

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD100219\
 Data File : VD063867.D
 Acq On : 02 Oct 2019 18:40
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00g/5.00mL/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Quant Time: Oct 03 03:32:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 03 03:24:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	223358	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	352239	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	362353	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	190963	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	327374	154.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	309.02%	
35) Dibromofluoromethane	7.91	113	338060	152.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	305.22%	
50) Toluene-d8	10.34	98	1367139	162.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	325.90%	
62) 4-Bromofluorobenzene	12.63	95	473135	156.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	313.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	292106	187.366	ug/l	90
3) Chloromethane	2.21	50	600798	127.463	ug/l	99
4) Vinyl Chloride	2.34	62	691288	143.349	ug/l	99
5) Bromomethane	2.74	94	480504	168.534	ug/l	95
6) Chloroethane	2.91	64	461890	139.473	ug/l	91
7) Trichlorofluoromethane	3.26	101	906532	140.660	ug/l	99
8) Diethyl Ether	3.70	74	159496	149.560	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.08	101	261090	138.601	ug/l	98
10) Methyl Iodide	4.29	142	429938	187.456	ug/l	99
11) Tert butyl alcohol	5.26	59	108793	654.148	ug/l	97
12) 1,1-Dichloroethene	4.05	96	273127	143.116	ug/l	95
13) Acrolein	3.93	56	133965	670.342	ug/l	94
14) Allyl chloride	4.71	41	418262	137.191	ug/l	97
15) Acrylonitrile	5.43	53	361527	777.496	ug/l	98
16) Acetone	4.17	43	442024	879.778	ug/l	94
17) Carbon Disulfide	4.39	76	1018706	156.585	ug/l	96
18) Methyl Acetate	4.72	43	155680	133.260	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	725728	151.057	ug/l	95
20) Methylene Chloride	4.96	84	365686	127.623	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	345989	154.400	ug/l	95
22) Diisopropyl ether	6.37	45	861421	137.730	ug/l	93
23) Vinyl Acetate	6.31	43	2685530	721.857	ug/l	97
24) 1,1-Dichloroethane	6.26	63	556950	145.856	ug/l	95
25) 2-Butanone	7.23	43	507325	795.287	ug/l #	88
26) 2,2-Dichloropropane	7.21	77	493646	139.767	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	398595	159.335	ug/l	95
28) Bromochloromethane	7.55	49	229989	156.616	ug/l	92
29) Tetrahydrofuran	7.57	42	264732	710.237	ug/l	97
30) Chloroform	7.71	83	613324	148.642	ug/l	95
31) Cyclohexane	7.98	56	454769	121.332	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	546244	146.818	ug/l	99
36) 1,1-Dichloropropene	8.11	75	460602	144.589	ug/l	97
37) Ethyl Acetate	7.30	43	182427	134.162	ug/l	99
38) Carbon Tetrachloride	8.10	117	492468	149.561	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	547662	138.452	ug/l	92
40) Benzene	8.35	78	1367288	154.803	ug/l	98
41) Methacrylonitrile	7.54	41	114988	149.547	ug/l #	80
42) 1,2-Dichloroethane	8.43	62	395136	152.715	ug/l	99
43) Isopropyl Acetate	8.46	43	384560	143.337	ug/l	97
44) Trichloroethene	9.11	130	400893	156.430	ug/l	87
45) 1,2-Dichloropropane	9.39	63	327730	149.982	ug/l	97
46) Dibromomethane	9.48	93	195561	158.283	ug/l	98
47) Bromodichloromethane	9.67	83	507781	160.010	ug/l	98
48) Methyl methacrylate	9.46	41	183127	149.745	ug/l	96
49) 1,4-Dioxane	9.47	88	50818	2903.840	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	1007925	740.746	ug/l	99
52) Toluene	10.40	92	943306	157.158	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	502862	159.752	ug/l	93
54) cis-1,3-Dichloropropene	10.09	75	575772	161.523	ug/l	92
55) 1,1,2-Trichloroethane	10.80	97	276747	159.103	ug/l	97
56) Ethyl methacrylate	10.66	69	352033	158.724	ug/l	96
57) 1,3-Dichloropropane	10.95	76	466172	156.676	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	691772	698.147	ug/l	97
59) 2-Hexanone	10.98	43	777705	788.126	ug/l	98
60) Dibromochloromethane	11.14	129	387544	168.639	ug/l	96
61) 1,2-Dibromoethane	11.25	107	277194	158.830	ug/l	100
64) Tetrachloroethene	10.87	164	378493	156.531	ug/l	97
65) Chlorobenzene	11.67	112	1115973	153.923	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	424941	159.748	ug/l	97
67) Ethyl Benzene	11.74	91	1993180	152.971	ug/l	96
68) m/p-Xylenes	11.86	106	1565056	311.229	ug/l	99
69) o-Xylene	12.18	106	745055	157.412	ug/l	97
70) Styrene	12.20	104	1292769	160.800	ug/l	99
71) Bromoform	12.36	173	240884	163.743	ug/l #	100
73) Isopropylbenzene	12.48	105	1932715	149.631	ug/l	98
74) N-amyl acetate	12.29	43	397632	140.190	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	315361	145.889	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	410312	284.918	ug/l #	100
77) Bromobenzene	12.76	156	508686	162.986	ug/l	93
78) n-propylbenzene	12.82	91	2241844	147.400	ug/l	99
79) 2-Chlorotoluene	12.91	91	1229021	149.984	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	1627149	151.209	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	104907	145.144	ug/l	99
82) 4-Chlorotoluene	13.01	91	1290428	147.093	ug/l	98
83) tert-Butylbenzene	13.22	119	1444810	153.058	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1691058	154.741	ug/l	100
85) sec-Butylbenzene	13.40	105	1902393	145.398	ug/l	99
86) p-Isopropyltoluene	13.51	119	1893014	154.449	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	996750	162.968	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	949304	155.510	ug/l	98
89) n-Butylbenzene	13.84	91	1666334	143.320	ug/l	99
90) Hexachloroethane	14.11	117	351218	154.981	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	836827	158.832	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	51466	137.975	ug/l	82

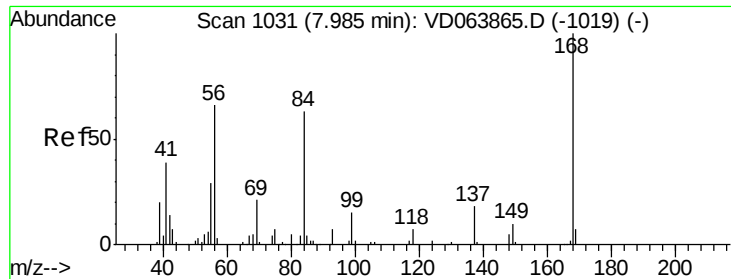
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	668159	167.462	ug/l	99
94) Hexachlorobutadiene	15.27	225	353347	156.495	ug/l	96
95) Naphthalene	15.40	128	1128814	157.041	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	569711	160.948	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Instrument :

MSVOA_D

ClientSampleId :

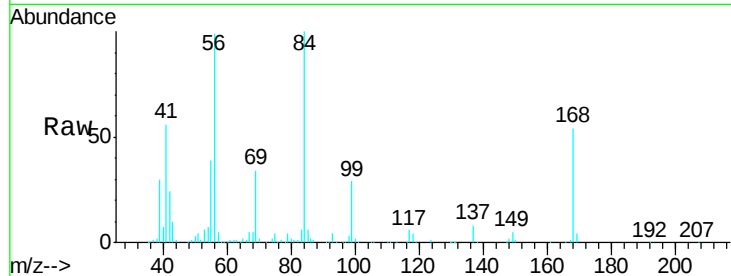
VSTDIC150

Tgt Ion:168 Resp: 223358

Ion Ratio Lower Upper

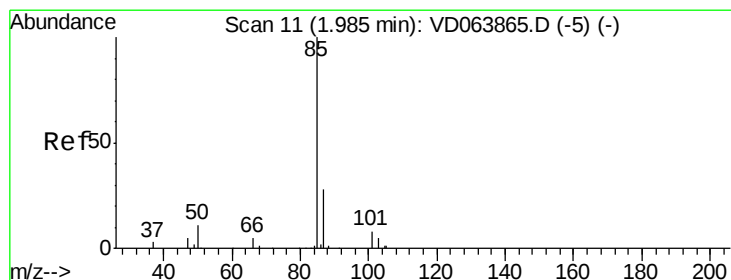
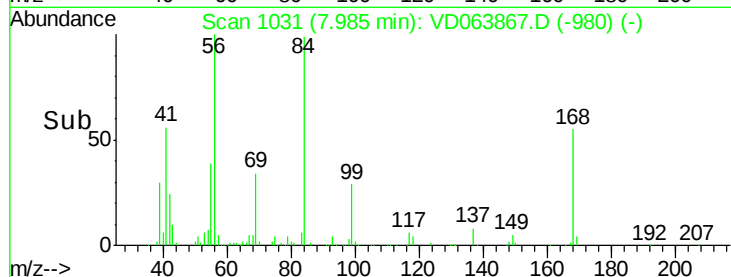
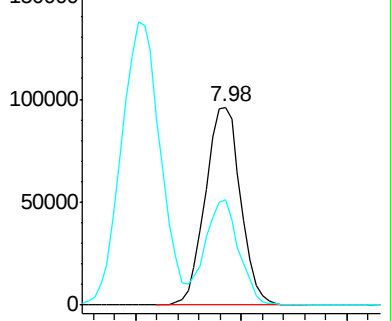
168 100

99 52.8 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: 187.366 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD063867.D

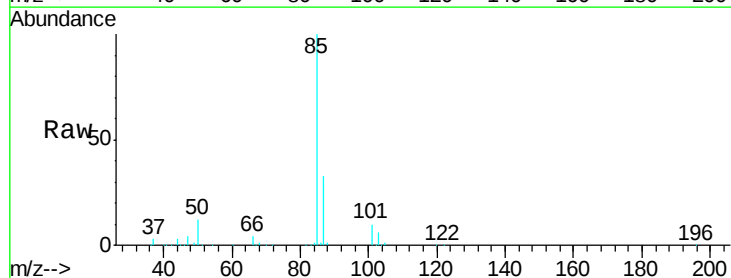
Acq: 02 Oct 2019 18:40

Tgt Ion: 85 Resp: 292106

Ion Ratio Lower Upper

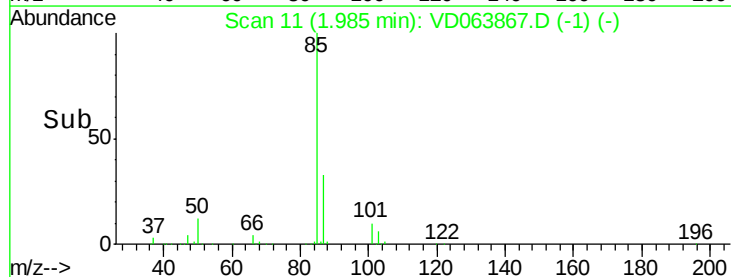
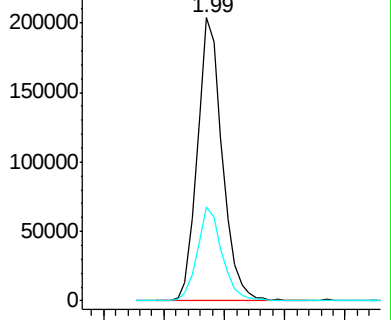
85 100

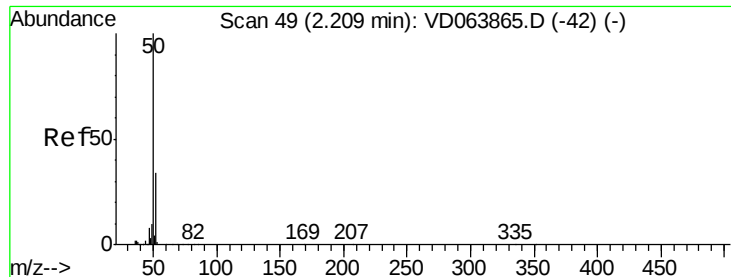
87 33.0 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 127.463 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Instrument :

MSVOA_D

ClientSampleId :

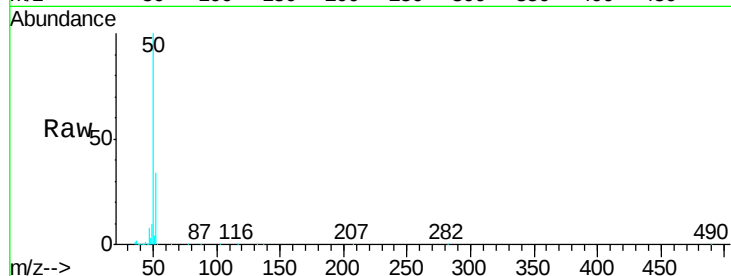
VSTDIC150

Tgt Ion: 50 Resp: 600798

Ion Ratio Lower Upper

50 100

52 33.8 27.5 41.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

500000

400000

300000

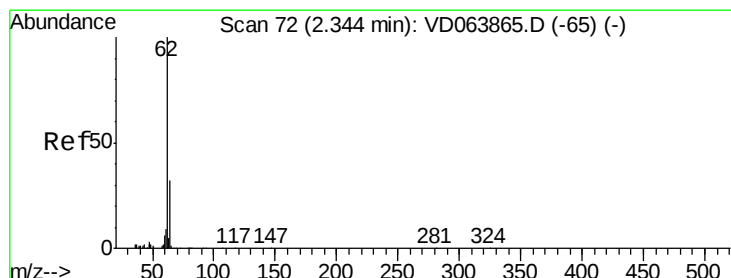
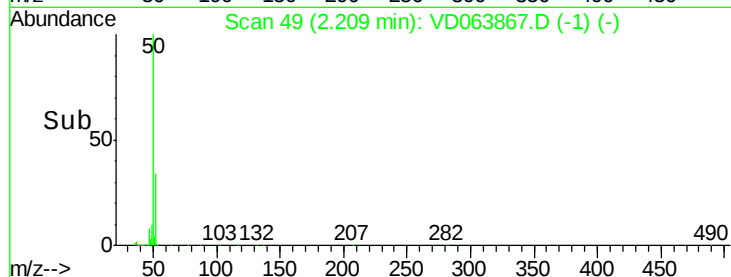
200000

100000

0

Time-->

2.15 2.20 2.25



#4

Vinyl Chloride

Concen: 143.349 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.00 min

Lab File: VD063867.D

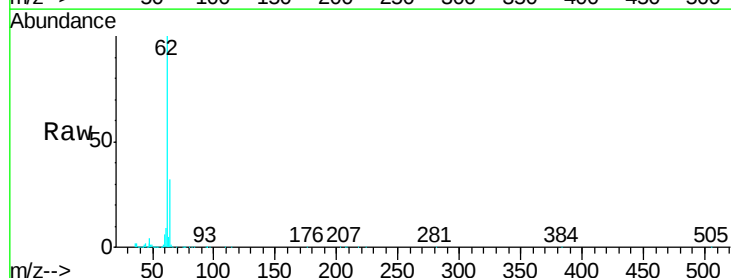
Acq: 02 Oct 2019 18:40

Tgt Ion: 62 Resp: 691288

Ion Ratio Lower Upper

62 100

64 32.2 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.34

500000

400000

300000

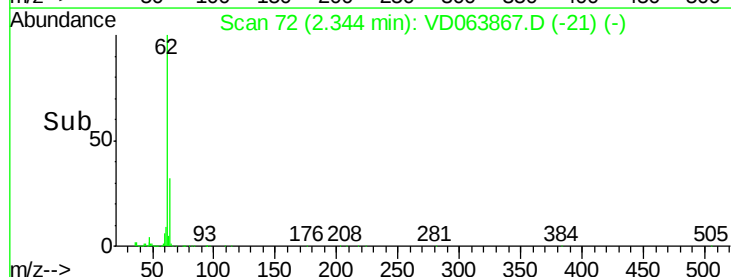
200000

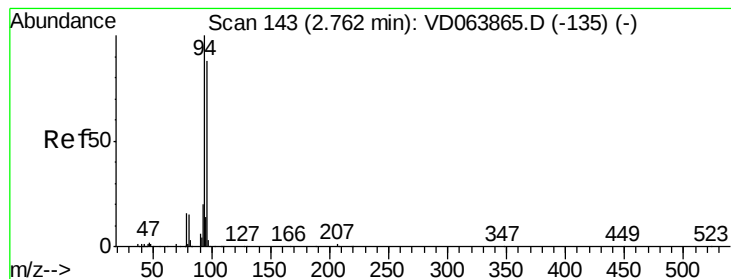
100000

0

Time-->

2.25 2.30 2.35 2.40 2.45





#5

Bromomethane

Concen: 168.534 ug/l

RT: 2.74 min Scan# 140

Delta R.T. -0.02 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Instrument :

MSVOA_D

ClientSampleId :

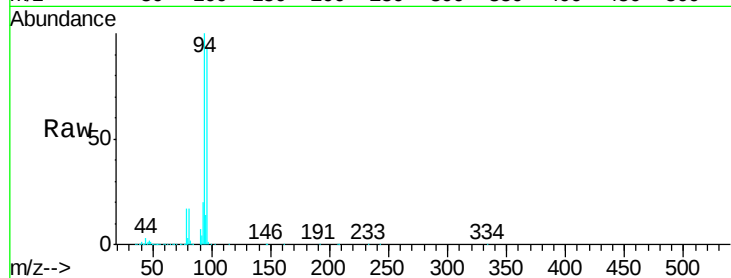
VSTDIC150

Tgt Ion: 94 Resp: 480504

Ion Ratio Lower Upper

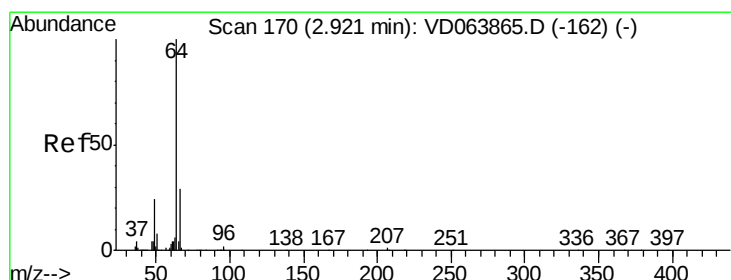
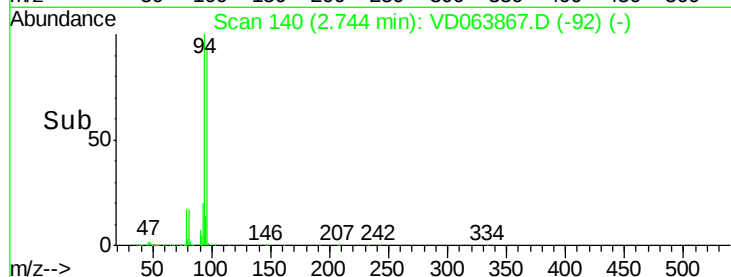
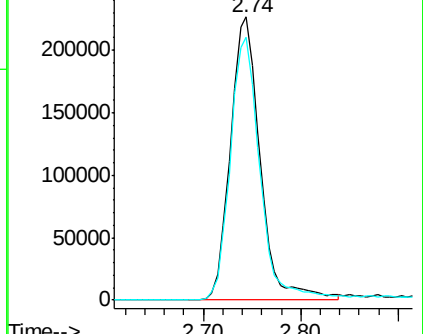
94 100

96 92.8 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: 139.473 ug/l

RT: 2.91 min Scan# 168

Delta R.T. -0.01 min

Lab File: VD063867.D

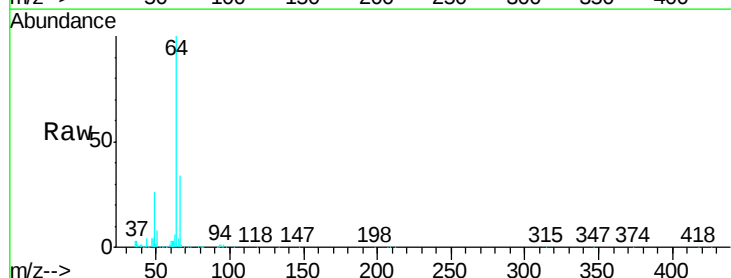
Acq: 02 Oct 2019 18:40

Tgt Ion: 64 Resp: 461890

Ion Ratio Lower Upper

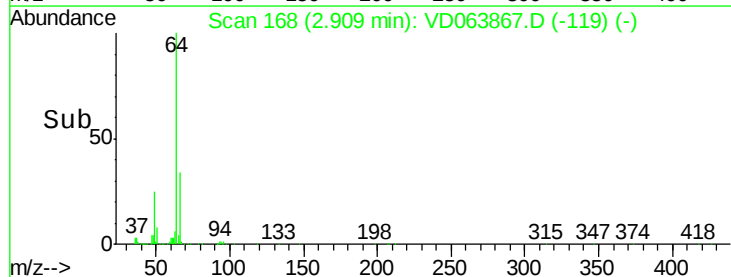
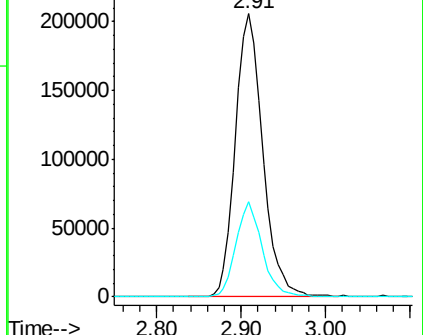
64 100

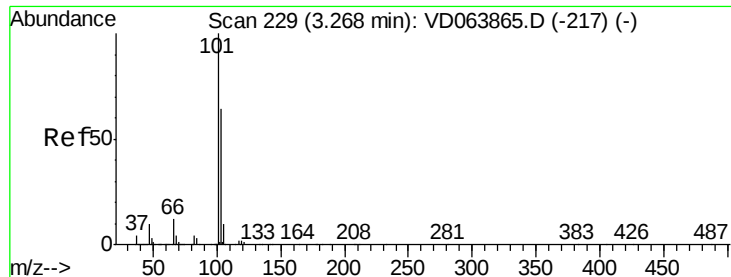
66 33.7 23.0 34.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



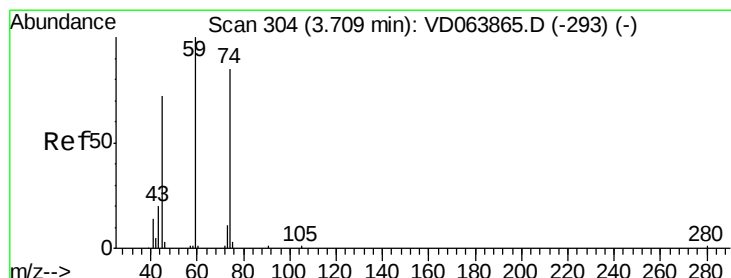
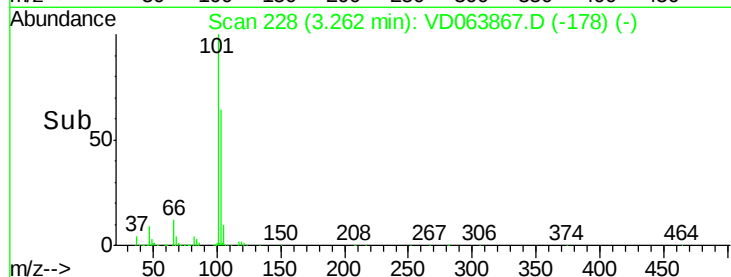
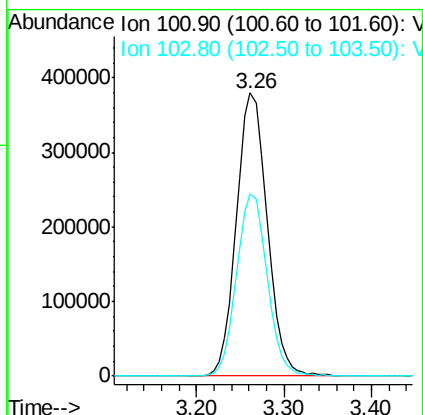
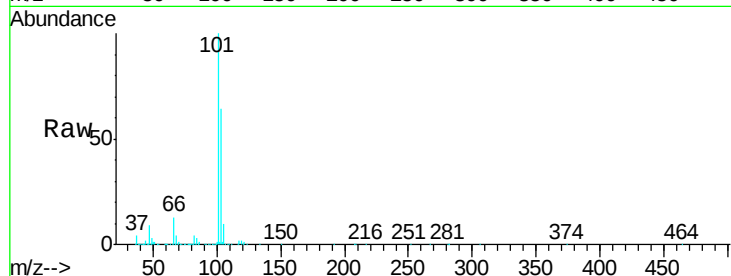


#7

Trichlorofluoromethane
 Concen: 140.660 ug/l
 RT: 3.26 min Scan# 228
 Delta R.T. -0.01 min
 Lab File: VD063867.D
 Acq: 02 Oct 2019 18:40

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 VSTDIC150

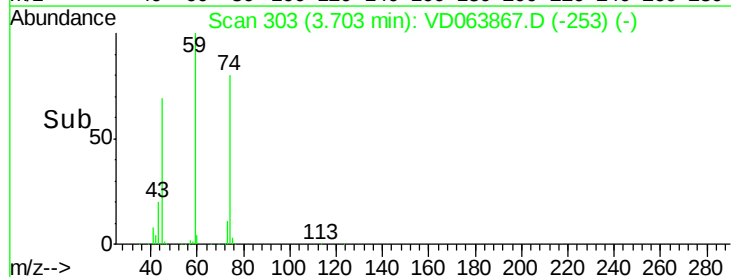
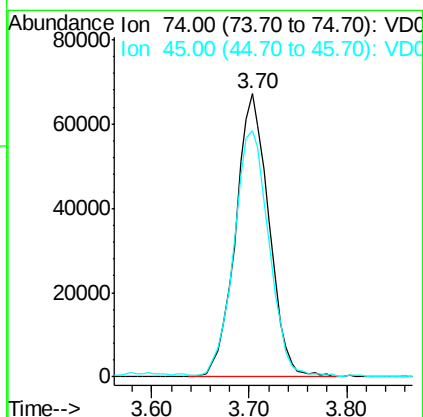
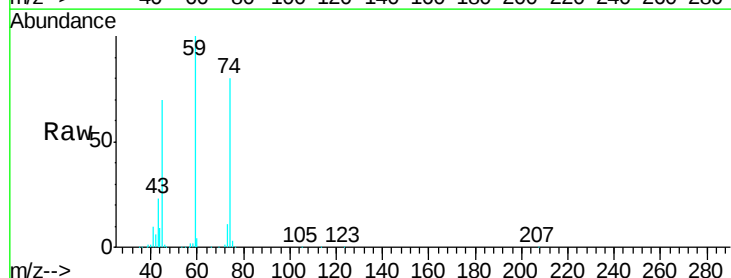
Tgt Ion: 101 Resp: 906532
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.1 76.7

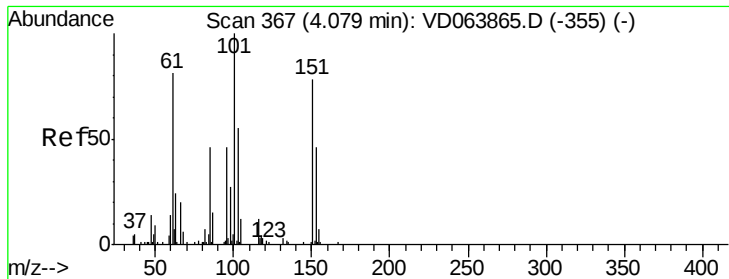


#8

Diethyl Ether
 Concen: 149.560 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD063867.D
 Acq: 02 Oct 2019 18:40

