

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032119\
 Data File : VN054526.D
 Acq On : 21 Mar 2019 22:07
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 4:15:42 PM

Quant Time: Mar 22 11:08:30 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	490639	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	817932	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	704628	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	304508	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	344823	56.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.00%	
35) Dibromofluoromethane	7.59	113	272209	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	
50) Toluene-d8	10.09	98	1004818	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
62) 4-Bromofluorobenzene	12.40	95	337486	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	243414	51.896	ug/l	100
3) Chloromethane	2.06	50	325747	51.044	ug/l	98
4) Vinyl Chloride	2.19	62	324180	50.597	ug/l	99
5) Bromomethane	2.57	94	148388	35.816	ug/l	97
6) Chloroethane	2.71	64	184144	47.916	ug/l	99
7) Trichlorofluoromethane	3.02	101	391211	50.278	ug/l	98
8) Diethyl Ether	3.41	74	143597	47.985	ug/l	70
9) 1,1,2-Trichlorotrifluoroet	3.75	101	206166	45.084	ug/l	95
10) Methyl Iodide	3.94	142	280106	41.641	ug/l	93
11) Tert butyl alcohol	4.82	59	106376	287.911	ug/l #	84
12) 1,1-Dichloroethene	3.73	96	218664	46.206	ug/l #	79
13) Acrolein	3.61	56	129107	253.211	ug/l	93
14) Allyl chloride	4.32	41	474968	53.299	ug/l #	91
15) Acrylonitrile	5.00	53	532325	289.315	ug/l	99
16) Acetone	3.82	43	392128	213.717	ug/l #	84
17) Carbon Disulfide	4.04	76	611122	48.196	ug/l	100
18) Methyl Acetate	4.33	43	232809	56.927	ug/l	91
19) Methyl tert-butyl Ether	5.06	73	757441	54.843	ug/l	96
20) Methylene Chloride	4.54	84	279259	51.632	ug/l #	84
21) trans-1,2-Dichloroethene	5.04	96	258440	53.482	ug/l	86
22) Diisopropyl ether	5.96	45	978813	55.685	ug/l	96
23) Vinyl Acetate	5.90	43	3650698	294.068	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	521347	55.085	ug/l	98
25) 2-Butanone	6.85	43	670403	285.233	ug/l	90
26) 2,2-Dichloropropane	6.82	77	322041	47.734	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	302043	52.403	ug/l	88
28) Bromochloromethane	7.20	49	266528	57.213	ug/l #	75
29) Tetrahydrofuran	7.22	42	460250	301.756	ug/l #	86
30) Chloroform	7.37	83	500888	54.230	ug/l	100
31) Cyclohexane	7.65	56	478233	52.839	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	417623	54.806	ug/l	96
36) 1,1-Dichloropropene	7.79	75	382381	49.999	ug/l	96
37) Ethyl Acetate	6.94	43	305299	56.128	ug/l	96
38) Carbon Tetrachloride	7.77	117	367659	49.471	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	407440	46.574	ug/l	89
40) Benzene	8.04	78	1118468	51.144	ug/l	99
41) Methacrylonitrile	7.18	41	176859	53.316	ug/l	88
42) 1,2-Dichloroethane	8.13	62	401506	50.414	ug/l	98
43) Isopropyl Acetate	8.17	43	510067	55.525	ug/l #	95
44) Trichloroethene	8.84	130	296329	48.738	ug/l	94
45) 1,2-Dichloropropane	9.12	63	311473	53.041	ug/l	99
46) Dibromomethane	9.21	93	182226	52.016	ug/l	91
47) Bromodichloromethane	9.40	83	384863	52.935	ug/l	96
48) Methyl methacrylate	9.20	41	266134	53.377	ug/l	88
49) 1,4-Dioxane	9.20	88	55518	996.015	ug/l #	83
51) 4-Methyl-2-Pentanone	9.99	43	1454996	285.794	ug/l	94
52) Toluene	10.16	92	658587	48.964	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	359407	47.001	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	443226	53.167	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	250213	51.751	ug/l	96
56) Ethyl methacrylate	10.43	69	358931	55.309	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	440468	52.407	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	707567	264.785	ug/l	90
59) 2-Hexanone	10.75	43	905432	272.276	ug/l	93
60) Dibromochloromethane	10.90	129	274798	53.412	ug/l	100
61) 1,2-Dibromoethane	11.01	107	249864	52.273	ug/l	100
64) Tetrachloroethene	10.63	164	271730	46.493	ug/l	97
65) Chlorobenzene	11.43	112	701628	48.958	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	270920	52.668	ug/l	100
67) Ethyl Benzene	11.51	91	1249238	49.347	ug/l	97
68) m/p-Xylenes	11.62	106	927754	96.754	ug/l	96
69) o-Xylene	11.95	106	454457	48.530	ug/l	97
70) Styrene	11.96	104	756627	49.755	ug/l	97
71) Bromoform	12.13	173	167641	47.392	ug/l #	100
73) Isopropylbenzene	12.25	105	1196042	48.743	ug/l	98
74) N-amyl acetate	12.07	43	404798	57.373	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	303158	54.122	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	279064m	57.752	ug/l	
77) Bromobenzene	12.53	156	300148	49.320	ug/l	86
78) n-propylbenzene	12.59	91	1305886	49.079	ug/l	97
79) 2-Chlorotoluene	12.67	91	803087	48.401	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	976579	48.560	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	65482	46.925	ug/l #	84
82) 4-Chlorotoluene	12.77	91	787545	48.966	ug/l	96
83) tert-Butylbenzene	12.99	119	852672	48.709	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	972164	49.265	ug/l	99
85) sec-Butylbenzene	13.17	105	1052029	48.209	ug/l	97
86) p-Isopropyltoluene	13.29	119	948311	48.573	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	493329	48.917	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	478900	48.806	ug/l	98
89) n-Butylbenzene	13.62	91	744877	48.794	ug/l	98
90) Hexachloroethane	13.88	117	157425	51.947	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	490922	50.257	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	47720	58.082	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	245608	50.438	ug/l	99
94) Hexachlorobutadiene	15.01	225	134251	49.021	ug/l	99
95) Naphthalene	15.13	128	574936	52.932	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	247529	51.073	ug/l	99

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

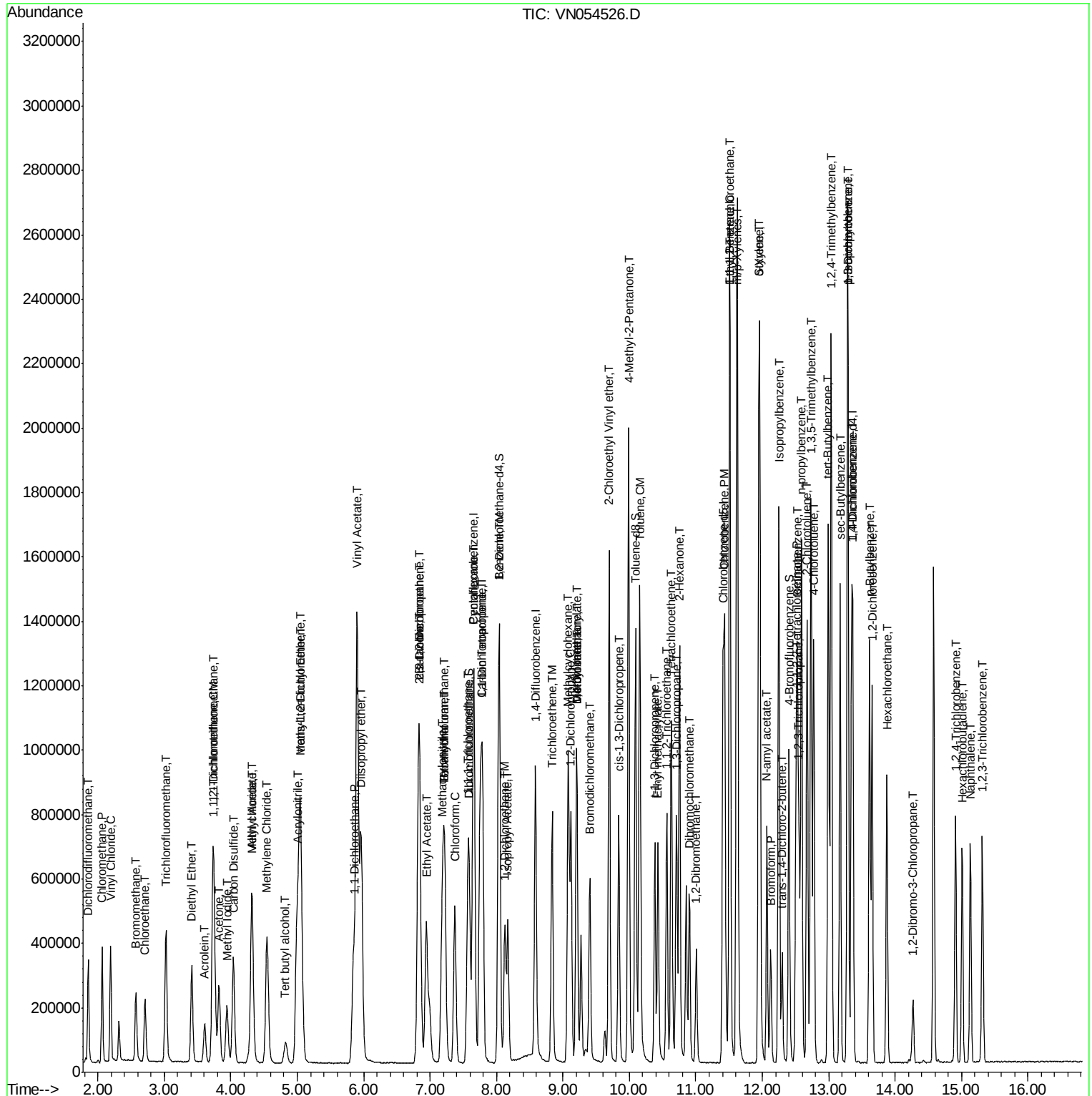
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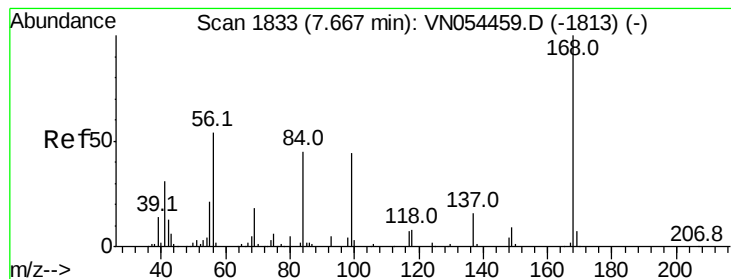
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 490639

Ion Ratio Lower Upper

168 100

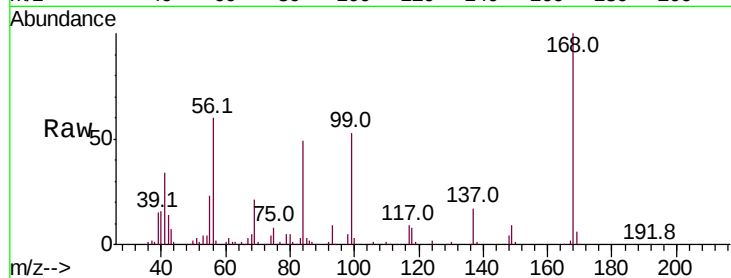
99 52.3 37.1 55.7

Manual Integrations

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3/22/2019 4:15:42 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

200000

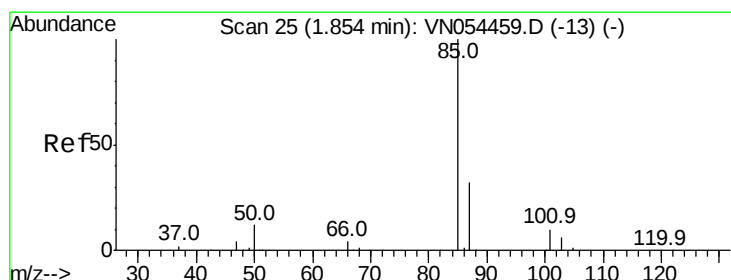
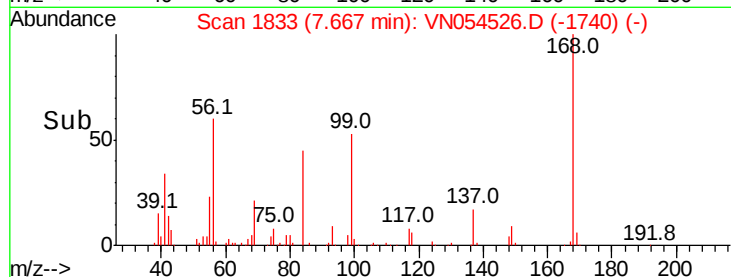
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#2

Dichlorodifluoromethane

Concen: 51.896 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054526.D

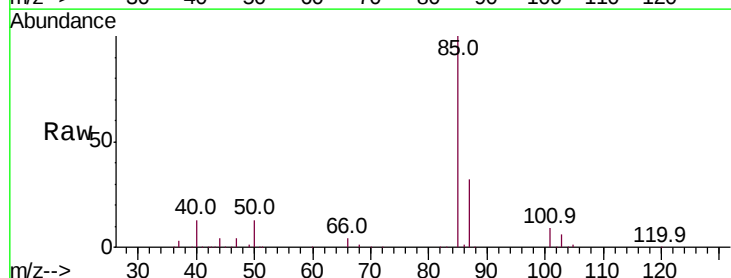
Acq: 21 Mar 2019 22:07

Tgt Ion: 85 Resp: 243414

Ion Ratio Lower Upper

85 100

87 31.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

200000

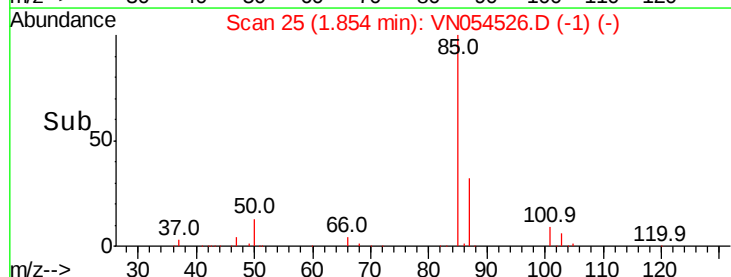
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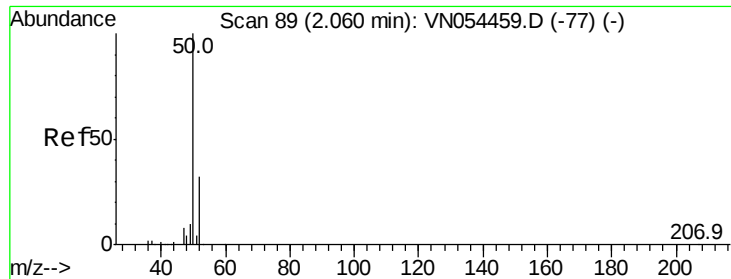
100000

50000

0

Time--> 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 51.044 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 325747

Ion Ratio Lower Upper

50 100

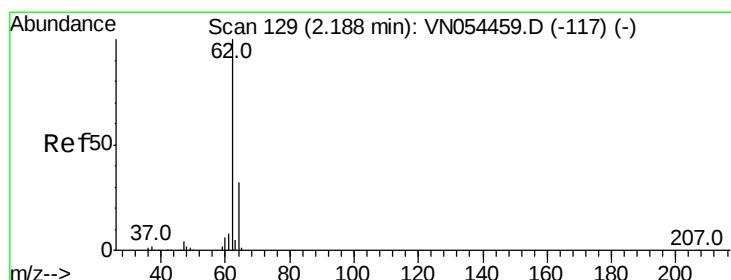
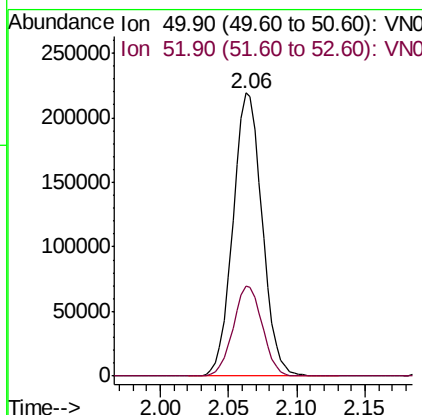
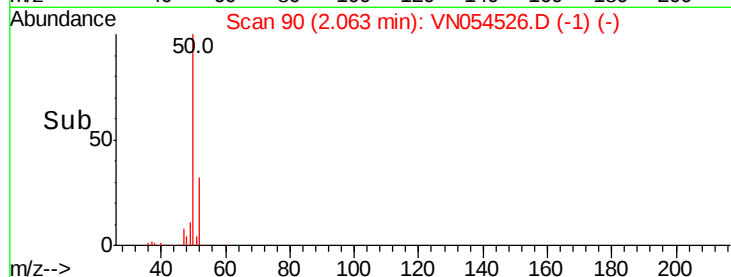
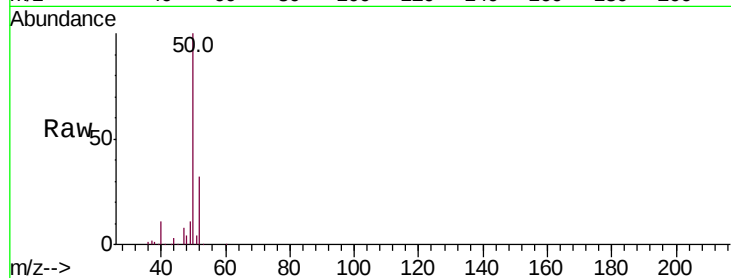
52 32.0 26.4 39.6

Manual Integrations

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3/22/2019 4:15:42 PM



#4

Vinyl Chloride

Concen: 50.597 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054526.D

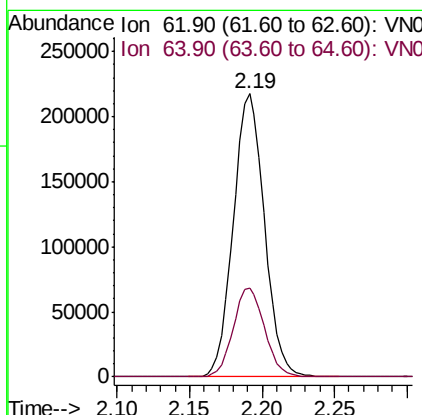
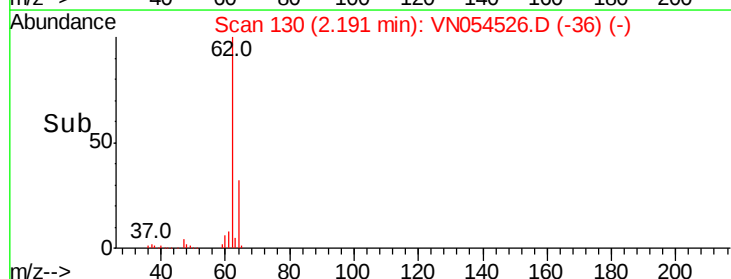
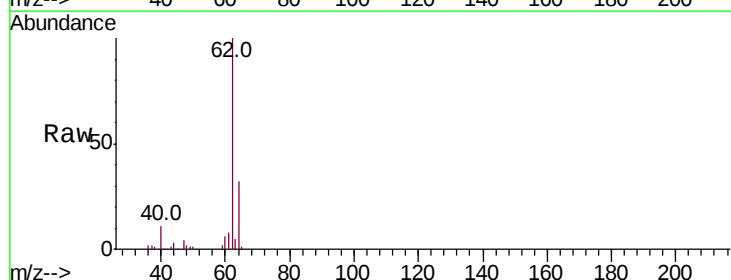
Acq: 21 Mar 2019 22:07

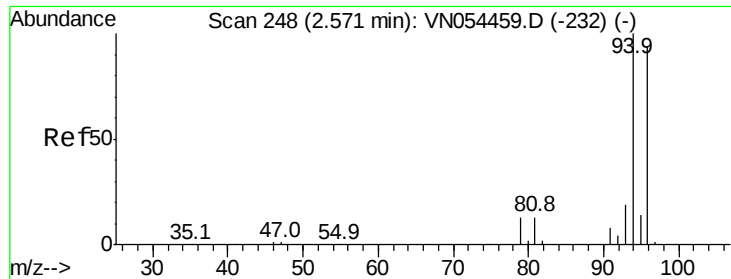
Tgt Ion: 62 Resp: 324180

Ion Ratio Lower Upper

62 100

64 31.6 25.5 38.3





#5

Bromomethane

Concen: 35.816 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Instrument :

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Tot Ion: 94 Resp: 148388

Ion Ratio Lower Upper

94 100

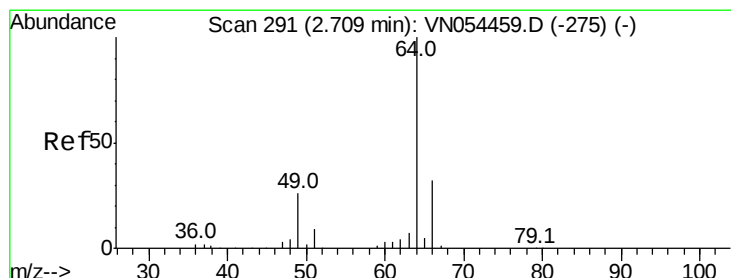
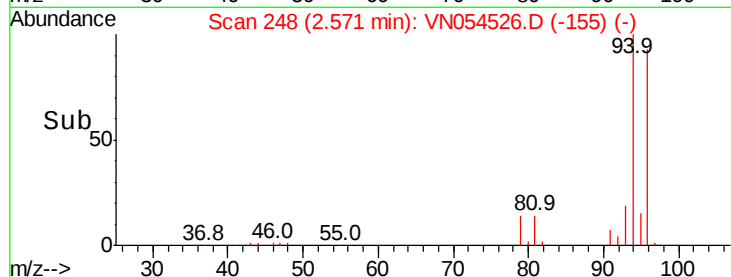
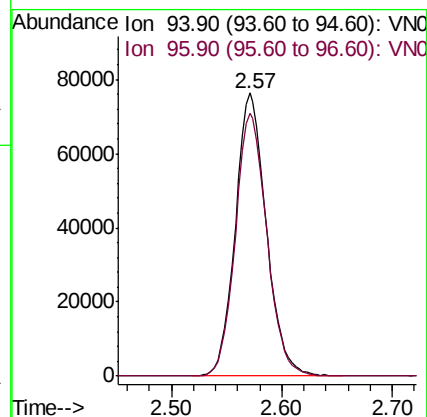
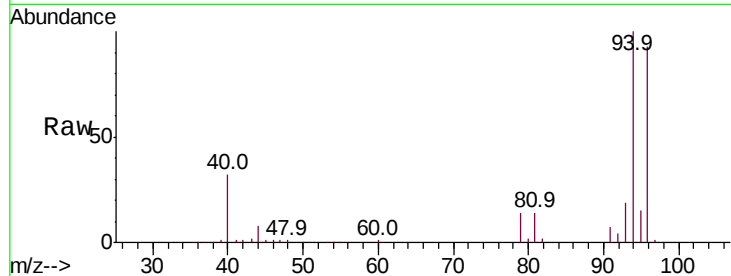
96 93.1 77.0 115.4

Manual Integrations

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3/22/2019 4:15:42 PM



#6

Chloroethane

Concen: 47.916 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054526.D

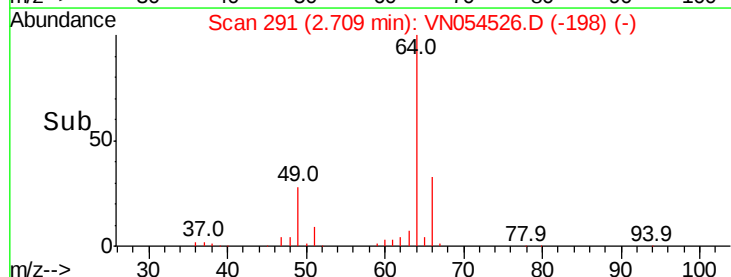
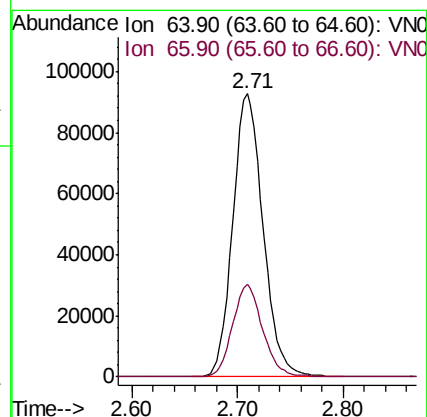
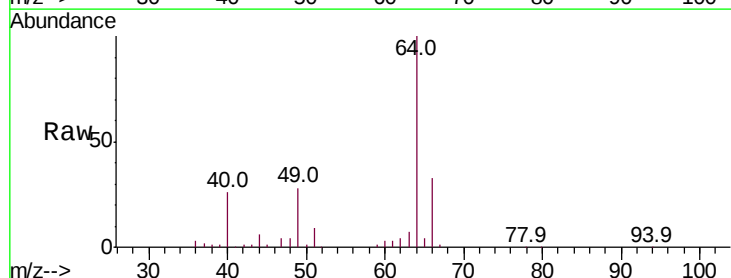
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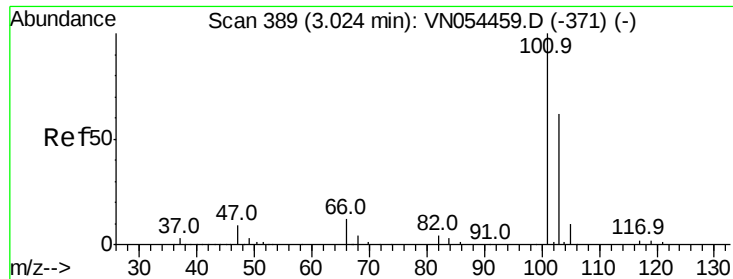
Tgt Ion: 64 Resp: 184144

Ion Ratio Lower Upper

64 100

66 32.9 25.7 38.5





#7

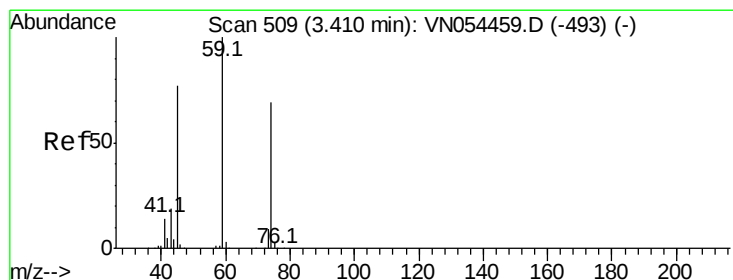
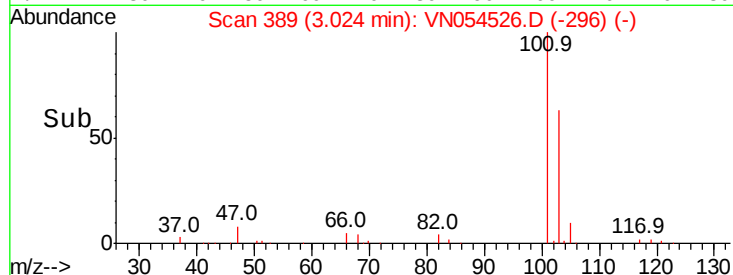
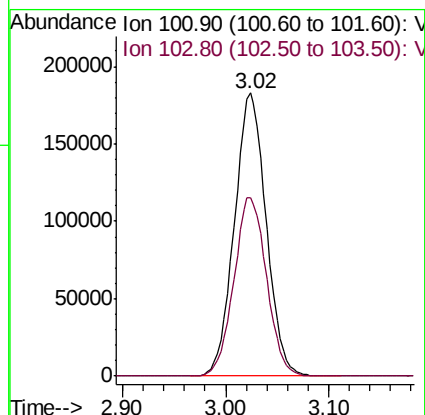
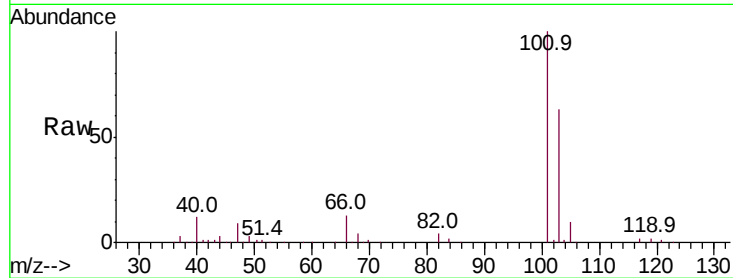
Trichlorofluoromethane
Concen: 50.278 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN054526.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	51.4	77.2

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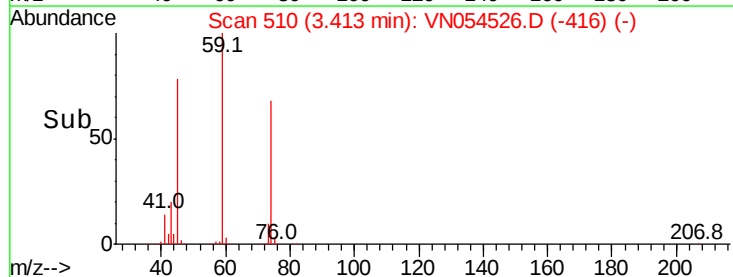
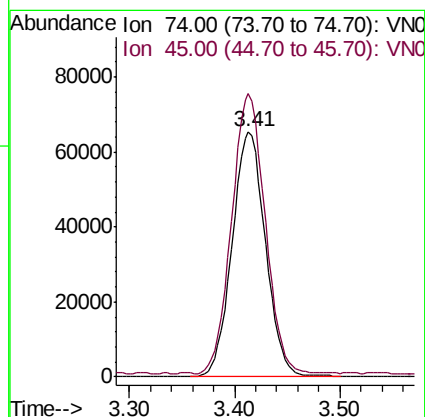
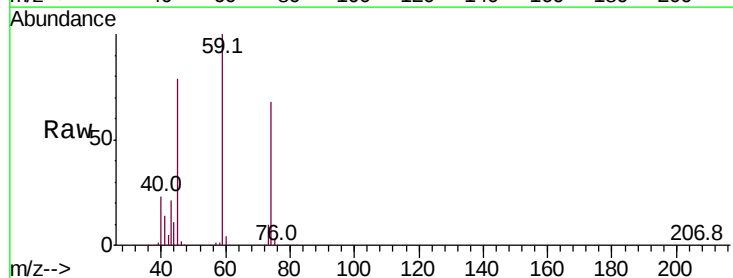
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3/22/2019 4:15:42 PM

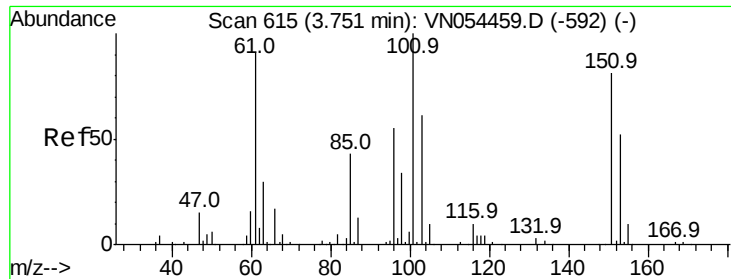


#8

Diethyl Ether
Concen: 47.985 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054526.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	114.2	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.084 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Instrument :

MSVOA_N

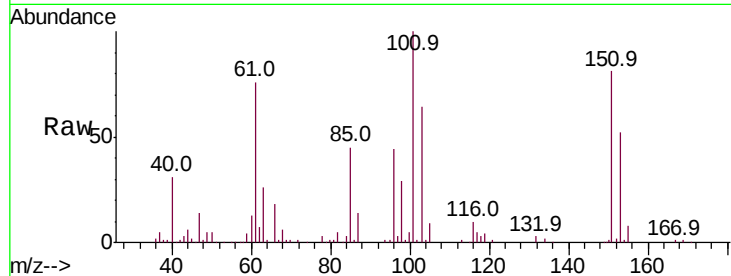
ClientSampleId :

VSTDCCC050EC

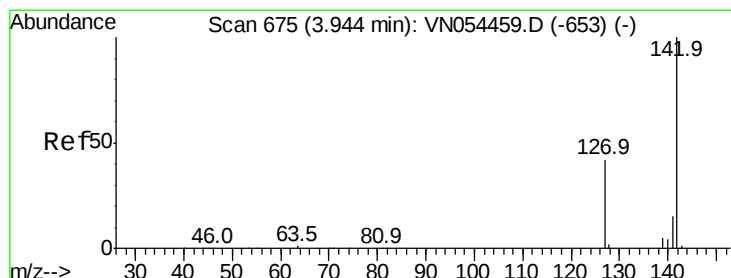
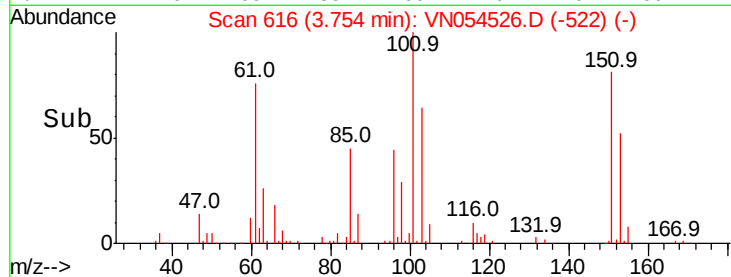
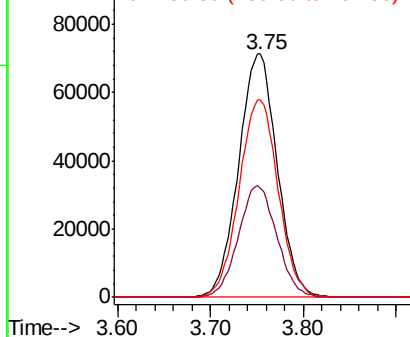
Tot Ion:	101	Resp:	206166
Ion Ratio	Lower	Upper	
101	100		
85	45.7	32.4	48.6
151	82.0	68.2	102.2

