

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061419\
 Data File : VD062703.D
 Acq On : 14 Jun 2019 11:23
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/18/2019 1:07:55 AM

Quant Time: Jun 15 04:55:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	759195	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	1030889	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	872165	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	468151	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	510559	46.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.20%	
35) Dibromofluoromethane	6.93	113	552630	50.83	ug/l	0.02
Spiked Amount	50.000		Recovery	=	101.66%	
50) Toluene-d8	10.42	98	1156494	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
62) 4-Bromofluorobenzene	13.56	95	543395	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.58	85	399384	44.991	ug/l	97
3) Chloromethane	1.76	50	352546	46.931	ug/l	97
4) Vinyl Chloride	1.85	62	383711	49.536	ug/l	98
5) Bromomethane	2.16	94	194784	49.816	ug/l	94
6) Chloroethane	2.28	64	205742	53.797	ug/l	93
7) Trichlorofluoromethane	2.53	101	860772	49.647	ug/l	99
8) Diethyl Ether	2.88	74	118083	50.075	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.15	101	487542	52.141	ug/l	92
10) Methyl Iodide	3.31	142	631813	46.824	ug/l	94
11) Tert butyl alcohol	4.09	59	107282	238.240	ug/l #	85
12) 1,1-Dichloroethene	3.13	96	361299	53.843	ug/l	96
13) Acrolein	3.05	56	39848	275.096	ug/l #	82
14) Allyl chloride	3.63	41	561812	54.452	ug/l	93
15) Acrylonitrile	4.21	53	264631	258.608	ug/l	95
16) Acetone	3.23	43	601771	299.977	ug/l	98
17) Carbon Disulfide	3.38	76	1046329	52.914	ug/l	99
18) Methyl Acetate	3.65	43	146389	44.403	ug/l	99
19) Methyl tert-butyl Ether	4.25	73	812305	49.634	ug/l	100
20) Methylene Chloride	3.82	84	376147	49.624	ug/l	96
21) trans-1,2-Dichloroethene	4.23	96	390922	53.110	ug/l	95
22) Diisopropyl ether	5.13	45	1182912	55.216	ug/l	93
23) Vinyl Acetate	5.07	43	3607500	271.429	ug/l	97
24) 1,1-Dichloroethane	4.99	63	711474	51.623	ug/l	99
25) 2-Butanone	6.09	43	535006	273.370	ug/l	99
26) 2,2-Dichloropropane	6.03	77	868810	54.697	ug/l	97
27) cis-1,2-Dichloroethene	6.05	96	434894	54.502	ug/l	99
28) Bromochloromethane	6.45	49	291136	55.261	ug/l	98
29) Tetrahydrofuran	6.47	42	225989	256.417	ug/l	98
30) Chloroform	6.67	83	921430	52.109	ug/l	95
31) Cyclohexane	6.96	56	475417	54.991	ug/l	99
32) 1,1,1-Trichloroethane	6.87	97	1005561	57.150	ug/l	98
36) 1,1-Dichloropropene	7.16	75	602385	51.056	ug/l	99
37) Ethyl Acetate	6.20	43	245090	48.750	ug/l #	94
38) Carbon Tetrachloride	7.12	117	966611m	51.833	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	540146	56.653	ug/l	93
40) Benzene	7.47	78	1188948	51.601	ug/l	99
41) Methacrylonitrile	6.46	41	324933	52.610	ug/l	95
42) 1,2-Dichloroethane	7.58	62	704986	51.333	ug/l	97
43) Isopropyl Acetate	9.25	43	330493	53.088	ug/l	94
44) Trichloroethene	8.55	130	463743	49.576	ug/l	97
45) 1,2-Dichloropropane	8.95	63	303770	54.887	ug/l	96
46) Dibromomethane	9.07	93	258313	52.581	ug/l	95
47) Bromodichloromethane	9.39	83	707163	52.916	ug/l	93
48) Methyl methacrylate	9.13	41	230065	51.154	ug/l	94
49) 1,4-Dioxane	9.10	88	39237	976.758	ug/l #	82
51) 4-Methyl-2-Pentanone	10.31	43	1123158	257.839	ug/l	98
52) Toluene	10.52	92	830027	53.592	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	600214	54.780	ug/l	100
54) cis-1,3-Dichloropropene	10.04	75	642623	56.747	ug/l	96
55) 1,1,2-Trichloroethane	11.20	97	275935	51.951	ug/l	97
56) Ethyl methacrylate	11.05	69	289445	45.604	ug/l	94
57) 1,3-Dichloropropane	11.41	76	428641	52.068	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	669952	235.994	ug/l	97
59) 2-Hexanone	11.54	43	849285	262.102	ug/l	99
60) Dibromochloromethane	11.70	129	575170	54.857	ug/l	94
61) 1,2-Dibromoethane	11.82	107	335389	52.759	ug/l	95
64) Tetrachloroethene	11.27	164	423570	51.880	ug/l	98
65) Chlorobenzene	12.41	112	1041410	53.982	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.53	131	483415	52.540	ug/l	97
67) Ethyl Benzene	12.53	91	1902618	55.624	ug/l	100
68) m/p-Xylenes	12.67	106	1272914	105.856	ug/l	98
69) o-Xylene	13.06	106	562500	50.934	ug/l	91
70) Styrene	13.08	104	1044531	53.008	ug/l	98
71) Bromoform	13.24	173	352567	49.953	ug/l	97
73) Isopropylbenzene	13.41	105	1859616	56.356	ug/l	98
74) N-amyl acetate	13.27	43	499586	56.021	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.71	83	325804	57.704	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	373760	58.881	ug/l	99
77) Bromobenzene	13.68	156	541466	57.411	ug/l	96
78) n-propylbenzene	13.78	91	2260612	55.968	ug/l	100
79) 2-Chlorotoluene	13.84	91	1281115	54.170	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	1627930	55.822	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	95901	50.871	ug/l	91
82) 4-Chlorotoluene	13.95	91	1521970	53.813	ug/l	99
83) tert-Butylbenzene	14.20	119	1896201	58.952	ug/l	100
84) 1,2,4-Trimethylbenzene	14.25	105	1682545	58.271	ug/l	96
85) sec-Butylbenzene	14.38	105	1872892	55.528	ug/l	98
86) p-Isopropyltoluene	14.49	119	1765707	53.768	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	869530	50.892	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	887019	54.934	ug/l	98
89) n-Butylbenzene	14.80	91	1695064	57.376	ug/l	99
90) Hexachloroethane	15.02	117	504087	58.145	ug/l	96
91) 1,2-Dichlorobenzene	14.82	146	790783	55.679	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	60840	50.447	ug/l #	33

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VSTDCCC050

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QLast Update : Sat Jun 08 00:02:21 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	592586	49.243	ug/l	94
94) Hexachlorobutadiene	16.04	225	463906	55.323	ug/l	95
95) Naphthalene	16.13	128	850245	50.050	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	475122	58.079	ug/l	99

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

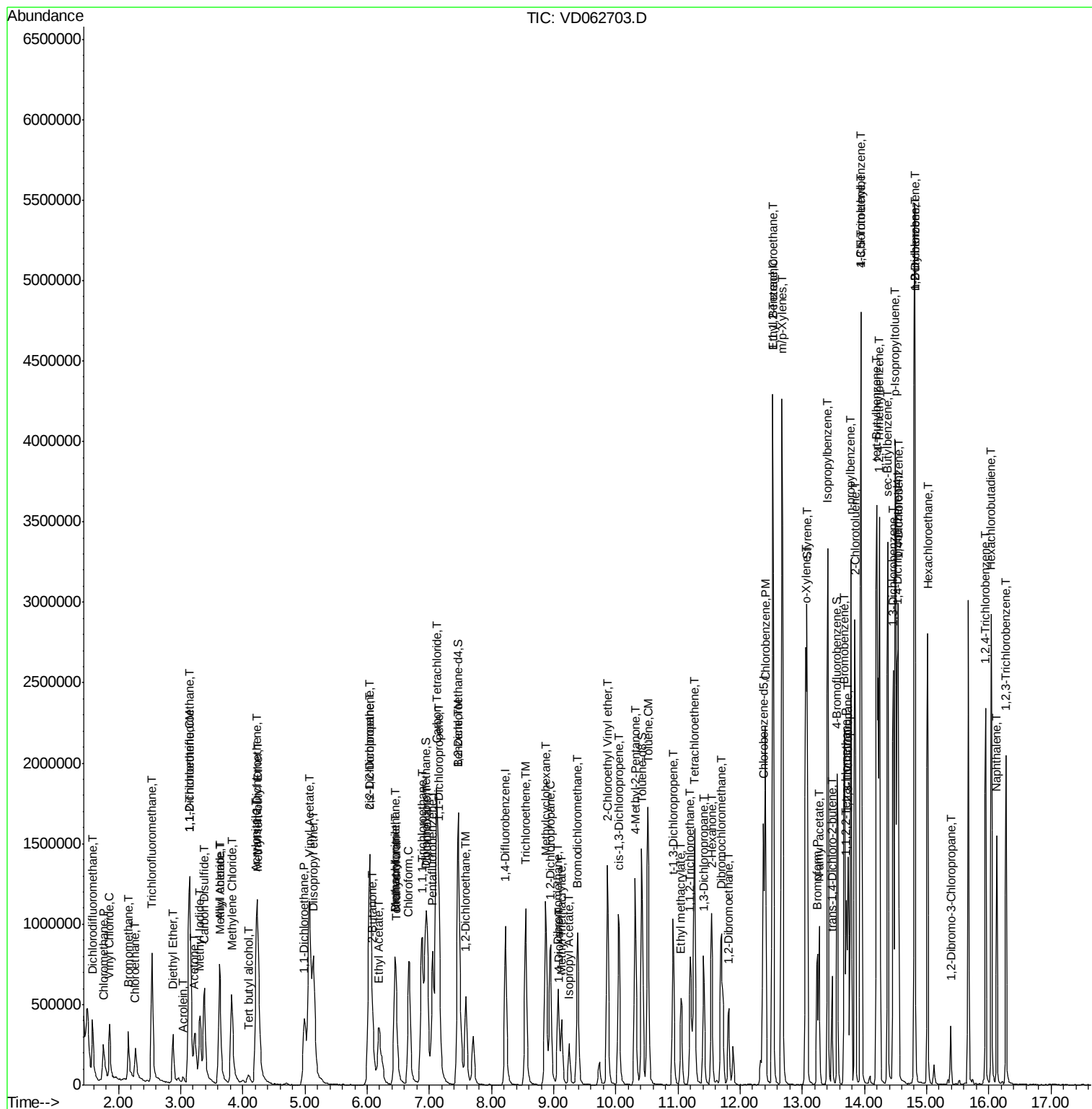
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061419\
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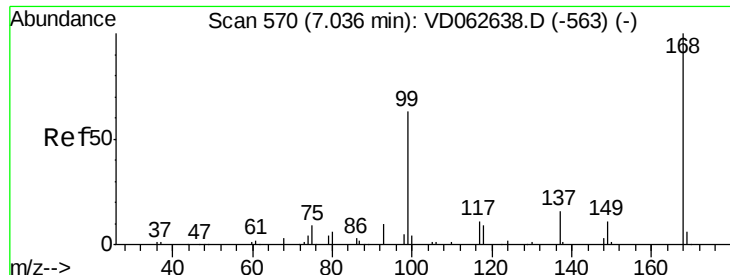
Instrument :
 MSVOA_D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD062703.D

Acq: 14 Jun 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 759195

Ion Ratio Lower Upper

168 100

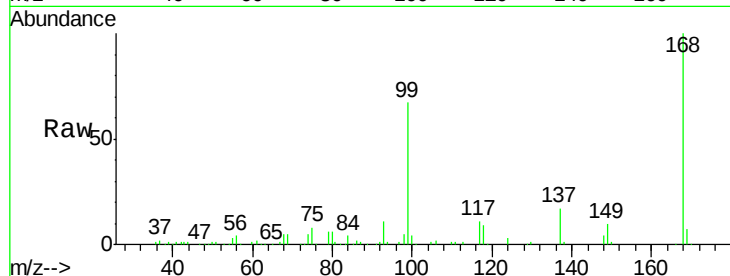
99 67.5 51.4 77.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

150000

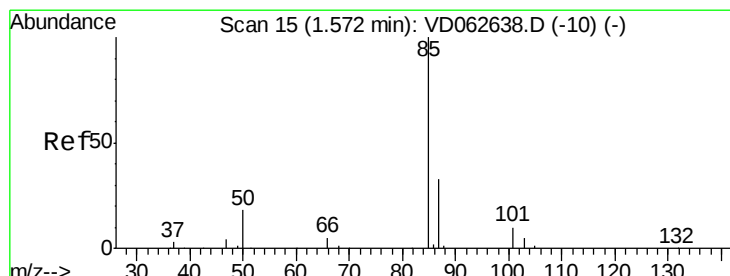
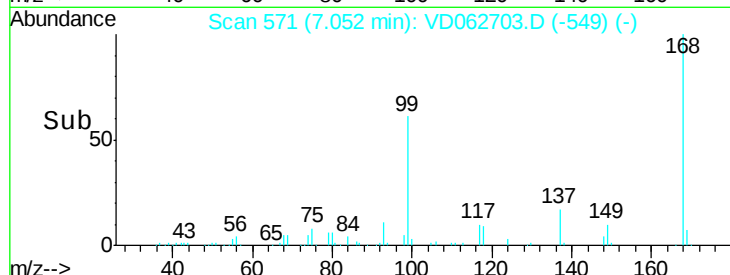
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 44.991 ug/l

RT: 1.58 min Scan# 15

Delta R.T. 0.01 min

Lab File: VD062703.D

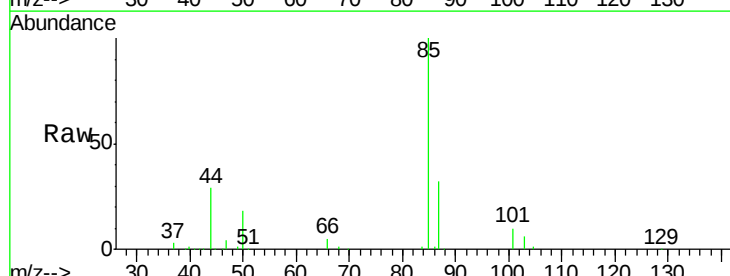
Acq: 14 Jun 2019 11:23

Tgt Ion: 85 Resp: 399384

Ion Ratio Lower Upper

85 100

87 31.6 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

200000

150000

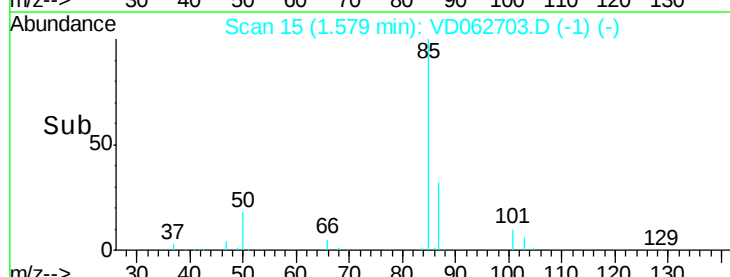
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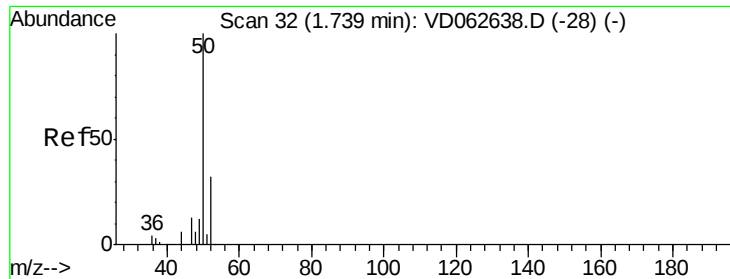
50000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 46.931 ug/l

RT: 1.76 min Scan# 33

Delta R.T. 0.02 min

Lab File: VD062703.D

Acq: 14 Jun 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 352546

Ion Ratio Lower Upper

50 100

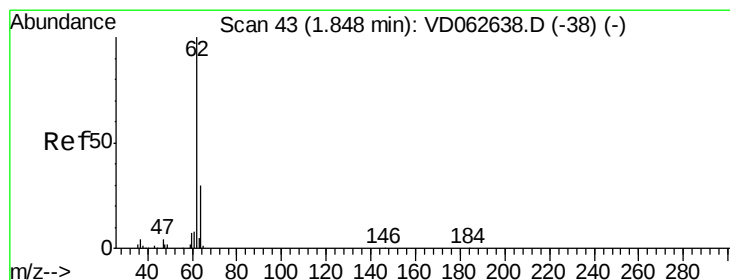
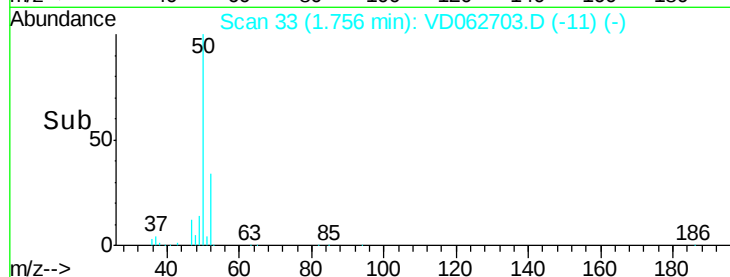
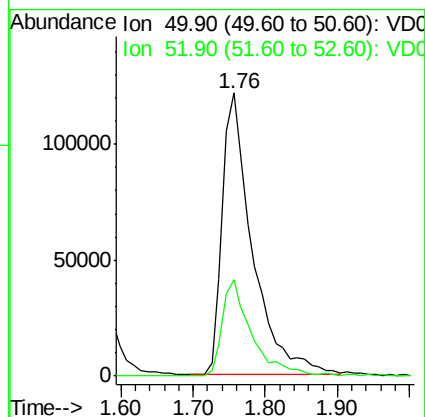
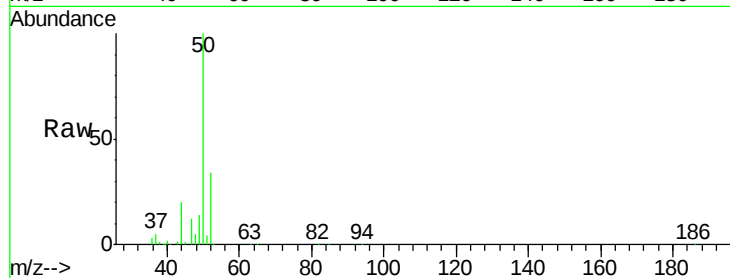
52 34.0 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.536 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062703.D

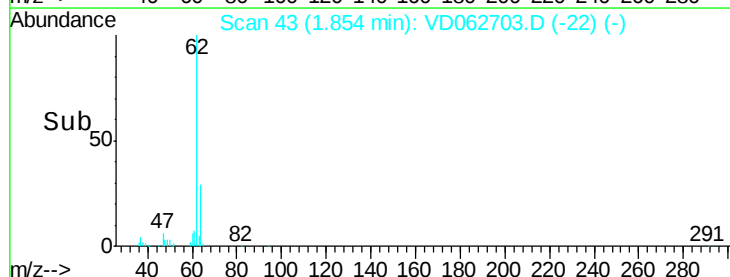
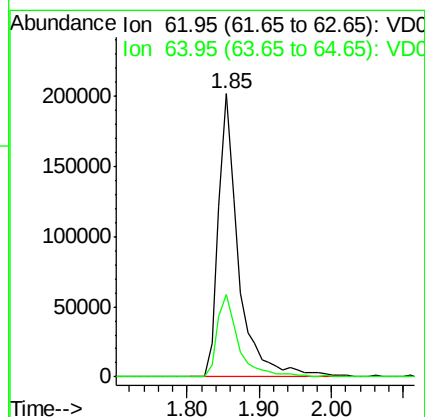
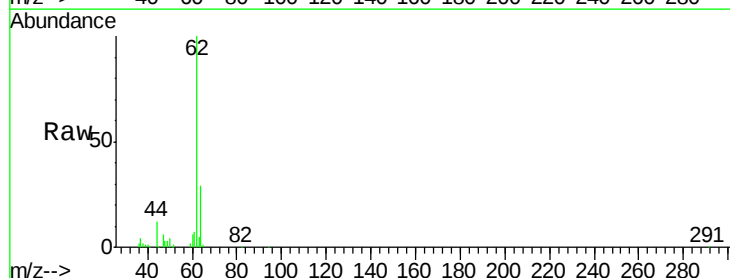
Acq: 14 Jun 2019 11:23

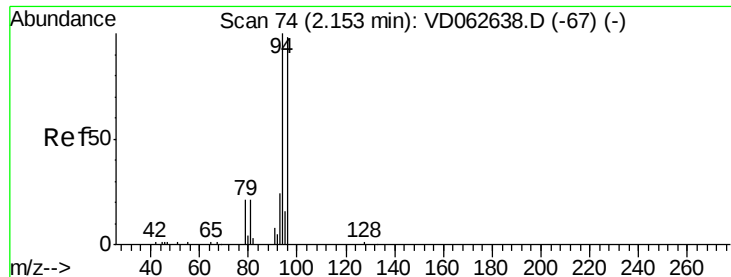
Tgt Ion: 62 Resp: 383711

Ion Ratio Lower Upper

62 100

64 29.3 24.2 36.4





#5

Bromomethane

Concen: 49.816 ug/l

RT: 2.16 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD062703.D

Acq: 14 Jun 2019 11:23

Instrument :

MSVOA_D

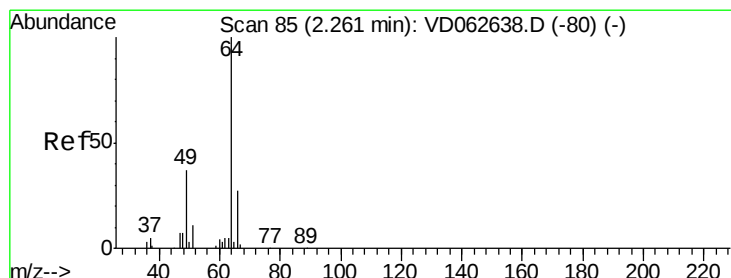
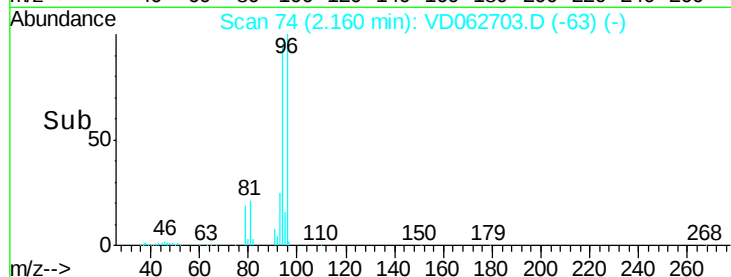
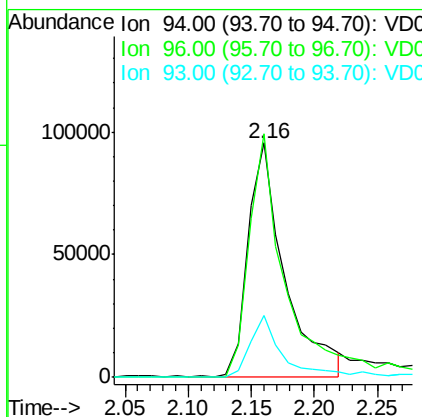
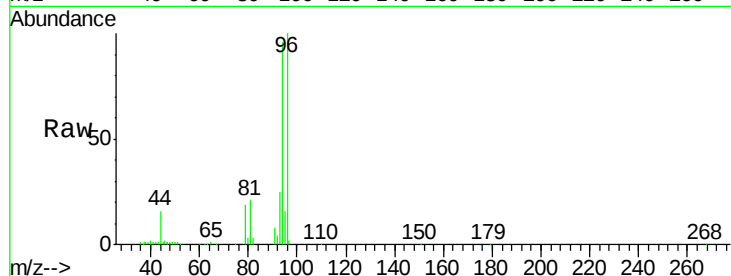
ClientSampleId :

VSTDCCC050

Tot Ion:	94	Resp:	194784
Ion	Ratio	Lower	Upper
94	100		
96	104.0	78.1	117.1
93	26.3	19.6	29.4

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#6

Chloroethane

Concen: 53.797 ug/l

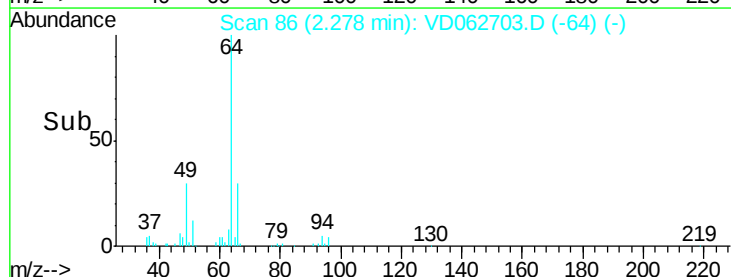
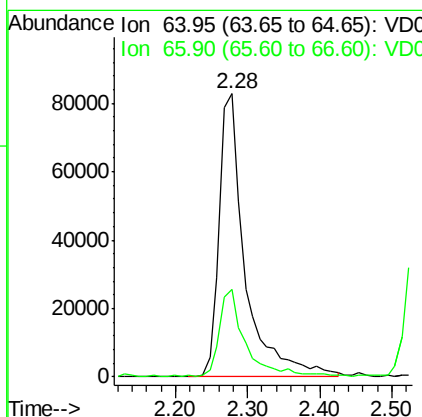
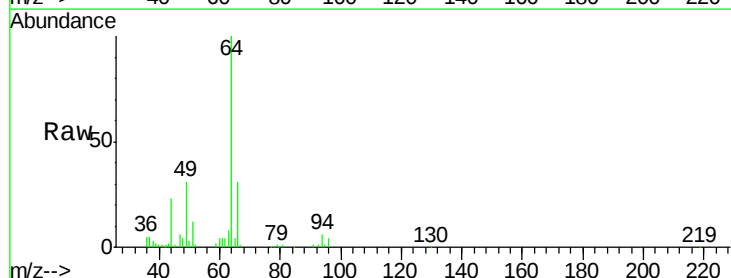
RT: 2.28 min Scan# 86

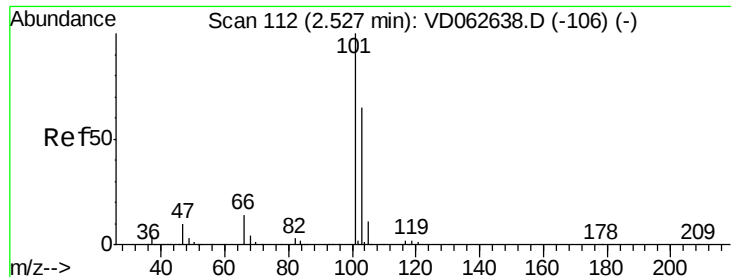
Delta R.T. 0.02 min

Lab File: VD062703.D

Acq: 14 Jun 2019 11:23

Tgt Ion:	64	Resp:	205742
Ion	Ratio	Lower	Upper
64	100		
66	31.1	21.9	32.9





#7

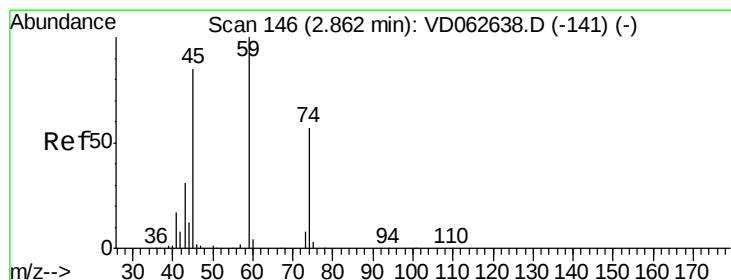
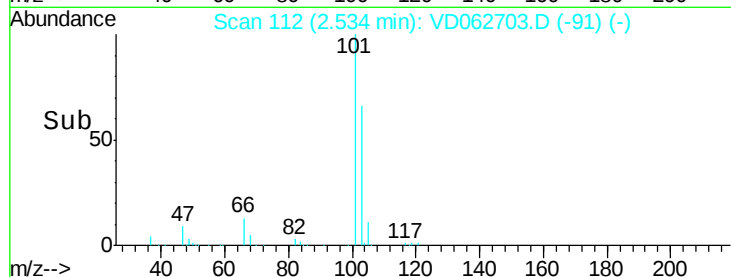
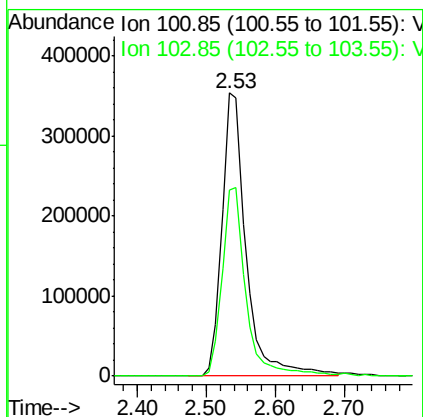
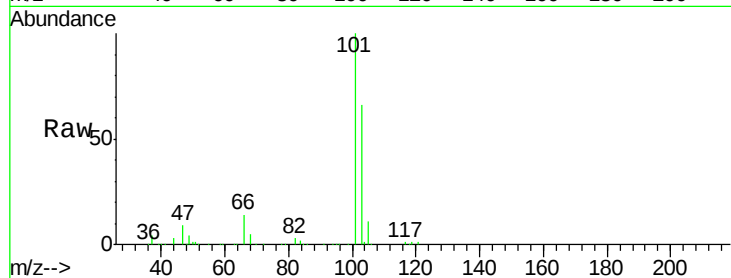
Trichlorofluoromethane
Concen: 49.647 ug/l
RT: 2.53 min Scan# 112
Delta R.T. 0.01 min
Lab File: VD062703.D
Acq: 14 Jun 2019 11:23

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	52.2	78.2

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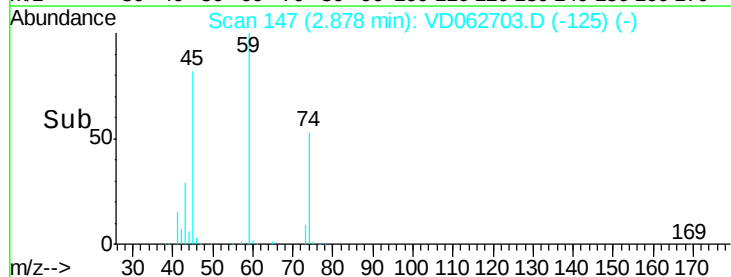
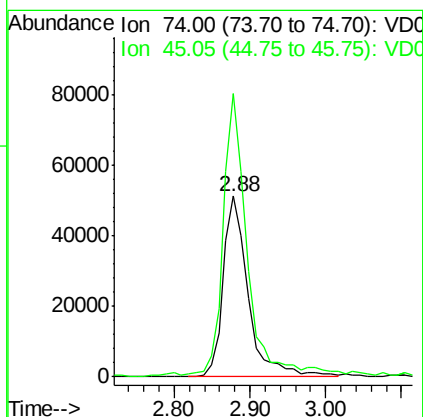
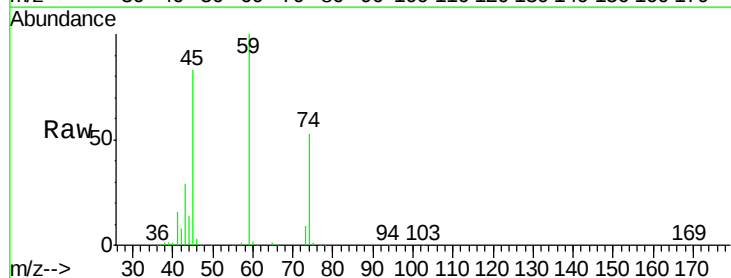
MMDadoda
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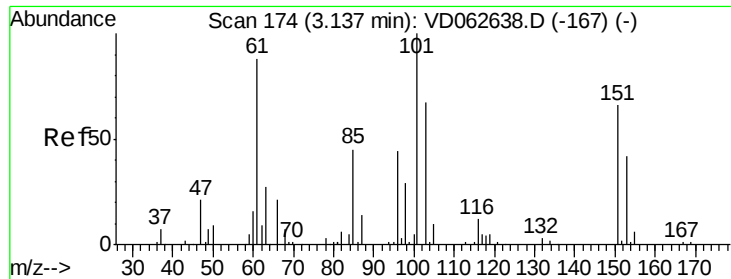


#8

Diethyl Ether
Concen: 50.075 ug/l
RT: 2.88 min Scan# 147
Delta R.T. 0.02 min
Lab File: VD062703.D
Acq: 14 Jun 2019 11:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	156.8	74.9	224.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.141 ug/l

RT: 3.15 min Scan# 175

Delta R.T. 0.02 min

Lab File: VD062703.D

Acq: 14 Jun 2019 11:23

Instrument :

