

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101119\
 Data File : VD063927.D
 Acq On : 11 Oct 2019 10:17
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 12 01:33:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	199532	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	307851	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	306947	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	171131	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	86952	44.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.52%	
35) Dibromofluoromethane	7.91	113	87936	46.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.48%	
50) Toluene-d8	10.34	98	367430	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	
62) 4-Bromofluorobenzene	12.63	95	124331	46.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	59982	42.389	ug/l	91
3) Chloromethane	2.21	50	193341	50.638	ug/l	96
4) Vinyl Chloride	2.35	62	223166	48.796	ug/l	100
5) Bromomethane	2.77	94	129251	43.960	ug/l	97
6) Chloroethane	2.93	64	146357	48.390	ug/l	96
7) Trichlorofluoromethane	3.27	101	305579	50.536	ug/l	94
8) Diethyl Ether	3.71	74	44404	45.752	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	78314	46.789	ug/l	96
10) Methyl Iodide	4.29	142	107151	46.459	ug/l	100
11) Tert butyl alcohol	5.24	59	27801	204.542	ug/l	97
12) 1,1-Dichloroethene	4.06	96	77647	46.433	ug/l	93
13) Acrolein	3.92	56	37513	216.212	ug/l	92
14) Allyl chloride	4.71	41	125101	44.997	ug/l	99
15) Acrylonitrile	5.43	53	100468	234.794	ug/l	97
16) Acetone	4.16	43	124075	245.322	ug/l	95
17) Carbon Disulfide	4.40	76	263204	43.299	ug/l #	96
18) Methyl Acetate	4.73	43	45834	46.334	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	195224	45.084	ug/l	96
20) Methylene Chloride	4.96	84	102704	45.494	ug/l	98
21) trans-1,2-Dichloroethene	5.46	96	99278	47.690	ug/l	95
22) Diisopropyl ether	6.36	45	270813	47.694	ug/l	97
23) Vinyl Acetate	6.31	43	801779	237.366	ug/l	99
24) 1,1-Dichloroethane	6.26	63	165961	47.452	ug/l	96
25) 2-Butanone	7.22	43	147227	245.631	ug/l	93
26) 2,2-Dichloropropane	7.21	77	152582	48.228	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	112368	47.689	ug/l	99
28) Bromochloromethane	7.55	49	71914	53.931	ug/l	96
29) Tetrahydrofuran	7.57	42	78972	225.732	ug/l	96
30) Chloroform	7.71	83	177592	46.751	ug/l	93
31) Cyclohexane	7.98	56	154229	53.626	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	163722	50.244	ug/l	98
36) 1,1-Dichloropropene	8.11	75	147257	52.316	ug/l	99
37) Ethyl Acetate	7.30	43	54554	48.190	ug/l	99
38) Carbon Tetrachloride	8.10	117	148359	52.158	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	182187	52.642	ug/l	93
40) Benzene	8.35	78	415680	51.533	ug/l	96
41) Methacrylonitrile	7.53	41	28553	43.753	ug/l	94
42) 1,2-Dichloroethane	8.43	62	114192	48.940	ug/l	100
43) Isopropyl Acetate	8.46	43	108217	45.844	ug/l	97
44) Trichloroethene	9.11	130	119788	51.500	ug/l	99
45) 1,2-Dichloropropane	9.39	63	98420	49.850	ug/l	90
46) Dibromomethane	9.48	93	55469	49.332	ug/l	96
47) Bromodichloromethane	9.67	83	142688	49.289	ug/l	96
48) Methyl methacrylate	9.46	41	49895	44.115	ug/l	96
49) 1,4-Dioxane	9.47	88	14579	949.887	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	283124	231.266	ug/l	98
52) Toluene	10.40	92	283613	51.218	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	136620	48.362	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	160215	49.270	ug/l	91
55) 1,1,2-Trichloroethane	10.80	97	78809	49.640	ug/l	97
56) Ethyl methacrylate	10.66	69	96007	47.753	ug/l	97
57) 1,3-Dichloropropane	10.95	76	139625	51.402	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	190994	221.010	ug/l	100
59) 2-Hexanone	10.98	43	220723	249.242	ug/l	98
60) Dibromochloromethane	11.14	129	103665	50.154	ug/l	100
61) 1,2-Dibromoethane	11.25	107	78149	50.775	ug/l	100
64) Tetrachloroethene	10.88	164	106111	50.639	ug/l	92
65) Chlorobenzene	11.67	112	320407	51.977	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	114299	50.321	ug/l	100
67) Ethyl Benzene	11.74	91	581433	52.309	ug/l	97
68) m/p-Xylenes	11.86	106	463986	108.147	ug/l	97
69) o-Xylene	12.18	106	212128	51.635	ug/l	95
70) Styrene	12.20	104	360319	51.810	ug/l	100
71) Bromoform	12.36	173	64843	53.194	ug/l #	96
73) Isopropylbenzene	12.48	105	574557	49.943	ug/l	97
74) N-amyl acetate	12.29	43	110414	44.578	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	90278	45.096	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	115679	100.925	ug/l #	100
77) Bromobenzene	12.76	156	141471	49.358	ug/l	95
78) n-propylbenzene	12.82	91	688024	50.951	ug/l	99
79) 2-Chlorotoluene	12.91	91	363318	48.795	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	491300	51.189	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	29915	46.186	ug/l	96
82) 4-Chlorotoluene	13.01	91	379493	48.045	ug/l	97
83) tert-Butylbenzene	13.23	119	426163	49.892	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	500860	50.620	ug/l	98
85) sec-Butylbenzene	13.40	105	607760	52.687	ug/l	99
86) p-Isopropyltoluene	13.52	119	584794	53.574	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	282402	49.865	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	281467	50.378	ug/l	99
89) n-Butylbenzene	13.84	91	535563	52.710	ug/l	99
90) Hexachloroethane	14.11	117	102652	52.287	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	250845	51.397	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14661	46.988	ug/l	89

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QLast Update : Sat Oct 05 03:51:17 2019
Response via : Initial Calibration

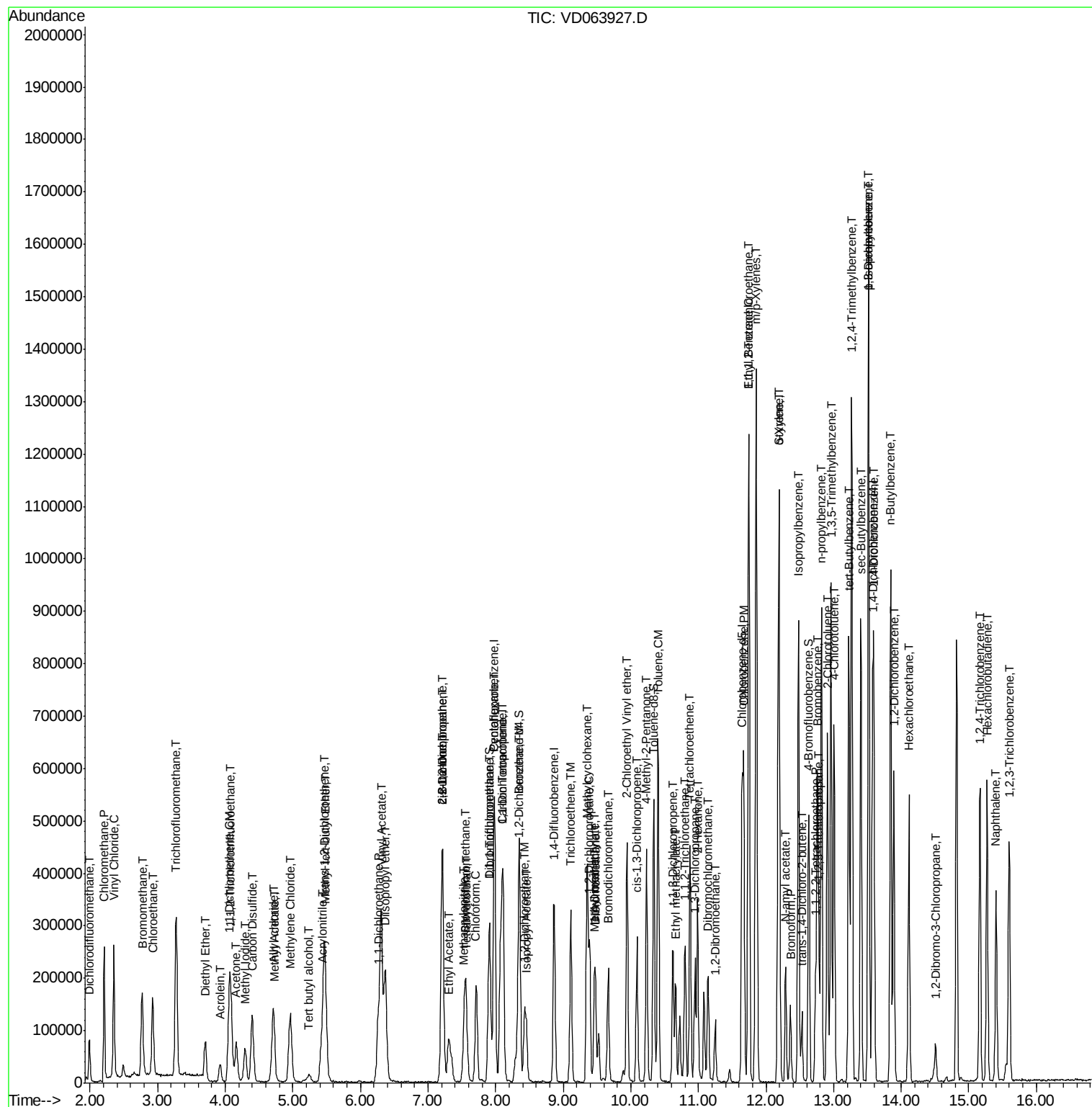
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	185153	49.166	ug/l	98
94) Hexachlorobutadiene	15.27	225	111745	53.772	ug/l	99
95) Naphthalene	15.40	128	312429	49.361	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	160637	49.440	ug/l	99

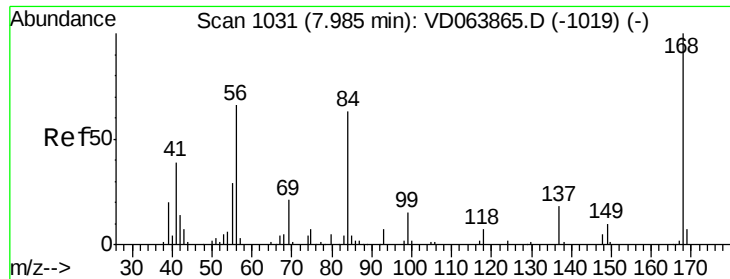
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD063927.D

Acq: 11 Oct 2019 10:17

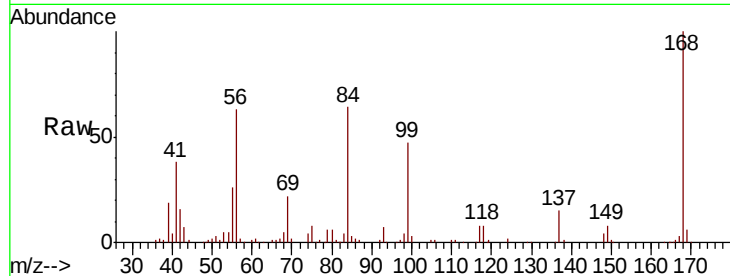
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 199532

Ion Ratio Lower Upper

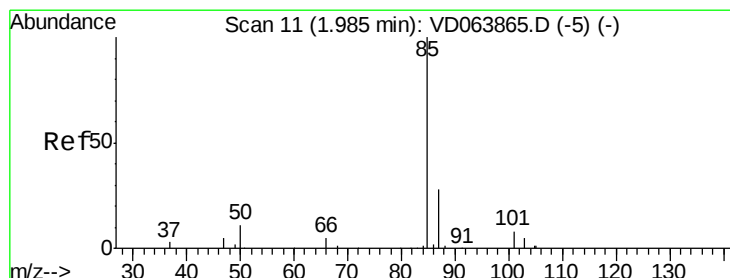
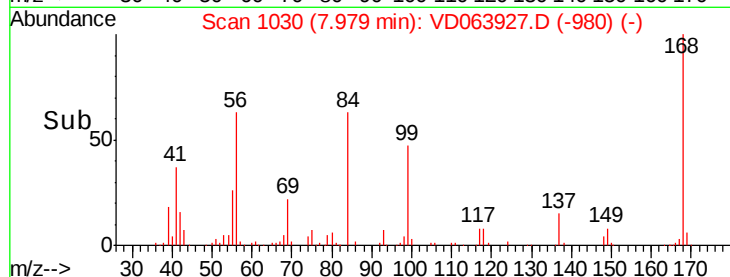
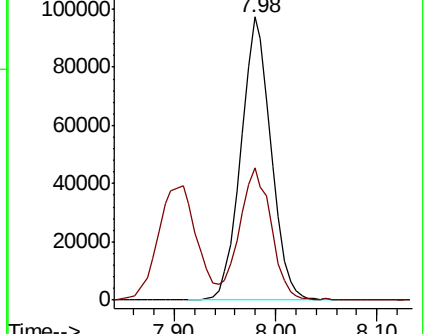
168 100

99 46.3 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 42.389 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD063927.D

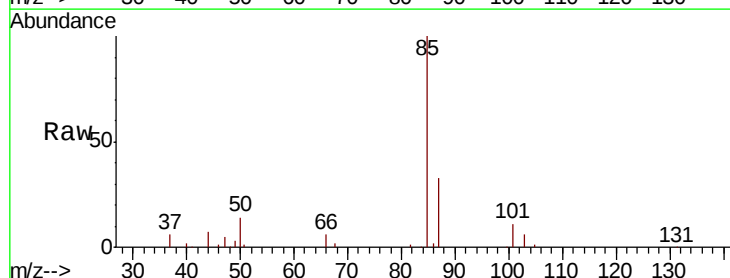
Acq: 11 Oct 2019 10:17

Tgt Ion: 85 Resp: 59982

Ion Ratio Lower Upper

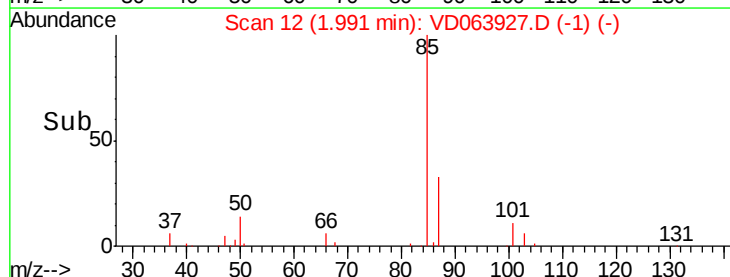
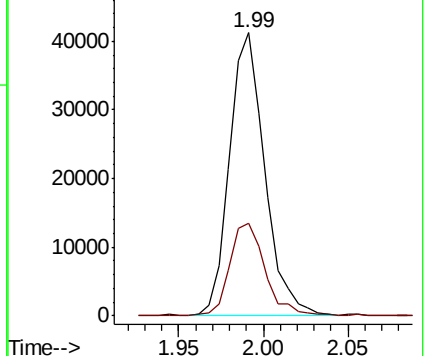
85 100

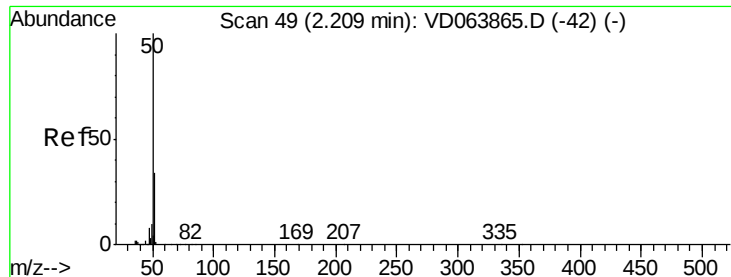
87 32.7 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 50.638 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063927.D

Acq: 11 Oct 2019 10:17

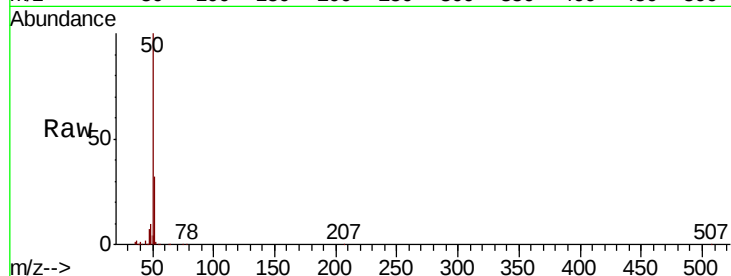
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 50 Resp: 193341

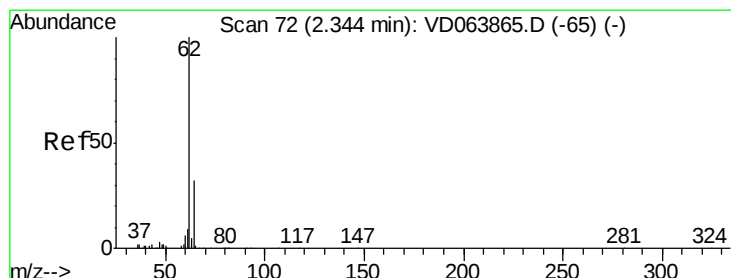
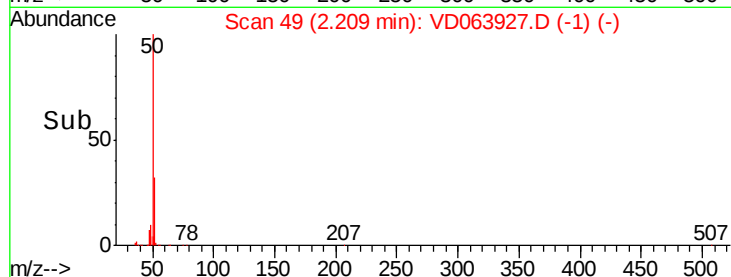
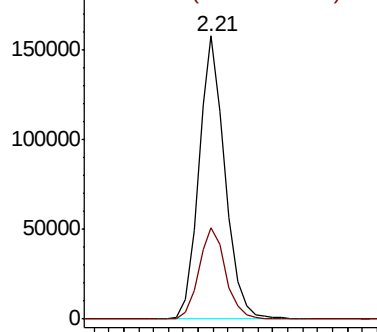
Ion Ratio Lower Upper

50 100

52 32.1 27.5 41.3



Abundance Ion 49.90 (49.60 to 50.60): VDC
Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.796 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063927.D

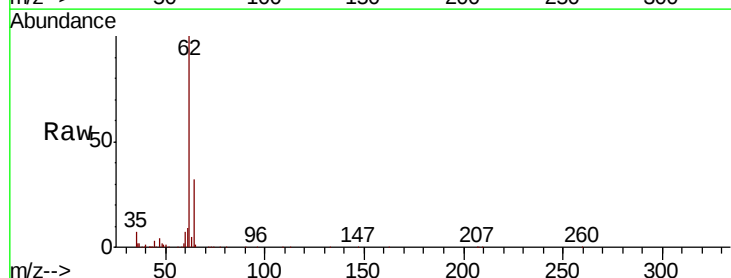
Acq: 11 Oct 2019 10:17

Tgt Ion: 62 Resp: 223166

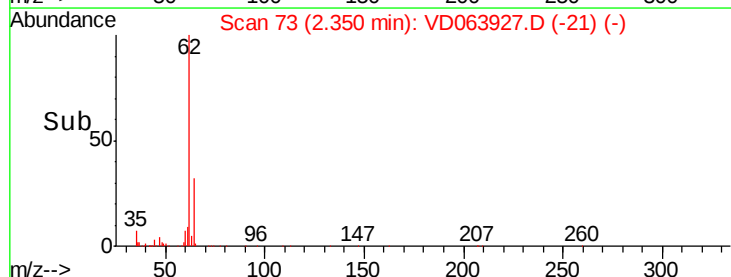
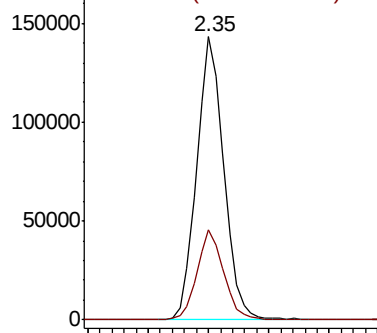
Ion Ratio Lower Upper

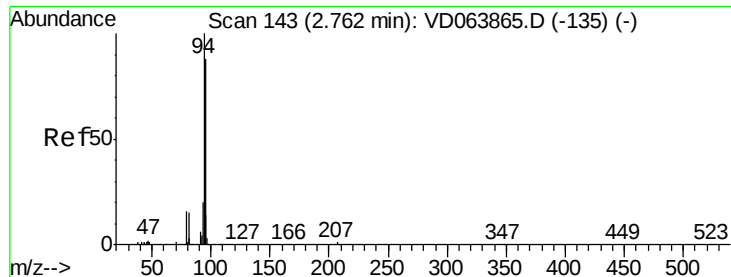
62 100

64 31.8 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 43.960 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD063927.D

Acq: 11 Oct 2019 10:17

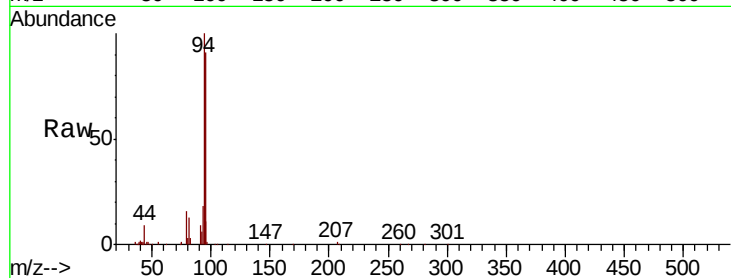
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 129251

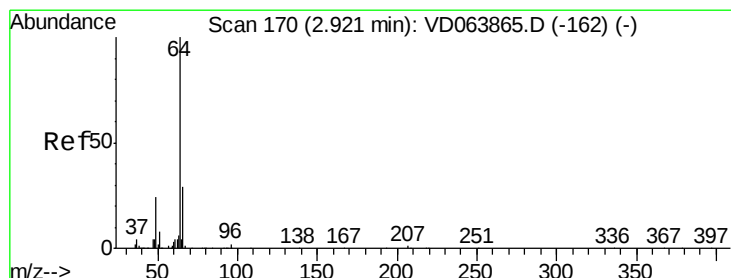
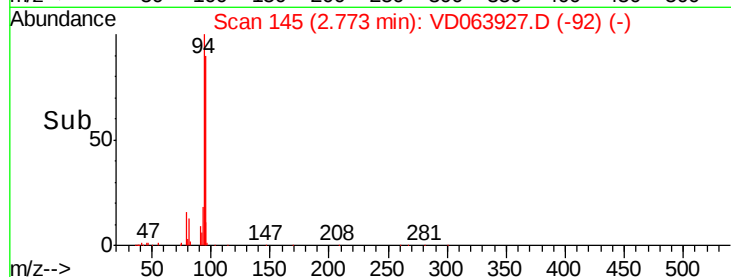
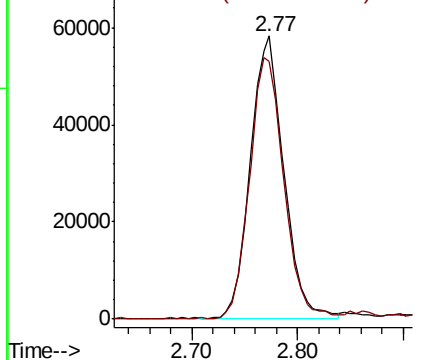
Ion Ratio Lower Upper

94 100

96 91.2 70.8 106.2



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 48.390 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD063927.D

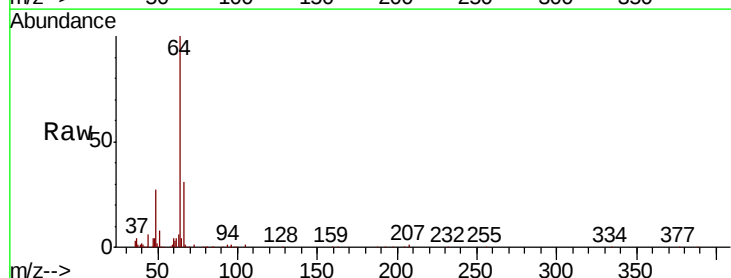
Acq: 11 Oct 2019 10:17

Tgt Ion: 64 Resp: 146357

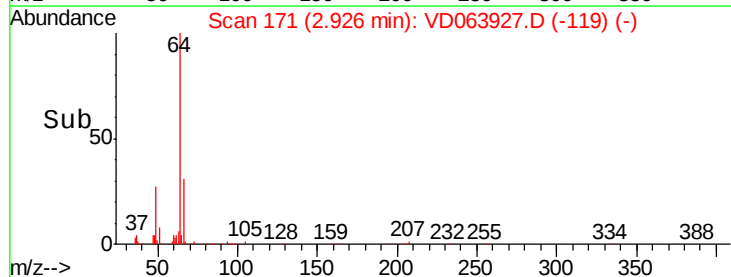
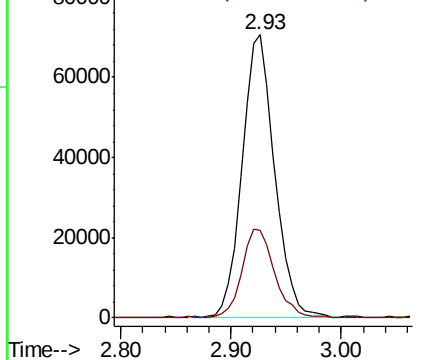
Ion Ratio Lower Upper

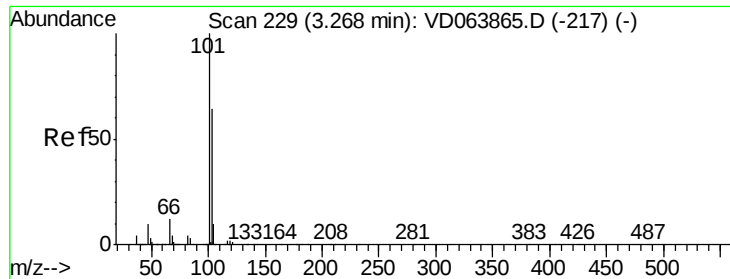
64 100

66 30.7 23.0 34.4



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC



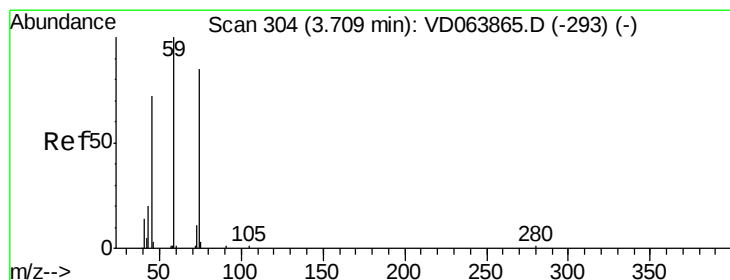
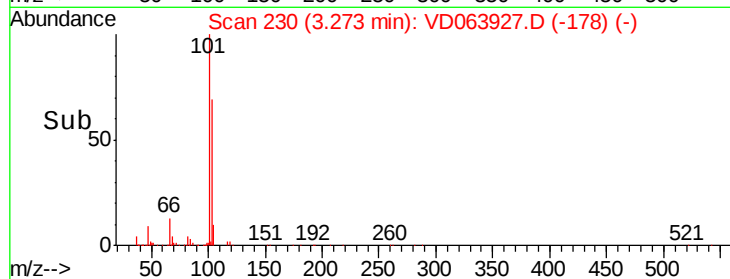
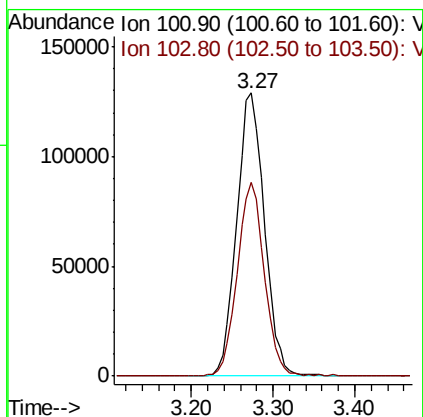
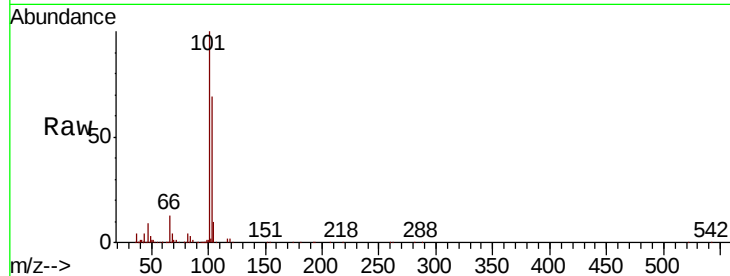


#7

Trichlorofluoromethane
Concen: 50.536 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD063927.D
Acq: 11 Oct 2019 10:17

Instrument :
MSVOA_D
ClientSampleId :

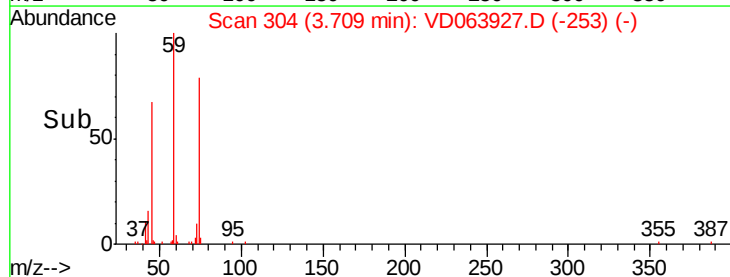
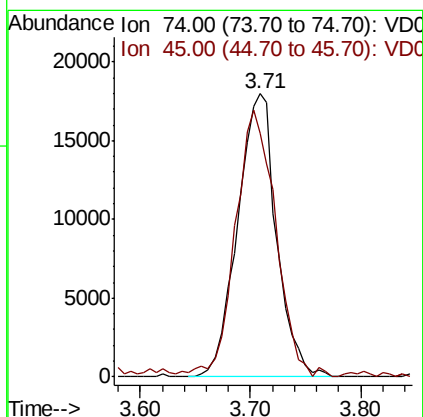
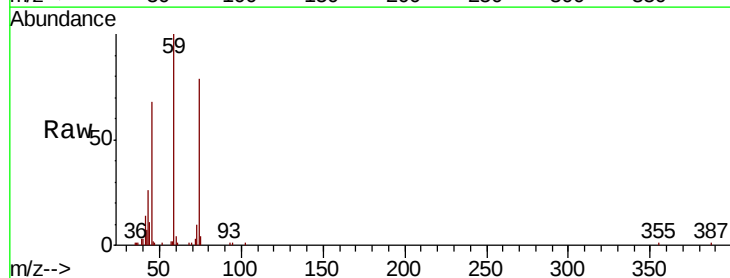
Tot Ion:101 Resp: 305579
Ion Ratio Lower Upper
101 100
103 68.6 51.1 76.7

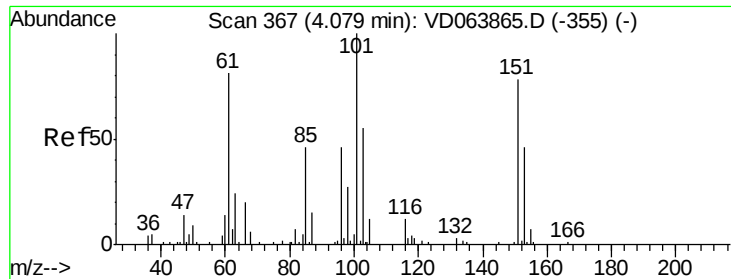


#8

Diethyl Ether
Concen: 45.752 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD063927.D
Acq: 11 Oct 2019 10:17

Tgt Ion: 74 Resp: 44404
Ion Ratio Lower Upper
74 100
45 97.8 48.1 144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.789 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.00 min

Lab File: VD063927.D

Acq: 11 Oct 2019 10:17

Instrument :

MSVOA_D

ClientSampleId :

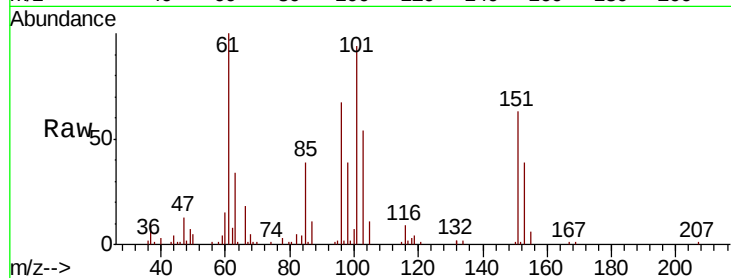
Tot Ion:101 Resp: 78314

Ion Ratio Lower Upper

101 100

85 45.3 37.5 56.3

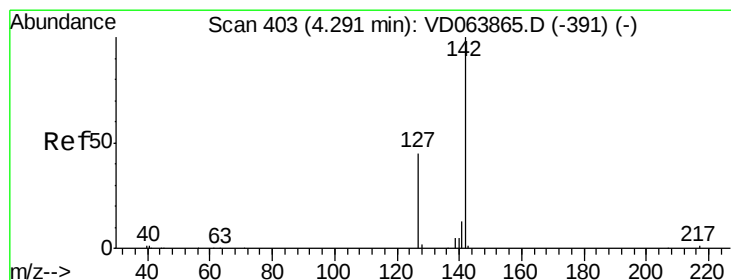
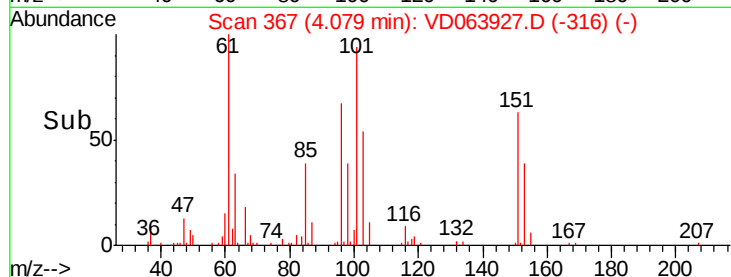
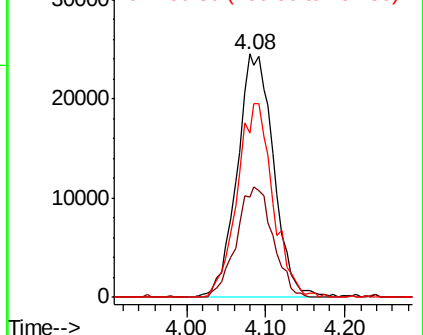
151 77.7 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.459 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD063927.D