Tgt Ion: 74 Resp: 159496
 Ion Ratio Lower Upper
 74 100
 45 90.9 48.1 144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 138.601 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

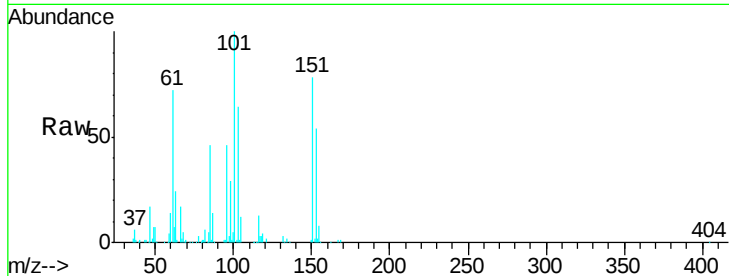
Tgt Ion:101 Resp: 261090

Ion Ratio Lower Upper

101 100

85 45.5 37.5 56.3

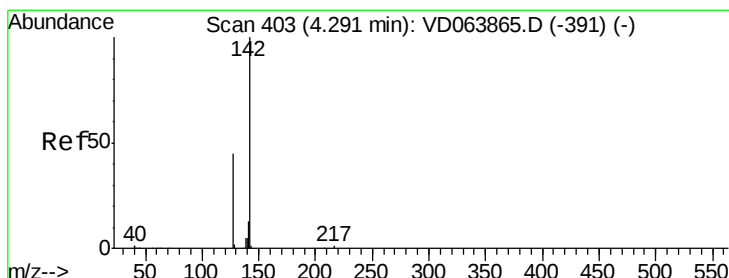
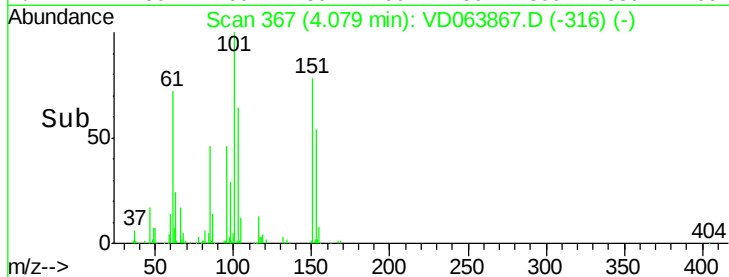
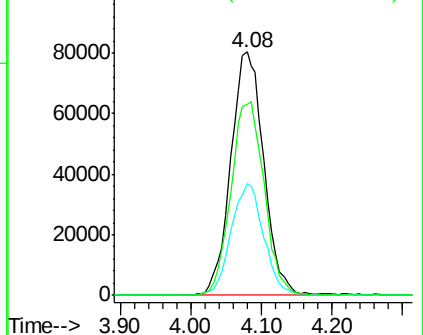
151 79.9 65.5 98.3



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: 187.456 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

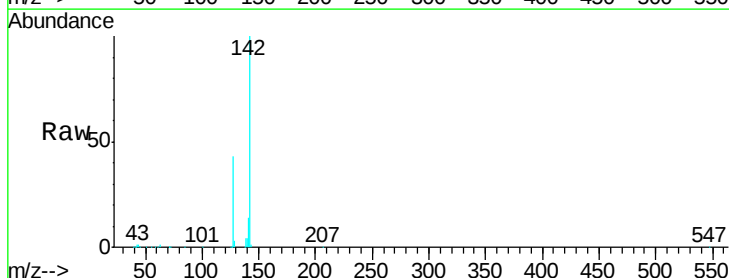
Tgt Ion:142 Resp: 429938

Ion Ratio Lower Upper

142 100

127 44.4 35.3 52.9

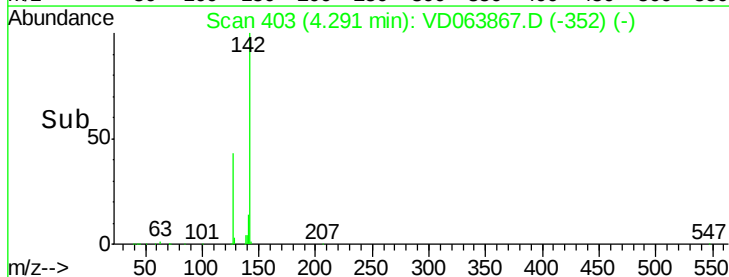
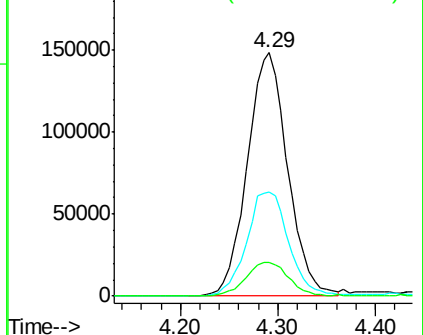
141 14.5 12.2 18.2

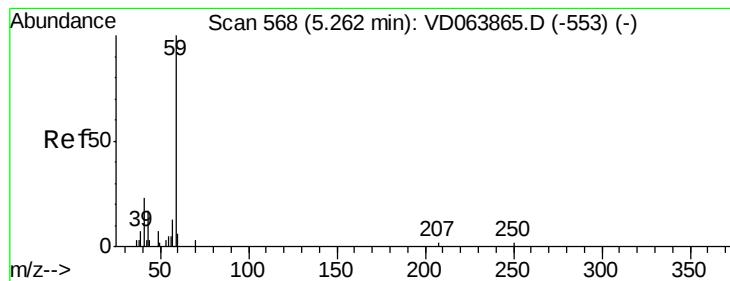


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 654.148 ug/l

RT: 5.26 min Scan# 568

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Instrument :

MSVOA_D

ClientSampleId :

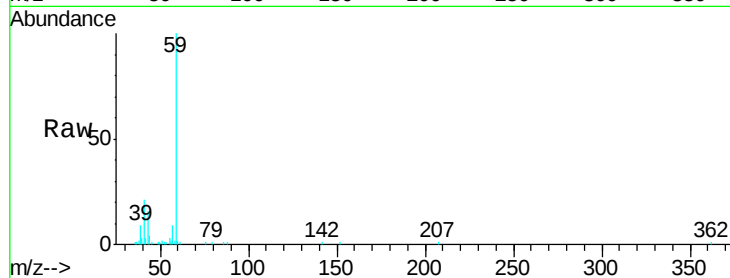
VSTDIC150

Tgt Ion: 59 Resp: 108793

Ion Ratio Lower Upper

59 100

57 9.9 8.8 13.2



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

50000

40000

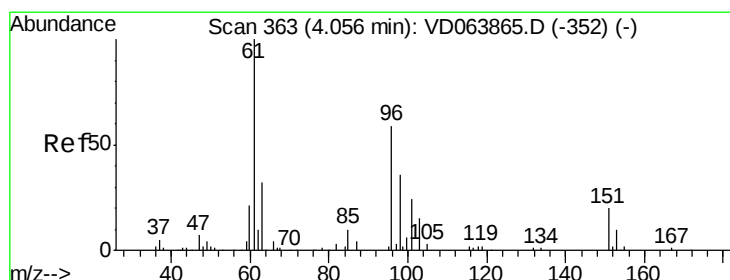
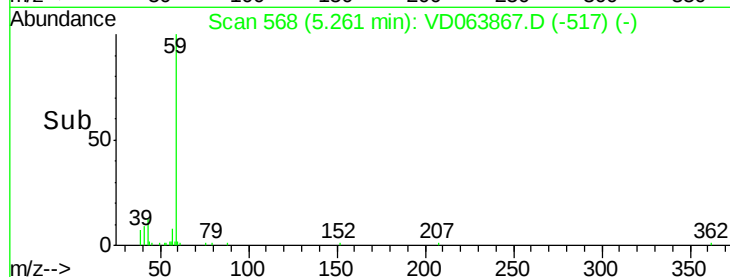
30000

20000

10000

0

Time--> 5.10 5.20 5.30 5.40



#12

1,1-Dichloroethene

Concen: 143.116 ug/l

RT: 4.05 min Scan# 362

Delta R.T. -0.01 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

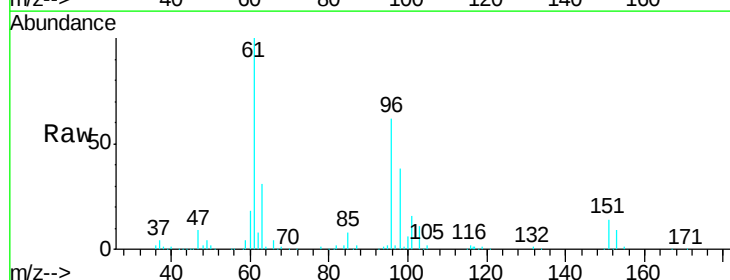
Tgt Ion: 96 Resp: 273127

Ion Ratio Lower Upper

96 100

61 160.2 135.6 203.4

98 61.0 49.2 73.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

200000

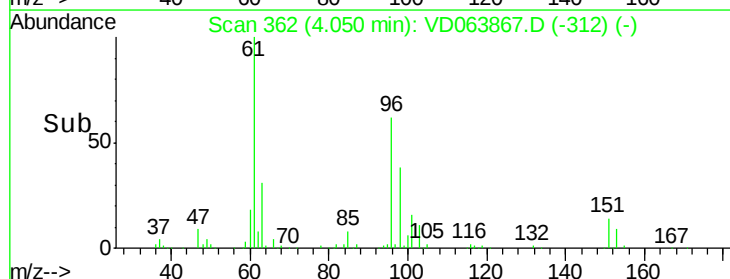
150000

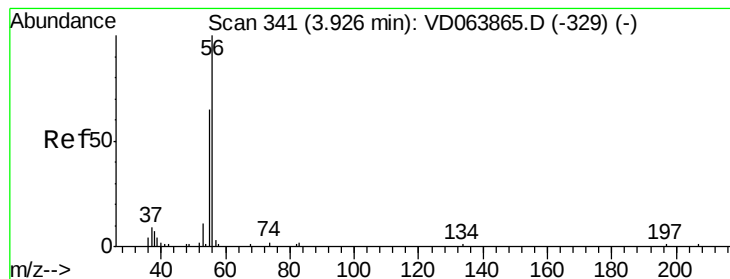
100000

50000

0

Time--> 3.90 4.00 4.10 4.20





#13

Acrolein

Concen: 670.342 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Instrument :

MSVOA_D

ClientSampleId :

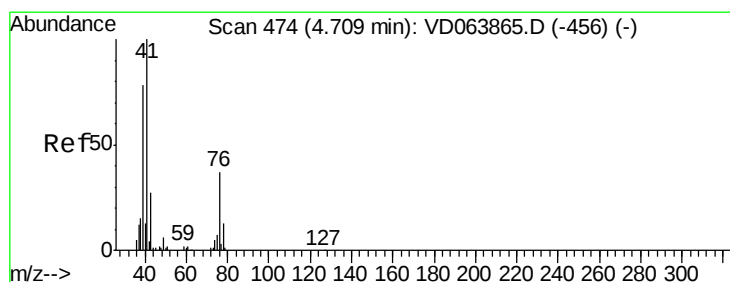
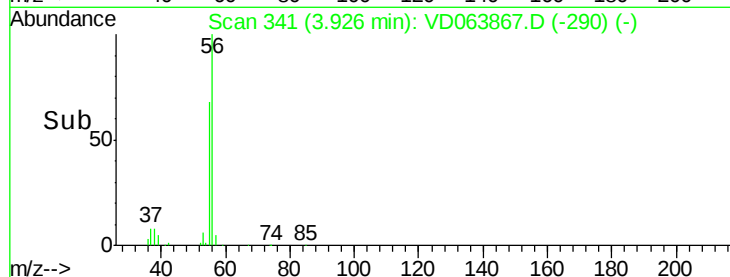
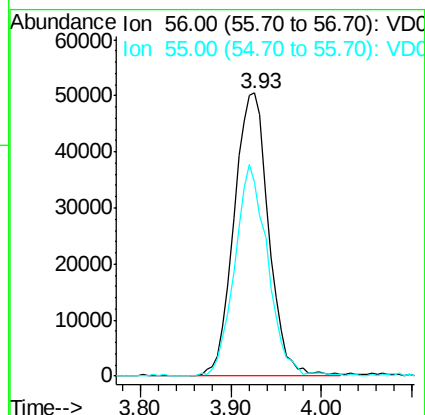
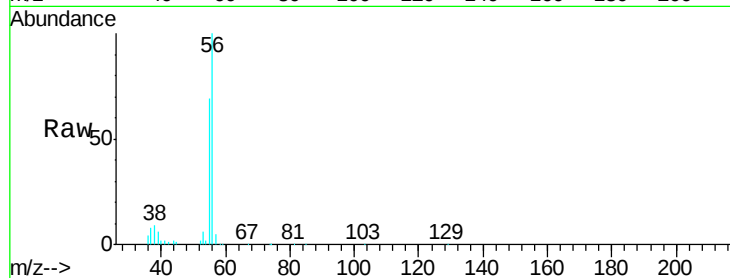
VSTDIC150

Tgt Ion: 56 Resp: 133965

Ion Ratio Lower Upper

56 100

55 70.8 53.0 79.6



#14

Allyl chloride

Concen: 137.191 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

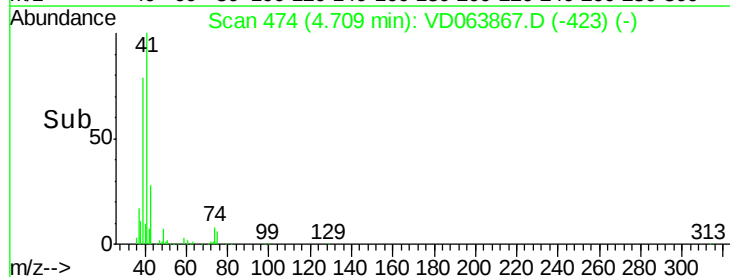
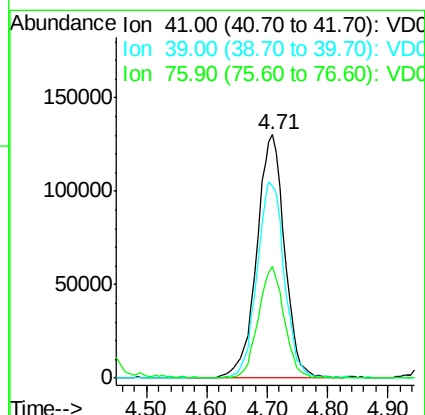
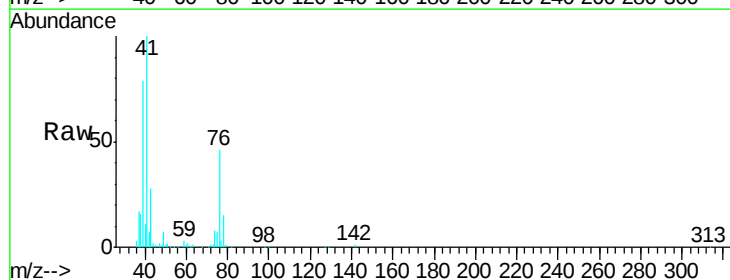
Tgt Ion: 41 Resp: 418262

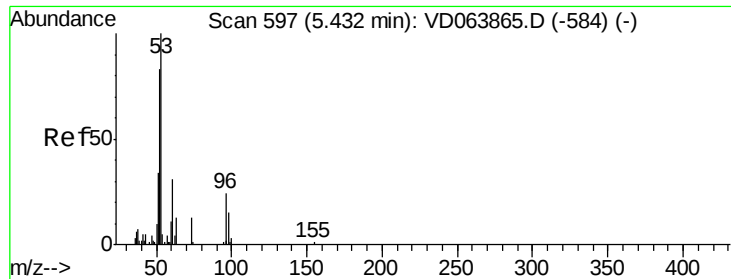
Ion Ratio Lower Upper

41 100

39 79.2 61.8 92.6

76 42.7 31.3 46.9





#15

Acrylonitrile

Concen: 777.496 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

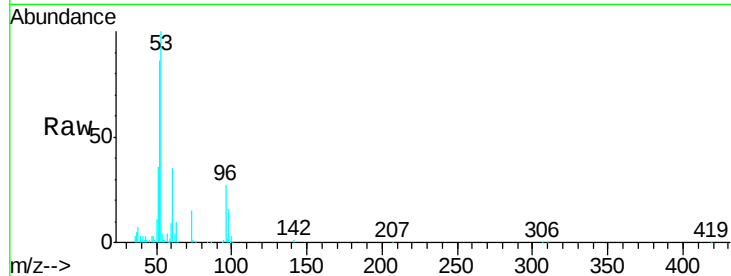
Tgt Ion: 53 Resp: 361527

Ion Ratio Lower Upper

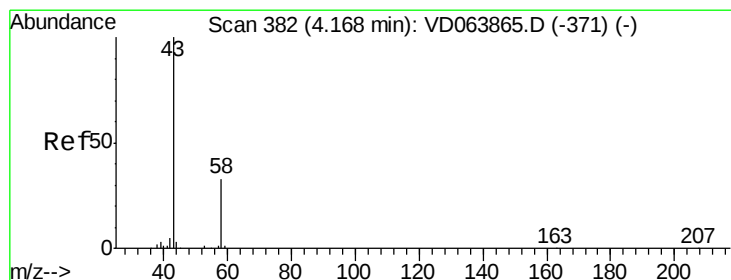
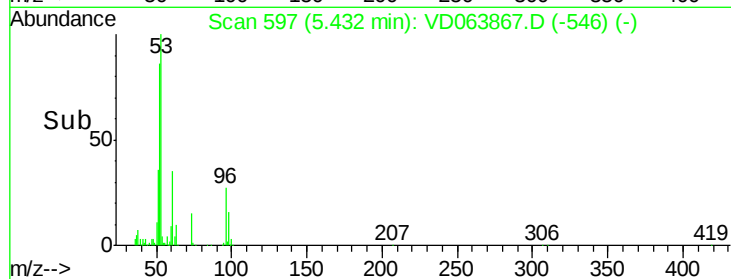
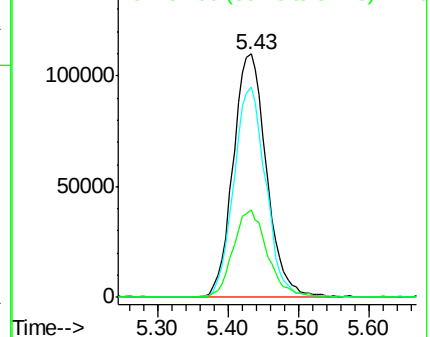
53 100

52 82.5 67.3 100.9

51 36.8 30.5 45.7



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 879.778 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD063867.D

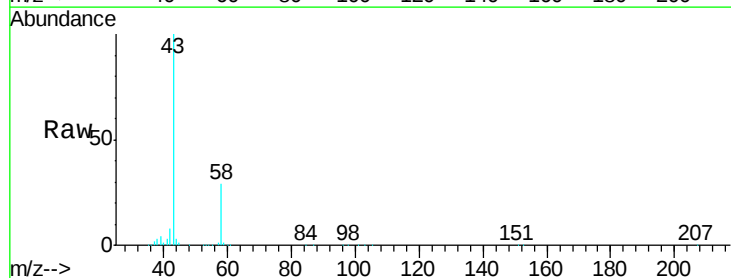
Acq: 02 Oct 2019 18:40

Tgt Ion: 43 Resp: 442024

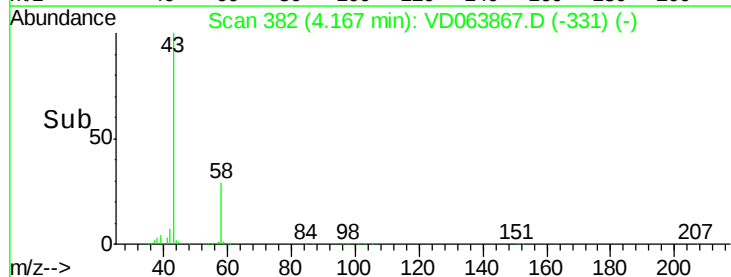
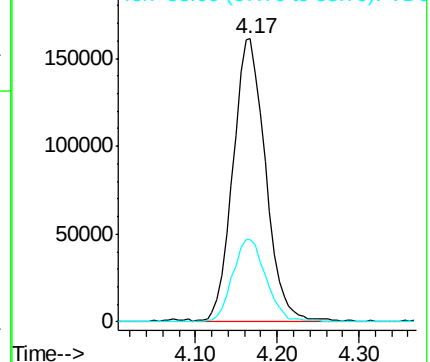
Ion Ratio Lower Upper

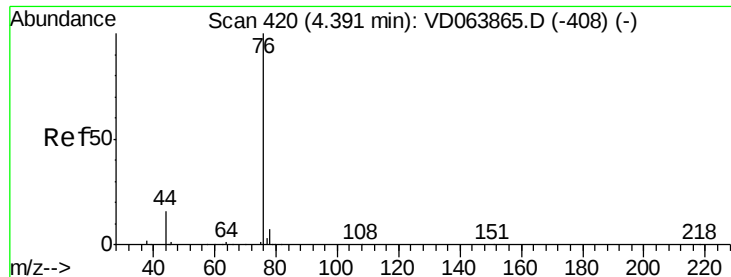
43 100

58 29.2 26.2 39.4



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

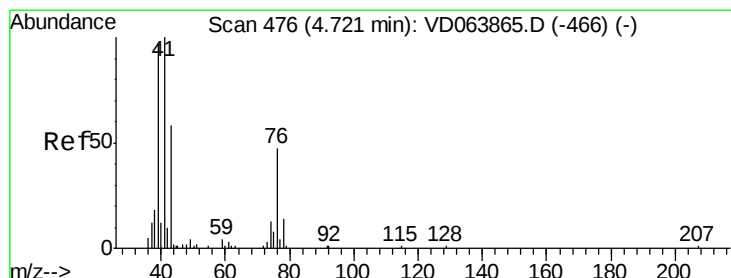
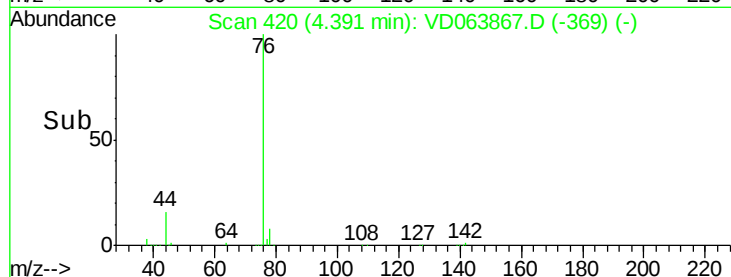
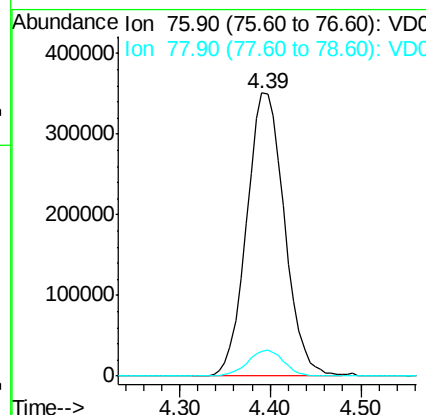
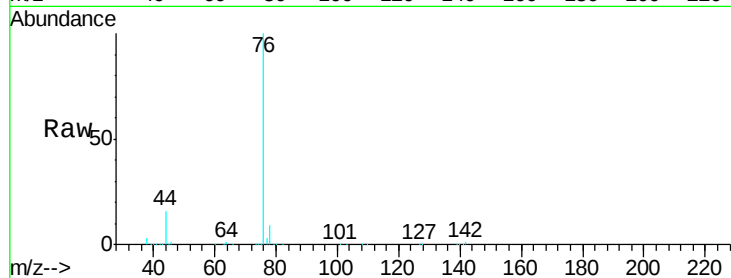




#17
Carbon Disulfide
Concen: 156.585 ug/l
RT: 4.39 min Scan# 420
Delta R.T. -0.00 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

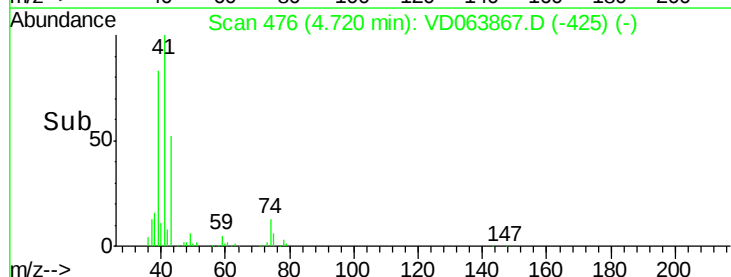
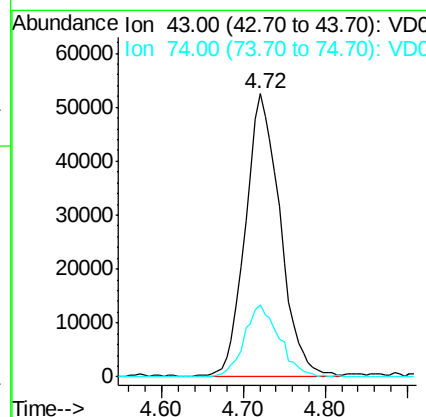
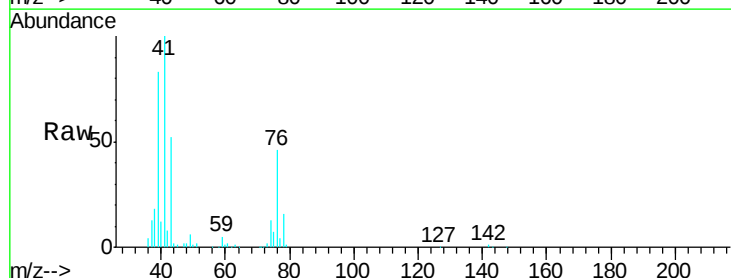
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

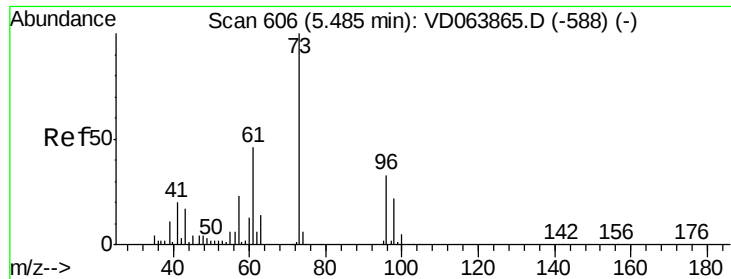
Tgt Ion: 76 Resp: 1018706
Ion Ratio Lower Upper
76 100
78 8.7 5.8 8.8



#18
Methyl Acetate
Concen: 133.260 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