MSVOA_D

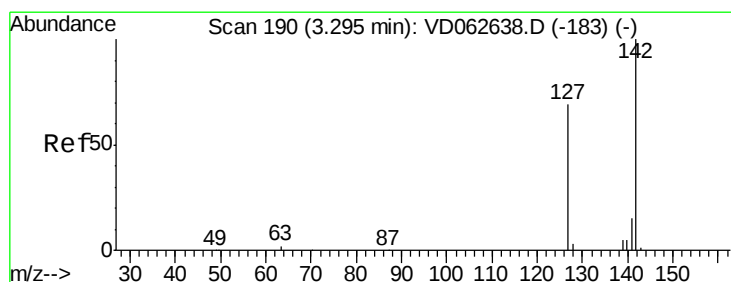
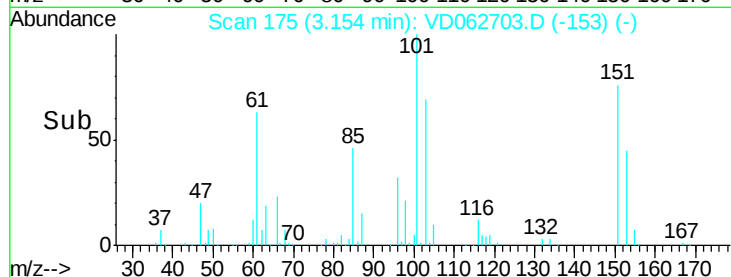
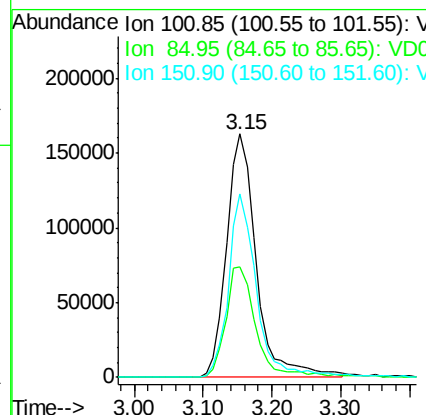
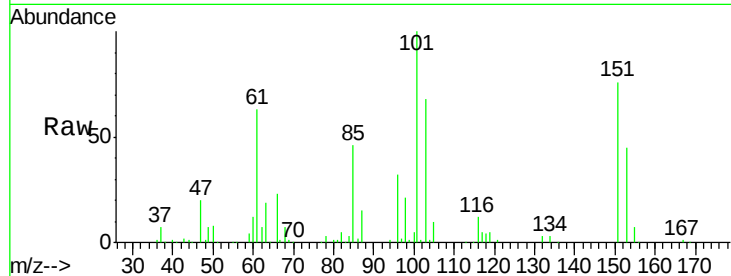
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	487542
Ion Ratio	Lower	Upper	
101	100		
85	45.5	36.0	54.0
151	75.5	52.6	79.0

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#10

Methyl Iodide

Concen: 46.824 ug/l

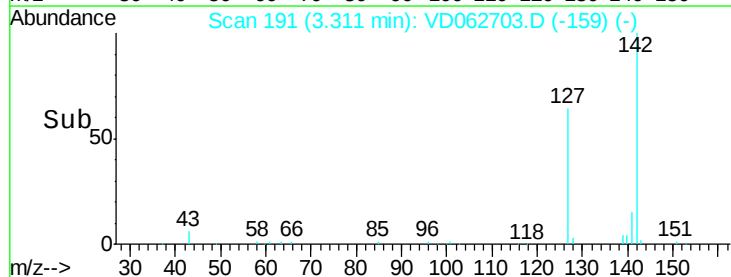
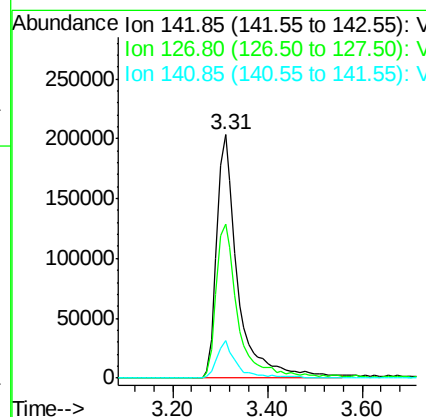
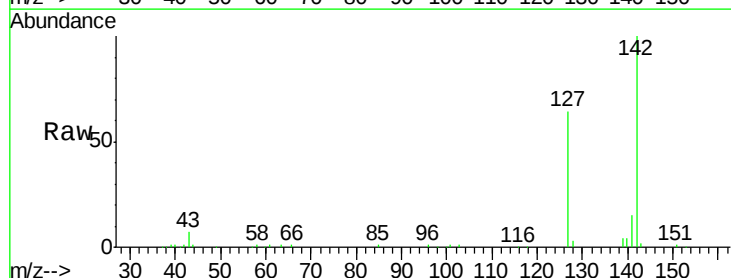
RT: 3.31 min Scan# 191

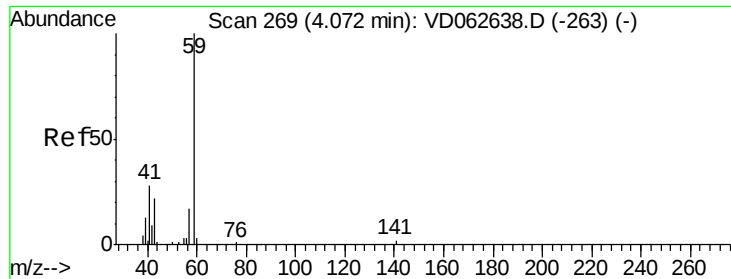
Delta R.T. 0.02 min

Lab File: VD062703.D

Acq: 14 Jun 2019 11:23

Tgt Ion:	142	Resp:	631813
Ion Ratio	Lower	Upper	
142	100		
127	63.5	55.2	82.8
141	15.5	12.1	18.1





#11

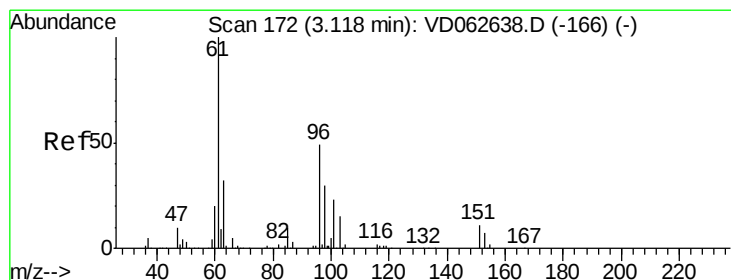
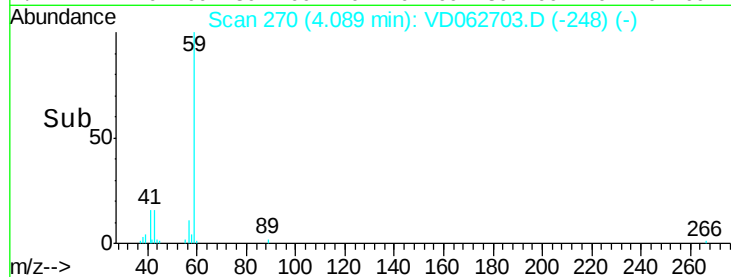
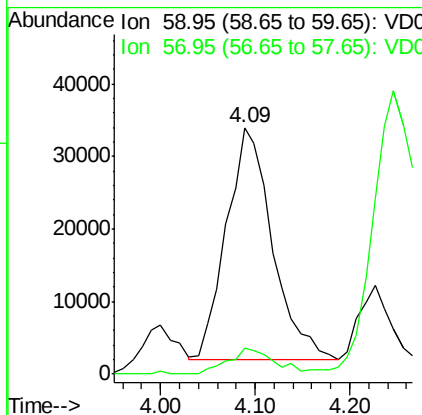
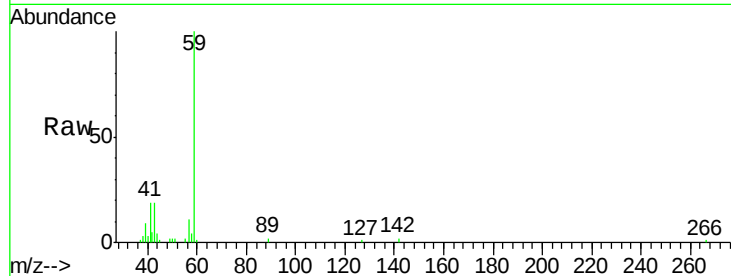
Tert butyl alcohol
 Concen: 238.240 ug/l
 RT: 4.09 min Scan# 270
 Delta R.T. 0.02 min
 Lab File: VD062703.D
 Acq: 14 Jun 2019 11:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 59 Resp: 107282
 Ion Ratio Lower Upper
 59 100
 57 10.8 13.7 20.5#

Manual Integrations
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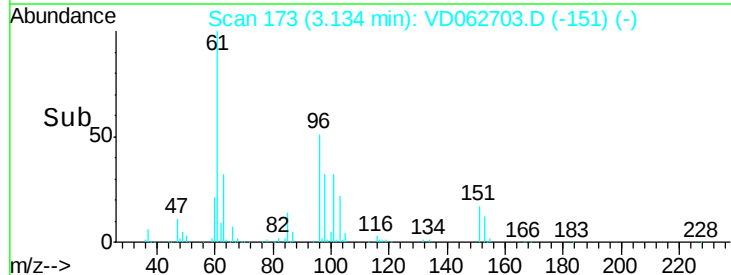
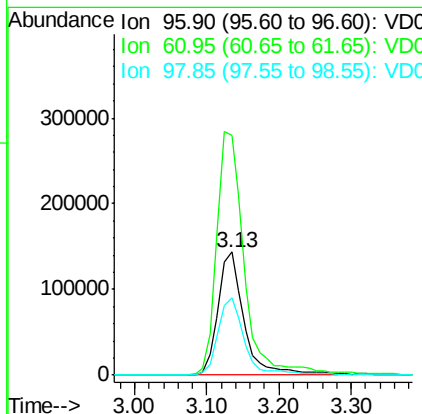
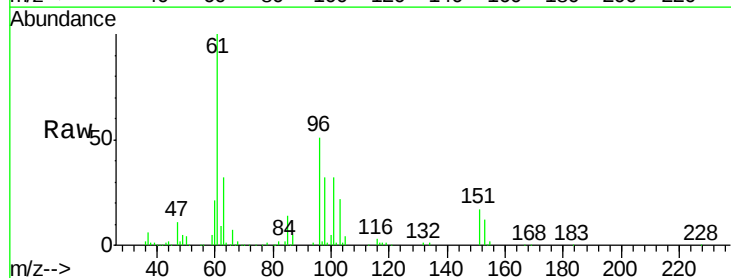
MMDadoda
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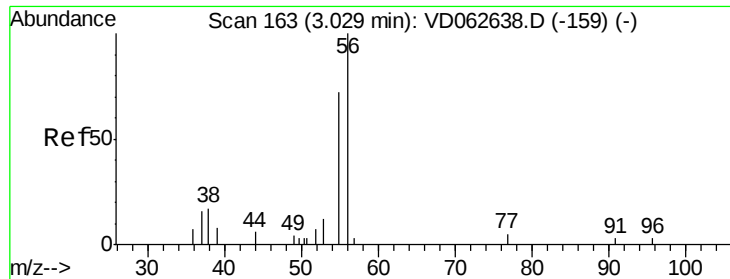


#12

1,1-Dichloroethene
 Concen: 53.843 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. 0.02 min
 Lab File: VD062703.D
 Acq: 14 Jun 2019 11:23

Tgt Ion: 96 Resp: 361299
 Ion Ratio Lower Upper
 96 100
 61 194.9 161.8 242.8
 98 62.8 48.2 72.4





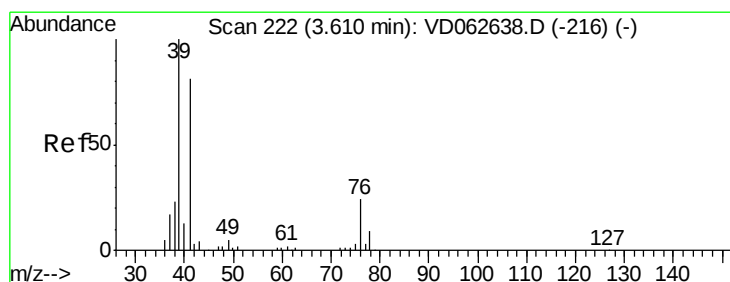
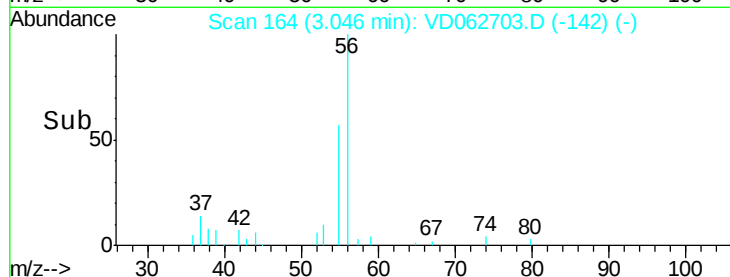
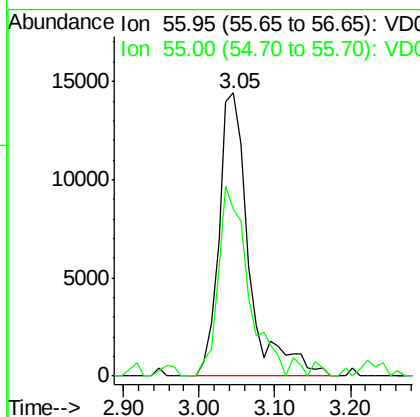
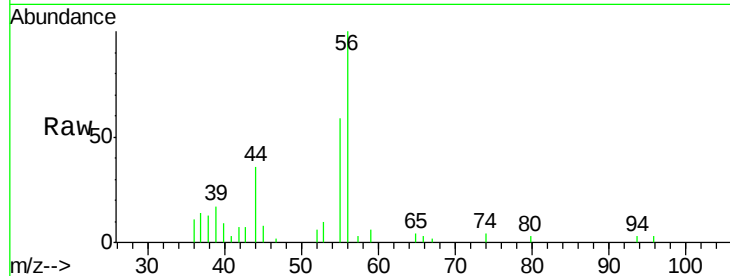
#13
Acrolein
Concen: 275.096 ug/l
RT: 3.05 min Scan# 164
Delta R.T. 0.02 min
Lab File: VD062703.D
Acq: 14 Jun 2019 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 39848
Ion Ratio Lower Upper
56 100
55 58.8 59.4 89.0#

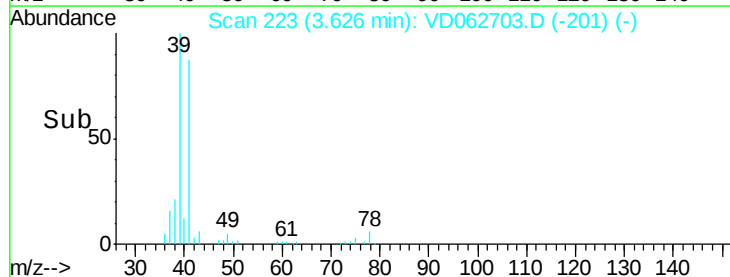
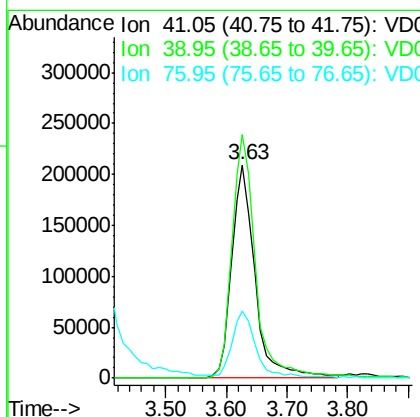
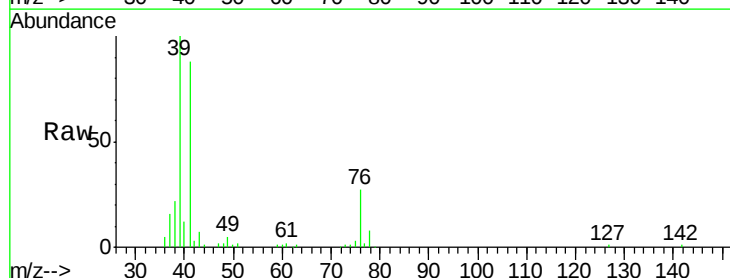
Manual Integrations
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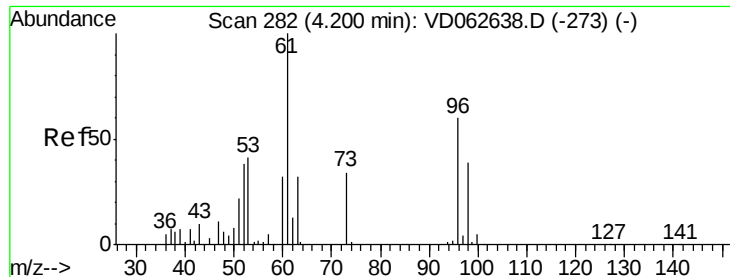
MMDadoda
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#14
Allyl chloride
Concen: 54.452 ug/l
RT: 3.63 min Scan# 223
Delta R.T. 0.02 min
Lab File: VD062703.D
Acq: 14 Jun 2019 11:23

Tgt Ion: 41 Resp: 561812
Ion Ratio Lower Upper
41 100
39 114.3 99.1 148.7
76 31.2 25.0 37.6





#15

Acrylonitrile

Concen: 258.608 ug/l

RT: 4.21 min Scan# 282

Delta R.T. 0.01 min

Lab File: VD062703.D

Acq: 14 Jun 2019 11:23

Instrument :

MSVOA_D

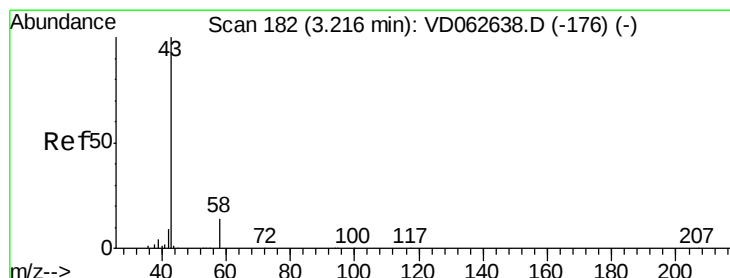
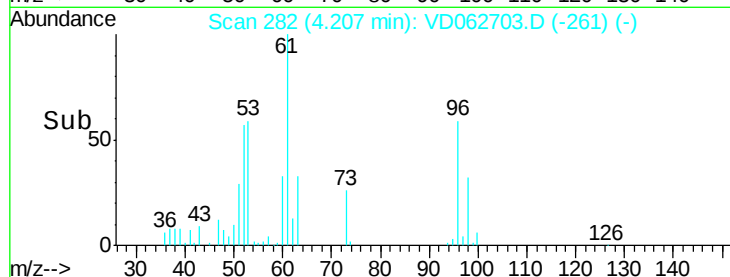
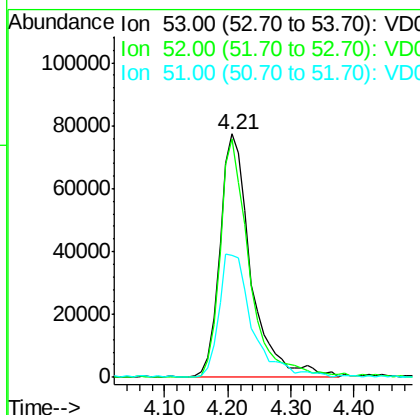
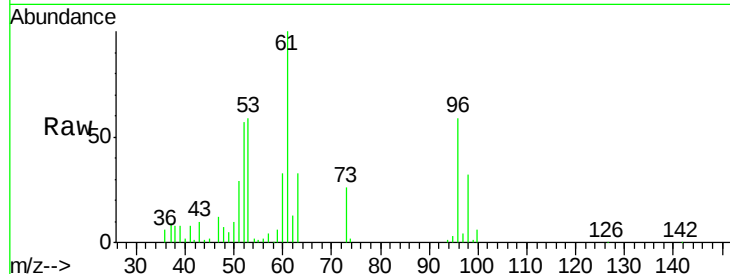
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	264631
Ion	Ratio	Lower	Upper
53	100		
52	97.8	73.6	110.4
51	50.0	42.0	63.0

Manual Integrations
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6/18/2019 1:07:55 AM



#16

Acetone

Concen: 299.977 ug/l

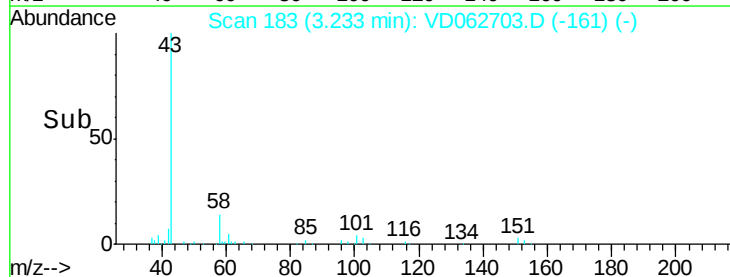
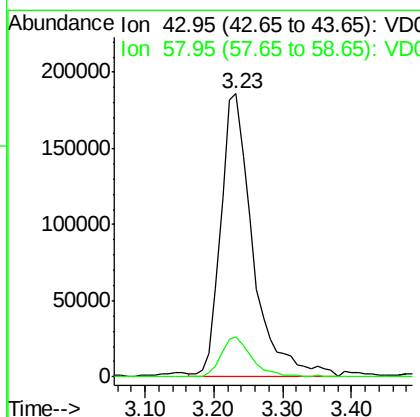
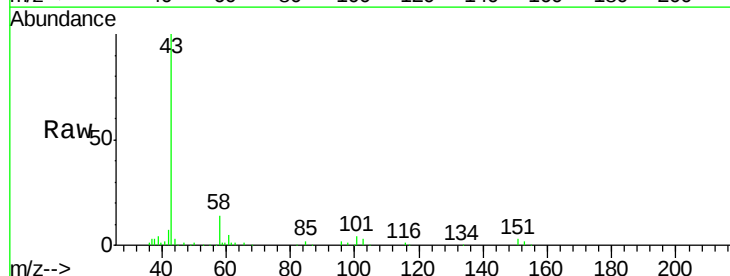
RT: 3.23 min Scan# 183

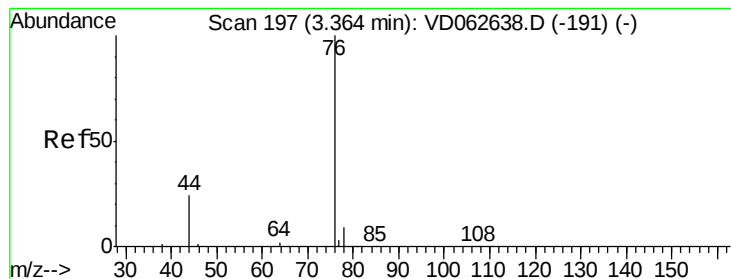
Delta R.T. 0.02 min

Lab File: VD062703.D

Acq: 14 Jun 2019 11:23

Tgt Ion:	43	Resp:	601771
Ion	Ratio	Lower	Upper
43	100		
58	14.4	10.8	16.2





#17

Carbon Disulfide

Concen: 52.914 ug/l

RT: 3.38 min Scan# 198

Delta R.T. 0.02 min

Lab File: VD062703.D

Acq: 14 Jun 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 1046329

Ion Ratio Lower Upper

76 100

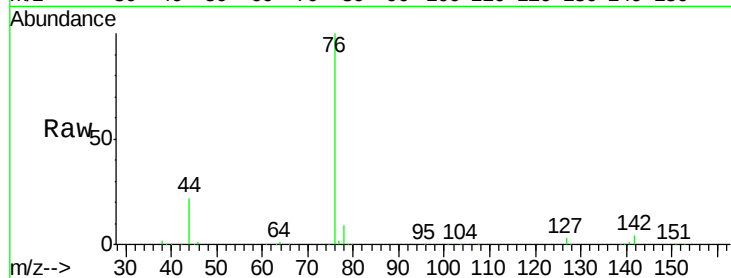
78 8.9 7.0 10.4

Manual Integrations

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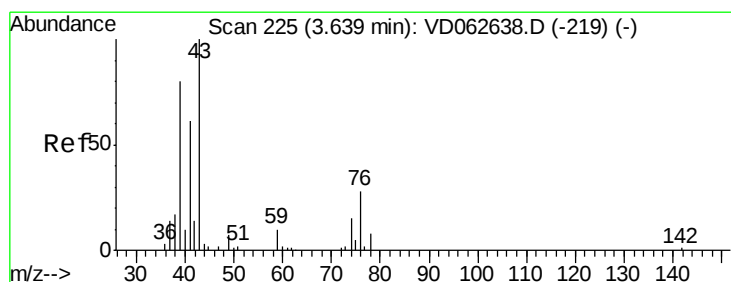
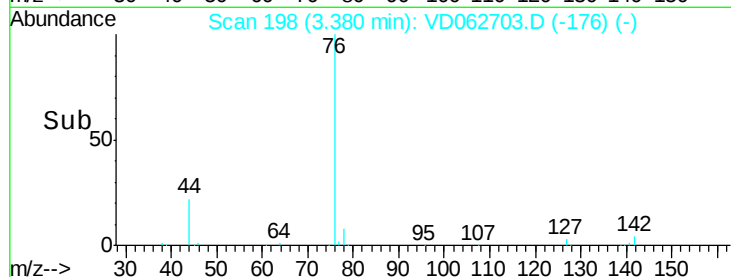
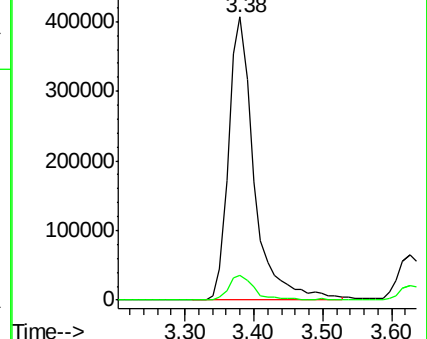
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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 44.403 ug/l

RT: 3.65 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD062703.D

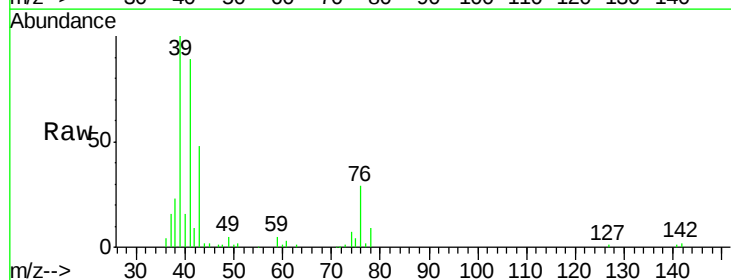
Acq: 14 Jun 2019 11:23

Tgt Ion: 43 Resp: 146389

Ion Ratio Lower Upper

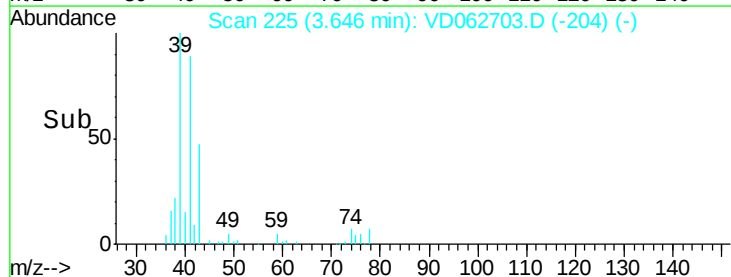
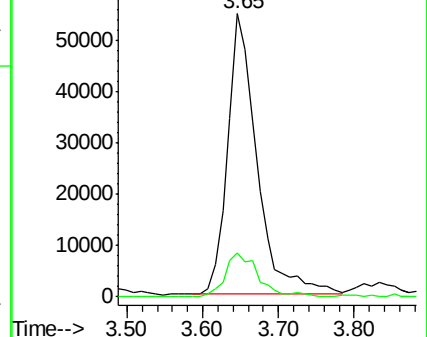
43 100

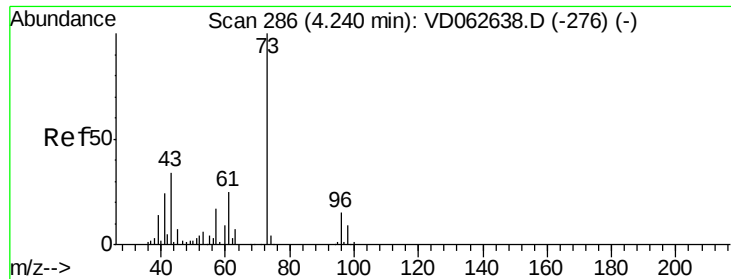
74 15.4 12.1 18.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





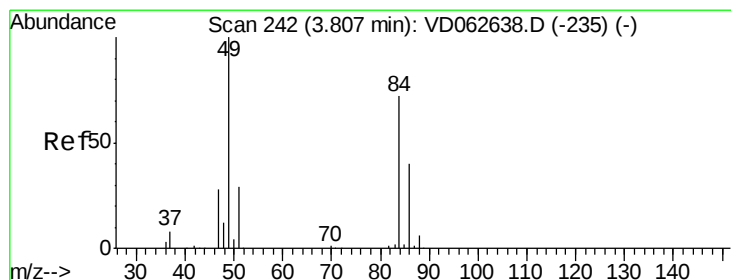
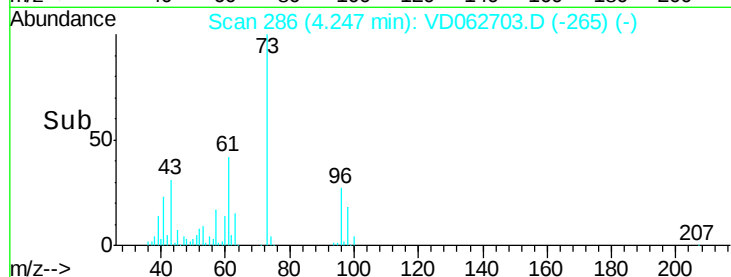
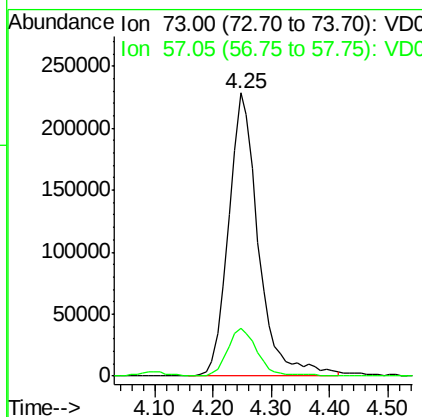
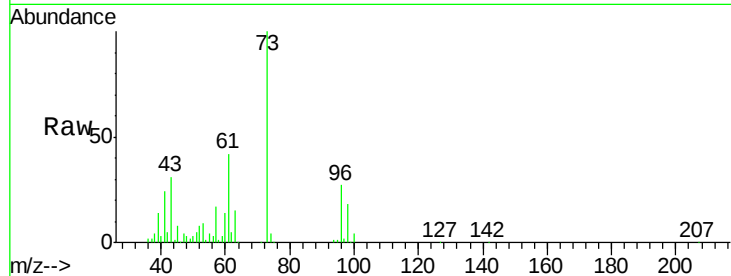
#19
Methvl tert-butvl Ether
Concen: 49.634 ug/l
RT: 4.25 min Scan# 286
Delta R.T. 0.01 min
Lab File: VD062703.D
Acq: 14 Jun 2019 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 812305
Ion Ratio Lower Upper
73 100
57 17.1 13.5 20.3

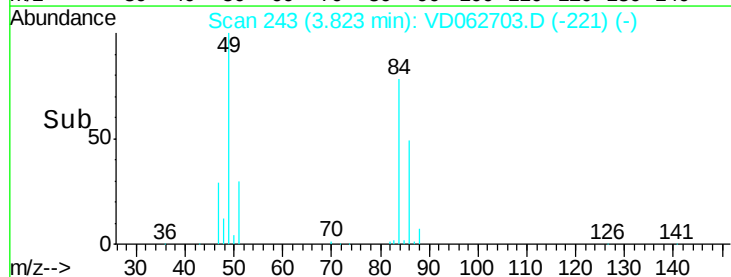
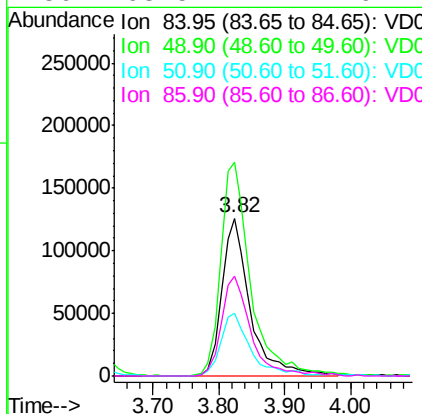
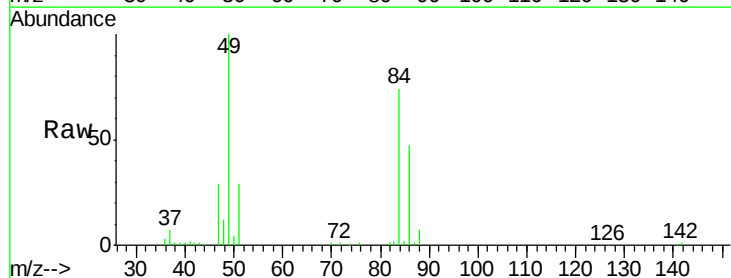
Manual Integrations
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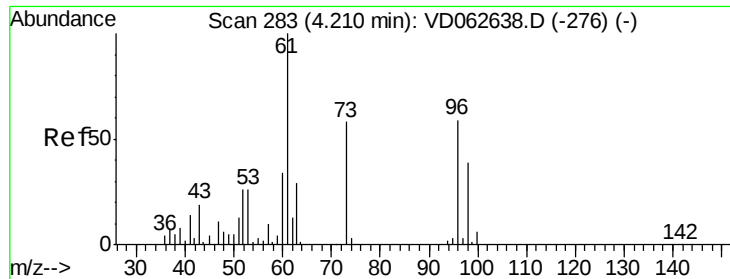
MMDadoda
6/18/2019 1:07:55 AM



#20
Methylene Chloride
Concen: 49.624 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD062703.D
Acq: 14 Jun 2019 11:23

Tgt Ion: 84 Resp: 376147
Ion Ratio Lower Upper
84 100
49 135.4 111.2 166.8
51 39.8 31.9 47.9
86 63.5 44.7 67.1