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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: 41.641 ug/l

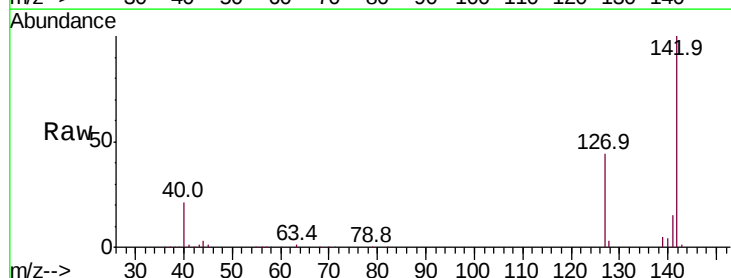
RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

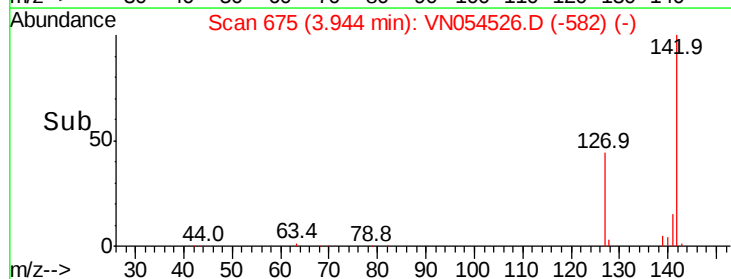
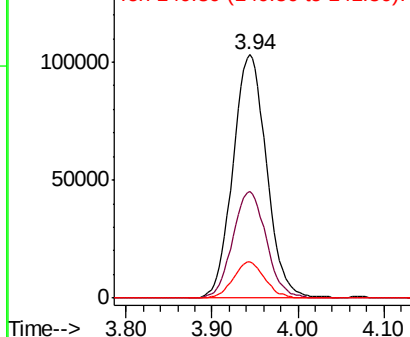
Lab File: VN054526.D

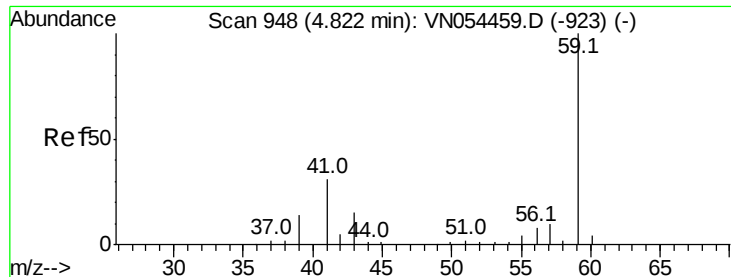
Acq: 21 Mar 2019 22:07

Tgt Ion:	142	Resp:	280106
Ion Ratio	Lower	Upper	
142	100		
127	43.8	30.3	45.5
141	14.1	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





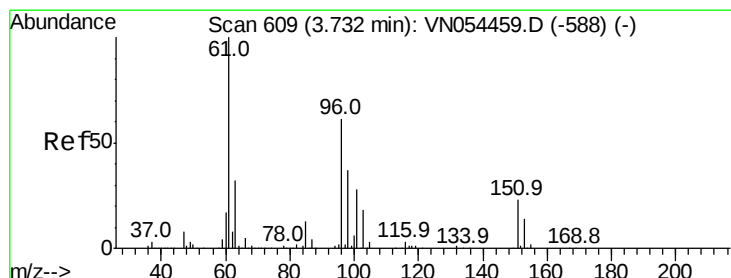
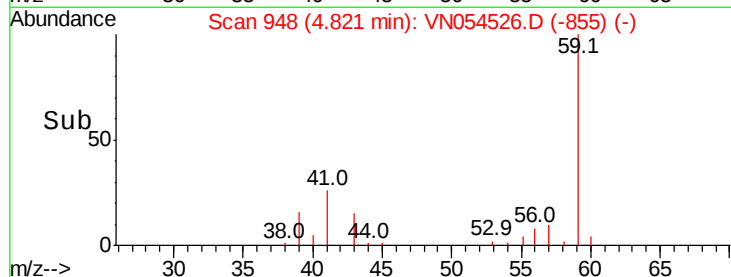
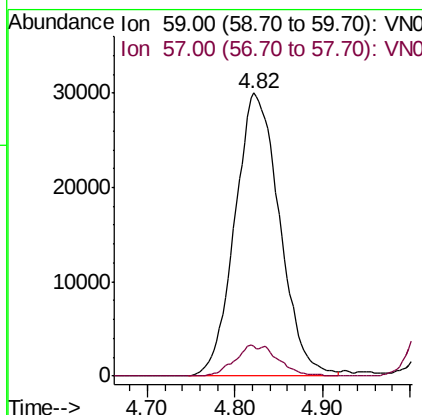
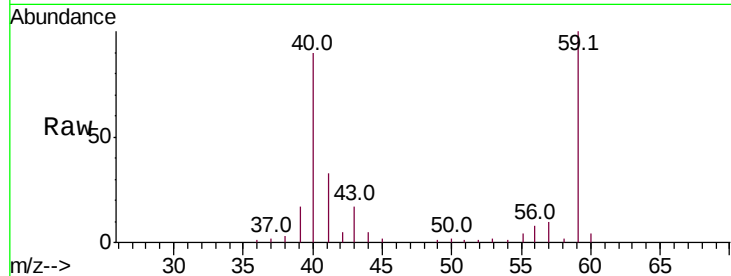
#11
Tert butyl alcohol
Concen: 287.911 ug/l
RT: 4.82 min Scan# 948
Delta R.T. 0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.3	9.0	13.6#

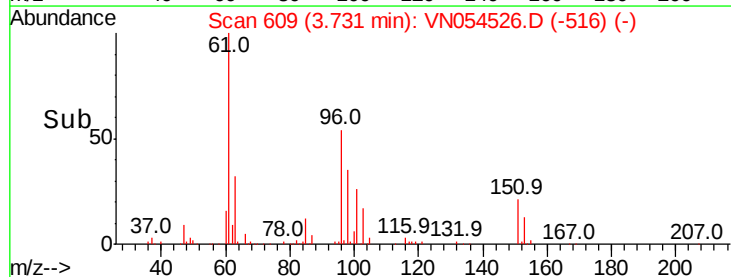
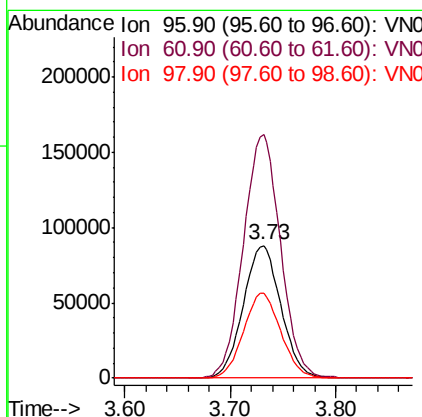
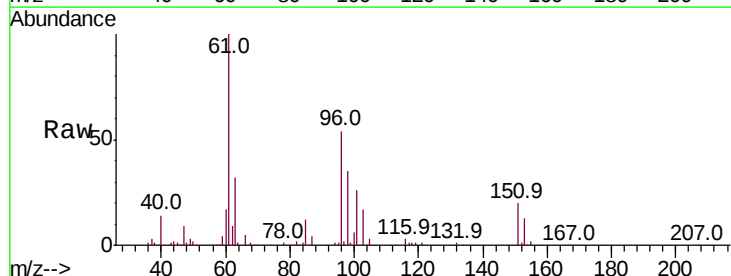
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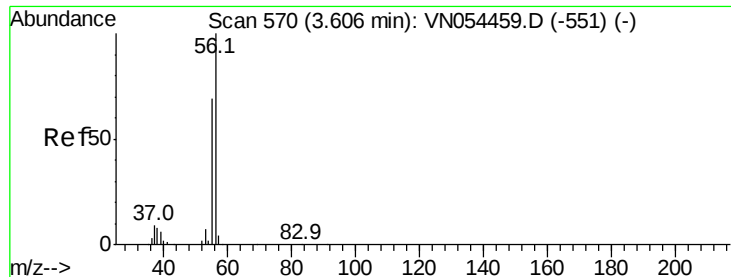
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#12
1,1-Dichloroethene
Concen: 46.206 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.7	116.5	174.7#
98	63.9	51.0	76.4





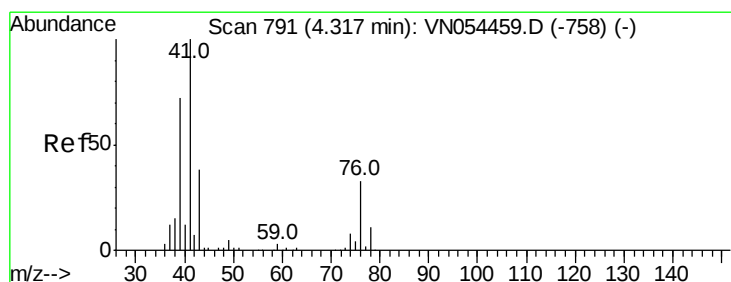
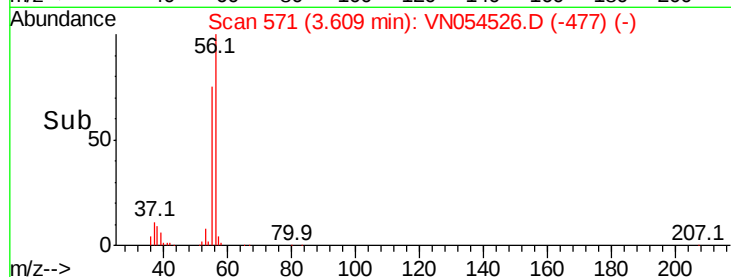
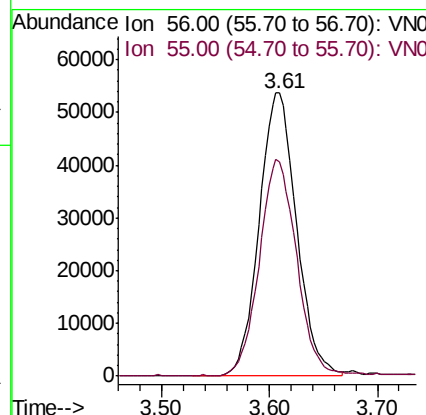
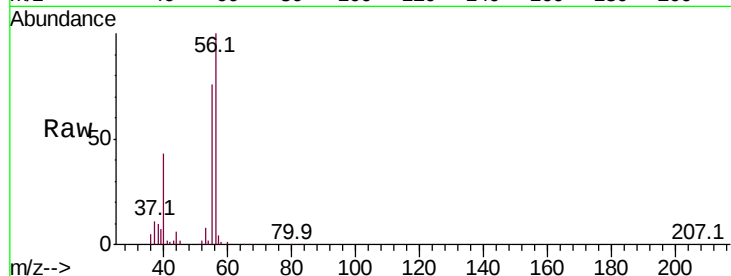
#13
Acrolein
Concen: 253.211 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 129107
Ion Ratio Lower Upper
56 100
55 76.9 56.7 85.1

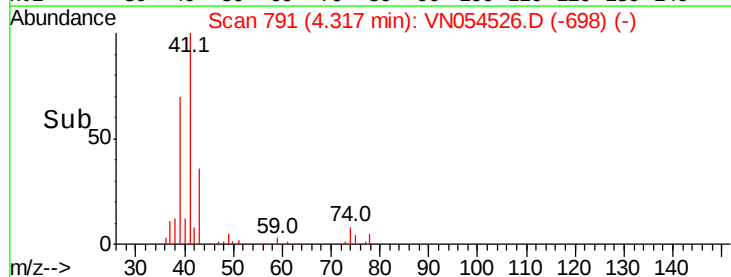
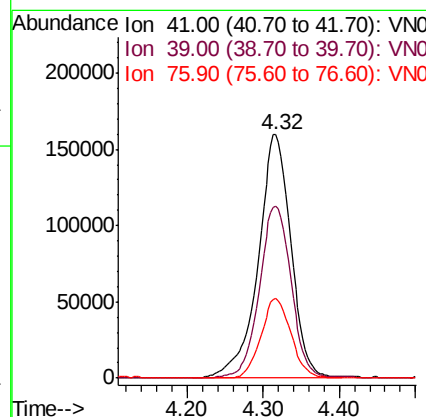
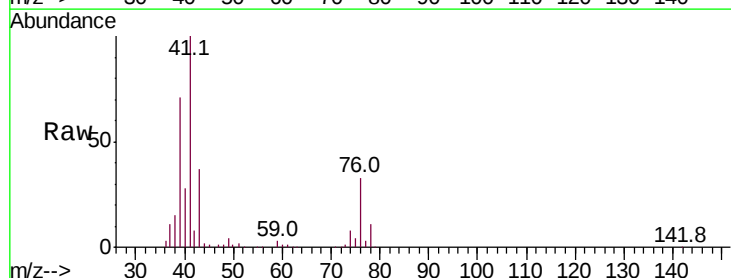
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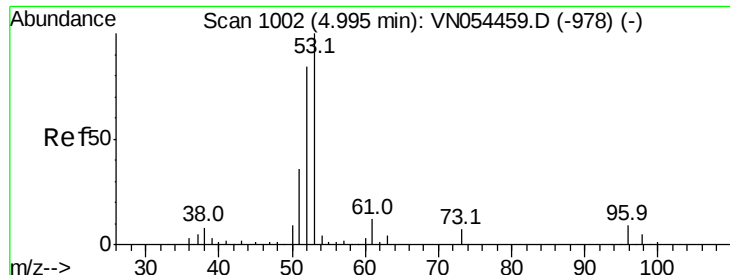
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#14
Allyl chloride
Concen: 53.299 ug/l
RT: 4.32 min Scan# 791
Delta R.T. -0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Tgt Ion: 41 Resp: 474968
Ion Ratio Lower Upper
41 100
39 68.4 58.2 87.4
76 30.1 31.7 47.5#





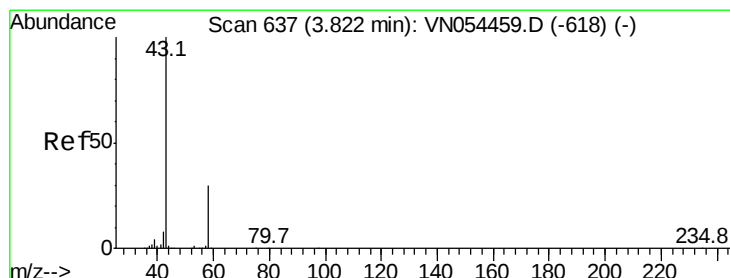
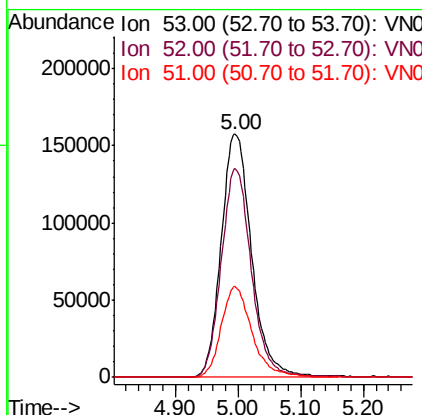
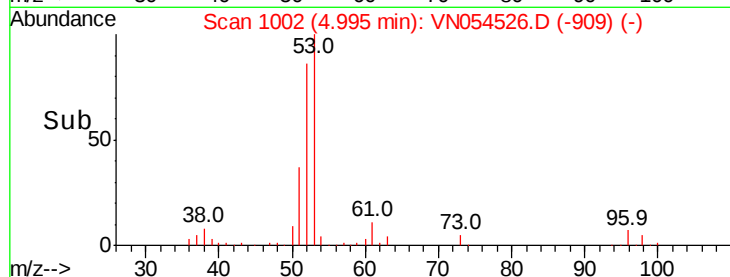
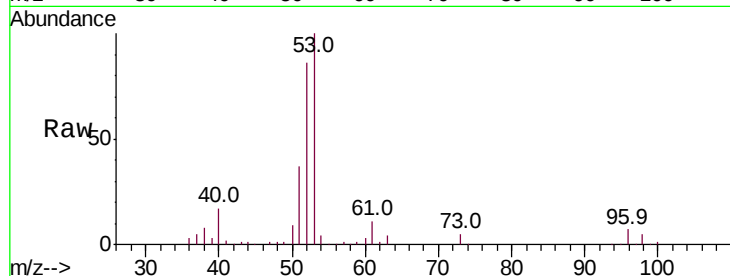
#15
 Acrylonitrile
 Concen: 289.315 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. -0.00 min
 Lab File: VN054526.D
 Acq: 21 Mar 2019 22:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	84.2	66.4	99.6
51	37.6	29.6	44.4

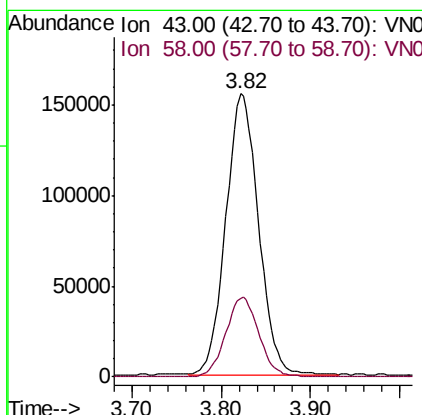
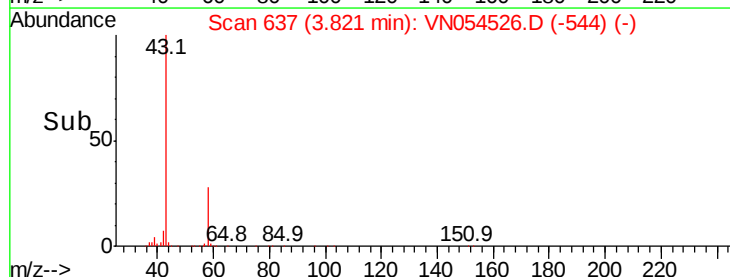
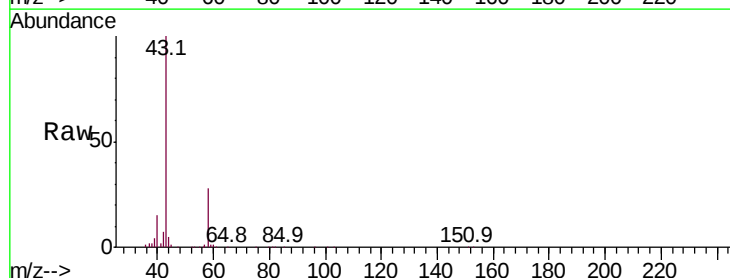
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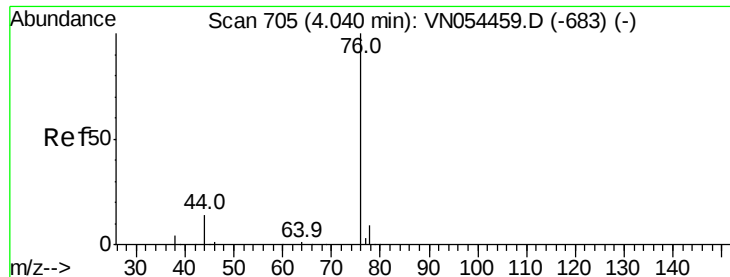
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#16
 Acetone
 Concen: 213.717 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. -0.00 min
 Lab File: VN054526.D
 Acq: 21 Mar 2019 22:07

Tgt Ion	Ratio	Lower	Upper
43	100		
58	27.9	29.9	44.9#





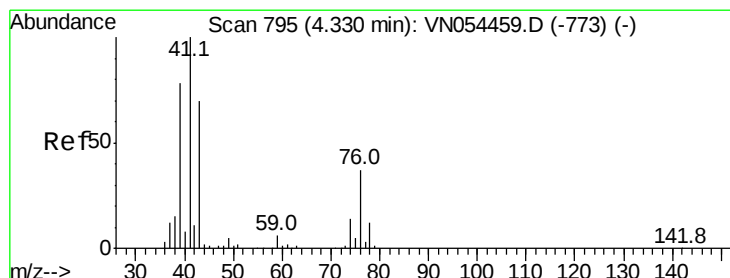
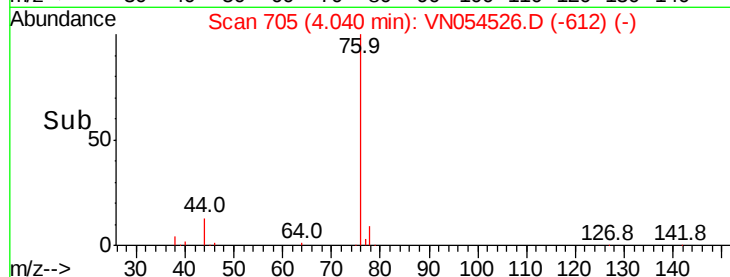
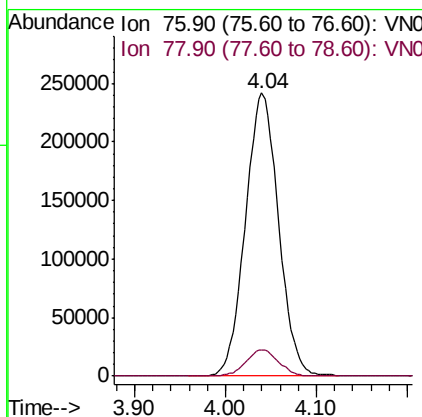
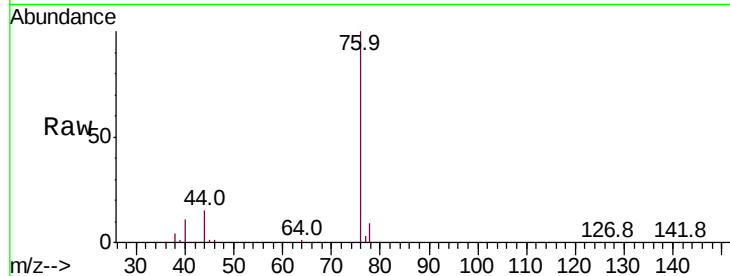
#17
Carbon Disulfide
Concen: 48.196 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.5	11.3

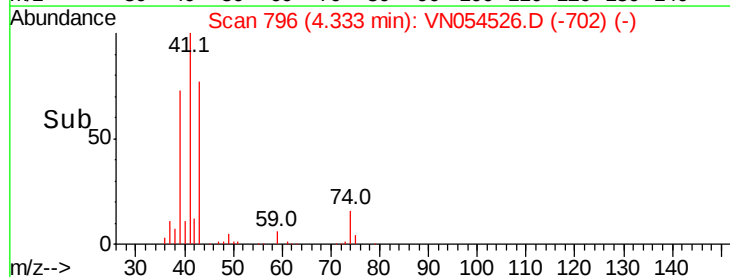
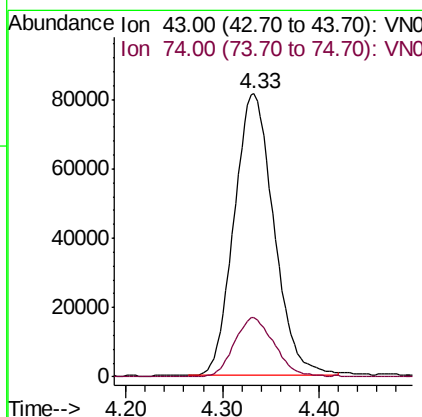
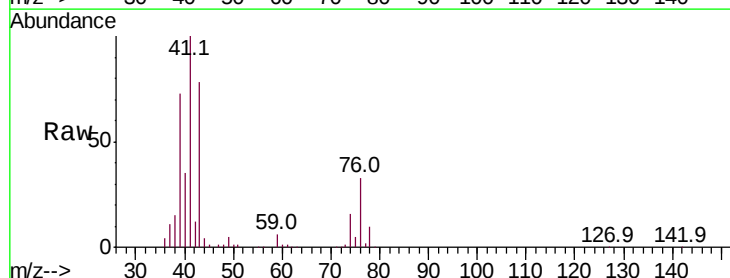
Manual Integrations
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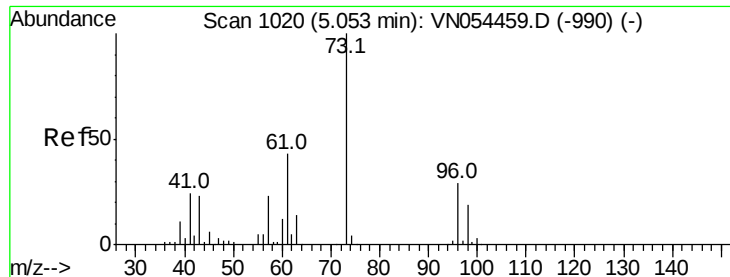
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#18
Methyl Acetate
Concen: 56.927 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.2	20.8	31.2





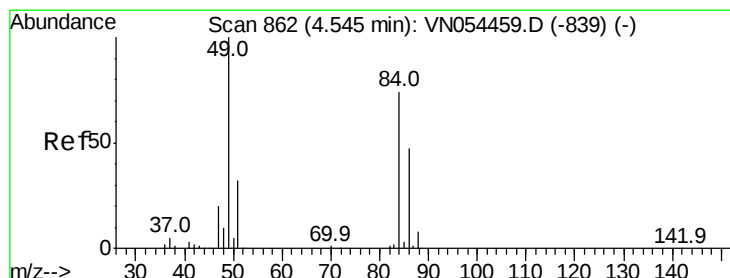
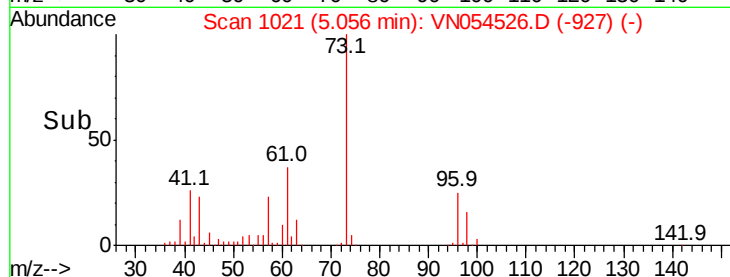
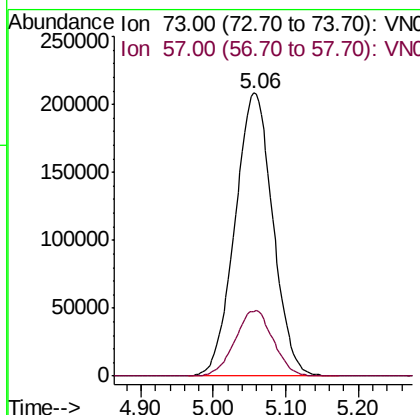
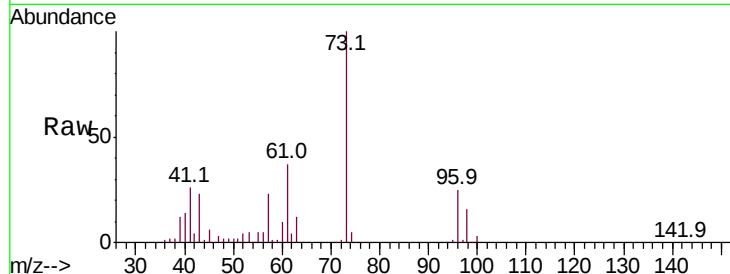
#19
Methvl tert-butvl Ether
Concen: 54.843 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 757441
Ion Ratio Lower Upper
73 100
57 23.0 16.8 25.2

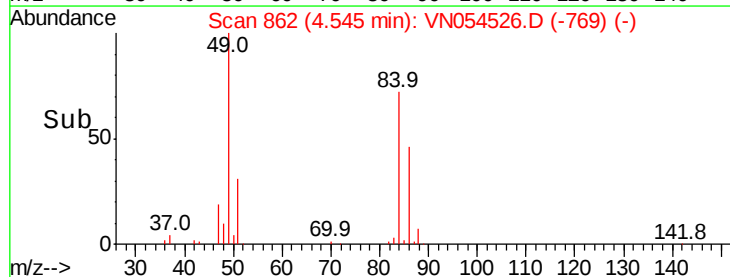
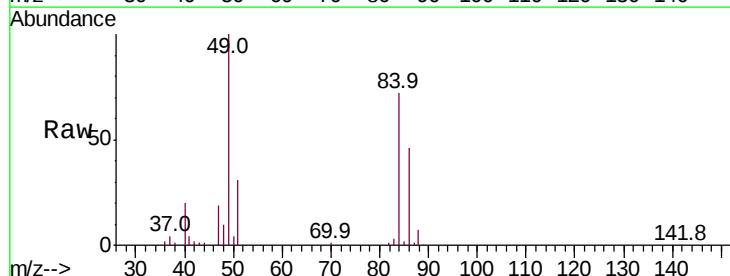
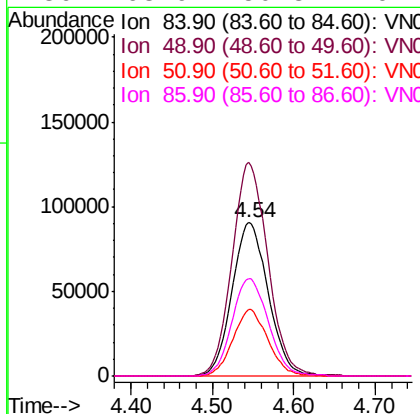
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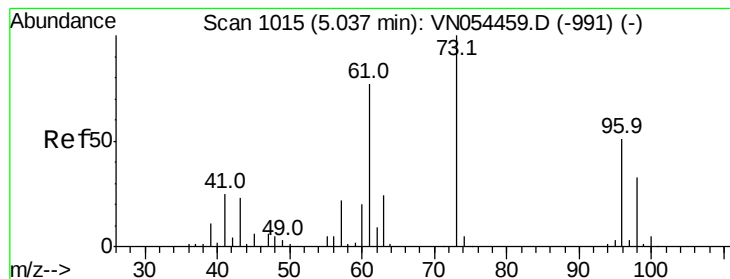
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#20
Methylene Chloride
Concen: 51.632 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Tgt Ion: 84 Resp: 279259
Ion Ratio Lower Upper
84 100
49 139.4 89.7 134.5#
51 43.4 28.2 42.4#
86 63.9 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 53.482 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 258440

Ion Ratio Lower Upper

96 100

61 151.5 102.8 154.2

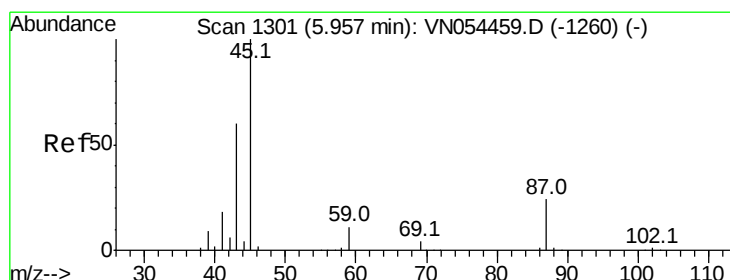
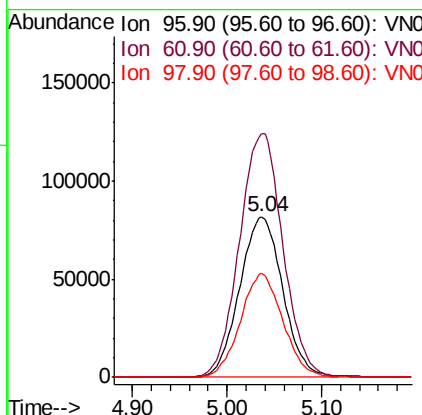
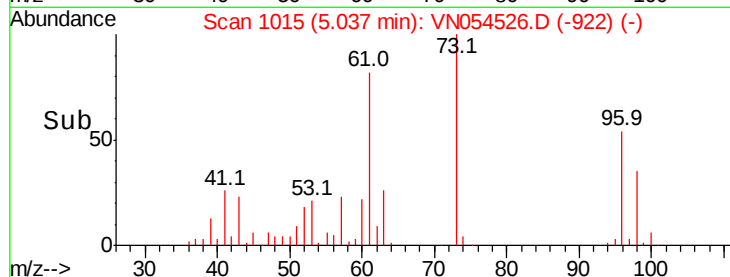
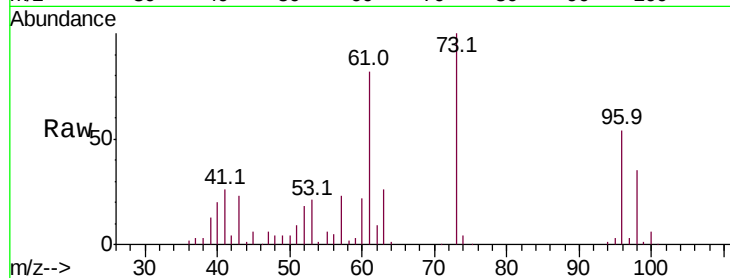
98 64.5 50.0 75.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 55.685 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Tgt Ion: 45 Resp: 978813