Acq: 11 Oct 2019 10:17

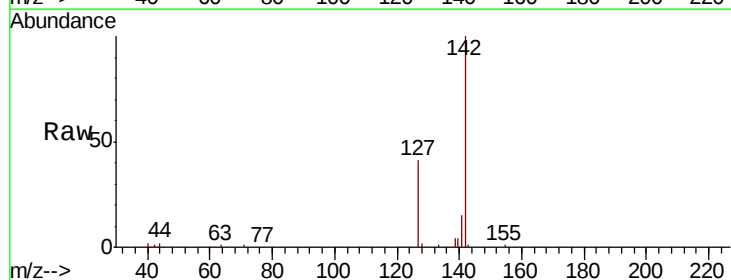
Tgt Ion:142 Resp: 107151

Ion Ratio Lower Upper

142 100

127 44.0 35.3 52.9

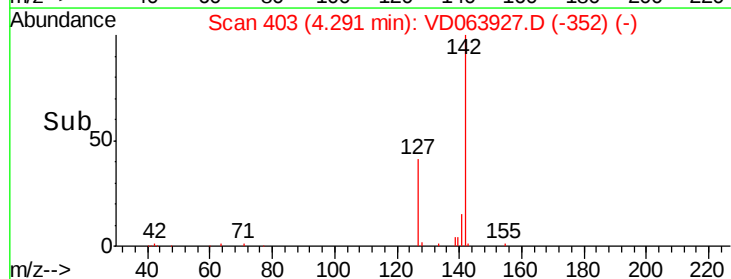
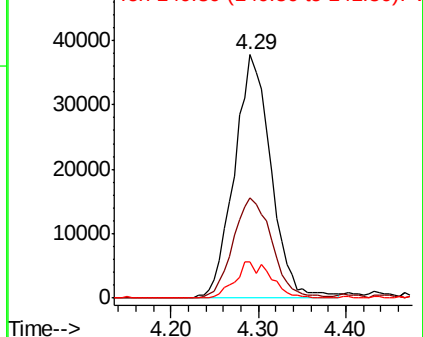
141 14.7 12.2 18.2

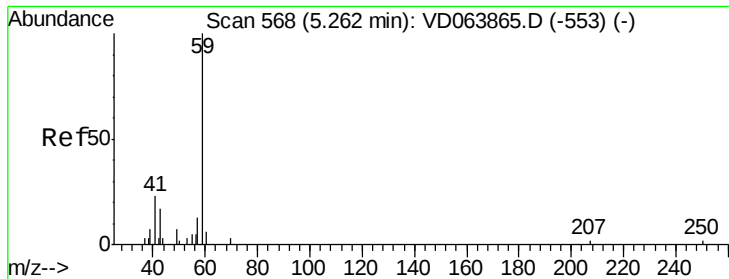


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



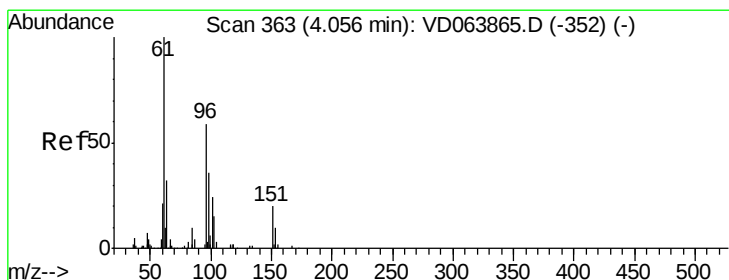
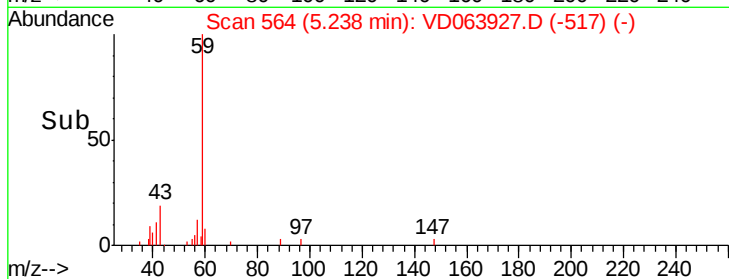
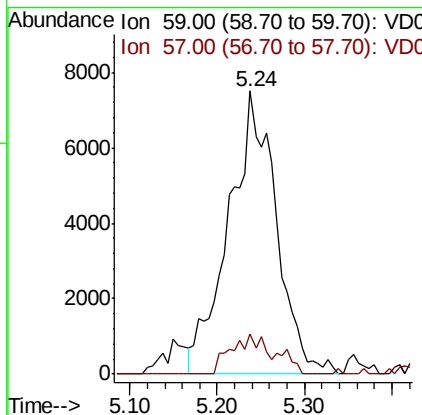
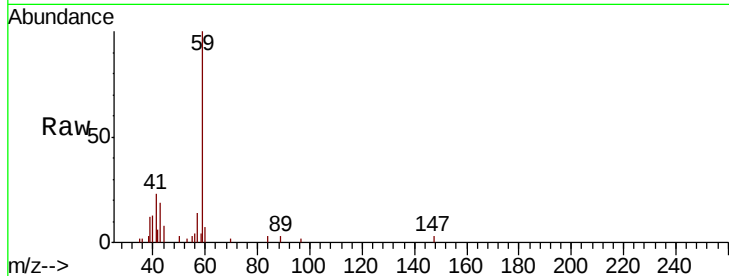


#11

Tert butyl alcohol
 Concen: 204.542 ug/l
 RT: 5.24 min Scan# 564
 Delta R.T. -0.02 min
 Lab File: VD063927.D
 Acq: 11 Oct 2019 10:17

Instrument :
 MSVOA_D
 ClientSampleId :

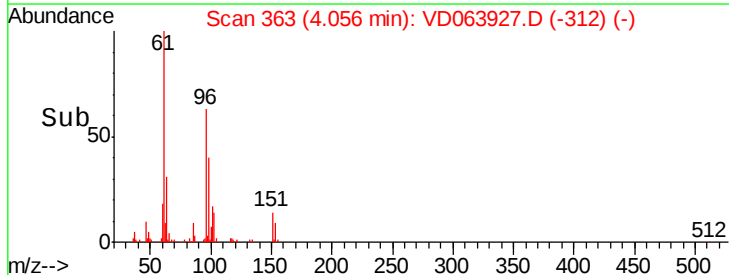
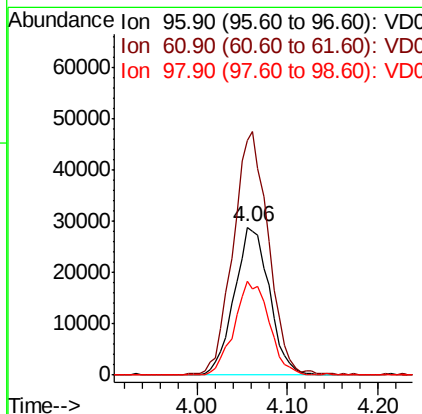
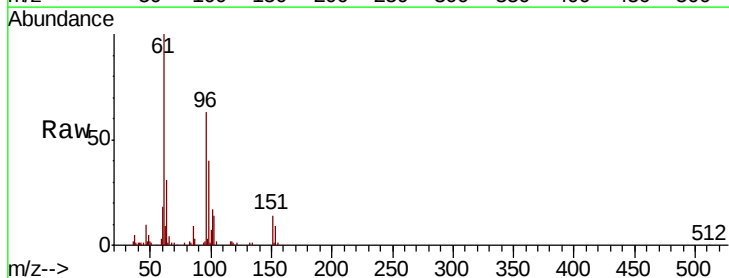
Tot Ion: 59 Resp: 27801
 Ion Ratio Lower Upper
 59 100
 57 9.8 8.8 13.2

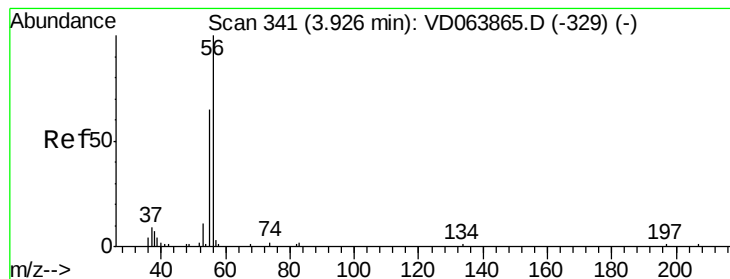


#12

1,1-Dichloroethene
 Concen: 46.433 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VD063927.D
 Acq: 11 Oct 2019 10:17

Tgt Ion: 96 Resp: 77647
 Ion Ratio Lower Upper
 96 100
 61 157.6 135.6 203.4
 98 63.6 49.2 73.8





#13

Acrolein

Concen: 216.212 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD063927.D

Acq: 11 Oct 2019 10:17

Instrument :

MSVOA_D

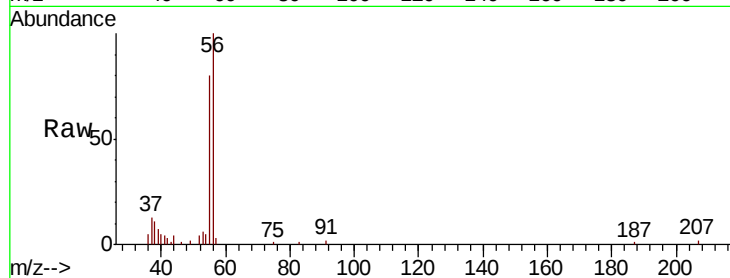
ClientSampleId :

Tot Ion: 56 Resp: 37513

Ion Ratio Lower Upper

56 100

55 72.8 53.0 79.6



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

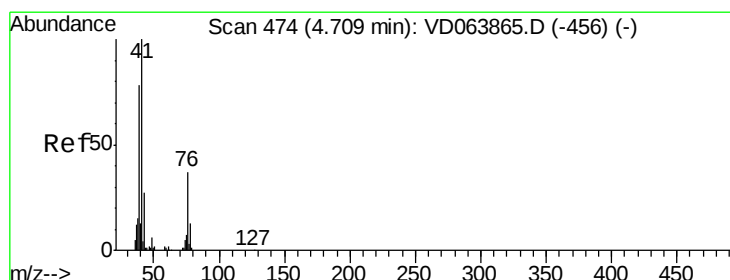
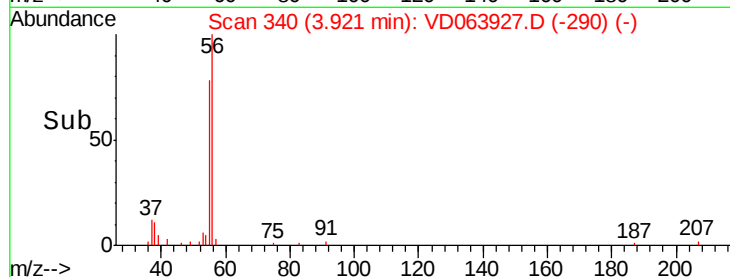
15000

10000

5000

0

Time--> 3.80 3.85 3.90 3.95 4.00



#14

Allyl chloride

Concen: 44.997 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD063927.D

Acq: 11 Oct 2019 10:17

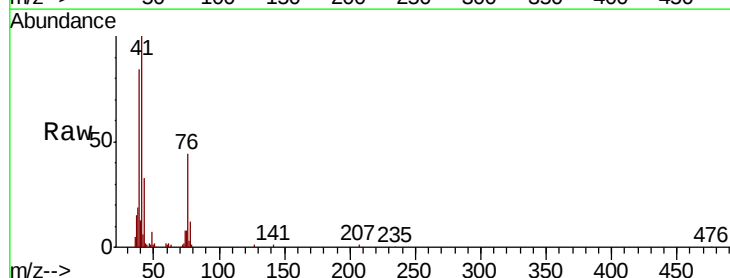
Tgt Ion: 41 Resp: 125101

Ion Ratio Lower Upper

41 100

39 78.1 61.8 92.6

76 38.2 31.3 46.9



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

50000

40000

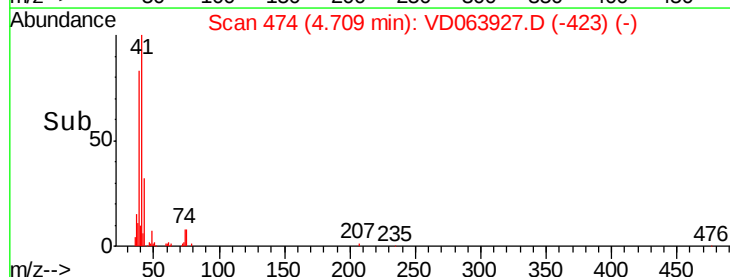
30000

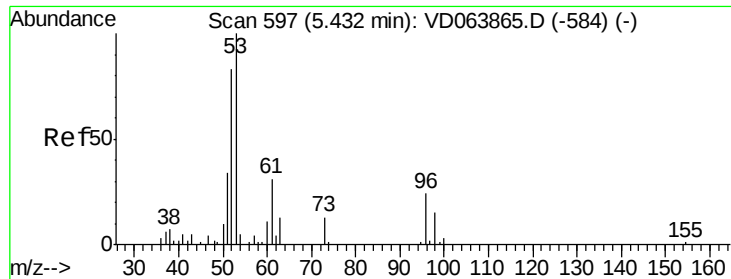
20000

10000

0

Time--> 4.50 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 234.794 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD063927.D

Acq: 11 Oct 2019 10:17

Instrument :
MSVOA_D
ClientSampleId :

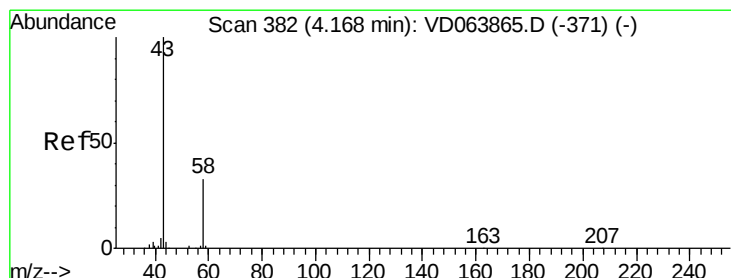
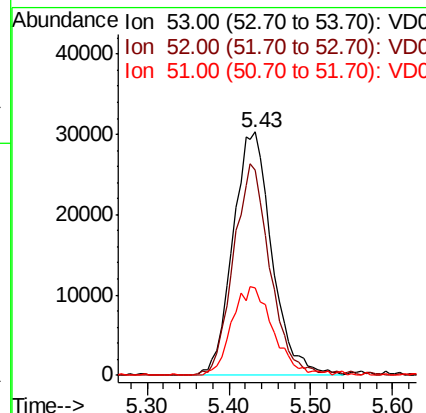
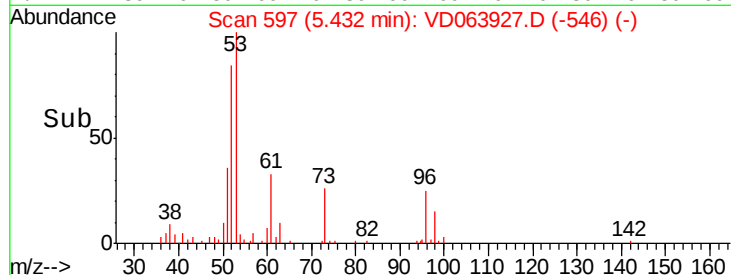
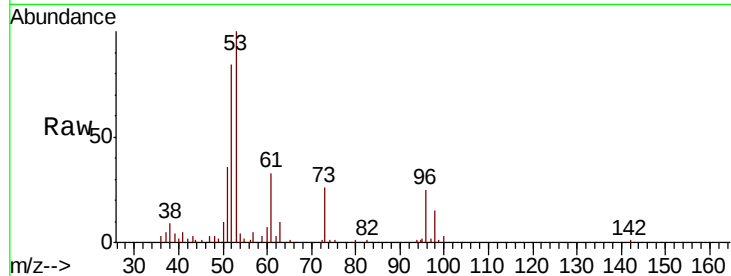
Tot Ion: 53 Resp: 100468

Ion Ratio Lower Upper

53 100

52 81.1 67.3 100.9

51 38.6 30.5 45.7



#16

Acetone

Concen: 245.322 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD063927.D

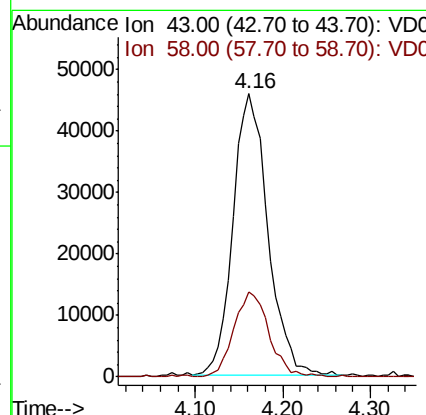
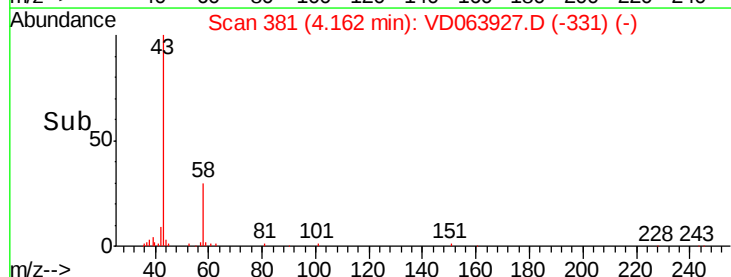
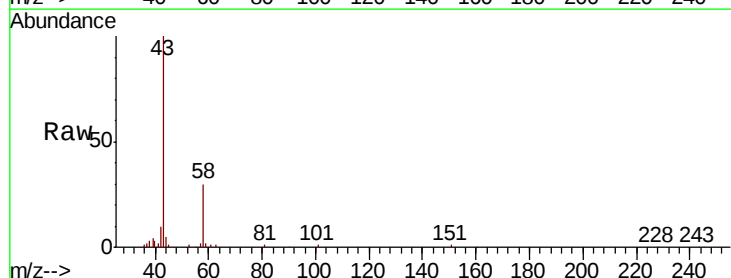
Acq: 11 Oct 2019 10:17

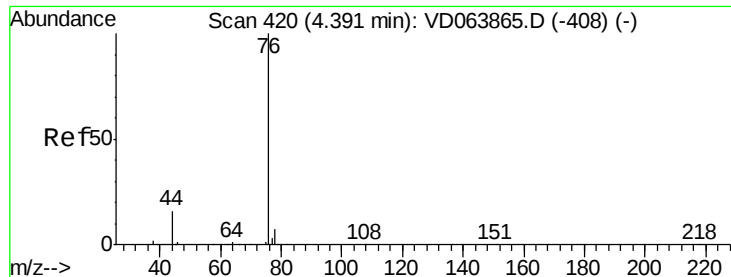
Tgt Ion: 43 Resp: 124075

Ion Ratio Lower Upper

43 100

58 30.1 26.2 39.4

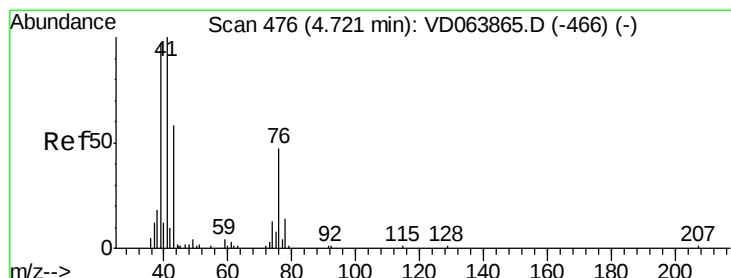
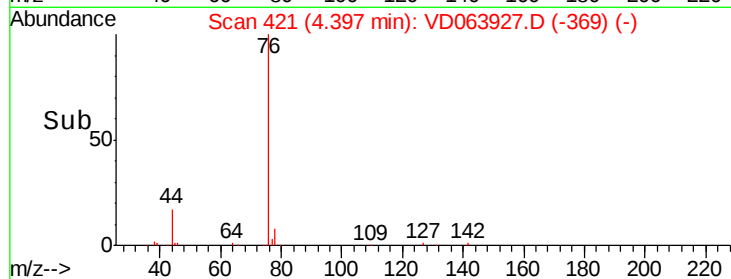
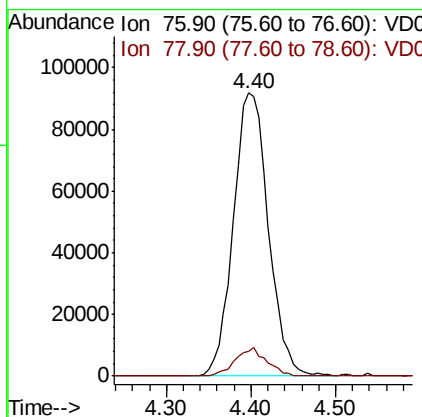
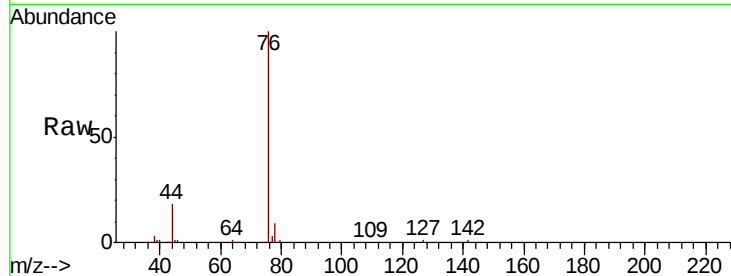




#17
Carbon Disulfide
Concen: 43.299 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.01 min
Lab File: VD063927.D
Acq: 11 Oct 2019 10:17

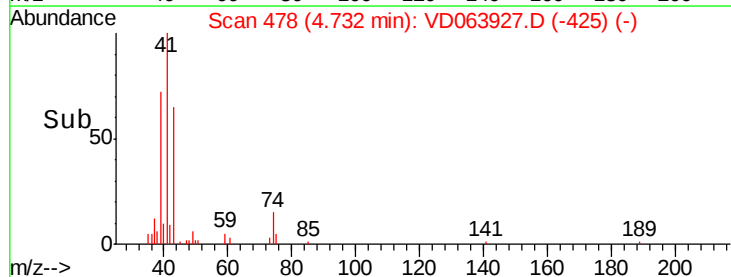
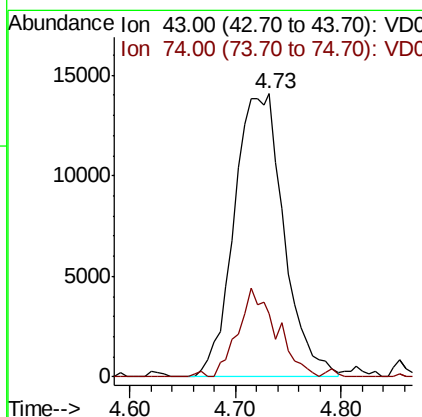
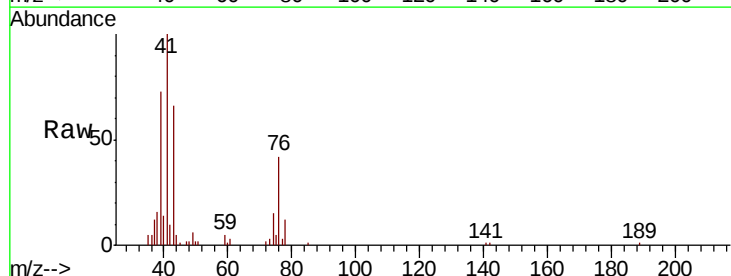
Instrument :
MSVOA_D
ClientSampleId :

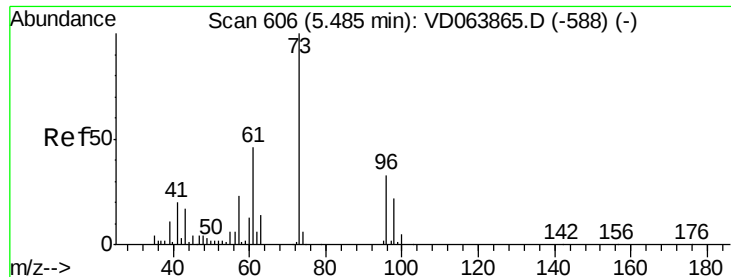
Tot Ion: 76 Resp: 263204
Ion Ratio Lower Upper
76 100
78 8.8 5.8 8.8#



#18
Methyl Acetate
Concen: 46.334 ug/l
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD063927.D
Acq: 11 Oct 2019 10:17

Tgt Ion: 43 Resp: 45834
Ion Ratio Lower Upper
43 100
74 24.3 20.8 31.2

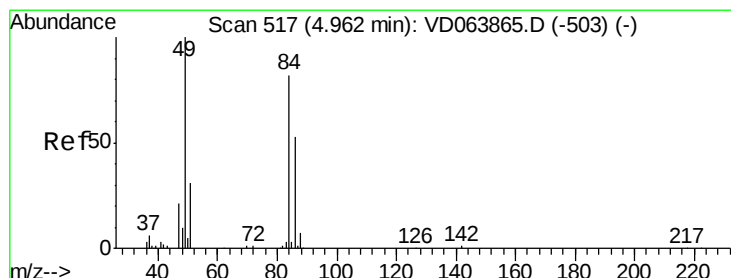
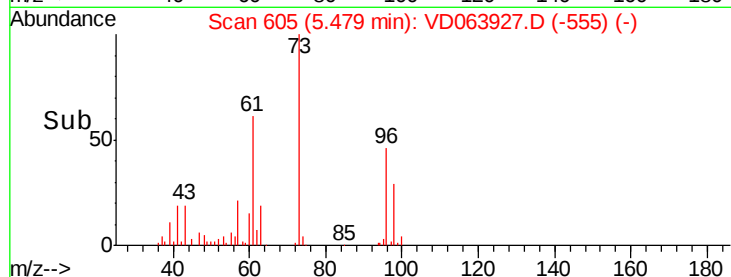
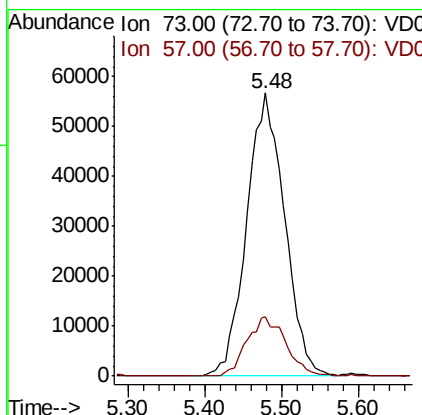
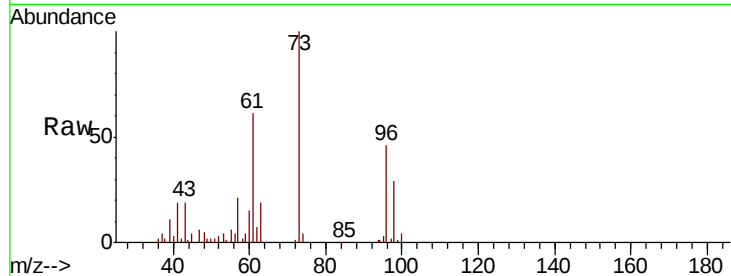




#19
Methvl tert-butvl Ether
Concen: 45.084 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD063927.D
Acq: 11 Oct 2019 10:17

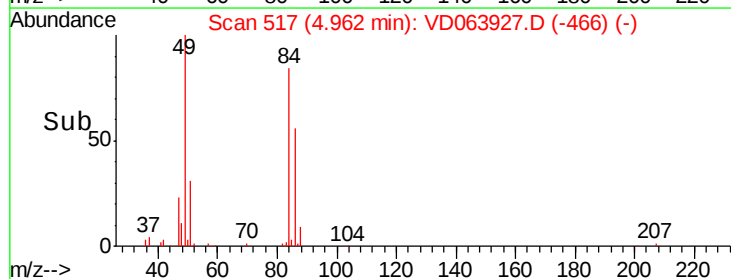
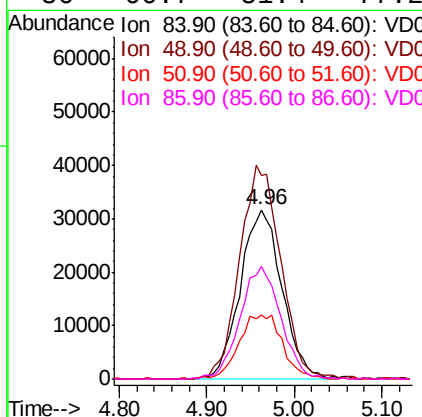
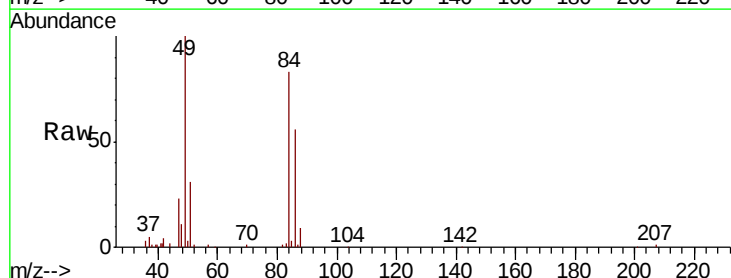
Instrument :
MSVOA_D
ClientSampleId :

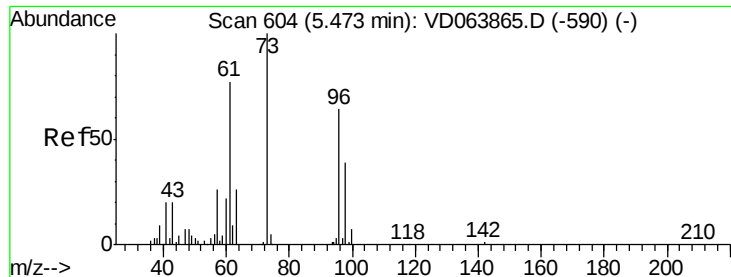
Tot Ion: 73 Resp: 195224
Ion Ratio Lower Upper
73 100
57 20.8 18.1 27.1



#20
Methylene Chloride
Concen: 45.494 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD063927.D
Acq: 11 Oct 2019 10:17

Tgt Ion: 84 Resp: 102704
Ion Ratio Lower Upper
84 100
49 120.0 97.3 145.9
51 37.5 30.1 45.1
86 66.7 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 47.690 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD063927.D

Acq: 11 Oct 2019 10:17

Instrument :

MSVOA_D

ClientSampleId :

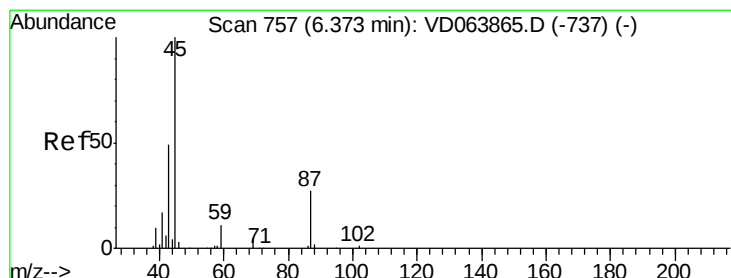
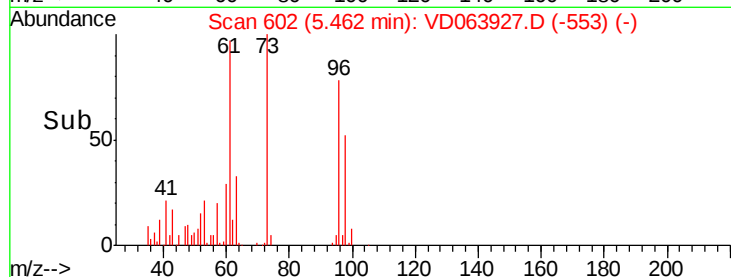
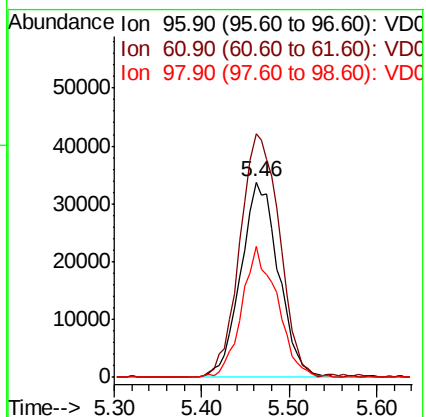
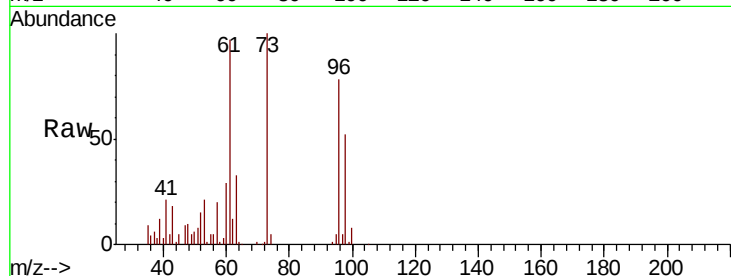
Tot Ion: 96 Resp: 99278