Tgt Ion: 43 Resp: 155680
Ion Ratio Lower Upper
43 100
74 25.6 20.8 31.2

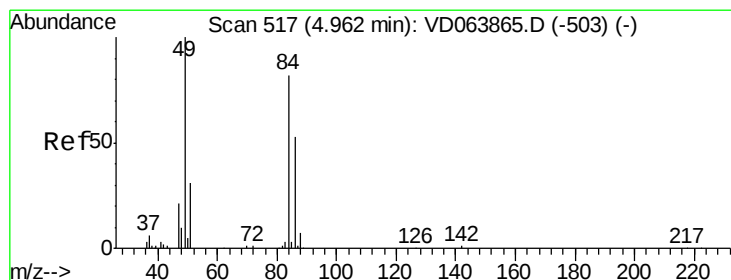
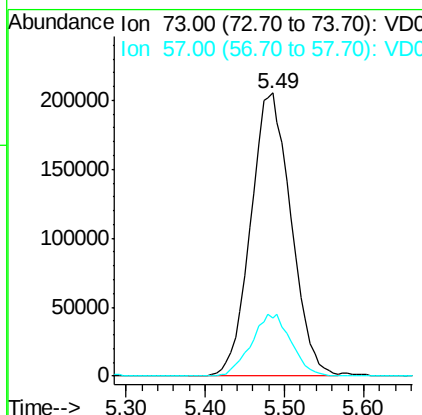
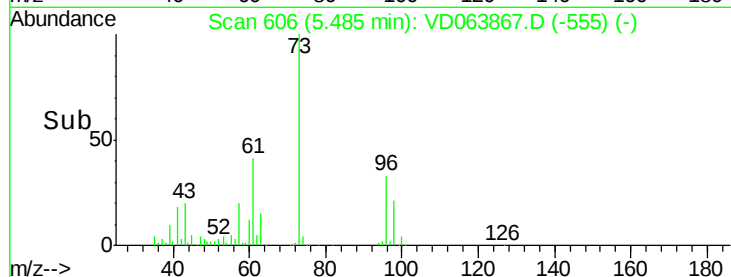
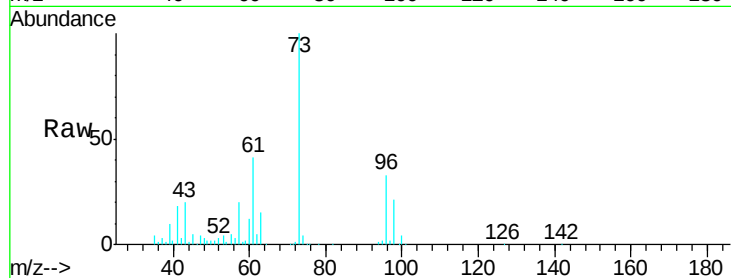




#19
Methyl tert-butyl Ether
Concen: 151.057 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

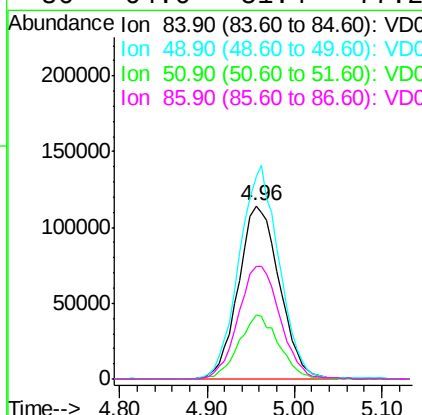
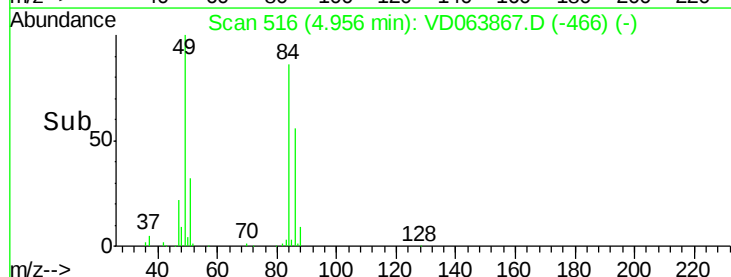
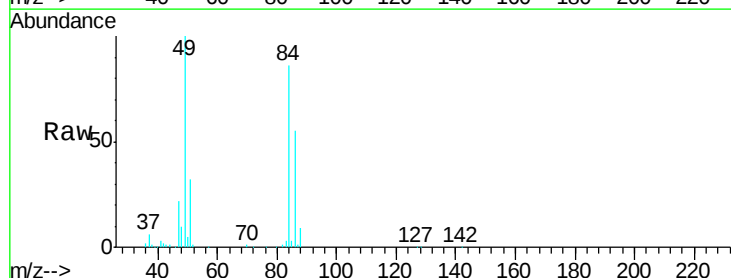
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

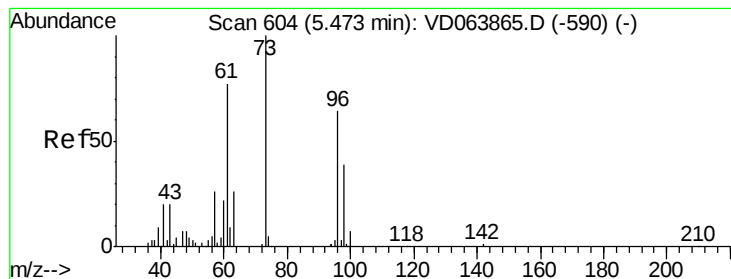
Tgt Ion: 73 Resp: 725728
Ion Ratio Lower Upper
73 100
57 20.3 18.1 27.1



#20
Methylene Chloride
Concen: 127.623 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

Tgt Ion: 84 Resp: 365686
Ion Ratio Lower Upper
84 100
49 116.9 97.3 145.9
51 37.2 30.1 45.1
86 64.6 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 154.400 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

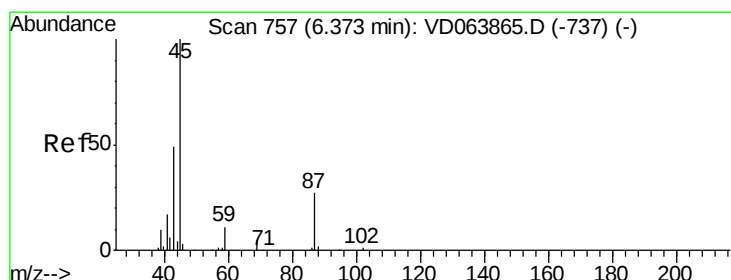
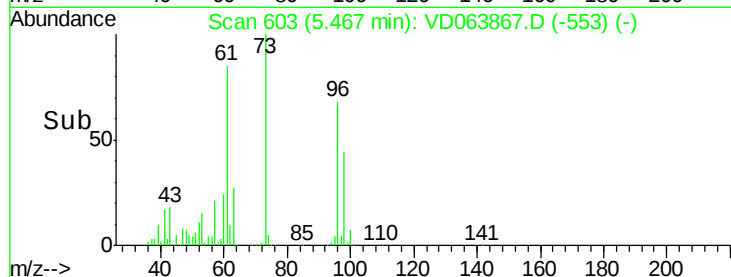
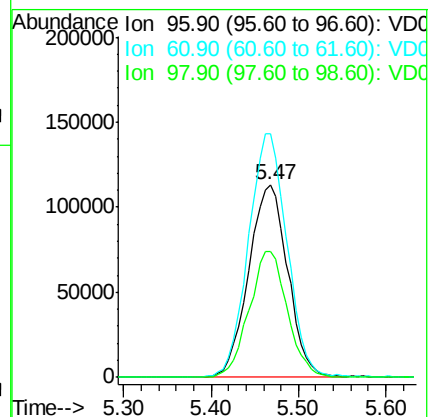
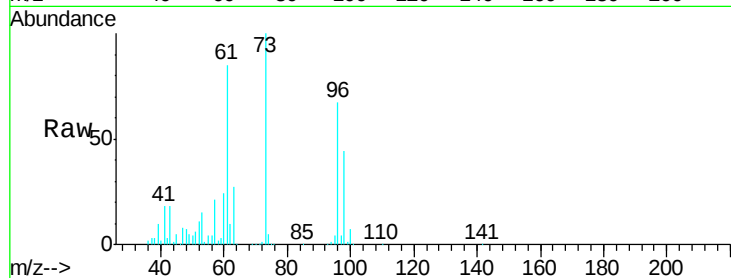
Tgt Ion: 96 Resp: 345989

Ion Ratio Lower Upper

96 100

61 125.9 96.6 145.0

98 65.2 48.7 73.1



#22

Diisopropyl ether

Concen: 137.730 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Tgt Ion: 45 Resp: 861421

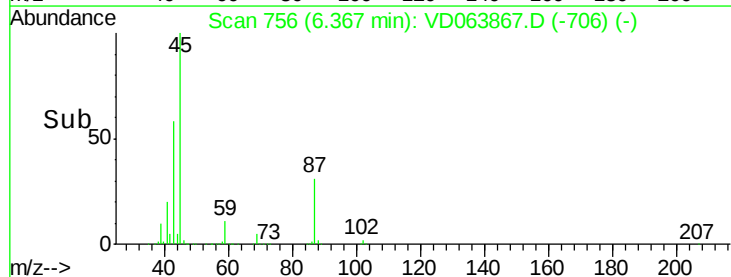
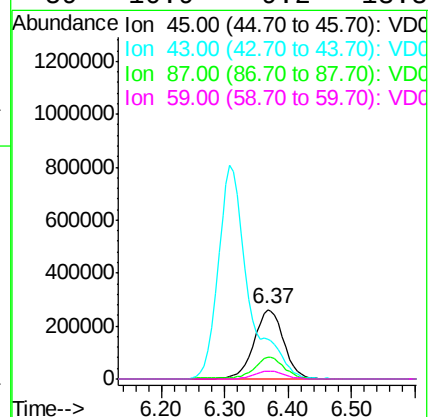
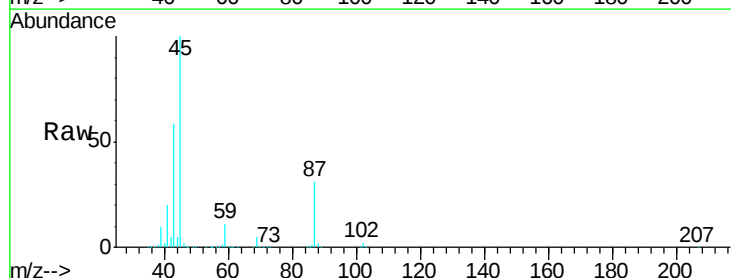
Ion Ratio Lower Upper

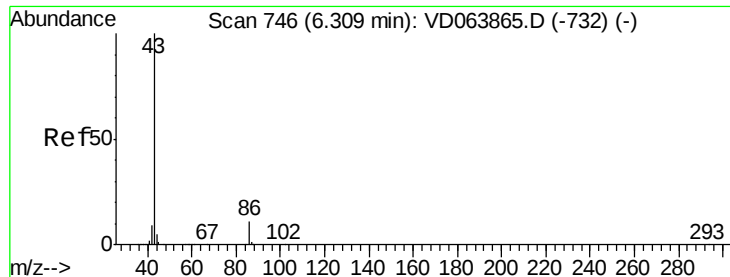
45 100

43 57.4 41.2 61.8

87 30.6 22.2 33.4

59 10.9 9.2 13.8





#23

Vinyl Acetate

Concen: 721.857 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Instrument :

MSVOA_D

ClientSampleId :

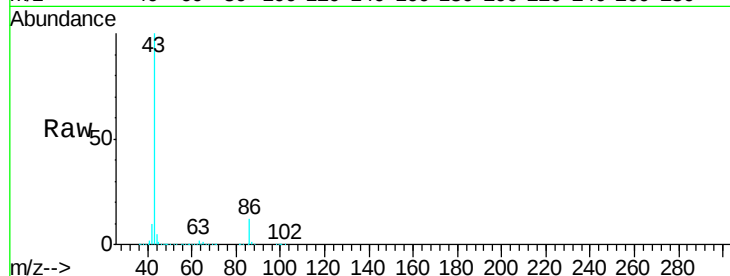
VSTDIC150

Tgt Ion: 43 Resp: 2685530

Ion Ratio Lower Upper

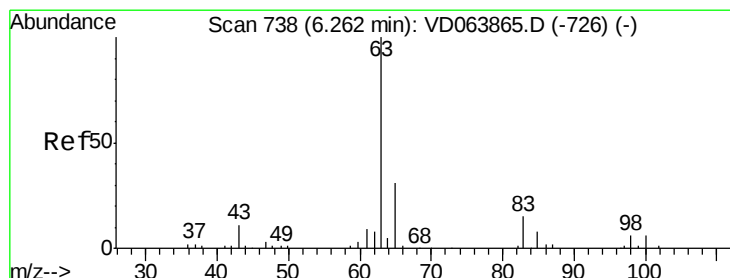
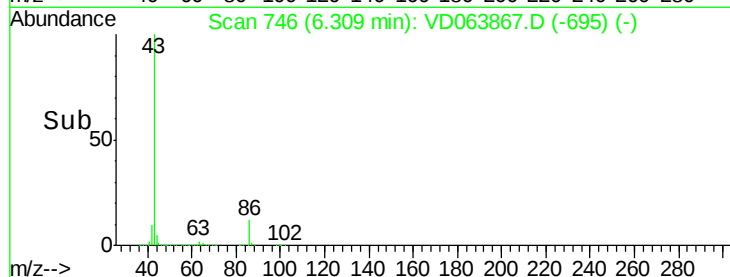
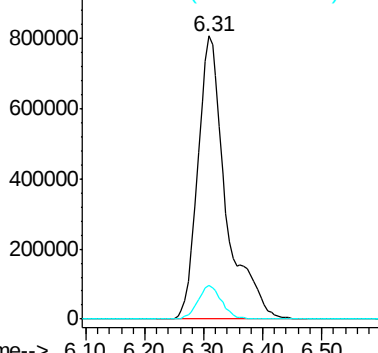
43 100

86 12.1 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: 145.856 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

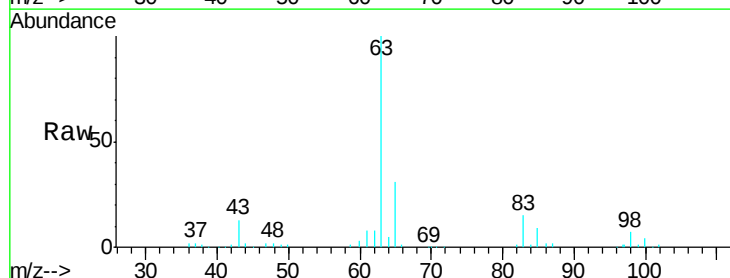
Tgt Ion: 63 Resp: 556950

Ion Ratio Lower Upper

63 100

98 7.4 3.1 9.4

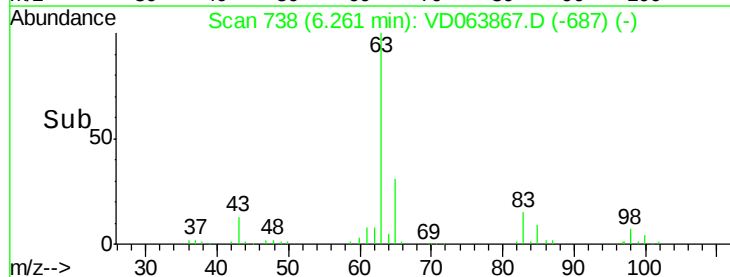
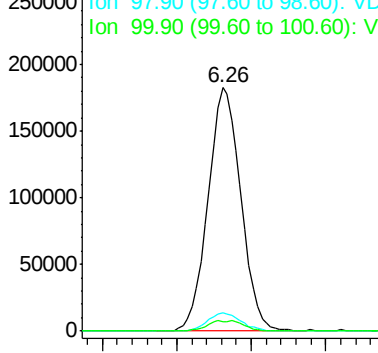
100 4.0 3.0 9.2

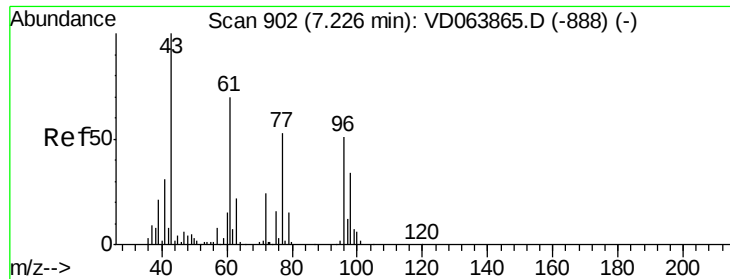


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 795.287 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Instrument :

MSVOA_D

ClientSampleId :

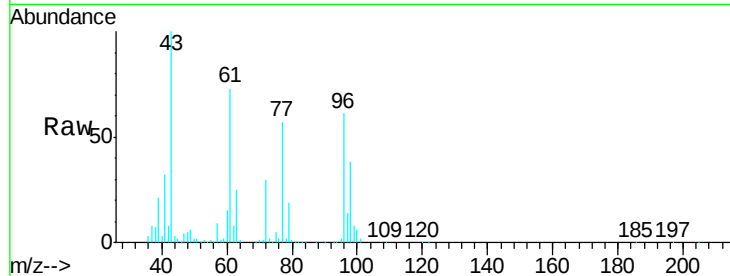
VSTDIC150

Tgt Ion: 43 Resp: 507325

Ion Ratio Lower Upper

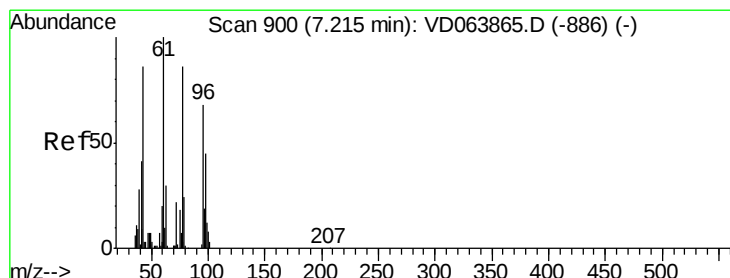
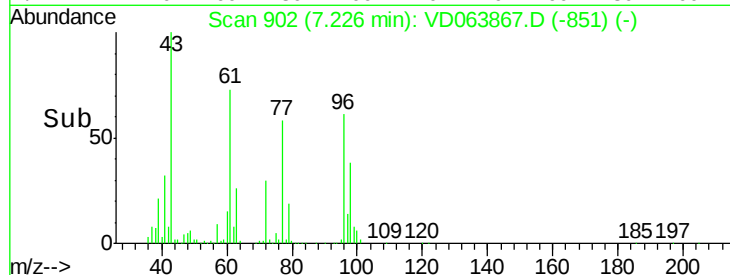
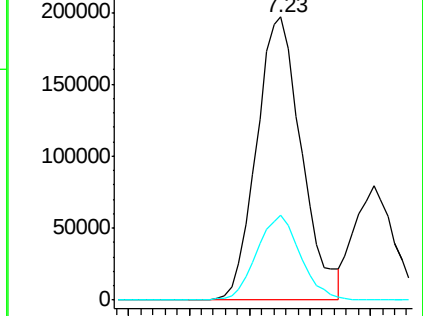
43 100

72 30.0 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: 139.767 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD063867.D

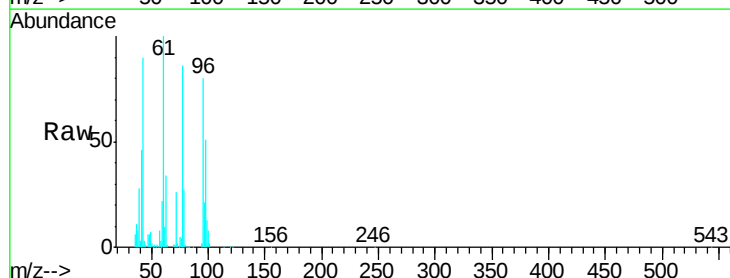
Acq: 02 Oct 2019 18:40

Tgt Ion: 77 Resp: 493646

Ion Ratio Lower Upper

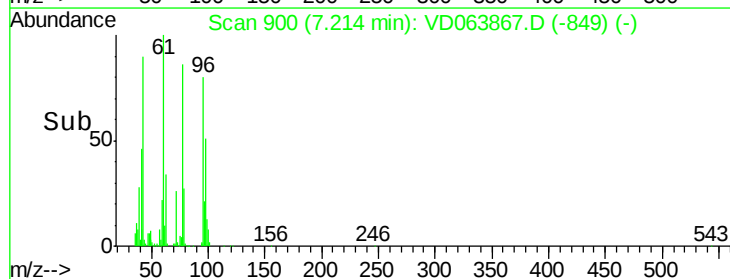
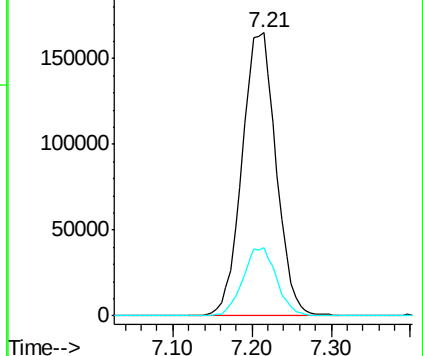
77 100

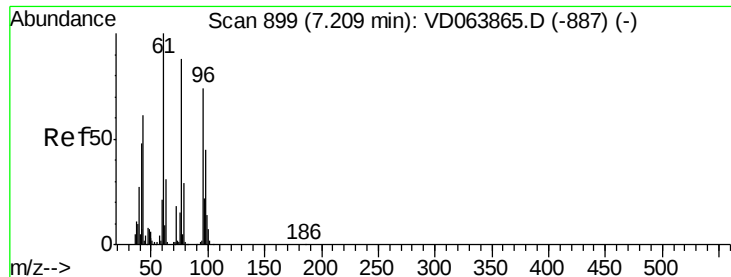
97 23.8 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



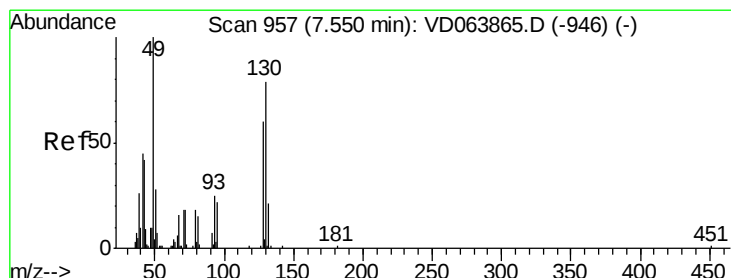
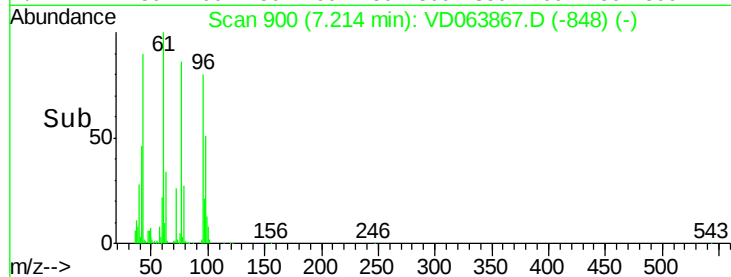
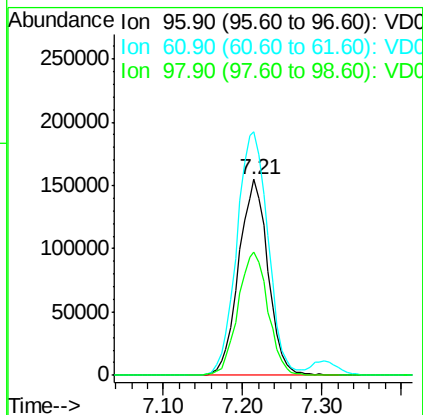
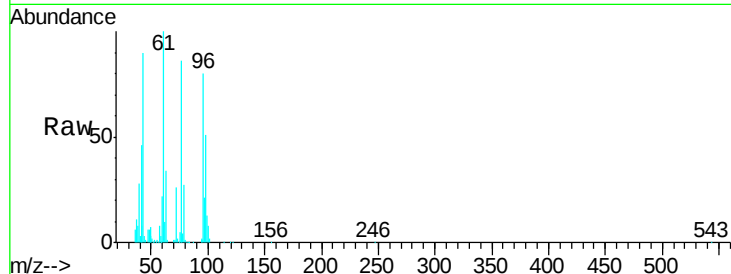


#27

cis-1,2-Dichloroethene
 Concen: 159.335 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD063867.D
 Acq: 02 Oct 2019 18:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

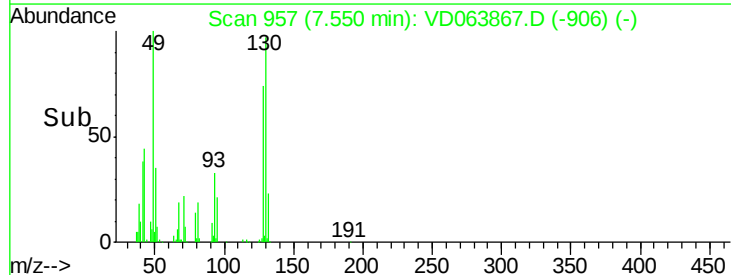
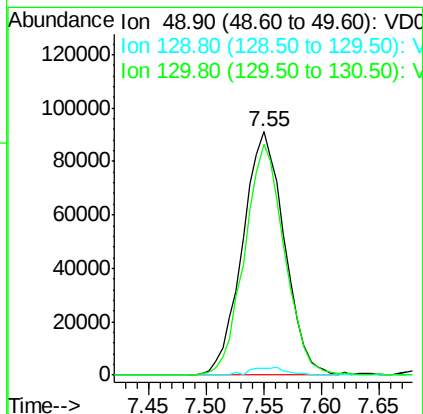
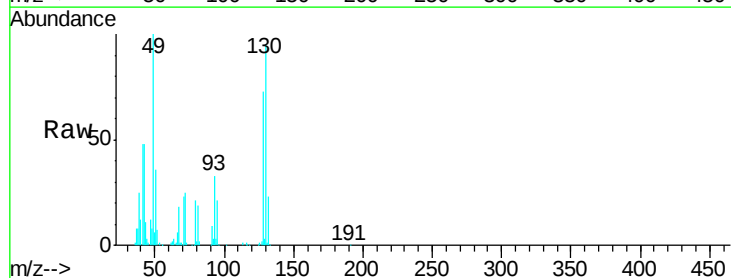
Tgt Ion: 96 Resp: 398595
 Ion Ratio Lower Upper
 96 100
 61 131.7 0.0 280.0
 98 64.3 0.0 130.4

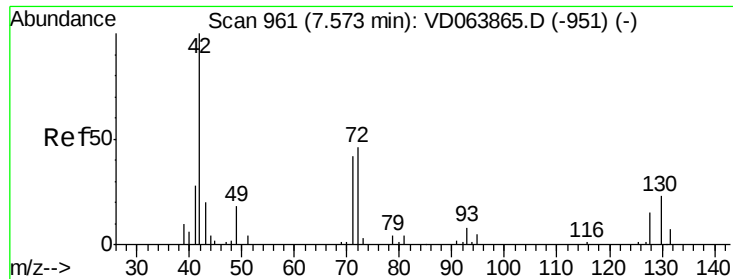


#28

Bromochloromethane
 Concen: 156.616 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD063867.D
 Acq: 02 Oct 2019 18:40

Tgt Ion: 49 Resp: 229989
 Ion Ratio Lower Upper
 49 100
 129 2.9 0.0 5.6
 130 90.8 66.8 100.2