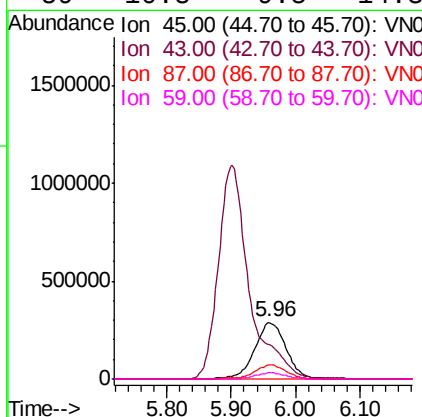
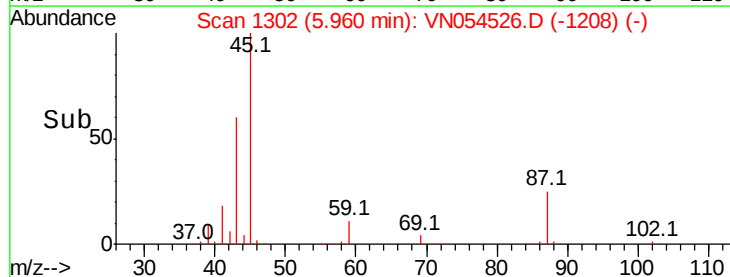
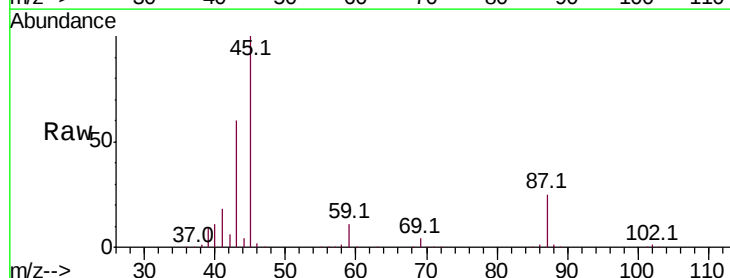
Ion Ratio Lower Upper

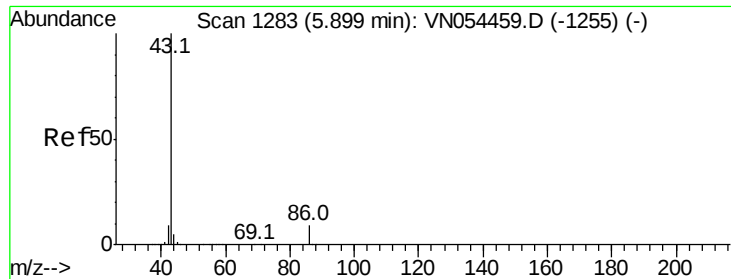
45 100

43 59.9 48.2 72.2

87 24.9 24.9 37.3

59 10.8 9.5 14.3





#23

Vinyl Acetate

Concen: 294.068 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3650698

Ion Ratio Lower Upper

43 100

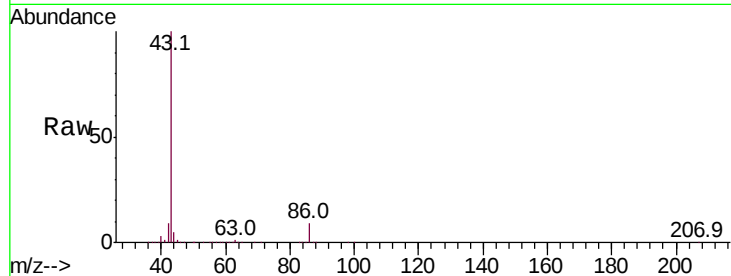
86 8.8 9.1 13.7#

Manual Integrations

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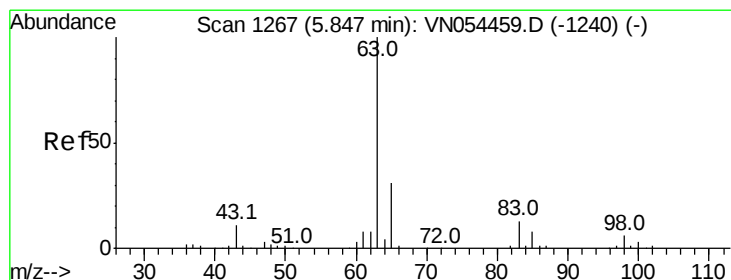
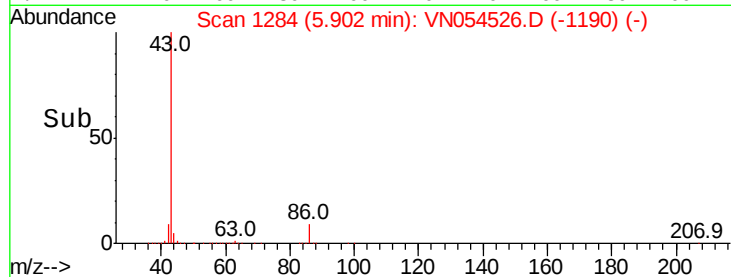
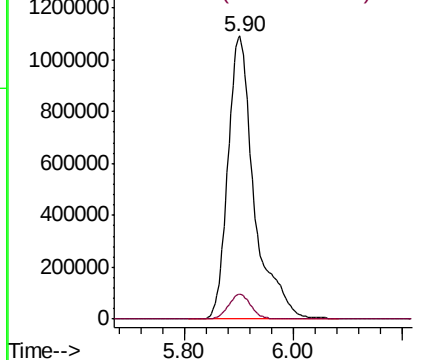
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 55.085 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

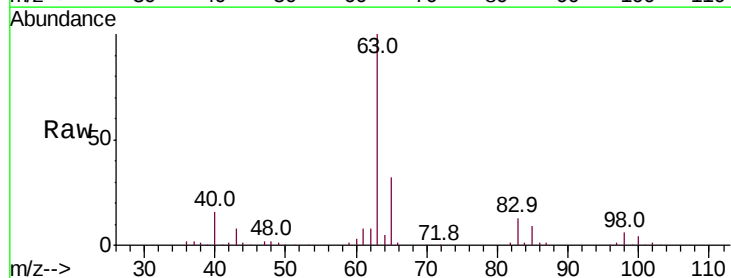
Tgt Ion: 63 Resp: 521347

Ion Ratio Lower Upper

63 100

98 5.9 3.5 10.5

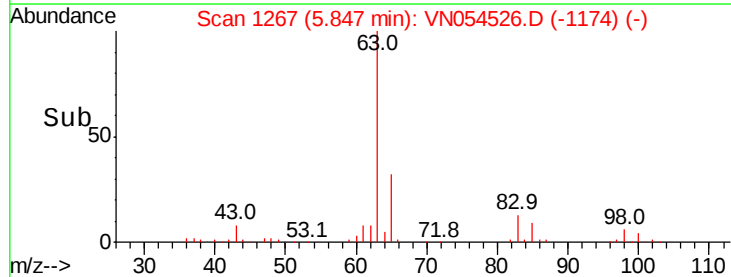
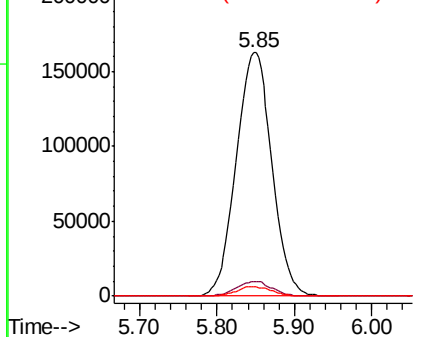
100 3.8 2.0 6.0

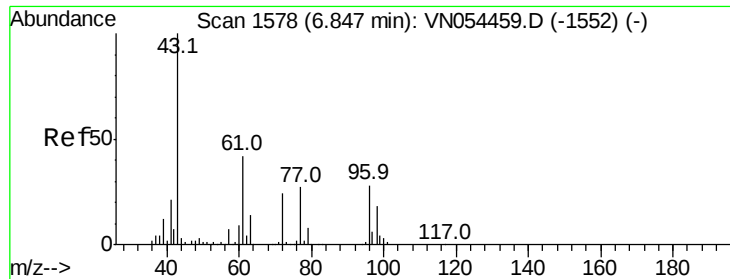


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 285.233 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 670403

Ion Ratio Lower Upper

43 100

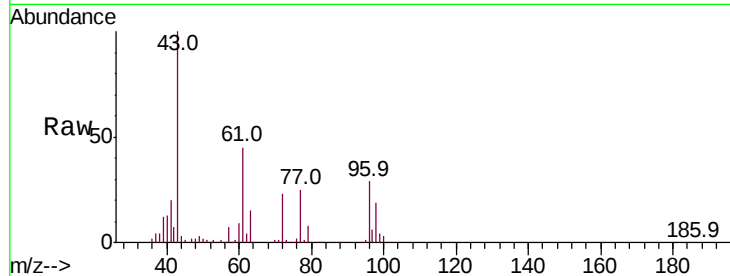
72 23.4 23.0 34.6

Manual Integrations

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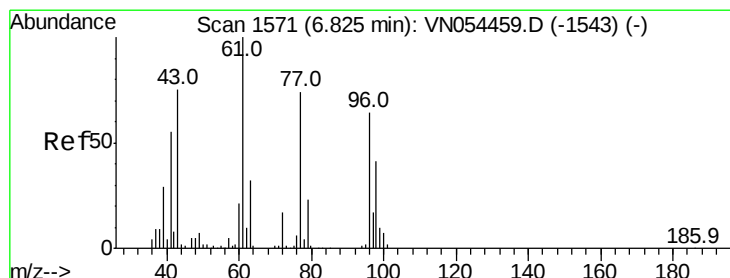
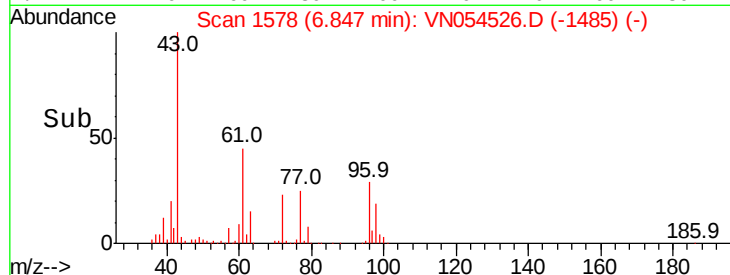
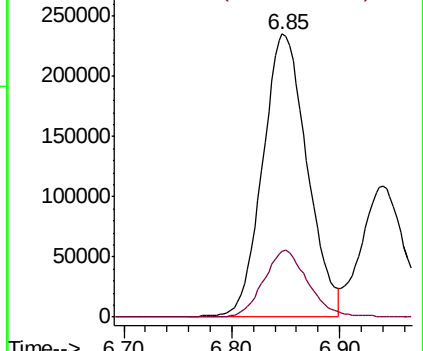
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3/22/2019 4:15:42 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 47.734 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054526.D

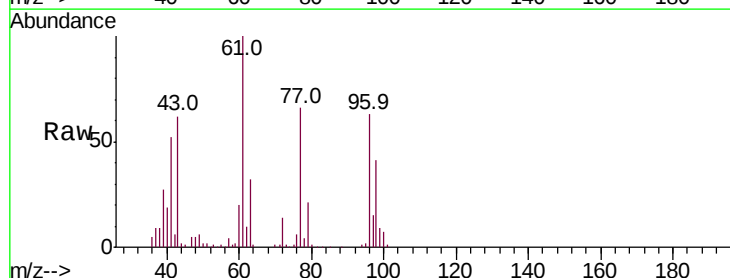
Acq: 21 Mar 2019 22:07

Tgt Ion: 77 Resp: 322041

Ion Ratio Lower Upper

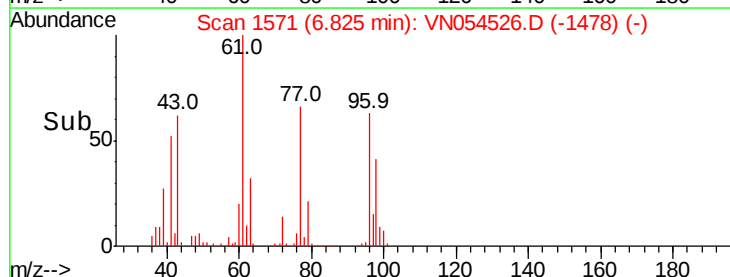
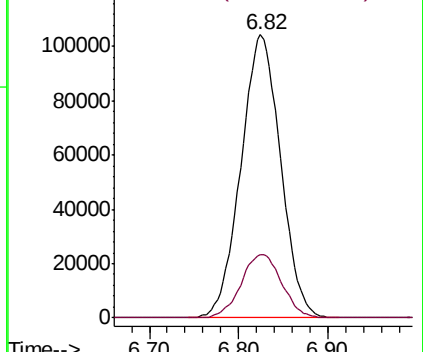
77 100

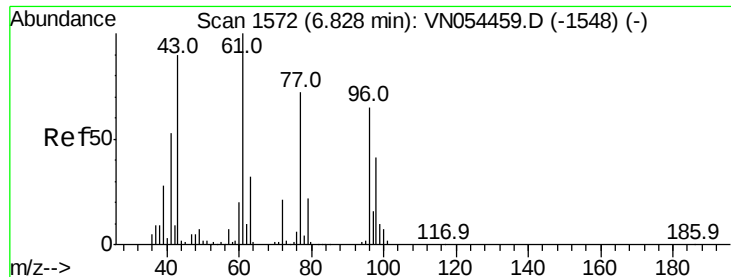
97 22.9 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 52.403 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Instrument :

MSVOA_N

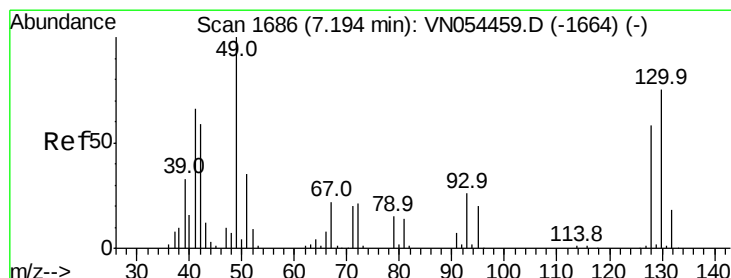
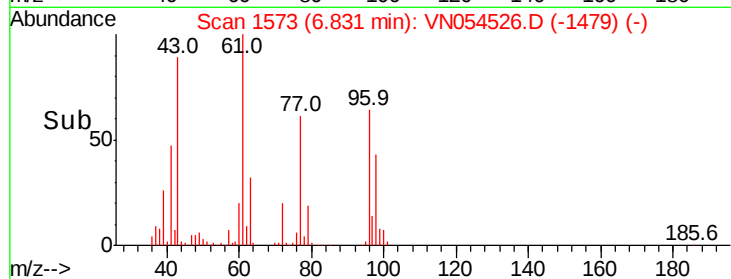
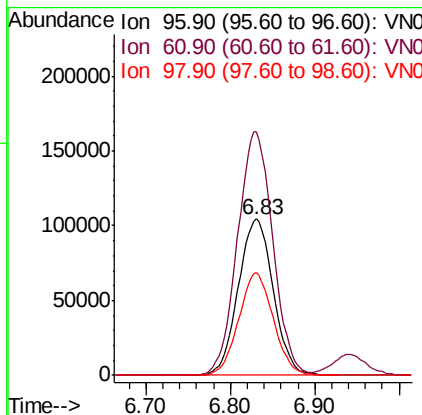
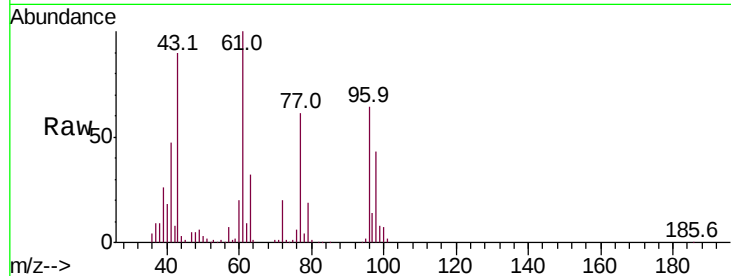
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	302043
Ion Ratio	Lower	Upper	
96	100		
61	156.9	0.0	273.0
98	65.0	0.0	130.6

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#28

Bromochloromethane

Concen: 57.213 ug/l

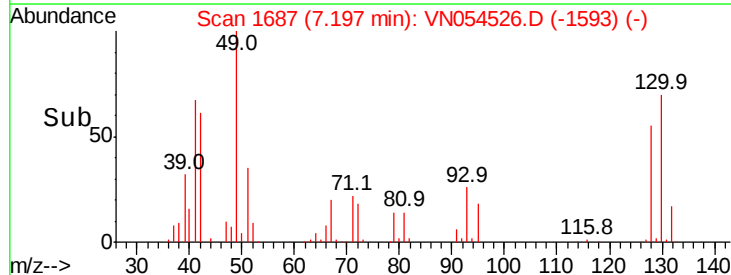
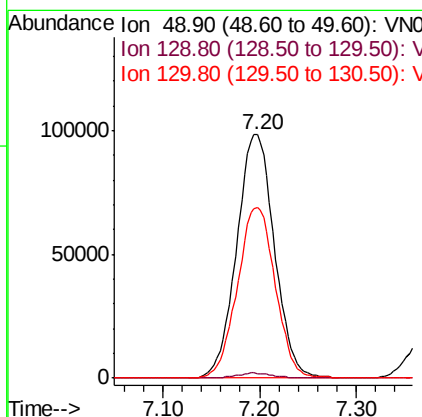
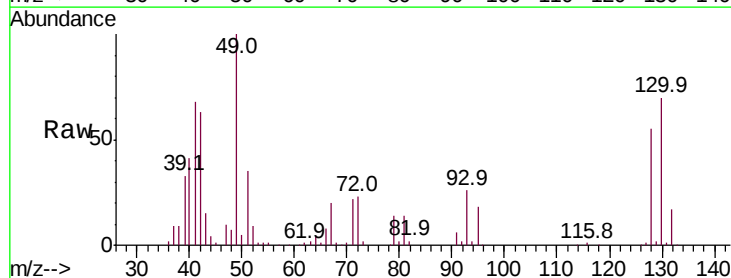
RT: 7.20 min Scan# 1687

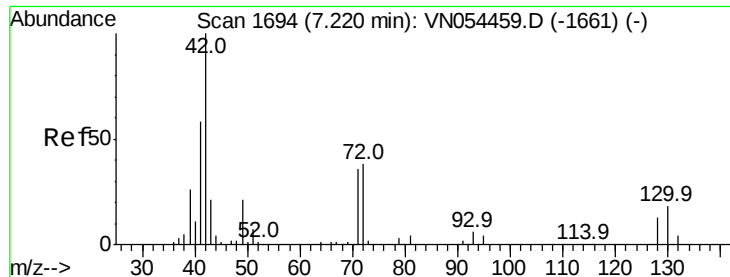
Delta R.T. 0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Tgt Ion:	49	Resp:	266528
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	4.6
130	70.4	76.7	115.1#





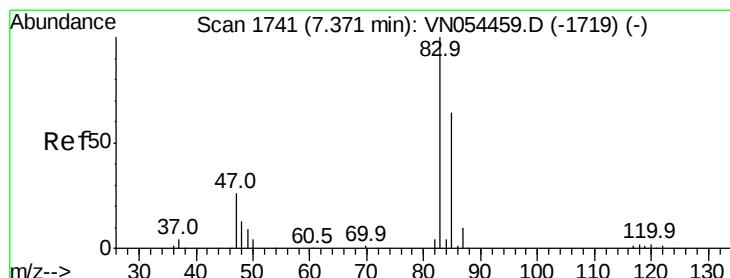
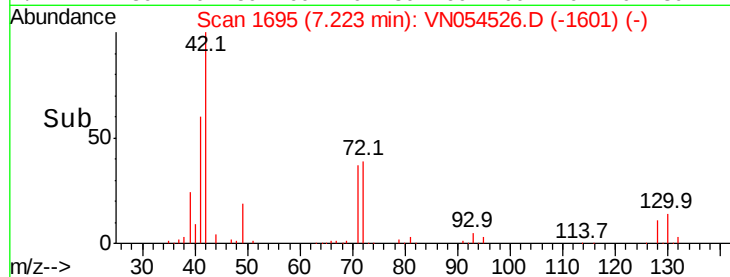
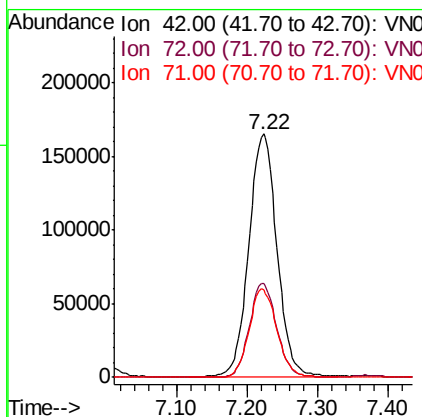
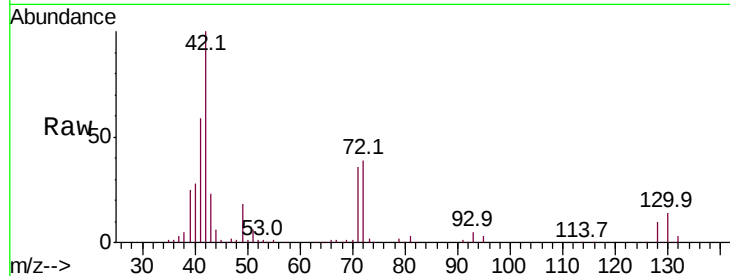
#29
Tetrahydrofuran
Concen: 301.756 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.5	37.8	56.6#
71	35.7	36.2	54.2#

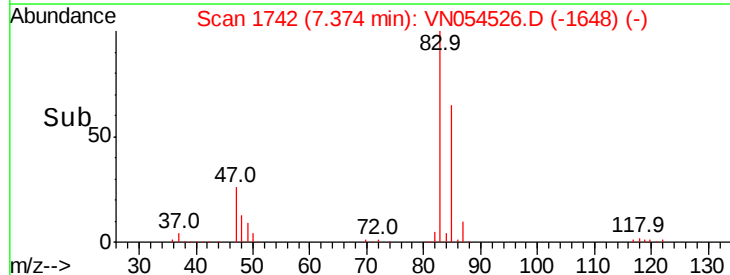
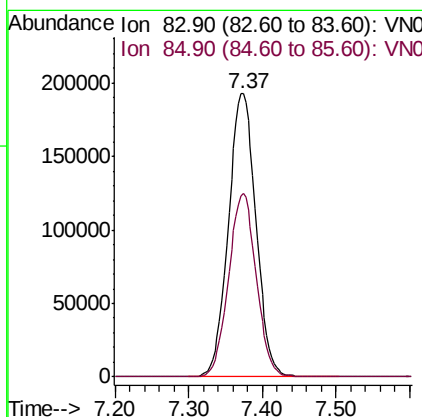
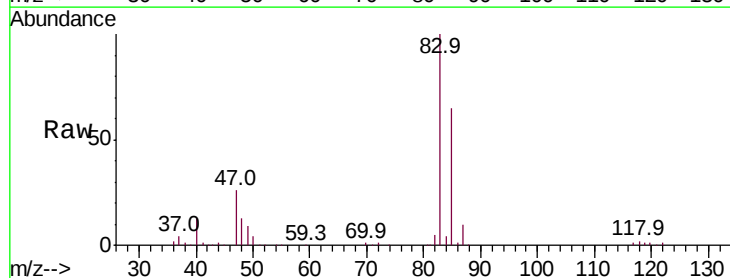
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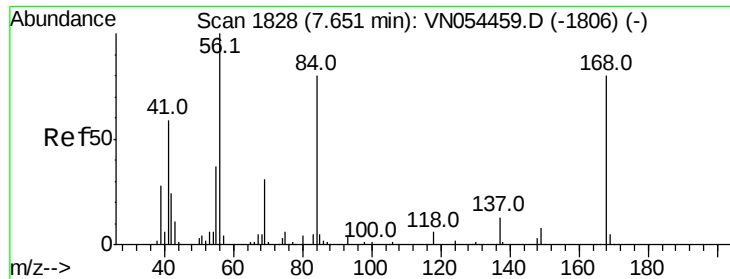
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#30
Chloroform
Concen: 54.230 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.2	78.4





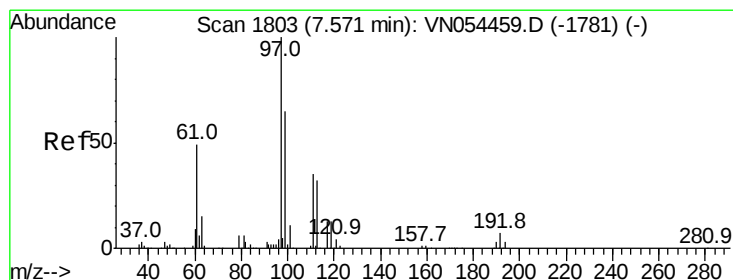
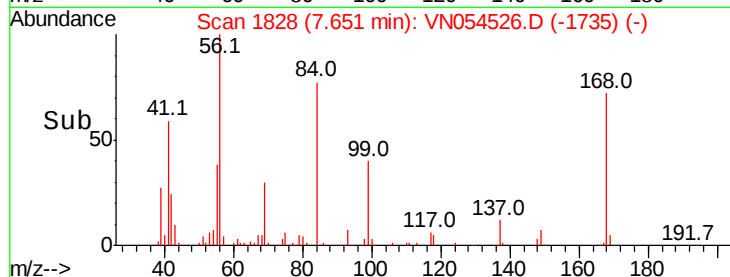
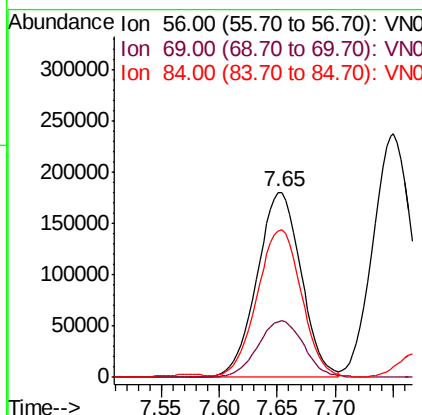
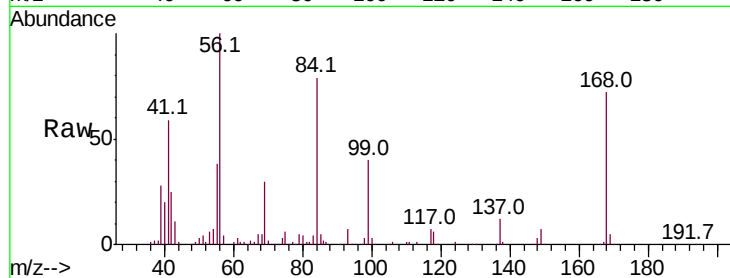
#31
Cyclohexane
Concen: 52.839 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.3	27.8	41.6
84	77.6	74.6	111.8

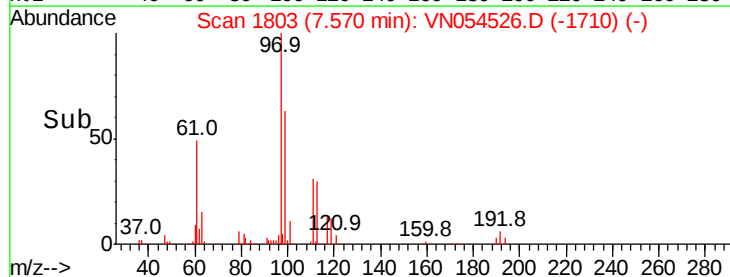
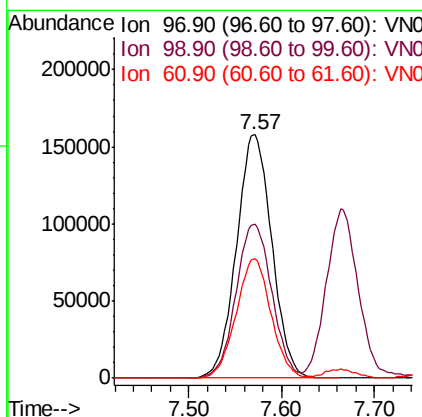
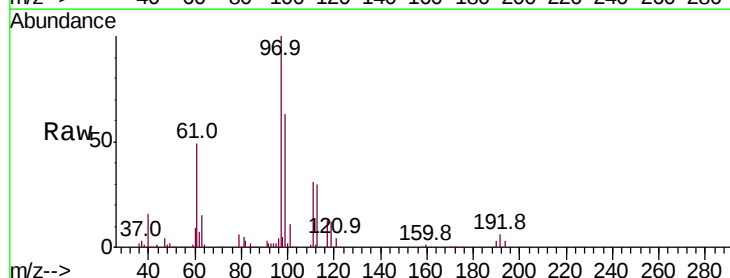
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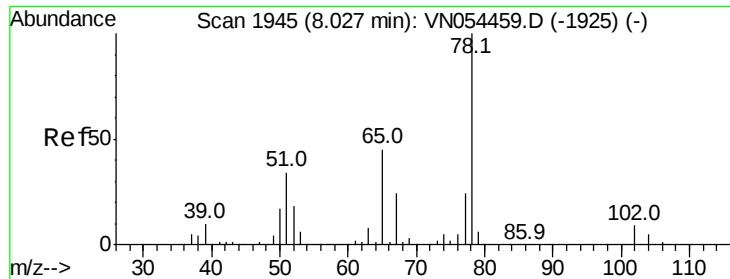
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3/22/2019 4:15:42 PM



#32
1,1,1-Trichloroethane
Concen: 54.806 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.5	77.3
61	48.4	33.6	50.4





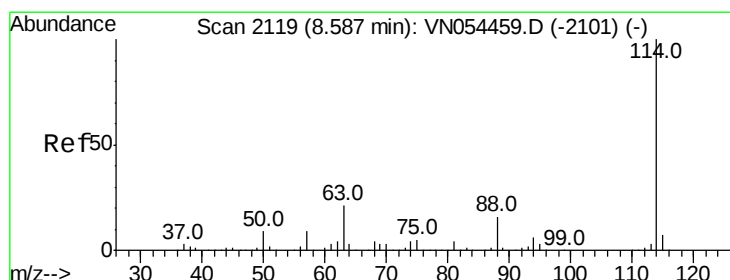
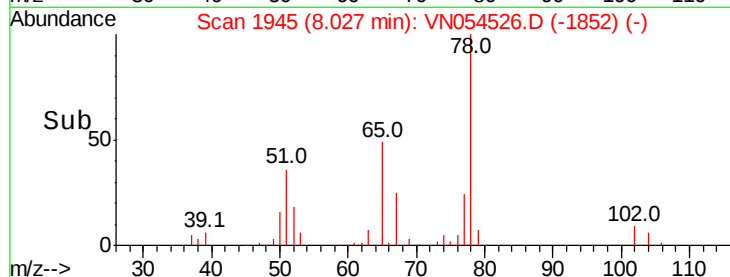
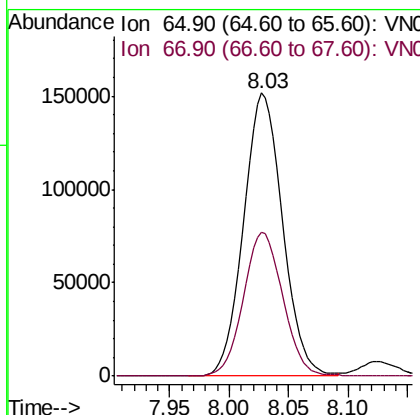
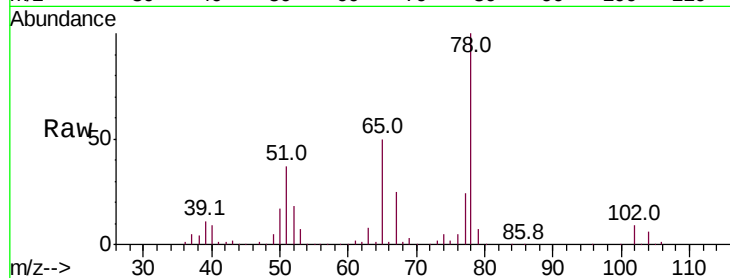
#33
 1,2-Dichloroethane-d4
 Concen: 56.503 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054526.D
 Acq: 21 Mar 2019 22:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	104.6

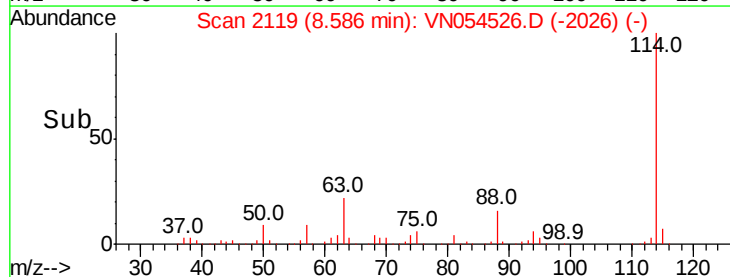
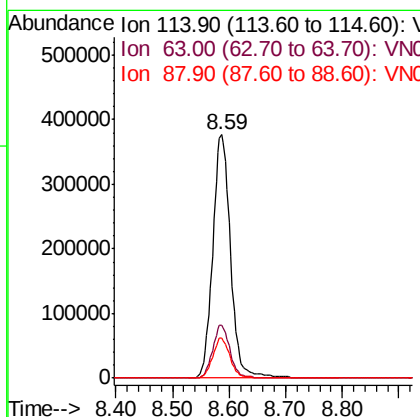
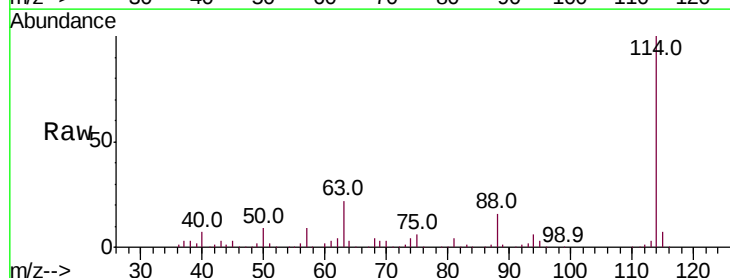
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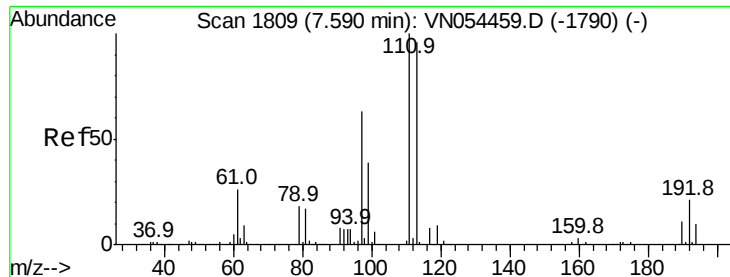
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 3/22/2019 4:15:42 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054526.D
 Acq: 21 Mar 2019 22:07