Ion Ratio Lower Upper

96 100

61 124.6 96.6 145.0

98 67.2 48.7 73.1



#22

Diisopropyl ether

Concen: 47.694 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD063927.D

Acq: 11 Oct 2019 10:17

Tgt Ion: 45 Resp: 270813

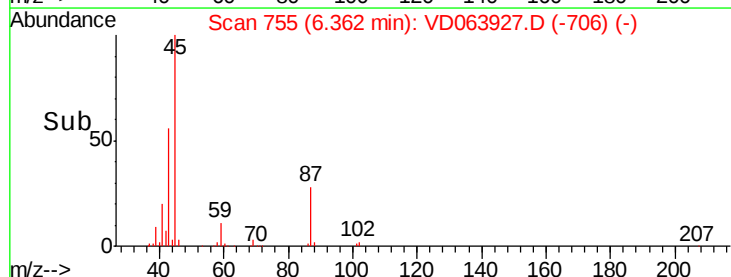
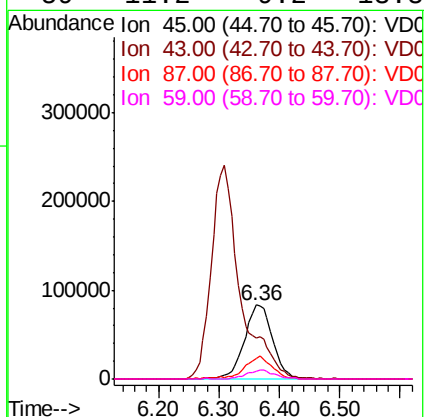
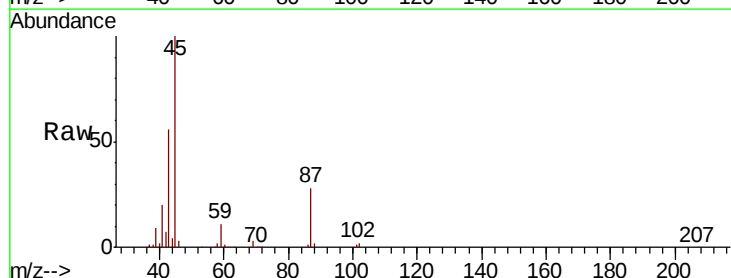
Ion Ratio Lower Upper

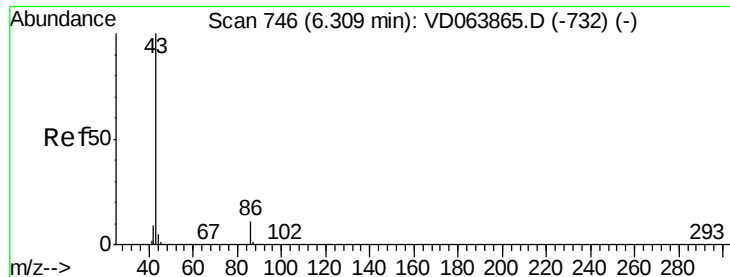
45 100

43 55.2 41.2 61.8

87 27.7 22.2 33.4

59 11.2 9.2 13.8





#23

Vinyl Acetate

Concen: 237.366 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD063927.D

Acq: 11 Oct 2019 10:17

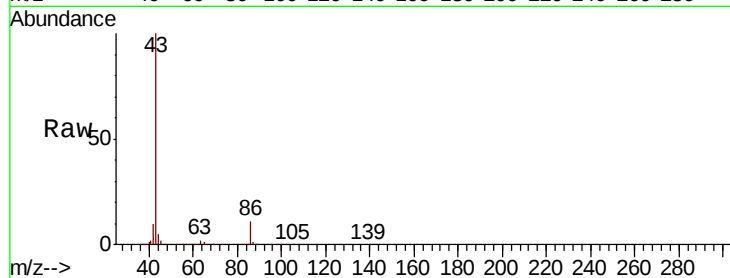
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 801779

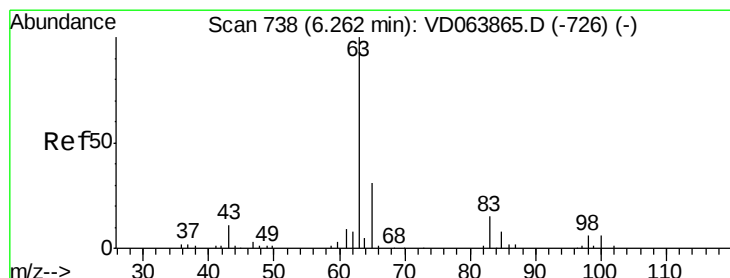
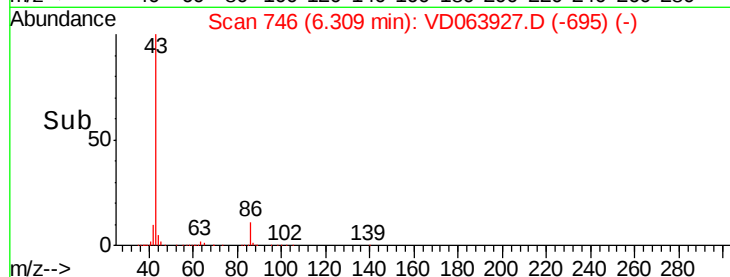
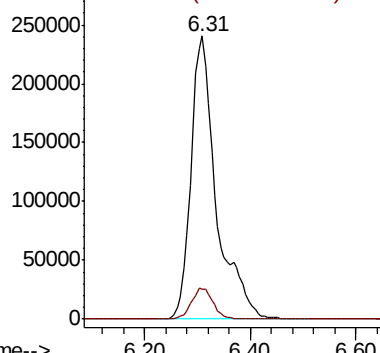
Ion Ratio Lower Upper

43 100

86 10.8 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 47.452 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD063927.D

Acq: 11 Oct 2019 10:17

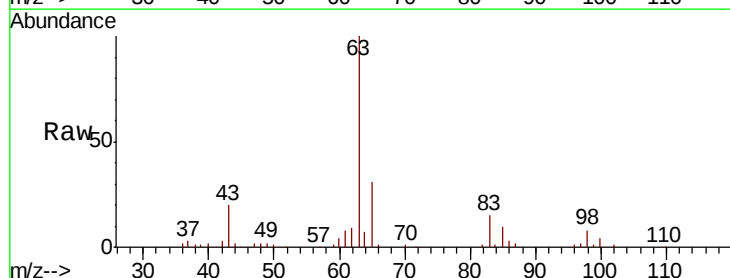
Tgt Ion: 63 Resp: 165961

Ion Ratio Lower Upper

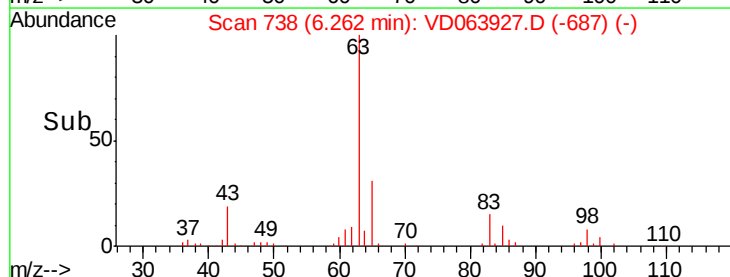
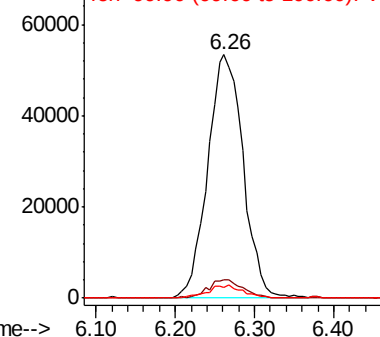
63 100

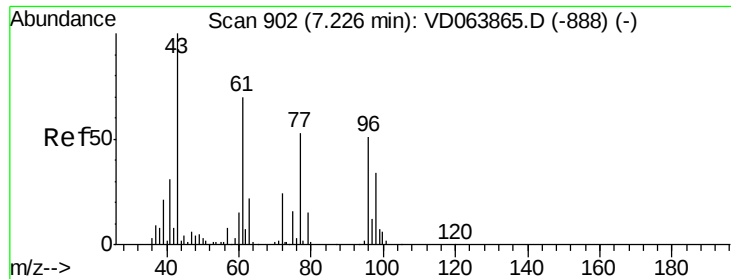
98 7.6 3.1 9.4

100 4.4 3.0 9.2



Abundance Ion 62.90 (62.60 to 63.60): VDC
Ion 97.90 (97.60 to 98.60): VDC
Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 245.631 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD063927.D

Acq: 11 Oct 2019 10:17

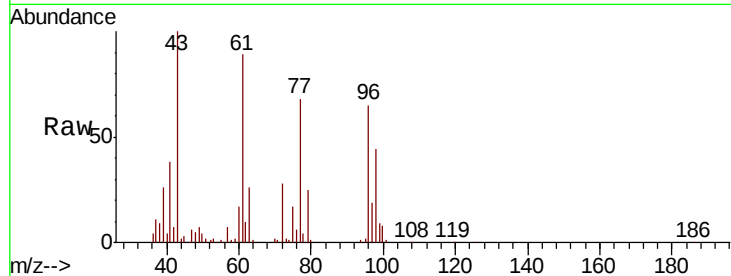
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 147227

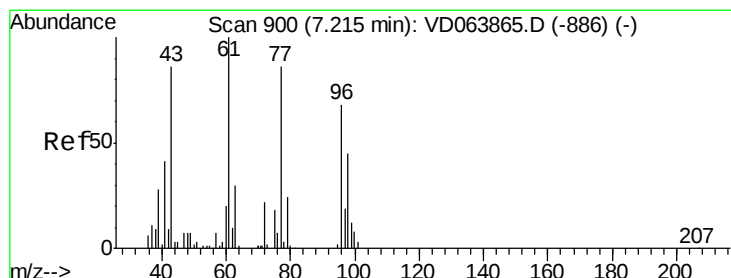
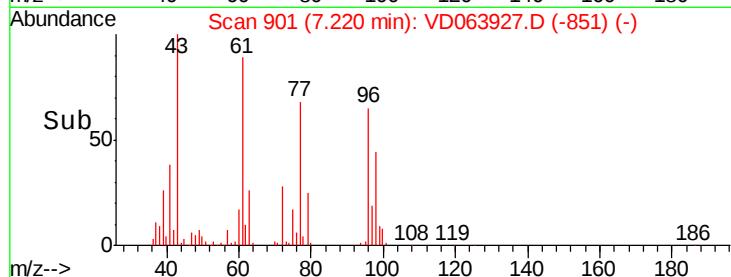
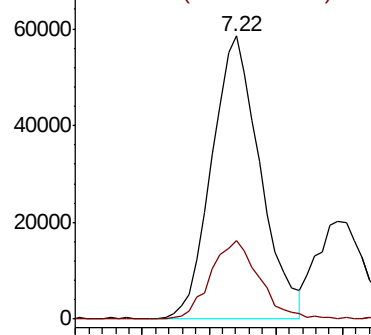
Ion Ratio Lower Upper

43 100

72 27.6 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 48.228 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD063927.D

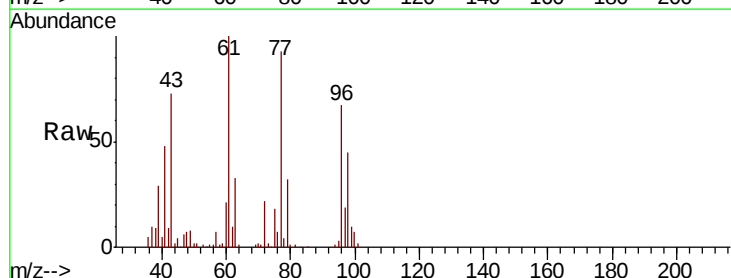
Acq: 11 Oct 2019 10:17

Tgt Ion: 77 Resp: 152582

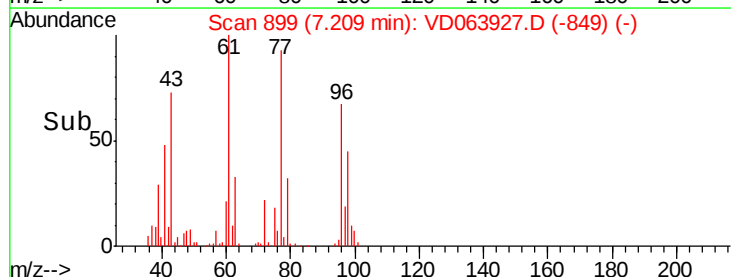
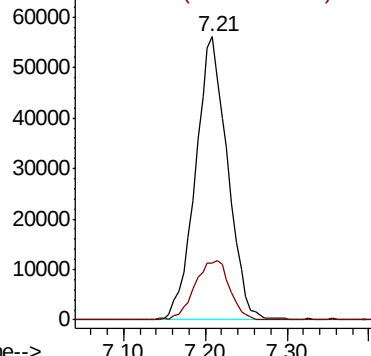
Ion Ratio Lower Upper

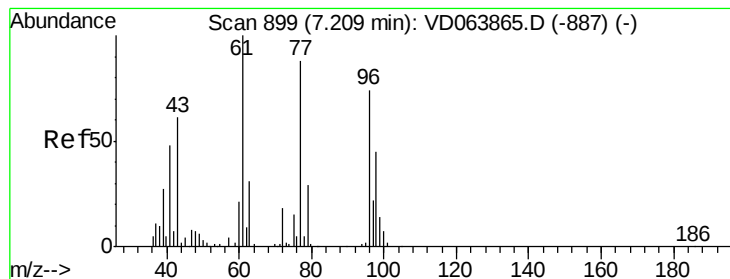
77 100

97 22.7 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VDC
Ion 96.90 (96.60 to 97.60): VDC



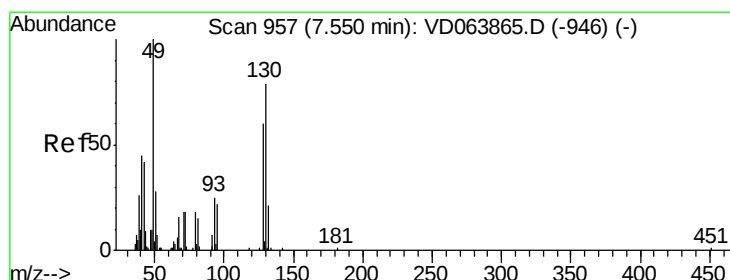
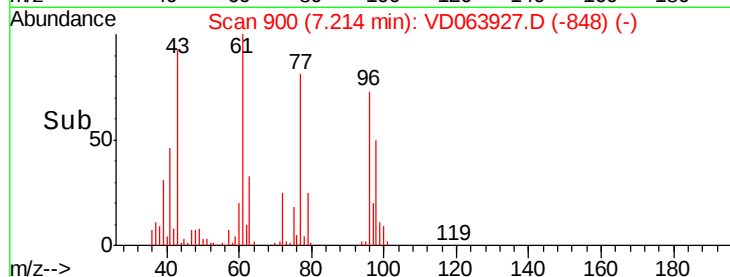
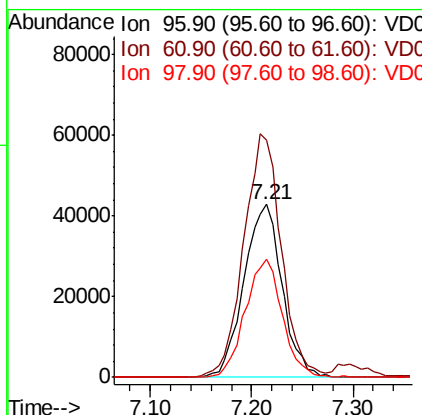
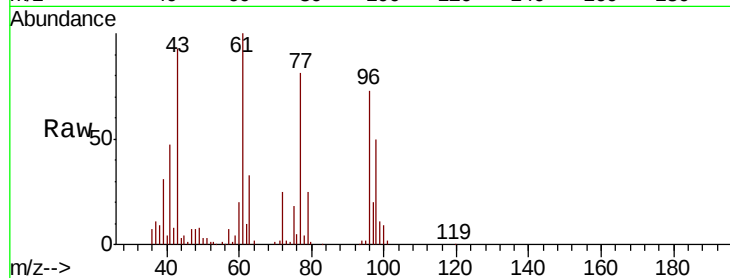


#27

cis-1,2-Dichloroethene
 Concen: 47.689 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD063927.D
 Acq: 11 Oct 2019 10:17

Instrument :
 MSVOA_D
 ClientSampleId :

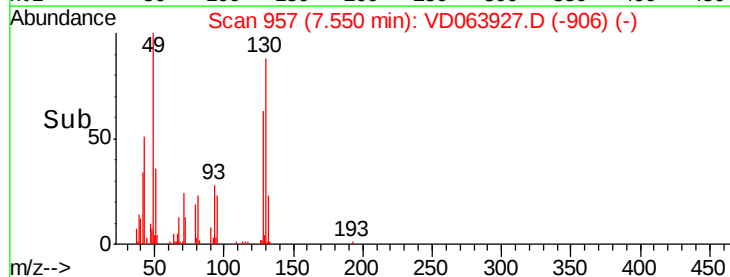
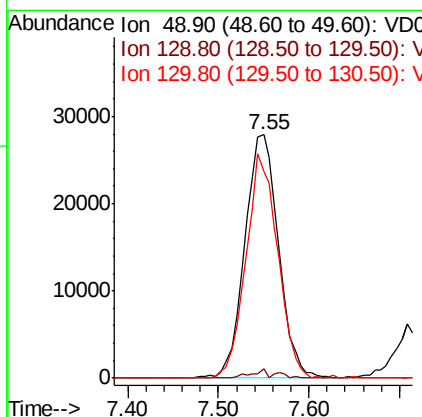
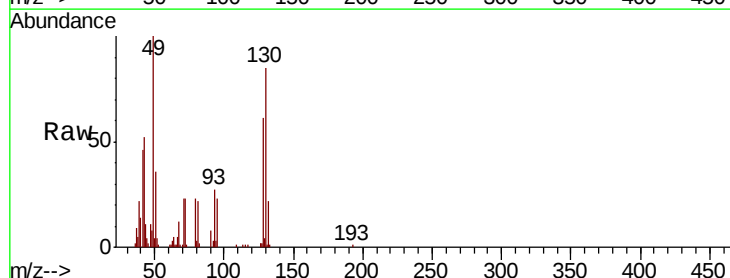
Tot Ion	Ratio	Lower	Upper
96	100		
61	138.3	0.0	280.0
98	66.1	0.0	130.4

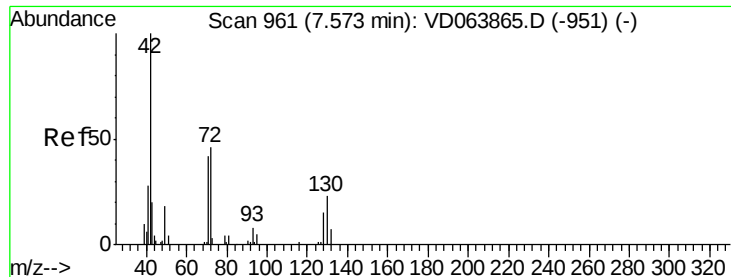


#28

Bromochloromethane
 Concen: 53.931 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD063927.D
 Acq: 11 Oct 2019 10:17

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	5.6
130	86.7	66.8	100.2

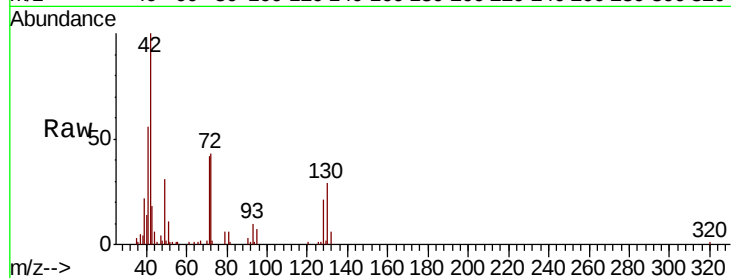




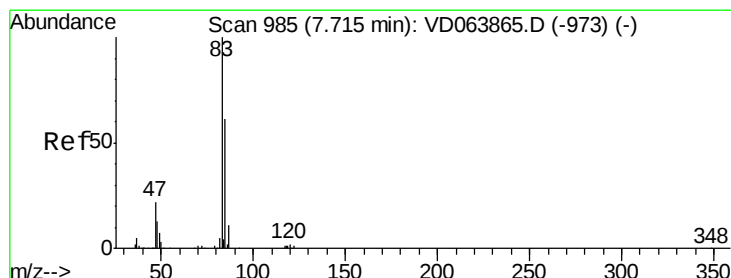
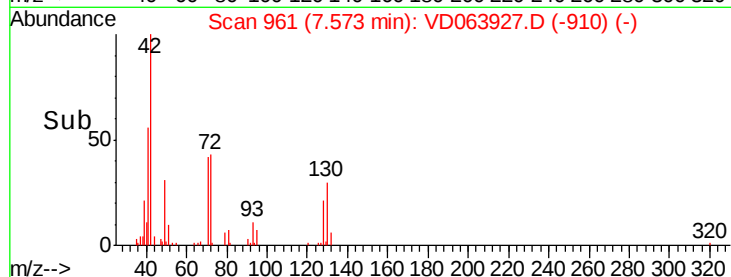
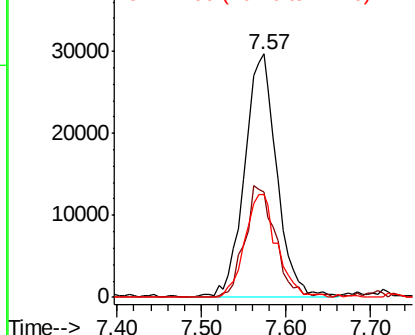
#29
Tetrahydrofuran
Concen: 225.732 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD063927.D
Acq: 11 Oct 2019 10:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 78972
Ion Ratio Lower Upper
42 100
72 43.4 37.6 56.4
71 42.0 35.0 52.6

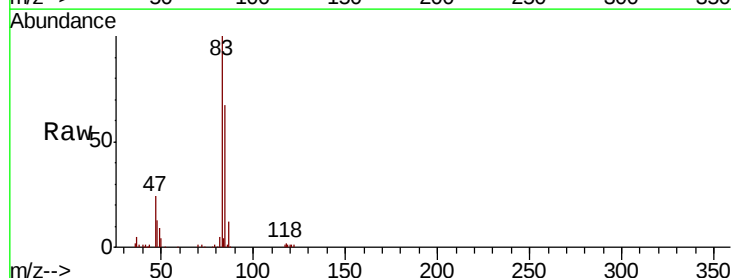


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

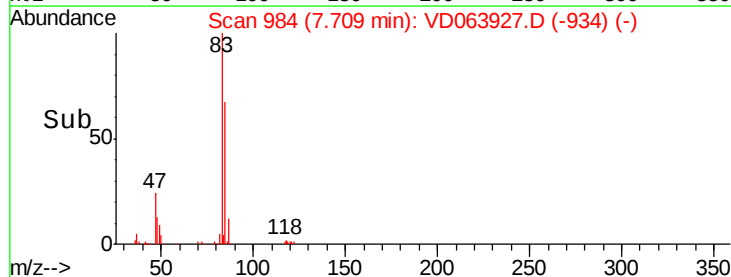
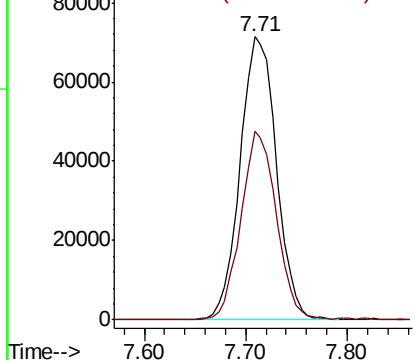


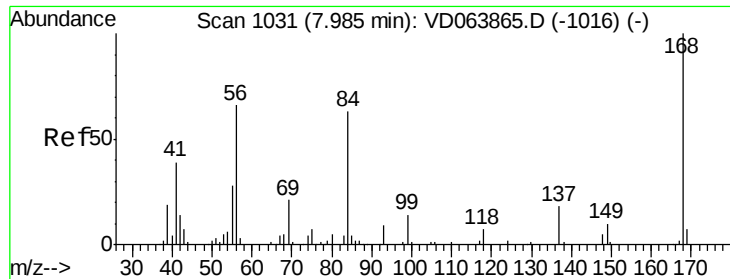
#30
Chloroform
Concen: 46.751 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD063927.D
Acq: 11 Oct 2019 10:17

Tgt Ion: 83 Resp: 177592
Ion Ratio Lower Upper
83 100
85 66.6 48.9 73.3



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC

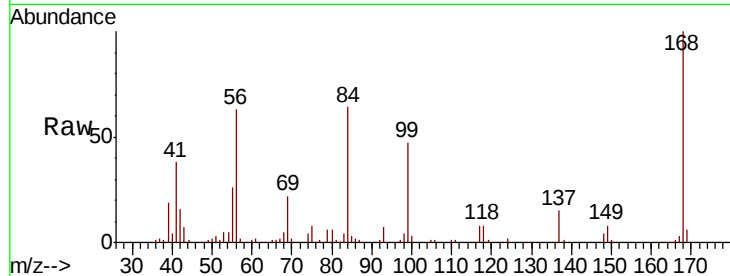




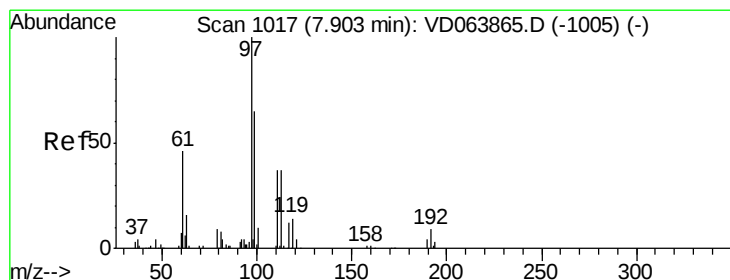
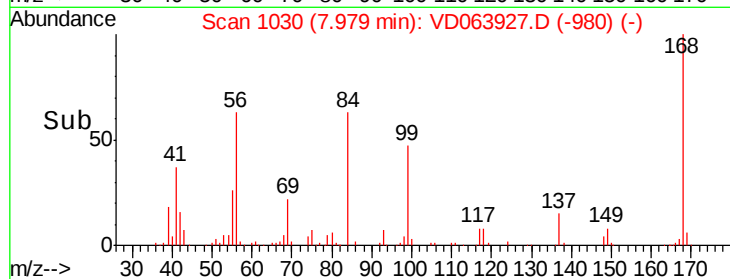
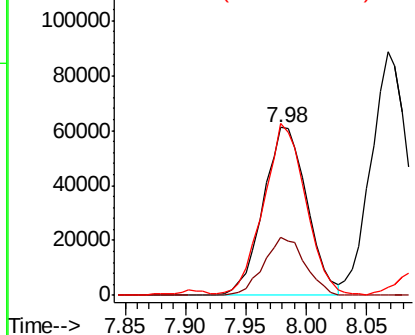
#31
Cyclohexane
Concen: 53.626 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD063927.D
Acq: 11 Oct 2019 10:17

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 154229
Ion Ratio Lower Upper
56 100
69 34.5 25.0 37.4
84 99.2 76.3 114.5

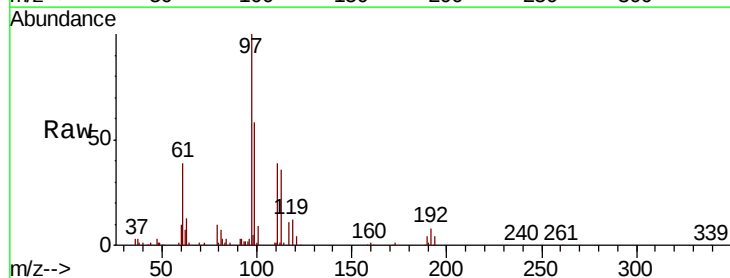


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

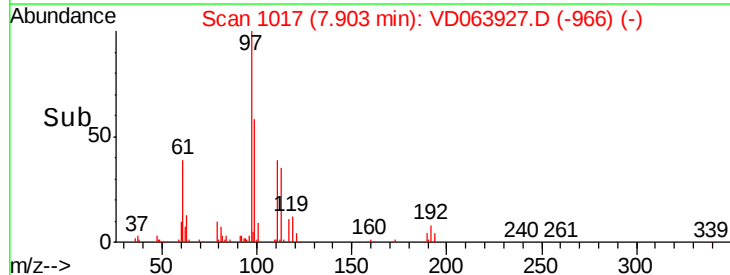
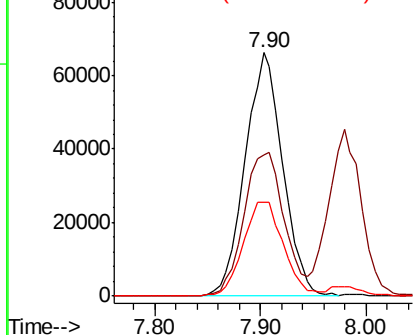


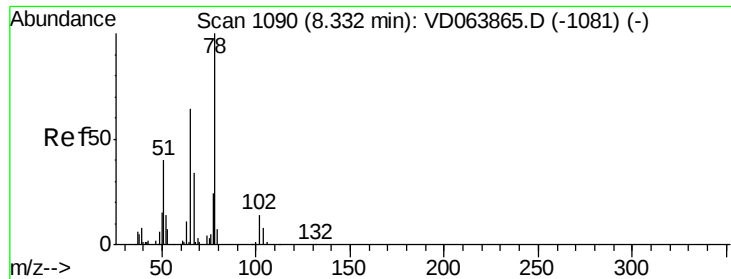
#32
1,1,1-Trichloroethane
Concen: 50.244 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD063927.D
Acq: 11 Oct 2019 10:17

Tgt Ion: 97 Resp: 163722
Ion Ratio Lower Upper
97 100
99 63.7 52.4 78.6
61 41.3 33.8 50.8



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 44.761 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD063927.D

Acq: 11 Oct 2019 10:17

Instrument :

MSVOA_D

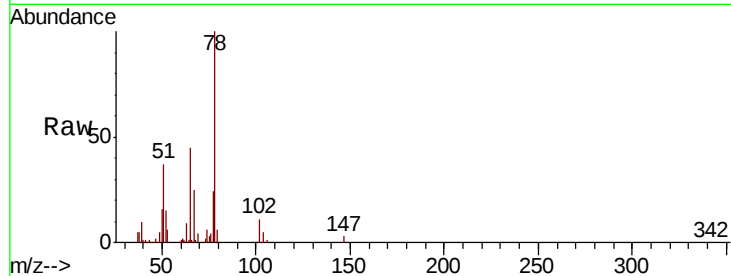
ClientSampleId :

Tot Ion: 65 Resp: 86952

Ion Ratio Lower Upper

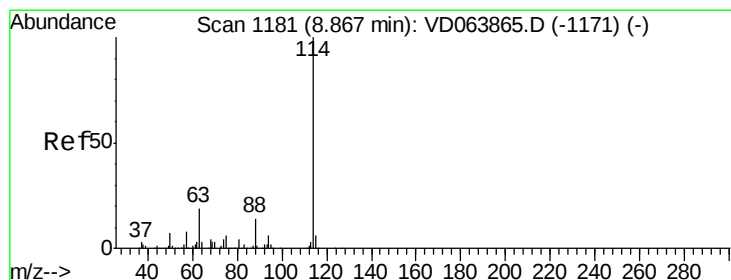
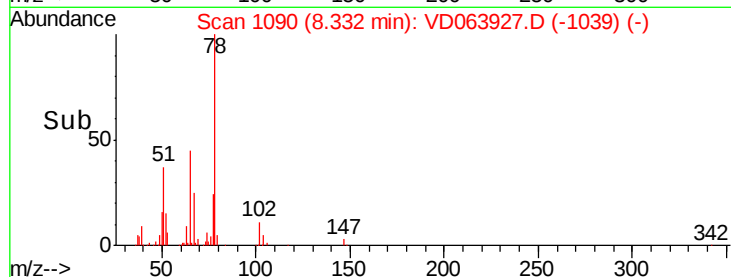
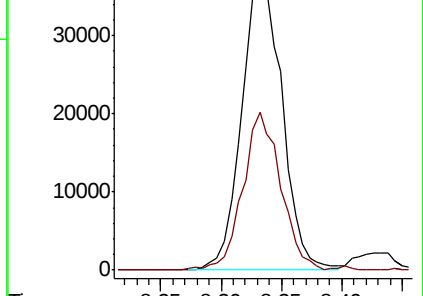
65 100

67 51.0 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD063927.D

Acq: 11 Oct 2019 10:17

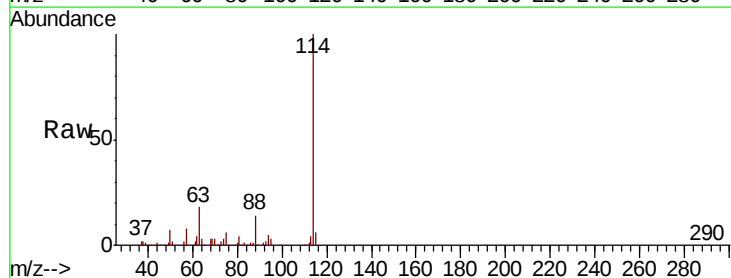
Tgt Ion:114 Resp: 307851

Ion Ratio Lower Upper

114 100

63 18.2 0.0 38.4

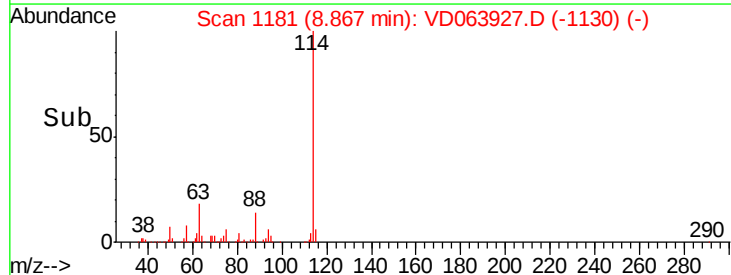
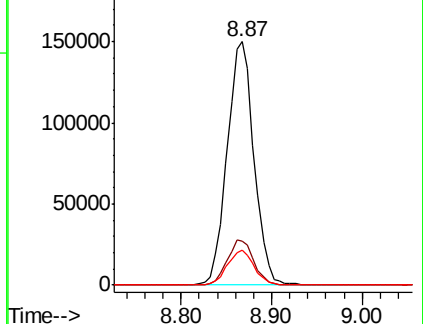
88 14.4 0.0 27.4

