

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032019\
 Data File : VN054503.D
 Acq On : 21 Mar 2019 10:19
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 3:51:42 PM

Quant Time: Mar 22 07:28:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	501525	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	860932	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	735907	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	325549	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	353062	56.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.20%	
35) Dibromofluoromethane	7.59	113	284482	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	
50) Toluene-d8	10.09	98	1037654	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
62) 4-Bromofluorobenzene	12.40	95	349891	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	246442	51.402	ug/l	100
3) Chloromethane	2.06	50	342318	52.477	ug/l	100
4) Vinyl Chloride	2.19	62	345471	52.749	ug/l	100
5) Bromomethane	2.57	94	191287	45.169	ug/l	98
6) Chloroethane	2.71	64	196077	49.914	ug/l	100
7) Trichlorofluoromethane	3.02	101	402383	50.591	ug/l	98
8) Diethyl Ether	3.41	74	155734	50.912	ug/l	74
9) 1,1,2-Trichlorotrifluoroet	3.75	101	215134	46.024	ug/l	94
10) Methyl Iodide	3.94	142	346872	50.447	ug/l	93
11) Tert butyl alcohol	4.82	59	103166	273.162	ug/l	98
12) 1,1-Dichloroethene	3.73	96	232808	48.127	ug/l #	81
13) Acrolein	3.61	56	131834	252.947	ug/l	95
14) Allyl chloride	4.32	41	469243	51.513	ug/l #	91
15) Acrylonitrile	5.00	53	539009	286.589	ug/l	99
16) Acetone	3.82	43	392264	209.151	ug/l #	86
17) Carbon Disulfide	4.04	76	634582	48.960	ug/l	98
18) Methyl Acetate	4.33	43	235850	56.419	ug/l	90
19) Methyl tert-butyl Ether	5.06	73	781321	55.344	ug/l	95
20) Methylene Chloride	4.54	84	288624	52.205	ug/l #	85
21) trans-1,2-Dichloroethene	5.04	96	269267	54.513	ug/l	86
22) Diisopropyl ether	5.96	45	1016131	56.554	ug/l #	94
23) Vinyl Acetate	5.90	43	3689268	290.724	ug/l #	94
24) 1,1-Dichloroethane	5.85	63	529999	54.784	ug/l	99
25) 2-Butanone	6.85	43	665530	277.013	ug/l	91
26) 2,2-Dichloropropane	6.83	77	228474	33.130	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	310382	52.681	ug/l	93
28) Bromochloromethane	7.20	49	268677	56.422	ug/l #	75
29) Tetrahydrofuran	7.22	42	461940	296.290	ug/l #	85
30) Chloroform	7.37	83	513512	54.390	ug/l	97
31) Cyclohexane	7.65	56	492809	53.284	ug/l	89
32) 1,1,1-Trichloroethane	7.57	97	427956	54.943	ug/l	95
36) 1,1-Dichloropropene	7.79	75	386880	48.061	ug/l	96
37) Ethyl Acetate	6.94	43	304244	53.140	ug/l	97
38) Carbon Tetrachloride	7.77	117	376758	48.163	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	418284	45.426	ug/l	90
40) Benzene	8.04	78	1148301	49.885	ug/l	100
41) Methacrylonitrile	7.18	41	172059	49.278	ug/l	91
42) 1,2-Dichloroethane	8.13	62	422062	50.348	ug/l	96
43) Isopropyl Acetate	8.17	43	533508	55.176	ug/l #	94
44) Trichloroethene	8.83	130	308575	48.217	ug/l	94
45) 1,2-Dichloropropane	9.12	63	323712	52.372	ug/l	99
46) Dibromomethane	9.21	93	189525	51.397	ug/l	89
47) Bromodichloromethane	9.40	83	394499	51.550	ug/l	98
48) Methyl methacrylate	9.20	41	275052	52.410	ug/l #	87
49) 1,4-Dioxane	9.20	88	56629	965.205	ug/l #	87
51) 4-Methyl-2-Pentanone	9.99	43	1469581	274.242	ug/l	95
52) Toluene	10.16	92	701832	49.573	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	357929	44.590	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	431854	49.216	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	261346	51.354	ug/l	97
56) Ethyl methacrylate	10.43	69	366622	53.673	ug/l #	83
57) 1,3-Dichloropropane	10.71	76	454132	51.334	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	739670	262.974	ug/l	90
59) 2-Hexanone	10.75	43	915435	261.535	ug/l	93
60) Dibromochloromethane	10.90	129	282366	52.142	ug/l	99
61) 1,2-Dibromoethane	11.01	107	261550	51.985	ug/l	100
64) Tetrachloroethene	10.63	164	300729	49.267	ug/l	96
65) Chlorobenzene	11.43	112	735557	49.144	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	281310	52.363	ug/l	98
67) Ethyl Benzene	11.51	91	1297442	49.073	ug/l	98
68) m/p-Xylenes	11.62	106	969913	96.851	ug/l	97
69) o-Xylene	11.95	106	474981	48.566	ug/l	97
70) Styrene	11.96	104	791261	49.820	ug/l	97
71) Bromoform	12.13	173	174651	47.281	ug/l #	99
73) Isopropylbenzene	12.25	105	1243776	47.412	ug/l	99
74) N-amyl acetate	12.07	43	422356	55.993	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	315182	52.632	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	264345m	51.170	ug/l	
77) Bromobenzene	12.53	156	312241	47.991	ug/l	88
78) n-propylbenzene	12.59	91	1352748	47.554	ug/l	97
79) 2-Chlorotoluene	12.67	91	829864	46.782	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	1027662	47.797	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	60682	41.097	ug/l #	82
82) 4-Chlorotoluene	12.77	91	820637	47.726	ug/l	97
83) tert-Butylbenzene	12.99	119	901177	48.152	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	1009035	47.829	ug/l	98
85) sec-Butylbenzene	13.17	105	1117529	47.901	ug/l	98
86) p-Isopropyltoluene	13.29	119	1001633	47.989	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	511282	47.420	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	495022	47.188	ug/l	98
89) n-Butylbenzene	13.61	91	796153	48.782	ug/l	98
90) Hexachloroethane	13.88	117	170681	52.681	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	507681	48.613	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	48862	55.629	ug/l	85

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	261596	50.249	ug/l	100
94) Hexachlorobutadiene	15.01	225	153767	52.704	ug/l	99
95) Naphthalene	15.13	128	615251	52.983	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	269498	52.012	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054503.D

Acq: 21 Mar 2019 10:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 501525

Ion Ratio Lower Upper

168 100

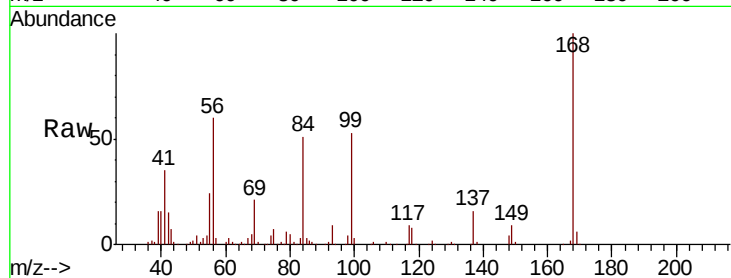
99 51.9 37.1 55.7

Manual Integrations

APPROVED

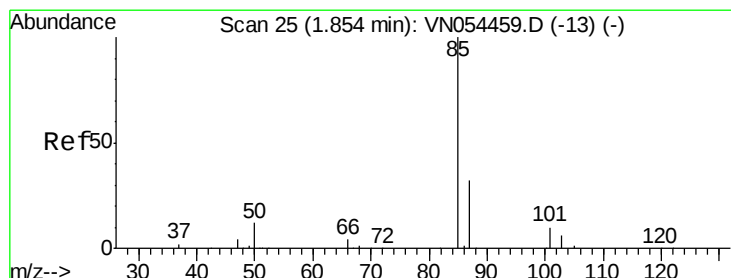
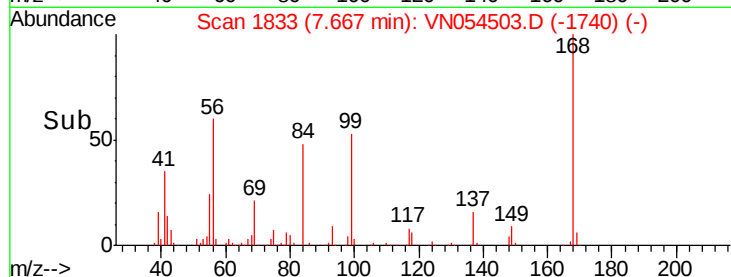
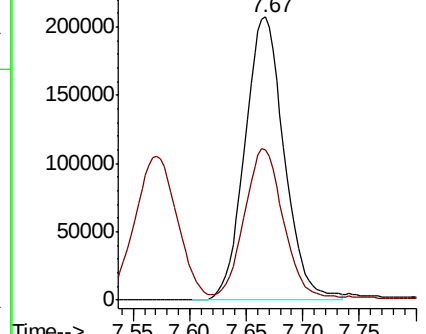
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 51.402 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054503.D

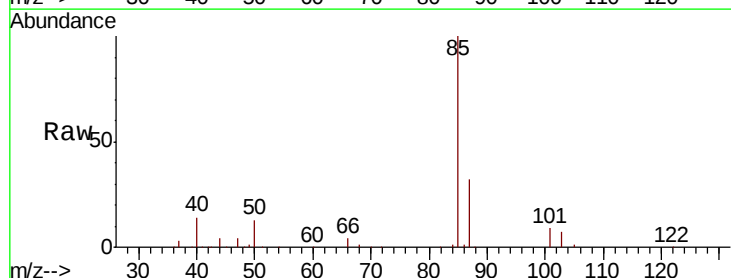
Acq: 21 Mar 2019 10:19

Tgt Ion: 85 Resp: 246442

Ion Ratio Lower Upper

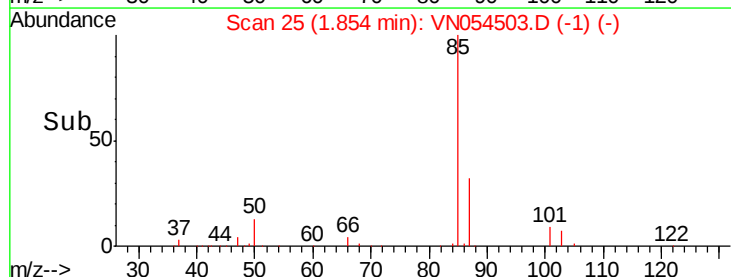
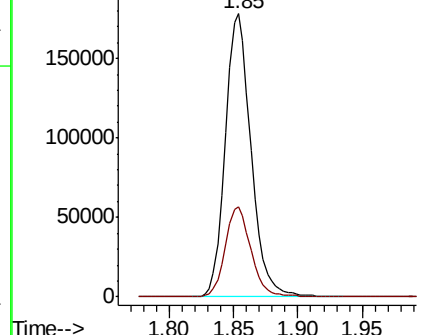
85 100

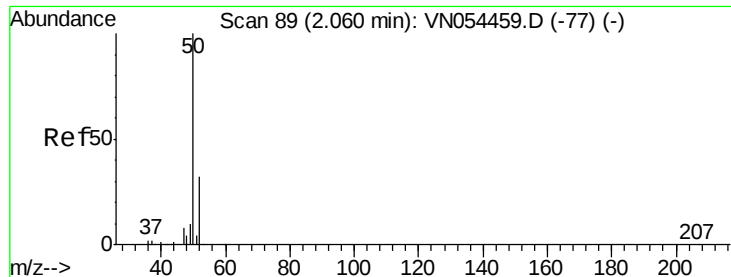
87 31.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 52.477 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054503.D

Acq: 21 Mar 2019 10:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 342318

Ion Ratio Lower Upper

50 100

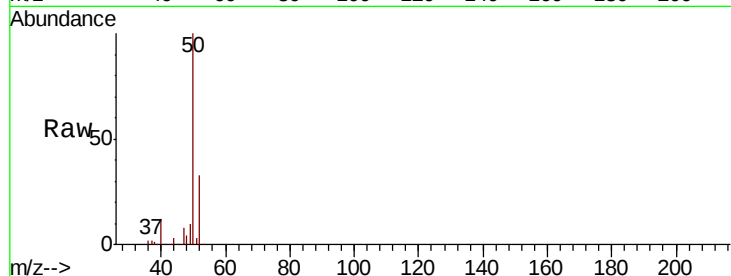
52 33.1 26.4 39.6

Manual Integrations

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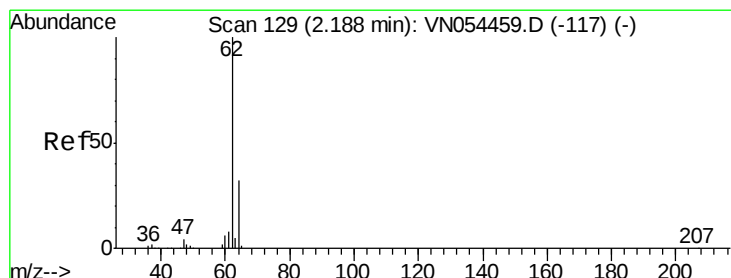
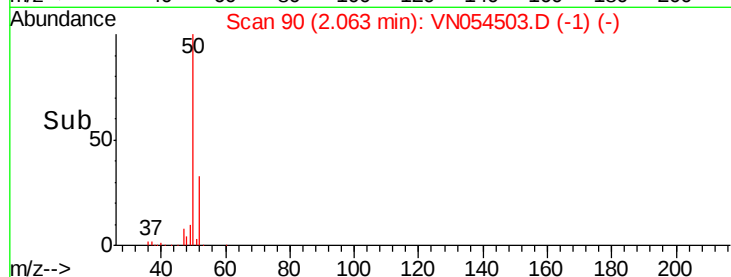
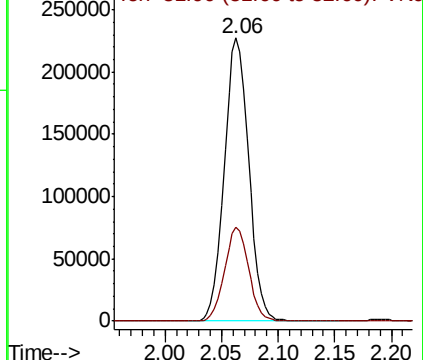
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 52.749 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054503.D

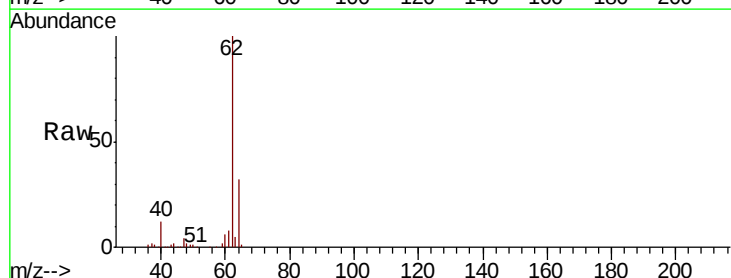
Acq: 21 Mar 2019 10:19

Tgt Ion: 62 Resp: 345471

Ion Ratio Lower Upper

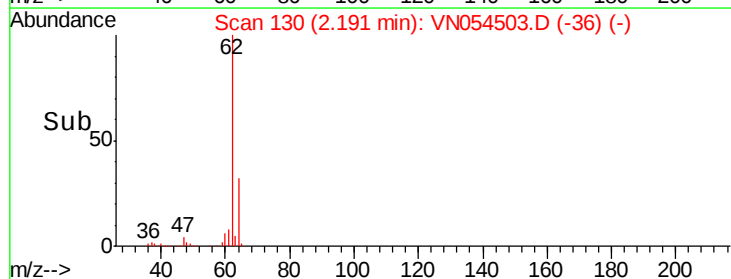
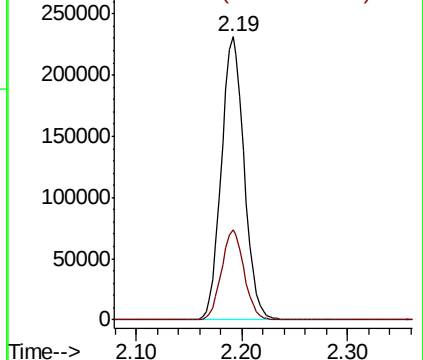
62 100

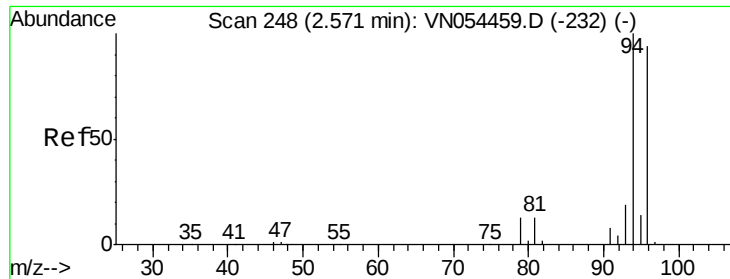
64 31.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 45.169 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054503.D

Acq: 21 Mar 2019 10:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 191287

Ion Ratio Lower Upper

94 100

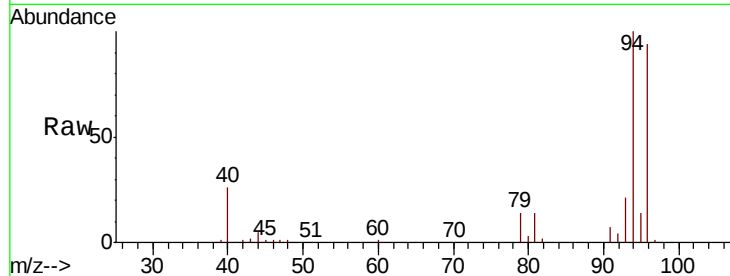
96 94.2 77.0 115.4

Manual Integrations

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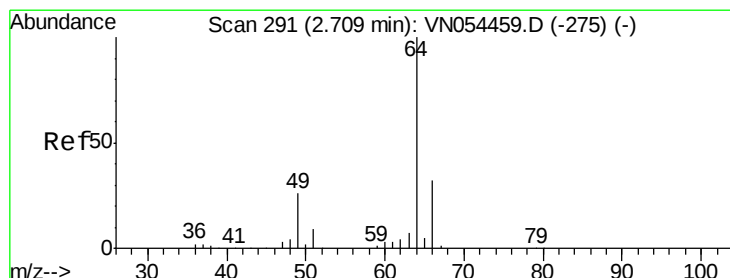
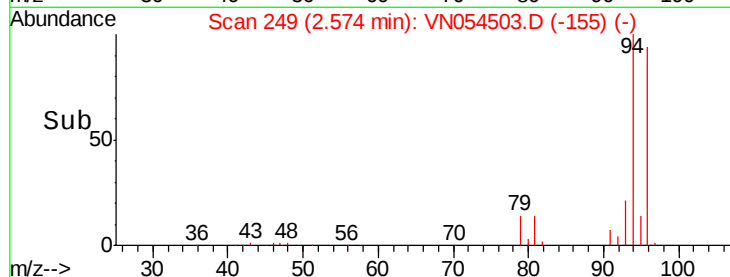
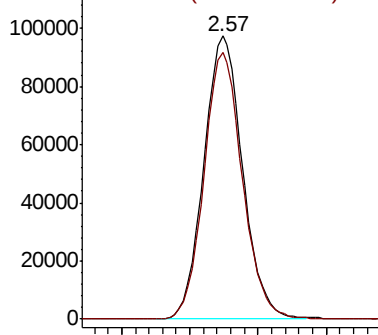
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 49.914 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054503.D

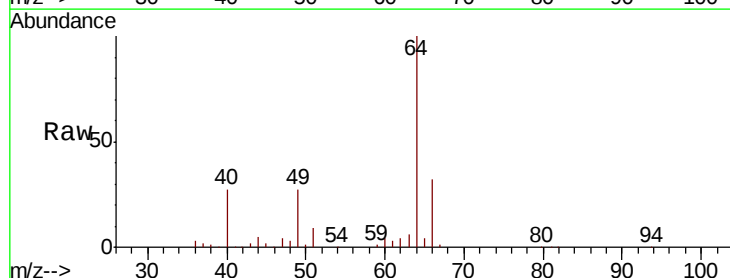
Acq: 21 Mar 2019 10:19

Tgt Ion: 64 Resp: 196077

Ion Ratio Lower Upper

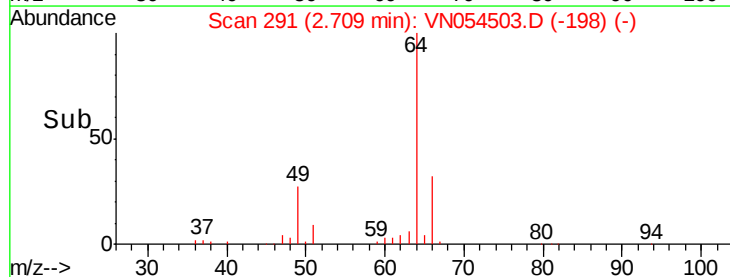
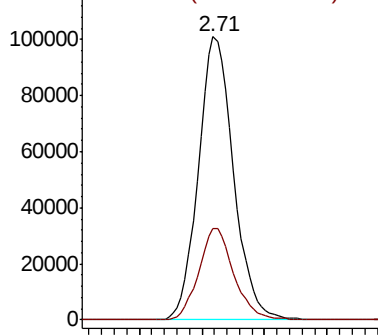
64 100

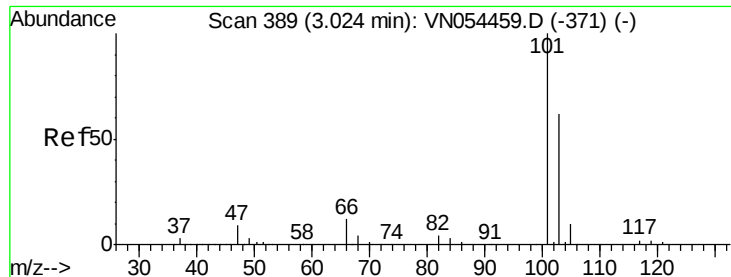
66 32.1 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

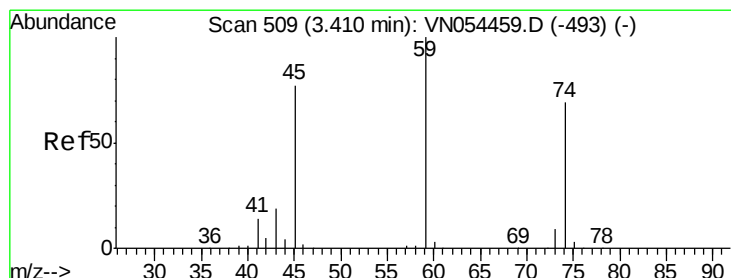
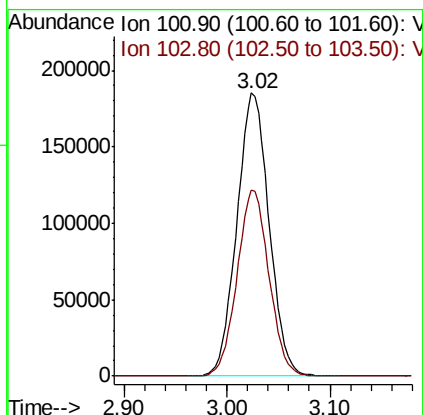
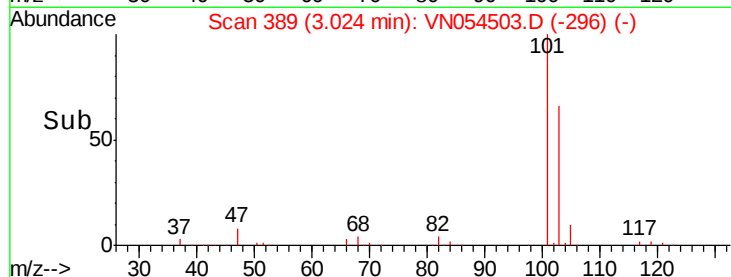
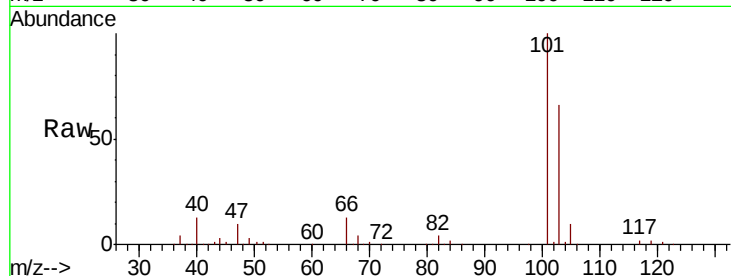
Trichlorofluoromethane
Concen: 50.591 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN054503.D
Acq: 21 Mar 2019 10:19

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VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	51.4	77.2

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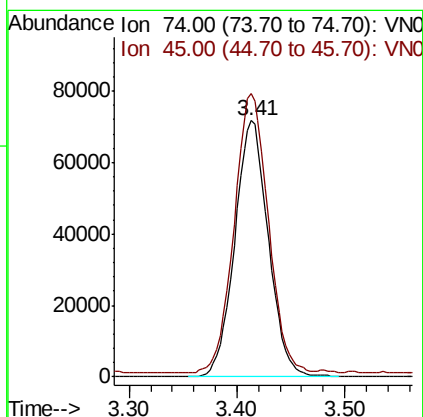
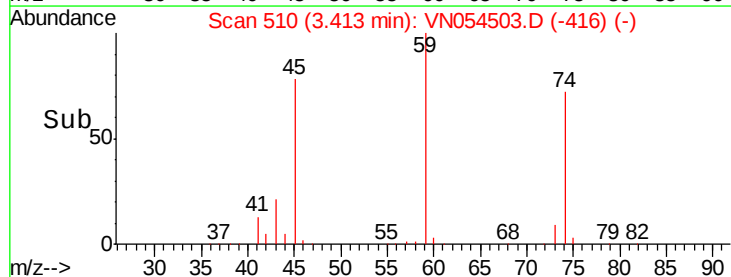
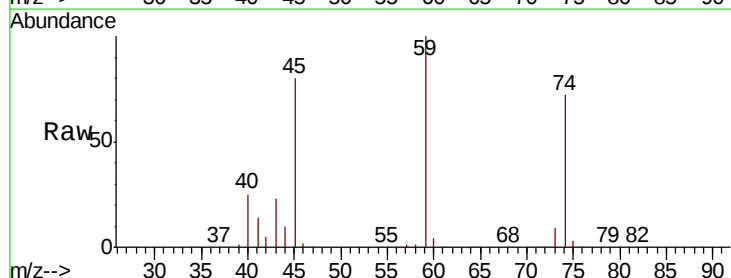
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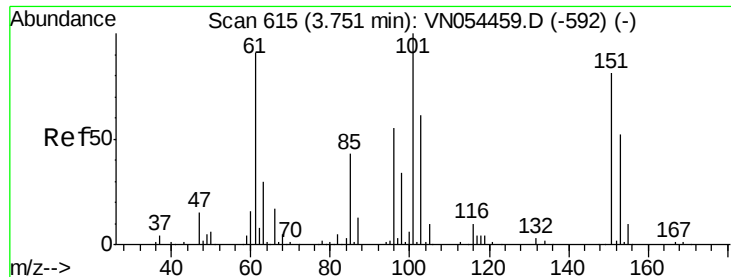


#8

Diethyl Ether
Concen: 50.912 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054503.D
Acq: 21 Mar 2019 10:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	110.5	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.024 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054503.D

Acq: 21 Mar 2019 10:19

Instrument :

MSVOA_N

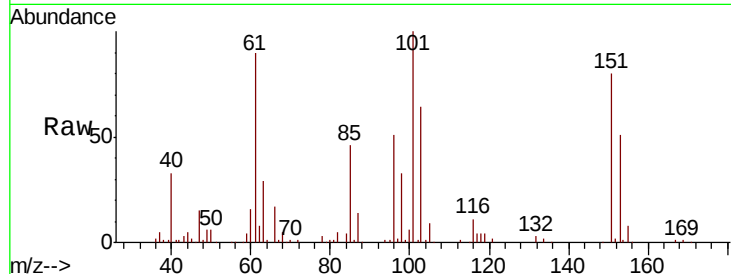
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VSTDCCC050EC

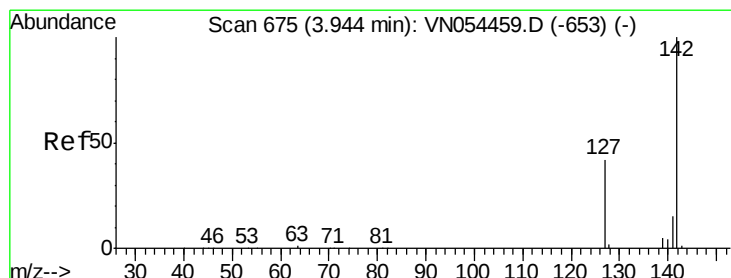
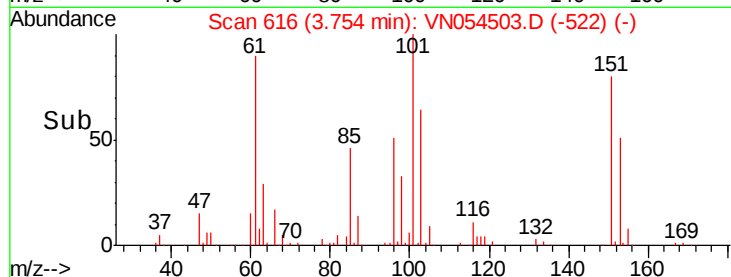
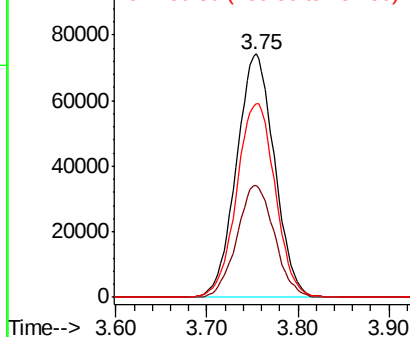
Tot Ion:	101	Resp:	215134
Ion Ratio	Lower	Upper	
101	100		
85	45.4	32.4	48.6
151	80.7	68.2	102.2

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.447 ug/l

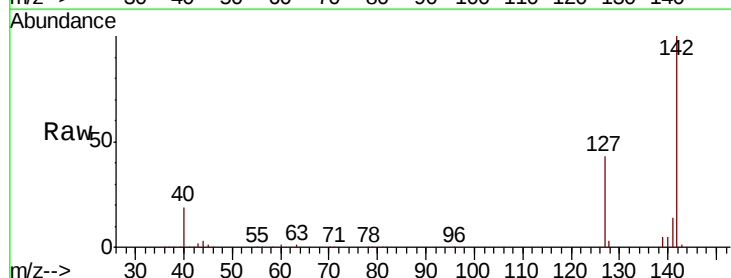
RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

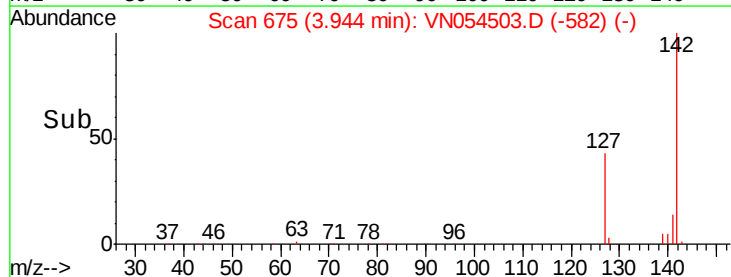
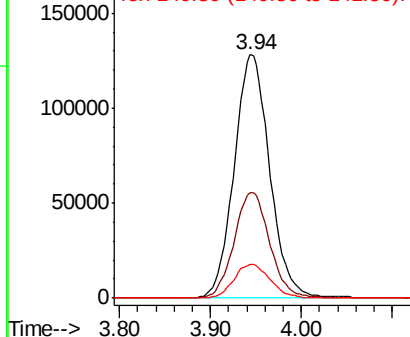
Lab File: VN054503.D

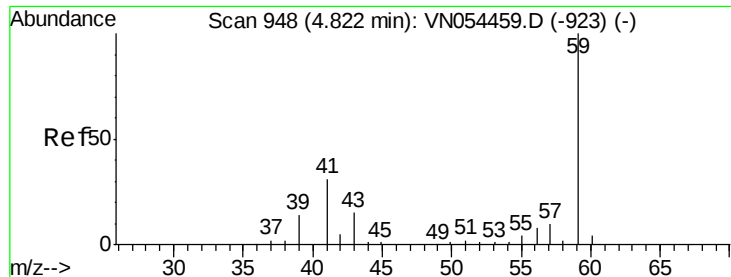
Acq: 21 Mar 2019 10:19

Tgt Ion:	142	Resp:	346872
Ion Ratio	Lower	Upper	
142	100		
127	43.6	30.3	45.5
141	14.2	11.2	16.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