#21

trans-1,2-Dichloroethene

Concen: 53.110 ug/l

RT: 4.23 min Scan# 284

Delta R.T. 0.02 min

Lab File: VD062703.D

Acq: 14 Jun 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 390922

Ion Ratio Lower Upper

96 100

61 160.1 134.6 201.8

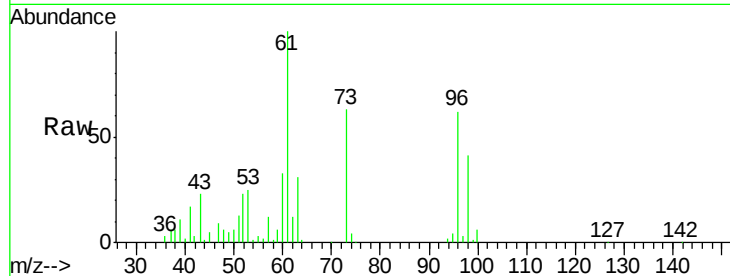
98 66.1 51.8 77.8

Manual Integrations

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MMDadoda

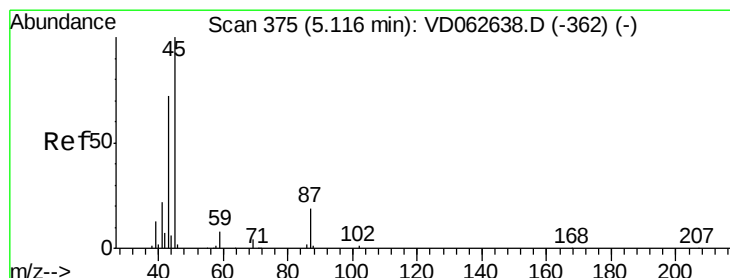
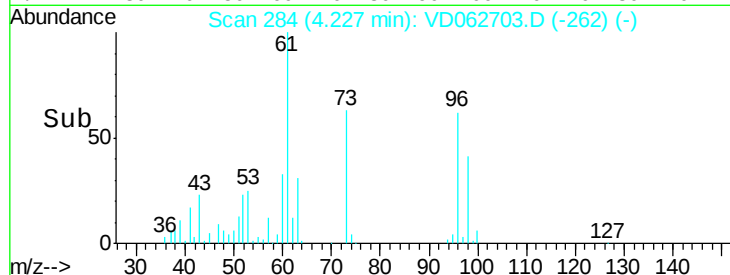
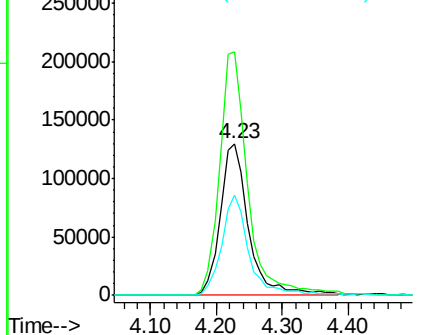
6/18/2019 1:07:55 AM



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 55.216 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.02 min

Lab File: VD062703.D

Acq: 14 Jun 2019 11:23

Tgt Ion: 45 Resp: 1182912

Ion Ratio Lower Upper

45 100

43 66.4 58.8 88.2

87 18.6 15.7 23.5

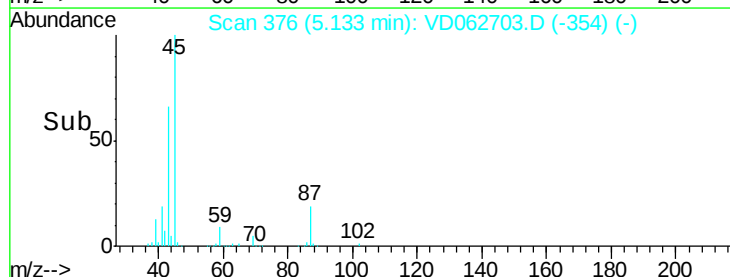
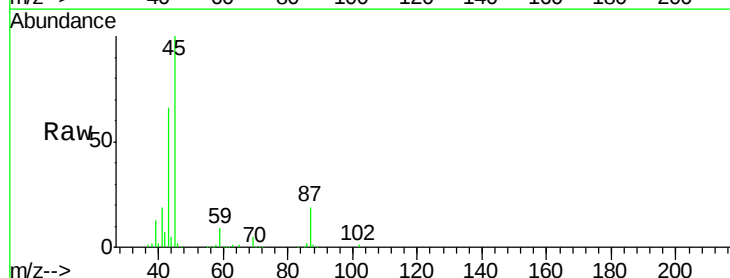
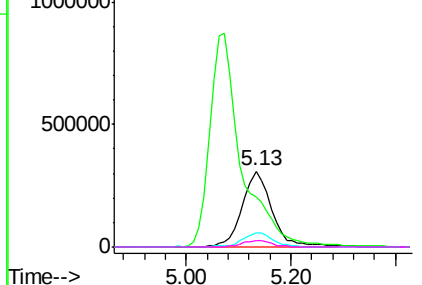
59 8.9 6.6 9.8

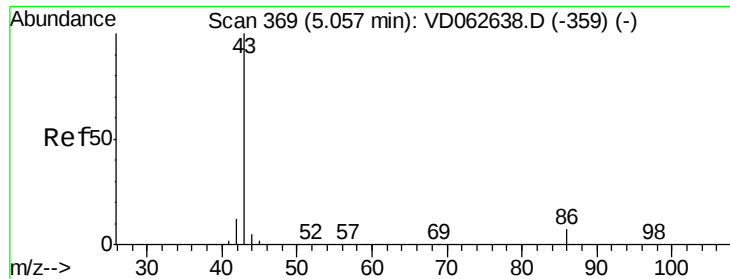
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 271.429 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.02 min

Lab File: VD062703.D

Acq: 14 Jun 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3607500

Ion Ratio Lower Upper

43 100

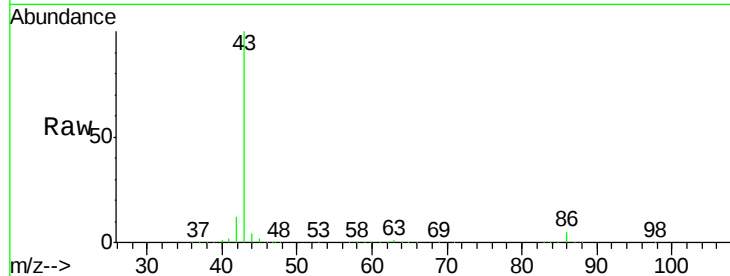
86 5.4 5.3 7.9

Manual Integrations

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MMDadoda

6/18/2019 1:07:55 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

1000000

800000

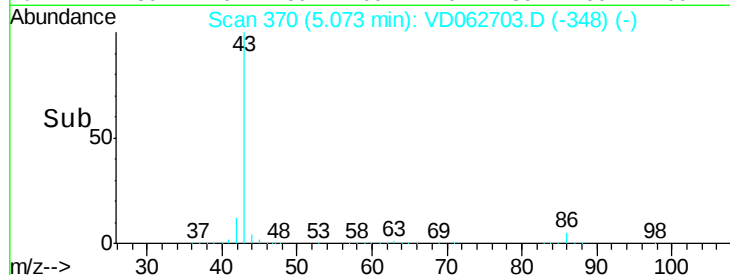
600000

400000

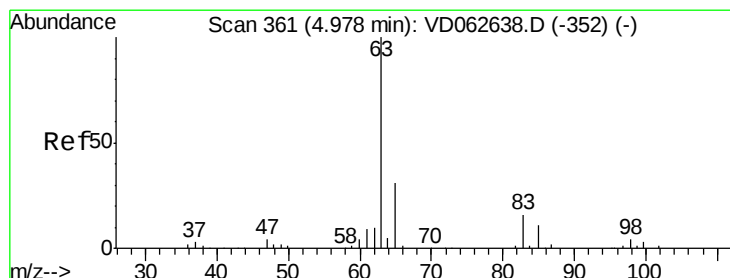
200000

0

Time-->



Time-->



#24

1,1-Dichloroethane

Concen: 51.623 ug/l

RT: 4.99 min Scan# 362

Delta R.T. 0.02 min

Lab File: VD062703.D

Acq: 14 Jun 2019 11:23

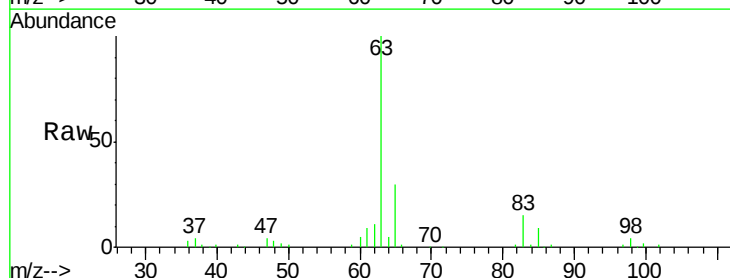
Tgt Ion: 63 Resp: 711474

Ion Ratio Lower Upper

63 100

98 3.7 1.8 5.4

100 2.2 1.5 4.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

250000

200000

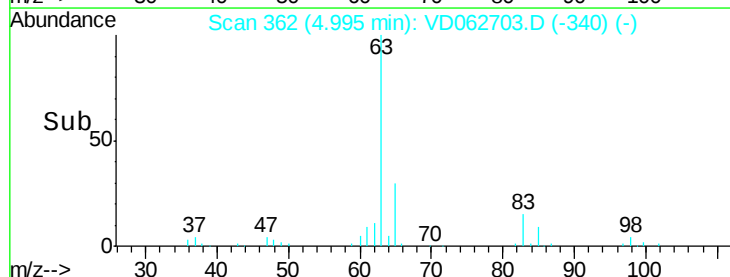
150000

100000

50000

0

Time-->



Time-->



#25

2-Butanone

Concen: 273.370 ug/l

RT: 6.09 min Scan# 473

Delta R.T. 0.02 min

Lab File: VD062703.D

Acq: 14 Jun 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 535006

Ion Ratio Lower Upper

43 100

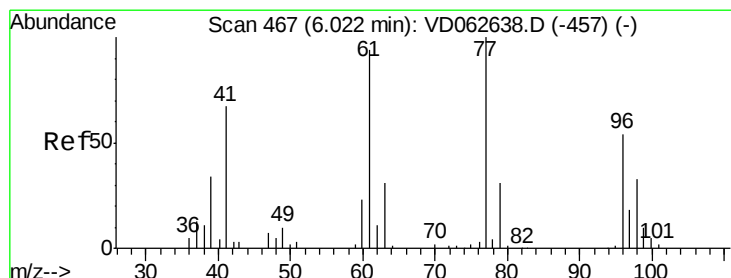
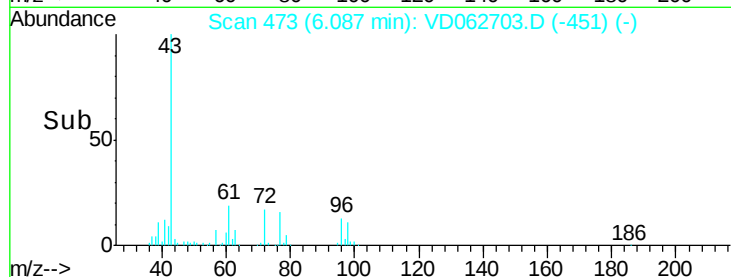
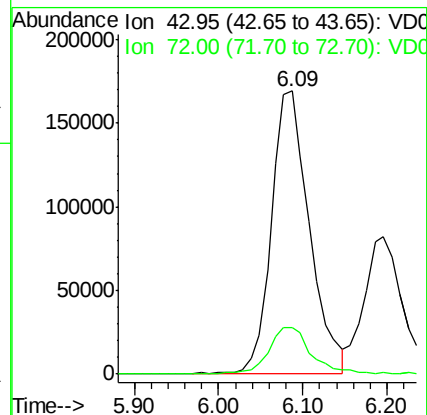
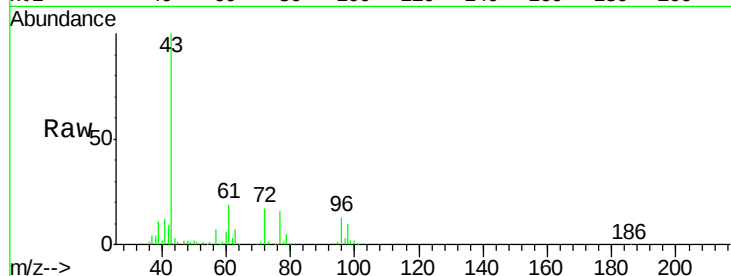
72 16.5 13.5 20.3

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#26

2,2-Dichloropropane

Concen: 54.697 ug/l

RT: 6.03 min Scan# 467

Delta R.T. 0.01 min

Lab File: VD062703.D

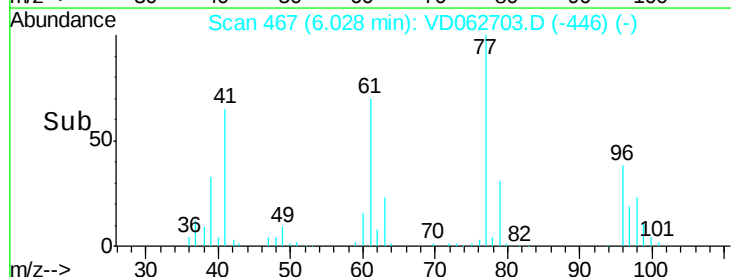
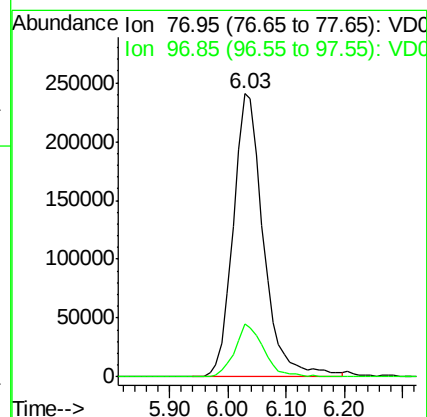
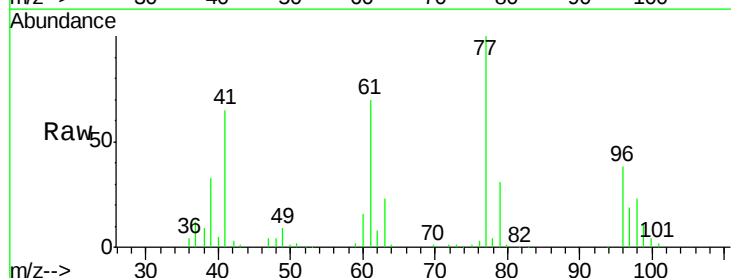
Acq: 14 Jun 2019 11:23

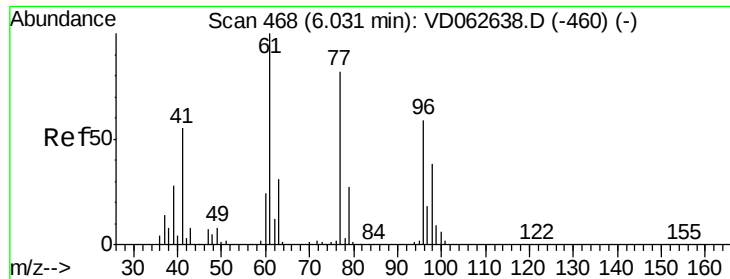
Tgt Ion: 77 Resp: 868810

Ion Ratio Lower Upper

77 100

97 18.9 8.8 26.5





#27

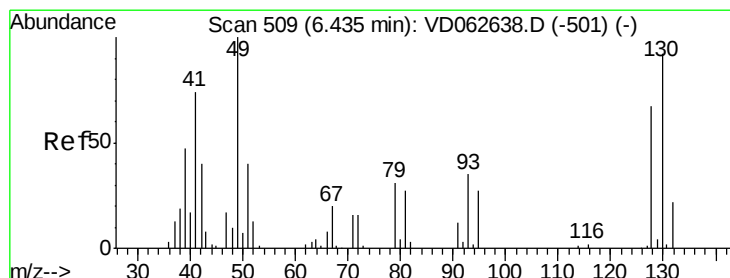
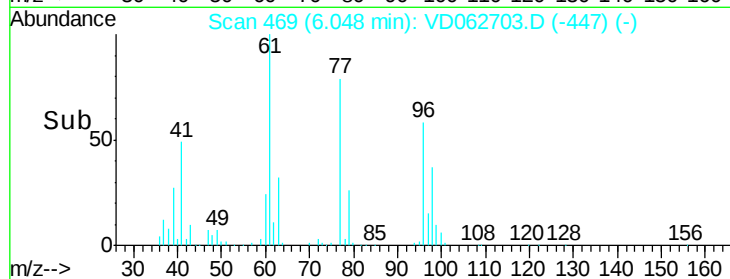
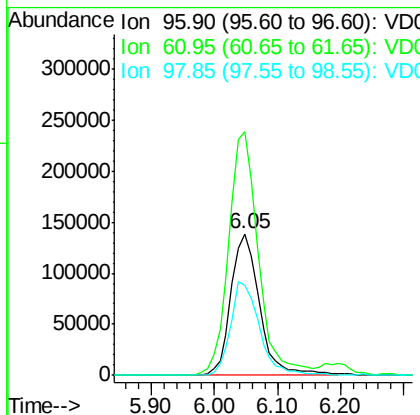
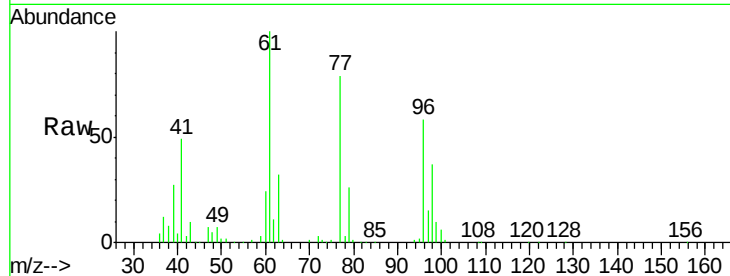
cis-1,2-Dichloroethene
Concen: 54.502 ug/l
RT: 6.05 min Scan# 469
Delta R.T. 0.02 min
Lab File: VD062703.D
Acq: 14 Jun 2019 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	172.3	0.0	340.0	
98	63.7	0.0	127.6	

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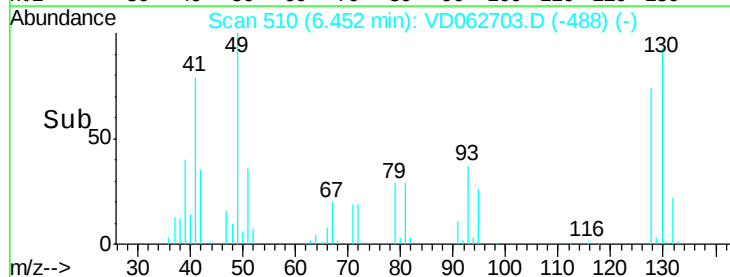
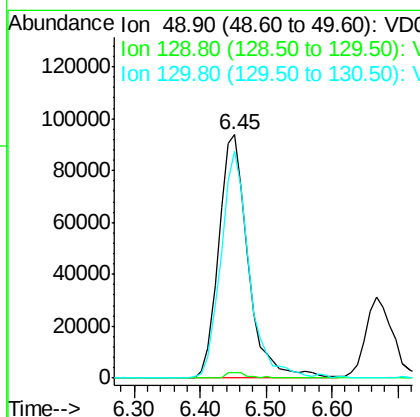
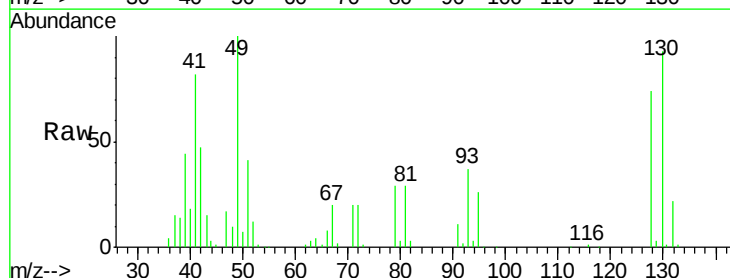
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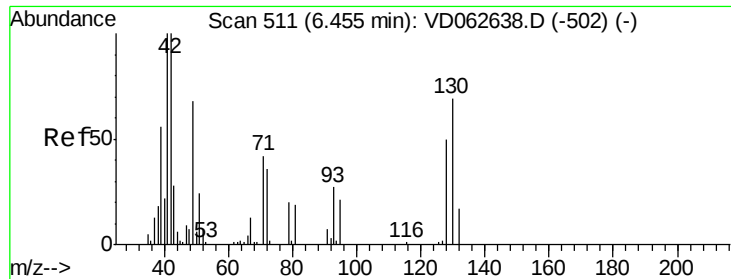


#28

Bromochloromethane
Concen: 55.261 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.02 min
Lab File: VD062703.D
Acq: 14 Jun 2019 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.5	0.0	8.2	
130	93.4	73.4	110.0	





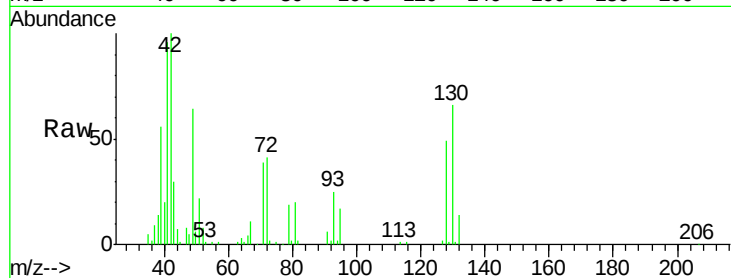
#29
Tetrahydrofuran
Concen: 256.417 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD062703.D
Acq: 14 Jun 2019 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

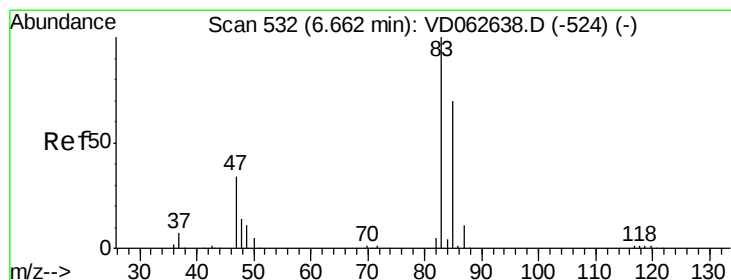
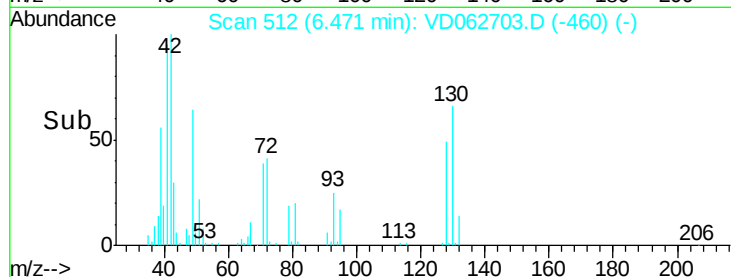
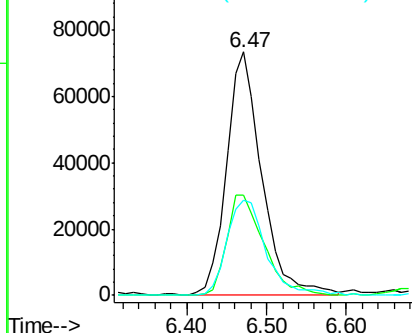
Tot Ion	Ratio	Lower	Upper
42	100		
72	43.8	33.8	50.6
71	43.7	34.2	51.4

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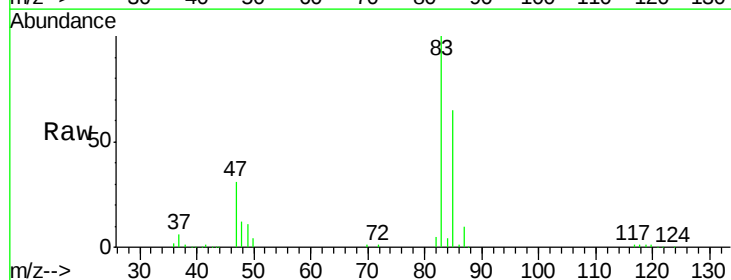


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

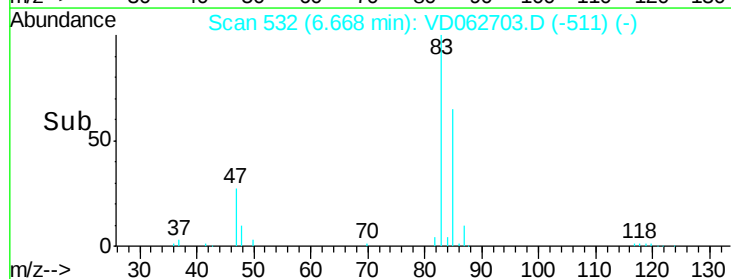
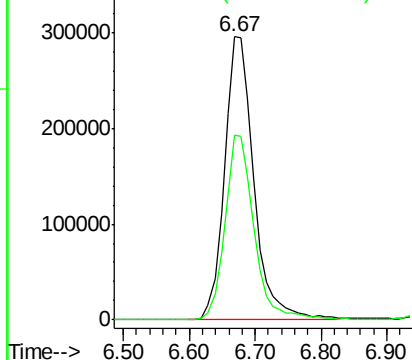


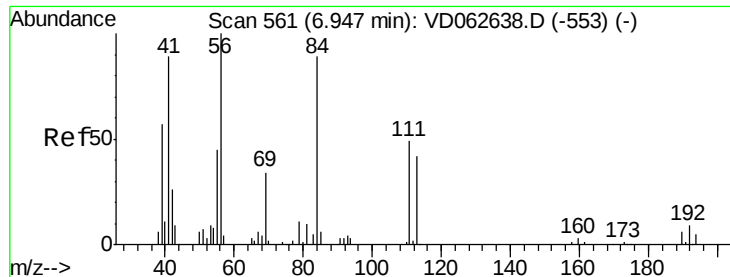
#30
Chloroform
Concen: 52.109 ug/l
RT: 6.67 min Scan# 532
Delta R.T. 0.01 min
Lab File: VD062703.D
Acq: 14 Jun 2019 11:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	55.8	83.6



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC





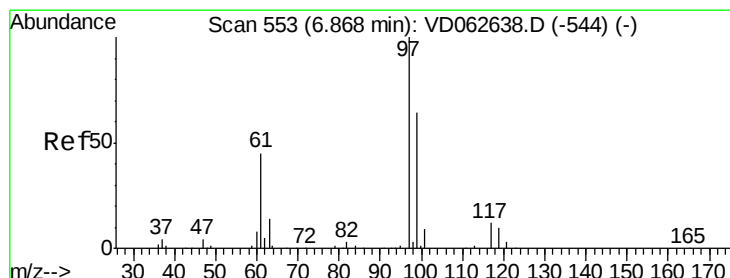
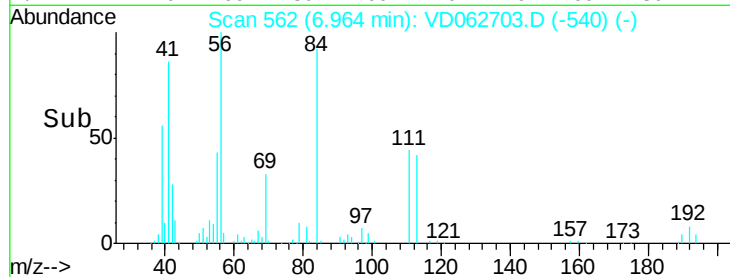
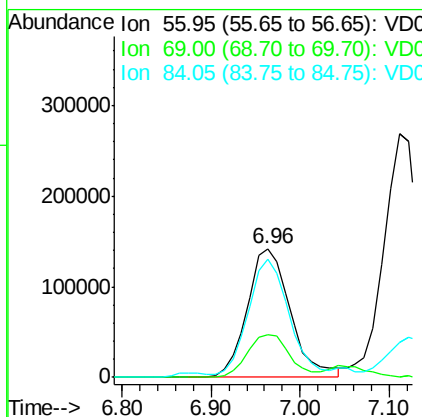
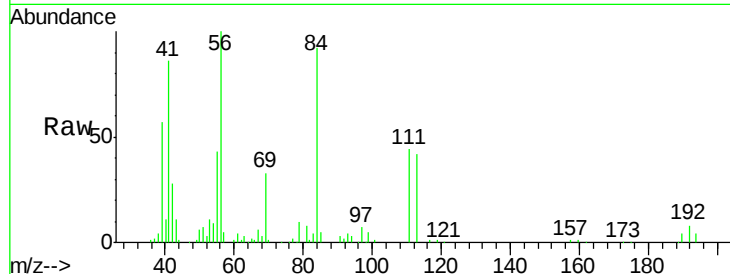
#31
Cyclohexane
Concen: 54.991 ug/l
RT: 6.96 min Scan# 562
Delta R.T. 0.02 min
Lab File: VD062703.D
Acq: 14 Jun 2019 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.4	26.8	40.2
84	91.8	73.9	110.9

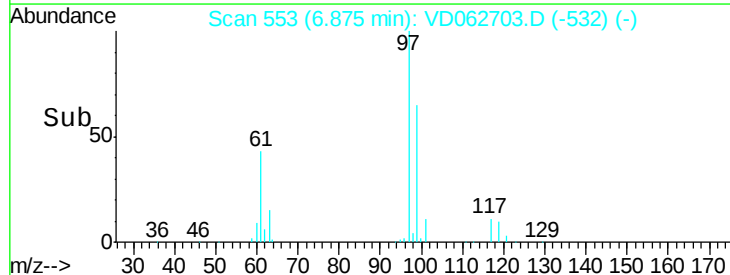
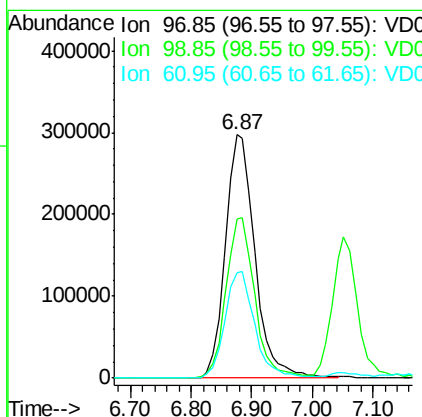
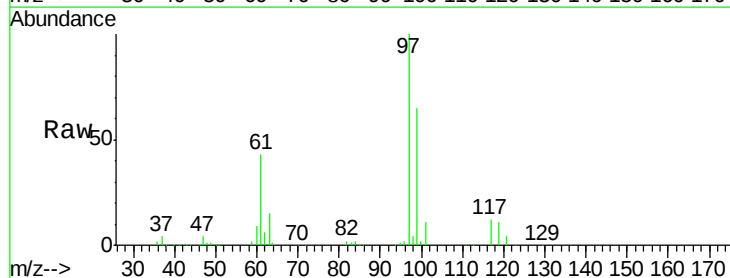
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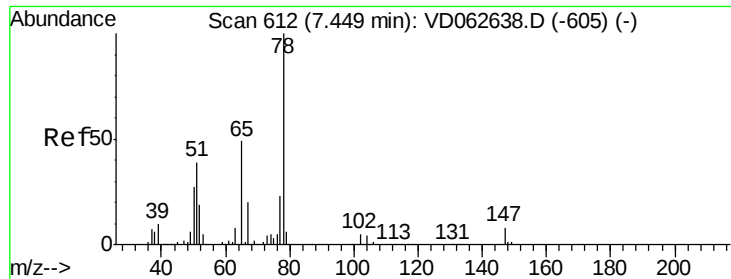
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#32
1,1,1-Trichloroethane
Concen: 57.150 ug/l
RT: 6.87 min Scan# 553
Delta R.T. 0.01 min
Lab File: VD062703.D
Acq: 14 Jun 2019 11:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.4	77.0
61	43.3	35.6	53.4





#33

1,2-Dichloroethane-d4

Concen: 46.605 ug/l

RT: 7.46 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD062703.D

Acq: 14 Jun 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 510559

Ion Ratio Lower Upper

65 100

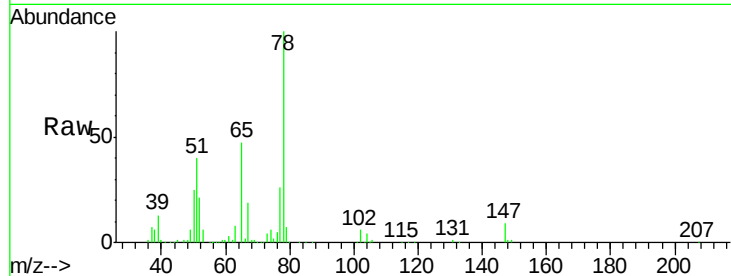
67 41.0 0.0 81.8

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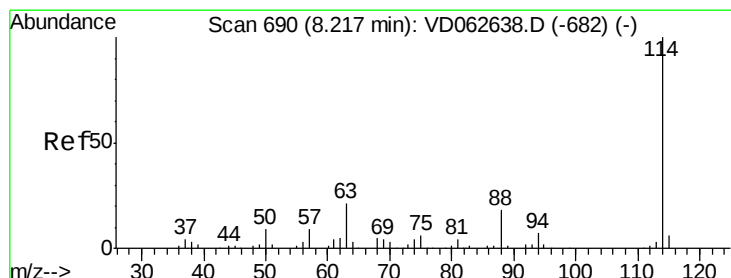
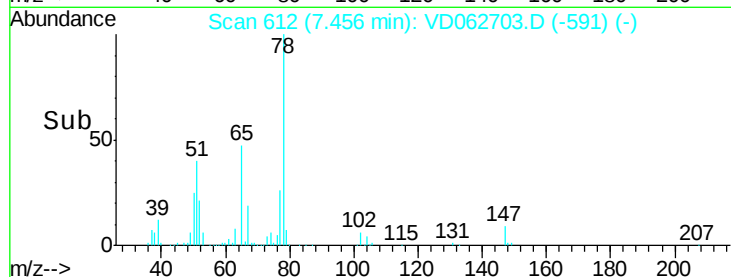
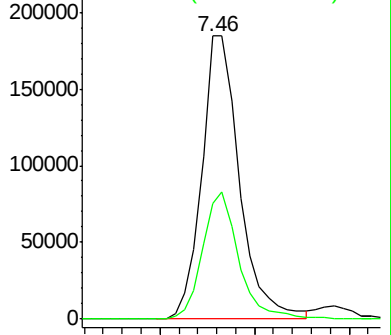
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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.01 min

