

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032319\
 Data File : VN054614.D
 Acq On : 23 Mar 2019 19:39
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 10:24:02 AM

Quant Time: Mar 25 04:40:23 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	7.66	168	430248	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	728303	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	632287	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	281875	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	299725	56.01	ug/l	0.00
Spiked Amount			Recovery	=	112.02%	
35) Dibromofluoromethane	7.59	113	239863	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	
50) Toluene-d8	10.09	98	871572	49.41	ug/l	0.00
Spiked Amount			Recovery	=	98.82%	
62) 4-Bromofluorobenzene	12.40	95	301263	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	217838	52.963	ug/l	99
3) Chloromethane	2.06	50	299731	53.560	ug/l	98
4) Vinyl Chloride	2.19	62	285233	50.767	ug/l	100
5) Bromomethane	2.57	94	159455	43.890	ug/l	98
6) Chloroethane	2.71	64	157835	46.835	ug/l	100
7) Trichlorofluoromethane	3.02	101	348580	51.087	ug/l	99
8) Diethyl Ether	3.41	74	123627	47.111	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	3.75	101	180684	45.058	ug/l	94
10) Methyl Iodide	3.95	142	273059	46.291	ug/l #	89
11) Tert butyl alcohol	4.82	59	93497	288.573	ug/l	99
12) 1,1-Dichloroethene	3.73	96	180743	43.554	ug/l #	77
13) Acrolein	3.61	56	32880	73.537	ug/l	98
14) Allyl chloride	4.32	41	432492	55.345	ug/l #	92
15) Acrylonitrile	5.00	53	473351	293.373	ug/l	99
16) Acetone	3.82	43	339579	211.055	ug/l #	83
17) Carbon Disulfide	4.04	76	552005	49.644	ug/l	100
18) Methyl Acetate	4.33	43	222286	61.984	ug/l #	89
19) Methyl tert-butyl Ether	5.05	73	676689	55.873	ug/l	94
20) Methylene Chloride	4.55	84	250138	52.740	ug/l #	82
21) trans-1,2-Dichloroethene	5.04	96	230325	54.354	ug/l #	84
22) Diisopropyl ether	5.96	45	912909	59.226	ug/l #	94
23) Vinyl Acetate	5.90	43	3362928	308.910	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	474155	57.131	ug/l	98
25) 2-Butanone	6.85	43	603920	293.012	ug/l	90
26) 2,2-Dichloropropane	6.82	77	295581	49.961	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	269137	53.248	ug/l	87
28) Bromochloromethane	7.19	49	237912	58.238	ug/l #	71
29) Tetrahydrofuran	7.22	42	416871	311.679	ug/l #	83
30) Chloroform	7.37	83	453564	55.999	ug/l	100
31) Cyclohexane	7.65	56	434198	54.776	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	381582	57.105	ug/l	96
36) 1,1-Dichloropropene	7.79	75	339039	49.788	ug/l	96
37) Ethyl Acetate	6.94	43	273895	56.551	ug/l	95
38) Carbon Tetrachloride	7.77	117	329577	49.804	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	358016	45.961	ug/l	89
40) Benzene	8.04	78	1009487	51.841	ug/l	100
41) Methacrylonitrile	7.18	41	145362	49.214	ug/l	90
42) 1,2-Dichloroethane	8.12	62	373017	52.601	ug/l	96
43) Isopropyl Acetate	8.17	43	483238	59.078	ug/l #	92
44) Trichloroethene	8.83	130	261650	48.330	ug/l	95
45) 1,2-Dichloropropane	9.12	63	289241	55.317	ug/l	97
46) Dibromomethane	9.21	93	166394	53.342	ug/l	88
47) Bromodichloromethane	9.40	83	350762	54.181	ug/l	98
48) Methyl methacrylate	9.20	41	245034	55.193	ug/l	88
49) 1,4-Dioxane	9.20	88	51442	1036.466	ug/l #	84
51) 4-Methyl-2-Pentanone	9.99	43	1338234	295.209	ug/l	93
52) Toluene	10.16	92	600682	50.154	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	339408	49.713	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	404538	54.498	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	228065	52.975	ug/l	96
56) Ethyl methacrylate	10.43	69	325140	56.268	ug/l #	82
57) 1,3-Dichloropropane	10.71	76	402042	53.722	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	607236	255.205	ug/l	90
59) 2-Hexanone	10.75	43	844393	285.170	ug/l	91
60) Dibromochloromethane	10.90	129	252439	55.105	ug/l	99
61) 1,2-Dibromoethane	11.01	107	223225	52.448	ug/l	100
64) Tetrachloroethene	10.63	164	234538	44.720	ug/l	96
65) Chlorobenzene	11.43	112	645752	50.214	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	248830	53.908	ug/l	99
67) Ethyl Benzene	11.51	91	1151517	50.691	ug/l	98
68) m/p-Xylenes	11.62	106	846374	98.366	ug/l	96
69) o-Xylene	11.95	106	419899	49.970	ug/l	97
70) Styrene	11.96	104	698873	51.215	ug/l	97
71) Bromoform	12.13	173	156330	49.164	ug/l #	100
73) Isopropylbenzene	12.25	105	1094099	48.168	ug/l	98
74) N-amyl acetate	12.07	43	380733	58.295	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	287167	55.384	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	239774m	53.606	ug/l	
77) Bromobenzene	12.53	156	276632	49.106	ug/l	86
78) n-propylbenzene	12.59	91	1202634	48.828	ug/l	97
79) 2-Chlorotoluene	12.67	91	742380	48.334	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	898142	48.245	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	64396	49.655	ug/l #	83
82) 4-Chlorotoluene	12.77	91	736655	49.480	ug/l	95
83) tert-Butylbenzene	12.99	119	770567	47.553	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	875160	47.911	ug/l	98
85) sec-Butylbenzene	13.17	105	962597	47.653	ug/l	97
86) p-Isopropyltoluene	13.29	119	859649	47.568	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	451582	48.373	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	441084	48.561	ug/l	98
89) n-Butylbenzene	13.61	91	682950	48.329	ug/l	98
90) Hexachloroethane	13.88	117	148404	52.903	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	449893	49.755	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	44534	58.557	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	220245	48.861	ug/l	98
94) Hexachlorobutadiene	15.01	225	122222	48.169	ug/l	99
95) Naphthalene	15.13	128	516454	51.366	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	222411	49.576	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054614.D

Acq: 23 Mar 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 430248

Ion Ratio Lower Upper

168 100

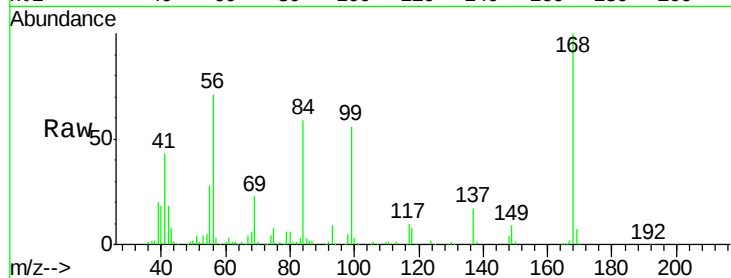
99 54.7 37.1 55.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

150000

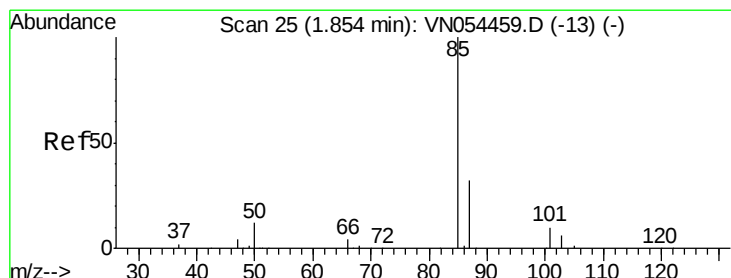
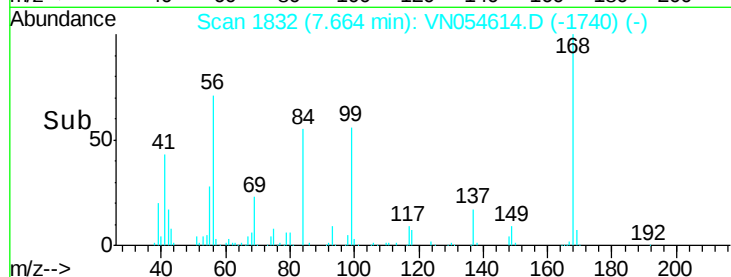
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 52.963 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054614.D

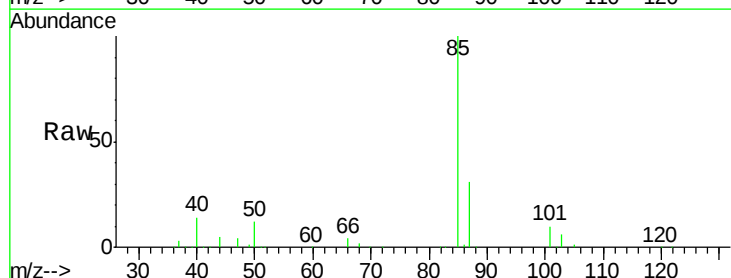
Acq: 23 Mar 2019 19:39

Tgt Ion: 85 Resp: 217838

Ion Ratio Lower Upper

85 100

87 31.5 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

150000

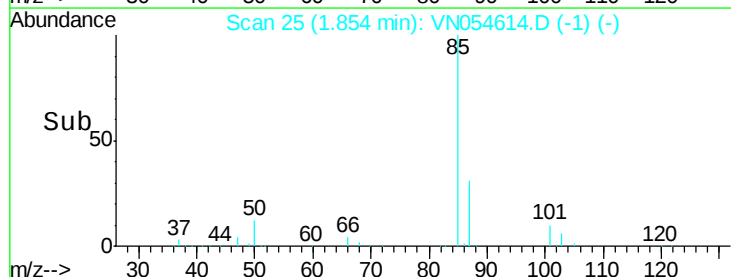
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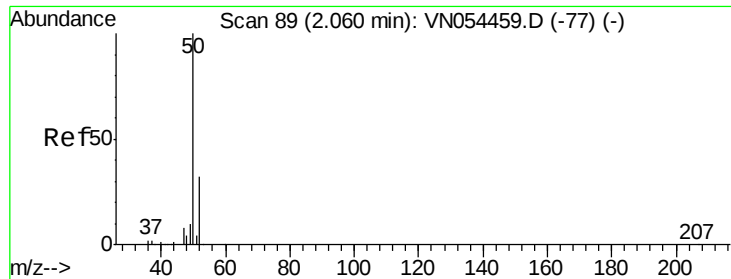
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 53.560 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054614.D

Acq: 23 Mar 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 299731

Ion Ratio Lower Upper

50 100

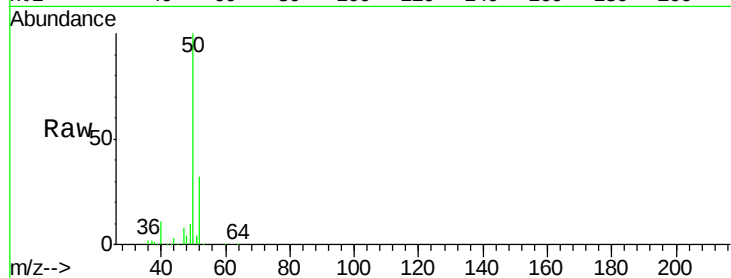
52 32.0 26.4 39.6

Manual Integrations

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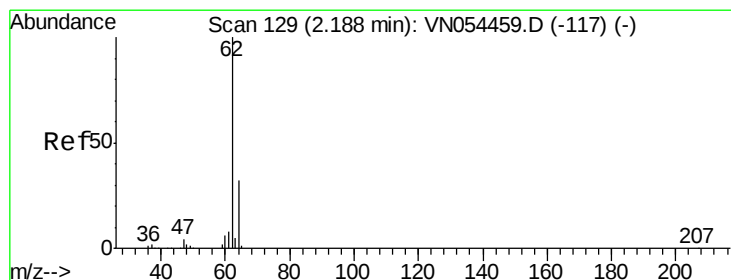
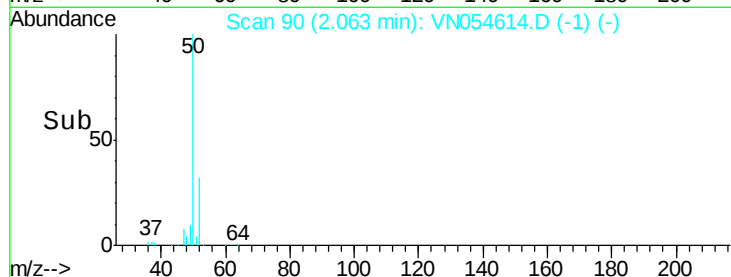
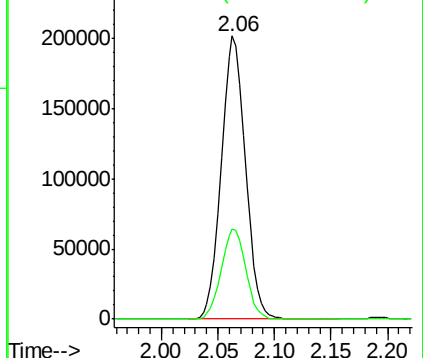
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 50.767 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054614.D

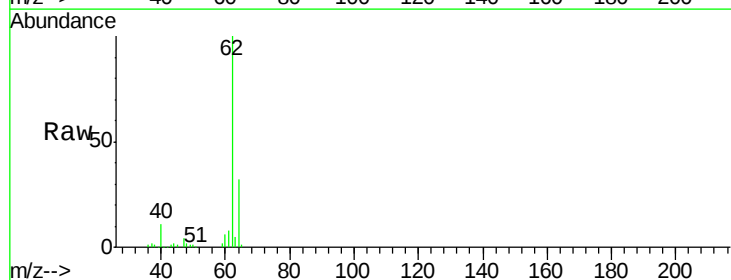
Acq: 23 Mar 2019 19:39

Tgt Ion: 62 Resp: 285233

Ion Ratio Lower Upper

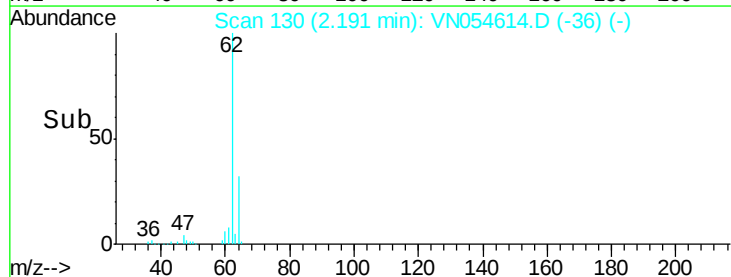
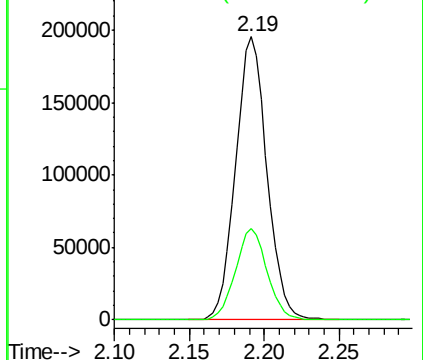
62 100

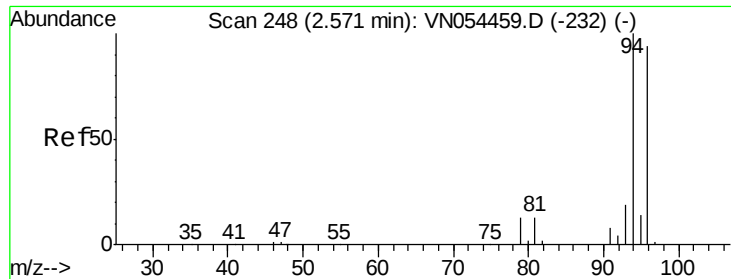
64 32.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 43.890 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN054614.D

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Tot Ion: 94 Resp: 159455

Ion Ratio Lower Upper

94 100

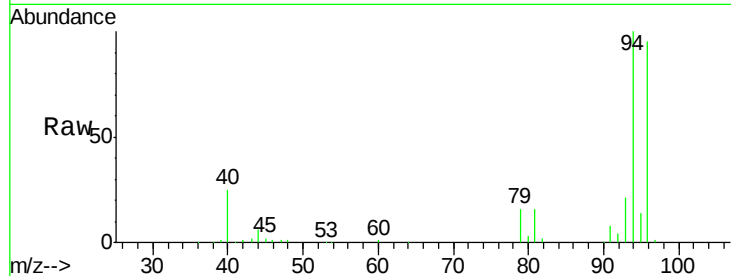
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Manual Integrations

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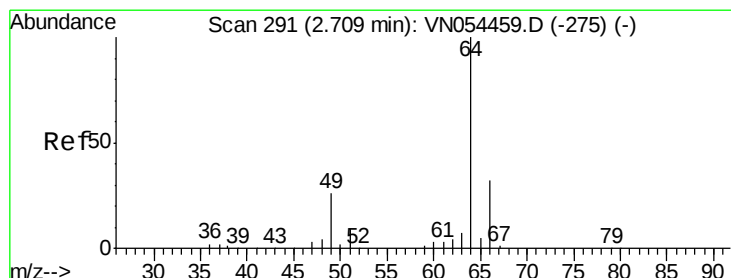
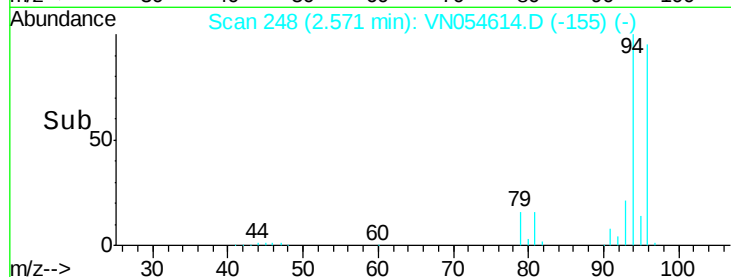
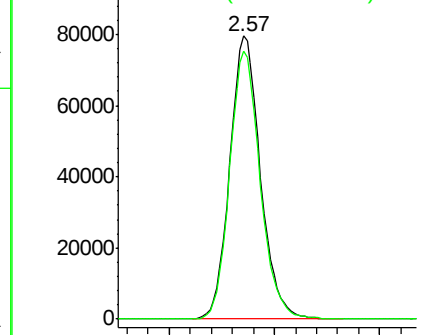
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 46.835 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054614.D

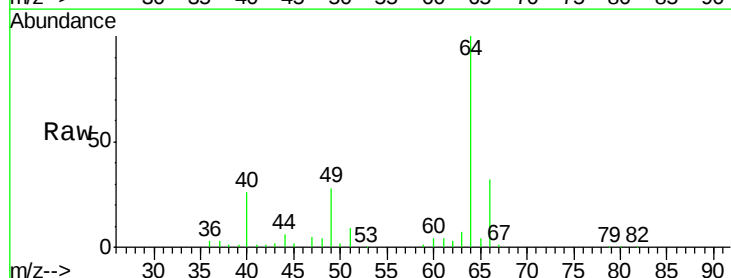
Acq: 23 Mar 2019 19:39

Tgt Ion: 64 Resp: 157835

Ion Ratio Lower Upper

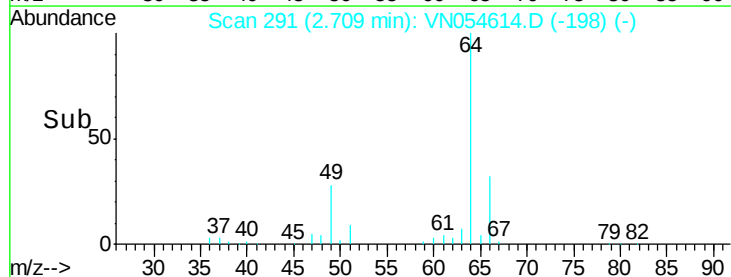
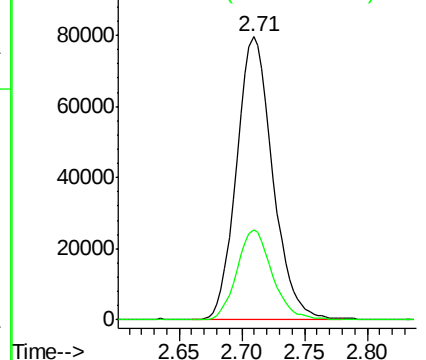
64 100

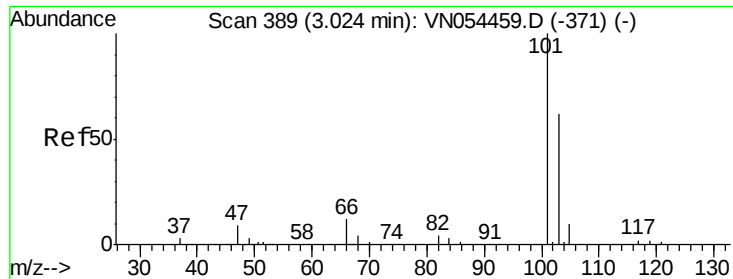
66 32.1 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

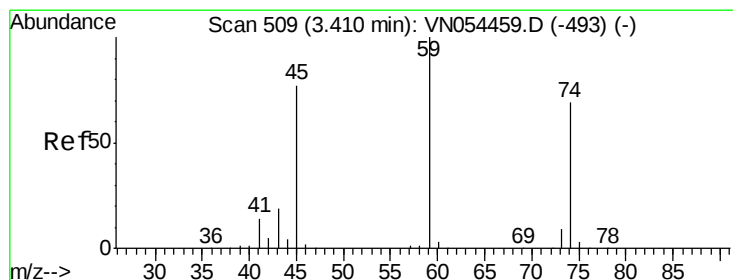
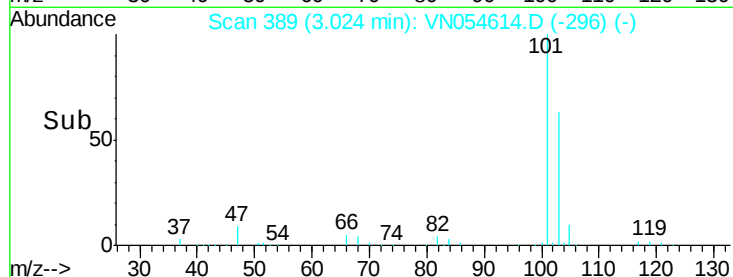
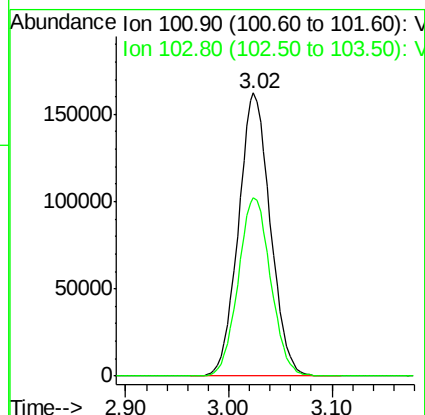
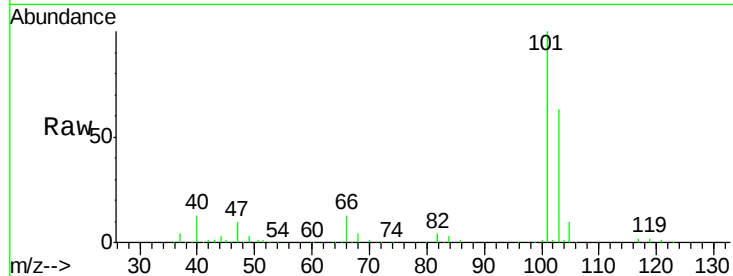
Trichlorofluoromethane
Concen: 51.087 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN054614.D
Acq: 23 Mar 2019 19:39

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VSTDCCC050EC

Tot Ion:101 Resp: 348580
Ion Ratio Lower Upper
101 100
103 63.2 51.4 77.2

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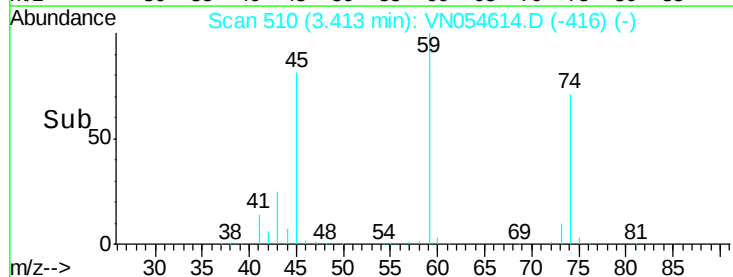
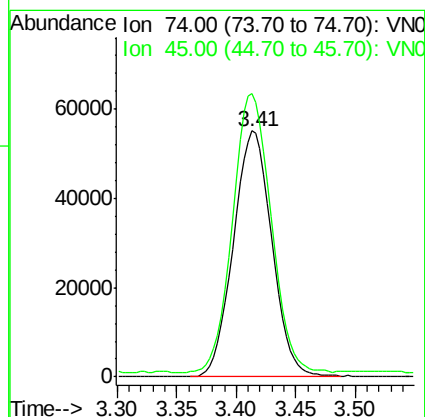
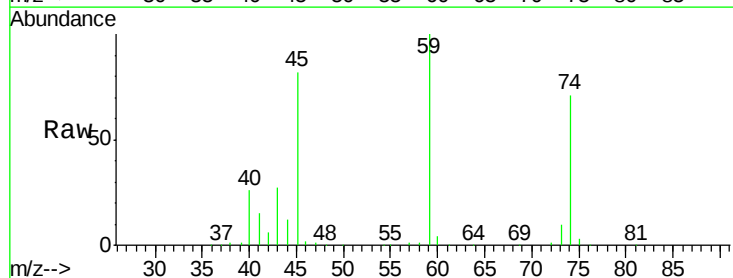
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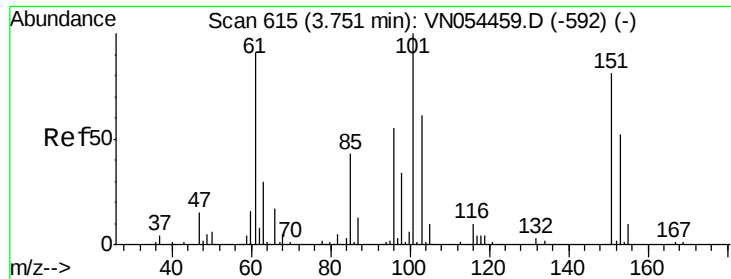


#8

Diethyl Ether
Concen: 47.111 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054614.D
Acq: 23 Mar 2019 19:39

Tgt Ion: 74 Resp: 123627
Ion Ratio Lower Upper
74 100
45 113.0 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.058 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054614.D

Acq: 23 Mar 2019 19:39

Instrument :

MSVOA_N

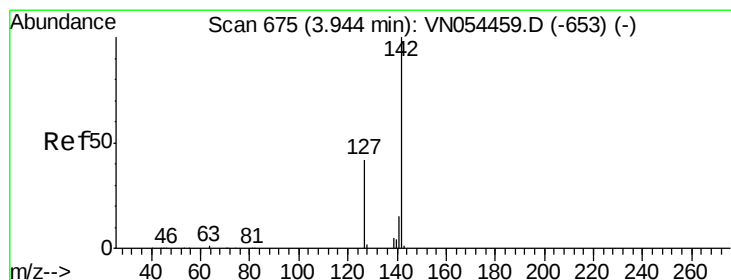
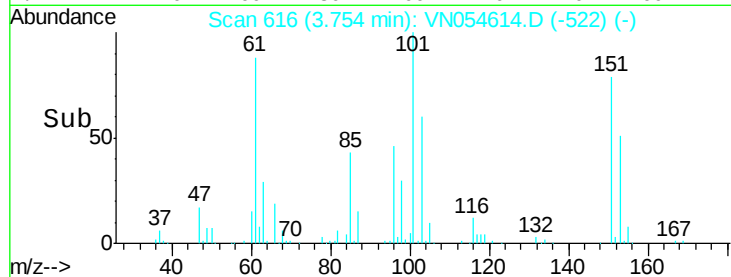
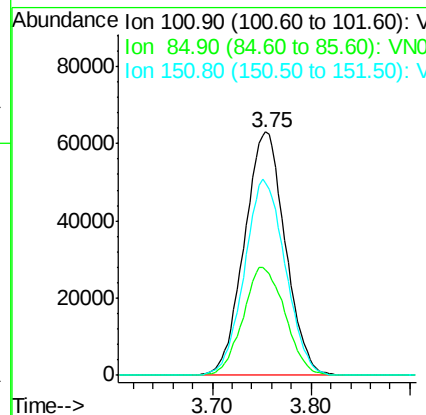
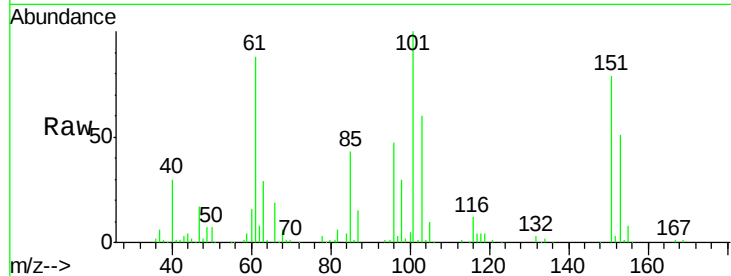
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	180684
Ion Ratio	Lower	Upper	
101	100		
85	45.5	32.4	48.6
151	80.2	68.2	102.2

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#10

Methyl Iodide

Concen: 46.291 ug/l

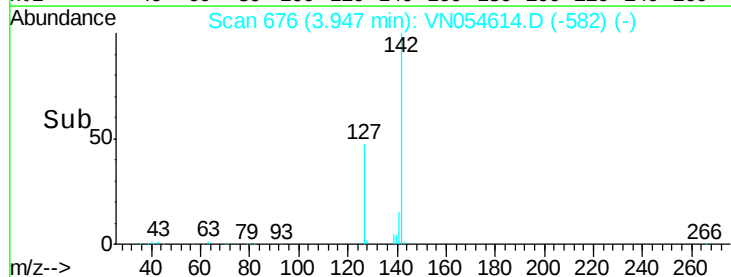
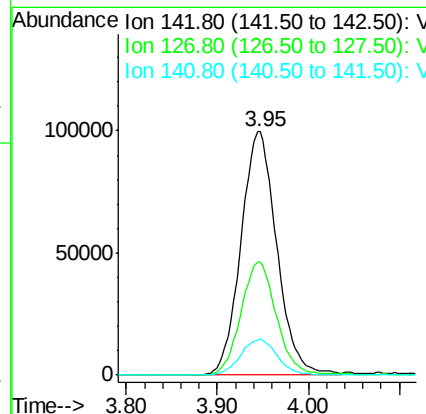
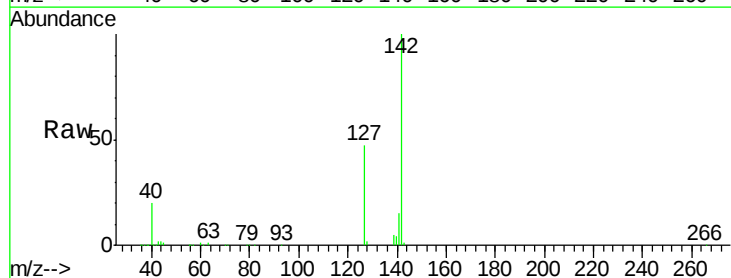
RT: 3.95 min Scan# 676

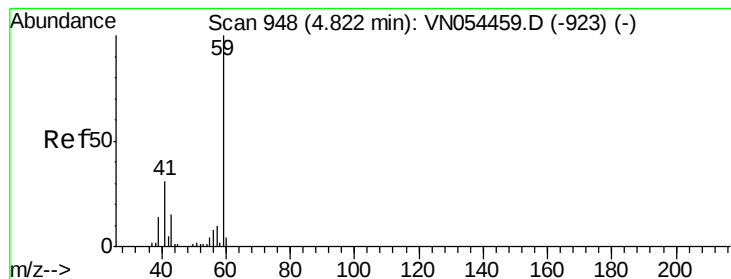
Delta R.T. 0.00 min

Lab File: VN054614.D

Acq: 23 Mar 2019 19:39

Tgt Ion:	142	Resp:	273059
Ion Ratio	Lower	Upper	
142	100		
127	46.0	30.3	45.5#
141	15.1	11.2	16.8