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	35.2
88	16.4	0.0	30.2





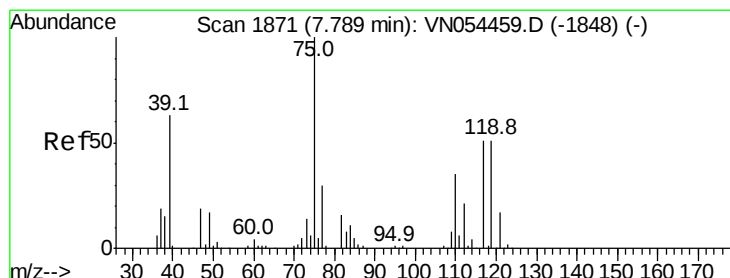
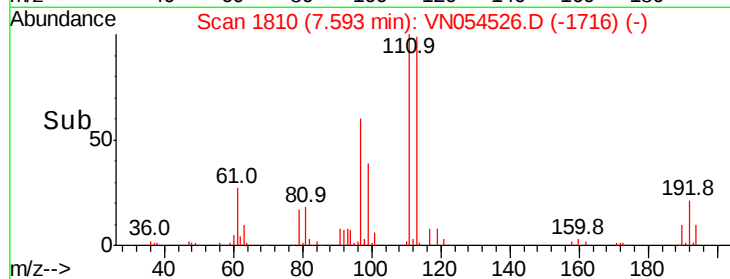
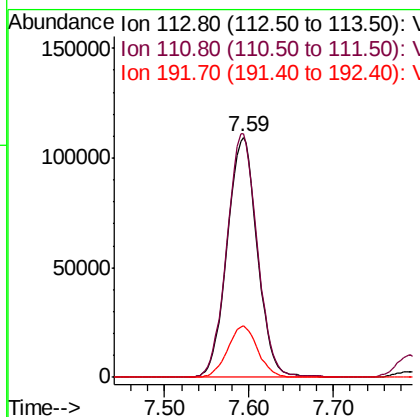
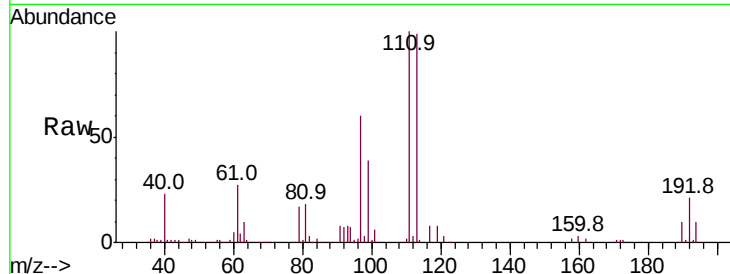
#35
 Dibromofluoromethane
 Concen: 51.657 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054526.D
 Acq: 21 Mar 2019 22:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.2	123.4
192	21.3	19.2	28.8

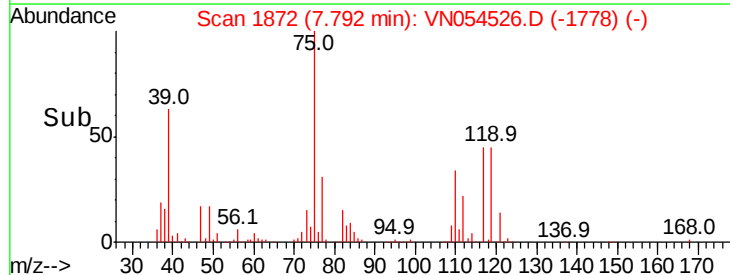
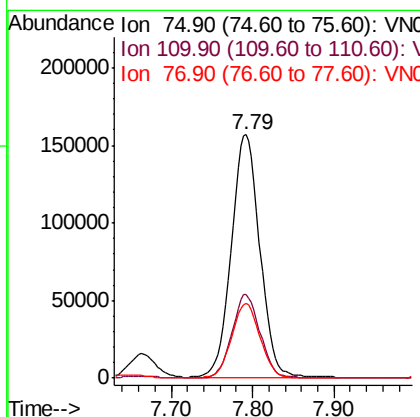
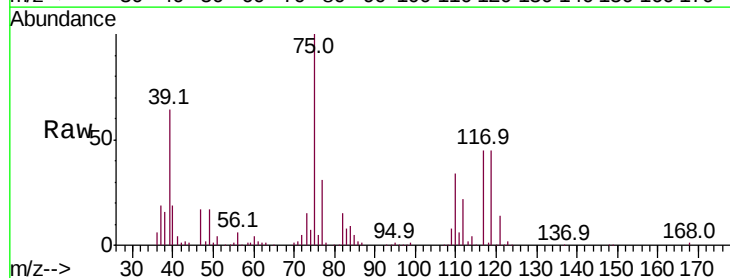
Manual Integrations
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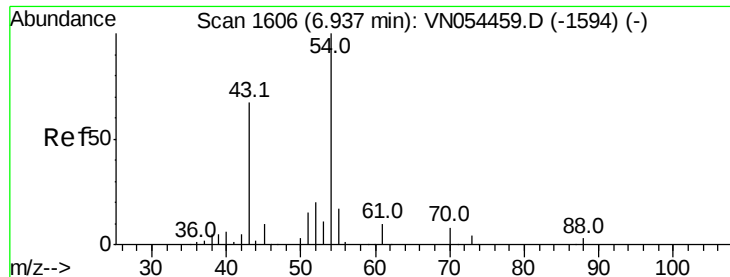
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 3/22/2019 4:15:42 PM



#36
 1,1-Dichloropropene
 Concen: 49.999 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054526.D
 Acq: 21 Mar 2019 22:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.0	19.1	57.5
77	31.1	25.0	37.4





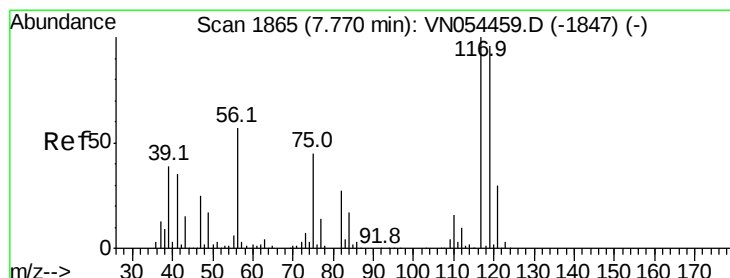
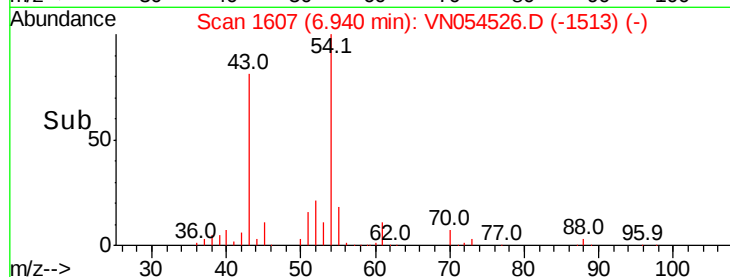
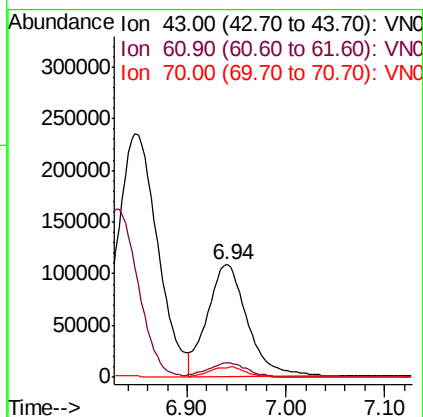
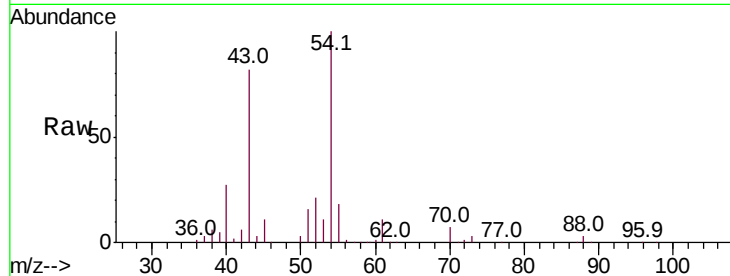
#37
Ethyl Acetate
Concen: 56.128 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	11.8	17.6
70	8.8	8.4	12.6

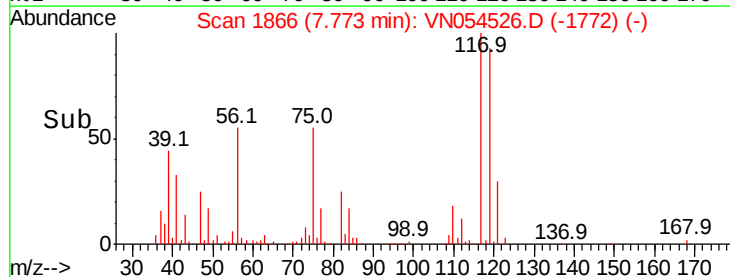
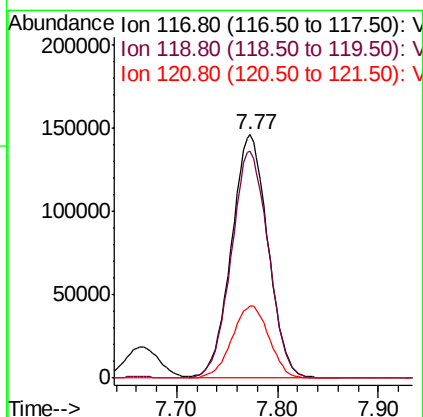
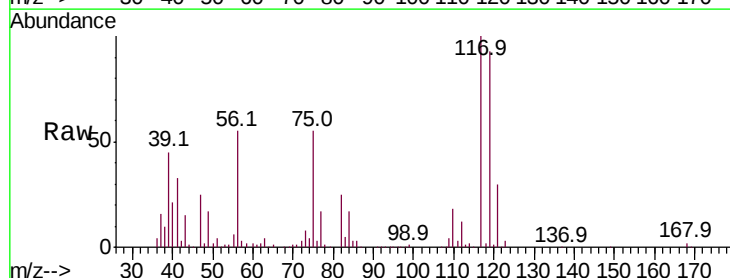
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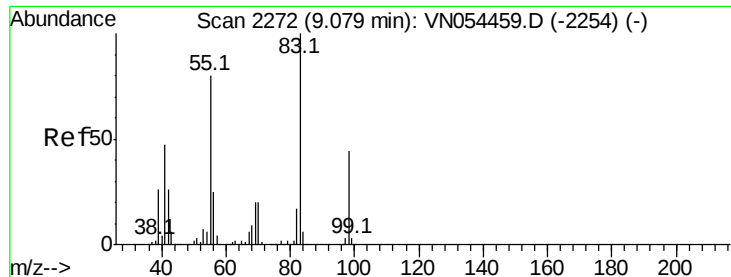
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3/22/2019 4:15:42 PM



#38
Carbon Tetrachloride
Concen: 49.471 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.9	76.3	114.5
121	29.6	24.6	36.8





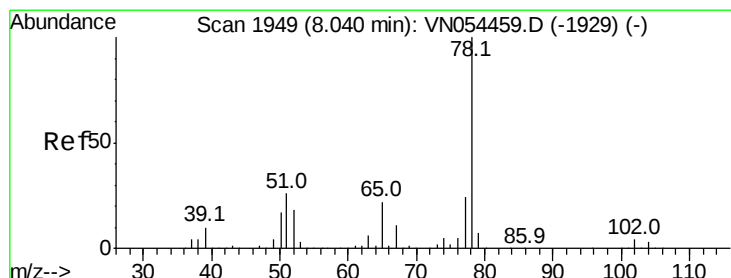
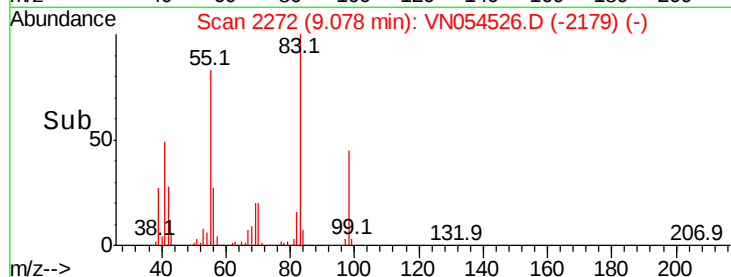
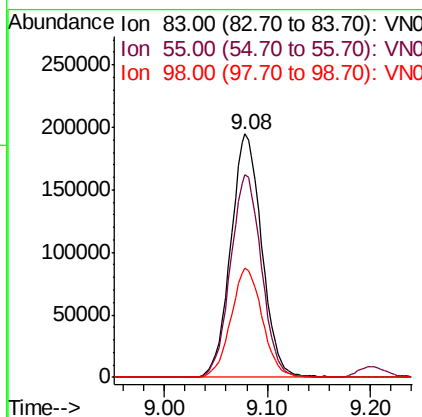
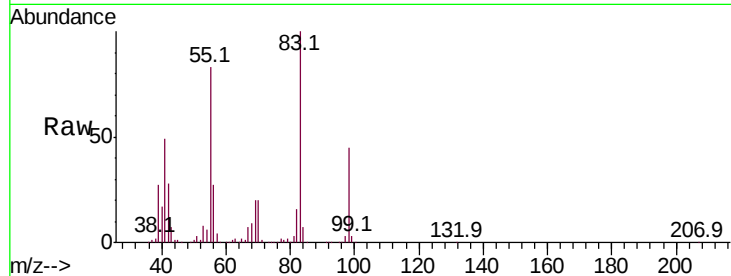
#39
Methvlcvclohexane
Concen: 46.574 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.3	56.6	84.8
98	44.7	38.4	57.6

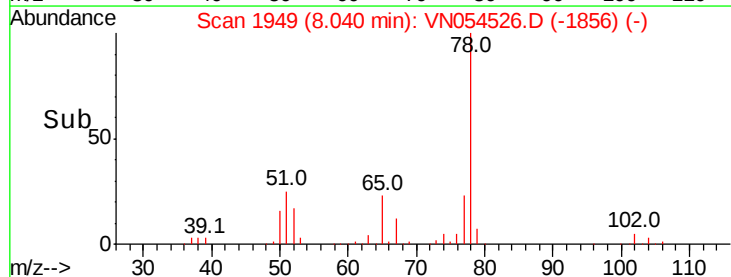
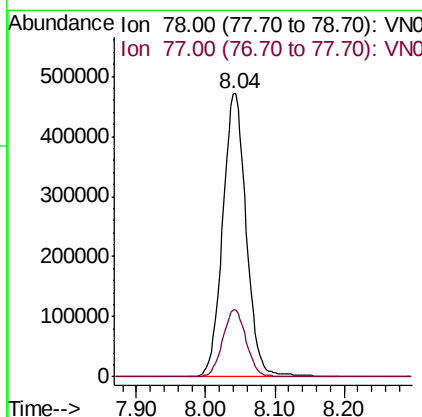
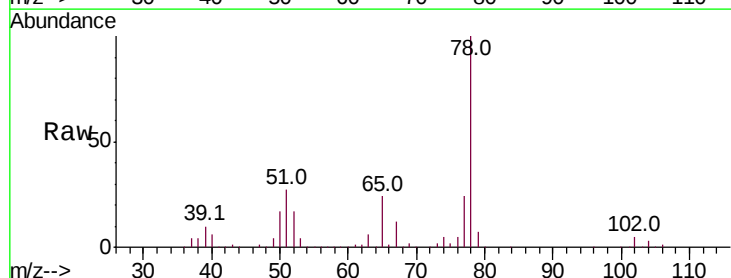
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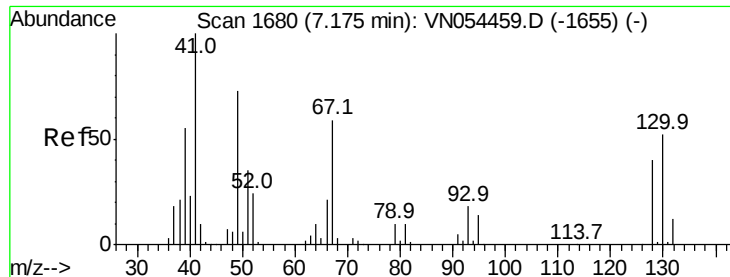
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3/22/2019 4:15:42 PM



#40
Benzene
Concen: 51.144 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.1	28.7





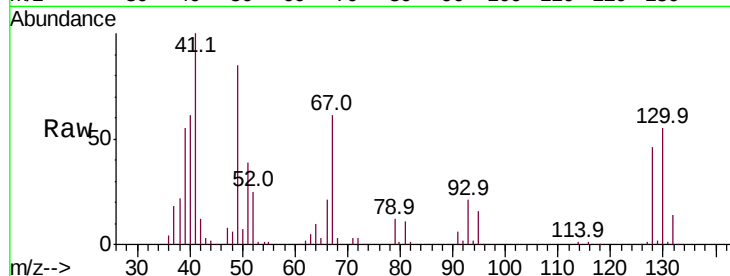
#41
Methacrylonitrile
Concen: 53.316 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.9	46.8	70.2
67	67.0	67.0	100.4
52	28.9	26.5	39.7

Manual Integrations
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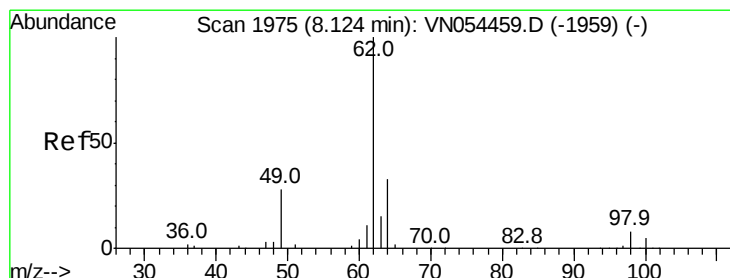
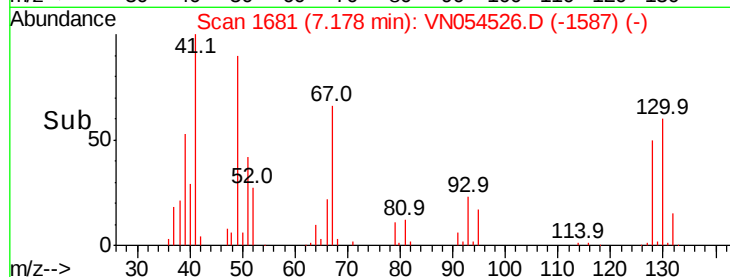
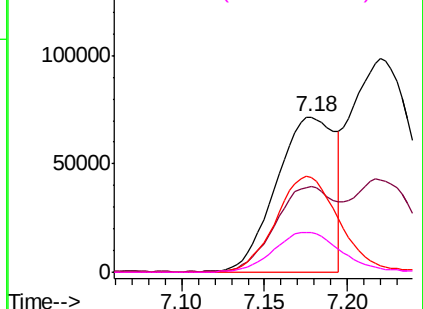
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

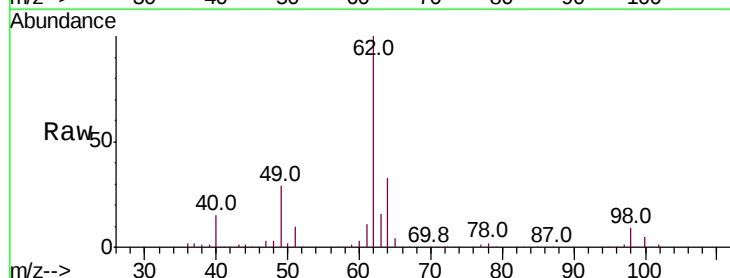
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42
1,2-Dichloroethane
Concen: 50.414 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

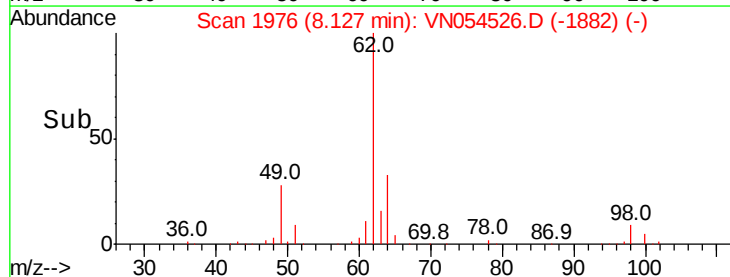
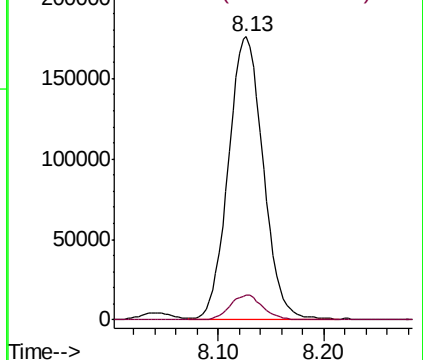
Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	18.4

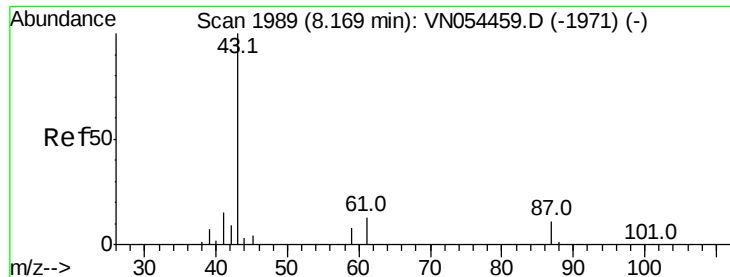


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 55.525 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Instrument :

MSVOA_N

ClientSampleId :

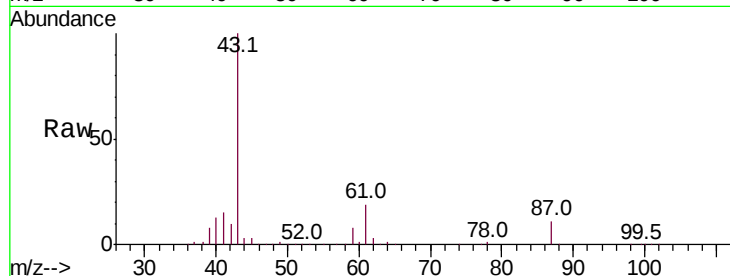
VSTDCCC050EC

Tot Ion: 43 Resp: 510067

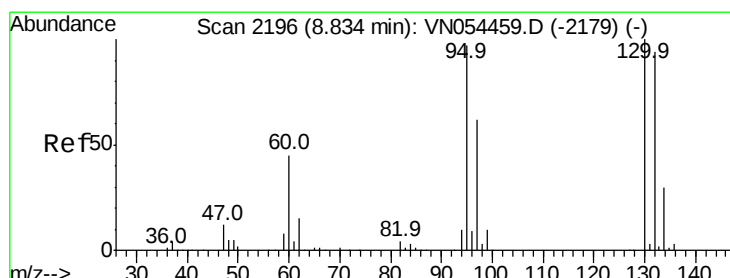
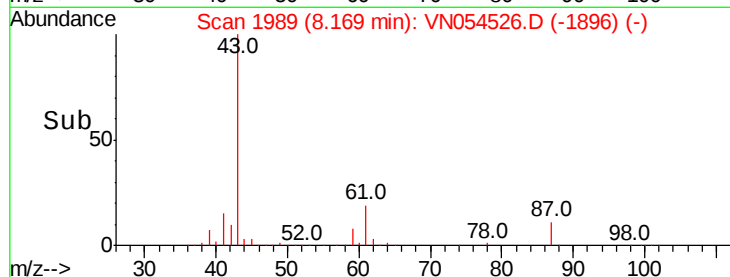
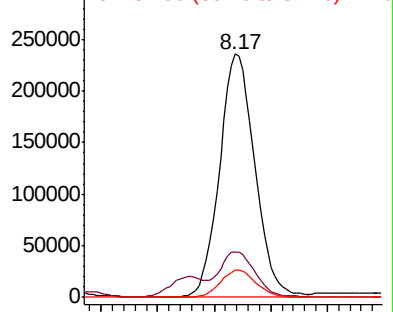
Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.8	23.8
87	11.4	12.0	18.0

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Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-1971) (-)



#44

Trichloroethene

Concen: 48.738 ug/l

RT: 8.84 min Scan# 2197

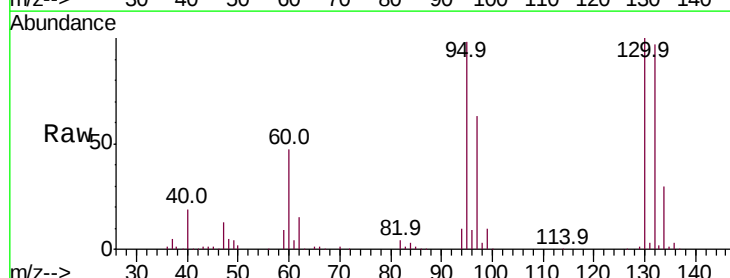
Delta R.T. 0.00 min

Lab File: VN054526.D

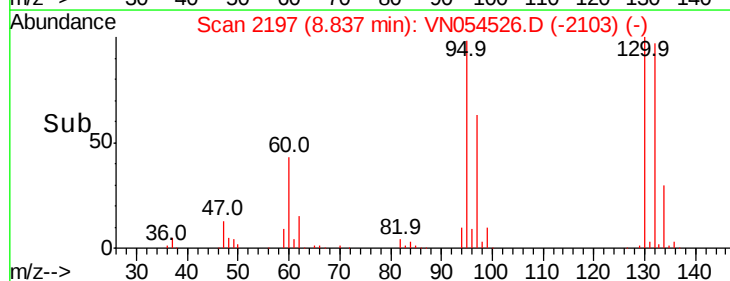
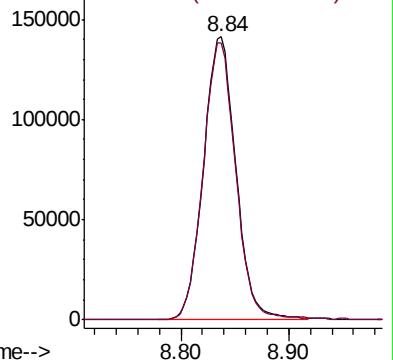
Acq: 21 Mar 2019 22:07

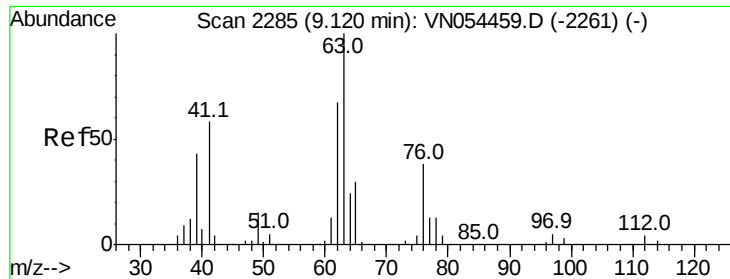
Tgt Ion:130 Resp: 296329

Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	185.2



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





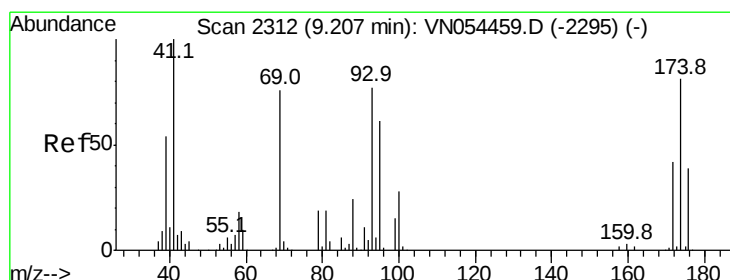
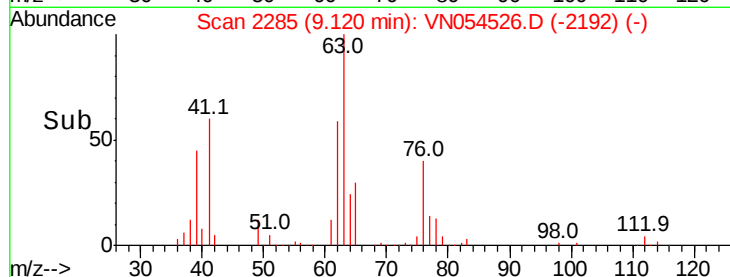
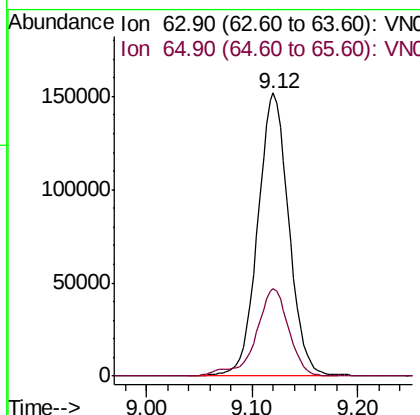
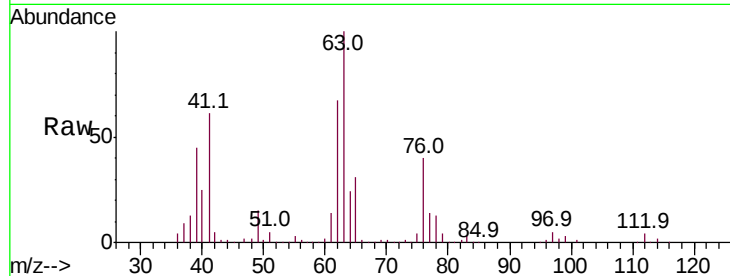
#45
 1,2-Dichloropropane
 Concen: 53.041 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN054526.D
 Acq: 21 Mar 2019 22:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 311473
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.0 37.6

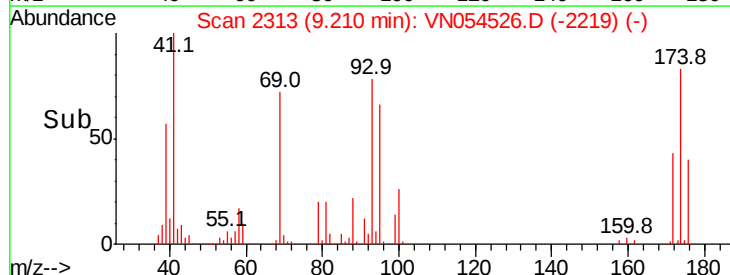
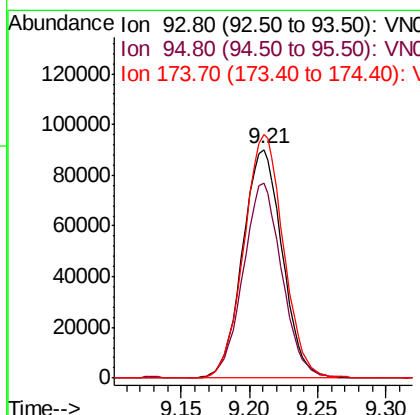
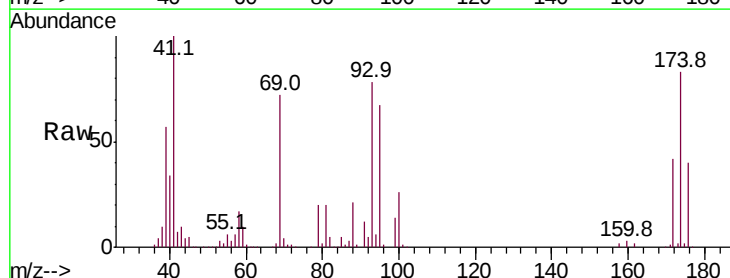
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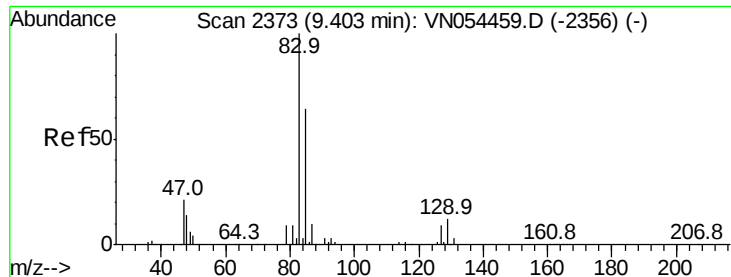
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#46
 Dibromomethane
 Concen: 52.016 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054526.D
 Acq: 21 Mar 2019 22:07

Tgt Ion: 93 Resp: 182226
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.7 100.1
 174 106.5 98.5 147.7