Lab File: VD062703.D

Acq: 14 Jun 2019 11:23

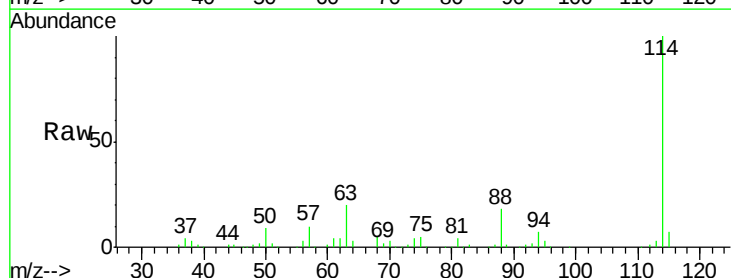
Tgt Ion: 114 Resp: 1030889

Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.4

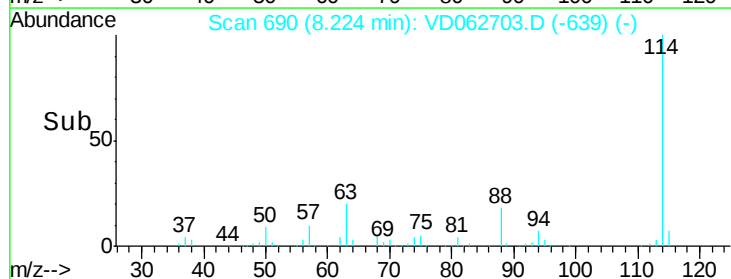
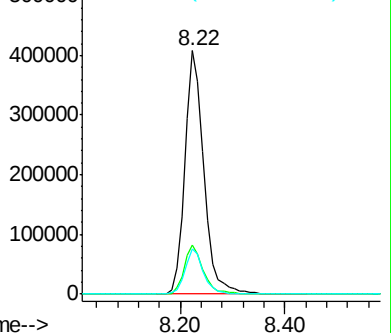
88 18.4 0.0 36.8

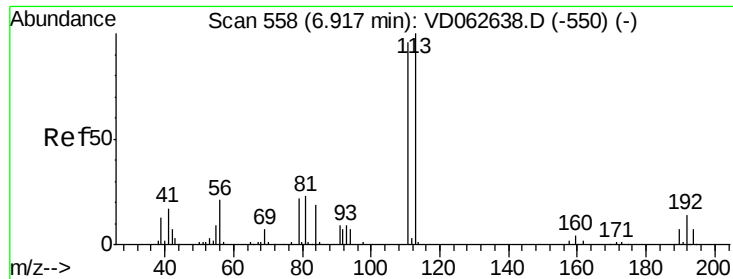


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.830 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.02 min

Lab File: VD062703.D

Acq: 14 Jun 2019 11:23

Instrument :

MSVOA_D

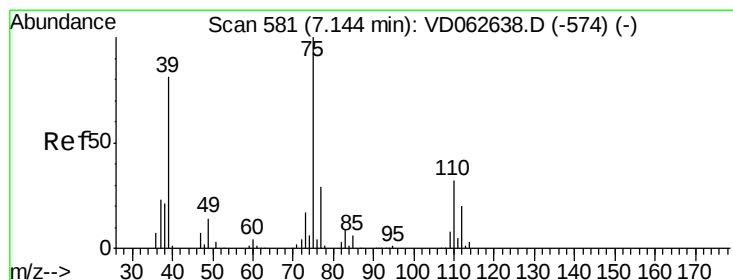
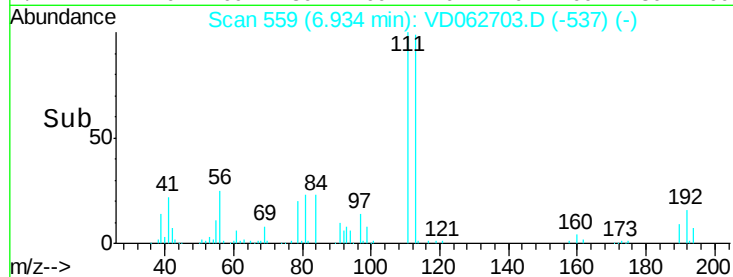
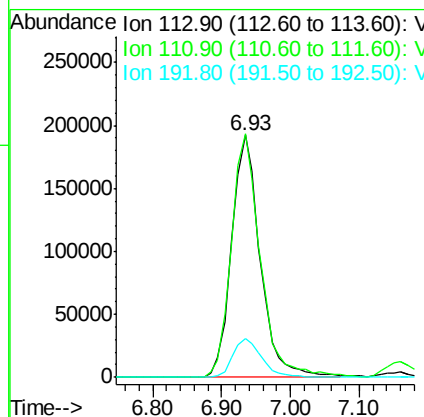
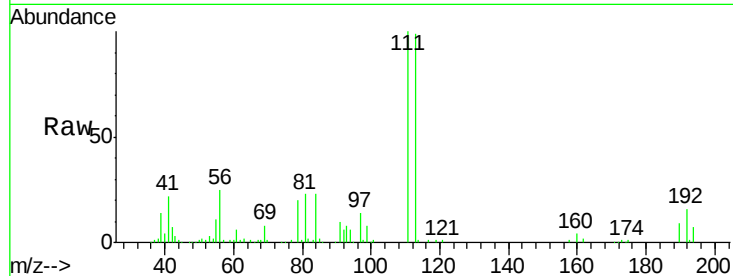
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	552630
Ion Ratio	Lower	Upper	
113	100		
111	100.5	76.4	114.6
192	16.1	11.4	17.0

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#36

1,1-Dichloropropene

Concen: 51.056 ug/l

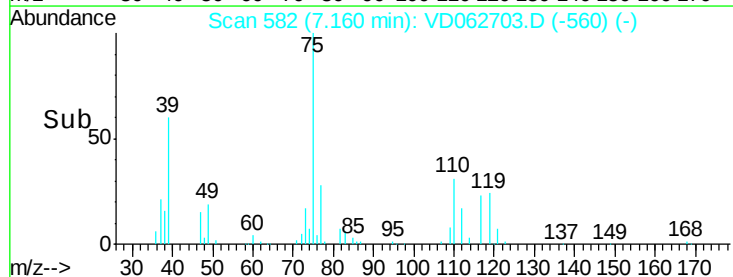
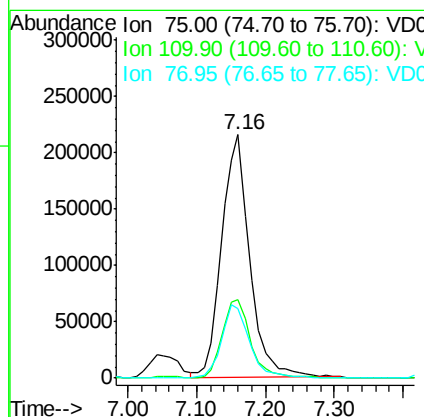
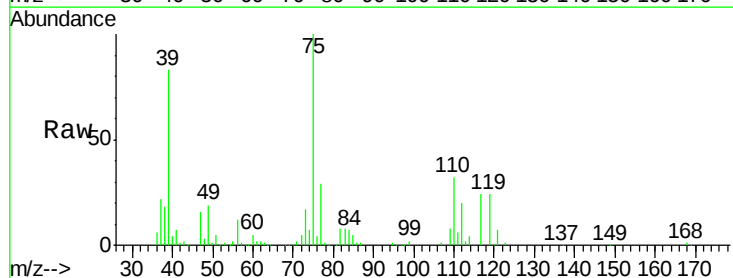
RT: 7.16 min Scan# 582

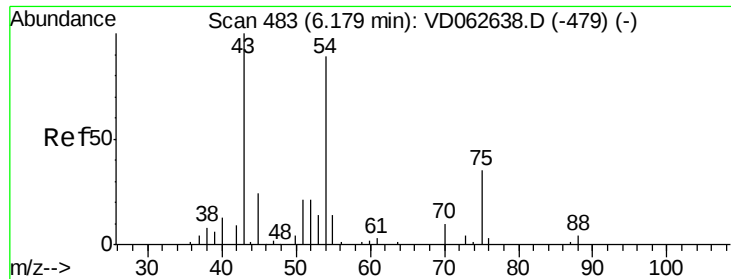
Delta R.T. 0.02 min

Lab File: VD062703.D

Acq: 14 Jun 2019 11:23

Tgt Ion:	75	Resp:	602385
Ion Ratio	Lower	Upper	
75	100		
110	32.1	15.9	47.7
77	28.8	23.3	34.9





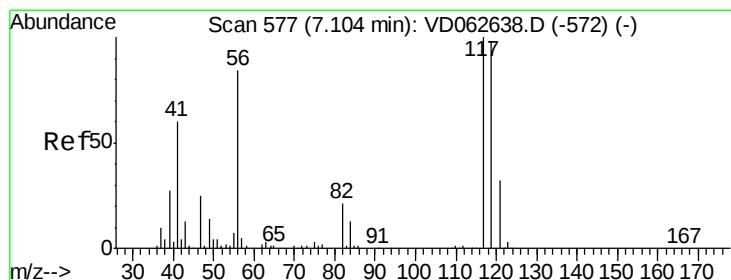
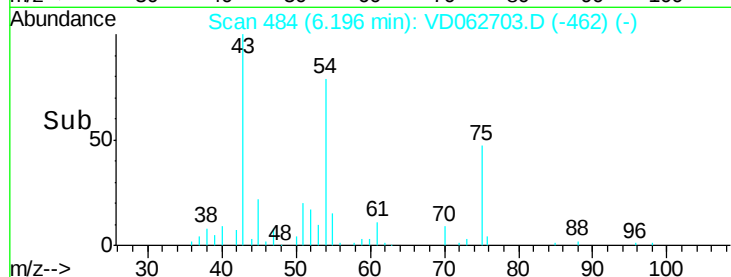
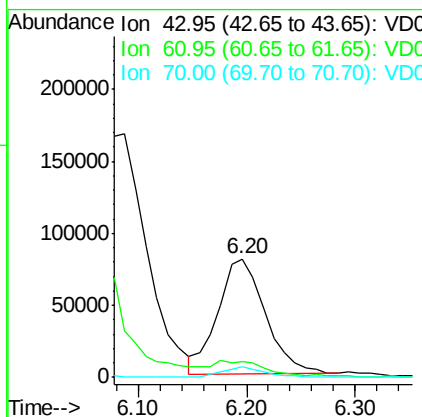
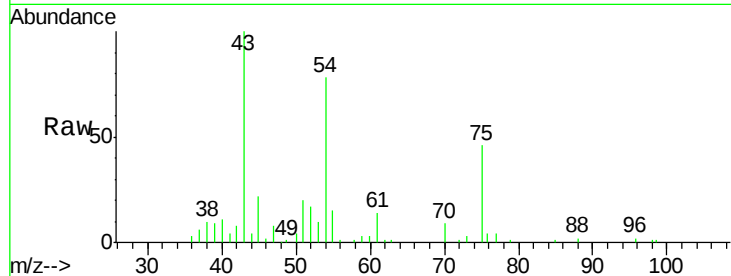
#37
Ethyl Acetate
Concen: 48.750 ug/l
RT: 6.20 min Scan# 484
Delta R.T. 0.02 min
Lab File: VD062703.D
Acq: 14 Jun 2019 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	8.7	13.1#
70	9.0	6.5	9.7

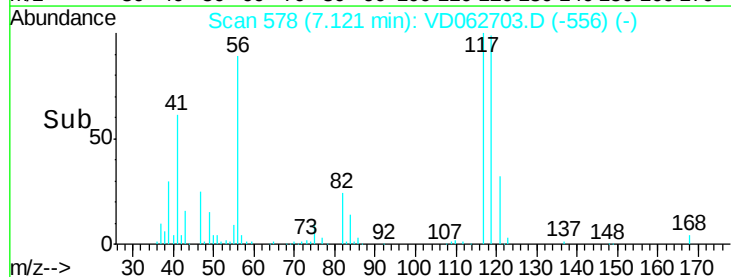
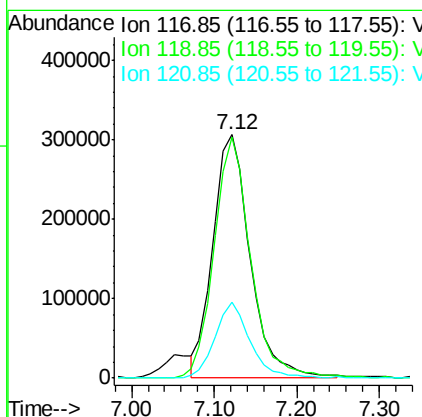
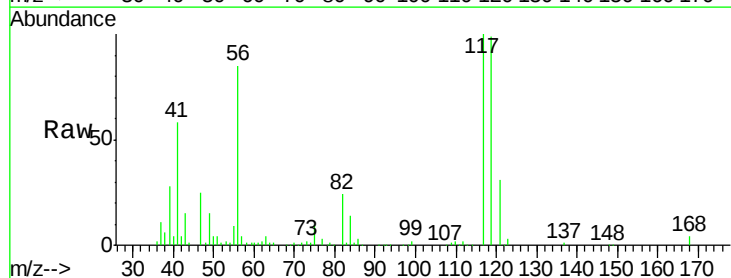
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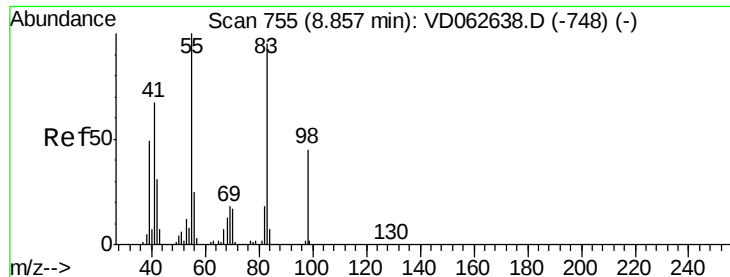
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#38
Carbon Tetrachloride
Concen: 51.833 ug/l m
RT: 7.12 min Scan# 578
Delta R.T. 0.02 min
Lab File: VD062703.D
Acq: 14 Jun 2019 11:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.2	73.5	110.3
121	31.3	24.2	36.4





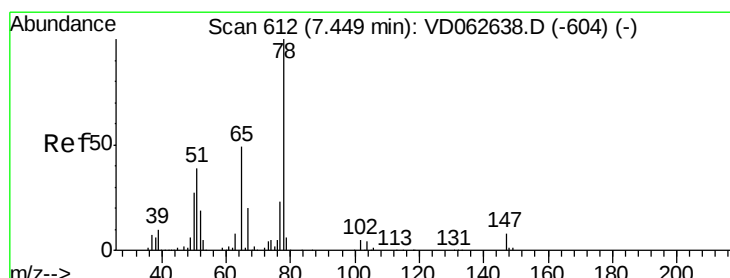
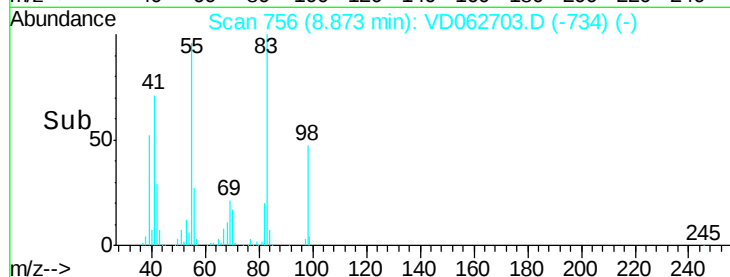
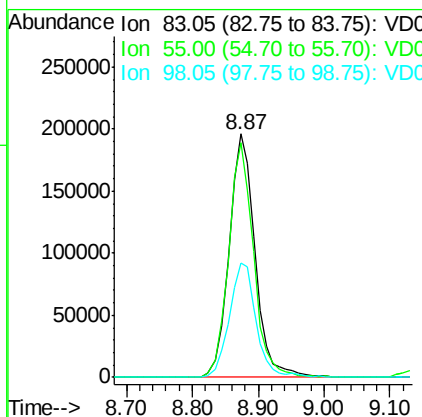
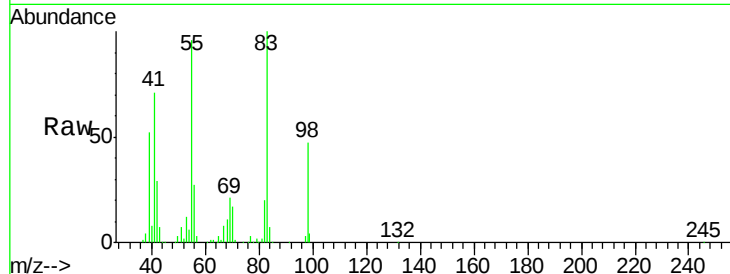
#39
Methvlcvclohexane
Concen: 56.653 ug/l
RT: 8.87 min Scan# 756
Delta R.T. 0.02 min
Lab File: VD062703.D
Acq: 14 Jun 2019 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	96.4	84.6	127.0
98	46.7	38.2	57.4

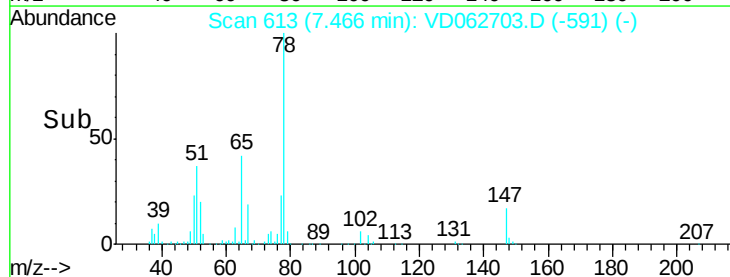
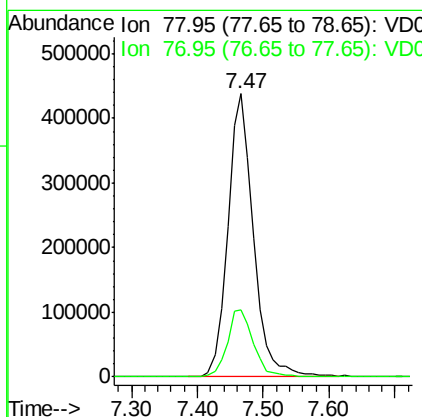
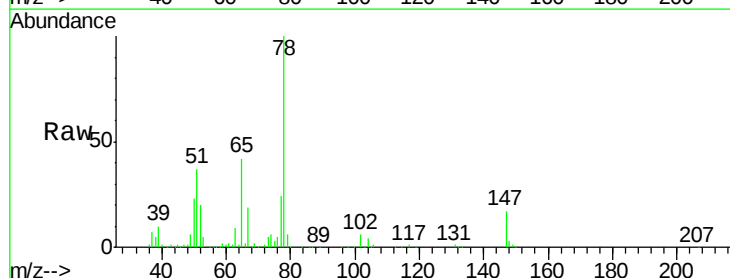
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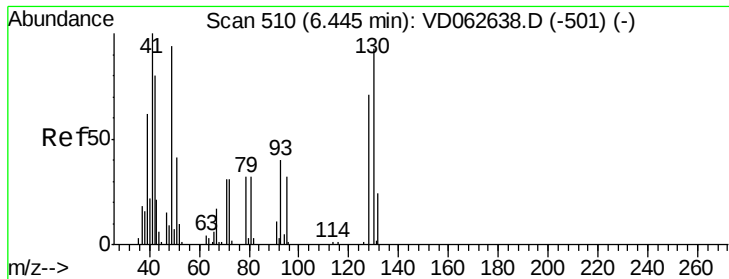
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#40
Benzene
Concen: 51.601 ug/l
RT: 7.47 min Scan# 613
Delta R.T. 0.02 min
Lab File: VD062703.D
Acq: 14 Jun 2019 11:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.6	28.0





#41

Methacrylonitrile

Concen: 52.610 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.02 min

Lab File: VD062703.D

Acq: 14 Jun 2019 11:23

Instrument :

MSVOA_D

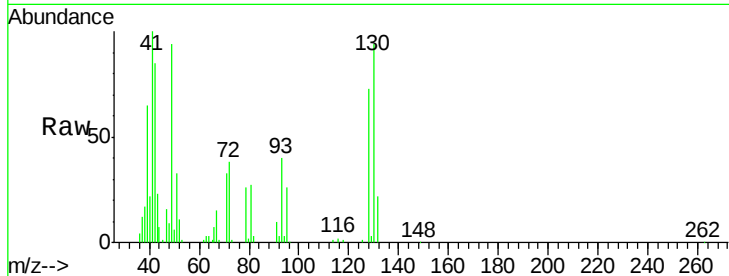
ClientSampleId :

VSTDCCC050

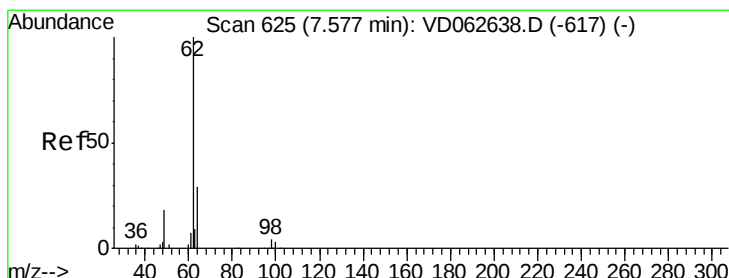
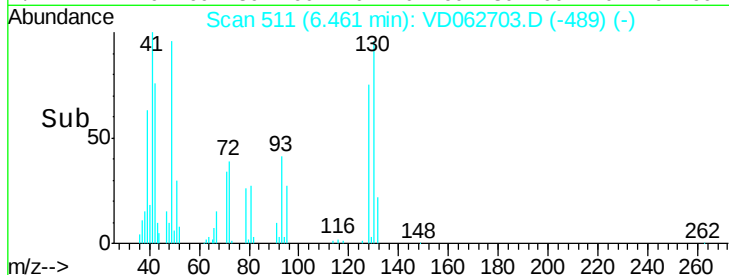
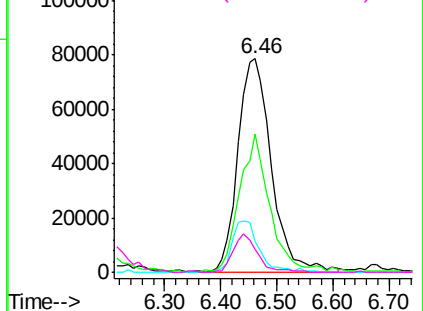
Tot Ion	Ratio	Lower	Upper
41	100		
39	65.0	49.2	73.8
67	14.6	13.9	20.9
52	11.1	7.6	11.4

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Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 51.333 ug/l

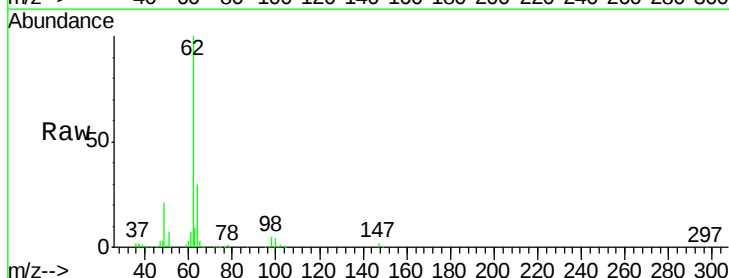
RT: 7.58 min Scan# 625

Delta R.T. 0.01 min

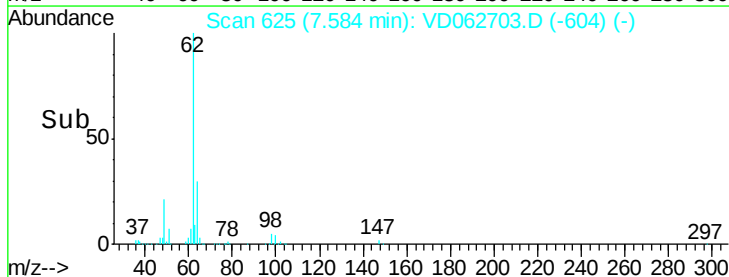
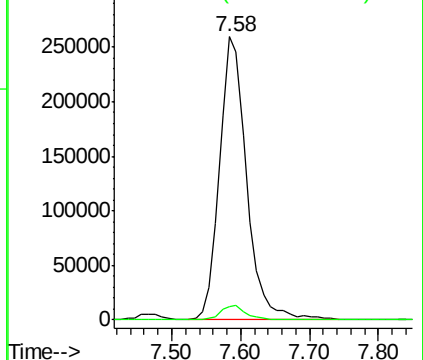
Lab File: VD062703.D

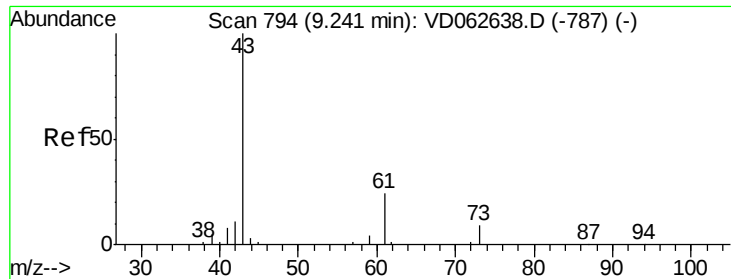
Acq: 14 Jun 2019 11:23

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.8	0.0	7.4



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

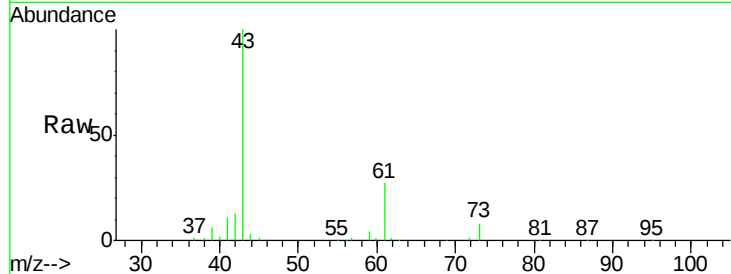
Isopropyl Acetate
 Concen: 53.088 ug/l
 RT: 9.25 min Scan# 794
 Delta R.T. 0.01 min
 Lab File: VD062703.D
 Acq: 14 Jun 2019 11:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

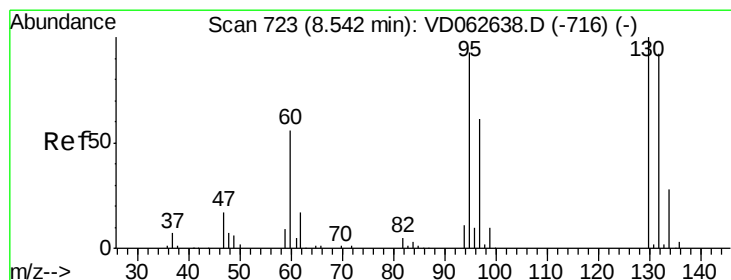
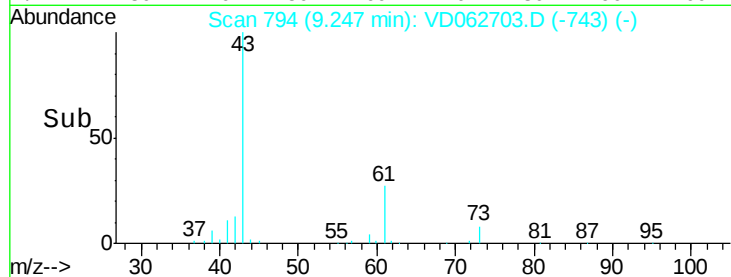
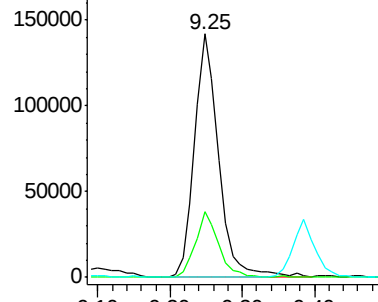
Tot Ion	Ratio	Lower	Upper
43	100		
61	27.0	19.0	28.6
87	0.3	0.3	0.5

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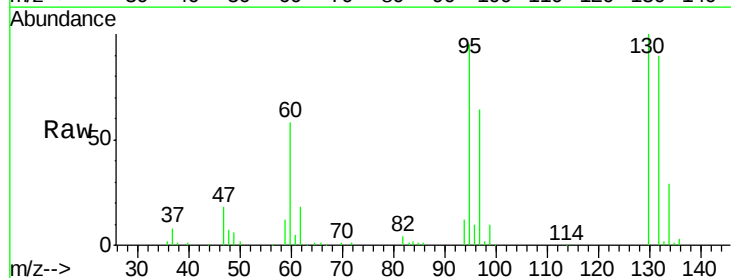
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



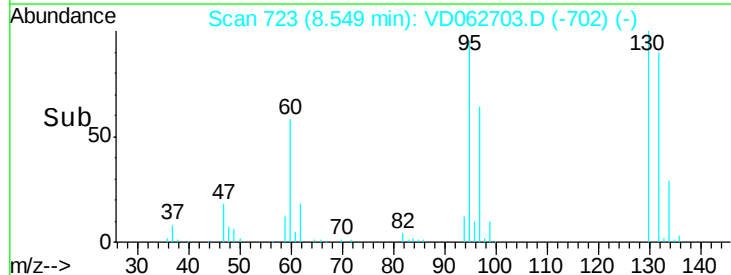
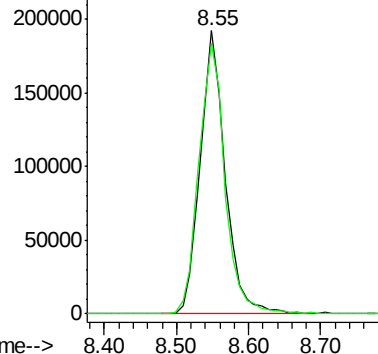
#44

Trichloroethene
 Concen: 49.576 ug/l
 RT: 8.55 min Scan# 723
 Delta R.T. 0.01 min
 Lab File: VD062703.D
 Acq: 14 Jun 2019 11:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	185.6



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 54.887 ug/l

RT: 8.95 min Scan# 764

Delta R.T. 0.02 min

Lab File: VD062703.D

Acq: 14 Jun 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 303770

Ion Ratio Lower Upper

63 100

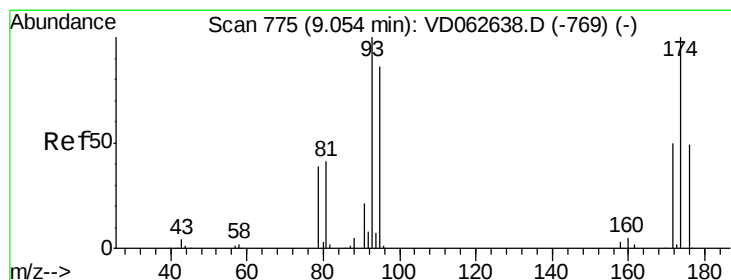
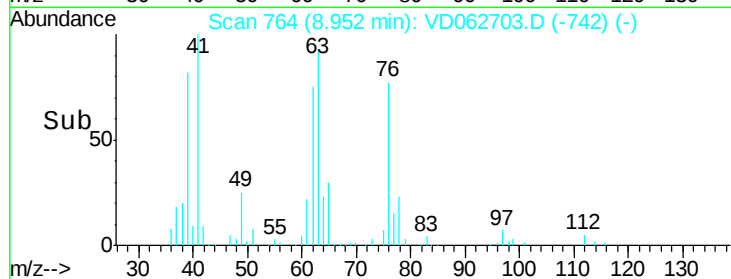
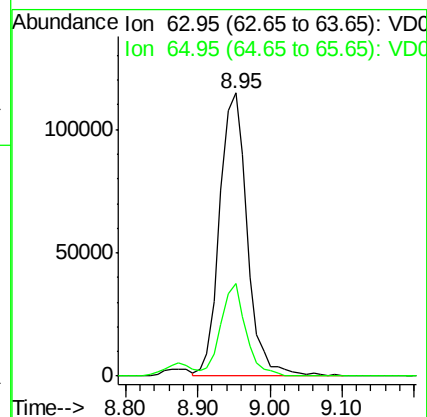
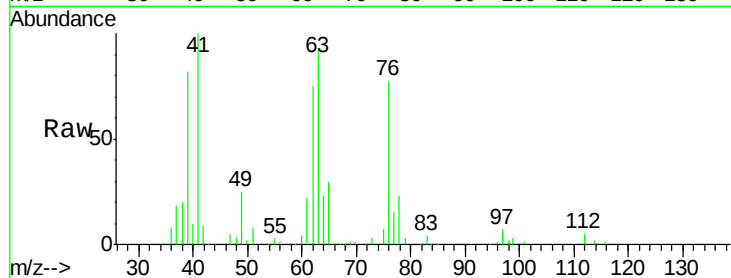
65 32.8 24.6 37.0