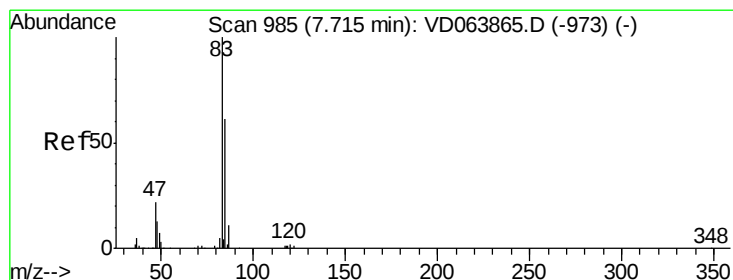
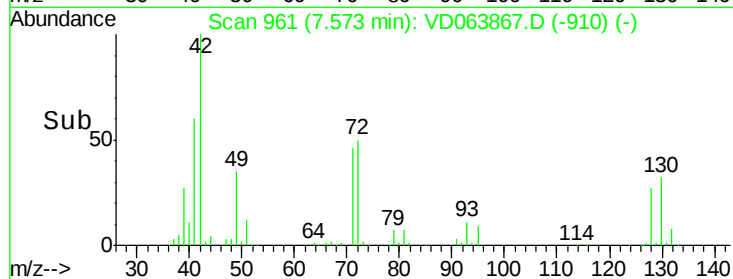
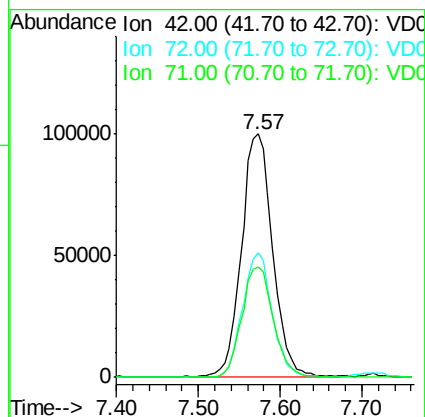
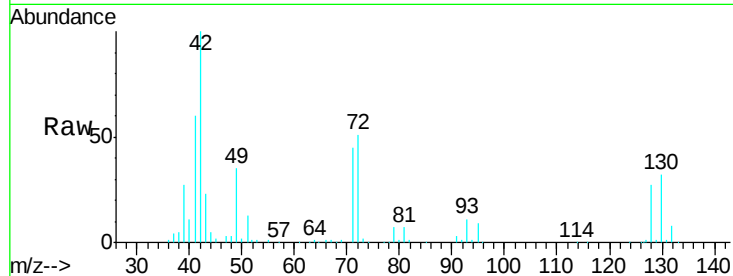




#29
Tetrahydrofuran
Concen: 710.237 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

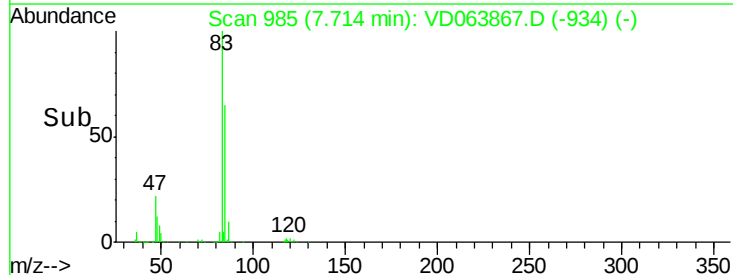
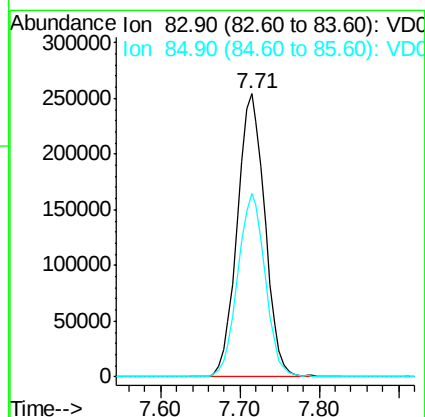
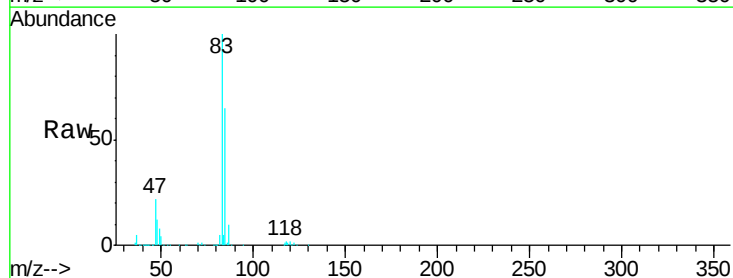
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

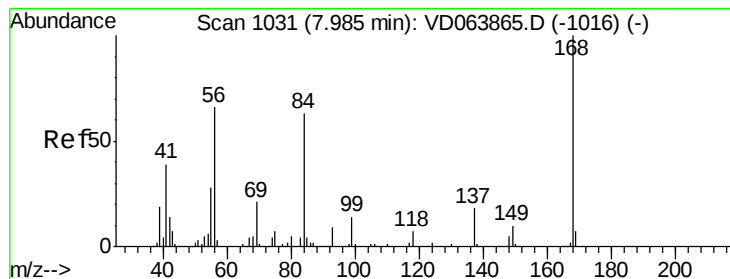
Tgt Ion: 42 Resp: 264732
Ion Ratio Lower Upper
42 100
72 48.9 37.6 56.4
71 45.8 35.0 52.6



#30
Chloroform
Concen: 148.642 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

Tgt Ion: 83 Resp: 613324
Ion Ratio Lower Upper
83 100
85 64.7 48.9 73.3





#31

Cyclohexane

Concen: 121.332 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

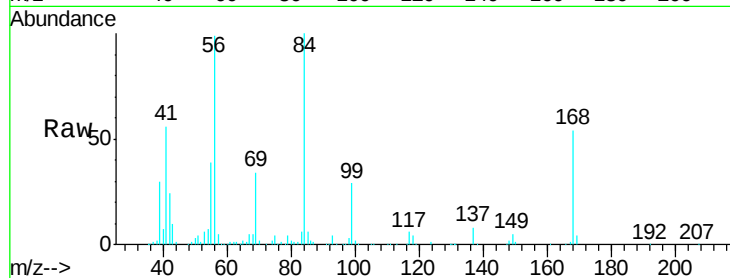
Tgt Ion: 56 Resp: 454769

Ion Ratio Lower Upper

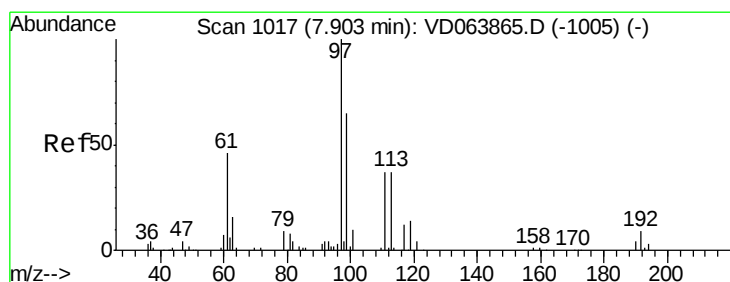
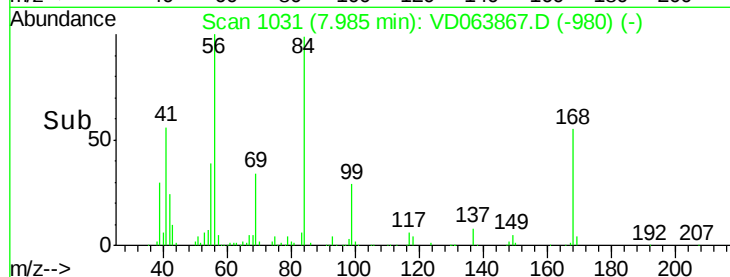
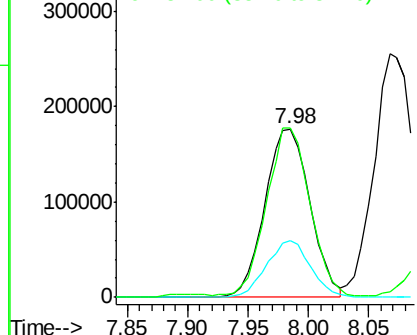
56 100

69 34.0 25.0 37.4

84 98.4 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: 146.818 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

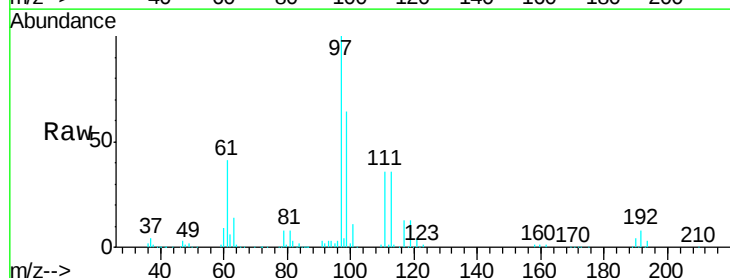
Tgt Ion: 97 Resp: 546244

Ion Ratio Lower Upper

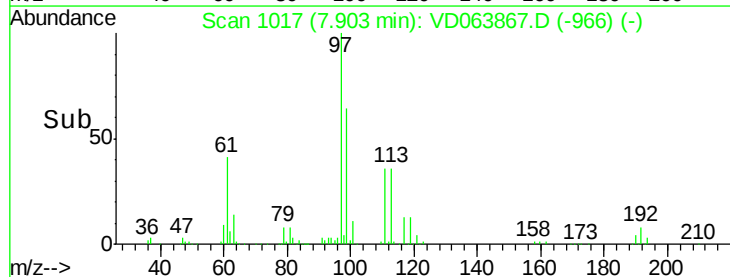
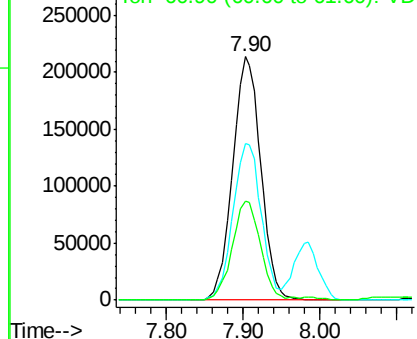
97 100

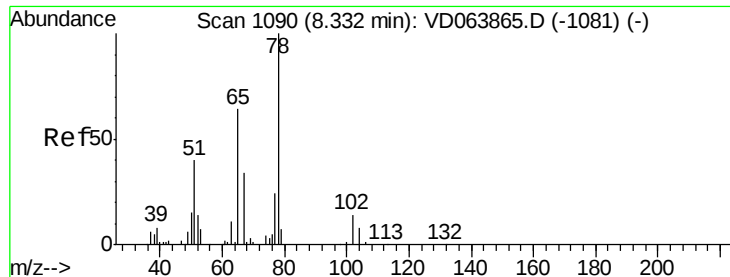
99 64.9 52.4 78.6

61 41.0 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: 154.513 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Instrument :

MSVOA_D

ClientSampleId :

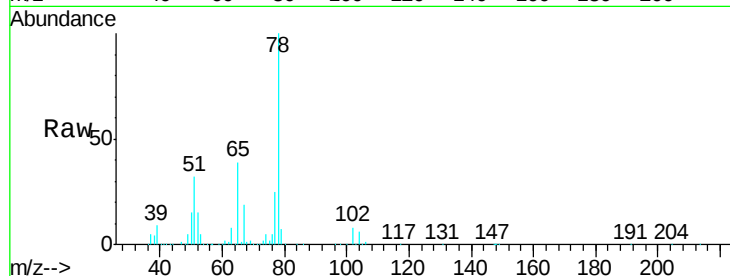
VSTDIC150

Tgt Ion: 65 Resp: 327374

Ion Ratio Lower Upper

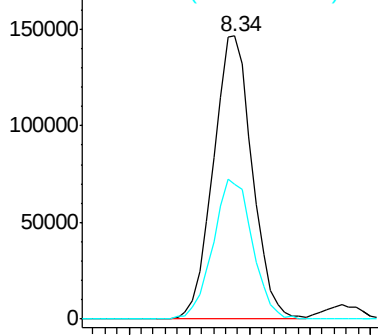
65 100

67 50.5 0.0 106.4

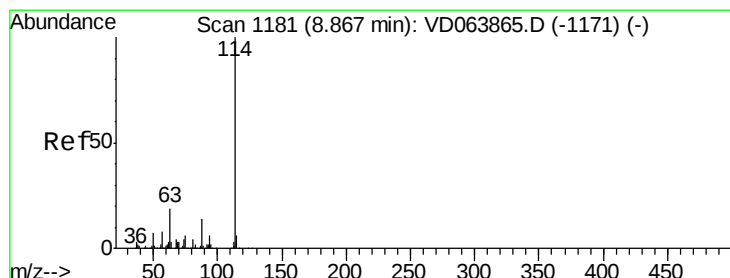
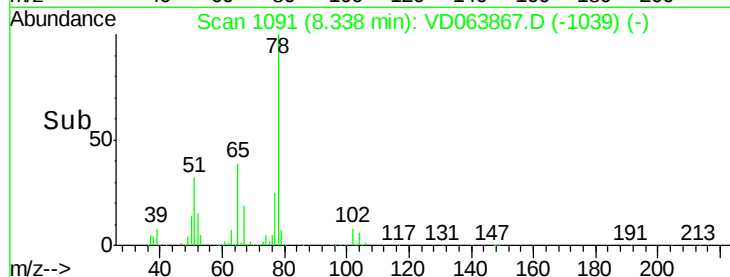


Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

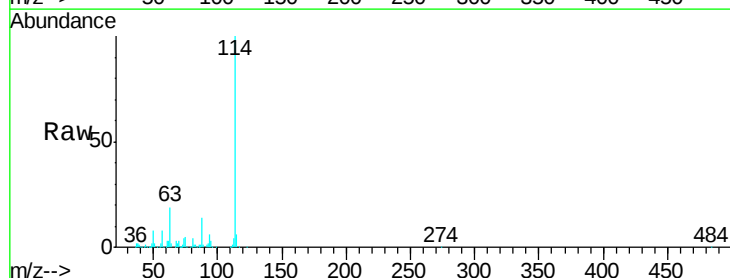
Tgt Ion: 114 Resp: 352239

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.4

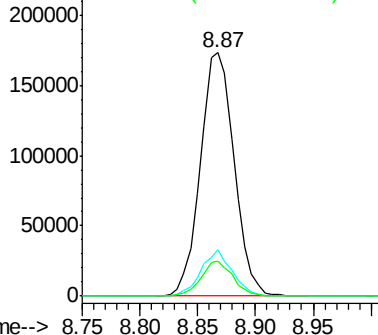
88 14.4 0.0 27.4



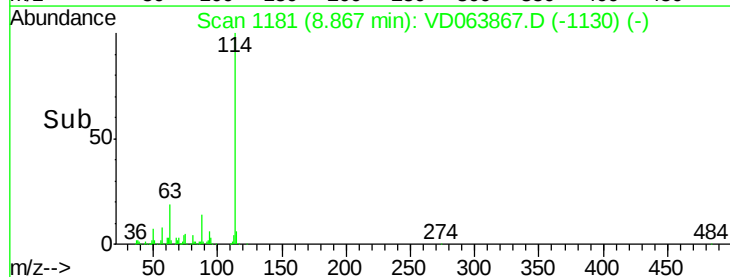
Abundance Ion 113.90 (113.60 to 114.60): V

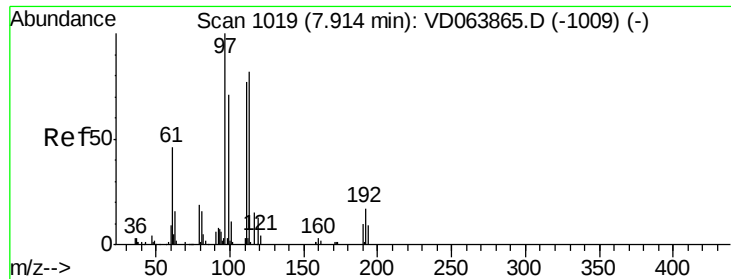
Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC



Time-->

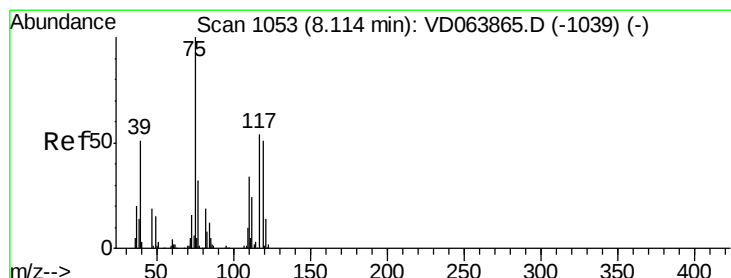
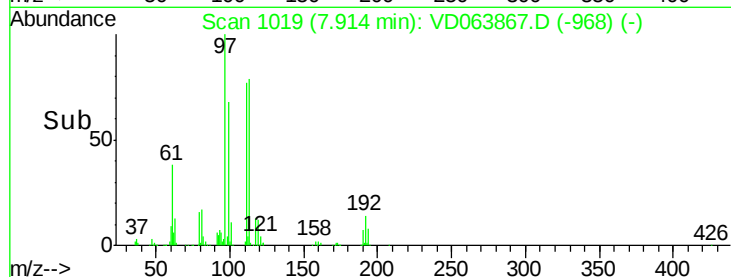
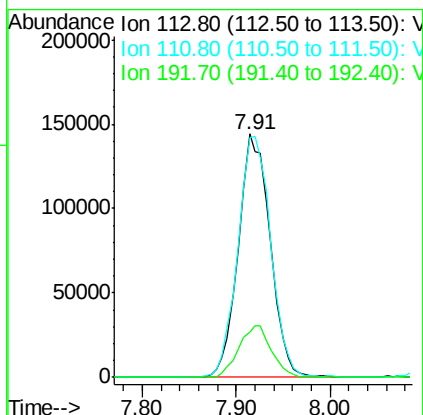
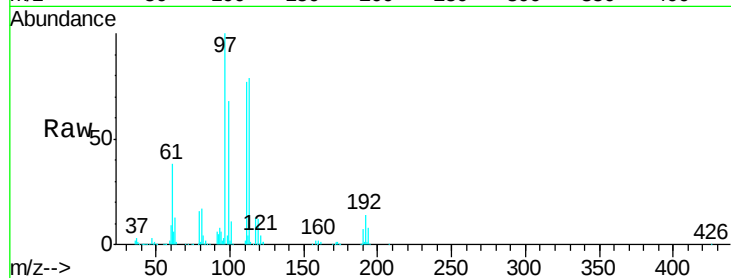




#35
 Dibromofluoromethane
 Concen: 152.606 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD063867.D
 Acq: 02 Oct 2019 18:40

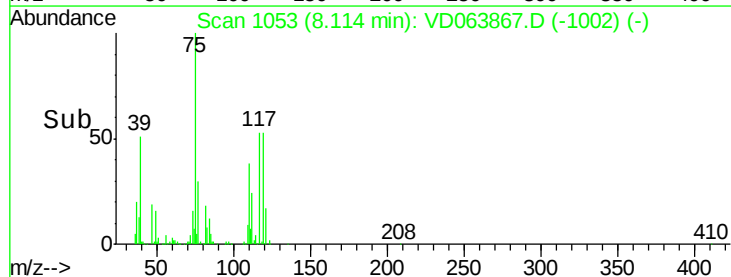
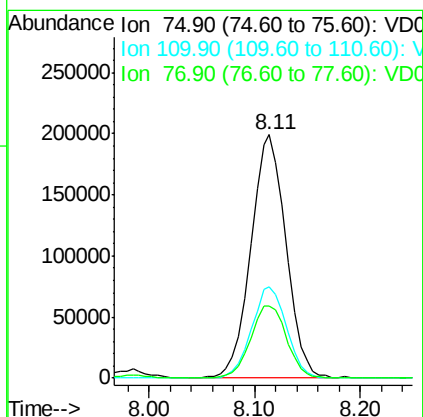
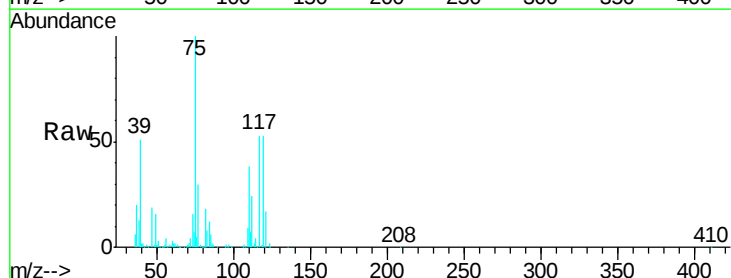
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

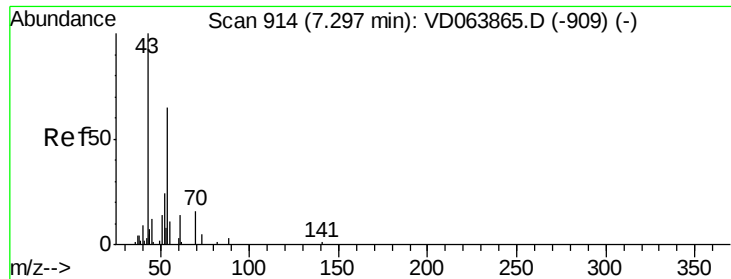
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.6	123.8
192	21.8	17.1	25.7



#36
 1,1-Dichloropropene
 Concen: 144.589 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD063867.D
 Acq: 02 Oct 2019 18:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.4	17.4	52.3
77	30.7	25.4	38.0

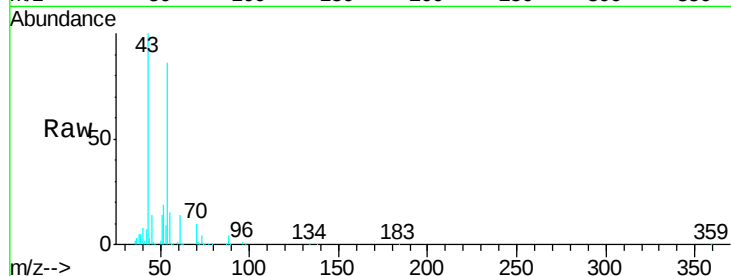




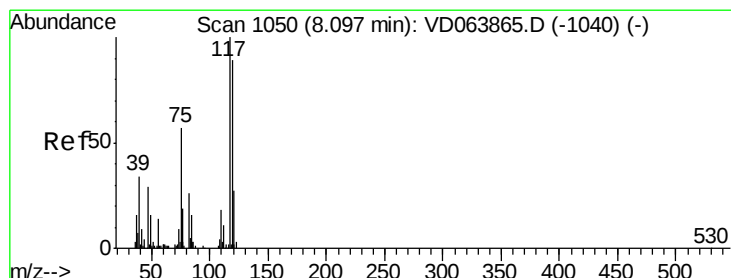
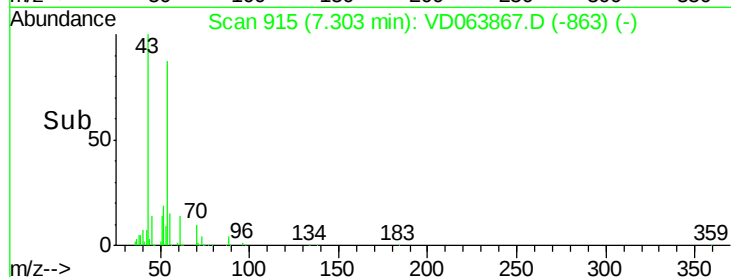
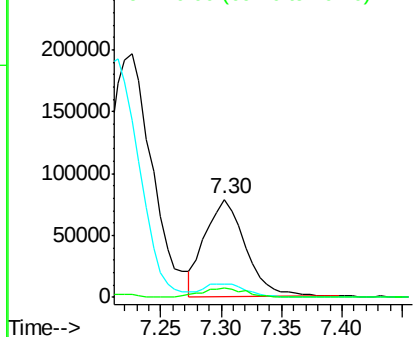
#37
 Ethyl Acetate
 Concen: 134.162 ug/l
 RT: 7.30 min Scan# 915
 Delta R.T. 0.01 min
 Lab File: VD063867.D
 Acq: 02 Oct 2019 18:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion: 43 Resp: 182427
 Ion Ratio Lower Upper
 43 100
 61 14.8 11.5 17.3
 70 10.7 8.2 12.4

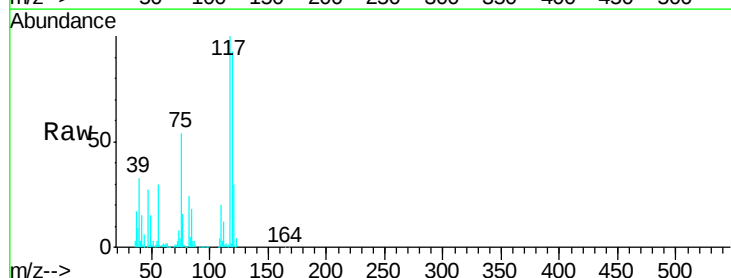


Abundance Ion 43.00 (42.70 to 43.70): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 70.00 (69.70 to 70.70): VDC

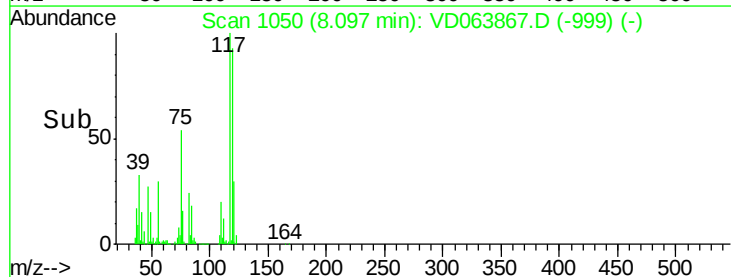
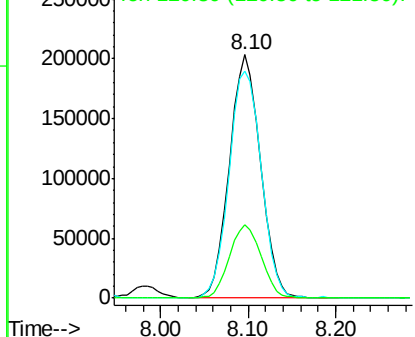


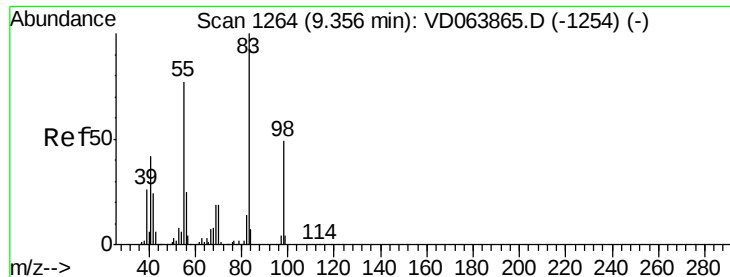
#38
 Carbon Tetrachloride
 Concen: 149.561 ug/l
 RT: 8.10 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VD063867.D
 Acq: 02 Oct 2019 18:40

Tgt Ion: 117 Resp: 492468
 Ion Ratio Lower Upper
 117 100
 119 93.1 70.8 106.2
 121 30.3 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

