

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050719\
 Data File : VD062140.D
 Acq On : 7 May 2019 13:34
 Operator : FY/SY
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

MMDadoda
 5/9/2019 12:56:34 AM

Quant Time: May 08 04:19:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 13:42:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	888556	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1257932	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1038983	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	526095	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.43	65	621564	73.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	146.94%	
35) Dibromofluoromethane	6.90	113	821427	72.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	144.38%	
50) Toluene-d8	10.39	98	1925785	68.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	137.92%	
62) 4-Bromofluorobenzene	13.55	95	789847	70.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	140.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	615936	71.646	ug/l	98
3) Chloromethane	1.73	50	445402	75.855	ug/l	96
4) Vinyl Chloride	1.84	62	451017	71.622	ug/l	99
5) Bromomethane	2.13	94	105958	70.245	ug/l	99
6) Chloroethane	2.24	64	205338	74.297	ug/l	99
7) Trichlorofluoromethane	2.51	101	860393	72.106	ug/l	98
8) Diethyl Ether	2.85	74	169236	73.646	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.13	101	620701	67.109	ug/l	96
10) Methyl Iodide	3.29	142	1007239	73.872	ug/l	95
11) Tert butyl alcohol	4.04	59	161239	394.531	ug/l	97
12) 1,1-Dichloroethene	3.11	96	492247	66.794	ug/l	95
13) Acrolein	3.01	56	145522	347.930	ug/l	99
14) Allyl chloride	3.60	41	716663	69.650	ug/l	88
15) Acrylonitrile	4.17	53	425072	390.095	ug/l	89
16) Acetone	3.20	43	616016	346.690	ug/l	92
17) Carbon Disulfide	3.35	76	1519541	75.270	ug/l	100
18) Methyl Acetate	3.62	43	218758	72.632	ug/l	92
19) Methyl tert-butyl Ether	4.21	73	1127172	76.789	ug/l	97
20) Methylene Chloride	3.80	84	516302	73.483	ug/l	97
21) trans-1,2-Dichloroethene	4.19	96	604690	75.475	ug/l	96
22) Diisopropyl ether	5.09	45	1570441	74.712	ug/l	97
23) Vinyl Acetate	5.03	43	4366870	379.803	ug/l	99
24) 1,1-Dichloroethane	4.96	63	962562	77.966	ug/l	99
25) 2-Butanone	6.04	43	723585	398.442	ug/l	98
26) 2,2-Dichloropropane	6.00	77	947782	77.506	ug/l	98
27) cis-1,2-Dichloroethene	6.01	96	662458	80.182	ug/l	97
28) Bromochloromethane	6.42	49	379772	77.314	ug/l	92
29) Tetrahydrofuran	6.43	42	321319	396.281	ug/l	96
30) Chloroform	6.64	83	1163430	76.272	ug/l	98
31) Cyclohexane	6.93	56	688112	77.158	ug/l	100
32) 1,1,1-Trichloroethane	6.85	97	1137371	77.038	ug/l	99
36) 1,1-Dichloropropene	7.12	75	764956	72.946	ug/l	100
37) Ethyl Acetate	6.16	43	324857	71.455	ug/l #	93
38) Carbon Tetrachloride	7.09	117	1024563m	68.911	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	780360	74.026	ug/l	93
40) Benzene	7.43	78	1709096	71.868	ug/l	97
41) Methacrylonitrile	6.42	41	394433	73.848	ug/l #	93
42) 1,2-Dichloroethane	7.56	62	750521	73.989	ug/l	97
43) Isopropyl Acetate	9.22	43	471516	74.536	ug/l #	98
44) Trichloroethene	8.52	130	679466	72.676	ug/l	95
45) 1,2-Dichloropropane	8.91	63	435967	74.056	ug/l	100
46) Dibromomethane	9.04	93	358505	74.210	ug/l	90
47) Bromodichloromethane	9.36	83	899010	76.222	ug/l	98
48) Methyl methacrylate	9.10	41	284192	74.564	ug/l	92
49) 1,4-Dioxane	9.06	88	61856	1491.047	ug/l	97
51) 4-Methyl-2-Pentanone	10.28	43	1475917	374.437	ug/l	97
52) Toluene	10.49	92	1133522	72.423	ug/l	99
53) t-1,3-Dichloropropene	10.89	75	776950	75.162	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	811162	69.936	ug/l	95
55) 1,1,2-Trichloroethane	11.18	97	397719	69.252	ug/l	95
56) Ethyl methacrylate	11.02	69	431222	72.071	ug/l #	87
57) 1,3-Dichloropropane	11.39	76	609257	68.535	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.84	63	1152643	360.818	ug/l	99
59) 2-Hexanone	11.52	43	1112924	375.690	ug/l	96
60) Dibromochloromethane	11.67	129	691894	71.373	ug/l	100
61) 1,2-Dibromoethane	11.79	107	470060	71.215	ug/l	96
64) Tetrachloroethene	11.24	164	590006	69.800	ug/l	96
65) Chlorobenzene	12.39	112	1364265	71.535	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.50	131	598334	66.314	ug/l	95
67) Ethyl Benzene	12.52	91	2165325	63.139	ug/l	100
68) m/p-Xylenes	12.65	106	1688988	130.923	ug/l	100
69) o-Xylene	13.04	106	806778	69.672	ug/l	96
70) Styrene	13.06	104	1352363	71.437	ug/l	97
71) Bromoform	13.22	173	440776	70.424	ug/l #	98
73) Isopropylbenzene	13.39	105	2164754	68.978	ug/l	98
74) N-amyl acetate	13.25	43	646572	79.744	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	463554	82.400	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	465037	80.084	ug/l	99
77) Bromobenzene	13.66	156	702674	85.993	ug/l	92
78) n-propylbenzene	13.77	91	2784813	78.378	ug/l	100
79) 2-Chlorotoluene	13.84	91	1663797	79.298	ug/l	99
80) 1,3,5-Trimethylbenzene	13.92	105	2001394	77.742	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.46	75	140154	77.433	ug/l #	85
82) 4-Chlorotoluene	13.93	91	1826258	73.727	ug/l	85
83) tert-Butylbenzene	14.18	119	2090780	70.032	ug/l	94
84) 1,2,4-Trimethylbenzene	14.23	105	1852877	71.445	ug/l	95
85) sec-Butylbenzene	14.36	105	2413872	75.536	ug/l	98
86) p-Isopropyltoluene	14.48	119	2009621	65.929	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	1216805	77.375	ug/l	100
88) 1,4-Dichlorobenzene	14.52	146	1138607	76.359	ug/l	99
89) n-Butylbenzene	14.79	91	1786875	72.398	ug/l	97
90) Hexachloroethane	15.00	117	604373	76.079	ug/l	92
91) 1,2-Dichlorobenzene	14.80	146	914279	74.550	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	77081	81.164	ug/l	87

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ClientSampleId :
VSTDICC075

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	742495	83.058	ug/l	95
94) Hexachlorobutadiene	16.03	225	544207	78.562	ug/l	99
95) Naphthalene	16.12	128	1060814	79.277	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	462731	78.432	ug/l	94

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

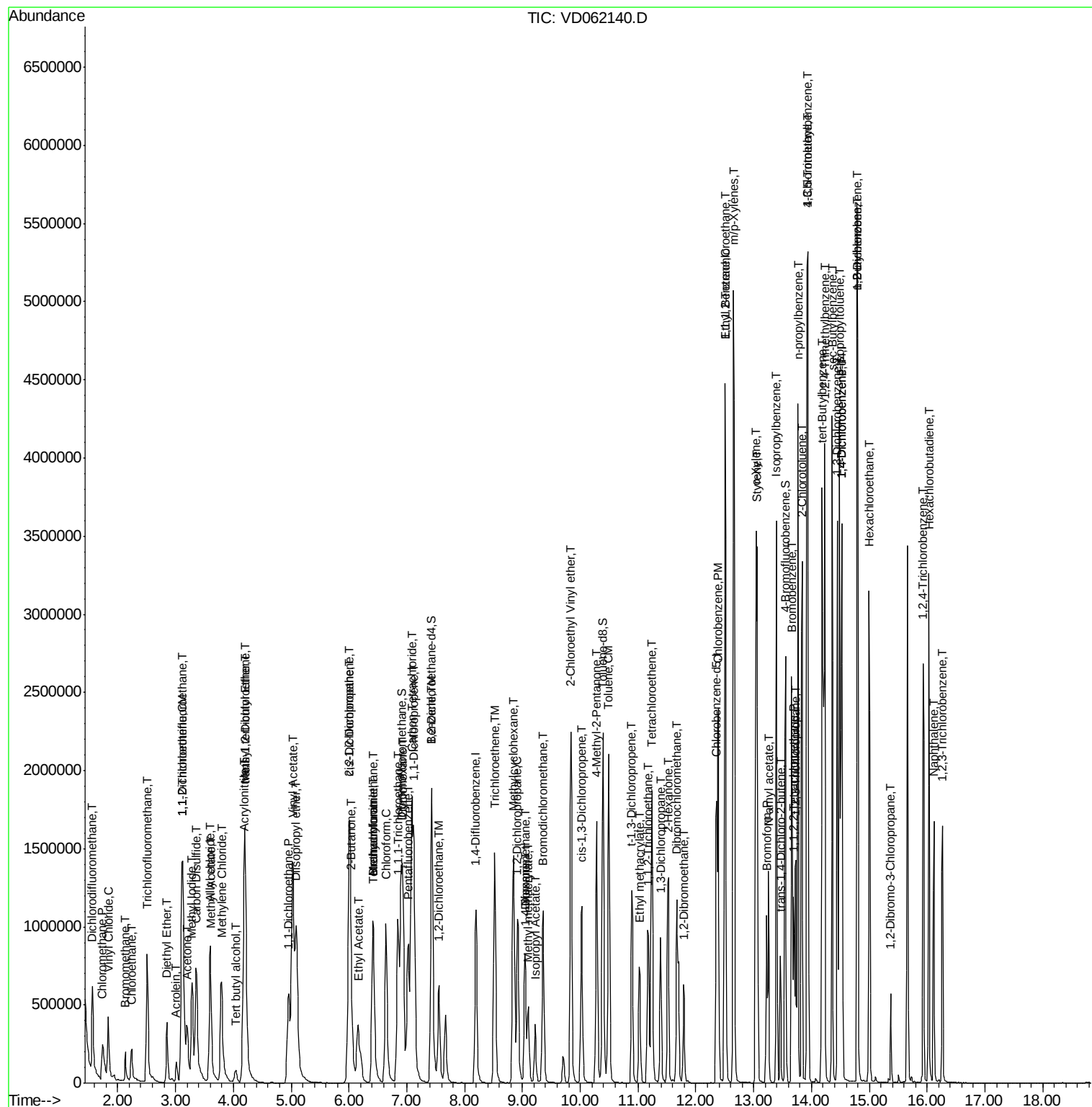
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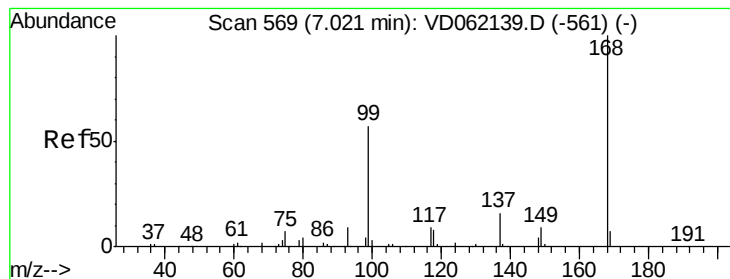
Instrument :
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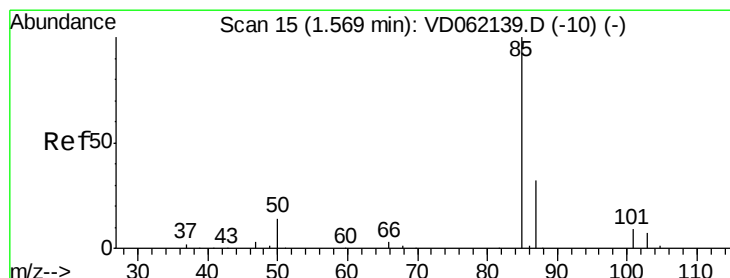
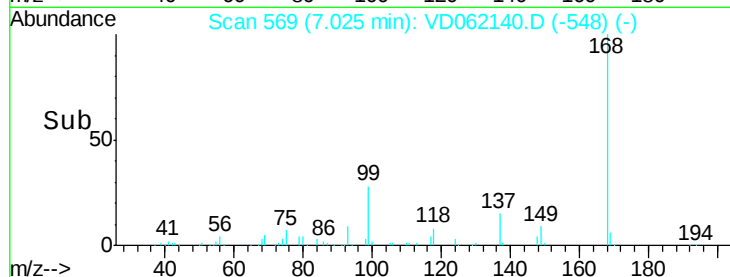
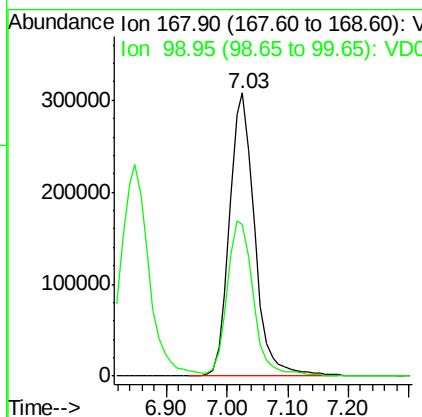
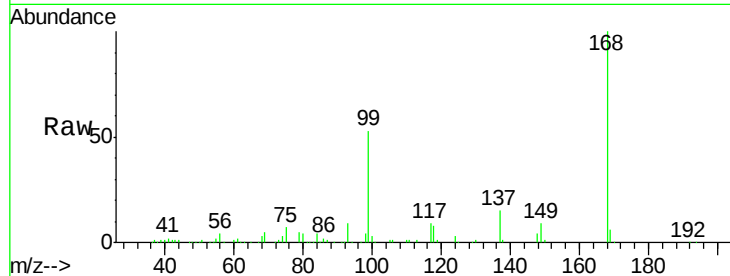
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.00 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:168 Resp: 888556
Ion Ratio Lower Upper
168 100
99 53.5 46.5 69.7

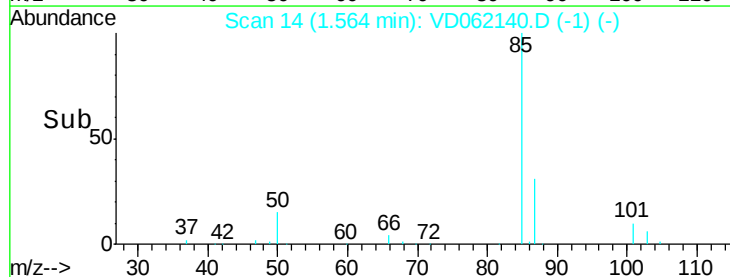
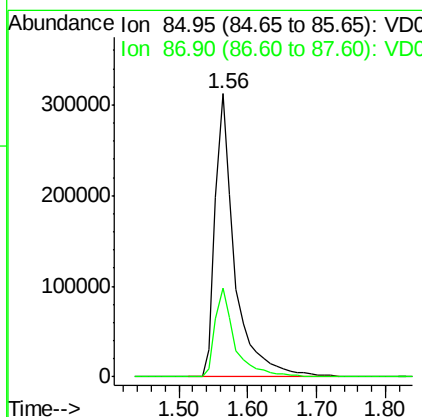
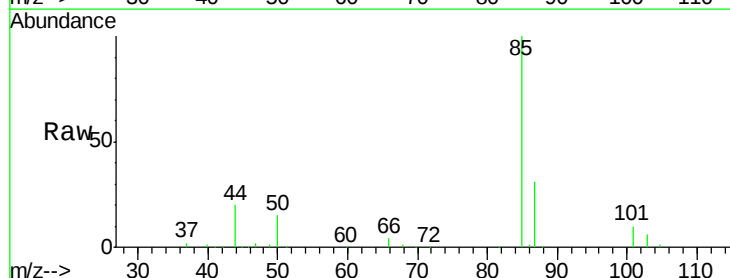
Manual Integrations
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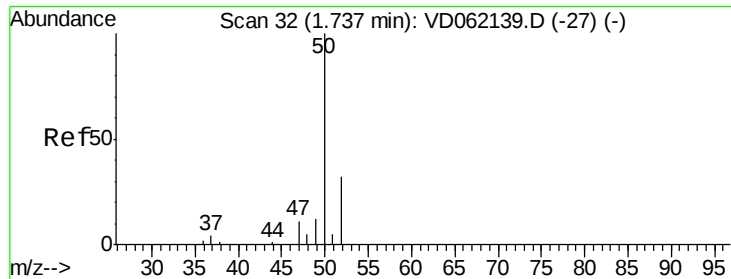
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#2
Dichlorodifluoromethane
Concen: 71.646 ug/l
RT: 1.56 min Scan# 14
Delta R.T. -0.01 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Tgt Ion: 85 Resp: 615936
Ion Ratio Lower Upper
85 100
87 31.2 16.2 48.6





#3

Chloromethane

Concen: 75.855 ug/l

RT: 1.73 min Scan# 31

Delta R.T. -0.01 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 50 Resp: 445402

Ion Ratio Lower Upper

50 100

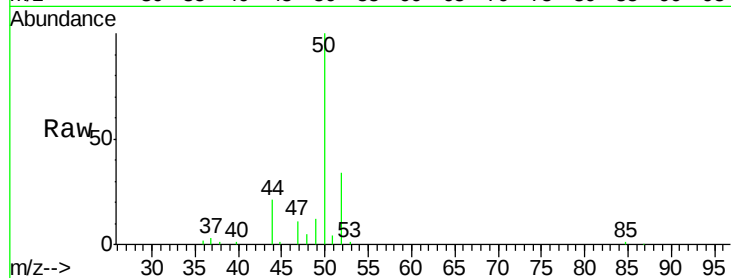
52 33.8 25.2 37.8

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.73

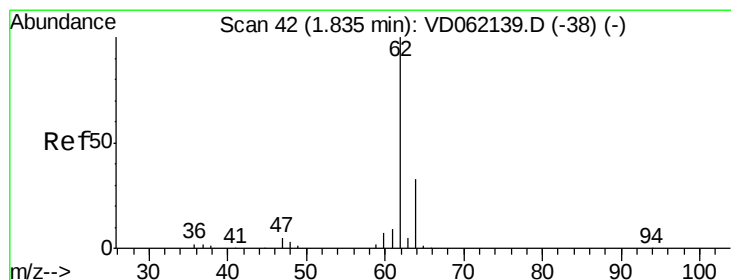
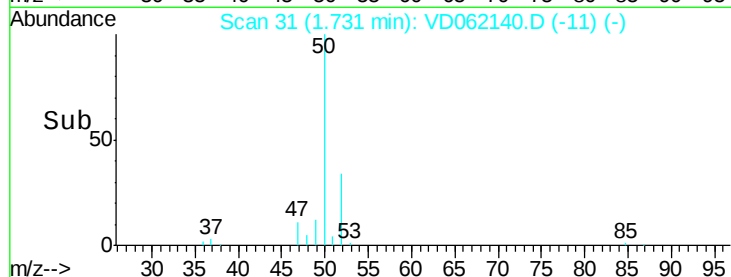
150000

100000

50000

0

Time--> 1.60 1.70 1.80 1.90



#4

Vinyl Chloride

Concen: 71.622 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD062140.D

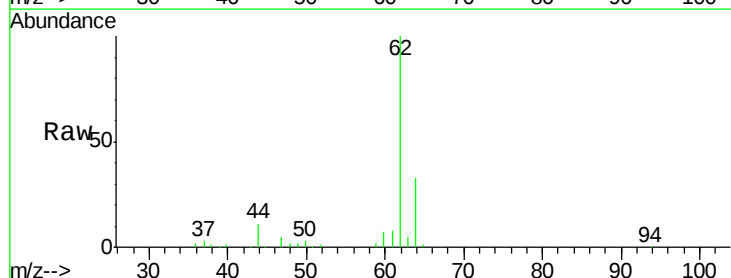
Acq: 7 May 2019 13:34

Tgt Ion: 62 Resp: 451017

Ion Ratio Lower Upper

62 100

64 33.5 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.84

250000

200000

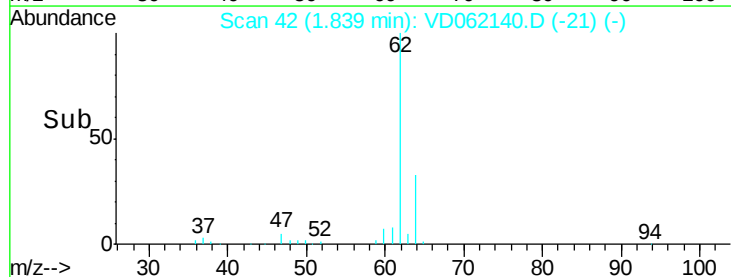
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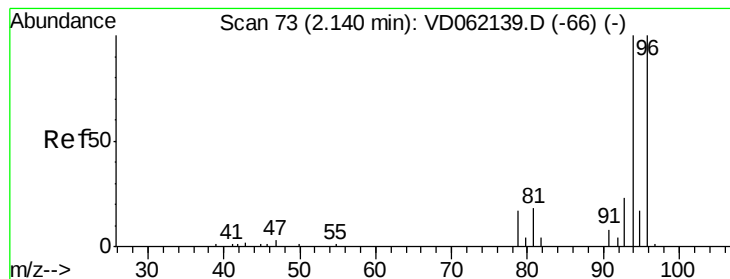
100000

50000

0

Time--> 1.70 1.80 1.90 2.00





#5

Bromomethane

Concen: 70.245 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD062140.D

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Instrument :

MSVOA_D

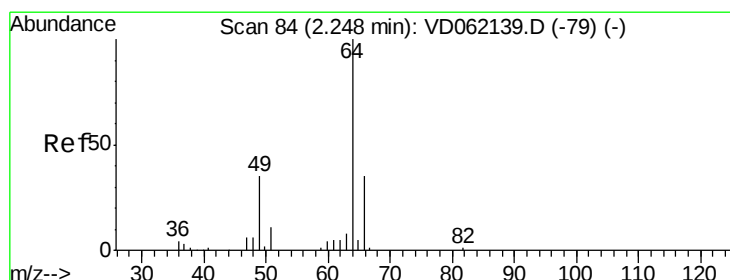
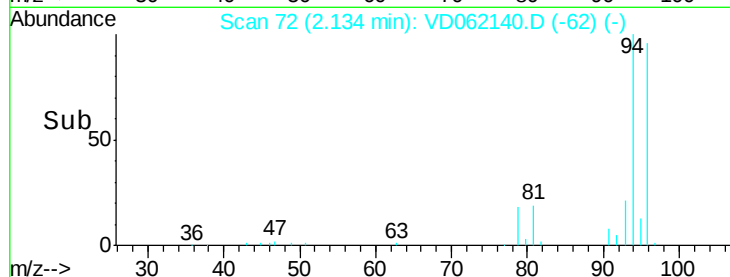
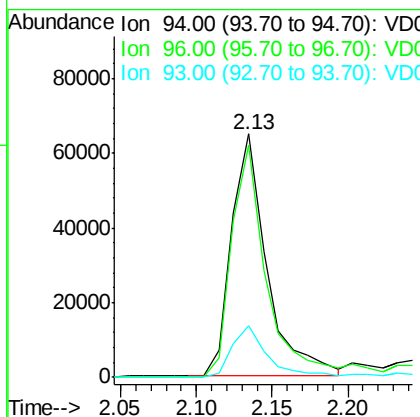
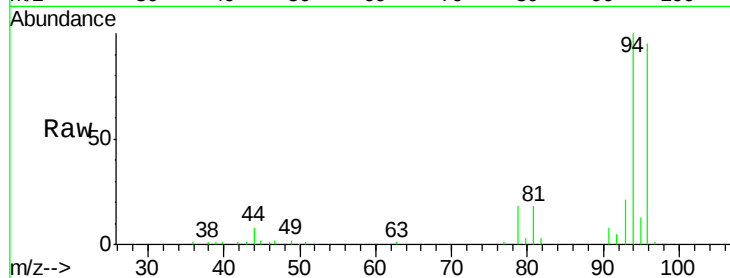
ClientSampleId :

VSTDIC075

Tot Ion:	94	Resp:	105958
Ion	Ratio	Lower	Upper
94	100		
96	95.1	76.6	115.0
93	21.3	18.5	27.7

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#6

Chloroethane

Concen: 74.297 ug/l

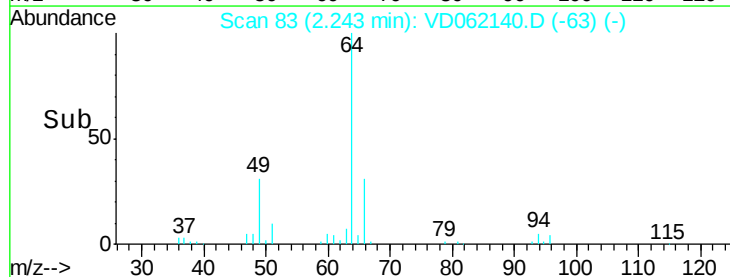
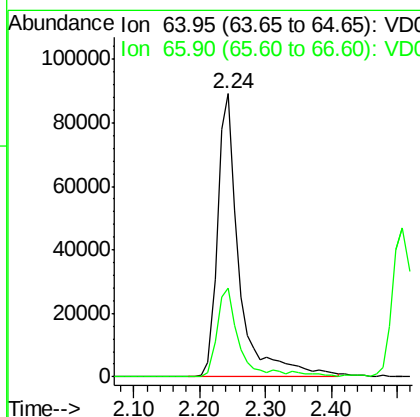
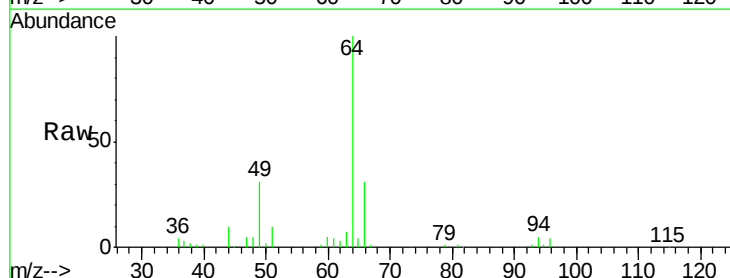
RT: 2.24 min Scan# 83

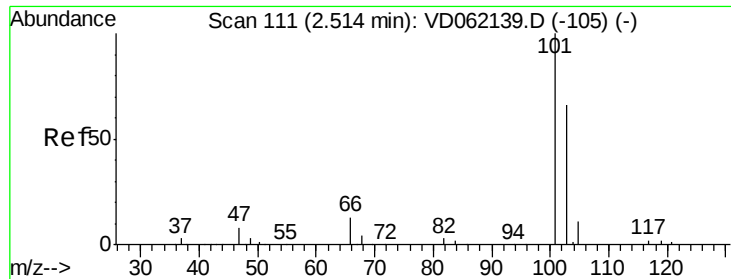
Delta R.T. -0.01 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Tgt Ion:	64	Resp:	205338
Ion	Ratio	Lower	Upper
64	100		
66	31.4	25.6	38.4





#7

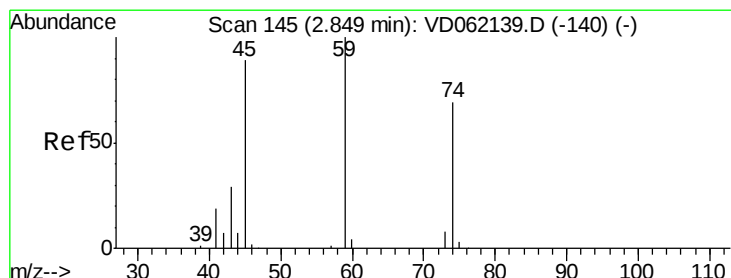
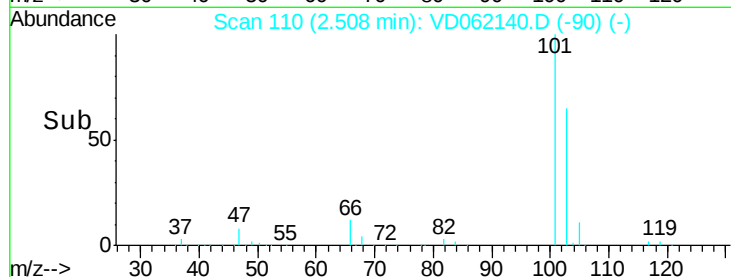
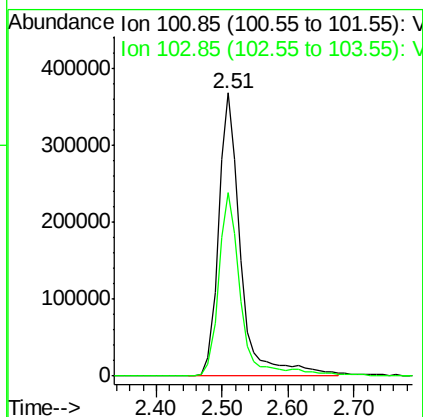
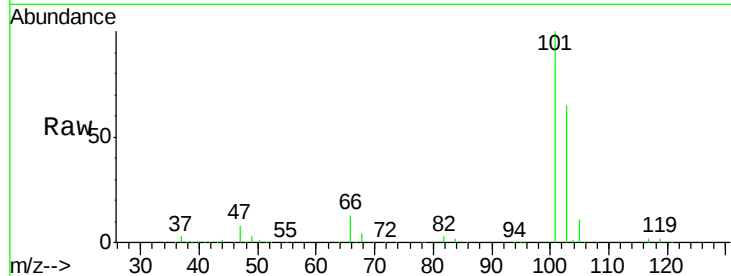
Trichlorofluoromethane
Concen: 72.106 ug/l
RT: 2.51 min Scan# 110
Delta R.T. -0.01 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Instrument :
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ClientSampleId :
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Tot Ion:101 Resp: 860393
Ion Ratio Lower Upper
101 100
103 65.0 53.6 80.4

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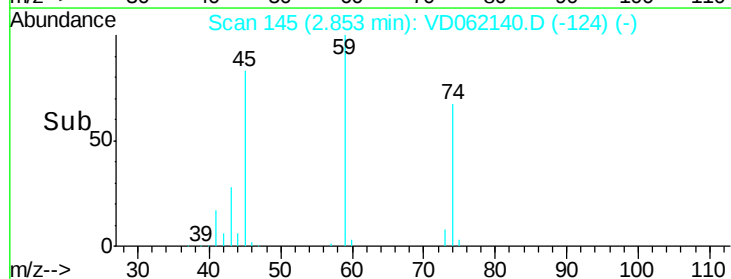
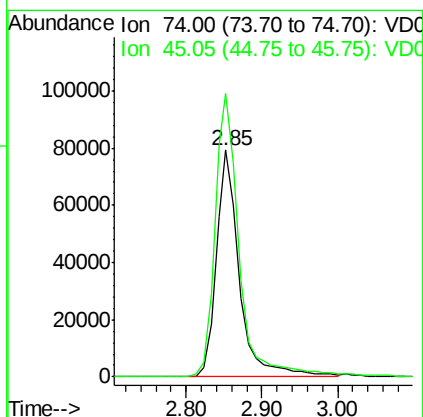
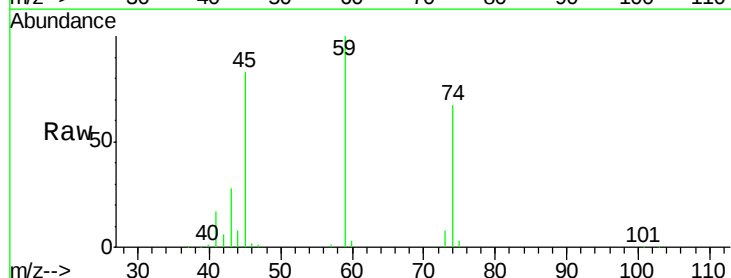
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5/9/2019 12:56:34 AM



#8

Diethyl Ether
Concen: 73.646 ug/l
RT: 2.85 min Scan# 145
Delta R.T. 0.00 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Tgt Ion: 74 Resp: 169236
Ion Ratio Lower Upper
74 100
45 124.8 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 67.109 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Instrument :