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#46

Dibromomethane

Concen: 52.581 ug/l

RT: 9.07 min Scan# 776

Delta R.T. 0.02 min

Lab File: VD062703.D

Acq: 14 Jun 2019 11:23

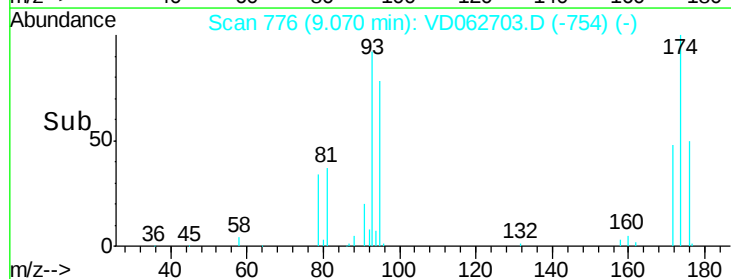
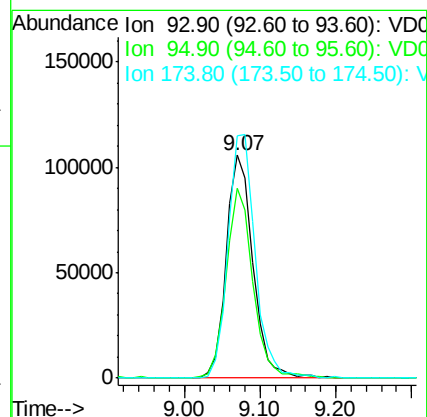
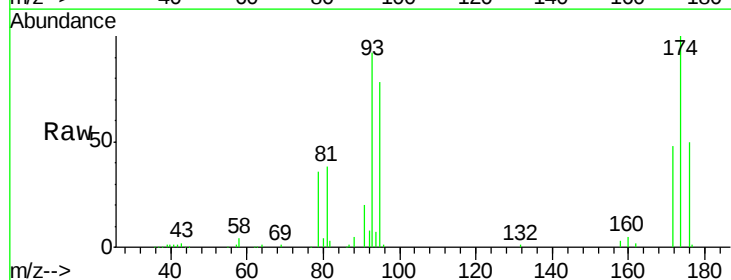
Tgt Ion: 93 Resp: 258313

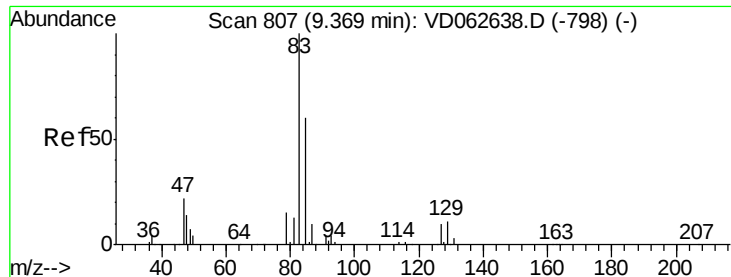
Ion Ratio Lower Upper

93 100

95 85.3 68.7 103.1

174 108.7 79.8 119.8





#47

Bromodichloromethane

Concen: 52.916 ug/l

RT: 9.39 min Scan# 808

Delta R.T. 0.02 min

Lab File: VD062703.D

Acq: 14 Jun 2019 11:23

Instrument :

MSVOA_D

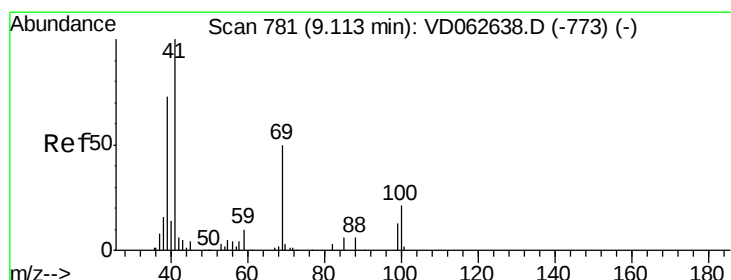
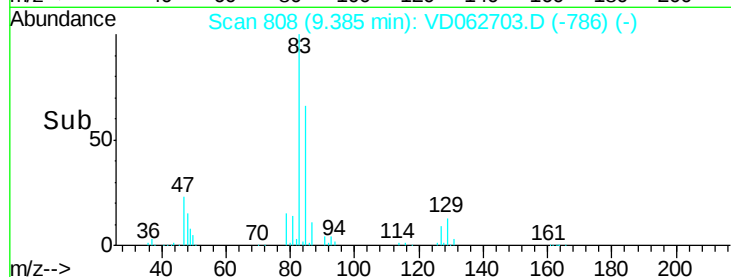
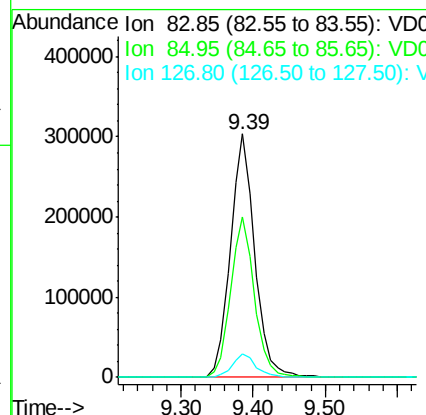
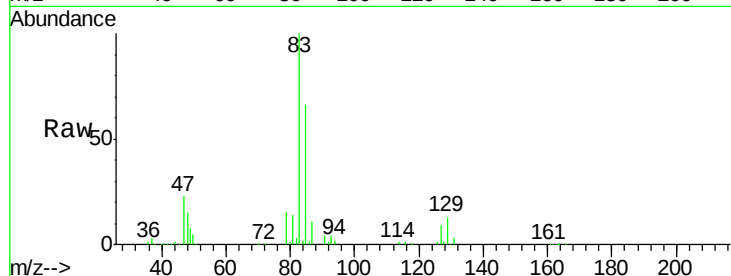
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	707163
Ion	Ratio	Lower	Upper
83	100		
85	65.6	47.9	71.9
127	9.5	8.2	12.4

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#48

Methyl methacrylate

Concen: 51.154 ug/l

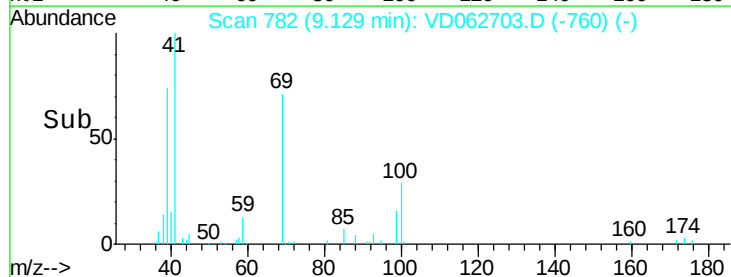
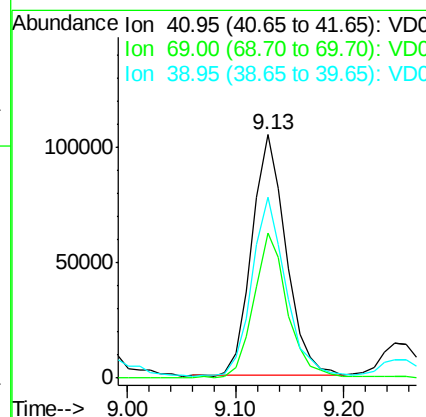
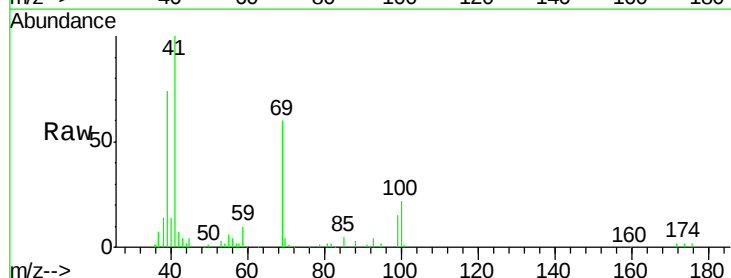
RT: 9.13 min Scan# 782

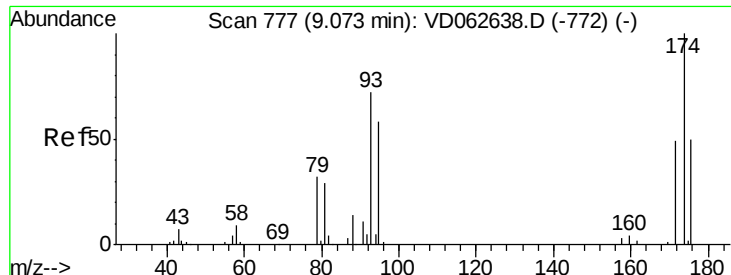
Delta R.T. 0.02 min

Lab File: VD062703.D

Acq: 14 Jun 2019 11:23

Tgt Ion:	41	Resp:	230065
Ion	Ratio	Lower	Upper
41	100		
69	59.6	39.8	59.6
39	74.4	59.1	88.7





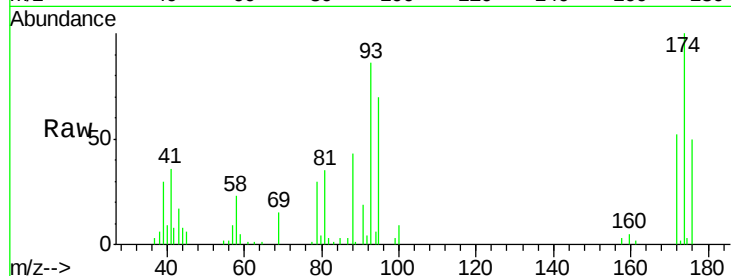
#49
 1,4-Dioxane
 Concen: 976.758 ug/l
 RT: 9.10 min Scan# 779
 Delta R.T. 0.03 min
 Lab File: VD062703.D
 Acq: 14 Jun 2019 11:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

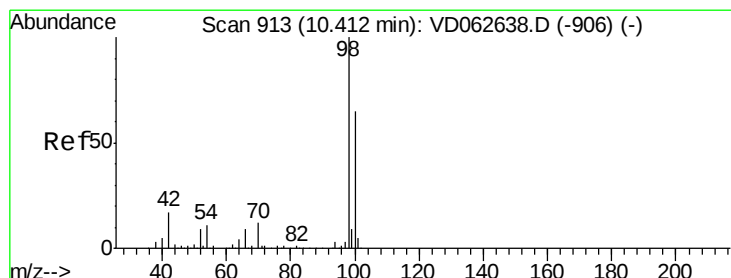
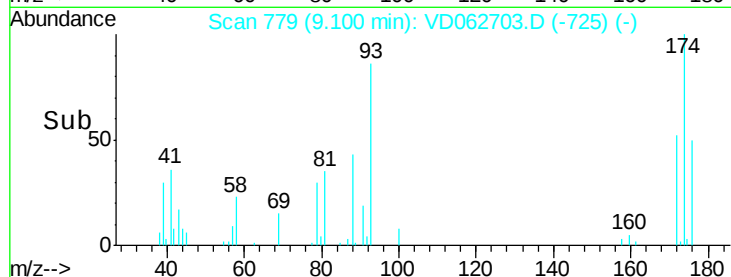
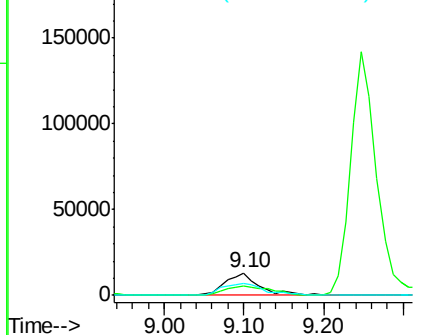
Tot Ion	Ratio	Lower	Upper
88	100		
43	39.5	40.7	61.1#
58	52.3	54.2	81.4#

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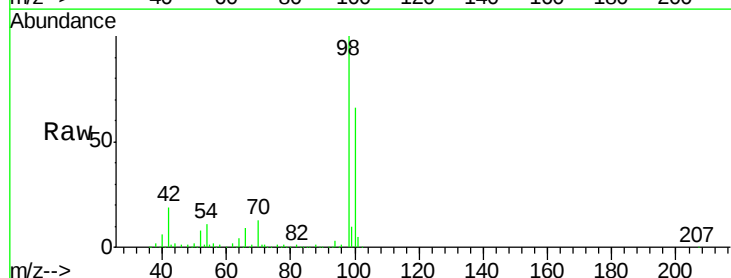


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

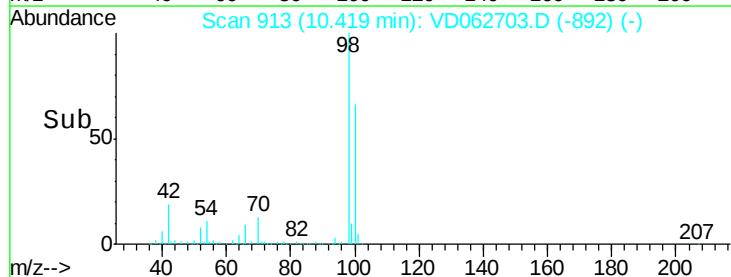
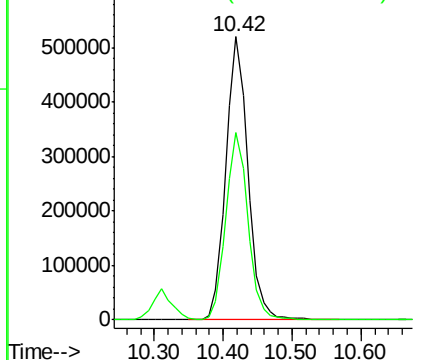


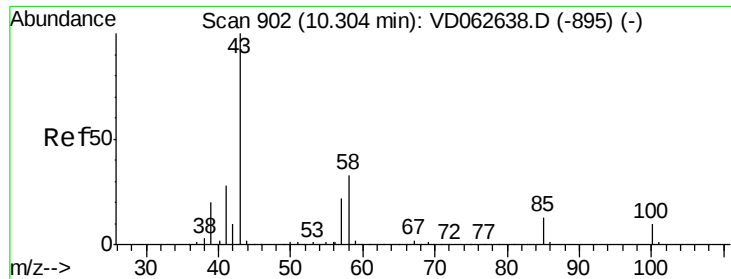
#50
 Toluene-d8
 Concen: 50.566 ug/l
 RT: 10.42 min Scan# 913
 Delta R.T. 0.01 min
 Lab File: VD062703.D
 Acq: 14 Jun 2019 11:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.1	78.1



Abundance Ion 98.05 (97.75 to 98.75): VDC
 Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 257.839 ug/l

RT: 10.31 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD062703.D

Acq: 14 Jun 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1123158

Ion Ratio Lower Upper

43 100

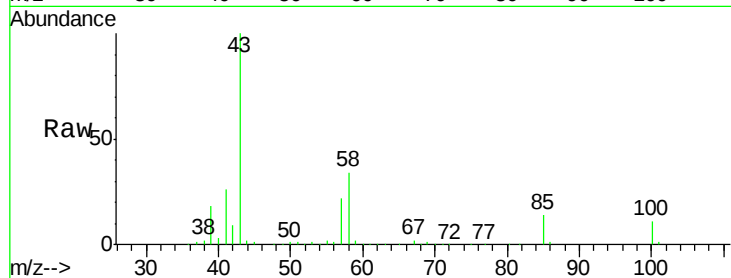
58 33.6 26.1 39.1

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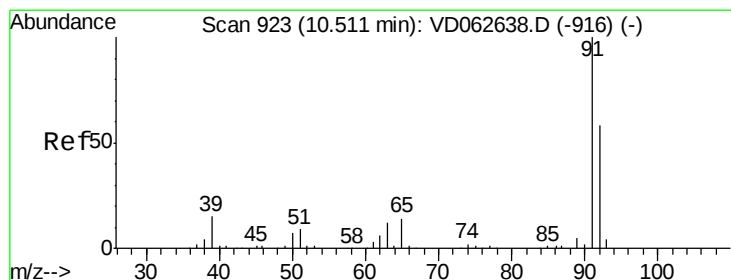
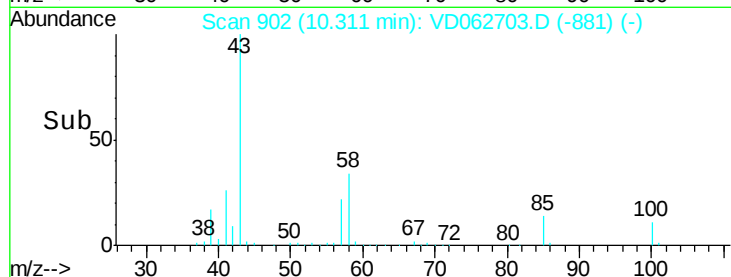
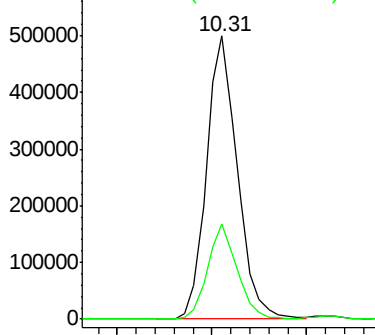
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 53.592 ug/l

RT: 10.52 min Scan# 923

Delta R.T. 0.01 min

Lab File: VD062703.D

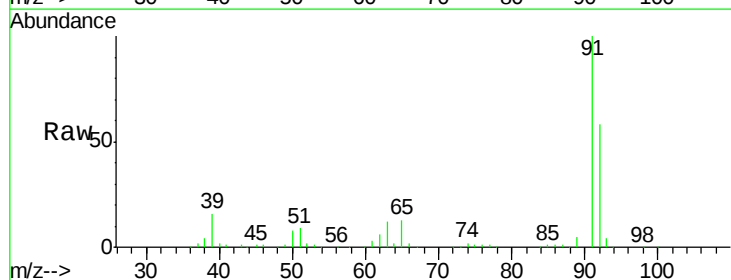
Acq: 14 Jun 2019 11:23

Tgt Ion: 92 Resp: 830027

Ion Ratio Lower Upper

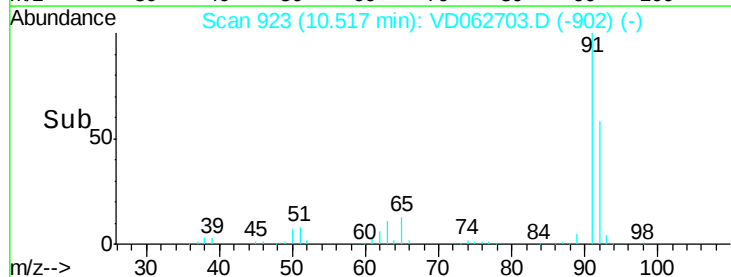
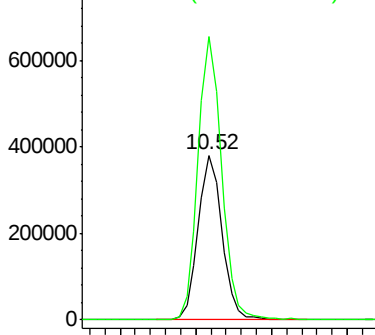
92 100

91 172.1 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 54.780 ug/l

RT: 10.92 min Scan# 964

Delta R.T. 0.01 min

Lab File: VD062703.D

Acq: 14 Jun 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 600214

Ion Ratio Lower Upper

75 100

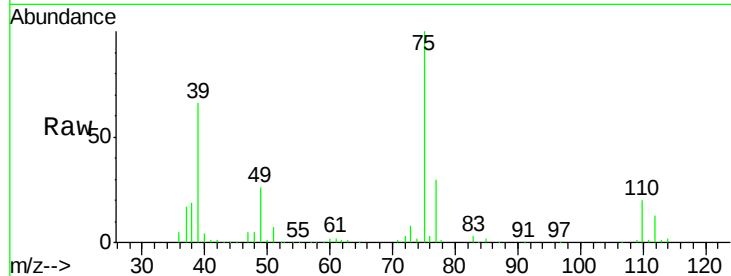
77 30.3 24.1 36.1

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.92

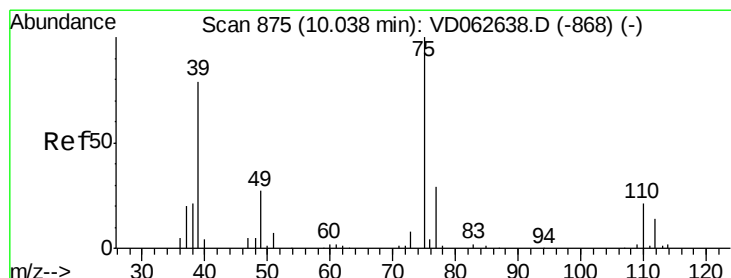
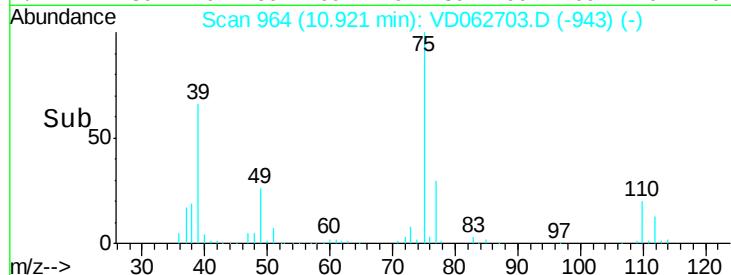
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 56.747 ug/l

RT: 10.04 min Scan# 875

Delta R.T. 0.01 min

Lab File: VD062703.D

Acq: 14 Jun 2019 11:23

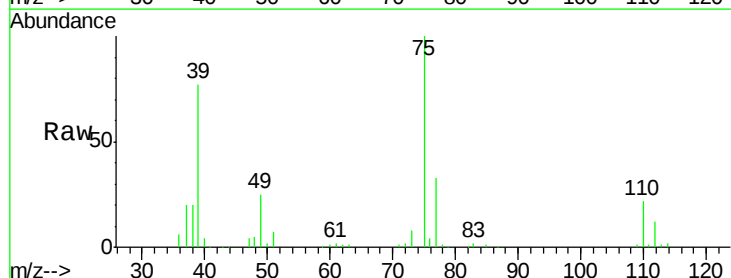
Tgt Ion: 75 Resp: 642623

Ion Ratio Lower Upper

75 100

77 32.6 23.1 34.7

39 76.6 63.4 95.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

10.04

400000

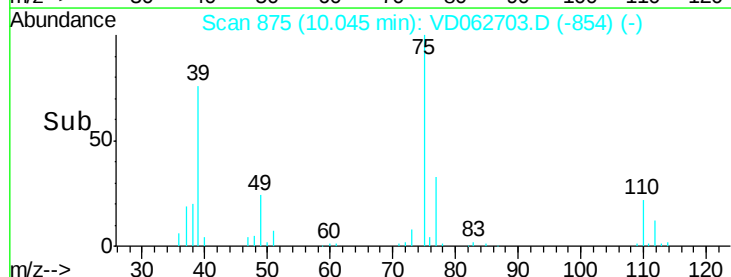
300000

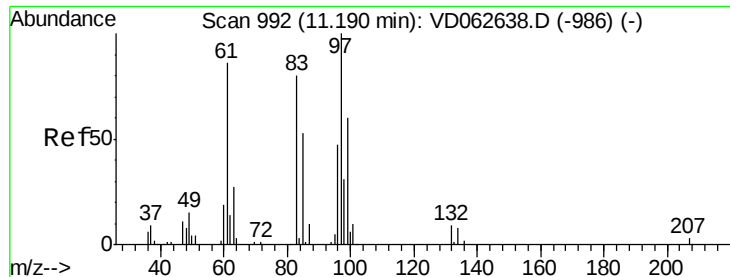
200000

100000

0

Time-->





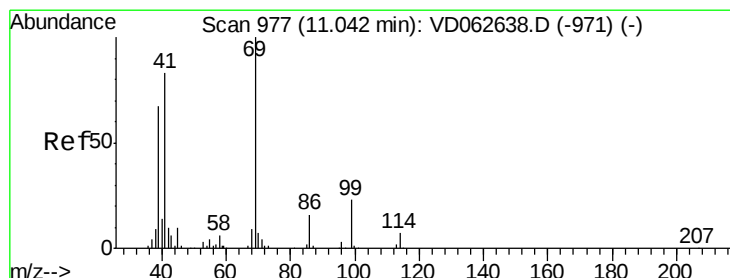
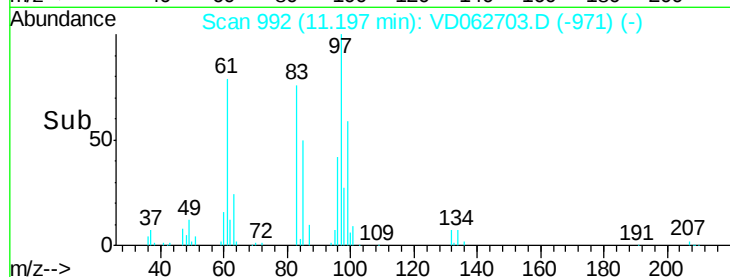
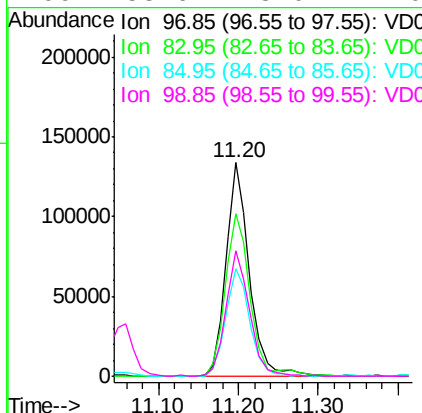
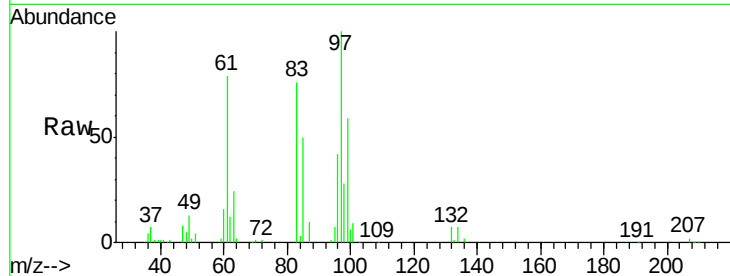
#55
 1,1,2-Trichloroethane
 Concen: 51.951 ug/l
 RT: 11.20 min Scan# 992
 Delta R.T. 0.01 min
 Lab File: VD062703.D
 Acq: 14 Jun 2019 11:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	275935
Ion	Ratio	Lower	Upper
97	100		
83	76.4	63.8	95.8
85	50.4	42.3	63.5
99	58.6	48.0	72.0

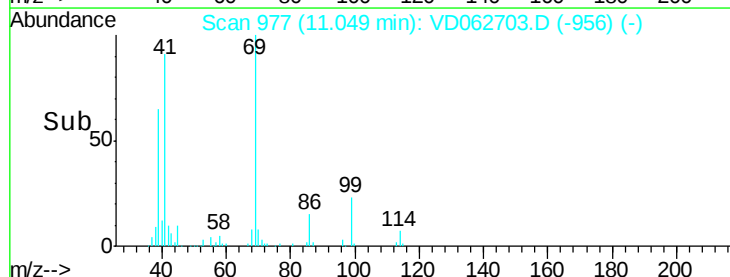
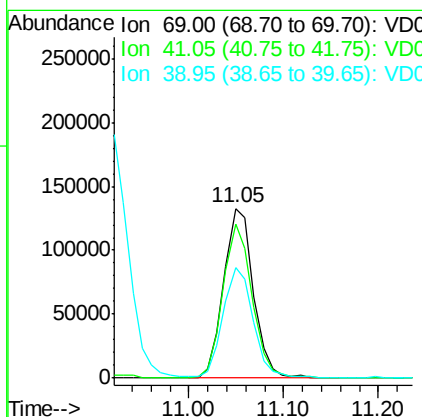
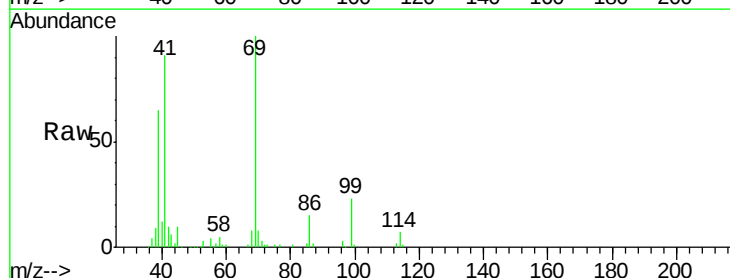
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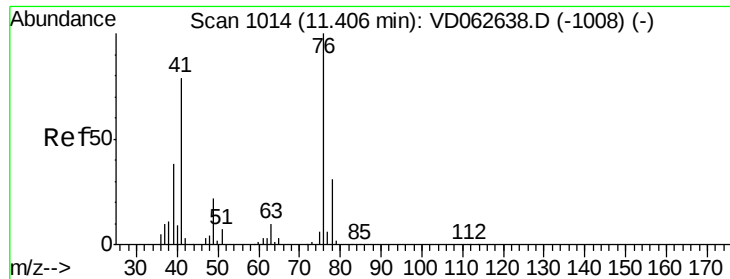
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#56
 Ethyl methacrylate
 Concen: 45.604 ug/l
 RT: 11.05 min Scan# 977
 Delta R.T. 0.01 min
 Lab File: VD062703.D
 Acq: 14 Jun 2019 11:23

Tgt Ion:	69	Resp:	289445
Ion	Ratio	Lower	Upper
69	100		
41	90.8	66.2	99.4
39	65.2	53.8	80.8





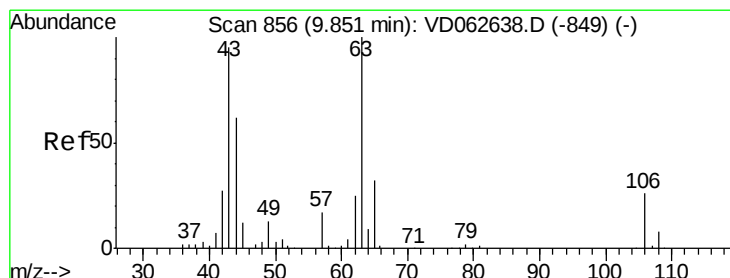
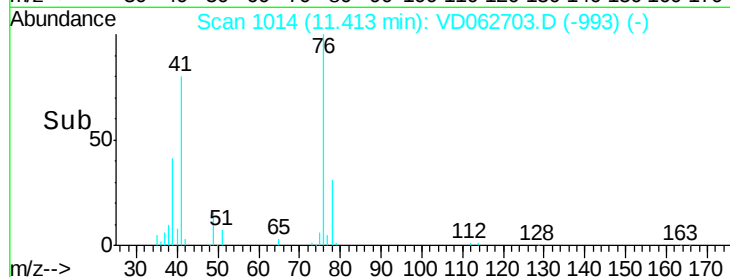
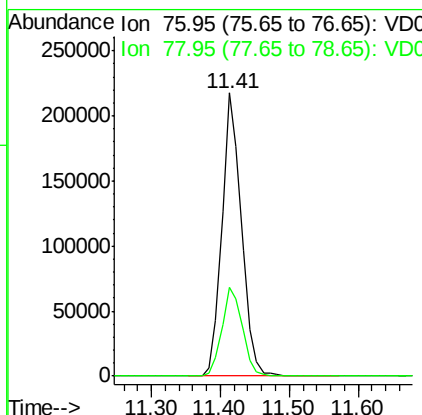
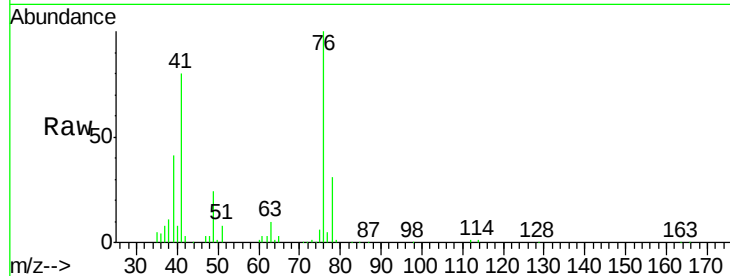
#57
 1,3-Dichloropropane
 Concen: 52.068 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. 0.01 min
 Lab File: VD062703.D
 Acq: 14 Jun 2019 11:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 428641
 Ion Ratio Lower Upper
 76 100
 78 31.4 24.9 37.3

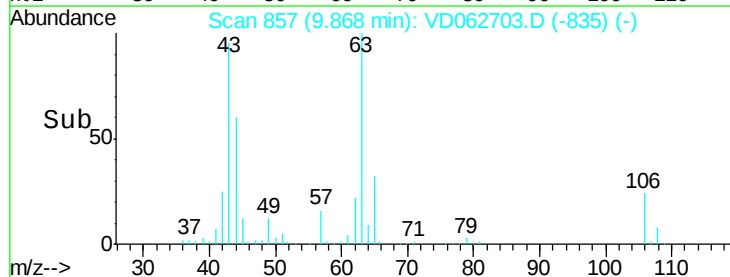
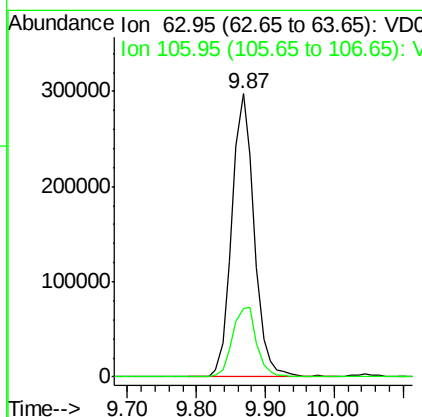
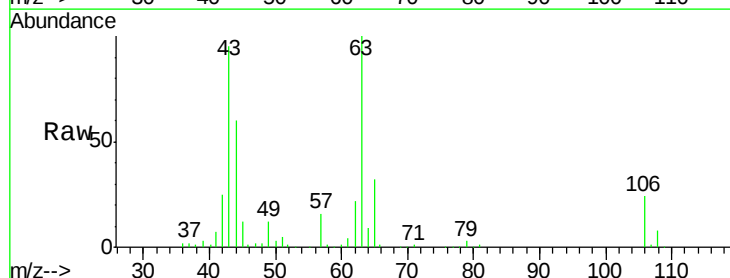
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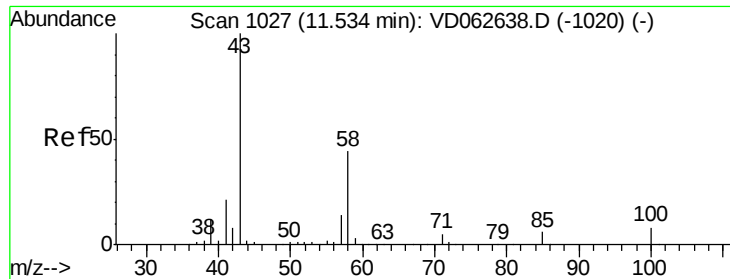
MMDadoda
 6/18/2019 1:07:55 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 235.994 ug/l
 RT: 9.87 min Scan# 857
 Delta R.T. 0.02 min
 Lab File: VD062703.D
 Acq: 14 Jun 2019 11:23