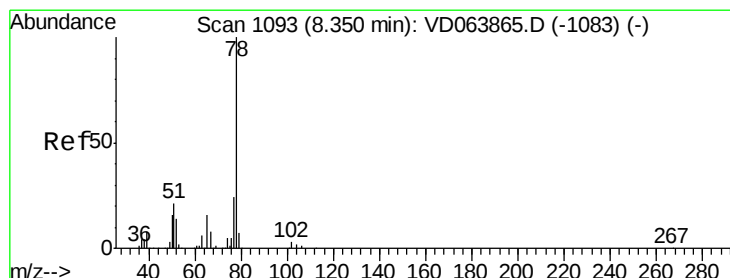
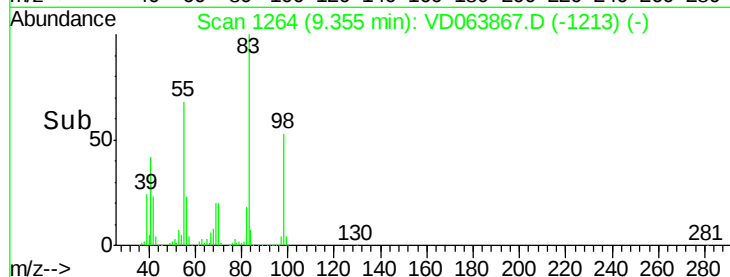
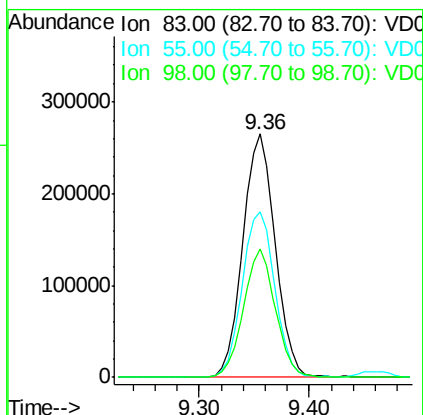
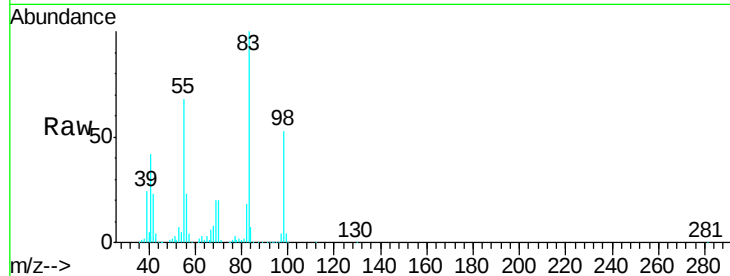




#39
Methylcyclohexane
Concen: 138.452 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

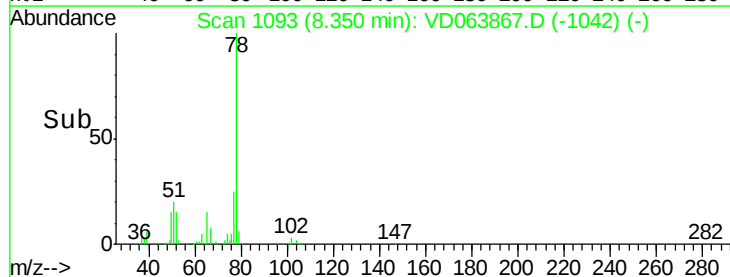
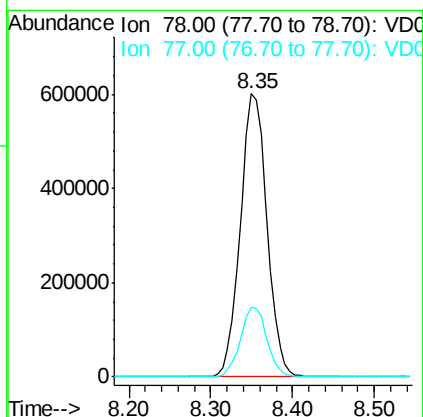
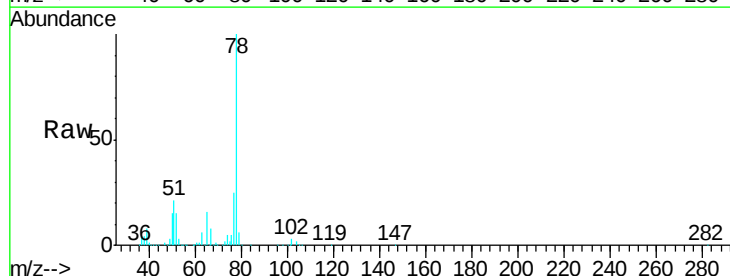
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

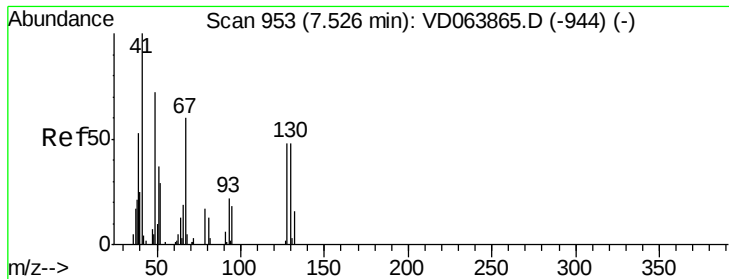
Tgt Ion: 83 Resp: 547662
Ion Ratio Lower Upper
83 100
55 67.9 61.3 91.9
98 52.7 39.3 58.9



#40
Benzene
Concen: 154.803 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

Tgt Ion: 78 Resp: 1367288
Ion Ratio Lower Upper
78 100
77 24.6 19.0 28.6





#41

Methacrylonitrile

Concen: 149.547 ug/l

RT: 7.54 min Scan# 955

Delta R.T. 0.01 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC150

Tgt Ion: 41 Resp: 114988

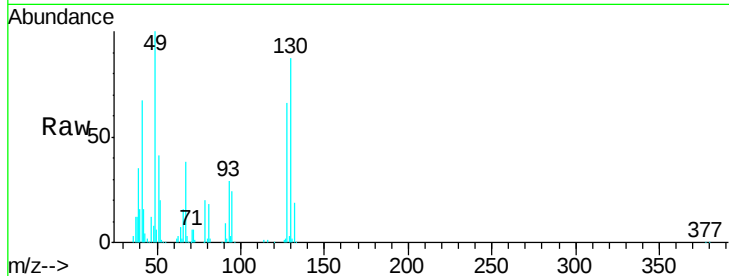
Ion Ratio Lower Upper

41 100

39 47.9 52.6 78.8#

67 74.0 74.2 111.2#

52 32.2 34.0 51.0#

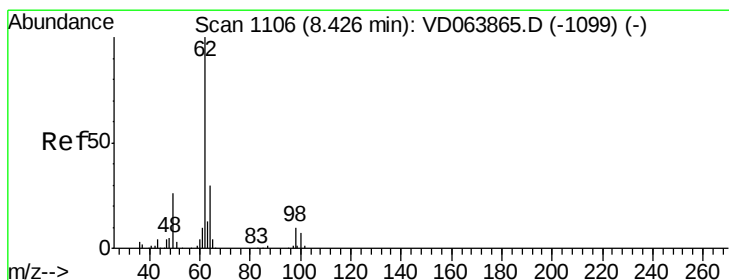
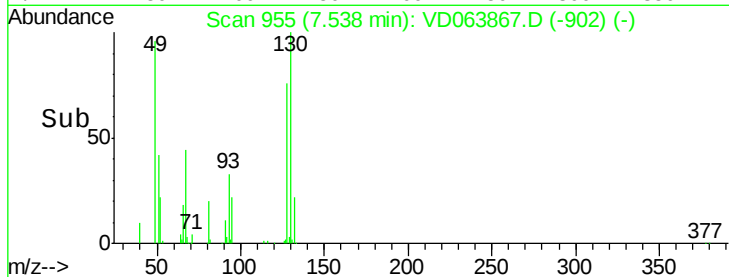
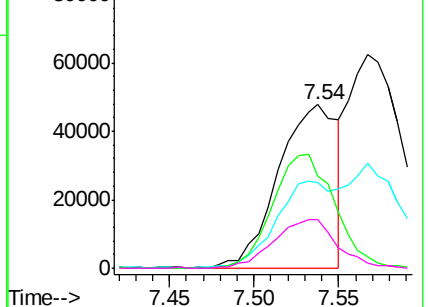


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 152.715 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD063867.D

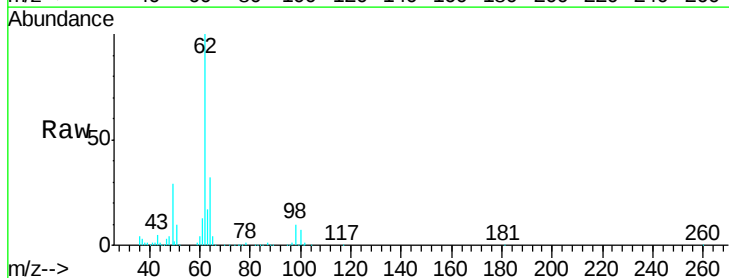
Acq: 02 Oct 2019 18:40

Tgt Ion: 62 Resp: 395136

Ion Ratio Lower Upper

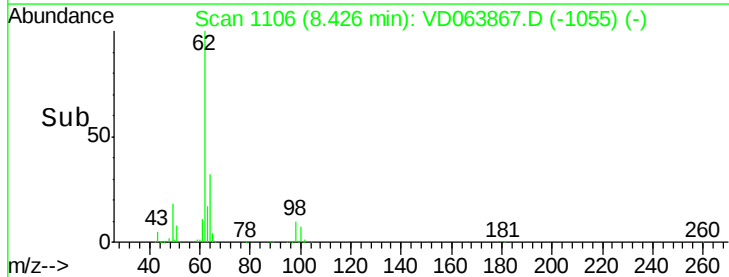
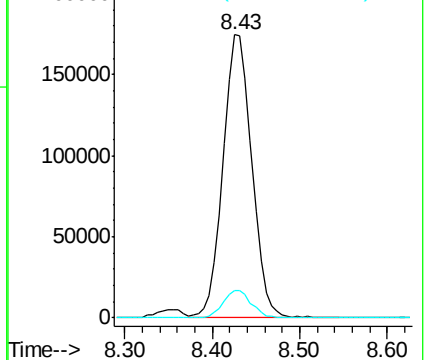
62 100

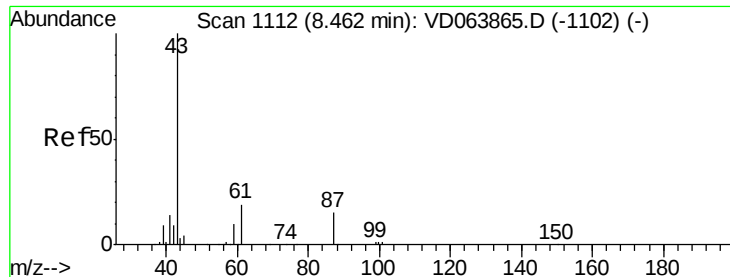
98 9.5 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 143.337 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

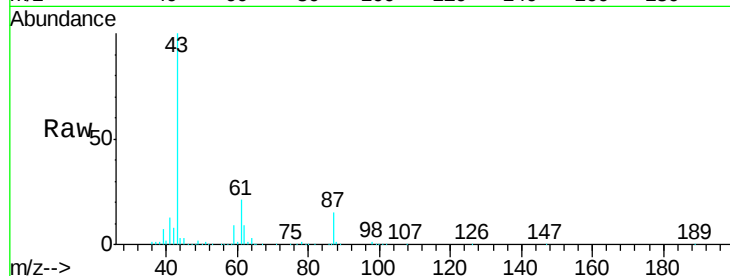
Tgt Ion: 43 Resp: 384560

Ion Ratio Lower Upper

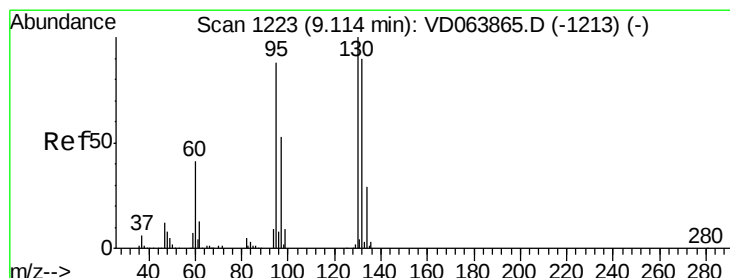
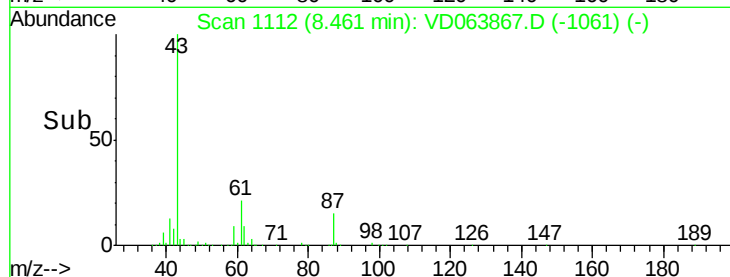
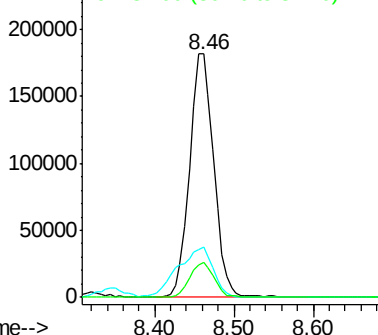
43 100

61 29.8 25.7 38.5

87 14.3 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 156.430 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD063867.D

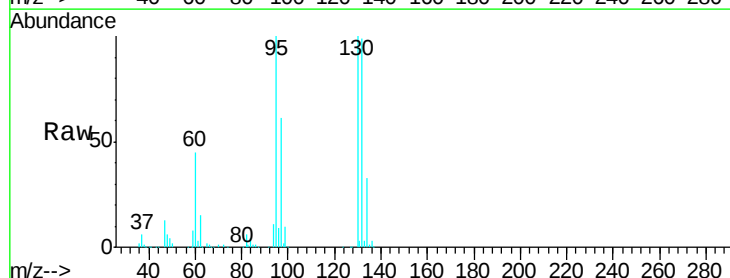
Acq: 02 Oct 2019 18:40

Tgt Ion: 130 Resp: 400893

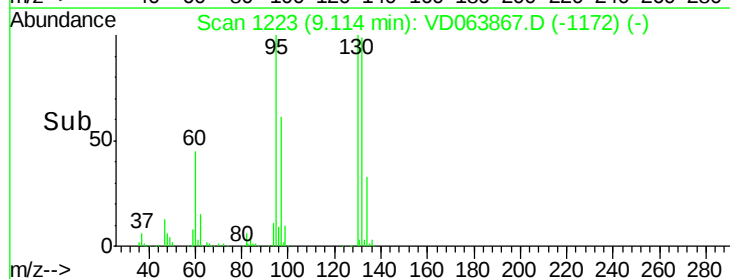
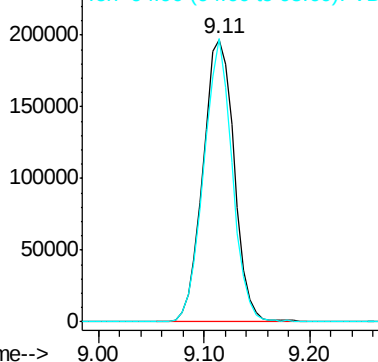
Ion Ratio Lower Upper

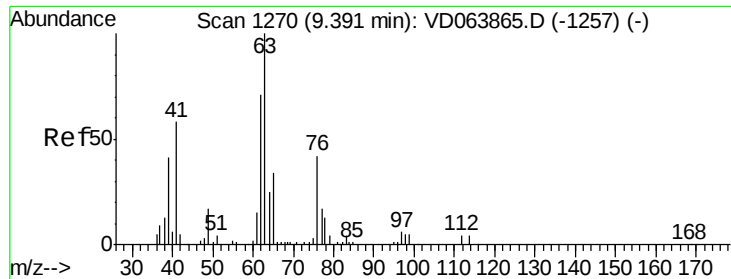
130 100

95 100.1 0.0 175.6



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

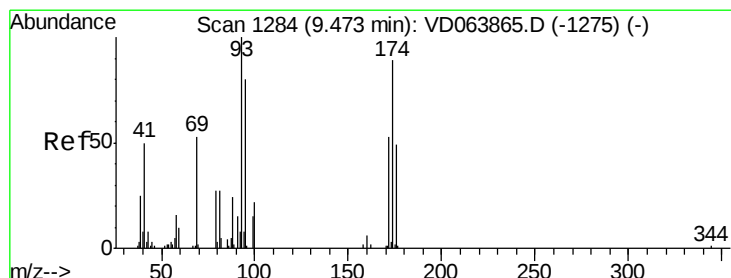
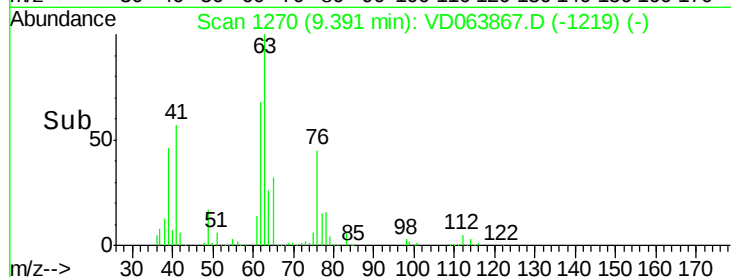
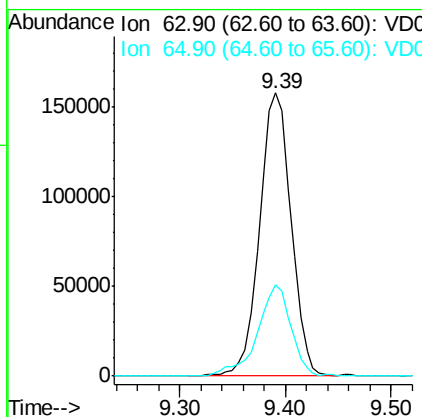
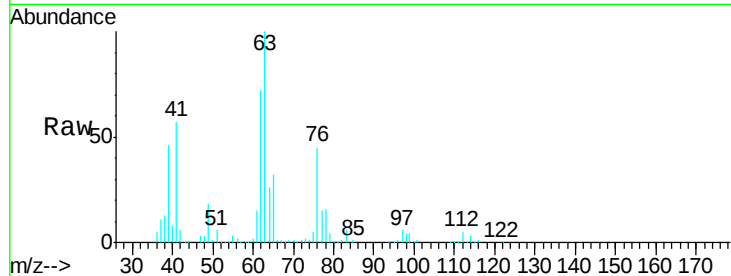




#45
 1,2-Dichloropropane
 Concen: 149.982 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD063867.D
 Acq: 02 Oct 2019 18:40

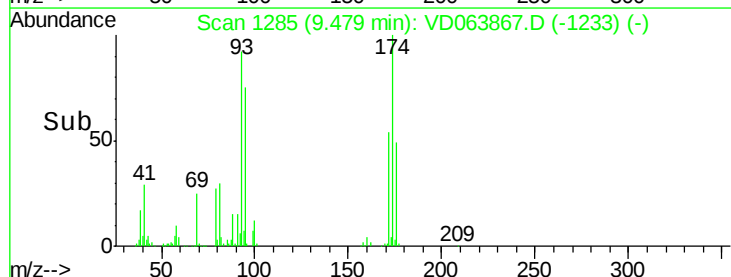
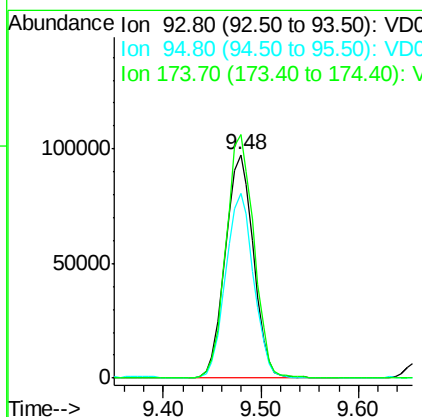
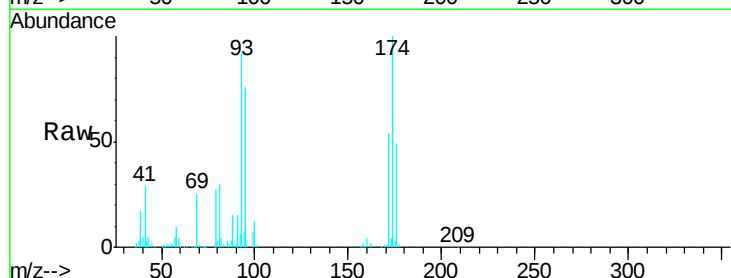
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

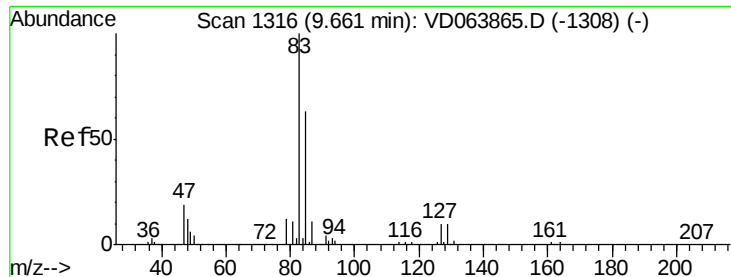
Tgt Ion: 63 Resp: 327730
 Ion Ratio Lower Upper
 63 100
 65 32.4 27.3 40.9



#46
 Dibromomethane
 Concen: 158.283 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VD063867.D
 Acq: 02 Oct 2019 18:40

Tgt Ion: 93 Resp: 195561
 Ion Ratio Lower Upper
 93 100
 95 82.5 66.0 99.0
 174 108.1 83.4 125.0





#47

Bromodichloromethane

Concen: 160.010 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

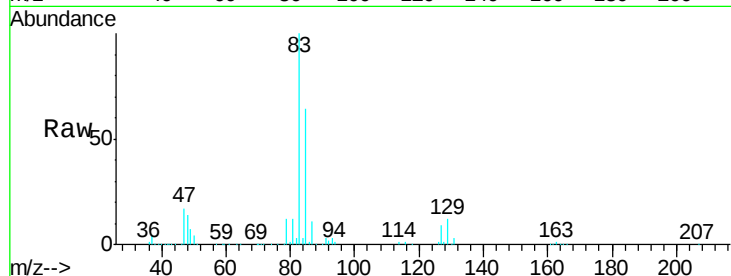
Tgt Ion: 83 Resp: 507781

Ion Ratio Lower Upper

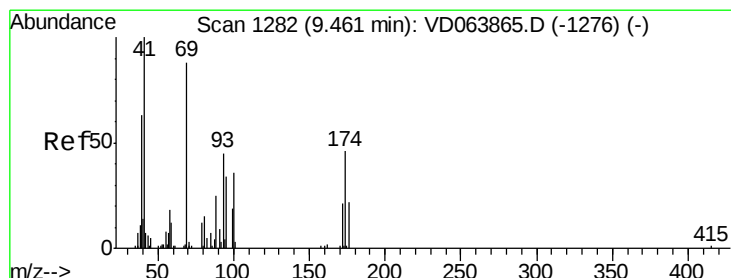
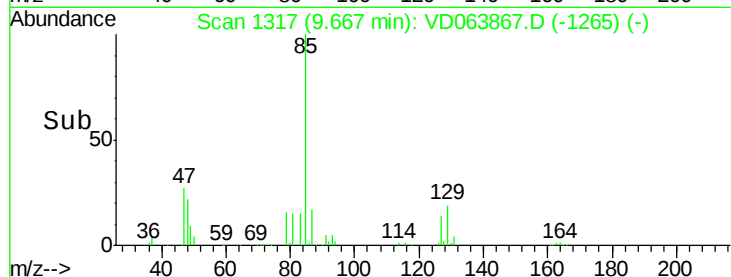
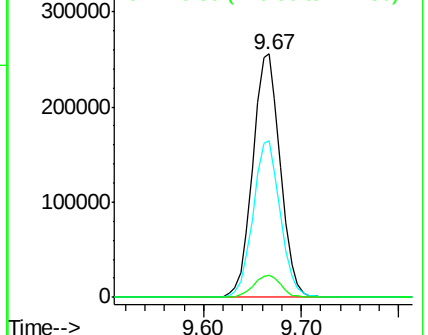
83 100

85 64.3 50.2 75.2

127 9.0 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: 149.745 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

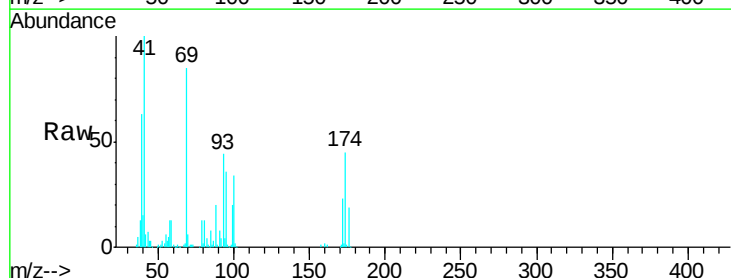
Tgt Ion: 41 Resp: 183127

Ion Ratio Lower Upper

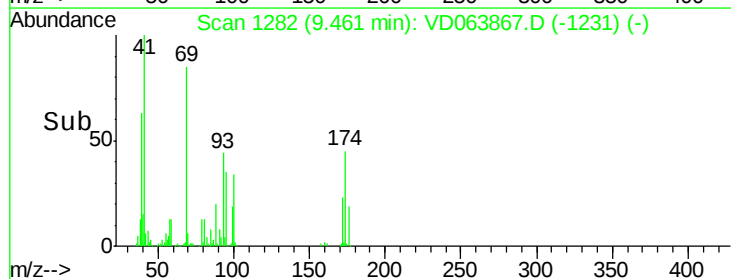
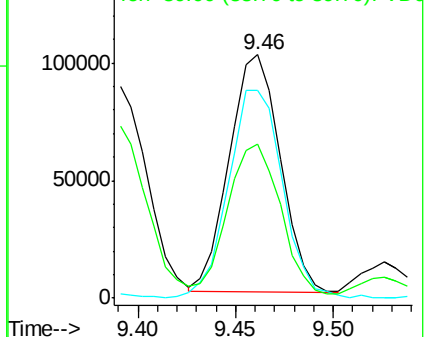
41 100