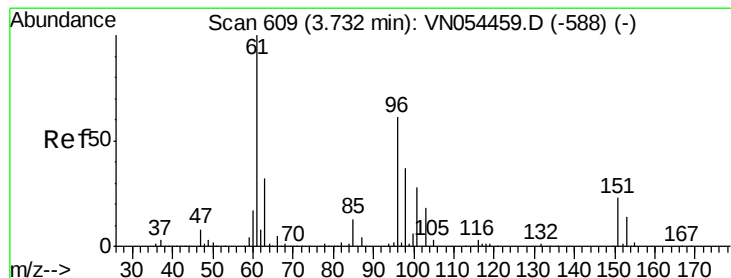
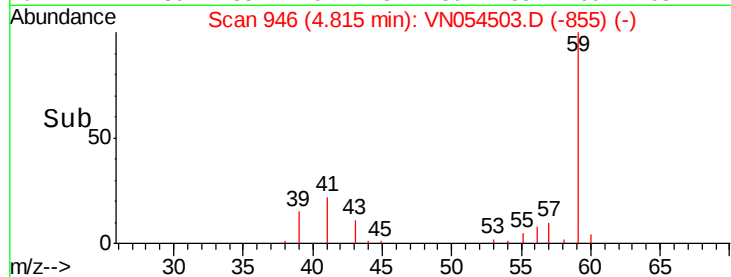
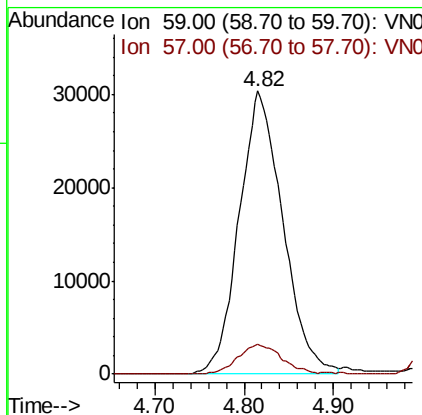
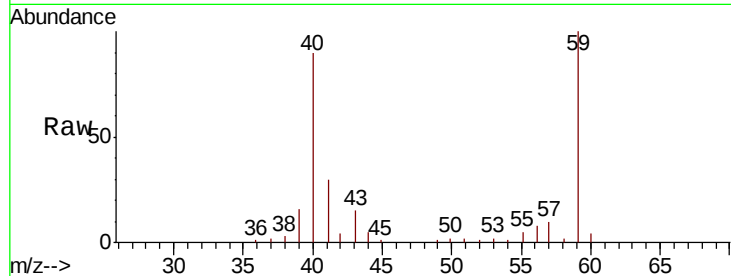
Tert butyl alcohol
 Concen: 273.162 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. -0.01 min
 Lab File: VN054503.D
 Acq: 21 Mar 2019 10:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	9.0	13.6

Manual Integrations
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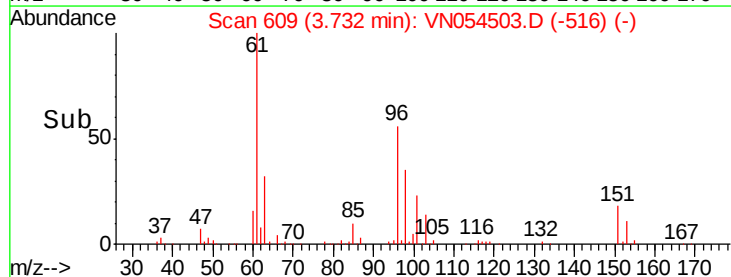
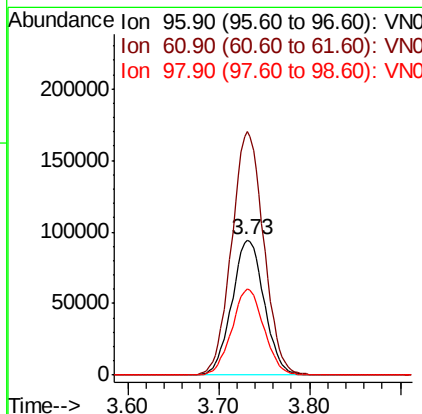
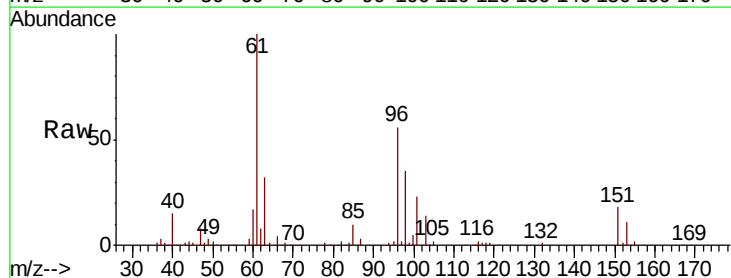
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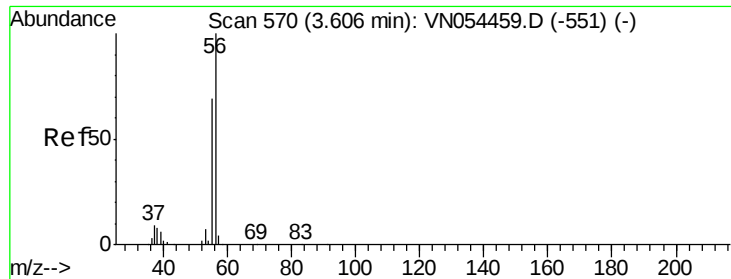


#12

1,1-Dichloroethene
 Concen: 48.127 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN054503.D
 Acq: 21 Mar 2019 10:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	179.9	116.5	174.7#
98	63.7	51.0	76.4





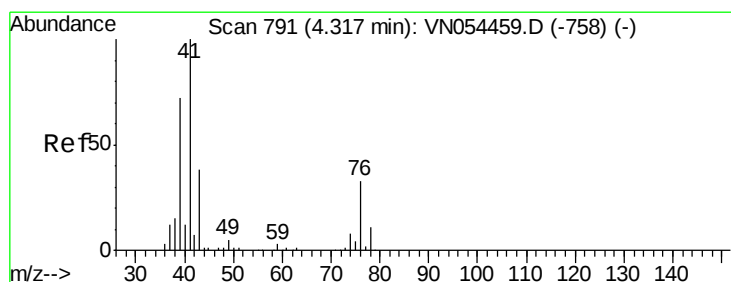
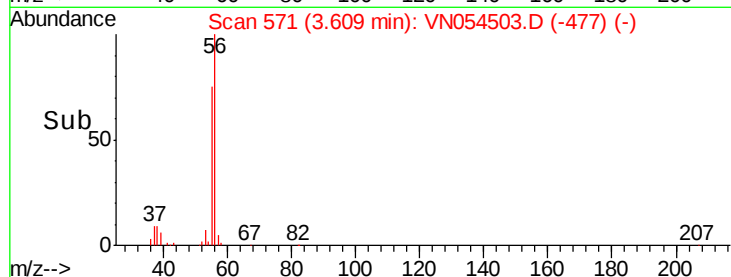
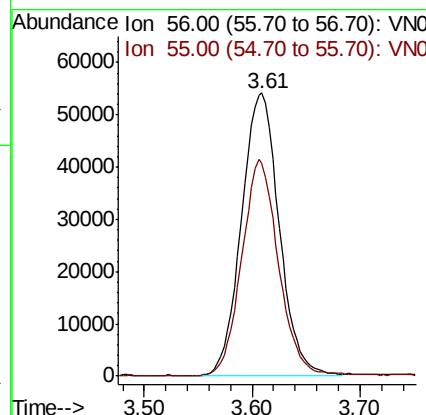
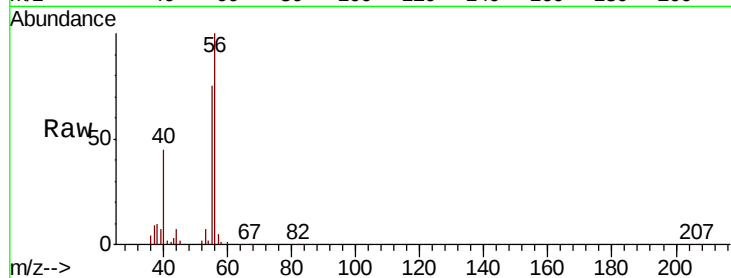
#13
Acrolein
Concen: 252.947 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN054503.D
Acq: 21 Mar 2019 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 131834
Ion Ratio Lower Upper
56 100
55 74.7 56.7 85.1

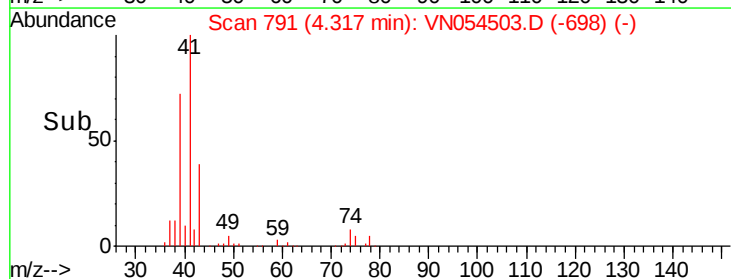
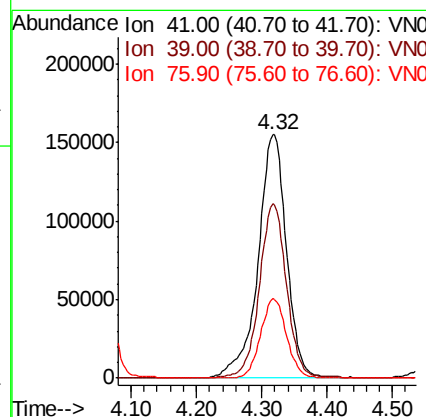
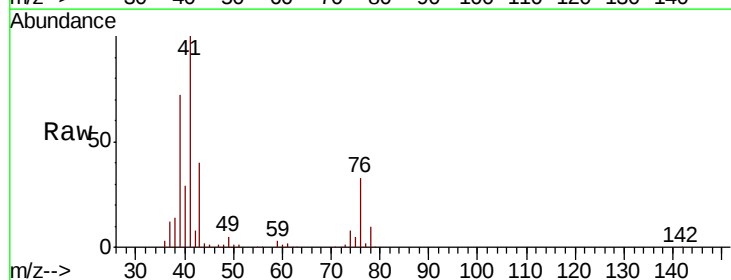
Manual Integrations
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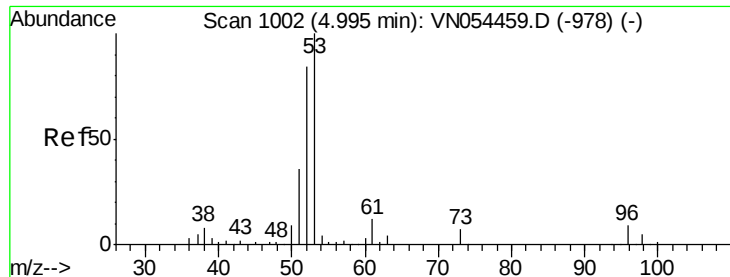
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#14
Allyl chloride
Concen: 51.513 ug/l
RT: 4.32 min Scan# 791
Delta R.T. -0.00 min
Lab File: VN054503.D
Acq: 21 Mar 2019 10:19

Tgt Ion: 41 Resp: 469243
Ion Ratio Lower Upper
41 100
39 67.9 58.2 87.4
76 29.9 31.7 47.5#





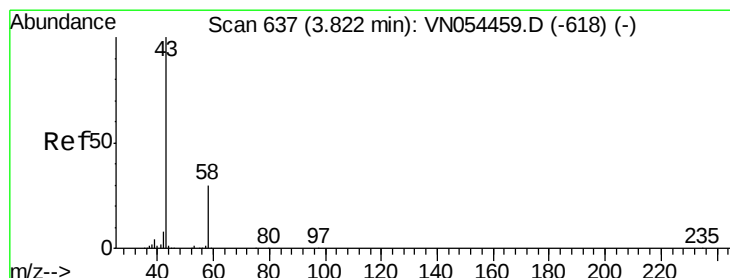
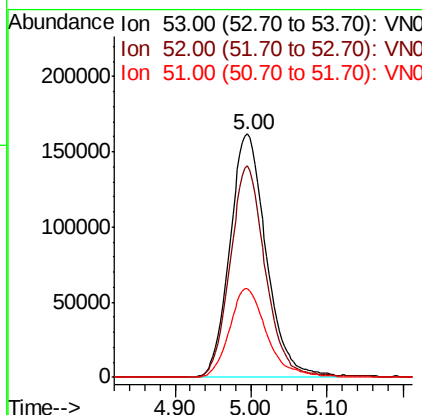
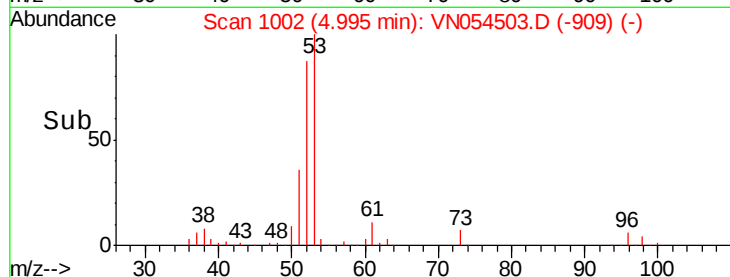
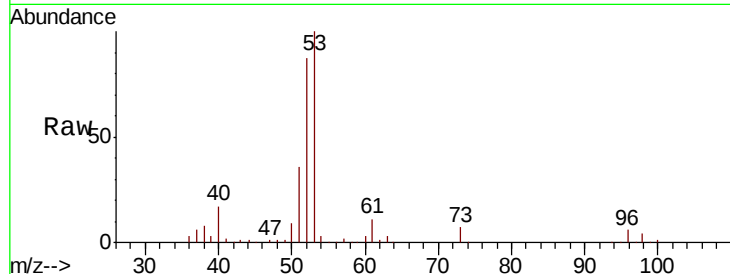
#15
 Acrylonitrile
 Concen: 286.589 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. -0.00 min
 Lab File: VN054503.D
 Acq: 21 Mar 2019 10:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	53	Resp:	539009
Ion	Ratio	Lower	Upper
53	100		
52	84.1	66.4	99.6
51	37.5	29.6	44.4

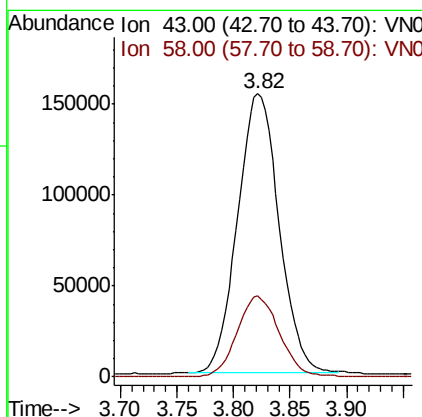
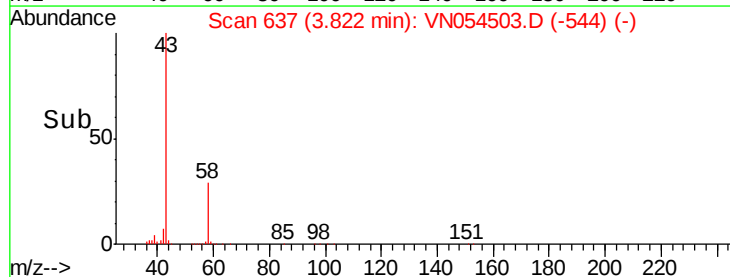
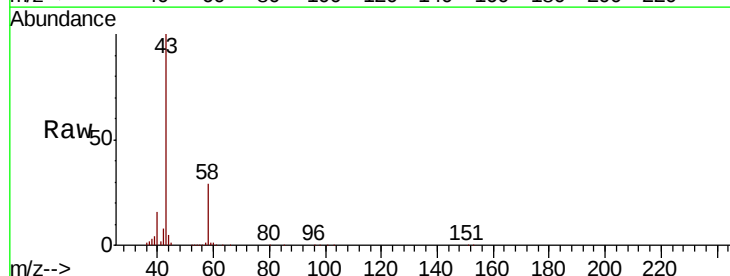
Manual Integrations
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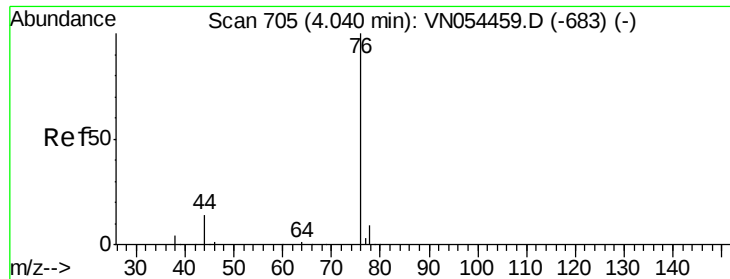
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#16
 Acetone
 Concen: 209.151 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. -0.00 min
 Lab File: VN054503.D
 Acq: 21 Mar 2019 10:19

Tgt Ion:	43	Resp:	392264
Ion	Ratio	Lower	Upper
43	100		
58	28.8	29.9	44.9#





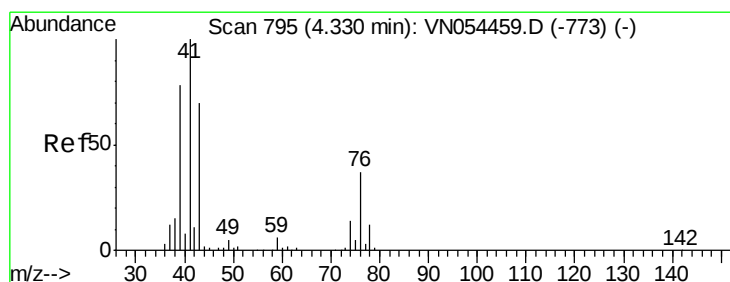
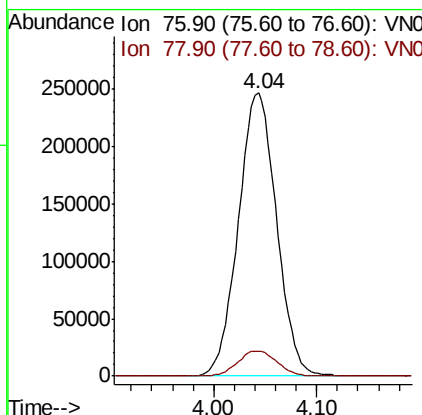
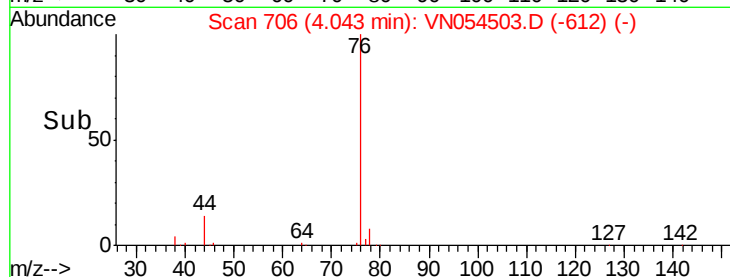
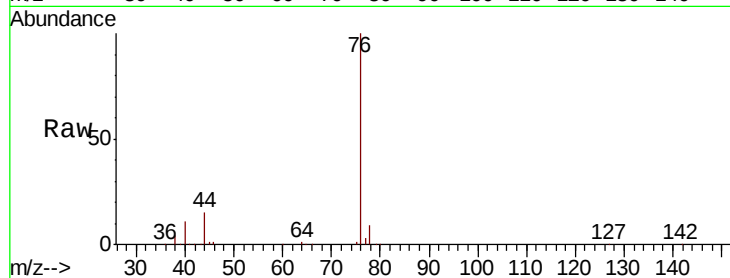
#17
Carbon Disulfide
Concen: 48.960 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN054503.D
Acq: 21 Mar 2019 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 634582
Ion Ratio Lower Upper
76 100
78 8.8 7.5 11.3

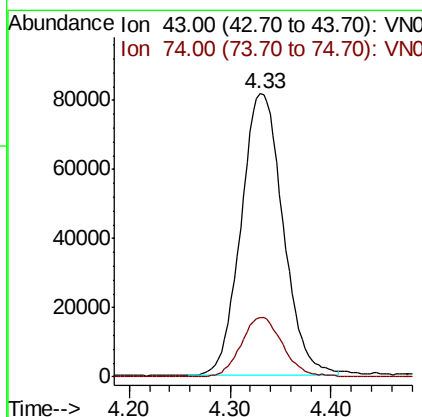
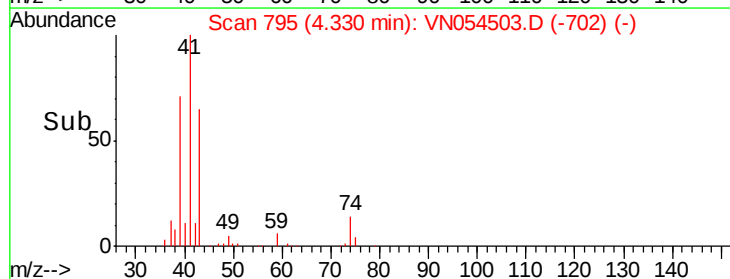
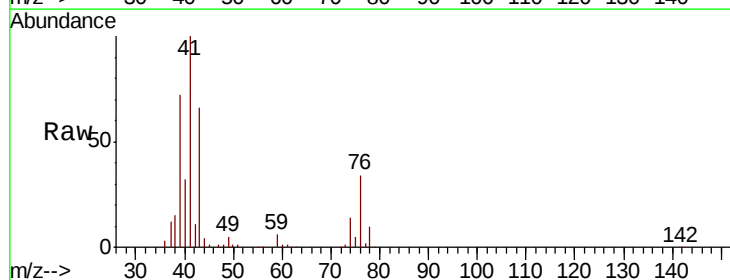
Manual Integrations
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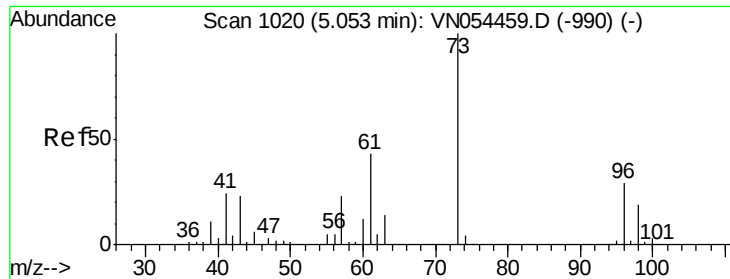
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#18
Methyl Acetate
Concen: 56.419 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN054503.D
Acq: 21 Mar 2019 10:19

Tgt Ion: 43 Resp: 235850
Ion Ratio Lower Upper
43 100
74 21.1 20.8 31.2





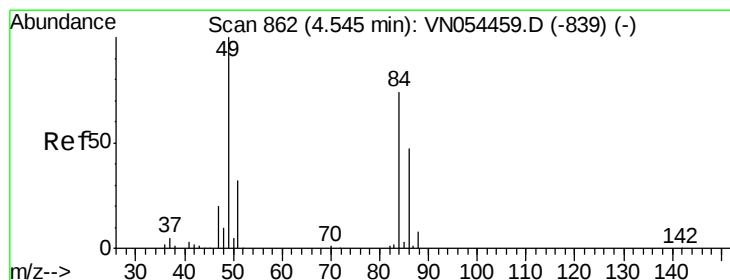
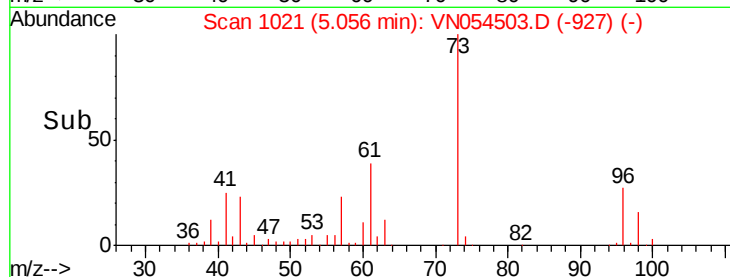
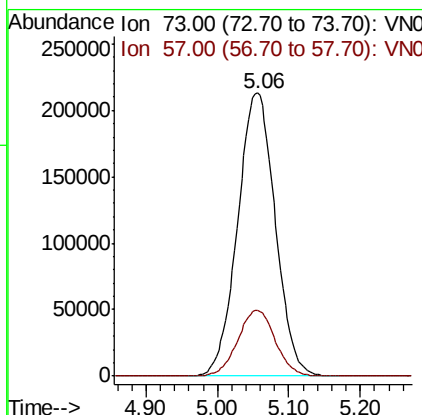
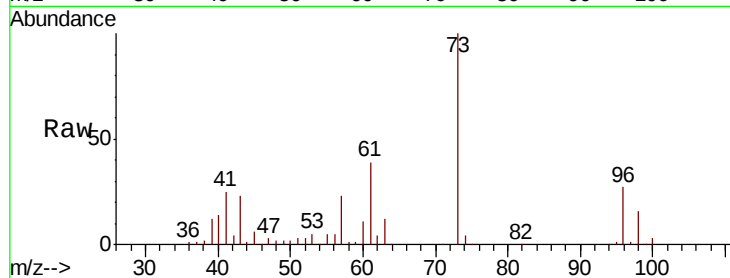
#19
Methvl tert-butvl Ether
Concen: 55.344 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054503.D
Acq: 21 Mar 2019 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 781321
Ion Ratio Lower Upper
73 100
57 23.2 16.8 25.2

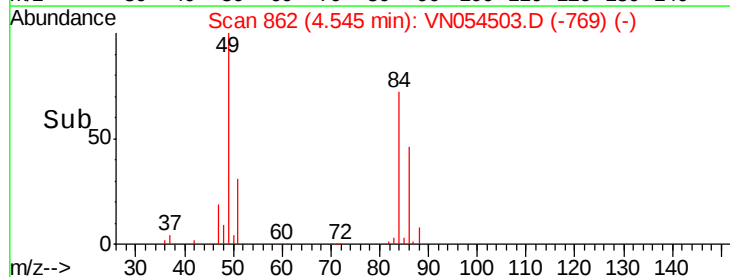
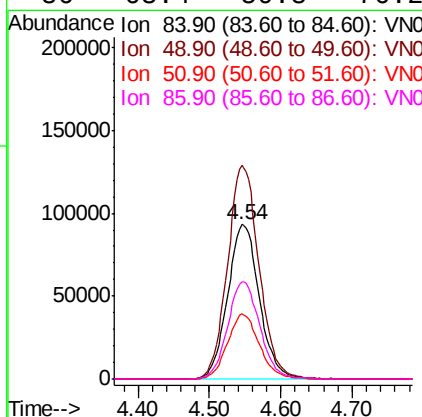
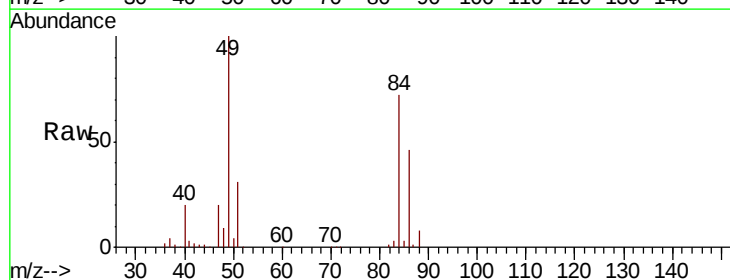
Manual Integrations
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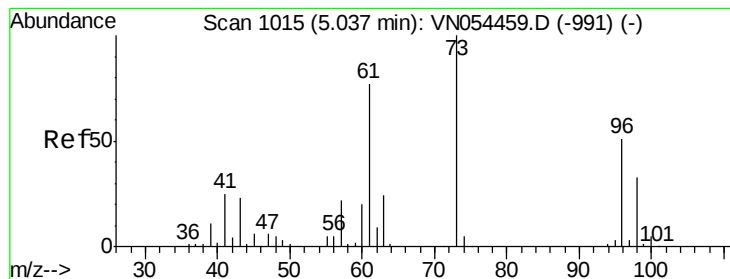
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#20
Methylene Chloride
Concen: 52.205 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054503.D
Acq: 21 Mar 2019 10:19

Tgt Ion: 84 Resp: 288624
Ion Ratio Lower Upper
84 100
49 138.4 89.7 134.5#
51 42.3 28.2 42.4
86 63.4 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 54.513 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VN054503.D

Acq: 21 Mar 2019 10:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 269267

Ion Ratio Lower Upper

96 100

61 152.0 102.8 154.2

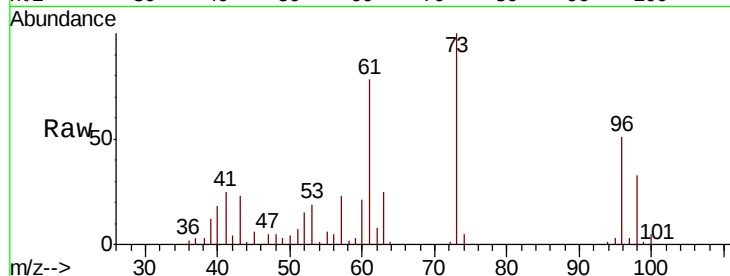
98 63.2 50.0 75.0

Manual Integrations

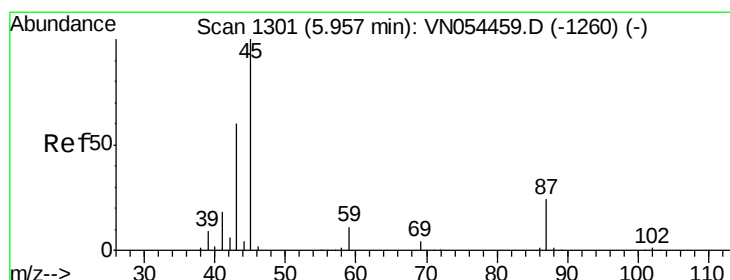
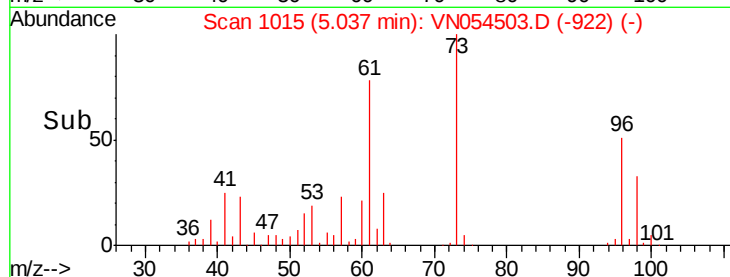
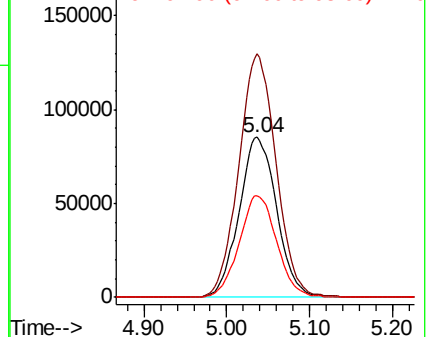
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Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 56.554 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054503.D

Acq: 21 Mar 2019 10:19

Tgt Ion: 45 Resp: 1016131

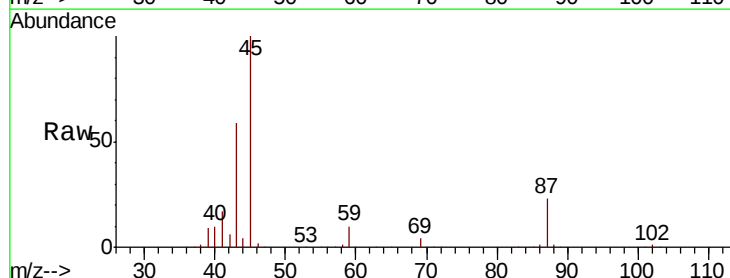
Ion Ratio Lower Upper

45 100

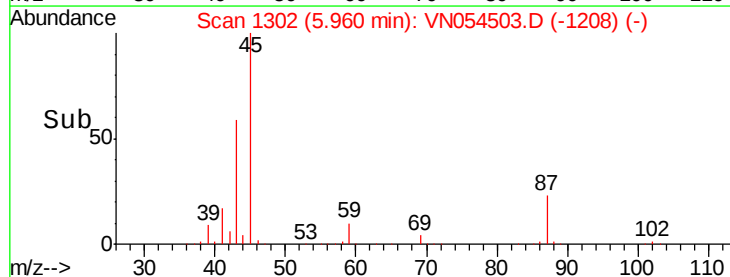
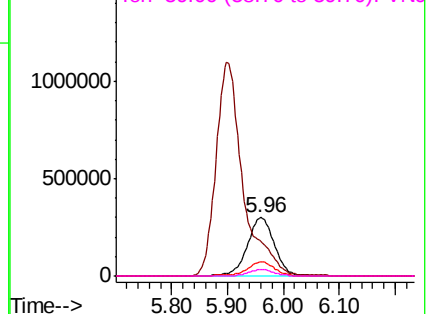
43 58.6 48.2 72.2