Tgt Ion: 63 Resp: 669952
 Ion Ratio Lower Upper
 63 100
 106 24.0 20.5 30.7





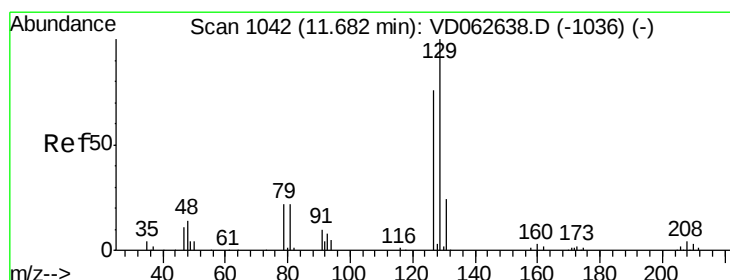
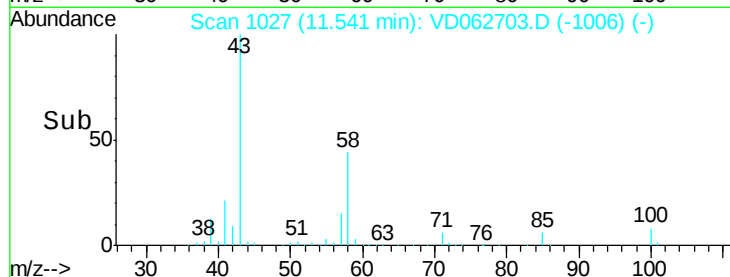
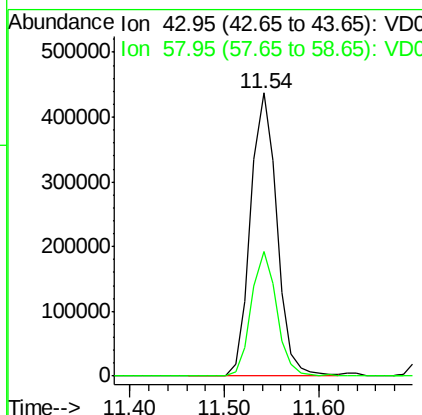
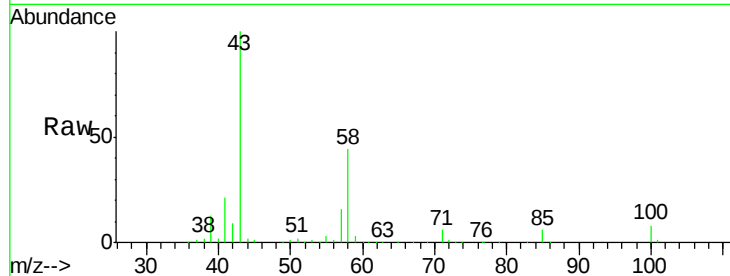
#59
2-Hexanone
Concen: 262.102 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD062703.D
Acq: 14 Jun 2019 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 849285
Ion Ratio Lower Upper
43 100
58 44.0 21.8 65.4

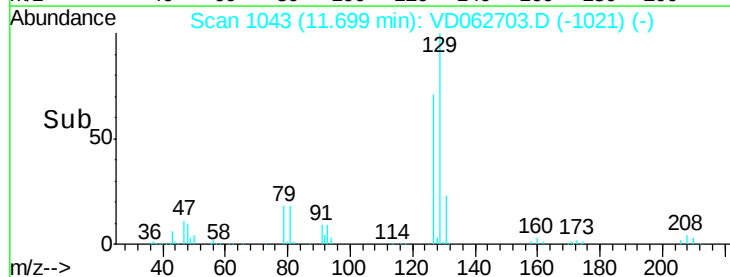
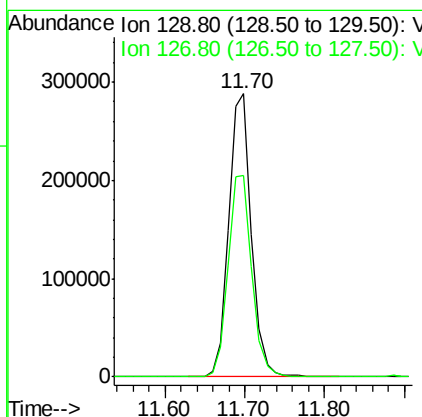
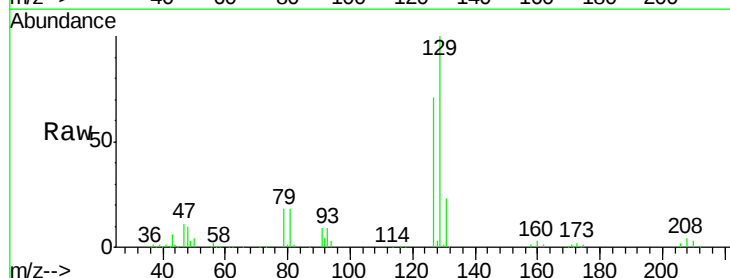
Manual Integrations
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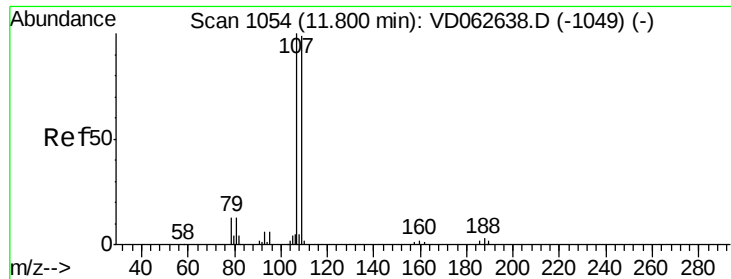
MMDadoda
6/18/2019 1:07:55 AM



#60
Dibromochloromethane
Concen: 54.857 ug/l
RT: 11.70 min Scan# 1043
Delta R.T. 0.02 min
Lab File: VD062703.D
Acq: 14 Jun 2019 11:23

Tgt Ion: 129 Resp: 575170
Ion Ratio Lower Upper
129 100
127 71.2 38.0 114.1





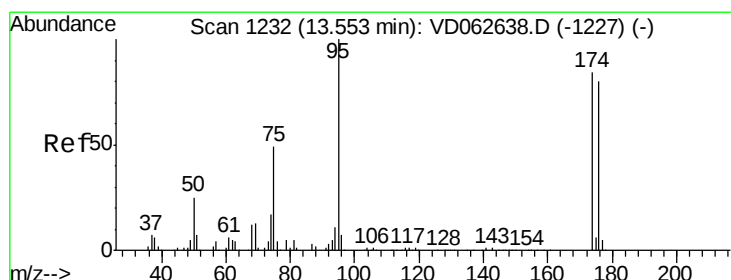
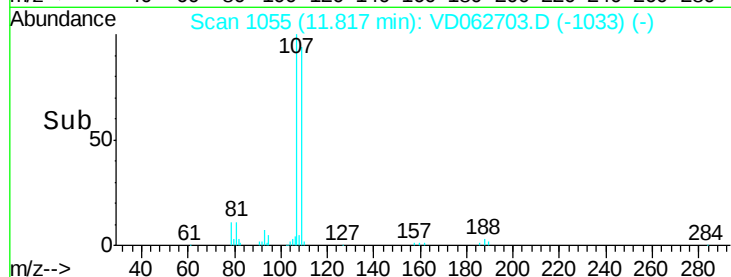
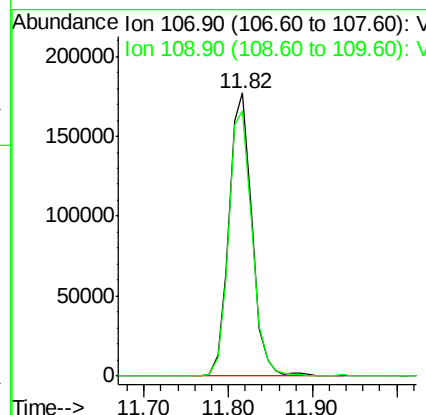
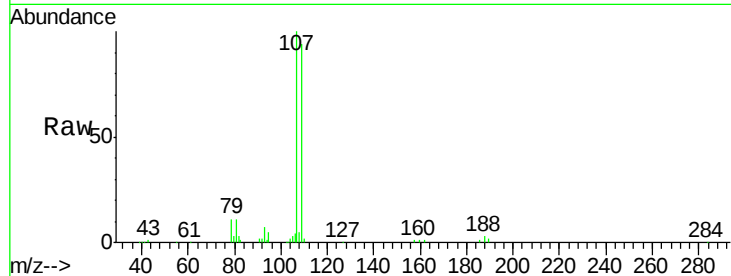
#61
 1,2-Dibromoethane
 Concen: 52.759 ug/l
 RT: 11.82 min Scan# 1055
 Delta R.T. 0.02 min
 Lab File: VD062703.D
 Acq: 14 Jun 2019 11:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	79.2	118.8

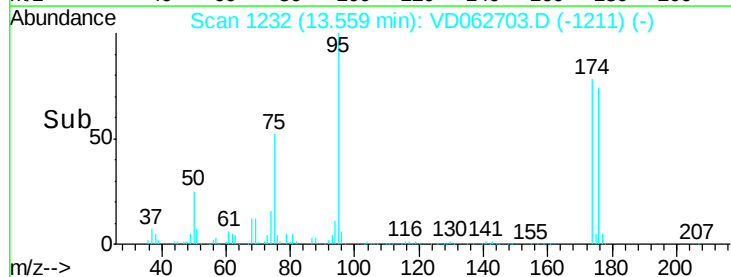
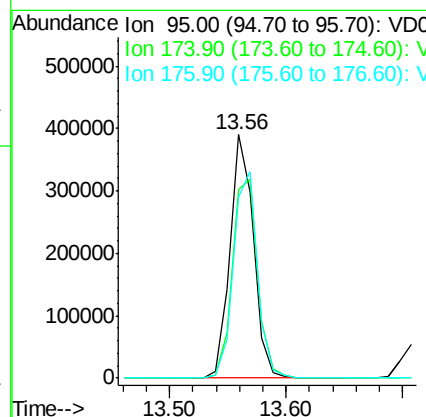
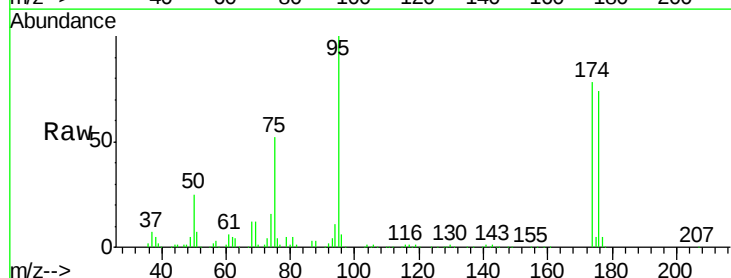
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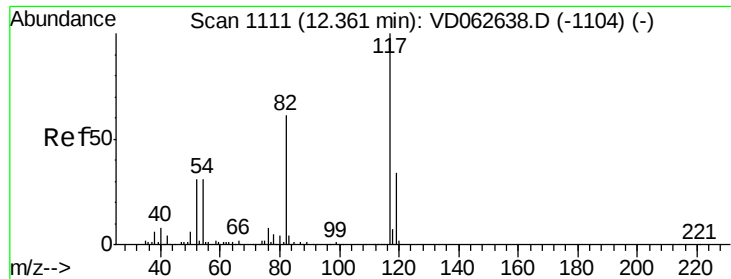
MMDadoda
 6/18/2019 1:07:55 AM



#62
 4-Bromofluorobenzene
 Concen: 50.927 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.01 min
 Lab File: VD062703.D
 Acq: 14 Jun 2019 11:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.6	0.0	167.0
176	74.3	0.0	159.2





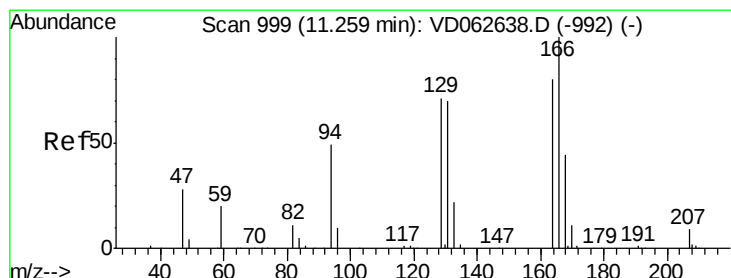
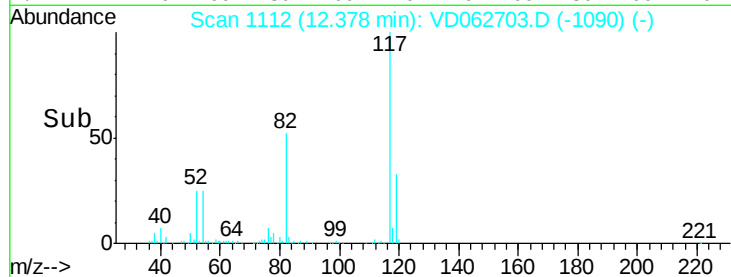
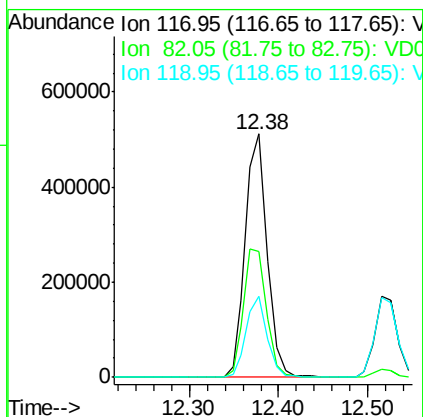
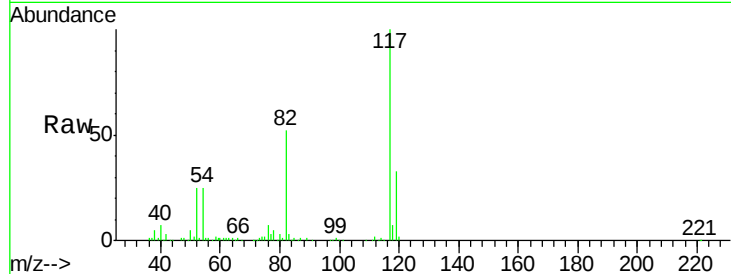
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VD062703.D
Acq: 14 Jun 2019 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	872165		
82	51.7		48.7	73.1
119	33.3		27.0	40.6

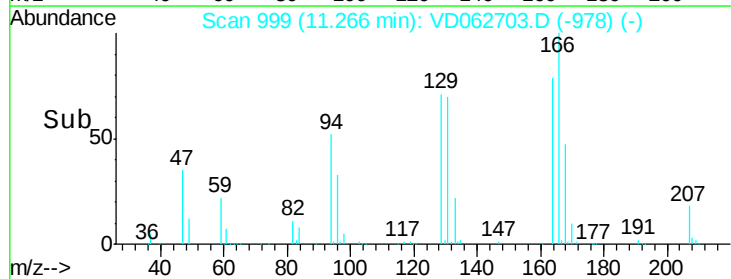
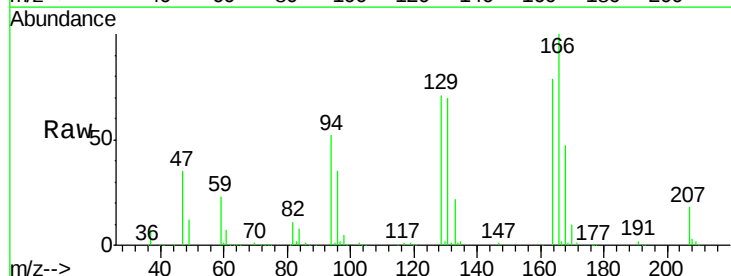
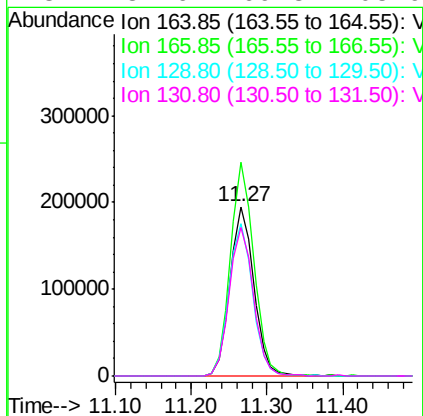
Manual Integrations
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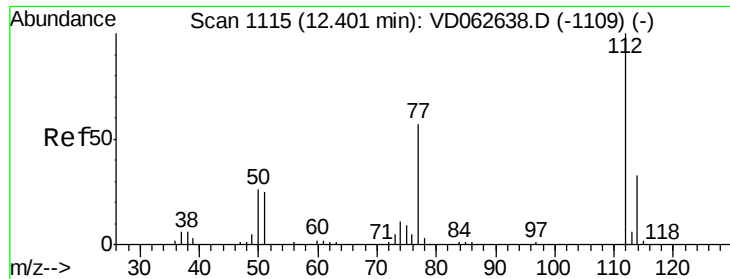
MMDadoda
6/18/2019 1:07:55 AM



#64
Tetrachloroethene
Concen: 51.880 ug/l
RT: 11.27 min Scan# 999
Delta R.T. 0.01 min
Lab File: VD062703.D
Acq: 14 Jun 2019 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	423570		
166	126.0		99.4	149.2
129	89.6		70.2	105.4
131	87.6		69.3	103.9





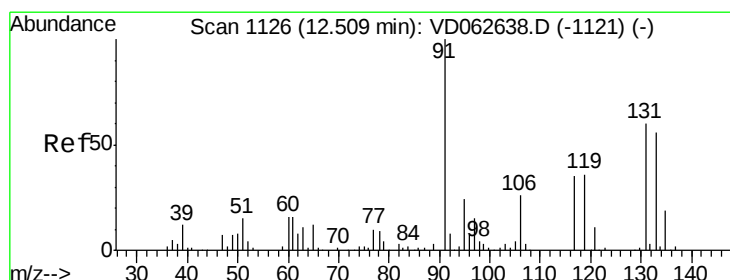
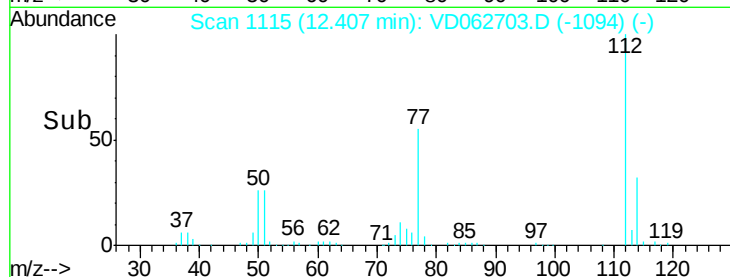
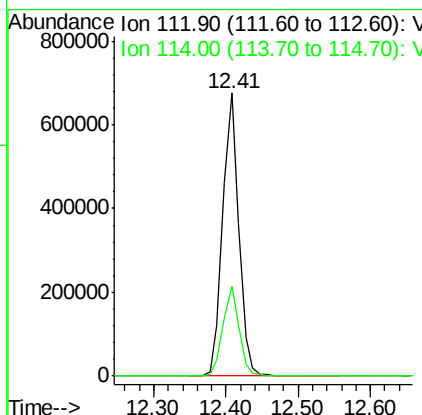
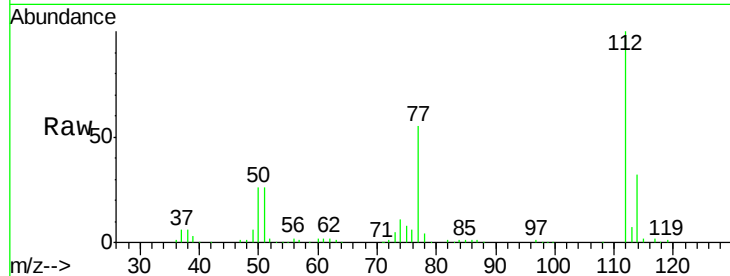
#65
Chlorobenzene
Concen: 53.982 ug/l
RT: 12.41 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD062703.D
Acq: 14 Jun 2019 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1041410
Ion Ratio Lower Upper
112 100
114 32.0 26.3 39.5

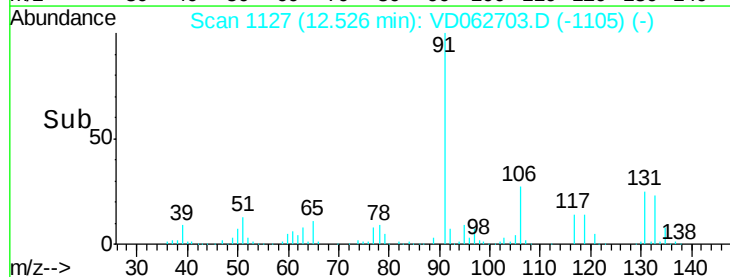
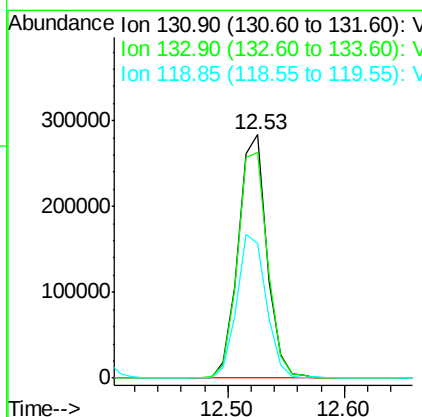
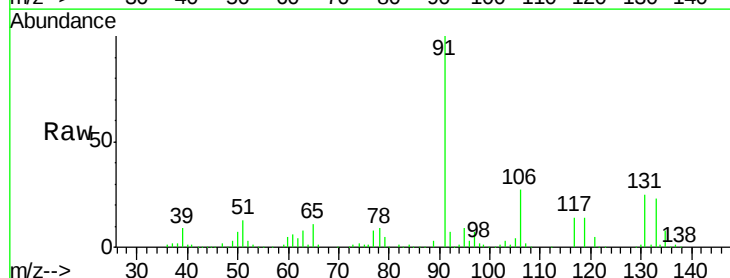
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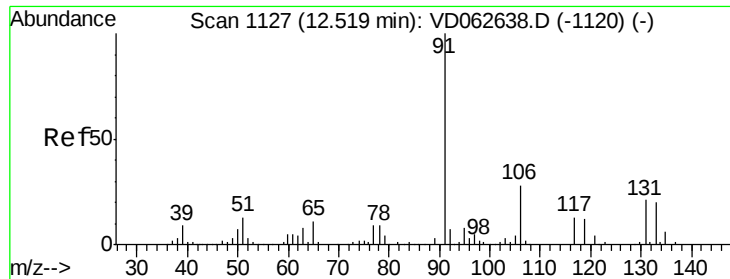
MMDadoda
6/18/2019 1:07:55 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.540 ug/l
RT: 12.53 min Scan# 1127
Delta R.T. 0.02 min
Lab File: VD062703.D
Acq: 14 Jun 2019 11:23

Tgt Ion:131 Resp: 483415
Ion Ratio Lower Upper
131 100
133 92.8 46.8 140.3
119 55.5 29.9 89.8





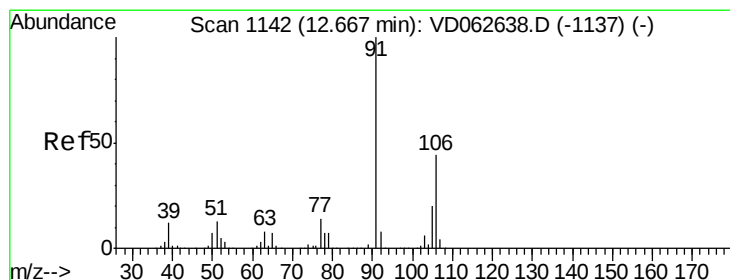
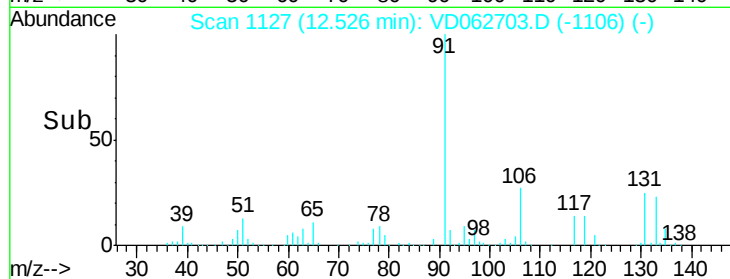
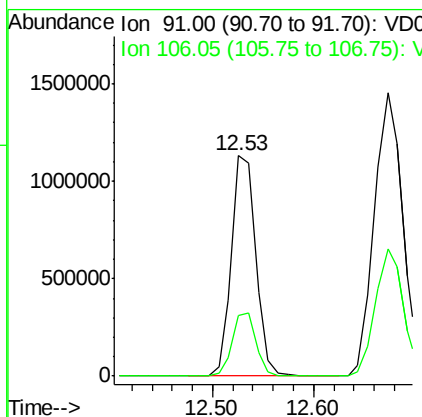
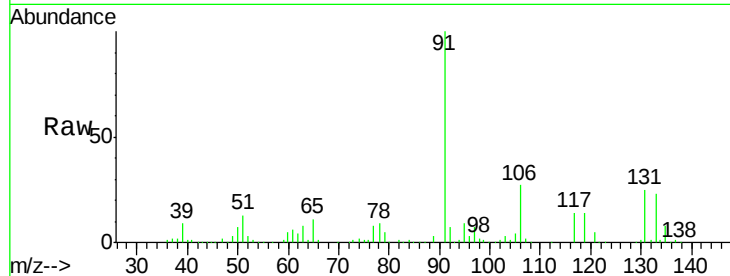
#67
Ethyl Benzene
Concen: 55.624 ug/l
RT: 12.53 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD062703.D
Acq: 14 Jun 2019 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1902618
Ion Ratio Lower Upper
91 100
106 27.4 22.1 33.1

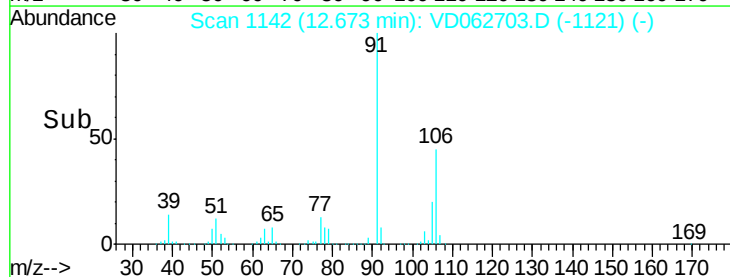
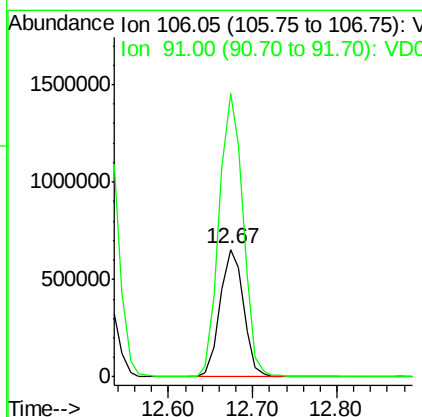
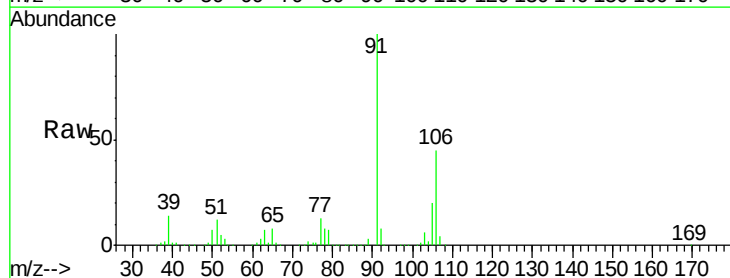
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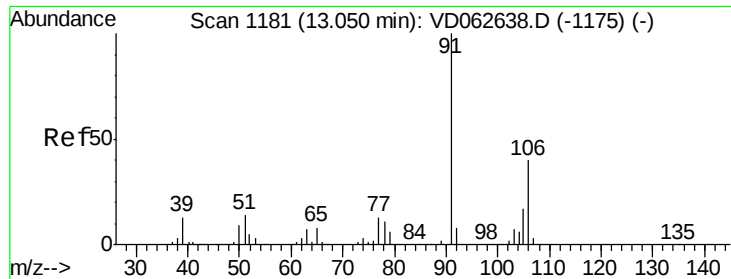
MMDadoda
6/18/2019 1:07:55 AM



#68
m/p-Xylenes
Concen: 105.856 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VD062703.D
Acq: 14 Jun 2019 11:23

Tgt Ion: 106 Resp: 1272914
Ion Ratio Lower Upper
106 100
91 222.1 180.2 270.4





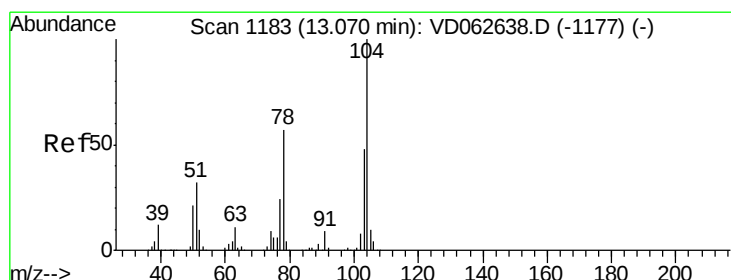
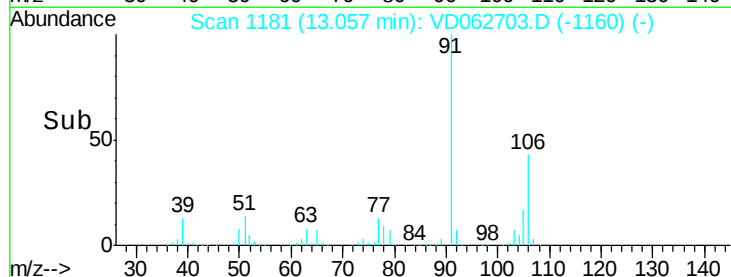
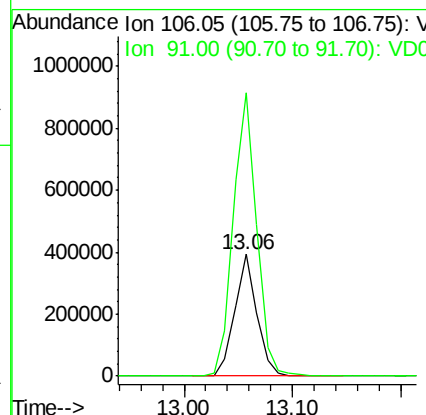
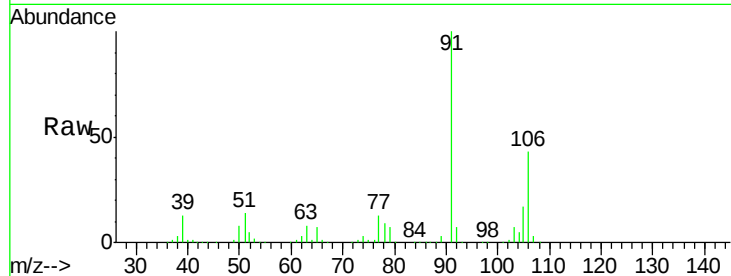
#69
o-Xylene
Concen: 50.934 ug/l
RT: 13.06 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD062703.D
Acq: 14 Jun 2019 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 562500
Ion Ratio Lower Upper
106 100
91 232.3 124.1 372.1

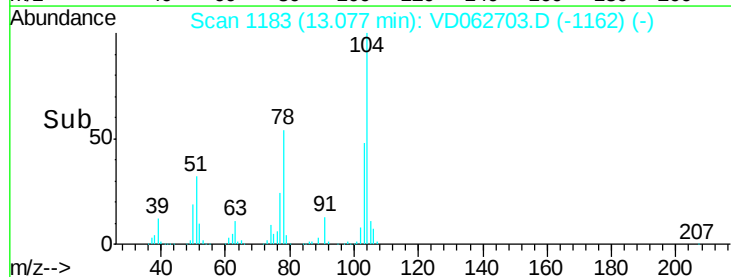
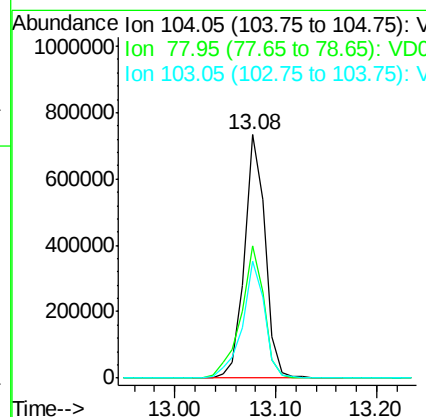
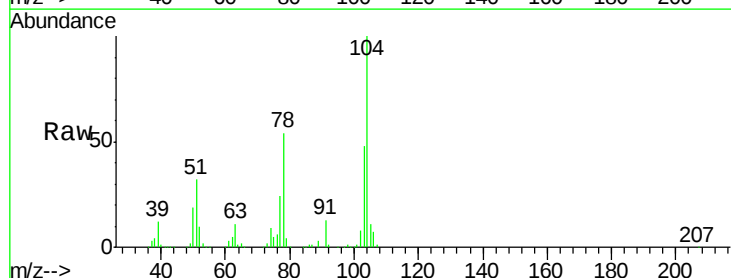
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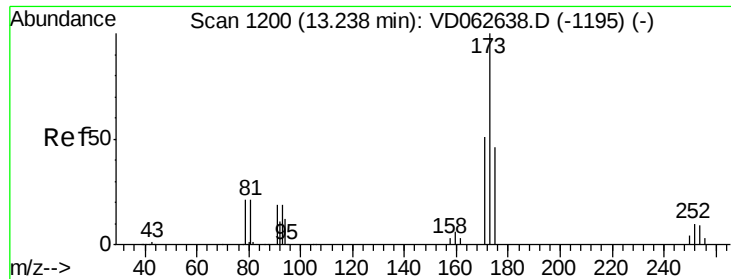
MMDadoda
6/18/2019 1:07:55 AM