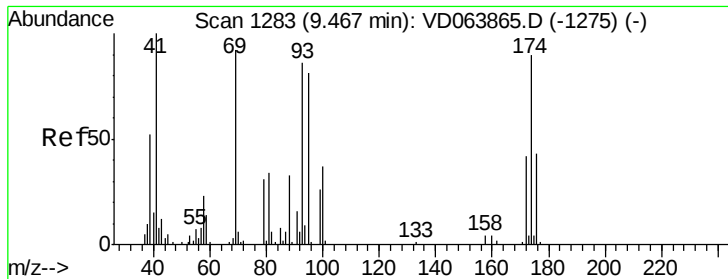
69 92.3 75.1 112.7

39 68.5 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

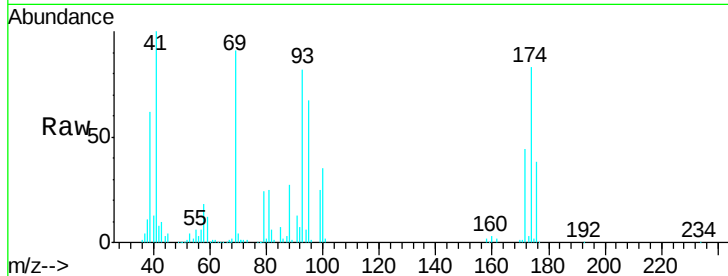




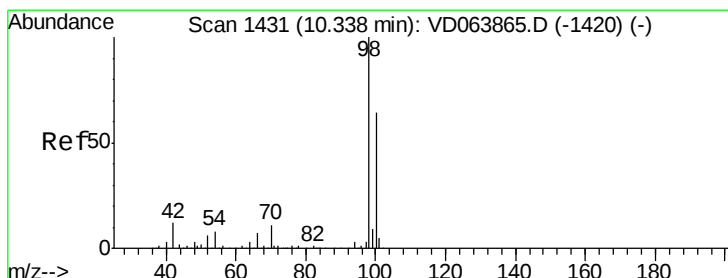
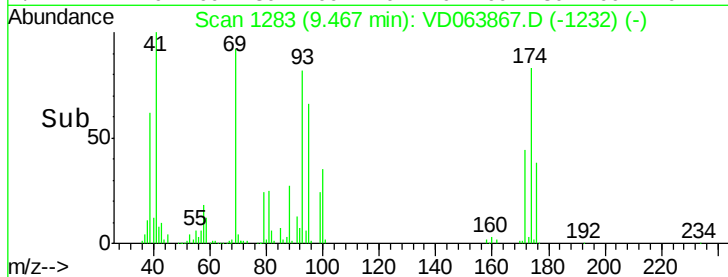
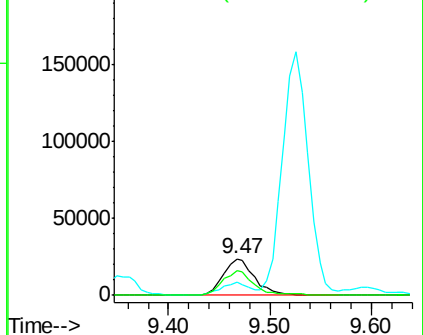
#49
 1,4-Dioxane
 Concen: 2903.840 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VD063867.D
 Acq: 02 Oct 2019 18:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion: 88 Resp: 50818
 Ion Ratio Lower Upper
 88 100
 43 35.3 27.6 41.4
 58 68.1 54.1 81.1

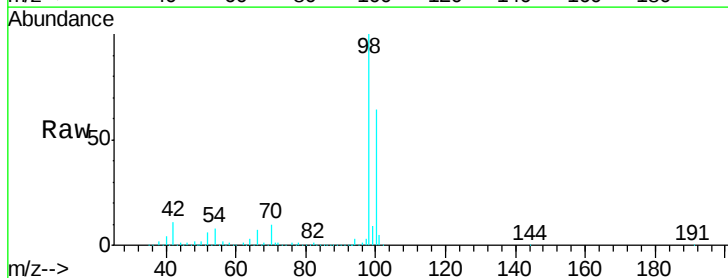


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

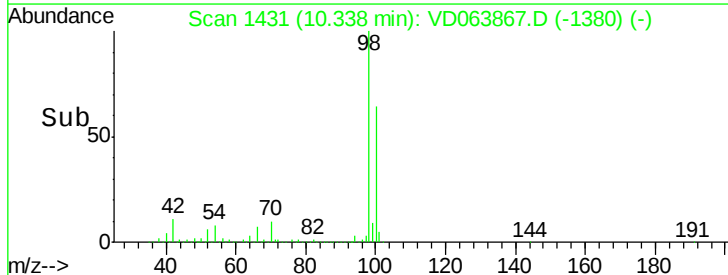
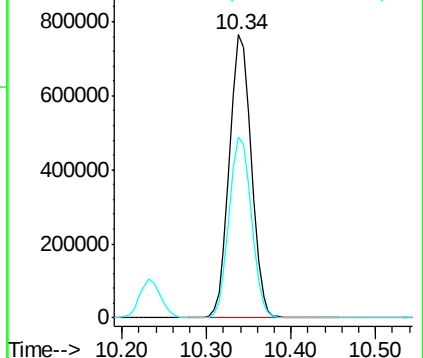


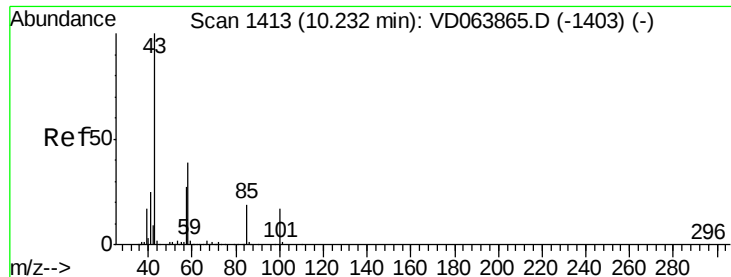
#50
 Toluene-d8
 Concen: 162.954 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. -0.00 min
 Lab File: VD063867.D
 Acq: 02 Oct 2019 18:40

Tgt Ion: 98 Resp: 1367139
 Ion Ratio Lower Upper
 98 100
 100 65.0 52.1 78.1



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

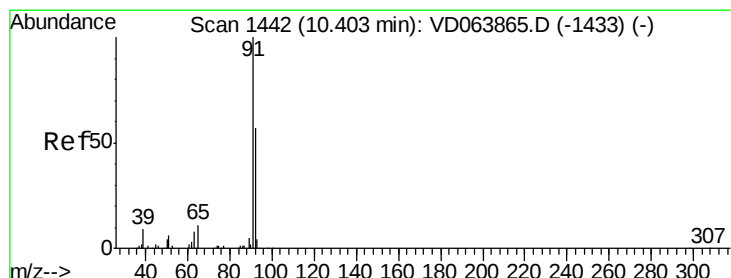
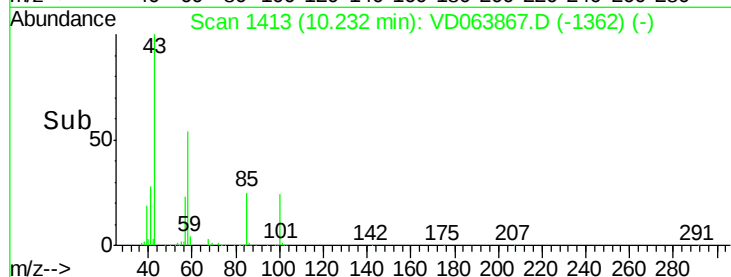
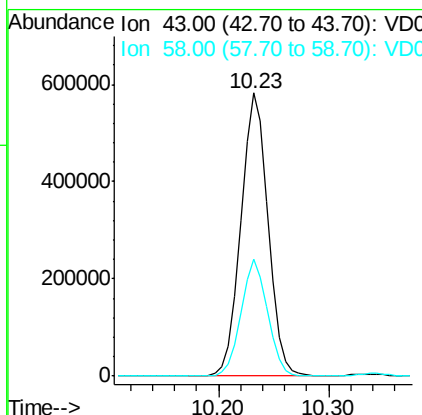
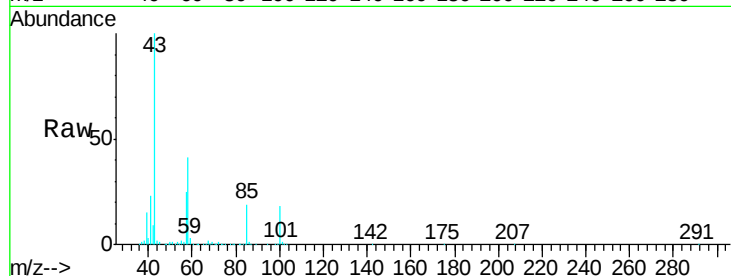




#51
 4-Methyl-2-Pentanone
 Concen: 740.746 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VD063867.D
 Acq: 02 Oct 2019 18:40

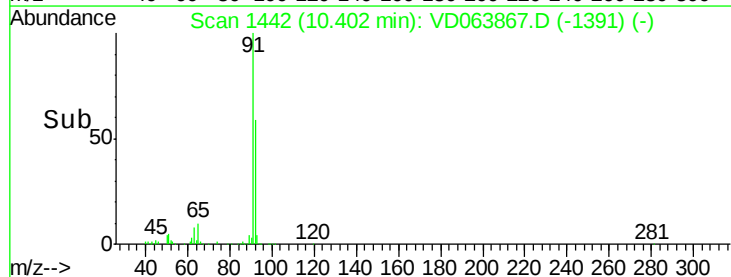
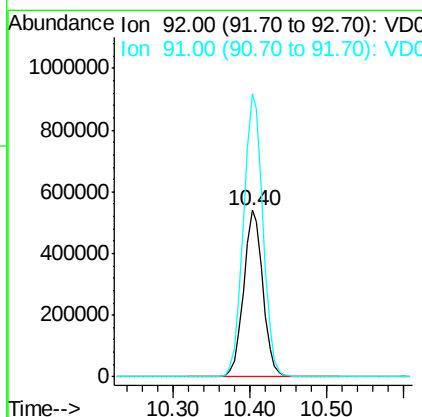
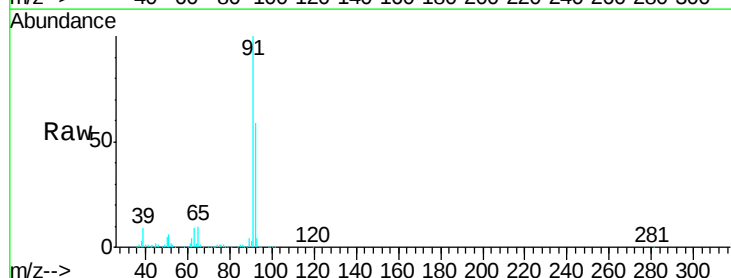
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

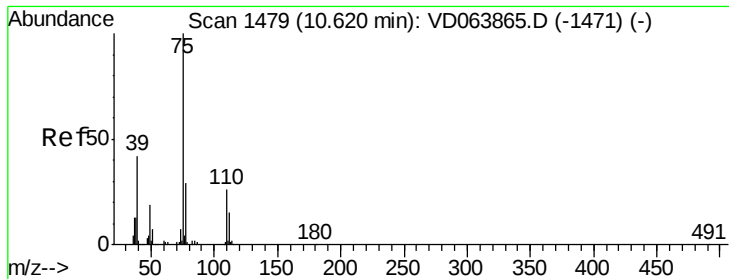
Tgt Ion: 43 Resp: 1007925
 Ion Ratio Lower Upper
 43 100
 58 40.4 33.0 49.4



#52
 Toluene
 Concen: 157.158 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VD063867.D
 Acq: 02 Oct 2019 18:40

Tgt Ion: 92 Resp: 943306
 Ion Ratio Lower Upper
 92 100
 91 172.8 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 159.752 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Instrument :

MSVOA_D

ClientSampleId :

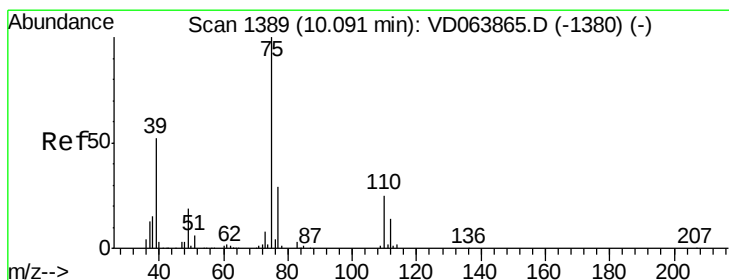
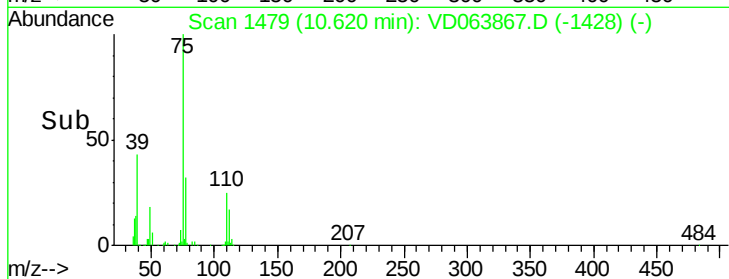
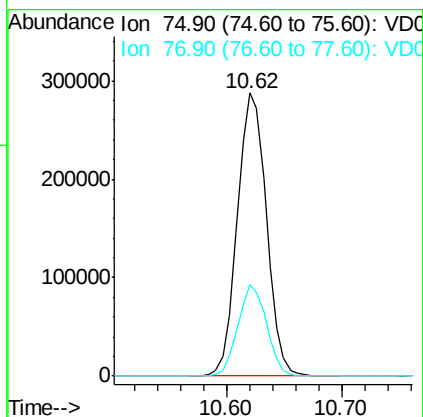
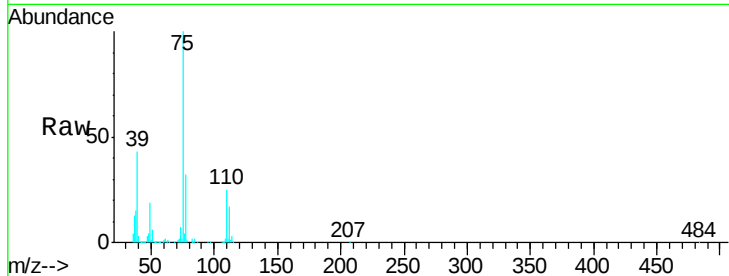
VSTDIC150

Tgt Ion: 75 Resp: 502862

Ion Ratio Lower Upper

75 100

77 32.0 22.8 34.2



#54

cis-1,3-Dichloropropene

Concen: 161.523 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

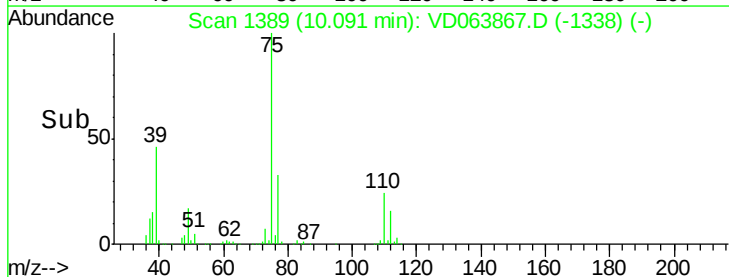
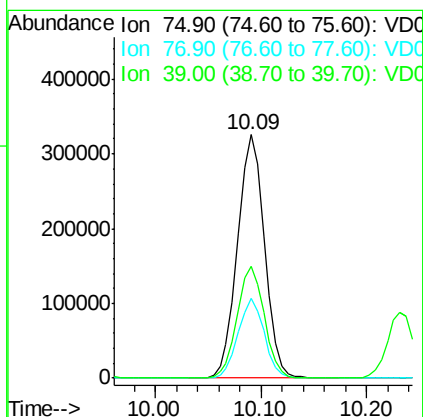
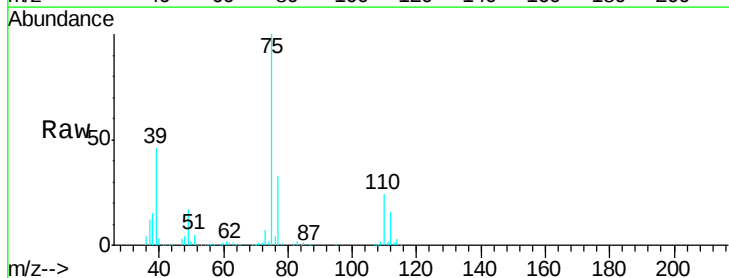
Tgt Ion: 75 Resp: 575772

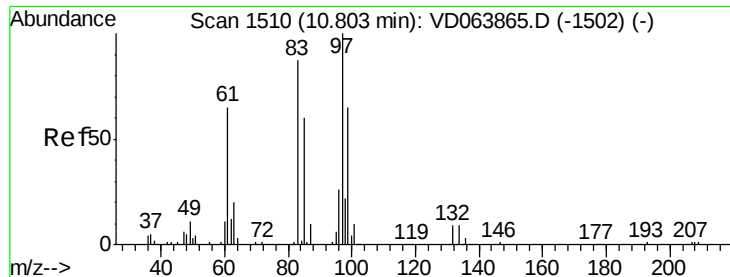
Ion Ratio Lower Upper

75 100

77 32.9 23.2 34.8

39 46.1 41.5 62.3

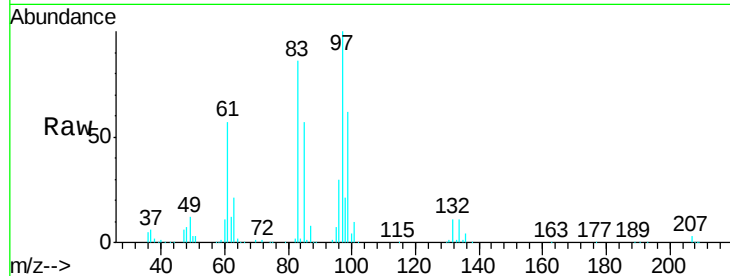




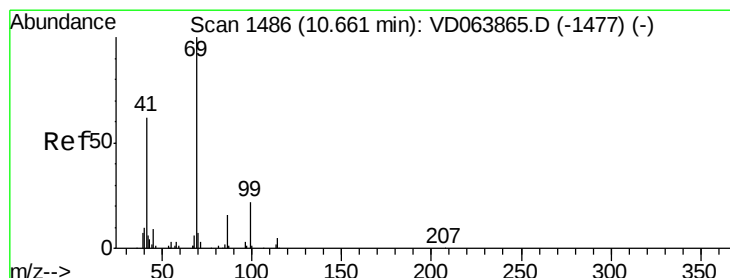
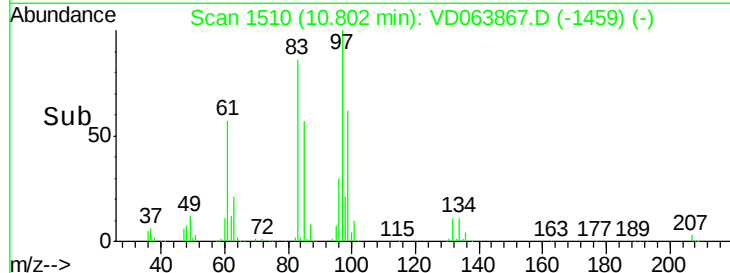
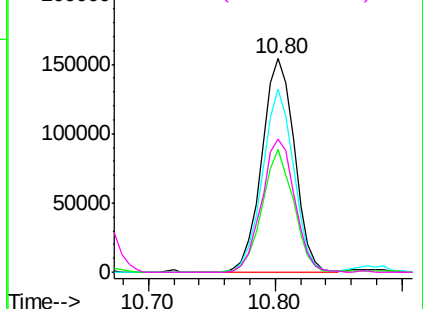
#55
 1,1,2-Trichloroethane
 Concen: 159.103 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD063867.D
 Acq: 02 Oct 2019 18:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion: 97 Resp: 276747
 Ion Ratio Lower Upper
 97 100
 83 85.6 69.7 104.5
 85 57.4 48.1 72.1
 99 62.2 51.9 77.9

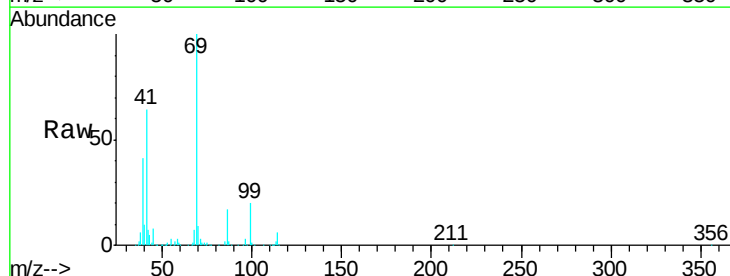


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

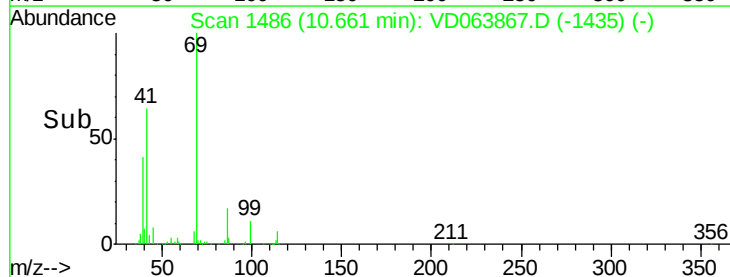
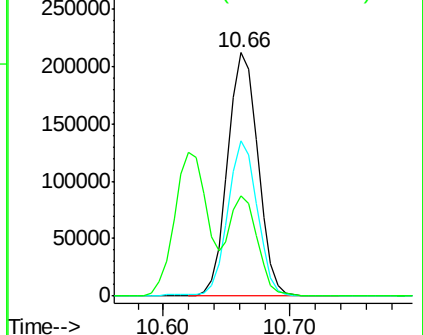


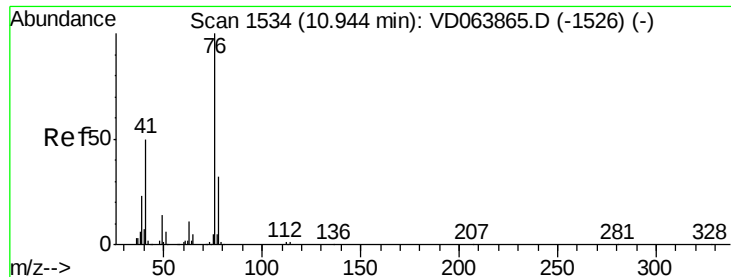
#56
 Ethyl methacrylate
 Concen: 158.724 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD063867.D
 Acq: 02 Oct 2019 18:40

Tgt Ion: 69 Resp: 352033
 Ion Ratio Lower Upper
 69 100
 41 61.3 51.3 76.9
 39 38.6 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: 156.676 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Instrument :

MSVOA_D

ClientSampleId :

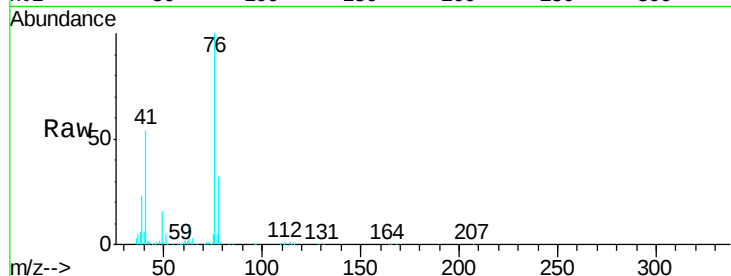
VSTDIC150

Tgt Ion: 76 Resp: 466172

Ion Ratio Lower Upper

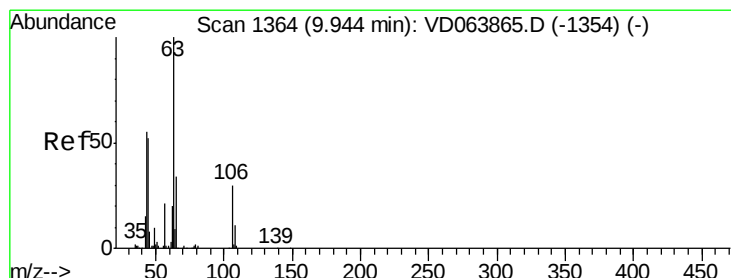
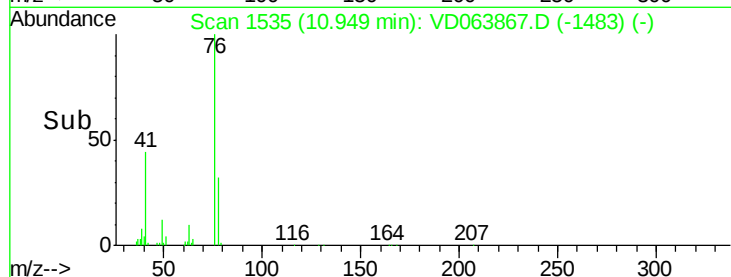
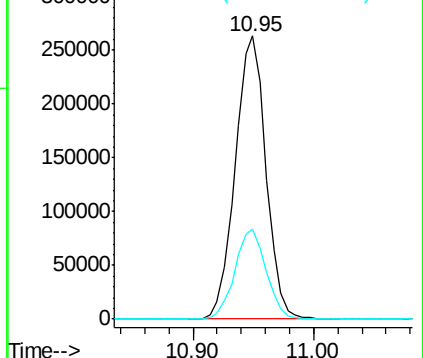
76 100

78 32.5 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: 698.147 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD063867.D

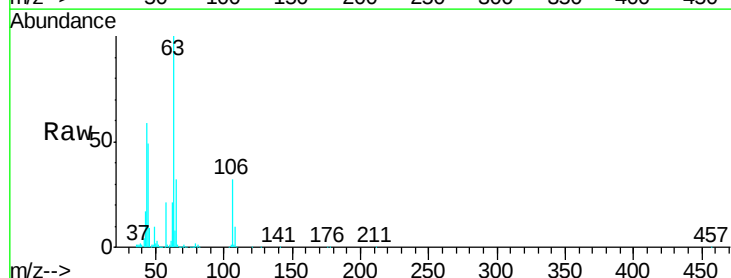
Acq: 02 Oct 2019 18:40

Tgt Ion: 63 Resp: 691772

Ion Ratio Lower Upper

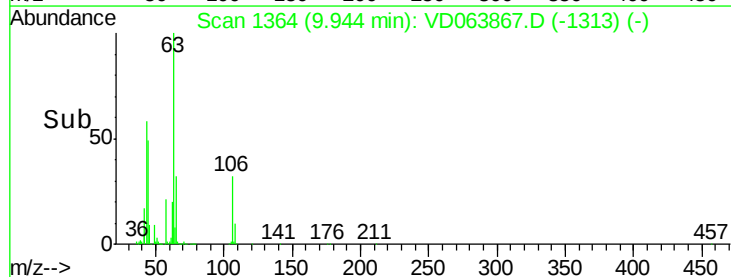
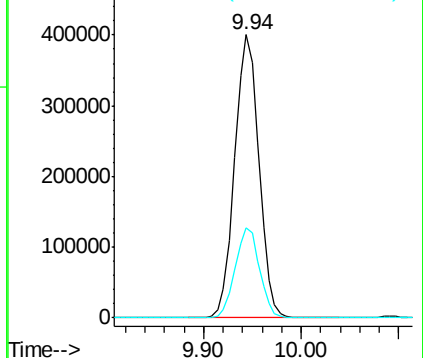
63 100

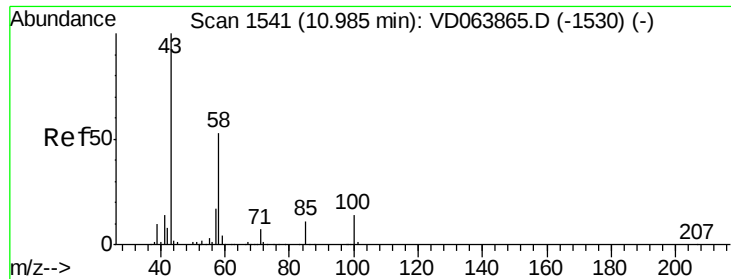
106 32.1 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