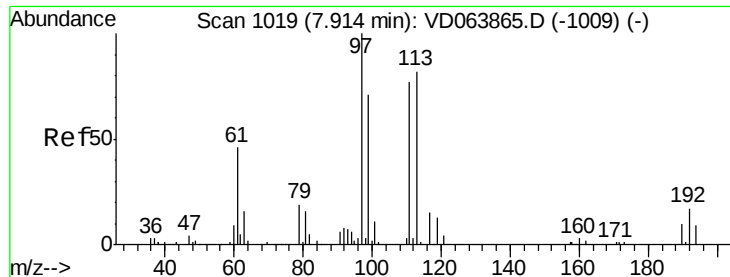


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

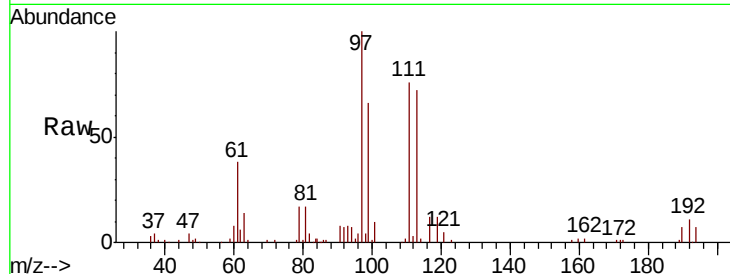




#35
 Dibromofluoromethane
 Concen: 46.740 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD063927.D
 Acq: 11 Oct 2019 10:17

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.6	82.6	123.8
192	21.3	17.1	25.7

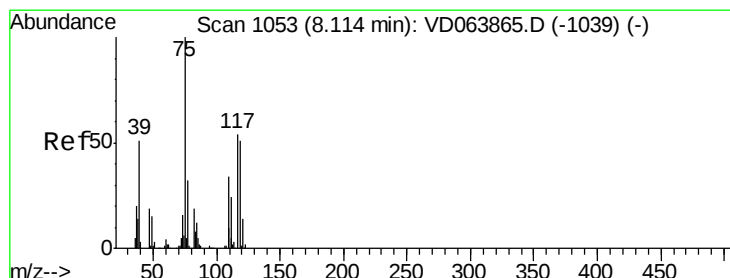
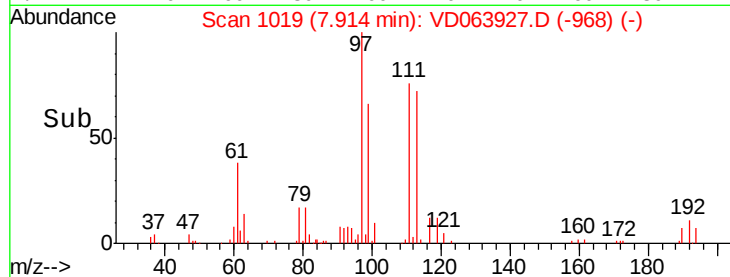
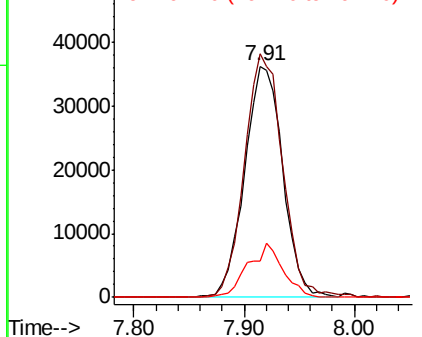


Abundance

Ion 112.80 (112.50 to 113.50): V

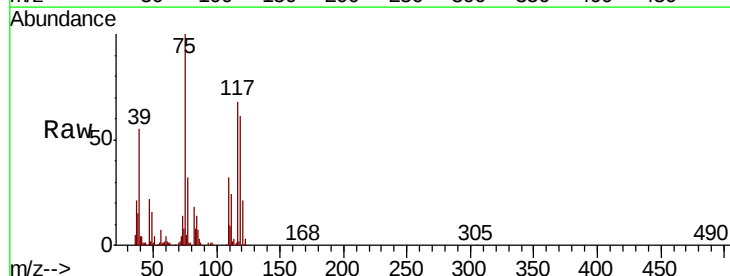
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 52.316 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD063927.D
 Acq: 11 Oct 2019 10:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.0	17.4	52.3
77	30.6	25.4	38.0

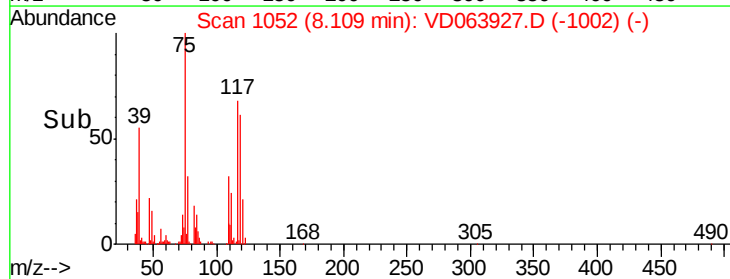
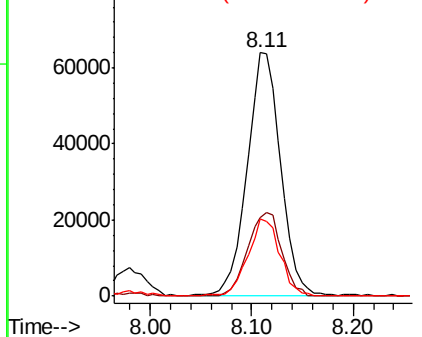


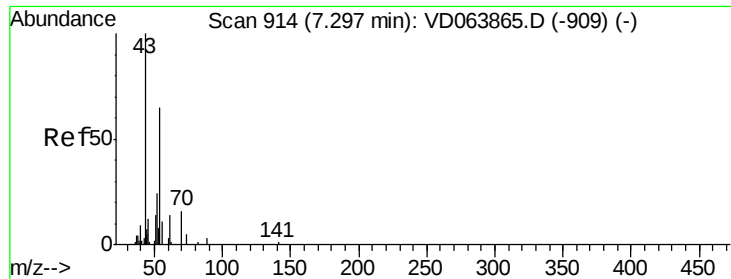
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

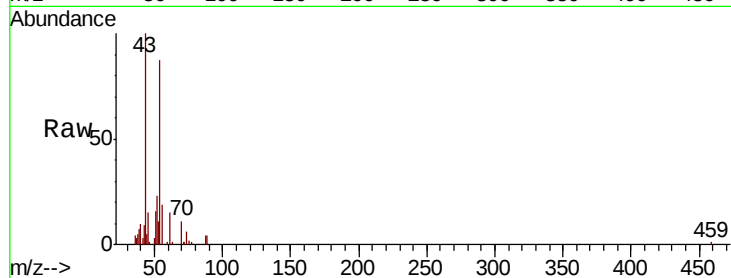




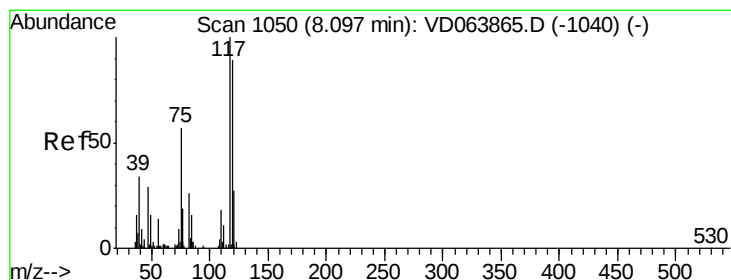
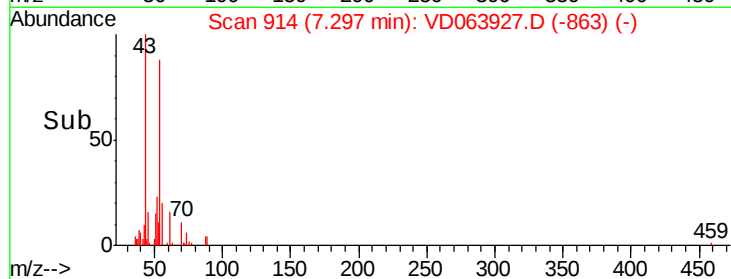
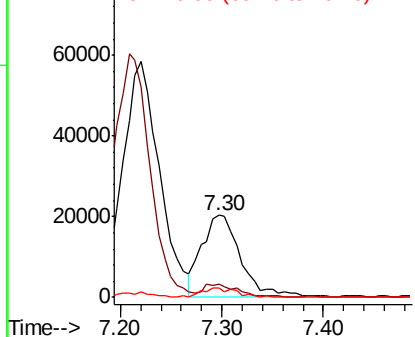
#37
Ethyl Acetate
Concen: 48.190 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD063927.D
Acq: 11 Oct 2019 10:17

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 54554
Ion Ratio Lower Upper
43 100
61 14.2 11.5 17.3
70 10.7 8.2 12.4

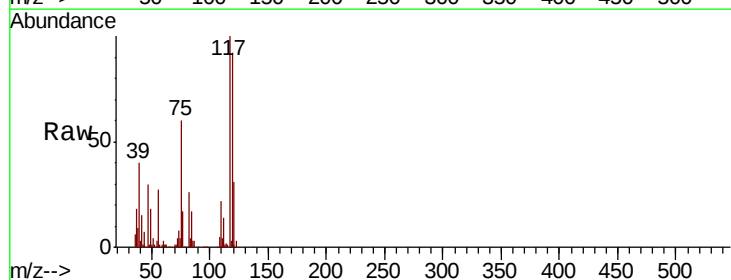


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

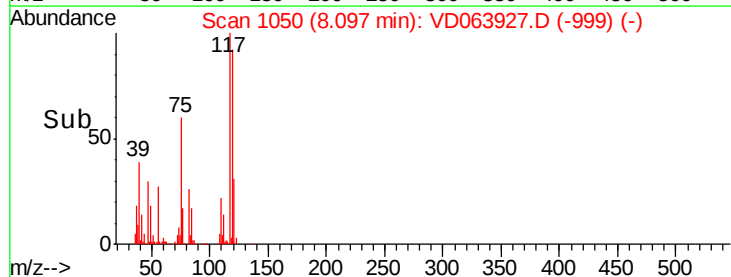
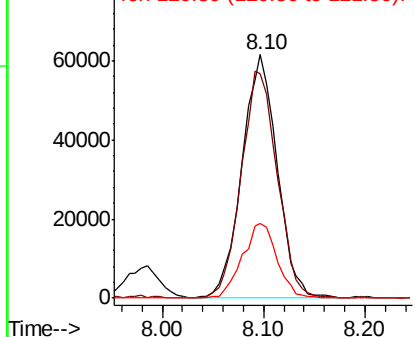


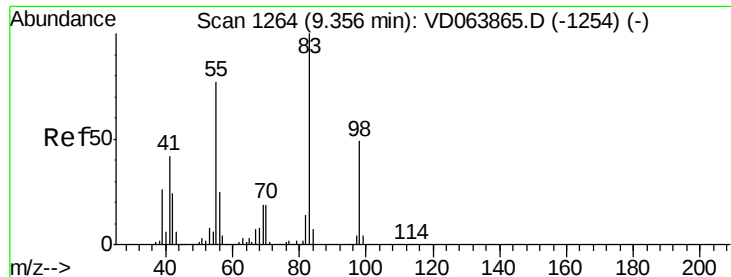
#38
Carbon Tetrachloride
Concen: 52.158 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD063927.D
Acq: 11 Oct 2019 10:17

Tgt Ion: 117 Resp: 148359
Ion Ratio Lower Upper
117 100
119 92.1 70.8 106.2
121 30.8 21.4 32.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

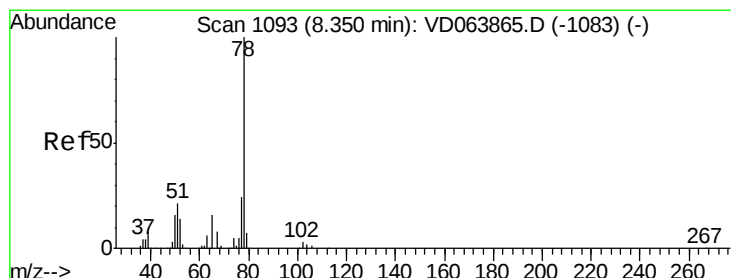
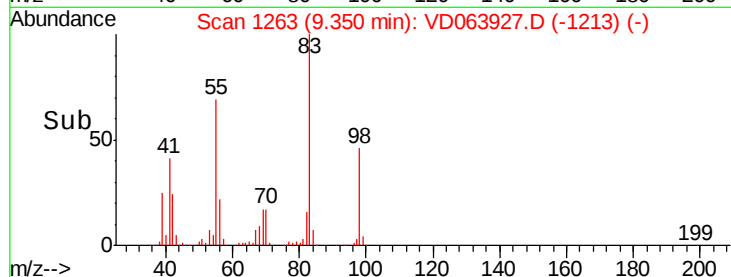
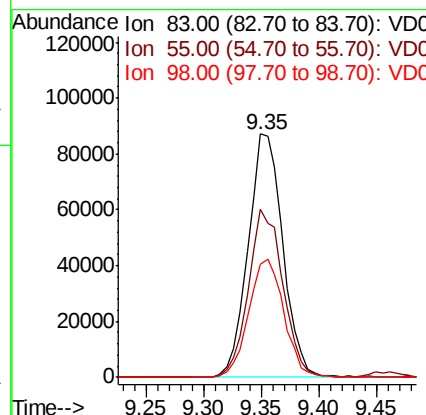
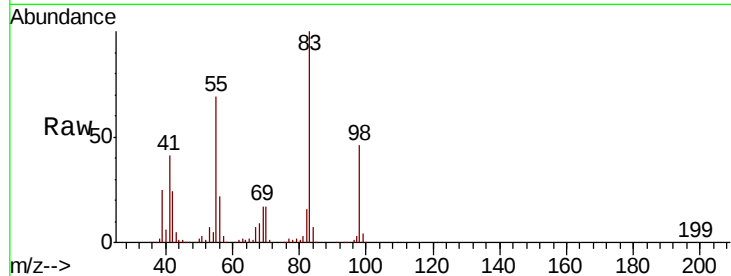




#39
Methvlcvclohexane
Concen: 52.642 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD063927.D
Acq: 11 Oct 2019 10:17

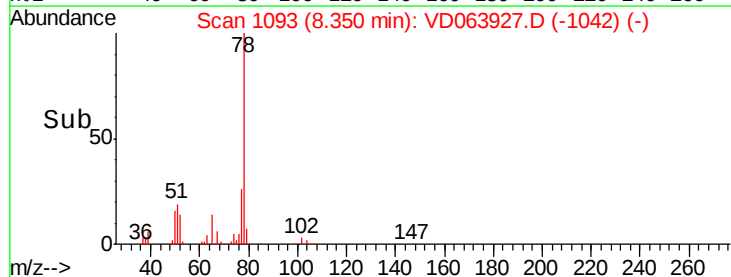
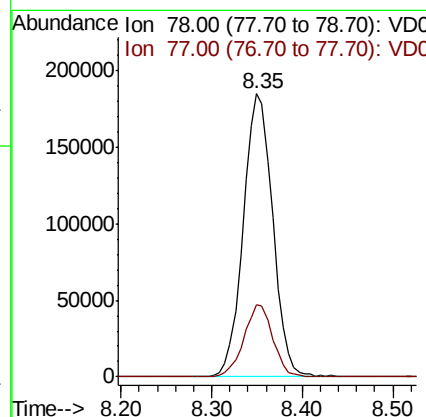
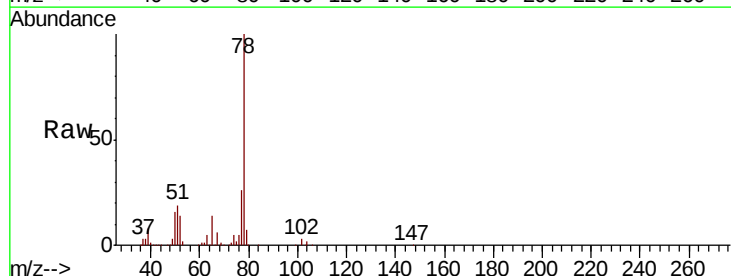
Instrument :
MSVOA_D
ClientSampled :

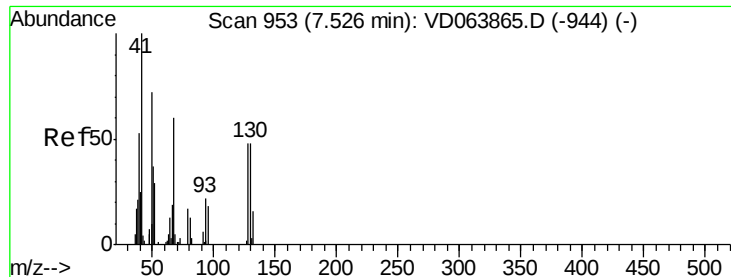
Tot Ion	83	Resp	182187
Ion Ratio	Lower	Upper	
83	100		
55	69.2	61.3	91.9
98	46.3	39.3	58.9



#40
Benzene
Concen: 51.533 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD063927.D
Acq: 11 Oct 2019 10:17

Tgt Ion	78	Resp	415680
Ion Ratio	Lower	Upper	
78	100		
77	25.6	19.0	28.6

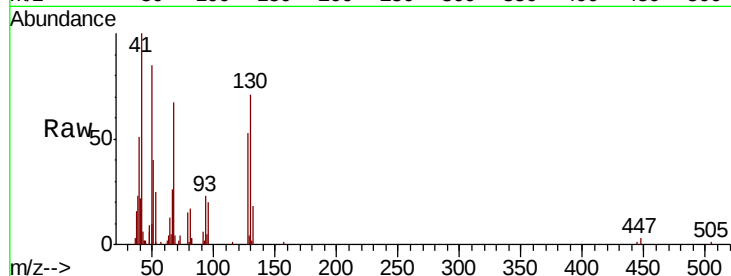




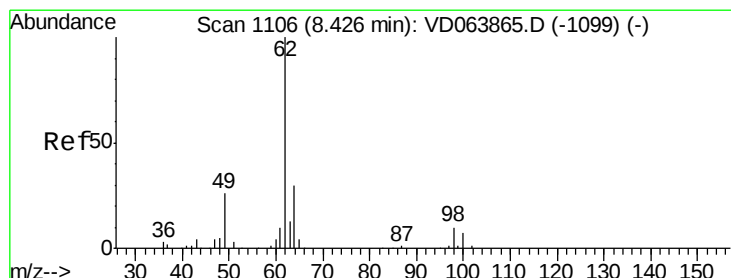
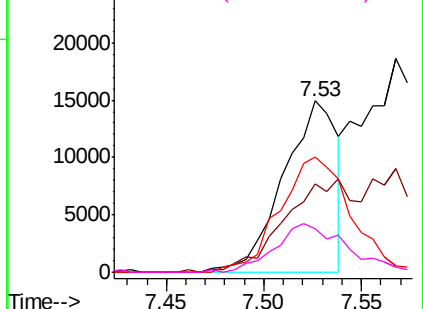
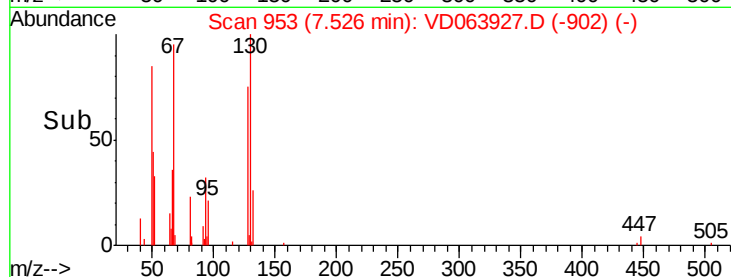
#41
Methacrylonitrile
Concen: 43.753 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.00 min
Lab File: VD063927.D
Acq: 11 Oct 2019 10:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 28553
Ion Ratio Lower Upper
41 100
39 72.1 52.6 78.8
67 88.7 74.2 111.2
52 37.4 34.0 51.0

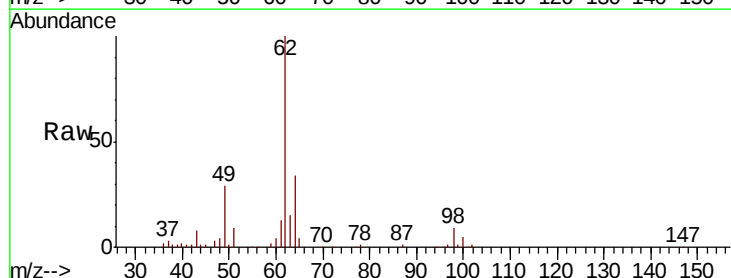


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

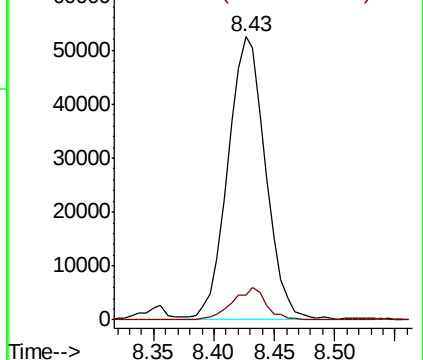
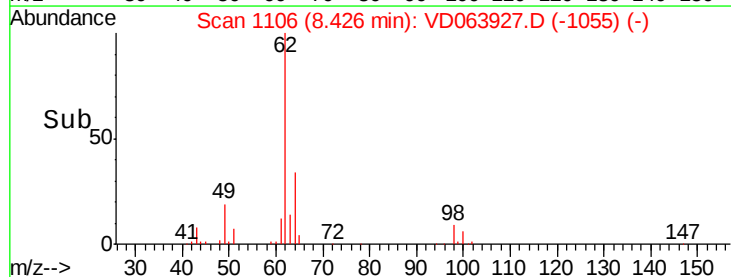


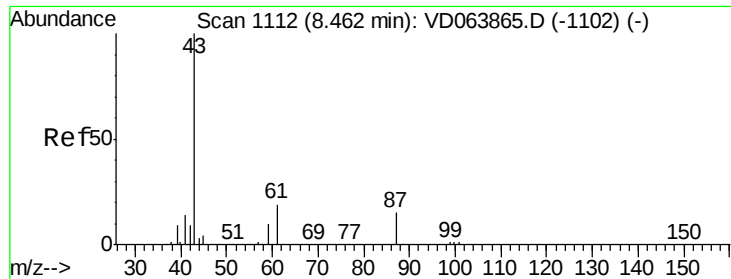
#42
1,2-Dichloroethane
Concen: 48.940 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD063927.D
Acq: 11 Oct 2019 10:17

Tgt Ion: 62 Resp: 114192
Ion Ratio Lower Upper
62 100
98 10.1 0.0 20.0



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

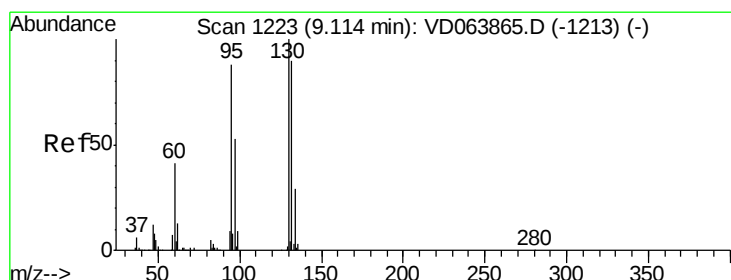
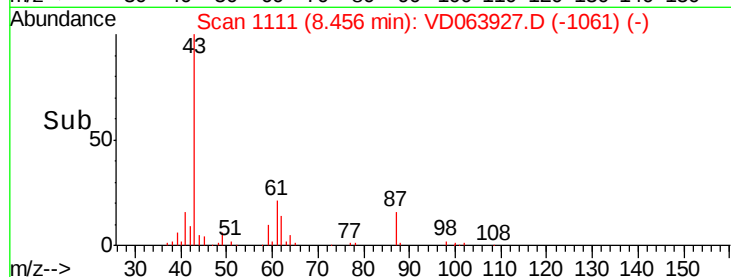
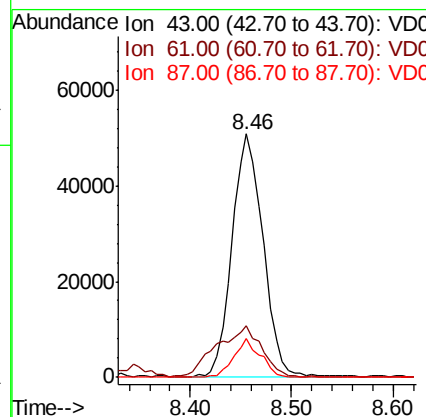
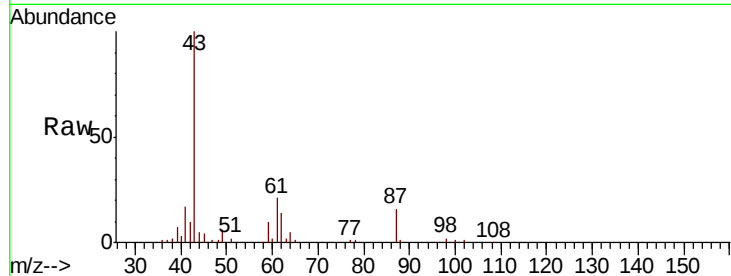




#43
Isopropyl Acetate
Concen: 45.844 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063927.D
Acq: 11 Oct 2019 10:17

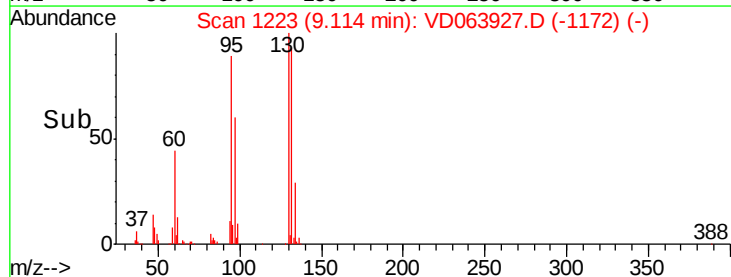
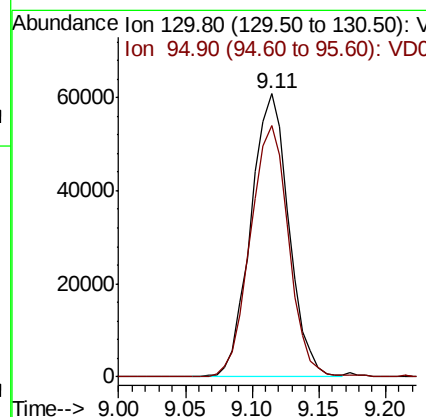
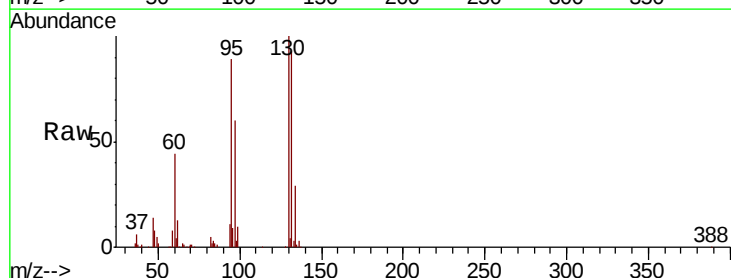
Instrument :
MSVOA_D
ClientSampleId :

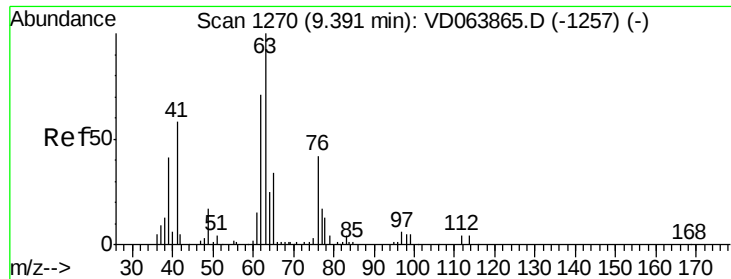
Tot Ion	43	Resp	108217
Ion Ratio	Lower	Upper	
43	100		
61	30.5	25.7	38.5
87	13.8	11.6	17.4



#44
Trichloroethene
Concen: 51.500 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD063927.D
Acq: 11 Oct 2019 10:17

Tgt Ion	130	Resp	119788
Ion Ratio	Lower	Upper	
130	100		
95	88.6	0.0	175.6

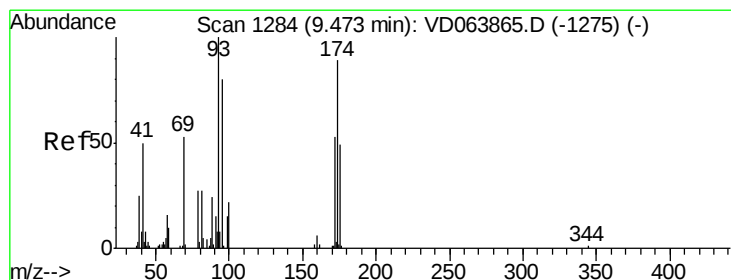
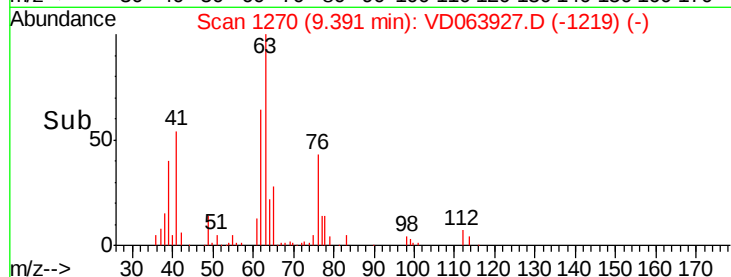
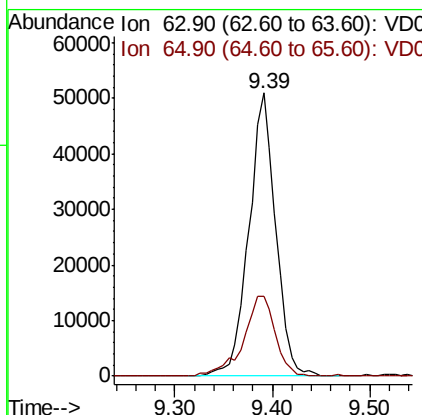
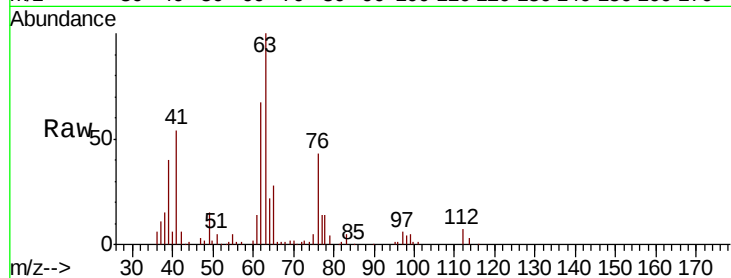




#45
 1,2-Dichloropropane
 Concen: 49.850 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD063927.D
 Acq: 11 Oct 2019 10:17

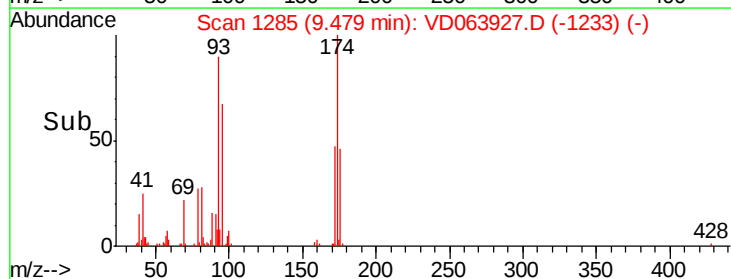
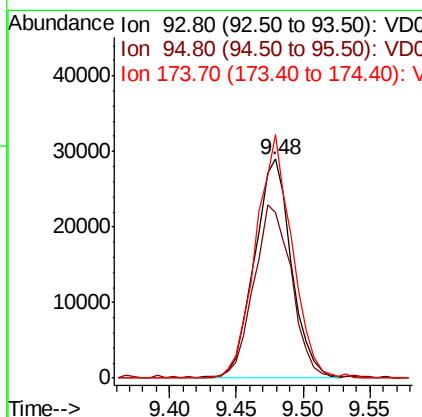
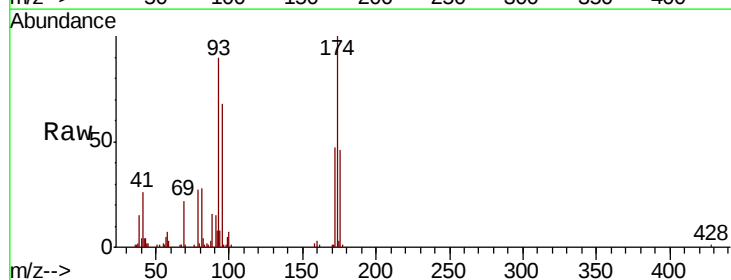
Instrument :
 MSVOA_D
 ClientSampled :

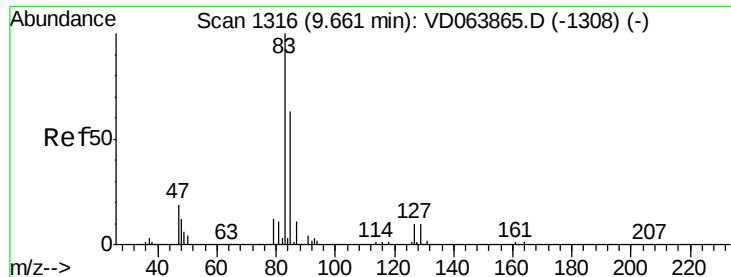
Tot Ion: 63 Resp: 98420
 Ion Ratio Lower Upper
 63 100
 65 28.3 27.3 40.9



#46
 Dibromomethane
 Concen: 49.332 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VD063927.D
 Acq: 11 Oct 2019 10:17

Tgt Ion: 93 Resp: 55469
 Ion Ratio Lower Upper
 93 100
 95 80.9 66.0 99.0
 174 109.7 83.4 125.0





#47

Bromodichloromethane

Concen: 49.289 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD063927.D

Acq: 11 Oct 2019 10:17

Instrument :

MSVOA_D

ClientSampleId :