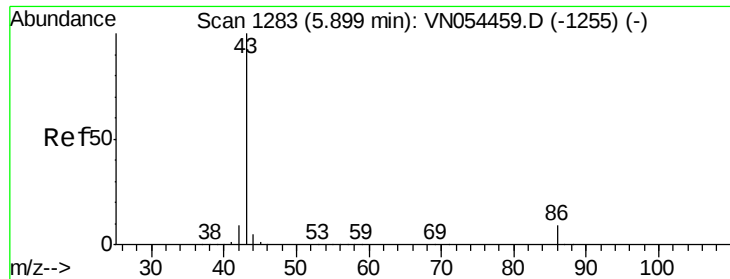
87 23.3 24.9 37.3#

59 10.4 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 290.724 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054503.D

Acq: 21 Mar 2019 10:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3689268

Ion Ratio Lower Upper

43 100

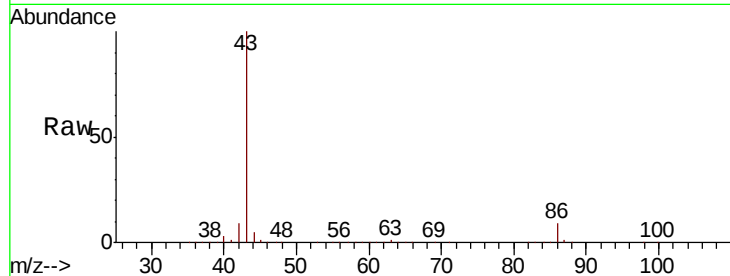
86 8.9 9.1 13.7#

Manual Integrations

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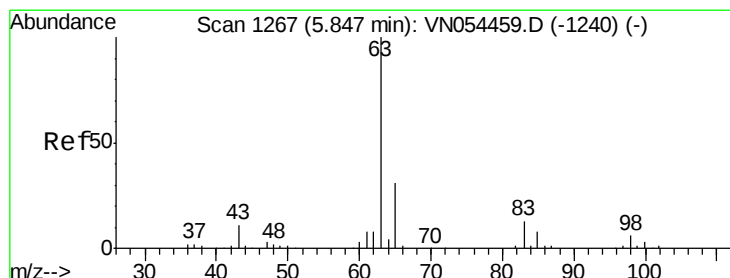
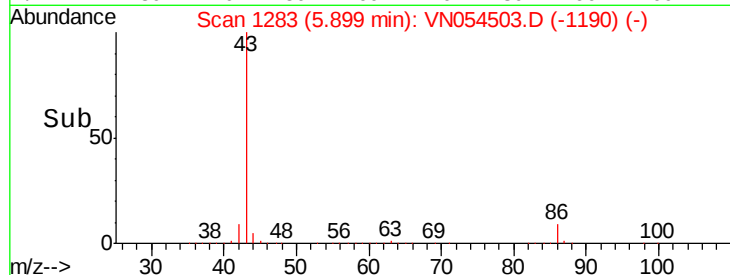
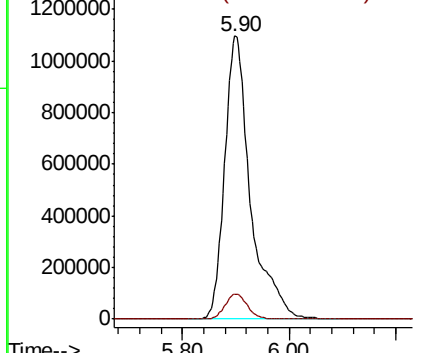
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 54.784 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN054503.D

Acq: 21 Mar 2019 10:19

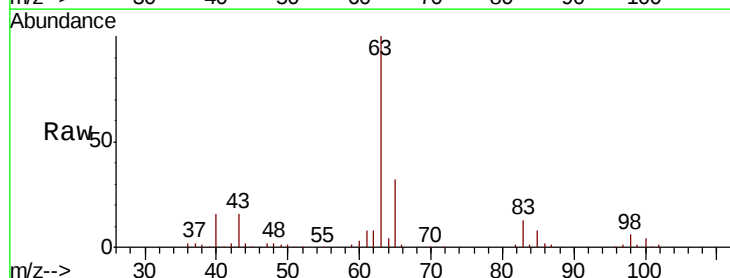
Tgt Ion: 63 Resp: 529999

Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.5

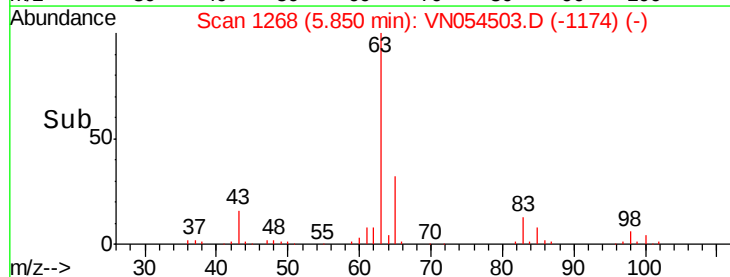
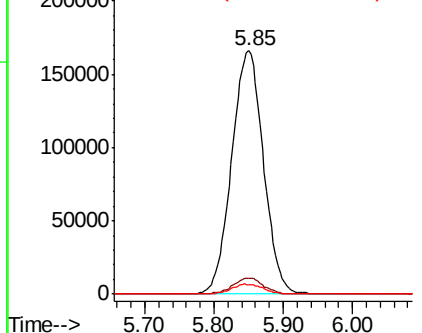
100 3.8 2.0 6.0

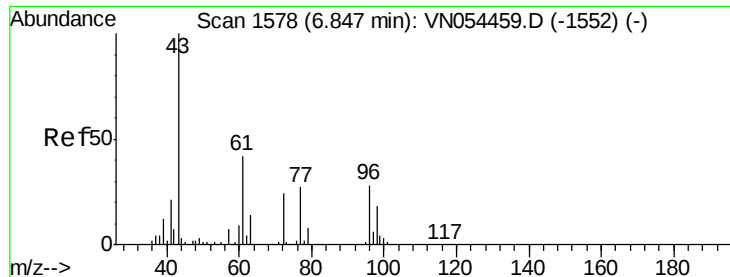


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 277.013 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN054503.D

Acq: 21 Mar 2019 10:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 665530

Ion Ratio Lower Upper

43 100

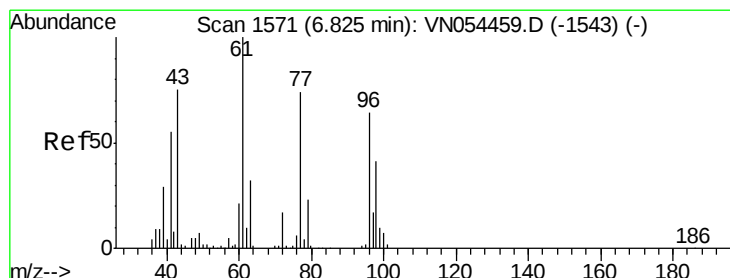
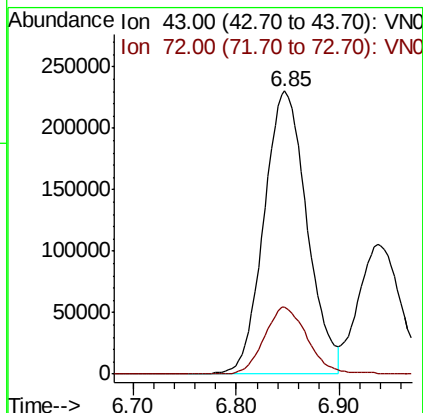
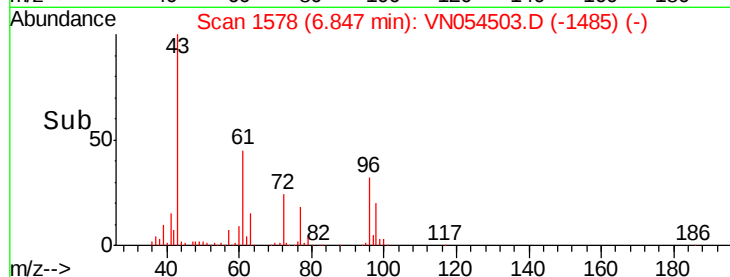
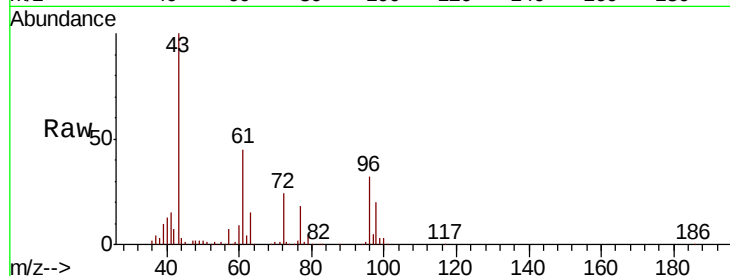
72 23.8 23.0 34.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 33.130 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054503.D

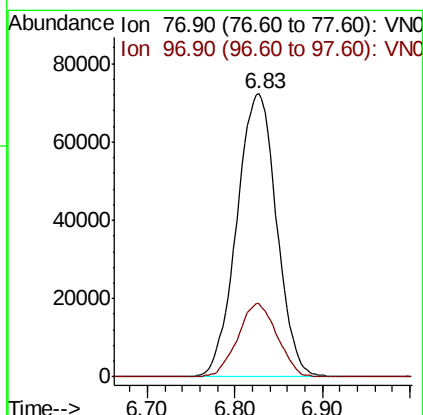
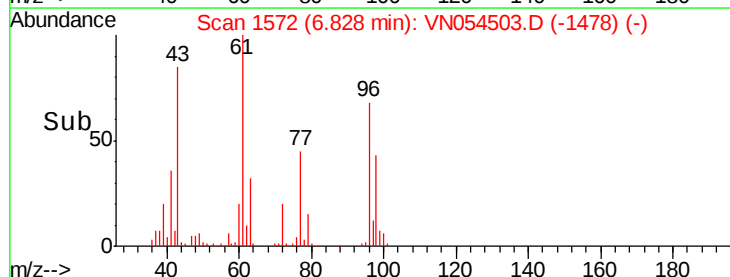
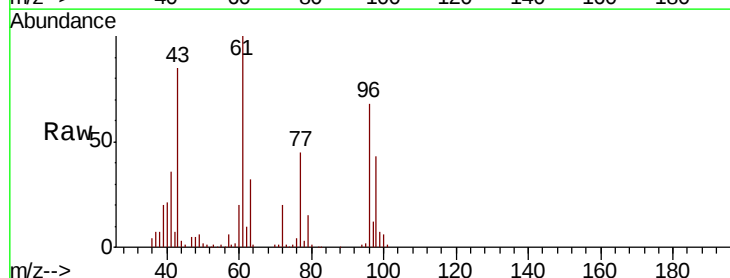
Acq: 21 Mar 2019 10:19

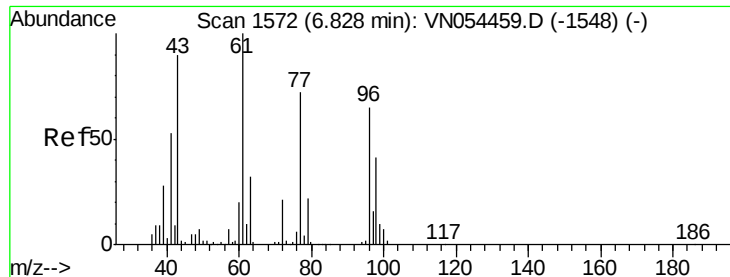
Tgt Ion: 77 Resp: 228474

Ion Ratio Lower Upper

77 100

97 25.6 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 52.681 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054503.D

Acq: 21 Mar 2019 10:19

Instrument :

MSVOA_N

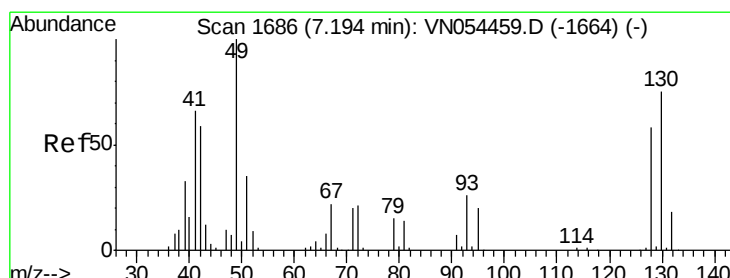
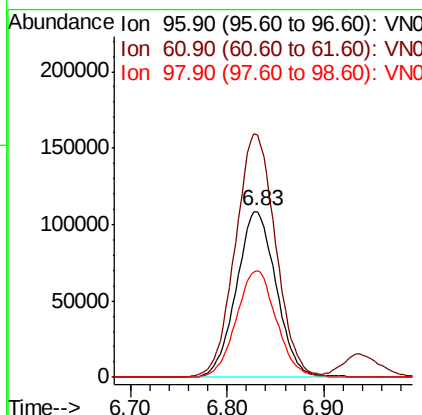
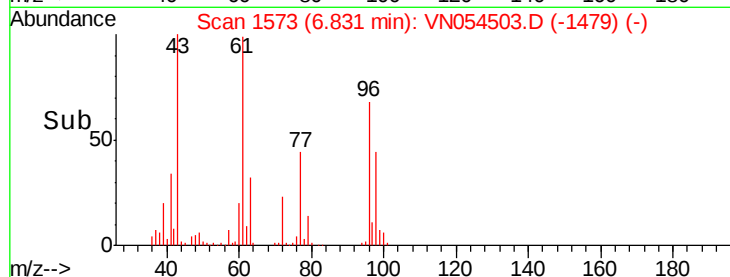
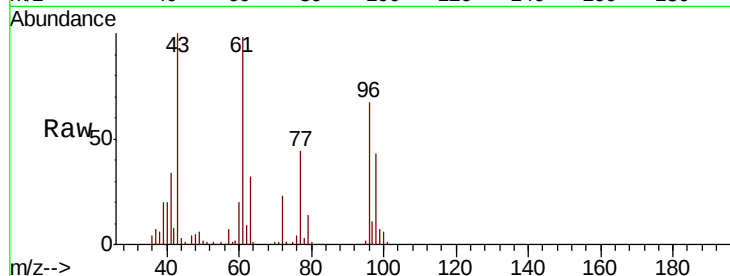
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	310382
Ion Ratio	Lower	Upper	
96	100		
61	148.8	0.0	273.0
98	64.8	0.0	130.6

Manual Integrations
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#28

Bromochloromethane

Concen: 56.422 ug/l

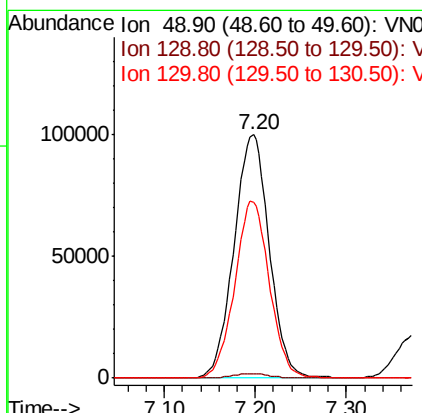
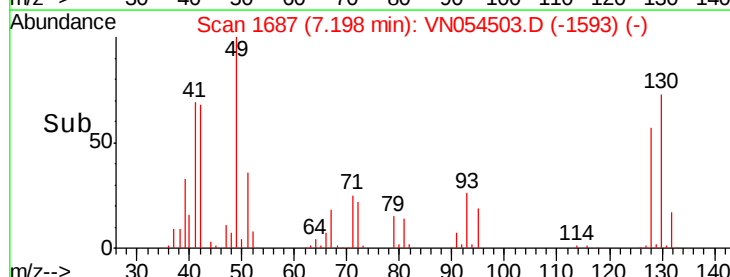
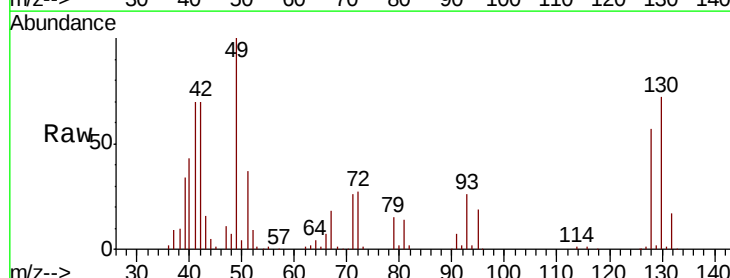
RT: 7.20 min Scan# 1687

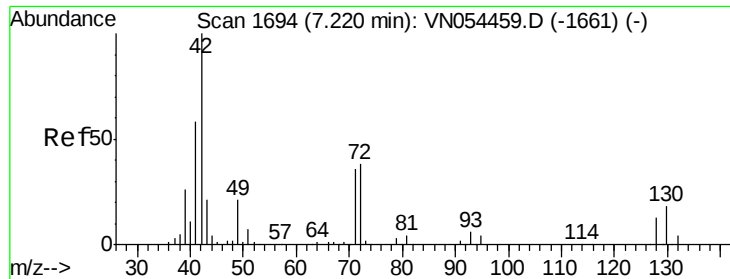
Delta R.T. 0.00 min

Lab File: VN054503.D

Acq: 21 Mar 2019 10:19

Tgt Ion:	49	Resp:	268677
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	4.6
130	71.4	76.7	115.1#





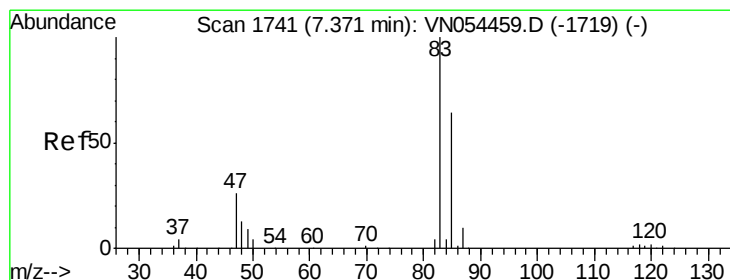
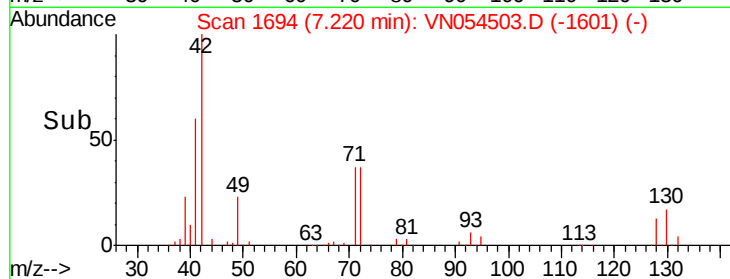
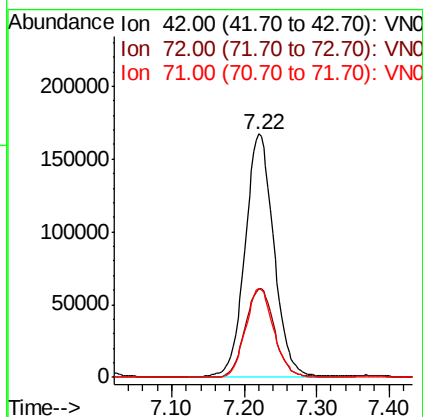
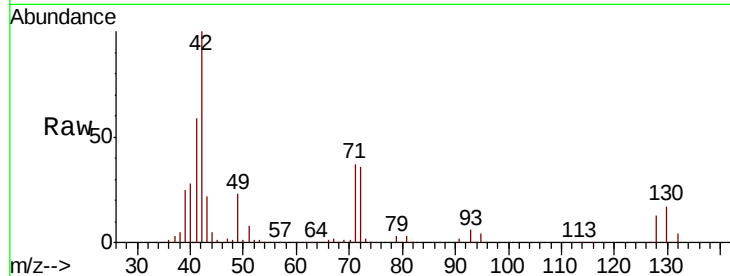
#29
Tetrahydrofuran
Concen: 296.290 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054503.D
Acq: 21 Mar 2019 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.3	37.8	56.6#
71	35.8	36.2	54.2#

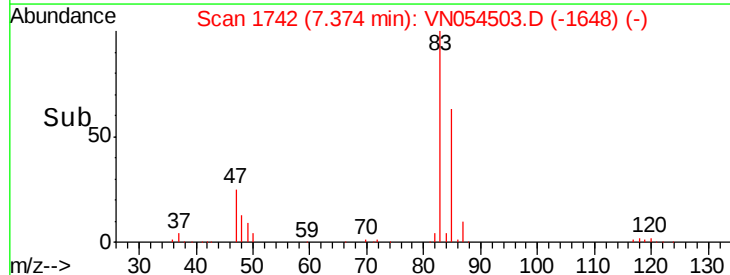
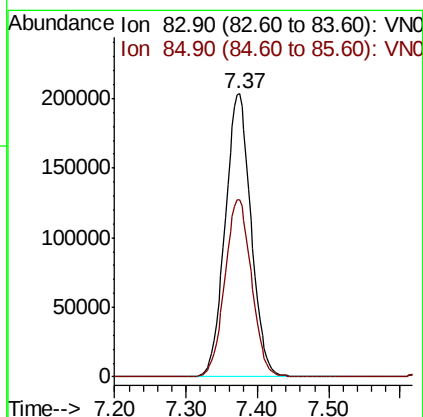
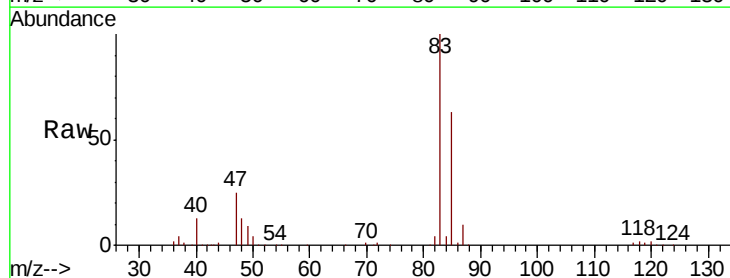
Manual Integrations
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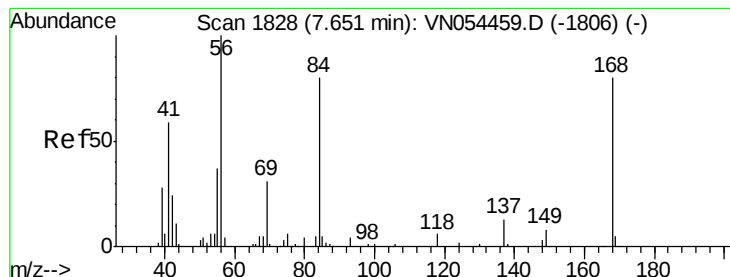
MMDadoda
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#30
Chloroform
Concen: 54.390 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054503.D
Acq: 21 Mar 2019 10:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	52.2	78.4





#31

Cyclohexane

Concen: 53.284 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN054503.D

Acq: 21 Mar 2019 10:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 492809

Ion Ratio Lower Upper

56 100

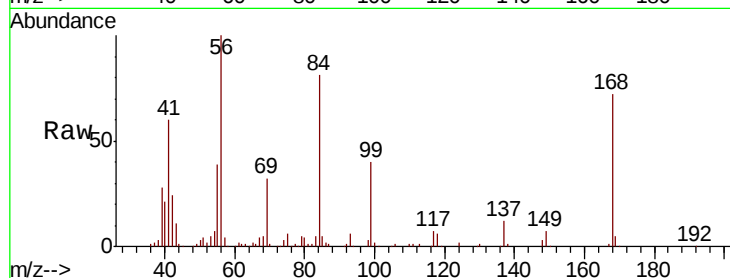
69 31.9 27.8 41.6

84 79.8 74.6 111.8

Manual Integrations
APPROVED

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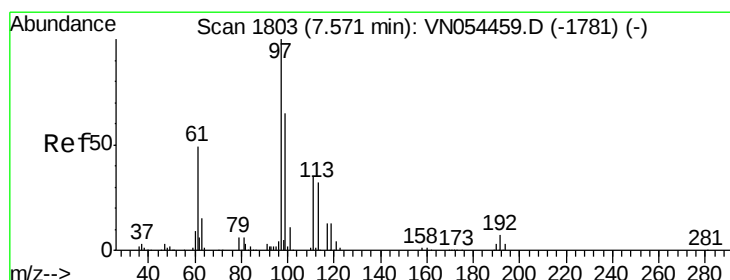
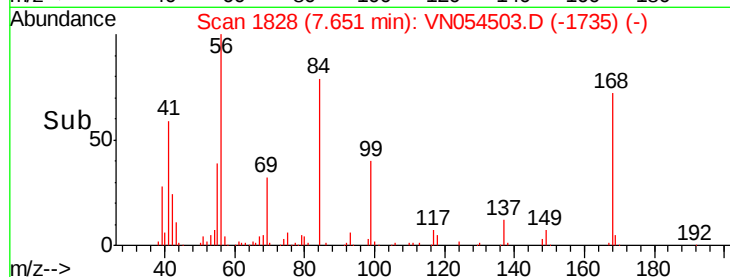
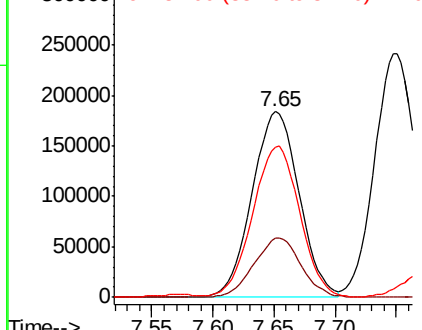
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Abundance Ion 56.00 (55.70 to 56.70): VN054459.D (-1806) (-)

Ion 69.00 (68.70 to 69.70): VN054459.D (-1806) (-)

Ion 84.00 (83.70 to 84.70): VN054459.D (-1806) (-)



#32

1,1,1-Trichloroethane

Concen: 54.943 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN054503.D

Acq: 21 Mar 2019 10:19

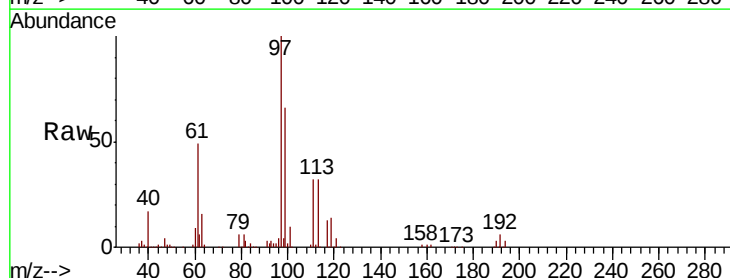
Tgt Ion: 97 Resp: 427956

Ion Ratio Lower Upper

97 100

99 65.0 51.5 77.3

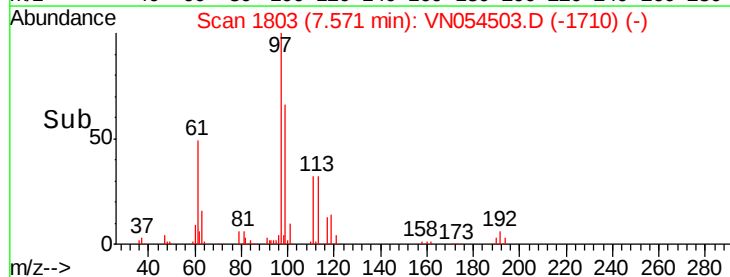
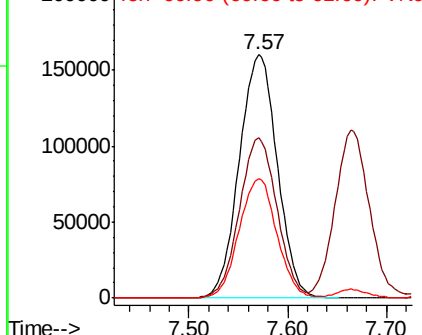
61 48.9 33.6 50.4

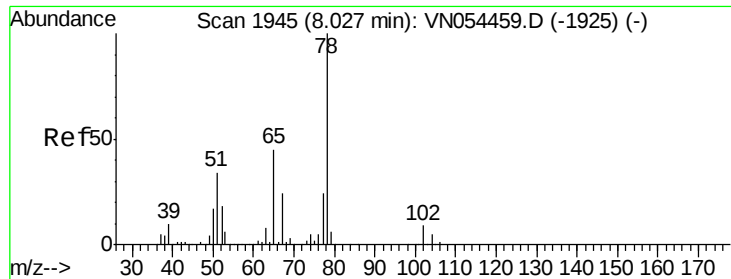


Abundance Ion 96.90 (96.60 to 97.60): VN054459.D (-1781) (-)

Ion 98.90 (98.60 to 99.60): VN054459.D (-1781) (-)

Ion 60.90 (60.60 to 61.60): VN054459.D (-1781) (-)





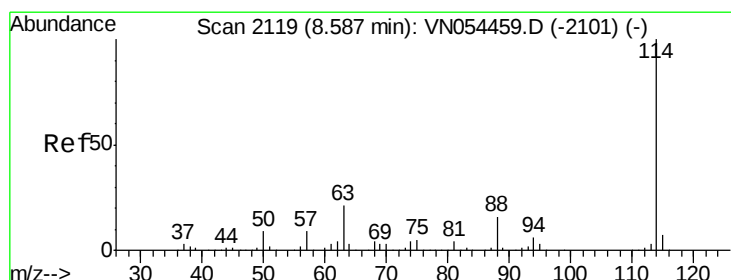
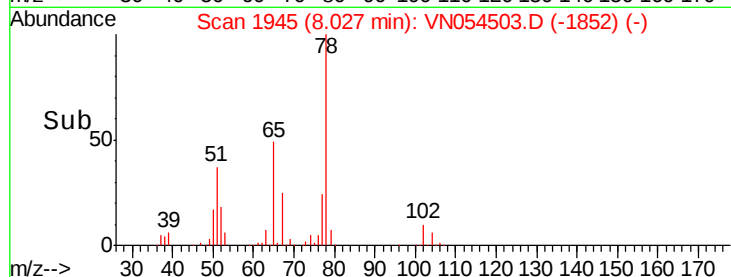
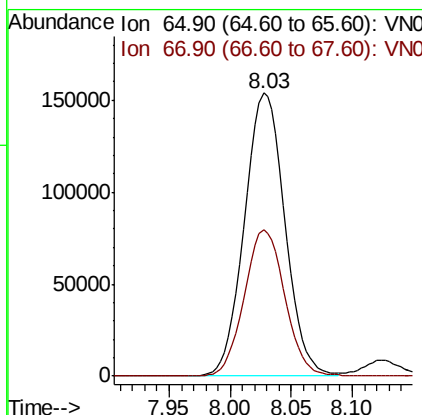
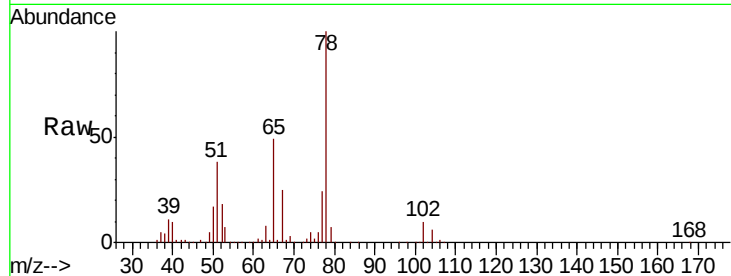
#33
 1,2-Dichloroethane-d4
 Concen: 56.597 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054503.D
 Acq: 21 Mar 2019 10:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	104.6

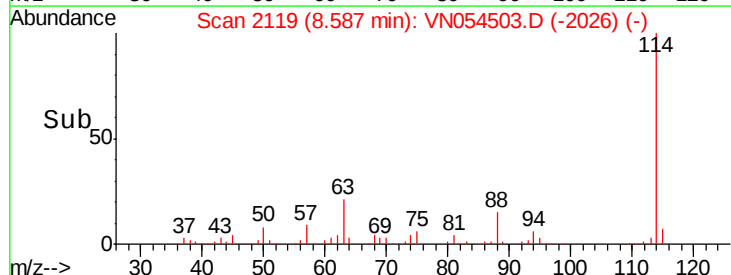
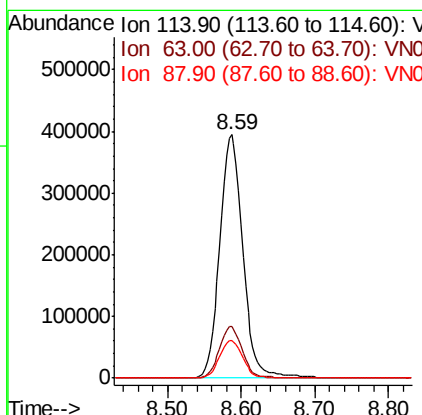
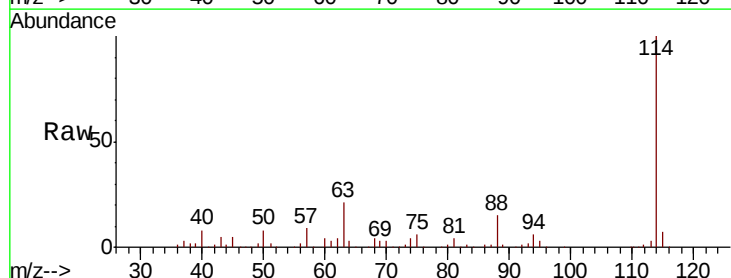
Manual Integrations
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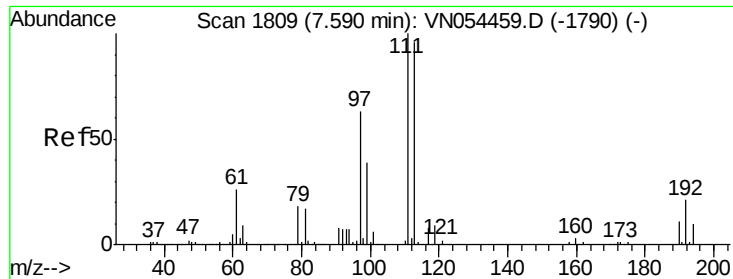
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054503.D
 Acq: 21 Mar 2019 10:19