MSVOA_D

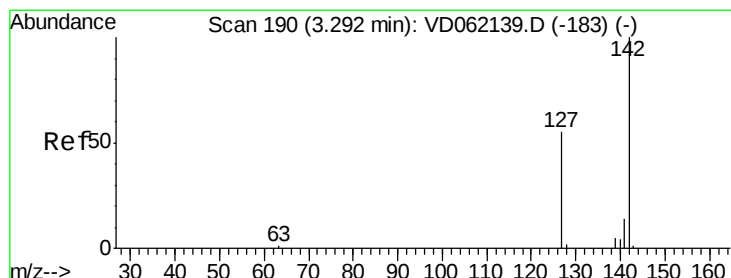
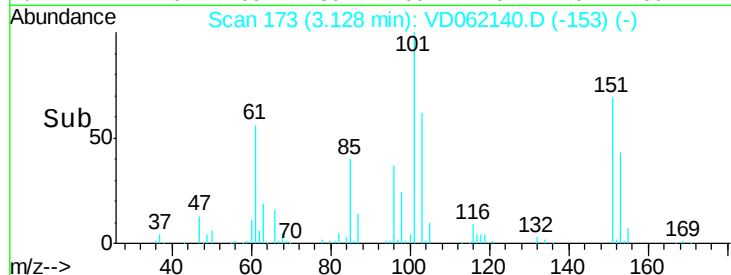
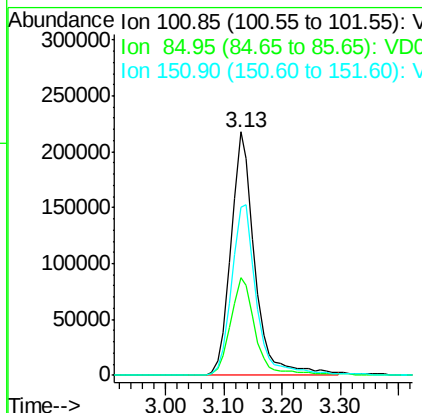
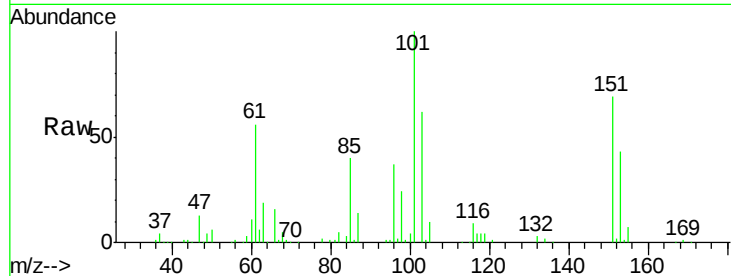
ClientSampleId :

VSTDIC075

Tot Ion:	101	Resp:	620701
Ion Ratio	Lower	Upper	
101	100		
85	40.4	32.4	48.6
151	68.9	59.4	89.0

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#10

Methyl Iodide

Concen: 73.872 ug/l

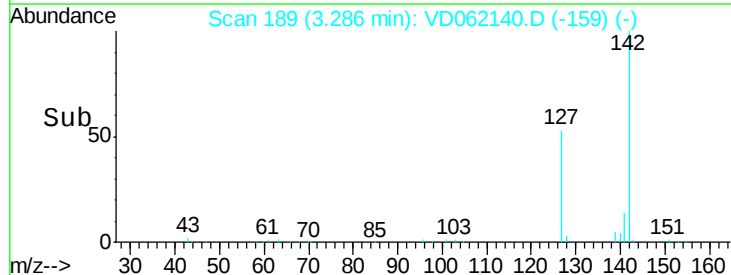
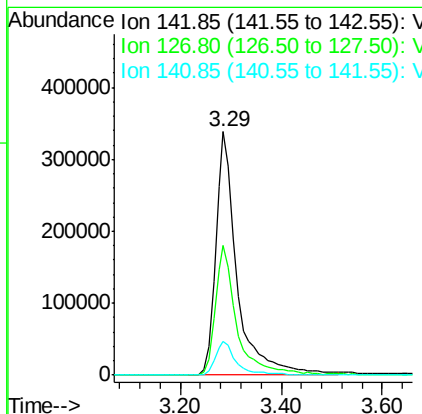
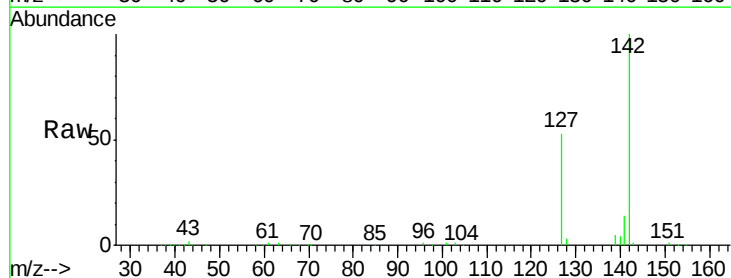
RT: 3.29 min Scan# 189

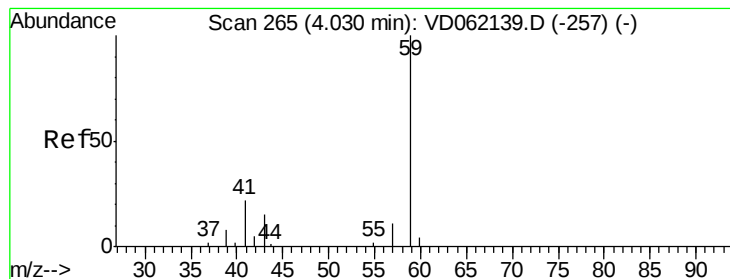
Delta R.T. -0.01 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Tgt Ion:	142	Resp:	1007239
Ion Ratio	Lower	Upper	
142	100		
127	53.1	38.8	58.2
141	13.9	11.4	17.0





#11

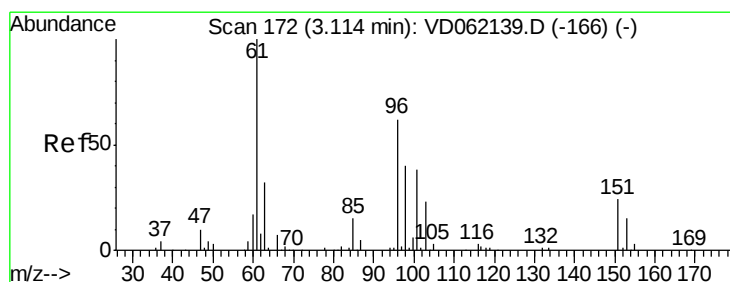
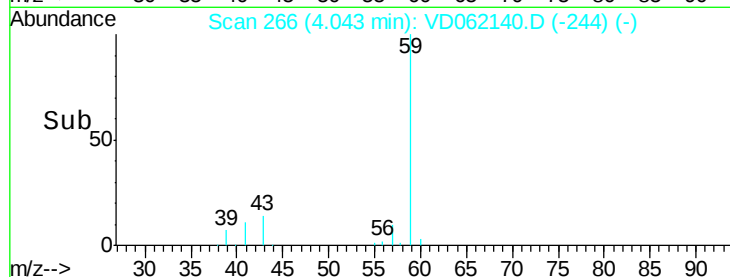
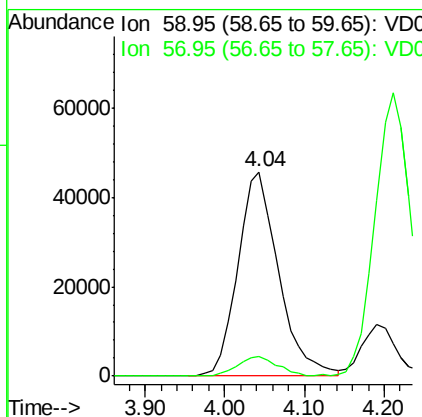
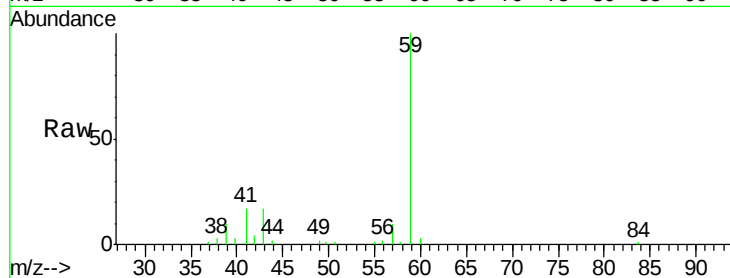
Tert butyl alcohol
 Concen: 394.531 ug/l
 RT: 4.04 min Scan# 266
 Delta R.T. 0.01 min
 Lab File: VD062140.D
 Acq: 7 May 2019 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	6.9	10.3

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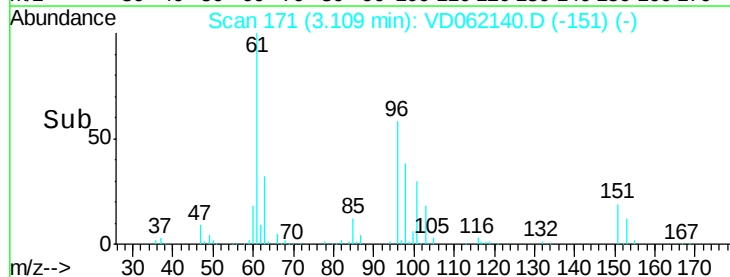
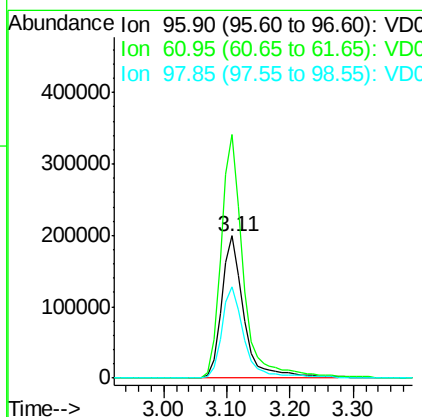
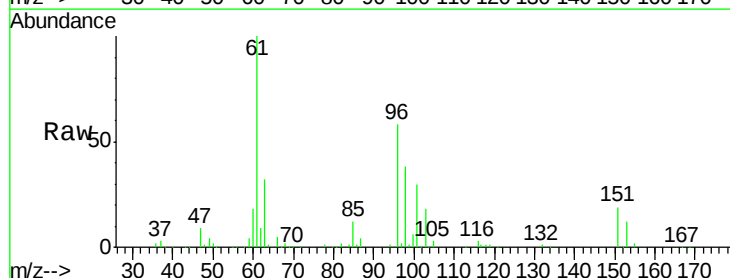
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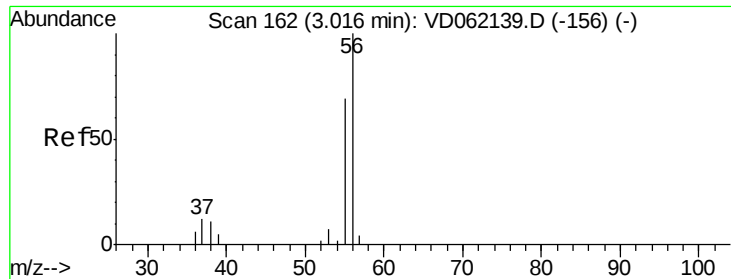


#12

1,1-Dichloroethene
 Concen: 66.794 ug/l
 RT: 3.11 min Scan# 171
 Delta R.T. -0.01 min
 Lab File: VD062140.D
 Acq: 7 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.3	129.8	194.8
98	64.4	51.2	76.8





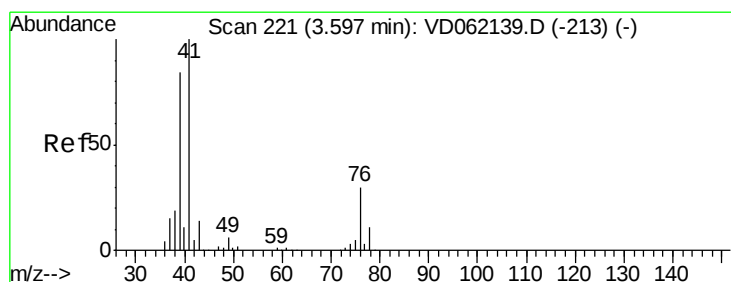
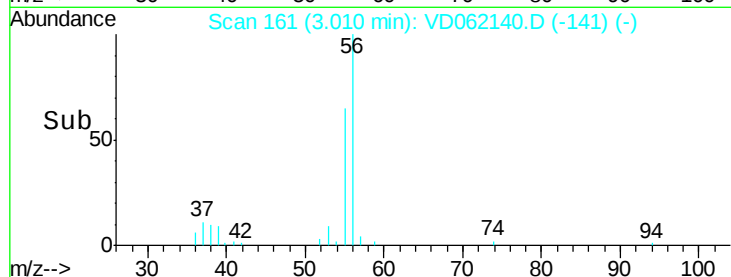
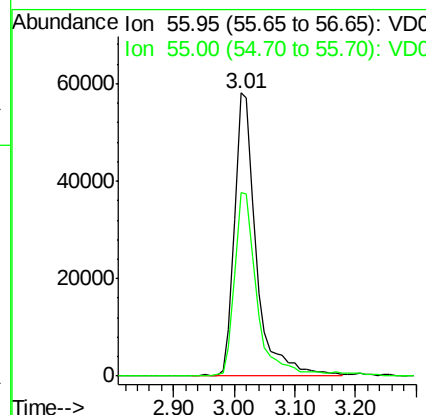
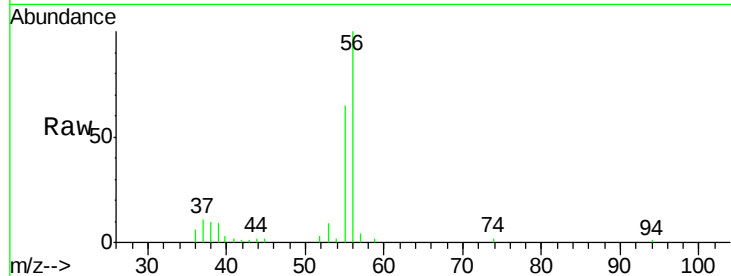
#13
Acrolein
Concen: 347.930 ug/l
RT: 3.01 min Scan# 161
Delta R.T. -0.01 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 56 Resp: 145522
Ion Ratio Lower Upper
56 100
55 65.0 51.4 77.2

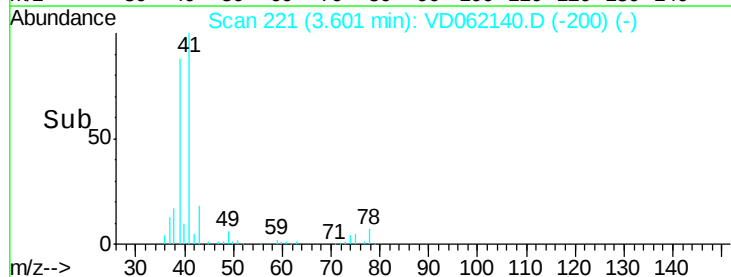
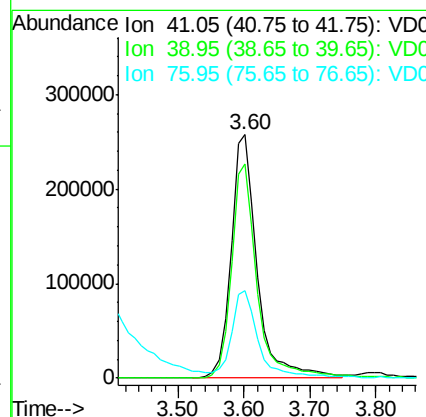
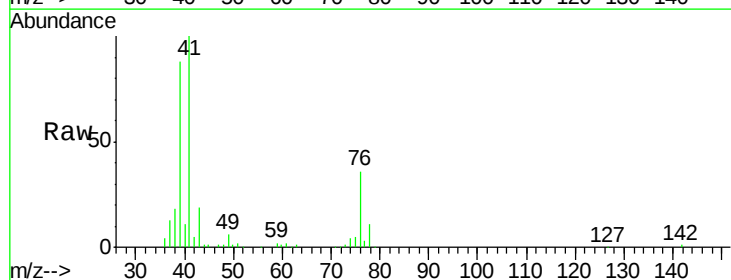
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#14
Allyl chloride
Concen: 69.650 ug/l
RT: 3.60 min Scan# 221
Delta R.T. 0.00 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Tgt Ion: 41 Resp: 716663
Ion Ratio Lower Upper
41 100
39 88.2 60.5 90.7
76 35.9 31.8 47.8





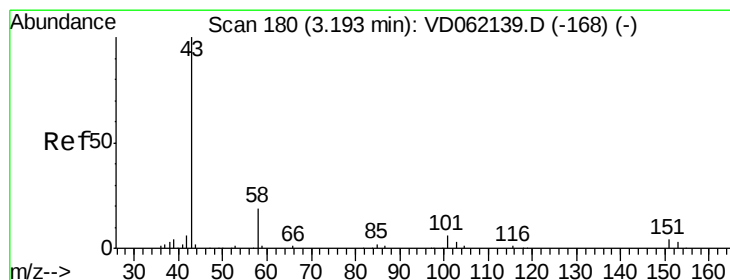
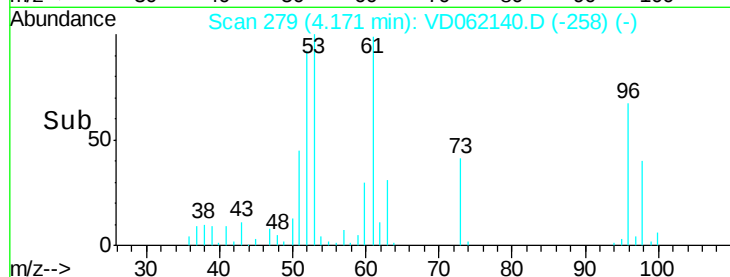
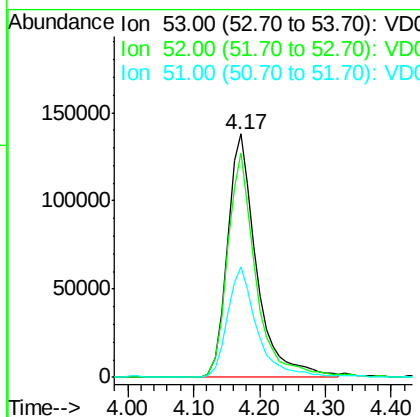
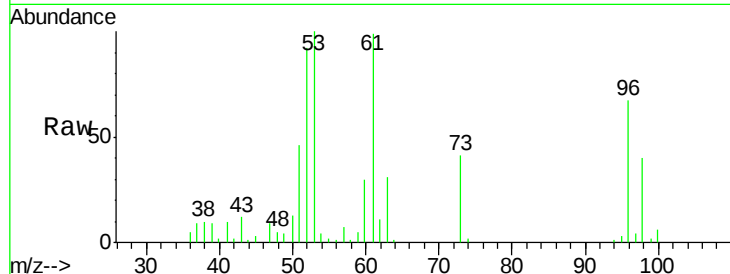
#15
 Acrylonitrile
 Concen: 390.095 ug/l
 RT: 4.17 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VD062140.D
 Acq: 7 May 2019 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
53	100		
52	92.1	65.0	97.4
51	45.5	32.6	48.8

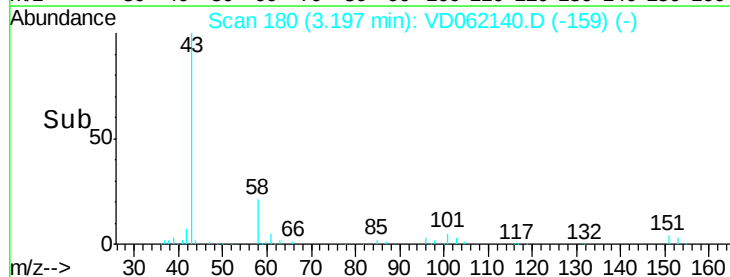
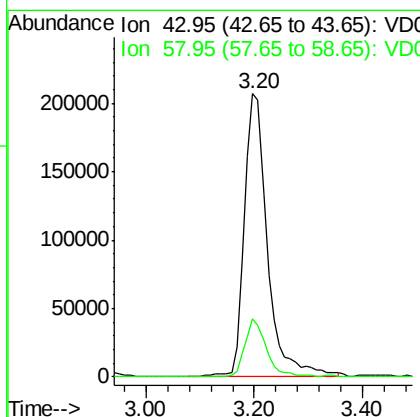
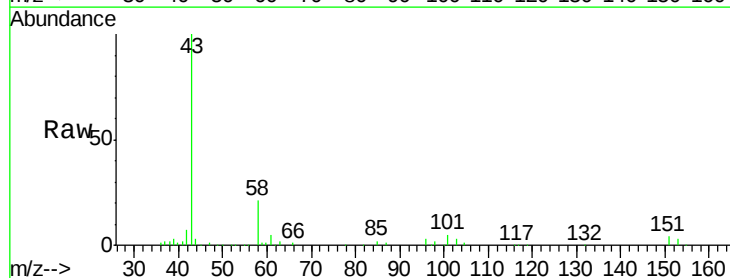
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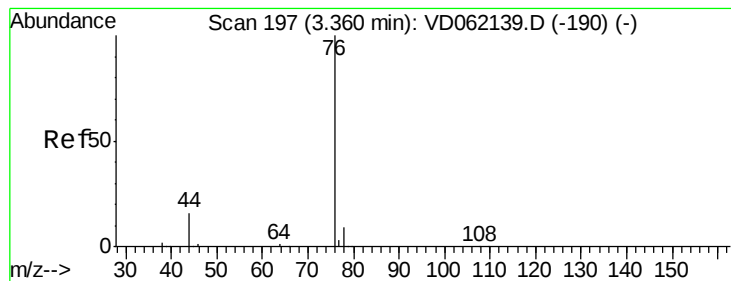
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#16
 Acetone
 Concen: 346.690 ug/l
 RT: 3.20 min Scan# 180
 Delta R.T. 0.00 min
 Lab File: VD062140.D
 Acq: 7 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
43	100		
58	20.7	19.9	29.9





#17

Carbon Disulfide

Concen: 75.270 ug/l

RT: 3.35 min Scan# 196

Delta R.T. -0.01 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 76 Resp: 1519541

Ion Ratio Lower Upper

76 100

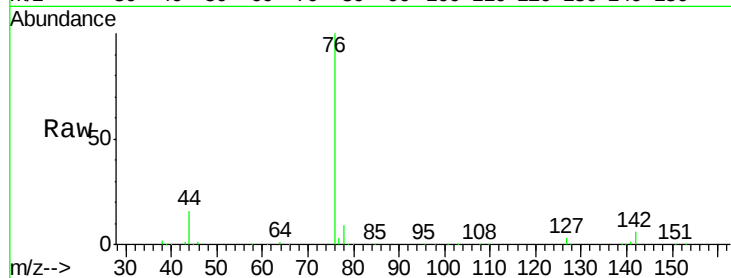
78 9.1 7.2 10.8

Manual Integrations

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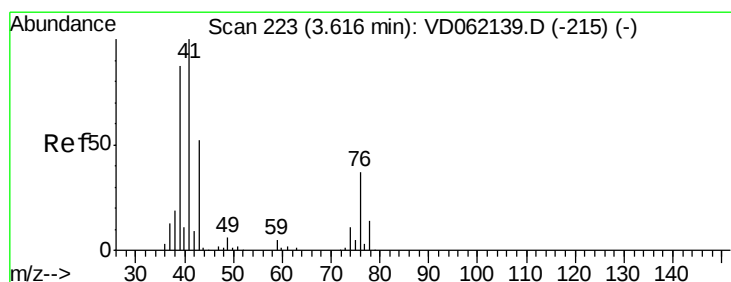
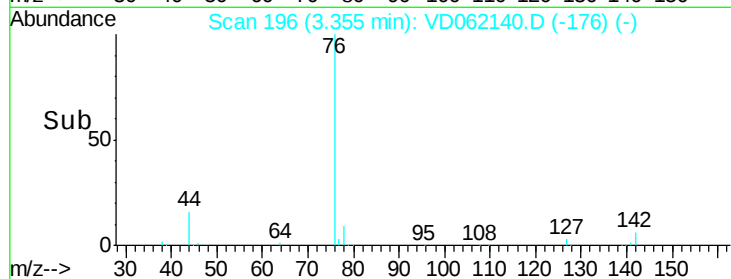
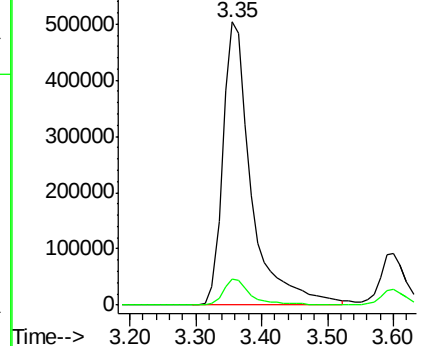
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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 72.632 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.00 min

Lab File: VD062140.D

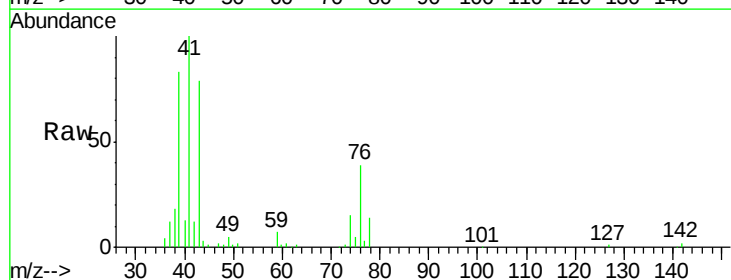
Acq: 7 May 2019 13:34

Tgt Ion: 43 Resp: 218758

Ion Ratio Lower Upper

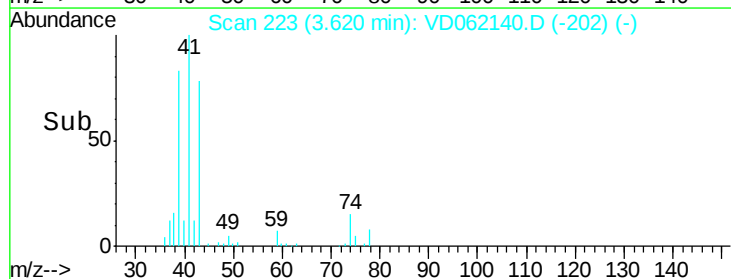
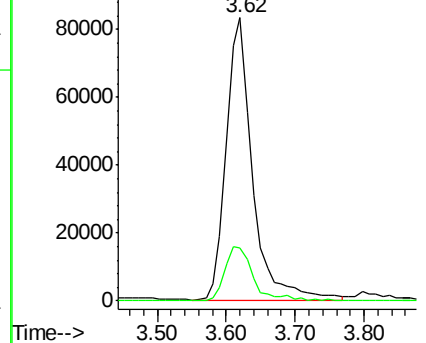
43 100

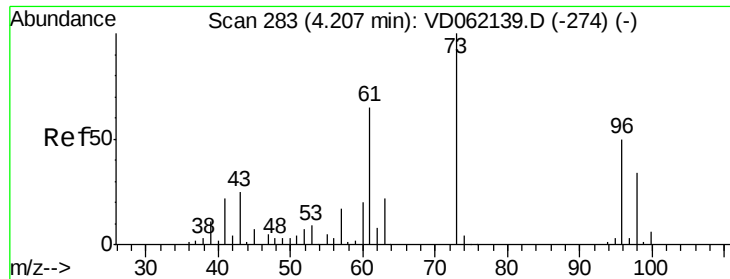
74 18.6 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





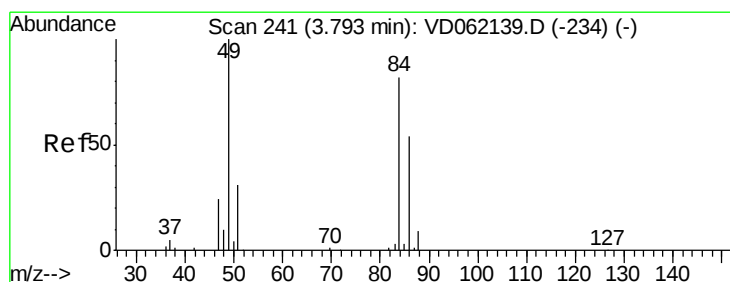
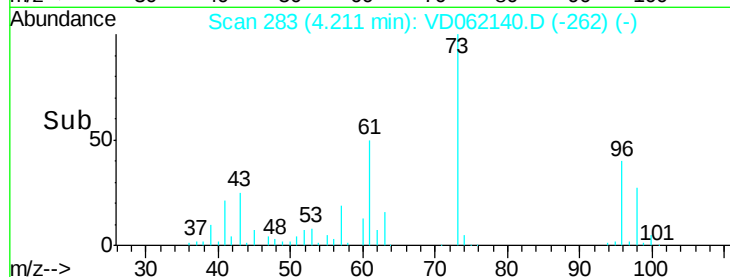
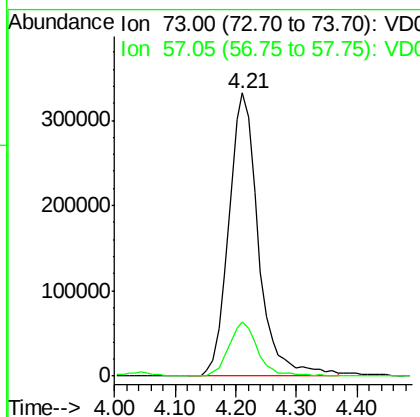
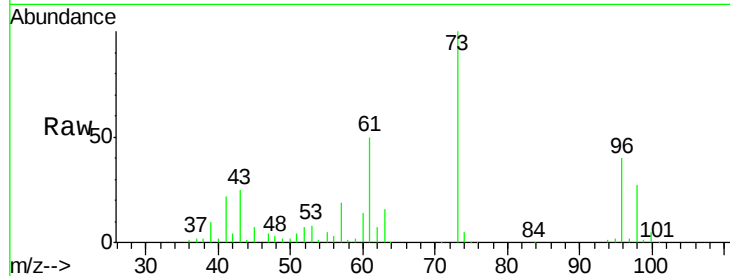
#19
Methyl tert-butyl Ether
Concen: 76.789 ug/l
RT: 4.21 min Scan# 283
Delta R.T. 0.00 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 73 Resp: 1127172
Ion Ratio Lower Upper
73 100
57 19.1 16.3 24.5

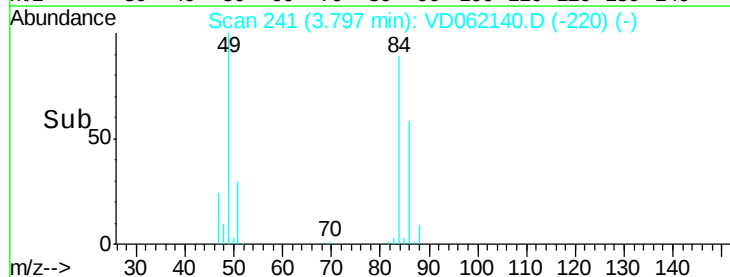
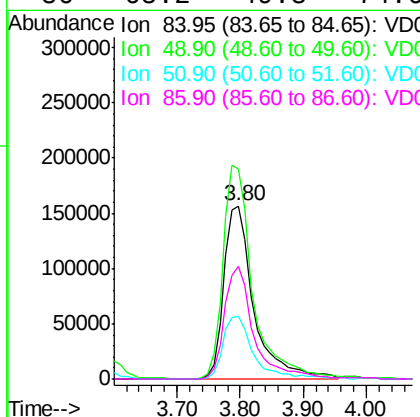
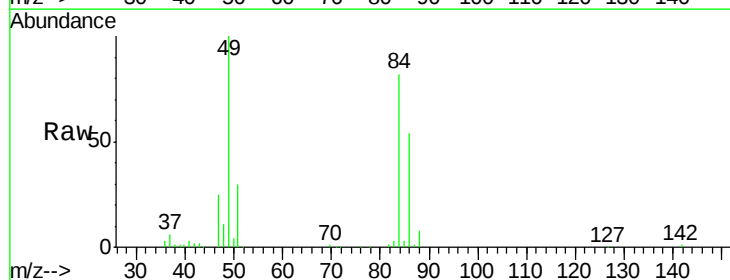
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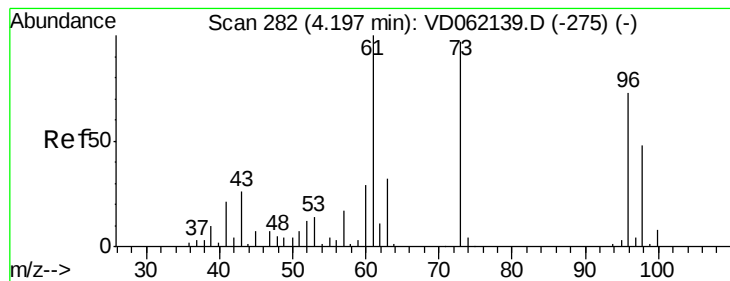
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#20
Methylene Chloride
Concen: 73.483 ug/l
RT: 3.80 min Scan# 241
Delta R.T. 0.00 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Tgt Ion: 84 Resp: 516302
Ion Ratio Lower Upper
84 100
49 121.6 94.0 141.0
51 36.4 29.0 43.4
86 65.2 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 75.475 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 96 Resp: 604690