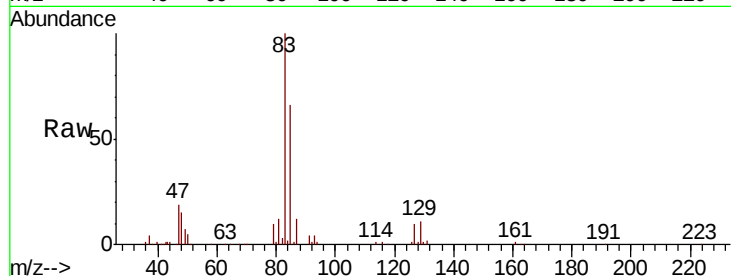
Tot Ion: 83 Resp: 142688

Ion Ratio Lower Upper

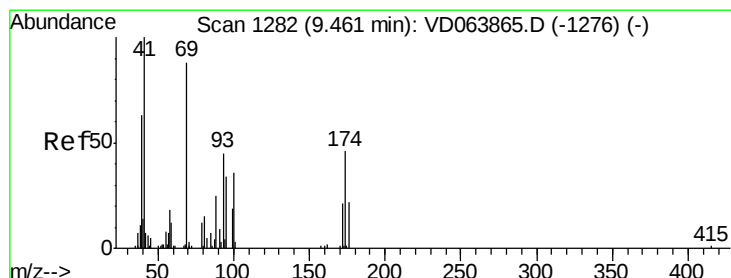
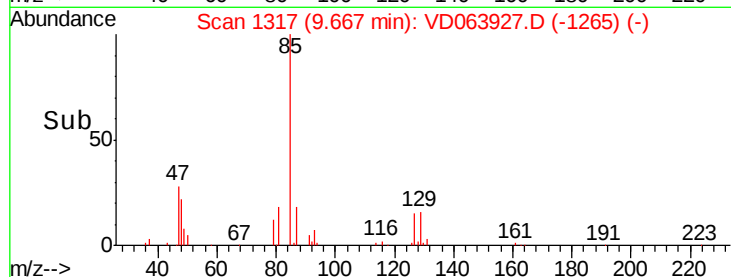
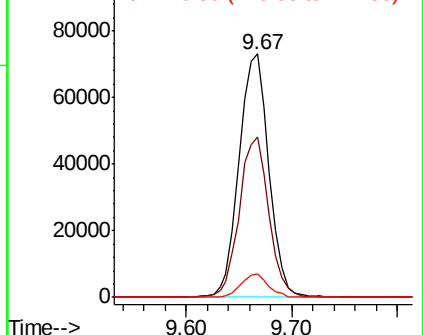
83 100

85 65.9 50.2 75.2

127 9.5 7.6 11.4



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



#48

Methyl methacrylate

Concen: 44.115 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD063927.D

Acq: 11 Oct 2019 10:17

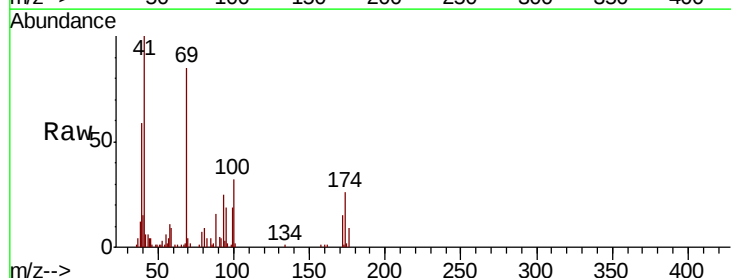
Tgt Ion: 41 Resp: 49895

Ion Ratio Lower Upper

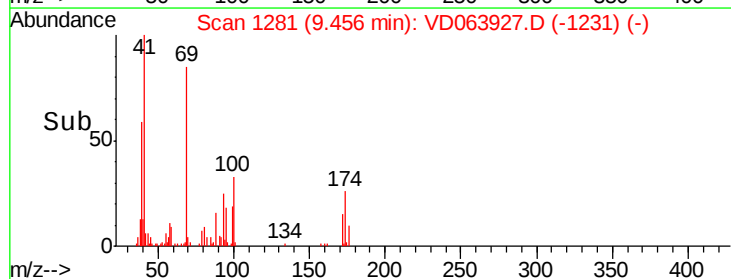
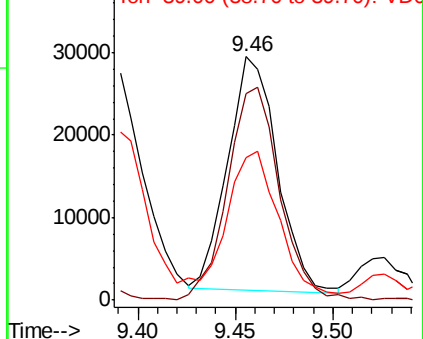
41 100

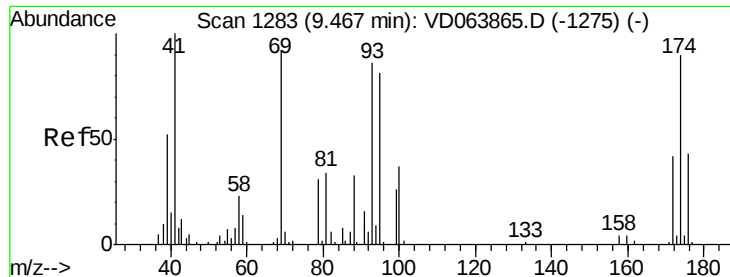
69 95.9 75.1 112.7

39 67.1 50.2 75.2



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

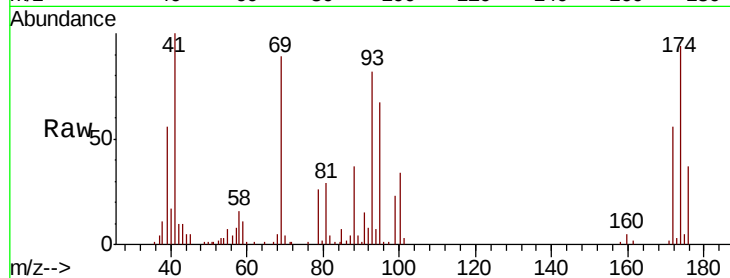




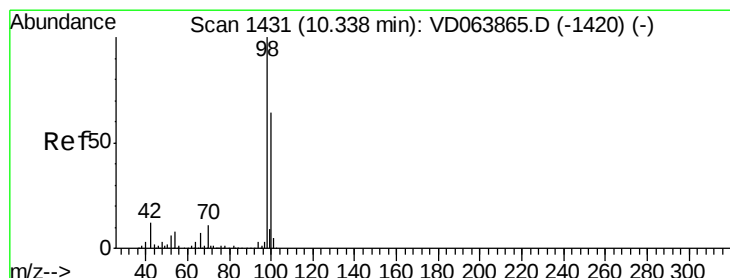
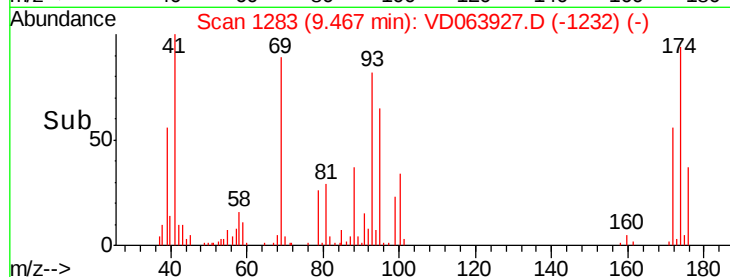
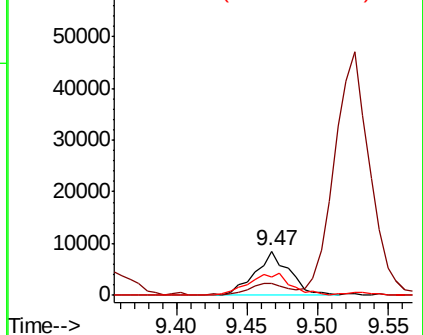
#49
 1,4-Dioxane
 Concen: 949.887 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VD063927.D
 Acq: 11 Oct 2019 10:17

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 88 Resp: 14579
 Ion Ratio Lower Upper
 88 100
 43 32.5 27.6 41.4
 58 61.5 54.1 81.1

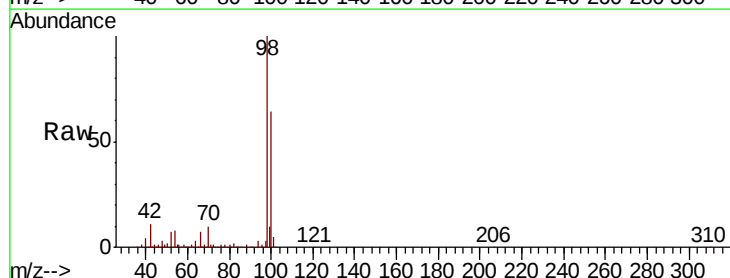


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

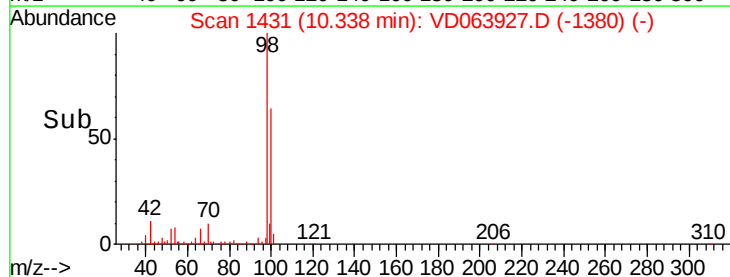
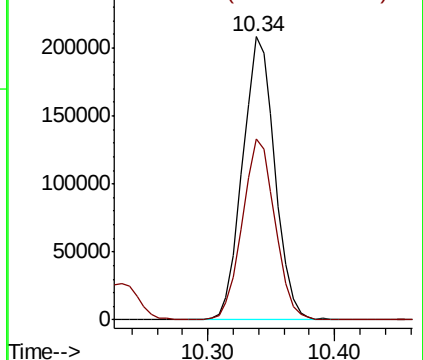


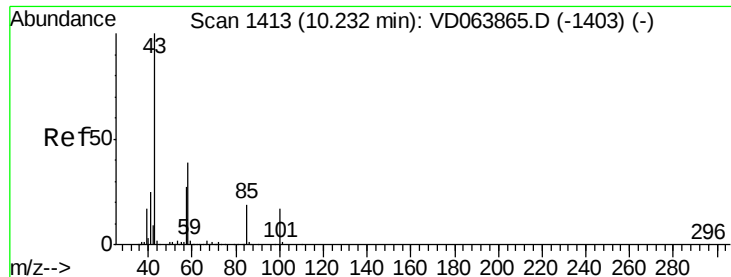
#50
 Toluene-d8
 Concen: 48.117 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. -0.00 min
 Lab File: VD063927.D
 Acq: 11 Oct 2019 10:17

Tgt Ion: 98 Resp: 367430
 Ion Ratio Lower Upper
 98 100
 100 65.3 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VDC
 Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 231.266 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD063927.D

Acq: 11 Oct 2019 10:17

Instrument :

MSVOA_D

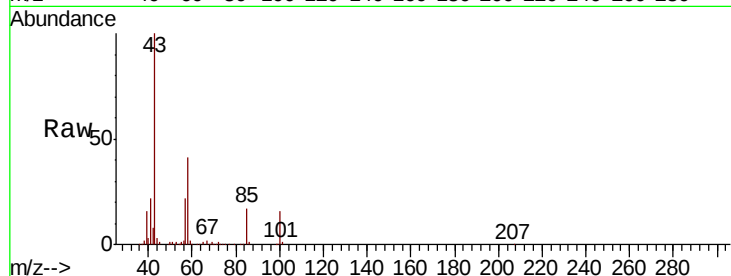
ClientSampled :

Tot Ion: 43 Resp: 283124

Ion Ratio Lower Upper

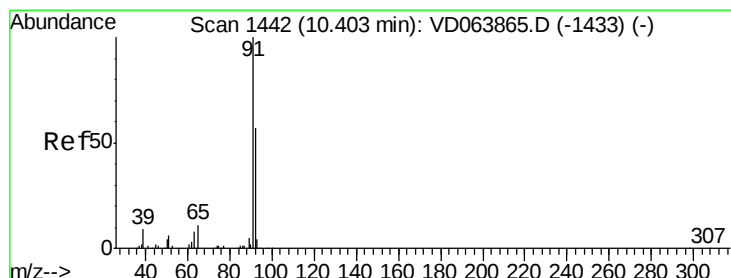
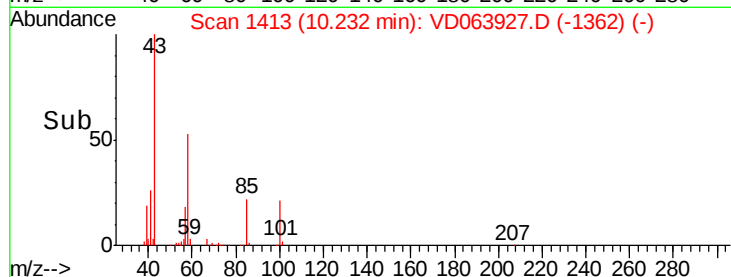
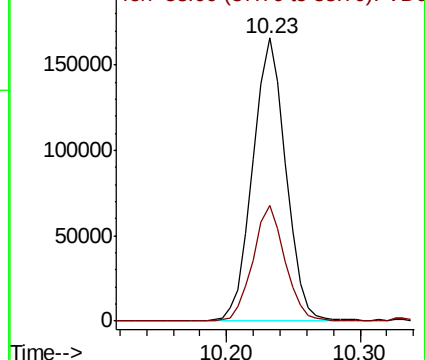
43 100

58 39.9 33.0 49.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 51.218 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD063927.D

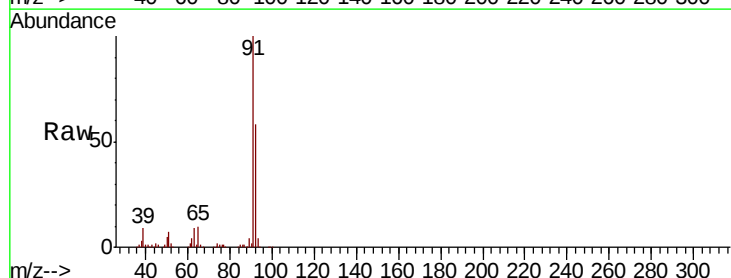
Acq: 11 Oct 2019 10:17

Tgt Ion: 92 Resp: 283613

Ion Ratio Lower Upper

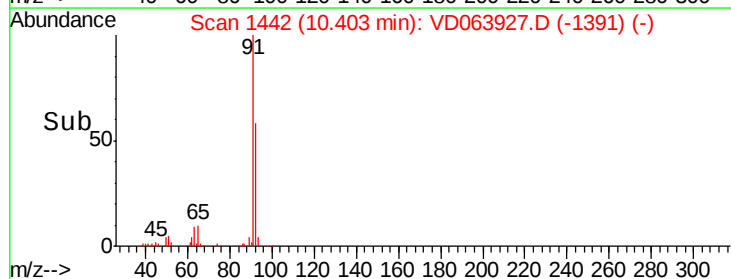
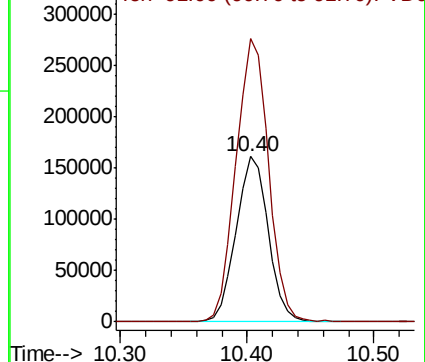
92 100

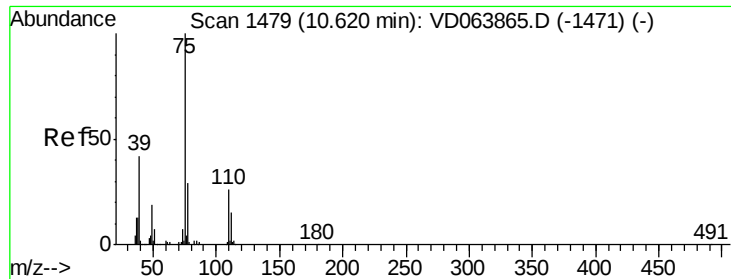
91 173.3 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

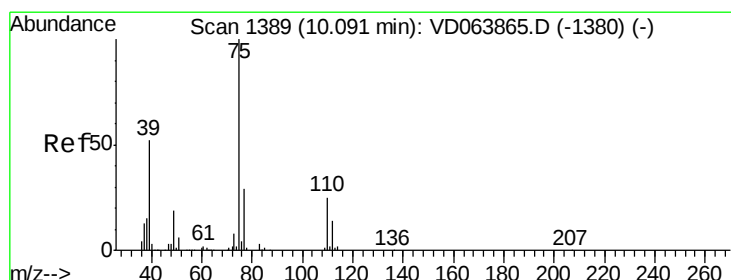
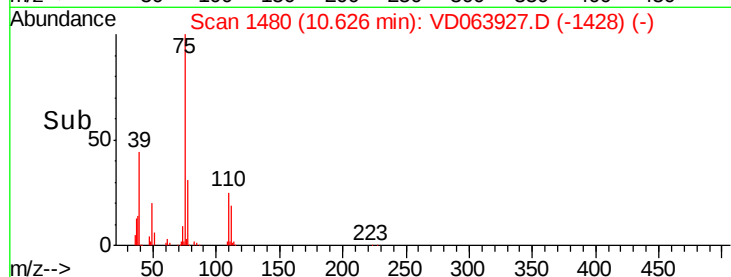
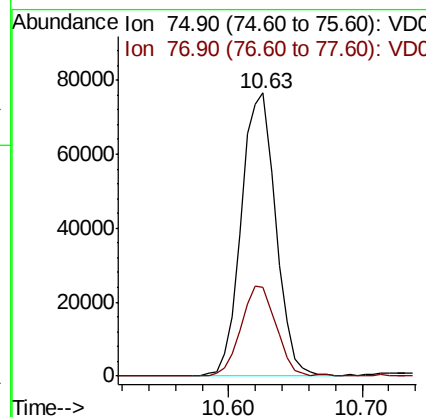
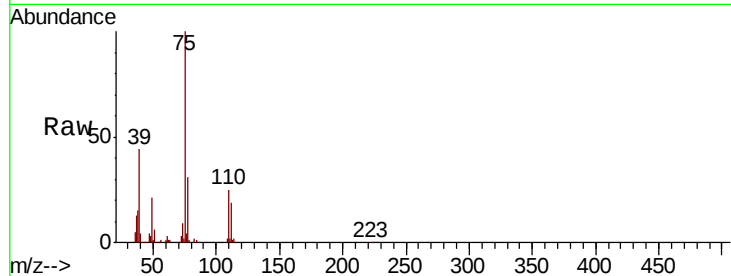




#53
 t-1,3-Dichloropropene
 Concen: 48.362 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.01 min
 Lab File: VD063927.D
 Acq: 11 Oct 2019 10:17

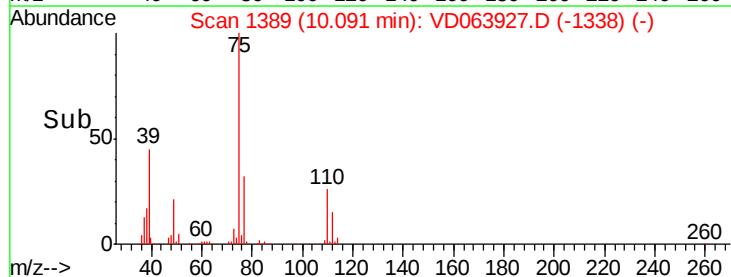
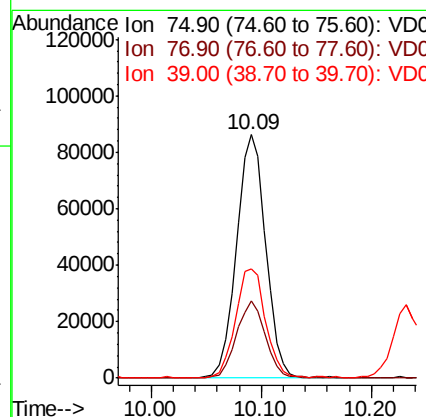
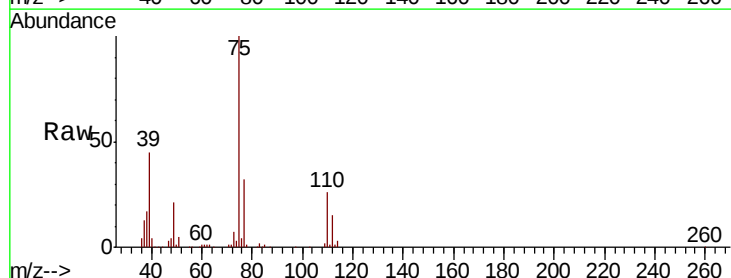
Instrument :
 MSVOA_D
 ClientSampleId :

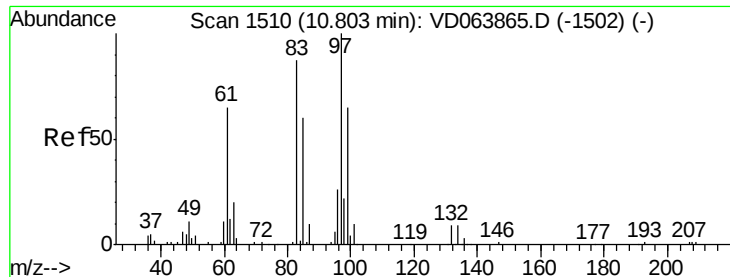
Tot Ion: 75 Resp: 136620
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.8 34.2



#54
 cis-1,3-Dichloropropene
 Concen: 49.270 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD063927.D
 Acq: 11 Oct 2019 10:17

Tgt Ion: 75 Resp: 160215
 Ion Ratio Lower Upper
 75 100
 77 31.7 23.2 34.8
 39 44.5 41.5 62.3





#55

1,1,2-Trichloroethane

Concen: 49.640 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD063927.D

Acq: 11 Oct 2019 10:17

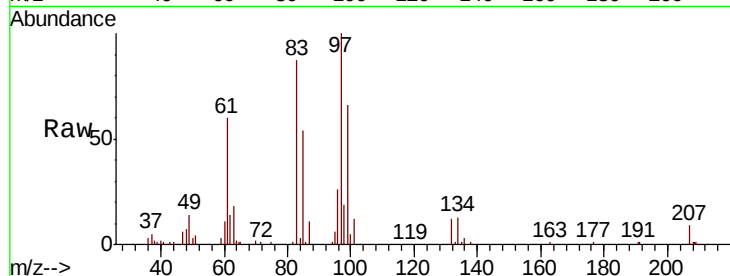
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 78809

Ion	Ratio	Lower	Upper
97	100		
83	87.7	69.7	104.5
85	53.9	48.1	72.1
99	66.8	51.9	77.9

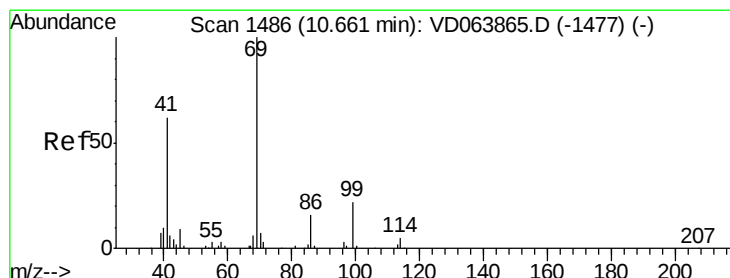
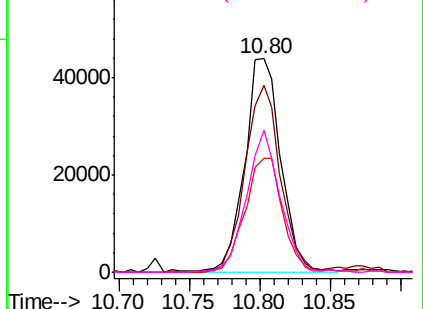
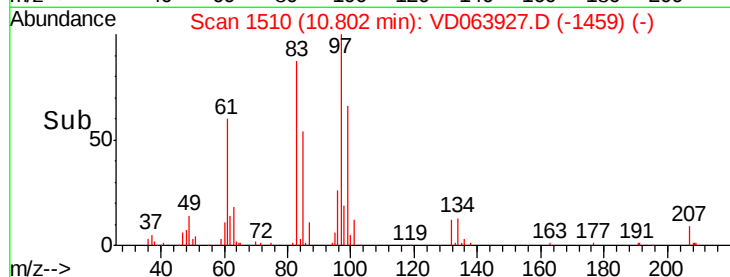


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 47.753 ug/l

RT: 10.66 min Scan# 1486

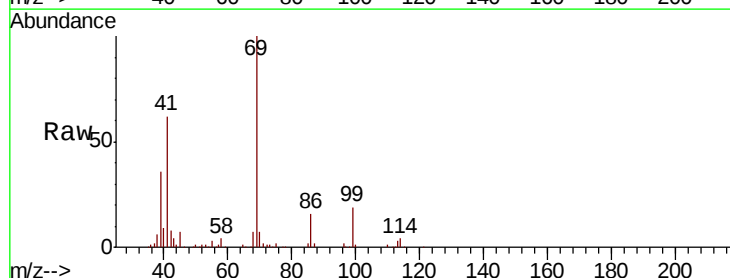
Delta R.T. -0.00 min

Lab File: VD063927.D

Acq: 11 Oct 2019 10:17

Tgt Ion: 69 Resp: 96007

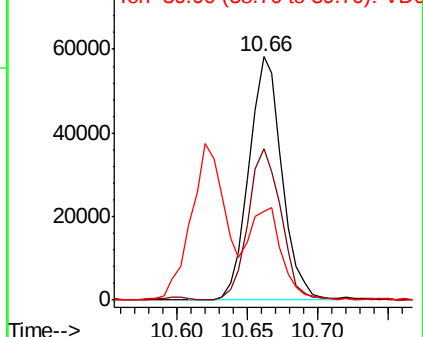
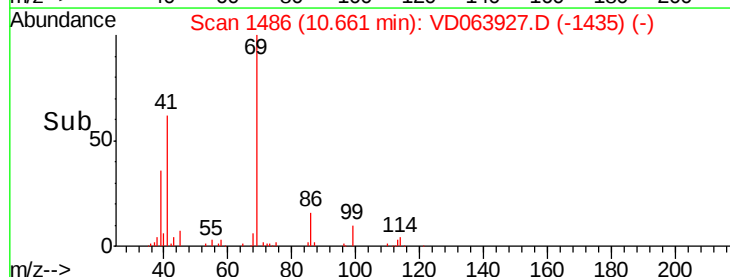
Ion	Ratio	Lower	Upper
69	100		
41	62.4	51.3	76.9
39	38.0	28.0	42.0

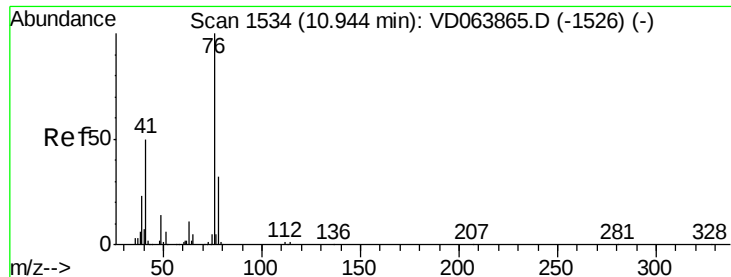


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 51.402 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VD063927.D

Acq: 11 Oct 2019 10:17

Instrument :

MSVOA_D

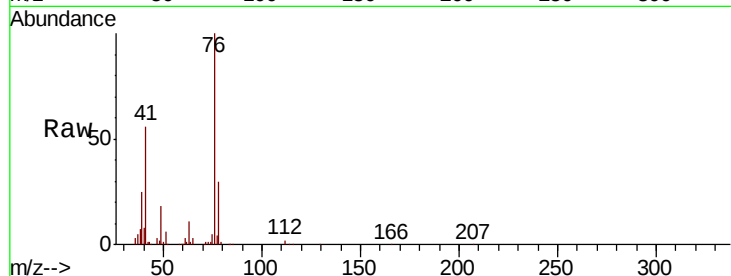
ClientSampleId :

Tot Ion: 76 Resp: 139625

Ion Ratio Lower Upper

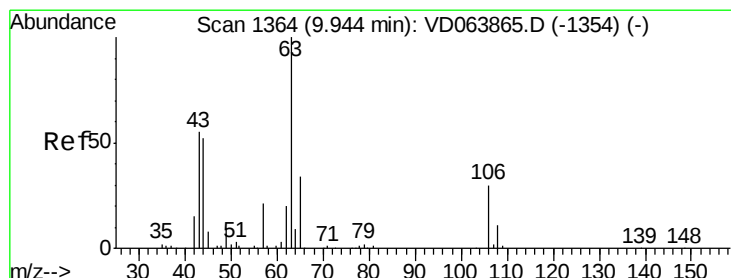
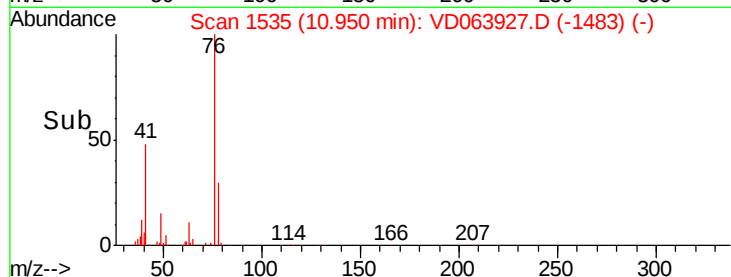
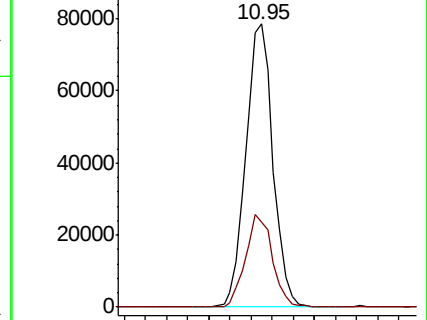
76 100

78 32.4 26.6 40.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 221.010 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD063927.D

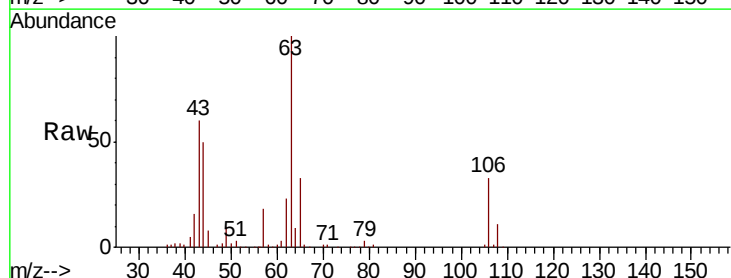
Acq: 11 Oct 2019 10:17

Tgt Ion: 63 Resp: 190994

Ion Ratio Lower Upper

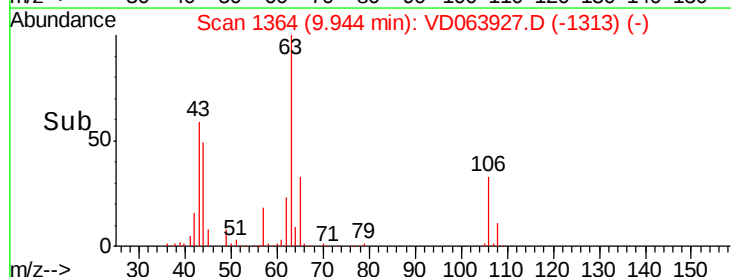
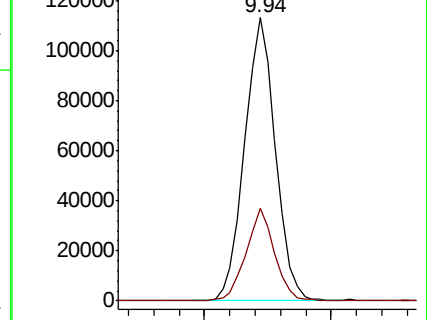
63 100

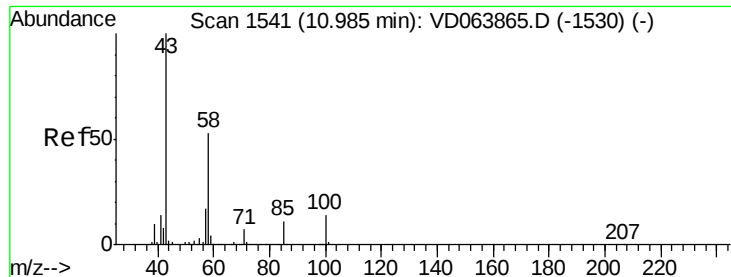
106 30.3 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

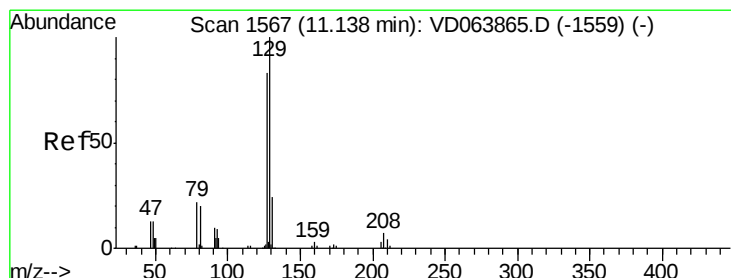
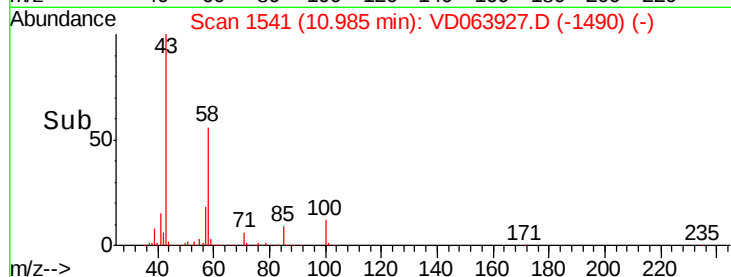
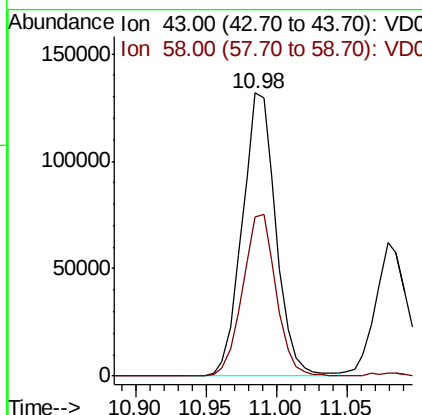
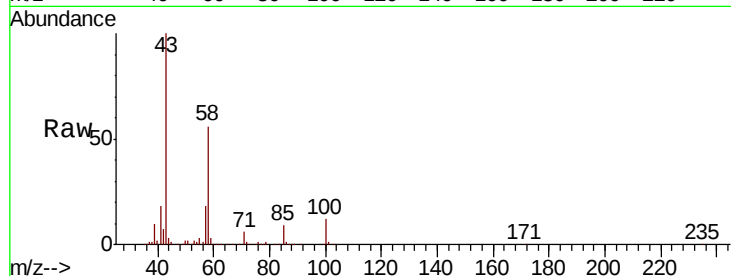