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	35.2
88	15.5	0.0	30.2





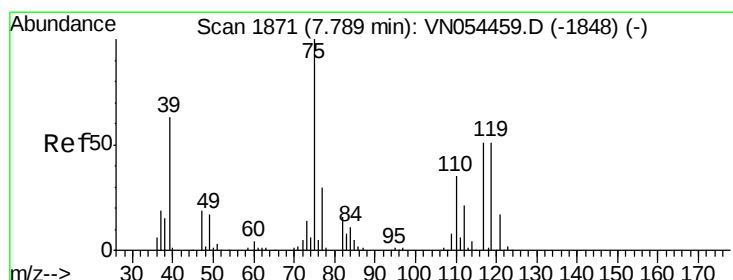
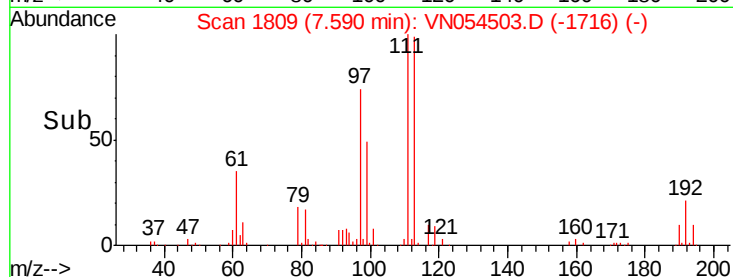
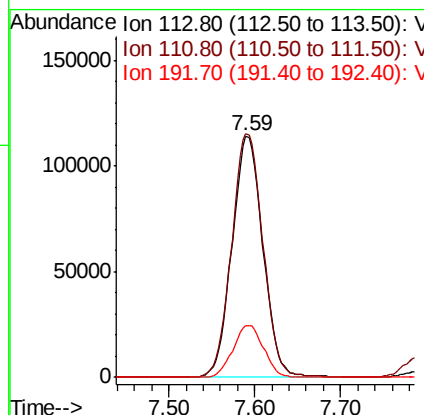
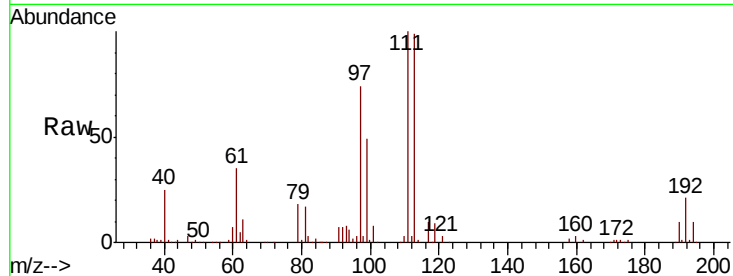
#35
 Dibromofluoromethane
 Concen: 51.290 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054503.D
 Acq: 21 Mar 2019 10:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	284482		
111	102.4	82.2	123.4	
192	21.3	19.2	28.8	

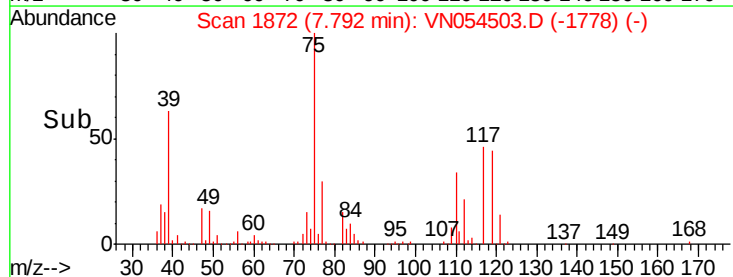
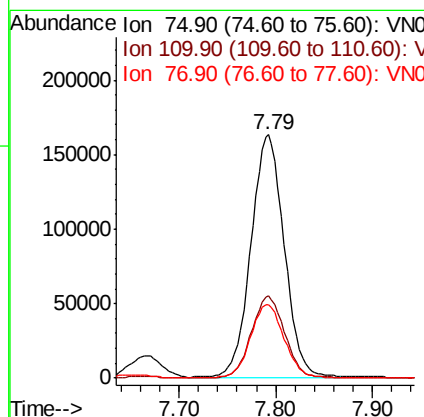
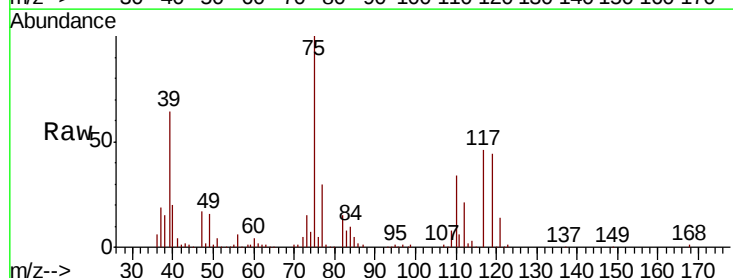
Manual Integrations
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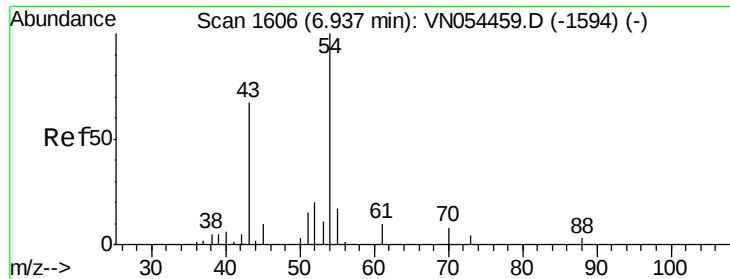
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 48.061 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054503.D
 Acq: 21 Mar 2019 10:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	386880		
110	34.3	19.1	57.5	
77	31.1	25.0	37.4	





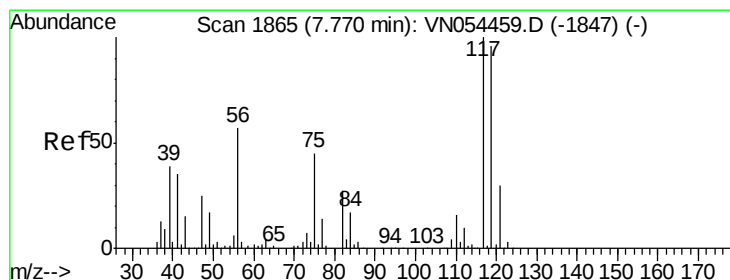
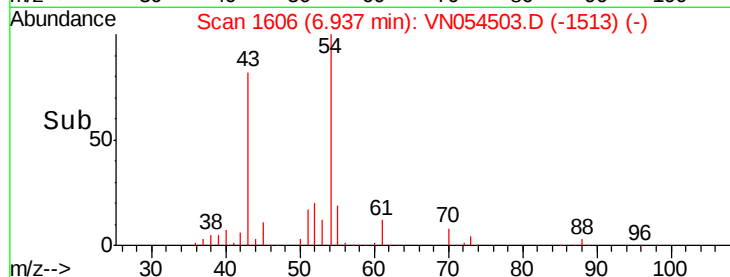
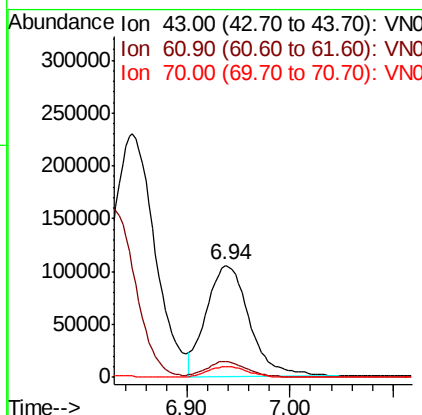
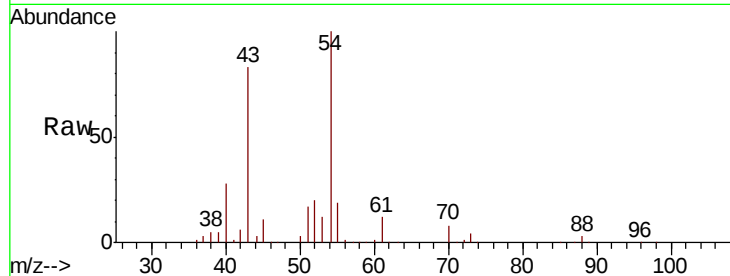
#37
Ethyl Acetate
Concen: 53.140 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054503.D
Acq: 21 Mar 2019 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.8	17.6
70	9.1	8.4	12.6

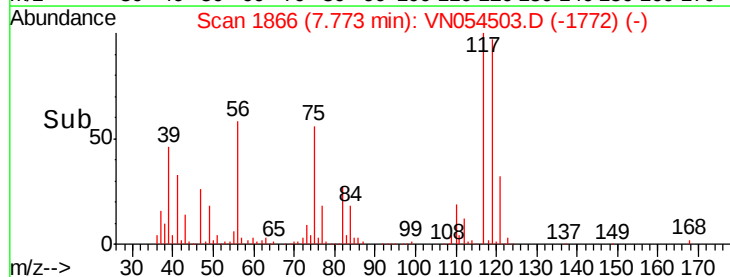
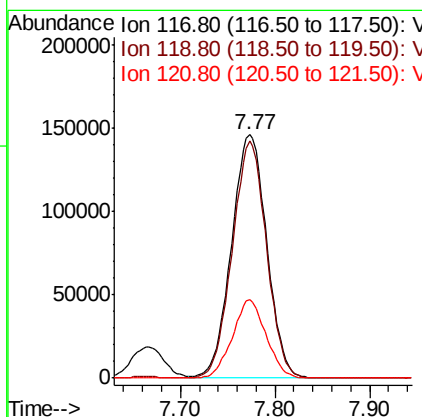
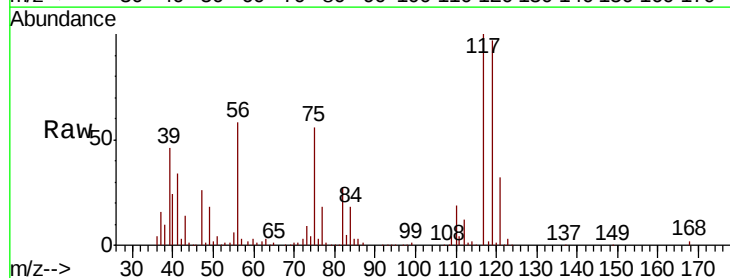
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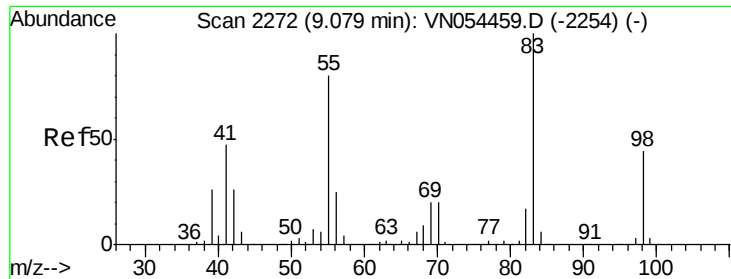
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#38
Carbon Tetrachloride
Concen: 48.163 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054503.D
Acq: 21 Mar 2019 10:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	76.3	114.5
121	32.5	24.6	36.8





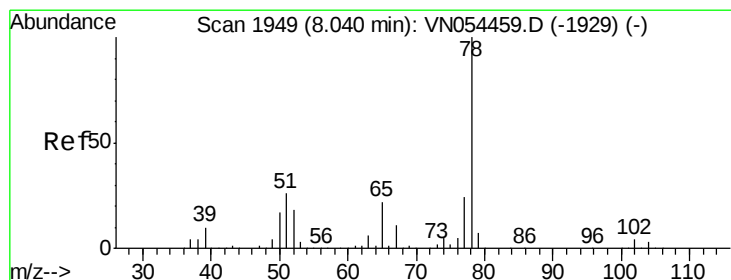
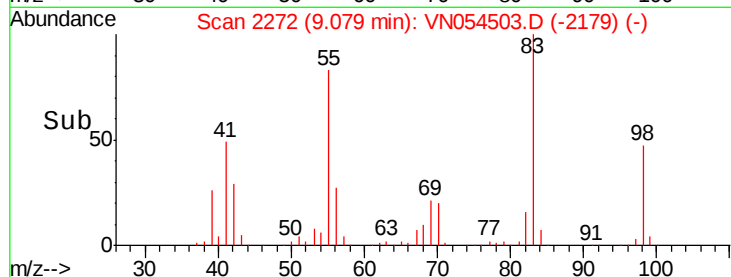
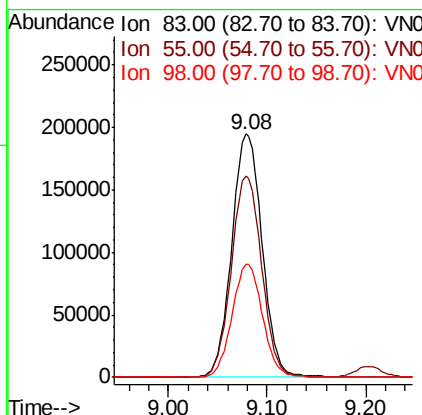
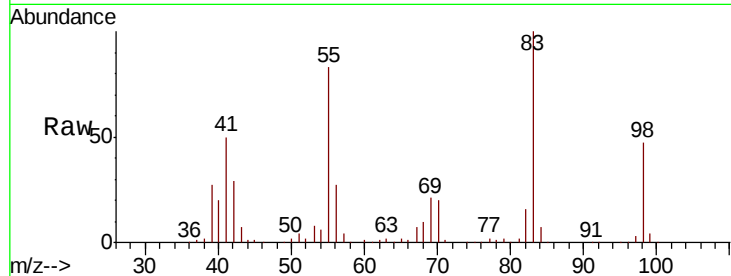
#39
Methvlcvclohexane
Concen: 45.426 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054503.D
Acq: 21 Mar 2019 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.9	56.6	84.8
98	46.5	38.4	57.6

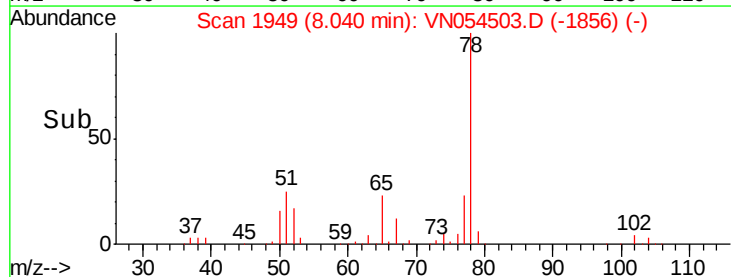
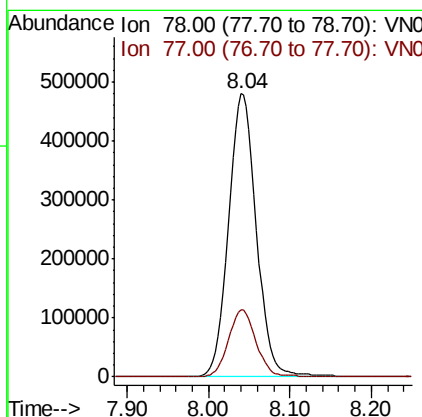
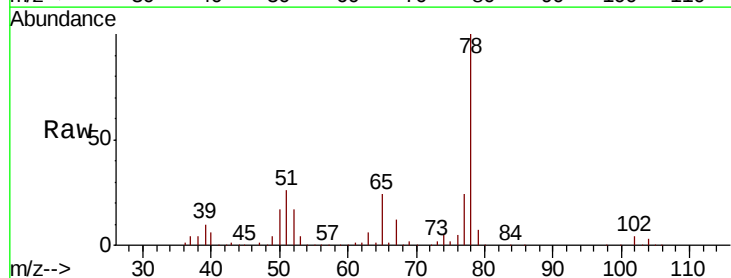
Manual Integrations
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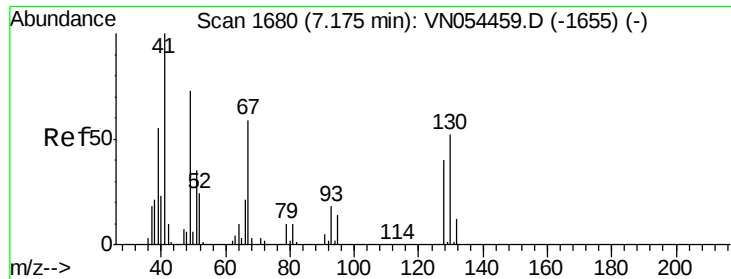
MMDadoda
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#40
Benzene
Concen: 49.885 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054503.D
Acq: 21 Mar 2019 10:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.1	28.7





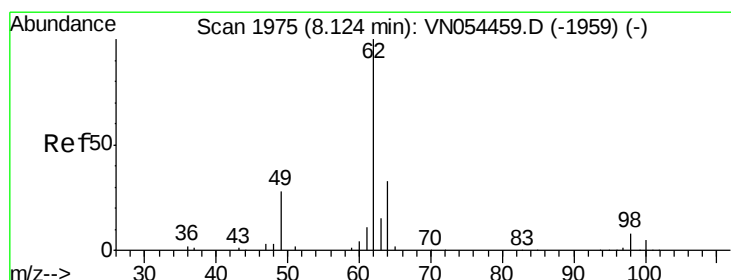
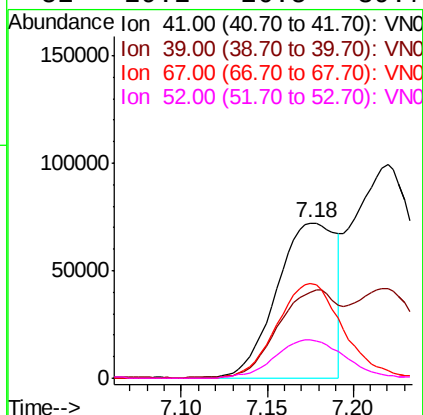
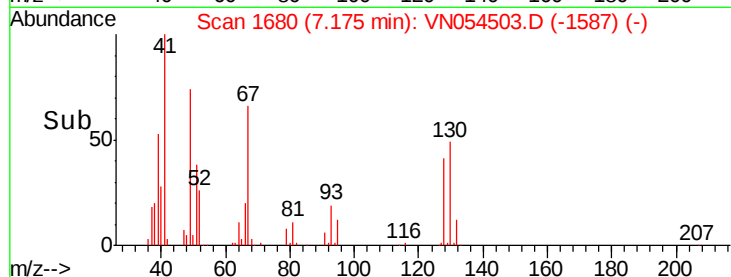
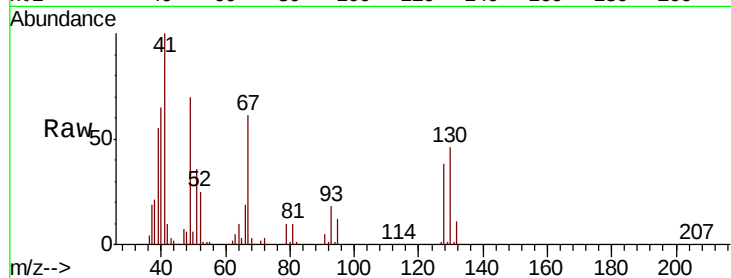
#41
Methacrylonitrile
Concen: 49.278 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054503.D
Acq: 21 Mar 2019 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.6	46.8	70.2	
67	69.3	67.0	100.4	
52	29.2	26.5	39.7	

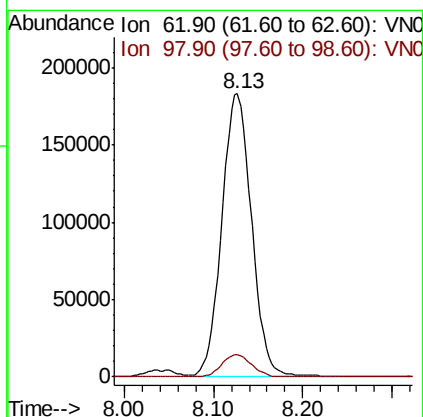
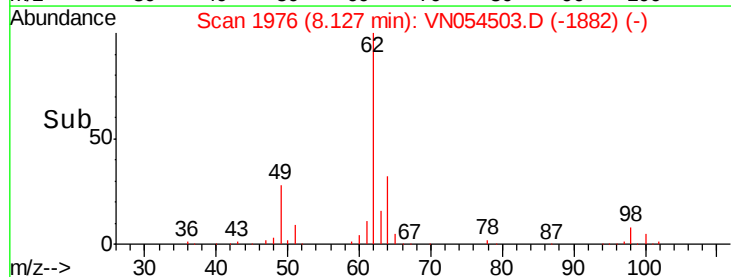
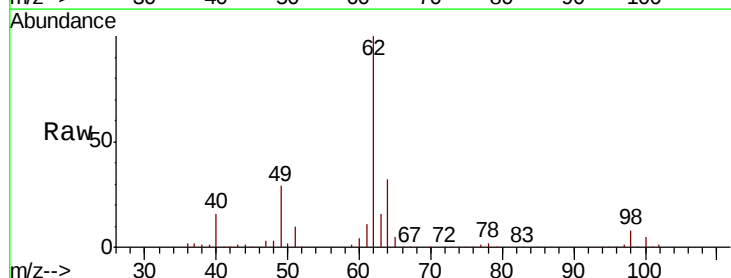
Manual Integrations
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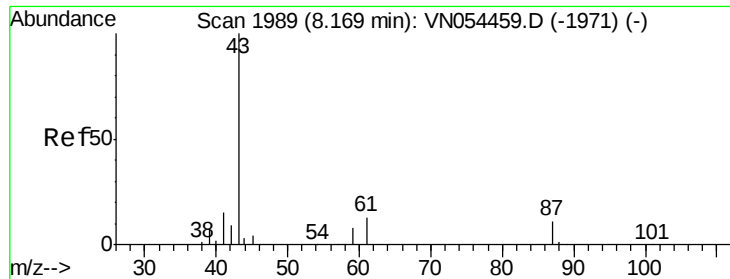
MMDadoda
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#42
1,2-Dichloroethane
Concen: 50.348 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054503.D
Acq: 21 Mar 2019 10:19

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.9	0.0	18.4	





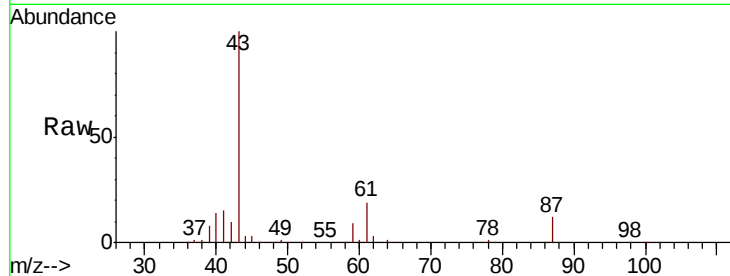
#43
Isopropyl Acetate
Concen: 55.176 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. -0.00 min
Lab File: VN054503.D
Acq: 21 Mar 2019 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

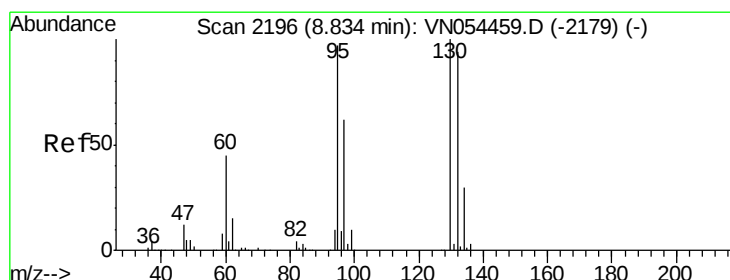
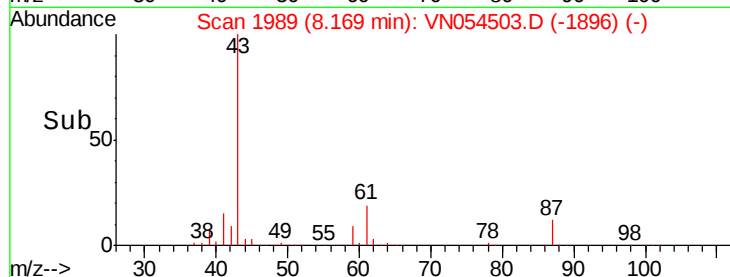
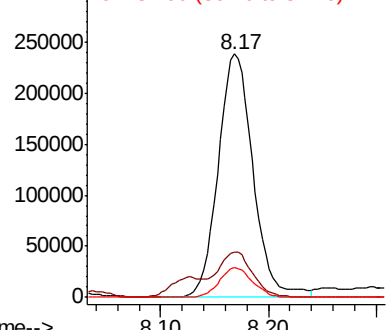
Tot Ion	Ratio	Lower	Upper
43	100		
61	17.8	15.8	23.8
87	11.7	12.0	18.0

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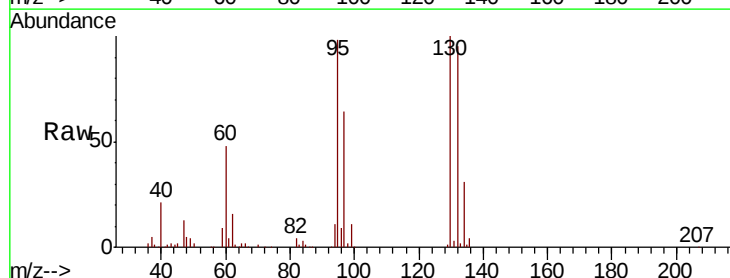


Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-1971) (-)
Ion 61.00 (60.70 to 61.70): VN054459.D (-1971) (-)
Ion 87.00 (86.70 to 87.70): VN054459.D (-1971) (-)

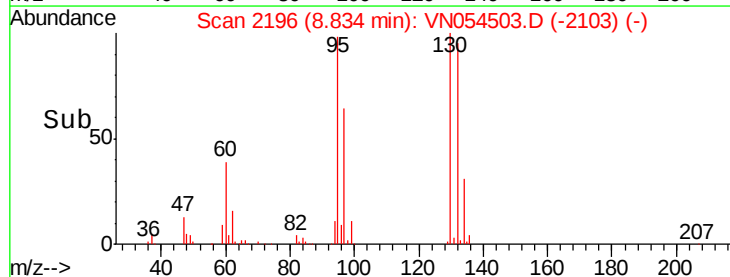
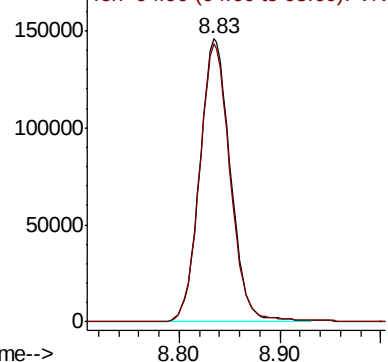


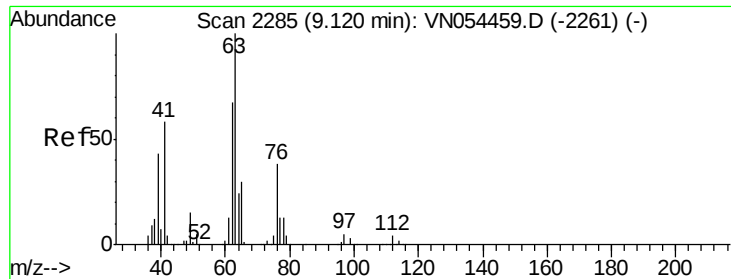
#44
Trichloroethene
Concen: 48.217 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN054503.D
Acq: 21 Mar 2019 10:19

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.2	0.0	185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054459.D (-2179) (-)
Ion 94.90 (94.60 to 95.60): VN054459.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 52.372 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN054503.D

Acq: 21 Mar 2019 10:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 323712

Ion Ratio Lower Upper

63 100

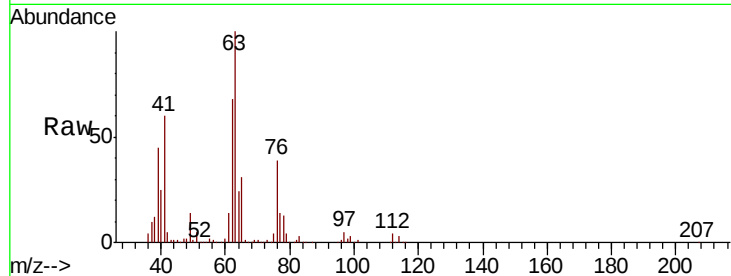
65 30.9 25.0 37.6

Manual Integrations

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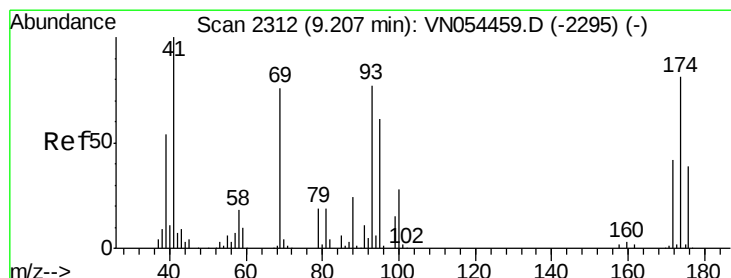
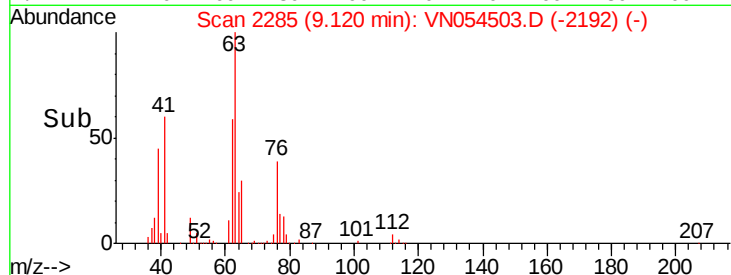
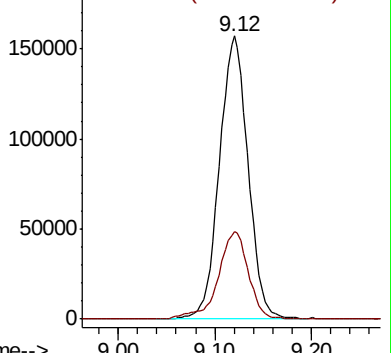
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 51.397 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN054503.D

Acq: 21 Mar 2019 10:19

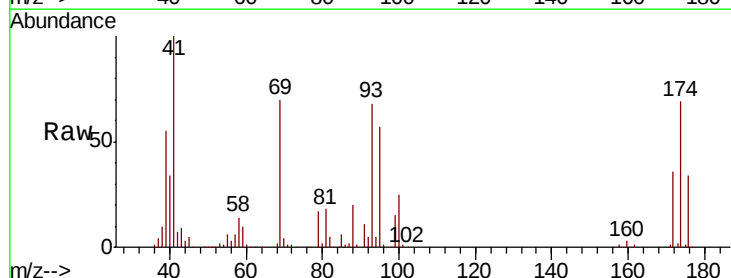
Tgt Ion: 93 Resp: 189525

Ion Ratio Lower Upper

93 100

95 82.0 66.7 100.1

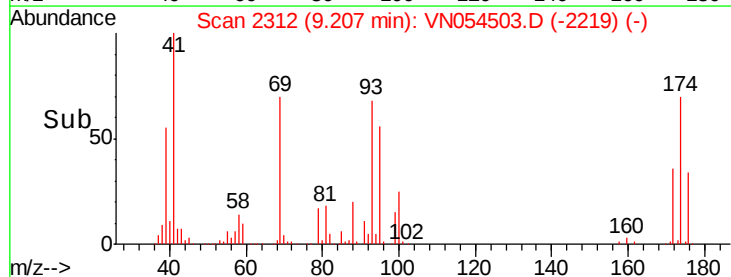
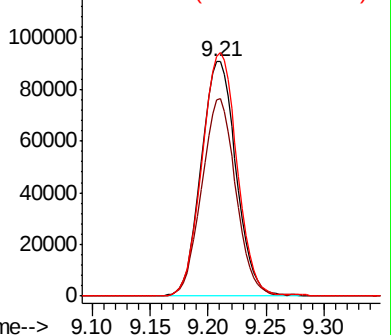
174 104.1 98.5 147.7