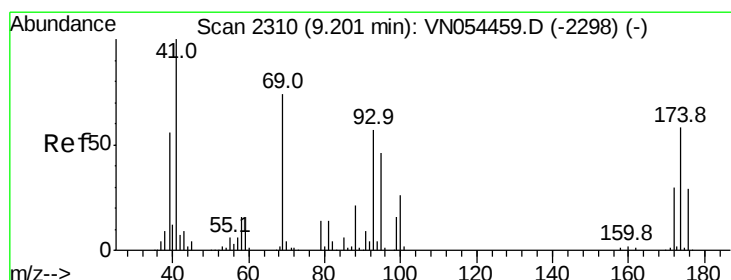
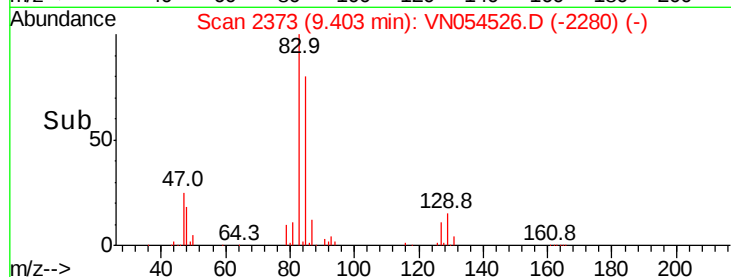
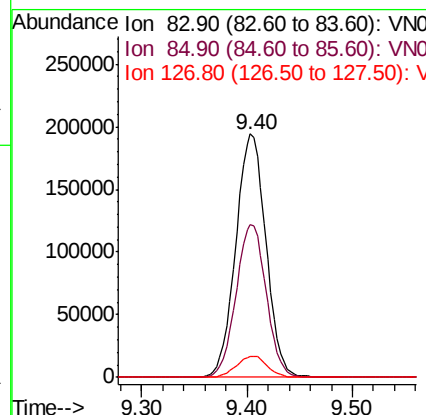
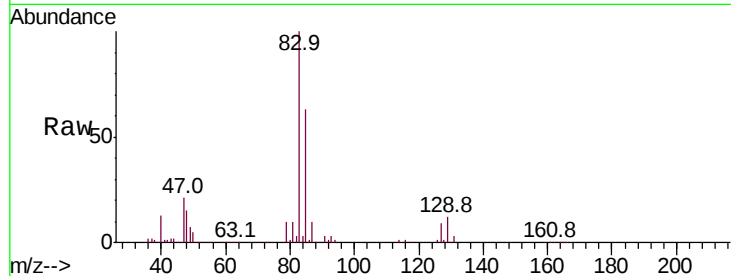
#47
Bromodichloromethane
Concen: 52.935 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.0	52.8	79.2	
127	8.6	7.4	11.2	

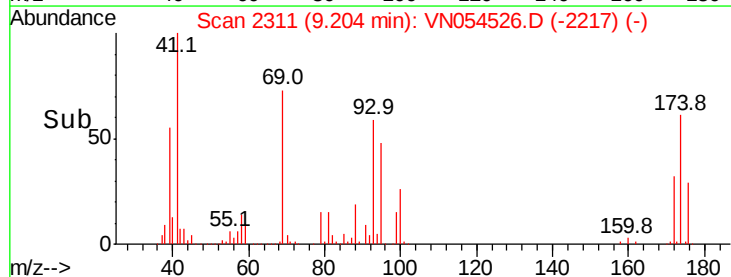
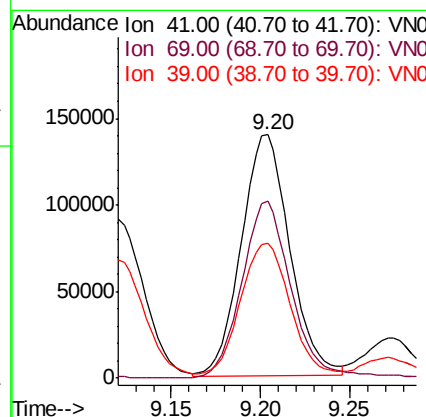
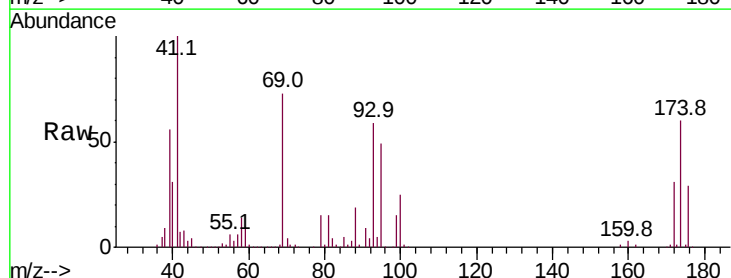
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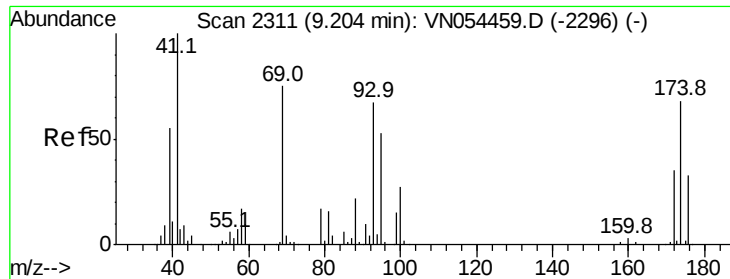
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#48
Methyl methacrylate
Concen: 53.377 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	74.4	72.6	108.8	
39	57.0	47.5	71.3	





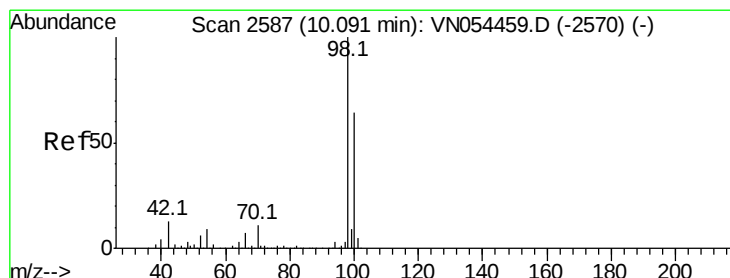
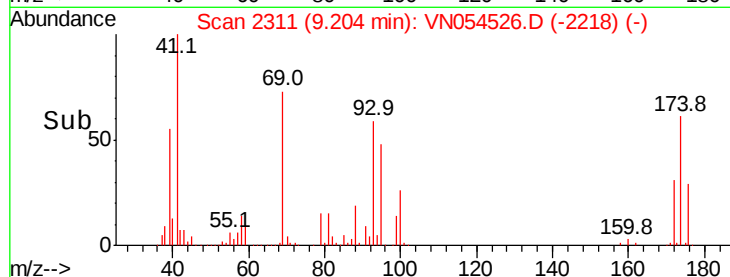
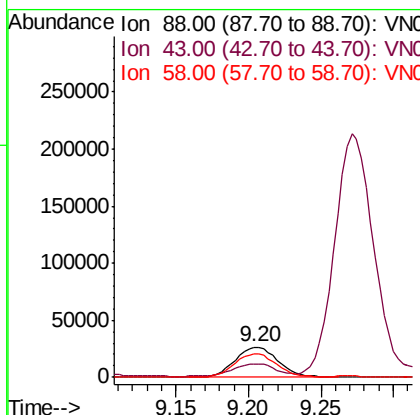
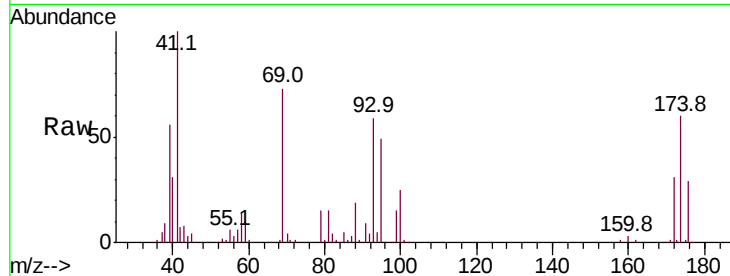
#49
 1,4-Dioxane
 Concen: 996.015 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN054526.D
 Acq: 21 Mar 2019 22:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	88	Resp	55518
Ion Ratio	100	Lower	Upper
88	100		
43	39.2	24.1	36.1#
58	76.8	50.8	76.2#

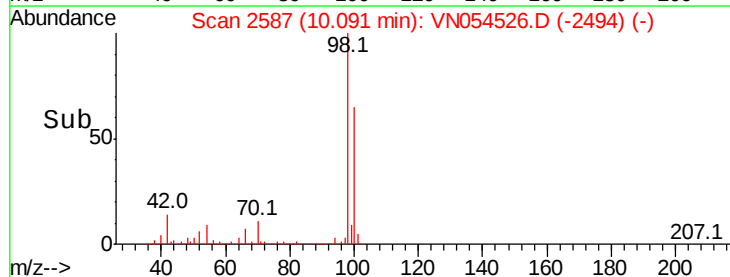
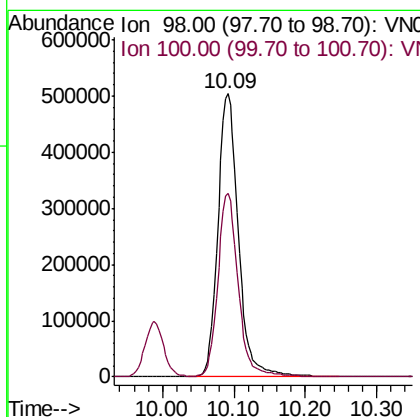
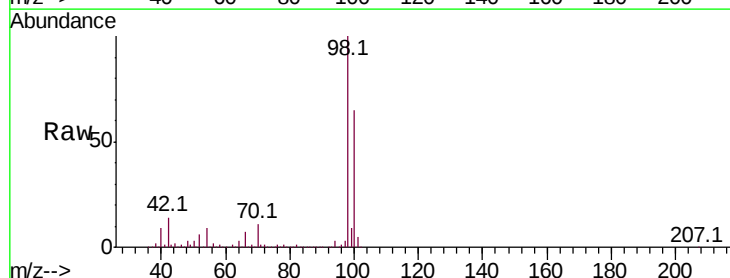
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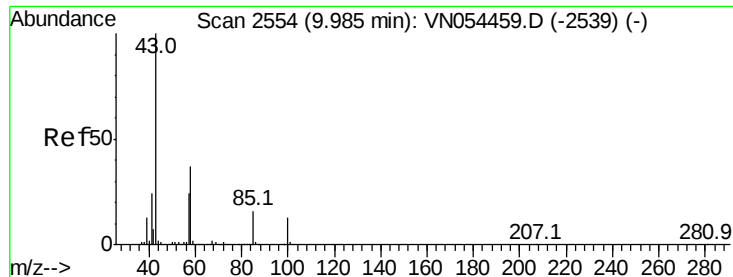
MMDadoda
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#50
 Toluene-d8
 Concen: 50.722 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN054526.D
 Acq: 21 Mar 2019 22:07

Tgt Ion	98	Resp	1004818
Ion Ratio	100	Lower	Upper
98	100		
100	64.3	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 285.794 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1454996

Ion Ratio Lower Upper

43 100

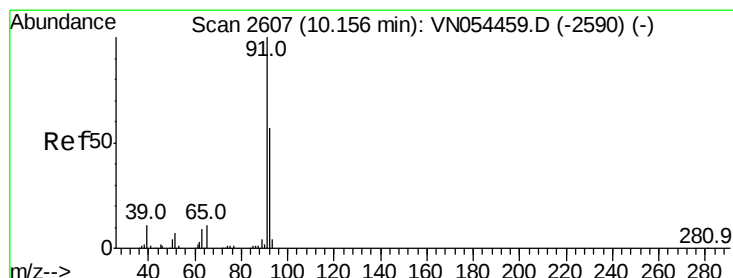
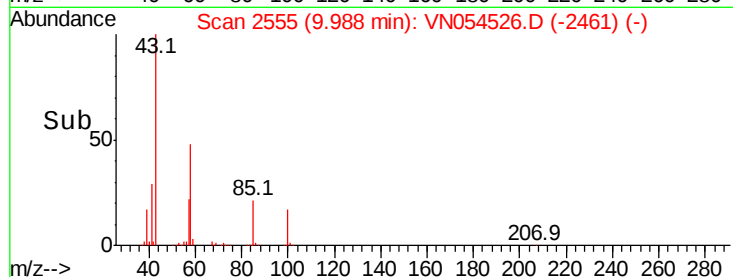
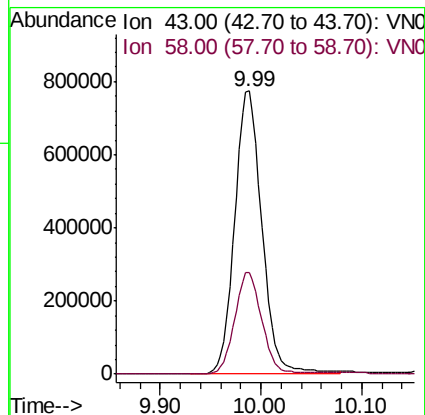
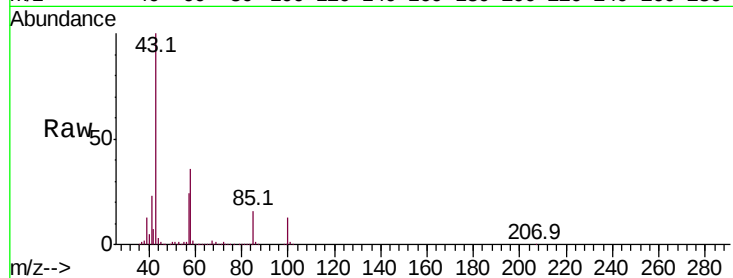
58 35.7 31.8 47.6

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#52

Toluene

Concen: 48.964 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054526.D

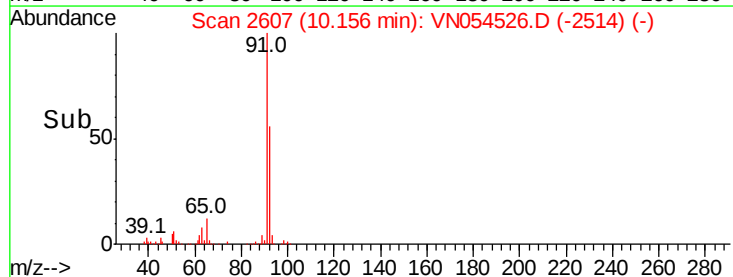
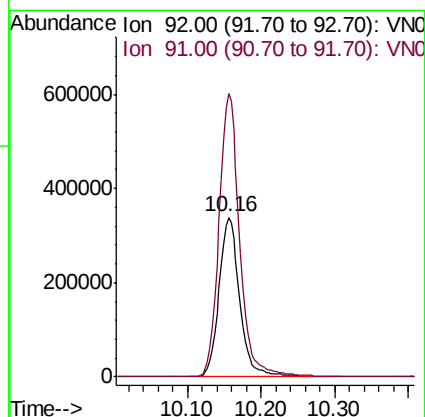
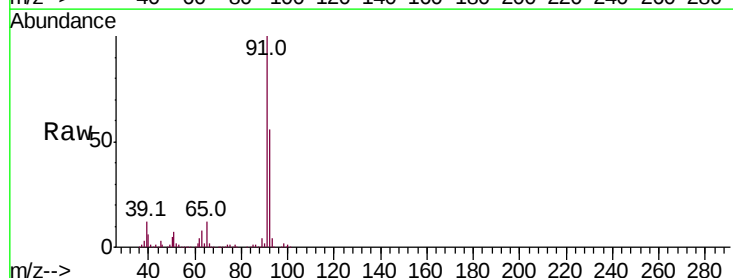
Acq: 21 Mar 2019 22:07

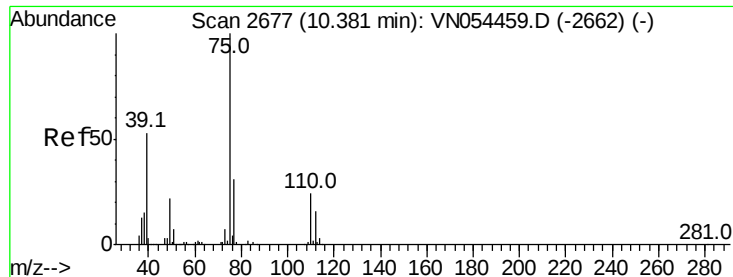
Tgt Ion: 92 Resp: 658587

Ion Ratio Lower Upper

92 100

91 177.1 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 47.001 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

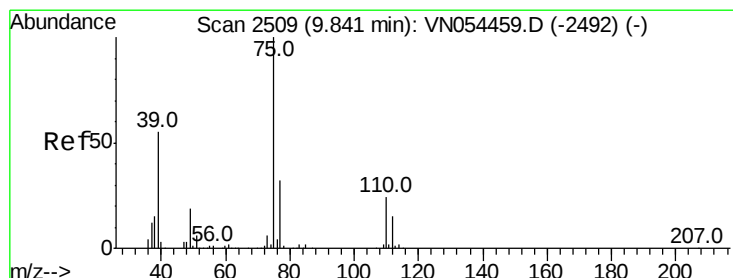
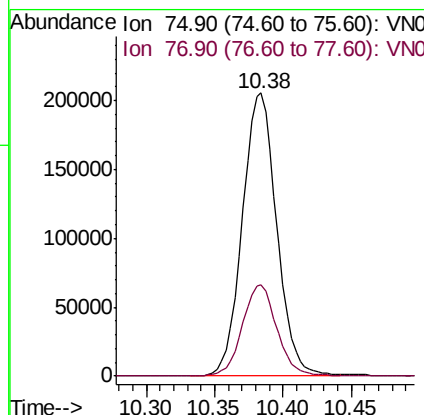
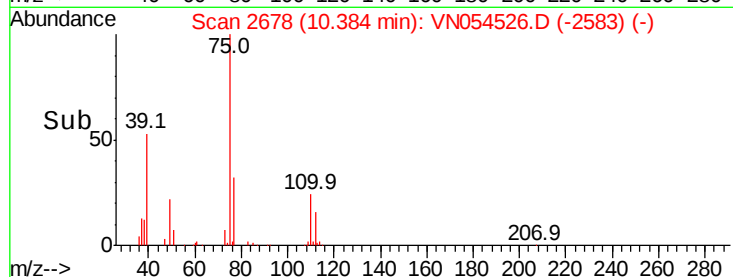
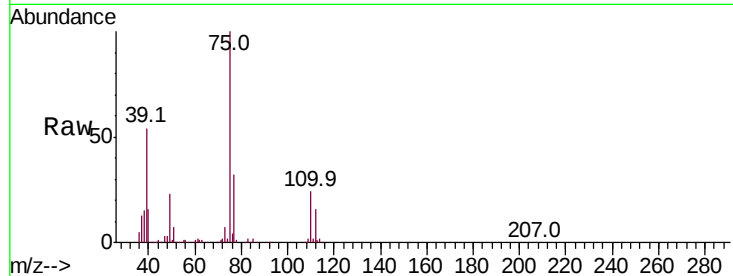
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 359407

Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.8	38.8

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#54

cis-1,3-Dichloropropene

Concen: 53.167 ug/l

RT: 9.84 min Scan# 2509

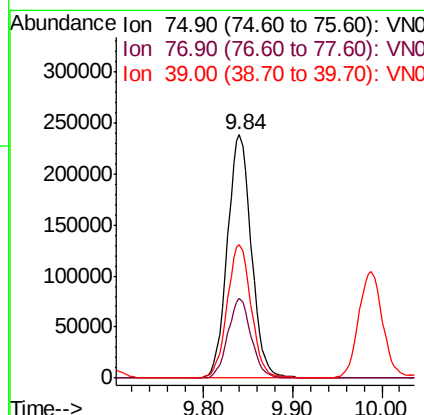
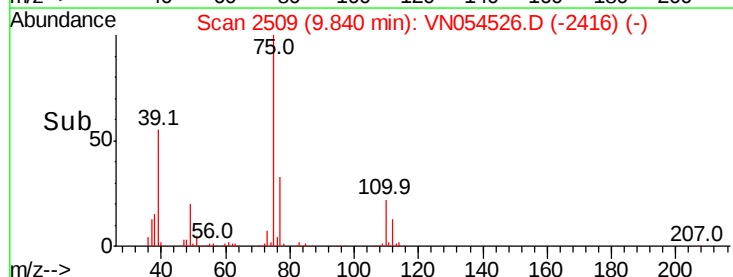
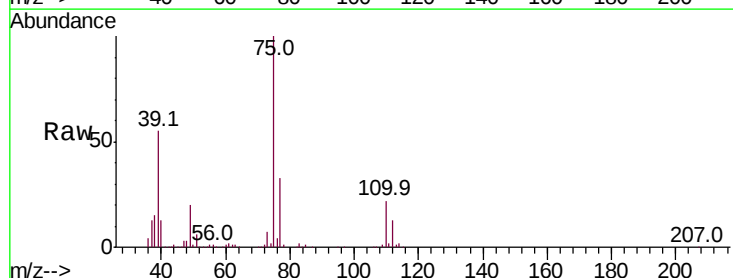
Delta R.T. -0.00 min

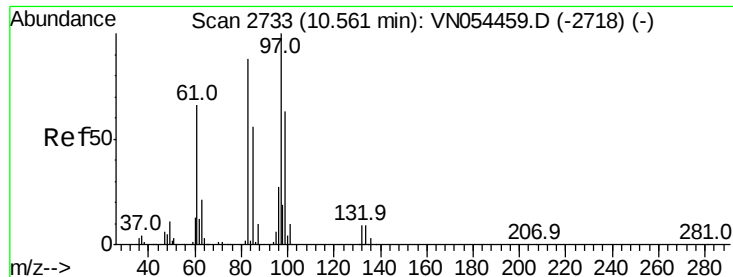
Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Tgt Ion: 75 Resp: 443226

Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.4	38.0
39	54.7	37.2	55.8





#55

1,1,2-Trichloroethane

Concen: 51.751 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Instrument :

MSVOA_N

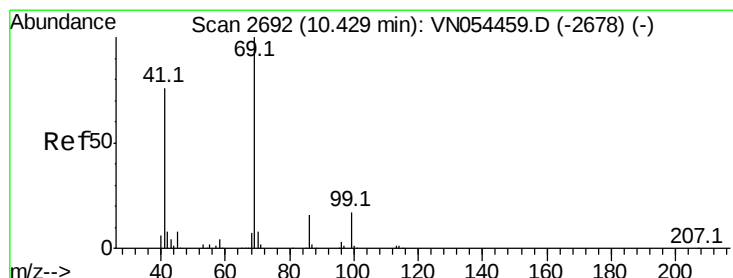
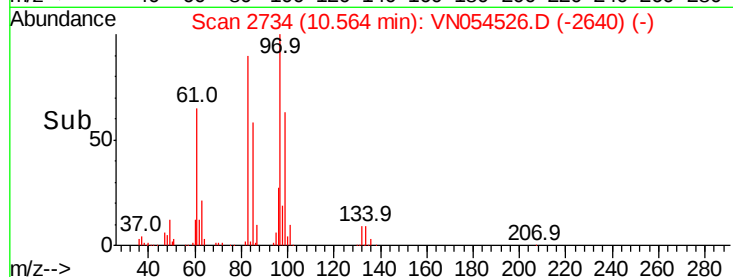
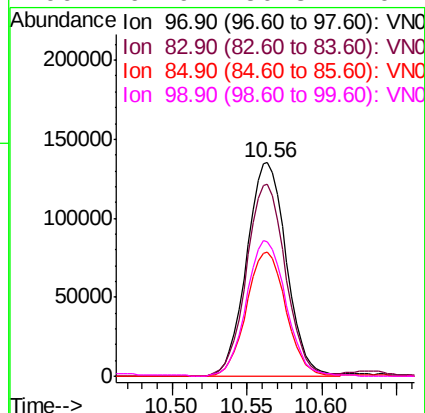
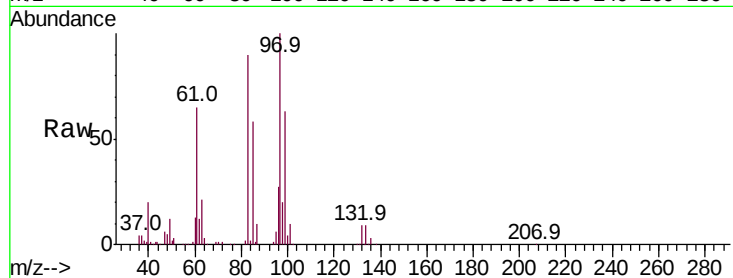
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	250213
Ion Ratio	Lower	Upper	
97	100		
83	90.1	66.6	100.0
85	58.3	44.4	66.6
99	62.9	50.8	76.2

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#56

Ethyl methacrylate

Concen: 55.309 ug/l

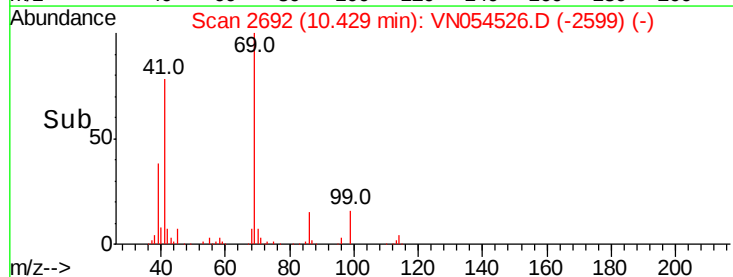
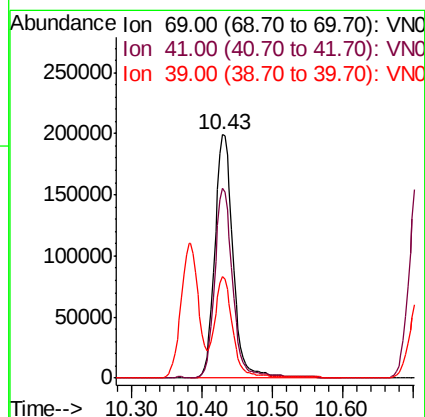
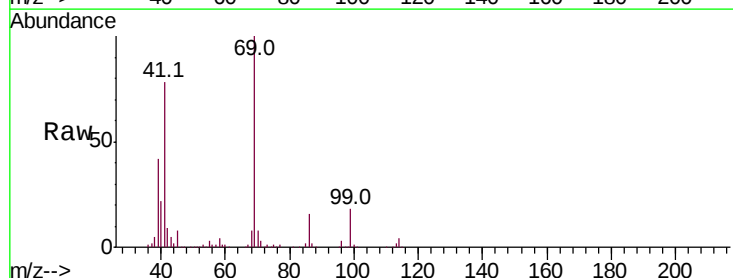
RT: 10.43 min Scan# 2692

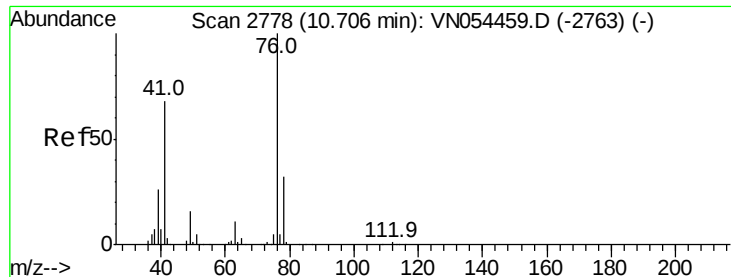
Delta R.T. -0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Tgt Ion:	69	Resp:	358931
Ion Ratio	Lower	Upper	
69	100		
41	74.9	49.4	74.2#
39	40.4	28.3	42.5





#57

1,3-Dichloropropane

Concen: 52.407 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

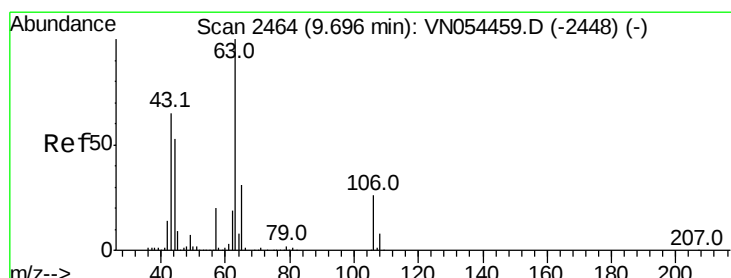
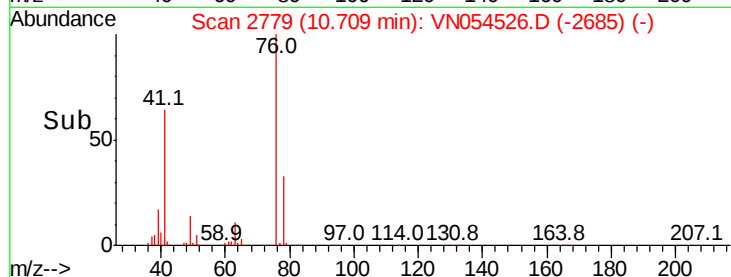
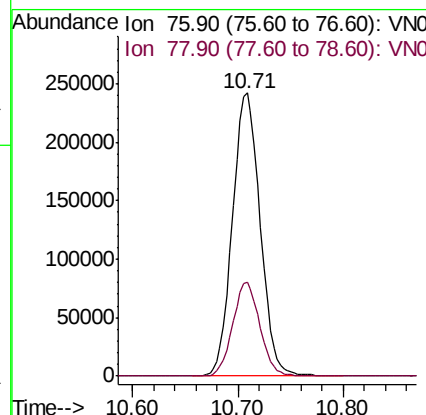
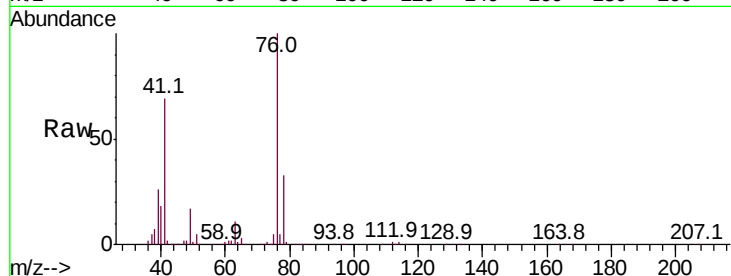
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 440468

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.7	38.5

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 264.785 ug/l

RT: 9.70 min Scan# 2464

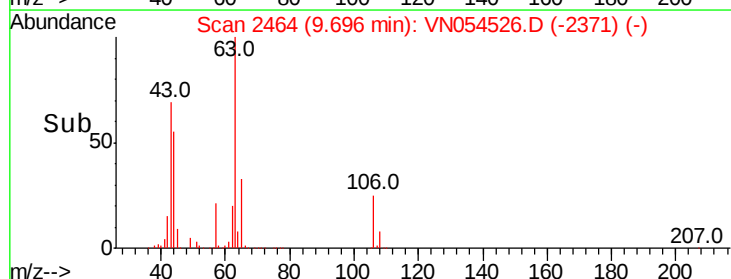
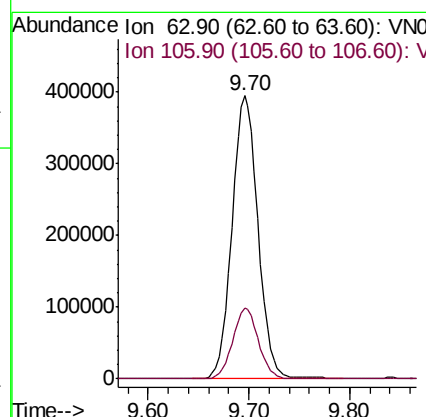
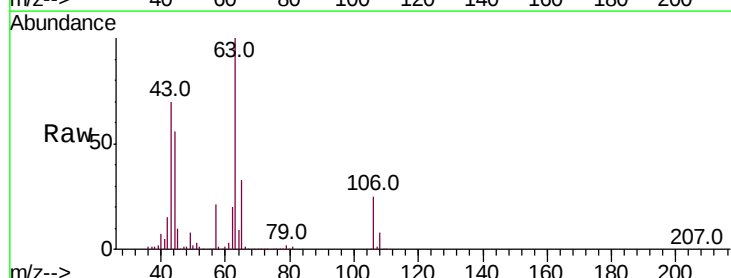
Delta R.T. -0.00 min

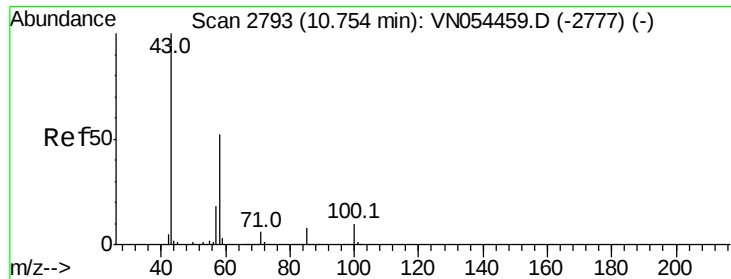
Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Tgt Ion: 63 Resp: 707567