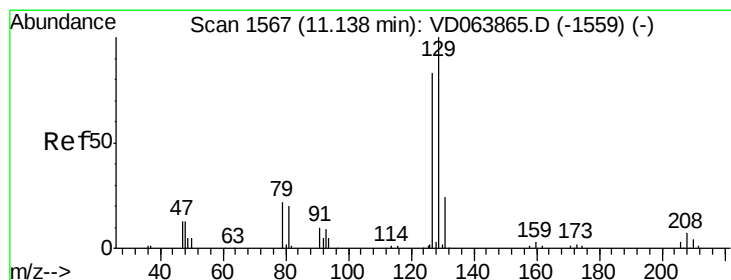
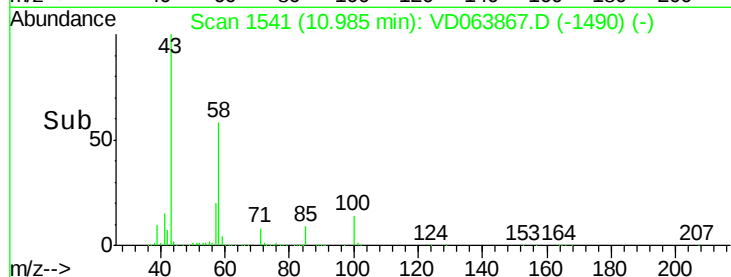
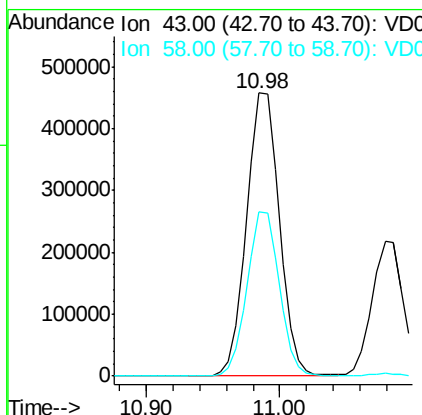
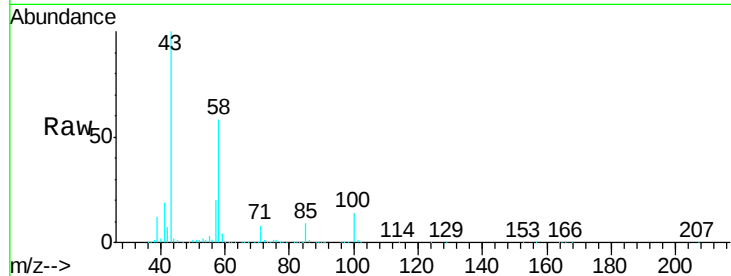




#59
2-Hexanone
Concen: 788.126 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

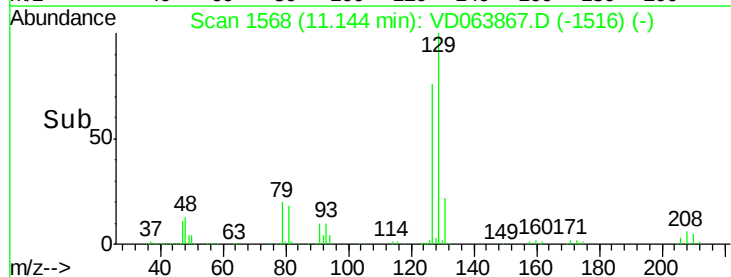
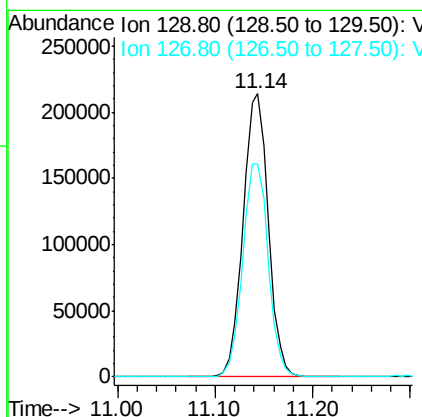
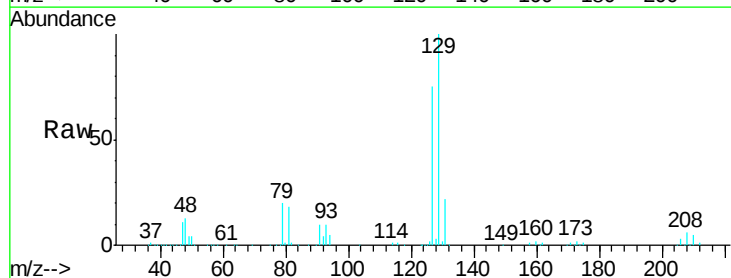
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

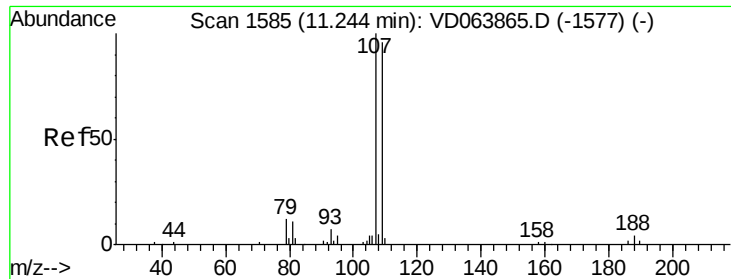
Tgt Ion: 43 Resp: 777705
Ion Ratio Lower Upper
43 100
58 57.0 27.7 83.0



#60
Dibromochloromethane
Concen: 168.639 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

Tgt Ion: 129 Resp: 387544
Ion Ratio Lower Upper
129 100
127 76.5 39.9 119.6

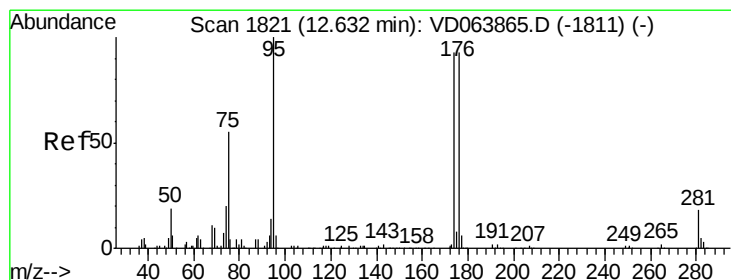
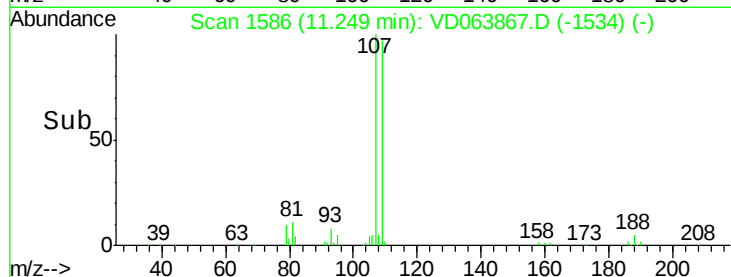
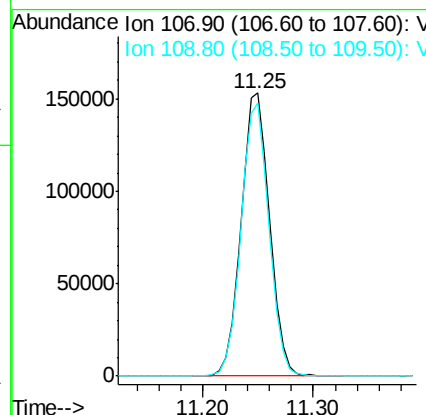
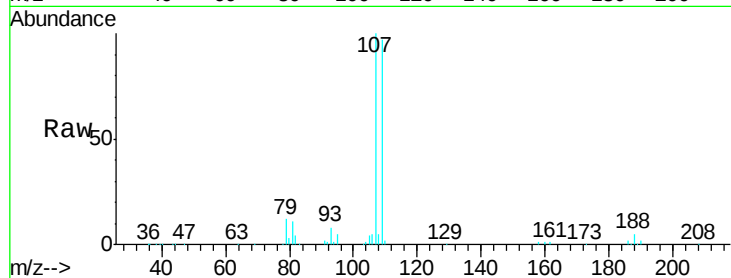




#61
 1,2-Dibromoethane
 Concen: 158.830 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD063867.D
 Acq: 02 Oct 2019 18:40

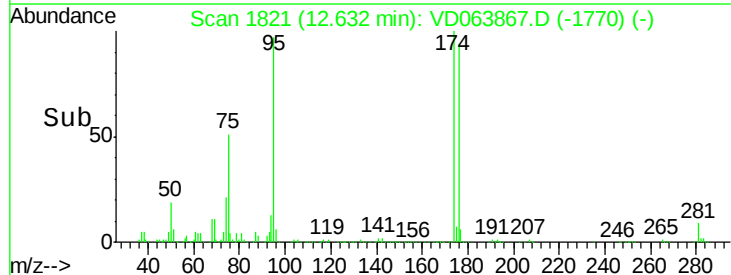
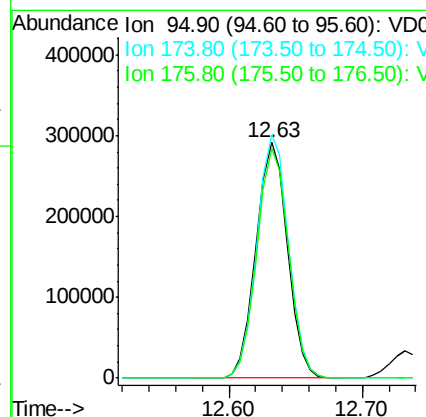
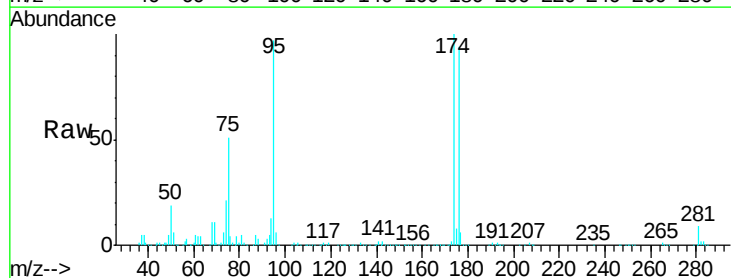
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

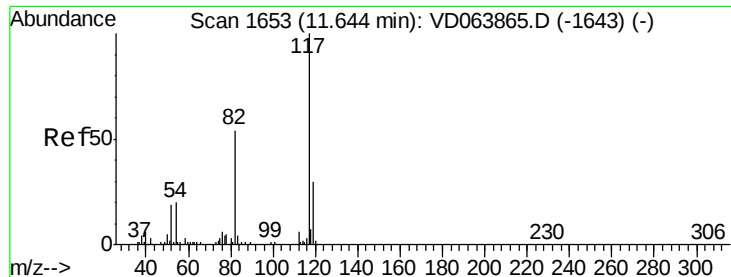
Tgt Ion: 107 Resp: 277194
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 156.501 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063867.D
 Acq: 02 Oct 2019 18:40

Tgt Ion: 95 Resp: 473135
 Ion Ratio Lower Upper
 95 100
 174 103.5 0.0 186.4
 176 98.1 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: VD063867.D

Acq: 02 Oct 2019 18:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

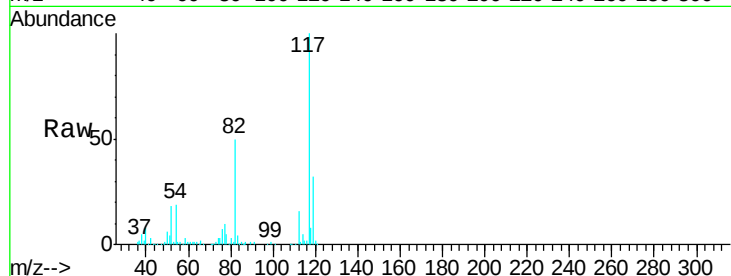
Tgt Ion:117 Resp: 362353

Ion Ratio Lower Upper

117 100

82 49.9 42.8 64.2

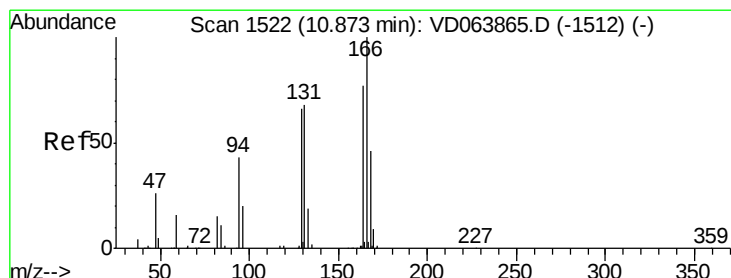
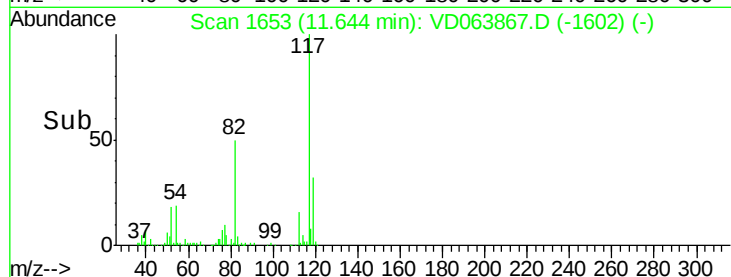
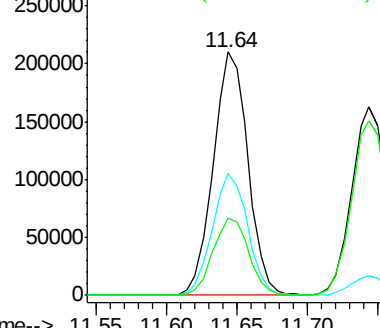
119 31.9 24.4 36.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 156.531 ug/l

RT: 10.87 min Scan# 1522

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Tgt Ion:164 Resp: 378493

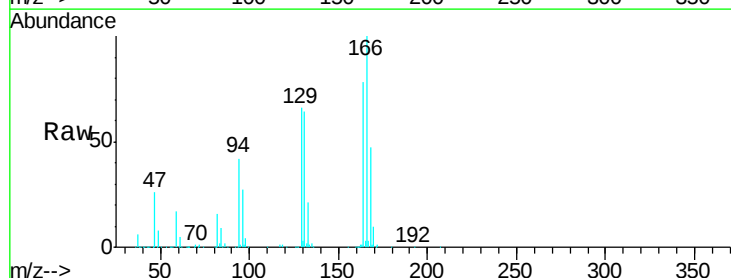
Ion Ratio Lower Upper

164 100

166 127.9 103.8 155.6

129 84.4 68.9 103.3

131 81.7 70.9 106.3

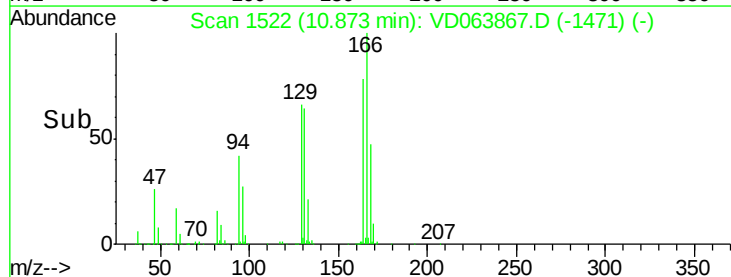
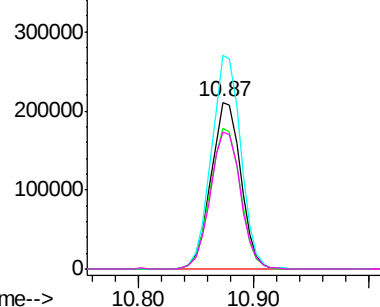


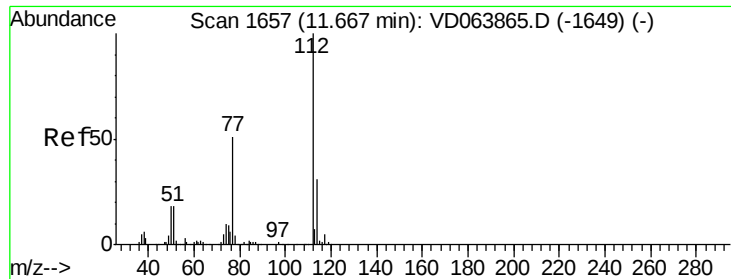
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

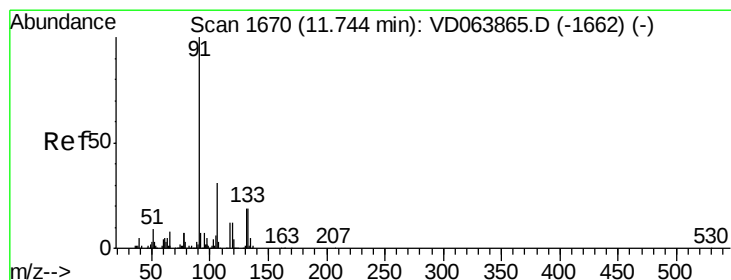
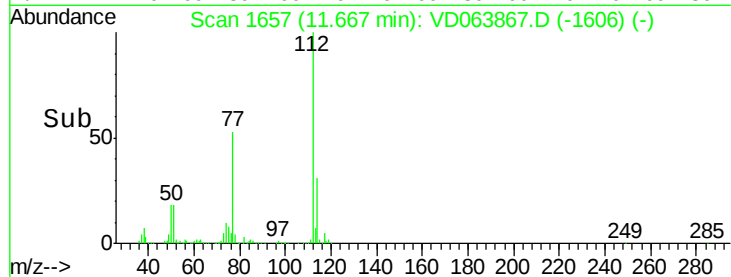
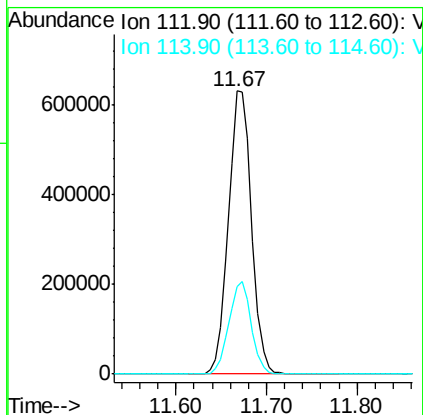
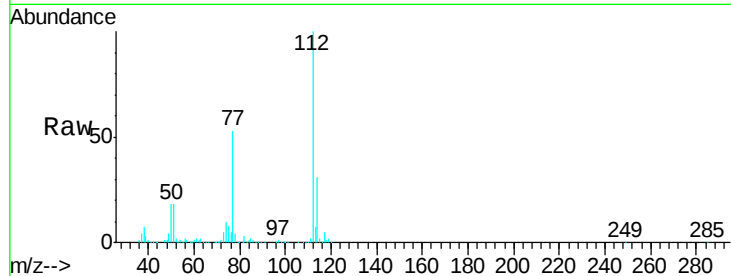




#65
Chlorobenzene
Concen: 153.923 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

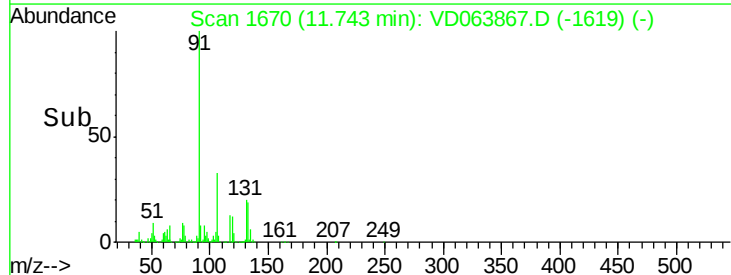
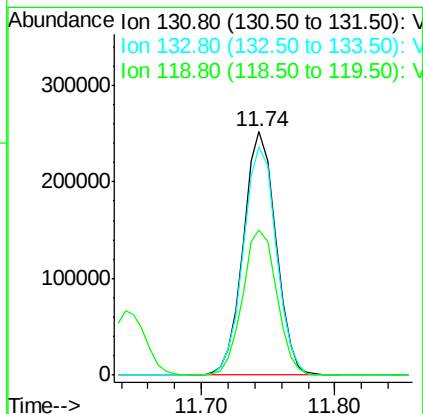
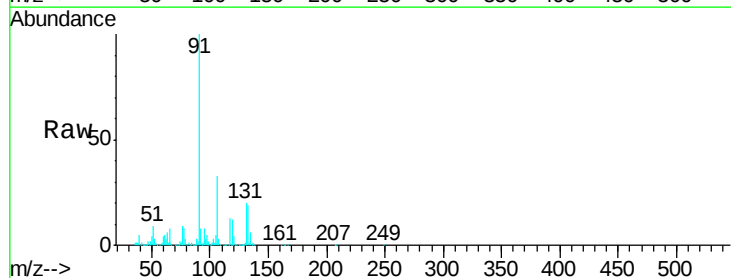
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

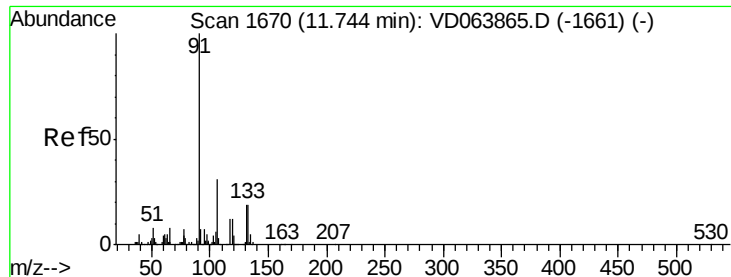
Tgt Ion:112 Resp: 1115973
Ion Ratio Lower Upper
112 100
114 30.9 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 159.748 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

Tgt Ion:131 Resp: 424941
Ion Ratio Lower Upper
131 100
133 94.9 48.9 146.7
119 62.2 32.6 97.8





#67

Ethyl Benzene

Concen: 152.971 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Instrument :

MSVOA_D

ClientSampleId :

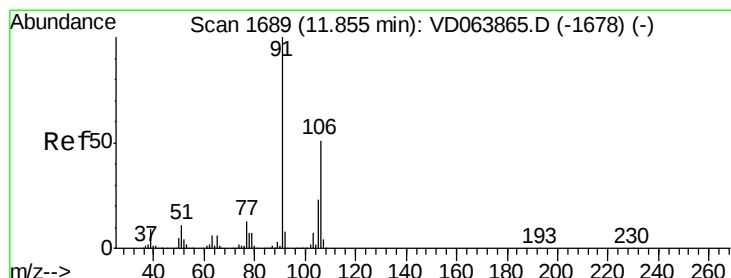
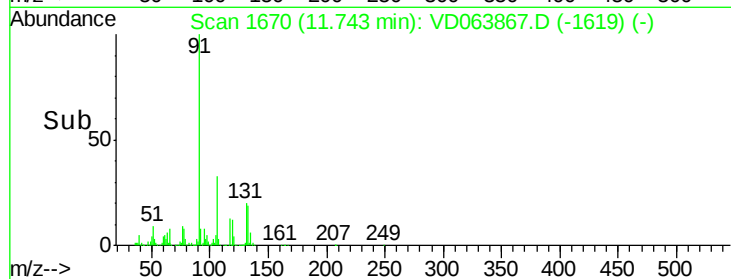
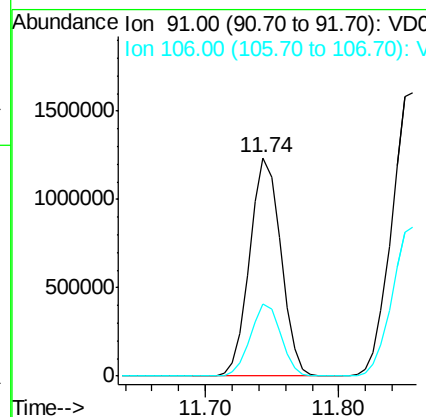
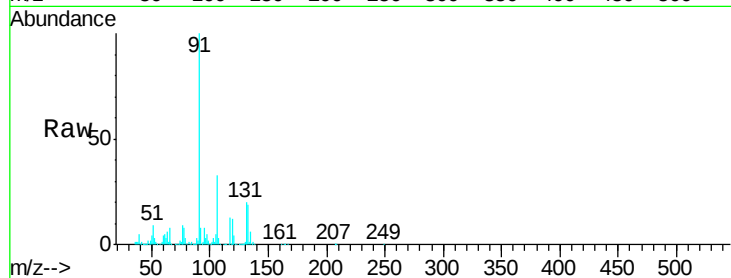
VSTDIC150

Tgt Ion: 91 Resp: 1993180

Ion Ratio Lower Upper

91 100

106 32.8 24.6 37.0



#68

m/p-Xylenes

Concen: 311.229 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD063867.D

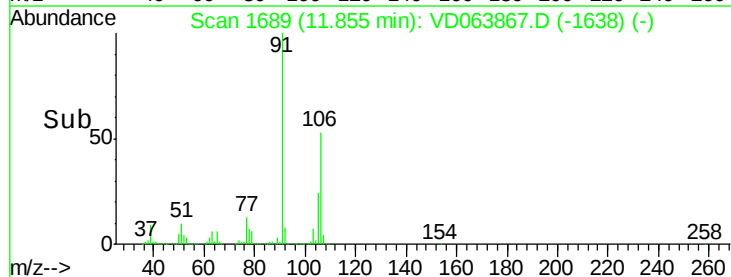
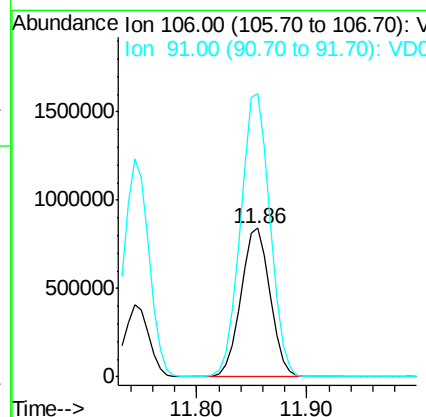
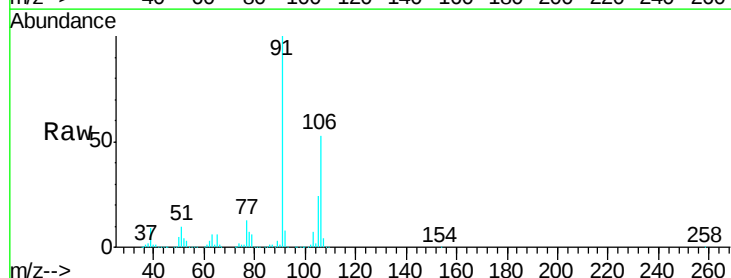
Acq: 02 Oct 2019 18:40