Ion Ratio Lower Upper

96 100

61 136.7 104.4 156.6

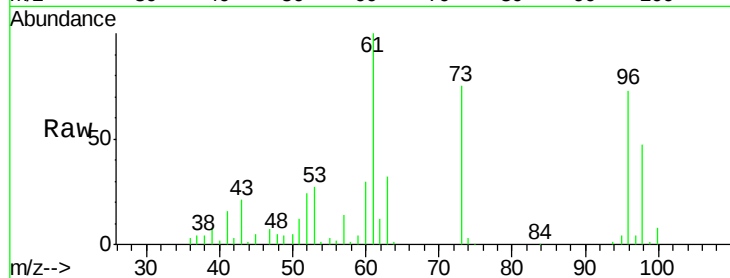
98 63.7 51.8 77.8

Manual Integrations

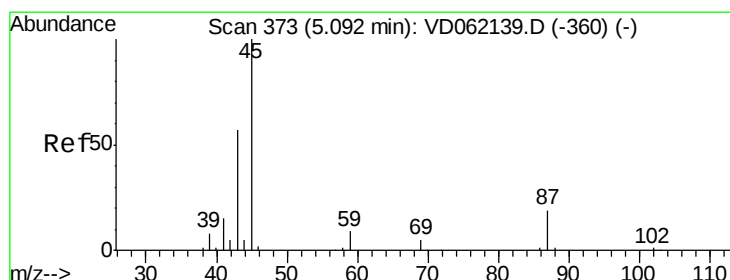
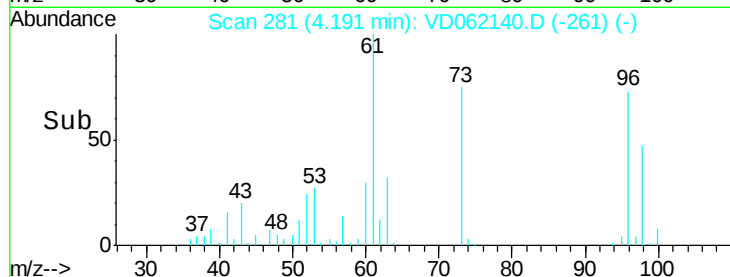
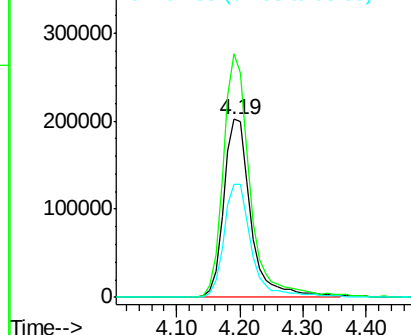
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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 74.712 ug/l

RT: 5.09 min Scan# 372

Delta R.T. -0.01 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Tgt Ion: 45 Resp: 1570441

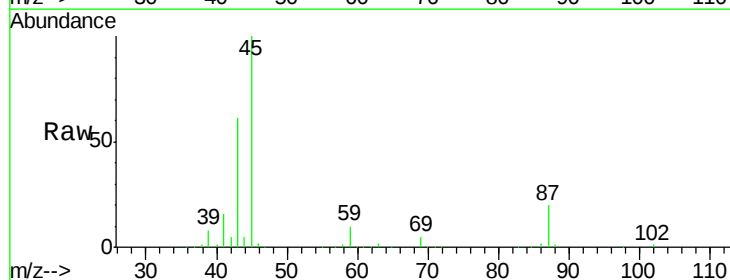
Ion Ratio Lower Upper

45 100

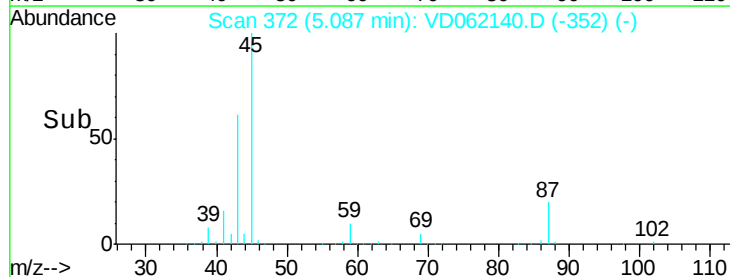
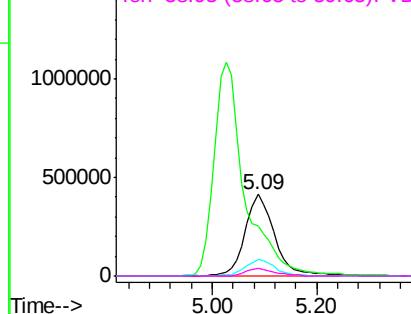
43 61.1 46.2 69.2

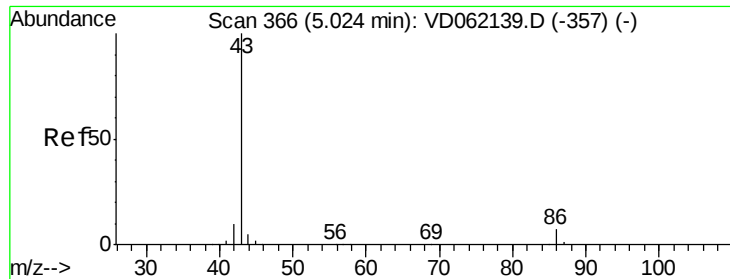
87 20.3 15.9 23.9

59 9.5 7.9 11.9



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: 379.803 ug/l

RT: 5.03 min Scan# 366

Delta R.T. 0.00 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 4366870

Ion Ratio Lower Upper

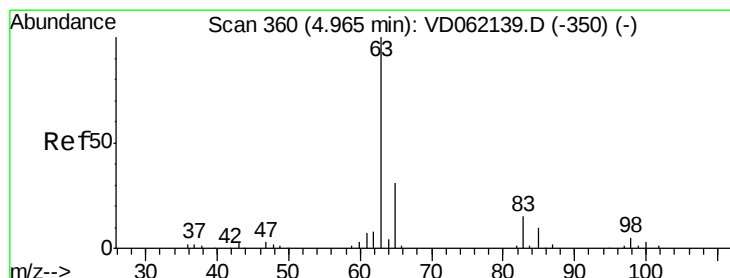
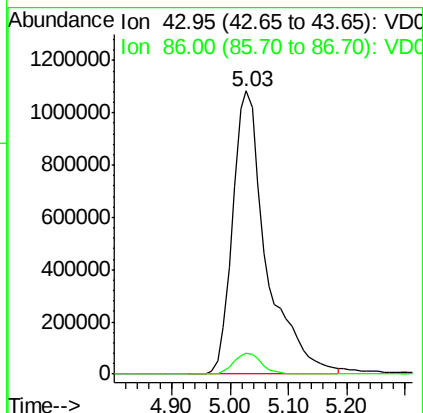
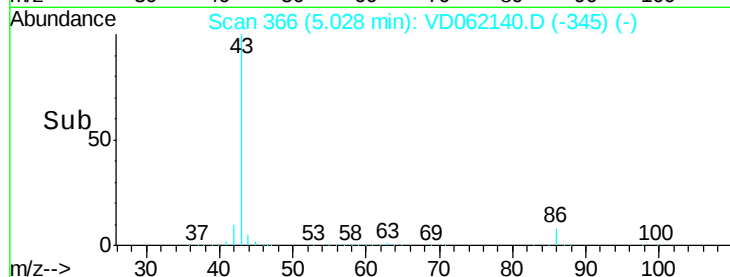
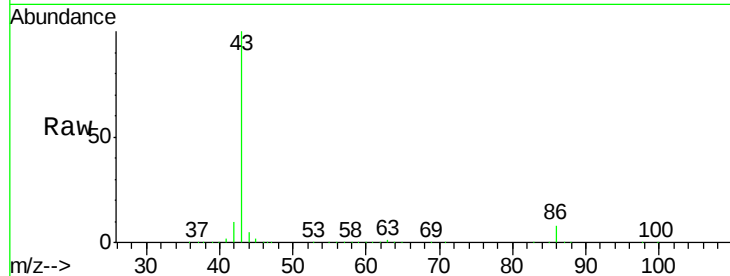
43 100

86 7.5 6.4 9.6

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#24

1,1-Dichloroethane

Concen: 77.966 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.01 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

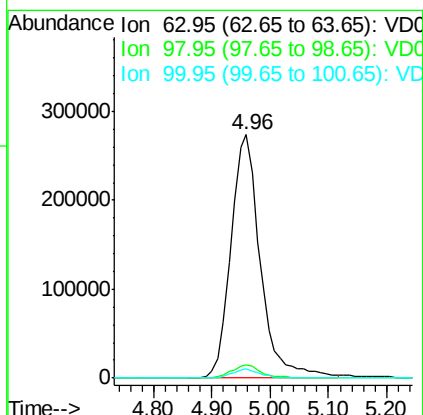
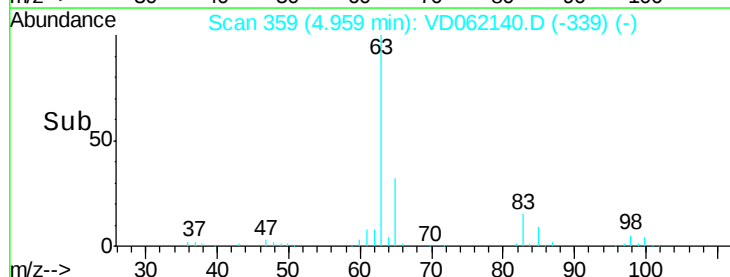
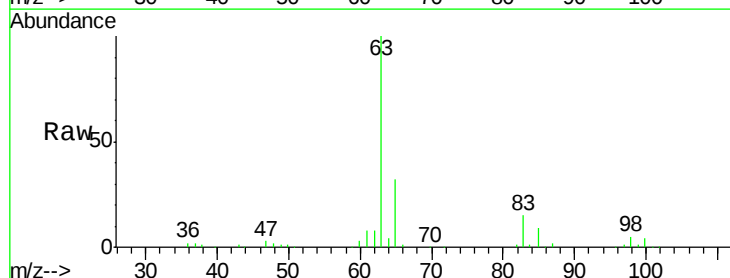
Tgt Ion: 63 Resp: 962562

Ion Ratio Lower Upper

63 100

98 5.2 2.8 8.4

100 3.7 1.8 5.5





#25

2-Butanone

Concen: 398.442 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 723585

Ion Ratio Lower Upper

43 100

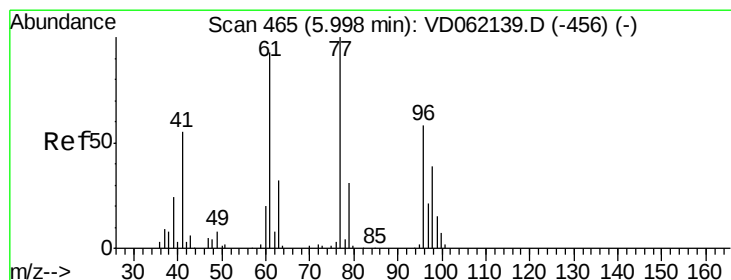
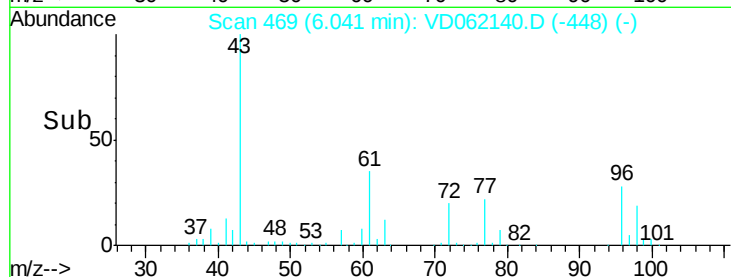
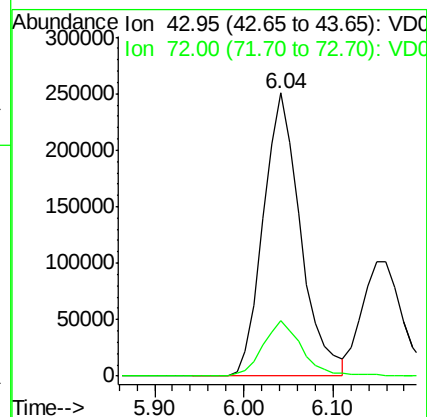
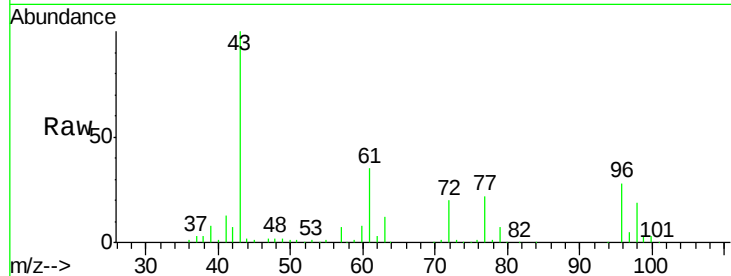
72 19.6 16.2 24.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 77.506 ug/l

RT: 6.00 min Scan# 465

Delta R.T. 0.00 min

Lab File: VD062140.D

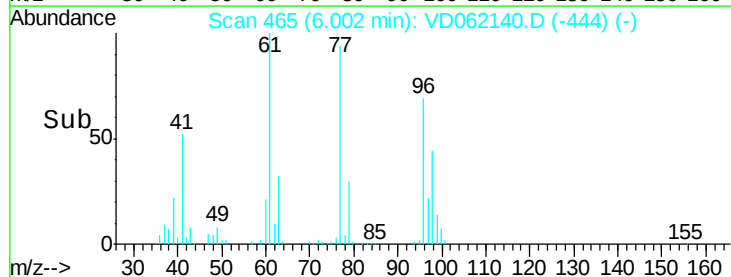
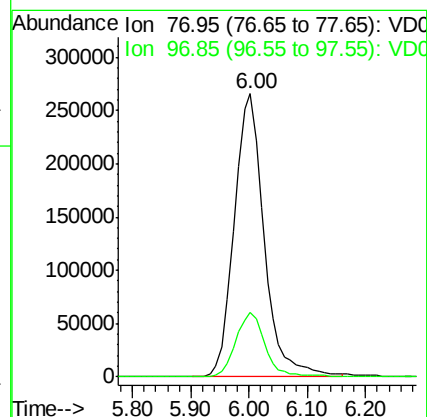
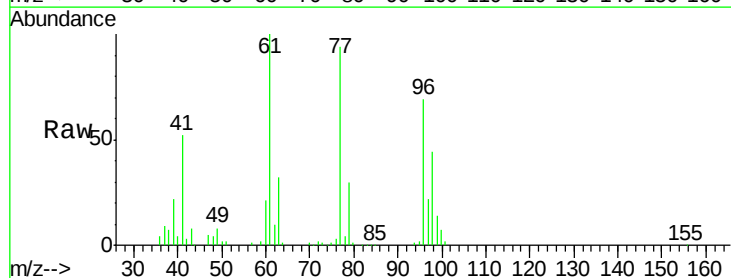
Acq: 7 May 2019 13:34

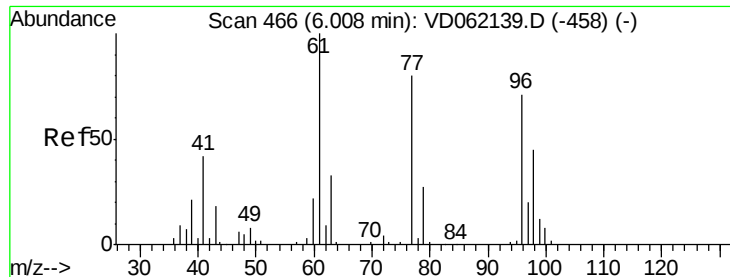
Tgt Ion: 77 Resp: 947782

Ion Ratio Lower Upper

77 100

97 22.9 11.9 35.9





#27

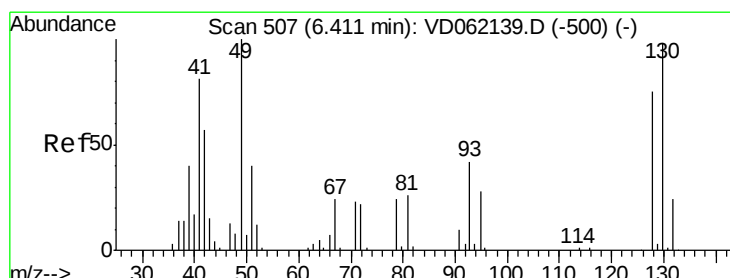
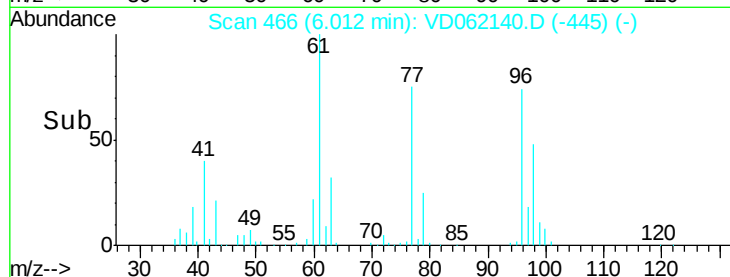
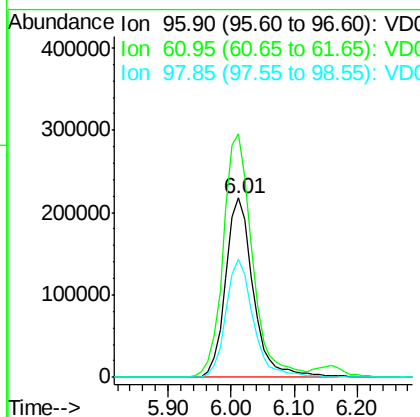
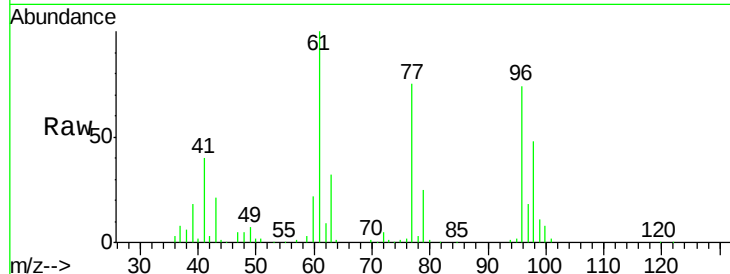
cis-1,2-Dichloroethene
Concen: 80.182 ug/l
RT: 6.01 min Scan# 466
Delta R.T. 0.00 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
96	100	662458		
61	136.0	0.0	279.8	
98	65.7	0.0	136.0	

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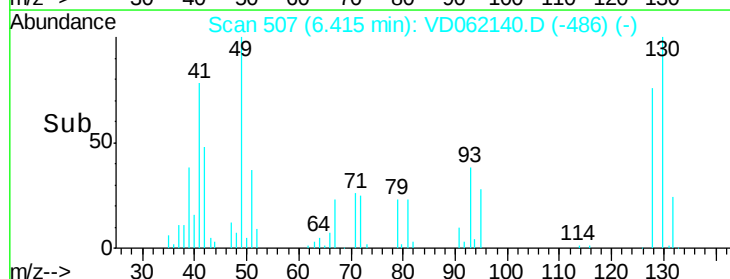
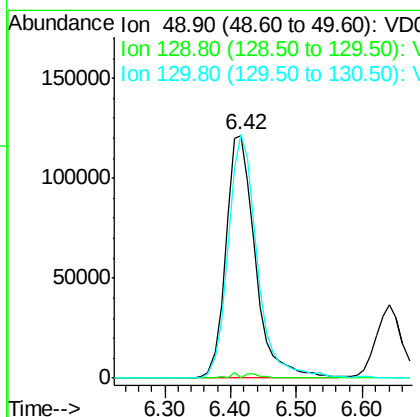
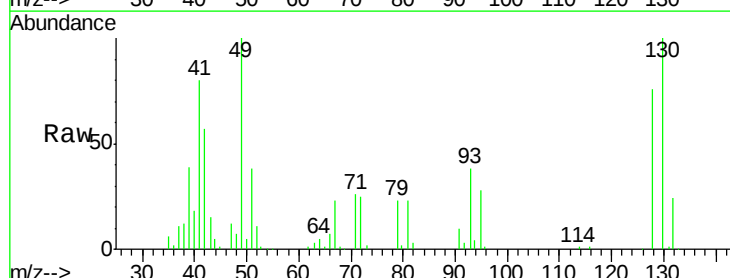
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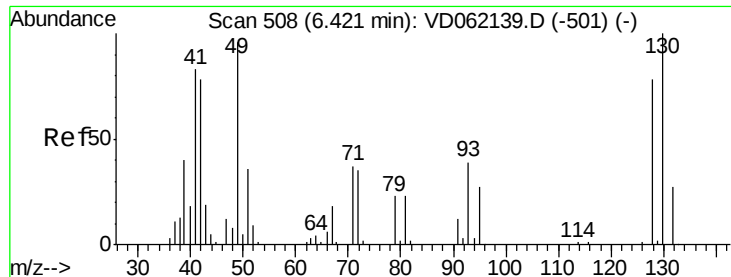


#28

Bromochloromethane
Concen: 77.314 ug/l
RT: 6.42 min Scan# 507
Delta R.T. 0.00 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	379772		
129	0.0	0.0	6.6	
130	100.3	86.7	130.1	





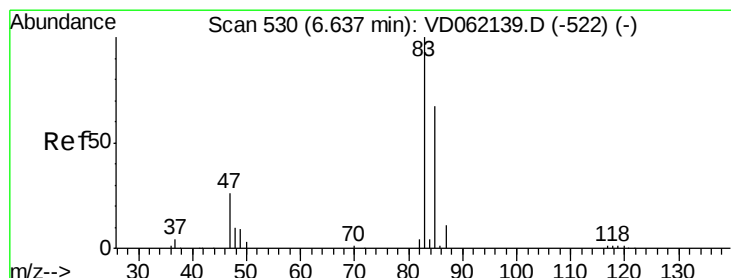
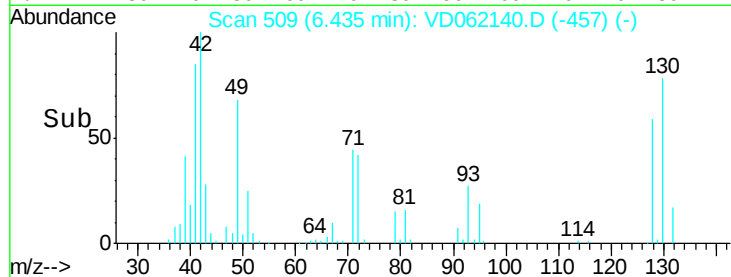
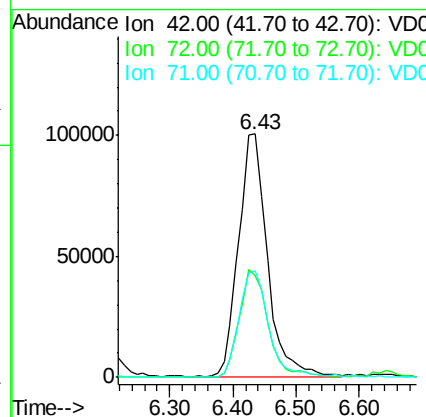
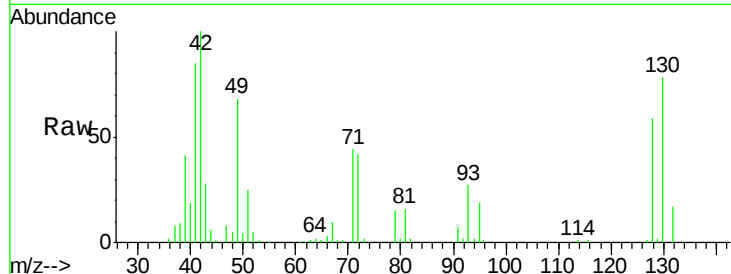
#29
Tetrahydrofuran
Concen: 396.281 ug/l
RT: 6.43 min Scan# 509
Delta R.T. 0.01 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	37.8	56.6
71	44.4	36.7	55.1

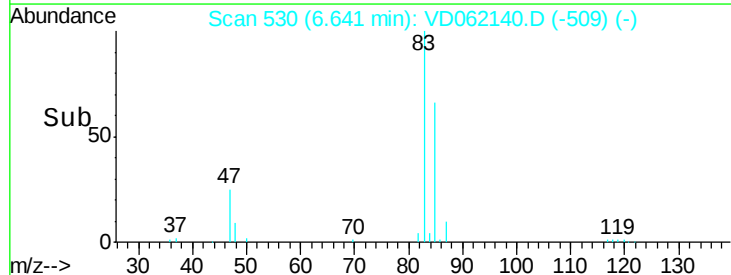
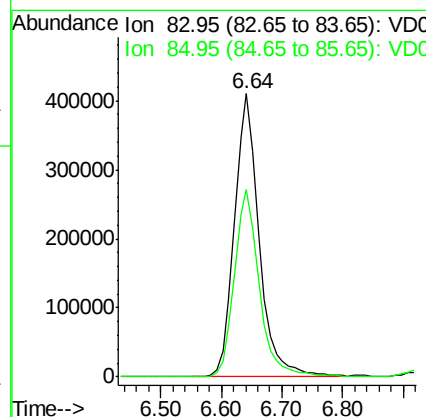
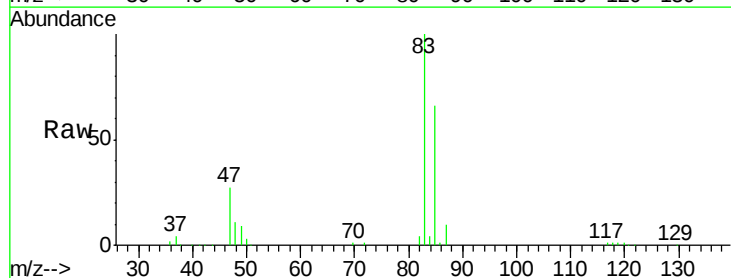
Manual Integrations
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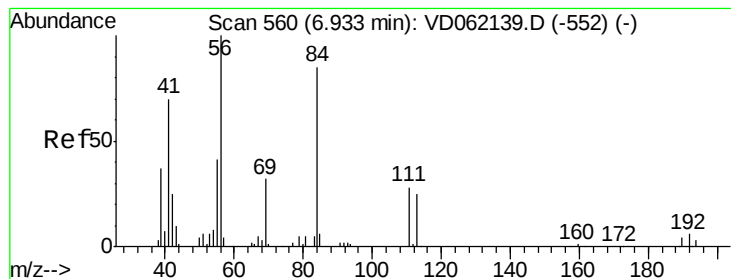
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#30
Chloroform
Concen: 76.272 ug/l
RT: 6.64 min Scan# 530
Delta R.T. 0.00 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.7	77.5





#31

Cvclohexane

Concen: 77.158 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Instrument :

MSVOA_D

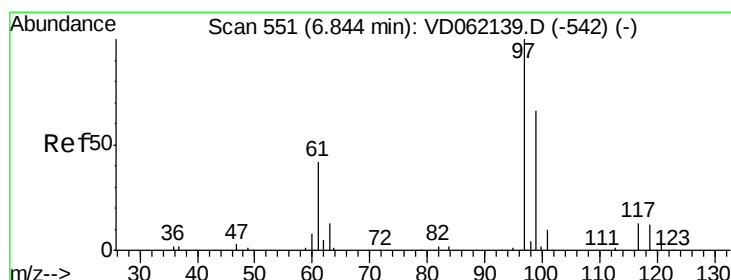
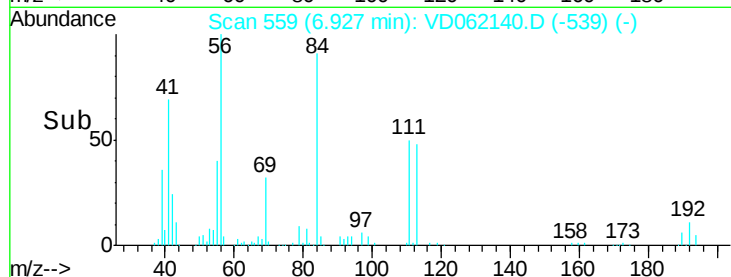
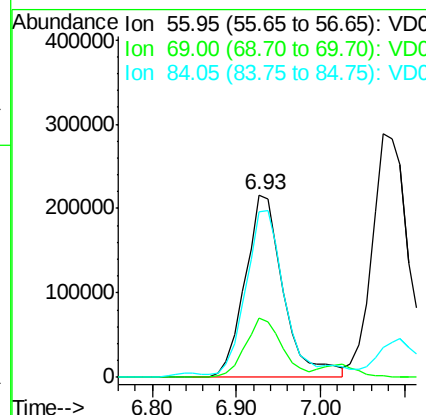
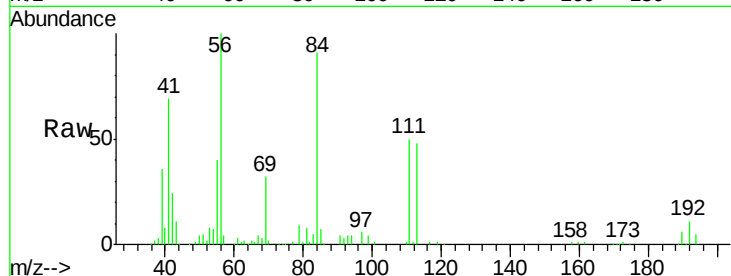
ClientSampleId :

VSTDIC075

Tot Ion:	56	Resp:	688112
Ion	Ratio	Lower	Upper
56	100		
69	32.5	25.8	38.6
84	90.5	72.2	108.4

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#32

1,1,1-Trichloroethane

Concen: 77.038 ug/l

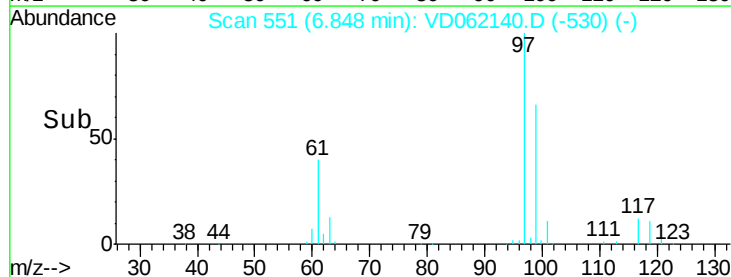
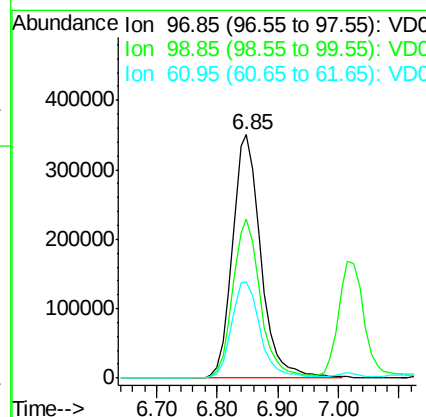
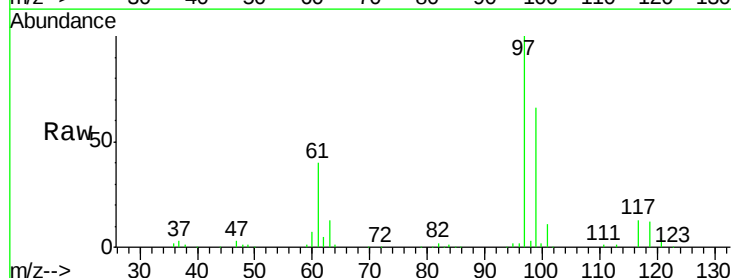
RT: 6.85 min Scan# 551

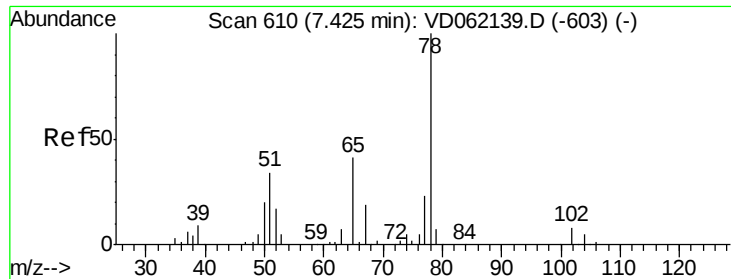
Delta R.T. 0.00 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Tgt Ion:	97	Resp:	1137371
Ion	Ratio	Lower	Upper
97	100		
99	65.5	52.2	78.2
61	39.5	32.4	48.6





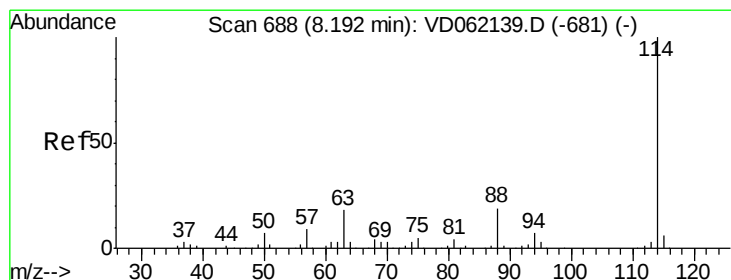
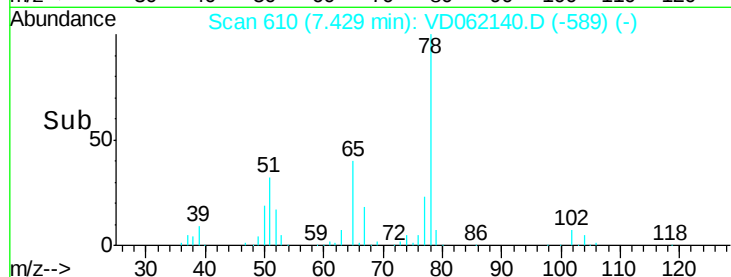
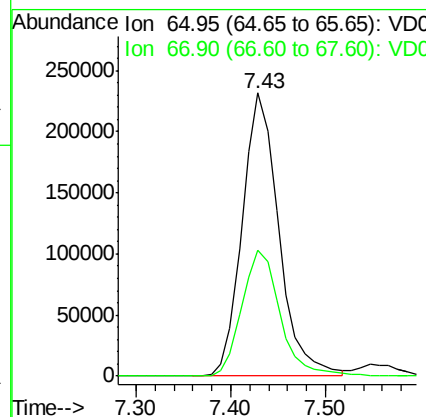
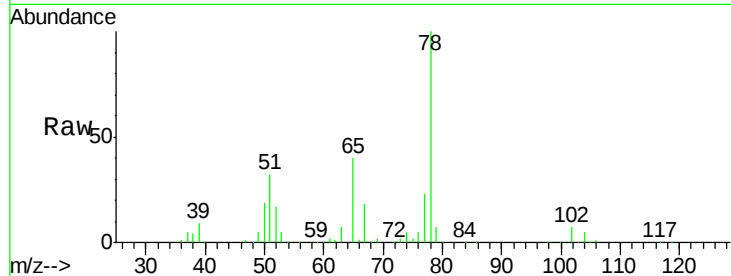
#33
 1,2-Dichloroethane-d4
 Concen: 73.469 ug/l
 RT: 7.43 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VD062140.D
 Acq: 7 May 2019 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion: 65 Resp: 621564
 Ion Ratio Lower Upper
 65 100
 67 44.5 0.0 98.0