Ion	Ratio	Lower	Upper
63	100		
106	24.8	24.4	36.6





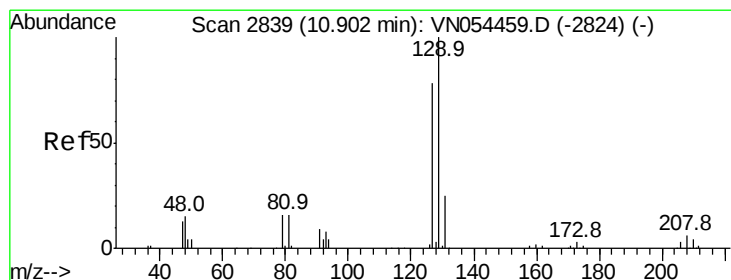
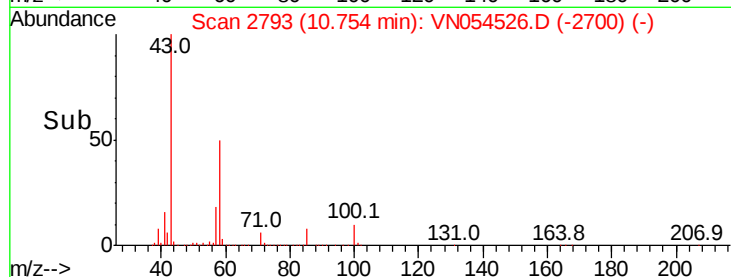
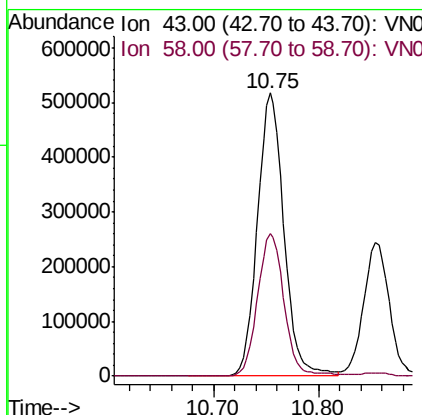
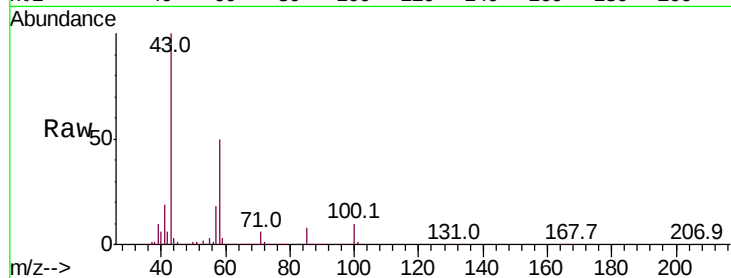
#59
2-Hexanone
Concen: 272.276 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 905432
Ion Ratio Lower Upper
43 100
58 50.7 28.0 83.9

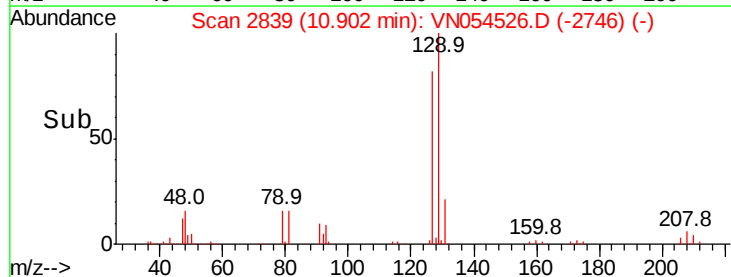
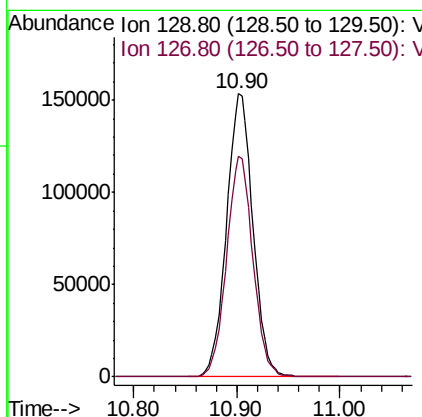
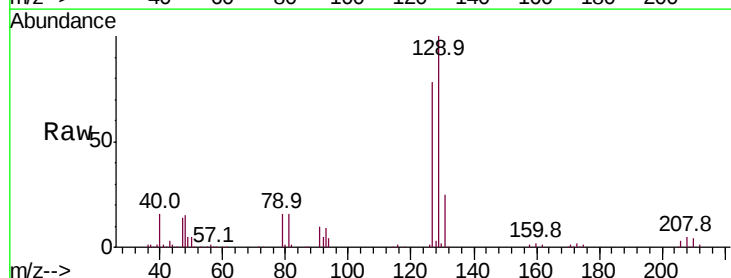
Manual Integrations
APPROVED

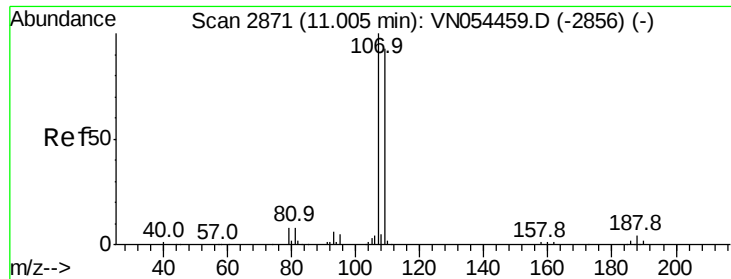
MMDadoda
3/22/2019 4:15:42 PM



#60
Dibromochloromethane
Concen: 53.412 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Tgt Ion: 129 Resp: 274798
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.8





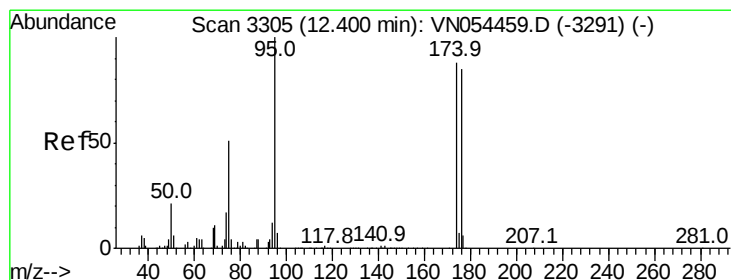
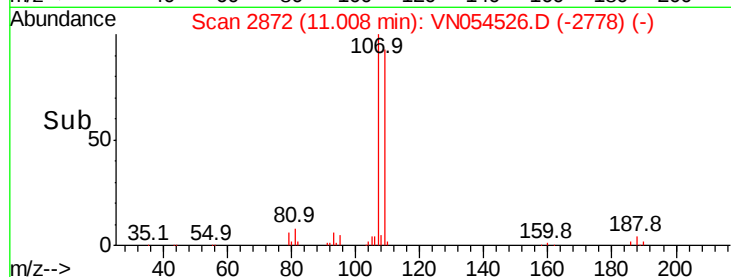
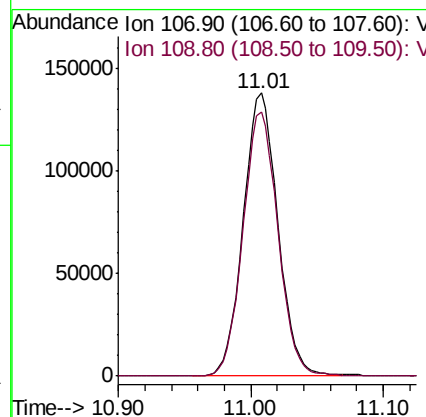
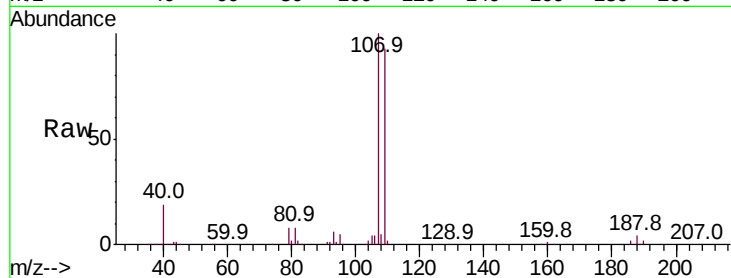
#61
 1,2-Dibromoethane
 Concen: 52.273 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054526.D
 Acq: 21 Mar 2019 22:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 249864
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.9 113.9

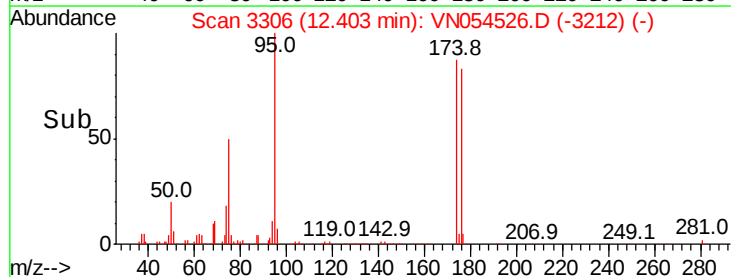
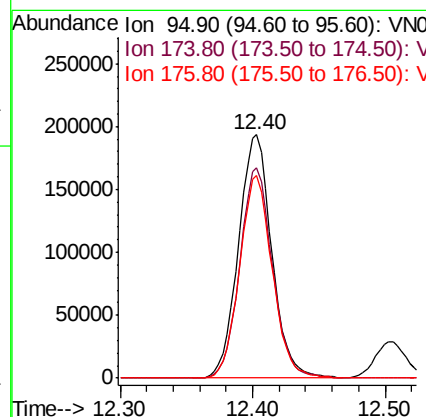
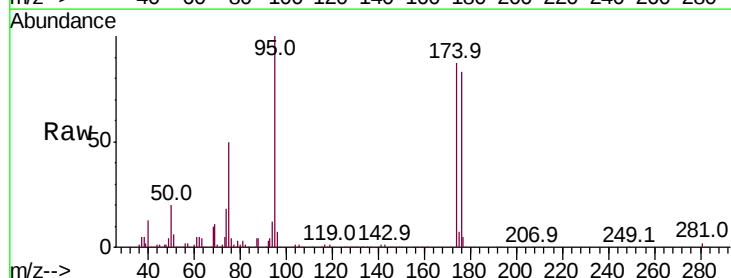
Manual Integrations
 APPROVED

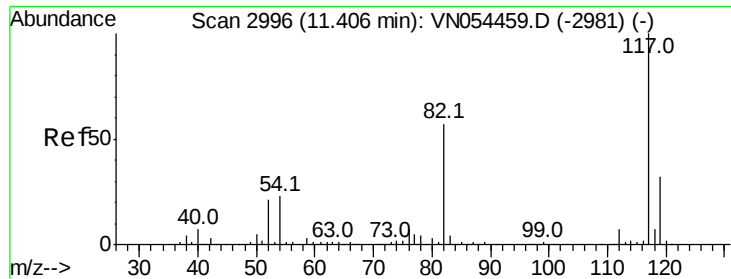
MMDadoda
 3/22/2019 4:15:42 PM



#62
 4-Bromofluorobenzene
 Concen: 50.064 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN054526.D
 Acq: 21 Mar 2019 22:07

Tgt Ion: 95 Resp: 337486
 Ion Ratio Lower Upper
 95 100
 174 84.9 0.0 191.0
 176 81.9 0.0 187.4





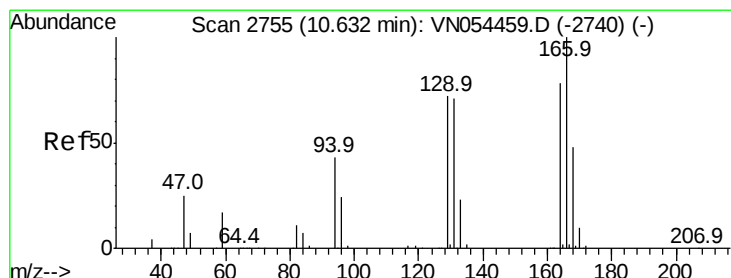
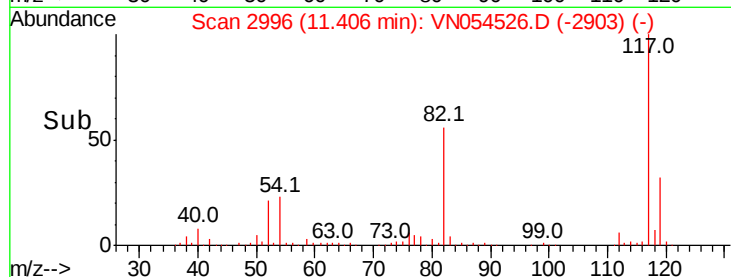
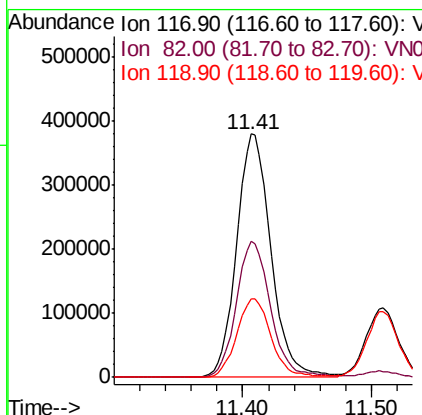
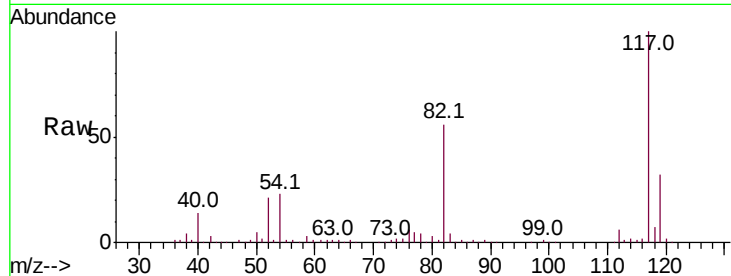
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.8	40.0	60.0
119	32.0	25.8	38.6

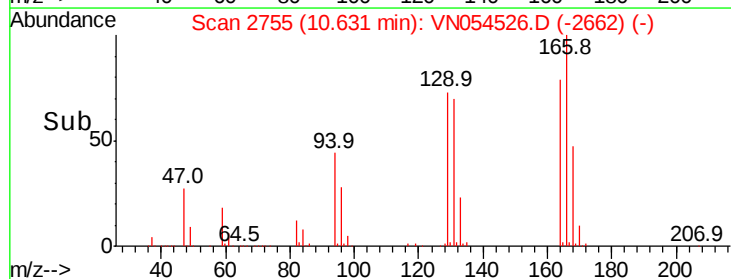
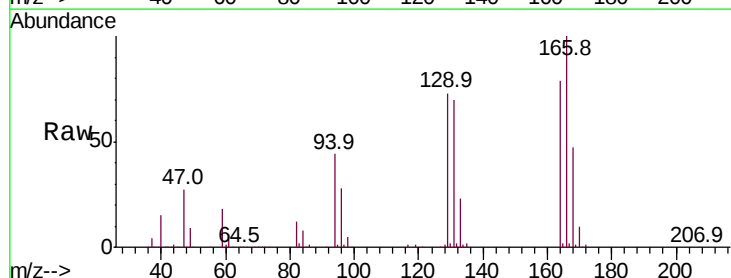
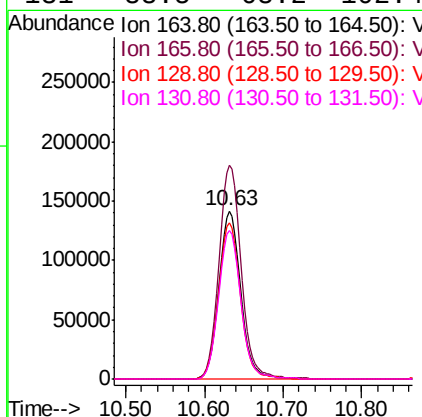
Manual Integrations
APPROVED

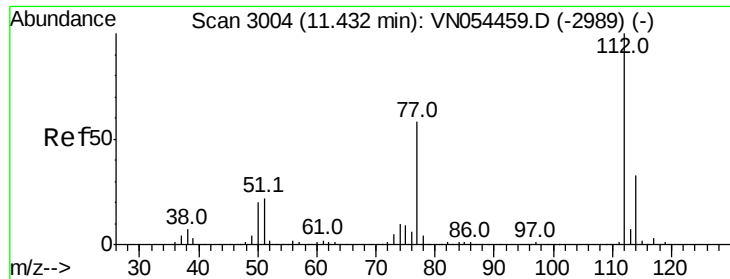
MMDadoda
3/22/2019 4:15:42 PM



#64
Tetrachloroethene
Concen: 46.493 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	103.9	155.9
129	92.9	71.1	106.7
131	88.5	68.2	102.4





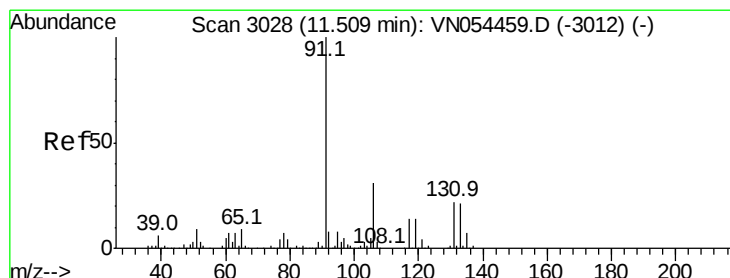
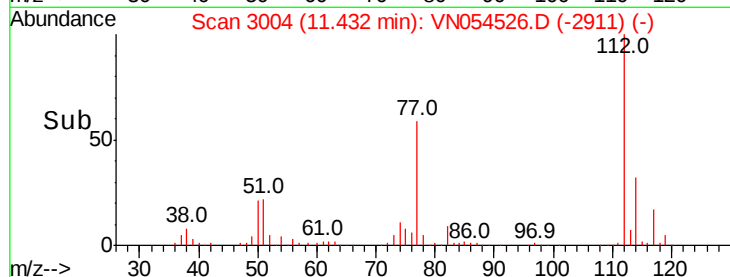
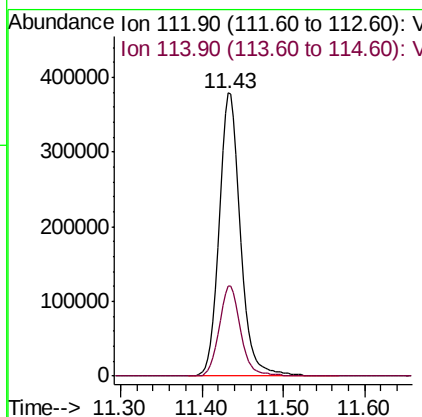
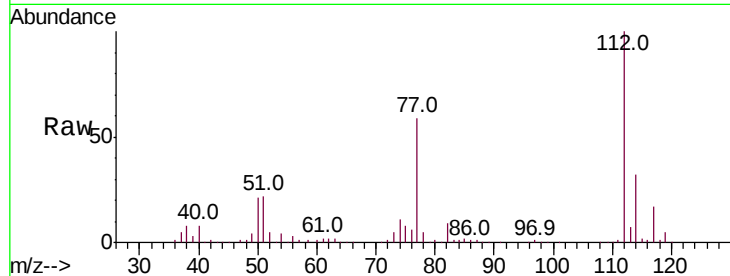
#65
Chlorobenzene
Concen: 48.958 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 701628
Ion Ratio Lower Upper
112 100
114 31.9 25.9 38.9

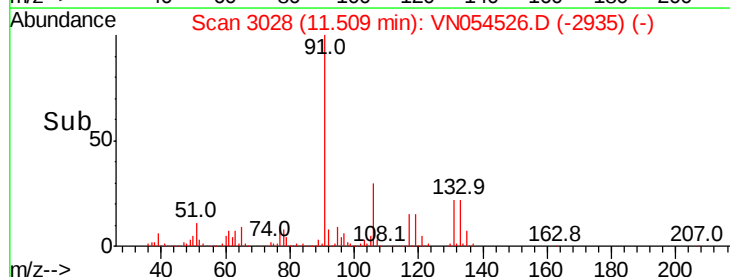
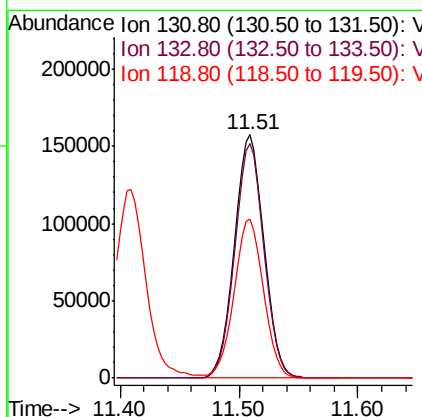
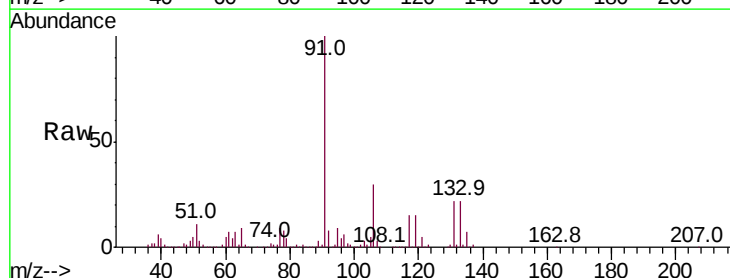
Manual Integrations
APPROVED

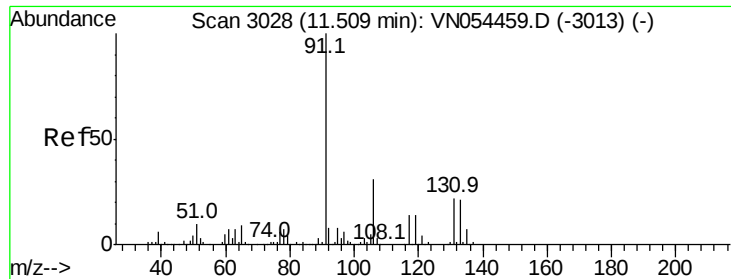
MMDadoda
3/22/2019 4:15:42 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.668 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Tgt Ion:131 Resp: 270920
Ion Ratio Lower Upper
131 100
133 95.1 47.6 142.9
119 65.2 32.4 97.0





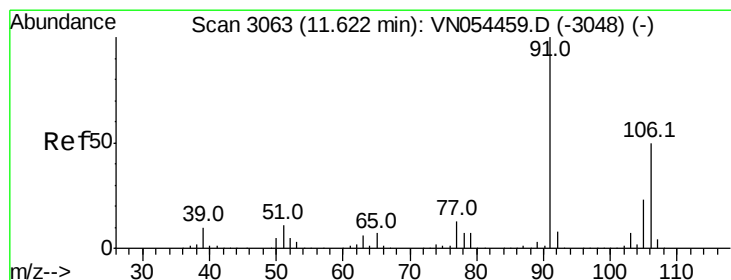
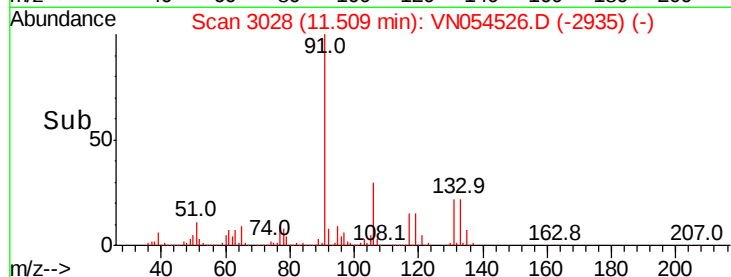
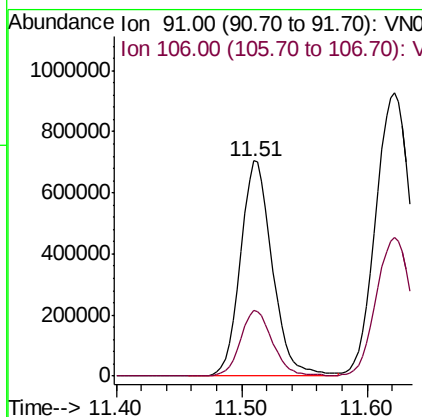
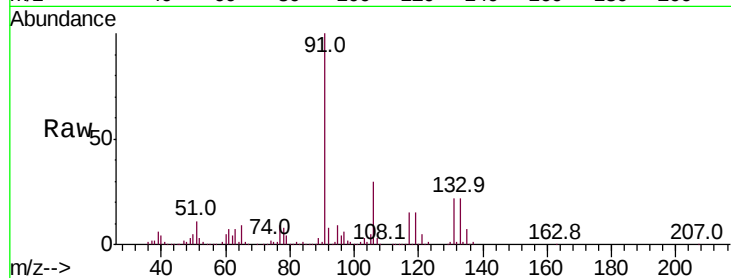
#67
Ethyl Benzene
Concen: 49.347 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1249238
Ion Ratio Lower Upper
91 100
106 30.3 25.5 38.3

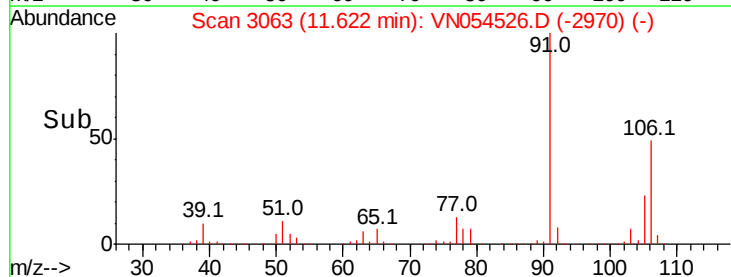
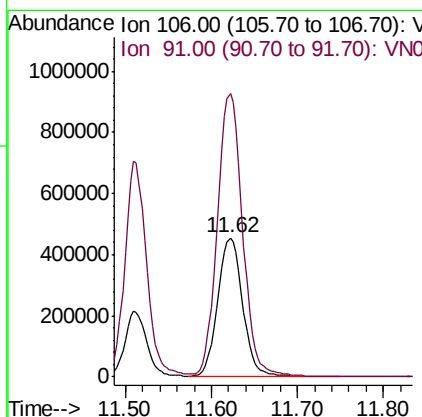
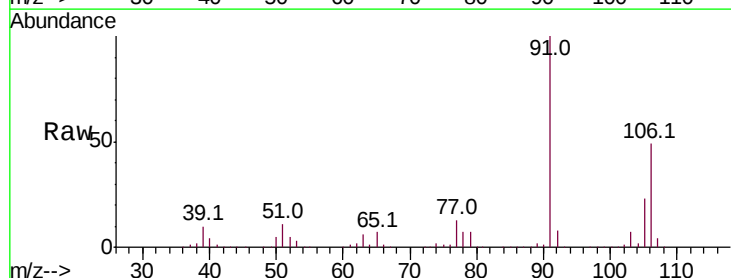
Manual Integrations
APPROVED

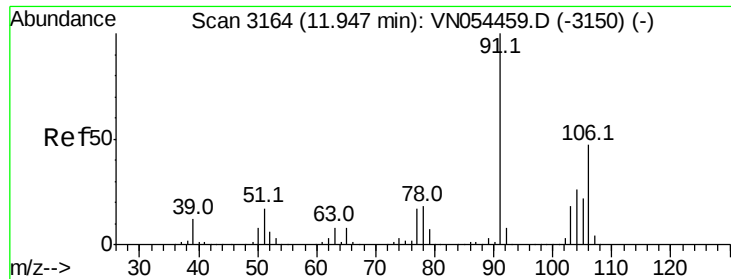
MMDadoda
3/22/2019 4:15:42 PM



#68
m/p-Xylenes
Concen: 96.754 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Tgt Ion: 106 Resp: 927754
Ion Ratio Lower Upper
106 100
91 205.2 159.4 239.2





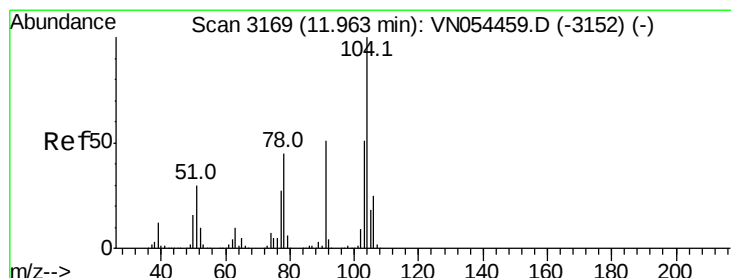
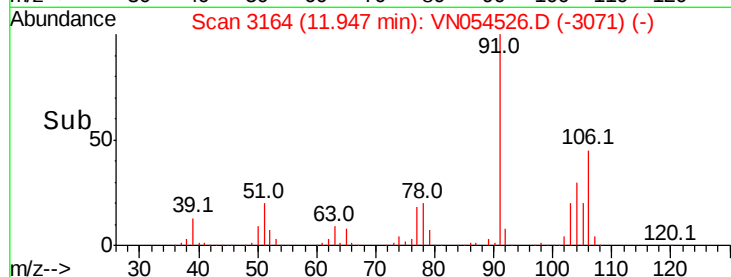
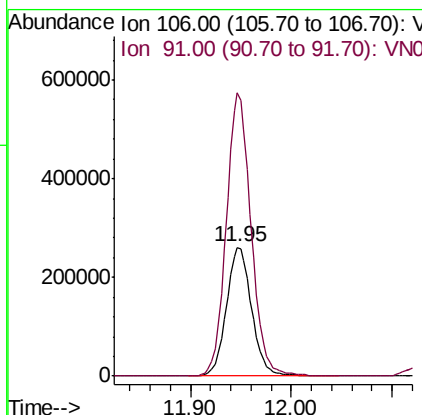
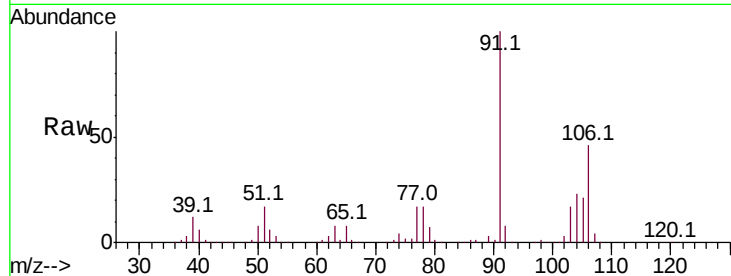
#69
o-Xylene
Concen: 48.530 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 454457
Ion Ratio Lower Upper
106 100
91 216.6 105.7 317.1

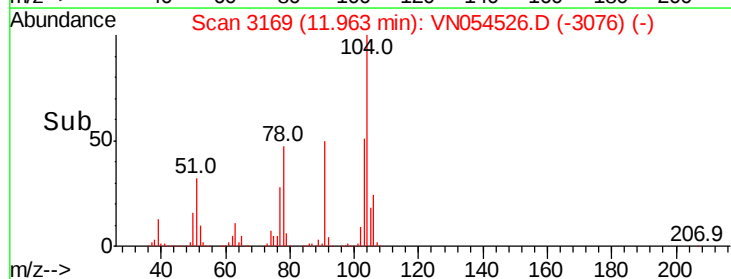
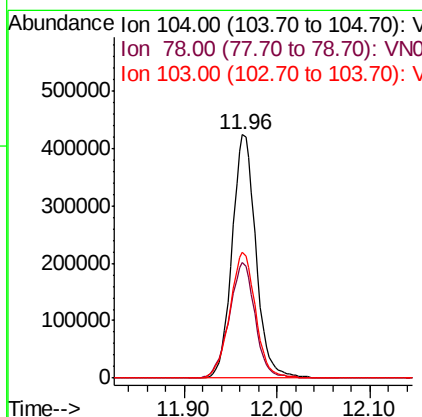
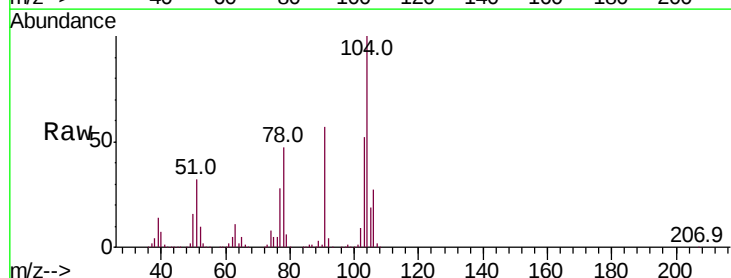
Manual Integrations
APPROVED

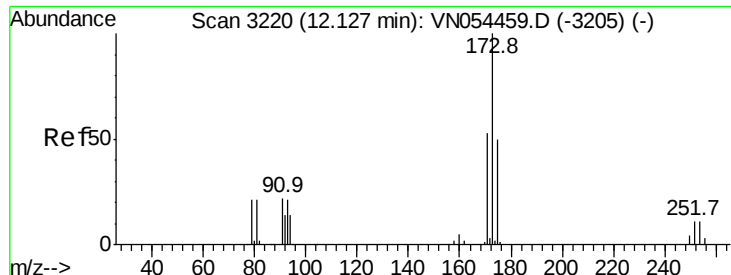
MMDadoda
3/22/2019 4:15:42 PM



#70
Styrene
Concen: 49.755 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Tgt Ion:104 Resp: 756627
Ion Ratio Lower Upper
104 100
78 51.5 38.2 57.2
103 55.9 44.4 66.6





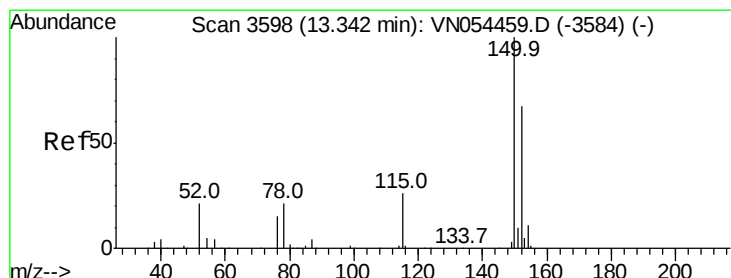
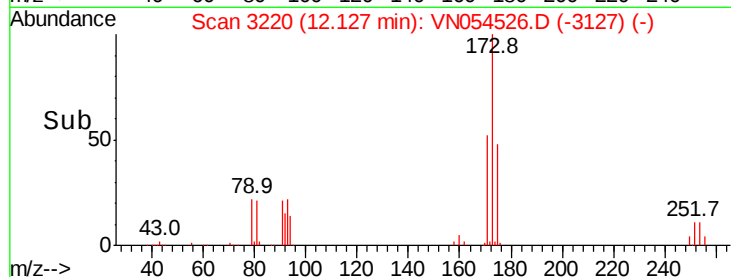
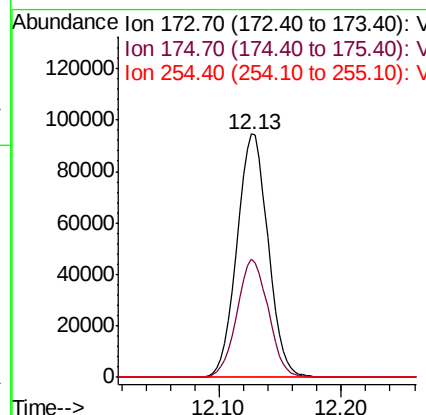
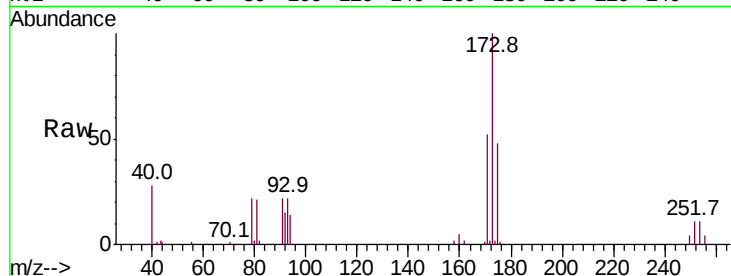
#71
Bromoform
Concen: 47.392 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.4	73.2
254	0.0	0.1	0.1#