#59
2-Hexanone
Concen: 249.242 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD063927.D
Acq: 11 Oct 2019 10:17

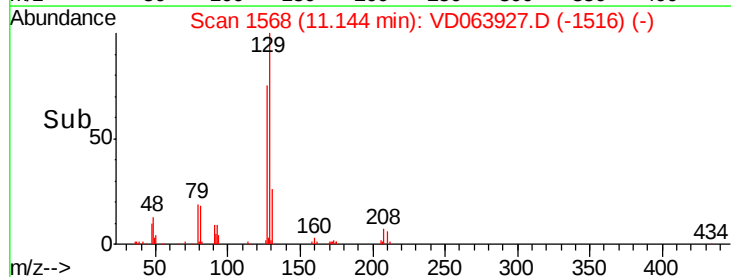
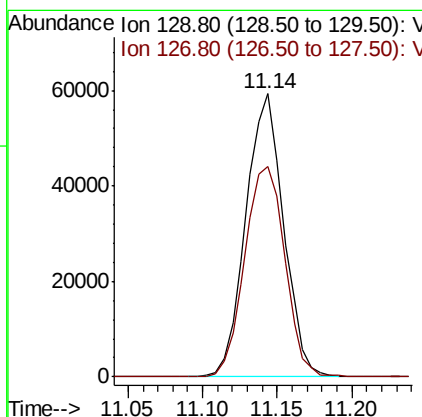
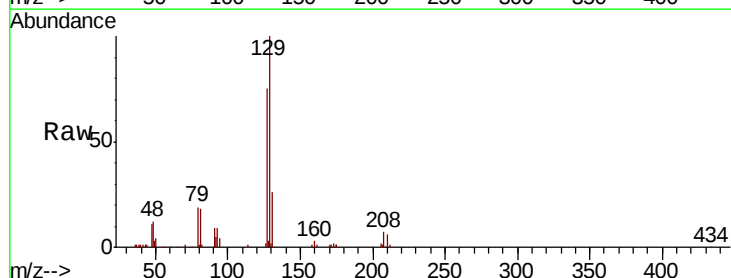
Instrument :
MSVOA_D
ClientSampleId :

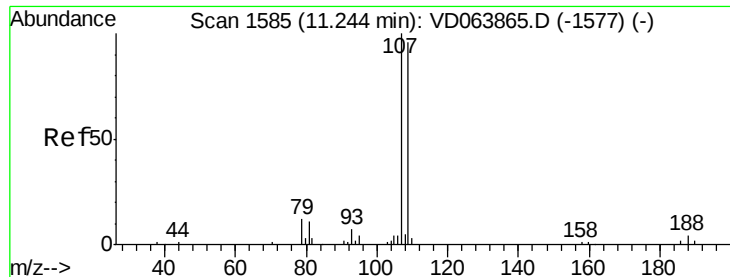
Tot Ion: 43 Resp: 220723
Ion Ratio Lower Upper
43 100
58 56.8 27.7 83.0



#60
Dibromochloromethane
Concen: 50.154 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD063927.D
Acq: 11 Oct 2019 10:17

Tgt Ion: 129 Resp: 103665
Ion Ratio Lower Upper
129 100
127 79.3 39.9 119.6

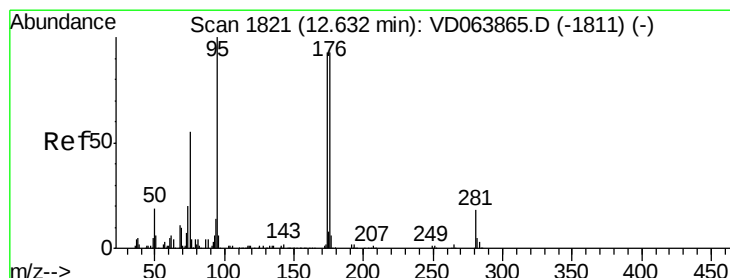
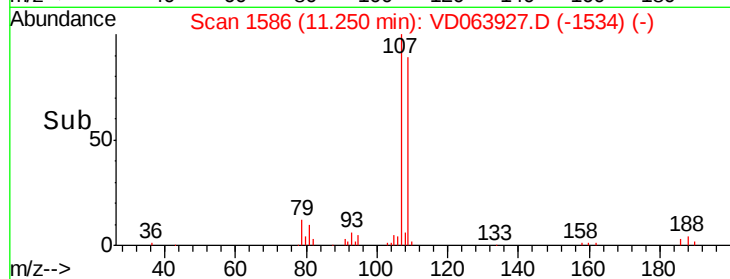
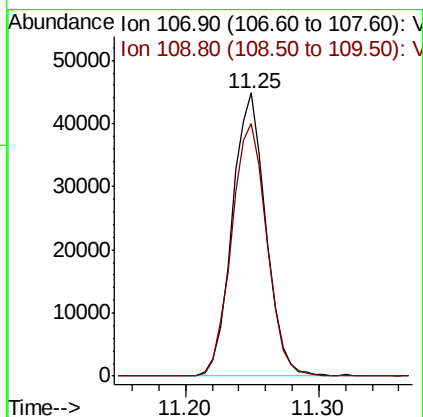
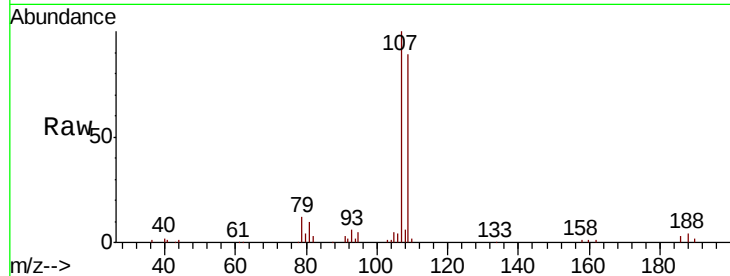




#61
 1,2-Dibromoethane
 Concen: 50.775 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD063927.D
 Acq: 11 Oct 2019 10:17

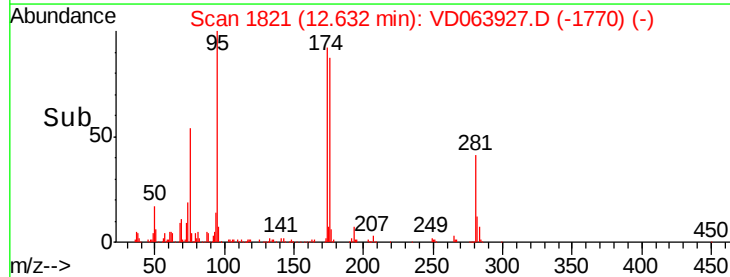
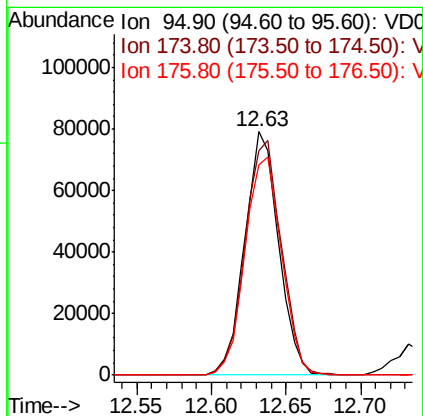
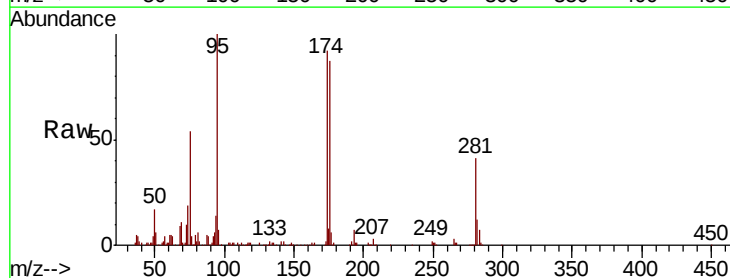
Instrument :
 MSVOA_D
 ClientSampleId :

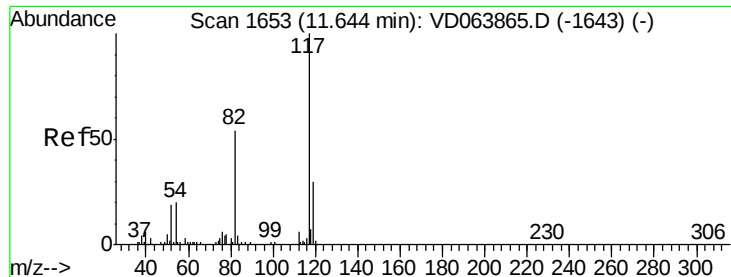
Tot Ion: 107 Resp: 78149
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 46.854 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063927.D
 Acq: 11 Oct 2019 10:17

Tgt Ion: 95 Resp: 124331
 Ion Ratio Lower Upper
 95 100
 174 102.8 0.0 186.4
 176 96.6 0.0 184.2

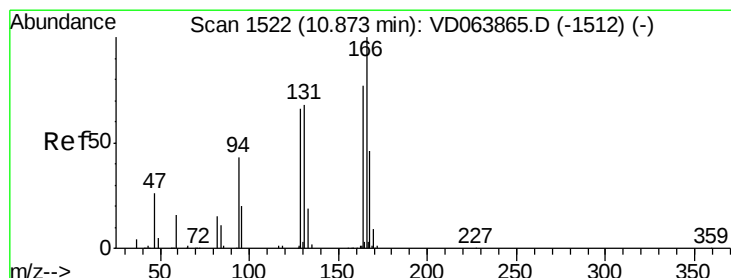
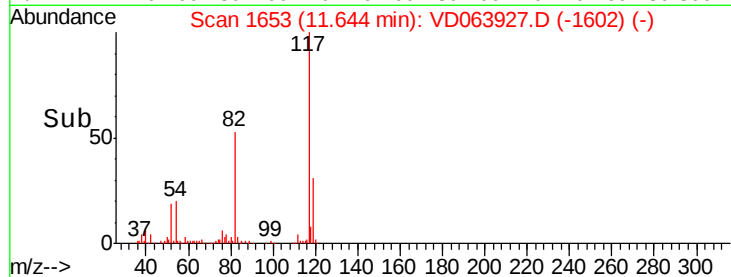
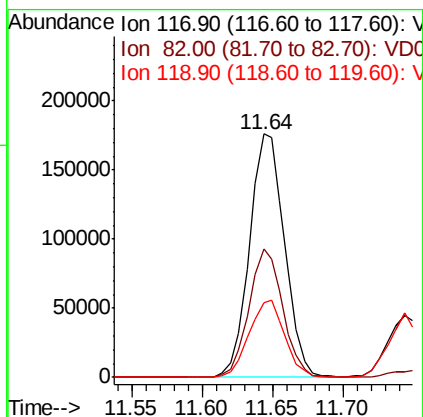
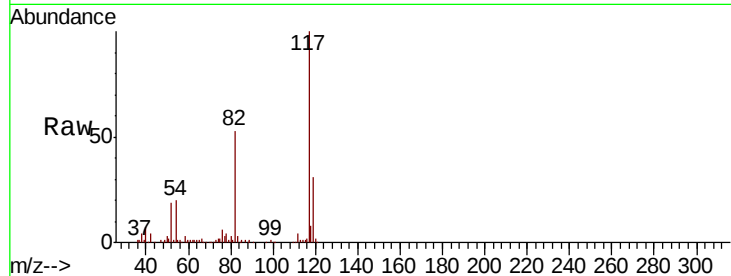




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063927.D
Acq: 11 Oct 2019 10:17

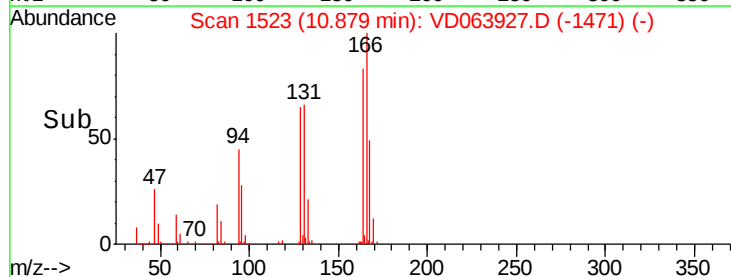
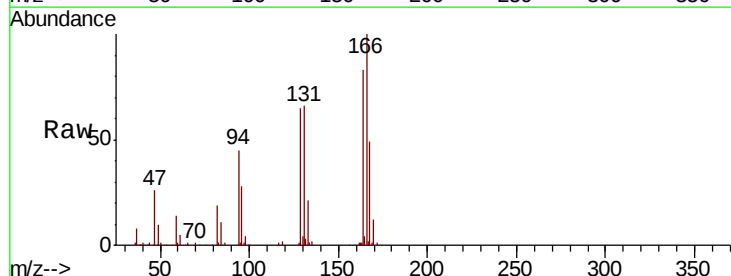
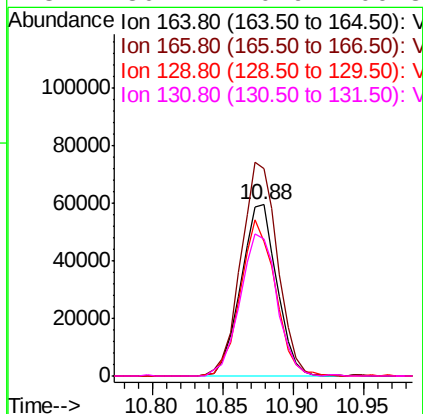
Instrument :
MSVOA_D
ClientSampleId :

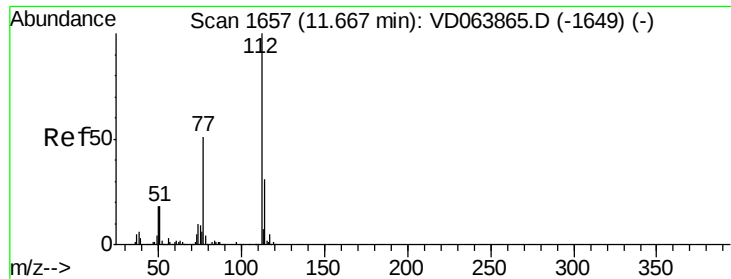
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.8	64.2
119	30.9	24.4	36.6



#64
Tetrachloroethene
Concen: 50.639 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD063927.D
Acq: 11 Oct 2019 10:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.1	103.8	155.6
129	78.9	68.9	103.3
131	80.2	70.9	106.3

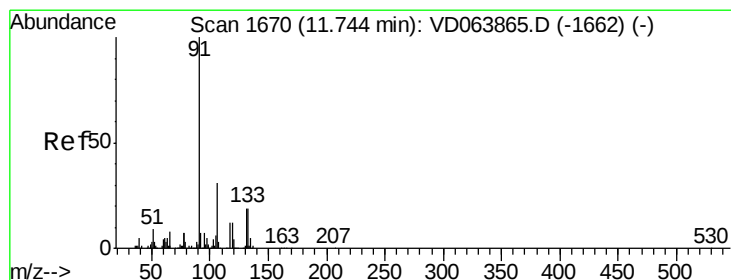
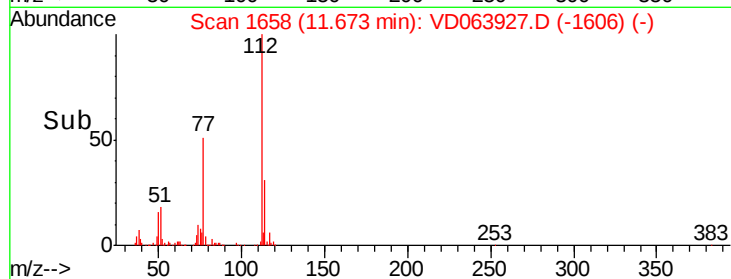
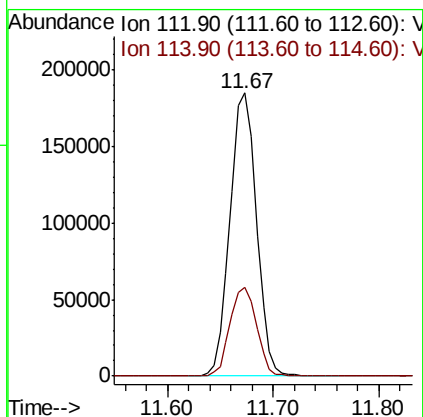
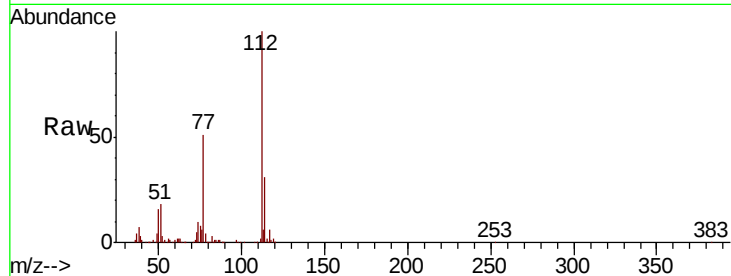




#65
Chlorobenzene
Concen: 51.977 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD063927.D
Acq: 11 Oct 2019 10:17

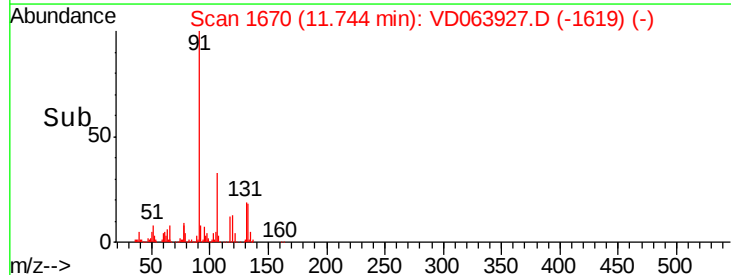
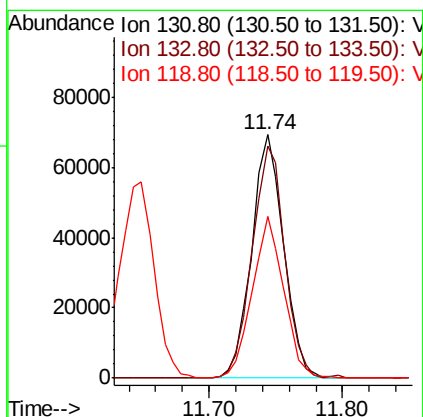
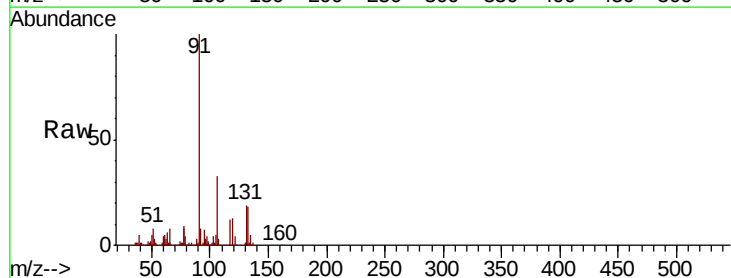
Instrument :
MSVOA_D
ClientSampleId :

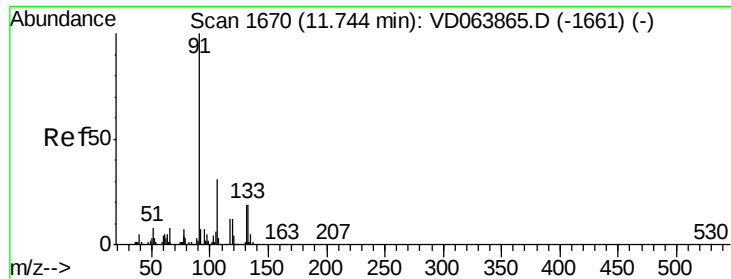
Tot Ion:112 Resp: 320407
Ion Ratio Lower Upper
112 100
114 31.4 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 50.321 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063927.D
Acq: 11 Oct 2019 10:17

Tgt Ion:131 Resp: 114299
Ion Ratio Lower Upper
131 100
133 97.6 48.9 146.7
119 65.5 32.6 97.8





#67

Ethyl Benzene

Concen: 52.309 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD063927.D

Acq: 11 Oct 2019 10:17

Instrument :

MSVOA_D

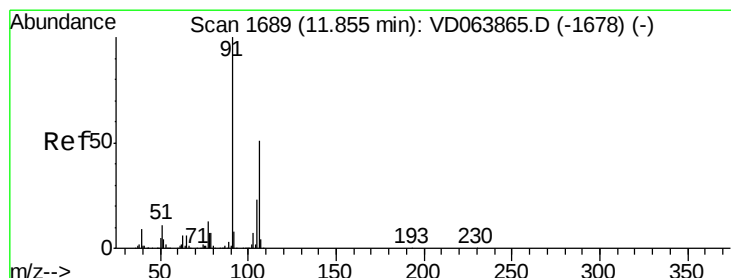
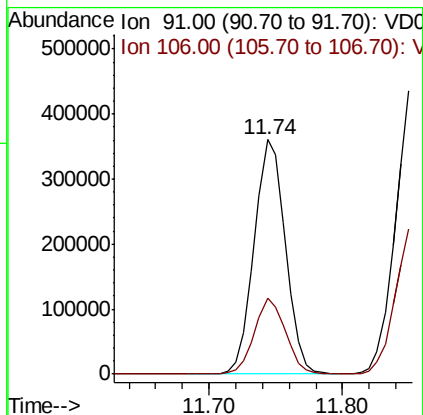
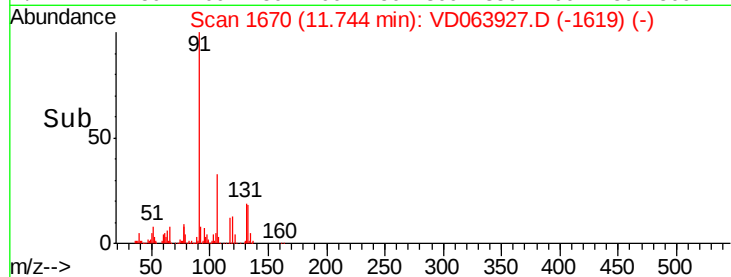
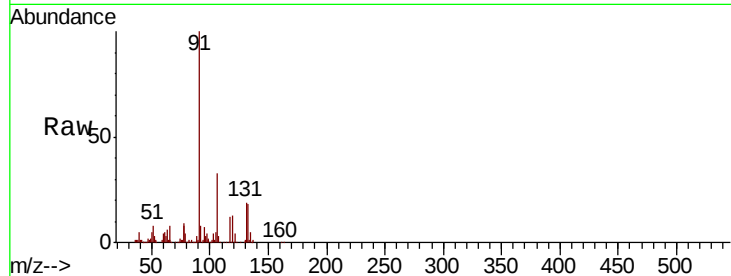
ClientSampleId :

Tot Ion: 91 Resp: 581433

Ion Ratio Lower Upper

91 100

106 32.6 24.6 37.0



#68

m/p-Xylenes

Concen: 108.147 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD063927.D

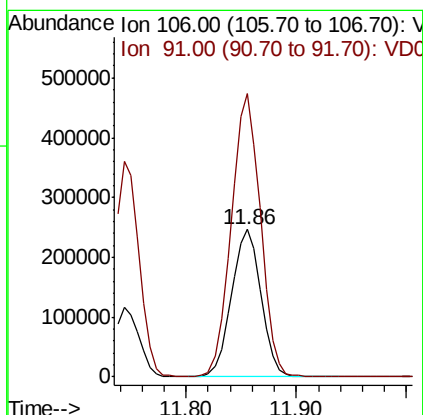
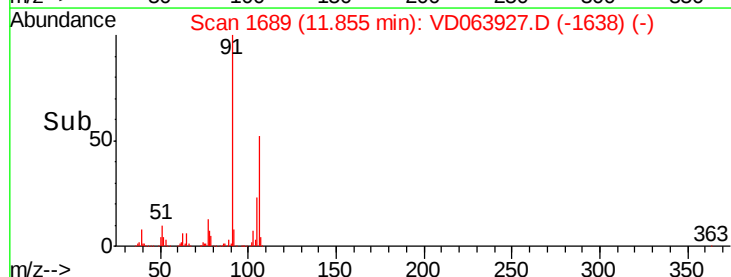
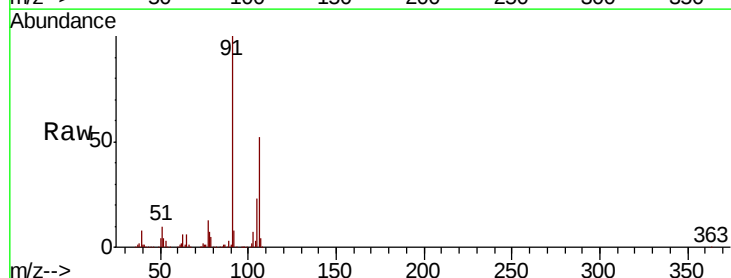
Acq: 11 Oct 2019 10:17

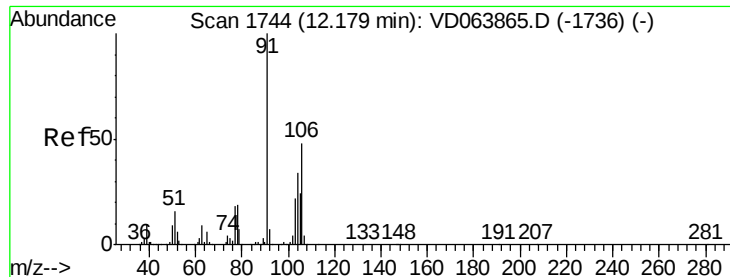
Tgt Ion: 106 Resp: 463986

Ion Ratio Lower Upper

106 100

91 189.1 154.8 232.2

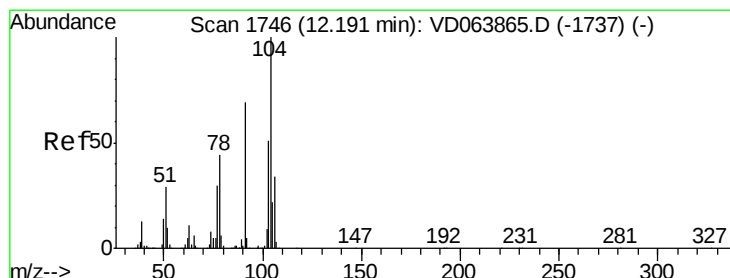
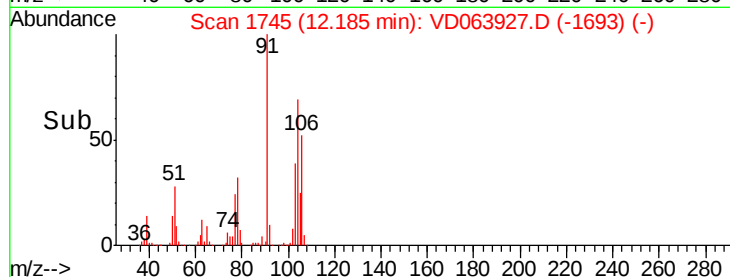
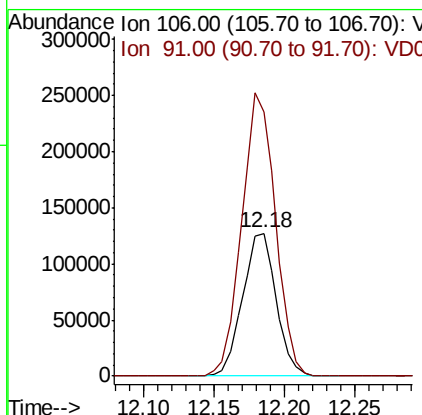
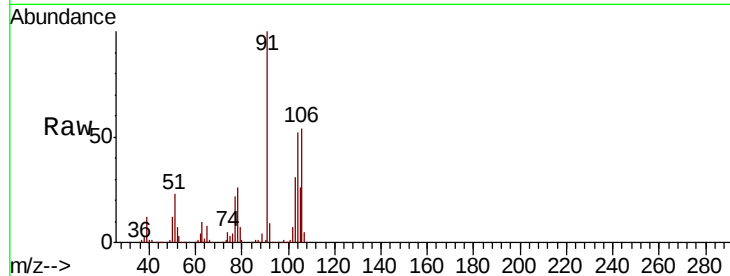




#69
o-Xylene
Concen: 51.635 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD063927.D
Acq: 11 Oct 2019 10:17

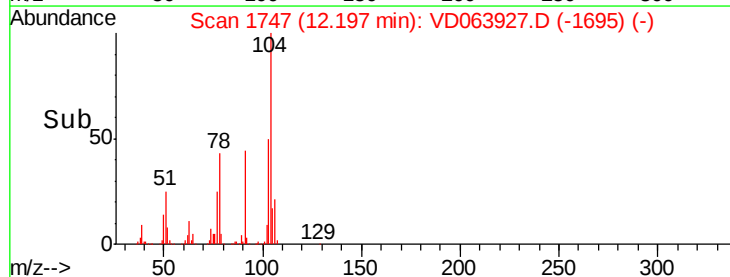
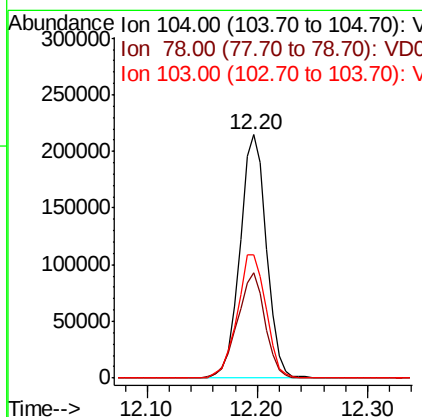
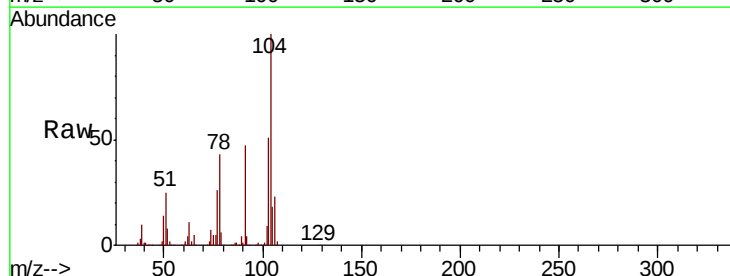
Instrument :
MSVOA_D
ClientSampleID :

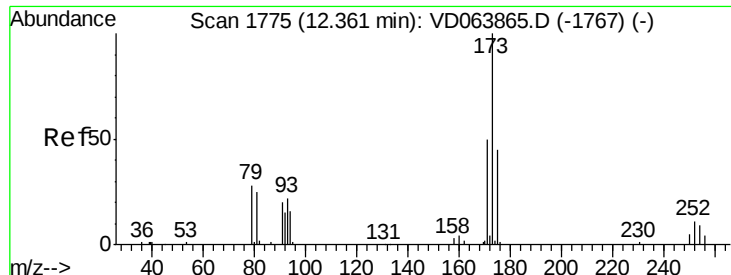
Tot Ion:106 Resp: 212128
Ion Ratio Lower Upper
106 100
91 199.3 103.9 311.7



#70
Styrene
Concen: 51.810 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063927.D
Acq: 11 Oct 2019 10:17

Tgt Ion:104 Resp: 360319
Ion Ratio Lower Upper
104 100
78 45.8 37.0 55.4
103 55.4 44.2 66.4





#71

Bromoform

Concen: 53.194 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD063927.D

Acq: 11 Oct 2019 10:17

Instrument :

MSVOA_D

ClientSampled :

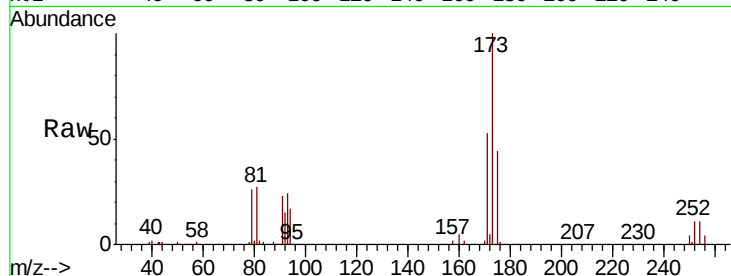
Tot Ion:173 Resp: 64843

Ion Ratio Lower Upper

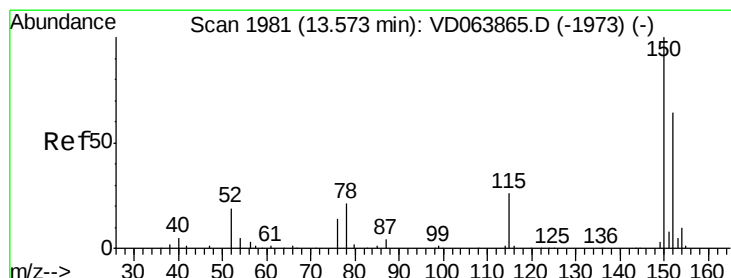
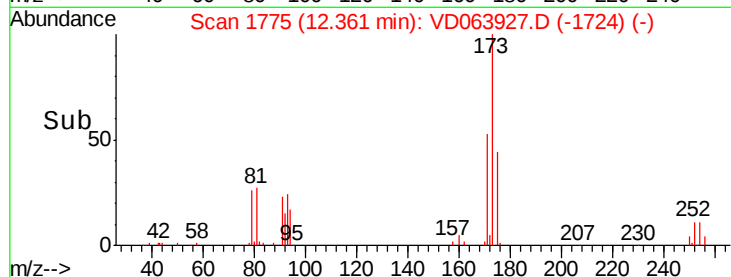
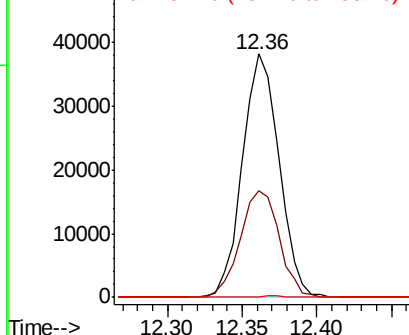
173 100