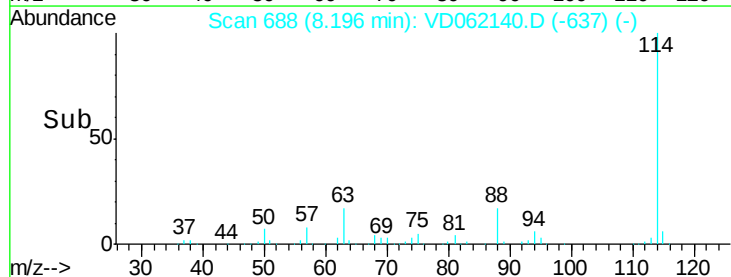
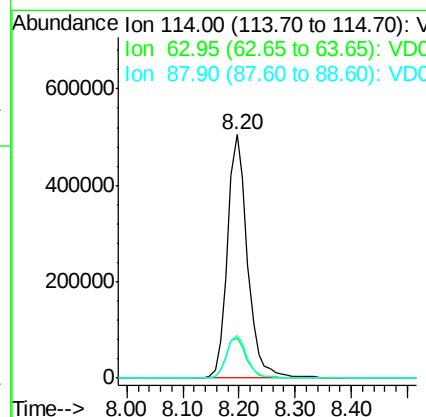
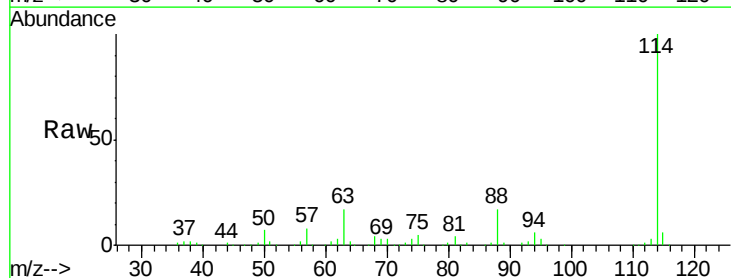
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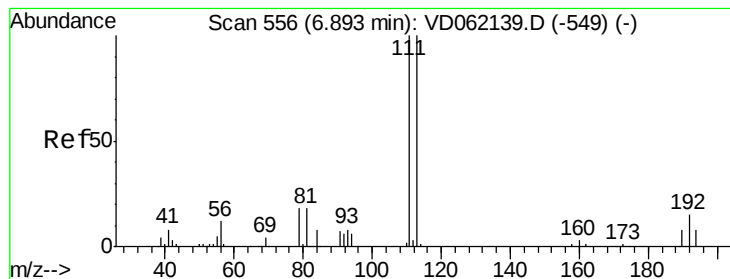
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. 0.00 min
 Lab File: VD062140.D
 Acq: 7 May 2019 13:34

Tgt Ion: 114 Resp: 1257932
 Ion Ratio Lower Upper
 114 100
 63 16.7 0.0 32.4
 88 17.3 0.0 33.6





#35

Dibromofluoromethane

Concen: 72.193 ug/l

RT: 6.90 min Scan# 556

Delta R.T. 0.00 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Instrument :

MSVOA_D

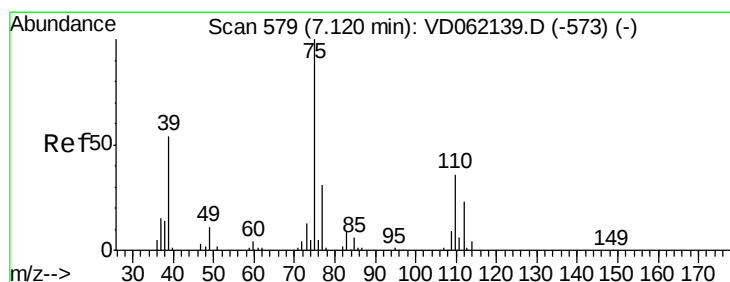
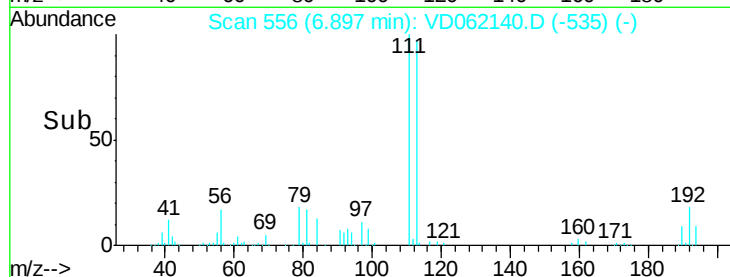
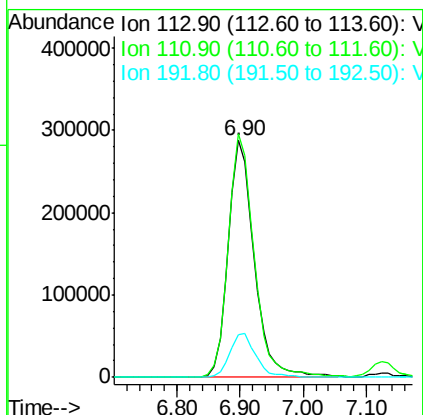
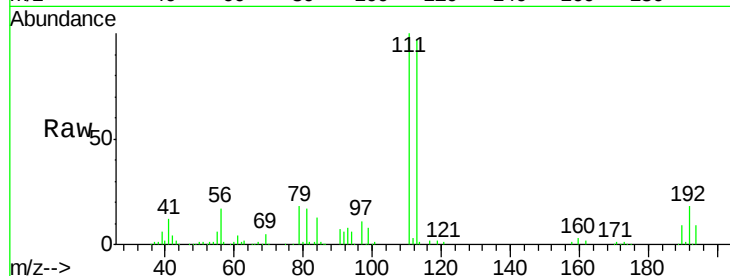
ClientSampleId :

VSTDIC075

Tot Ion:	113	Resp:	821427
Ion Ratio	Lower	Upper	
113	100		
111	102.8	78.5	117.7
192	18.2	13.0	19.4

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#36

1,1-Dichloropropene

Concen: 72.946 ug/l

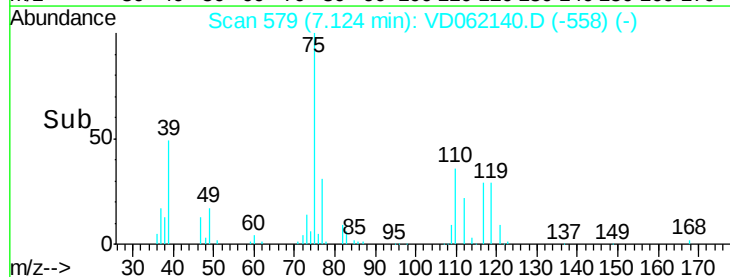
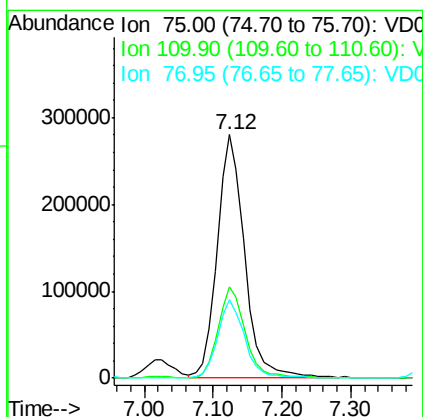
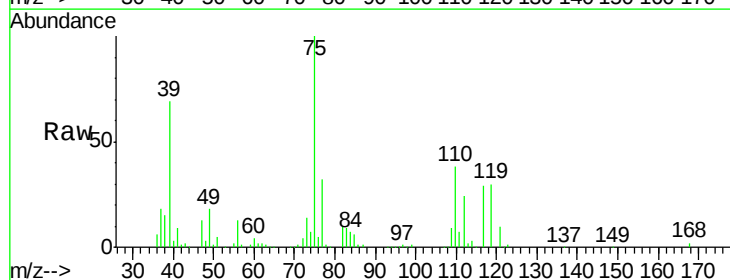
RT: 7.12 min Scan# 579

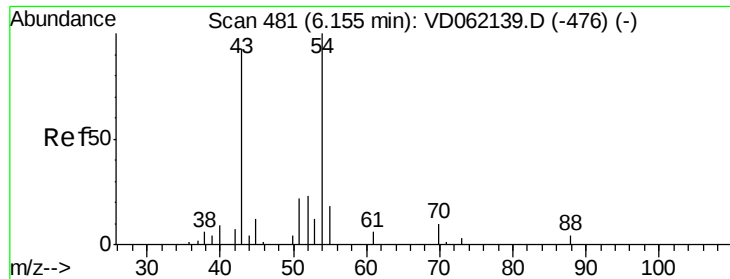
Delta R.T. 0.00 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Tgt Ion:	75	Resp:	764956
Ion Ratio	Lower	Upper	
75	100		
110	37.8	19.1	57.1
77	32.2	25.6	38.4





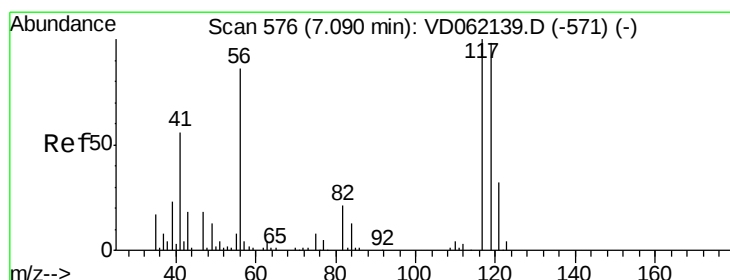
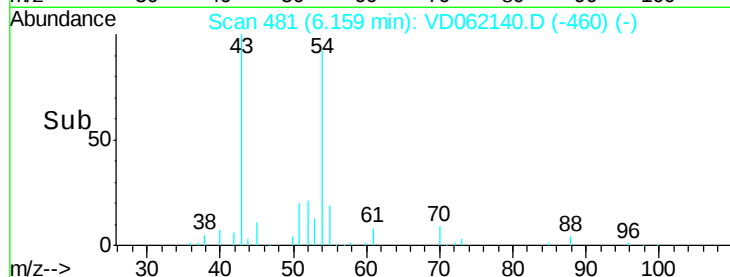
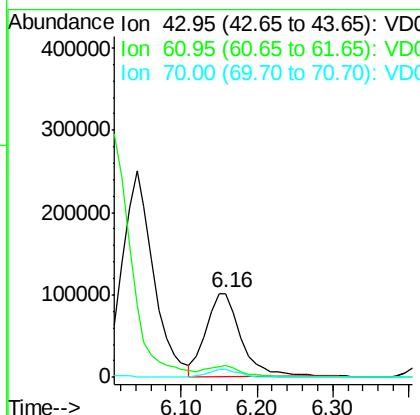
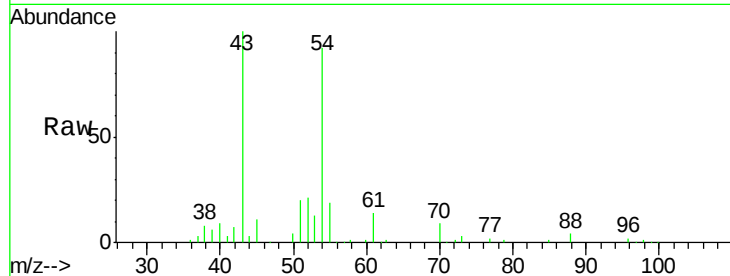
#37
Ethyl Acetate
Concen: 71.455 ug/l
RT: 6.16 min Scan# 481
Delta R.T. 0.00 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	14.7	22.1#
70	9.4	7.8	11.6

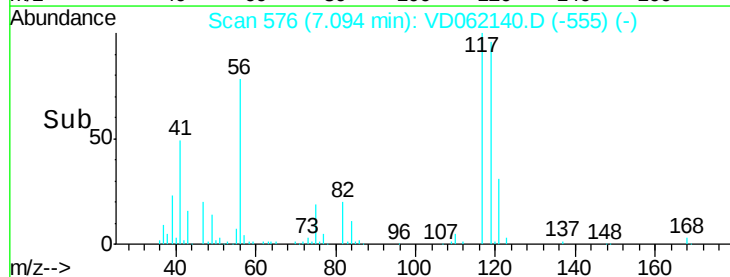
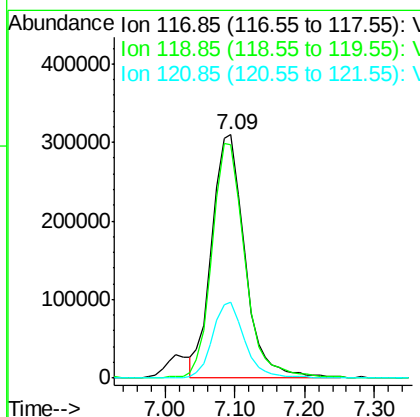
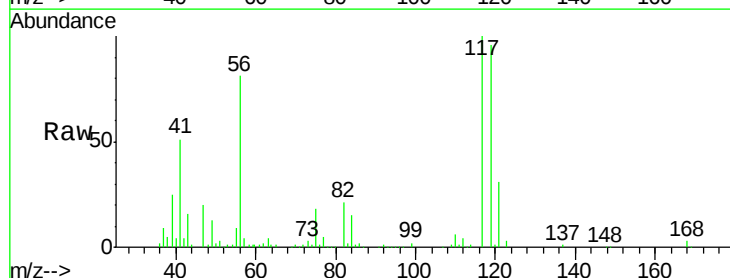
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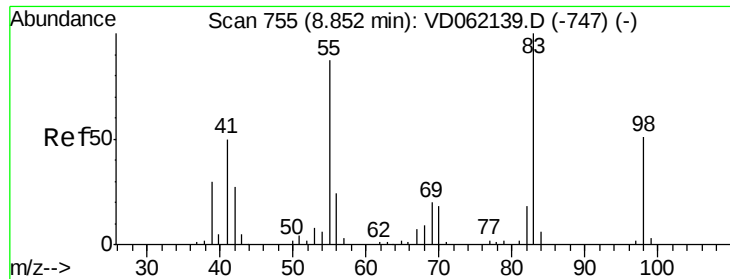
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#38
Carbon Tetrachloride
Concen: 68.911 ug/l m
RT: 7.09 min Scan# 576
Delta R.T. 0.00 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	75.8	113.8
121	31.4	25.9	38.9





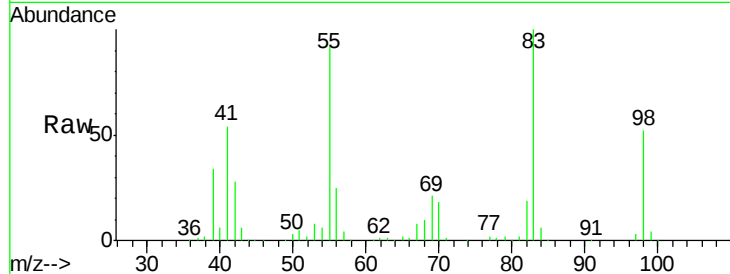
#39
Methvlcvclohexane
Concen: 74.026 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.01 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

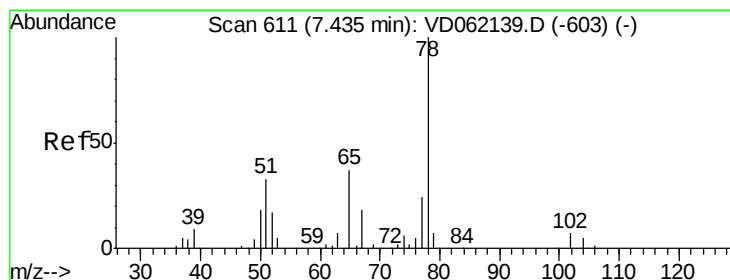
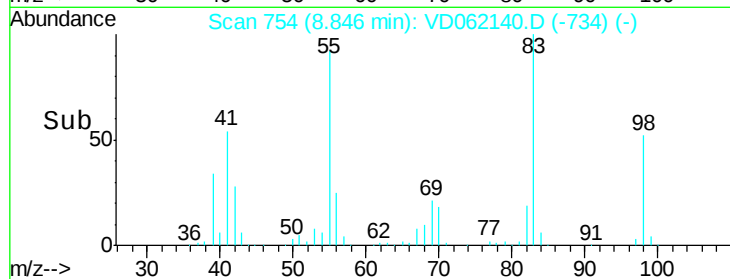
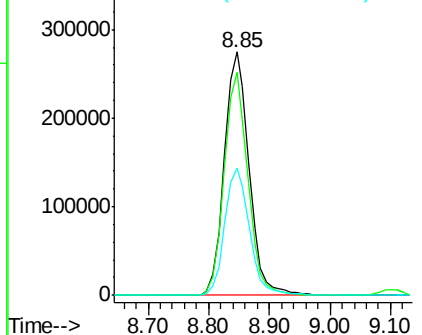
Tot Ion	Ratio	Lower	Upper
83	100		
55	91.6	68.2	102.4
98	52.4	38.2	57.4

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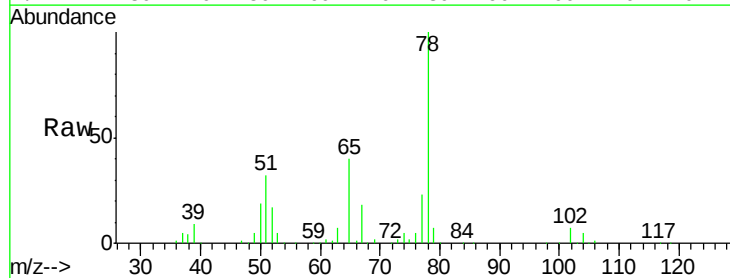


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

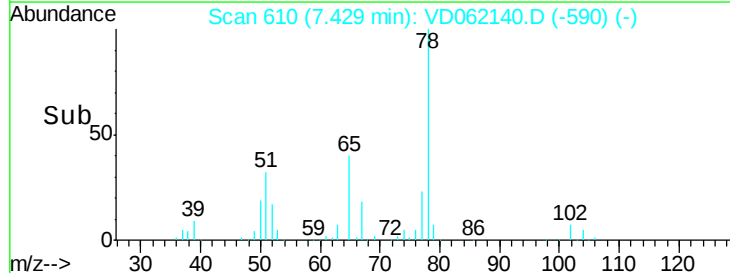
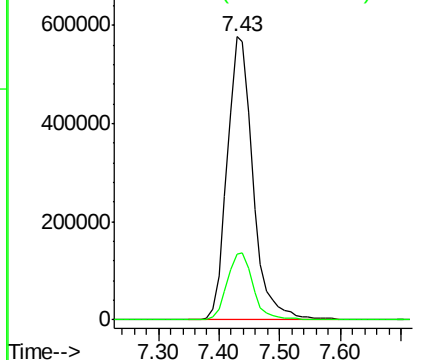


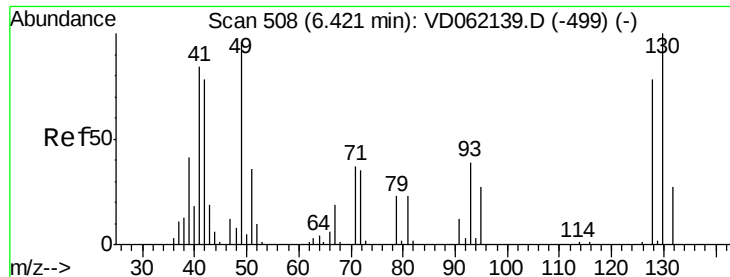
#40
Benzene
Concen: 71.868 ug/l
RT: 7.43 min Scan# 610
Delta R.T. -0.01 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.7	29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





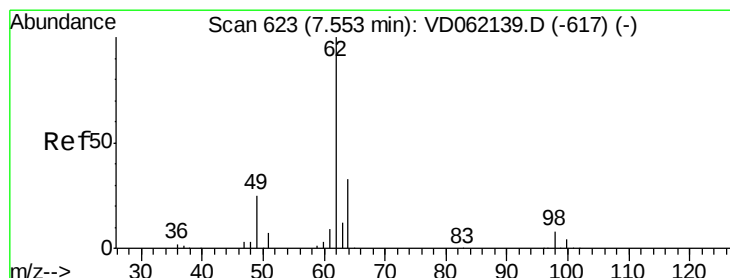
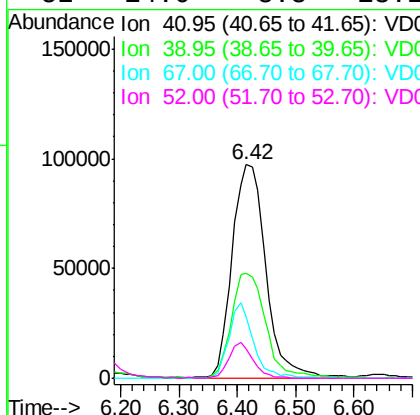
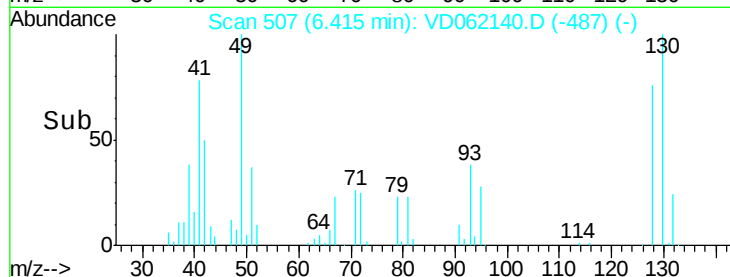
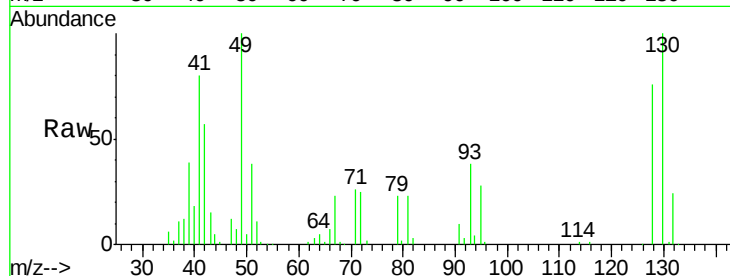
#41
Methacrylonitrile
Concen: 73.848 ug/l
RT: 6.42 min Scan# 507
Delta R.T. -0.01 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
41	100			
39	49.3		34.1	51.1
67	28.5		23.8	35.6
52	14.0		8.8	13.2

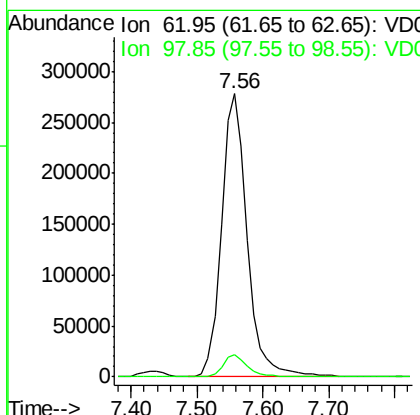
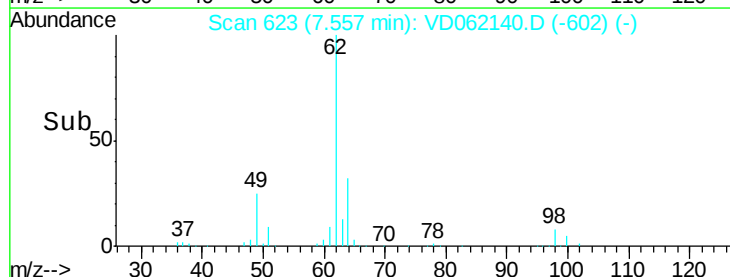
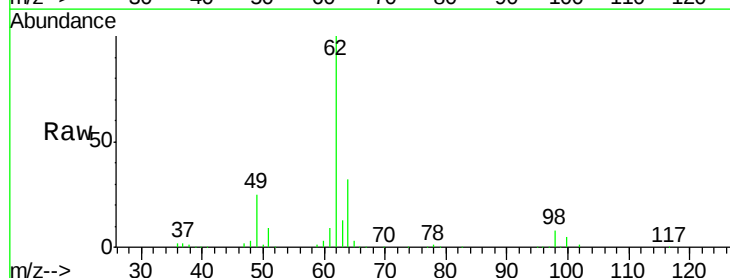
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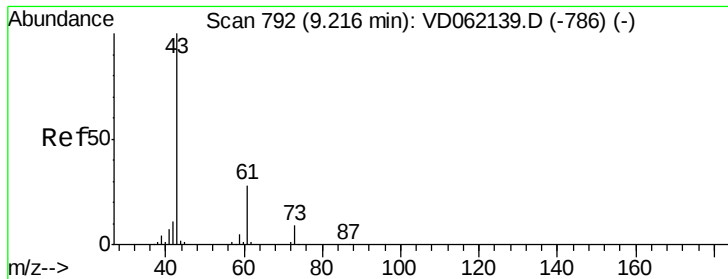
MMDadoda
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#42
1,2-Dichloroethane
Concen: 73.989 ug/l
RT: 7.56 min Scan# 623
Delta R.T. 0.00 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
62	100			
98	8.0		0.0	17.8





#43

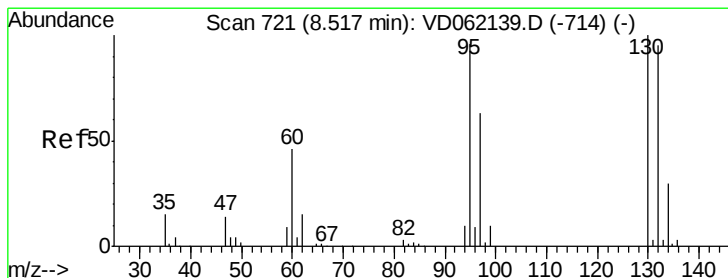
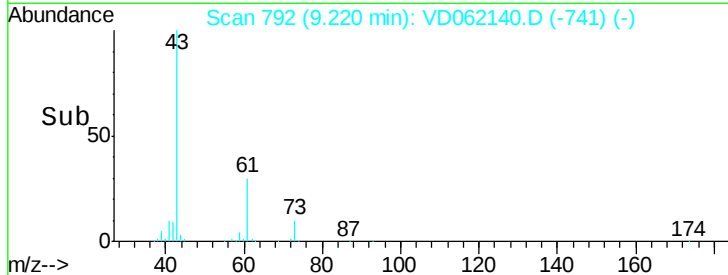
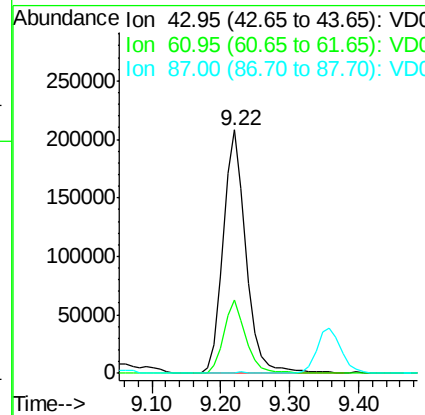
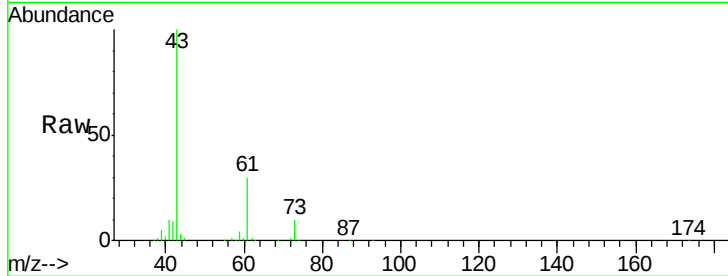
Isopropyl Acetate
 Concen: 74.536 ug/l
 RT: 9.22 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: VD062140.D
 Acq: 7 May 2019 13:34

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.3	25.1	37.7
87	0.3	0.0	0.0

Manual Integrations
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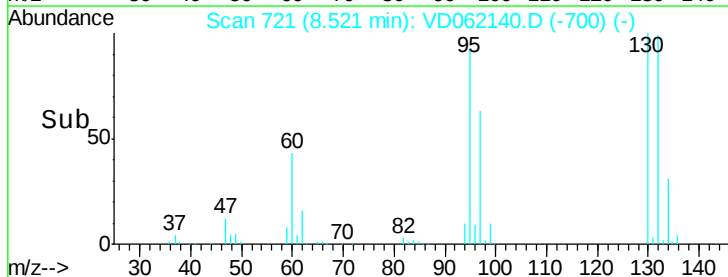
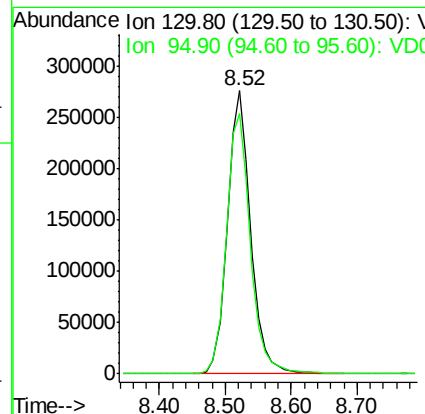
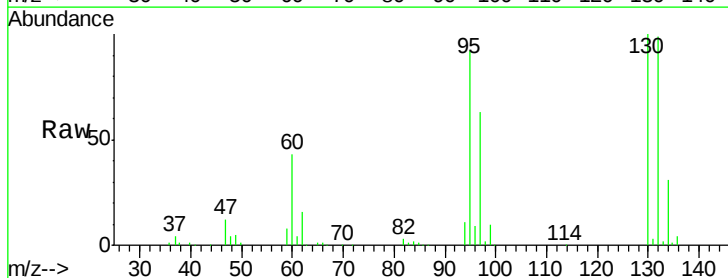
MMDadoda
 5/9/2019 12:56:34 AM

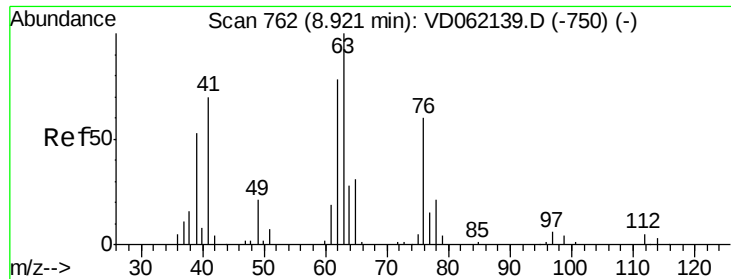


#44

Trichloroethene
 Concen: 72.676 ug/l
 RT: 8.52 min Scan# 721
 Delta R.T. 0.00 min
 Lab File: VD062140.D
 Acq: 7 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.9	0.0	174.0





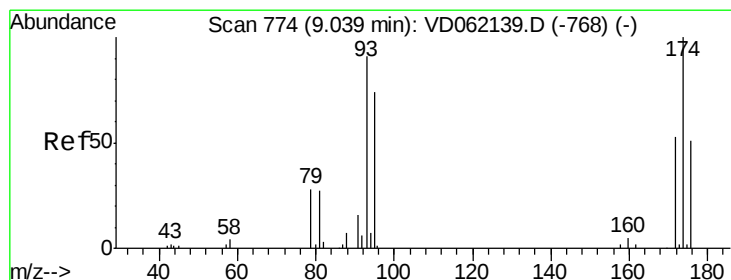
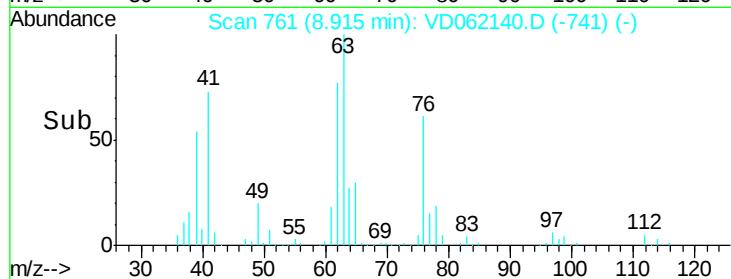
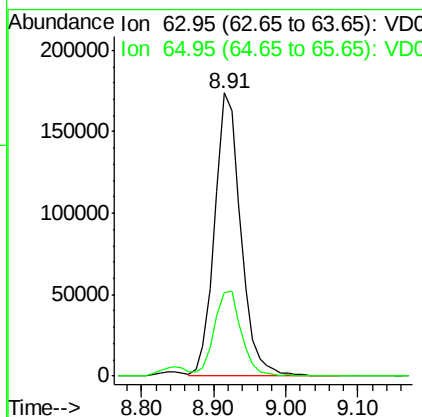
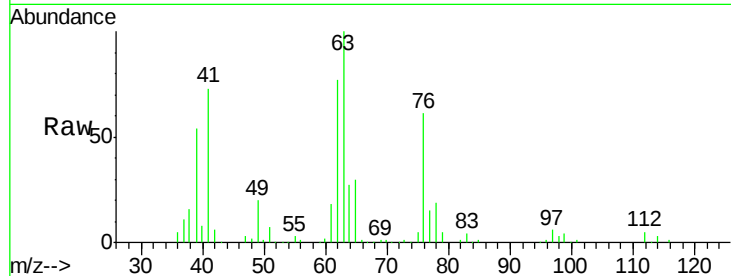
#45
 1,2-Dichloropropane
 Concen: 74.056 ug/l
 RT: 8.91 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VD062140.D
 Acq: 7 May 2019 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion: 63 Resp: 435967
 Ion Ratio Lower Upper
 63 100
 65 29.6 23.8 35.6