#11

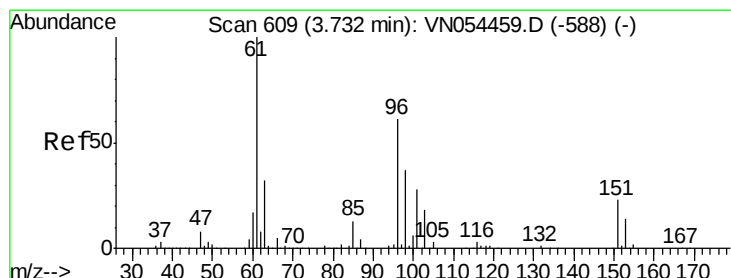
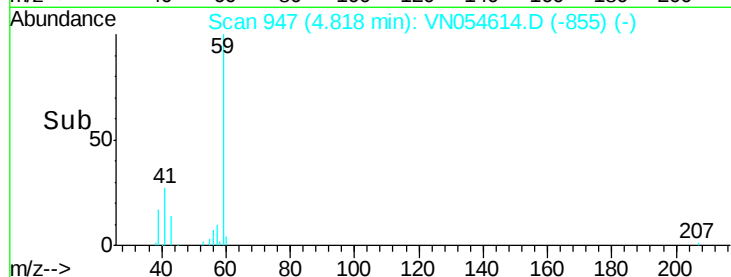
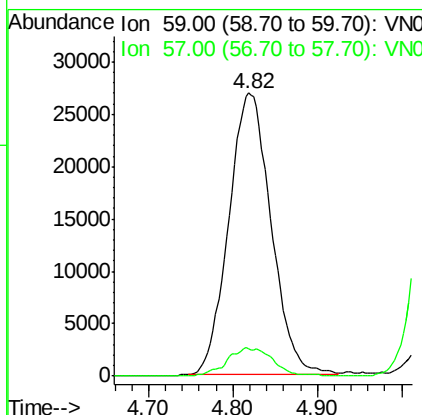
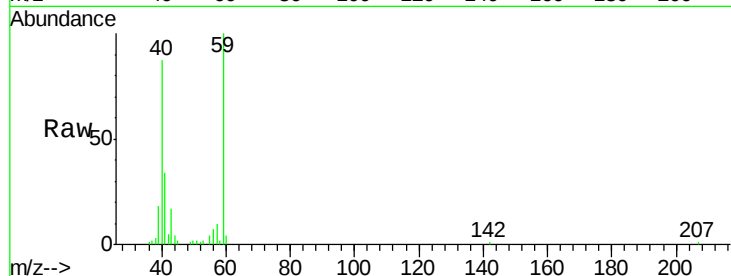
Tert butyl alcohol
Concen: 288.573 ug/l
RT: 4.82 min Scan# 947
Delta R.T. -0.00 min
Lab File: VN054614.D
Acq: 23 Mar 2019 19:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	9.0	13.6

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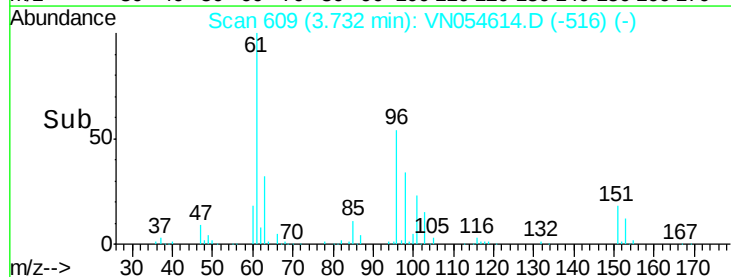
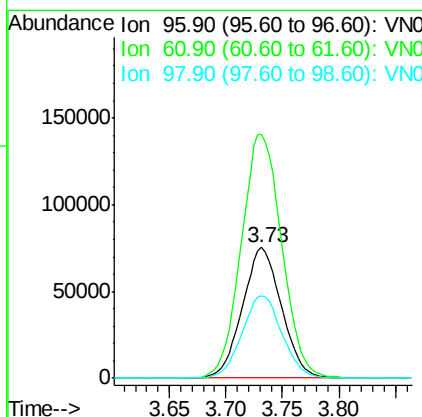
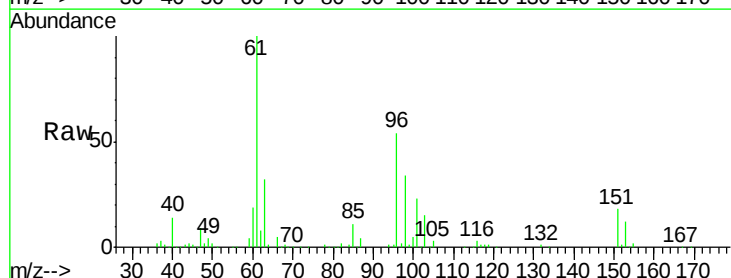
MMDadoda
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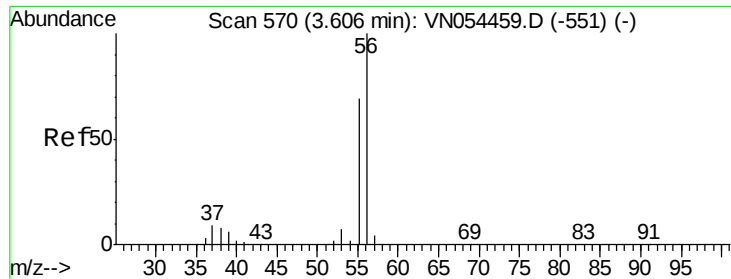


#12

1,1-Dichloroethene
Concen: 43.554 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN054614.D
Acq: 23 Mar 2019 19:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	186.4	116.5	174.7#
98	62.8	51.0	76.4





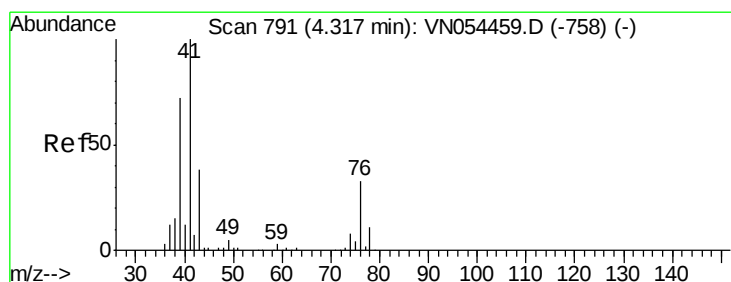
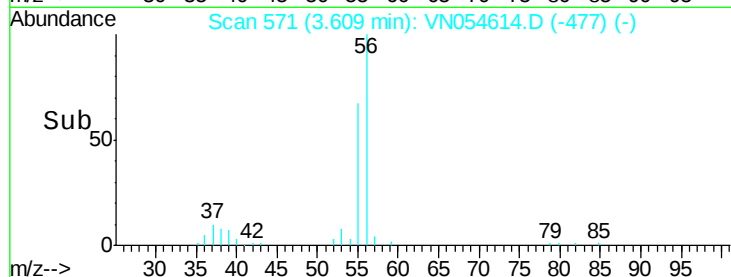
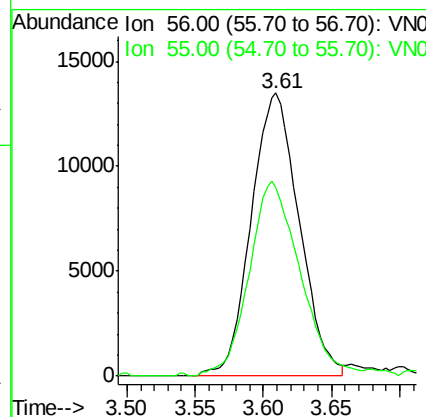
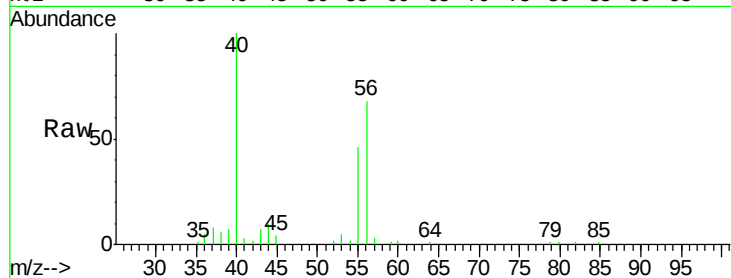
#13
Acrolein
Concen: 73.537 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN054614.D
Acq: 23 Mar 2019 19:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	32880
Ion Ratio	100	Lower	Upper
55	72.9	56.7	85.1

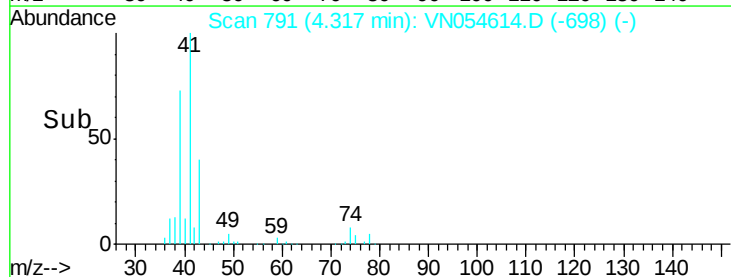
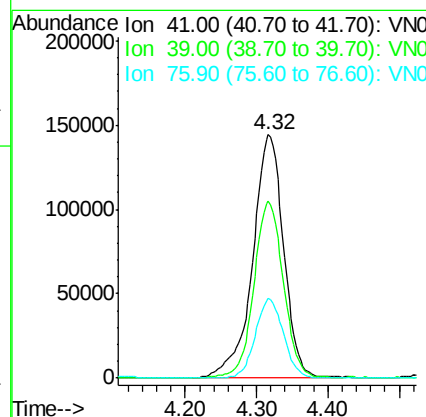
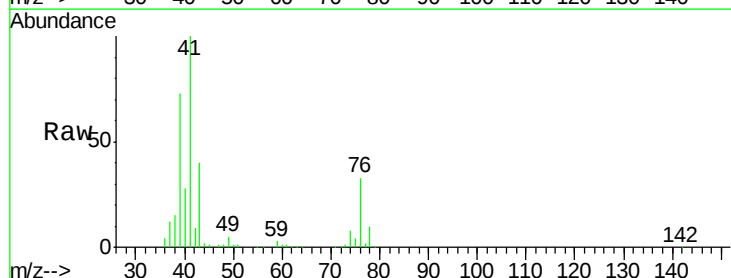
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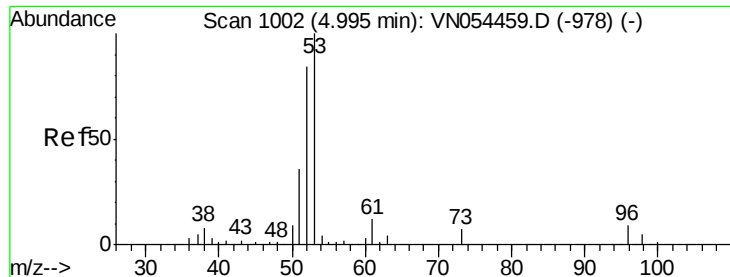
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#14
Allyl chloride
Concen: 55.345 ug/l
RT: 4.32 min Scan# 791
Delta R.T. -0.00 min
Lab File: VN054614.D
Acq: 23 Mar 2019 19:39

Tgt Ion	41	Resp	432492
Ion Ratio	100	Lower	Upper
39	69.1	58.2	87.4
76	29.9	31.7	47.5#





#15

Acrylonitrile

Concen: 293.373 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VN054614.D

Acq: 23 Mar 2019 19:39

Instrument :

MSVOA_N

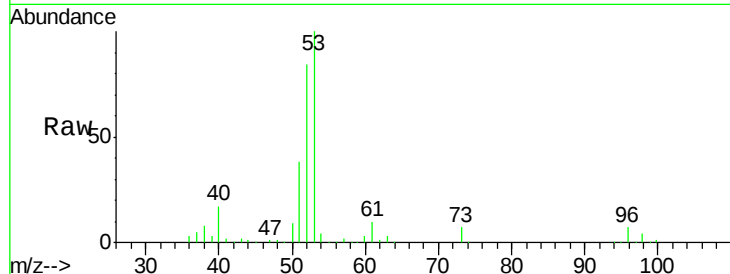
ClientSampleId :

VSTDCCC050EC

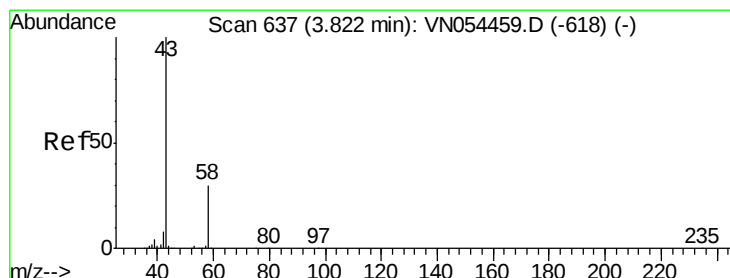
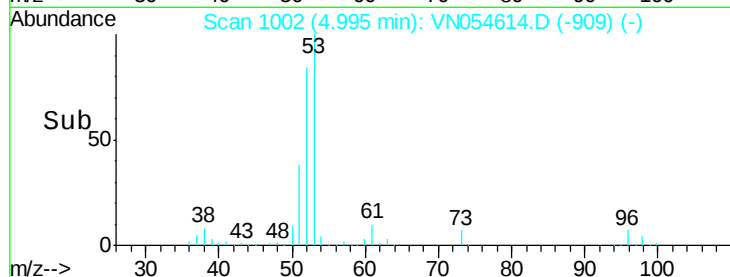
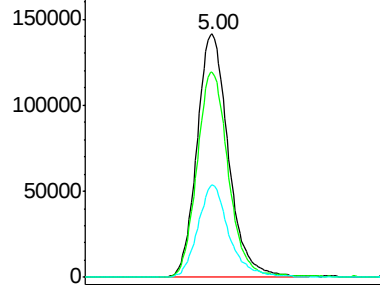
Tot Ion:	53	Resp:	473351
Ion Ratio	Lower	Upper	
53	100		
52	83.4	66.4	99.6
51	37.7	29.6	44.4

Manual Integrations
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Abundance Ion 53.00 (52.70 to 53.70): VN054459.D (-978) (-)



#16

Acetone

Concen: 211.055 ug/l

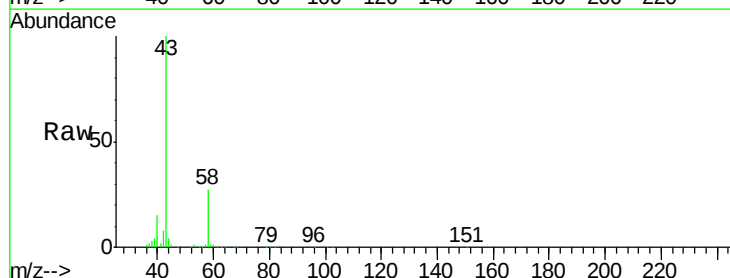
RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

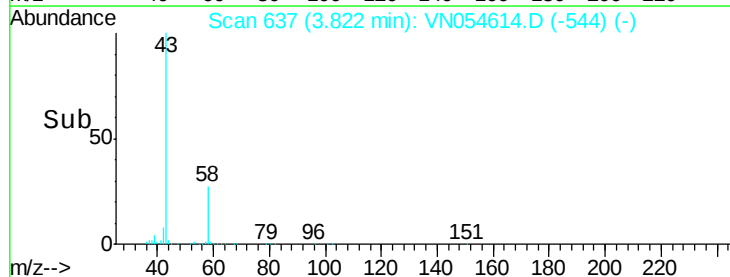
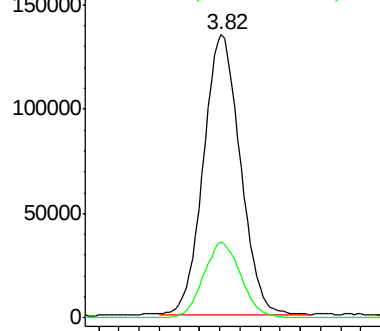
Lab File: VN054614.D

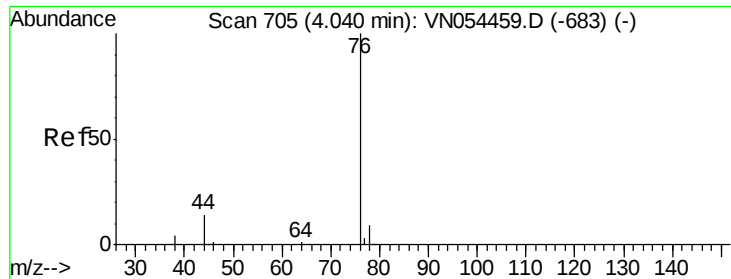
Acq: 23 Mar 2019 19:39

Tgt Ion:	43	Resp:	339579
Ion Ratio	Lower	Upper	
43	100		
58	27.2	29.9	44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-618) (-)





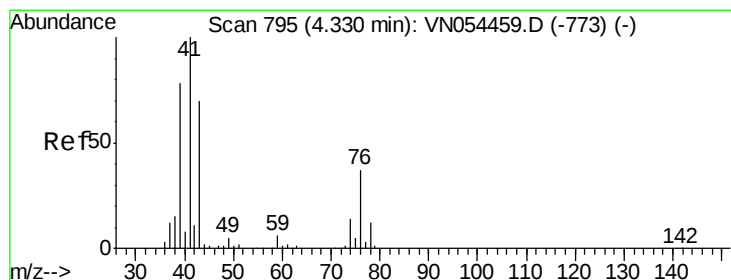
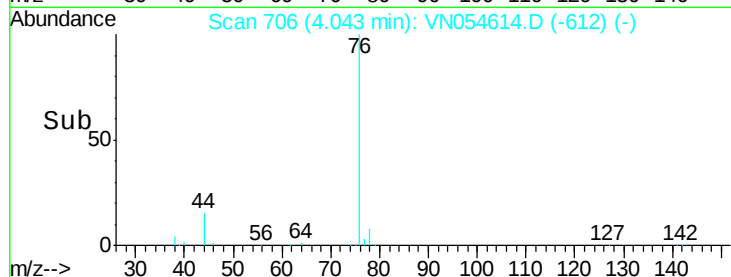
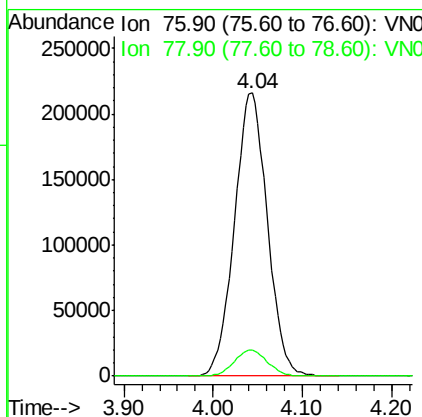
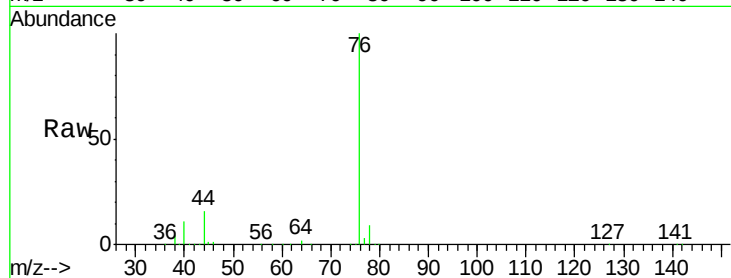
#17
Carbon Disulfide
Concen: 49.644 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN054614.D
Acq: 23 Mar 2019 19:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.5	11.3

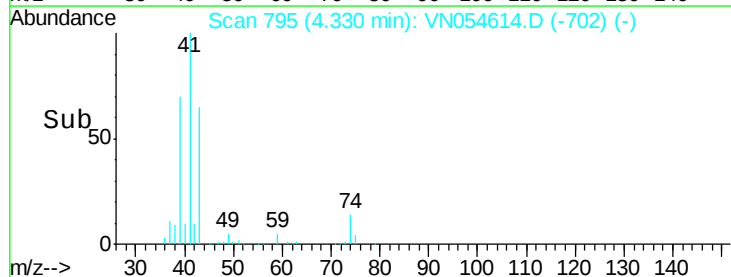
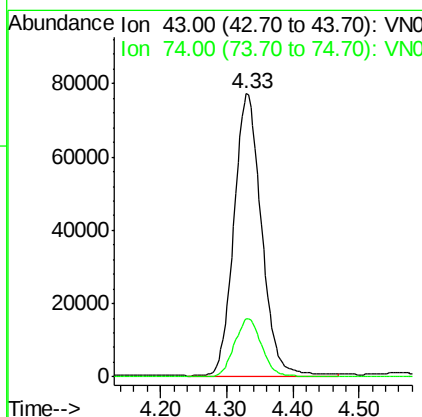
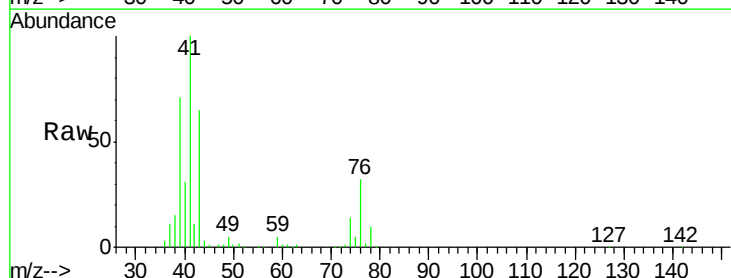
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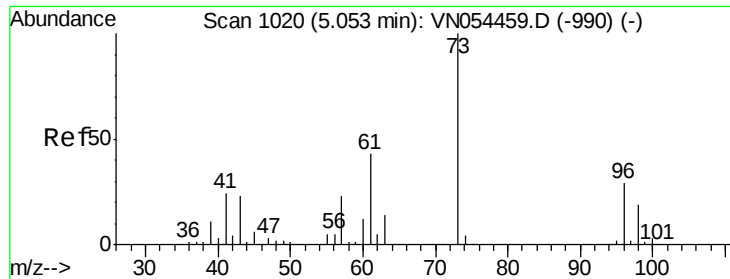
MMDadoda
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#18
Methyl Acetate
Concen: 61.984 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN054614.D
Acq: 23 Mar 2019 19:39

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.5	20.8	31.2#





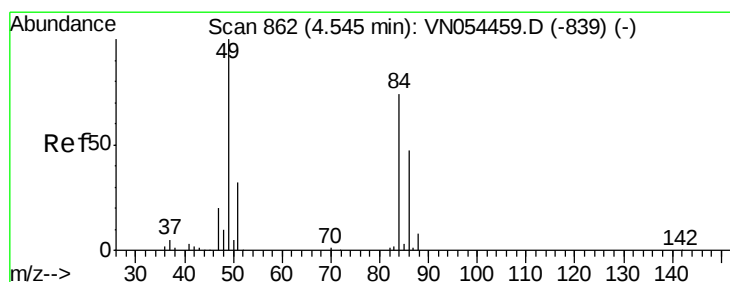
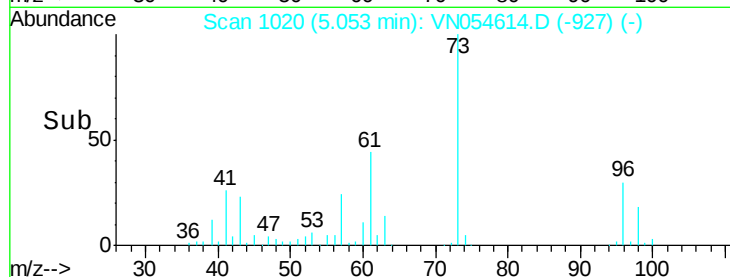
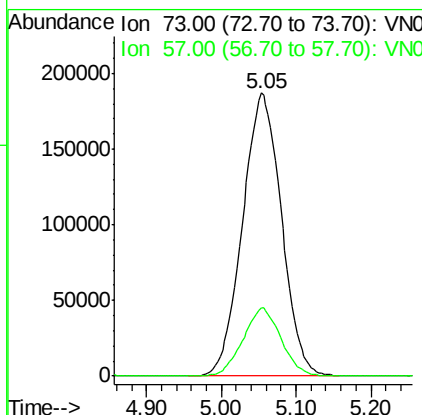
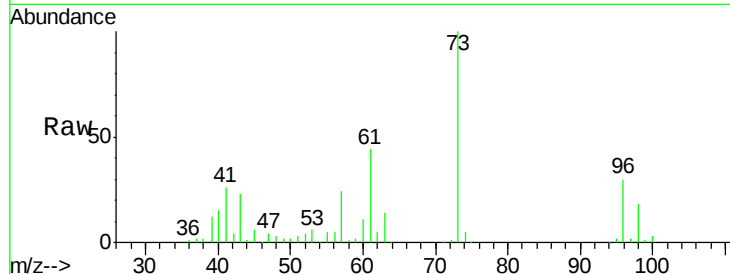
#19
Methvl tert-butvl Ether
Concen: 55.873 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054614.D
Acq: 23 Mar 2019 19:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 676689
Ion Ratio Lower Upper
73 100
57 23.9 16.8 25.2

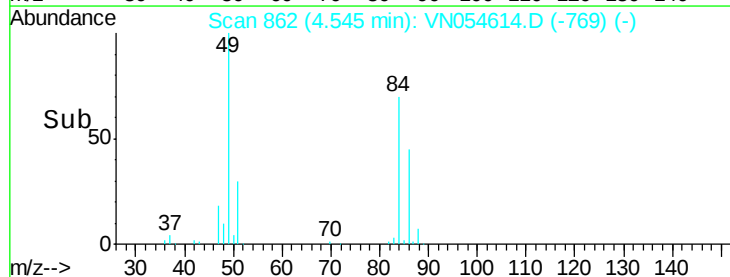
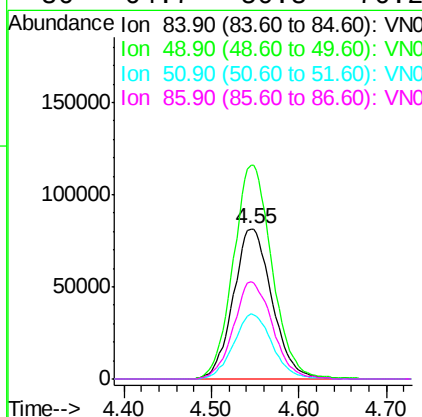
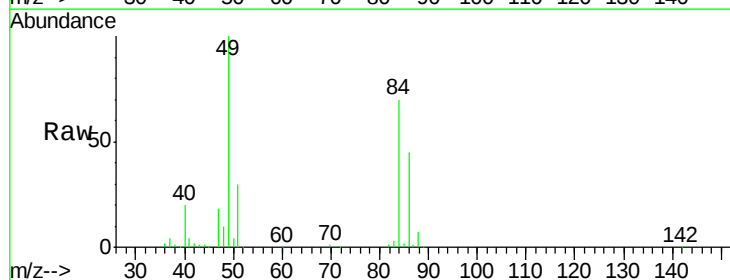
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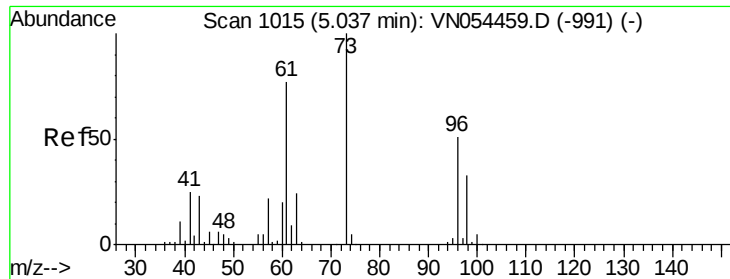
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#20
Methylene Chloride
Concen: 52.740 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054614.D
Acq: 23 Mar 2019 19:39

Tgt Ion: 84 Resp: 250138
Ion Ratio Lower Upper
84 100
49 141.9 89.7 134.5#
51 43.1 28.2 42.4#
86 64.7 50.8 76.2





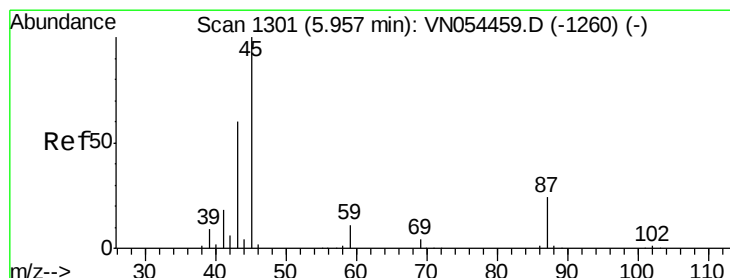
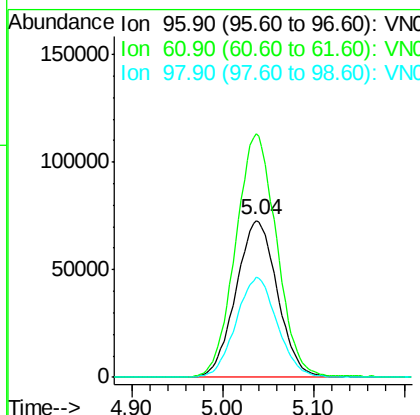
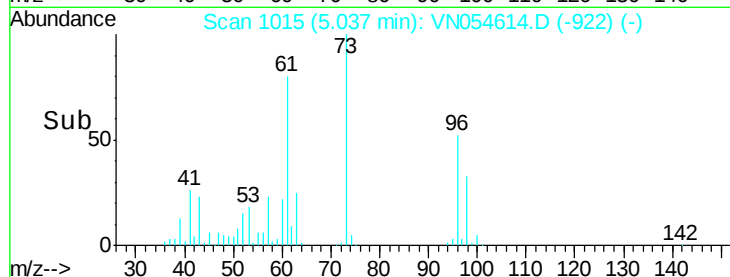
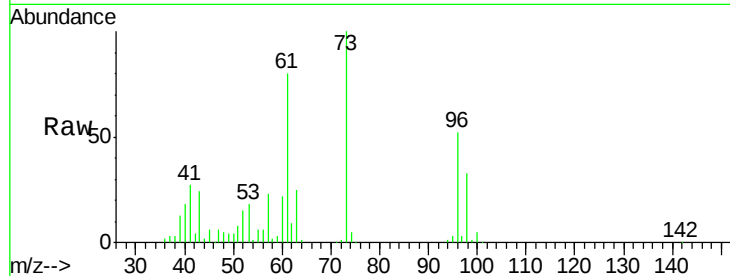
#21
trans-1,2-Dichloroethene
Concen: 54.354 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN054614.D
Acq: 23 Mar 2019 19:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.7	102.8	154.2#
98	63.4	50.0	75.0

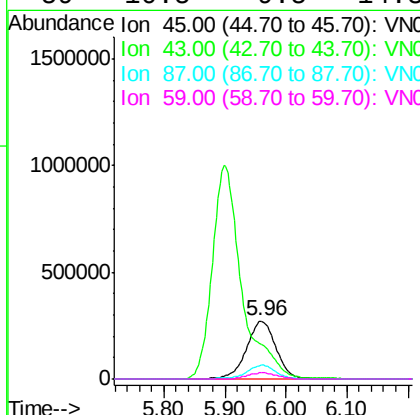
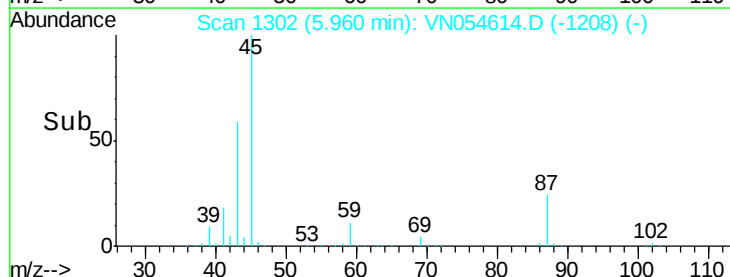
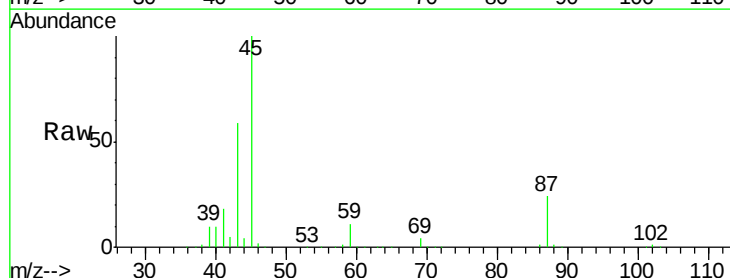
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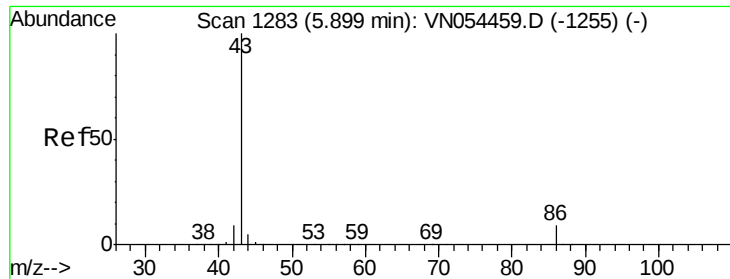
MMDadoda
3/25/2019 10:24:02 AM



#22
Diisopropyl ether
Concen: 59.226 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054614.D
Acq: 23 Mar 2019 19:39

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.9	48.2	72.2
87	23.6	24.9	37.3#
59	10.5	9.5	14.3