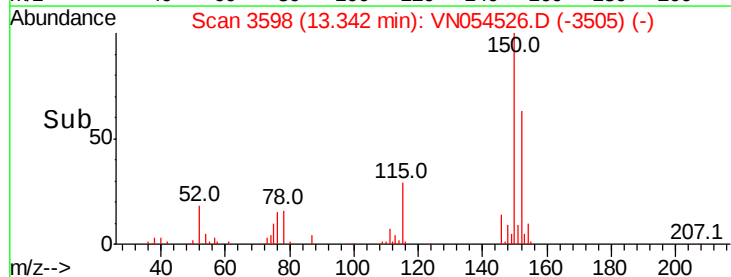
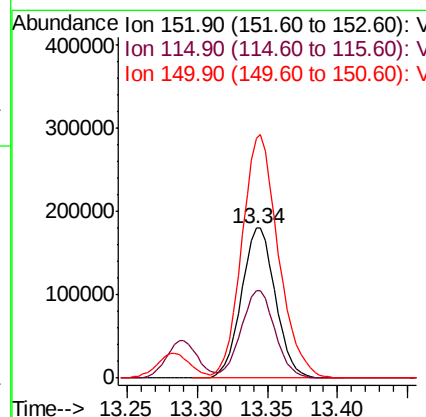
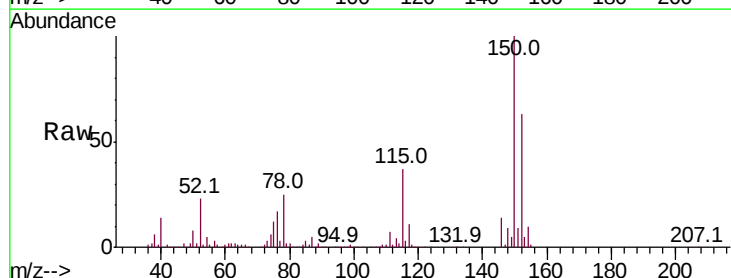
Manual Integrations
APPROVED

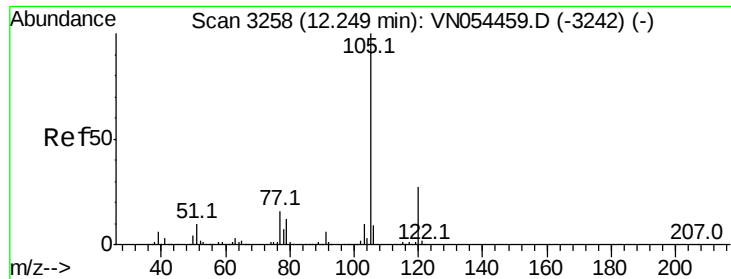
MMDadoda
3/22/2019 4:15:42 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.5	27.2	81.6
150	174.1	0.0	349.2





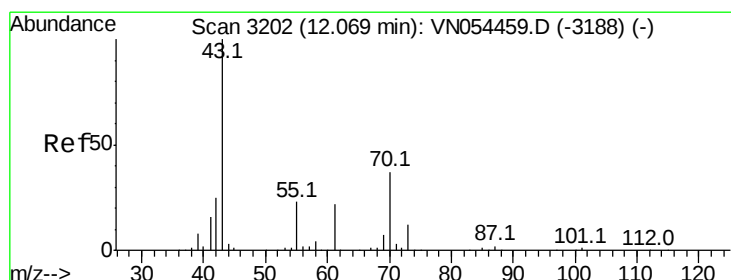
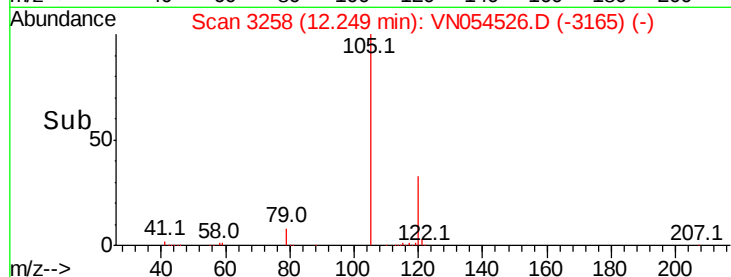
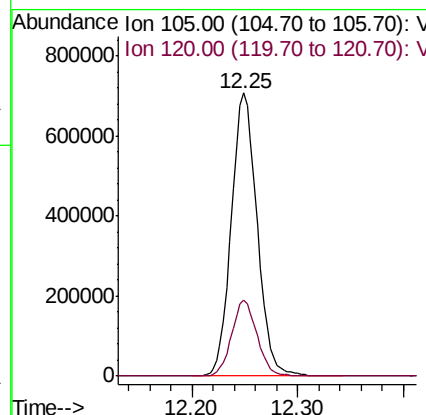
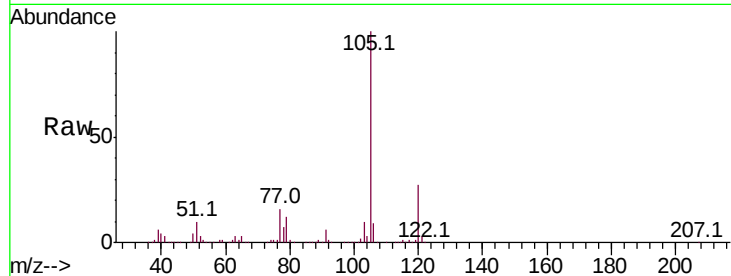
#73
Isopropylbenzene
Concen: 48.743 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:105 Resp: 1196042
Ion Ratio Lower Upper
105 100
120 26.5 13.8 41.3

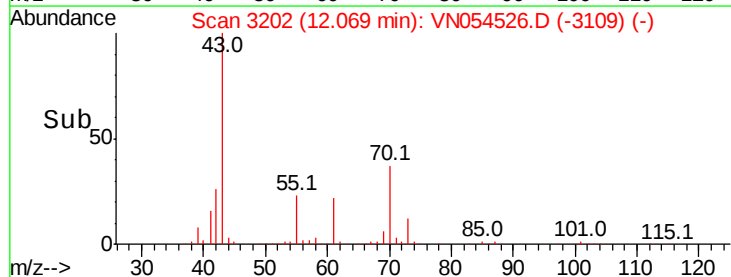
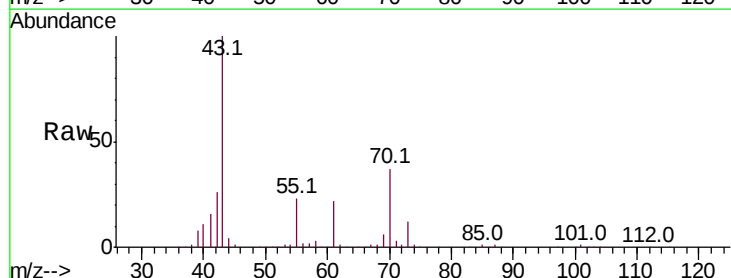
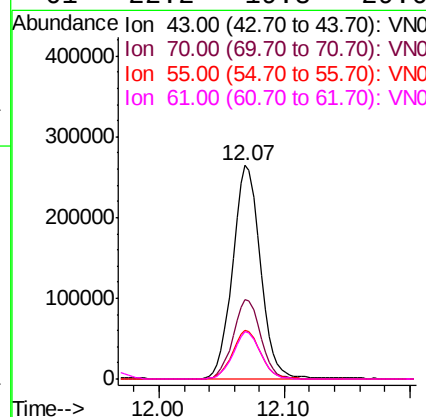
Manual Integrations
APPROVED

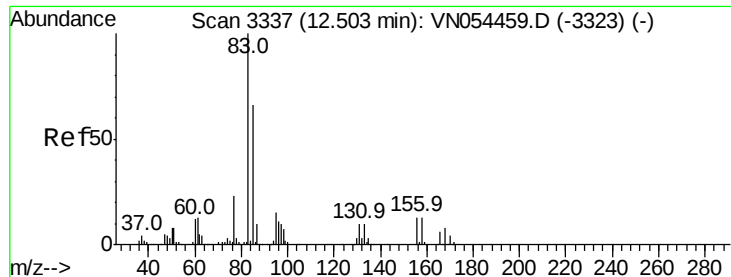
MMDadoda
3/22/2019 4:15:42 PM



#74
N-ethyl acetate
Concen: 57.373 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Tgt Ion: 43 Resp: 404798
Ion Ratio Lower Upper
43 100
70 37.1 35.4 53.0
55 23.4 19.8 29.6
61 22.2 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 54.122 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 303158

Ion Ratio Lower Upper

83 100

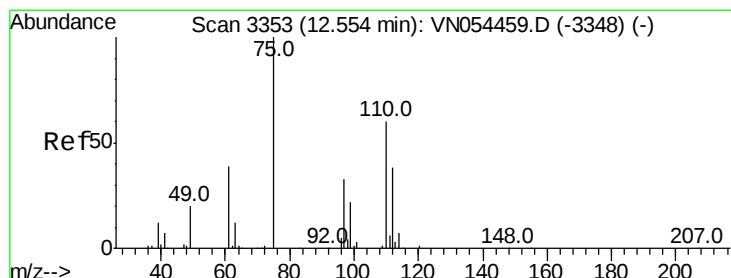
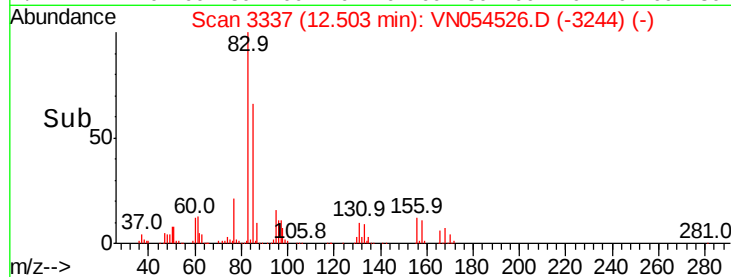
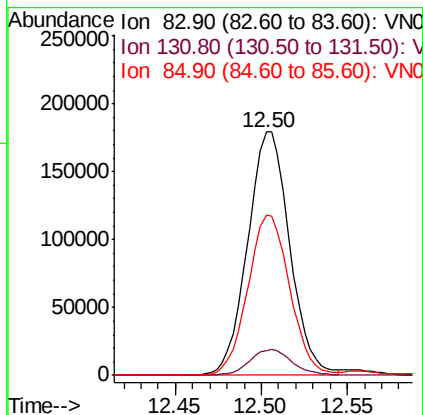
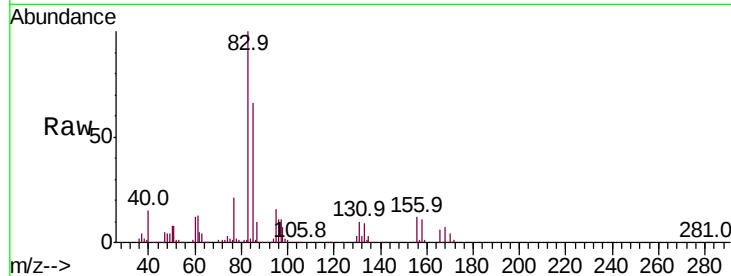
131 10.8 5.8 17.4

85 65.9 32.2 96.6

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#76

1,2,3-Trichloropropane

Concen: 57.752 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054526.D

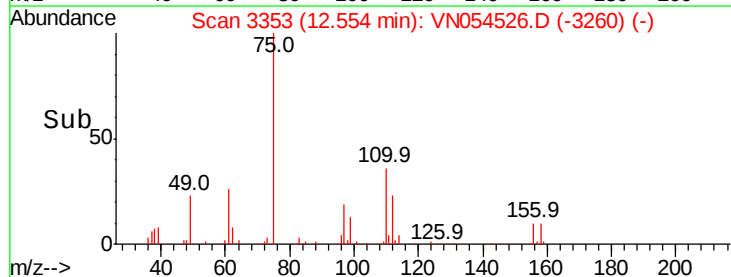
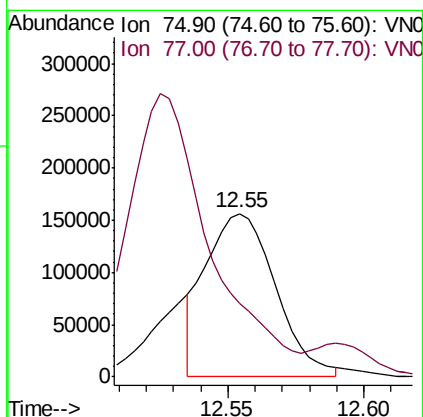
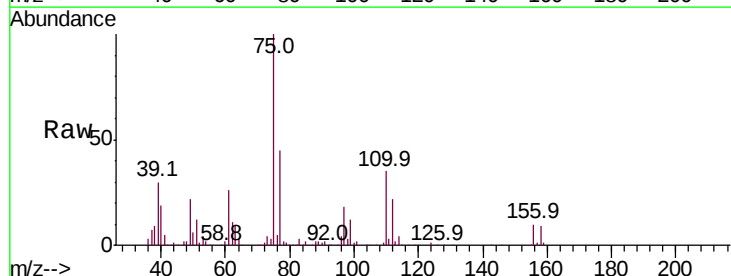
Acq: 21 Mar 2019 22:07

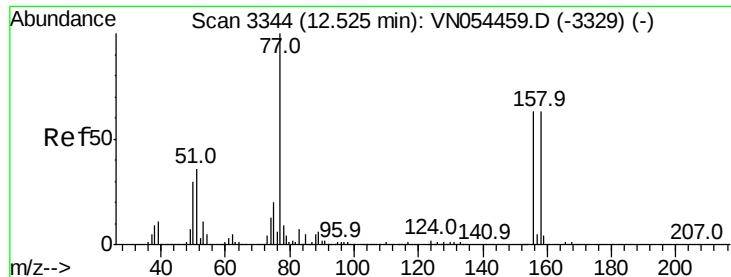
Tgt Ion: 75 Resp: 279064

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 49.320 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Instrument :

MSVOA_N

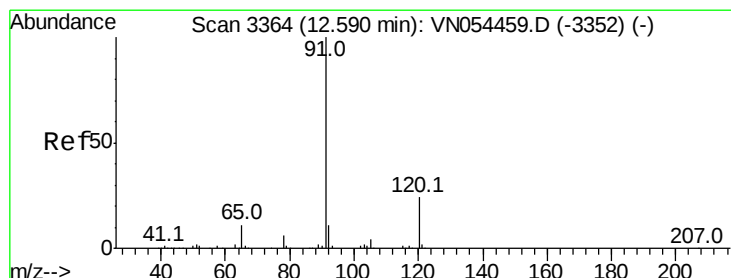
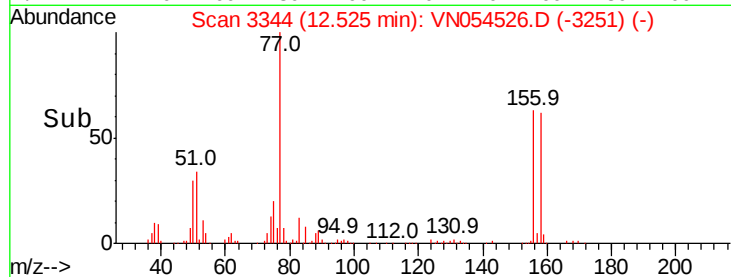
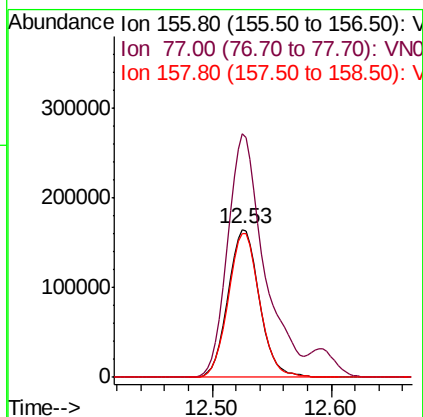
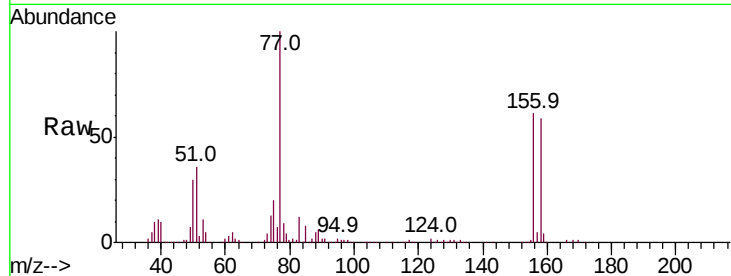
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	300148
Ion Ratio	Lower	Upper	
156	100		
77	191.9	81.5	244.4
158	97.5	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 49.079 ug/l

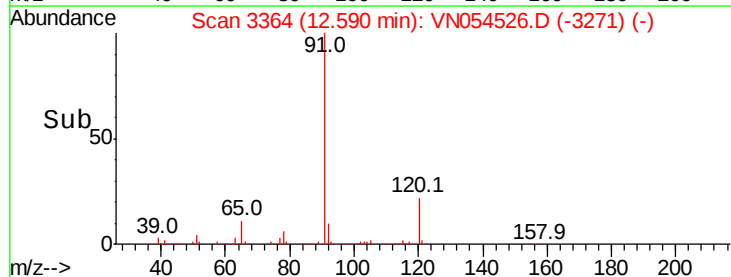
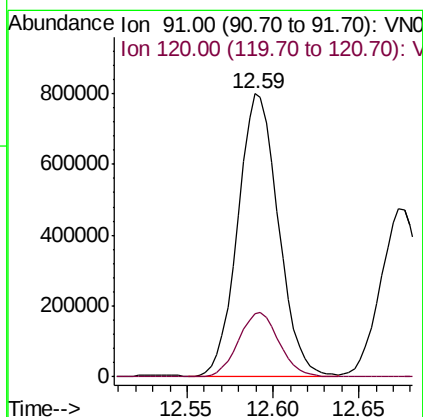
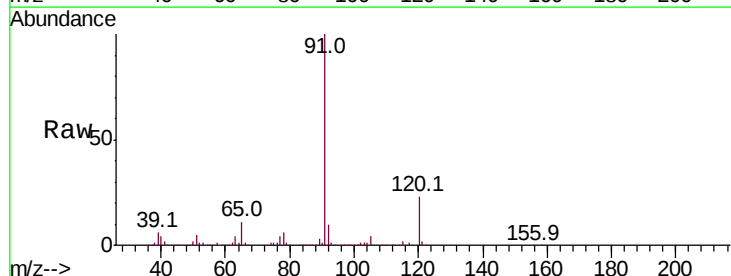
RT: 12.59 min Scan# 3364

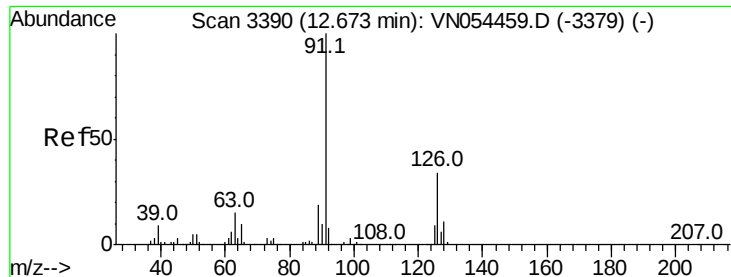
Delta R.T. -0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Tgt Ion:	91	Resp:	1305886
Ion Ratio	Lower	Upper	
91	100		
120	23.1	12.3	36.9





#79

2-Chlorotoluene

Concen: 48.401 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 803087

Ion Ratio Lower Upper

91 100

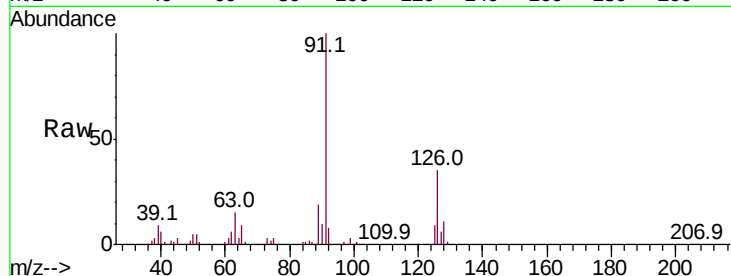
126 34.7 18.7 56.1

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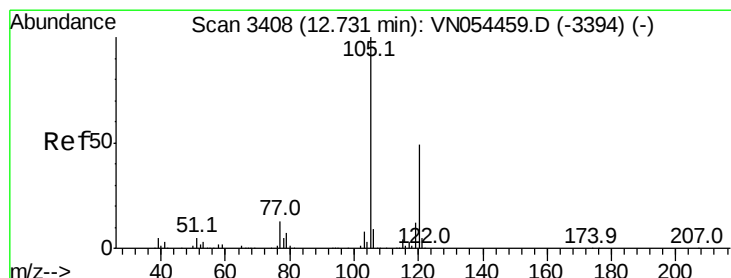
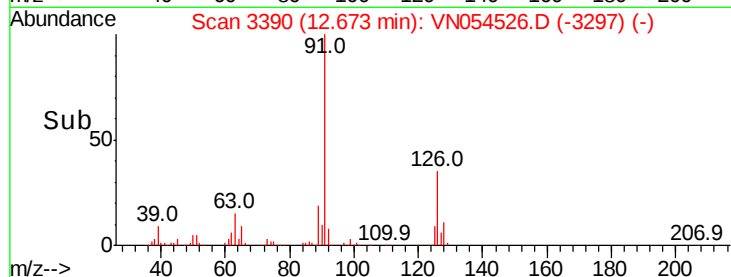
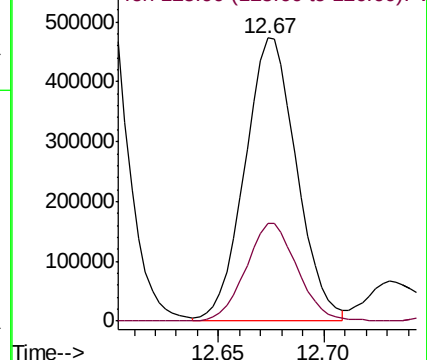
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Abundance Ion 91.00 (90.70 to 91.70): VN054459.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN054459.D (-3379) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.560 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054526.D

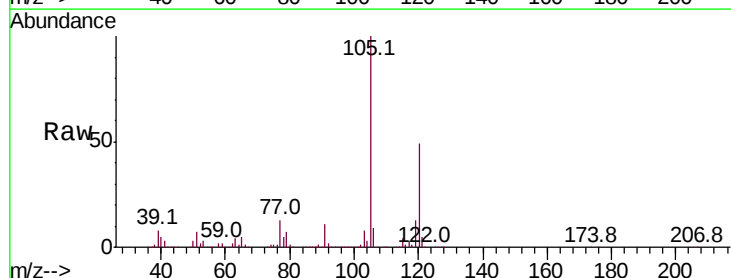
Acq: 21 Mar 2019 22:07

Tgt Ion: 105 Resp: 976579

Ion Ratio Lower Upper

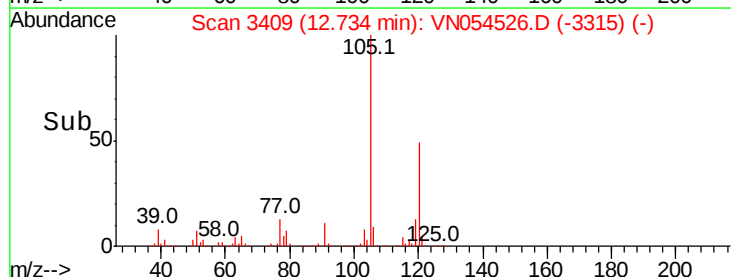
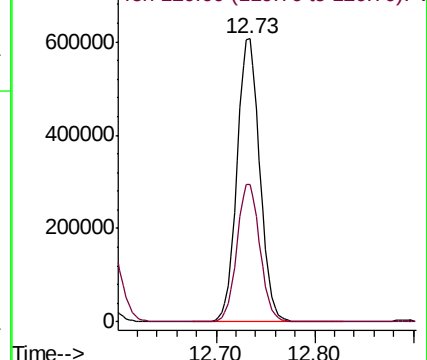
105 100

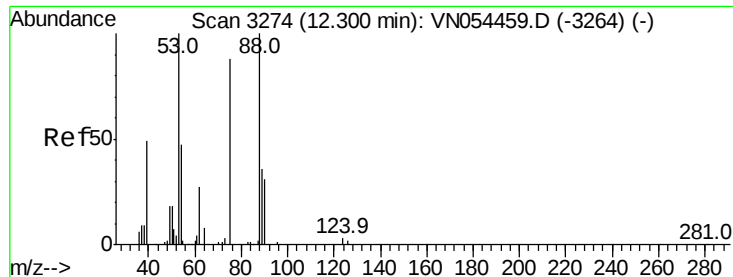
120 49.1 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054459.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN054459.D (-3394) (-)





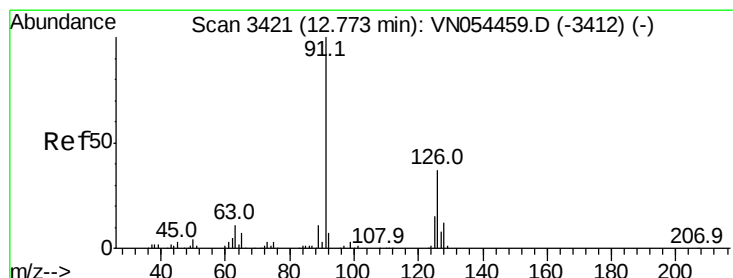
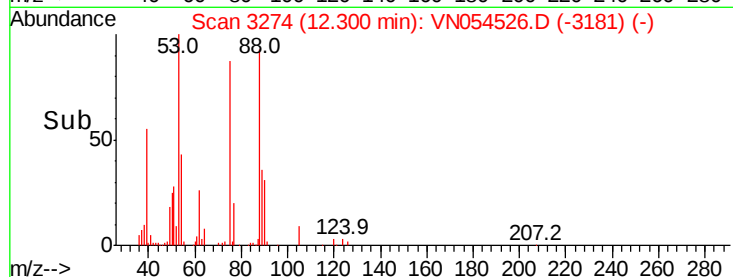
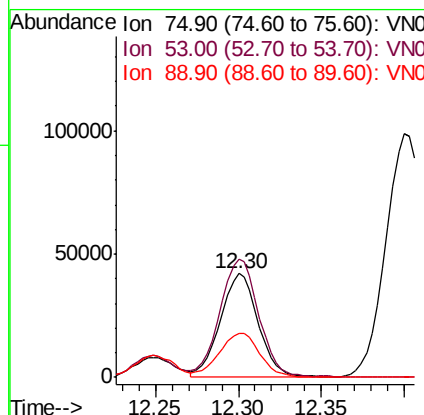
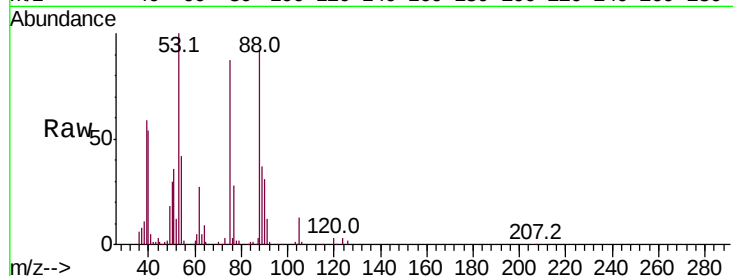
#81
trans-1,4-Dichloro-2-butene
Concen: 46.925 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	117.5	76.2	114.2#
89	46.8	39.2	58.8

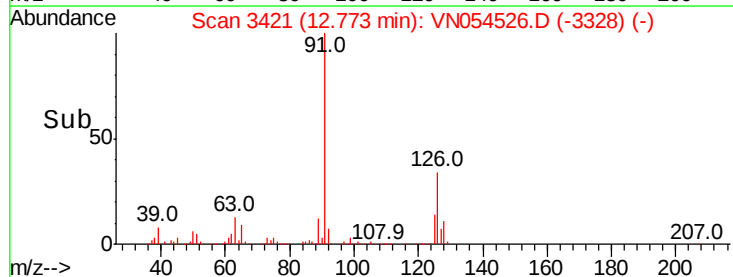
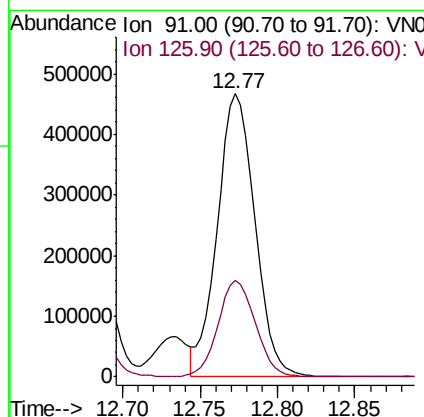
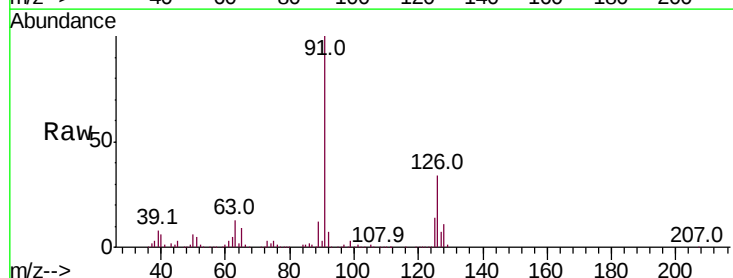
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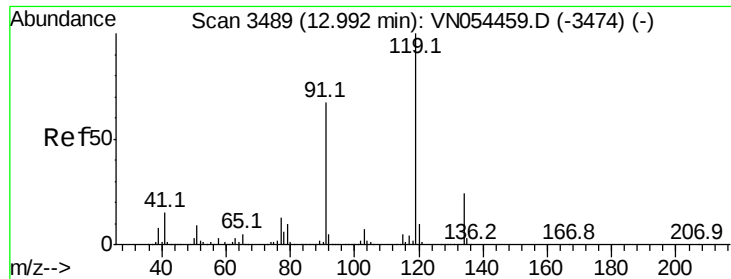
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#82
4-Chlorotoluene
Concen: 48.966 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.0	18.1	54.1





#83

tert-Butylbenzene

Concen: 48.709 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Instrument :

MSVOA_N

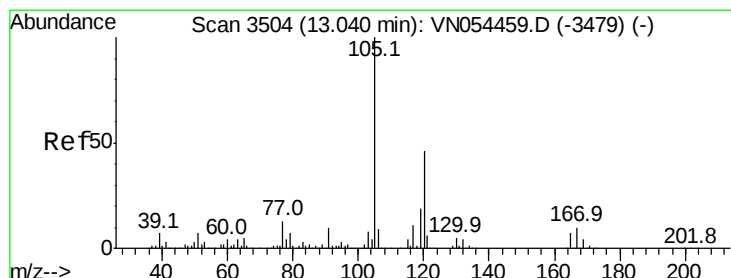
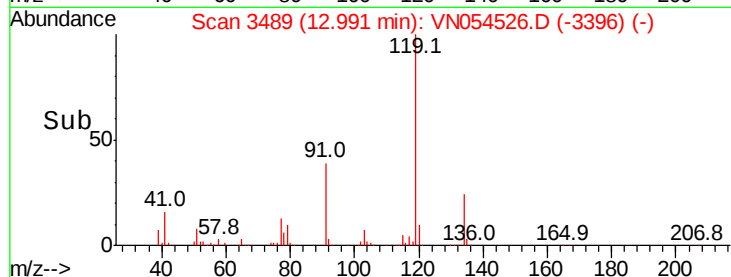
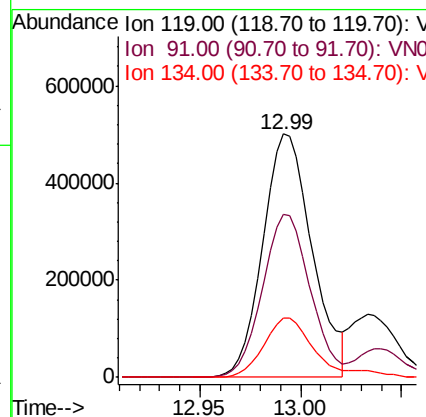
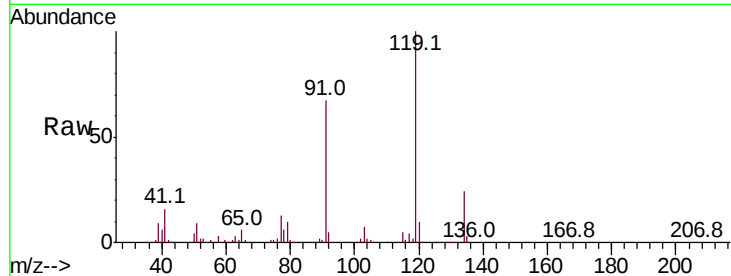
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	852672
Ion Ratio	Lower	Upper	
119	100		
91	64.7	30.9	92.8
134	25.8	13.2	39.6