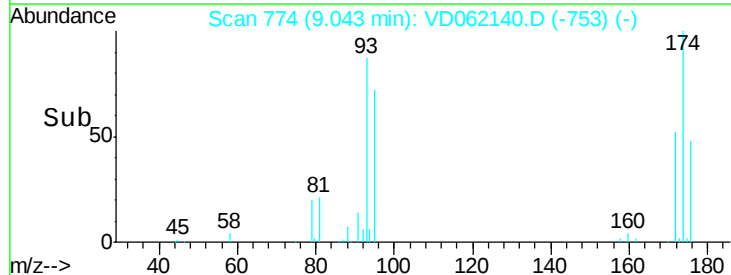
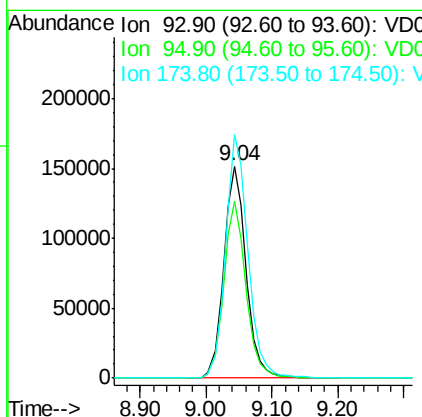
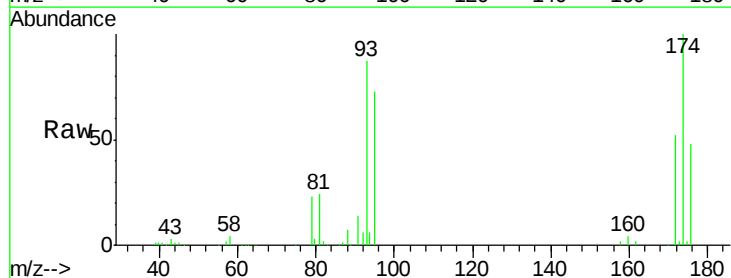
Manual Integrations
 APPROVED

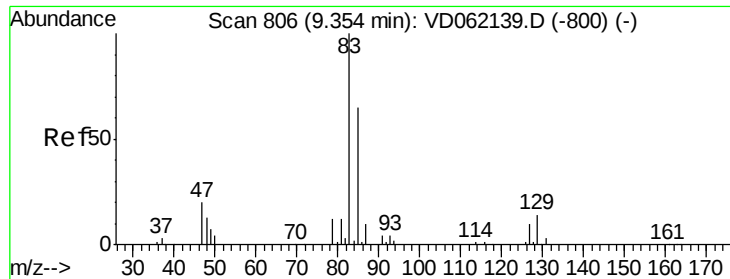
MMDadoda
 5/9/2019 12:56:34 AM



#46
 Dibromomethane
 Concen: 74.210 ug/l
 RT: 9.04 min Scan# 774
 Delta R.T. 0.00 min
 Lab File: VD062140.D
 Acq: 7 May 2019 13:34

Tgt Ion: 93 Resp: 358505
 Ion Ratio Lower Upper
 93 100
 95 83.5 64.8 97.2
 174 114.9 79.3 118.9





#47

Bromodichloromethane

Concen: 76.222 ug/l

RT: 9.36 min Scan# 806

Delta R.T. 0.00 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Instrument :

MSVOA_D

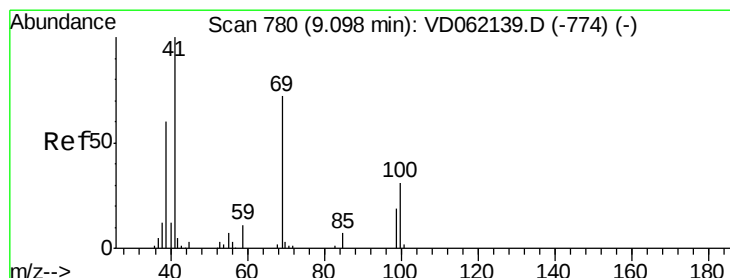
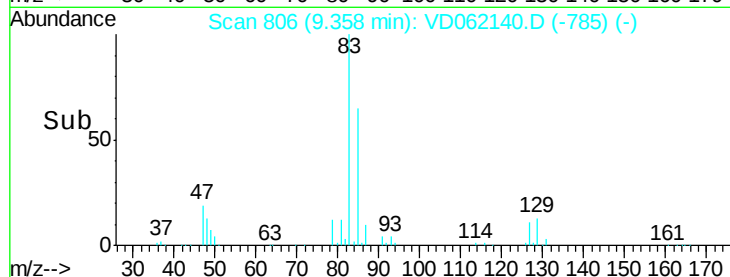
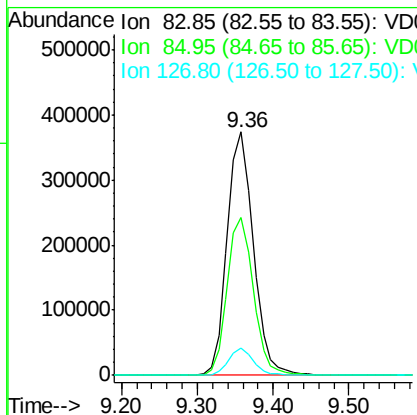
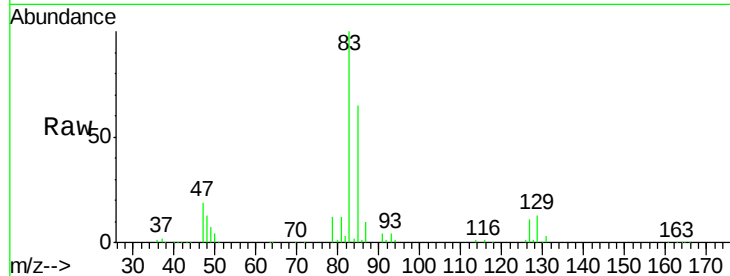
ClientSampled :

VSTDIC075

Tot Ion:	83	Resp:	899010
Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.9	76.3
127	11.0	8.1	12.1

Manual Integrations
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MMDadoda
5/9/2019 12:56:34 AM



#48

Methyl methacrylate

Concen: 74.564 ug/l

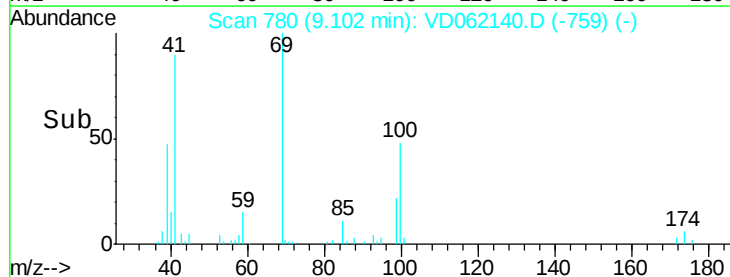
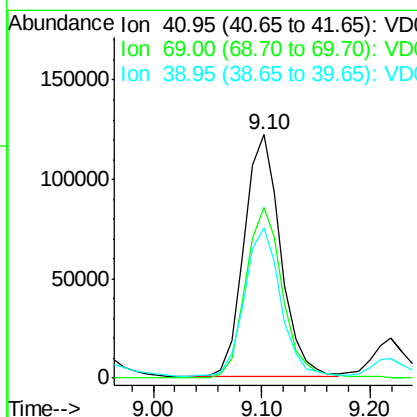
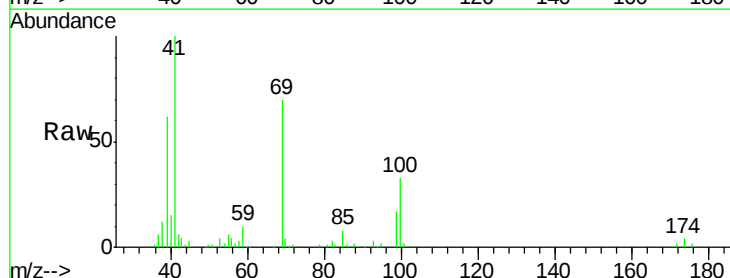
RT: 9.10 min Scan# 780

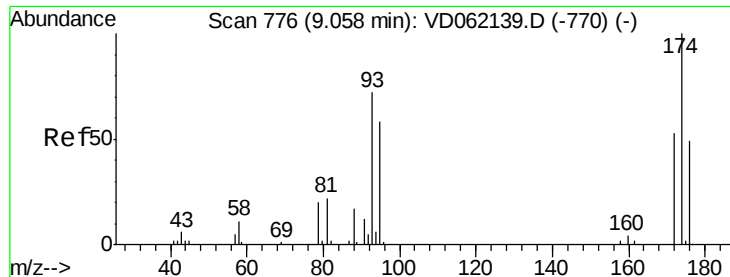
Delta R.T. 0.00 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Tgt Ion:	41	Resp:	284192
Ion	Ratio	Lower	Upper
41	100		
69	70.2	64.2	96.2
39	61.5	46.8	70.2





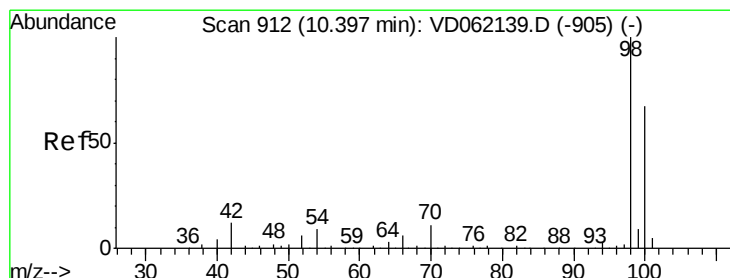
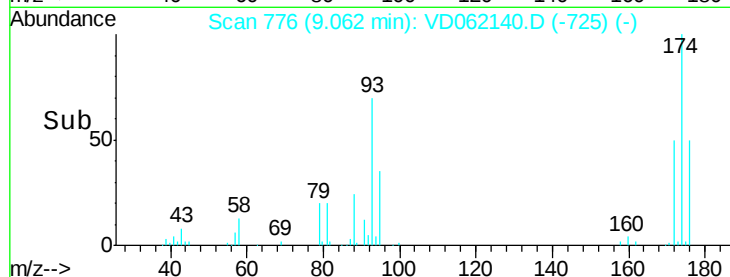
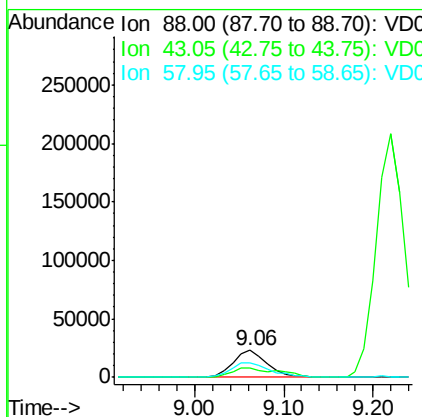
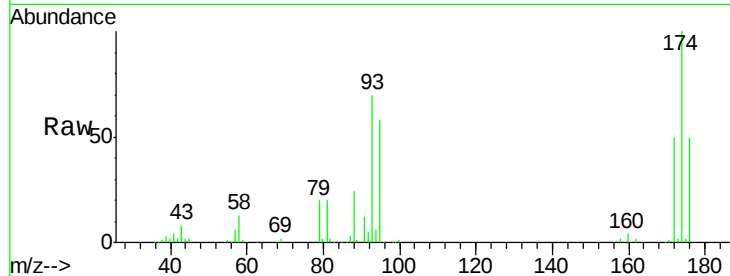
#49
1,4-Dioxane
Concen: 1491.047 ug/l
RT: 9.06 min Scan# 776
Delta R.T. 0.00 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.4	23.4	35.0
58	55.2	44.0	66.0

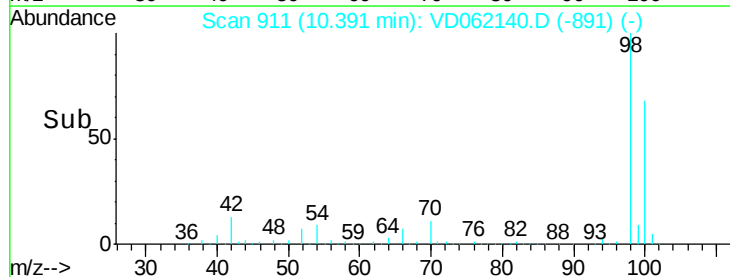
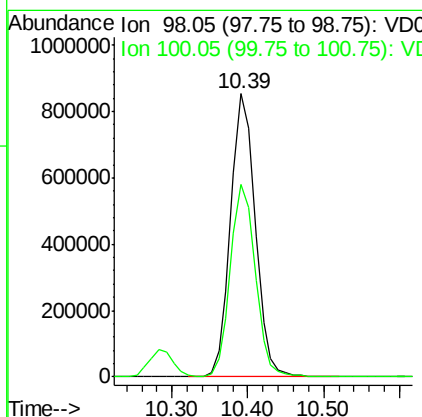
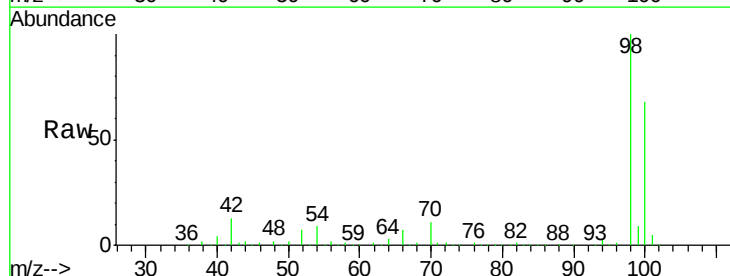
Manual Integrations
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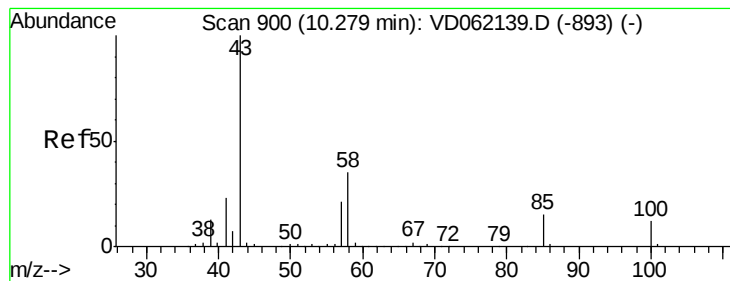
MMDadoda
5/9/2019 12:56:34 AM



#50
Toluene-d8
Concen: 68.964 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.8	53.8	80.8





#51

4-Methyl-2-Pentanone

Concen: 374.437 ug/l

RT: 10.28 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Tot Ion: 43 Resp: 1475917

Ion Ratio Lower Upper

43 100

58 36.3 30.4 45.6

Instrument :

MSVOA_D

ClientSampleId :

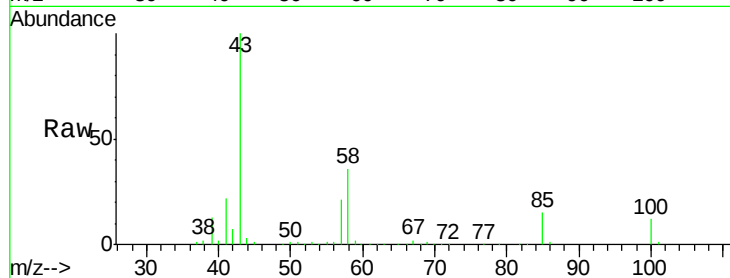
VSTDIC075

Manual Integrations

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MMDadoda

5/9/2019 12:56:34 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.28

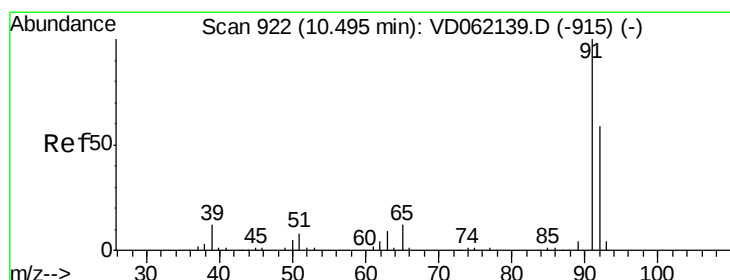
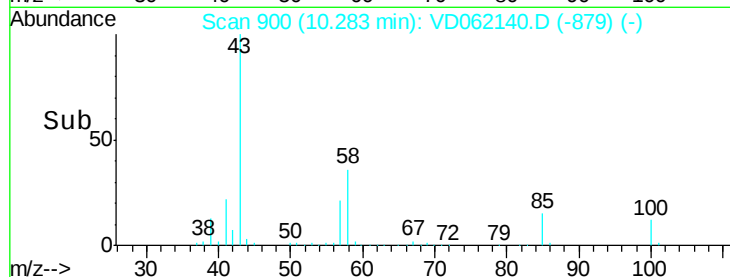
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 72.423 ug/l

RT: 10.49 min Scan# 921

Delta R.T. -0.01 min

Lab File: VD062140.D

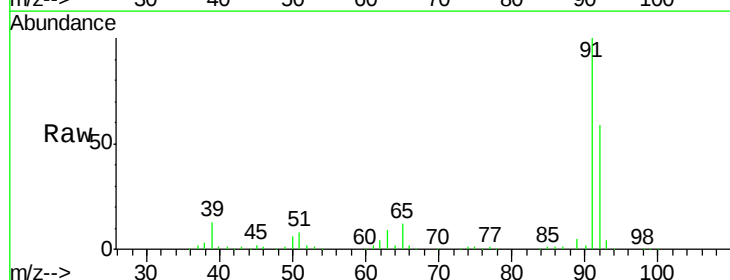
Acq: 7 May 2019 13:34

Tgt Ion: 92 Resp: 1133522

Ion Ratio Lower Upper

92 100

91 168.9 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

1000000

800000

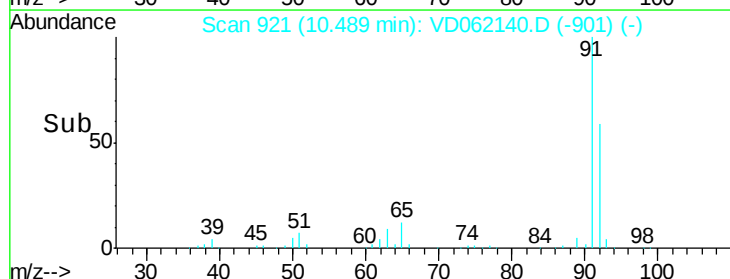
600000

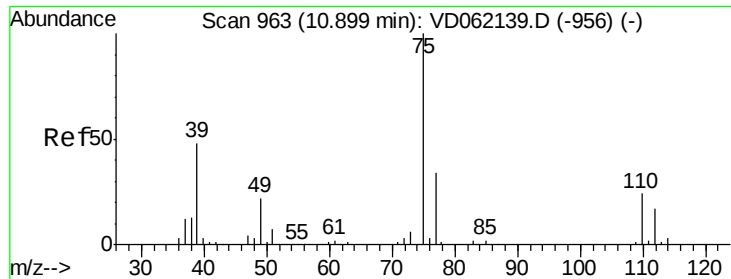
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 75.162 ug/l

RT: 10.89 min Scan# 962

Delta R.T. -0.01 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Tot Ion: 75 Resp: 776950

Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.8

Instrument :

MSVOA_D

ClientSampleId :

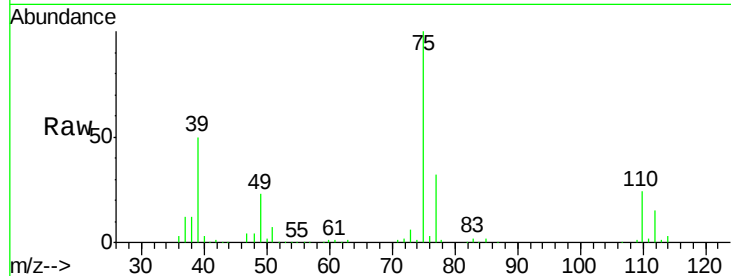
VSTDIC075

Manual Integrations

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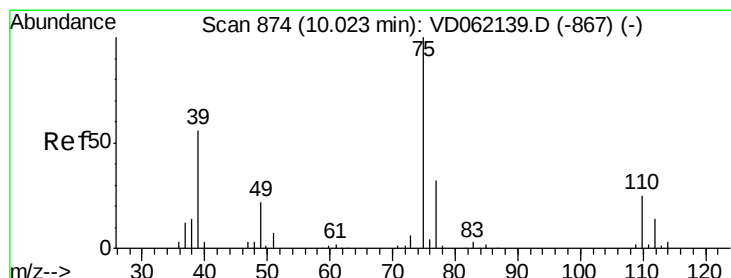
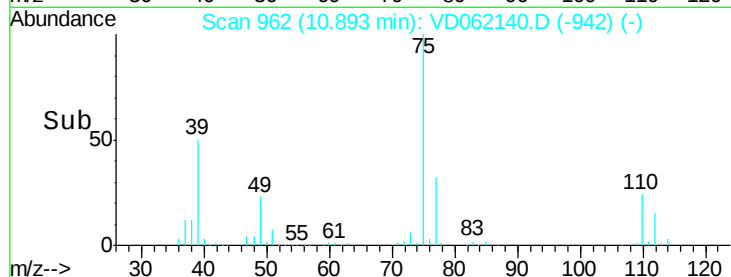
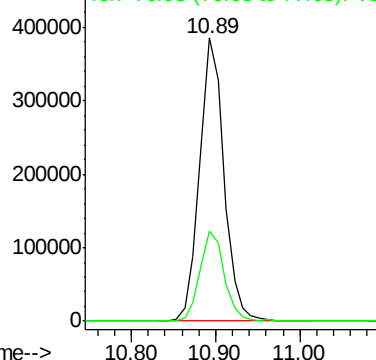
MMDadoda

5/9/2019 12:56:34 AM



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 69.936 ug/l

RT: 10.03 min Scan# 874

Delta R.T. 0.00 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

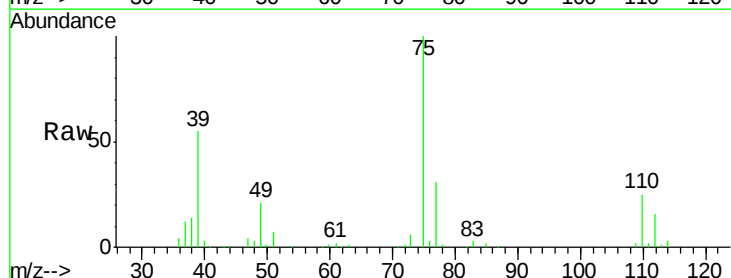
Tgt Ion: 75 Resp: 811162

Ion Ratio Lower Upper

75 100

77 31.2 25.5 38.3

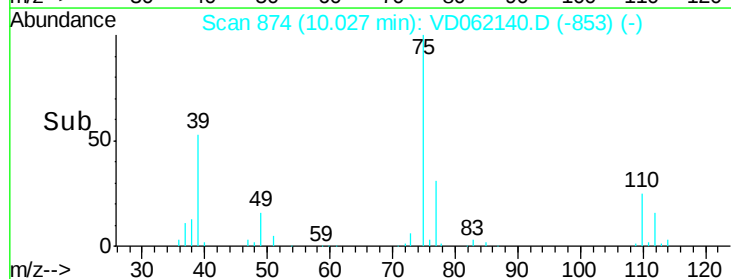
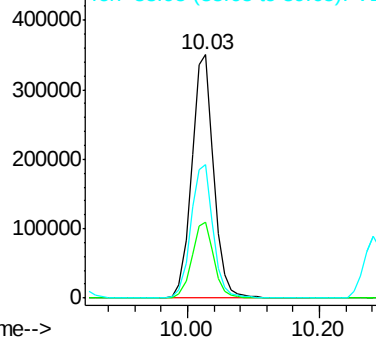
39 55.0 39.4 59.2

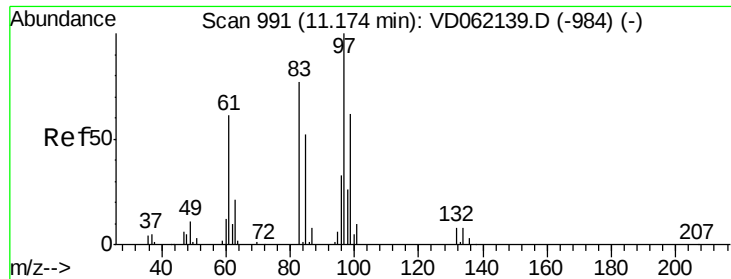


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





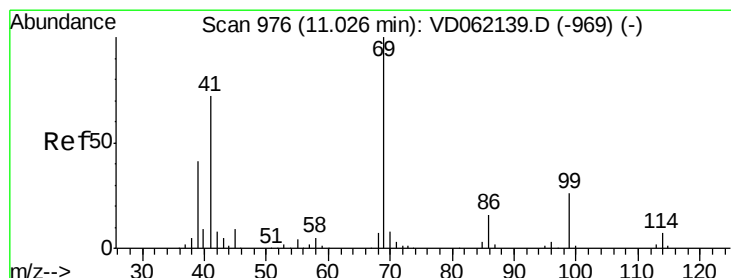
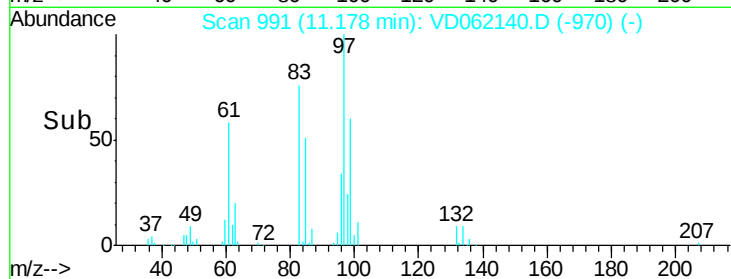
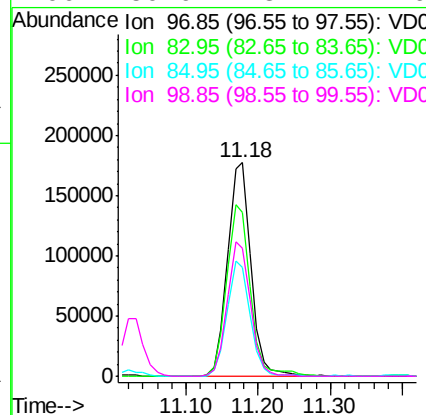
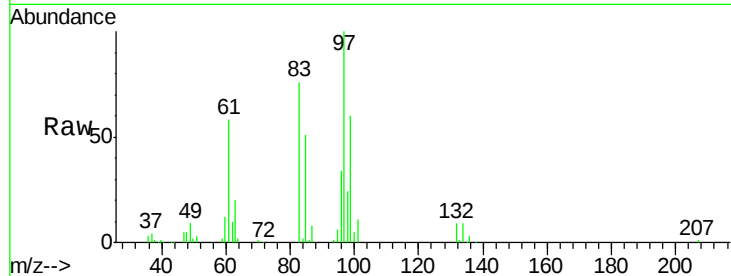
#55
 1,1,2-Trichloroethane
 Concen: 69.252 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VD062140.D
 Acq: 7 May 2019 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:	97	Resp:	397719
Ion	Ratio	Lower	Upper
97	100		
83	76.4	65.7	98.5
85	50.8	45.6	68.4
99	59.9	48.4	72.6

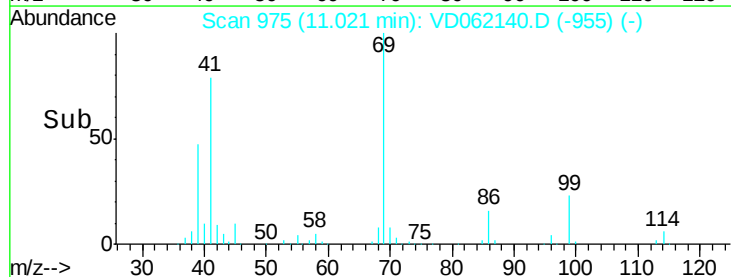
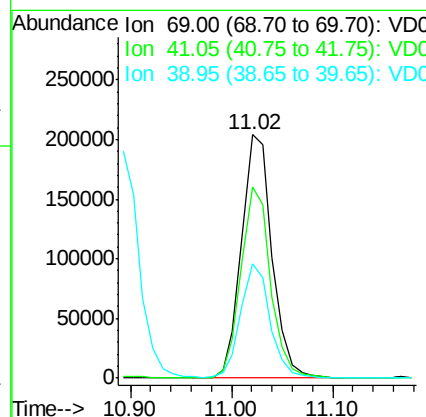
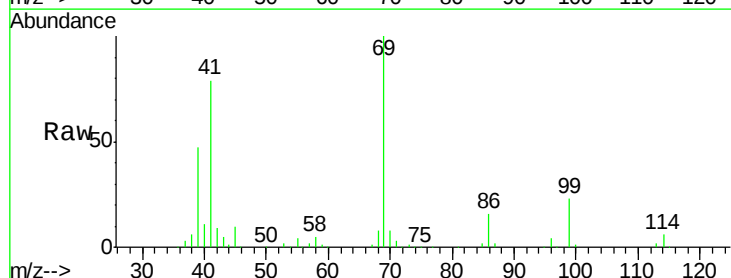
Manual Integrations
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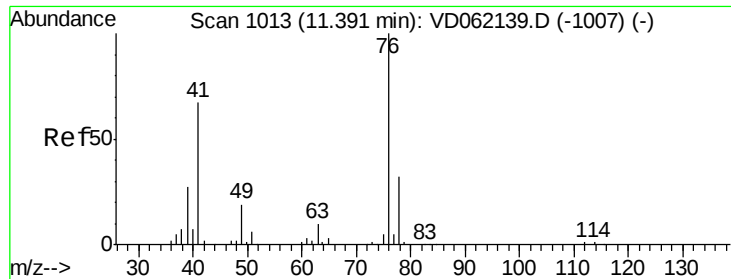
MMDadoda
 5/9/2019 12:56:34 AM



#56
 Ethyl methacrylate
 Concen: 72.071 ug/l
 RT: 11.02 min Scan# 975
 Delta R.T. -0.01 min
 Lab File: VD062140.D
 Acq: 7 May 2019 13:34

Tgt Ion:	69	Resp:	431222
Ion	Ratio	Lower	Upper
69	100		
41	78.8	56.3	84.5
39	46.9	29.4	44.2#





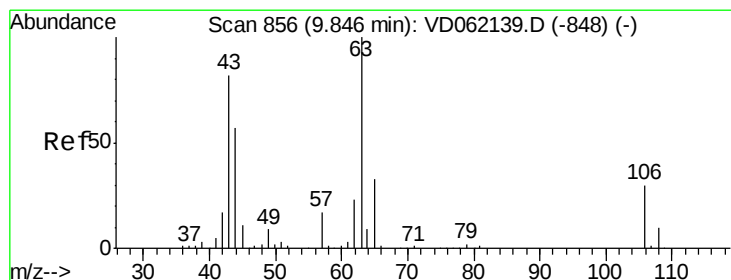
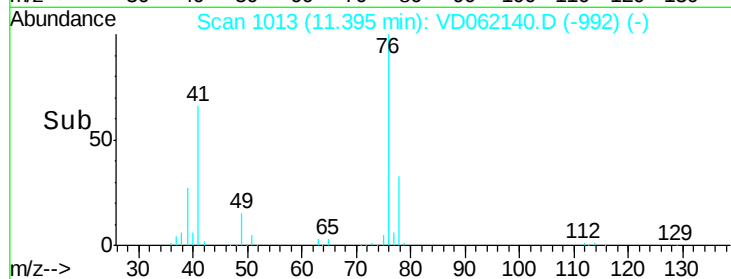
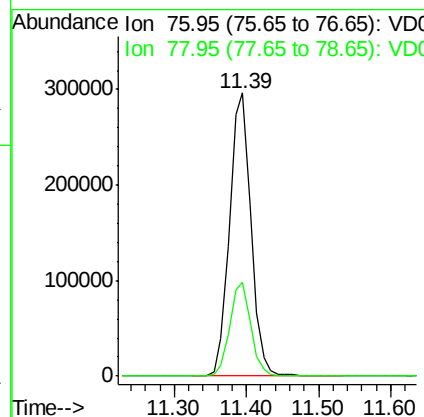
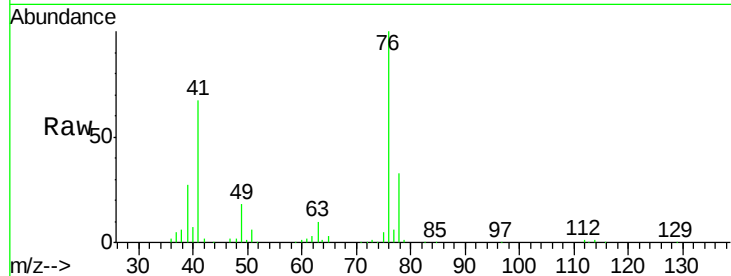
#57
 1,3-Dichloropropane
 Concen: 68.535 ug/l
 RT: 11.39 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VD062140.D
 Acq: 7 May 2019 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion: 76 Resp: 609257
 Ion Ratio Lower Upper
 76 100
 78 33.4 26.2 39.2