#23

Vinyl Acetate

Concen: 308.910 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054614.D

Acq: 23 Mar 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3362928

Ion Ratio Lower Upper

43 100

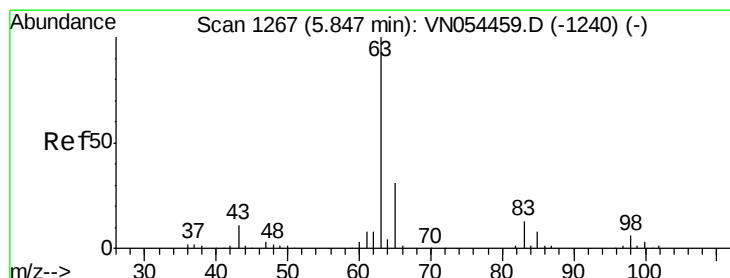
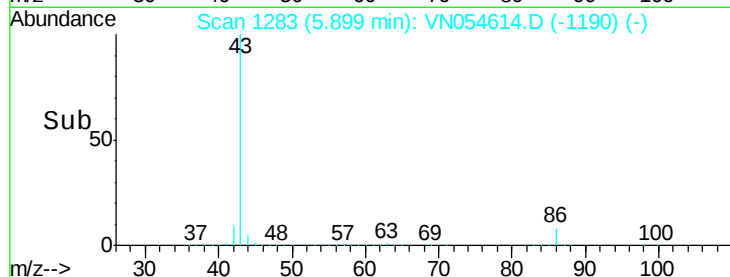
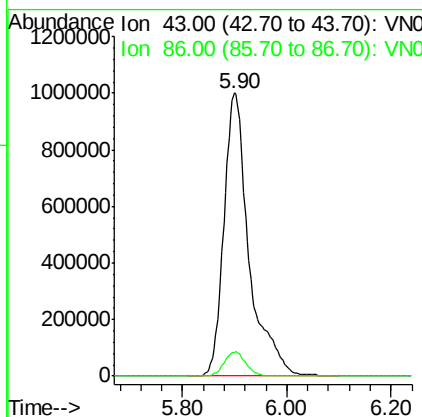
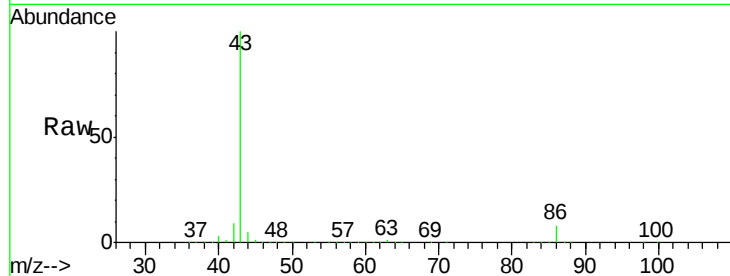
86 8.5 9.1 13.7#

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#24

1,1-Dichloroethane

Concen: 57.131 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054614.D

Acq: 23 Mar 2019 19:39

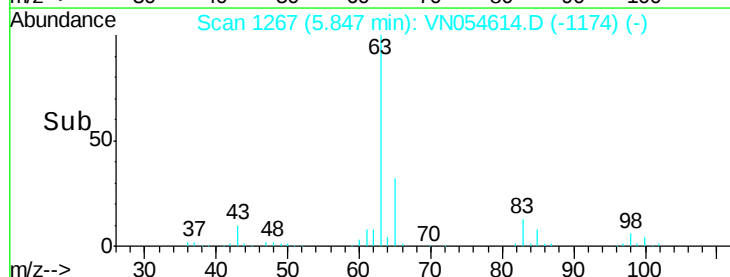
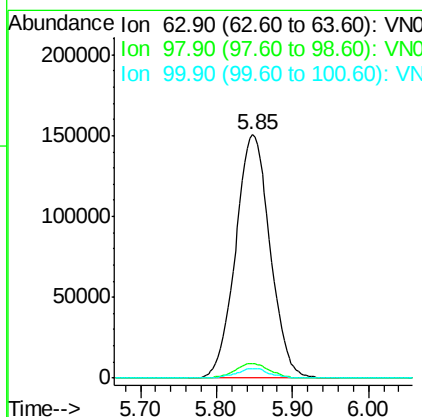
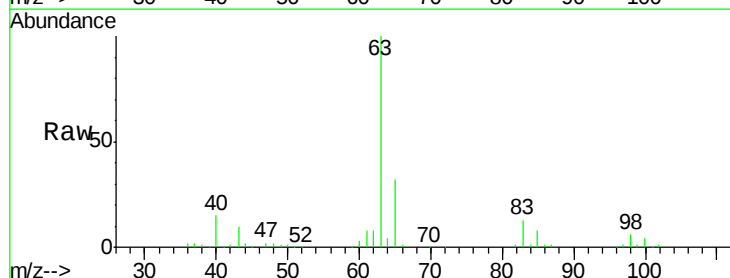
Tgt Ion: 63 Resp: 474155

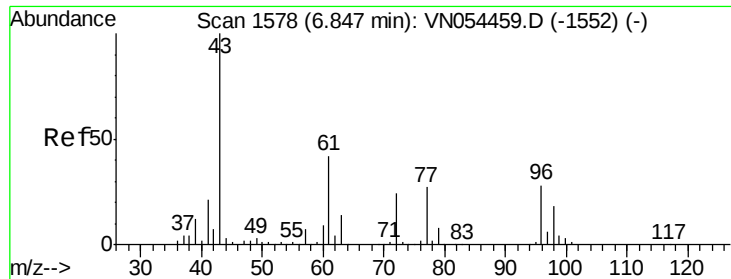
Ion Ratio Lower Upper

63 100

98 5.9 3.5 10.5

100 3.8 2.0 6.0





#25

2-Butanone

Concen: 293.012 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN054614.D

Acq: 23 Mar 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 603920

Ion Ratio Lower Upper

43 100

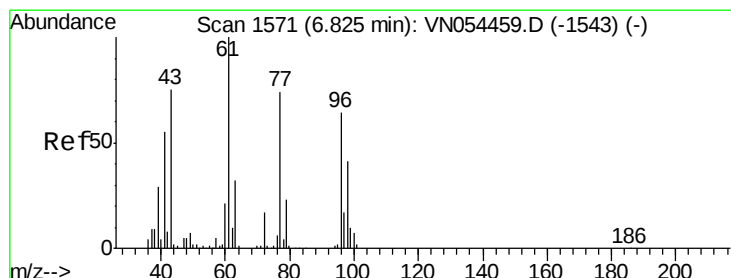
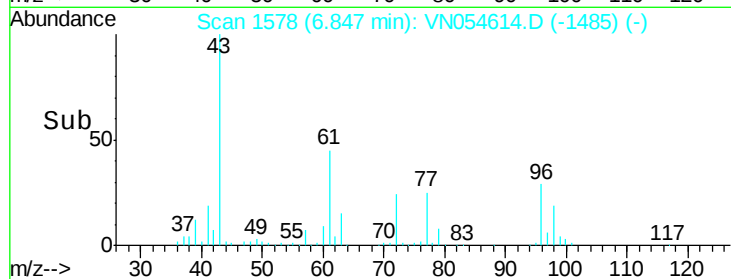
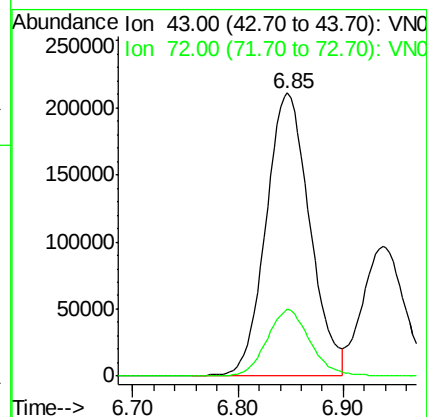
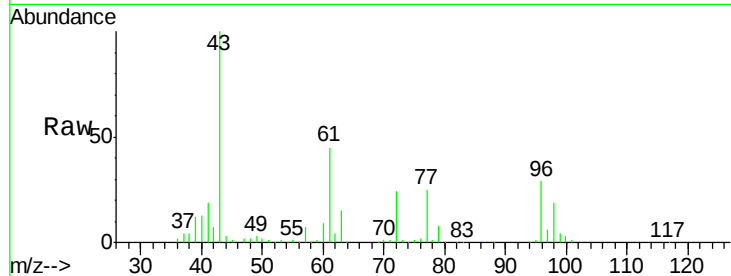
72 23.6 23.0 34.6

Manual Integrations

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3/25/2019 10:24:02 AM



#26

2,2-Dichloropropane

Concen: 49.961 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054614.D

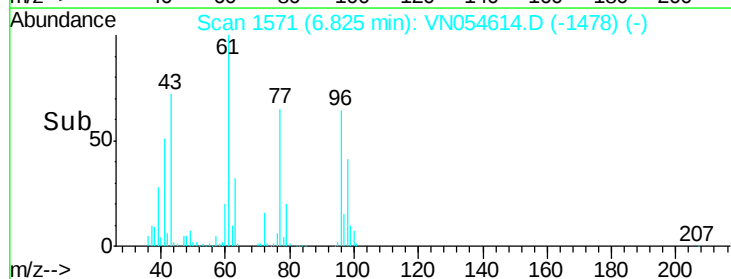
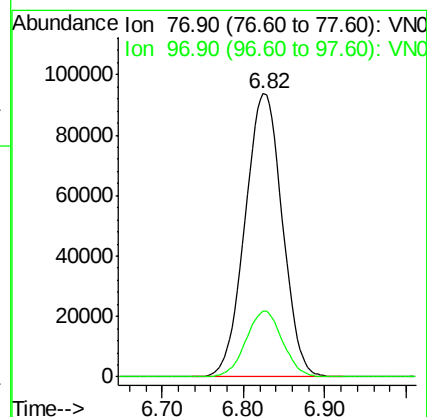
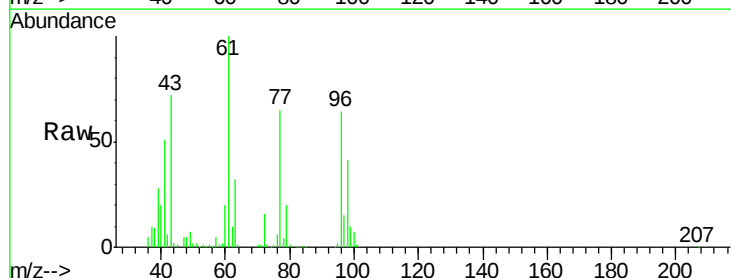
Acq: 23 Mar 2019 19:39

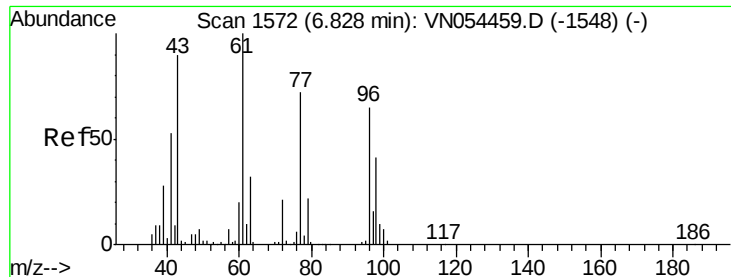
Tgt Ion: 77 Resp: 295581

Ion Ratio Lower Upper

77 100

97 22.8 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 53.248 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054614.D

Acq: 23 Mar 2019 19:39

Instrument :

MSVOA_N

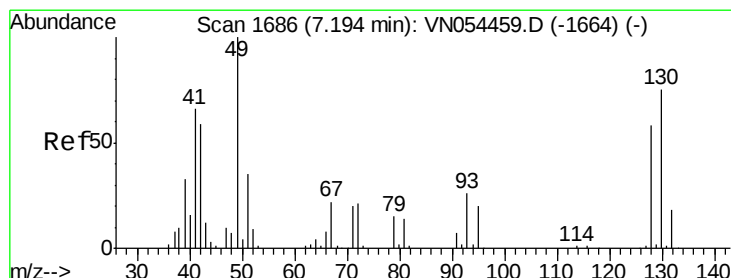
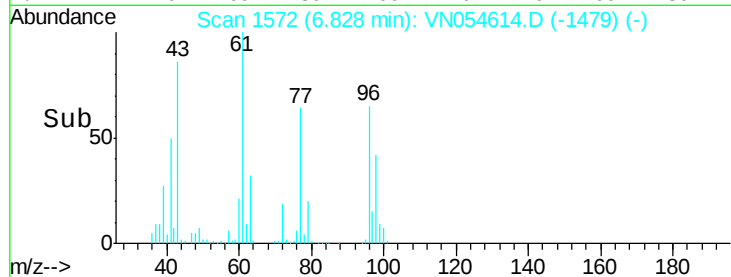
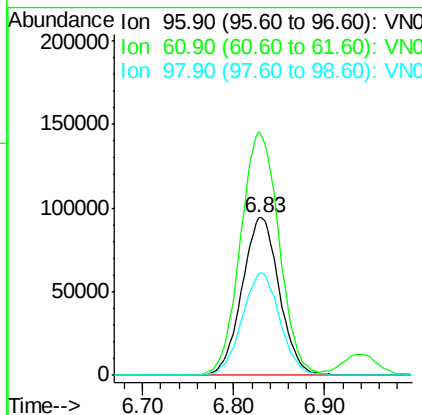
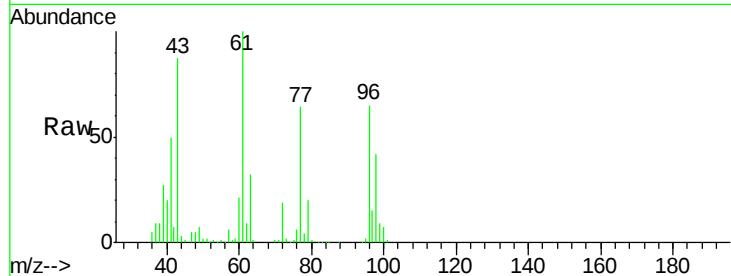
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	269137
Ion	Ratio	Lower	Upper
96	100		
61	158.7	0.0	273.0
98	65.7	0.0	130.6

Manual Integrations
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#28

Bromochloromethane

Concen: 58.238 ug/l

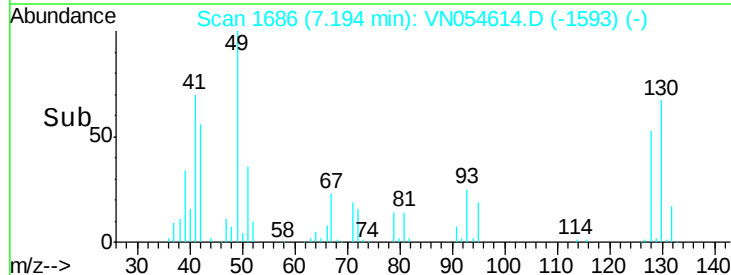
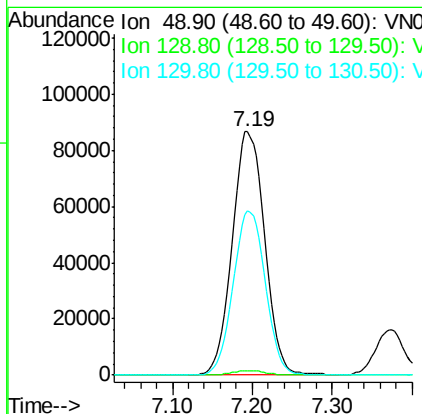
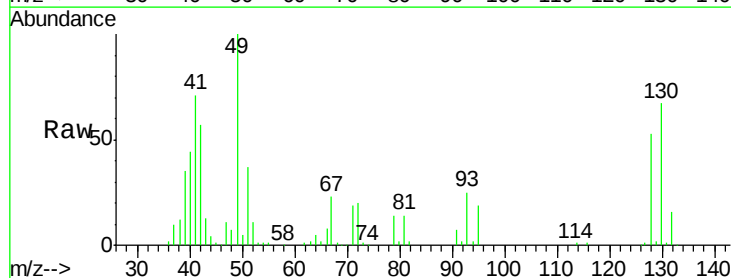
RT: 7.19 min Scan# 1686

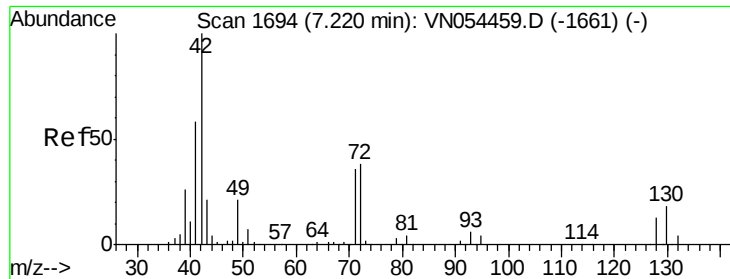
Delta R.T. -0.00 min

Lab File: VN054614.D

Acq: 23 Mar 2019 19:39

Tgt Ion:	49	Resp:	237912
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	4.6
130	66.7	76.7	115.1#





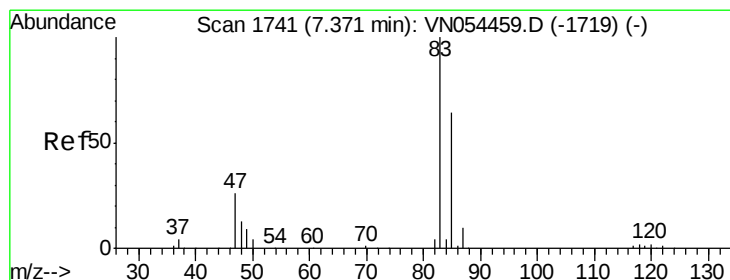
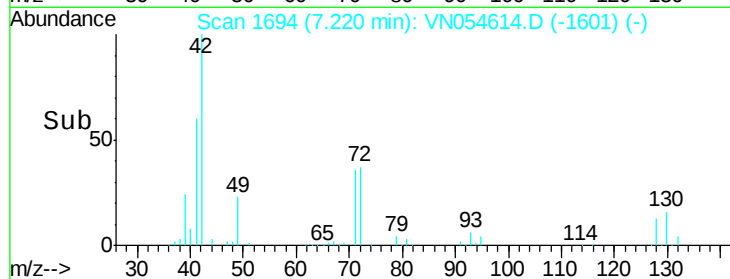
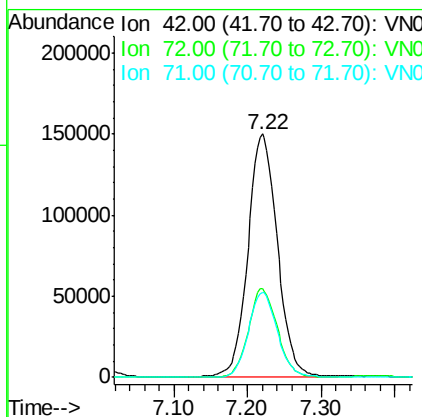
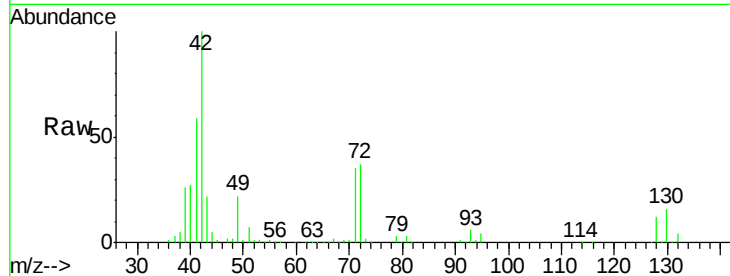
#29
Tetrahydrofuran
Concen: 311.679 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054614.D
Acq: 23 Mar 2019 19:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.8	37.8	56.6#
71	34.5	36.2	54.2#

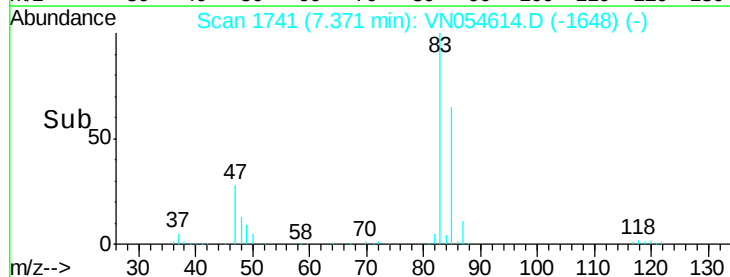
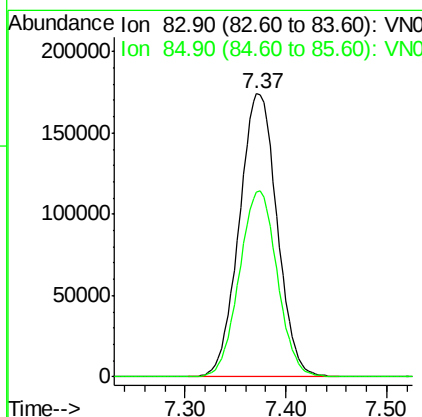
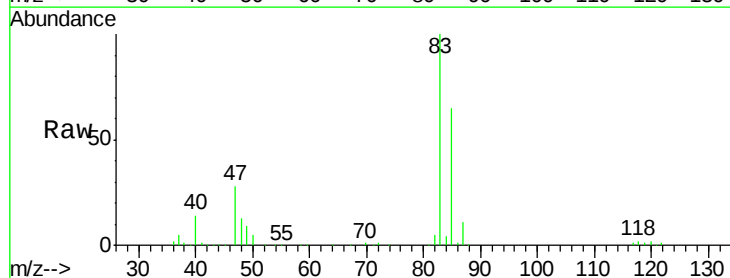
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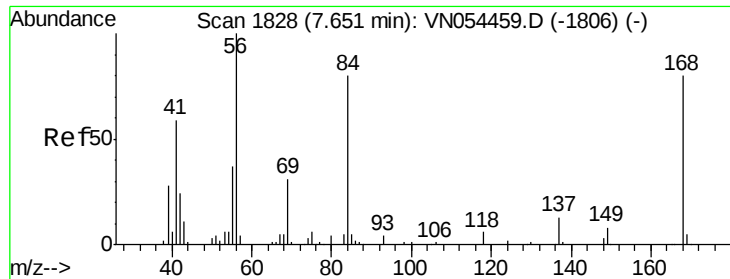
MMDadoda
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#30
Chloroform
Concen: 55.999 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054614.D
Acq: 23 Mar 2019 19:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.2	78.4





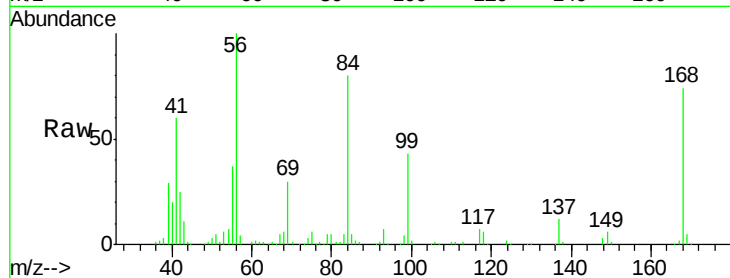
#31
Cyclohexane
Concen: 54.776 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054614.D
Acq: 23 Mar 2019 19:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.8	27.8	41.6
84	78.0	74.6	111.8

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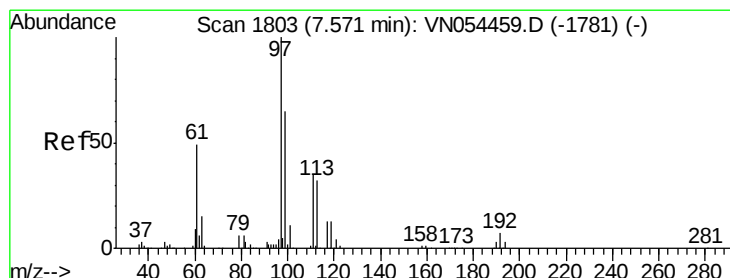
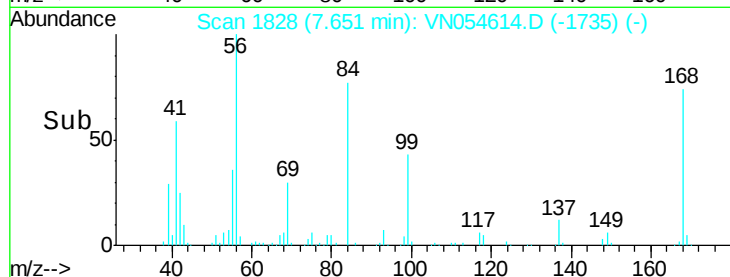
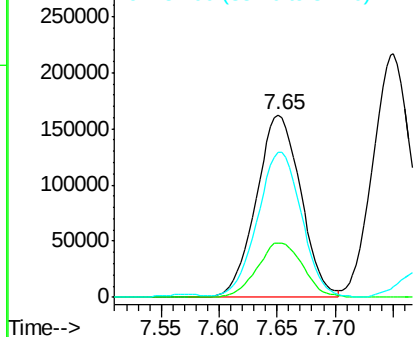


Abundance

Ion 56.00 (55.70 to 56.70): VNO

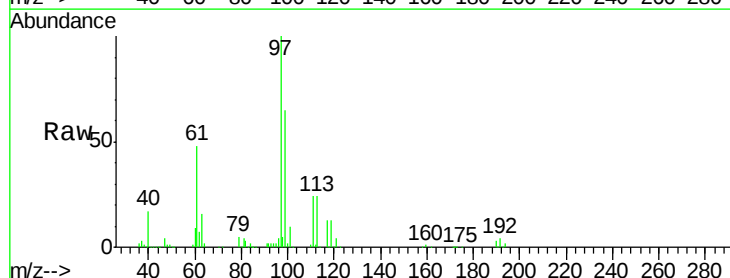
Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO



#32
1,1,1-Trichloroethane
Concen: 57.105 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN054614.D
Acq: 23 Mar 2019 19:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.5	77.3
61	48.9	33.6	50.4

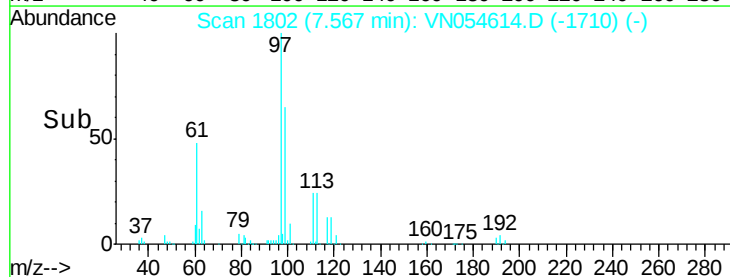
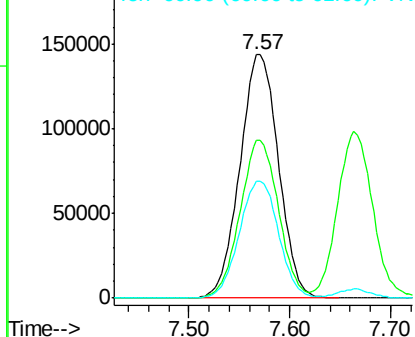


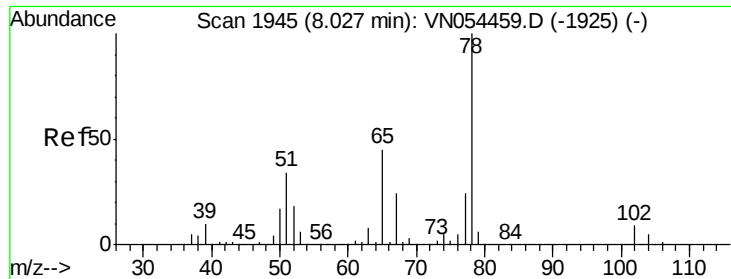
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

Ion 60.90 (60.60 to 61.60): VNO





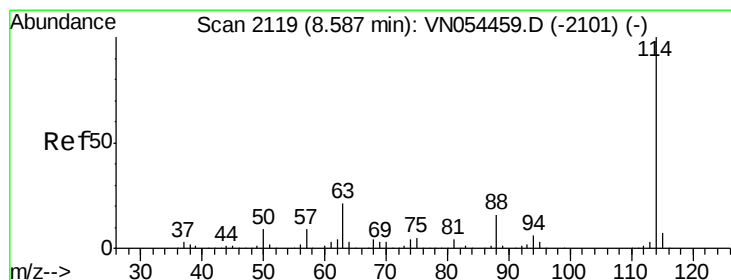
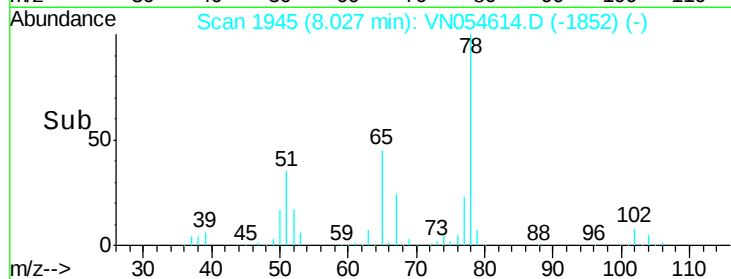
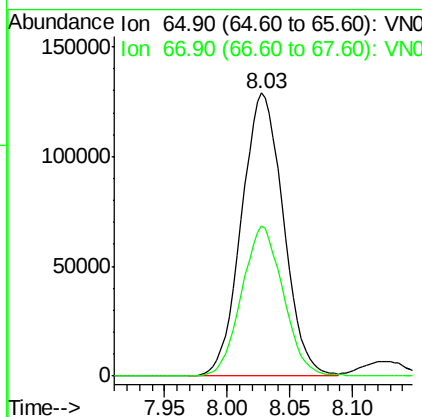
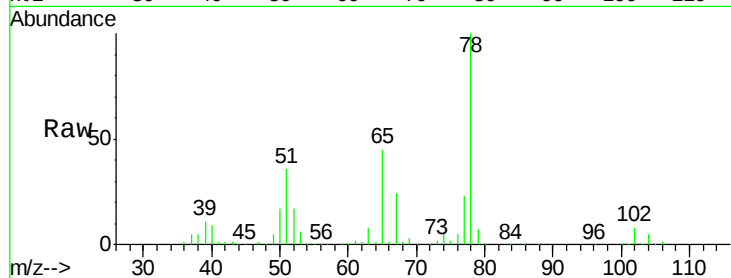
#33
 1,2-Dichloroethane-d4
 Concen: 56.007 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054614.D
 Acq: 23 Mar 2019 19:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	299725		
67	52.5	0.0	104.6	

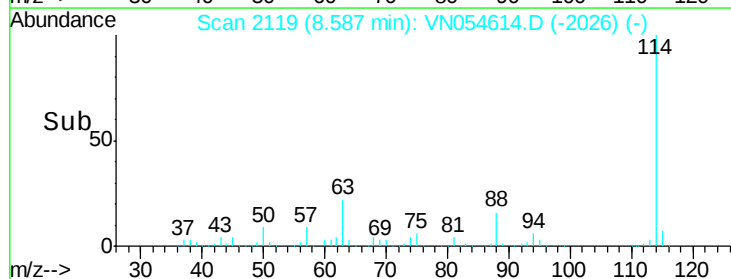
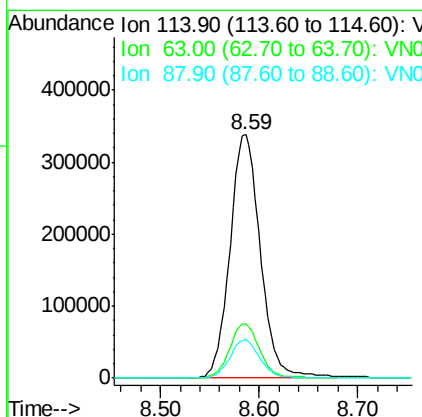
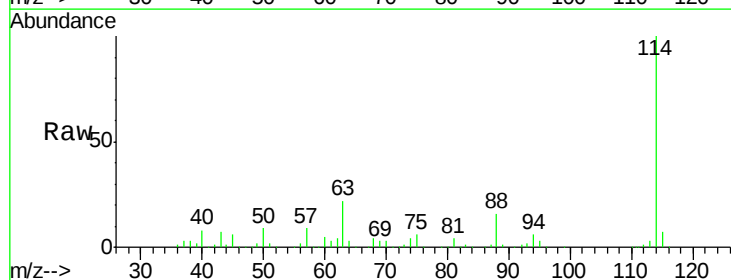
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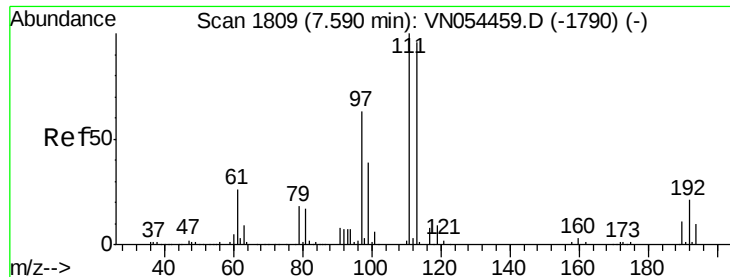
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054614.D
 Acq: 23 Mar 2019 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	728303		
63	22.4	0.0	35.2	
88	15.7	0.0	30.2	