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





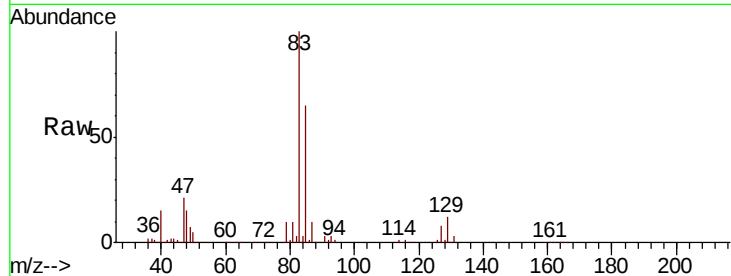
#47
Bromodichloromethane
Concen: 51.550 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN054503.D
Acq: 21 Mar 2019 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

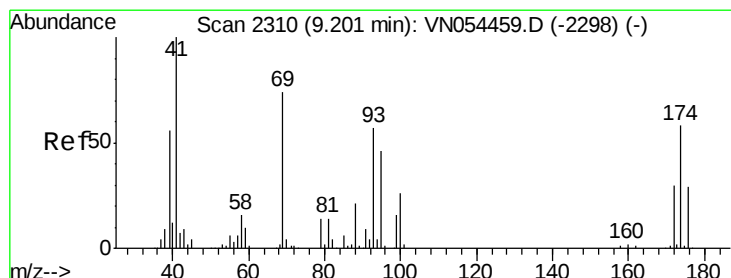
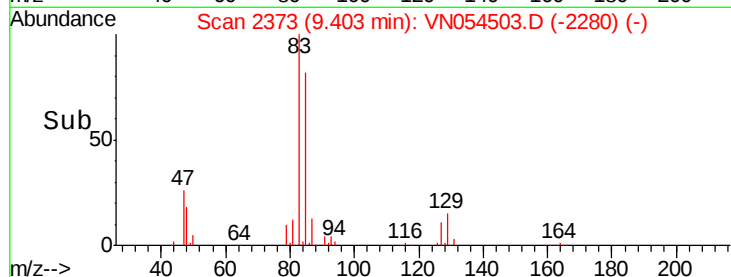
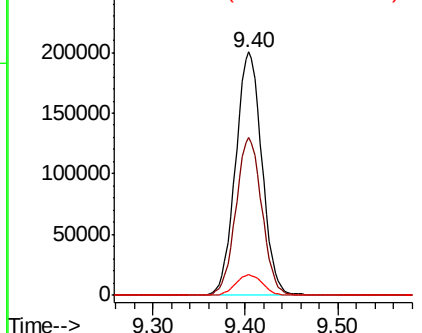
Tot Ion	83	Resp	394499
Ion Ratio	100	Lower	Upper
83	100		
85	64.8	52.8	79.2
127	8.4	7.4	11.2

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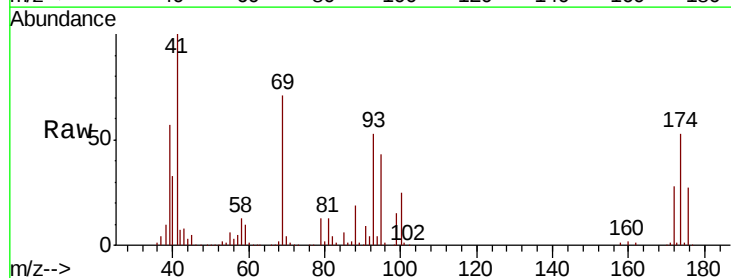


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

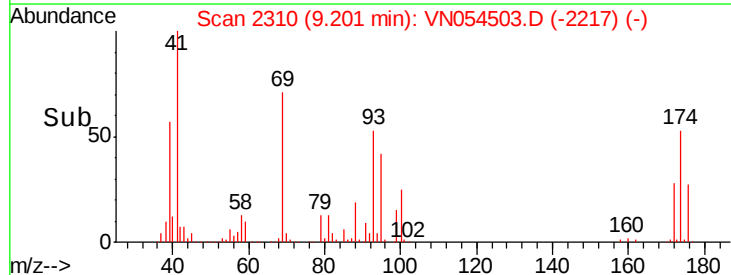
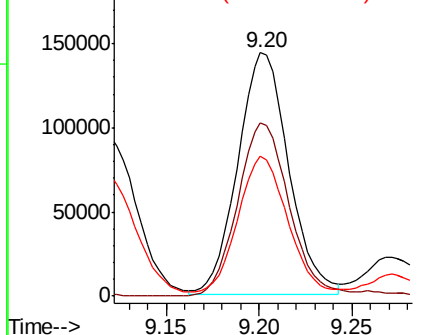


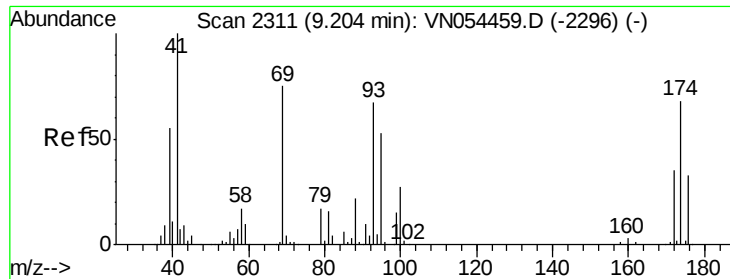
#48
Methyl methacrylate
Concen: 52.410 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN054503.D
Acq: 21 Mar 2019 10:19

Tgt Ion	41	Resp	275052
Ion Ratio	100	Lower	Upper
41	100		
69	72.3	72.6	108.8#
39	57.0	47.5	71.3



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





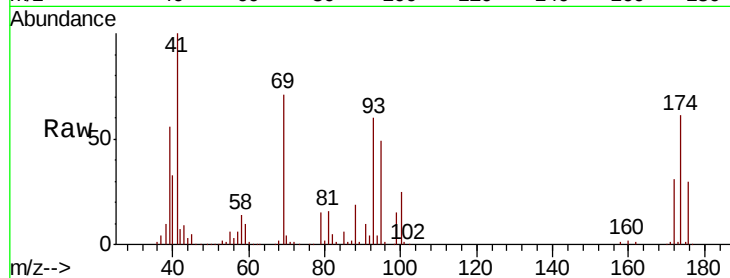
#49
1,4-Dioxane
Concen: 965.205 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN054503.D
Acq: 21 Mar 2019 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.0	24.1	36.1#
58	73.1	50.8	76.2

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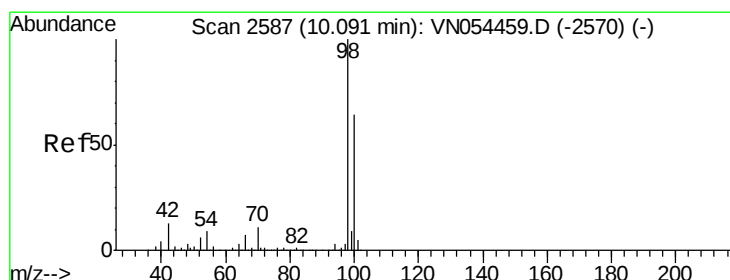
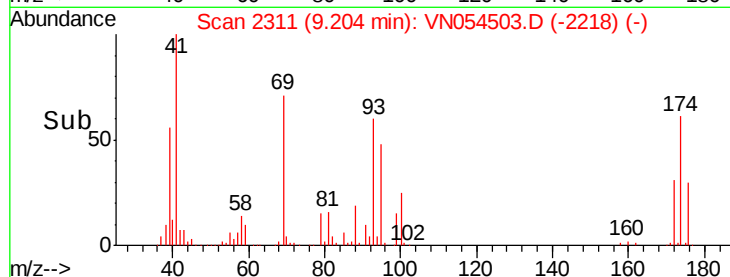
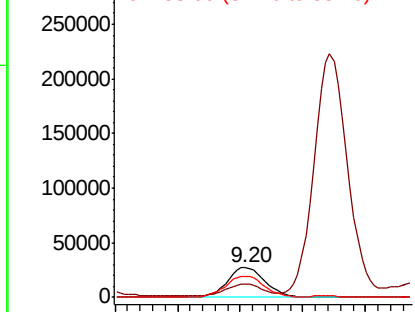


Abundance

Ion 88.00 (87.70 to 88.70): VN0

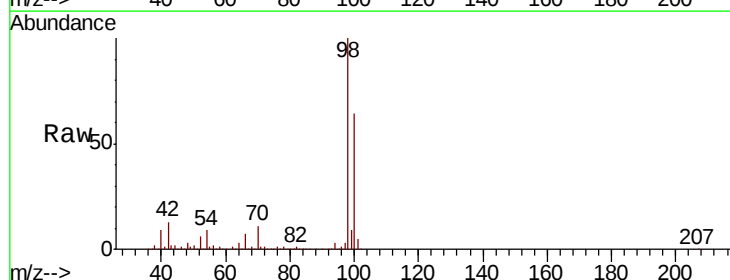
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 49.764 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054503.D
Acq: 21 Mar 2019 10:19

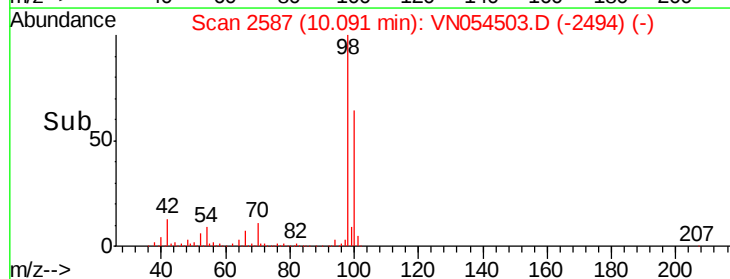
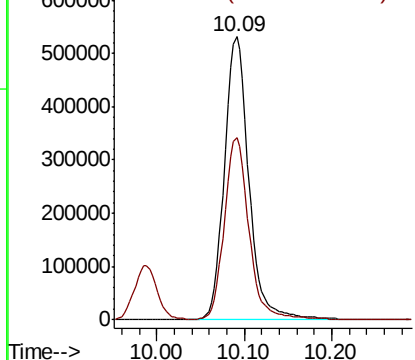
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.2	76.8



Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 274.242 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054503.D

Acq: 21 Mar 2019 10:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1469581

Ion Ratio Lower Upper

43 100

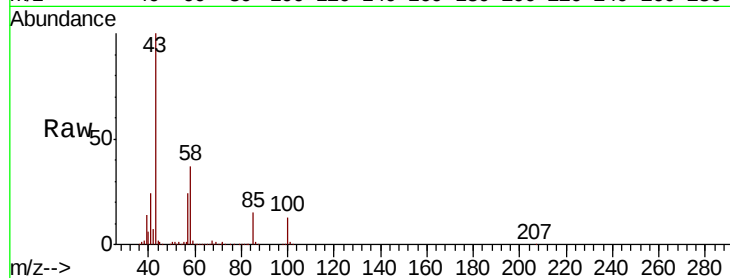
58 36.5 31.8 47.6

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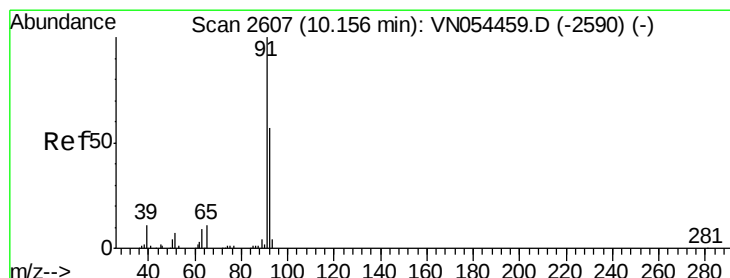
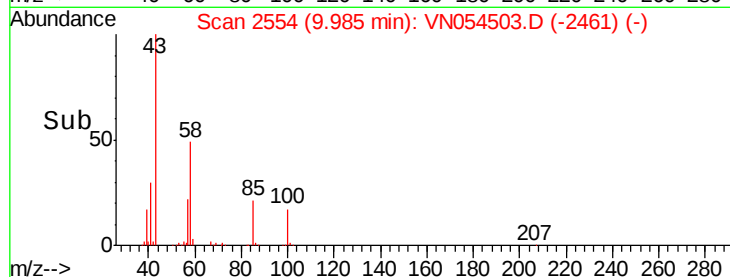
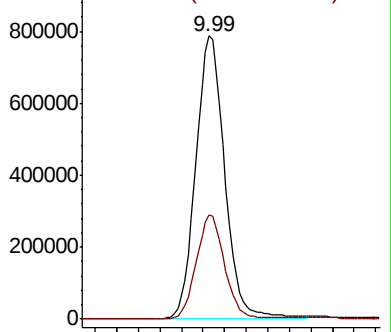
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 49.573 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054503.D

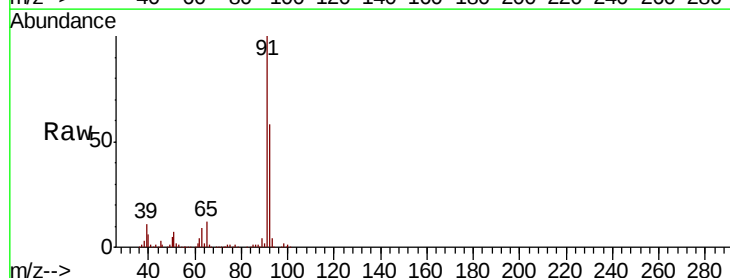
Acq: 21 Mar 2019 10:19

Tgt Ion: 92 Resp: 701832

Ion Ratio Lower Upper

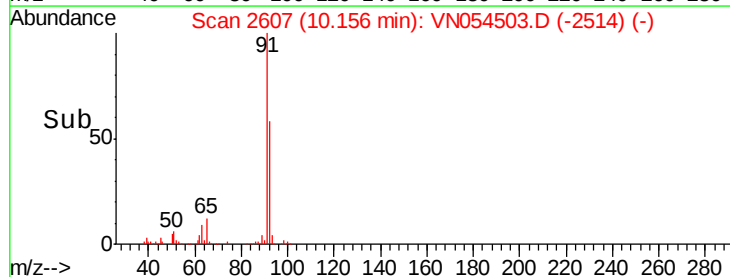
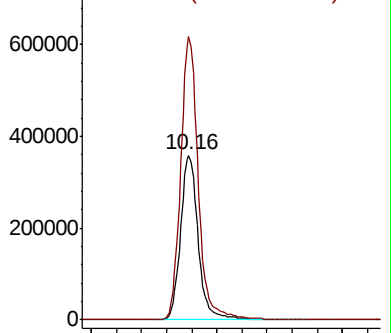
92 100

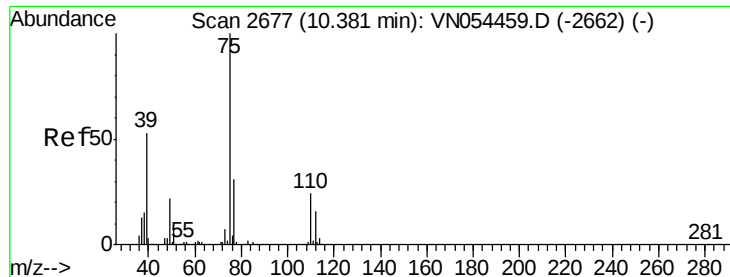
91 172.0 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





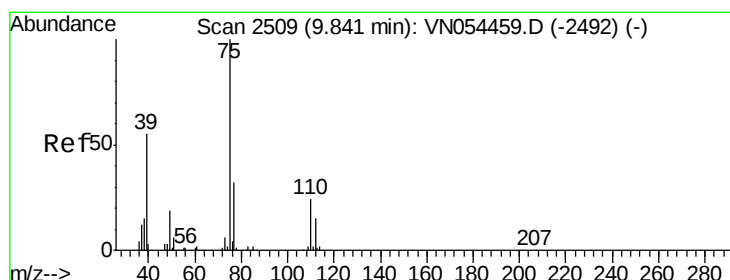
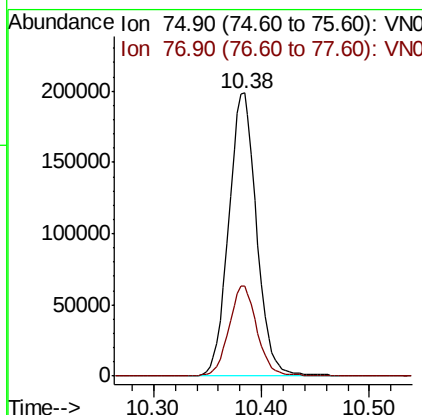
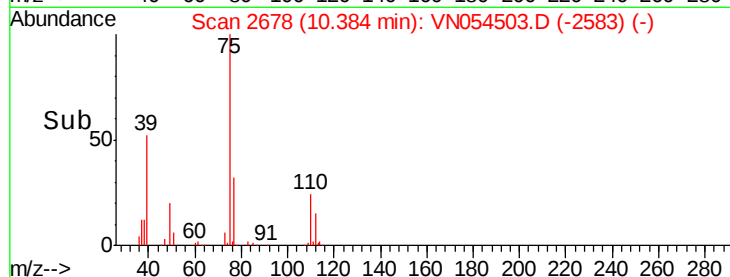
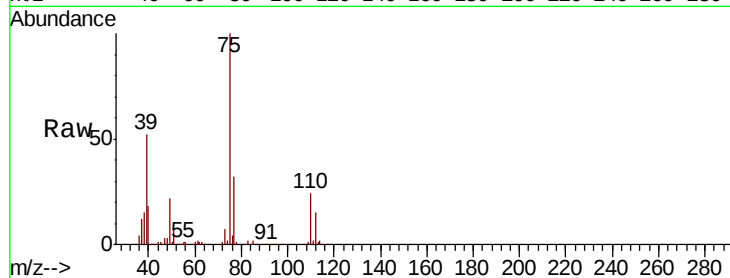
#53
t-1,3-Dichloropropene
Concen: 44.590 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN054503.D
Acq: 21 Mar 2019 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 357929
Ion Ratio Lower Upper
75 100
77 31.6 25.8 38.8

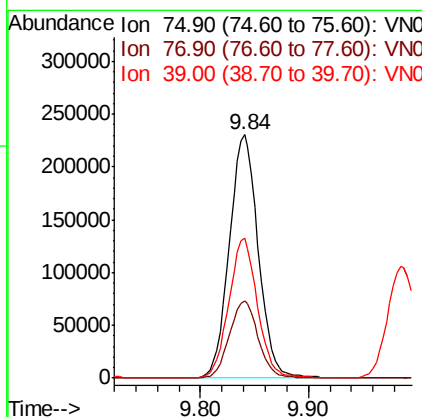
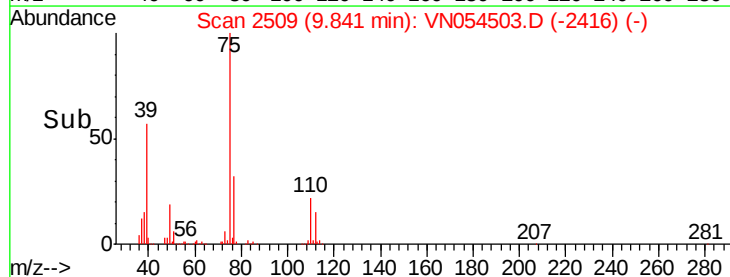
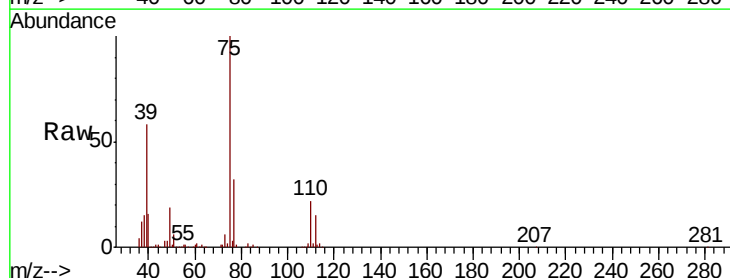
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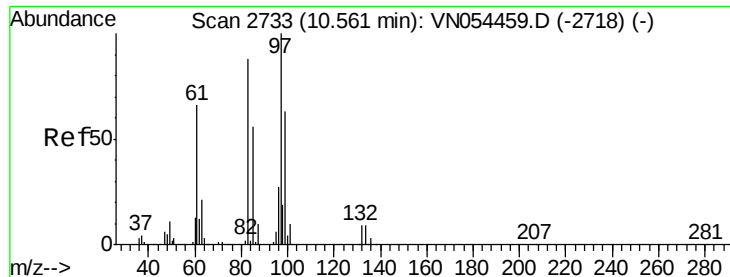
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#54
cis-1,3-Dichloropropene
Concen: 49.216 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN054503.D
Acq: 21 Mar 2019 10:19

Tgt Ion: 75 Resp: 431854
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.0
39 57.4 37.2 55.8#





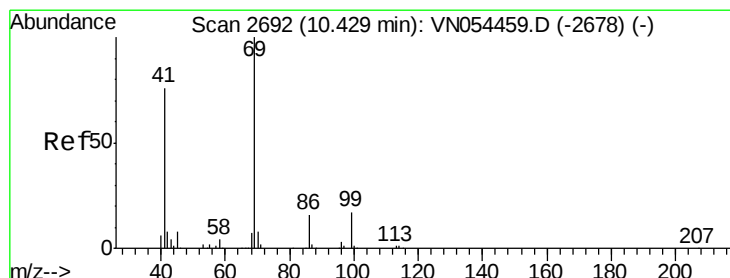
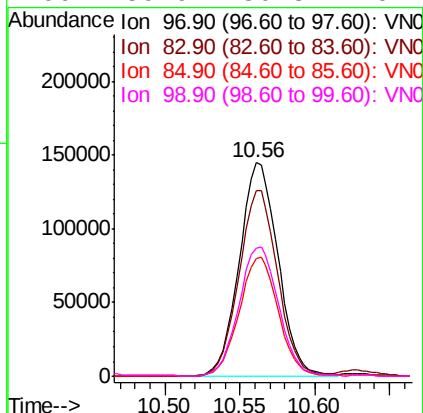
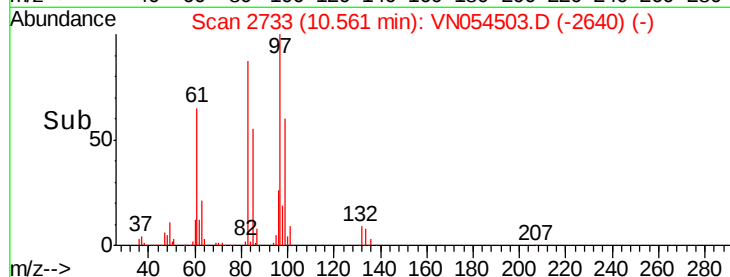
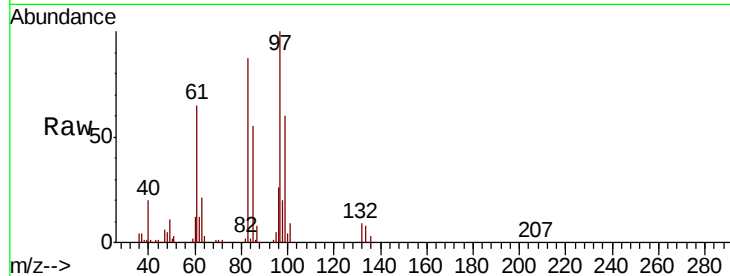
#55
 1,1,2-Trichloroethane
 Concen: 51.354 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054503.D
 Acq: 21 Mar 2019 10:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	261346
Ion	Ratio	Lower	Upper
97	100		
83	86.8	66.6	100.0
85	55.1	44.4	66.6
99	59.9	50.8	76.2

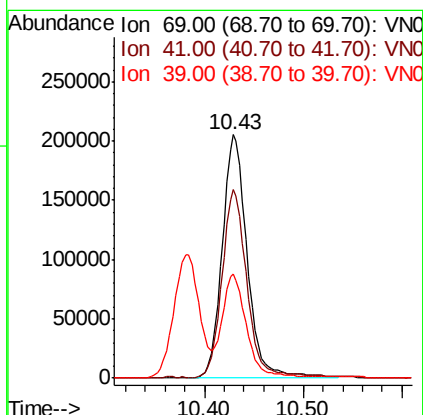
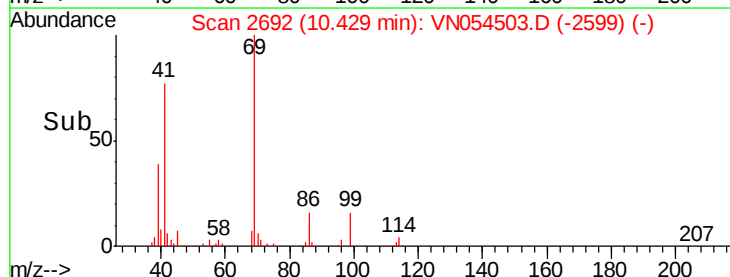
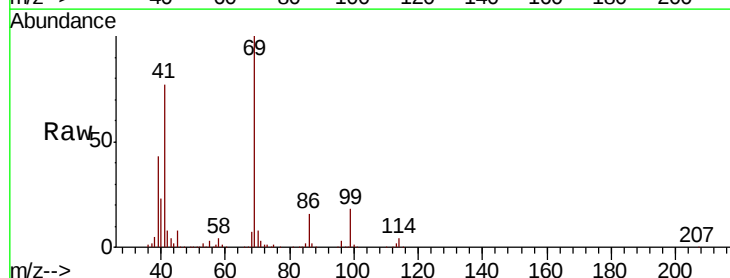
Manual Integrations
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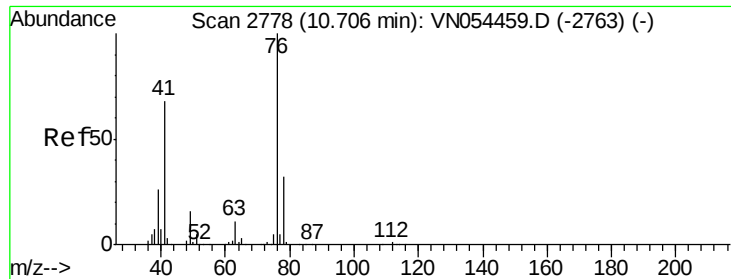
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#56
 Ethyl methacrylate
 Concen: 53.673 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054503.D
 Acq: 21 Mar 2019 10:19

Tgt Ion:	69	Resp:	366622
Ion	Ratio	Lower	Upper
69	100		
41	77.3	49.4	74.2#
39	41.5	28.3	42.5





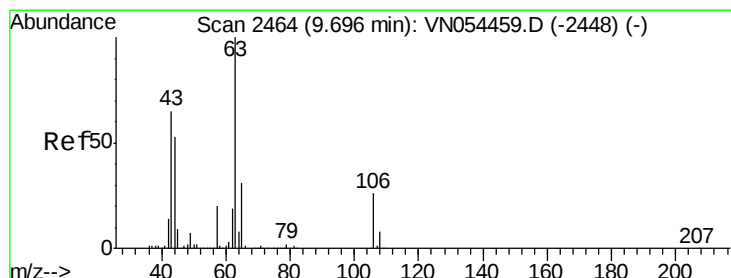
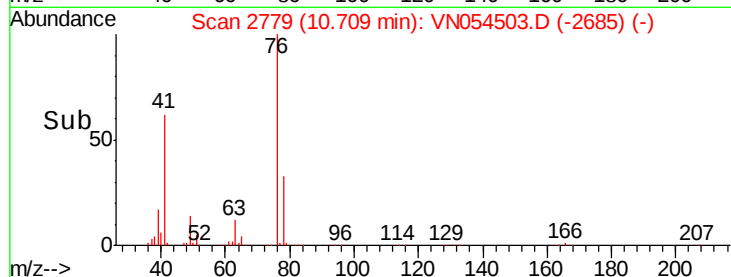
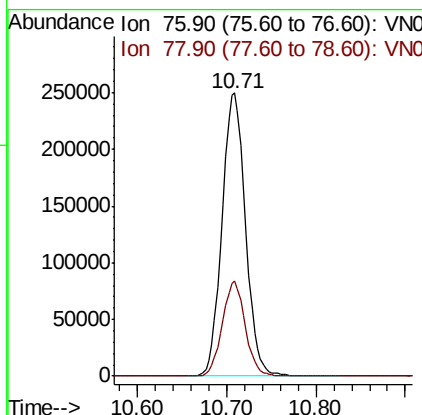
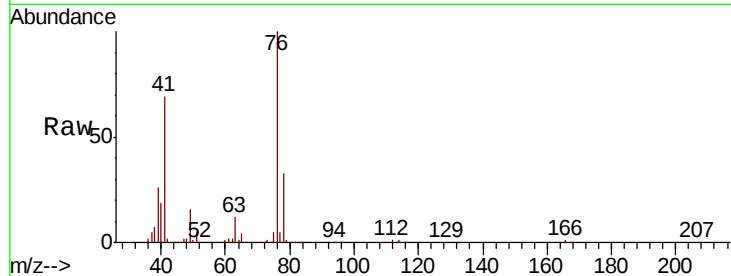
#57
 1,3-Dichloropropane
 Concen: 51.334 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN054503.D
 Acq: 21 Mar 2019 10:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 454132
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.7 38.5

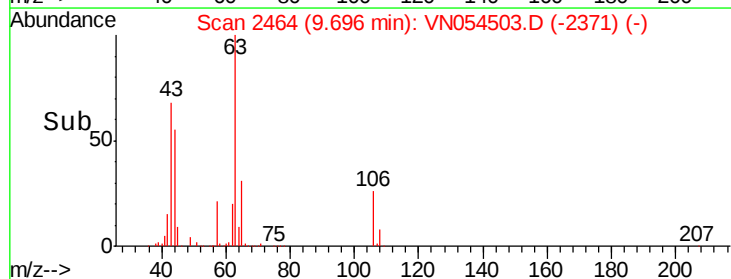
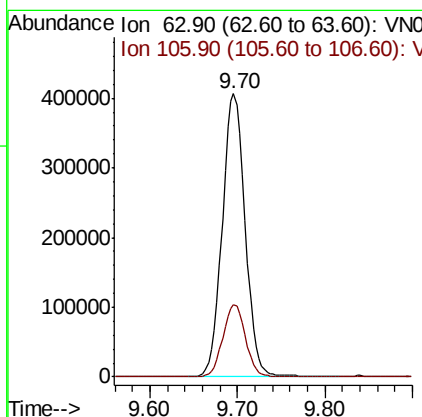
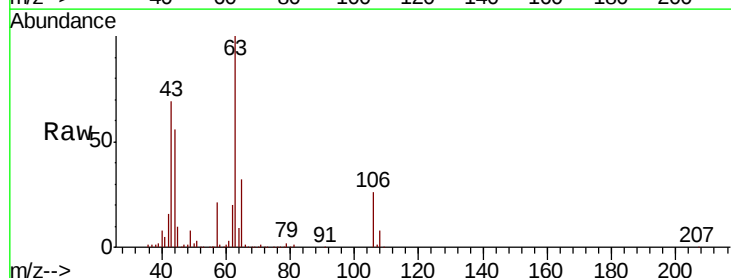
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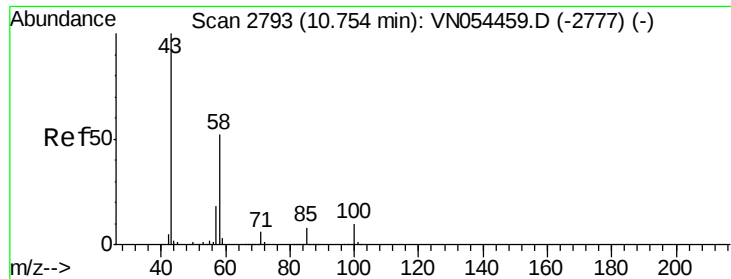
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 262.974 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN054503.D
 Acq: 21 Mar 2019 10:19

Tgt Ion: 63 Resp: 739670
 Ion Ratio Lower Upper
 63 100
 106 25.2 24.4 36.6





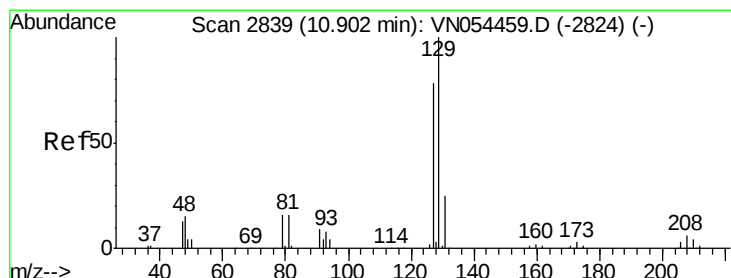
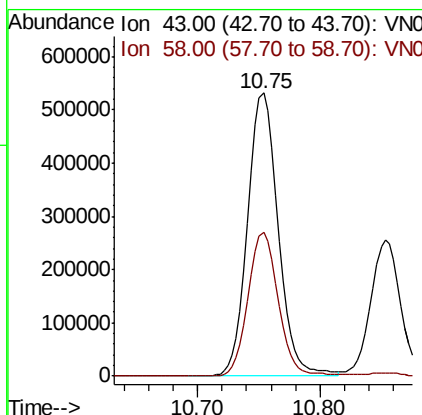
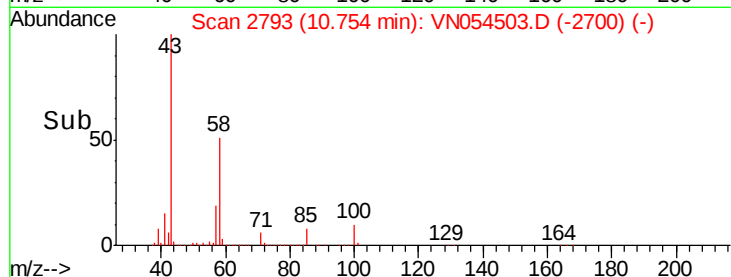
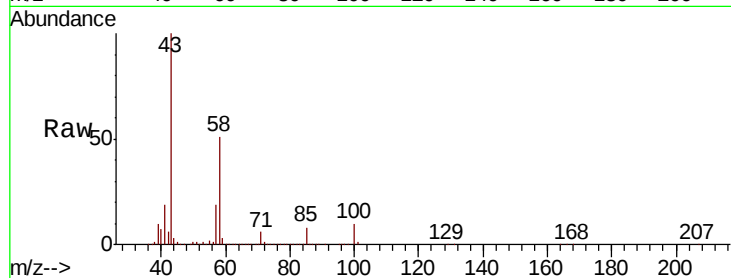
#59
2-Hexanone
Concen: 261.535 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054503.D
Acq: 21 Mar 2019 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 915435
Ion Ratio Lower Upper
43 100
58 50.5 28.0 83.9