#70
Styrene
Concen: 53.008 ug/l
RT: 13.08 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VD062703.D
Acq: 14 Jun 2019 11:23

Tgt Ion:104 Resp: 1044531
Ion Ratio Lower Upper
104 100
78 54.1 45.9 68.9
103 48.1 38.4 57.6





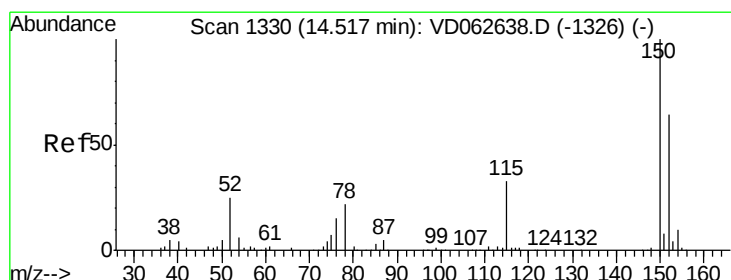
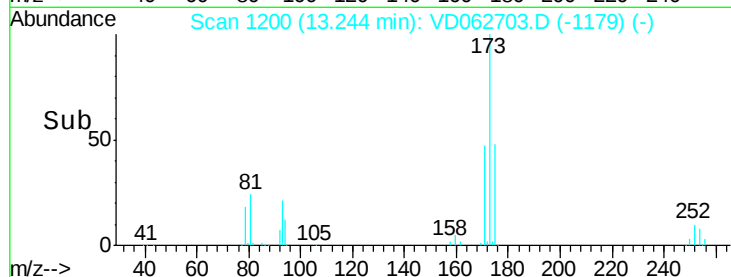
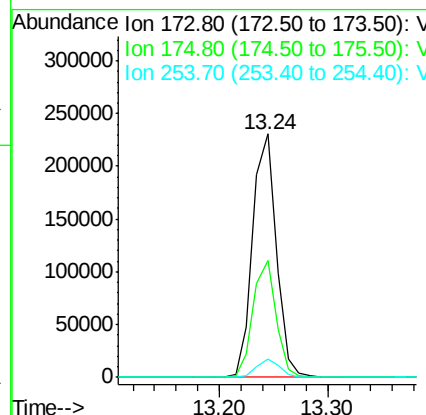
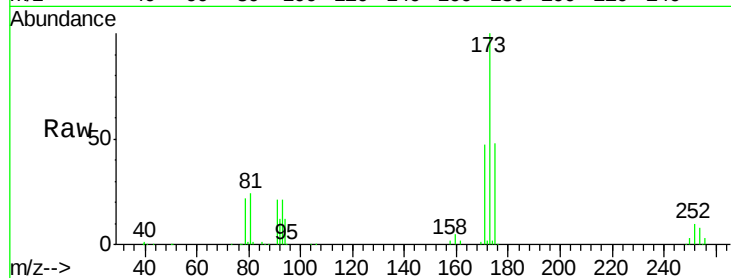
#71
Bromoform
Concen: 49.953 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VD062703.D
Acq: 14 Jun 2019 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	22.9	68.7
254	7.7	7.0	10.4

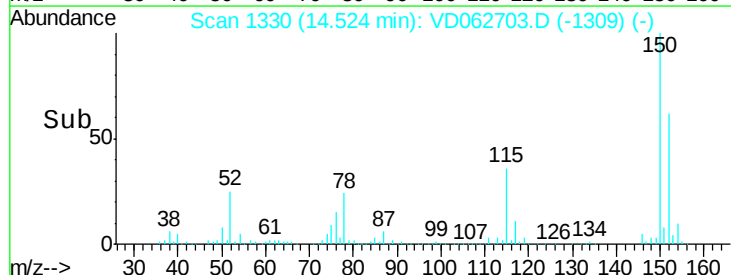
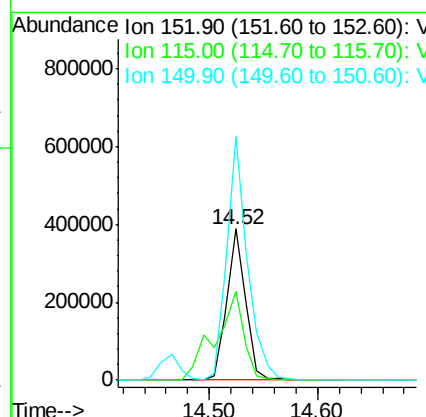
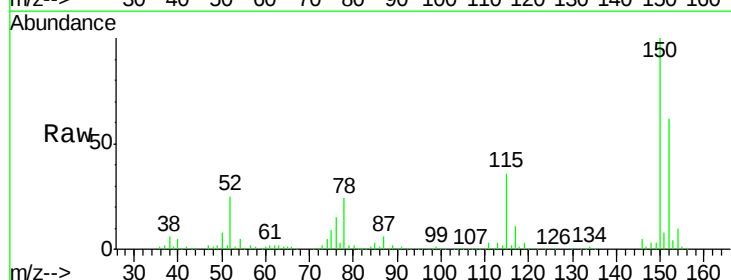
Manual Integrations
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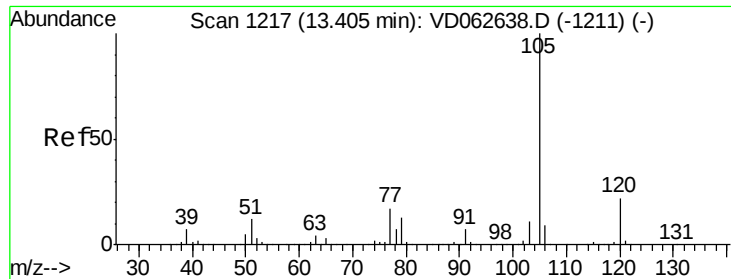
MMDadoda
6/18/2019 1:07:55 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VD062703.D
Acq: 14 Jun 2019 11:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.5	30.1	90.5
150	160.9	0.0	314.0





#73

Isopropylbenzene

Concen: 56.356 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD062703.D

Acq: 14 Jun 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1859616

Ion Ratio Lower Upper

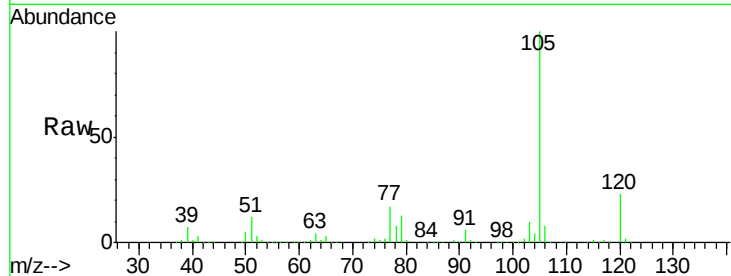
105 100

120 22.6 10.9 32.7

Manual Integrations
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MMDadoda

6/18/2019 1:07:55 AM



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

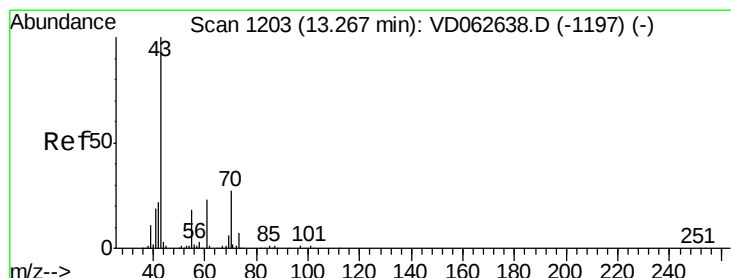
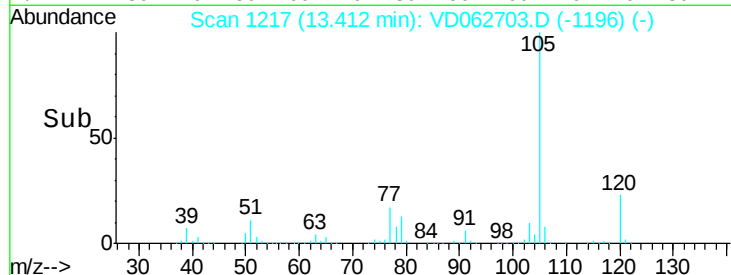
1500000

1000000

500000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 56.021 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD062703.D

Acq: 14 Jun 2019 11:23

Tgt Ion: 43 Resp: 499586

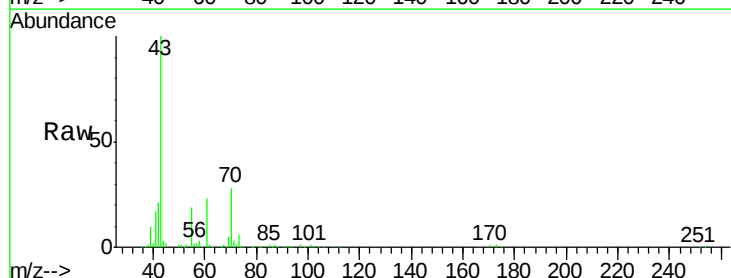
Ion Ratio Lower Upper

43 100

70 27.7 21.8 32.8

55 18.8 14.6 21.8

61 23.1 18.4 27.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

13.27

600000

500000

400000

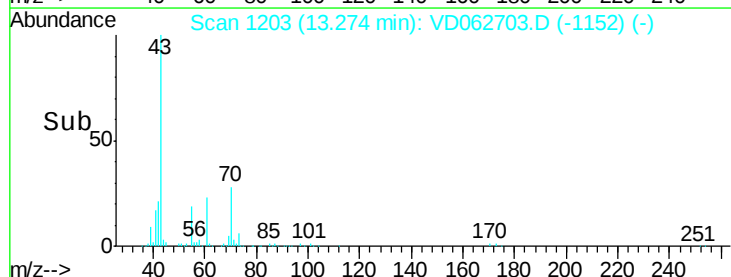
300000

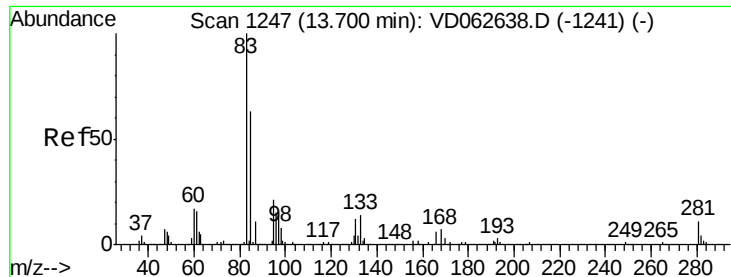
200000

100000

0

Time--> 13.20 13.30 13.40





#75

1,1,2,2-Tetrachloroethane

Concen: 57.704 ug/l

RT: 13.71 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD062703.D

Acq: 14 Jun 2019 11:23

Instrument :

MSVOA_D

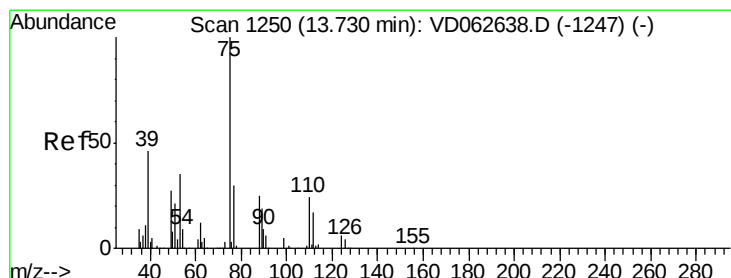
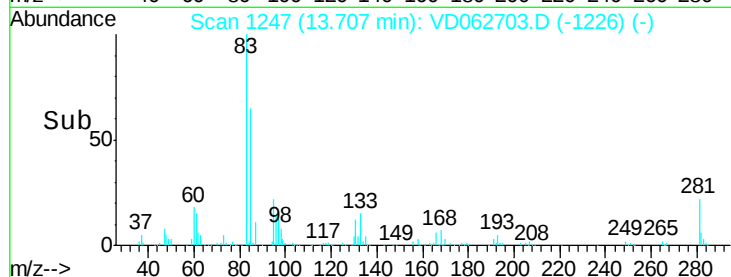
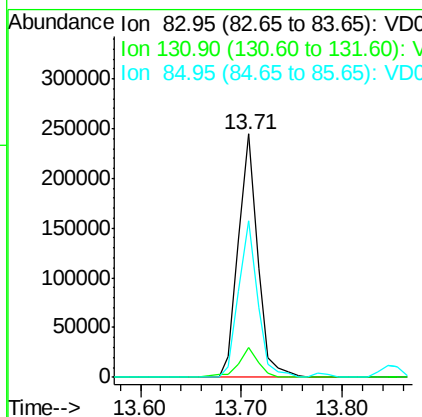
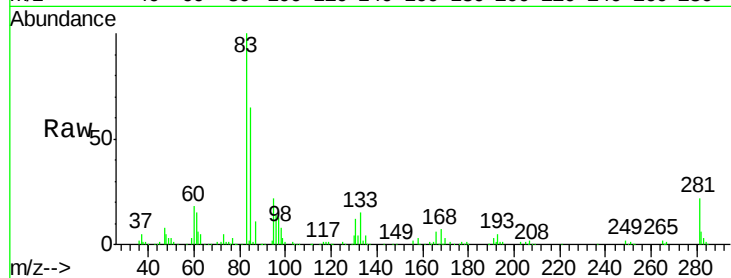
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	325804
Ion Ratio	Lower	Upper	
83	100		
131	12.3	5.9	17.7
85	64.6	31.3	93.9

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#76

1,2,3-Trichloropropane

Concen: 58.881 ug/l

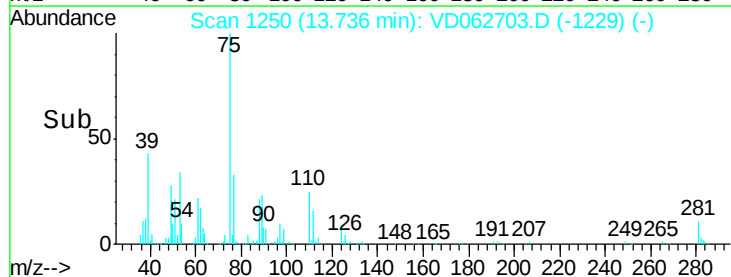
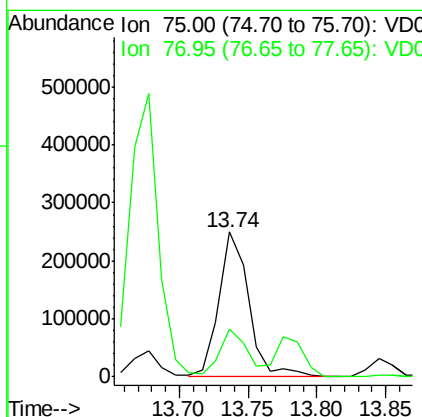
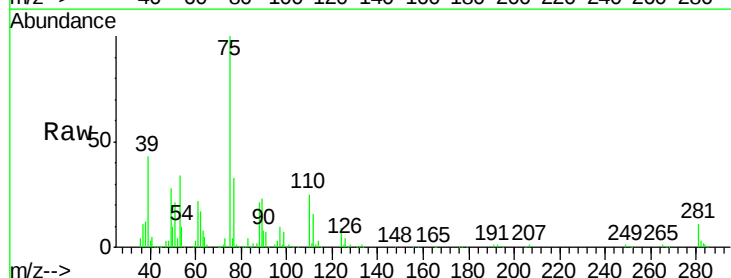
RT: 13.74 min Scan# 1250

Delta R.T. 0.01 min

Lab File: VD062703.D

Acq: 14 Jun 2019 11:23

Tgt Ion:	75	Resp:	373760
Ion Ratio	Lower	Upper	
75	100		
77	32.7	16.2	48.6





#77

Bromobenzene

Concen: 57.411 ug/l

RT: 13.68 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD062703.D

Acq: 14 Jun 2019 11:23

Instrument :

MSVOA_D

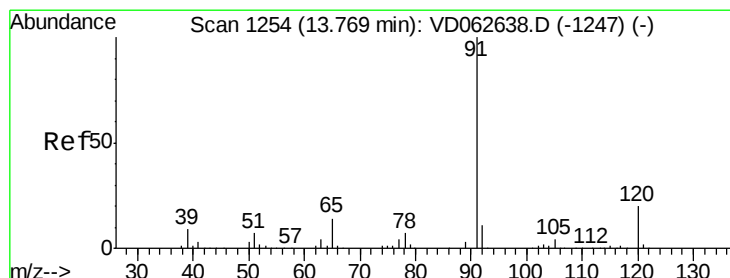
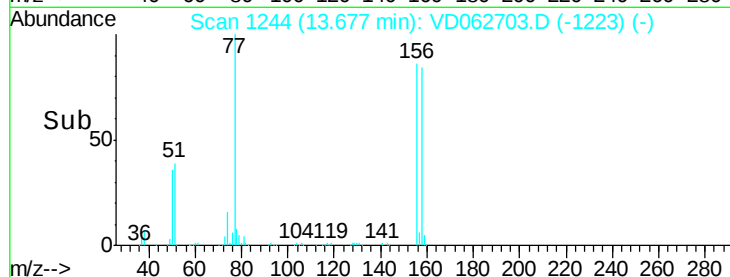
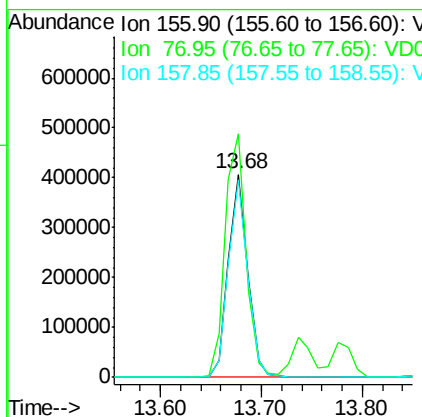
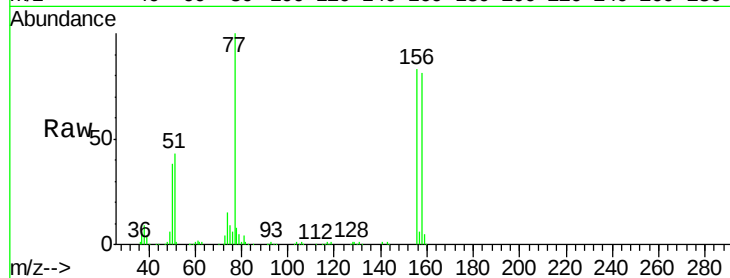
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	120.0	56.3	168.8
158	97.6	49.6	148.8

Manual Integrations
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#78

n-propylbenzene

Concen: 55.968 ug/l

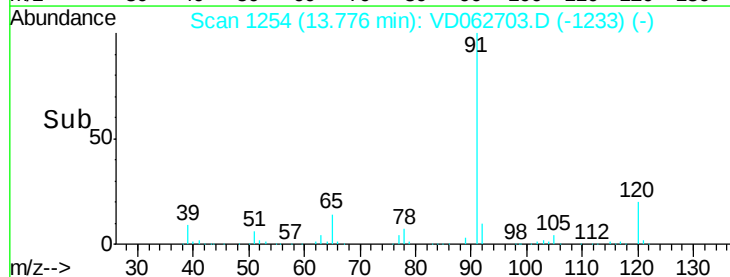
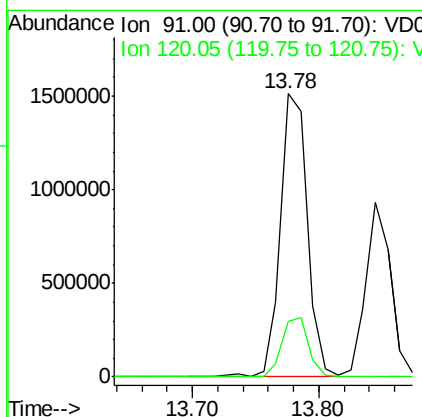
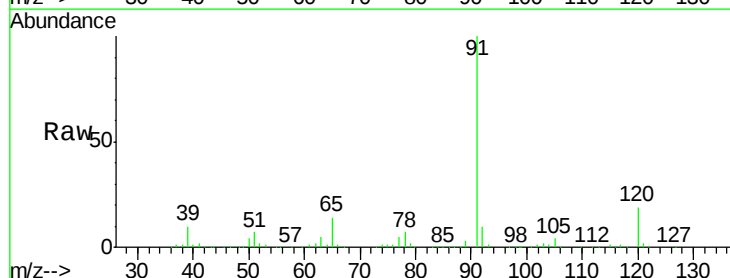
RT: 13.78 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VD062703.D

Acq: 14 Jun 2019 11:23

Tgt Ion	Ratio	Lower	Upper
91	100		
120	19.5	9.8	29.5





#79

2-Chlorotoluene

Concen: 54.170 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.01 min

Lab File: VD062703.D

Acq: 14 Jun 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1281115

Ion Ratio Lower Upper

91 100

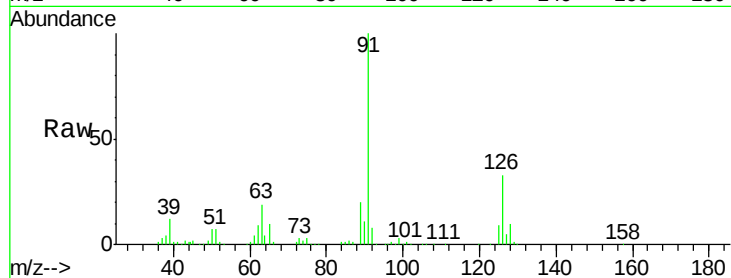
126 32.8 15.8 47.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VD062638.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD062638.D (-1258) (-)

1500000

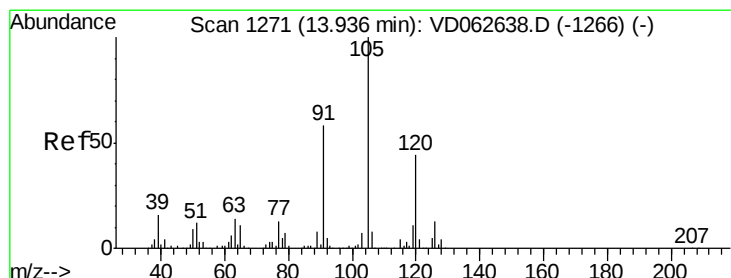
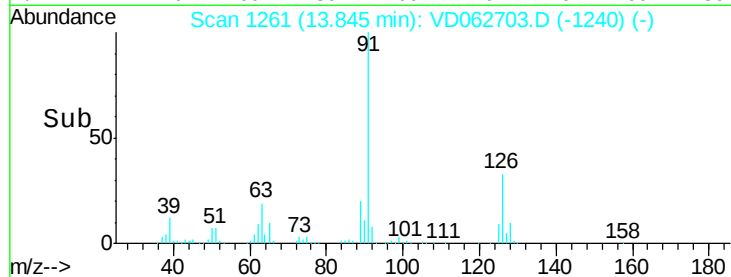
1000000

500000

0

13.80 13.85 13.90

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 55.822 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD062703.D

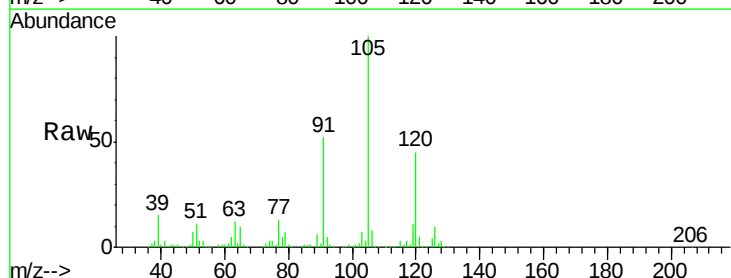
Acq: 14 Jun 2019 11:23

Tgt Ion:105 Resp: 1627930

Ion Ratio Lower Upper

105 100

120 44.7 22.1 66.5



Abundance Ion 105.05 (104.75 to 105.75): VD062638.D (-1266) (-)

Ion 120.05 (119.75 to 120.75): VD062638.D (-1266) (-)

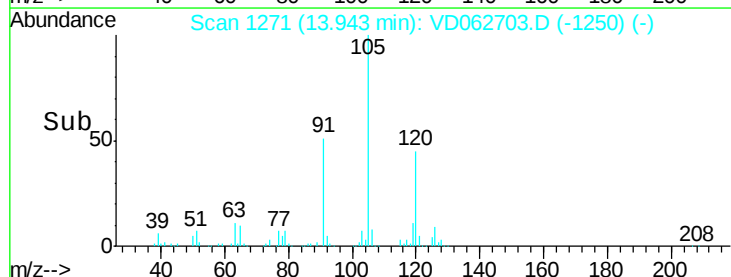
1000000

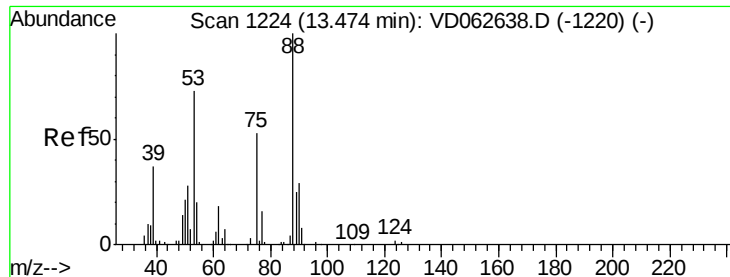
500000

0

13.80 13.90 14.00 14.10

Time-->





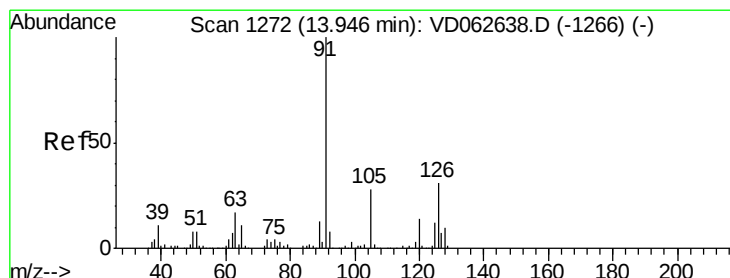
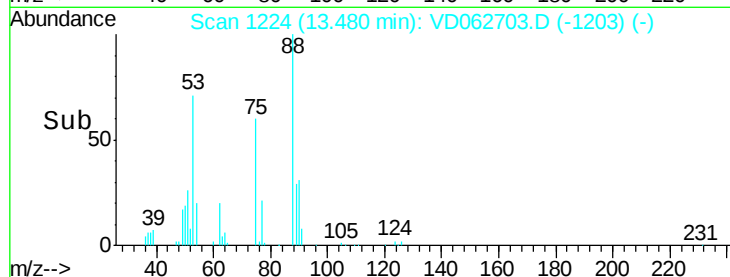
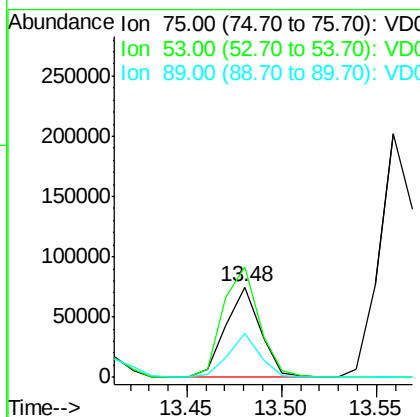
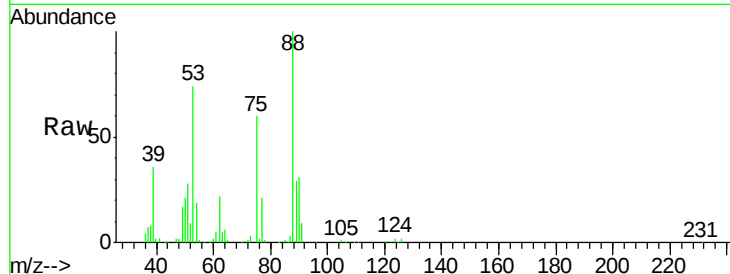
#81
trans-1,4-Dichloro-2-butene
Concen: 50.871 ug/l
RT: 13.48 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VD062703.D
Acq: 14 Jun 2019 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	122.5	109.4	164.2
89	47.8	37.0	55.6

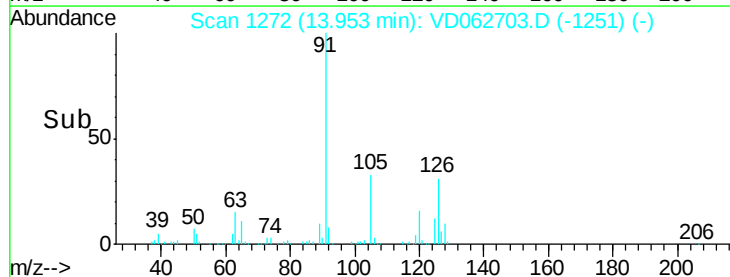
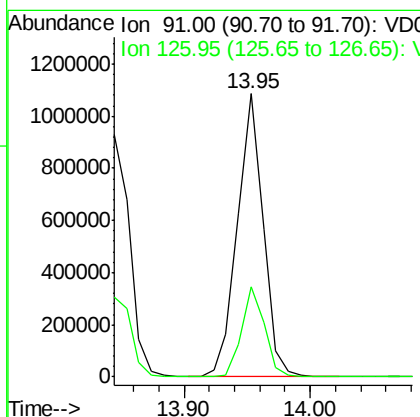
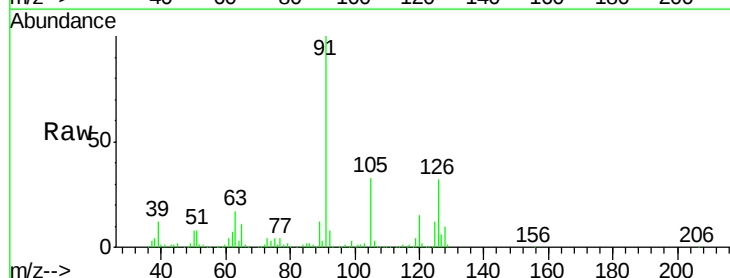
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#82
4-Chlorotoluene
Concen: 53.813 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VD062703.D
Acq: 14 Jun 2019 11:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.6	46.8





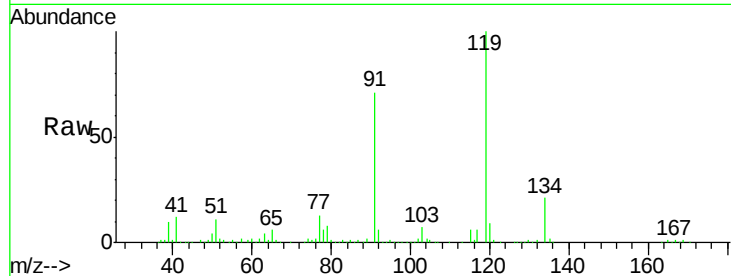
#83
tert-Butylbenzene
Concen: 58.952 ug/l
RT: 14.20 min Scan# 1297
Delta R.T. 0.01 min
Lab File: VD062703.D
Acq: 14 Jun 2019 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

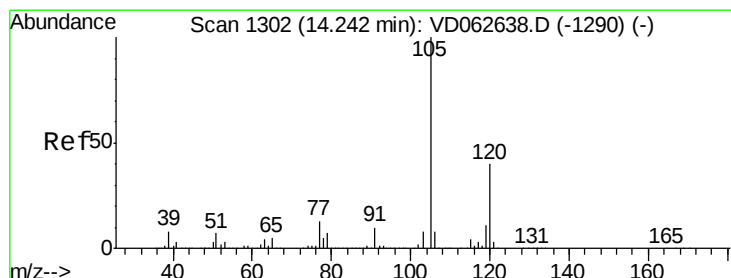
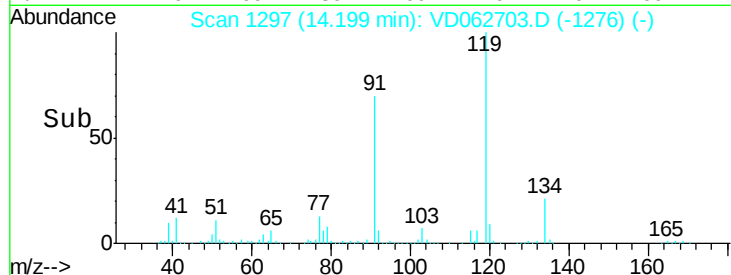
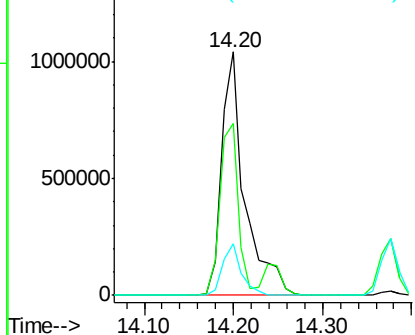
Tot Ion:119 Resp: 1896201
Ion Ratio Lower Upper
119 100
91 70.6 35.4 106.1
134 21.2 10.8 32.3