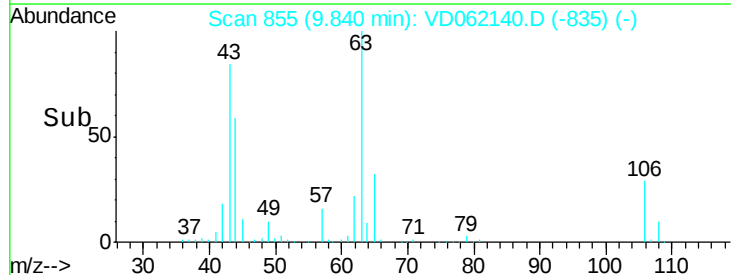
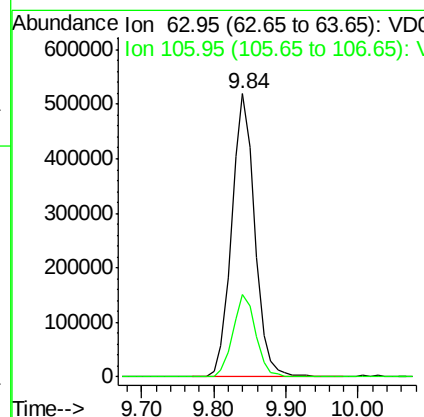
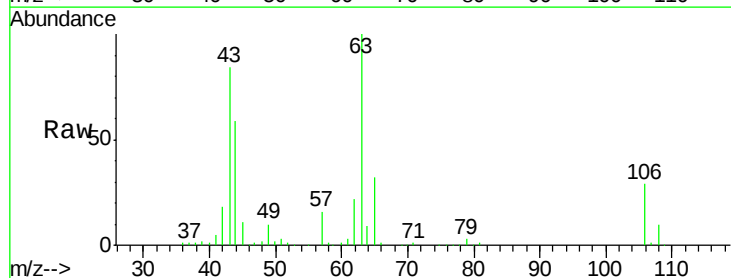
Manual Integrations
 APPROVED

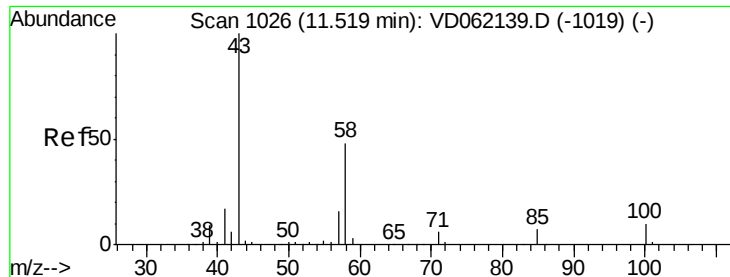
MMDadoda
 5/9/2019 12:56:34 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 360.818 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VD062140.D
 Acq: 7 May 2019 13:34

Tgt Ion: 63 Resp: 1152643
 Ion Ratio Lower Upper
 63 100
 106 29.0 22.6 34.0





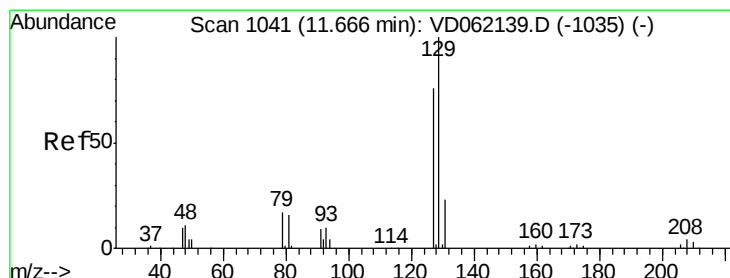
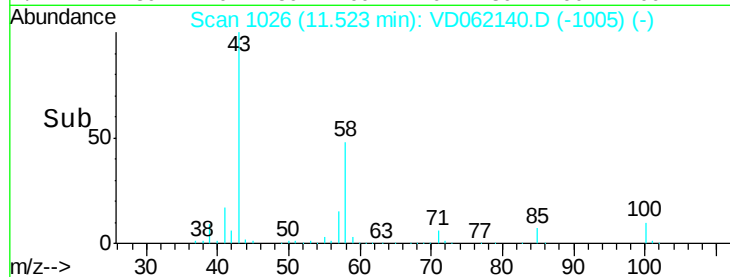
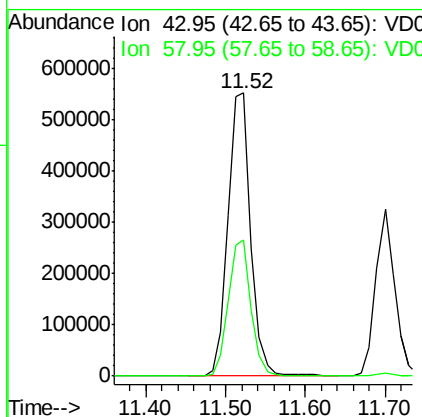
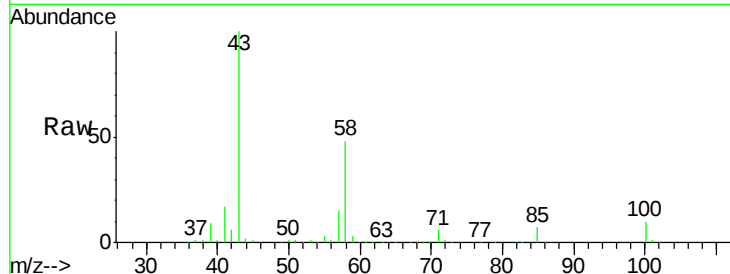
#59
2-Hexanone
Concen: 375.690 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 43 Resp: 1112924
Ion Ratio Lower Upper
43 100
58 48.2 25.4 76.4

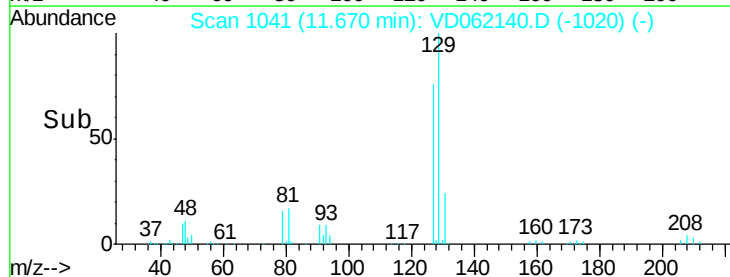
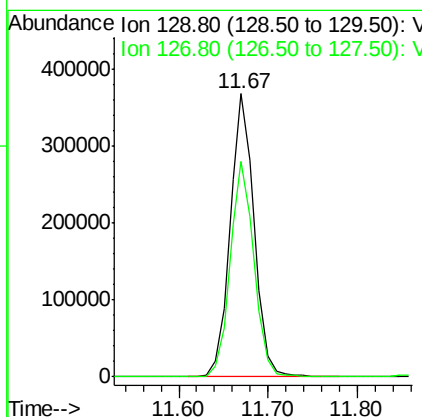
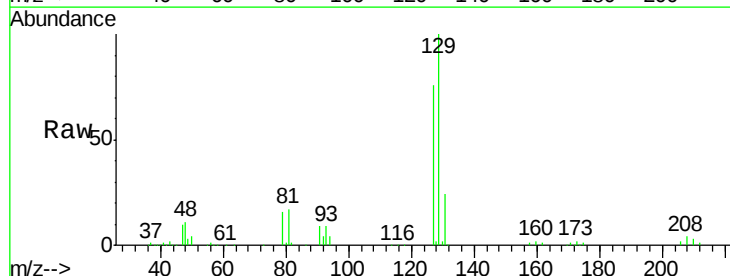
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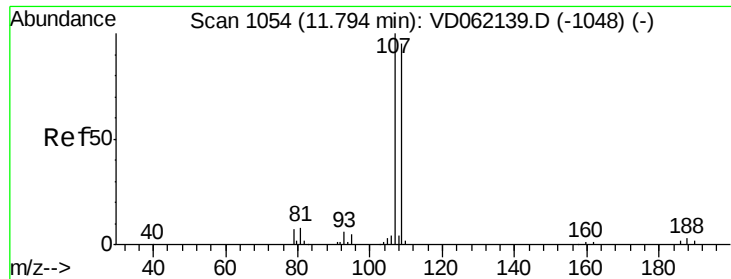
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#60
Dibromochloromethane
Concen: 71.373 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Tgt Ion: 129 Resp: 691894
Ion Ratio Lower Upper
129 100
127 76.0 38.0 113.9





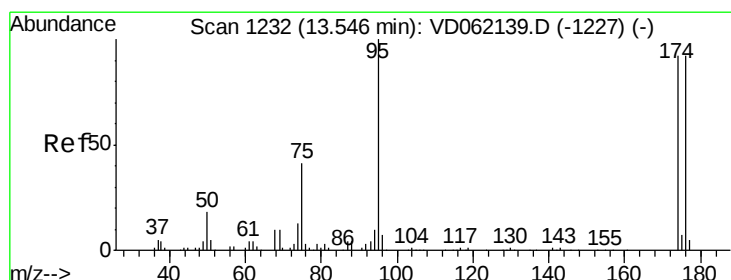
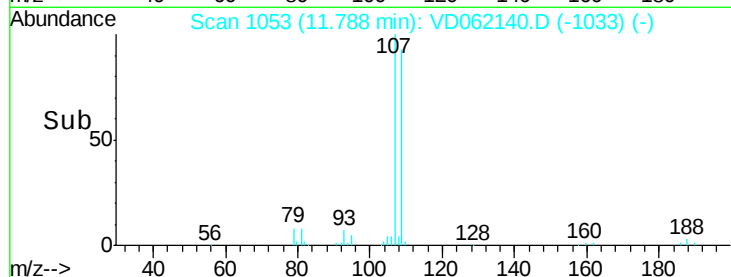
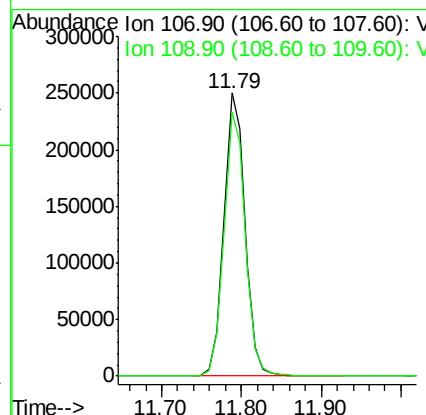
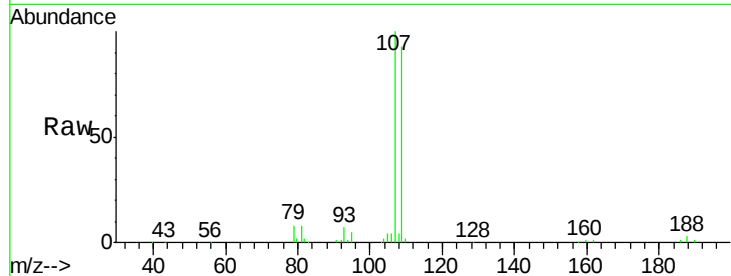
#61
 1,2-Dibromoethane
 Concen: 71.215 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD062140.D
 Acq: 7 May 2019 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	78.3	117.5

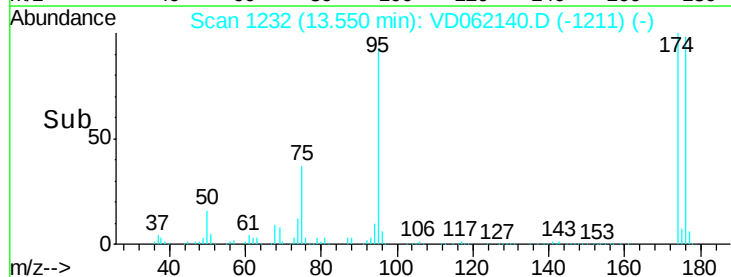
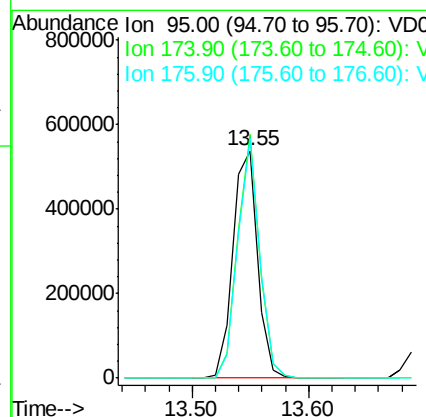
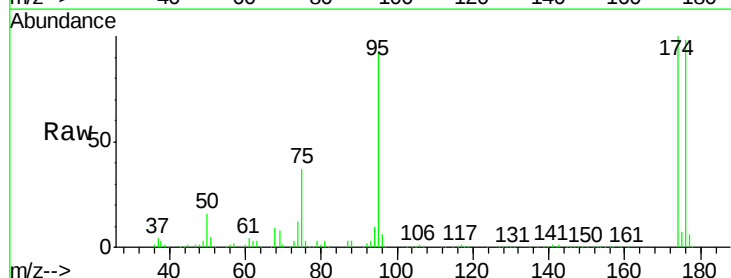
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#62
 4-Bromofluorobenzene
 Concen: 70.097 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD062140.D
 Acq: 7 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
95	100		
174	107.2	0.0	181.8
176	105.3	0.0	174.4





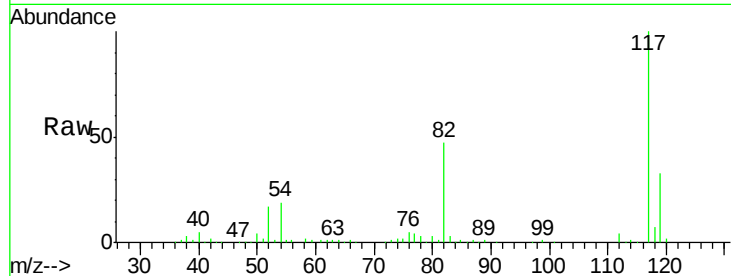
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

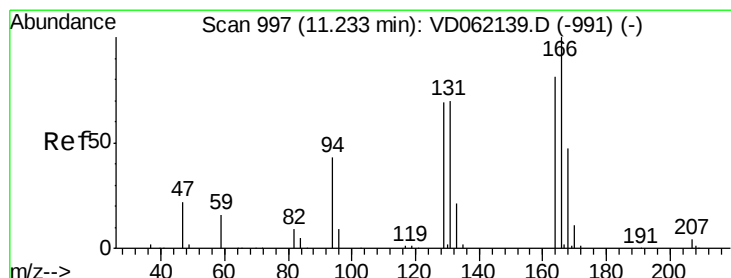
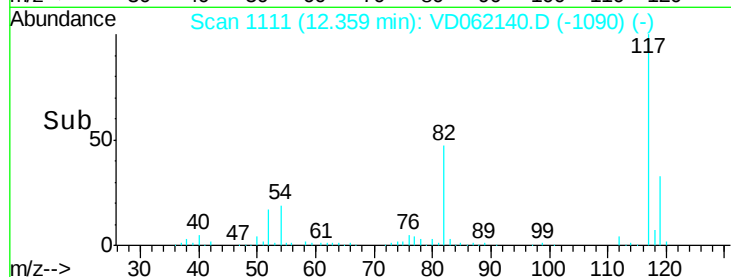
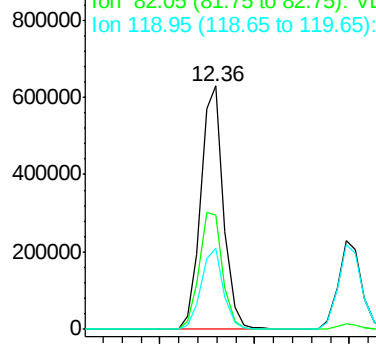
Tot Ion:117 Resp: 1038983
Ion Ratio Lower Upper
117 100
82 47.0 36.2 54.2
119 33.2 26.2 39.4

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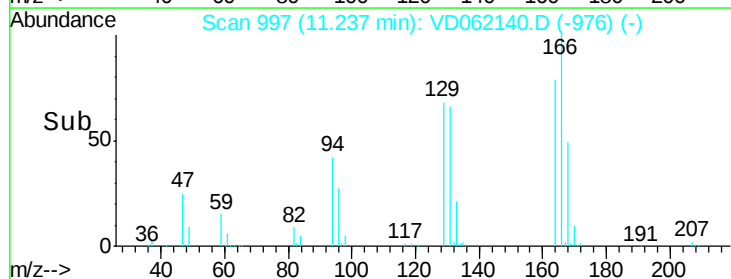
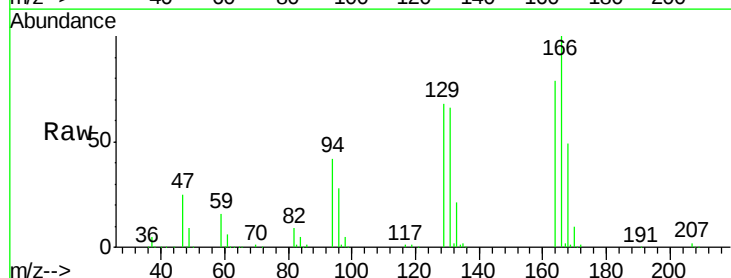
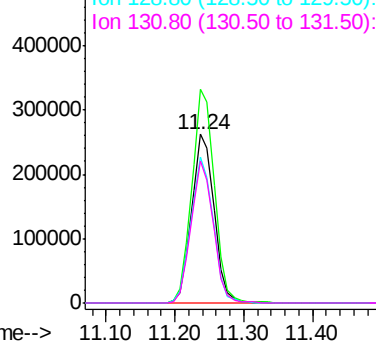
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

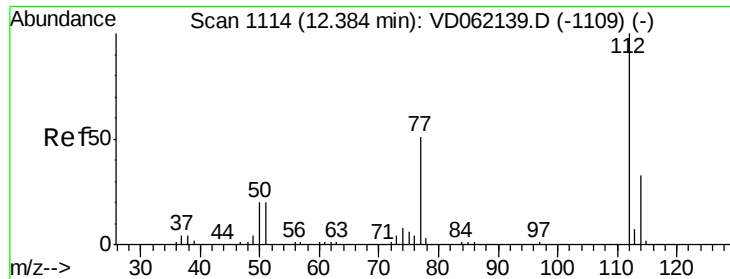


#64
Tetrachloroethene
Concen: 69.800 ug/l
RT: 11.24 min Scan# 997
Delta R.T. 0.00 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Tgt Ion:164 Resp: 590006
Ion Ratio Lower Upper
164 100
166 126.7 101.5 152.3
129 86.3 74.6 112.0
131 84.0 72.6 108.8

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 71.535 ug/l

RT: 12.39 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:112 Resp: 1364265

Ion Ratio Lower Upper

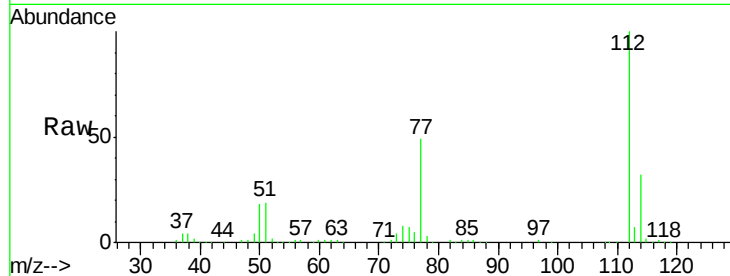
112 100

114 32.3 25.8 38.8

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V

12.39

800000

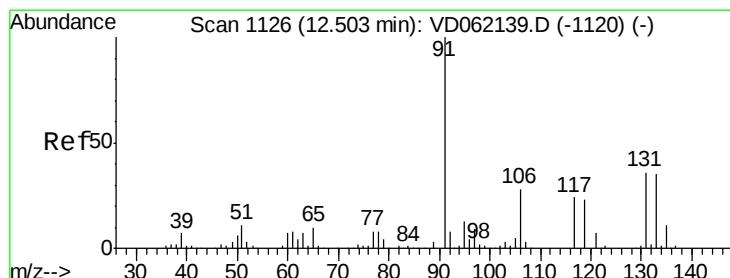
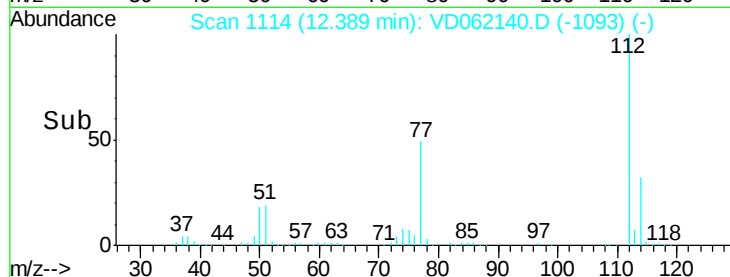
600000

400000

200000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 66.314 ug/l

RT: 12.50 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

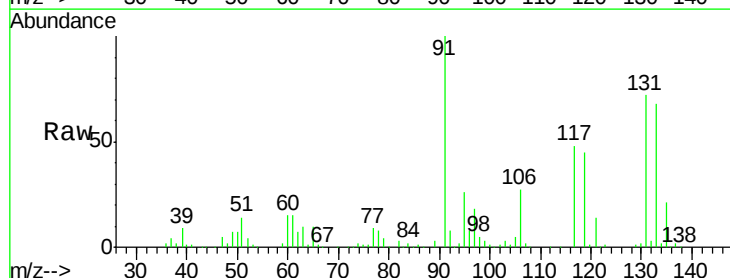
Tgt Ion:131 Resp: 598334

Ion Ratio Lower Upper

131 100

133 94.8 48.6 145.8

119 63.2 34.7 104.1



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

12.50

400000

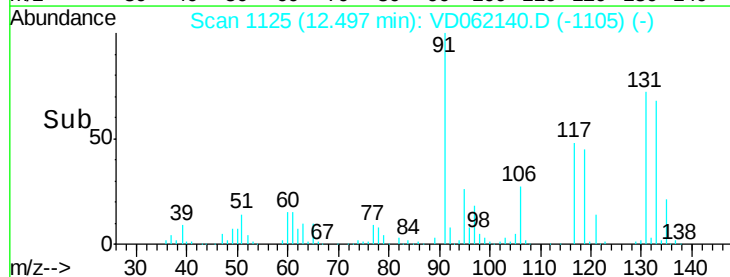
300000

200000

100000

0

Time-->





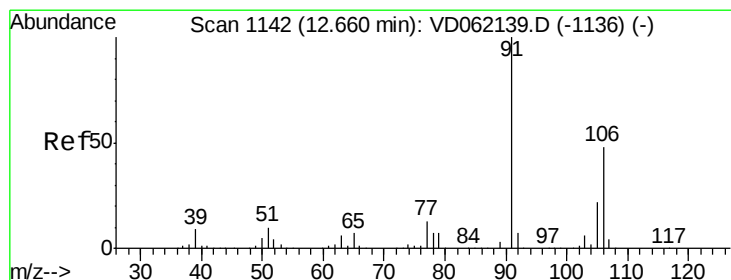
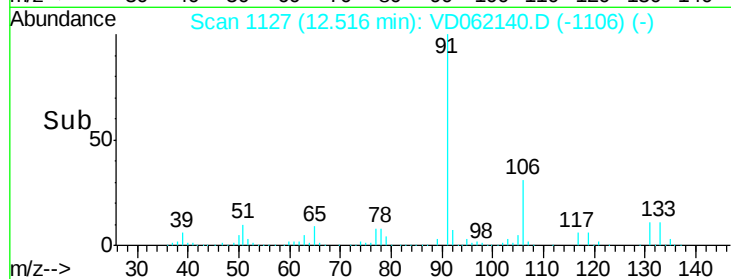
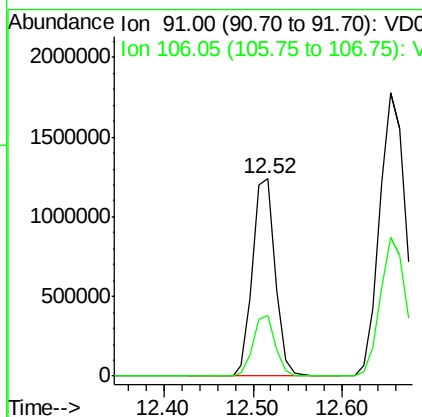
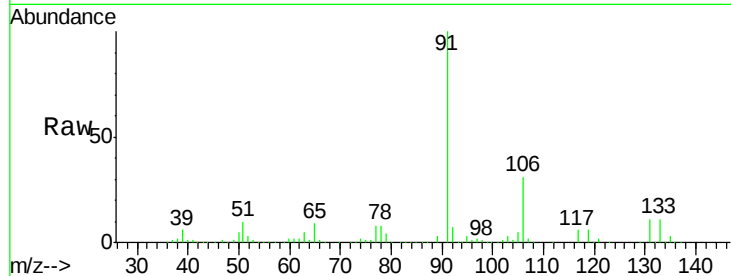
#67
Ethyl Benzene
Concen: 63.139 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 91 Resp: 2165325
Ion Ratio Lower Upper
91 100
106 30.9 24.7 37.1

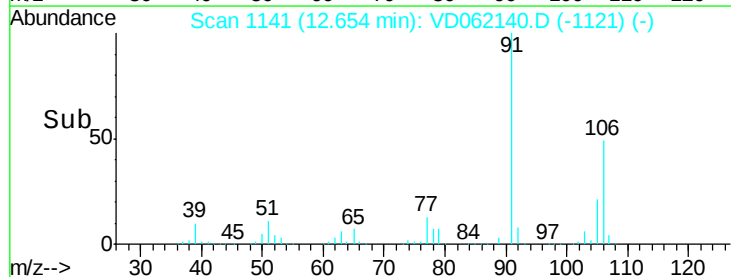
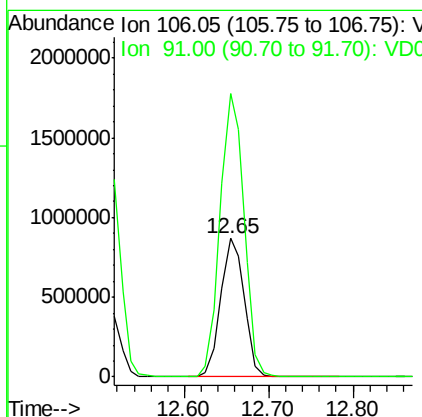
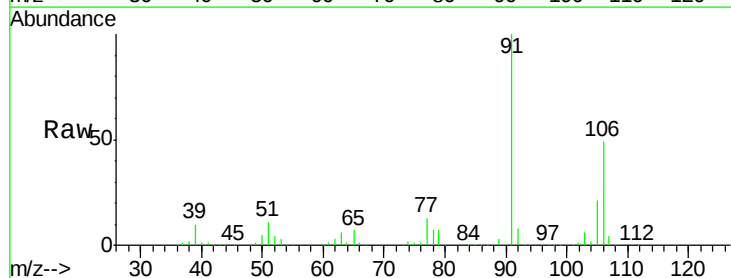
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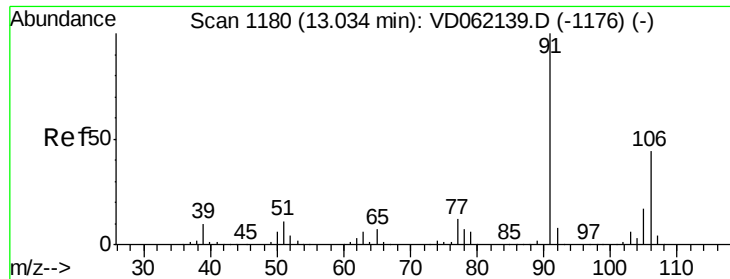
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#68
m/p-Xylenes
Concen: 130.923 ug/l
RT: 12.65 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Tgt Ion: 106 Resp: 1688988
Ion Ratio Lower Upper
106 100
91 204.8 164.0 246.0





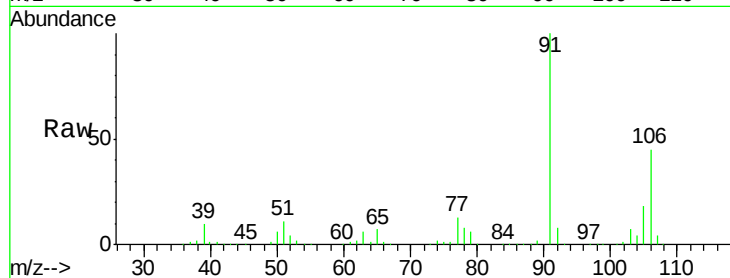
#69
o-Xylene
Concen: 69.672 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

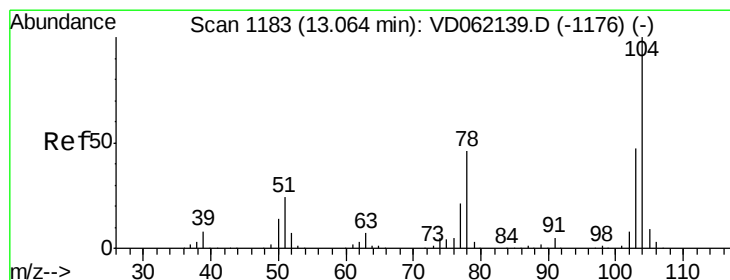
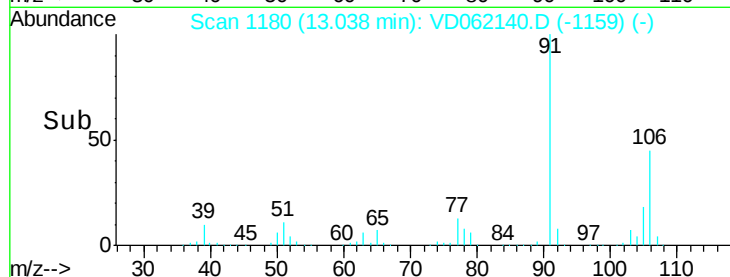
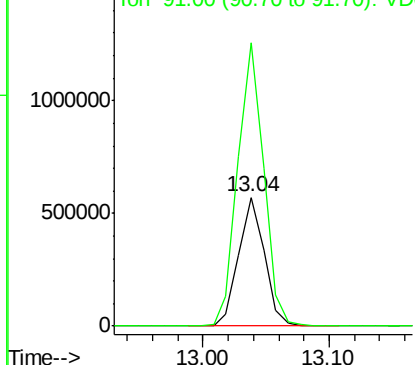
Tot Ion:106 Resp: 806778
Ion Ratio Lower Upper
106 100
91 220.1 106.7 319.9

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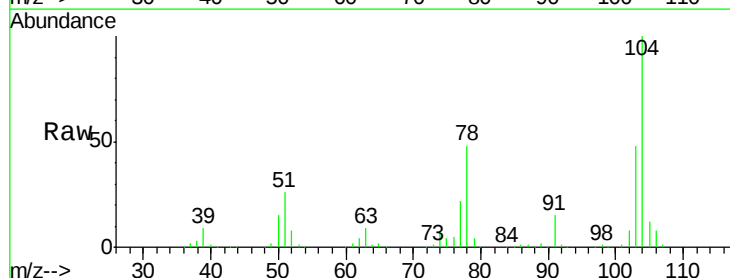


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

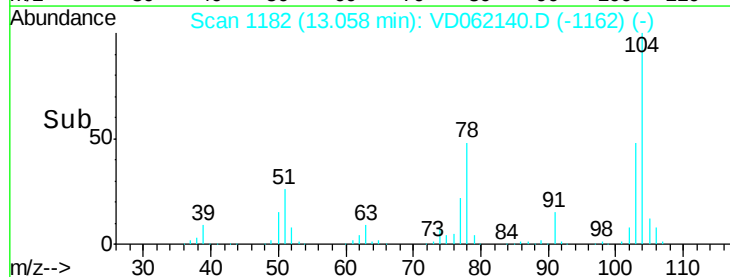
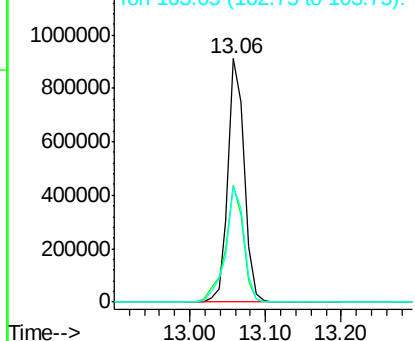