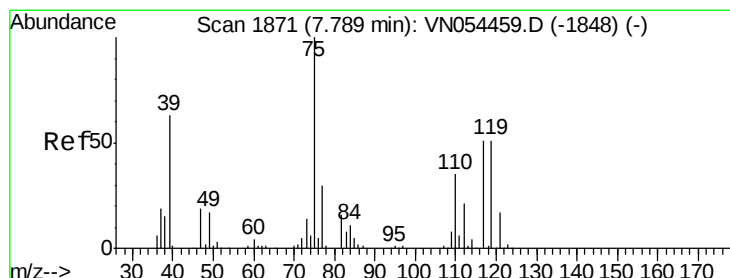
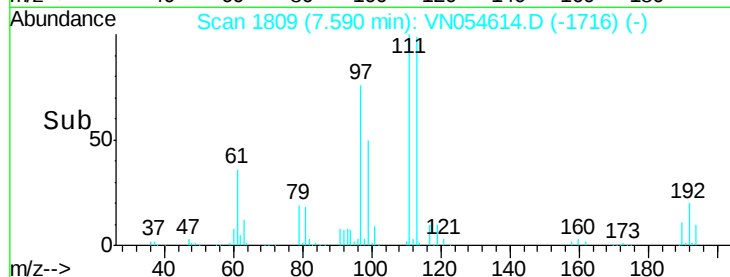
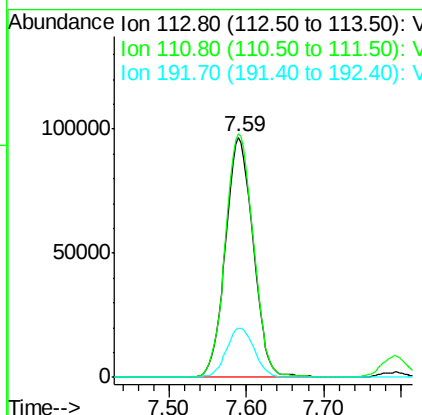
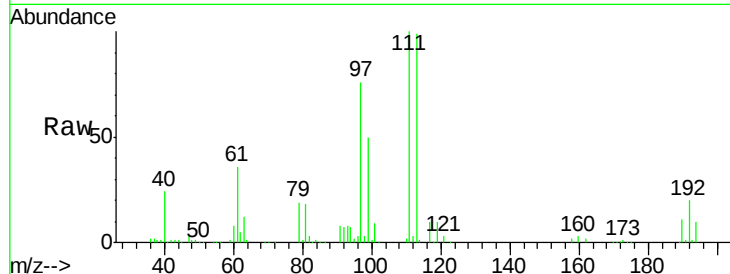
#35
 Dibromofluoromethane
 Concen: 51.121 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054614.D
 Acq: 23 Mar 2019 19:39

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.2	82.2	123.4	
192	20.6	19.2	28.8	

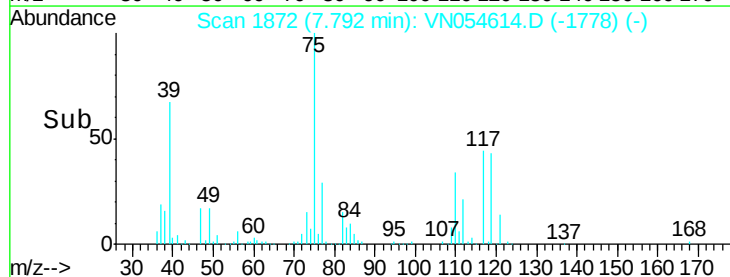
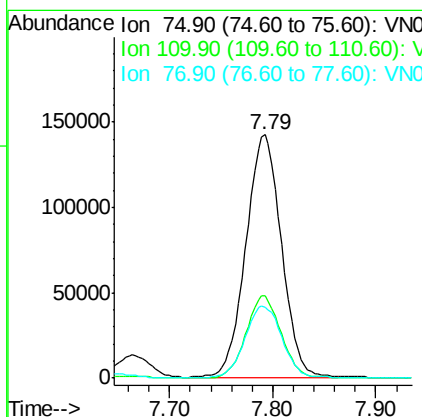
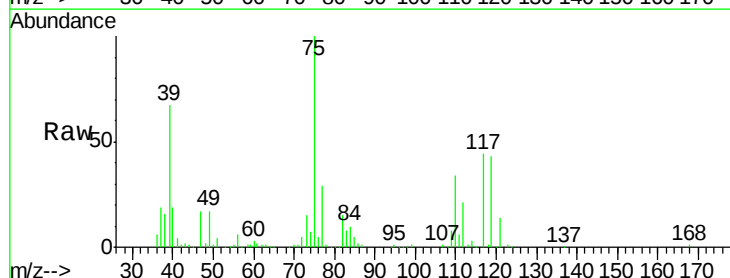
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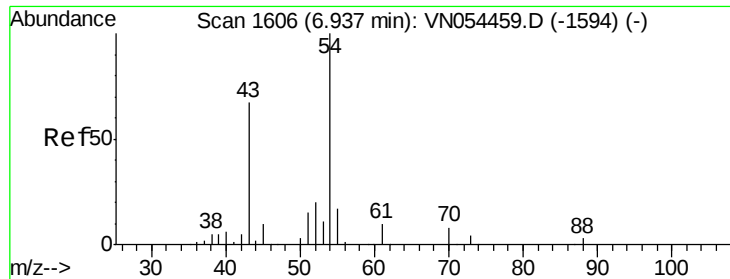
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#36
 1,1-Dichloropropene
 Concen: 49.788 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054614.D
 Acq: 23 Mar 2019 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.7	19.1	57.5	
77	31.4	25.0	37.4	





#37

Ethyl Acetate

Concen: 56.551 ug/l

RT: 6.94 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VN054614.D

Acq: 23 Mar 2019 19:39

Instrument :

MSVOA_N

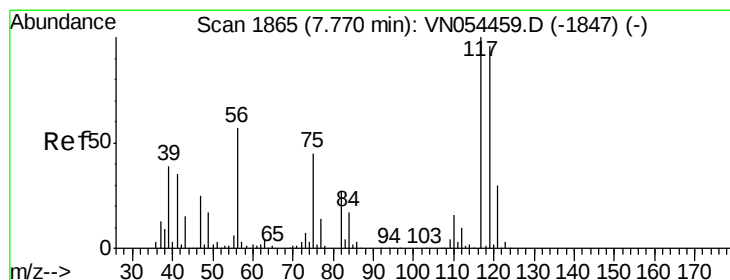
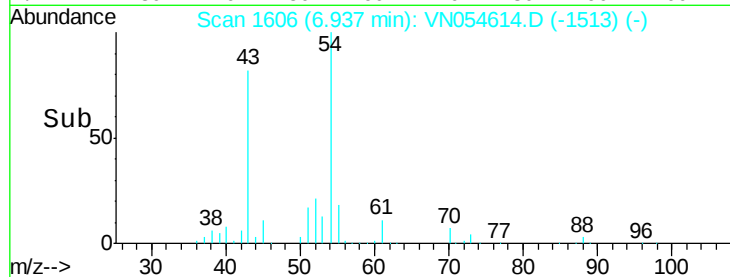
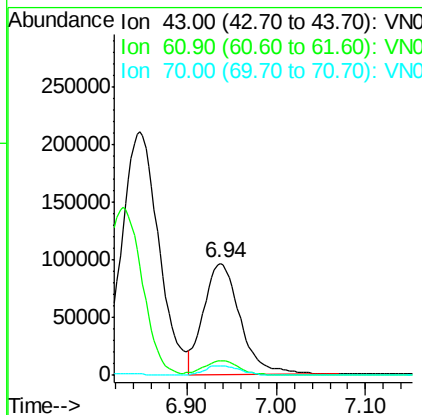
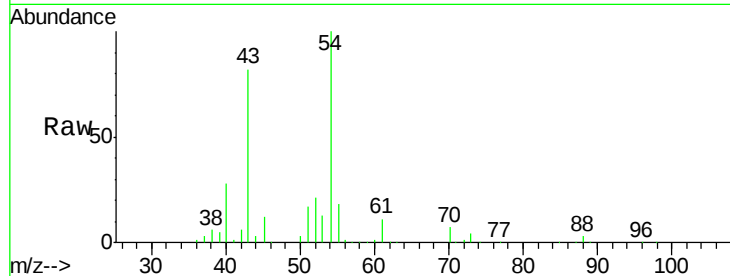
ClientSampleID :

VSTDCCC050EC

Tot Ion:	43	Resp:	273895
Ion Ratio	Lower	Upper	
43	100		
61	12.9	11.8	17.6
70	8.6	8.4	12.6

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#38

Carbon Tetrachloride

Concen: 49.804 ug/l

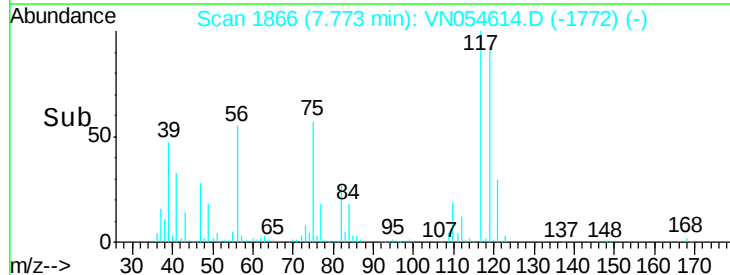
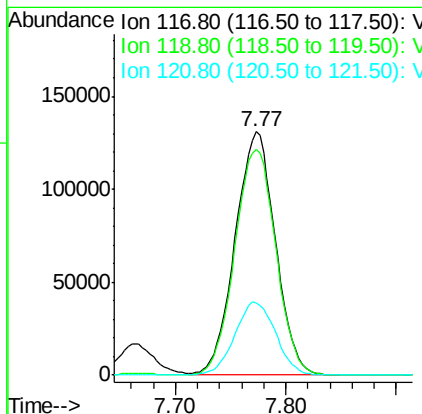
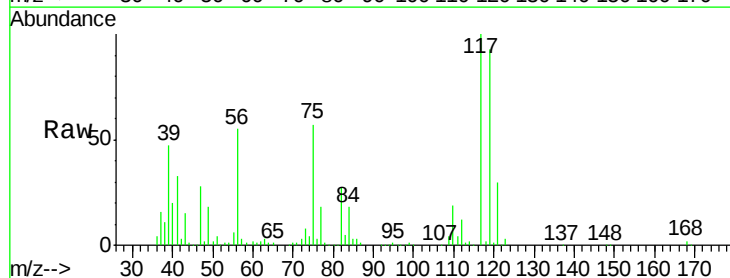
RT: 7.77 min Scan# 1866

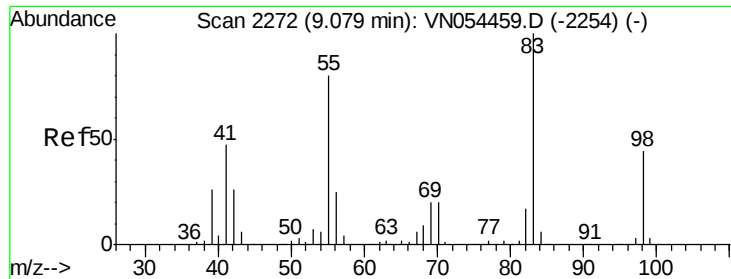
Delta R.T. 0.00 min

Lab File: VN054614.D

Acq: 23 Mar 2019 19:39

Tgt Ion:	117	Resp:	329577
Ion Ratio	Lower	Upper	
117	100		
119	92.5	76.3	114.5
121	29.8	24.6	36.8





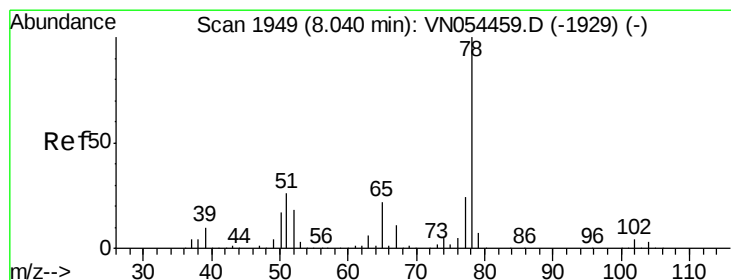
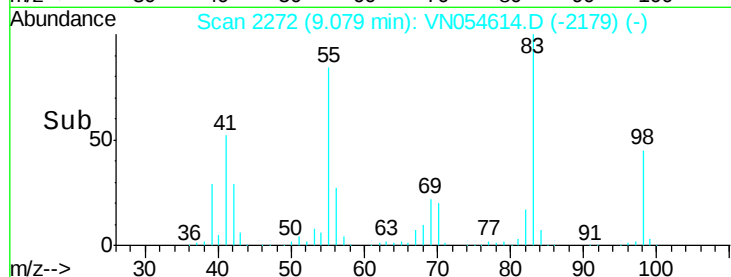
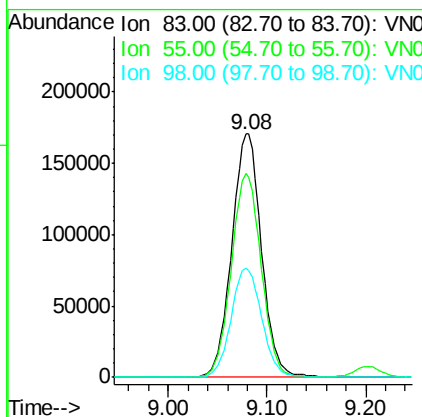
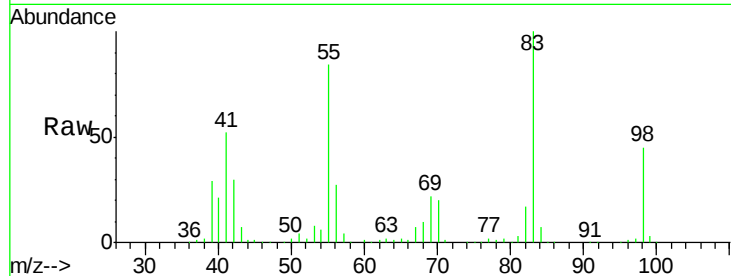
#39
Methvlcvclohexane
Concen: 45.961 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054614.D
Acq: 23 Mar 2019 19:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.5	56.6	84.8
98	45.1	38.4	57.6

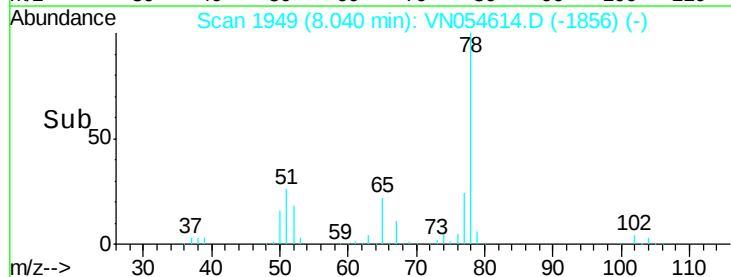
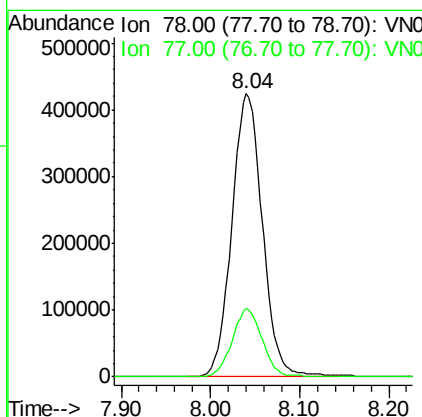
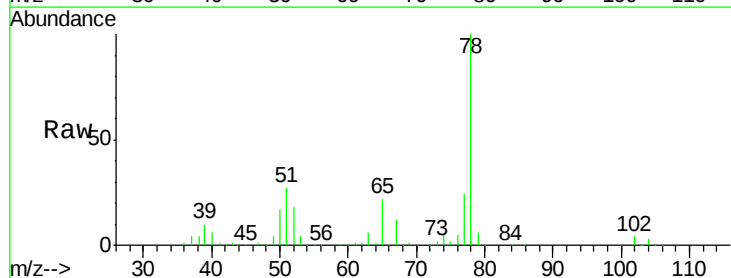
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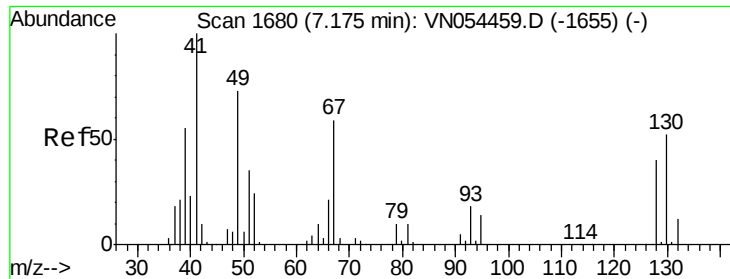
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#40
Benzene
Concen: 51.841 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054614.D
Acq: 23 Mar 2019 19:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7





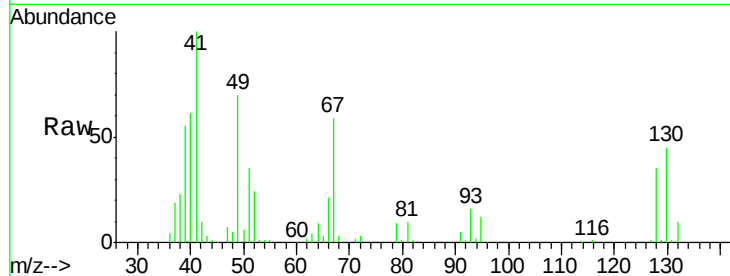
#41
Methacrylonitrile
Concen: 49.214 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054614.D
Acq: 23 Mar 2019 19:39

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

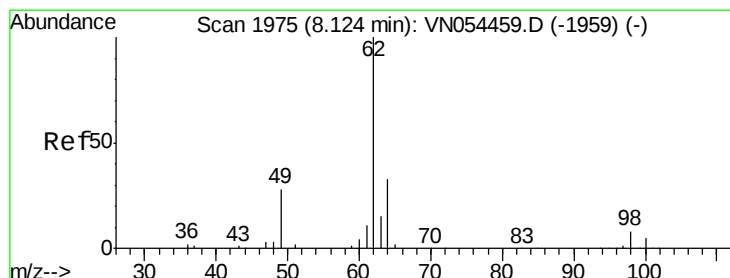
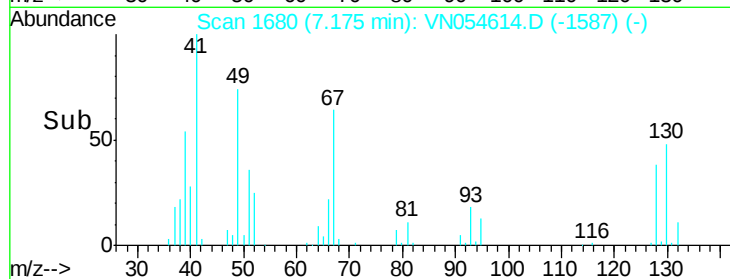
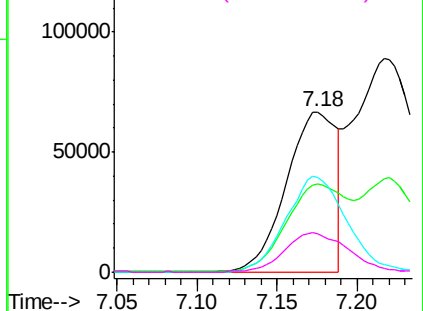
Tot Ion	41	Resp	145362
Ion Ratio	Lower	Upper	
41	100		
39	66.5	46.8	70.2
67	73.6	67.0	100.4
52	31.1	26.5	39.7

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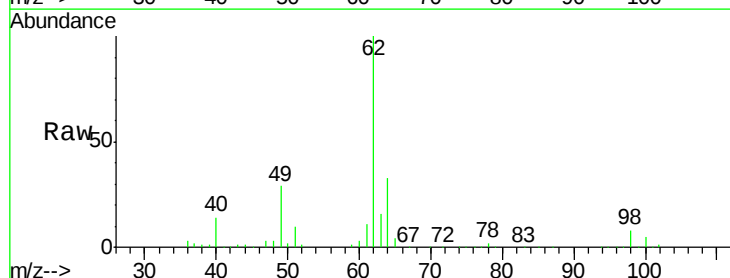


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

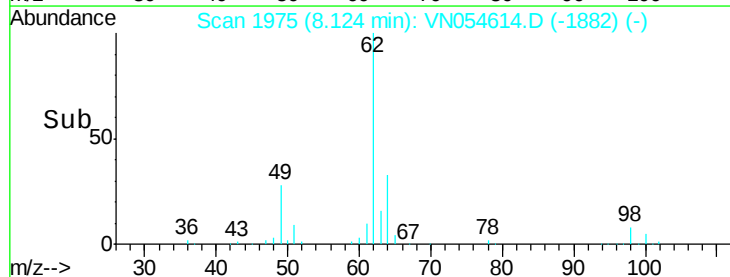
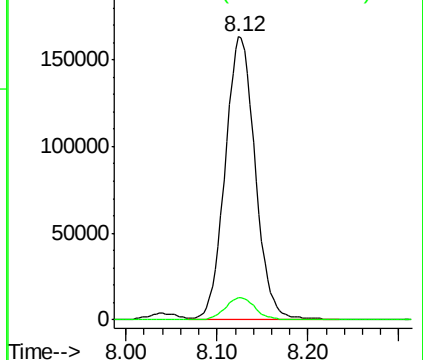


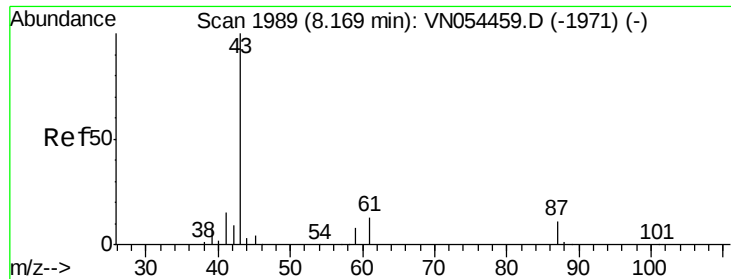
#42
1,2-Dichloroethane
Concen: 52.601 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054614.D
Acq: 23 Mar 2019 19:39

Tgt Ion	62	Resp	373017
Ion Ratio	Lower	Upper	
62	100		
98	7.9	0.0	18.4



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 59.078 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054614.D

Acq: 23 Mar 2019 19:39

Instrument :

MSVOA_N

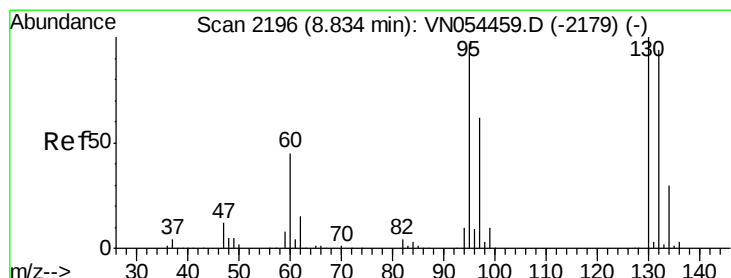
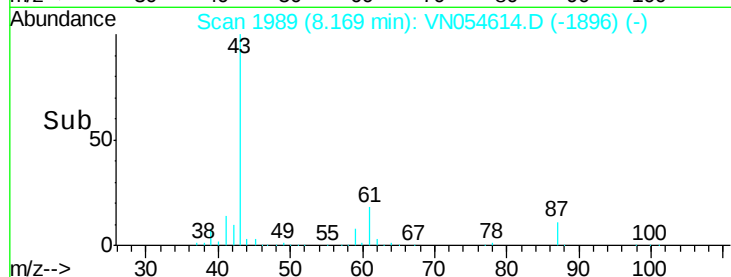
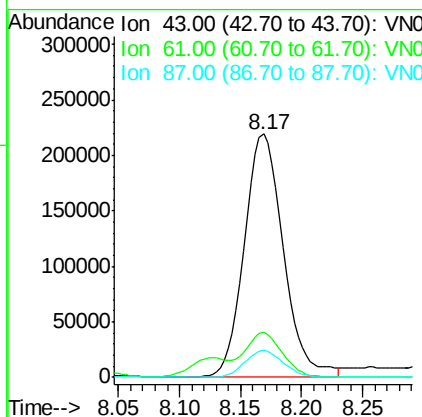
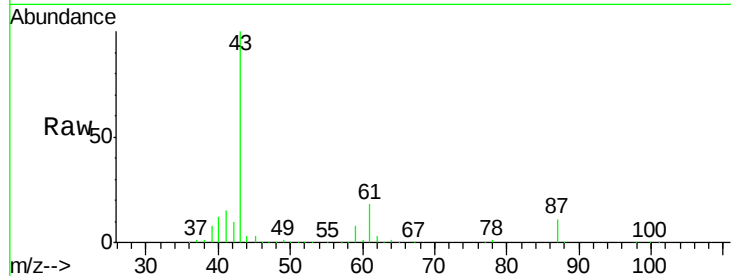
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	483238
Ion	Ratio	Lower	Upper
43	100		
61	17.1	15.8	23.8
87	11.0	12.0	18.0#

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#44

Trichloroethene

Concen: 48.330 ug/l

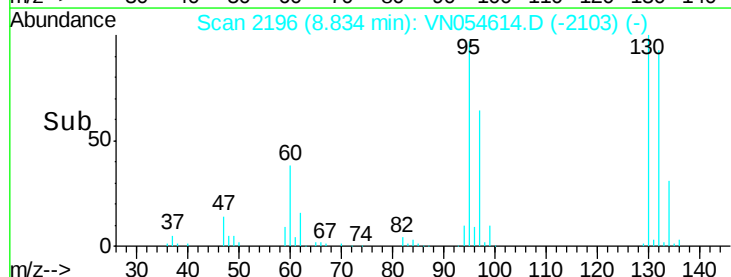
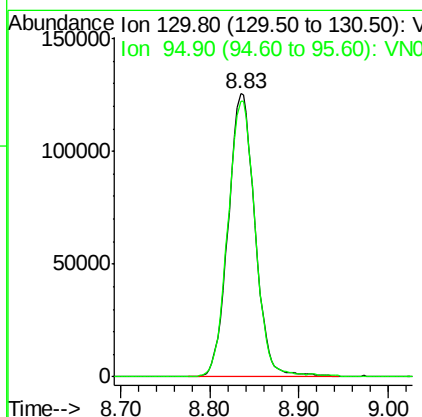
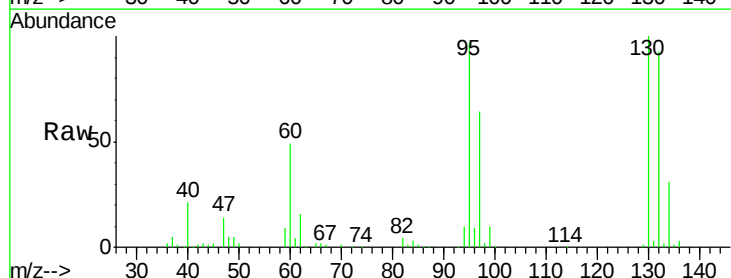
RT: 8.83 min Scan# 2196

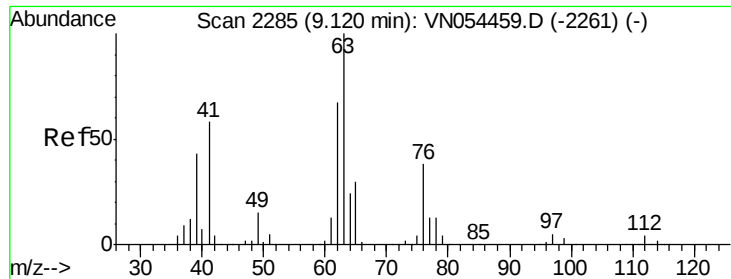
Delta R.T. 0.00 min

Lab File: VN054614.D

Acq: 23 Mar 2019 19:39

Tgt Ion:	130	Resp:	261650
Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	185.2





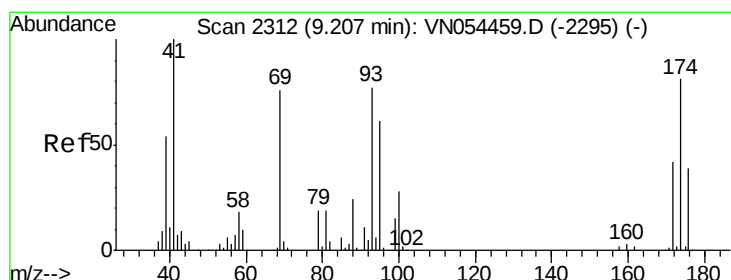
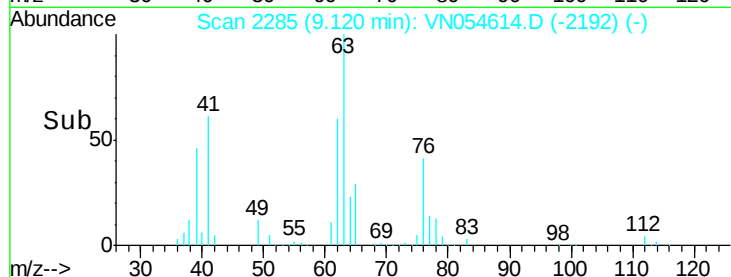
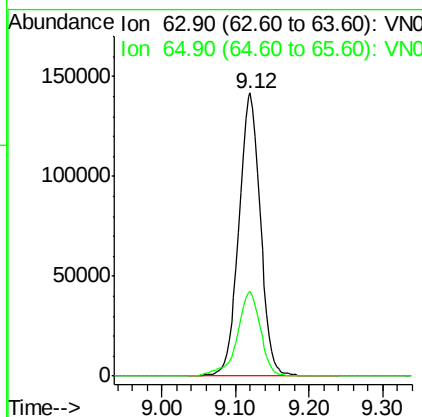
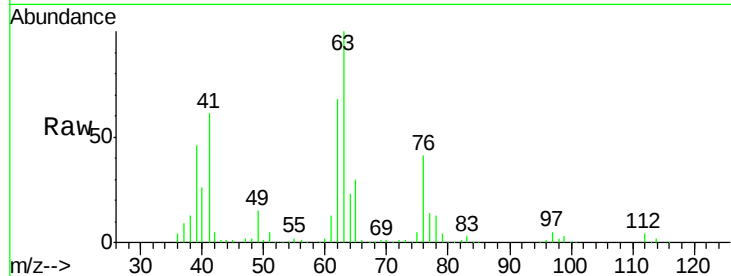
#45
 1,2-Dichloropropane
 Concen: 55.317 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN054614.D
 Acq: 23 Mar 2019 19:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 289241
 Ion Ratio Lower Upper
 63 100
 65 29.8 25.0 37.6

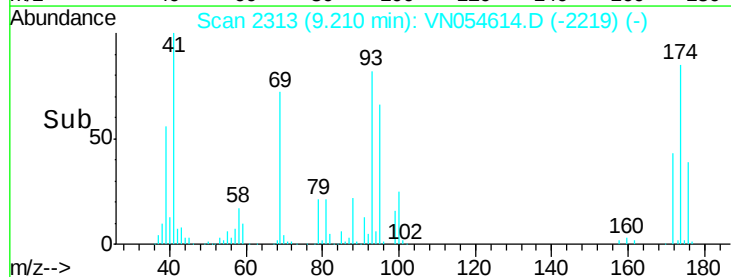
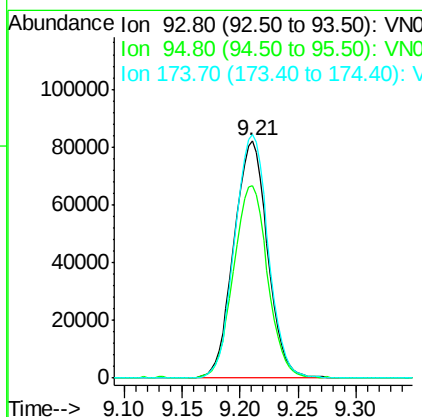
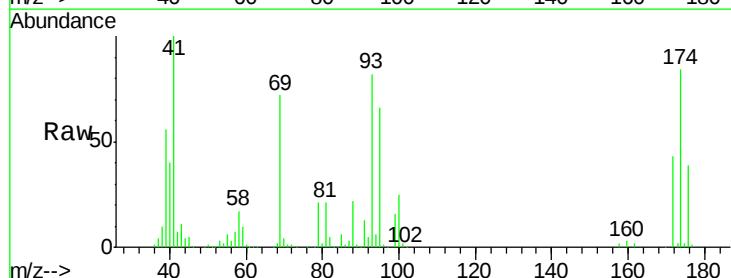
Manual Integrations
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 3/25/2019 10:24:02 AM



#46
 Dibromomethane
 Concen: 53.342 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054614.D
 Acq: 23 Mar 2019 19:39

Tgt Ion: 93 Resp: 166394
 Ion Ratio Lower Upper
 93 100
 95 82.0 66.7 100.1
 174 102.2 98.5 147.7





#47

Bromodichloromethane

Concen: 54.181 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054614.D

Acq: 23 Mar 2019 19:39

Instrument :