175 46.5 24.6 74.0

254 0.3 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.01 min

Lab File: VD063927.D

Acq: 11 Oct 2019 10:17

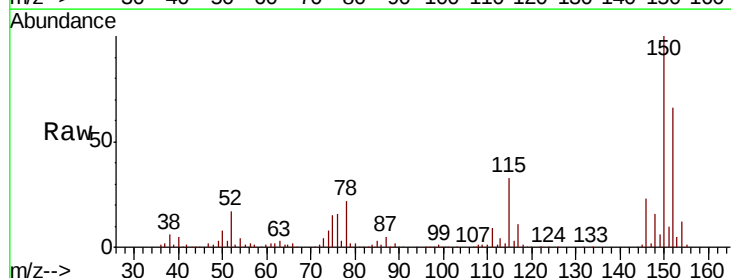
Tgt Ion:152 Resp: 171131

Ion Ratio Lower Upper

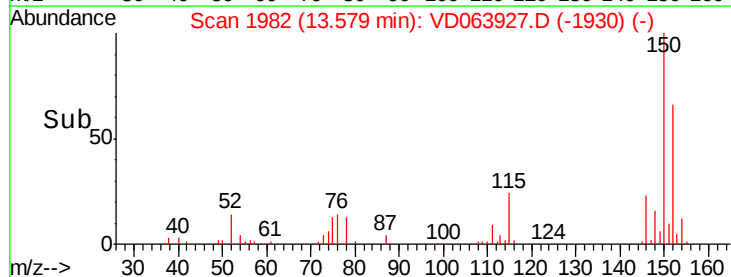
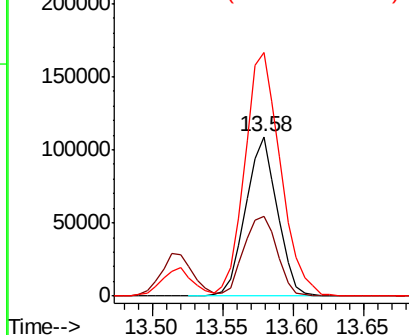
152 100

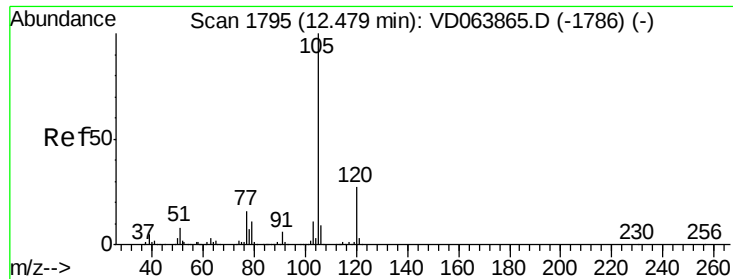
115 53.2 25.9 77.7

150 173.0 0.0 344.2



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





#73

Isopropylbenzene

Concen: 49.943 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD063927.D

Acq: 11 Oct 2019 10:17

Instrument :

MSVOA_D

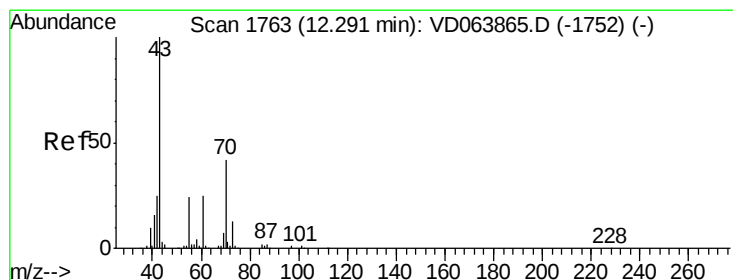
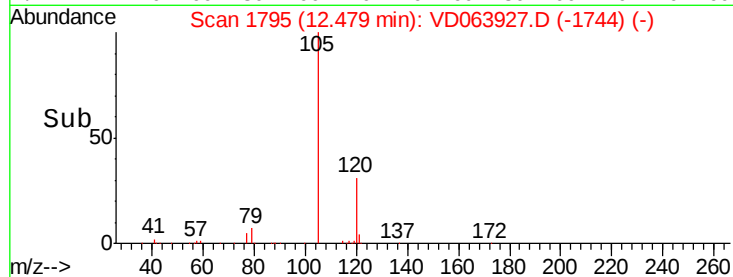
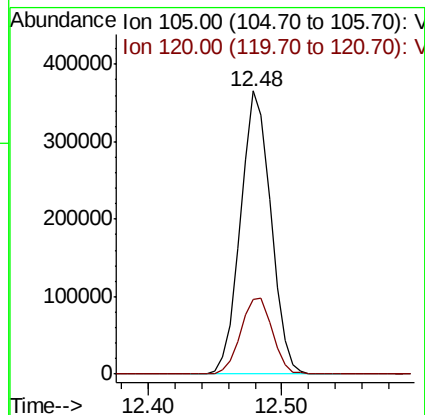
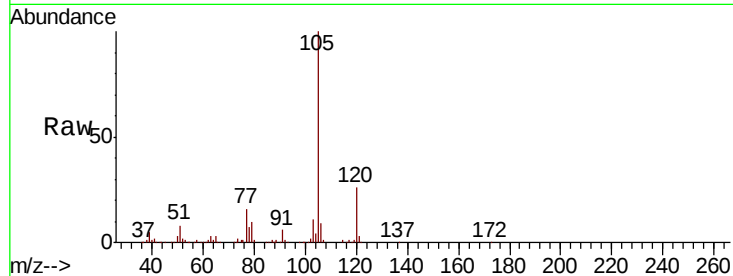
ClientSampleId :

Tot Ion:105 Resp: 574557

Ion Ratio Lower Upper

105 100

120 28.0 13.3 39.8



#74

N-ethyl acetate

Concen: 44.578 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063927.D

Acq: 11 Oct 2019 10:17

Tgt Ion: 43 Resp: 110414

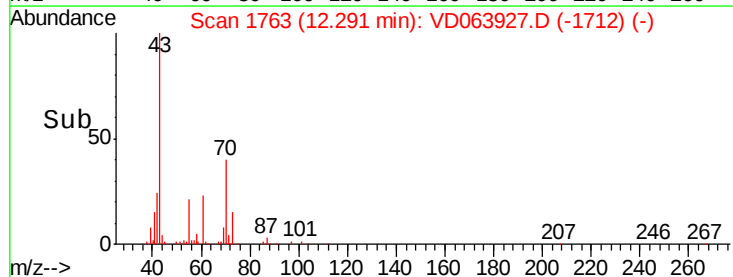
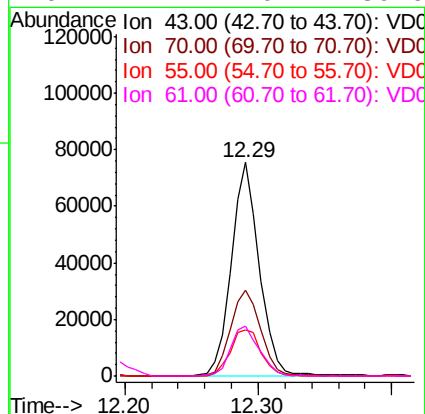
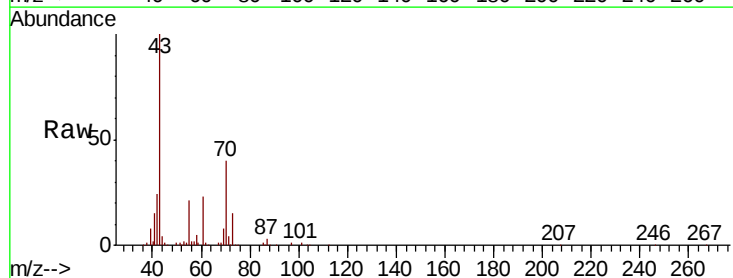
Ion Ratio Lower Upper

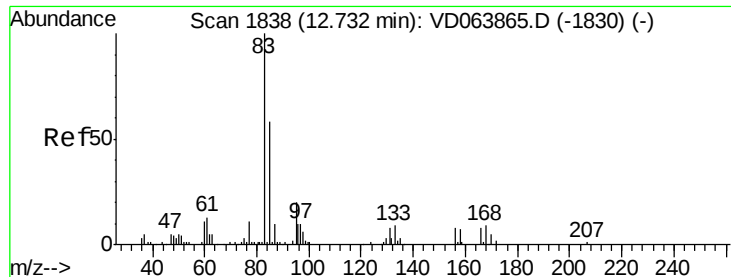
43 100

70 43.3 35.8 53.6

55 23.9 19.4 29.0

61 24.2 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 45.096 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063927.D

Acq: 11 Oct 2019 10:17

Instrument :

MSVOA_D

ClientSampleId :

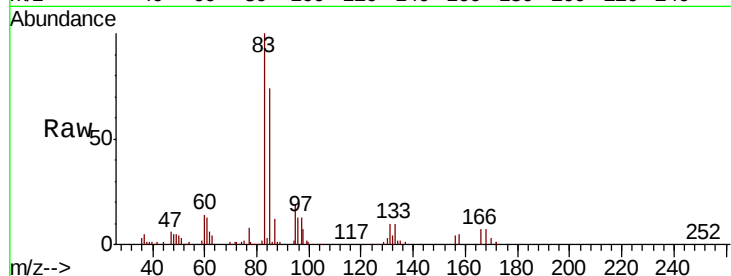
Tot Ion: 83 Resp: 90278

Ion Ratio Lower Upper

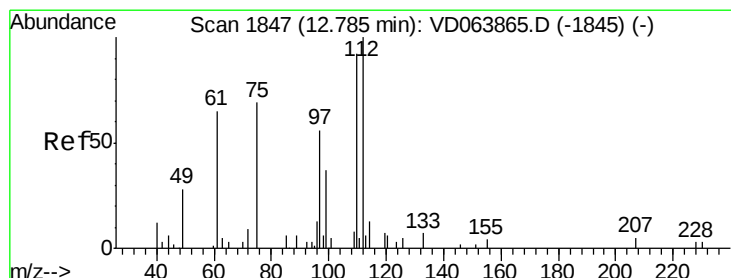
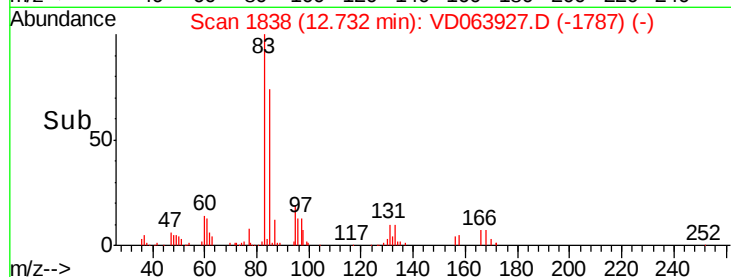
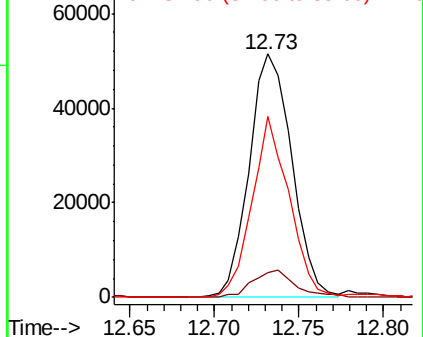
83 100

131 11.2 5.6 16.8

85 64.7 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 100.925 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD063927.D

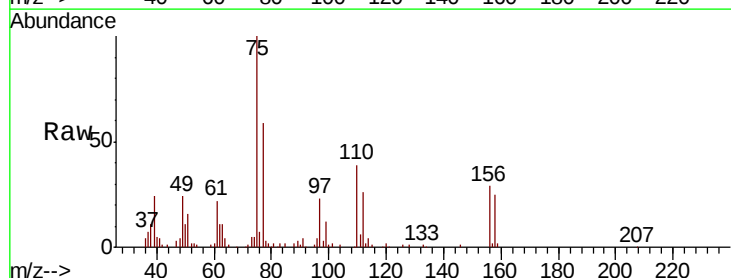
Acq: 11 Oct 2019 10:17

Tgt Ion: 75 Resp: 115679

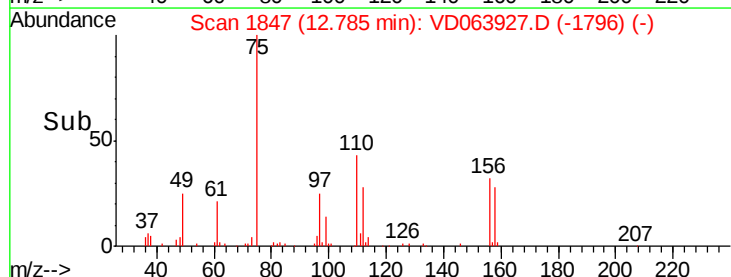
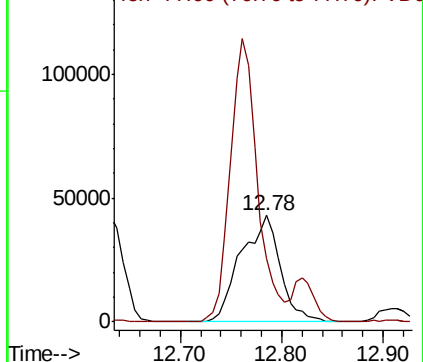
Ion Ratio Lower Upper

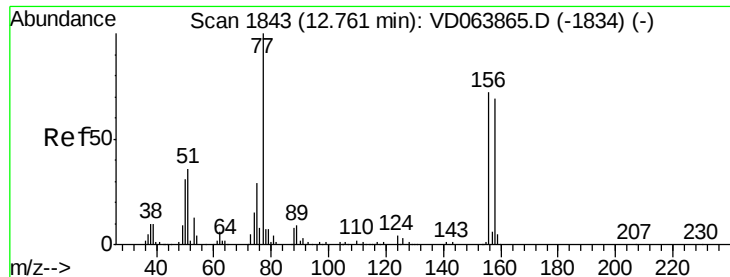
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 49.358 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD063927.D

Acq: 11 Oct 2019 10:17

Instrument :

MSVOA_D

ClientSampleId :

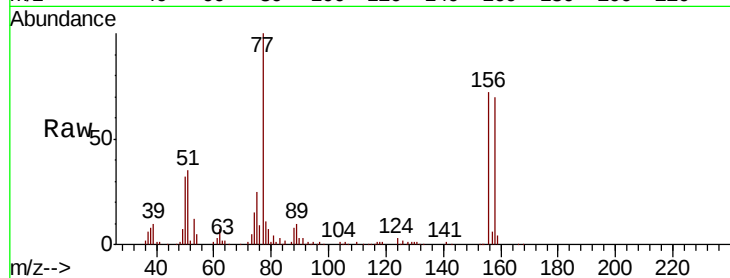
Tot Ion:156 Resp: 141471

Ion Ratio Lower Upper

156 100

77 150.9 80.3 241.0

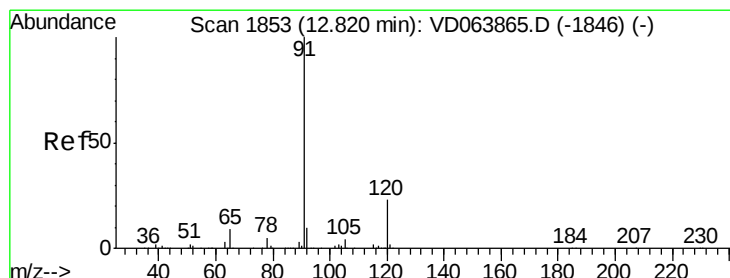
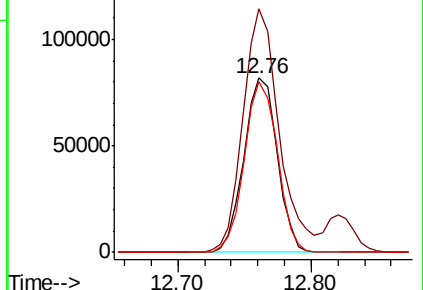
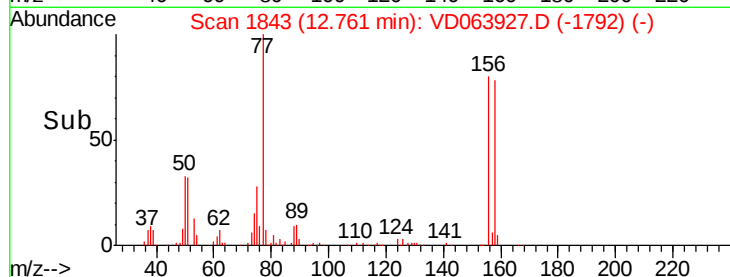
158 97.0 47.4 142.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.951 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD063927.D

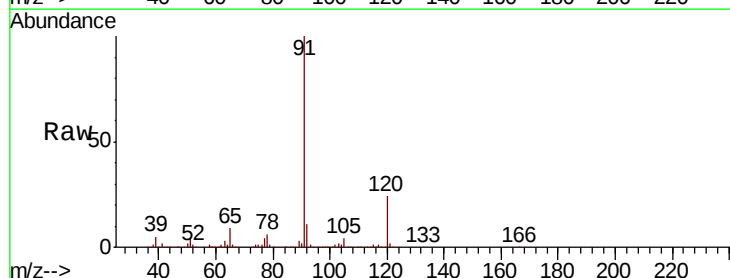
Acq: 11 Oct 2019 10:17

Tgt Ion: 91 Resp: 688024

Ion Ratio Lower Upper

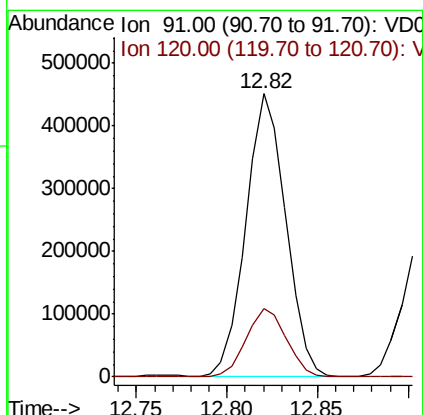
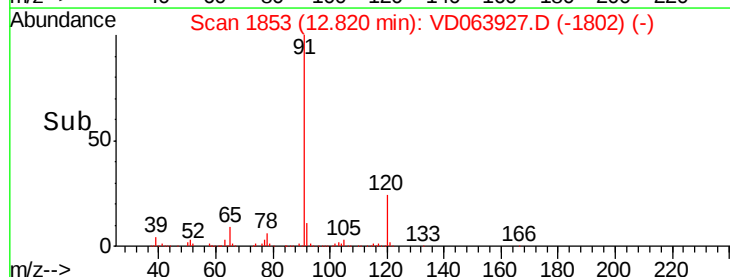
91 100

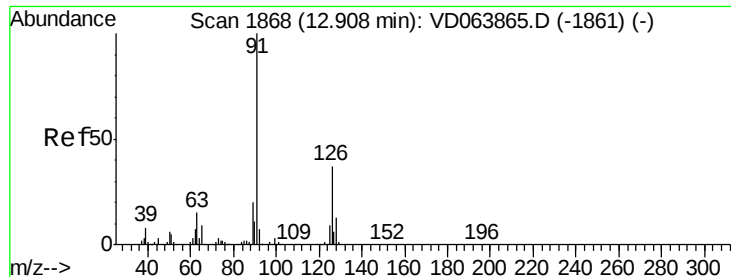
120 24.5 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

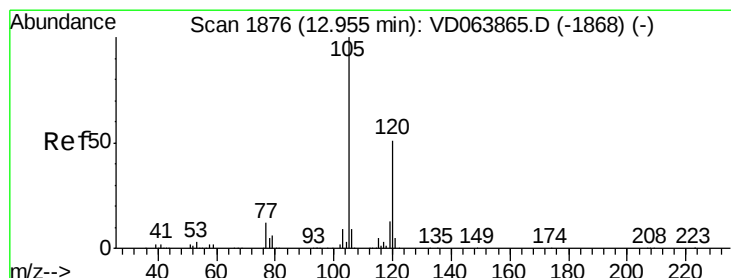
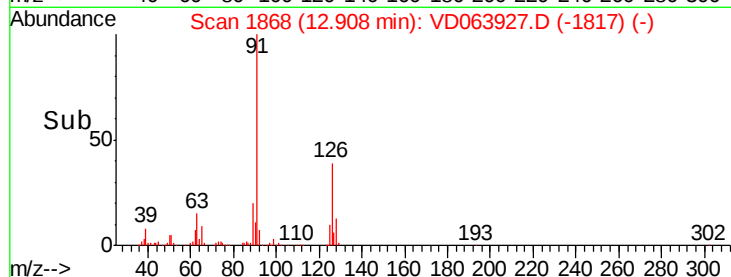
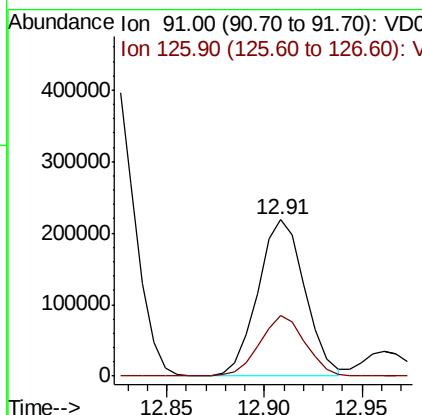
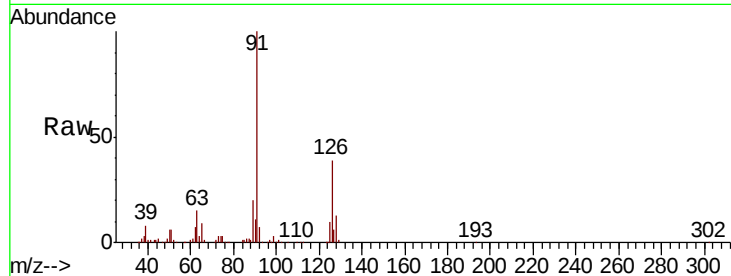




#79
2-Chlorotoluene
Concen: 48.795 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VD063927.D
Acq: 11 Oct 2019 10:17

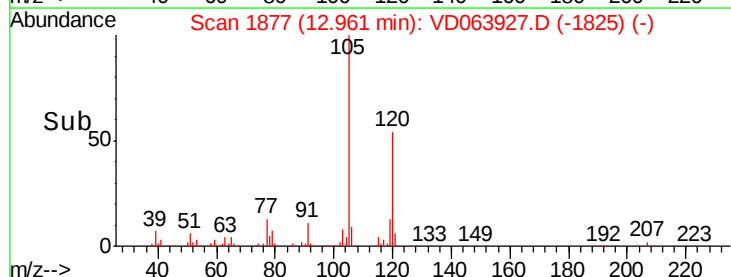
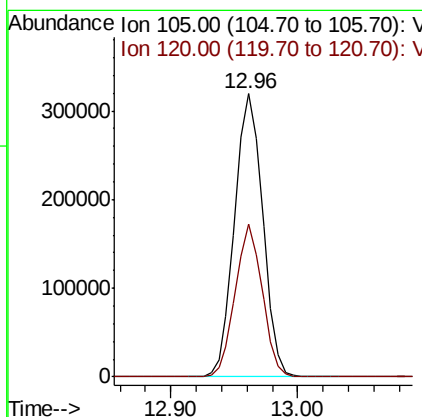
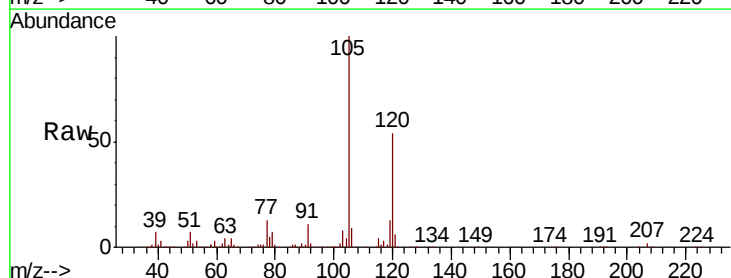
Instrument :
MSVOA_D
ClientSampled :

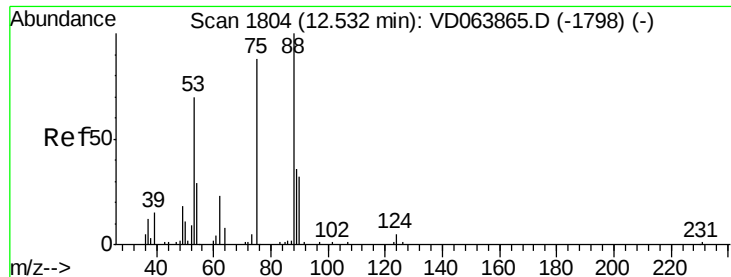
Tot Ion: 91 Resp: 363318
Ion Ratio Lower Upper
91 100
126 37.8 18.4 55.2



#80
1,3,5-Trimethylbenzene
Concen: 51.189 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VD063927.D
Acq: 11 Oct 2019 10:17

Tgt Ion: 105 Resp: 491300
Ion Ratio Lower Upper
105 100
120 51.7 25.9 77.8





#81

trans-1,4-Dichloro-2-butene

Concen: 46.186 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD063927.D

Acq: 11 Oct 2019 10:17

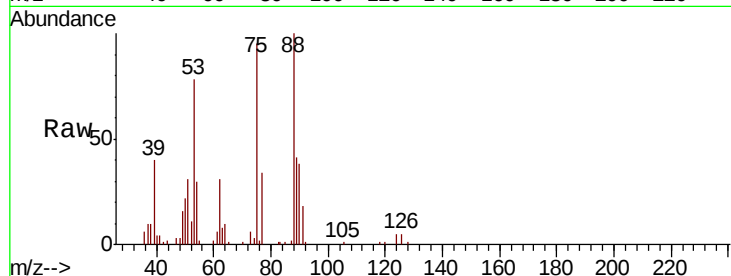
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 29915

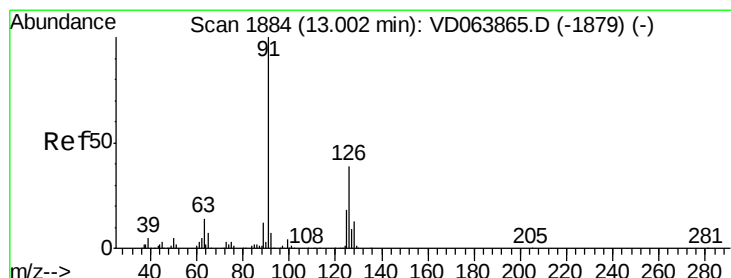
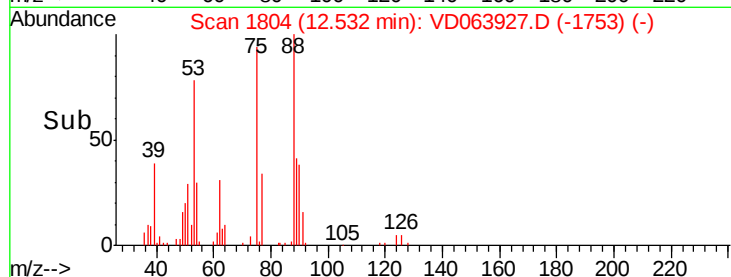
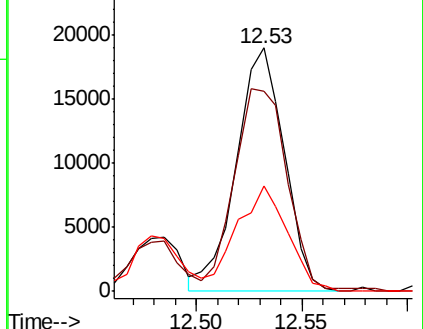
Ion	Ratio	Lower	Upper
75	100		
53	89.4	75.0	112.6
89	46.0	38.2	57.4



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 48.045 ug/l

RT: 13.01 min Scan# 1885

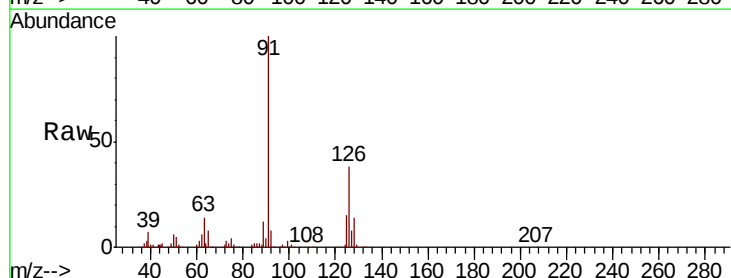
Delta R.T. 0.01 min

Lab File: VD063927.D

Acq: 11 Oct 2019 10:17

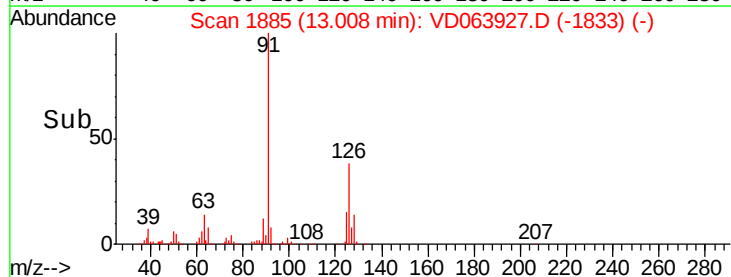
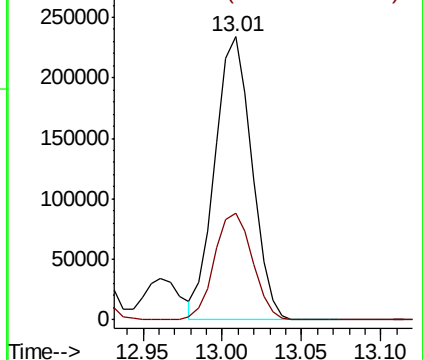
Tgt Ion: 91 Resp: 379493

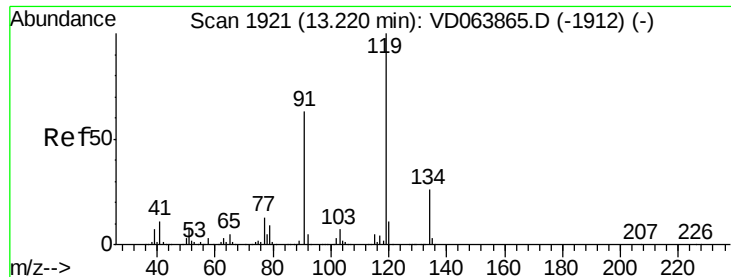
Ion	Ratio	Lower	Upper
91	100		
126	39.0	18.6	55.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

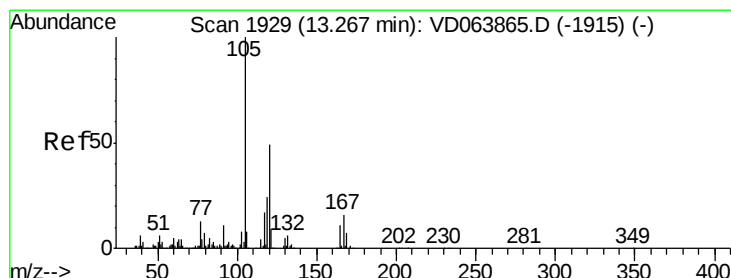
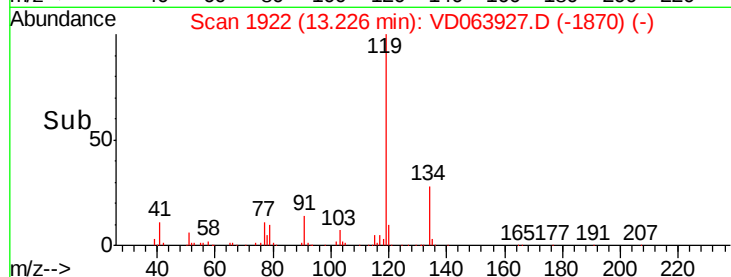
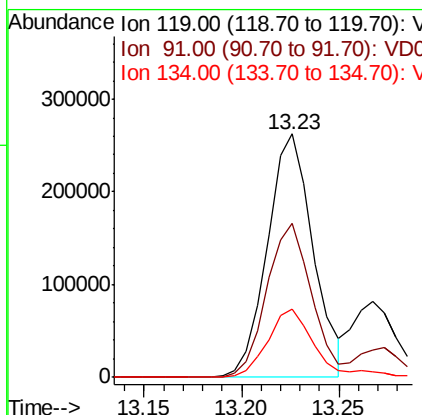
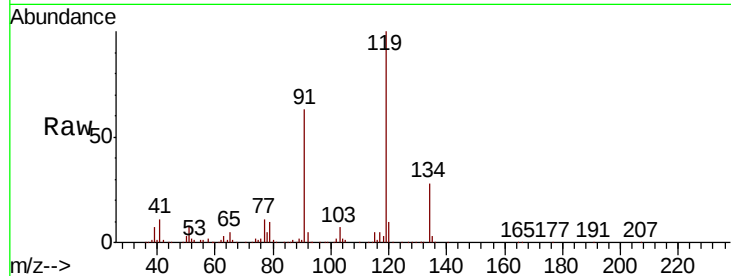




#83
tert-Butylbenzene
Concen: 49.892 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.01 min
Lab File: VD063927.D
Acq: 11 Oct 2019 10:17