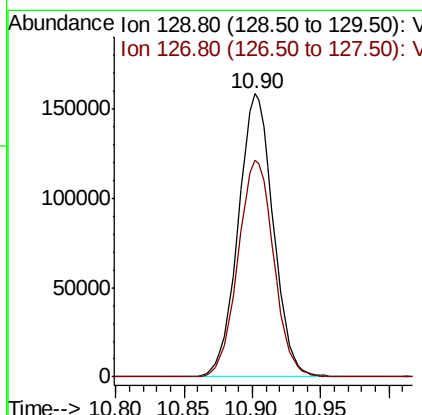
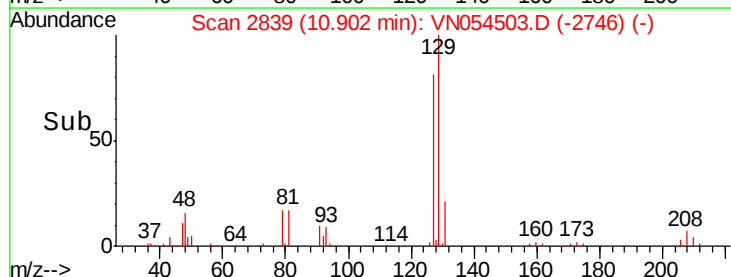
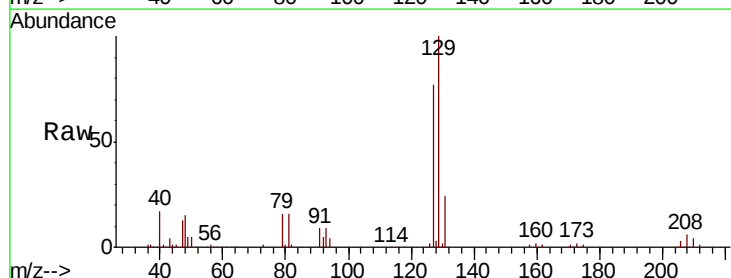
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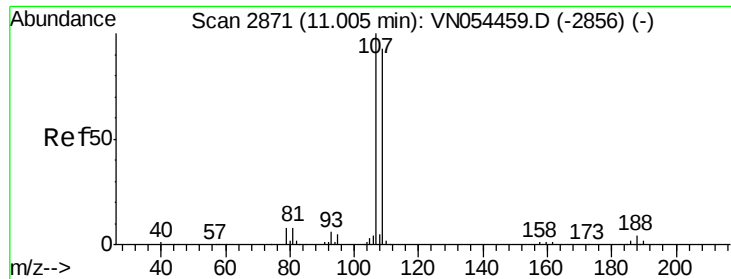
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#60
Dibromochloromethane
Concen: 52.142 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054503.D
Acq: 21 Mar 2019 10:19

Tgt Ion:129 Resp: 282366
Ion Ratio Lower Upper
129 100
127 78.1 38.6 115.8





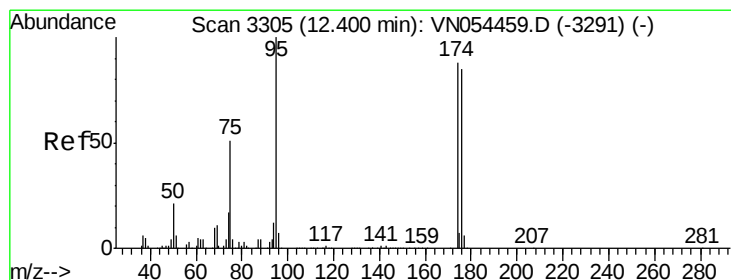
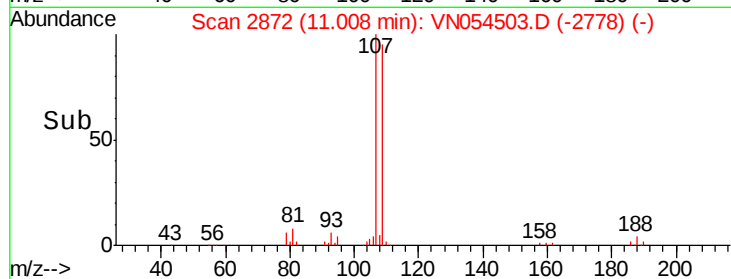
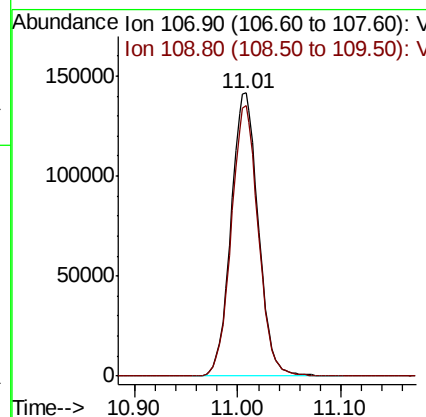
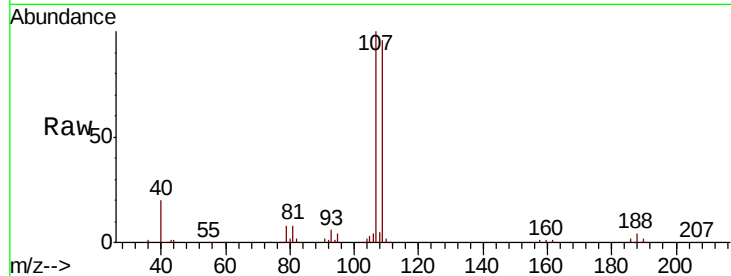
#61
 1,2-Dibromoethane
 Concen: 51.985 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054503.D
 Acq: 21 Mar 2019 10:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	75.9	113.9

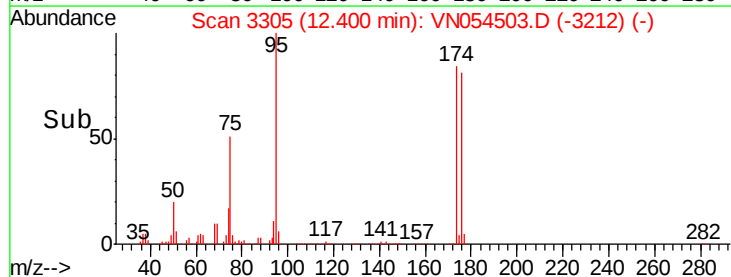
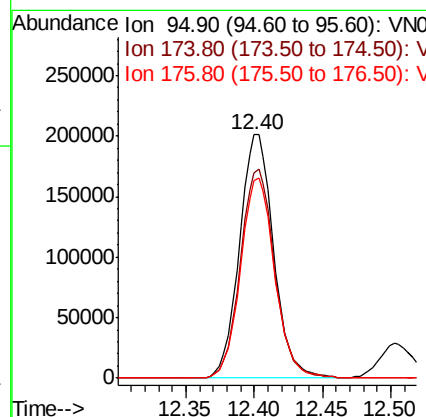
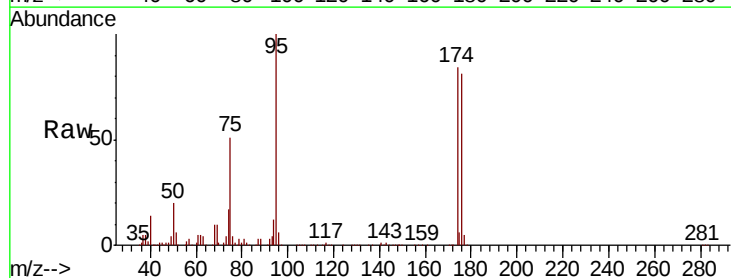
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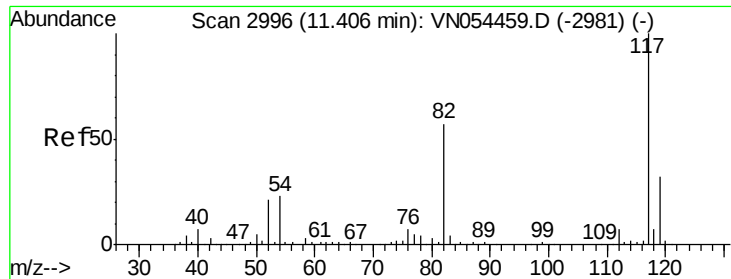
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 49.312 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054503.D
 Acq: 21 Mar 2019 10:19

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.0	0.0	191.0
176	82.5	0.0	187.4





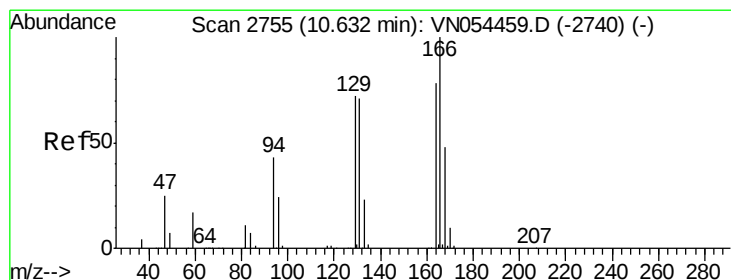
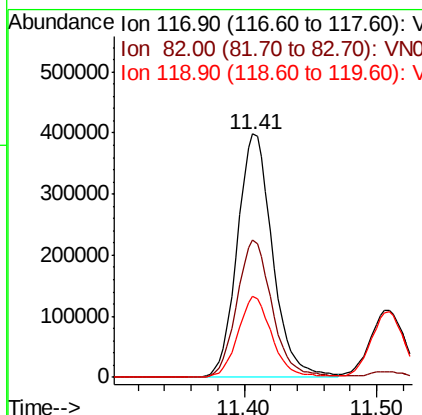
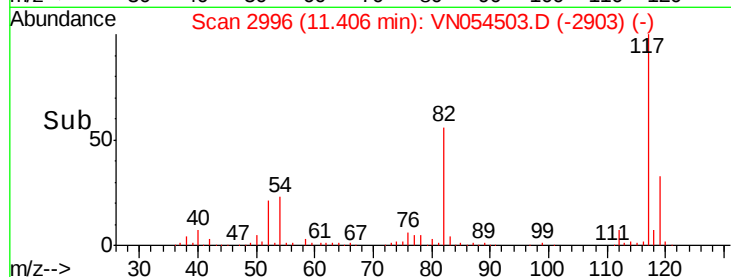
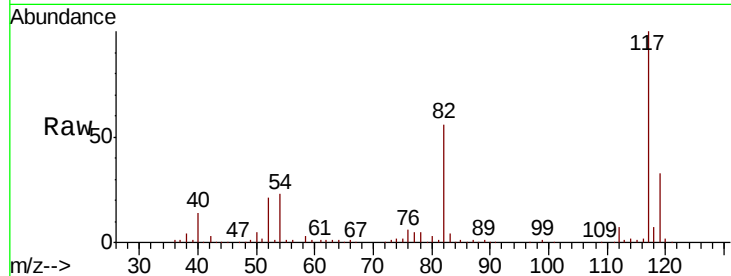
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054503.D
Acq: 21 Mar 2019 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.2	40.0	60.0
119	33.1	25.8	38.6

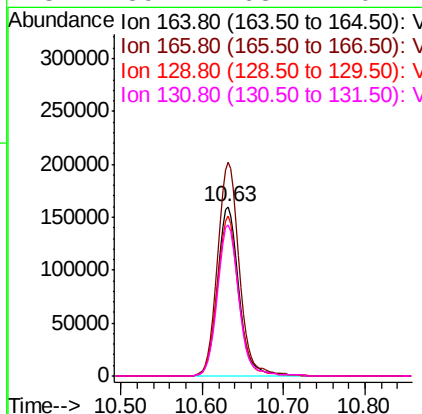
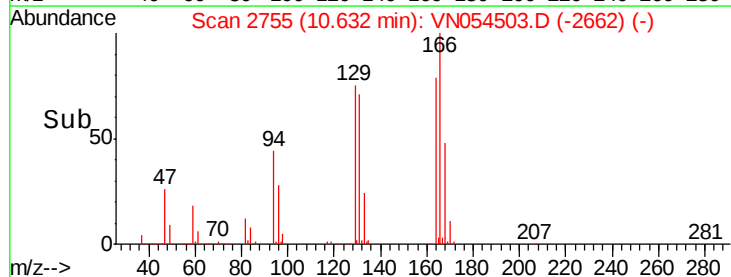
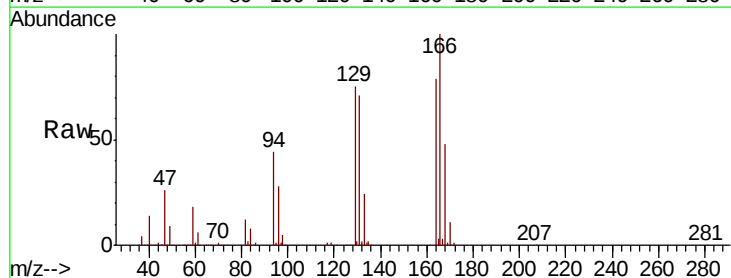
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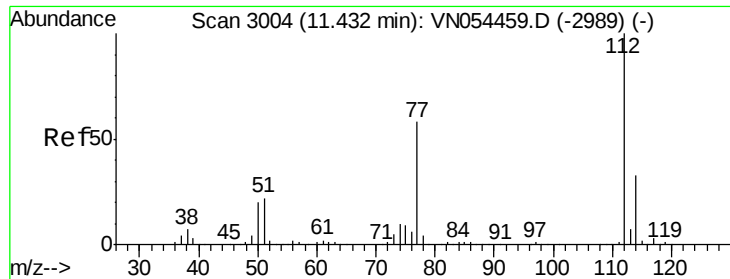
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#64
Tetrachloroethene
Concen: 49.267 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054503.D
Acq: 21 Mar 2019 10:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	103.9	155.9
129	94.5	71.1	106.7
131	89.4	68.2	102.4





#65

Chlorobenzene

Concen: 49.144 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054503.D

Acq: 21 Mar 2019 10:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 73557

Ion Ratio Lower Upper

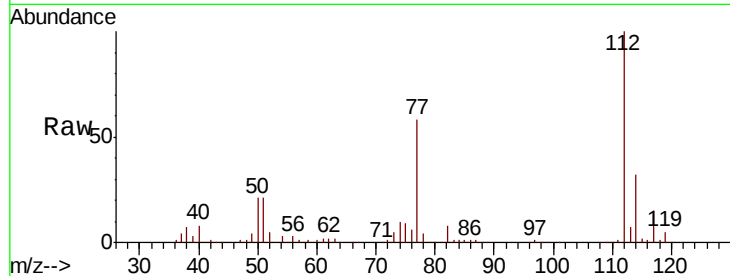
112 100

114 31.6 25.9 38.9

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

400000

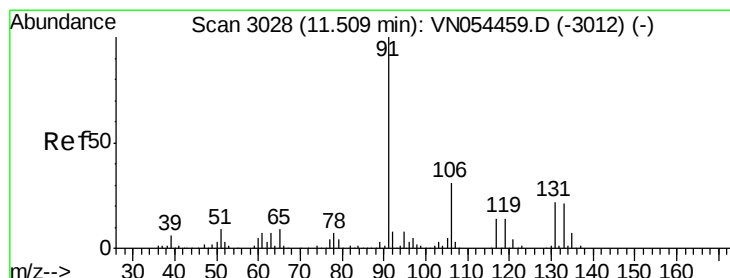
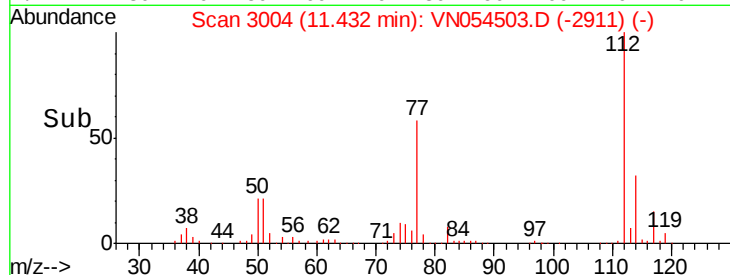
300000

200000

100000

0

Time--> 11.30 11.40 11.50 11.60



#66

1,1,1,2-Tetrachloroethane

Concen: 52.363 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054503.D

Acq: 21 Mar 2019 10:19

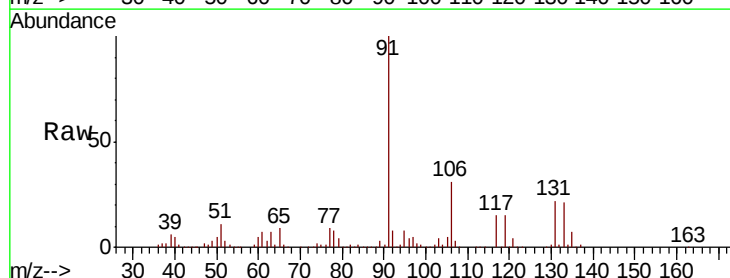
Tgt Ion:131 Resp: 281310

Ion Ratio Lower Upper

131 100

133 96.1 47.6 142.9

119 66.9 32.4 97.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

200000

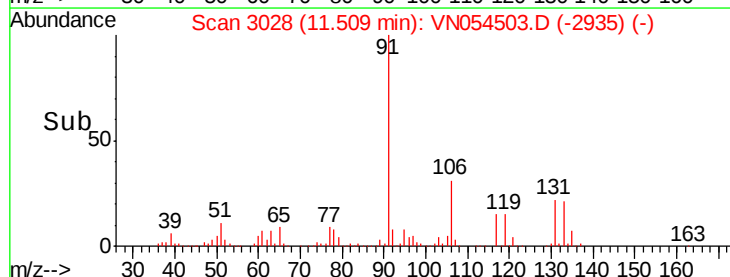
150000

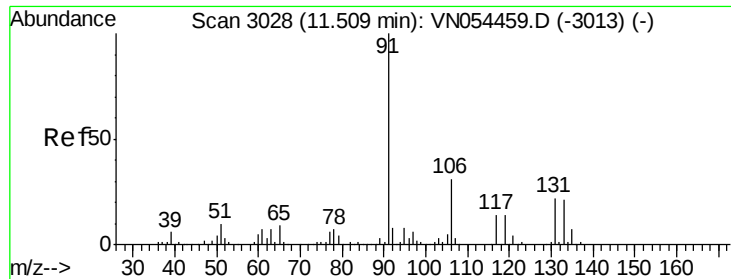
100000

50000

0

Time--> 11.45 11.50 11.55 11.60





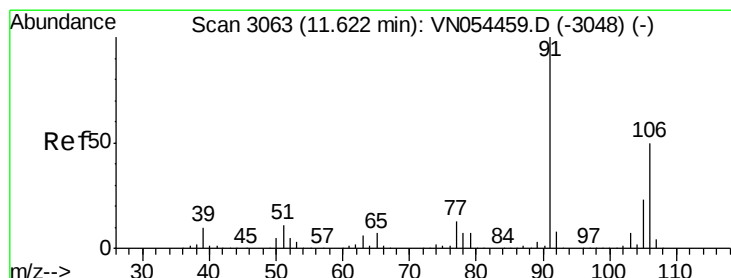
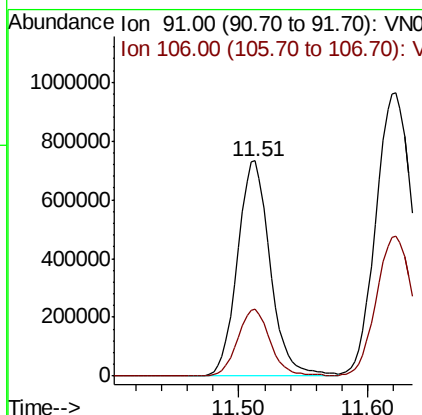
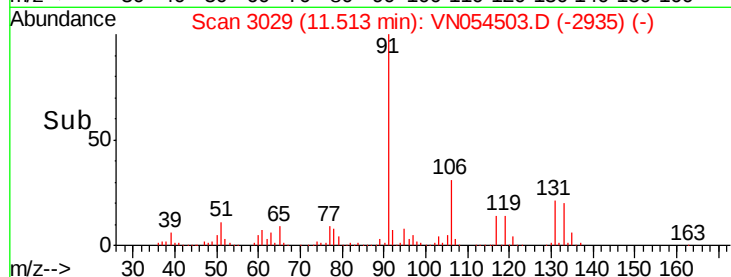
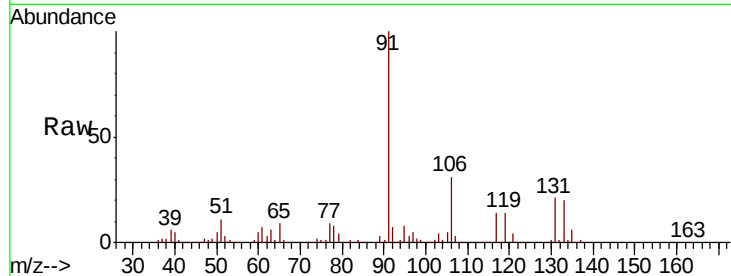
#67
Ethyl Benzene
Concen: 49.073 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054503.D
Acq: 21 Mar 2019 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1297442
Ion Ratio Lower Upper
91 100
106 31.0 25.5 38.3

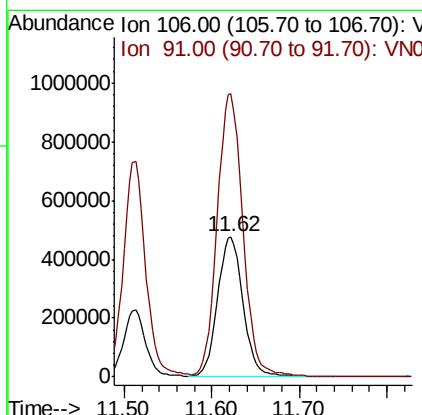
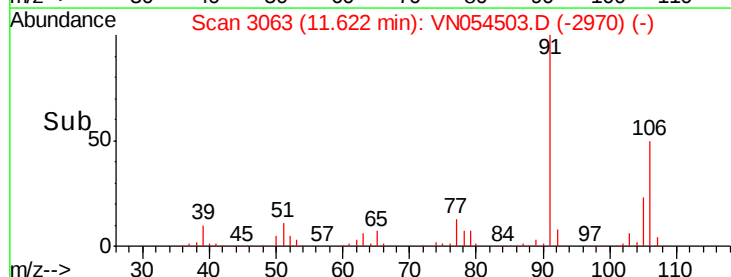
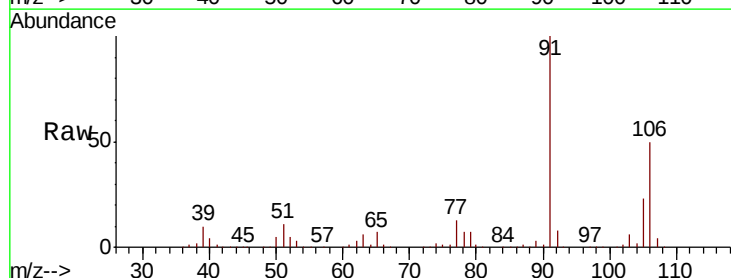
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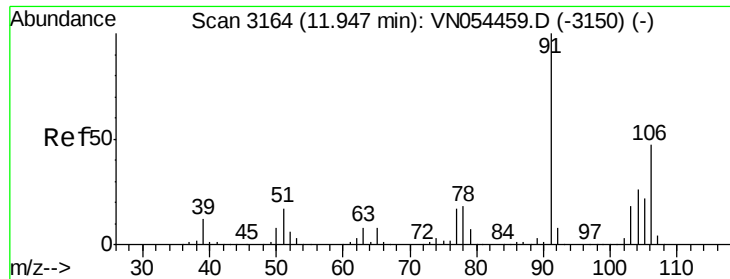
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#68
m/p-Xylenes
Concen: 96.851 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054503.D
Acq: 21 Mar 2019 10:19

Tgt Ion: 106 Resp: 969913
Ion Ratio Lower Upper
106 100
91 203.1 159.4 239.2





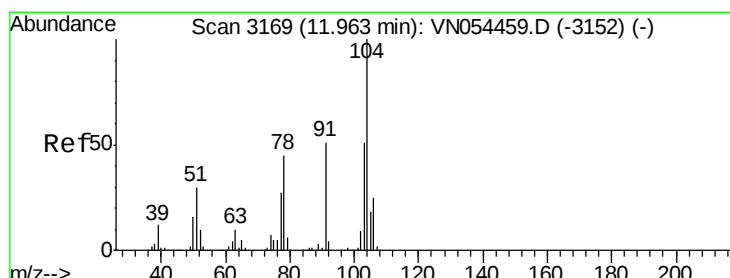
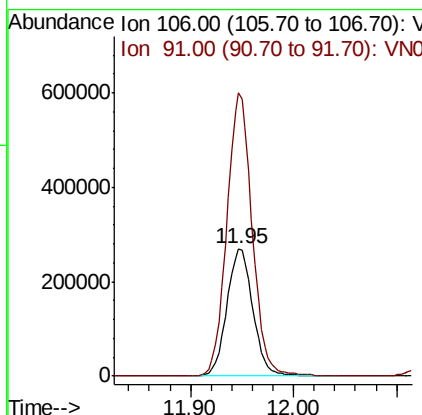
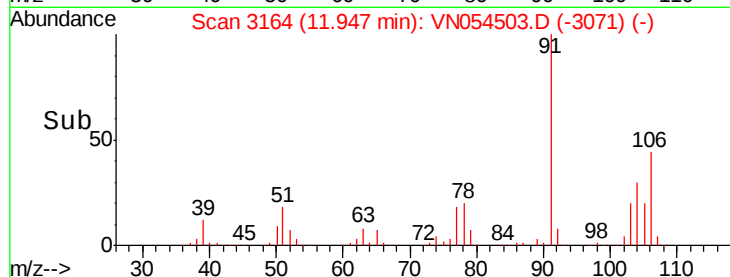
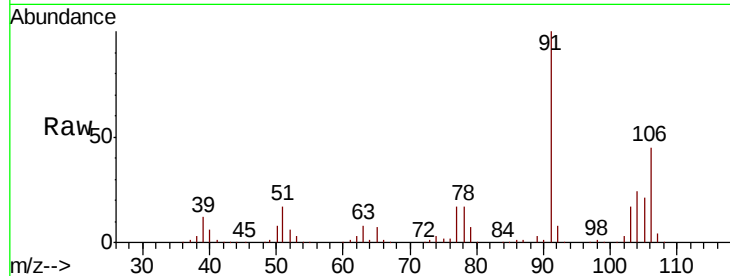
#69
o-Xylene
Concen: 48.566 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054503.D
Acq: 21 Mar 2019 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 474981
Ion Ratio Lower Upper
106 100
91 216.0 105.7 317.1

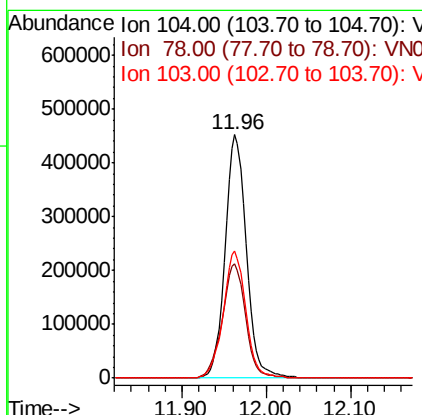
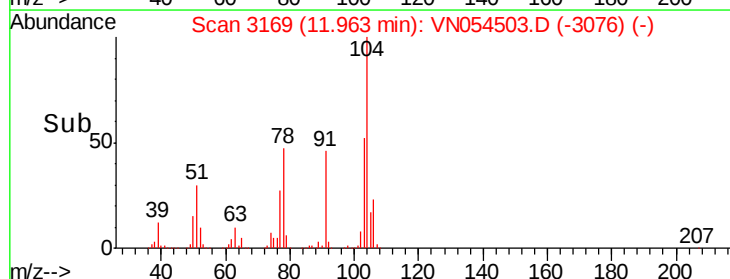
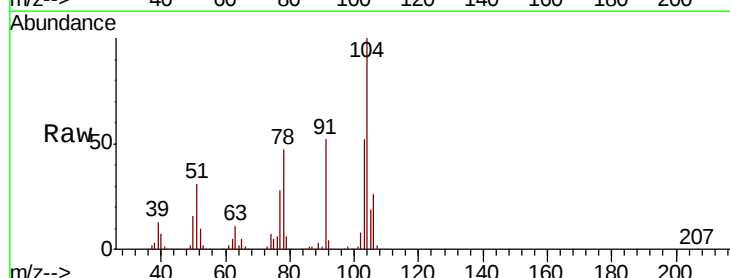
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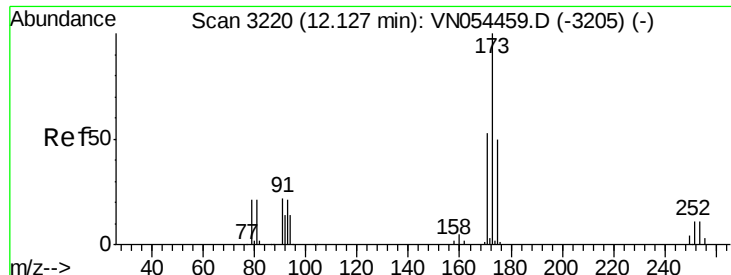
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#70
Styrene
Concen: 49.820 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054503.D
Acq: 21 Mar 2019 10:19

Tgt Ion:104 Resp: 791261
Ion Ratio Lower Upper
104 100
78 51.5 38.2 57.2
103 55.4 44.4 66.6





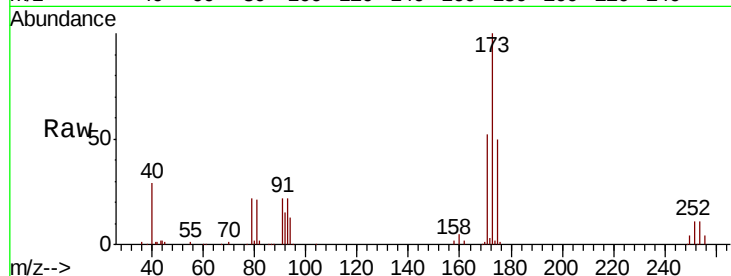
#71
Bromoform
Concen: 47.281 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054503.D
Acq: 21 Mar 2019 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

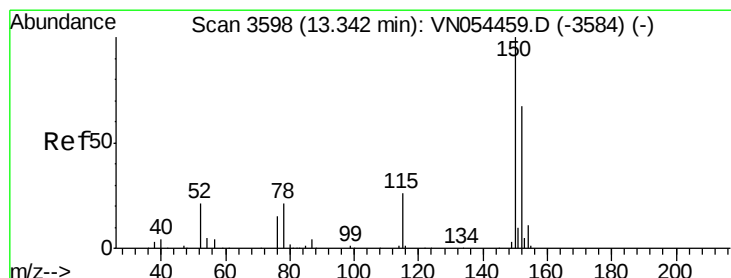
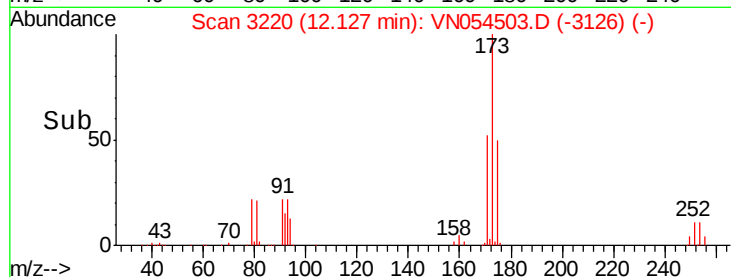
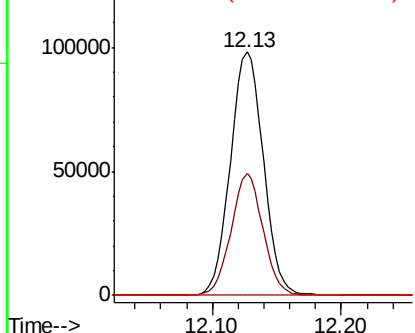
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.4	73.2
254	0.0	0.1	0.1#