MSVOA_N

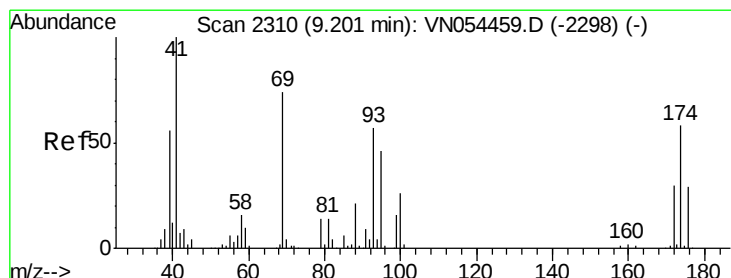
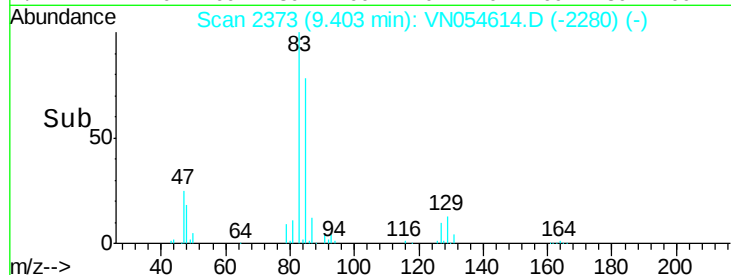
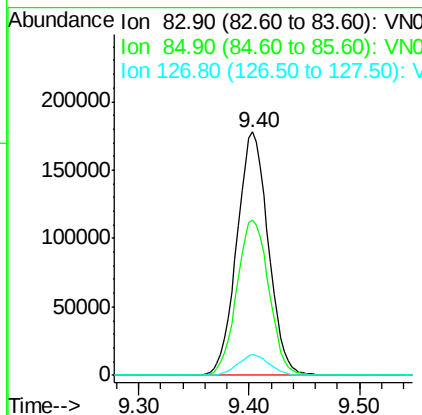
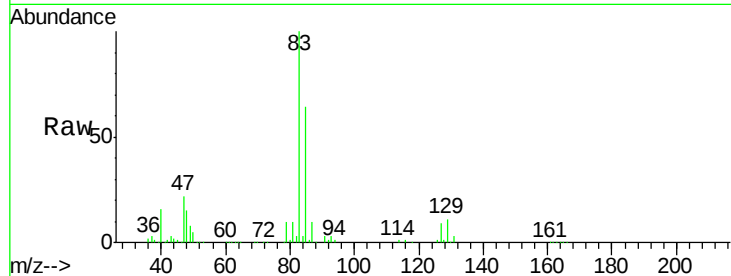
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	350762
Ion Ratio	Lower	Upper	
83	100		
85	64.0	52.8	79.2
127	8.6	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 55.193 ug/l

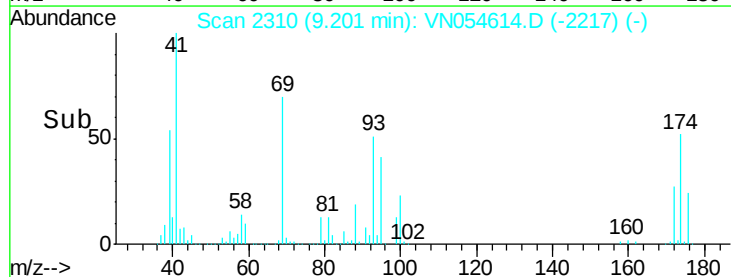
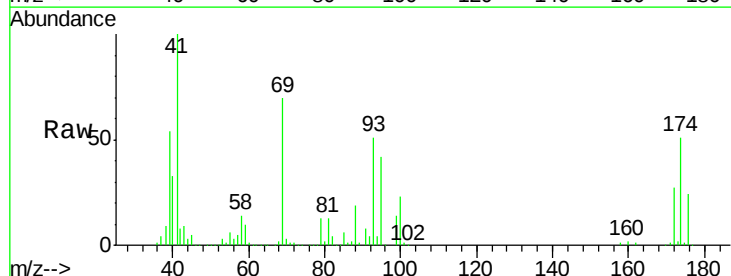
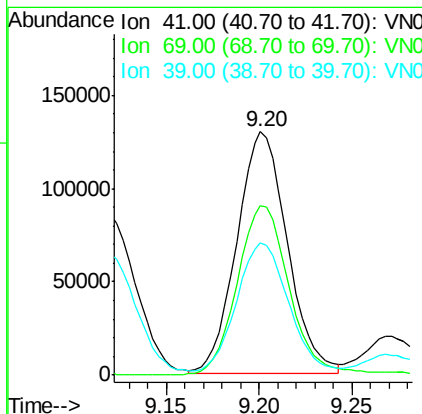
RT: 9.20 min Scan# 2310

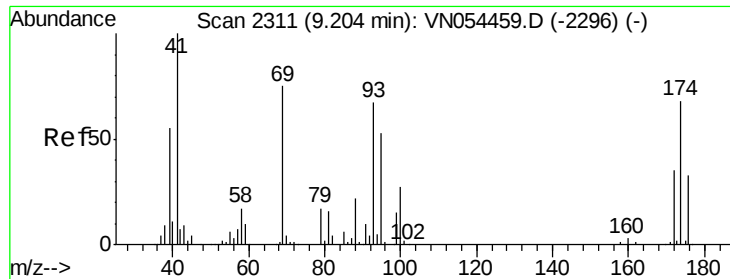
Delta R.T. -0.00 min

Lab File: VN054614.D

Acq: 23 Mar 2019 19:39

Tgt Ion:	41	Resp:	245034
Ion Ratio	Lower	Upper	
41	100		
69	73.5	72.6	108.8
39	56.5	47.5	71.3





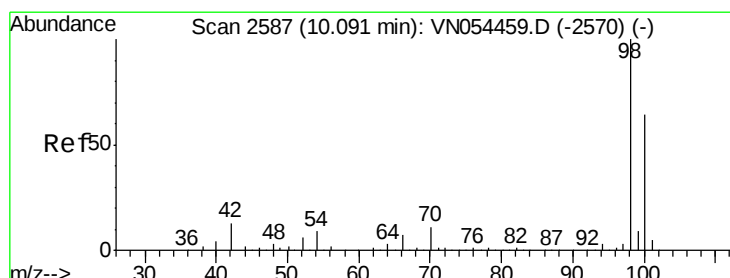
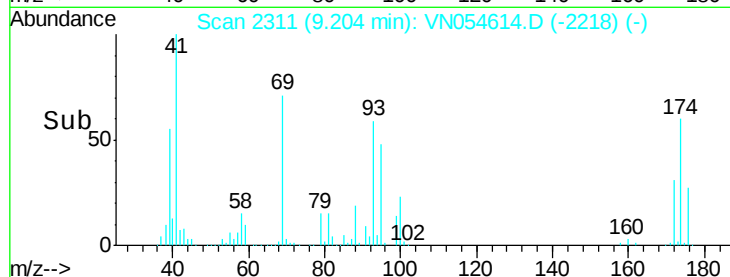
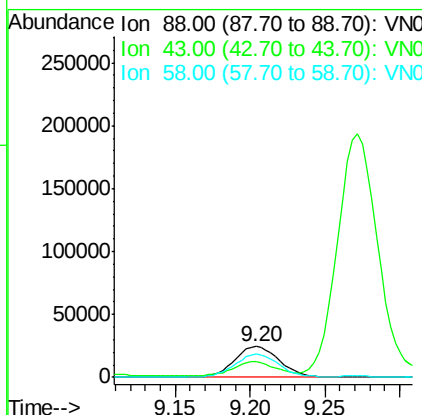
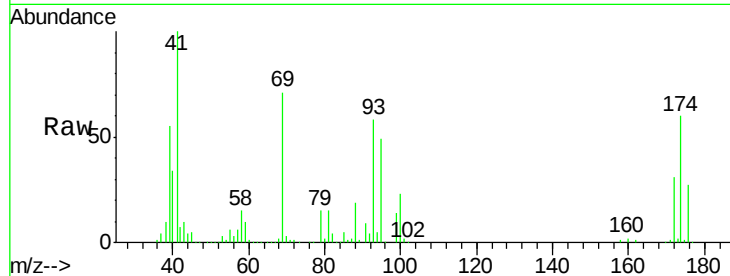
#49
1,4-Dioxane
Concen: 1036.466 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN054614.D
Acq: 23 Mar 2019 19:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 51442
Ion Ratio Lower Upper
88 100
43 39.7 24.1 36.1#
58 75.3 50.8 76.2

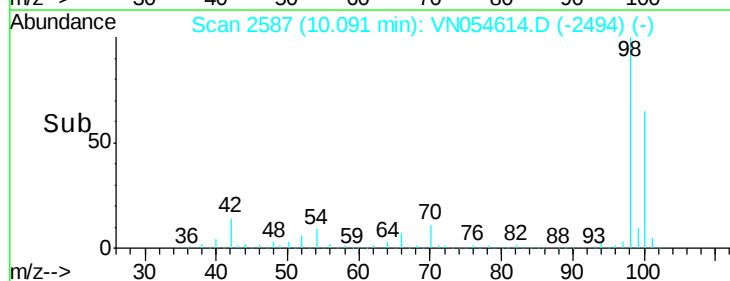
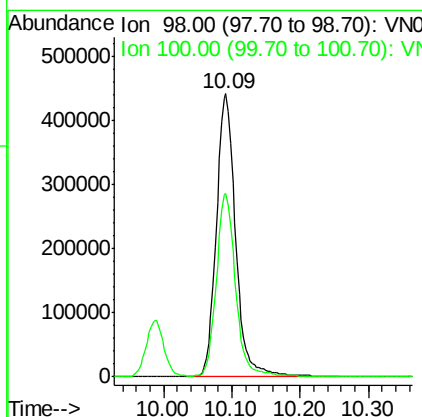
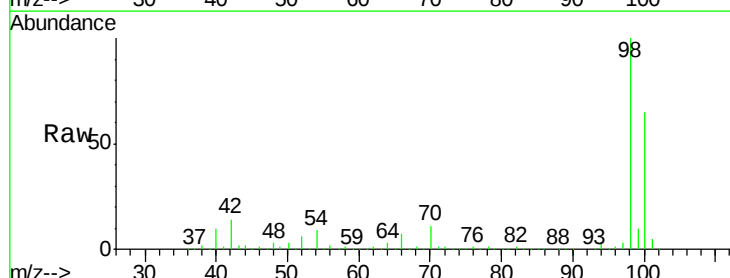
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#50
Toluene-d8
Concen: 49.411 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054614.D
Acq: 23 Mar 2019 19:39

Tgt Ion: 98 Resp: 871572
Ion Ratio Lower Upper
98 100
100 64.5 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 295.209 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054614.D

Acq: 23 Mar 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1338234

Ion Ratio Lower Upper

43 100

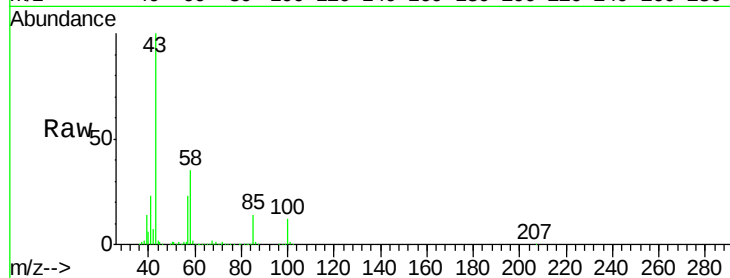
58 35.6 31.8 47.6

Manual Integrations

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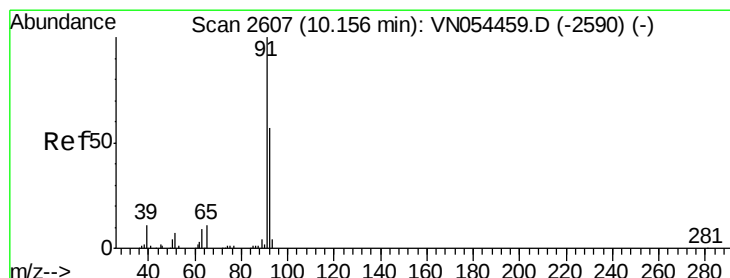
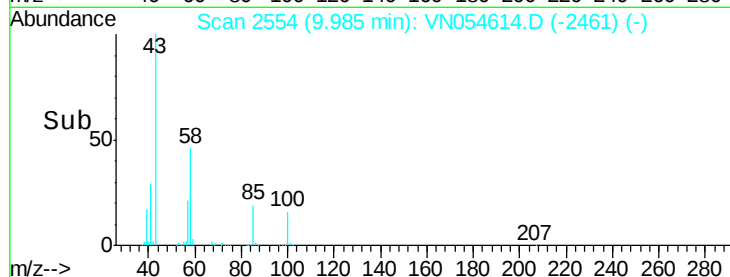
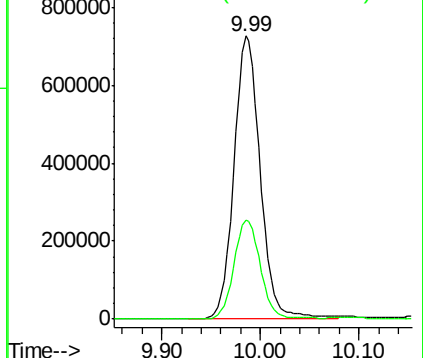
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.154 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054614.D

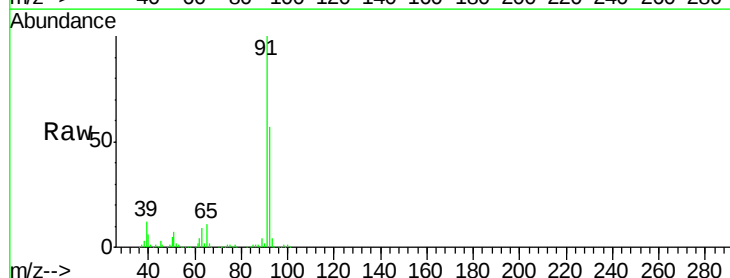
Acq: 23 Mar 2019 19:39

Tgt Ion: 92 Resp: 600682

Ion Ratio Lower Upper

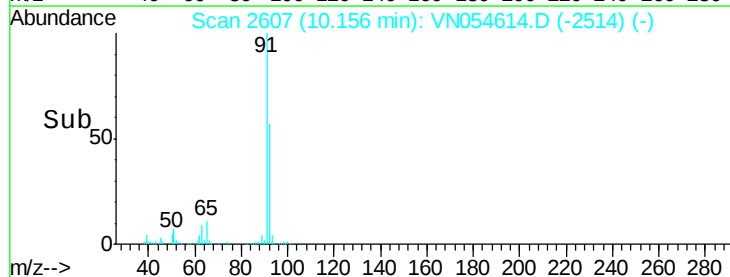
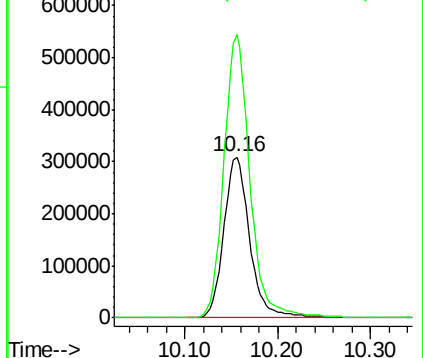
92 100

91 176.2 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





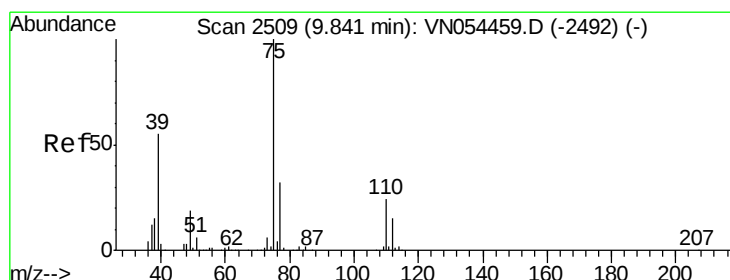
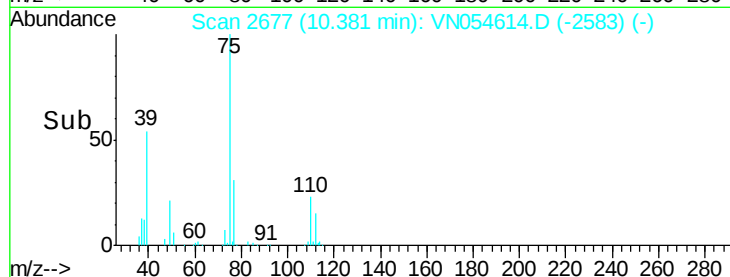
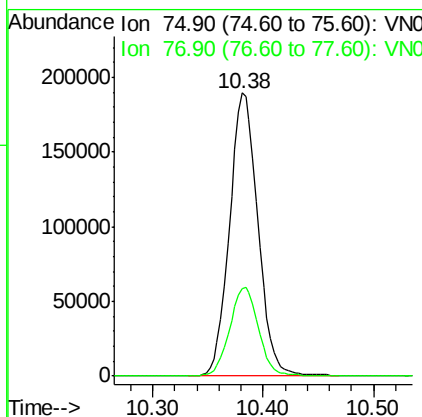
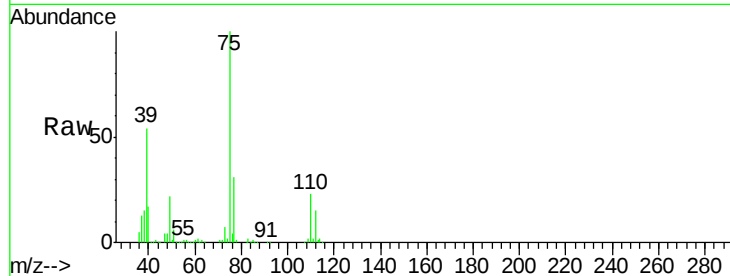
#53
t-1,3-Dichloropropene
Concen: 49.713 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN054614.D
Acq: 23 Mar 2019 19:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 339408
Ion Ratio Lower Upper
75 100
77 30.8 25.8 38.8

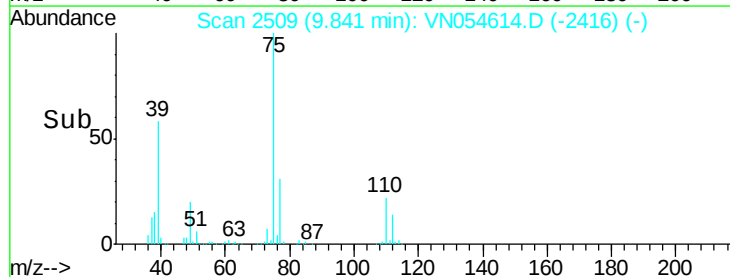
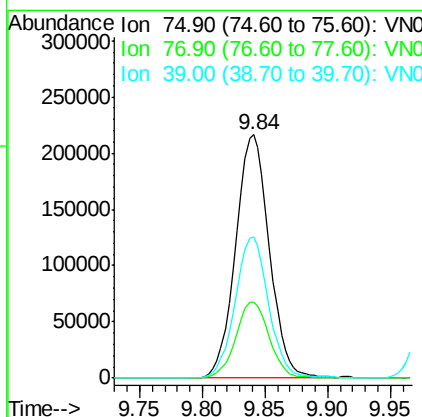
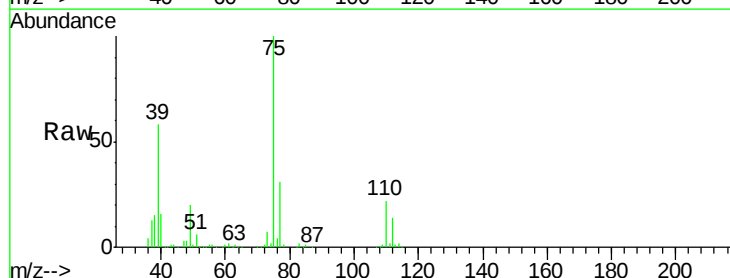
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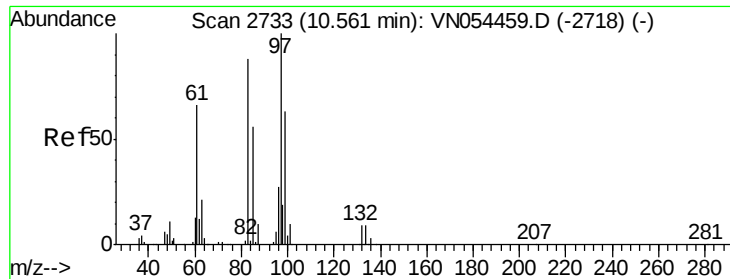
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 54.498 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN054614.D
Acq: 23 Mar 2019 19:39

Tgt Ion: 75 Resp: 404538
Ion Ratio Lower Upper
75 100
77 31.4 25.4 38.0
39 57.8 37.2 55.8#





#55

1,1,2-Trichloroethane

Concen: 52.975 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054614.D

Acq: 23 Mar 2019 19:39

Instrument :

MSVOA_N

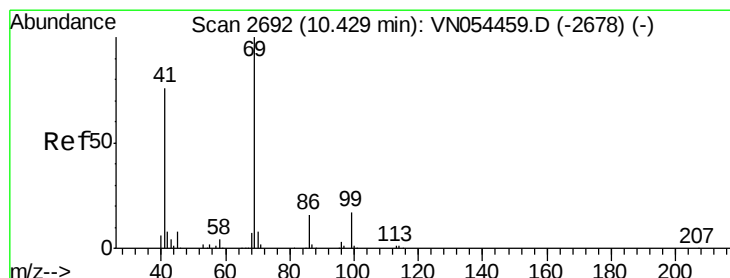
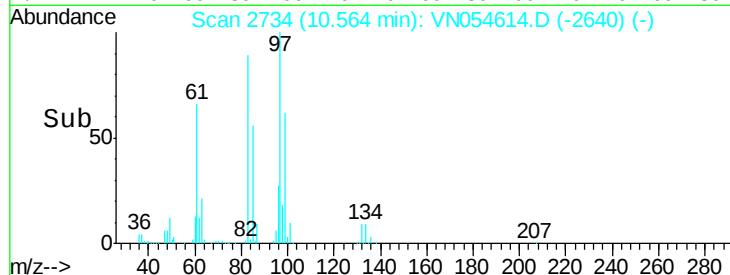
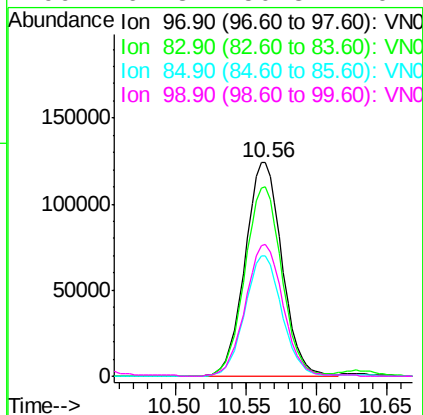
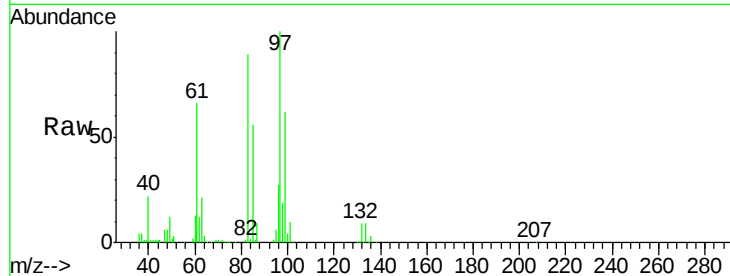
ClientSampleId :

VSTDCCC050EC

Tot Ion	97	Resp	228065
Ion Ratio	Lower	Upper	
97	100		
83	89.0	66.6	100.0
85	56.1	44.4	66.6
99	61.3	50.8	76.2

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#56

Ethyl methacrylate

Concen: 56.268 ug/l

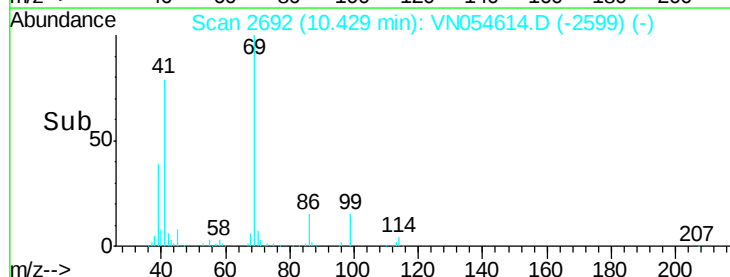
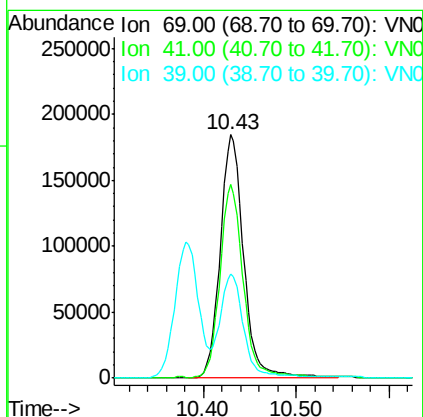
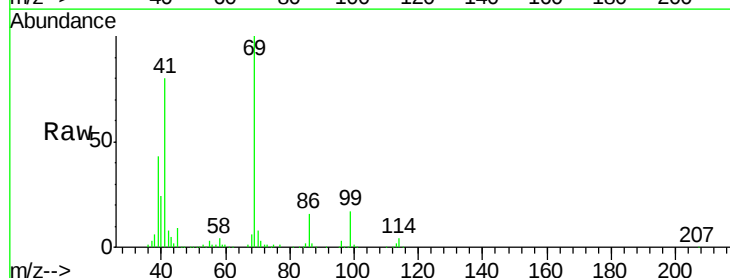
RT: 10.43 min Scan# 2692

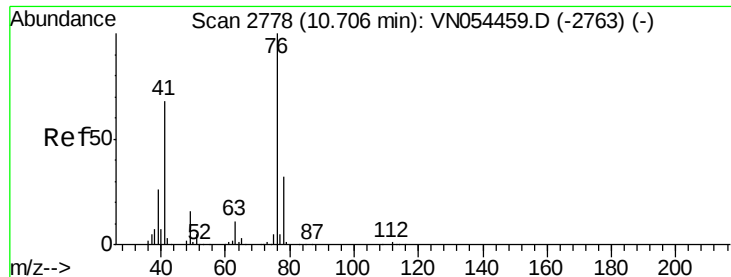
Delta R.T. -0.00 min

Lab File: VN054614.D

Acq: 23 Mar 2019 19:39

Tgt Ion	69	Resp	325140
Ion Ratio	Lower	Upper	
69	100		
41	77.7	49.4	74.2#
39	42.4	28.3	42.5





#57

1,3-Dichloropropane

Concen: 53.722 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054614.D

Acq: 23 Mar 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 402042

Ion Ratio Lower Upper

76 100

78 31.7

25.7

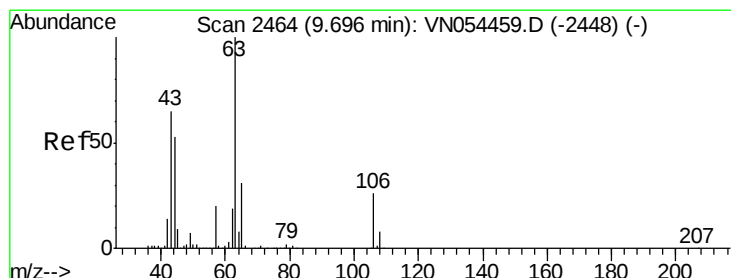
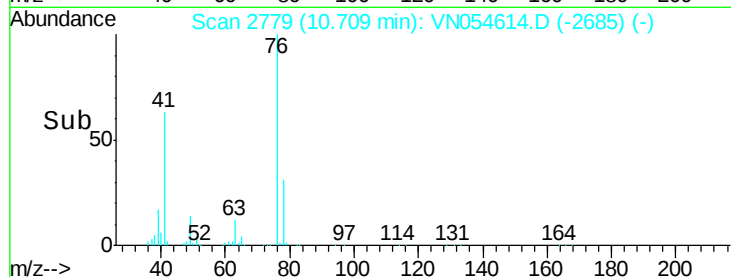
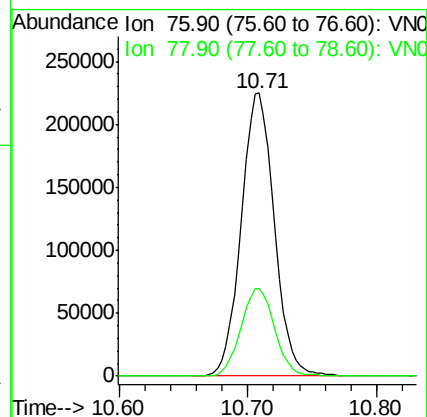
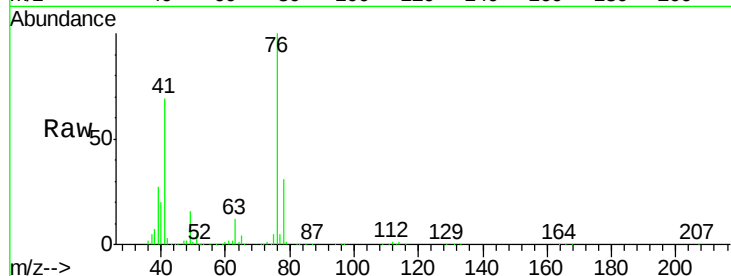
38.5

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 255.205 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054614.D

Acq: 23 Mar 2019 19:39

Tgt Ion: 63 Resp: 607236

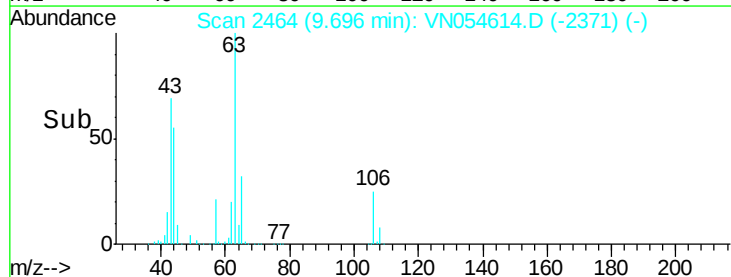
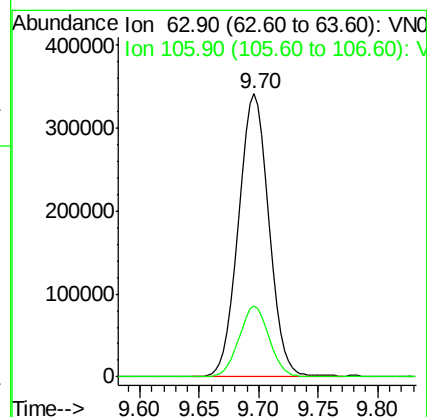
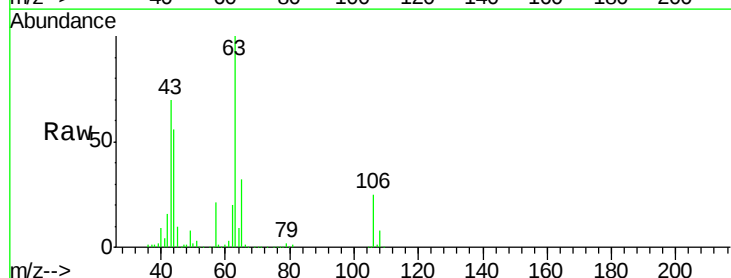
Ion Ratio Lower Upper

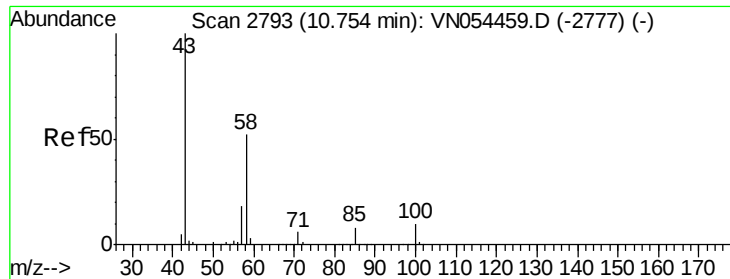
63 100

106 24.8

24.4

36.6





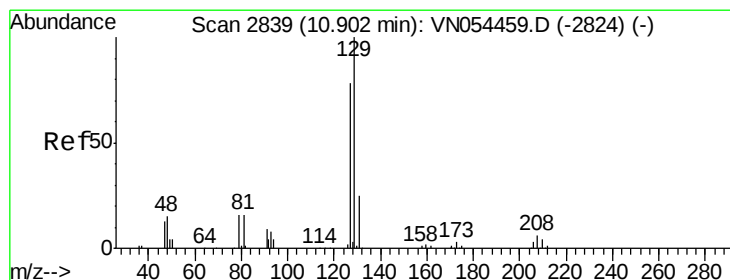
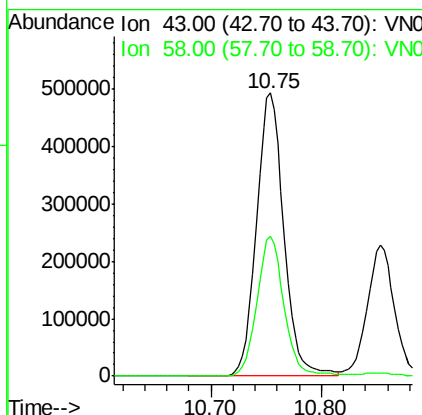
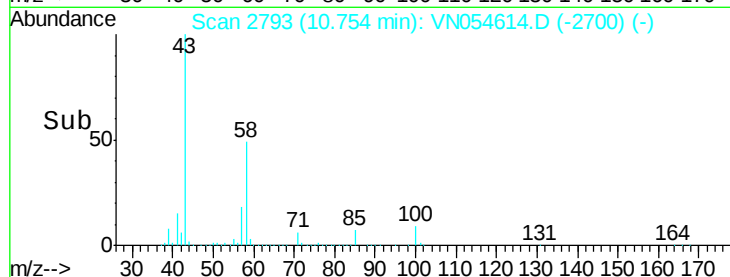
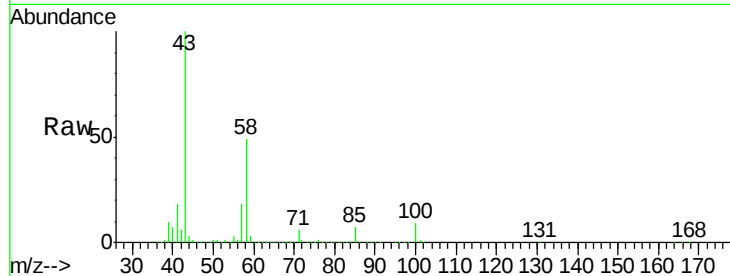
#59
2-Hexanone
Concen: 285.170 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054614.D
Acq: 23 Mar 2019 19:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 844393
Ion Ratio Lower Upper
43 100
58 49.1 28.0 83.9