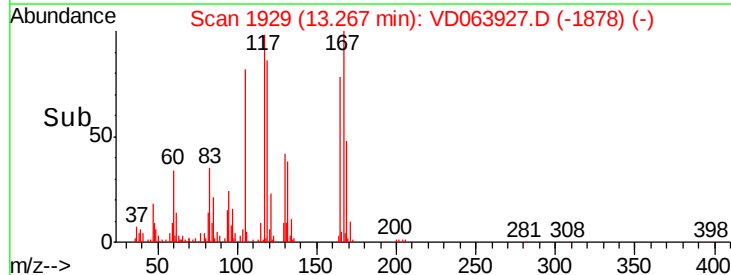
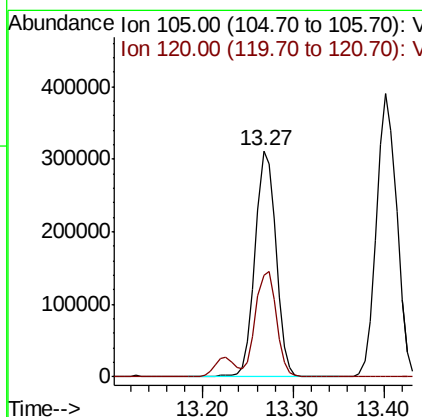
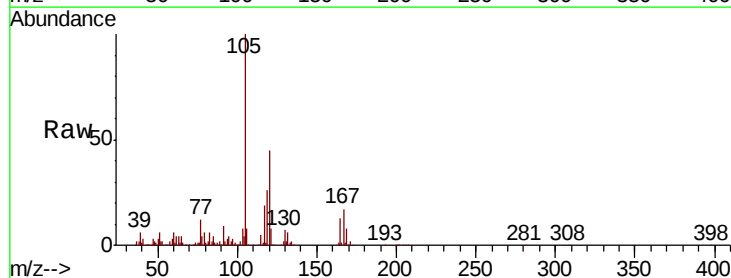
Instrument :
MSVOA_D
ClientSampleId :

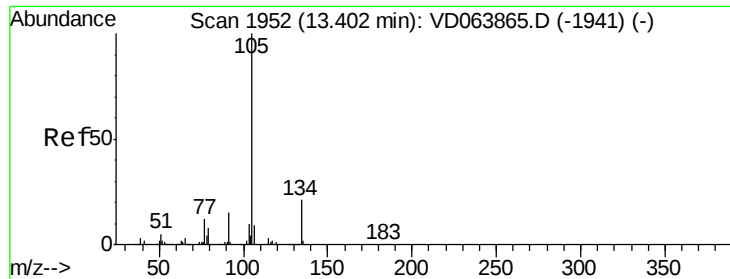
Tot Ion:119 Resp: 426163
Ion Ratio Lower Upper
119 100
91 62.9 30.0 90.0
134 29.1 13.0 38.9



#84
1,2,4-Trimethylbenzene
Concen: 50.620 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.00 min
Lab File: VD063927.D
Acq: 11 Oct 2019 10:17

Tgt Ion:105 Resp: 500860
Ion Ratio Lower Upper
105 100
120 46.6 23.8 71.5

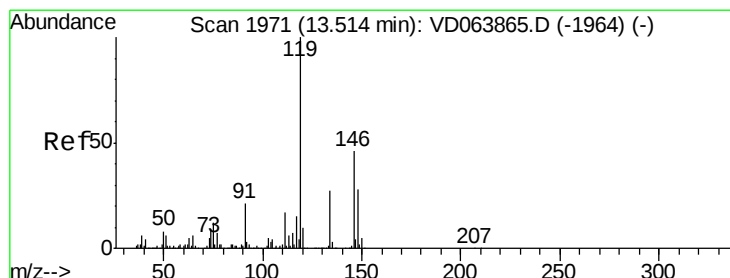
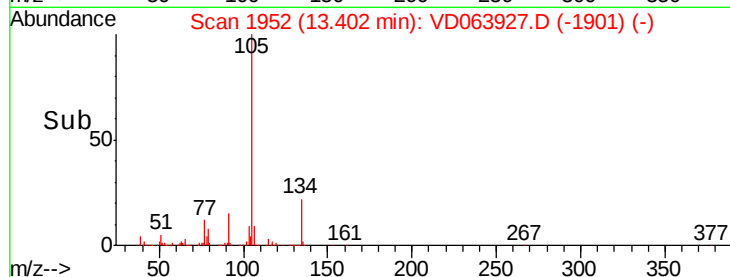
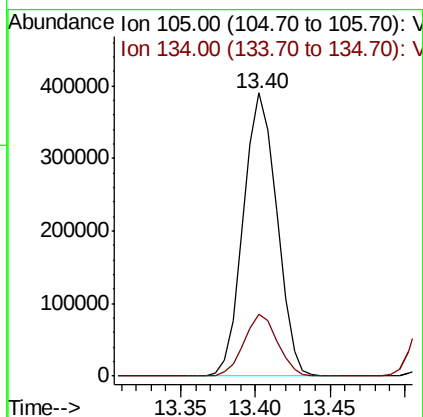
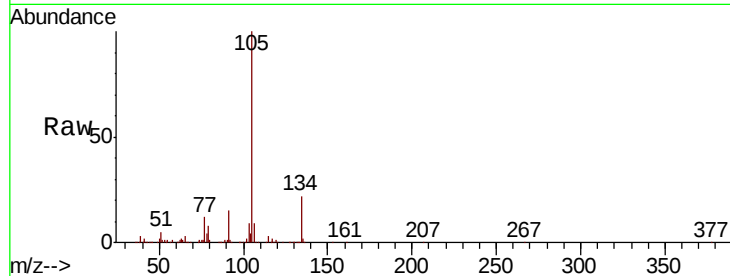




#85
 sec-Butylbenzene
 Concen: 52.687 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VD063927.D
 Acq: 11 Oct 2019 10:17

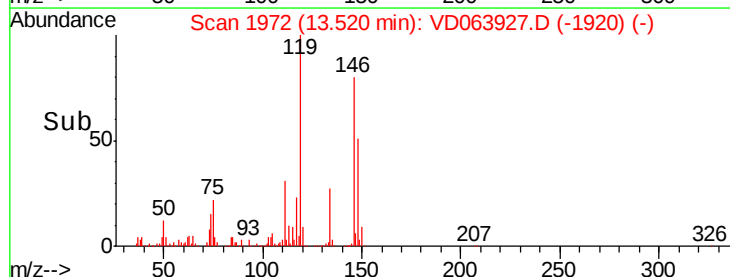
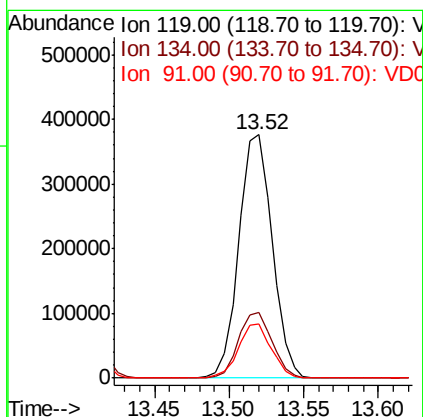
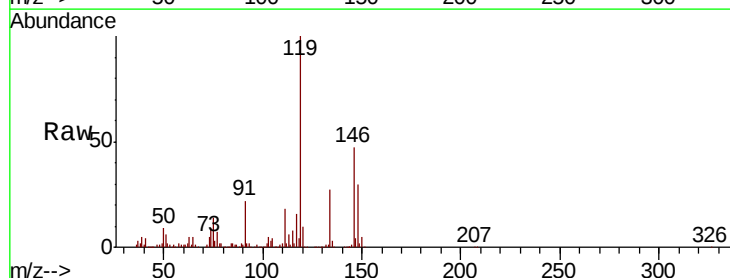
Instrument :
 MSVOA_D
 ClientSampleId :

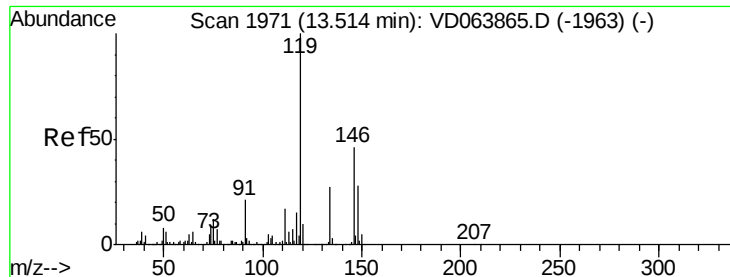
Tot Ion:105 Resp: 607760
 Ion Ratio Lower Upper
 105 100
 134 21.6 10.6 31.8



#86
 p-Isopropyltoluene
 Concen: 53.574 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD063927.D
 Acq: 11 Oct 2019 10:17

Tgt Ion:119 Resp: 584794
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.9 41.6
 91 22.0 11.2 33.5

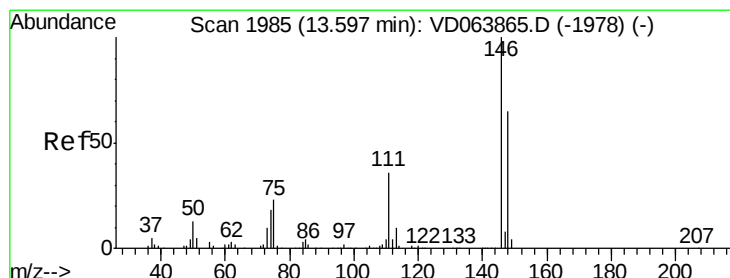
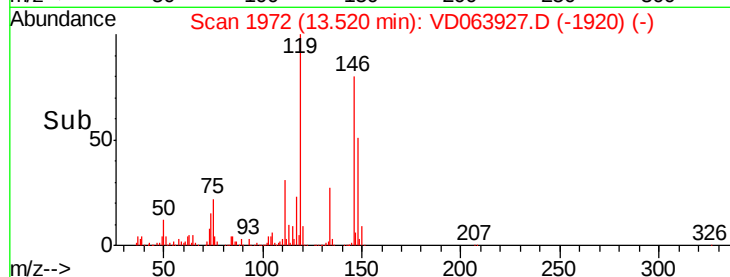
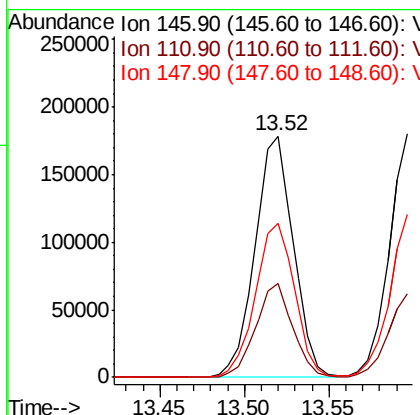
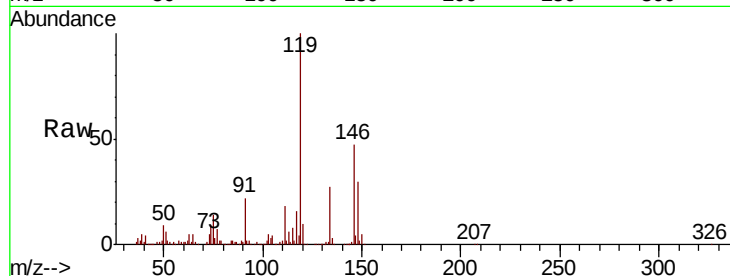




#87
 1,3-Dichlorobenzene
 Concen: 49.865 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD063927.D
 Acq: 11 Oct 2019 10:17

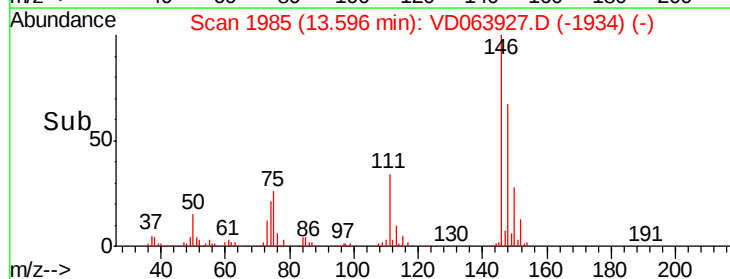
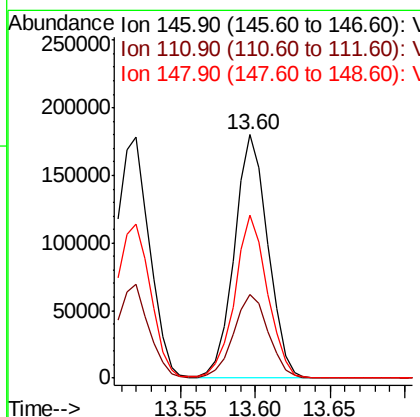
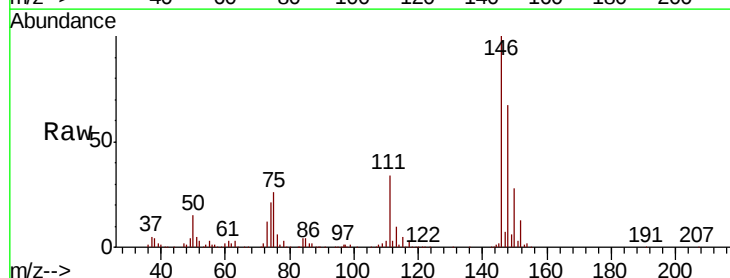
Instrument :
 MSVOA_D
 ClientSampleId :

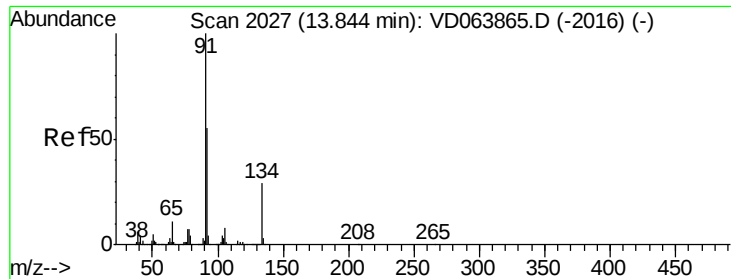
Tot Ion:146 Resp: 282402
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.3 54.9
 148 65.0 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 50.378 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD063927.D
 Acq: 11 Oct 2019 10:17

Tgt Ion:146 Resp: 281467
 Ion Ratio Lower Upper
 146 100
 111 35.9 18.6 56.0
 148 65.2 32.6 98.0

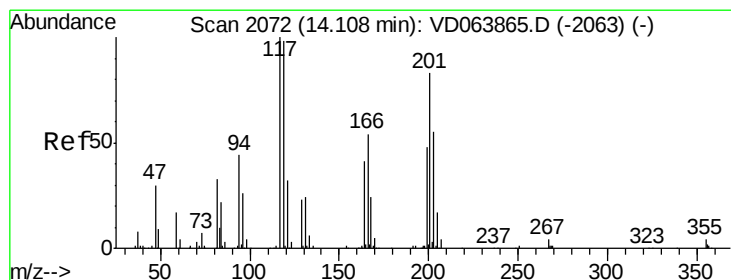
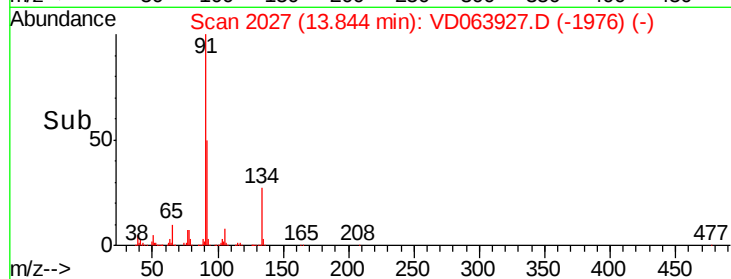
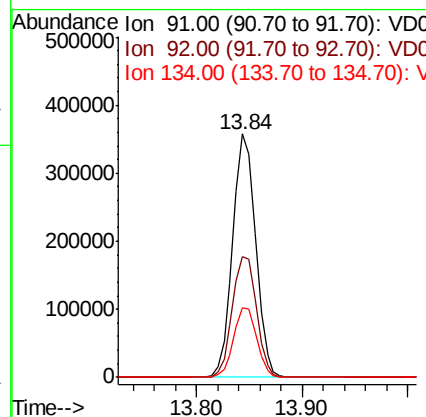
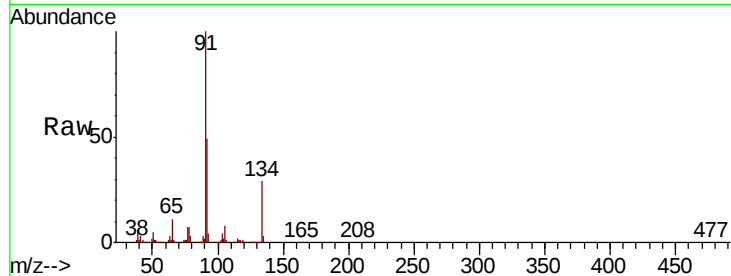




#89
n-Butylbenzene
Concen: 52.710 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063927.D
Acq: 11 Oct 2019 10:17

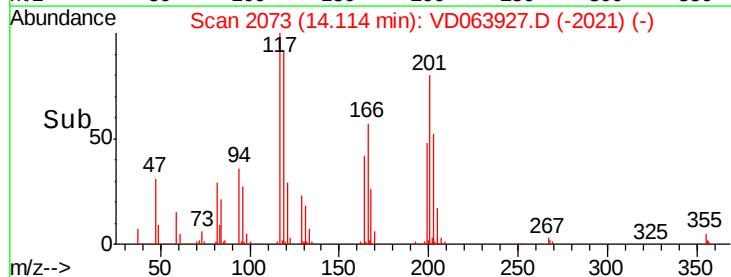
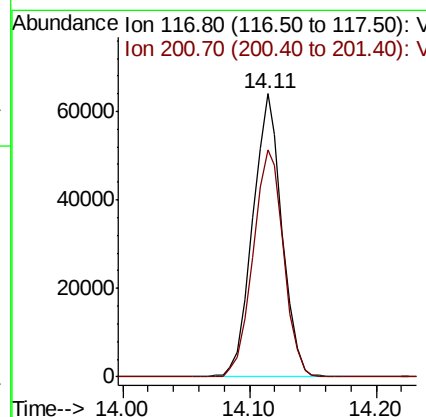
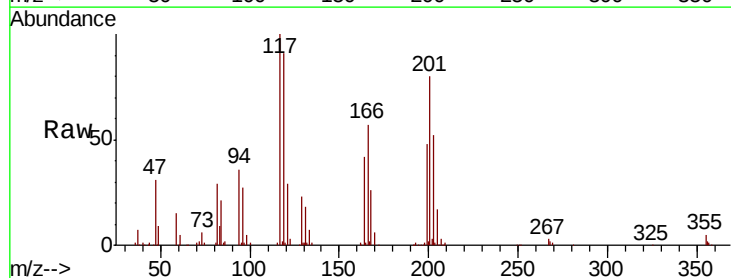
Instrument :
MSVOA_D
ClientSampled :

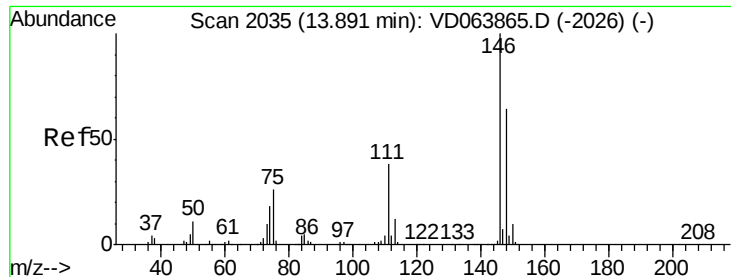
Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.8	80.3
134	28.8	14.4	43.0



#90
Hexachloroethane
Concen: 52.287 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD063927.D
Acq: 11 Oct 2019 10:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.5	40.6	121.7





#91

1,2-Dichlorobenzene

Concen: 51.397 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VD063927.D

Acq: 11 Oct 2019 10:17

Instrument :

MSVOA_D

ClientSampleId :

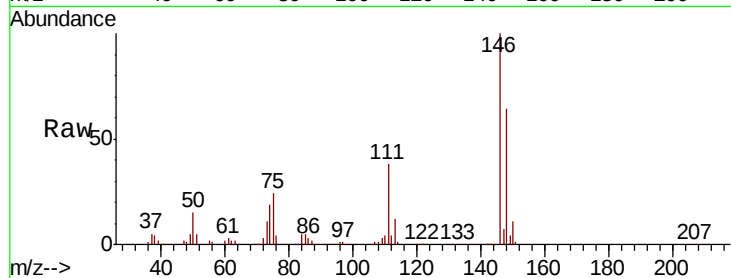
Tot Ion:146 Resp: 250845

Ion Ratio Lower Upper

146 100

111 37.2 18.6 55.6

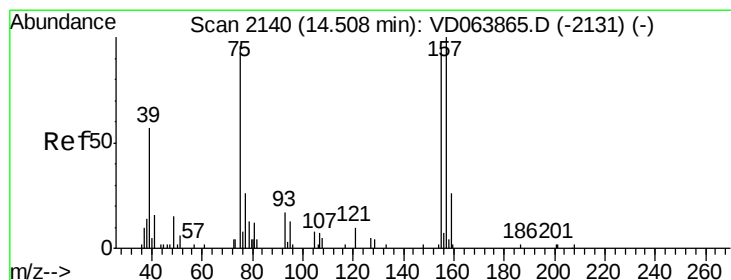
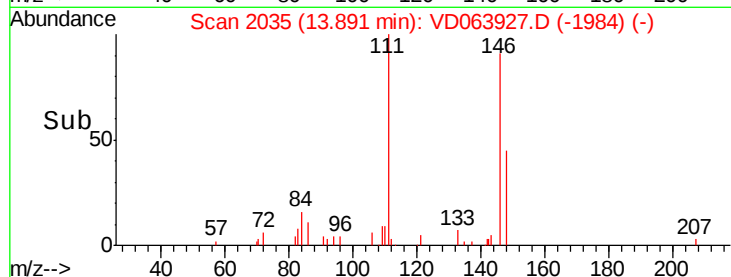
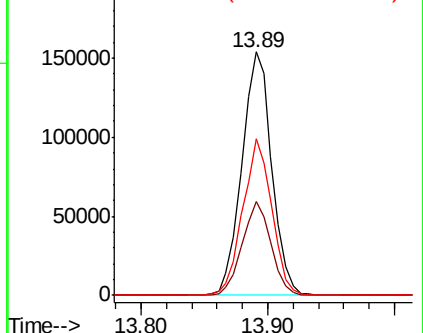
148 62.6 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): 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: 46.988 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. 0.00 min

Lab File: VD063927.D

Acq: 11 Oct 2019 10:17

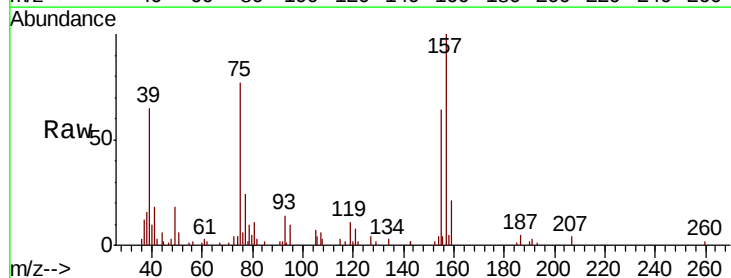
Tgt Ion: 75 Resp: 14661

Ion Ratio Lower Upper

75 100

155 94.6 43.9 131.6

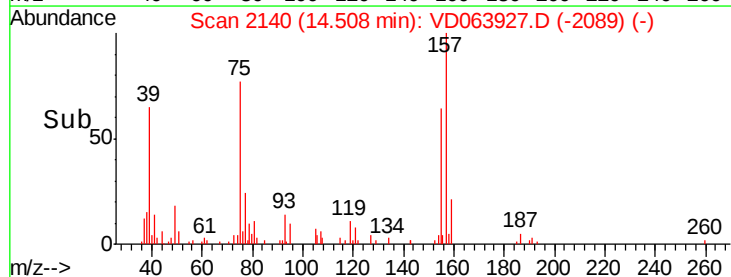
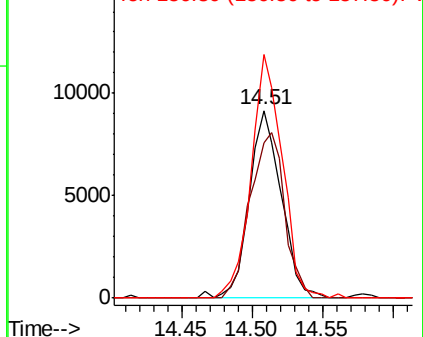
157 126.4 56.0 167.9

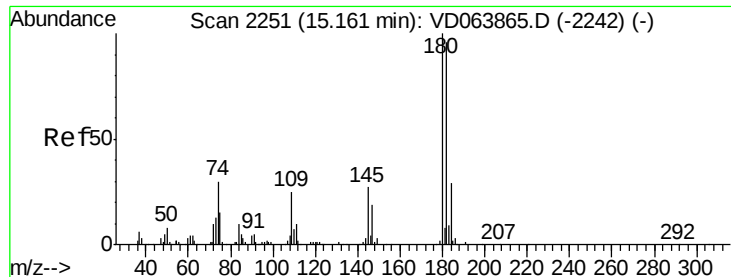


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

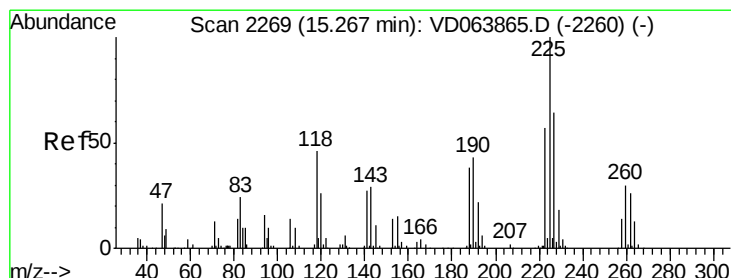
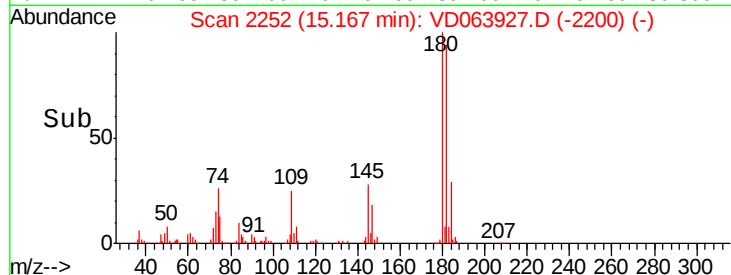
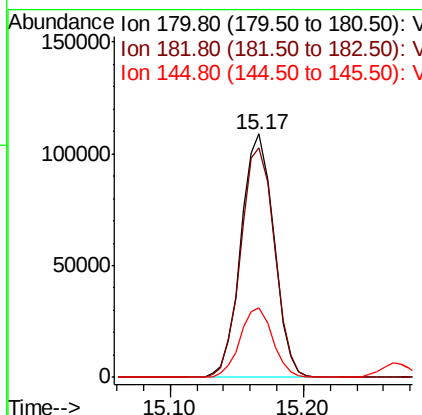
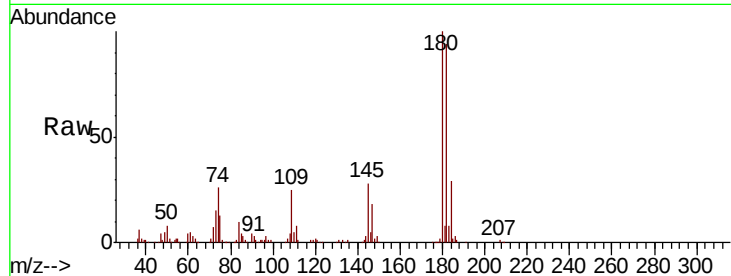




#93
 1,2,4-Trichlorobenzene
 Concen: 49.166 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD063927.D
 Acq: 11 Oct 2019 10:17

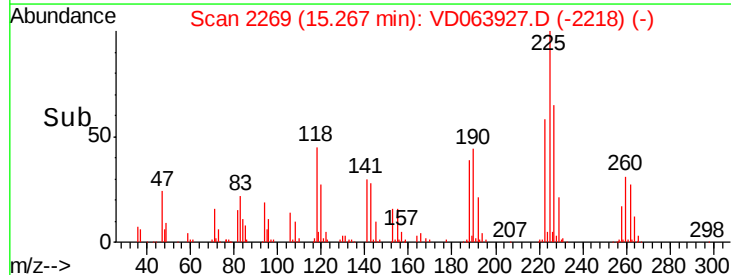
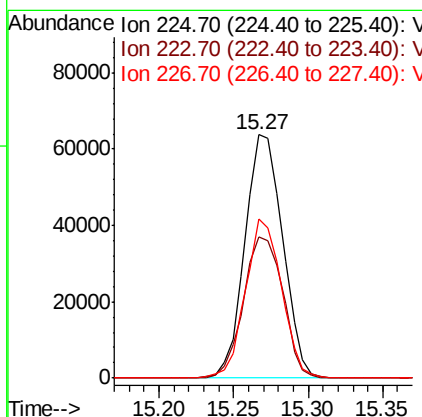
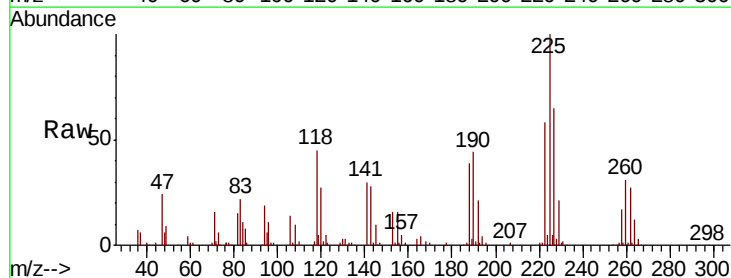
Instrument :
 MSVOA_D
 ClientSampleId :

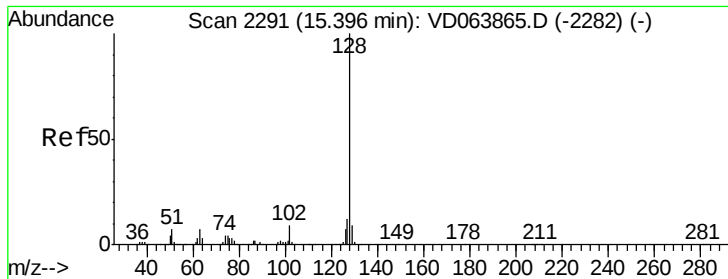
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	47.4	142.3
145	28.3	13.9	41.7



#94
 Hexachlorobutadiene
 Concen: 53.772 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VD063927.D
 Acq: 11 Oct 2019 10:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.5	29.5	88.6
227	62.4	30.8	92.4

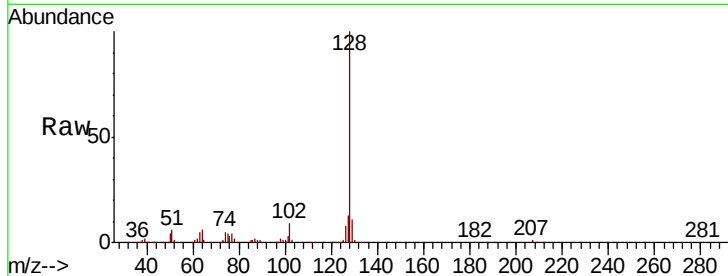




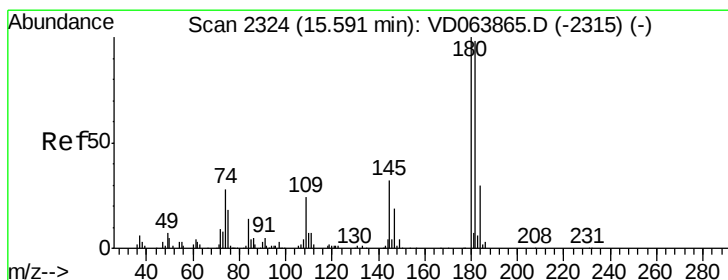
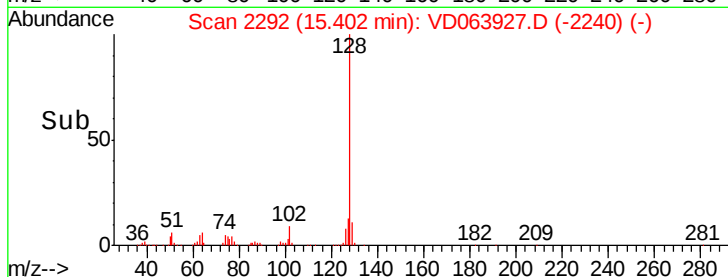
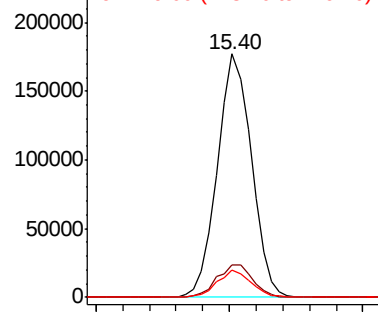
#95
Naphthalene
Concen: 49.361 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.01 min
Lab File: VD063927.D
Acq: 11 Oct 2019 10:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 312429
Ion Ratio Lower Upper
128 100
127 14.0 10.6 16.0
129 11.0 8.6 13.0

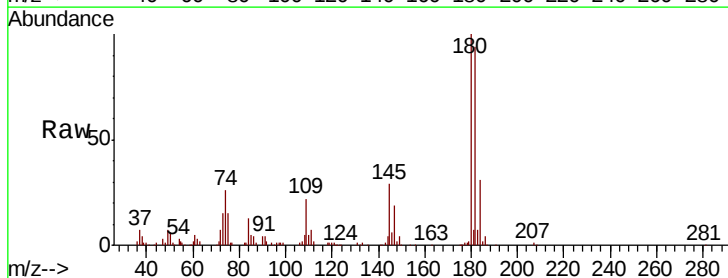


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 49.440 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.01 min
Lab File: VD063927.D
Acq: 11 Oct 2019 10:17

Tgt Ion:180 Resp: 160637
Ion Ratio Lower Upper
180 100
182 93.7 47.0 141.0
145 29.1 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