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 49.265 ug/l

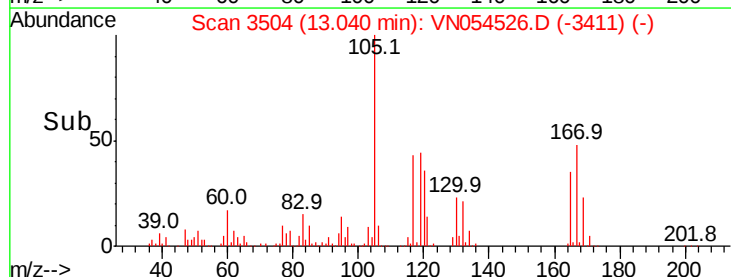
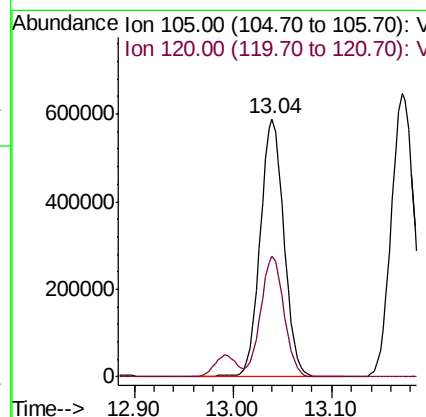
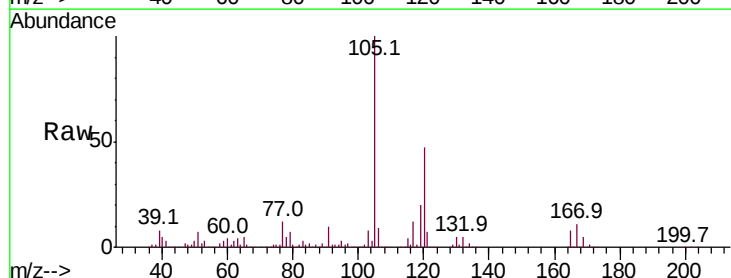
RT: 13.04 min Scan# 3504

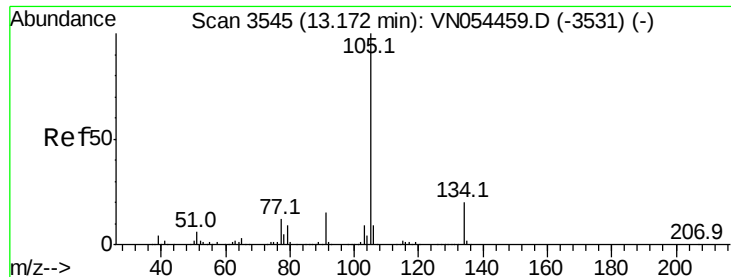
Delta R.T. -0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Tgt Ion:	105	Resp:	972164
Ion Ratio	Lower	Upper	
105	100		
120	46.0	23.4	70.3





#85

sec-Butylbenzene

Concen: 48.209 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1052029

Ion Ratio Lower Upper

105 100

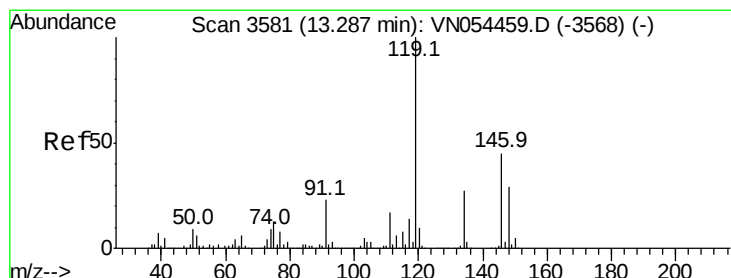
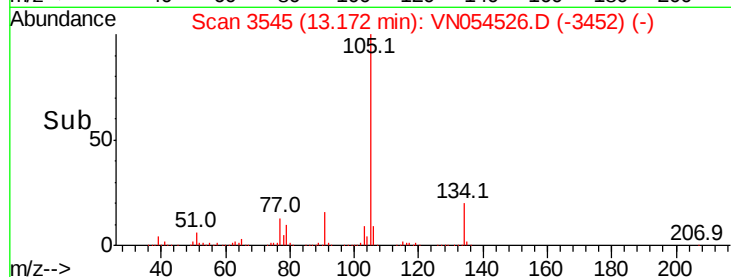
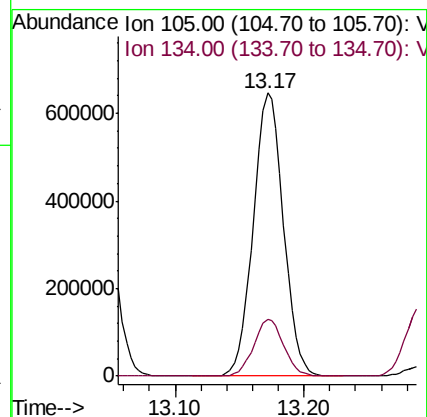
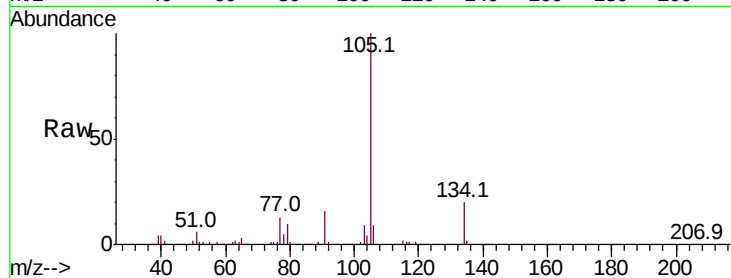
134 19.9 10.7 32.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 48.573 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

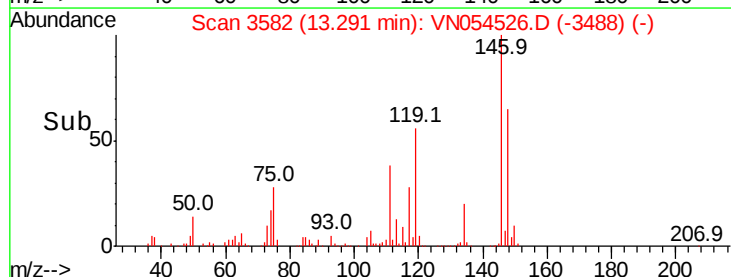
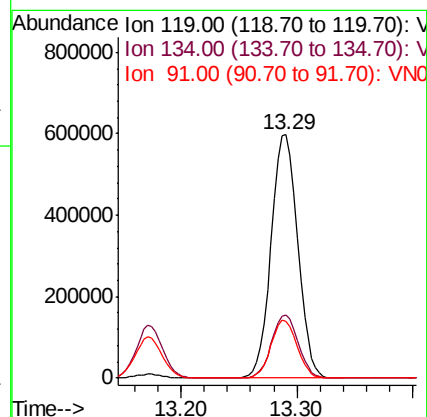
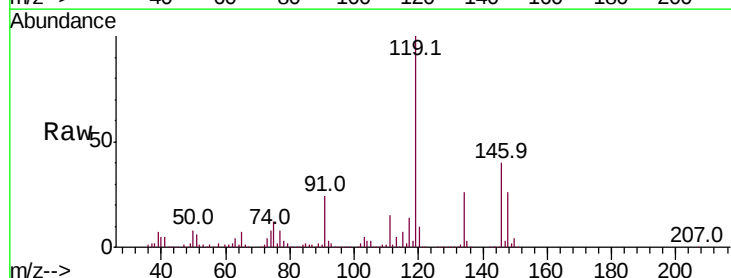
Tgt Ion:119 Resp: 948311

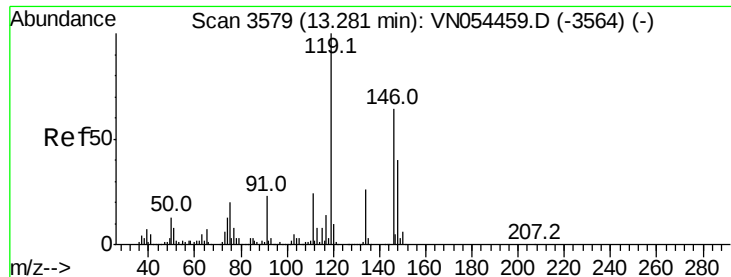
Ion Ratio Lower Upper

119 100

134 26.0 13.6 40.8

91 23.3 11.1 33.3





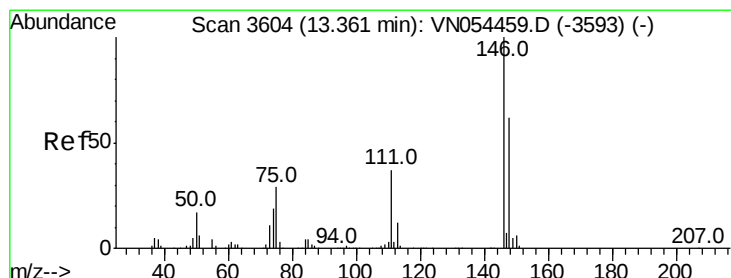
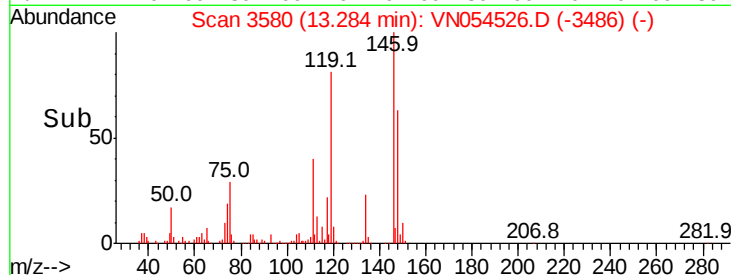
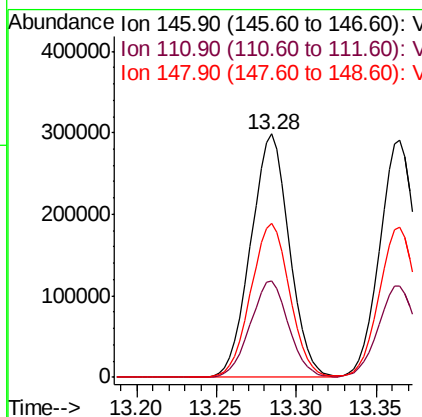
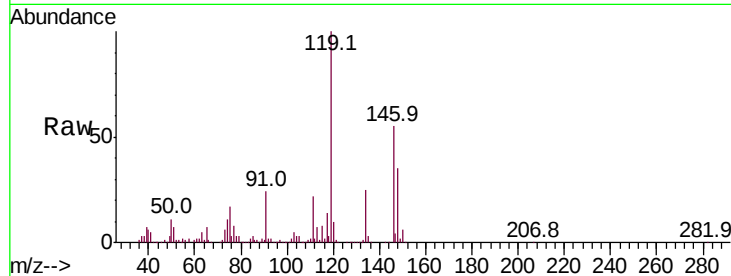
#87
 1,3-Dichlorobenzene
 Concen: 48.917 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054526.D
 Acq: 21 Mar 2019 22:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	18.8	56.3
148	63.9	32.2	96.6

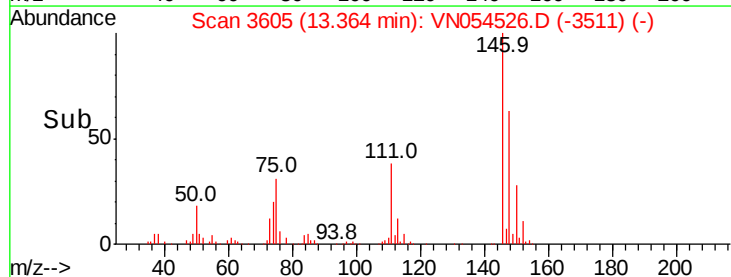
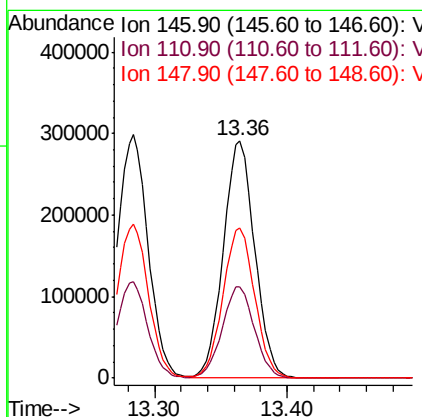
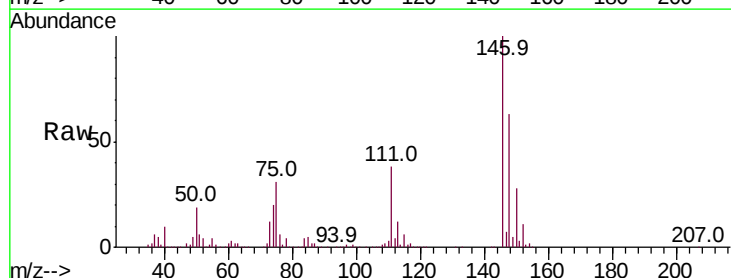
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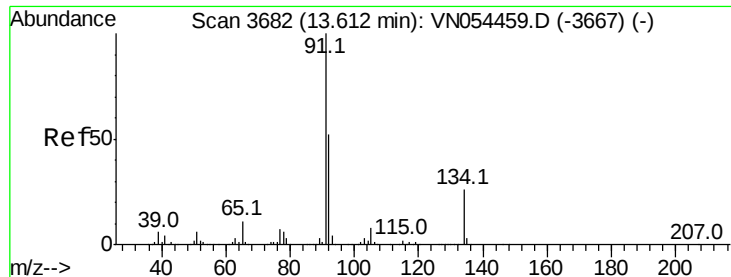
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#88
 1,4-Dichlorobenzene
 Concen: 48.806 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054526.D
 Acq: 21 Mar 2019 22:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	18.1	54.1
148	63.9	32.0	96.0





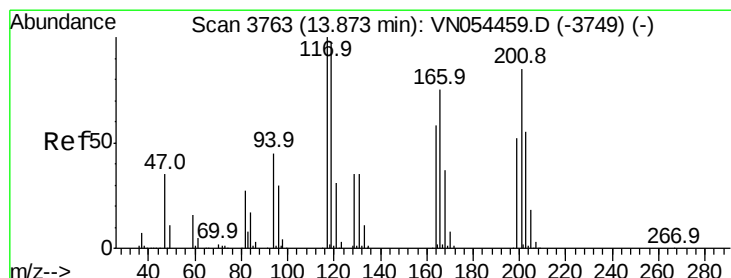
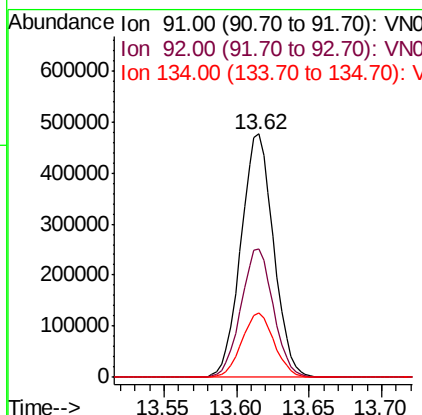
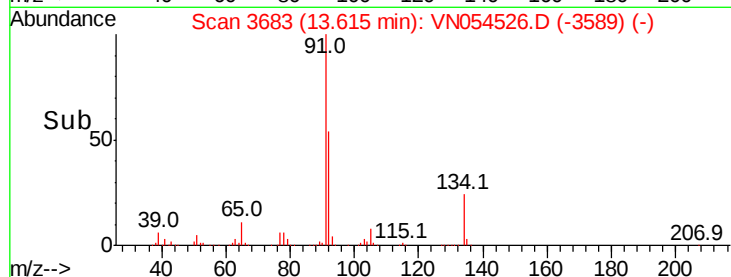
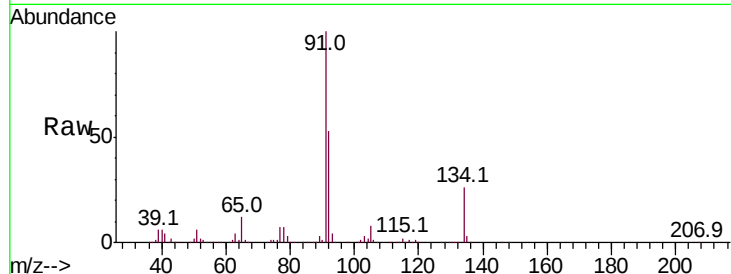
#89
n-Butylbenzene
Concen: 48.794 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.2	78.6
134	26.2	14.3	42.9

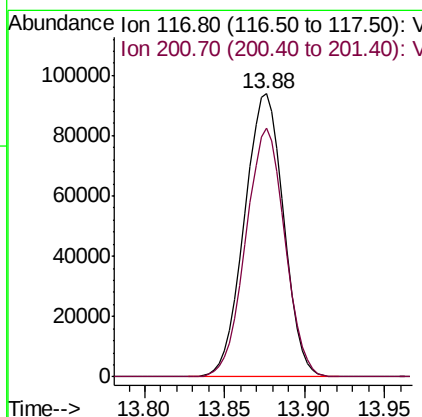
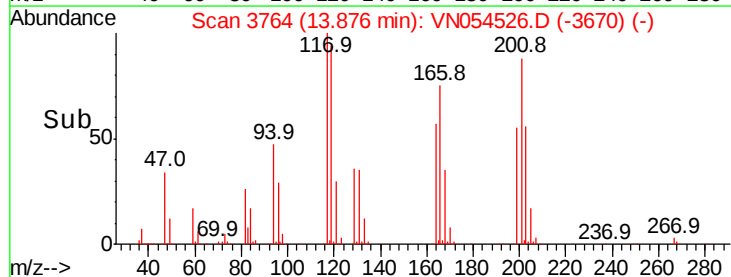
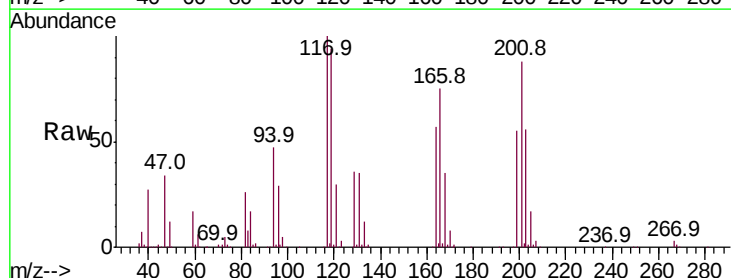
Manual Integrations
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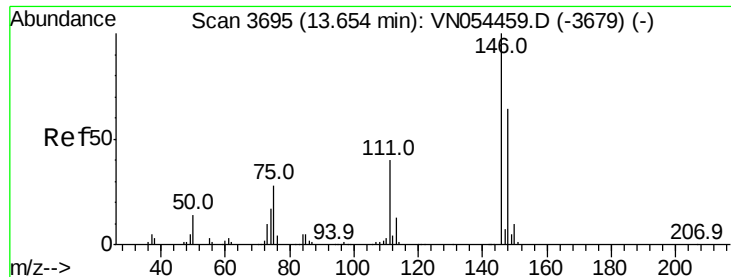
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#90
Hexachloroethane
Concen: 51.947 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054526.D
Acq: 21 Mar 2019 22:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.4	48.1	144.4





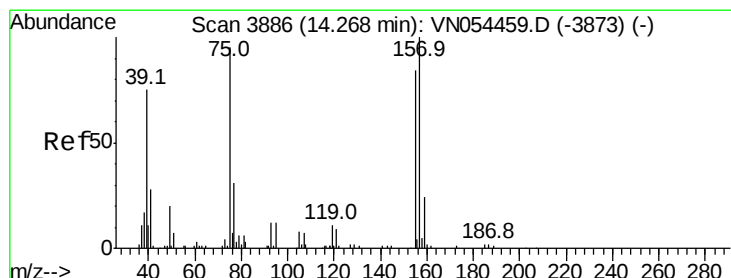
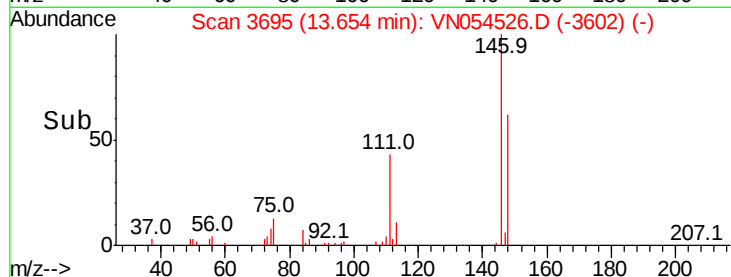
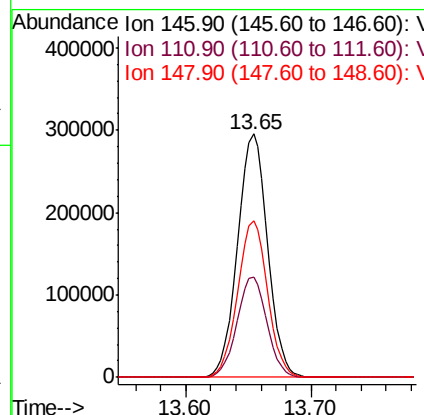
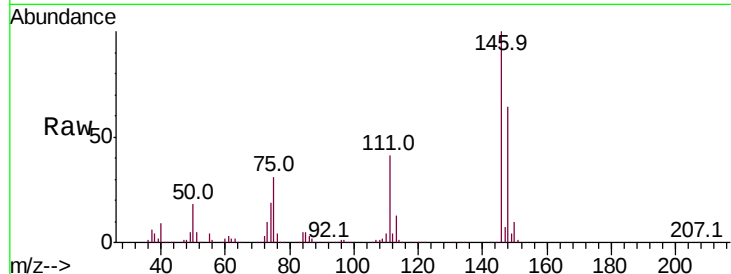
#91
 1,2-Dichlorobenzene
 Concen: 50.257 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN054526.D
 Acq: 21 Mar 2019 22:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	19.1	57.3
148	64.0	32.4	97.0

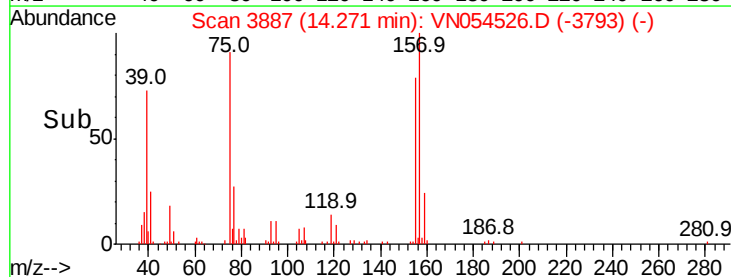
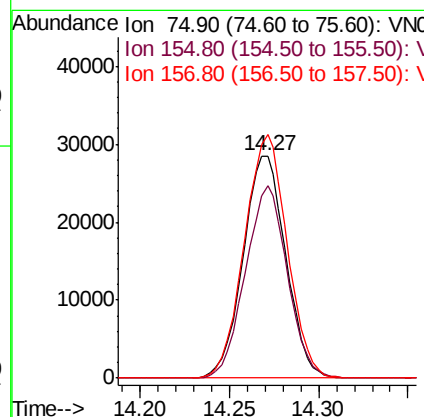
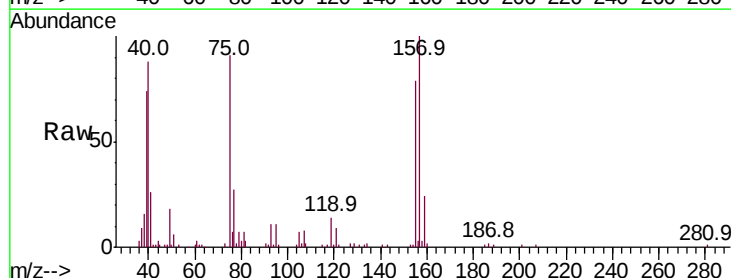
Manual Integrations
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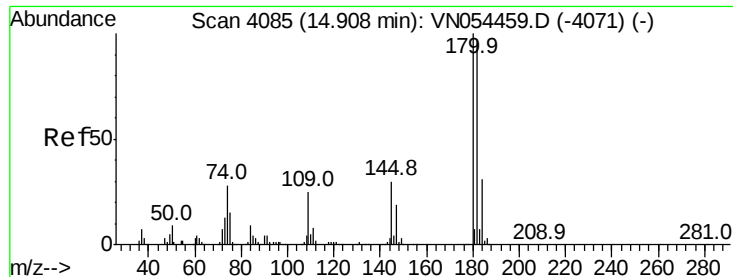
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.082 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN054526.D
 Acq: 21 Mar 2019 22:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.8	50.1	150.3
157	109.8	63.1	189.3





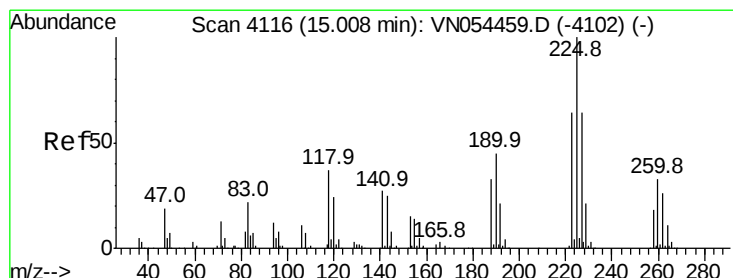
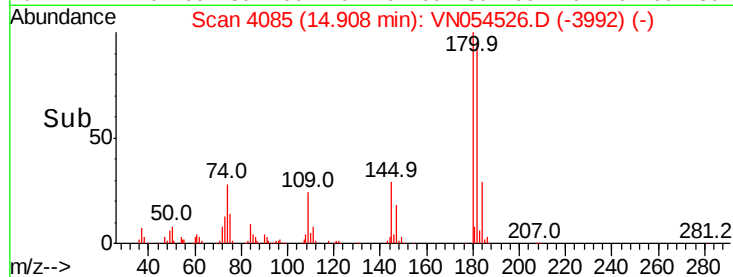
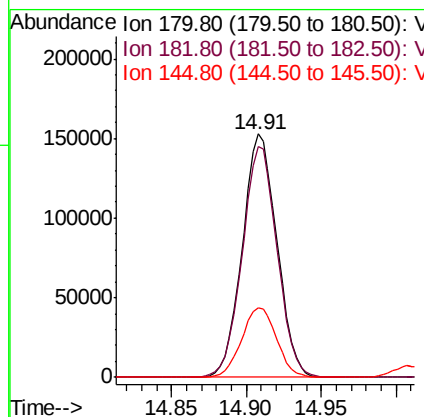
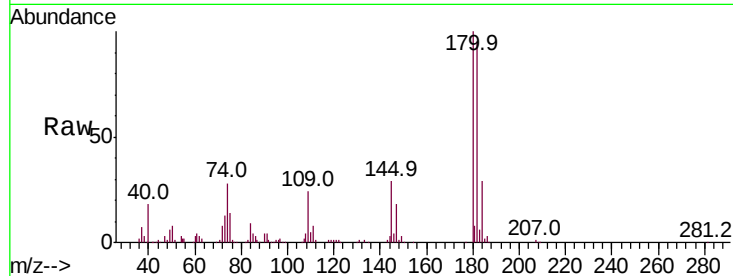
#93
 1,2,4-Trichlorobenzene
 Concen: 50.438 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054526.D
 Acq: 21 Mar 2019 22:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	180	Resp:	245608
Ion Ratio	Lower	Upper	
180	100		
182	95.5	48.0	144.2
145	28.9	14.2	42.8

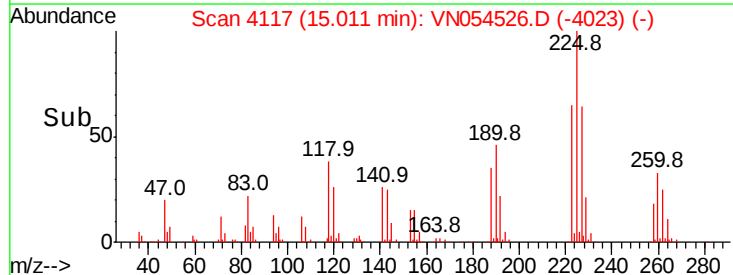
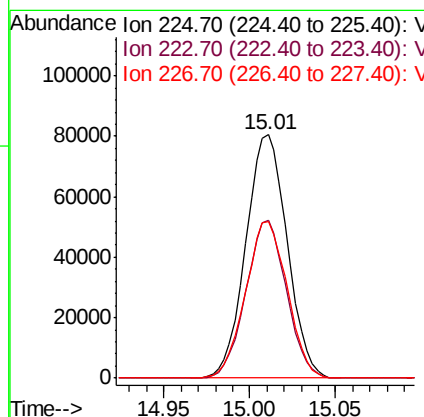
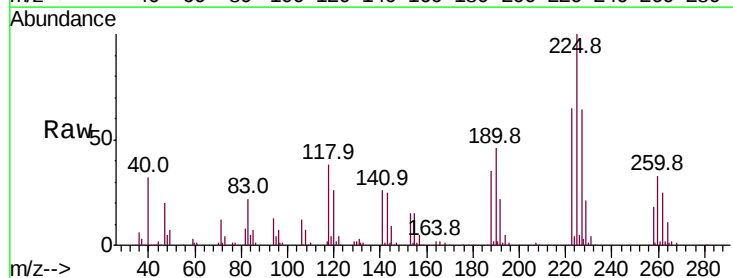
Manual Integrations
 APPROVED

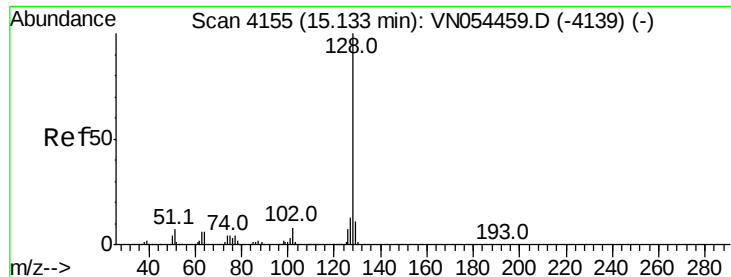
MMDadoda
 3/22/2019 4:15:42 PM



#94
 Hexachlorobutadiene
 Concen: 49.021 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054526.D
 Acq: 21 Mar 2019 22:07

Tgt Ion:	225	Resp:	134251
Ion Ratio	Lower	Upper	
225	100		
223	63.5	31.1	93.5
227	64.9	31.9	95.9





#95

Naphthalene

Concen: 52.932 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Instrument :

MSVOA_N

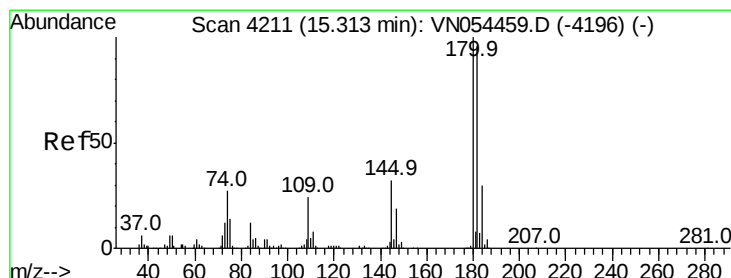
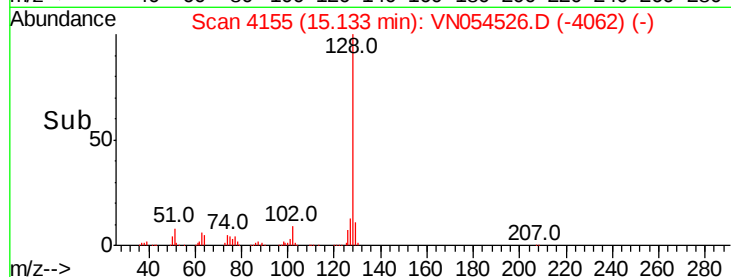
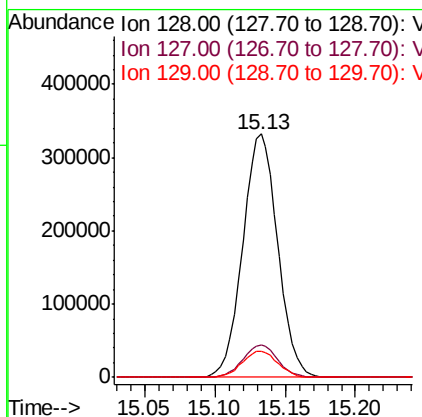
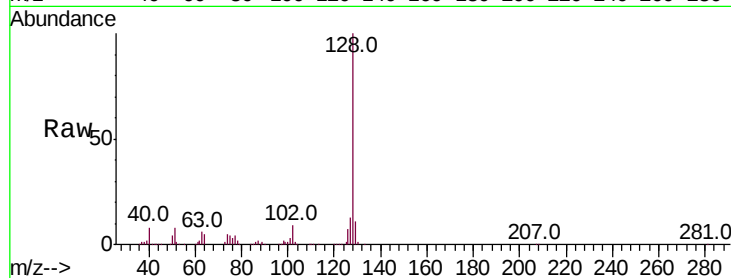
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	574936
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.1	15.1
129	11.0	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 51.073 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN054526.D

Acq: 21 Mar 2019 22:07

Tgt Ion:	180	Resp:	247529
Ion Ratio	Lower	Upper	
180	100		
182	96.2	47.5	142.6
145	30.5	14.8	44.3