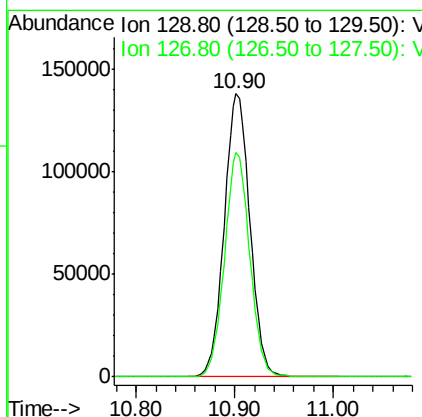
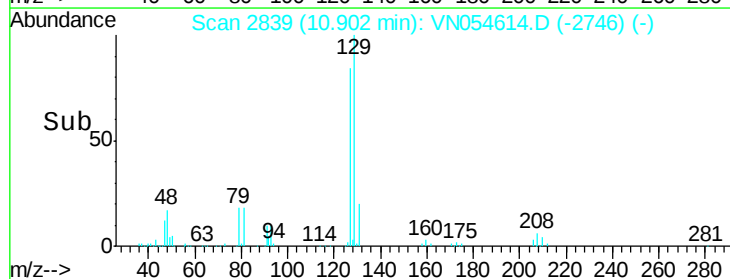
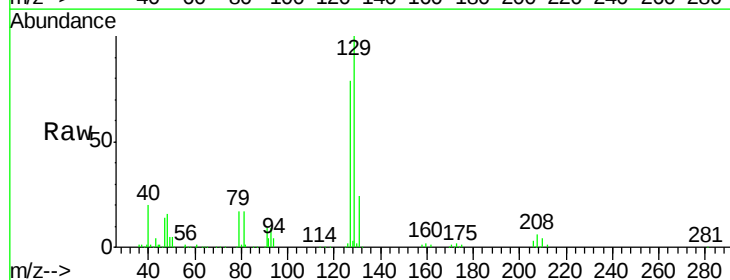
Manual Integrations
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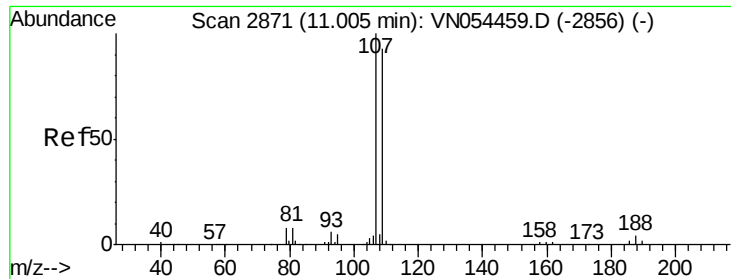
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#60
Dibromochloromethane
Concen: 55.105 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054614.D
Acq: 23 Mar 2019 19:39

Tgt Ion: 129 Resp: 252439
Ion Ratio Lower Upper
129 100
127 78.0 38.6 115.8





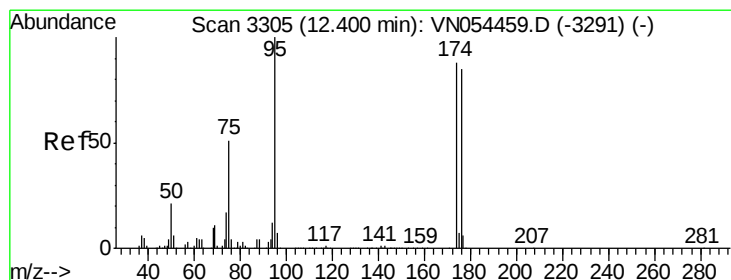
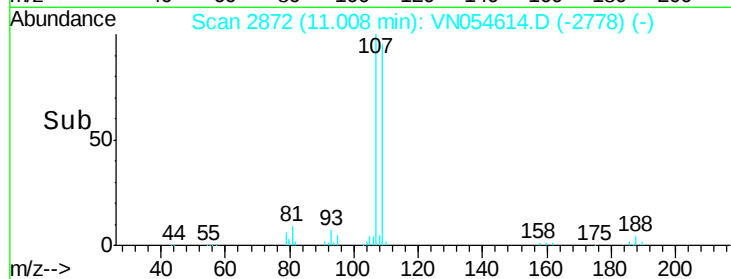
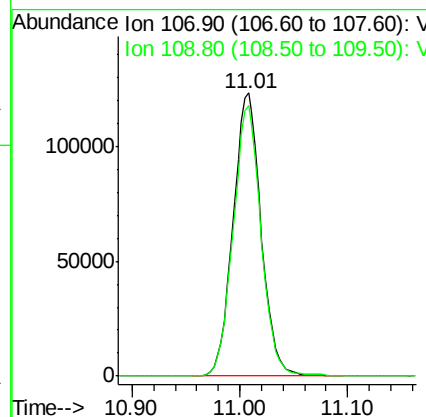
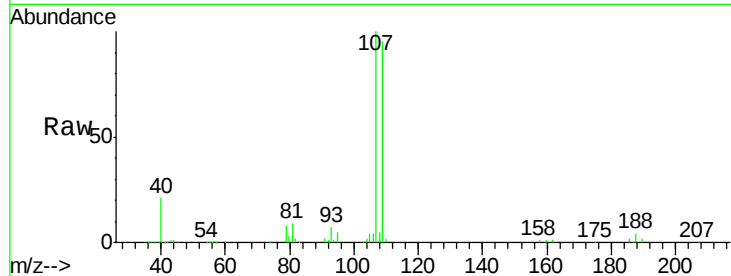
#61
 1,2-Dibromoethane
 Concen: 52.448 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054614.D
 Acq: 23 Mar 2019 19:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.9	113.9

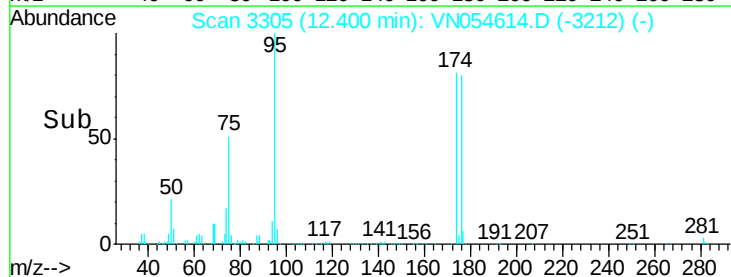
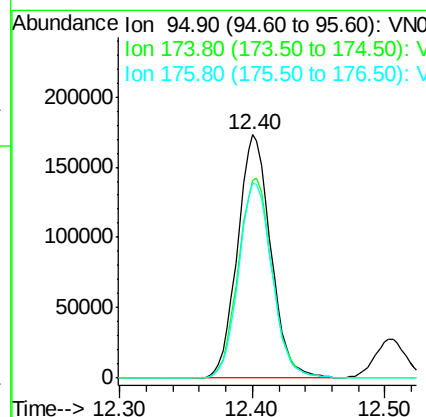
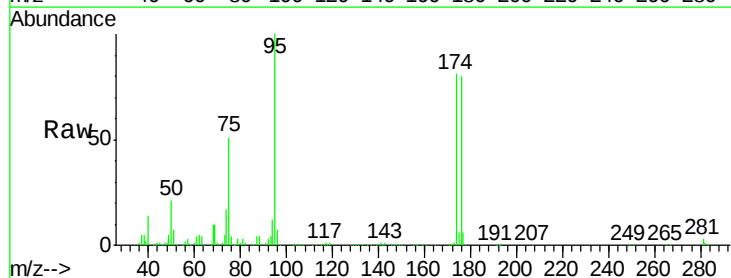
Manual Integrations
 APPROVED

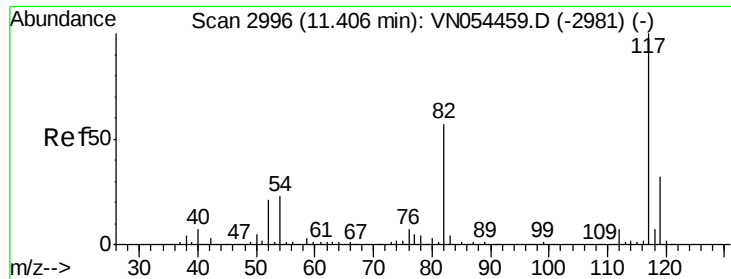
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 50.191 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054614.D
 Acq: 23 Mar 2019 19:39

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.9	0.0	191.0
176	80.9	0.0	187.4





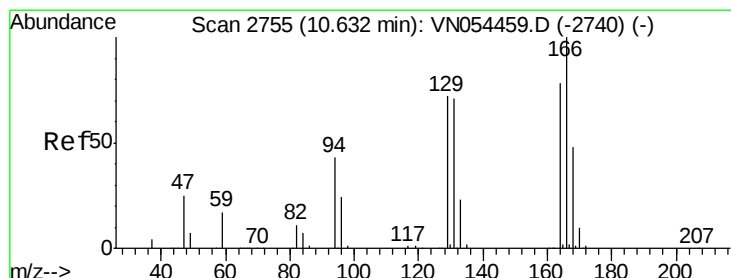
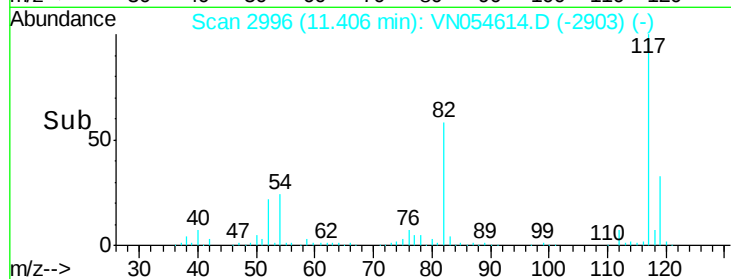
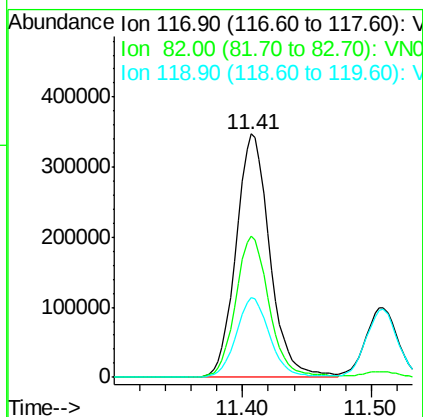
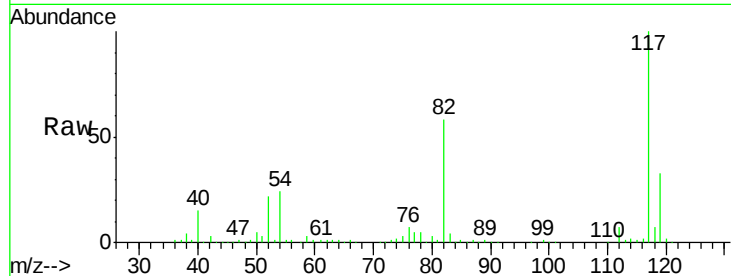
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054614.D
Acq: 23 Mar 2019 19:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.0	40.0	60.0
119	32.8	25.8	38.6

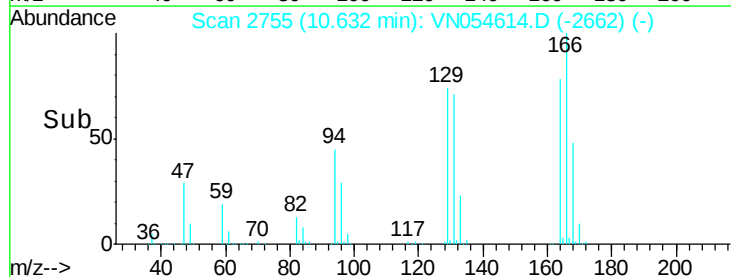
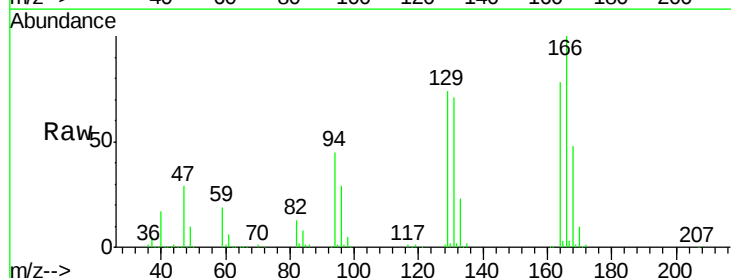
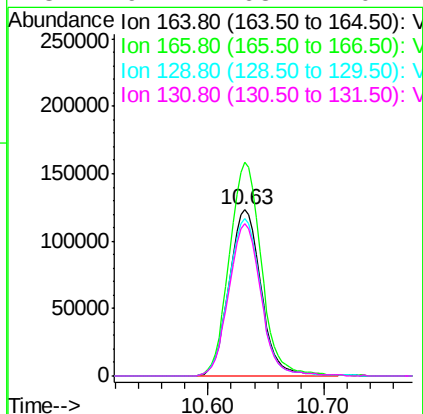
Manual Integrations
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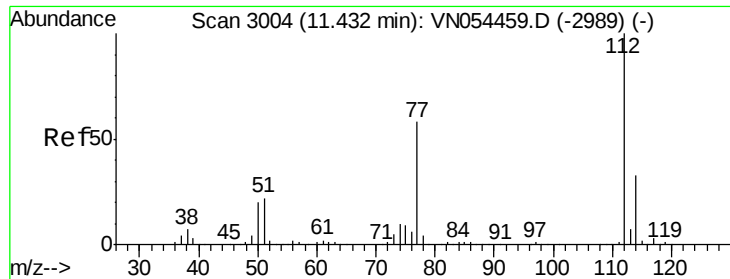
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#64
Tetrachloroethene
Concen: 44.720 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054614.D
Acq: 23 Mar 2019 19:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	103.9	155.9
129	94.8	71.1	106.7
131	91.7	68.2	102.4





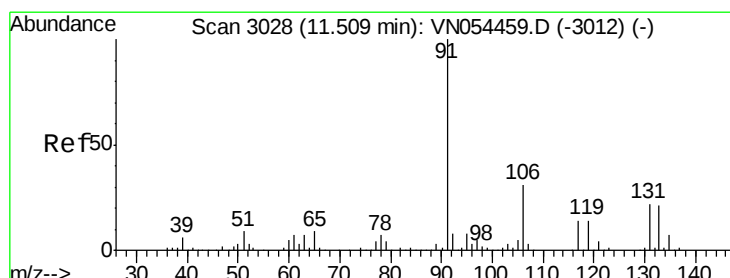
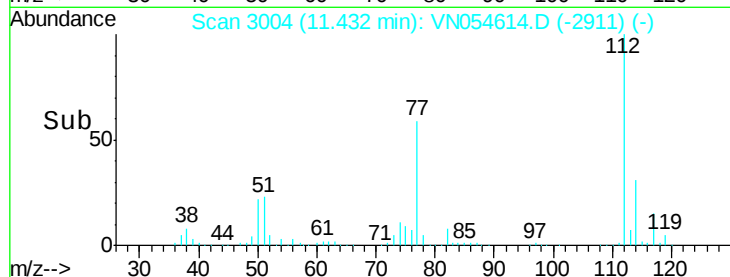
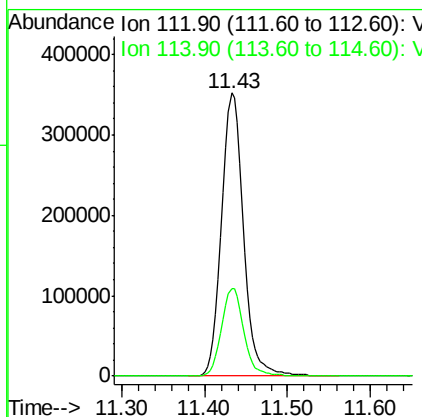
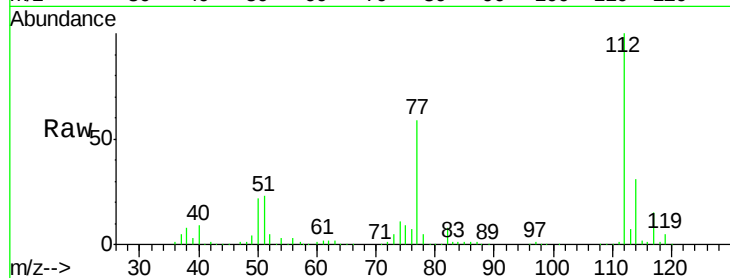
#65
Chlorobenzene
Concen: 50.214 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054614.D
Acq: 23 Mar 2019 19:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 645752
Ion Ratio Lower Upper
112 100
114 31.1 25.9 38.9

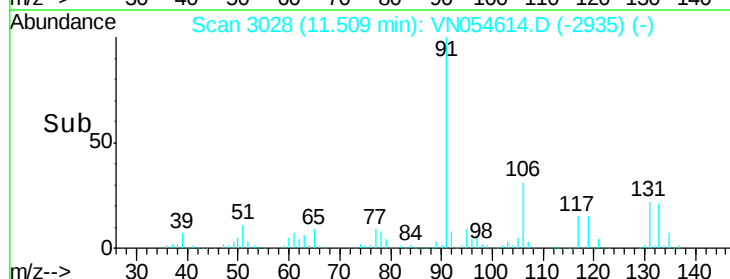
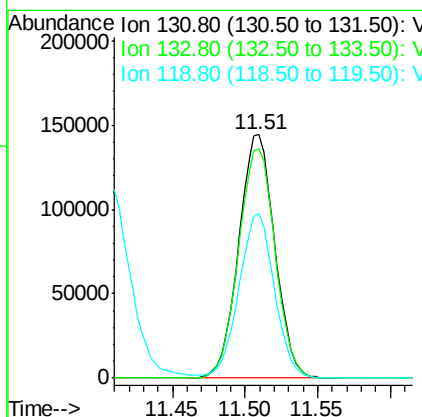
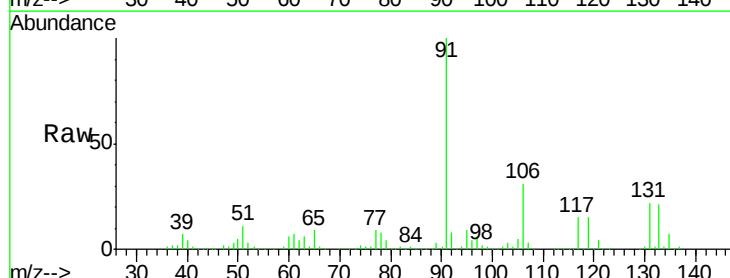
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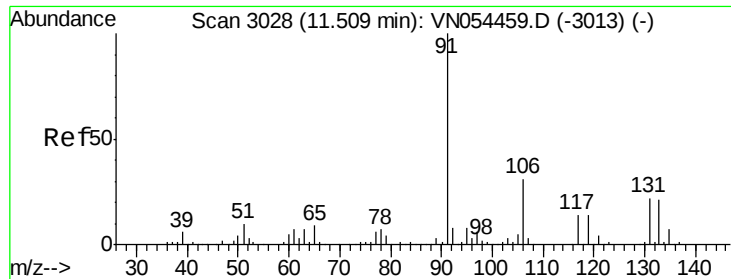
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.908 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054614.D
Acq: 23 Mar 2019 19:39

Tgt Ion:131 Resp: 248830
Ion Ratio Lower Upper
131 100
133 95.8 47.6 142.9
119 66.8 32.4 97.0





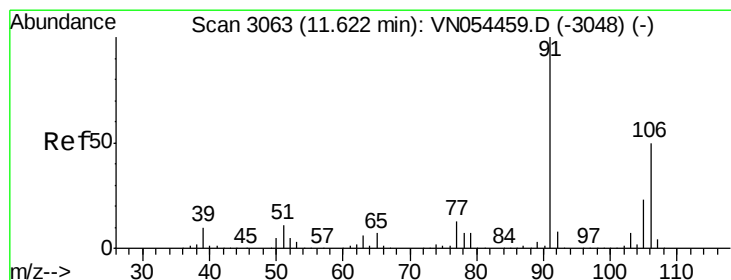
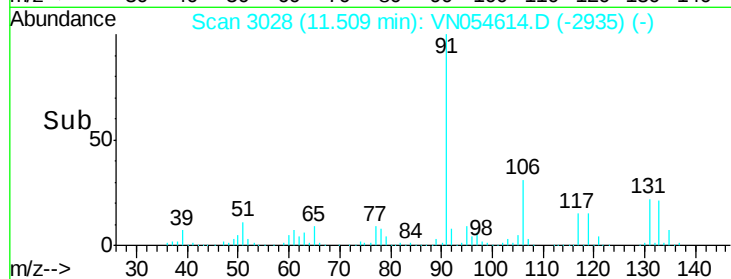
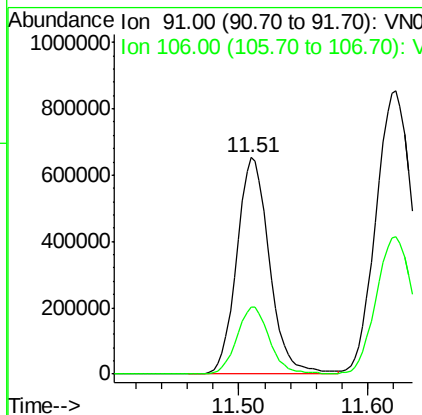
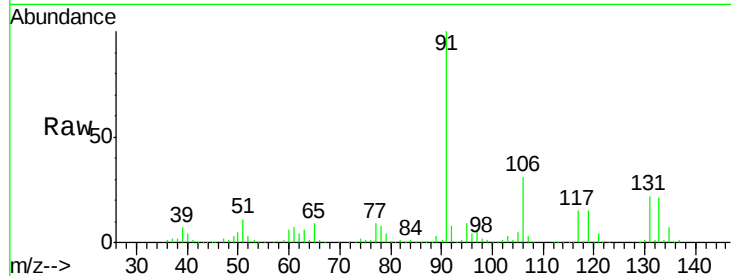
#67
Ethyl Benzene
Concen: 50.691 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054614.D
Acq: 23 Mar 2019 19:39

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 1151517
Ion Ratio Lower Upper
91 100
106 30.9 25.5 38.3

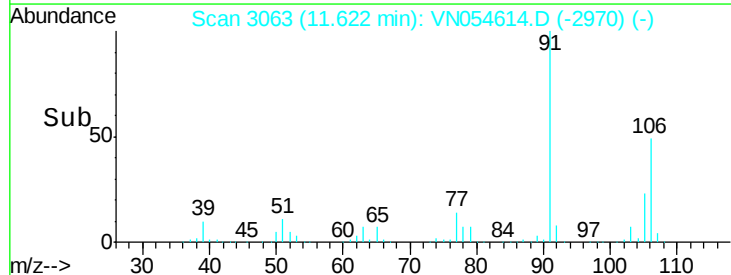
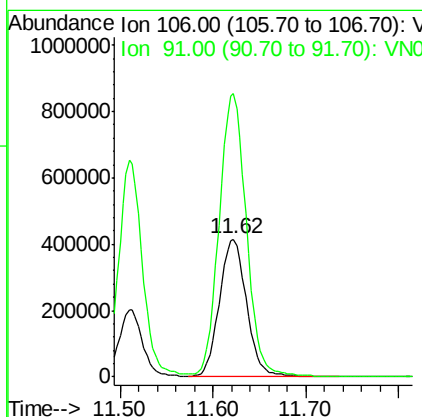
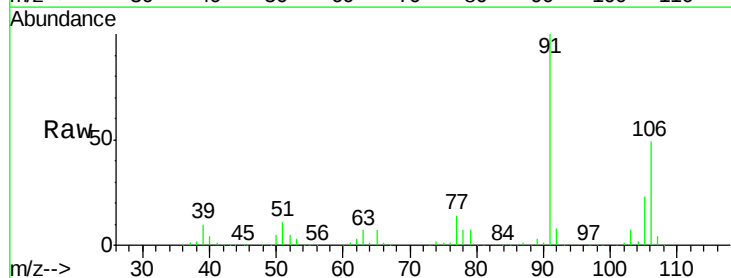
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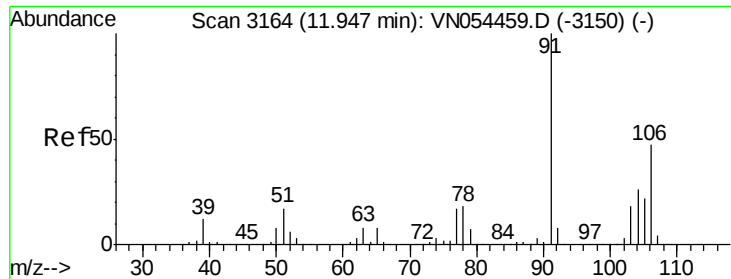
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#68
m/p-Xylenes
Concen: 98.366 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054614.D
Acq: 23 Mar 2019 19:39

Tgt Ion: 106 Resp: 846374
Ion Ratio Lower Upper
106 100
91 205.6 159.4 239.2





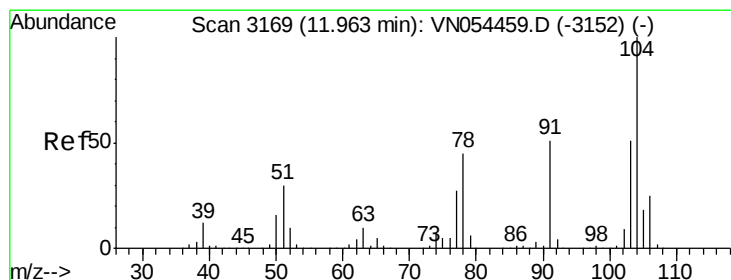
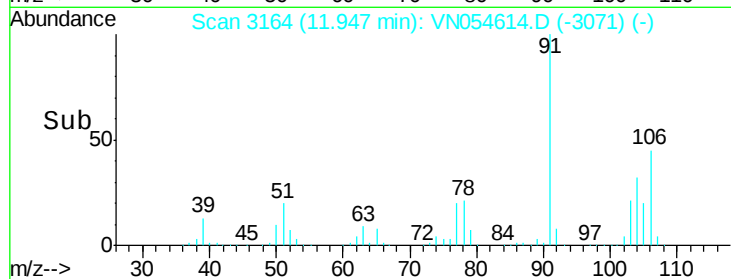
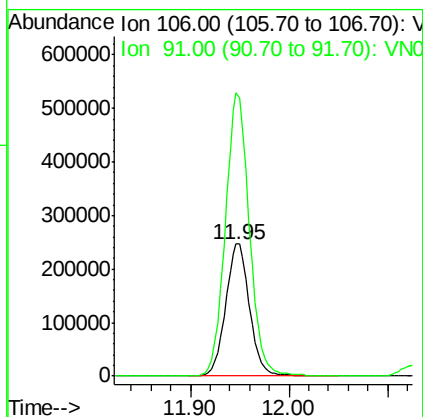
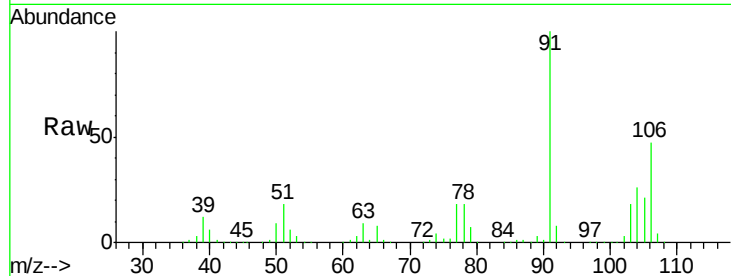
#69
o-Xylene
Concen: 49.970 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054614.D
Acq: 23 Mar 2019 19:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 419899
Ion Ratio Lower Upper
106 100
91 215.4 105.7 317.1

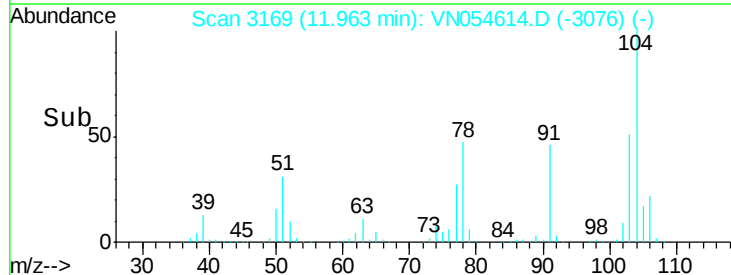
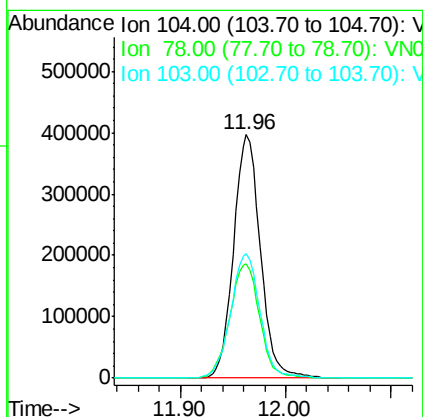
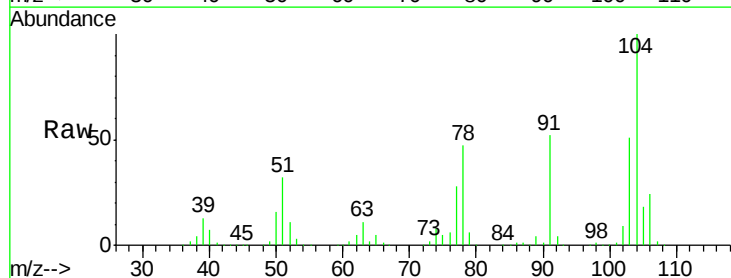
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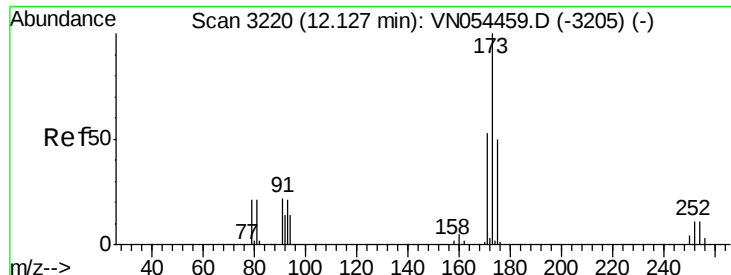
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#70
Styrene
Concen: 51.215 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054614.D
Acq: 23 Mar 2019 19:39

Tgt Ion:104 Resp: 698873
Ion Ratio Lower Upper
104 100
78 52.2 38.2 57.2
103 55.9 44.4 66.6





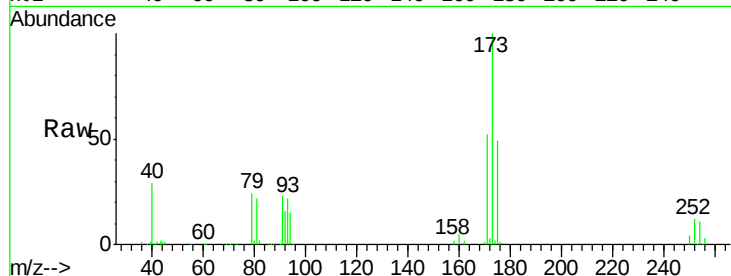
#71
Bromoform
Concen: 49.164 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054614.D
Acq: 23 Mar 2019 19:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

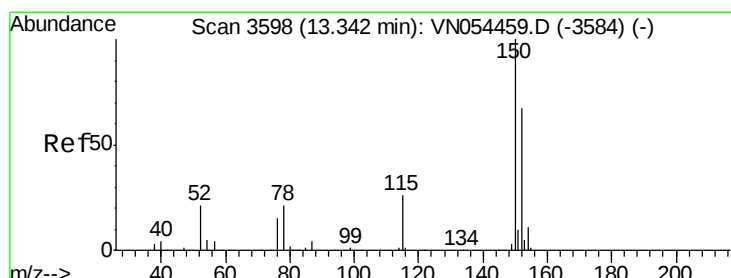
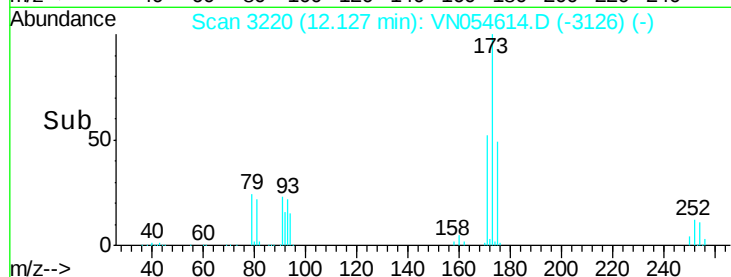
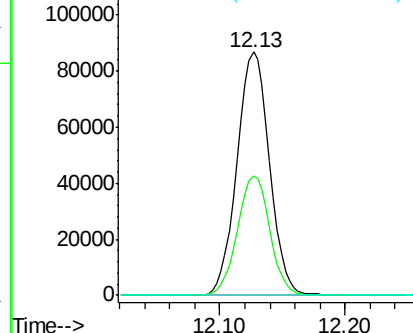
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.4	73.2
254	0.2	0.1	0.1#