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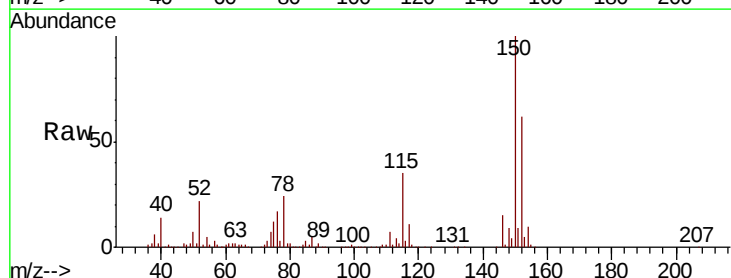


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

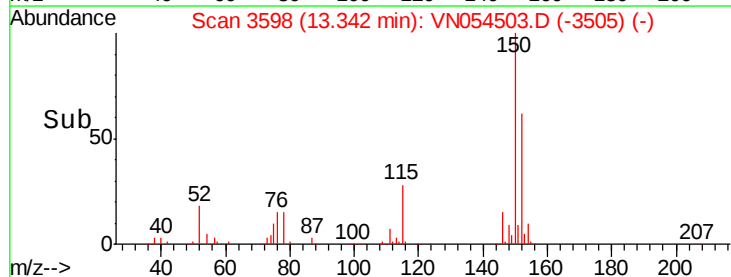
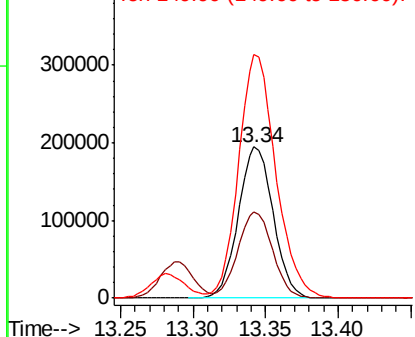


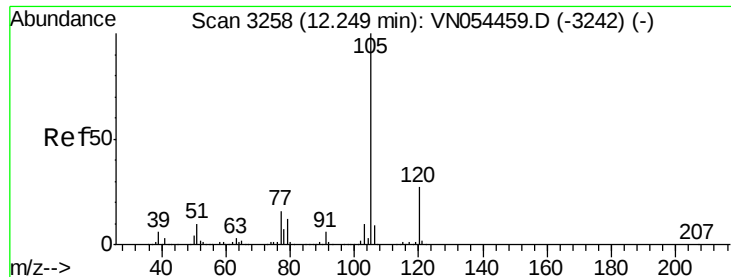
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054503.D
Acq: 21 Mar 2019 10:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.9	27.2	81.6
150	172.1	0.0	349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.412 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054503.D

Acq: 21 Mar 2019 10:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 1243776

Ion Ratio Lower Upper

105 100

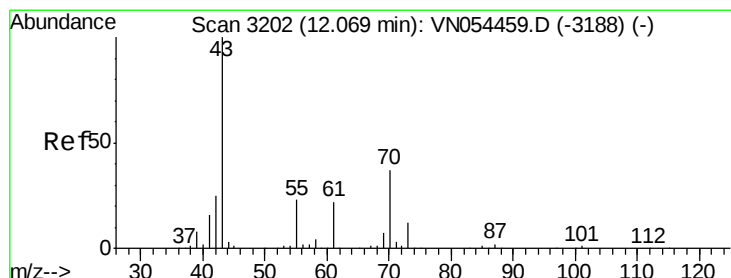
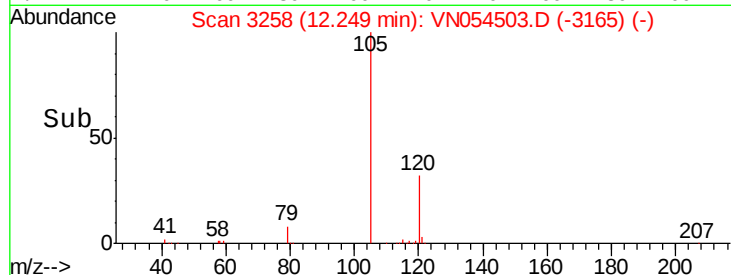
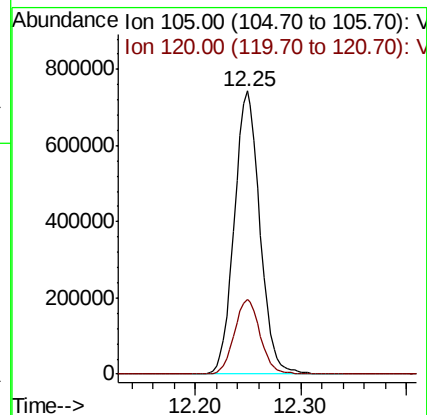
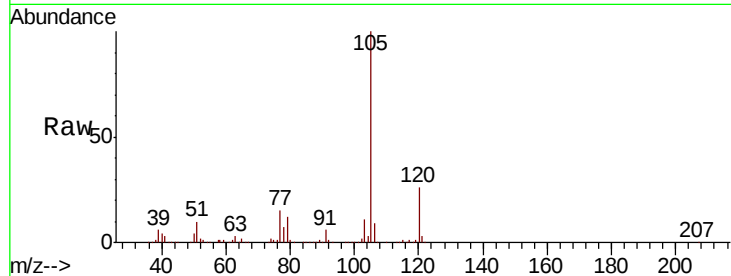
120 26.7 13.8 41.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 55.993 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054503.D

Acq: 21 Mar 2019 10:19

Tgt Ion: 43 Resp: 422356

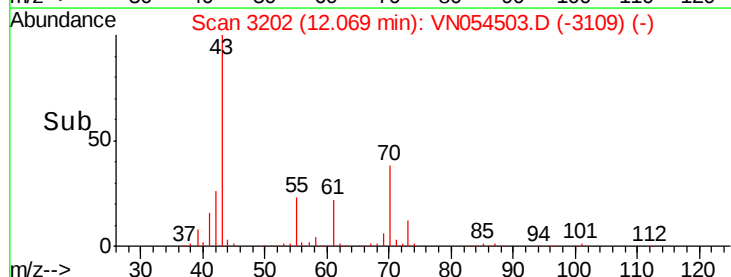
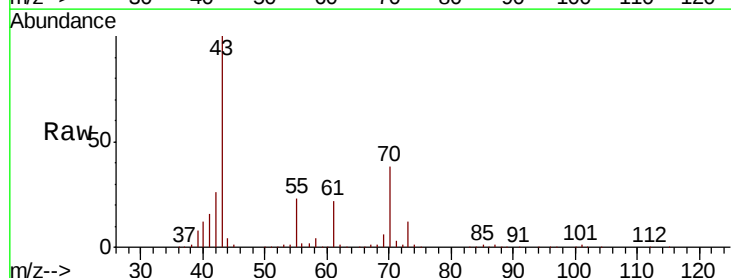
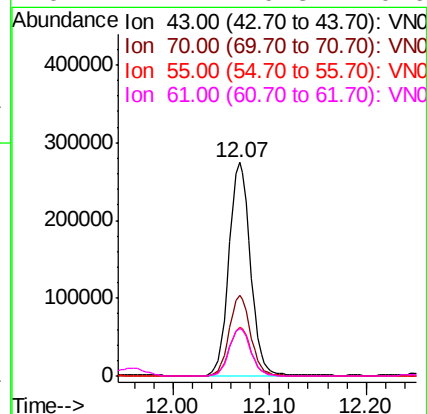
Ion Ratio Lower Upper

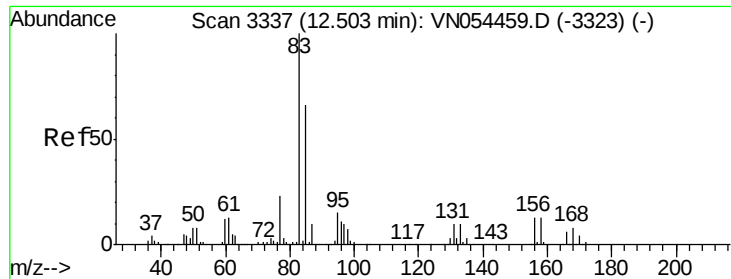
43 100

70 37.8 35.4 53.0

55 23.2 19.8 29.6

61 22.4 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 52.632 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054503.D

Acq: 21 Mar 2019 10:19

Instrument :

MSVOA_N

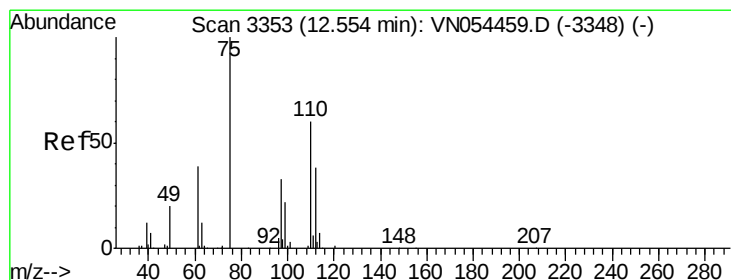
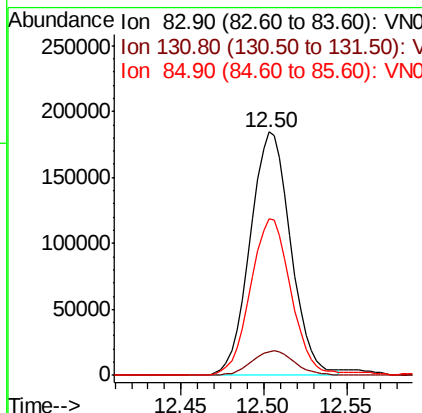
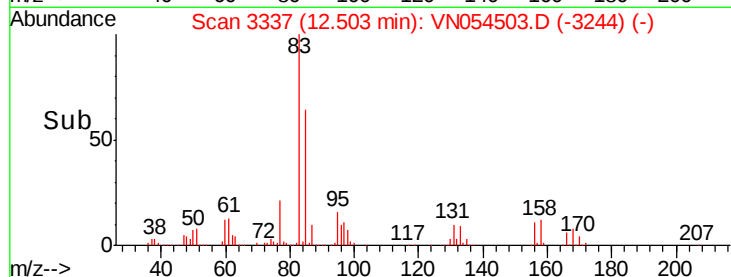
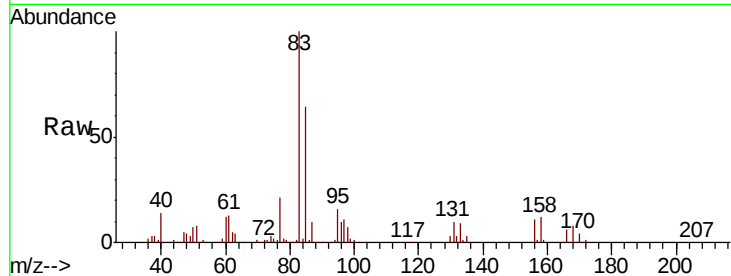
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	315182
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.8	17.4
85	65.3	32.2	96.6

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#76

1,2,3-Trichloropropane

Concen: 51.170 ug/l m

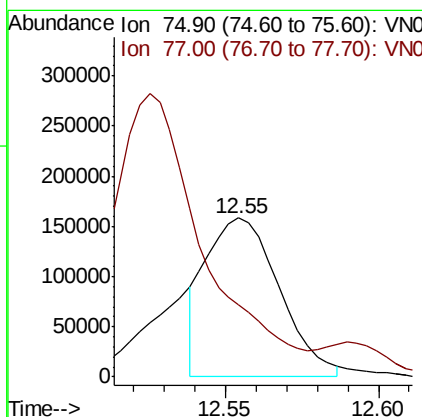
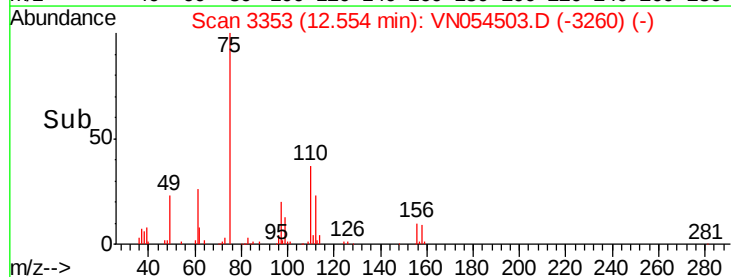
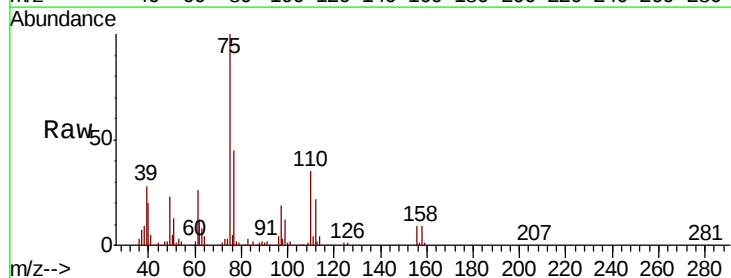
RT: 12.55 min Scan# 3353

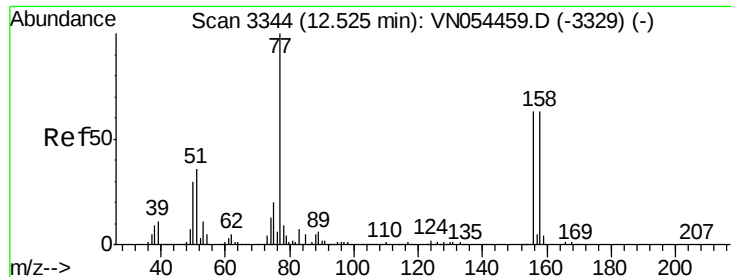
Delta R.T. -0.00 min

Lab File: VN054503.D

Acq: 21 Mar 2019 10:19

Tgt Ion:	75	Resp:	264345
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.991 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054503.D

Acq: 21 Mar 2019 10:19

Instrument :

MSVOA_N

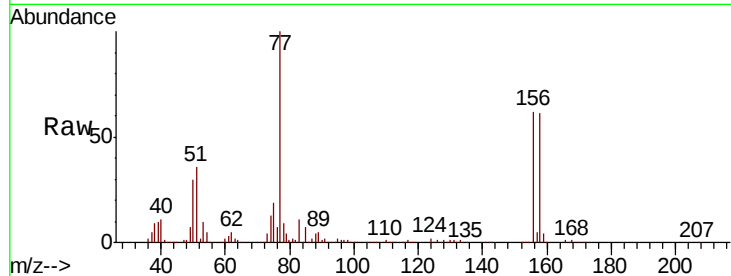
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	312241
Ion Ratio	Lower	Upper	
156	100		
77	189.0	81.5	244.4
158	98.0	49.0	147.2

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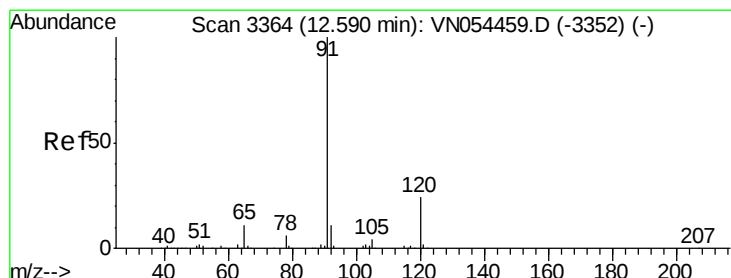
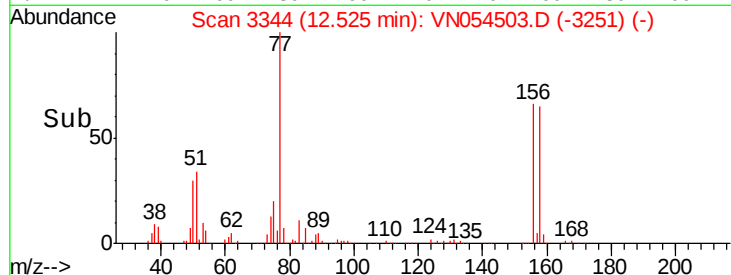
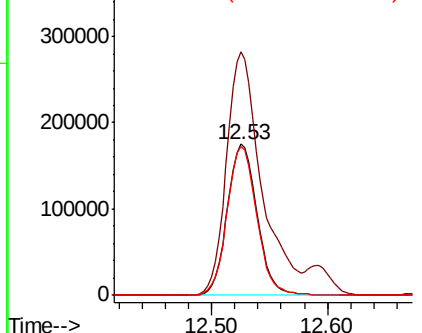
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VNO

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.554 ug/l

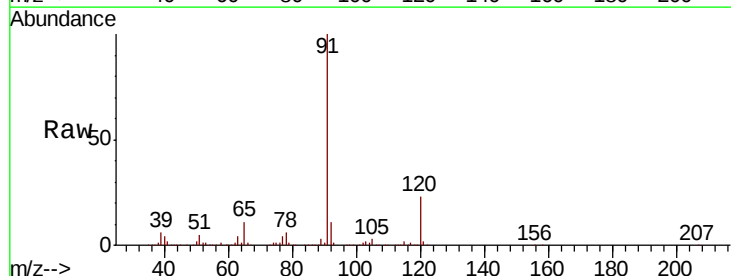
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054503.D

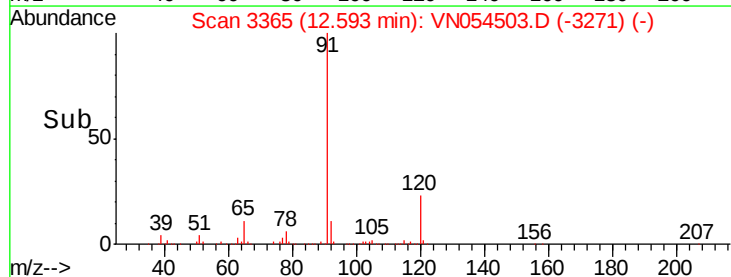
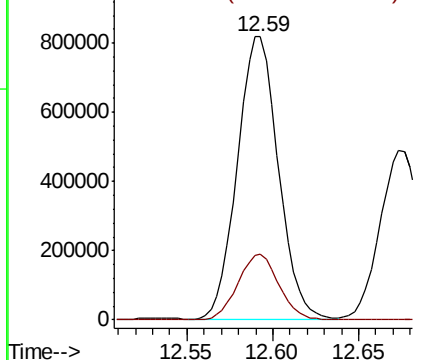
Acq: 21 Mar 2019 10:19

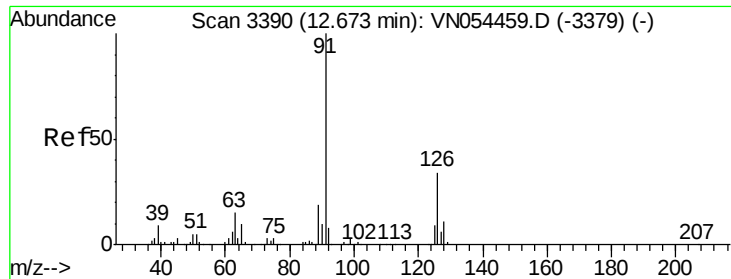
Tgt Ion:	91	Resp:	1352748
Ion Ratio	Lower	Upper	
91	100		
120	23.2	12.3	36.9



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.782 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054503.D

Acq: 21 Mar 2019 10:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 829864

Ion Ratio Lower Upper

91 100

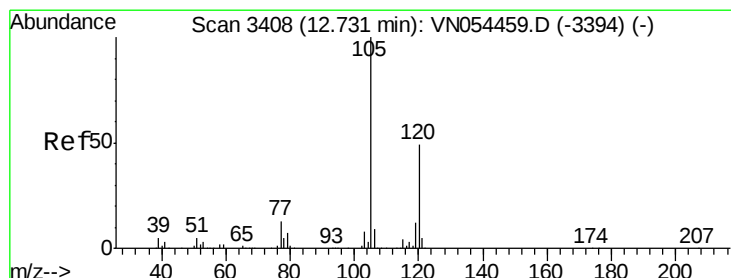
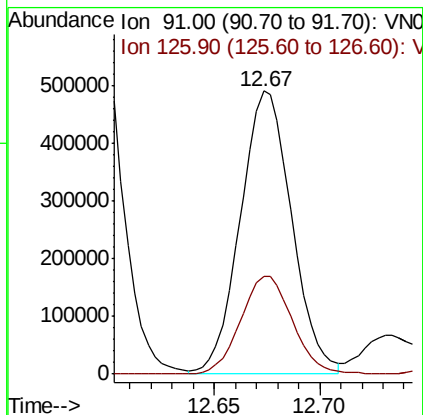
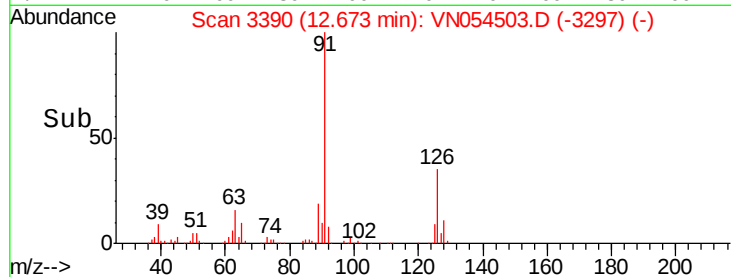
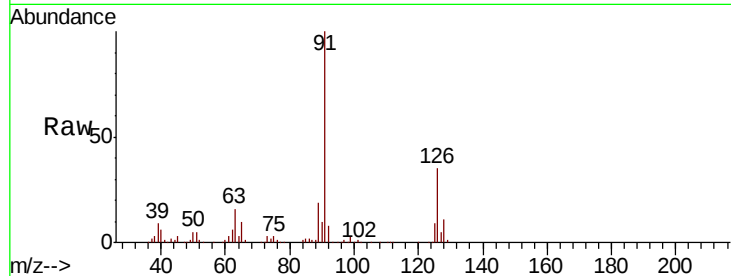
126 35.0 18.7 56.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 47.797 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054503.D

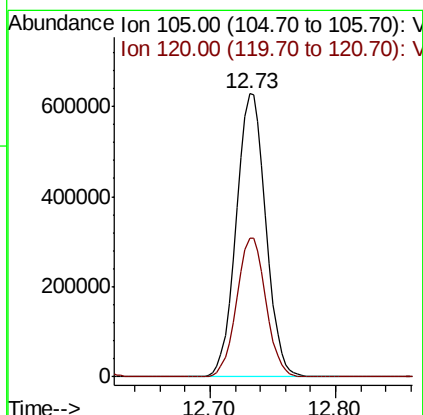
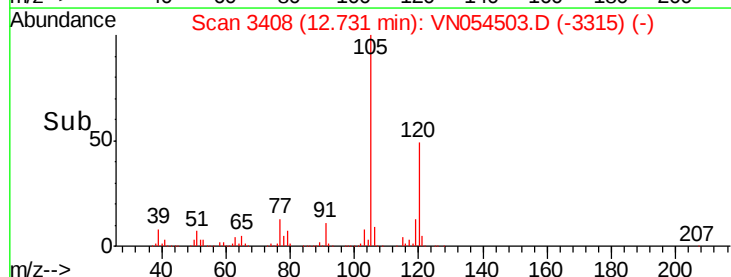
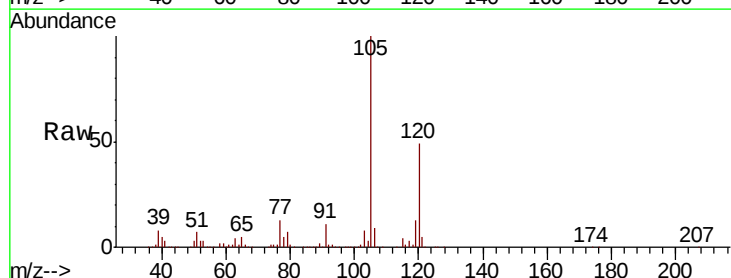
Acq: 21 Mar 2019 10:19

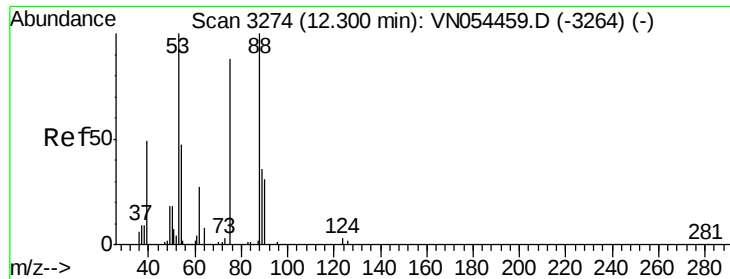
Tgt Ion: 105 Resp: 1027662

Ion Ratio Lower Upper

105 100

120 48.5 25.0 75.0





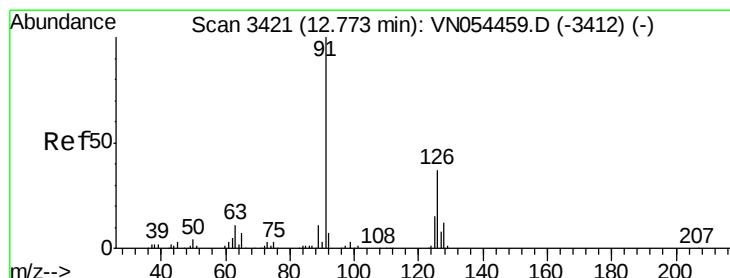
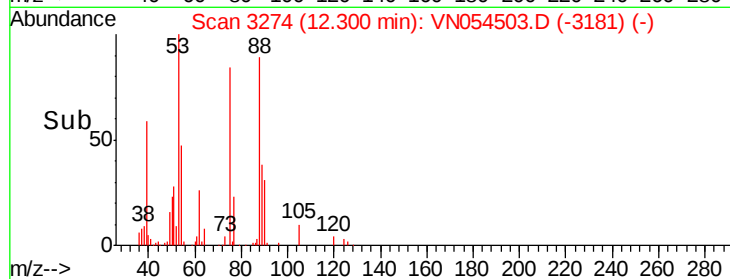
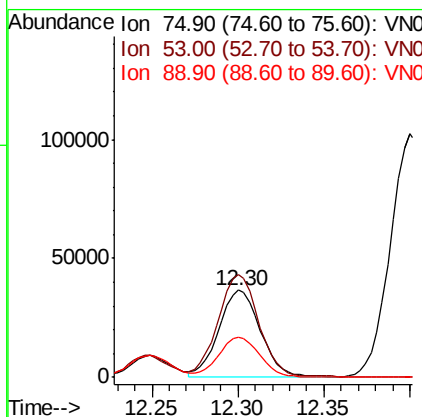
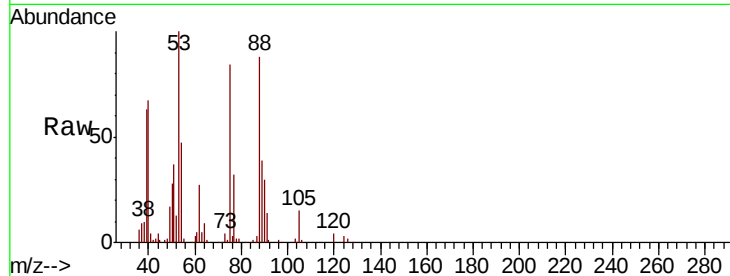
#81
trans-1,4-Dichloro-2-butene
Concen: 41.097 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054503.D
Acq: 21 Mar 2019 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	119.3	76.2	114.2#
89	46.1	39.2	58.8

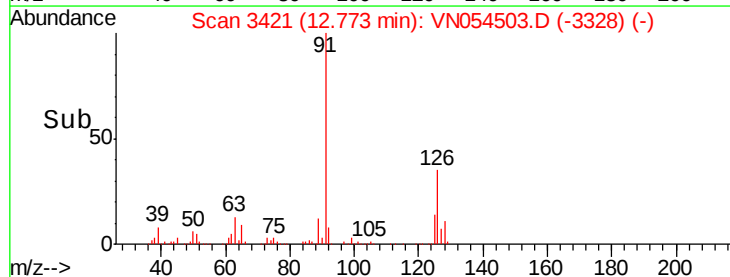
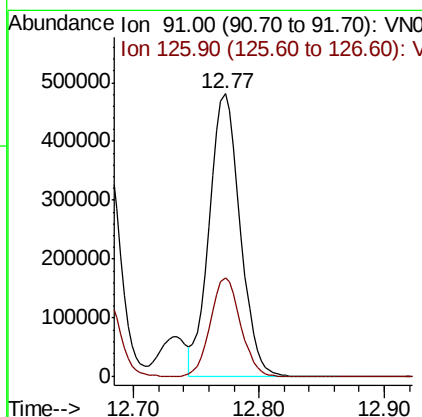
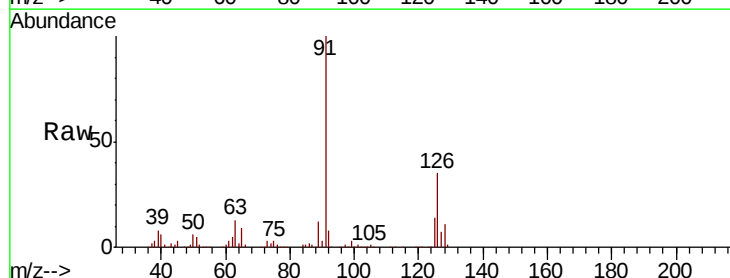
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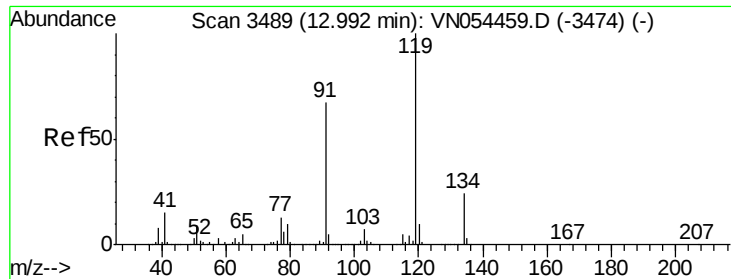
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#82
4-Chlorotoluene
Concen: 47.726 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054503.D
Acq: 21 Mar 2019 10:19

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.5	18.1	54.1





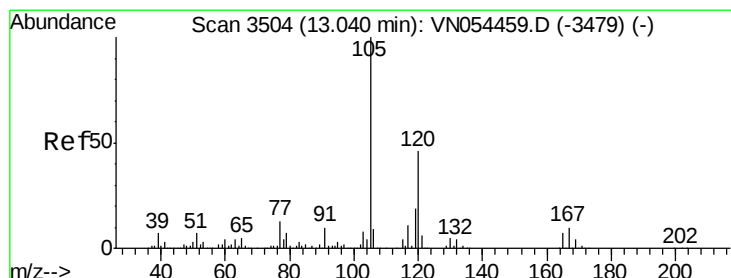
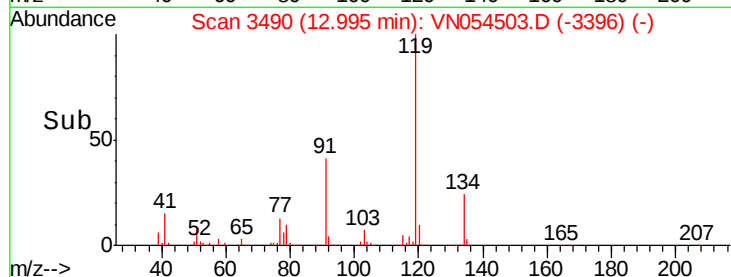
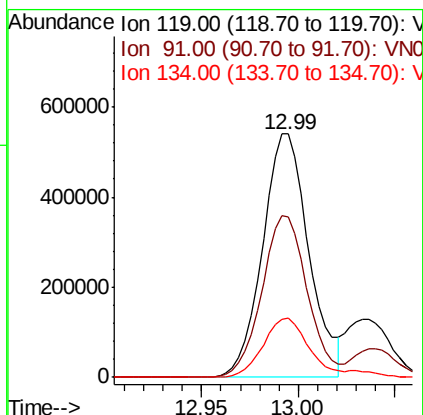
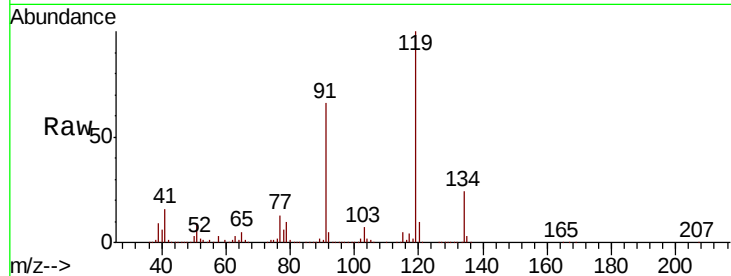
#83
tert-Butylbenzene
Concen: 48.152 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN054503.D
Acq: 21 Mar 2019 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	901177		
91	65.0	30.9	92.8	
134	24.0	13.2	39.6	