#70
Styrene
Concen: 71.437 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Tgt Ion:104 Resp: 1352363
Ion Ratio Lower Upper
104 100
78 47.9 35.4 53.2
103 47.7 37.5 56.3



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





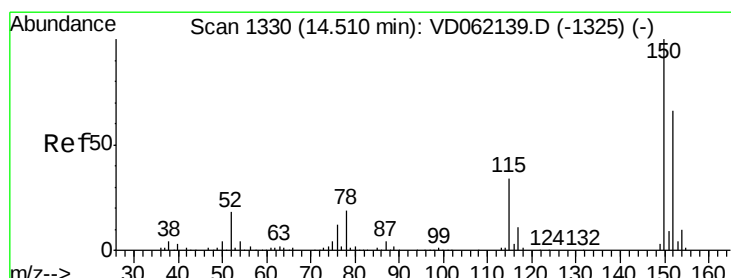
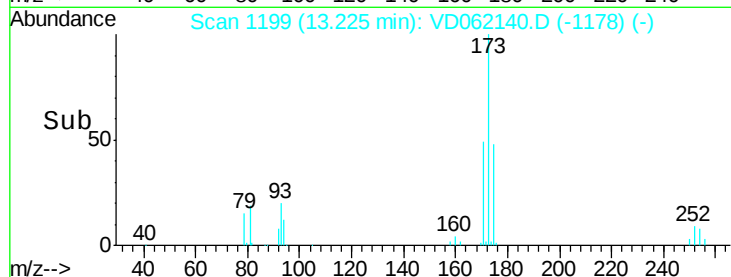
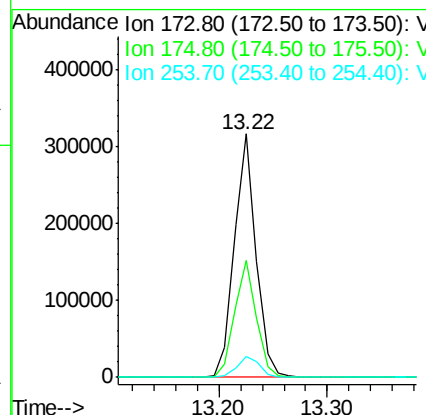
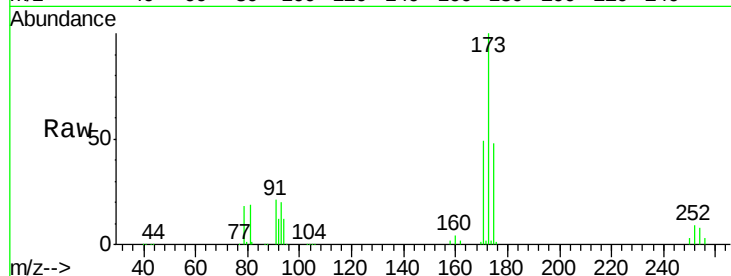
#71
Bromoform
Concen: 70.424 ug/l
RT: 13.22 min Scan# 1199
Delta R.T. 0.00 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.4	73.4
254	8.4	5.4	8.2#

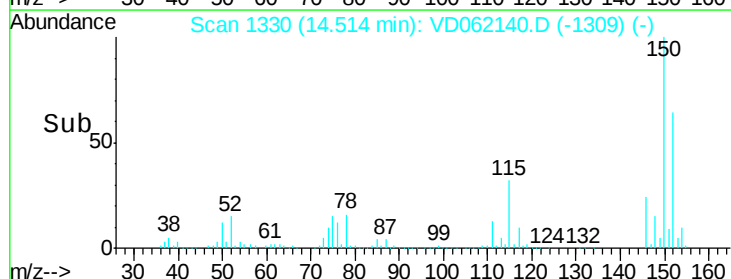
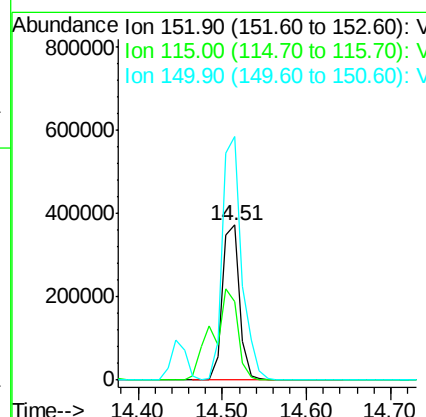
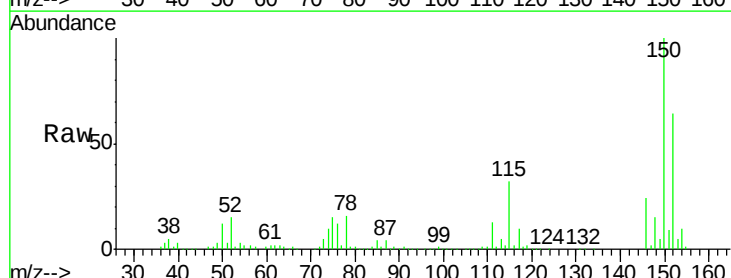
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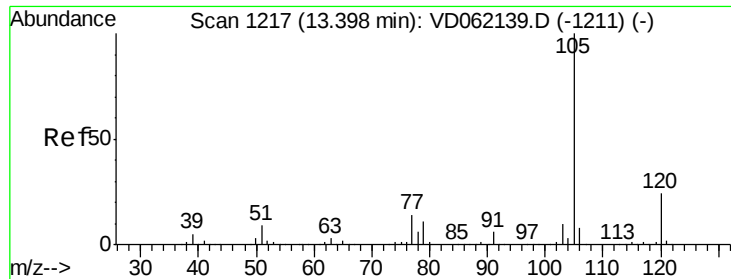
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.0	30.9	92.7
150	156.9	0.0	314.8





#73

Isopropylbenzene

Concen: 68.978 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:105 Resp: 2164754

Ion Ratio Lower Upper

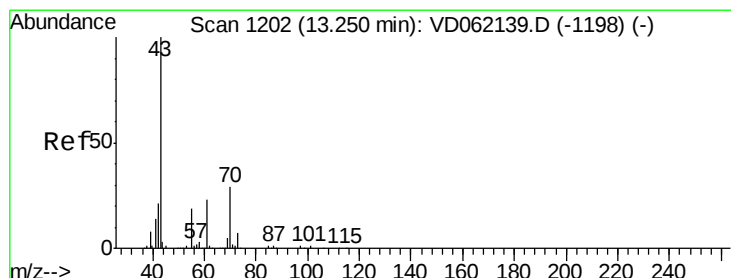
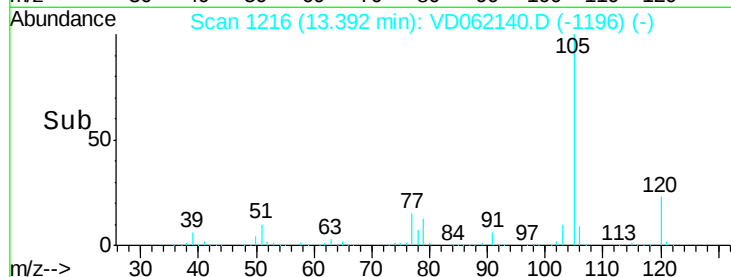
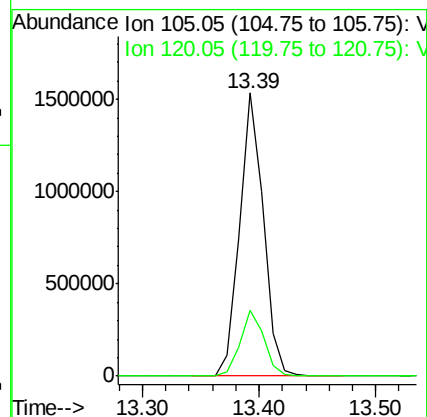
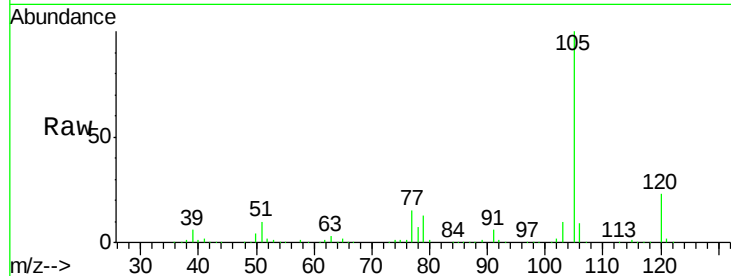
105 100

120 23.1 12.0 36.1

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#74

N-ethyl acetate

Concen: 79.744 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Tgt Ion: 43 Resp: 646572

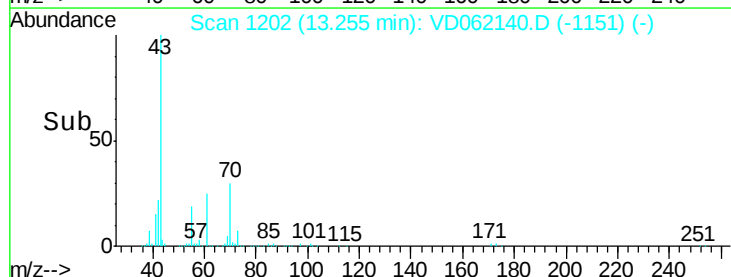
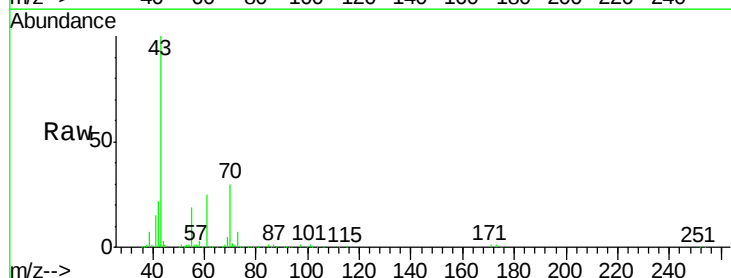
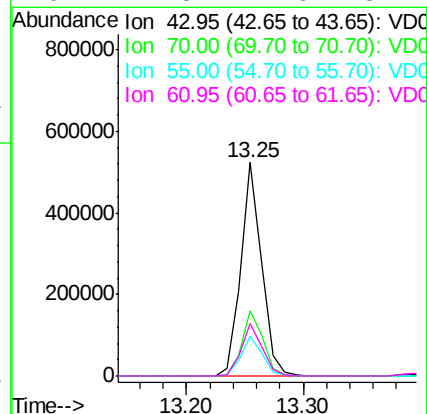
Ion Ratio Lower Upper

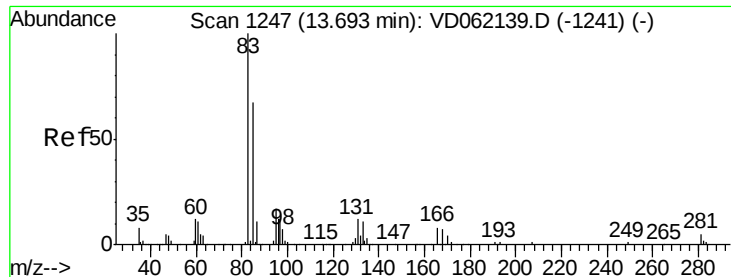
43 100

70 30.3 24.2 36.4

55 18.8 16.0 24.0

61 24.8 21.6 32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 82.400 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Instrument :

MSVOA_D

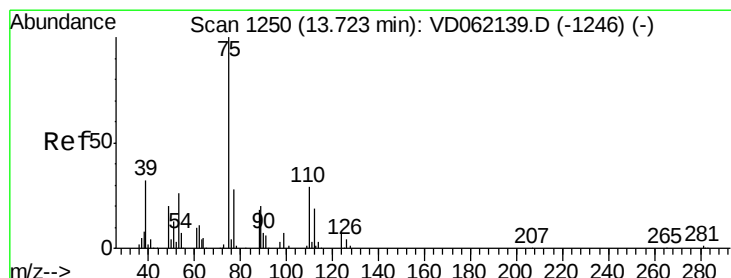
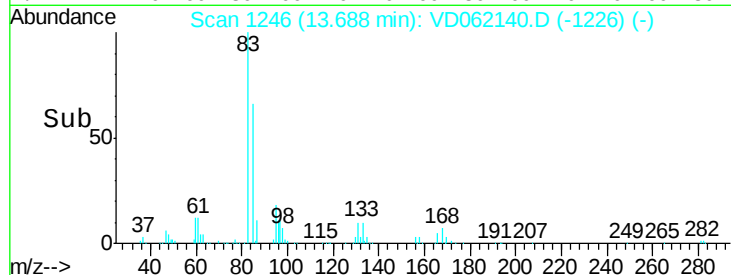
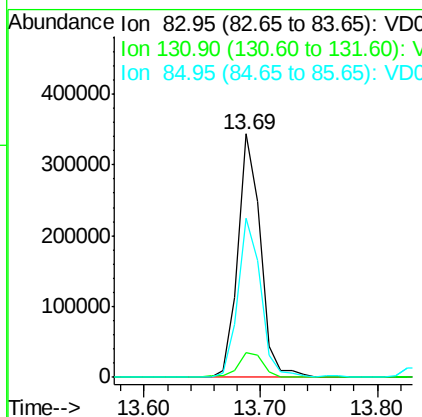
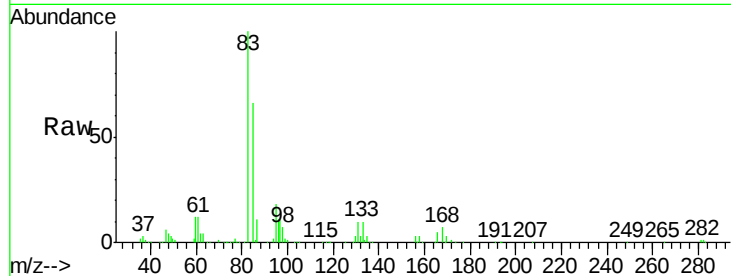
ClientSampleId :

VSTDIC075

Tot Ion:	83	Resp:	463554
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.0	14.9
85	65.5	32.6	97.7

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#76

1,2,3-Trichloropropane

Concen: 80.084 ug/l

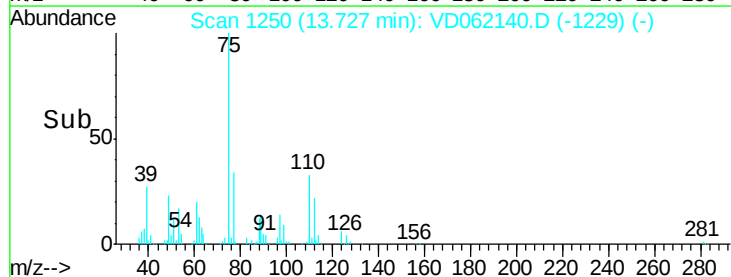
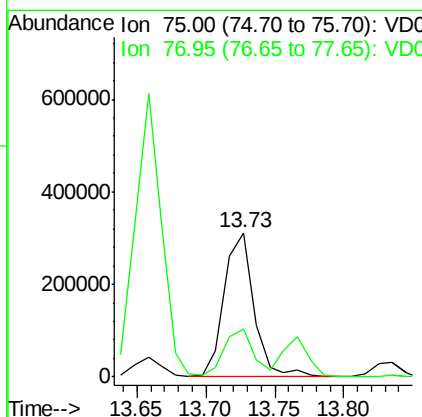
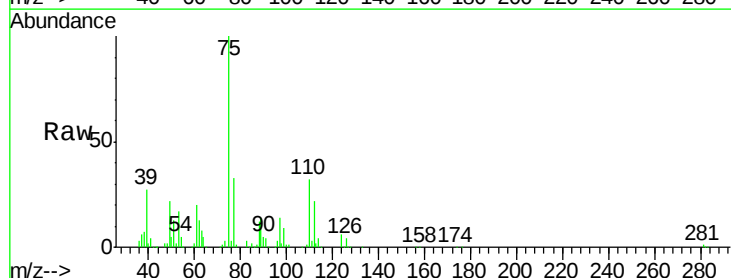
RT: 13.73 min Scan# 1250

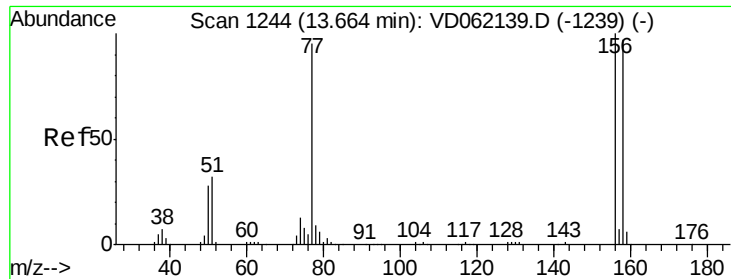
Delta R.T. 0.00 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Tgt Ion:	75	Resp:	465037
Ion Ratio	Lower	Upper	
75	100		
77	33.4	16.4	49.4





#77

Bromobenzene

Concen: 85.993 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Instrument :

MSVOA_D

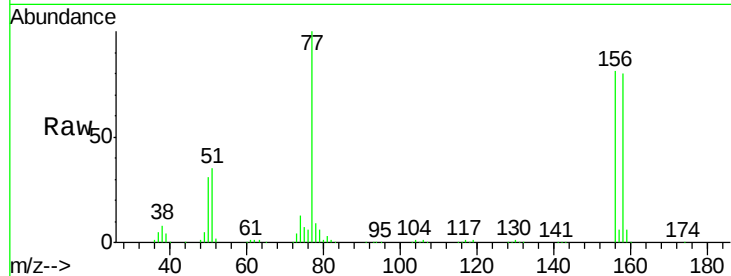
ClientSampleId :

VSTDIC075

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	122.7	53.1	159.4	
158	98.2	49.4	148.0	

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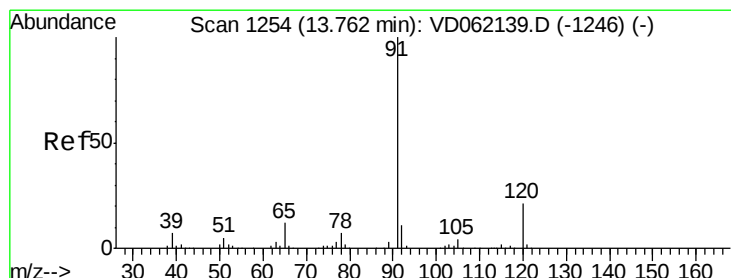
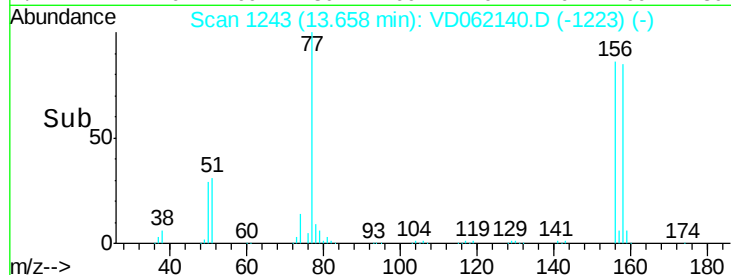
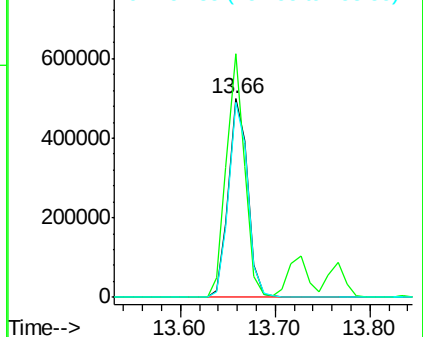
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 78.378 ug/l

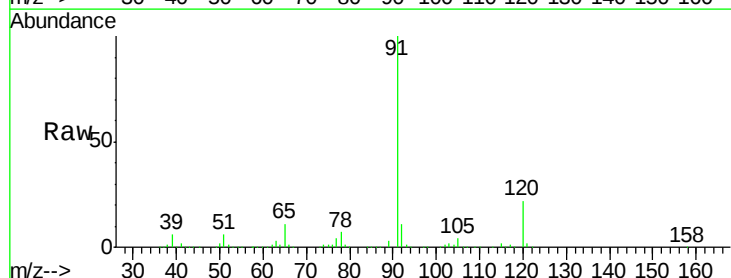
RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD062140.D

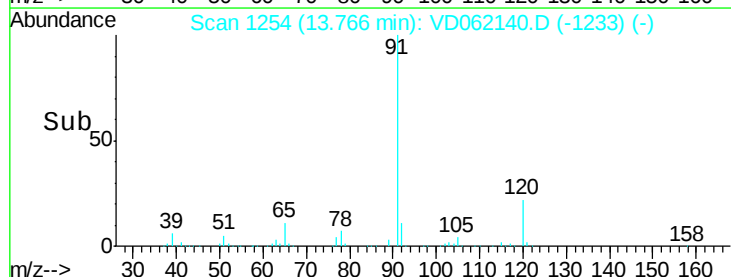
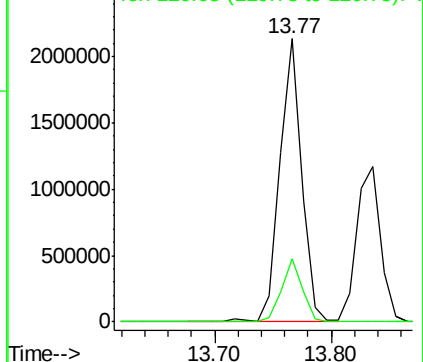
Acq: 7 May 2019 13:34

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.3	11.1	33.1	



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 79.298 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 91 Resp: 1663797

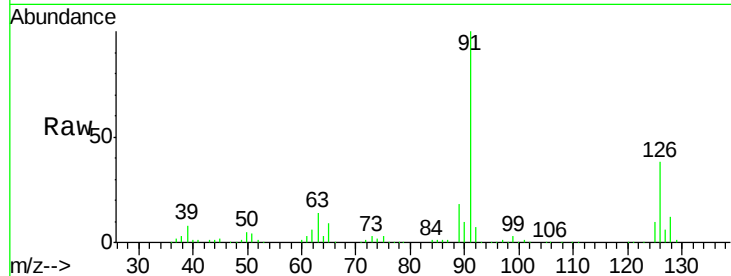
Ion Ratio Lower Upper

91 100

126 37.9 18.6 55.8

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Abundance Ion 91.00 (90.70 to 91.70): VD062139.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD062139.D (-1258) (-)

2500000

2000000

1500000

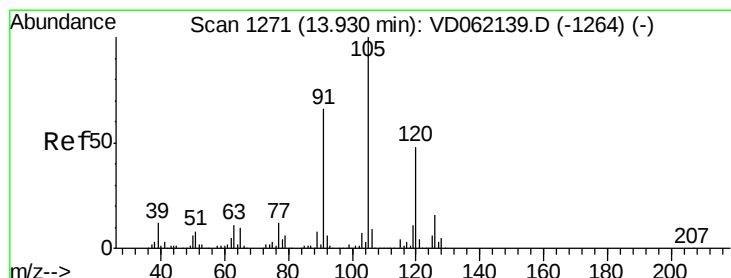
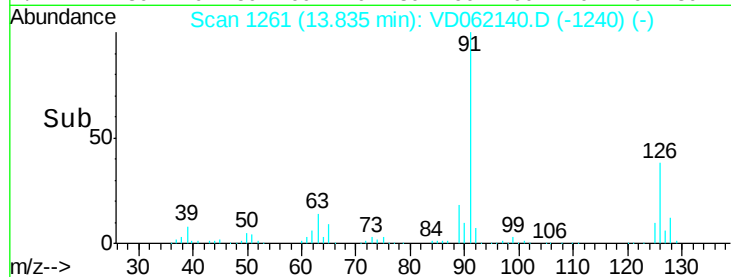
1000000

500000

0

13.80 13.85 13.90

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 77.742 ug/l

RT: 13.92 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD062140.D

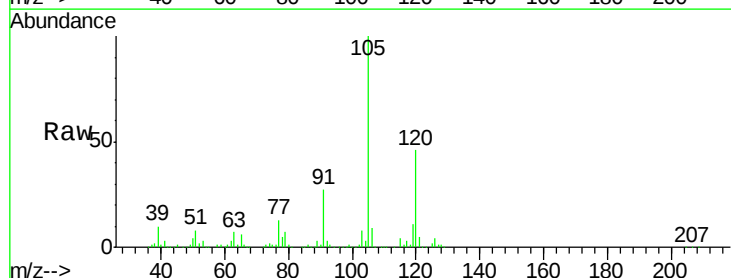
Acq: 7 May 2019 13:34

Tgt Ion:105 Resp: 2001394

Ion Ratio Lower Upper

105 100

120 46.5 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): VD062139.D (-1264) (-)

Ion 120.05 (119.75 to 120.75): VD062139.D (-1264) (-)

1500000

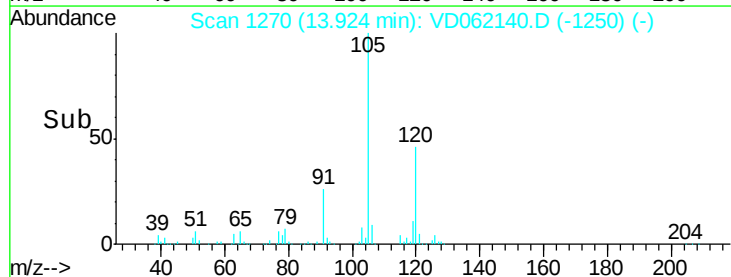
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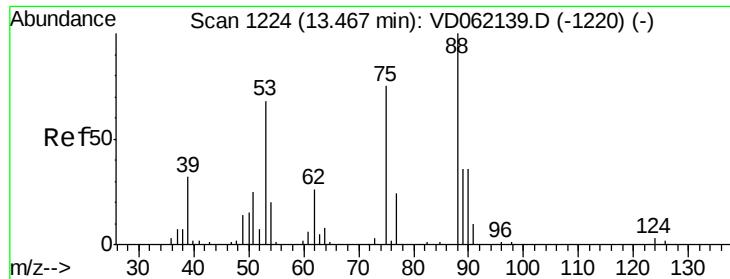
500000

0

13.90 14.00

Time-->





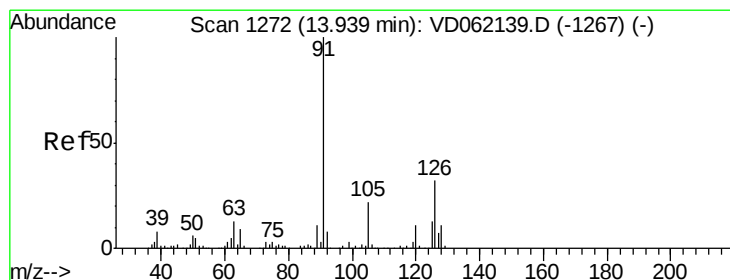
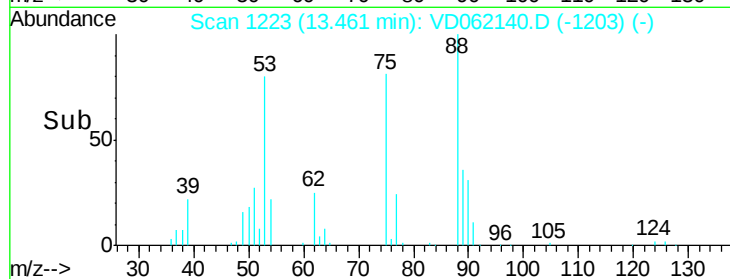
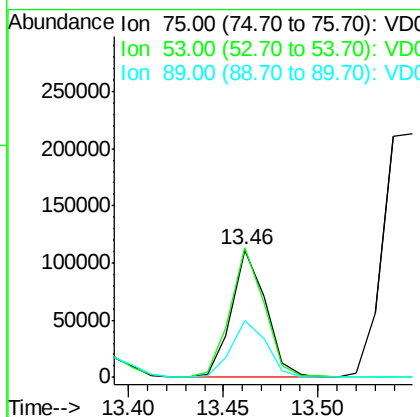
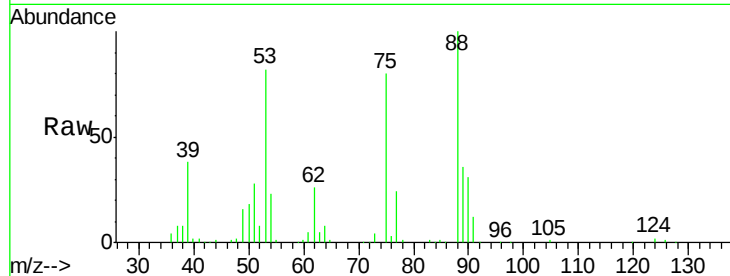
#81
trans-1,4-Dichloro-2-butene
Concen: 77.433 ug/l
RT: 13.46 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.7	65.8	98.8#
89	45.0	35.0	52.6

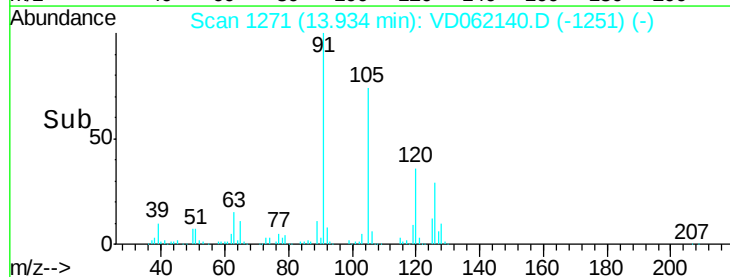
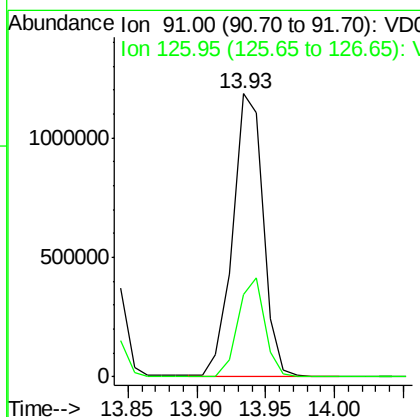
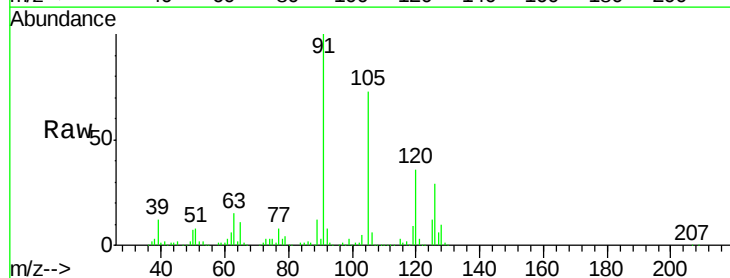
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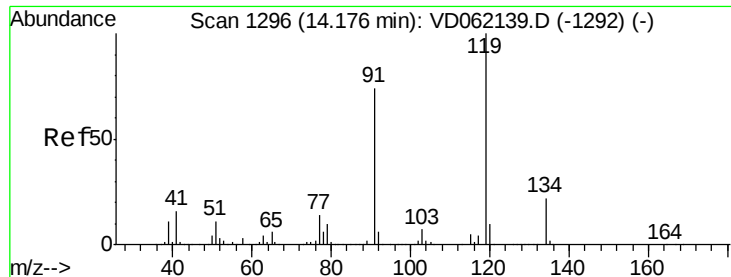
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#82
4-Chlorotoluene
Concen: 73.727 ug/l
RT: 13.93 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.3	19.1	57.5





#83

tert-Butylbenzene

Concen: 70.032 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. 0.00 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:119 Resp: 2090780

Ion Ratio Lower Upper

119 100

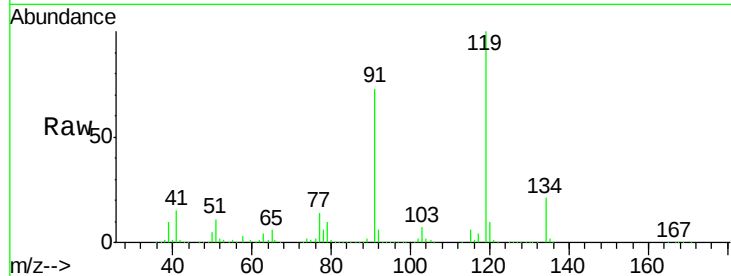
91 73.5 34.2 102.6

134 20.9 12.0 36.0

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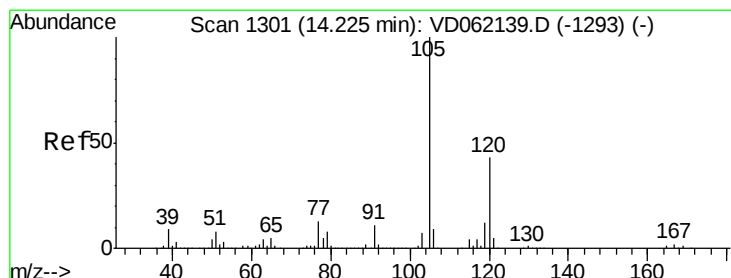
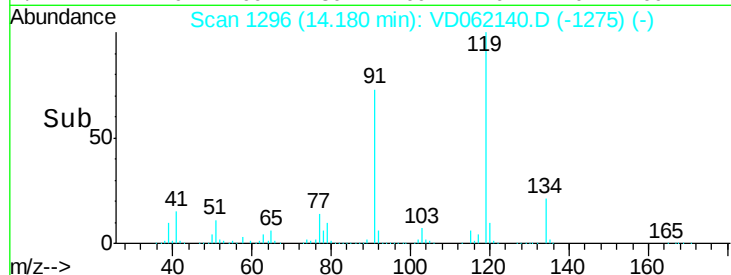
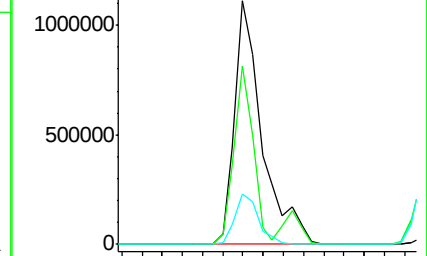
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Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 71.445 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VD062140.D