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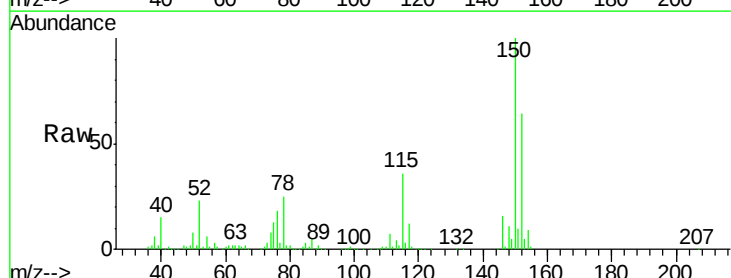


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

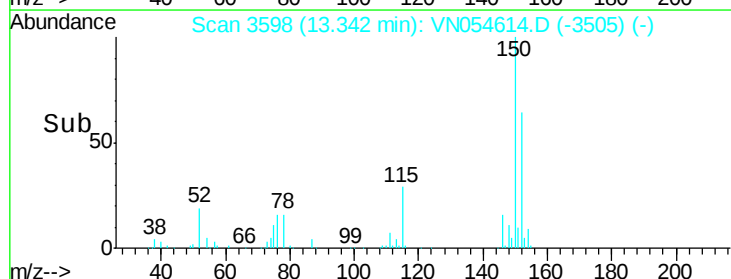
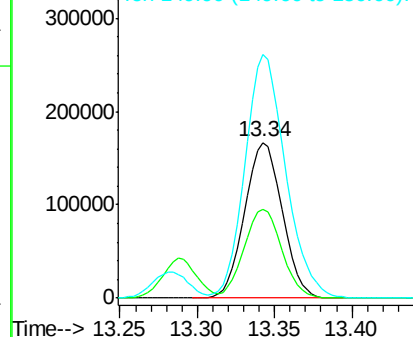


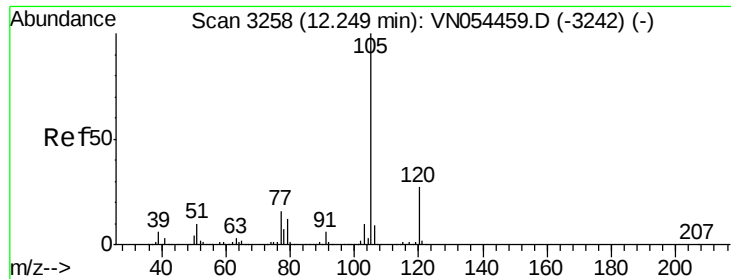
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054614.D
Acq: 23 Mar 2019 19:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.5	27.2	81.6
150	169.3	0.0	349.2



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





#73

Isopropylbenzene

Concen: 48.168 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054614.D

Acq: 23 Mar 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1094099

Ion Ratio Lower Upper

105 100

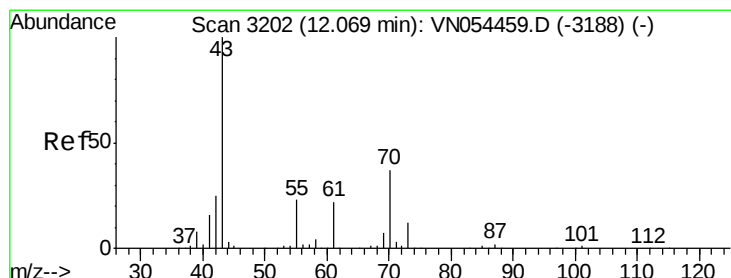
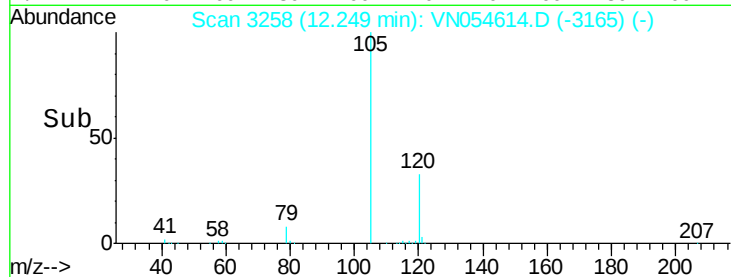
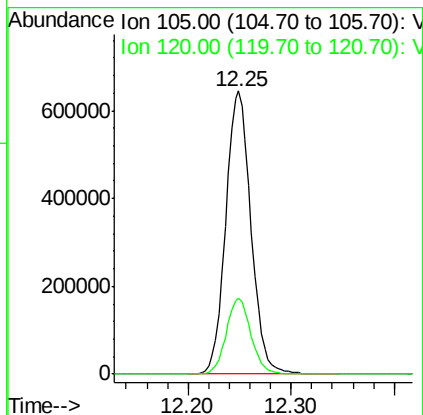
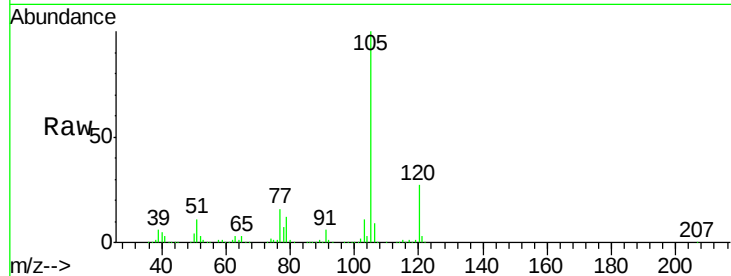
120 26.4 13.8 41.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 58.295 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054614.D

Acq: 23 Mar 2019 19:39

Tgt Ion: 43 Resp: 380733

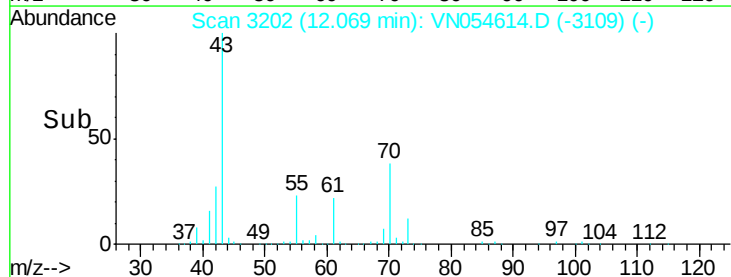
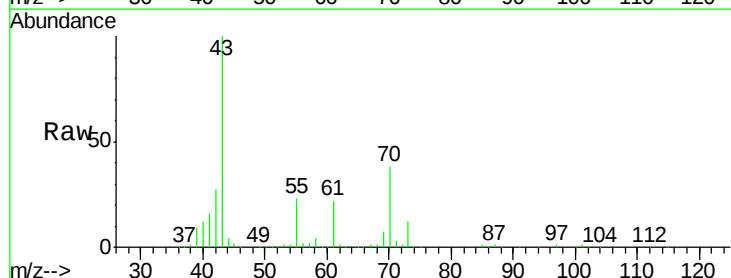
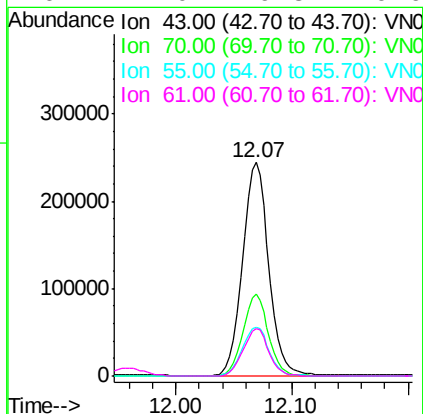
Ion Ratio Lower Upper

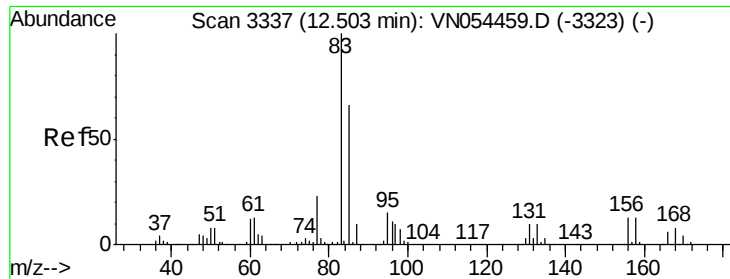
43 100

70 37.5 35.4 53.0

55 23.5 19.8 29.6

61 22.0 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 55.384 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054614.D

Acq: 23 Mar 2019 19:39

Instrument :

MSVOA_N

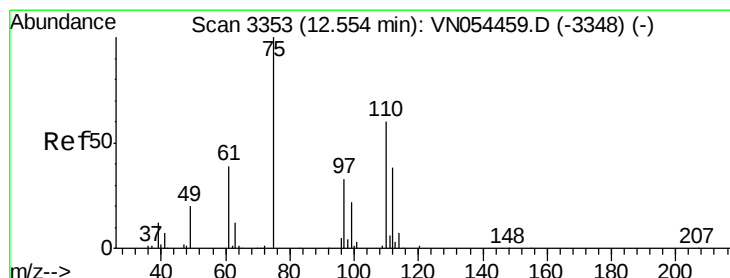
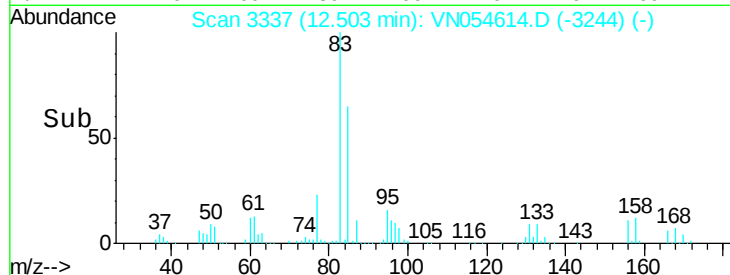
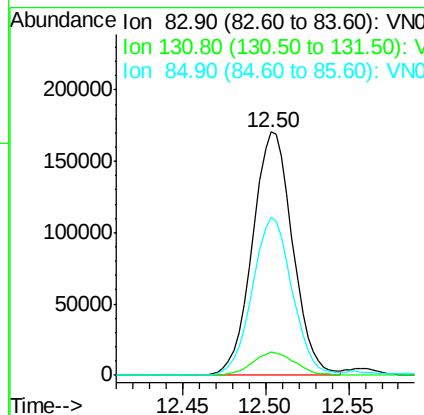
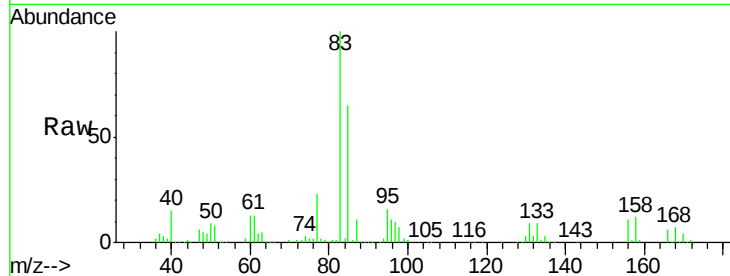
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	287167
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.8	17.4
85	64.3	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 53.606 ug/l m

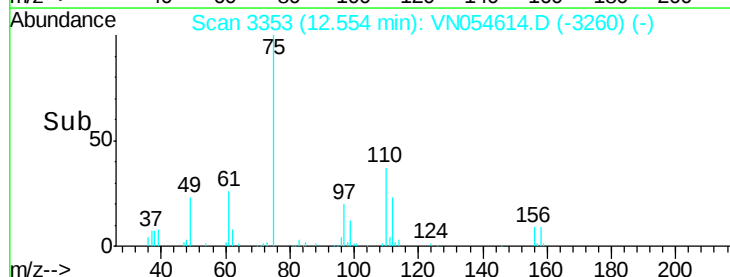
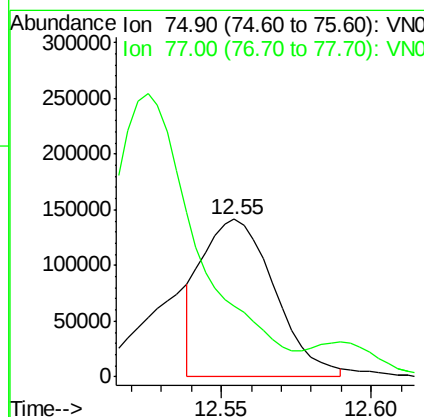
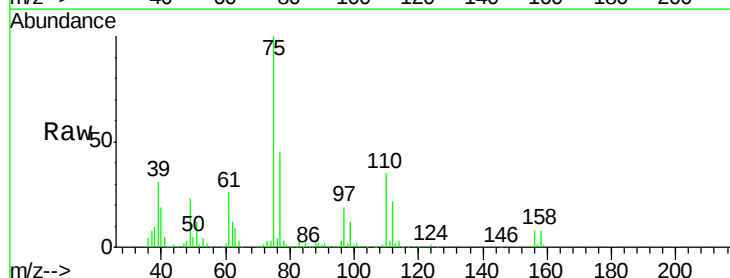
RT: 12.55 min Scan# 3353

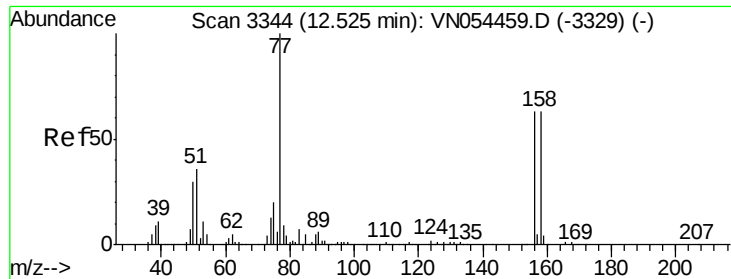
Delta R.T. -0.00 min

Lab File: VN054614.D

Acq: 23 Mar 2019 19:39

Tgt Ion:	75	Resp:	239774
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.106 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054614.D

Acq: 23 Mar 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 276632

Ion Ratio Lower Upper

156 100

77 192.2 81.5 244.4

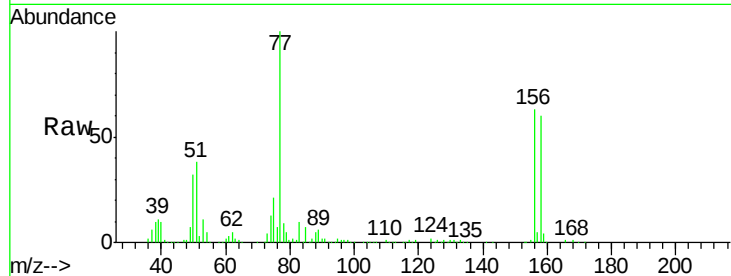
158 97.1 49.0 147.2

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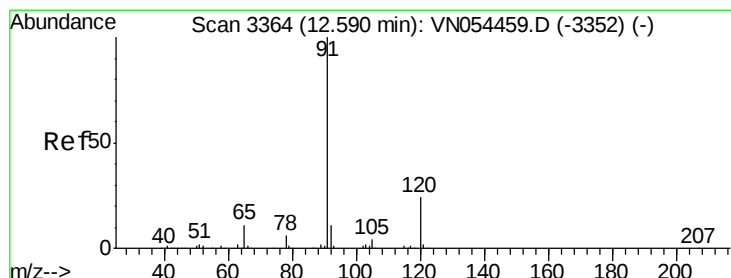
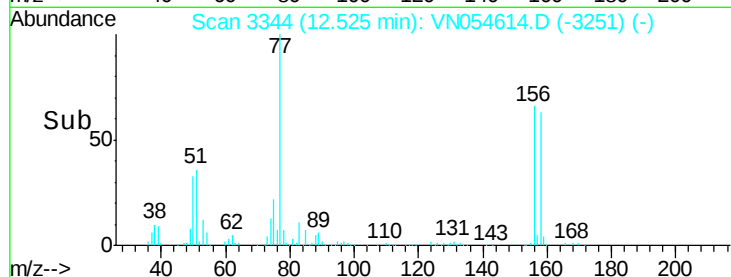
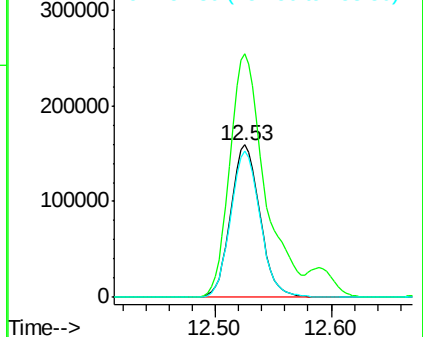
3/25/2019 10:24:02 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.828 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054614.D

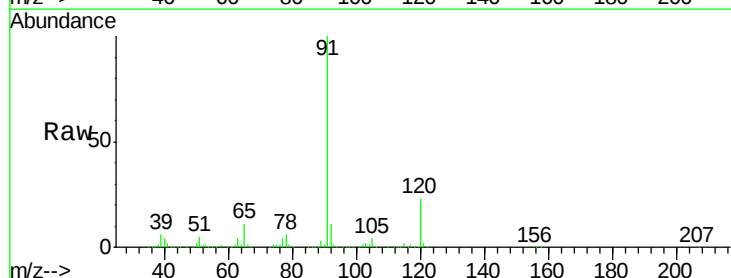
Acq: 23 Mar 2019 19:39

Tgt Ion: 91 Resp: 1202634

Ion Ratio Lower Upper

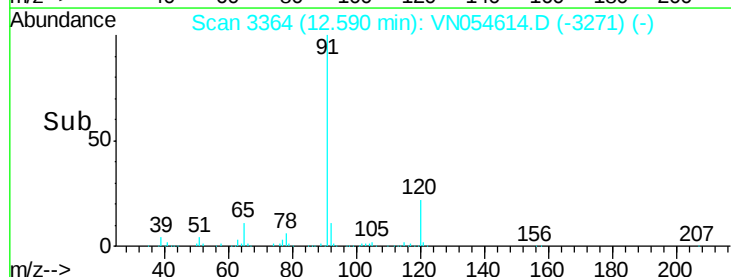
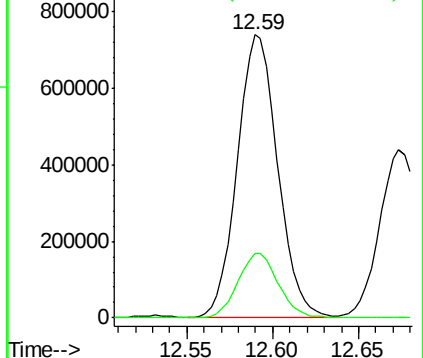
91 100

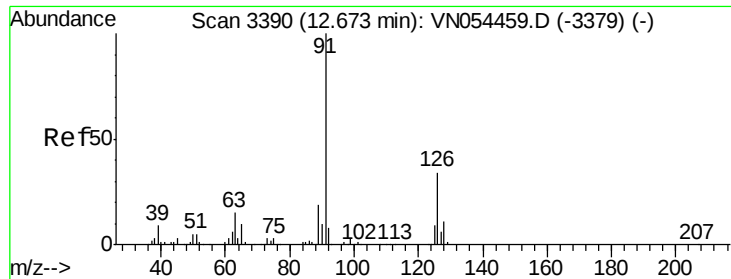
120 23.0 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.334 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054614.D

Acq: 23 Mar 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 742380

Ion Ratio Lower Upper

91 100

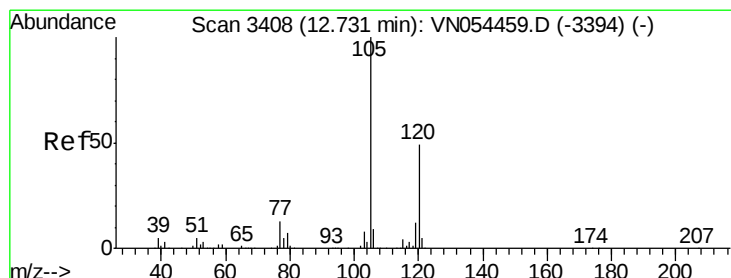
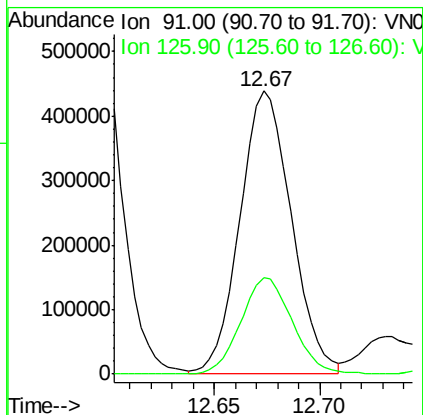
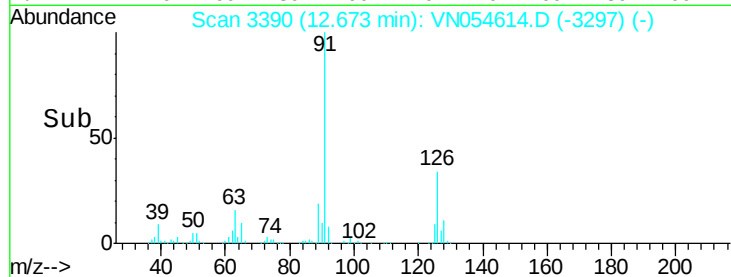
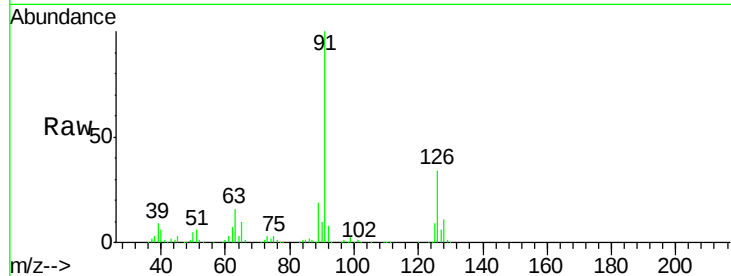
126 34.3 18.7 56.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 48.245 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054614.D

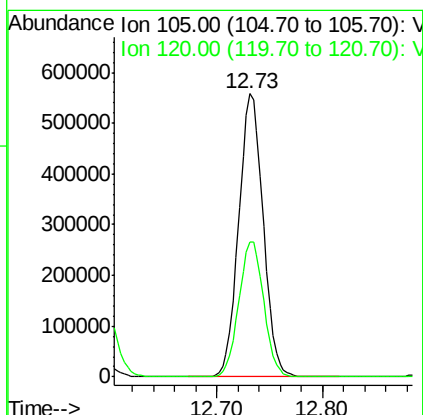
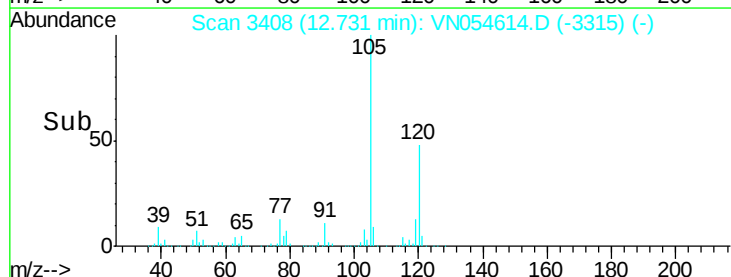
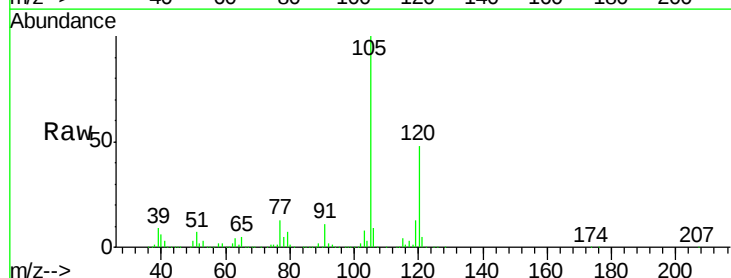
Acq: 23 Mar 2019 19:39

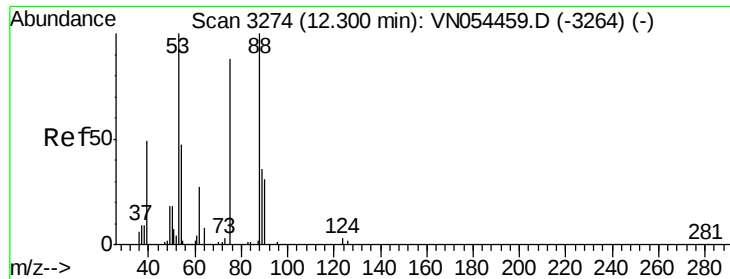
Tgt Ion: 105 Resp: 898142

Ion Ratio Lower Upper

105 100

120 48.7 25.0 75.0





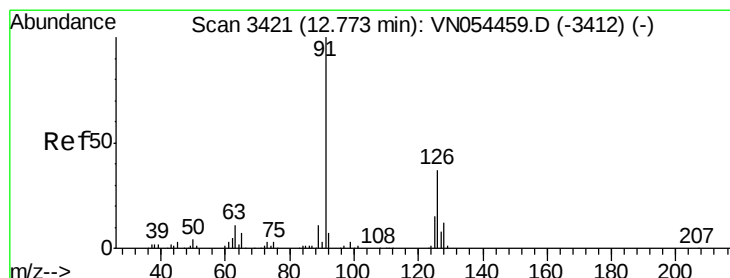
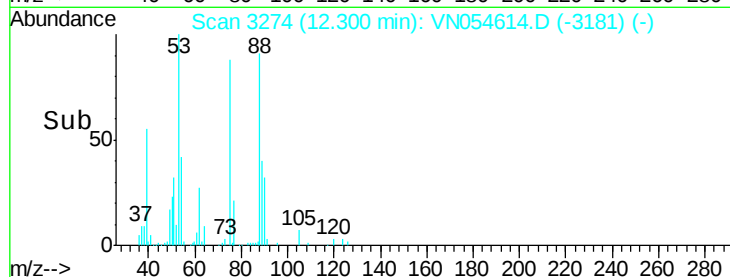
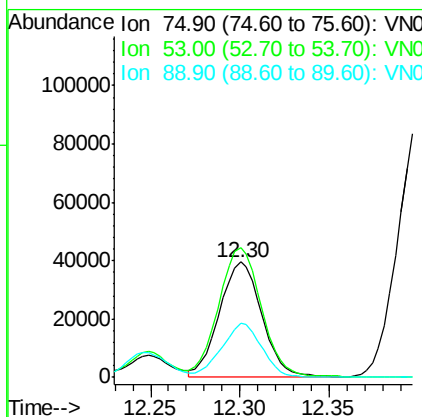
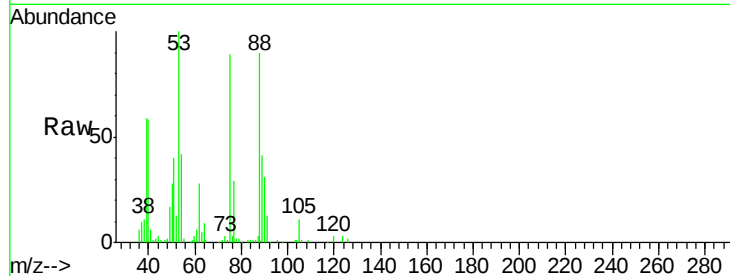
#81
trans-1,4-Dichloro-2-butene
Concen: 49.655 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054614.D
Acq: 23 Mar 2019 19:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	116.6	76.2	114.2#
89	45.0	39.2	58.8

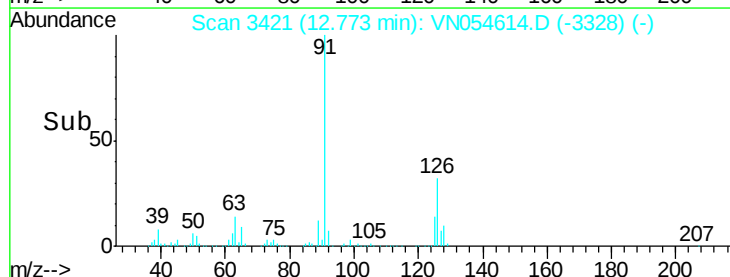
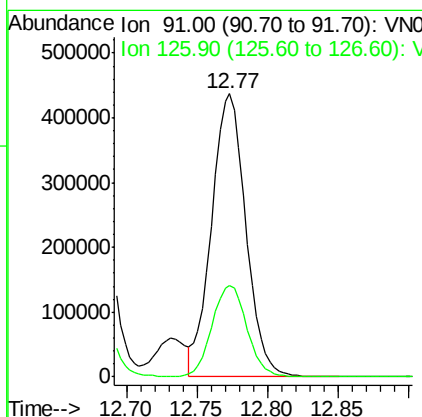
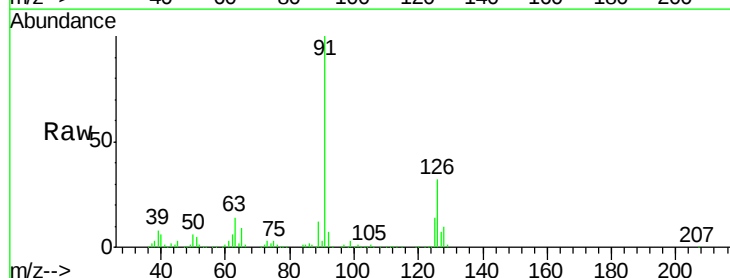
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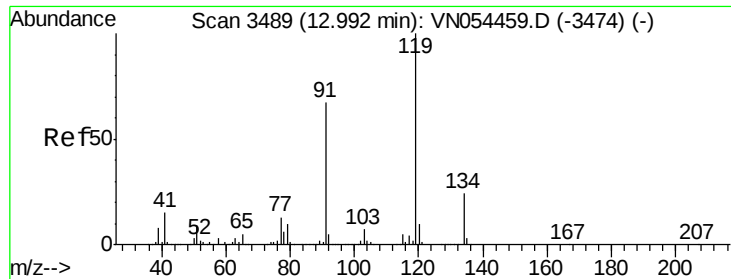
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#82
4-Chlorotoluene
Concen: 49.480 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054614.D
Acq: 23 Mar 2019 19:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.1	18.1	54.1





#83

tert-Butylbenzene

Concen: 47.553 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN054614.D

Acq: 23 Mar 2019 19:39

Instrument :

MSVOA_N

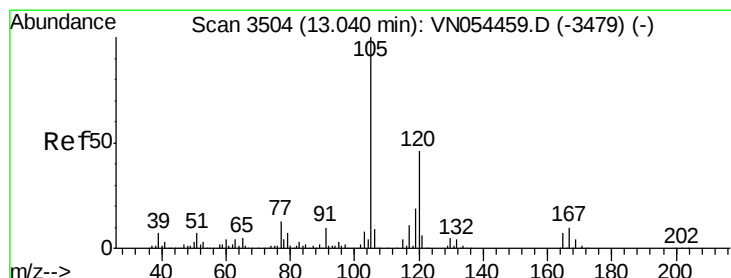
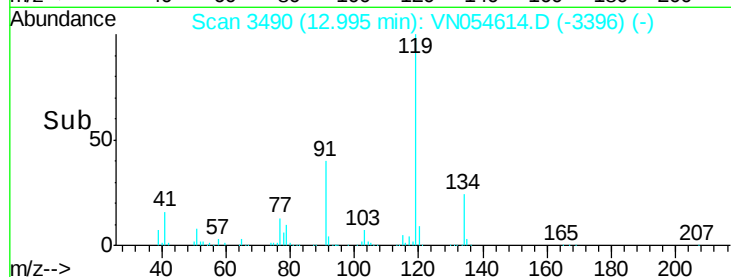
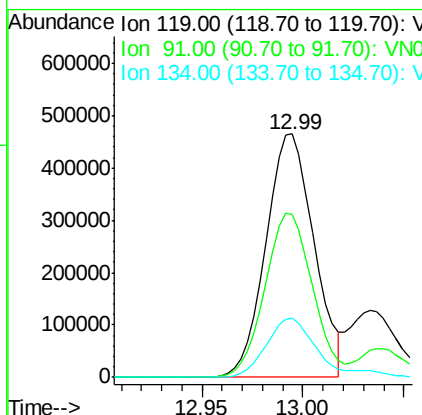
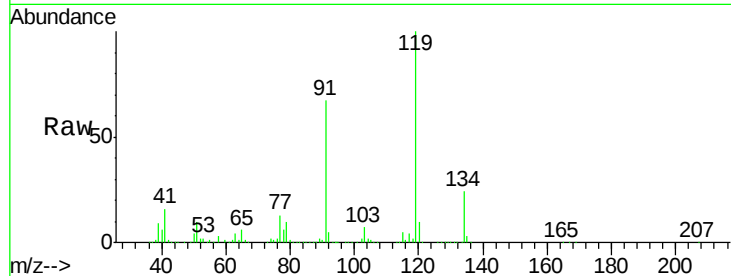
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	770567
Ion Ratio	Lower	Upper	
119	100		
91	66.5	30.9	92.8
134	26.4	13.2	39.6