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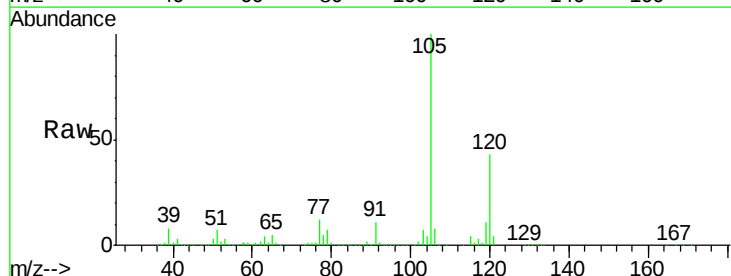


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

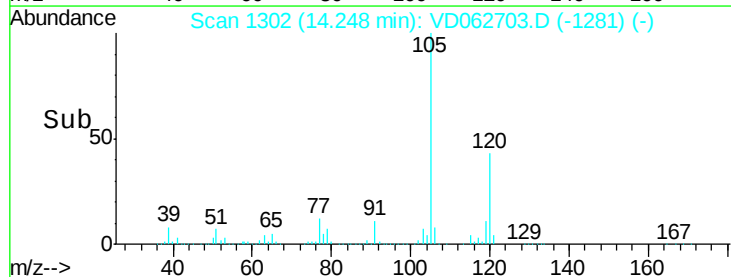
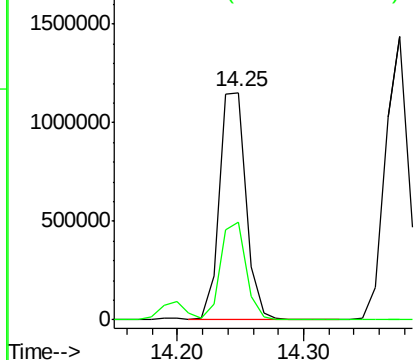


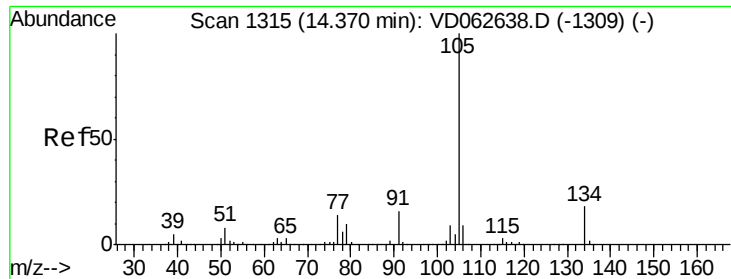
#84
1,2,4-Trimethylbenzene
Concen: 58.271 ug/l
RT: 14.25 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VD062703.D
Acq: 14 Jun 2019 11:23

Tgt Ion:105 Resp: 1682545
Ion Ratio Lower Upper
105 100
120 43.0 20.3 60.8



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 55.528 ug/l

RT: 14.38 min Scan# 1315

Delta R.T. 0.01 min

Lab File: VD062703.D

Acq: 14 Jun 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1872892

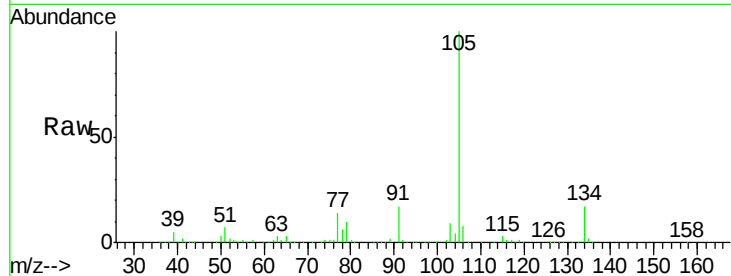
Ion Ratio Lower Upper

105 100

134 16.8 8.8 26.2

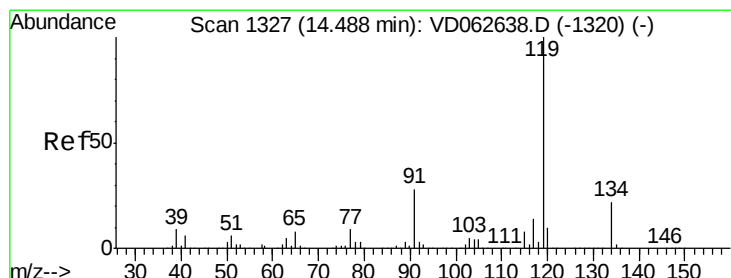
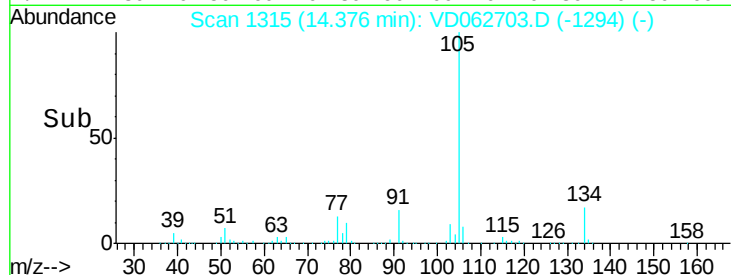
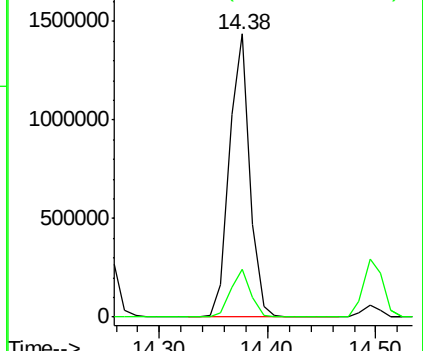
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 53.768 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.01 min

Lab File: VD062703.D

Acq: 14 Jun 2019 11:23

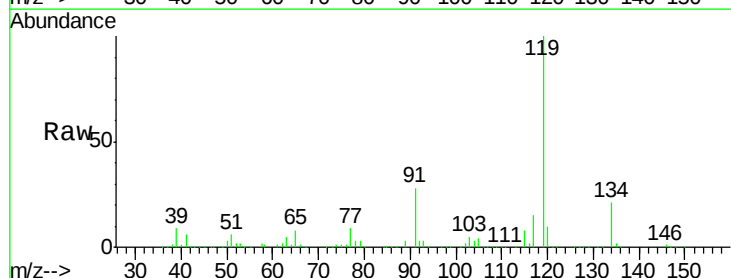
Tgt Ion:119 Resp: 1765707

Ion Ratio Lower Upper

119 100

134 20.9 10.9 32.6

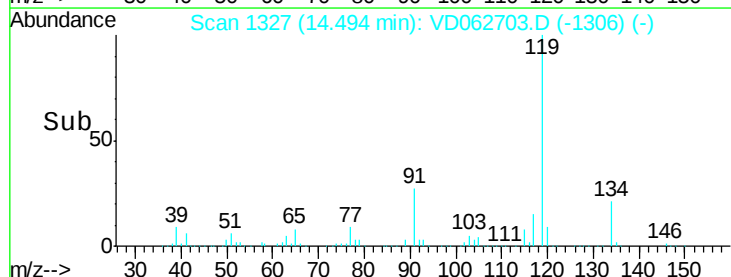
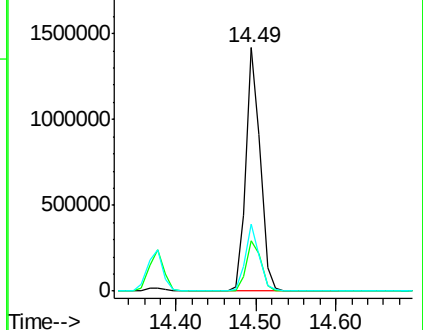
91 27.6 13.9 41.6

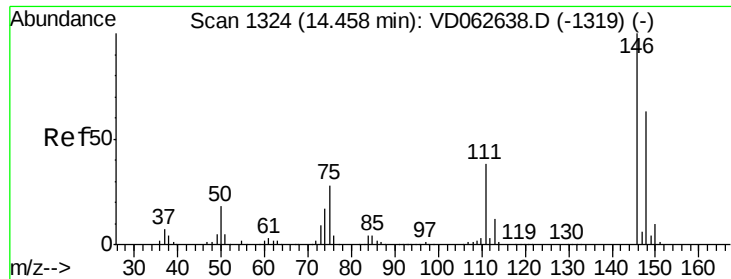


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





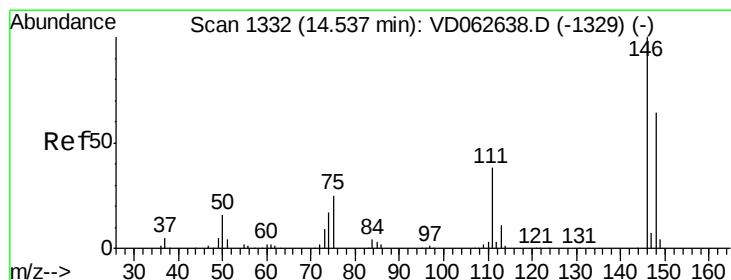
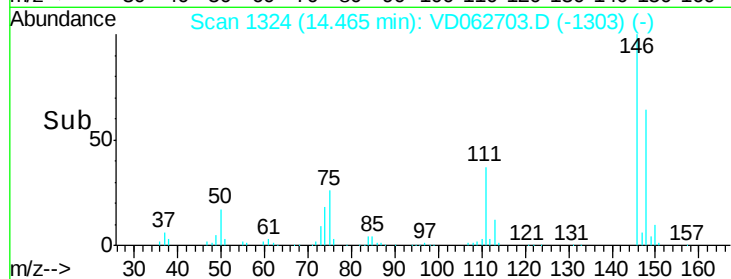
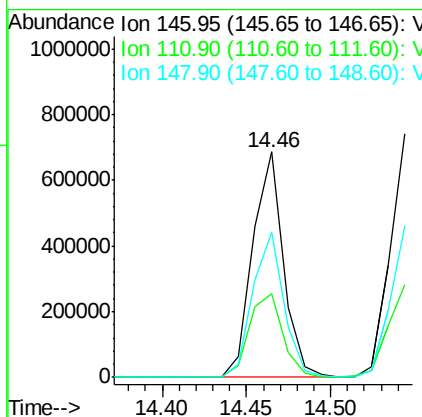
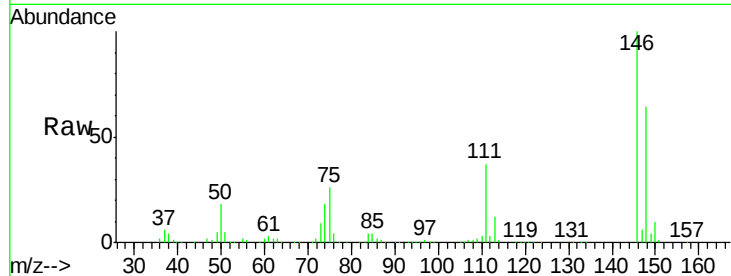
#87
 1,3-Dichlorobenzene
 Concen: 50.892 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD062703.D
 Acq: 14 Jun 2019 11:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	19.2	57.6
148	64.3	31.6	95.0

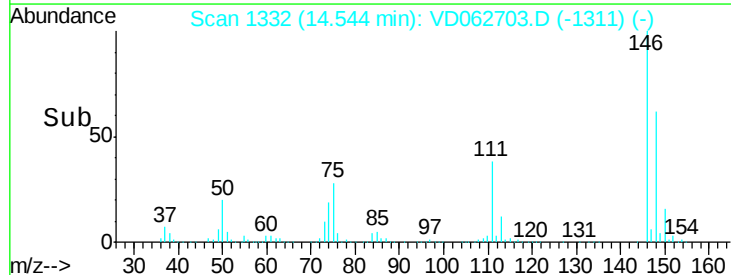
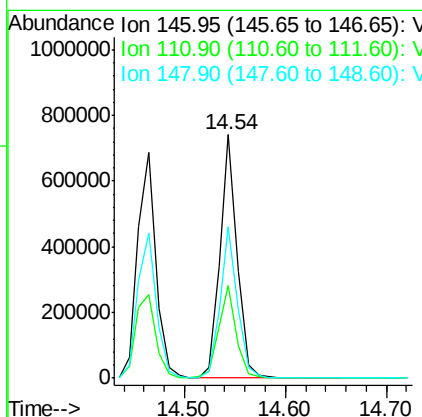
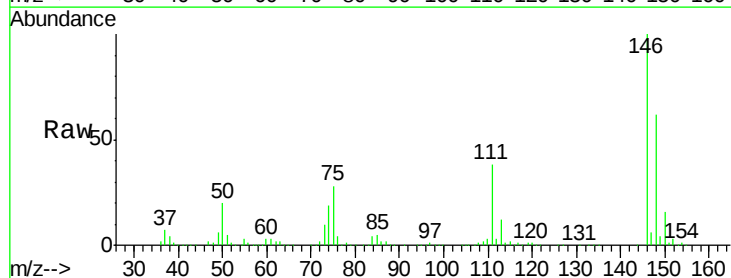
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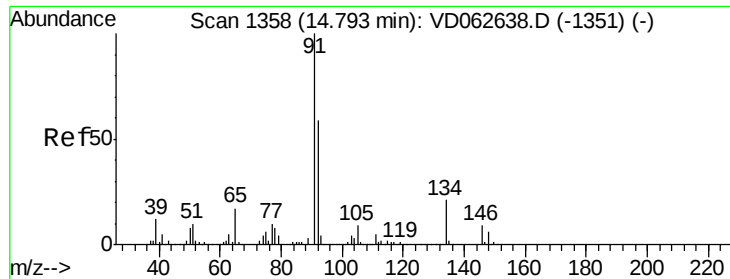
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#88
 1,4-Dichlorobenzene
 Concen: 54.934 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.01 min
 Lab File: VD062703.D
 Acq: 14 Jun 2019 11:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.9	56.7
148	62.4	32.3	96.8





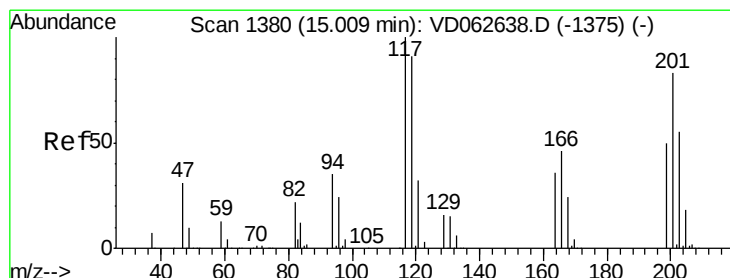
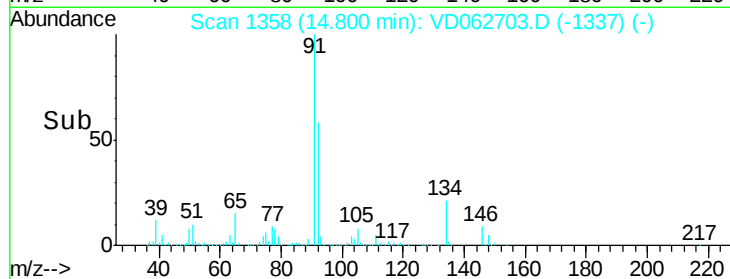
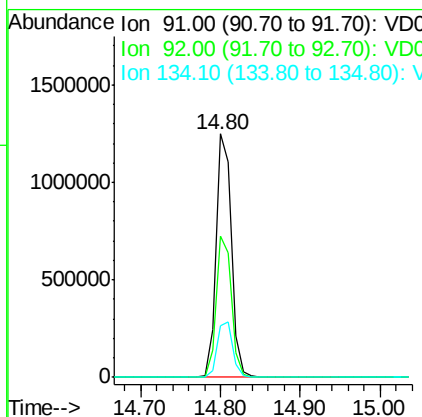
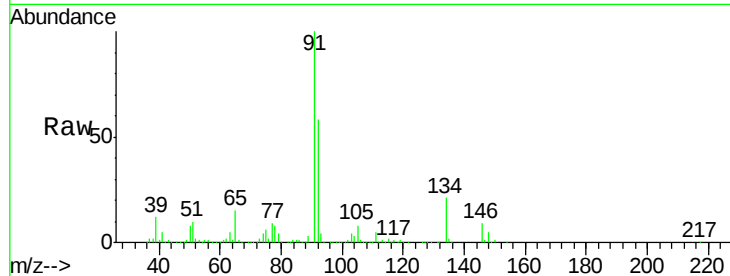
#89
n-Butylbenzene
Concen: 57.376 ug/l
RT: 14.80 min Scan# 1358
Delta R.T. 0.01 min
Lab File: VD062703.D
Acq: 14 Jun 2019 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1695064
Ion Ratio Lower Upper
91 100
92 57.9 29.4 88.3
134 21.2 10.4 31.2

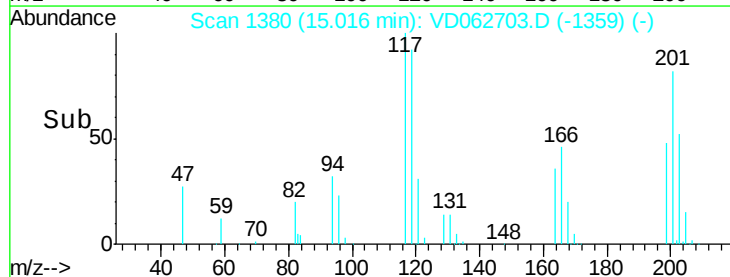
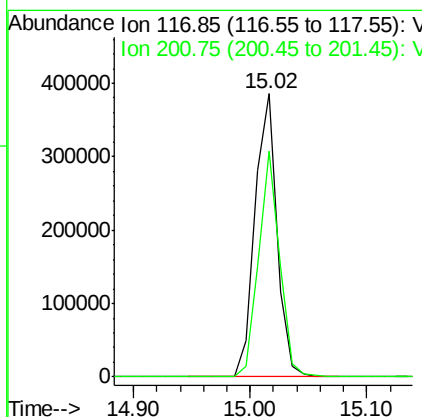
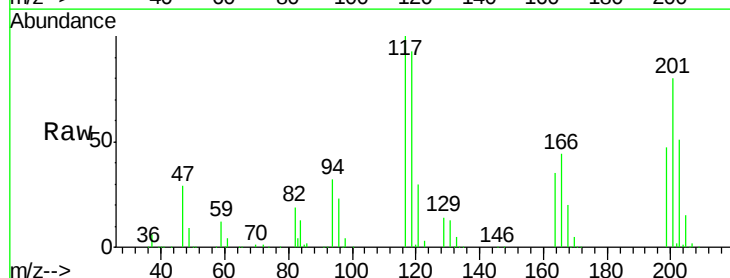
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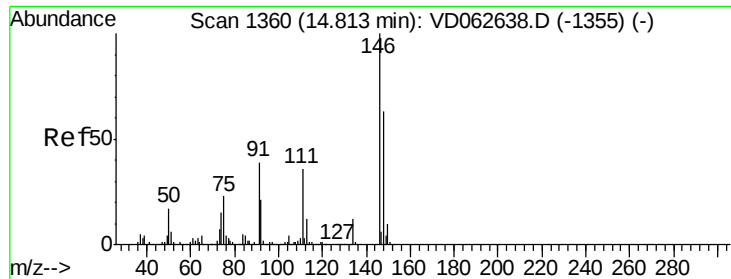
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#90
Hexachloroethane
Concen: 58.145 ug/l
RT: 15.02 min Scan# 1380
Delta R.T. 0.01 min
Lab File: VD062703.D
Acq: 14 Jun 2019 11:23

Tgt Ion: 117 Resp: 504087
Ion Ratio Lower Upper
117 100
201 79.8 41.5 124.6





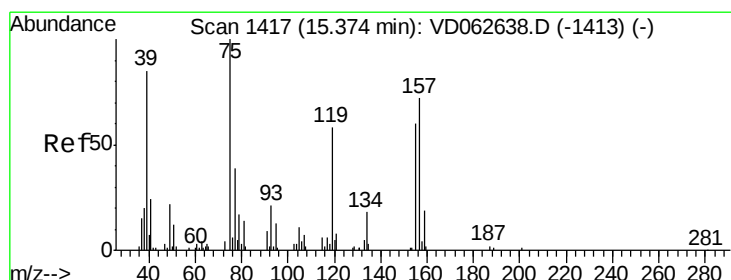
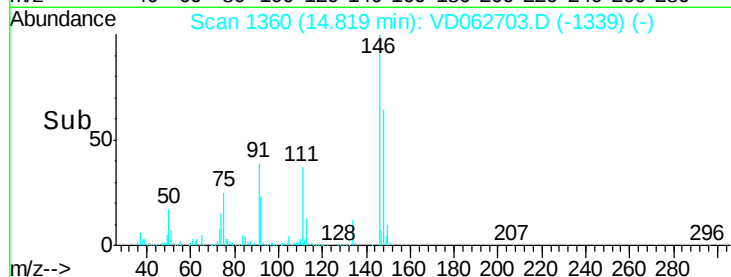
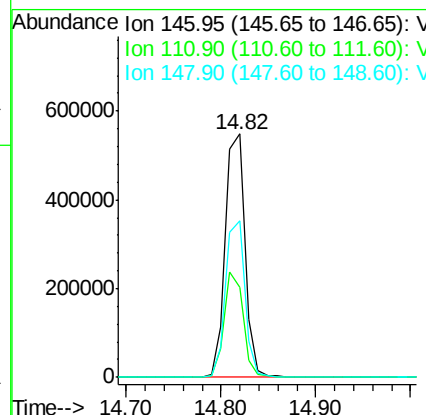
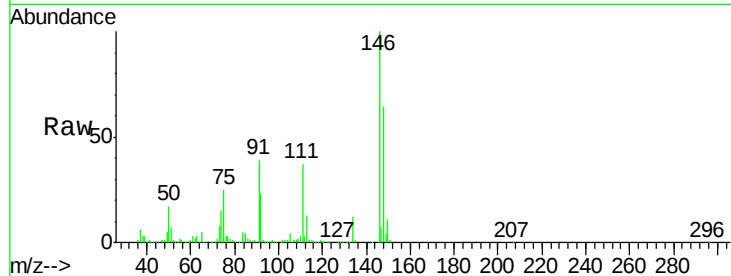
#91
 1,2-Dichlorobenzene
 Concen: 55.679 ug/l
 RT: 14.82 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD062703.D
 Acq: 14 Jun 2019 11:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.1	54.3
148	64.3	31.4	94.0

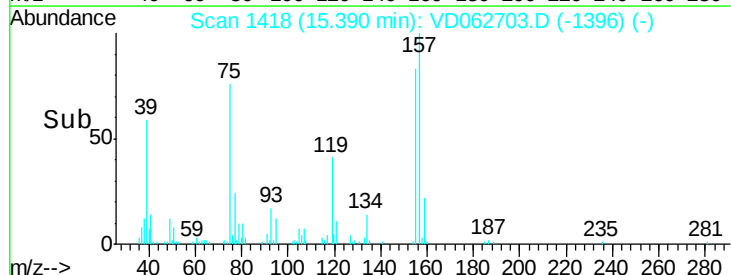
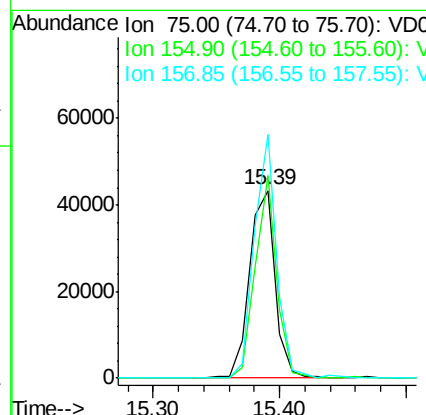
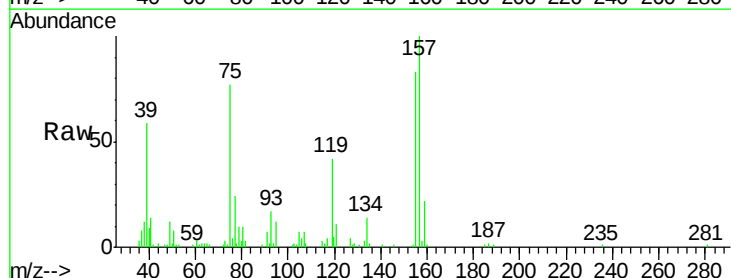
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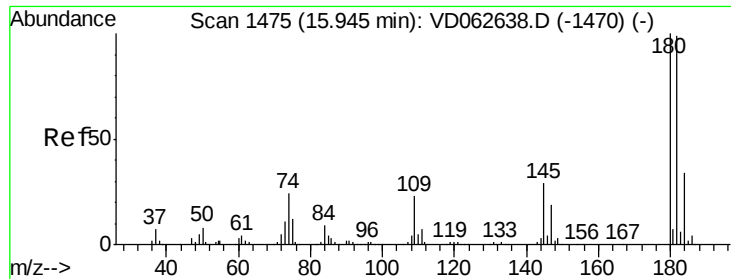
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.447 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.02 min
 Lab File: VD062703.D
 Acq: 14 Jun 2019 11:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	108.3	30.1	90.5#
157	129.7	35.9	107.8#





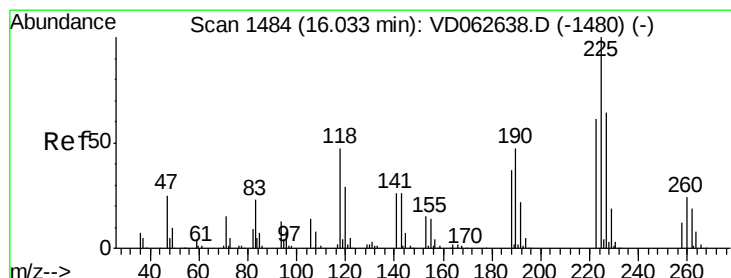
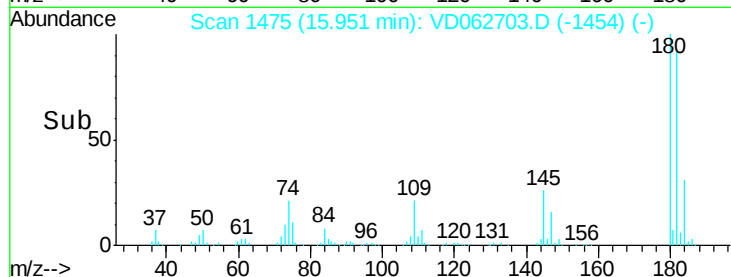
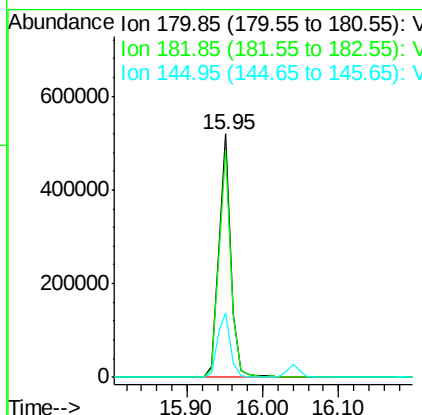
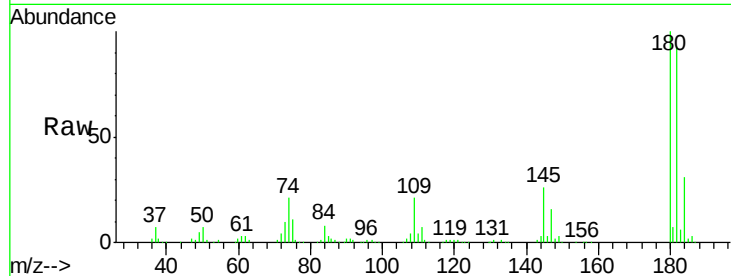
#93
 1,2,4-Trichlorobenzene
 Concen: 49.243 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VD062703.D
 Acq: 14 Jun 2019 11:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	592586		
182	93.2	49.4	148.2	
145	26.4	14.5	43.6	

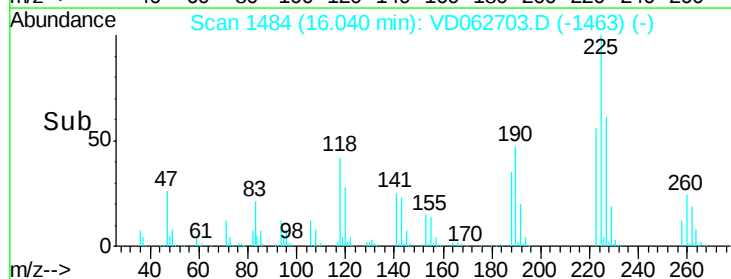
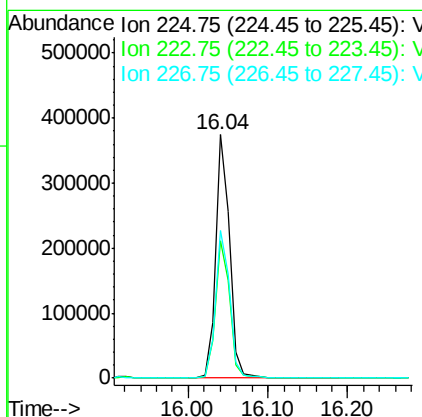
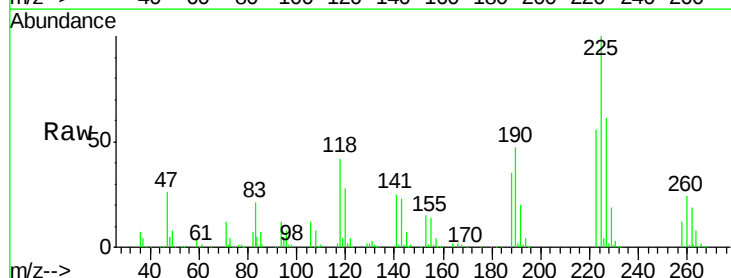
Manual Integrations
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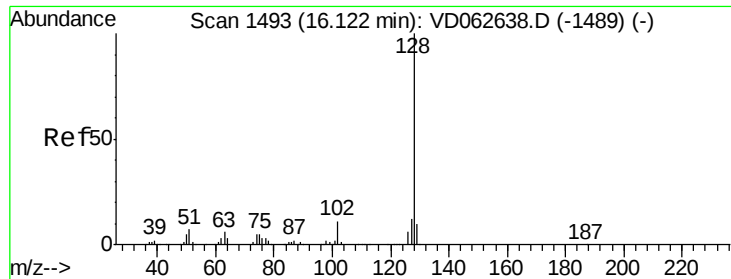
MMDadoda
 6/18/2019 1:07:55 AM



#94
 Hexachlorobutadiene
 Concen: 55.323 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: VD062703.D
 Acq: 14 Jun 2019 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	463906		
223	56.3	30.3	91.0	
227	60.7	31.8	95.4	





#95

Naphthalene

Concen: 50.050 ug/l

RT: 16.13 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VD062703.D

Acq: 14 Jun 2019 11:23

Instrument :

MSVOA_D

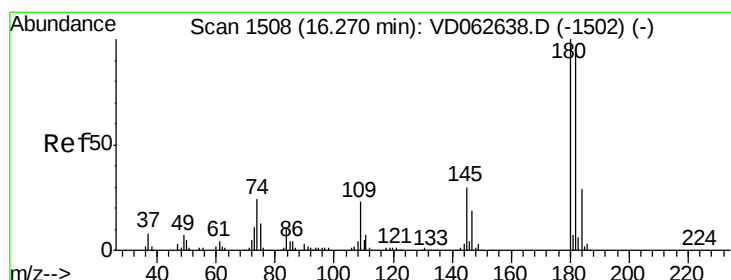
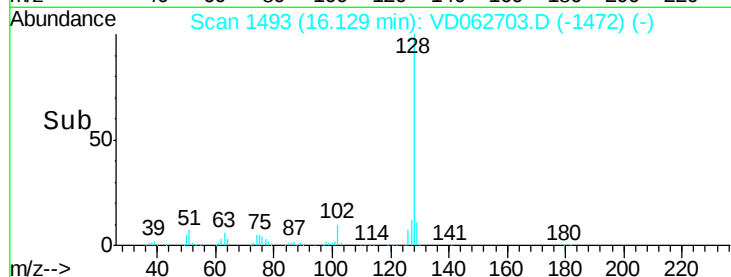
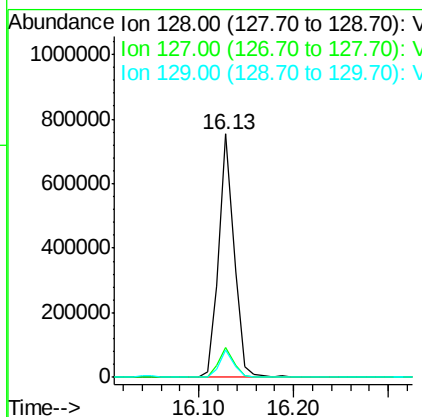
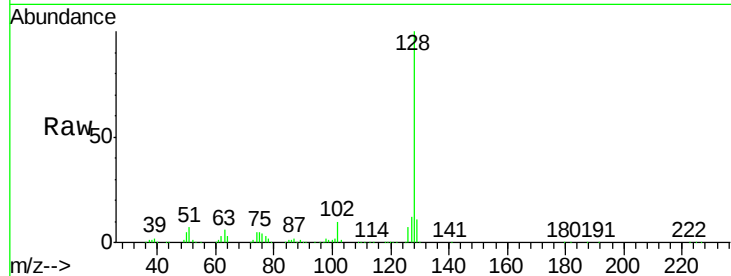
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	850245
Ion Ratio	Lower	Upper	
128	100		
127	12.1	9.7	14.5
129	11.1	8.1	12.1

Manual Integrations
APPROVED

MMDadoda
6/18/2019 1:07:55 AM



#96

1,2,3-Trichlorobenzene

Concen: 58.079 ug/l

RT: 16.28 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VD062703.D

Acq: 14 Jun 2019 11:23

Tgt Ion:	180	Resp:	475122
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.7	143.1
145	30.5	15.0	45.0