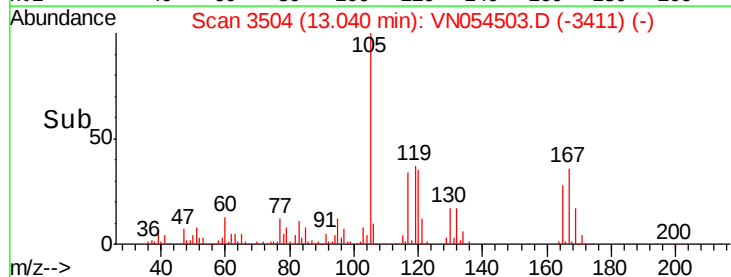
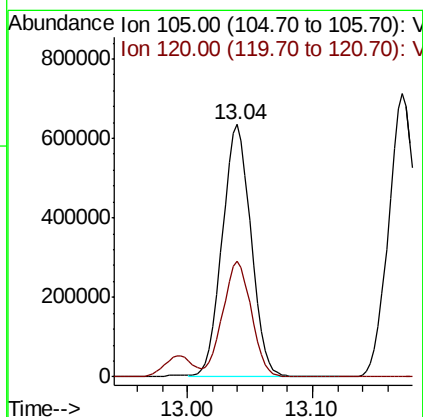
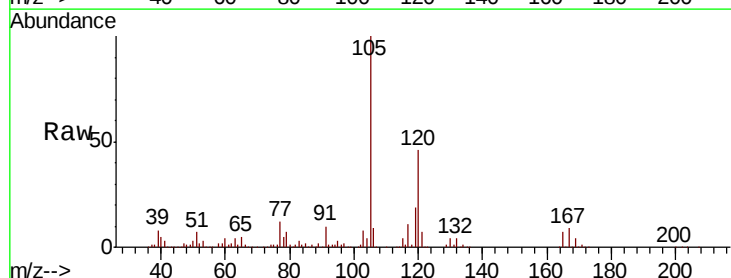
Manual Integrations
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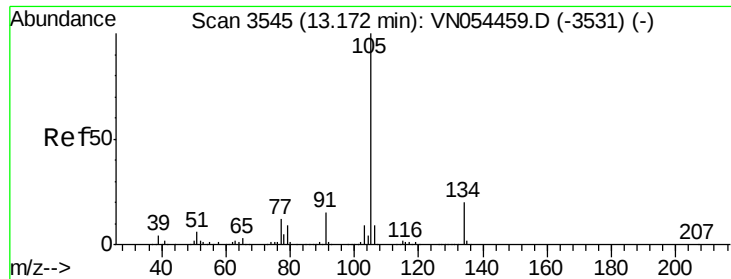
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 47.829 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054503.D
Acq: 21 Mar 2019 10:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1009035		
120	45.9	23.4	70.3	





#85

sec-Butylbenzene

Concen: 47.901 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054503.D

Acq: 21 Mar 2019 10:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1117529

Ion Ratio Lower Upper

105 100

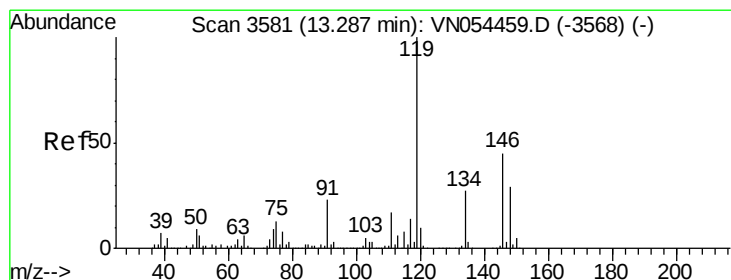
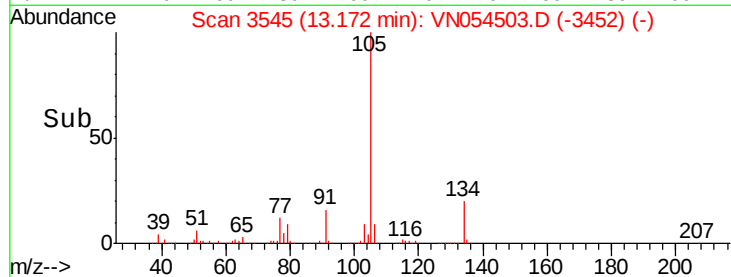
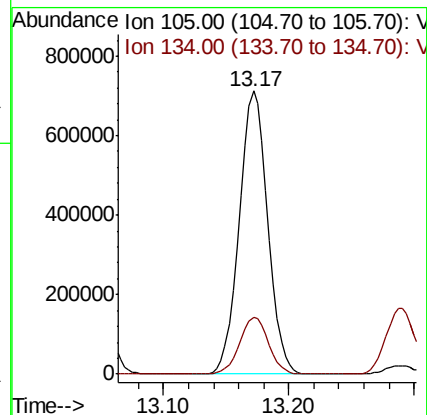
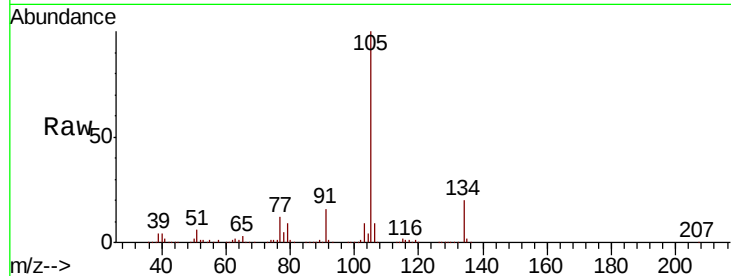
134 20.5 10.7 32.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 47.989 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054503.D

Acq: 21 Mar 2019 10:19

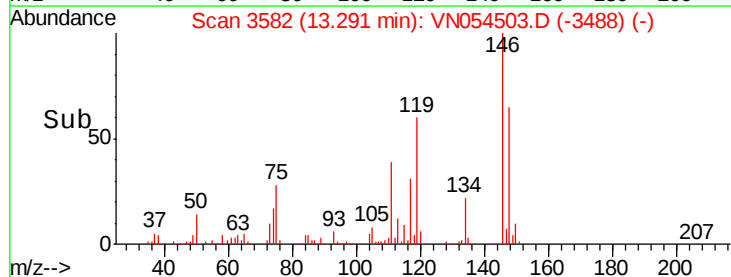
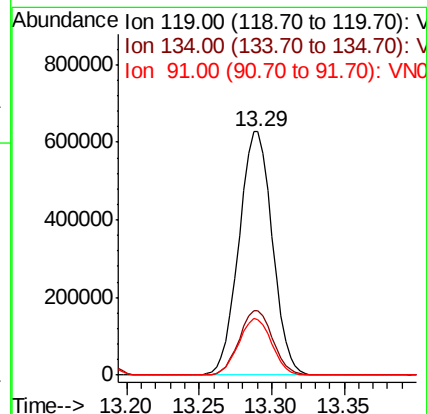
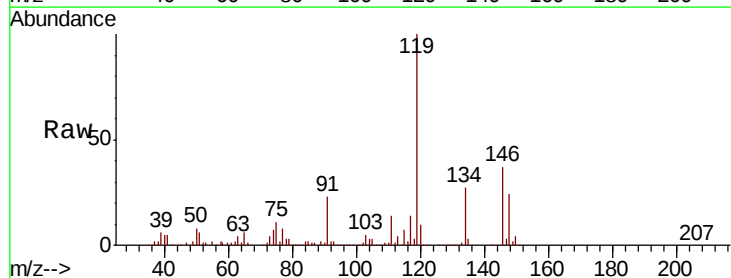
Tgt Ion:119 Resp: 1001633

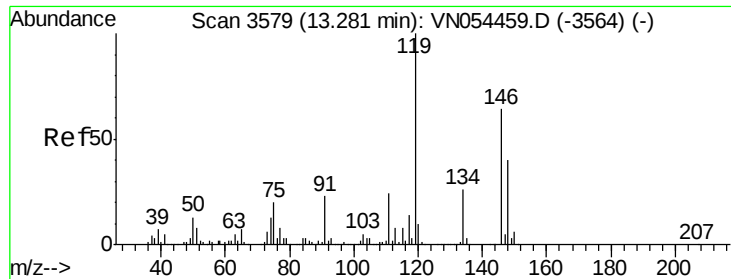
Ion Ratio Lower Upper

119 100

134 26.7 13.6 40.8

91 22.8 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 47.420 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN054503.D

Acq: 21 Mar 2019 10:19

Instrument :

MSVOA_N

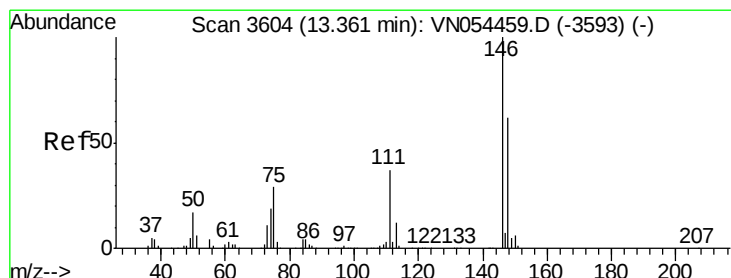
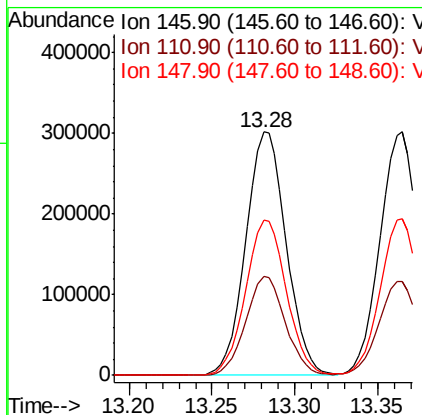
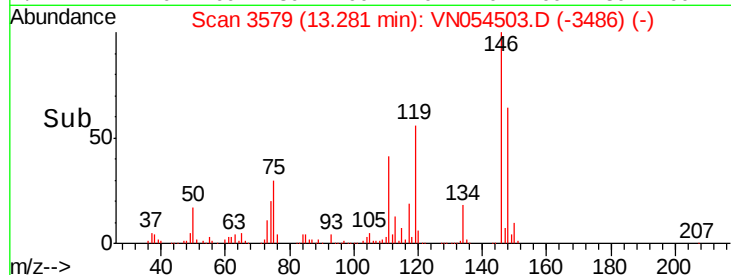
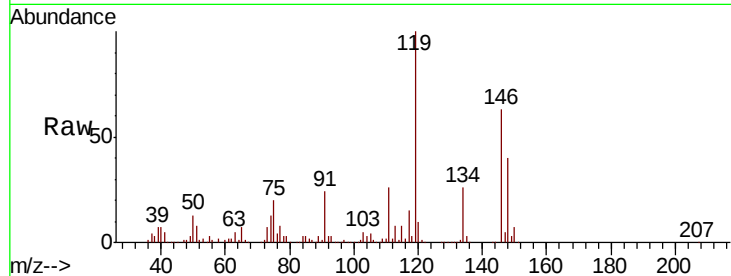
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	511282
Ion Ratio	Lower	Upper	
146	100		
111	39.8	18.8	56.3
148	64.4	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 47.188 ug/l

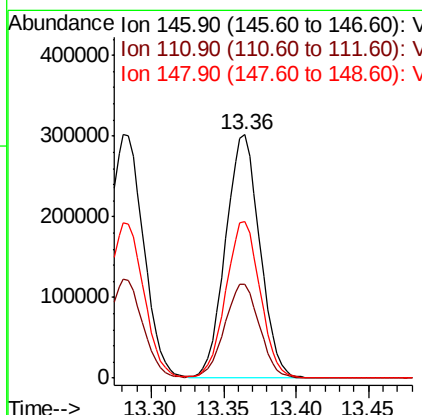
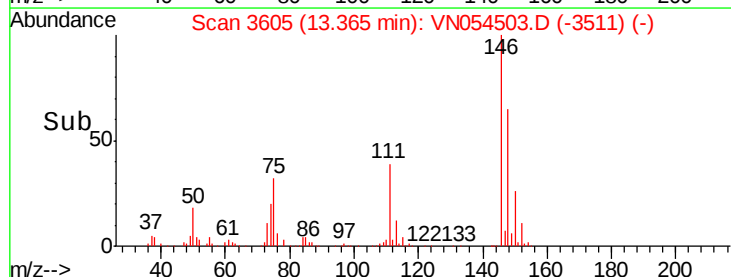
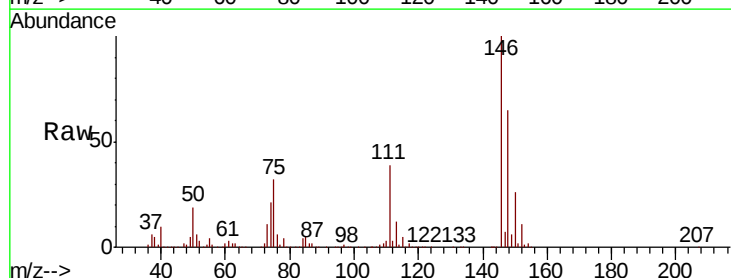
RT: 13.36 min Scan# 3605

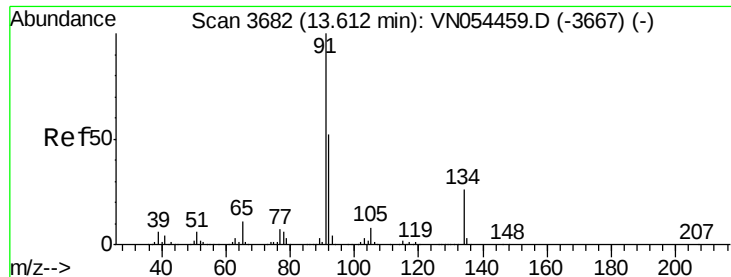
Delta R.T. 0.00 min

Lab File: VN054503.D

Acq: 21 Mar 2019 10:19

Tgt Ion:	146	Resp:	495022
Ion Ratio	Lower	Upper	
146	100		
111	39.4	18.1	54.1
148	64.5	32.0	96.0





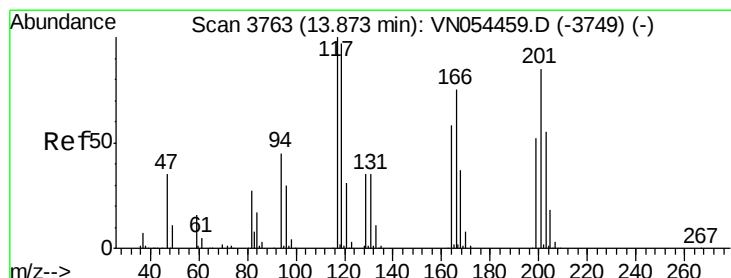
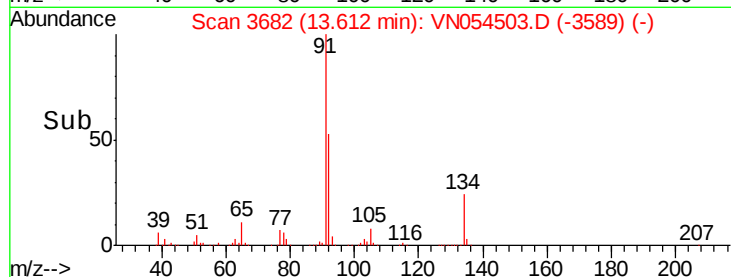
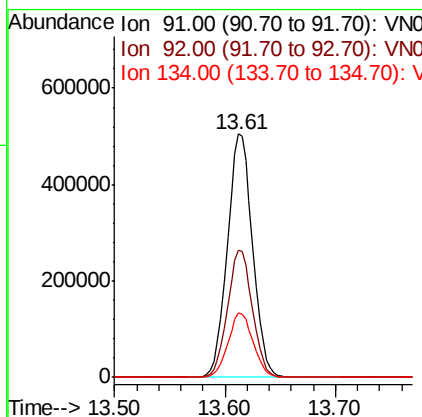
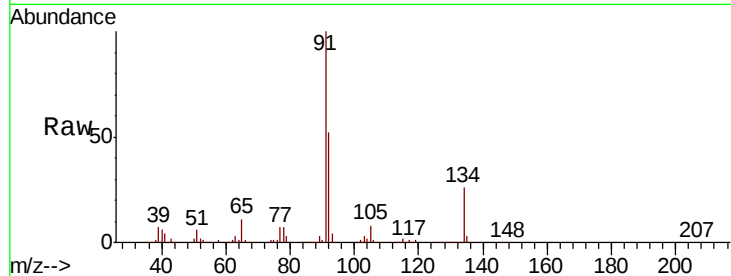
#89
n-Butylbenzene
Concen: 48.782 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054503.D
Acq: 21 Mar 2019 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.2	78.6
134	26.3	14.3	42.9

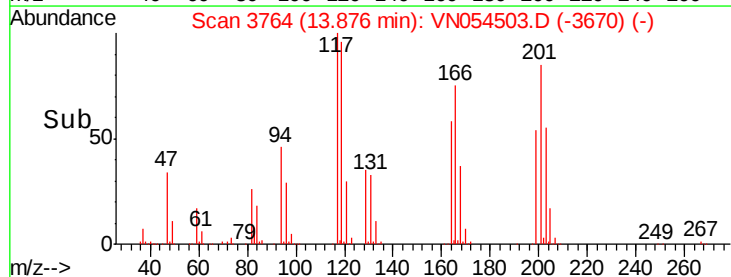
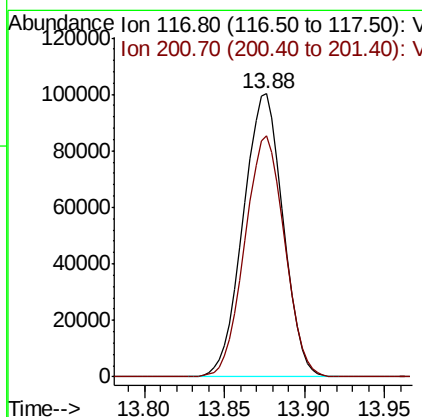
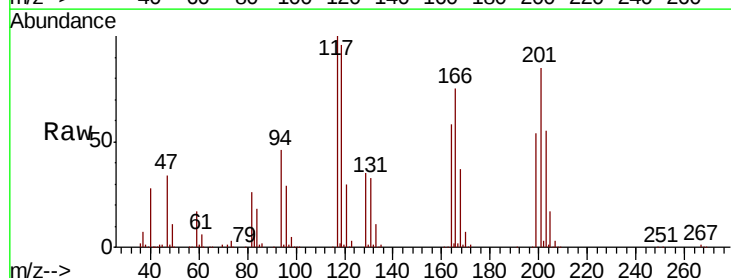
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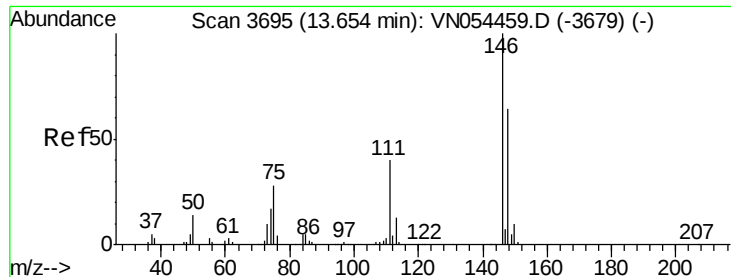
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3/22/2019 3:51:42 PM



#90
Hexachloroethane
Concen: 52.681 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054503.D
Acq: 21 Mar 2019 10:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.9	48.1	144.4





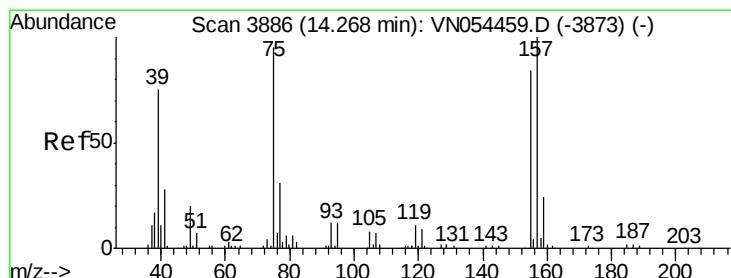
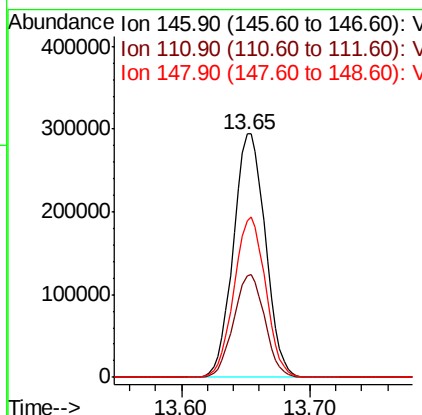
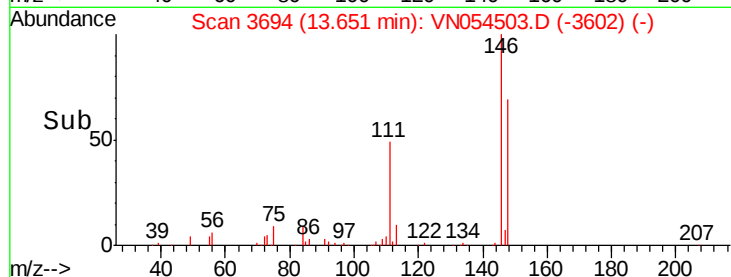
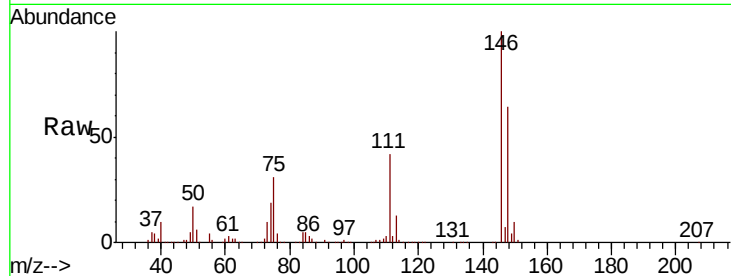
#91
 1,2-Dichlorobenzene
 Concen: 48.613 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN054503.D
 Acq: 21 Mar 2019 10:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	19.1	57.3
148	64.9	32.4	97.0

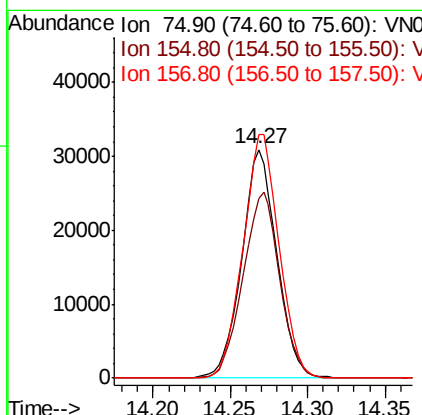
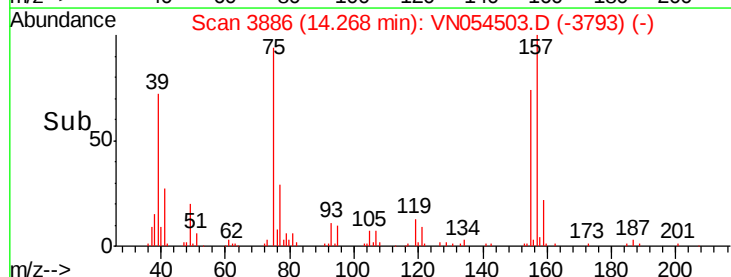
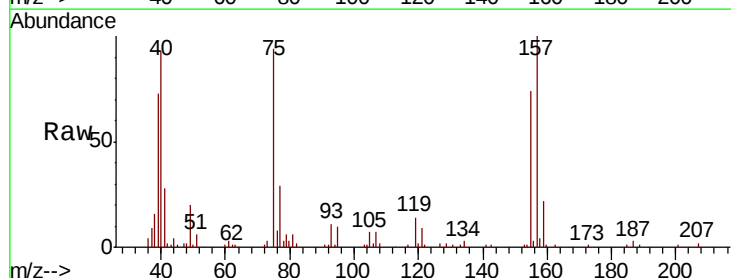
Manual Integrations
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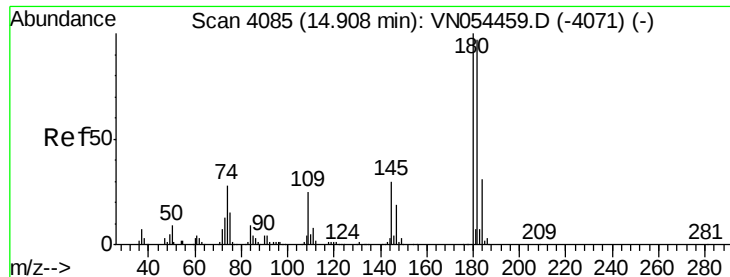
MMDadoda
 3/22/2019 3:51:42 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.629 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054503.D
 Acq: 21 Mar 2019 10:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.7	50.1	150.3
157	109.1	63.1	189.3





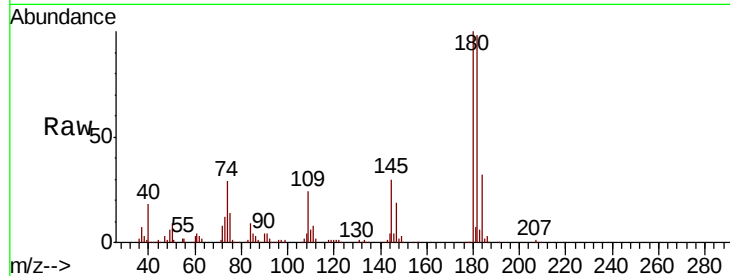
#93
 1,2,4-Trichlorobenzene
 Concen: 50.249 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054503.D
 Acq: 21 Mar 2019 10:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	261596		
182	96.0	48.0	144.2	
145	29.3	14.2	42.8	

Manual Integrations
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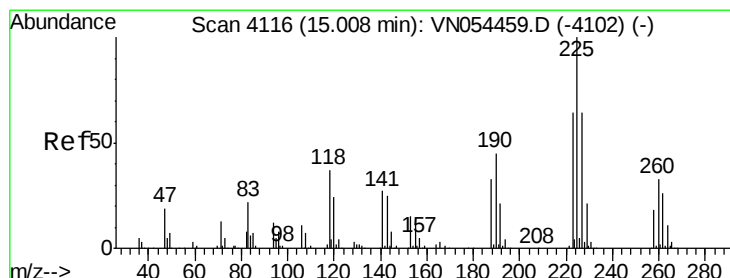
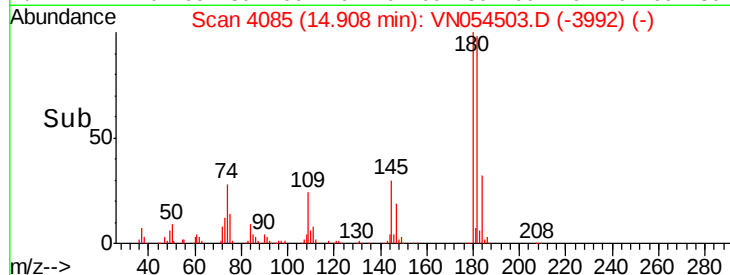
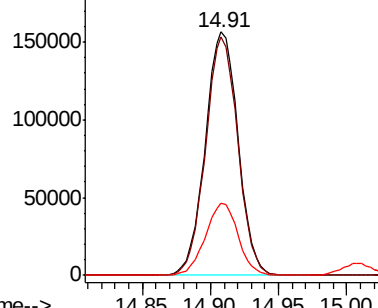


Abundance

Ion 179.80 (179.50 to 180.50): V

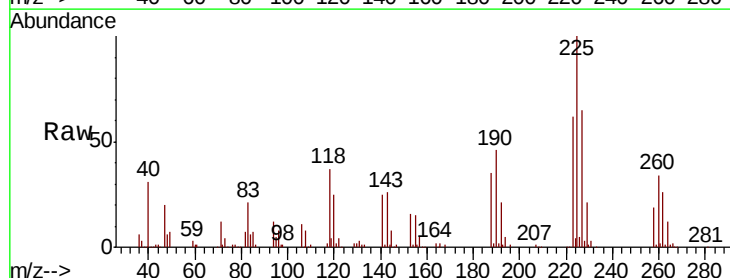
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 52.704 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054503.D
 Acq: 21 Mar 2019 10:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	153767		
223	61.9	31.1	93.5	
227	62.5	31.9	95.9	

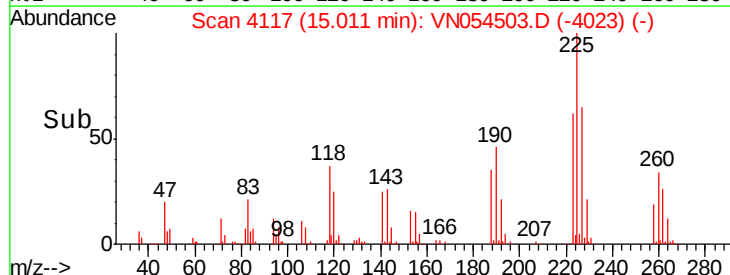
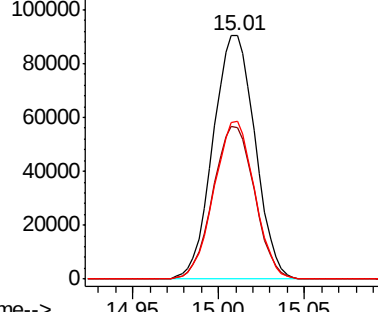


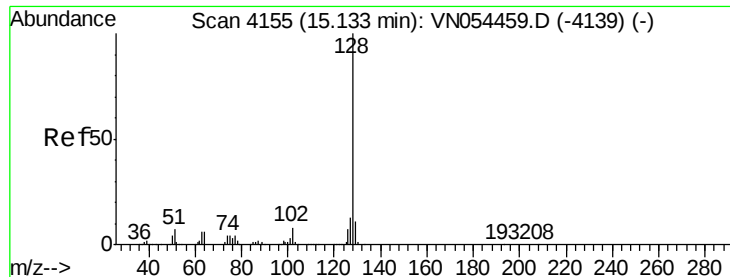
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 52.983 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054503.D

Acq: 21 Mar 2019 10:19

Instrument :

MSVOA_N

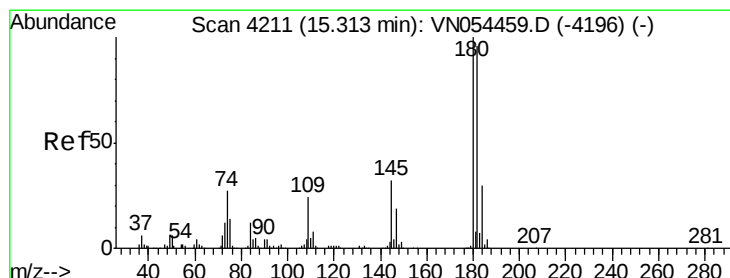
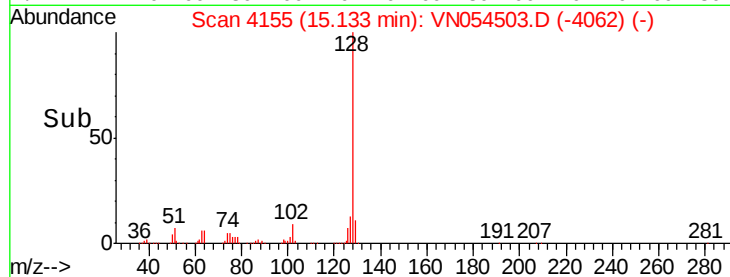
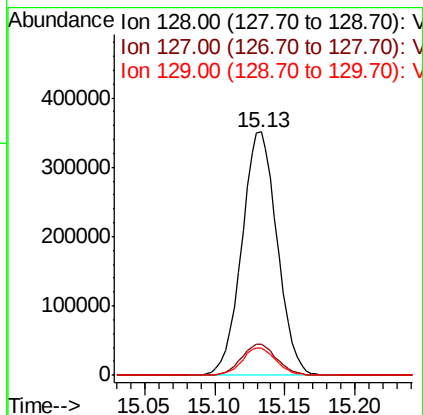
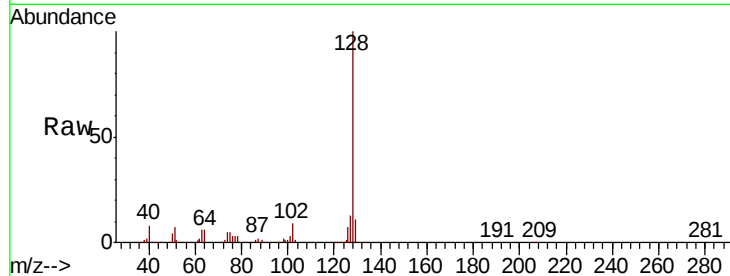
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	615251
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.1	15.1
129	11.0	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 52.012 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054503.D

Acq: 21 Mar 2019 10:19

Tgt Ion:	180	Resp:	269498
Ion Ratio	Lower	Upper	
180	100		
182	93.4	47.5	142.6
145	30.3	14.8	44.3