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#84

1,2,4-Trimethylbenzene

Concen: 47.911 ug/l

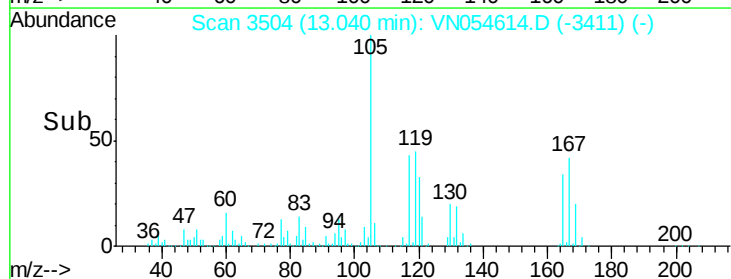
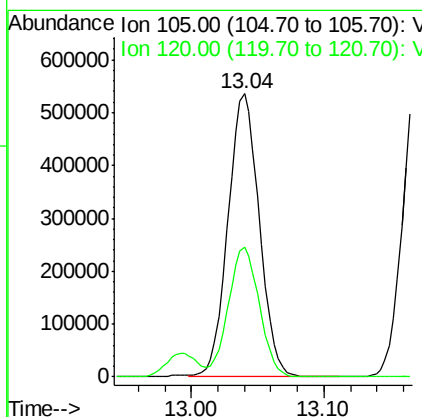
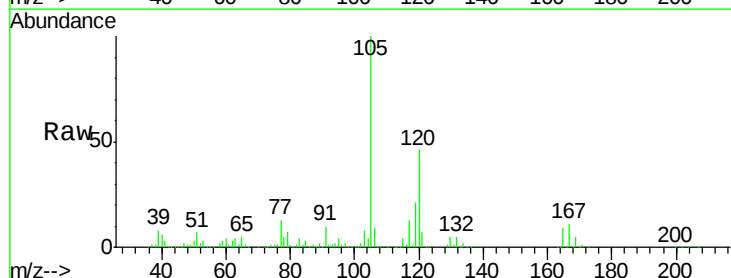
RT: 13.04 min Scan# 3504

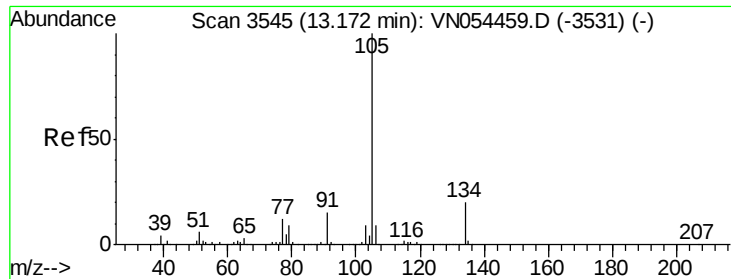
Delta R.T. 0.00 min

Lab File: VN054614.D

Acq: 23 Mar 2019 19:39

Tgt Ion:	105	Resp:	875160
Ion Ratio	Lower	Upper	
105	100		
120	45.7	23.4	70.3





#85

sec-Butylbenzene

Concen: 47.653 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054614.D

Acq: 23 Mar 2019 19:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 962597

Ion Ratio Lower Upper

105 100

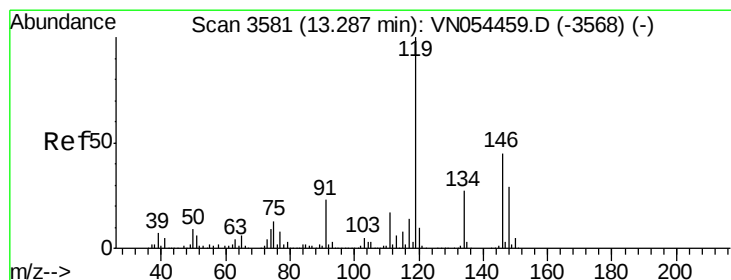
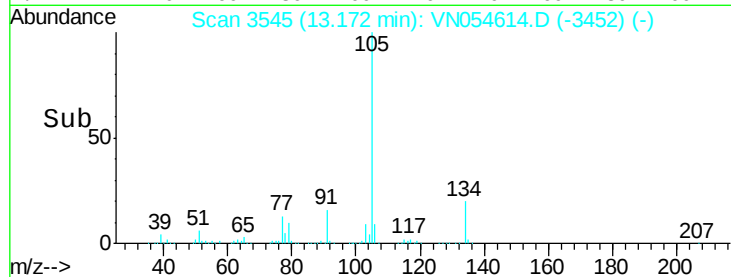
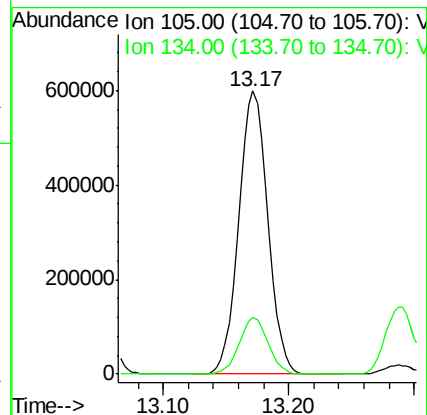
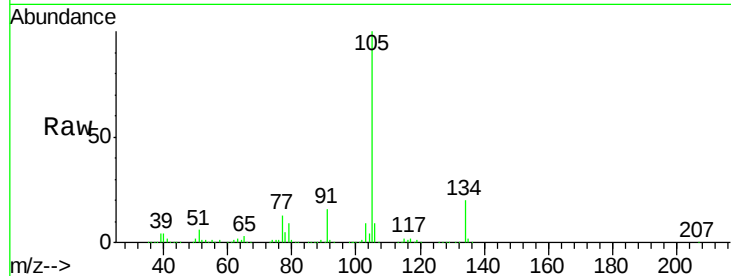
134 19.8 10.7 32.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 47.568 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054614.D

Acq: 23 Mar 2019 19:39

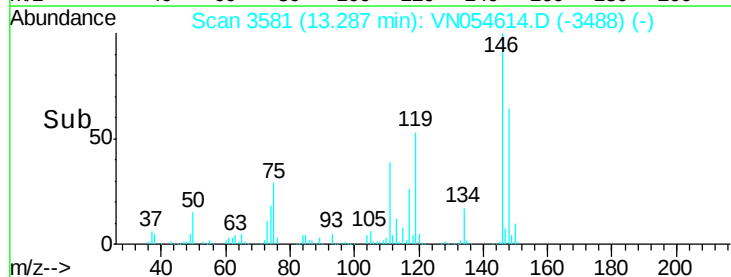
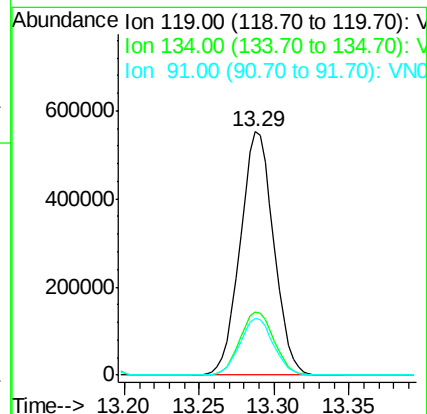
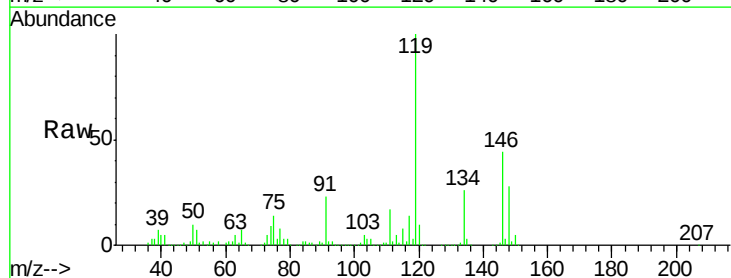
Tgt Ion:119 Resp: 859649

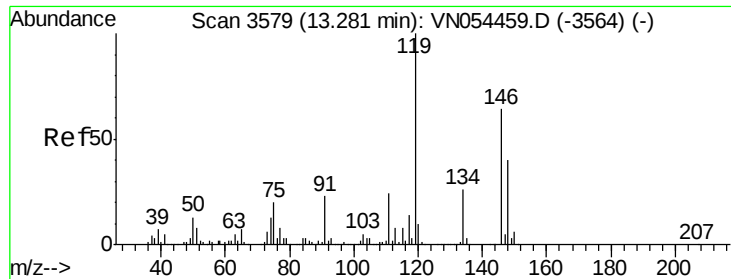
Ion Ratio Lower Upper

119 100

134 26.6 13.6 40.8

91 23.1 11.1 33.3





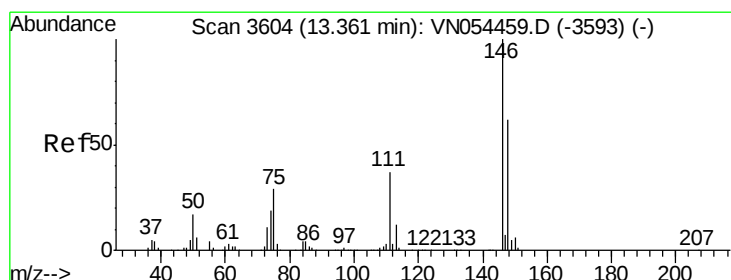
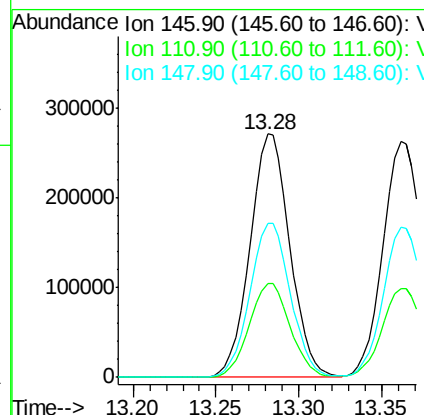
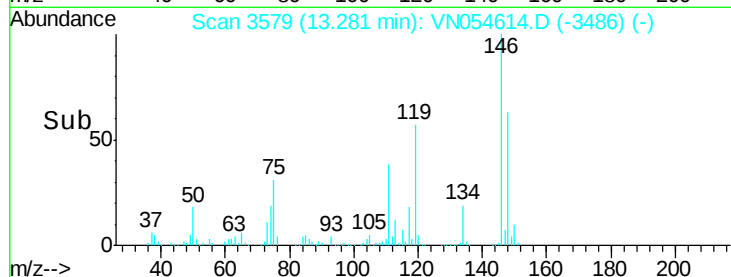
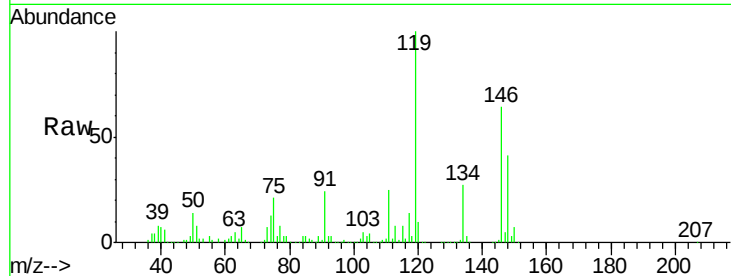
#87
 1,3-Dichlorobenzene
 Concen: 48.373 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054614.D
 Acq: 23 Mar 2019 19:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	18.8	56.3
148	64.4	32.2	96.6

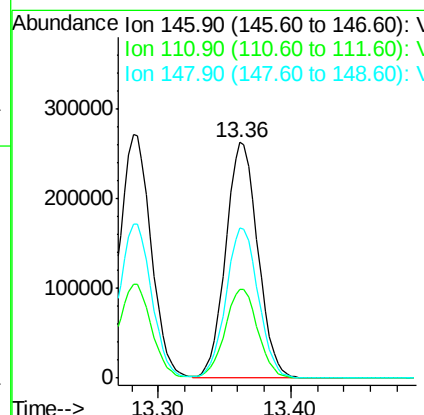
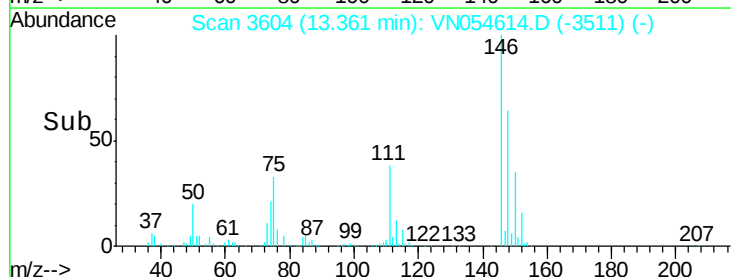
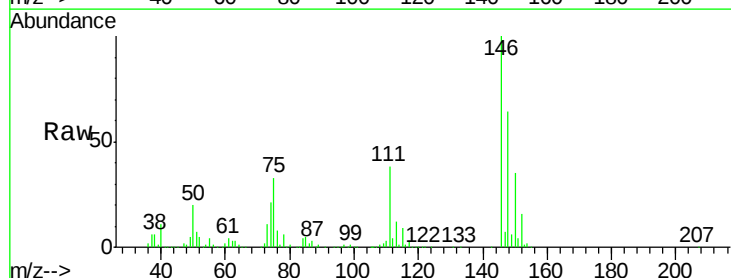
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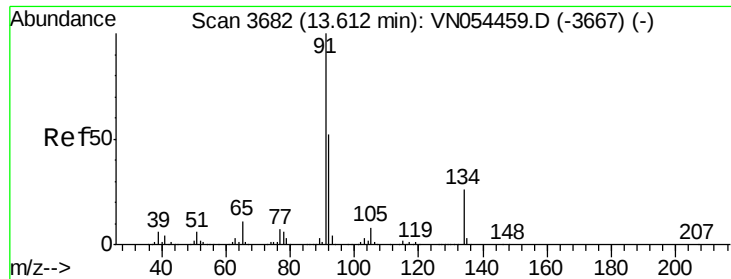
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#88
 1,4-Dichlorobenzene
 Concen: 48.561 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054614.D
 Acq: 23 Mar 2019 19:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.1	54.1
148	64.3	32.0	96.0





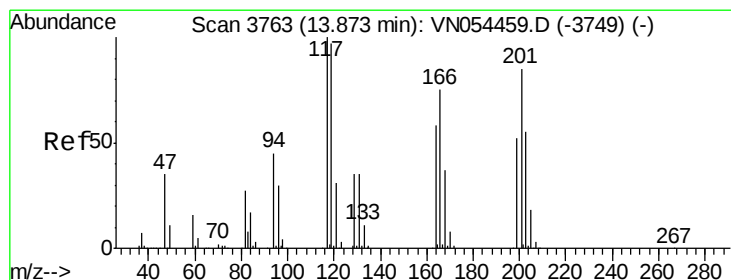
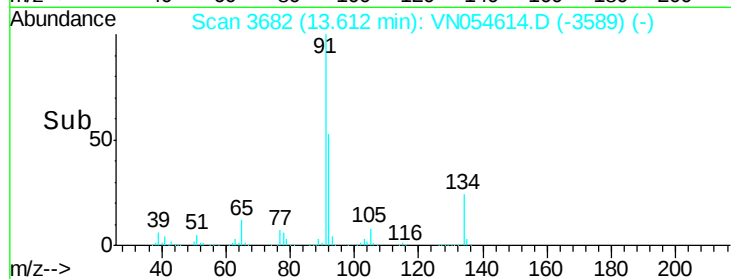
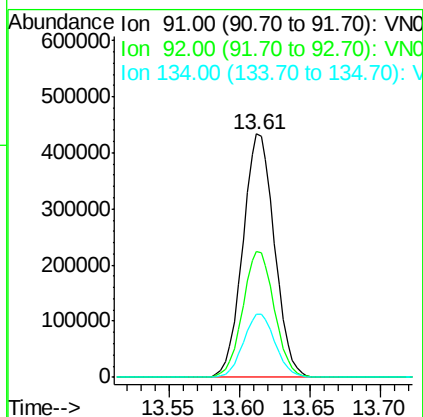
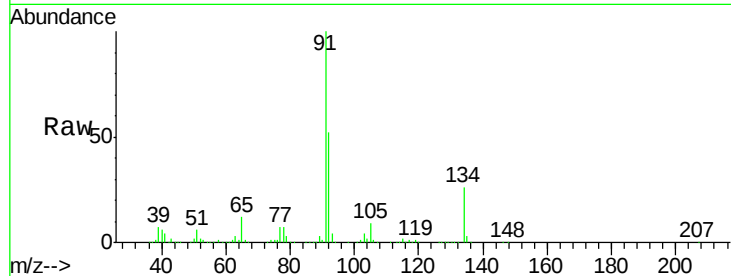
#89
n-Butylbenzene
Concen: 48.329 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054614.D
Acq: 23 Mar 2019 19:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.2	78.6
134	26.1	14.3	42.9

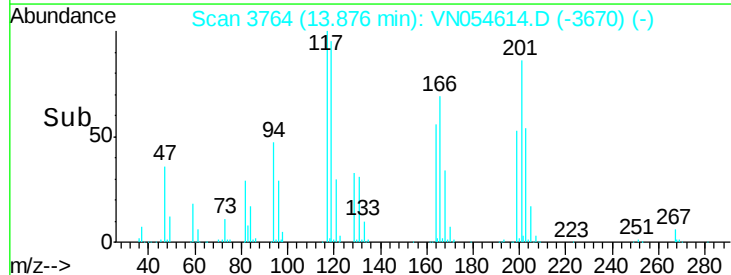
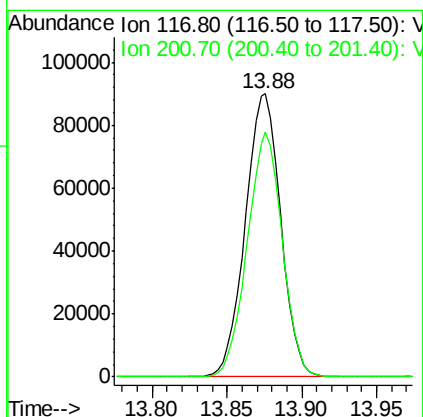
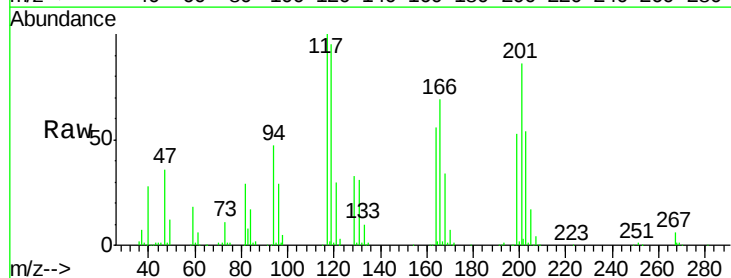
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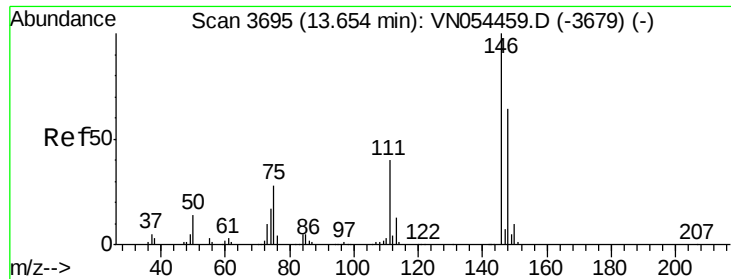
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#90
Hexachloroethane
Concen: 52.903 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054614.D
Acq: 23 Mar 2019 19:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.0	48.1	144.4





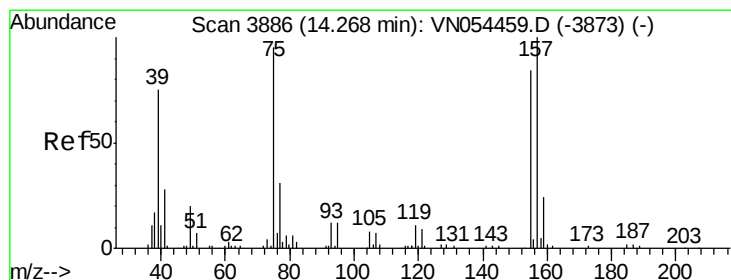
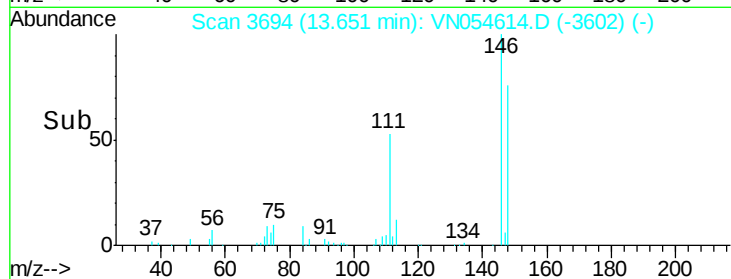
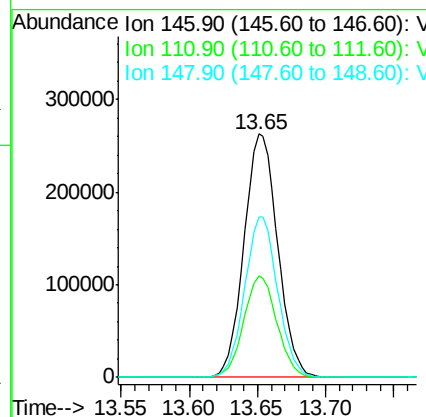
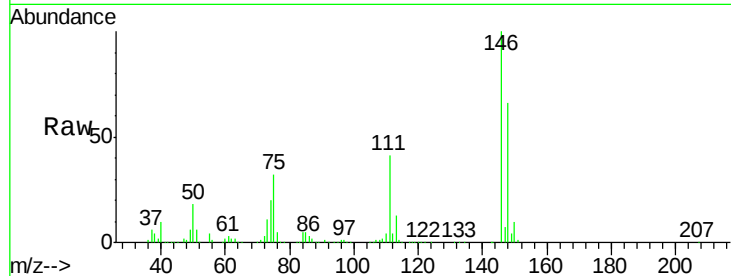
#91
 1,2-Dichlorobenzene
 Concen: 49.755 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN054614.D
 Acq: 23 Mar 2019 19:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	19.1	57.3
148	64.7	32.4	97.0

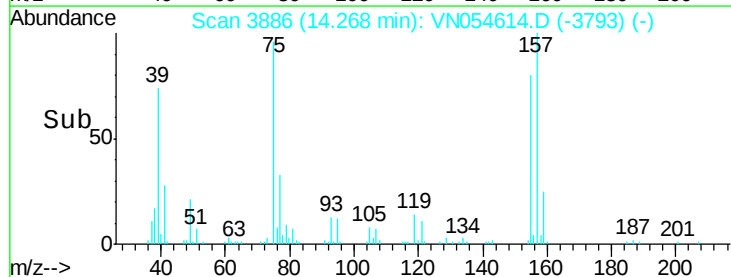
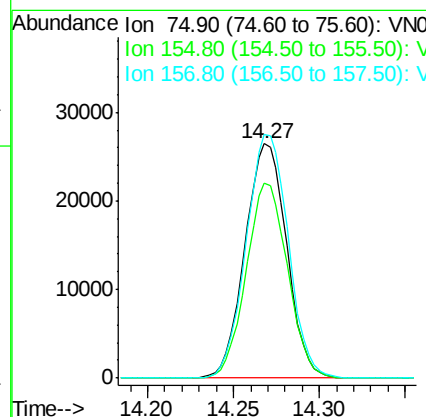
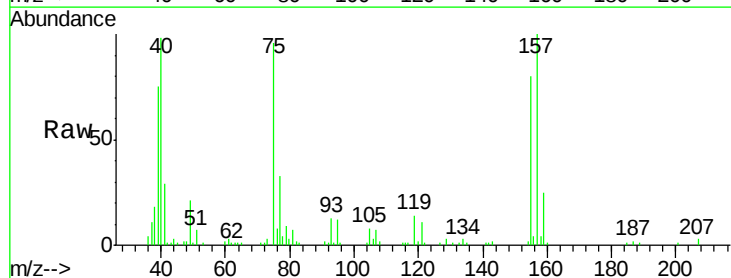
Manual Integrations
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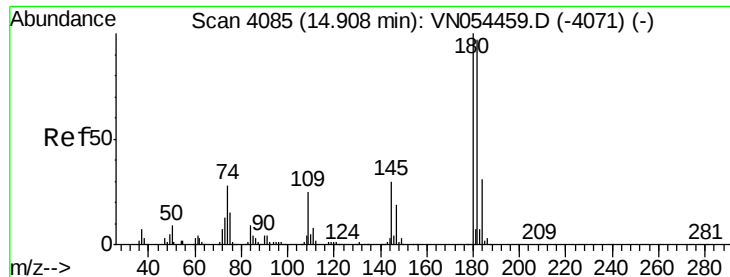
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.557 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054614.D
 Acq: 23 Mar 2019 19:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.2	50.1	150.3
157	104.7	63.1	189.3





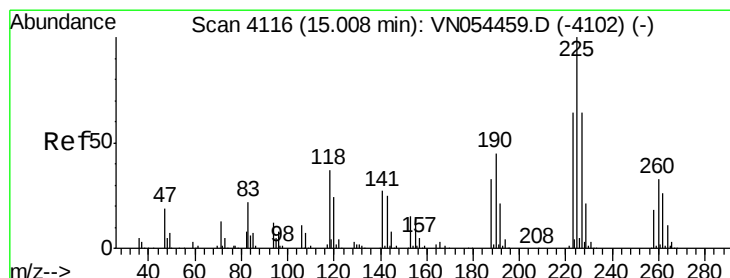
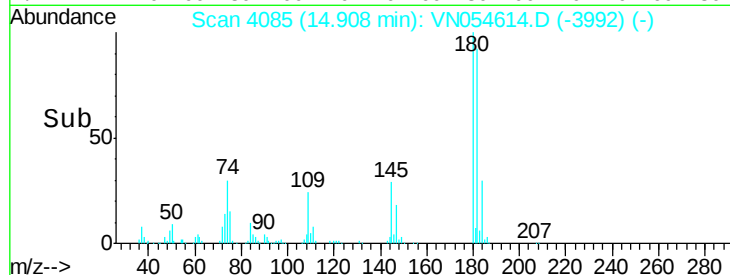
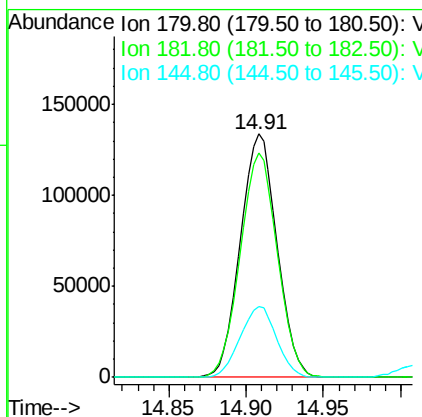
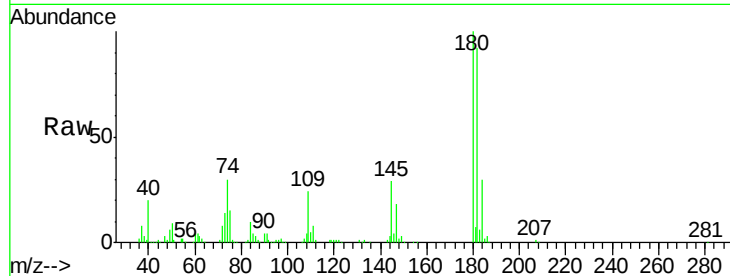
#93
 1,2,4-Trichlorobenzene
 Concen: 48.861 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054614.D
 Acq: 23 Mar 2019 19:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	220245		
182	93.6	48.0	144.2	
145	29.0	14.2	42.8	

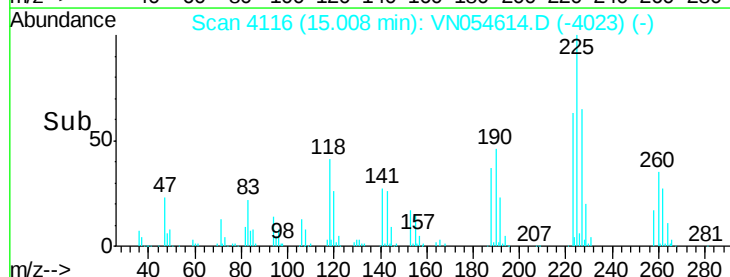
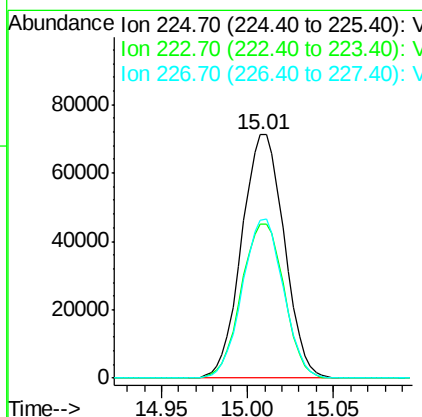
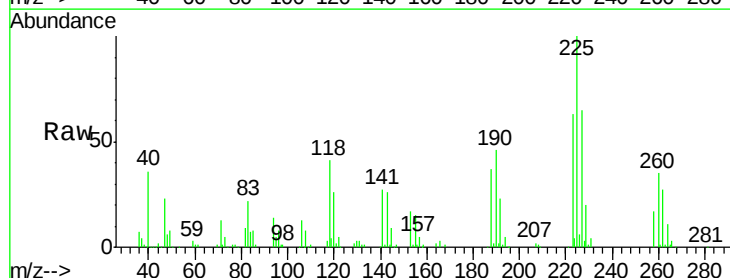
Manual Integrations
 APPROVED

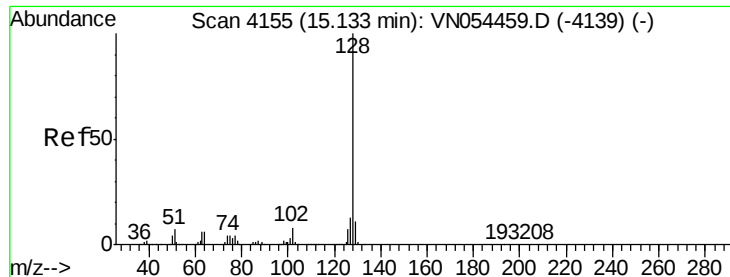
MMDadoda
 3/25/2019 10:24:02 AM



#94
 Hexachlorobutadiene
 Concen: 48.169 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054614.D
 Acq: 23 Mar 2019 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	122222		
223	63.4	31.1	93.5	
227	63.4	31.9	95.9	





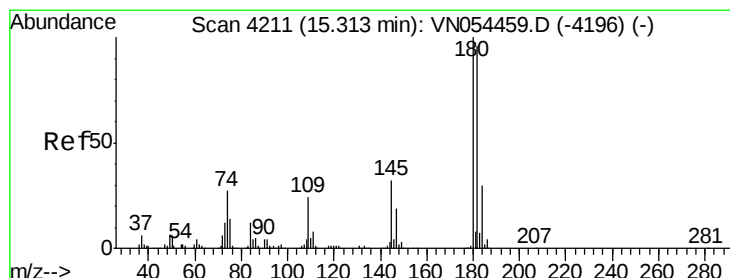
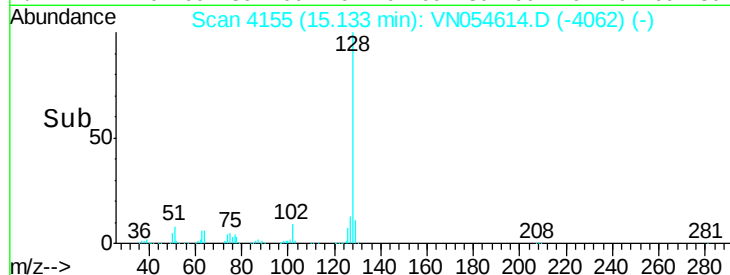
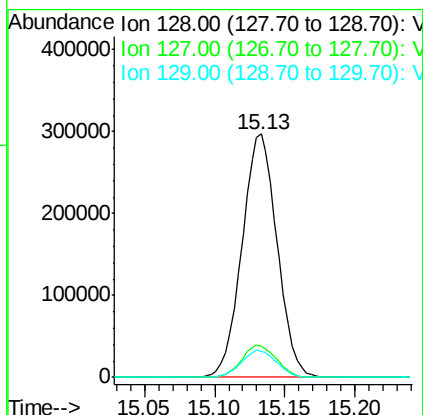
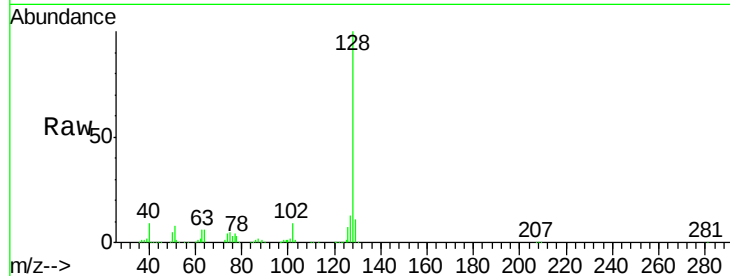
#95
Naphthalene
Concen: 51.366 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN054614.D
Acq: 23 Mar 2019 19:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.1	15.1
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/25/2019 10:24:02 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.576 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN054614.D
Acq: 23 Mar 2019 19:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.5	142.6
145	30.2	14.8	44.3