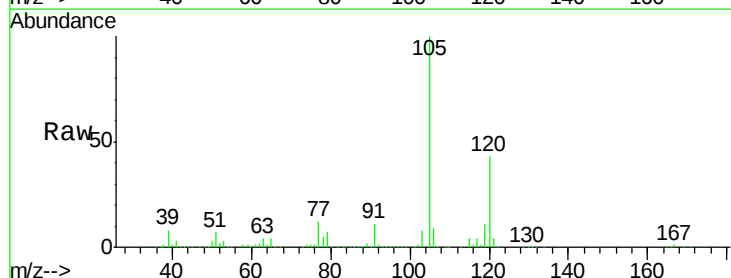
Acq: 7 May 2019 13:34

Tgt Ion:105 Resp: 1852877

Ion Ratio Lower Upper

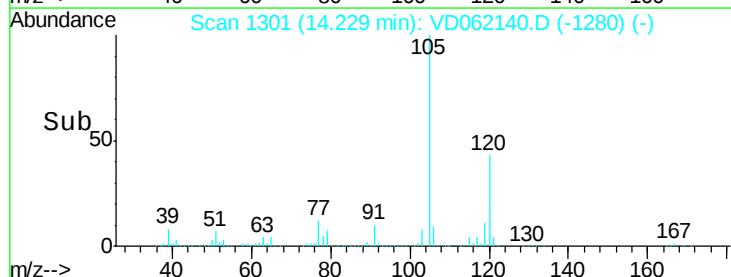
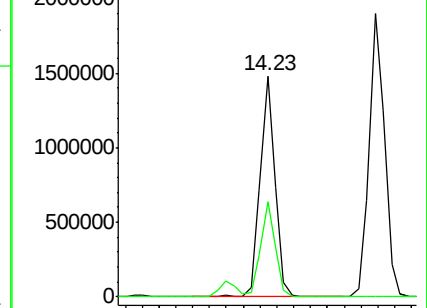
105 100

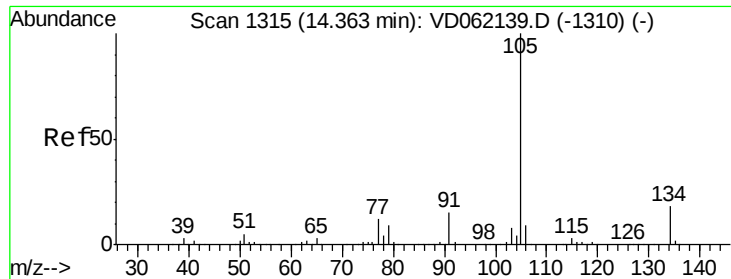
120 42.9 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





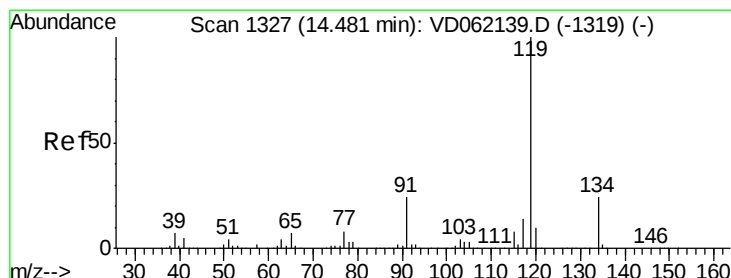
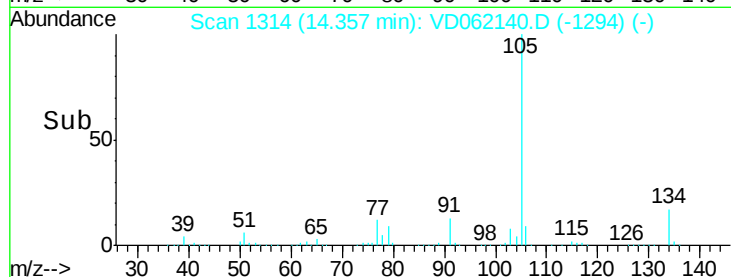
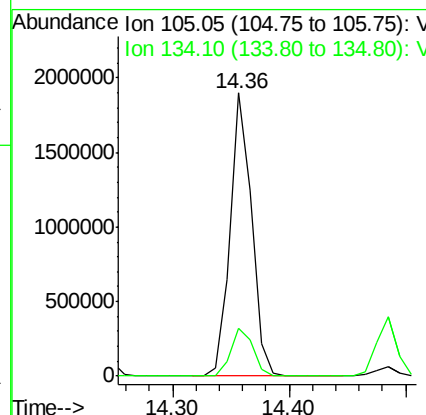
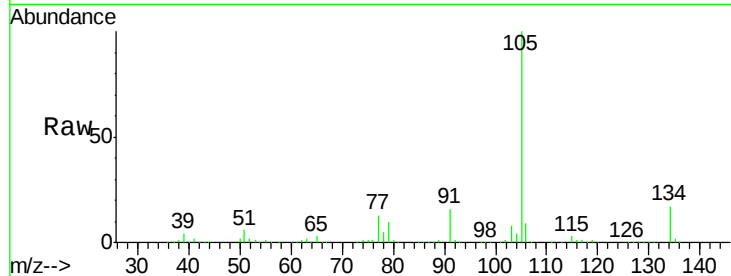
#85
 sec-Butylbenzene
 Concen: 75.536 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD062140.D
 Acq: 7 May 2019 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:105 Resp: 2413872
 Ion Ratio Lower Upper
 105 100
 134 17.0 8.9 26.7

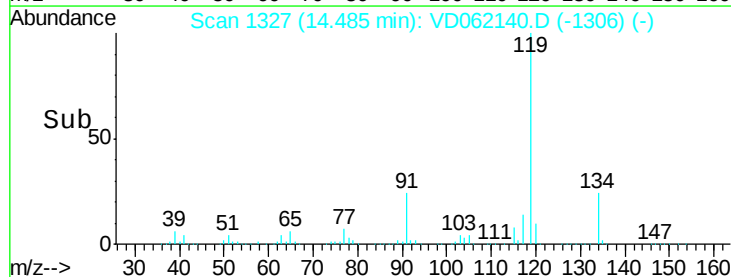
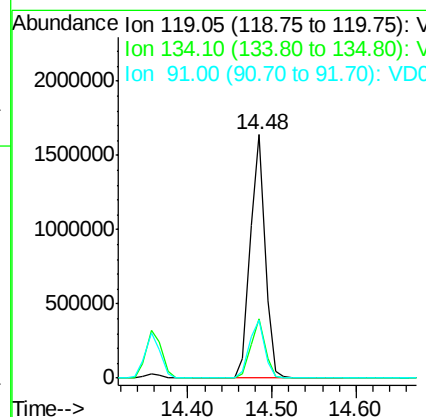
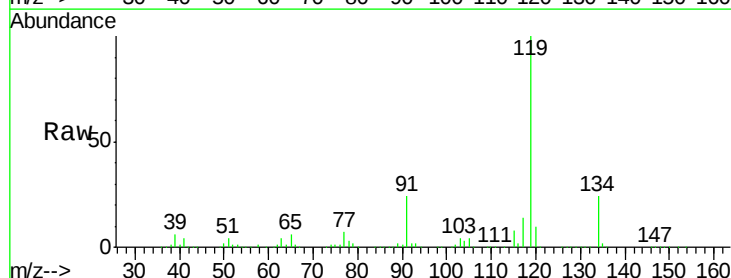
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#86
 p-Isopropyltoluene
 Concen: 65.929 ug/l
 RT: 14.48 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD062140.D
 Acq: 7 May 2019 13:34

Tgt Ion:119 Resp: 2009621
 Ion Ratio Lower Upper
 119 100
 134 24.2 12.8 38.3
 91 23.7 10.7 32.1





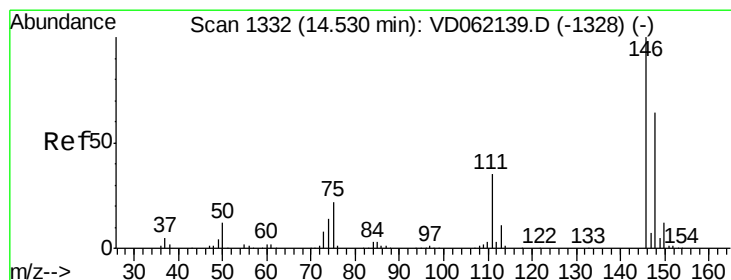
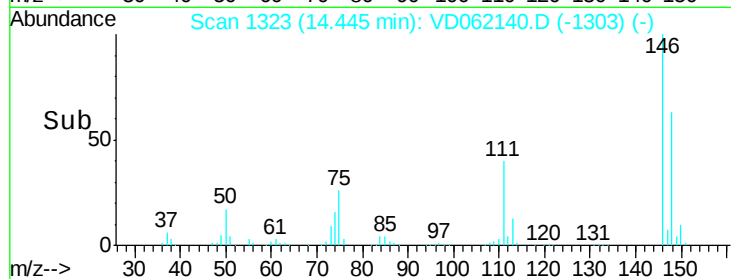
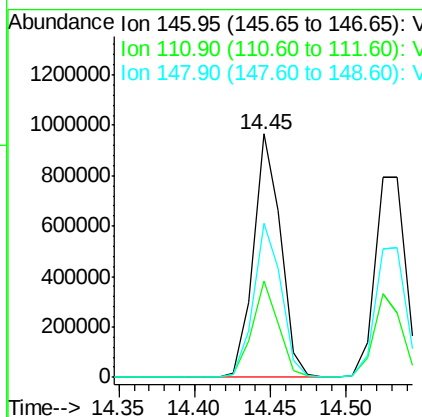
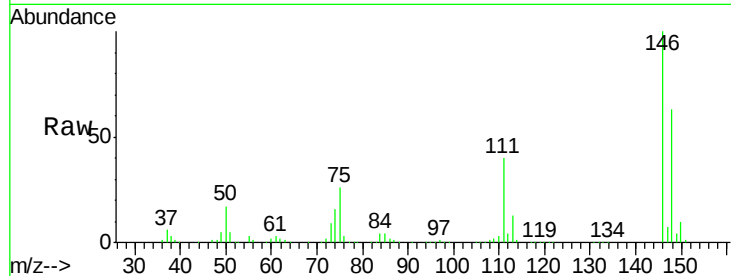
#87
 1,3-Dichlorobenzene
 Concen: 77.375 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD062140.D
 Acq: 7 May 2019 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:146 Resp: 1216805
 Ion Ratio Lower Upper
 146 100
 111 39.7 20.0 60.0
 148 63.3 31.8 95.4

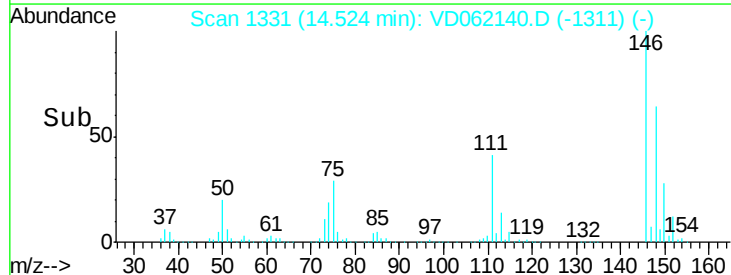
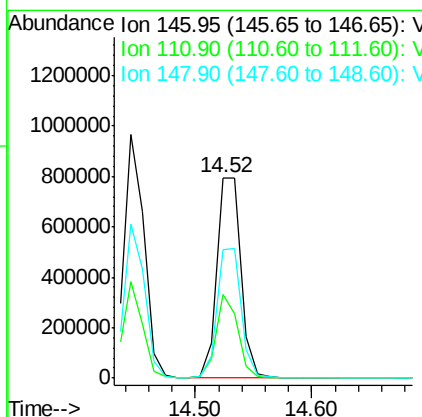
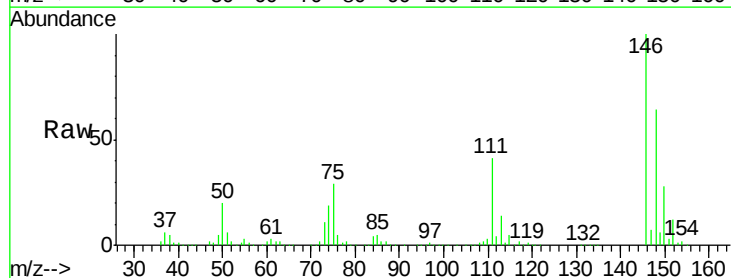
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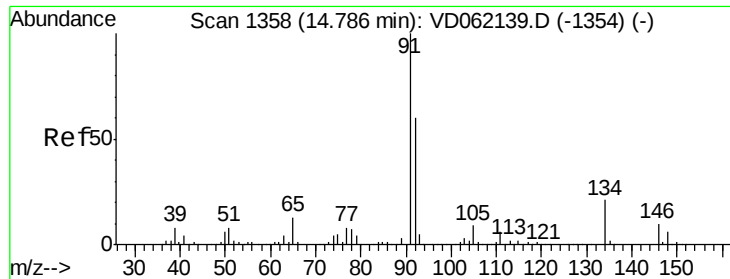
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#88
 1,4-Dichlorobenzene
 Concen: 76.359 ug/l
 RT: 14.52 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD062140.D
 Acq: 7 May 2019 13:34

Tgt Ion:146 Resp: 1138607
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.2 60.5
 148 63.8 32.0 96.2





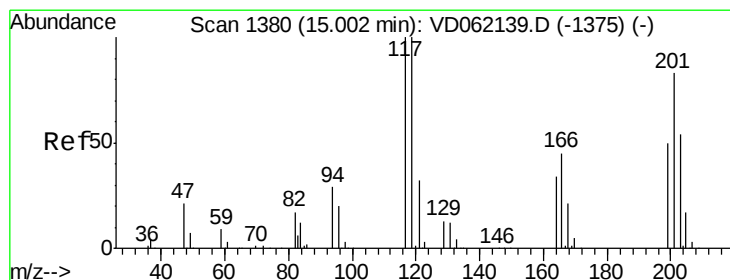
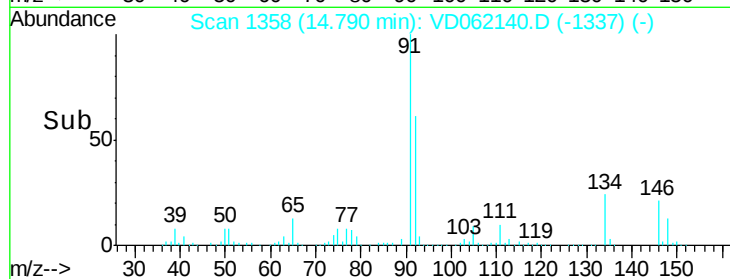
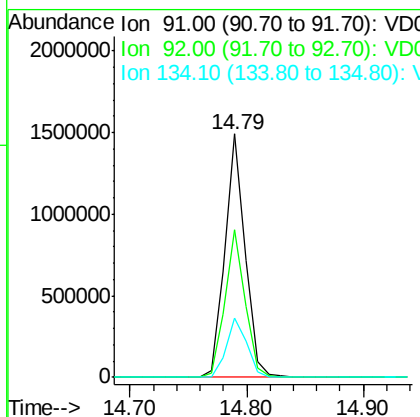
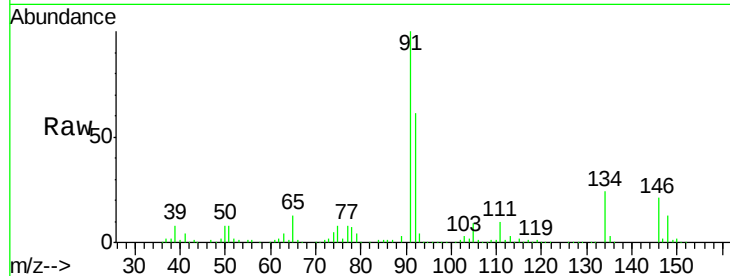
#89
n-Butylbenzene
Concen: 72.398 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 91 Resp: 1786875
Ion Ratio Lower Upper
91 100
92 60.7 30.3 91.0
134 24.1 14.5 43.6

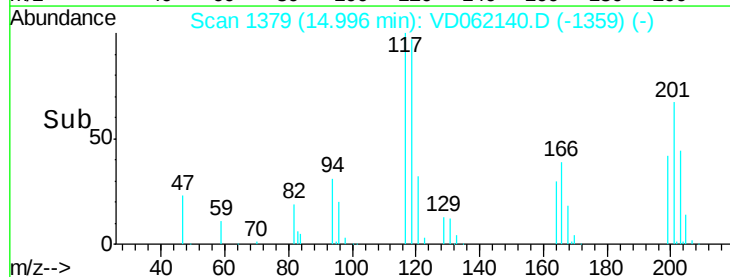
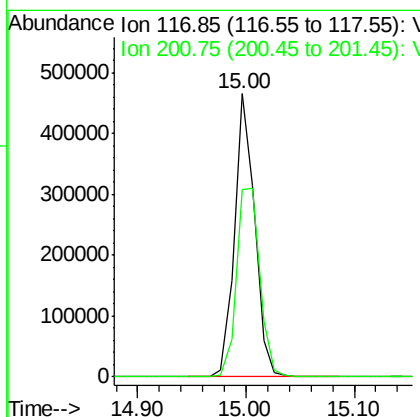
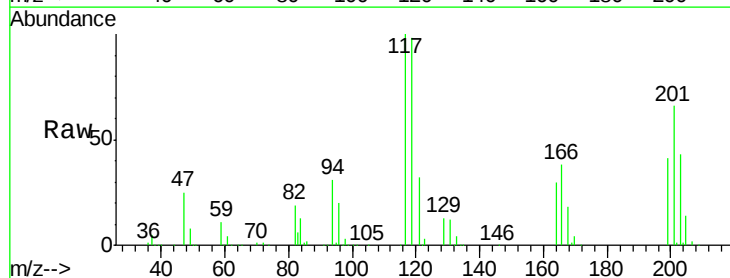
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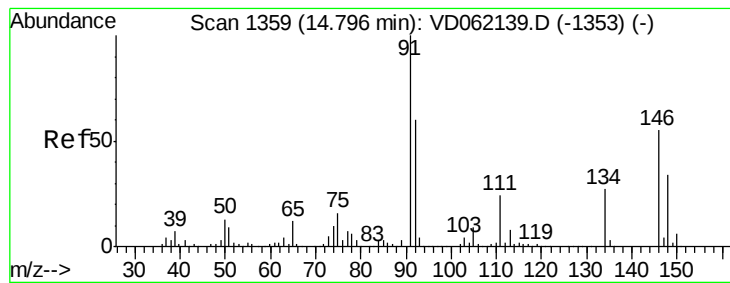
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#90
Hexachloroethane
Concen: 76.079 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Tgt Ion: 117 Resp: 604373
Ion Ratio Lower Upper
117 100
201 66.1 30.2 90.6





#91

1,2-Dichlorobenzene

Concen: 74.550 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:146 Resp: 914279

Ion Ratio Lower Upper

146 100

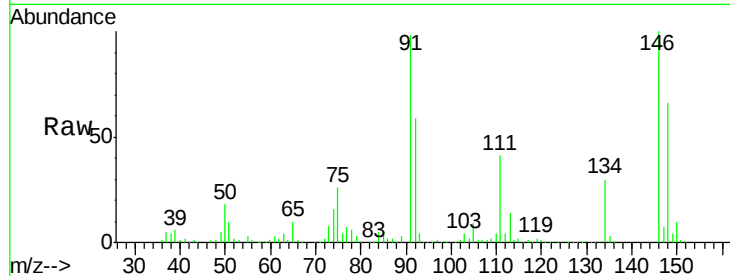
111 41.4 20.0 59.9

148 66.0 32.3 96.8

Manual Integrations
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MMDadoda

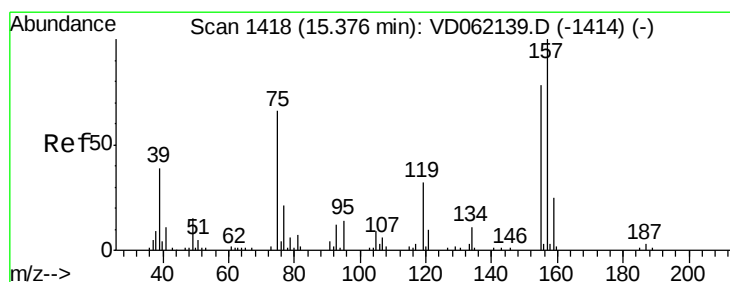
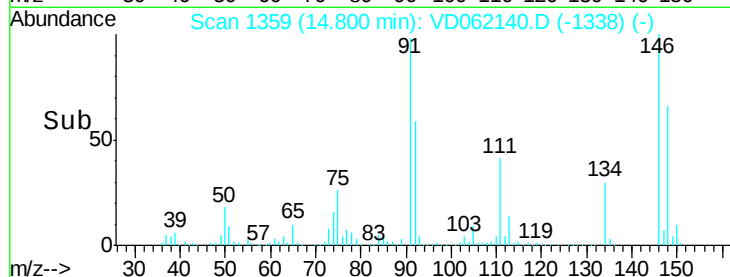
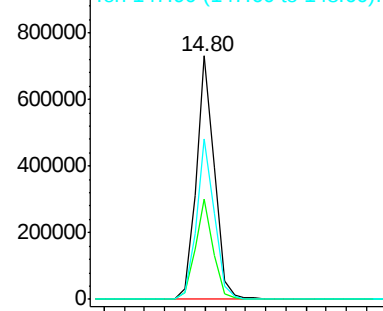
5/9/2019 12:56:34 AM



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 81.164 ug/l

RT: 15.37 min Scan# 1417

Delta R.T. -0.01 min

Lab File: VD062140.D

Acq: 7 May 2019 13:34

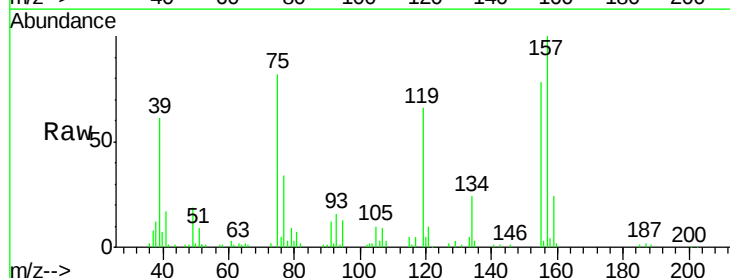
Tgt Ion: 75 Resp: 77081

Ion Ratio Lower Upper

75 100

155 94.6 55.3 165.8

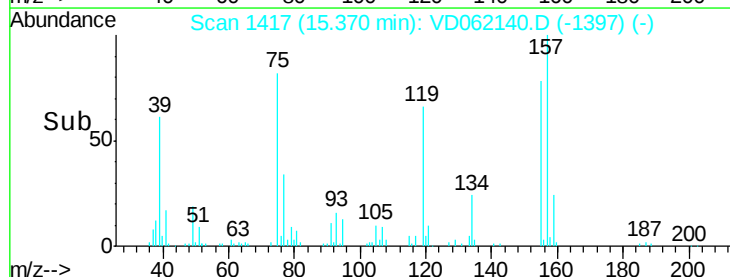
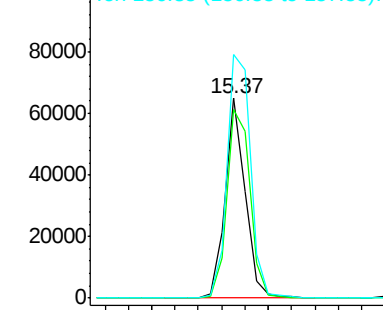
157 122.1 67.8 203.2

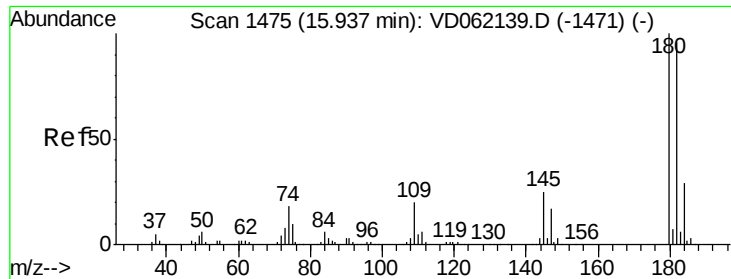


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V





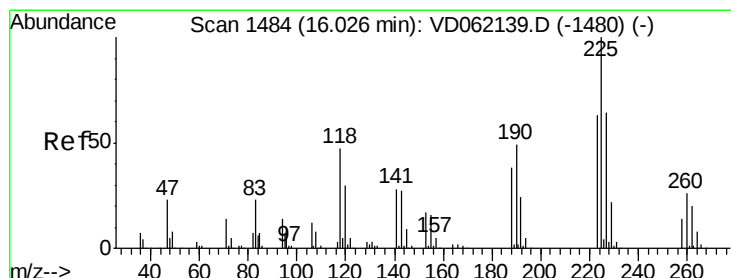
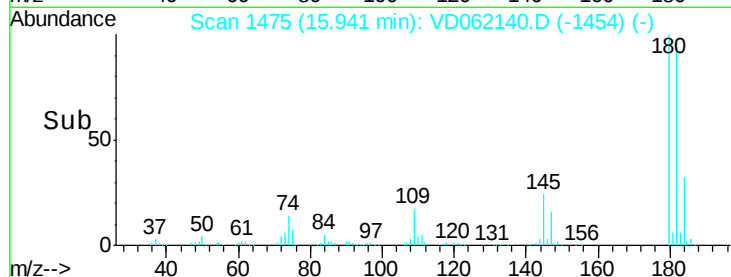
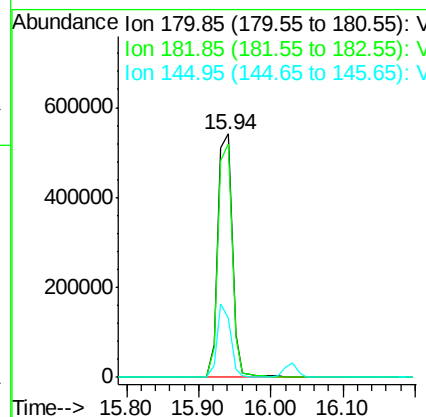
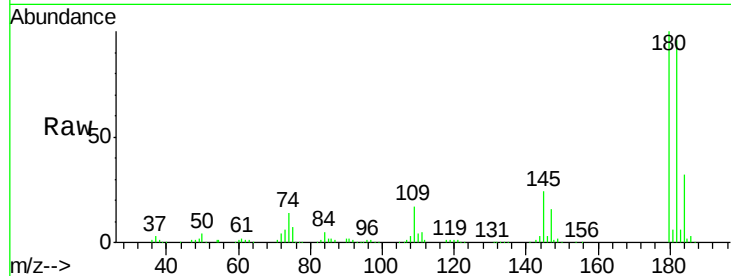
#93
 1,2,4-Trichlorobenzene
 Concen: 83.058 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062140.D
 Acq: 7 May 2019 13:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	49.3	147.8
145	24.4	16.2	48.6

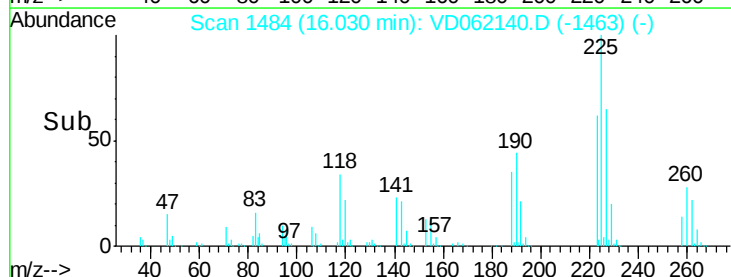
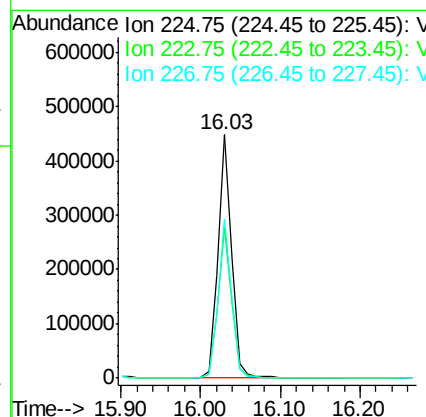
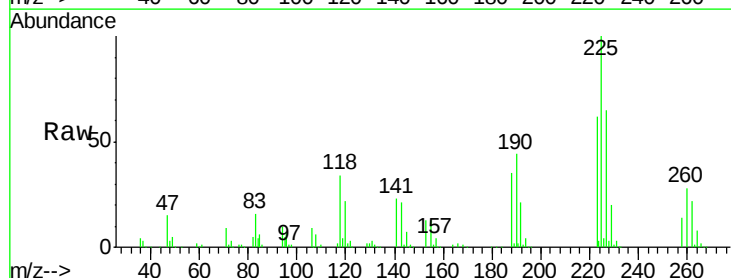
Manual Integrations
 APPROVED

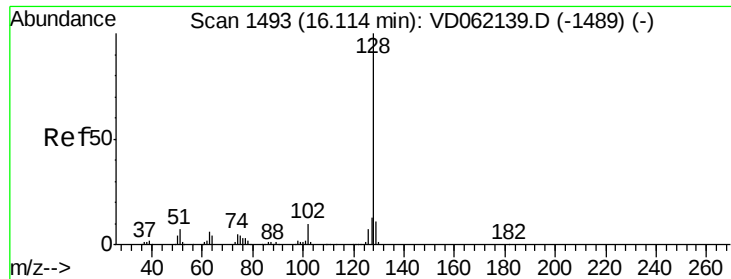
MMDadoda
 5/9/2019 12:56:34 AM



#94
 Hexachlorobutadiene
 Concen: 78.562 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD062140.D
 Acq: 7 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	30.6	92.0
227	65.1	32.0	96.2





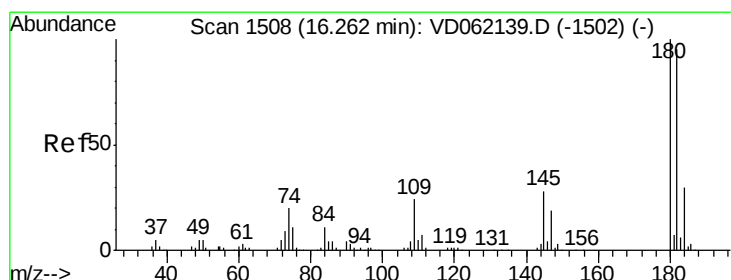
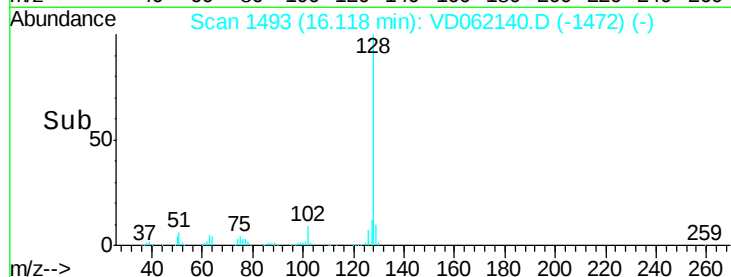
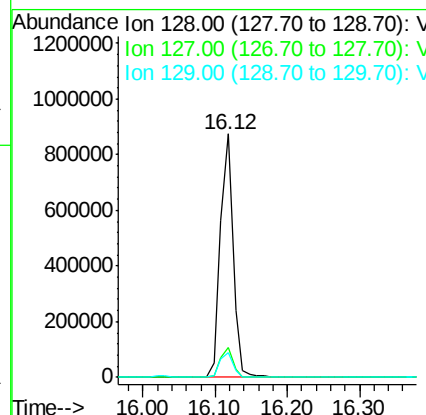
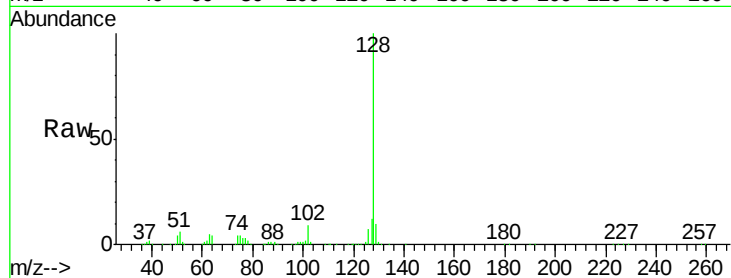
#95
Naphthalene
Concen: 79.277 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	9.8	14.8
129	10.3	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/9/2019 12:56:34 AM



#96
1,2,3-Trichlorobenzene
Concen: 78.432 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD062140.D
Acq: 7 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.0	47.0	141.0
145	26.6	17.0	51.0