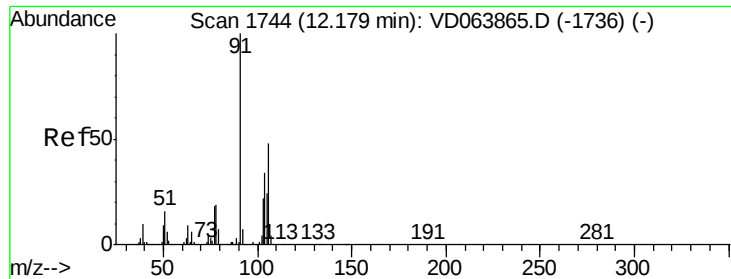
Tgt Ion: 106 Resp: 1565056

Ion Ratio Lower Upper

106 100

91 192.5 154.8 232.2

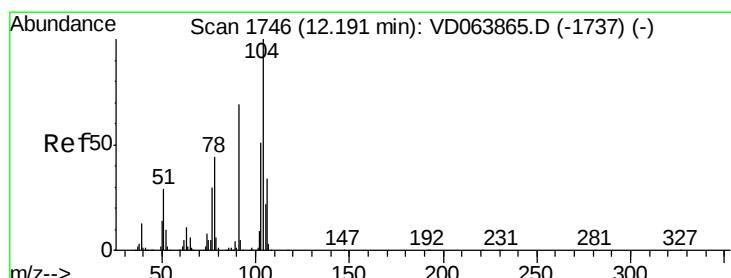
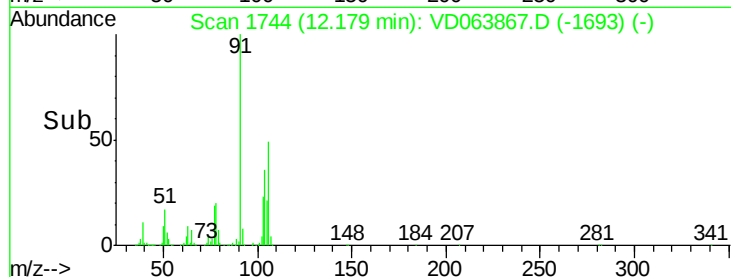
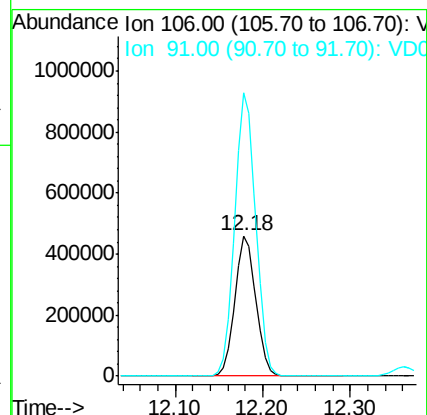
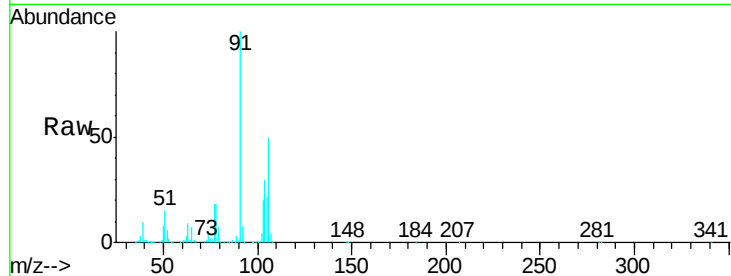




#69
o-Xylene
Concen: 157.412 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

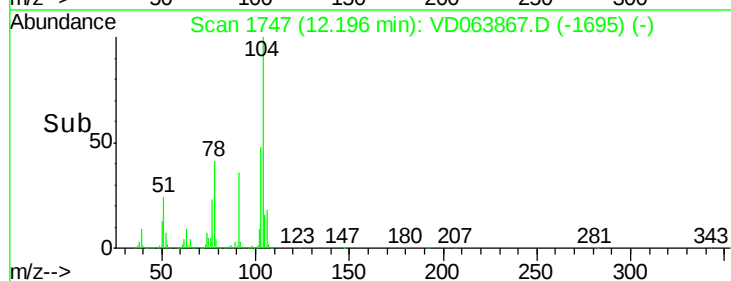
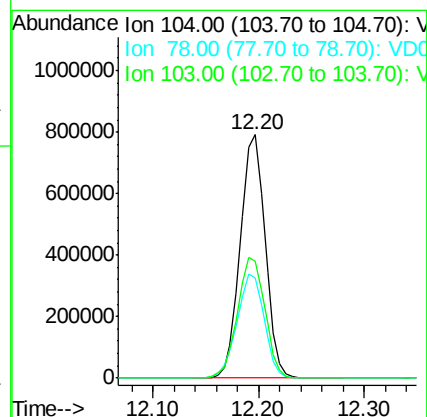
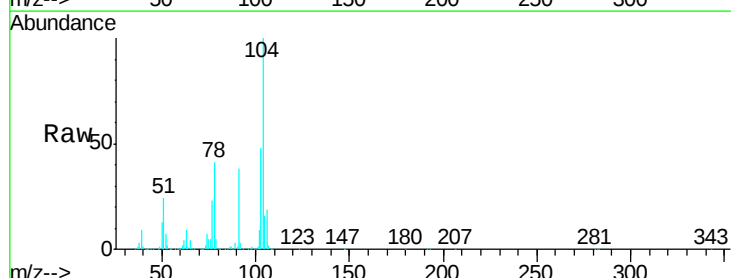
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

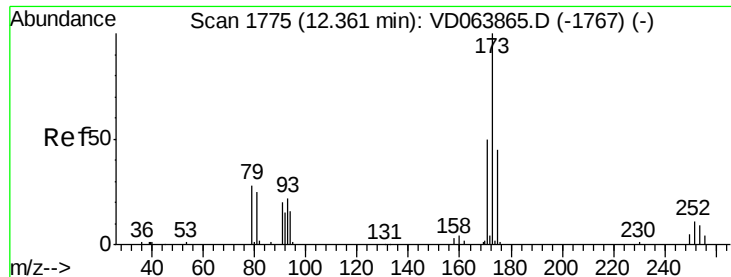
Tgt Ion:106 Resp: 745055
Ion Ratio Lower Upper
106 100
91 202.9 103.9 311.7



#70
Styrene
Concen: 160.800 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

Tgt Ion:104 Resp: 1292769
Ion Ratio Lower Upper
104 100
78 46.3 37.0 55.4
103 54.3 44.2 66.4





#71

Bromoform

Concen: 163.743 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

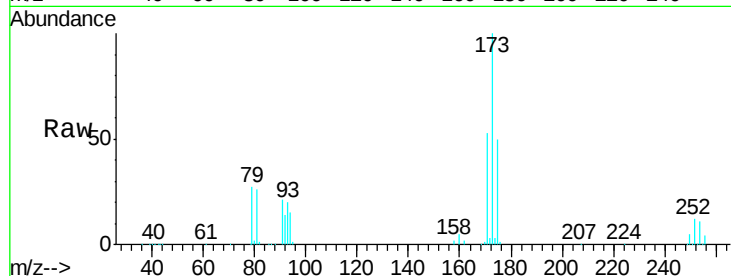
Tgt Ion:173 Resp: 240884

Ion Ratio Lower Upper

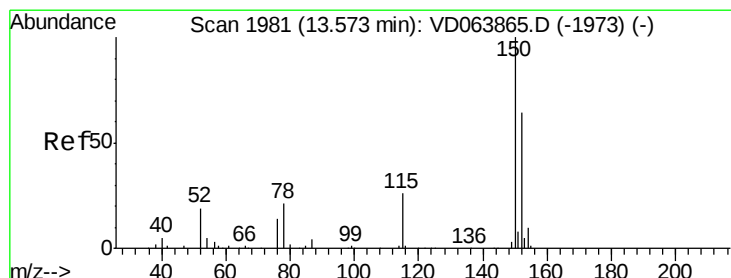
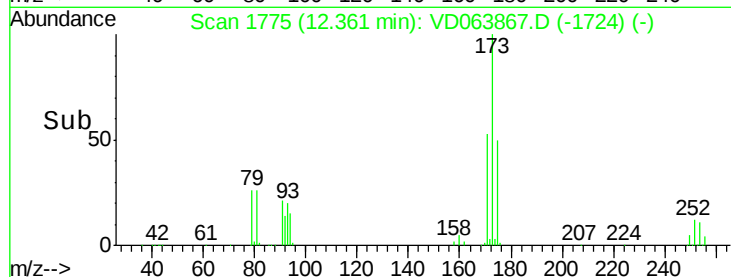
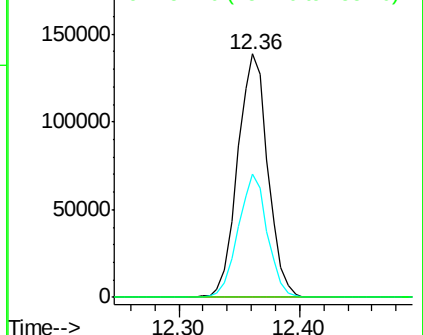
173 100

175 49.0 24.6 74.0

254 0.1 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: 13.57 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

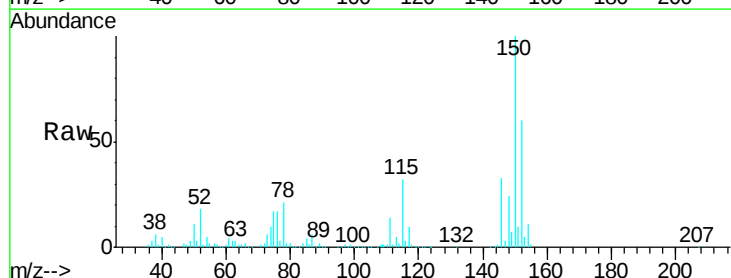
Tgt Ion:152 Resp: 190963

Ion Ratio Lower Upper

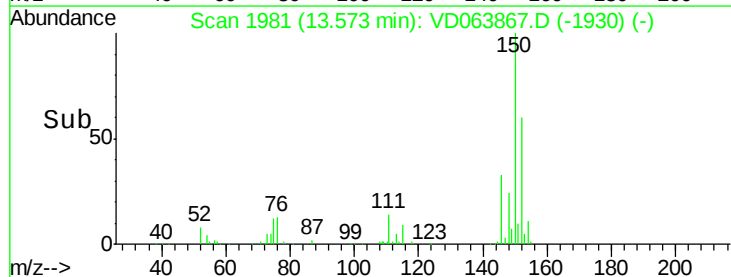
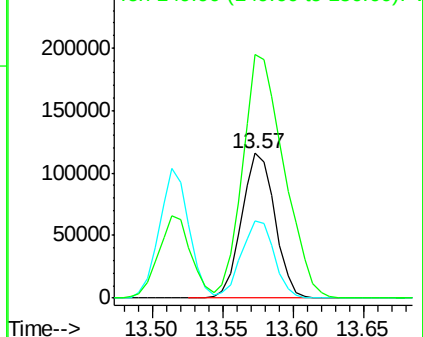
152 100

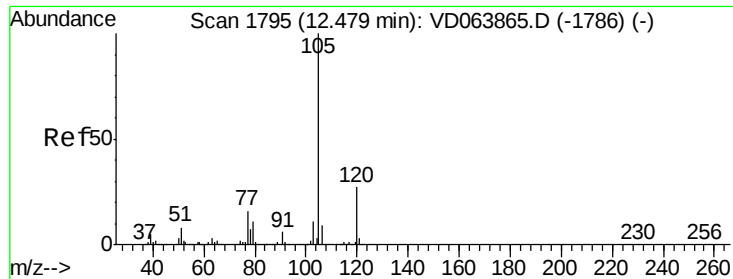
115 52.8 25.9 77.7

150 208.6 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: 149.631 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Instrument :

MSVOA_D

ClientSampleId :

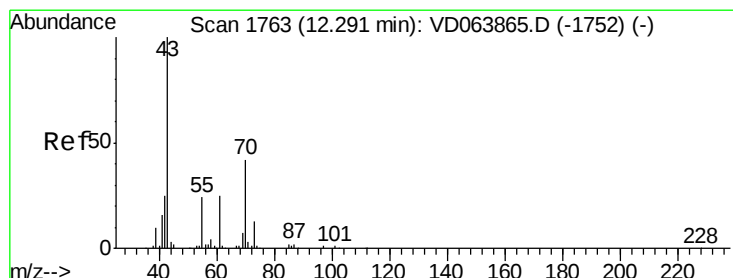
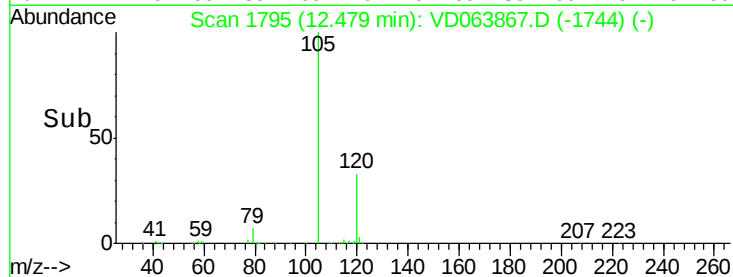
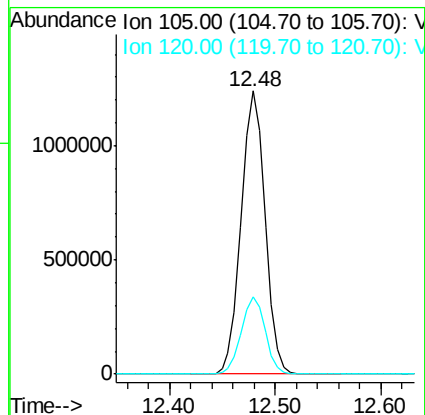
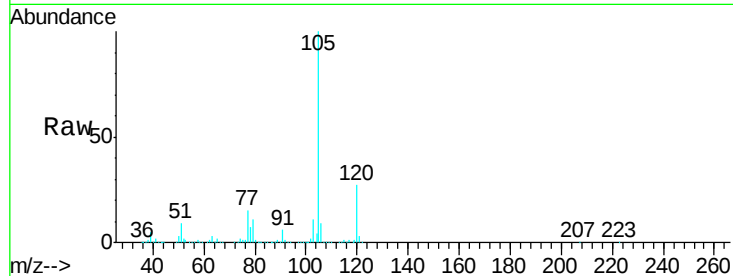
VSTDIC150

Tgt Ion:105 Resp: 1932715

Ion Ratio Lower Upper

105 100

120 27.4 13.3 39.8



#74

N-ethyl acetate

Concen: 140.190 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Tgt Ion: 43 Resp: 397632

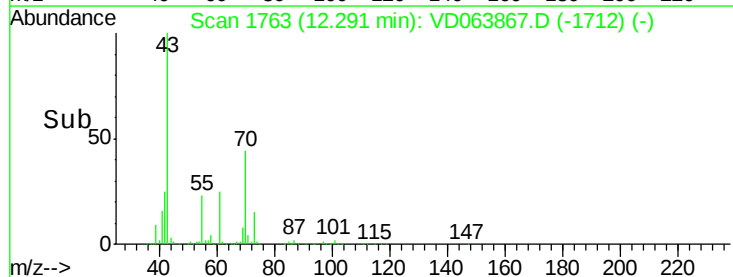
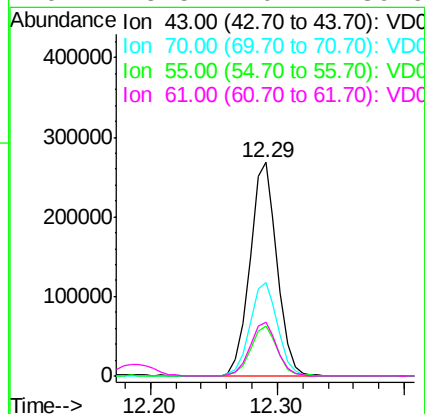
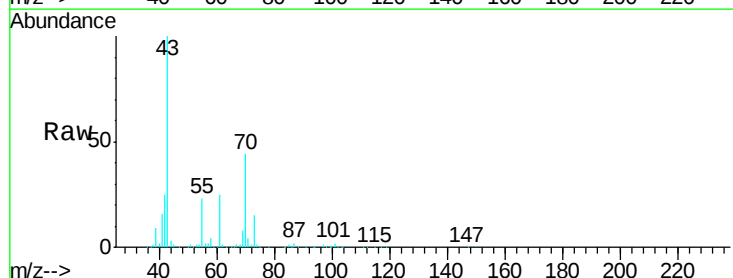
Ion Ratio Lower Upper

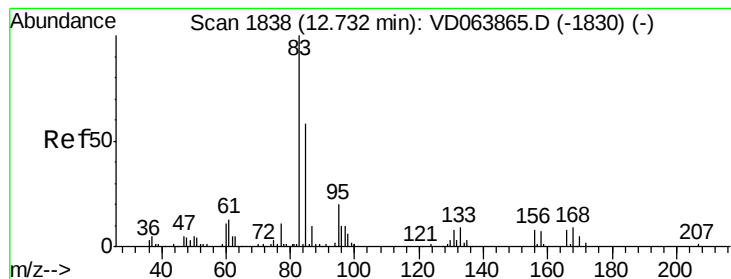
43 100

70 44.7 35.8 53.6

55 23.2 19.4 29.0

61 25.5 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 145.889 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

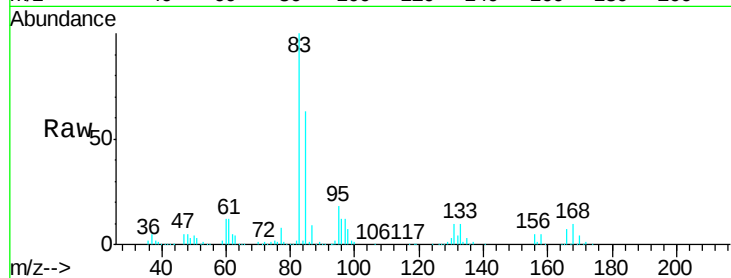
Tgt Ion: 83 Resp: 315361

Ion Ratio Lower Upper

83 100

131 11.5 5.6 16.8

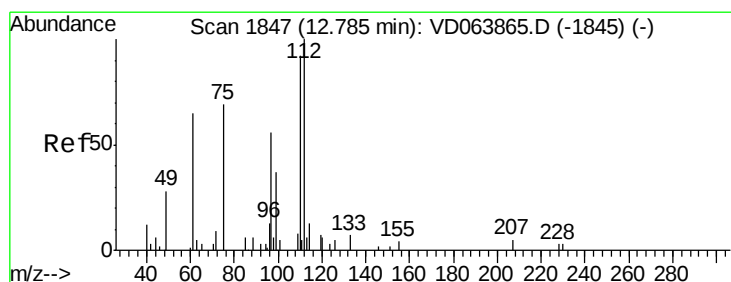
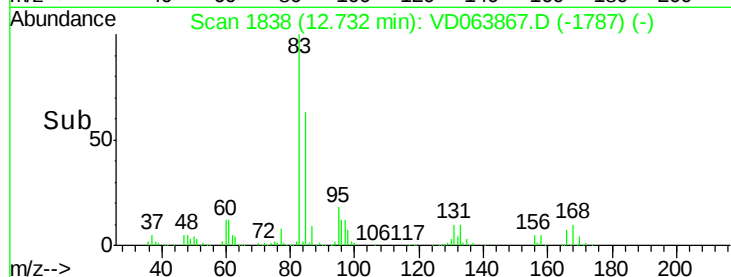
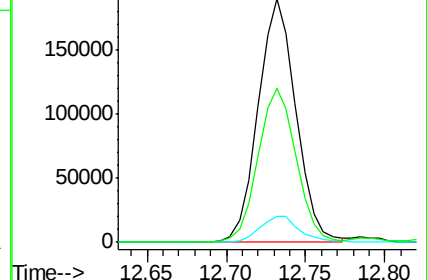
85 63.7 32.3 96.8



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: 284.918 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD063867.D

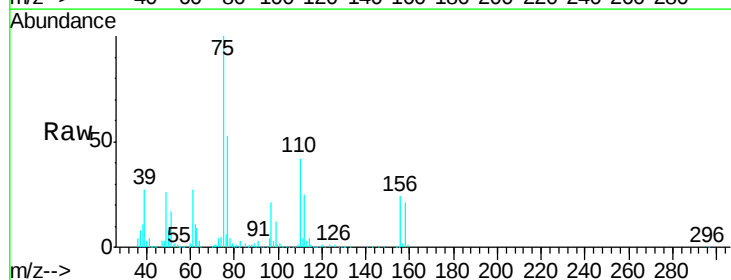
Acq: 02 Oct 2019 18:40

Tgt Ion: 75 Resp: 410312

Ion Ratio Lower Upper

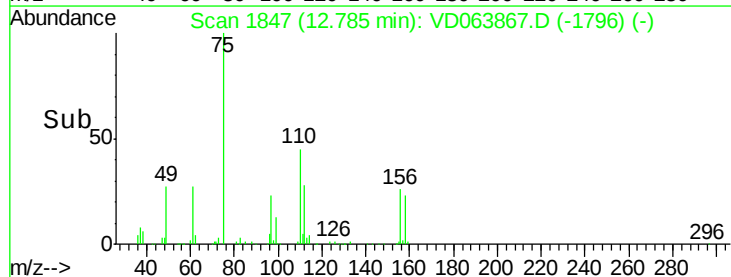
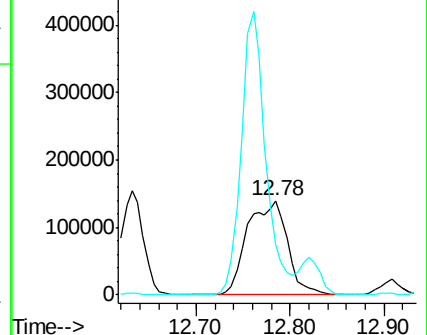
75 100

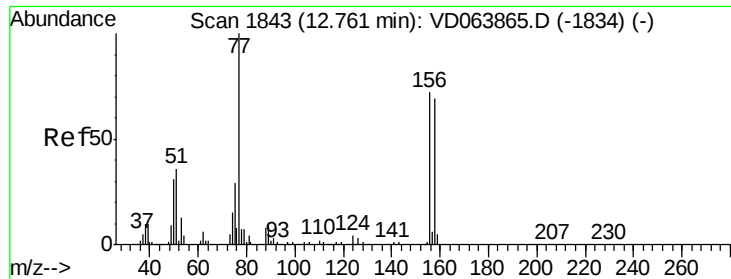
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 162.986 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

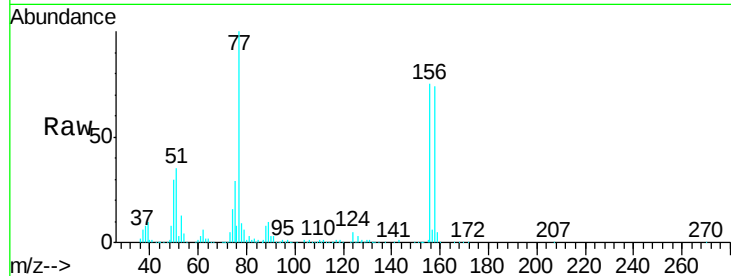
Tgt Ion:156 Resp: 508686

Ion Ratio Lower Upper

156 100

77 148.5 80.3 241.0

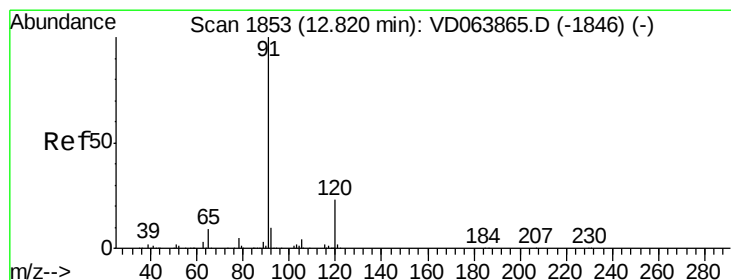
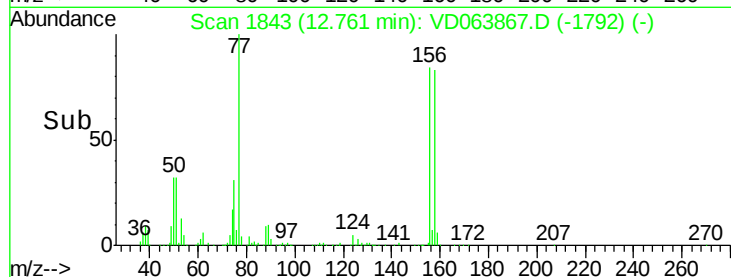
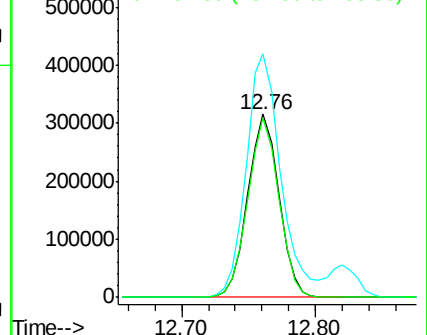
158 97.5 47.4 142.2



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: 147.400 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD063867.D

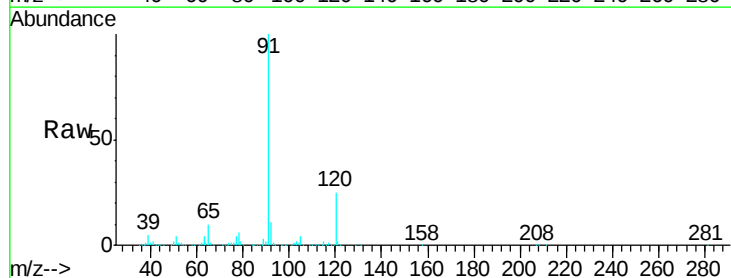
Acq: 02 Oct 2019 18:40

Tgt Ion: 91 Resp: 2241844

Ion Ratio Lower Upper

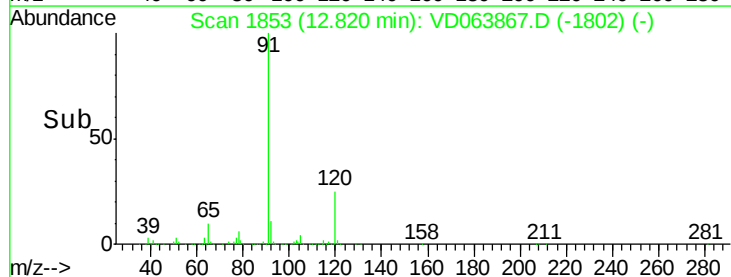
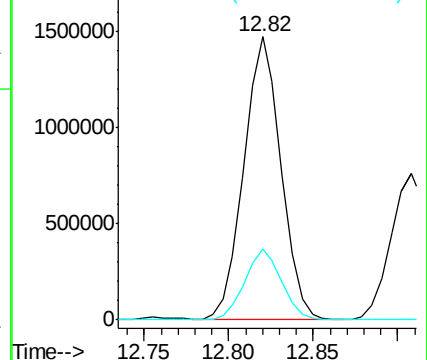
91 100

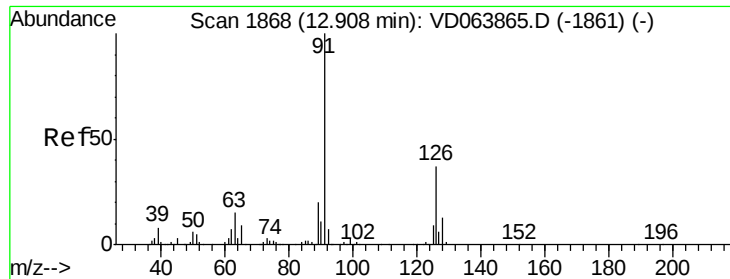
120 24.7 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 149.984 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Instrument :

MSVOA_D

ClientSampleId :

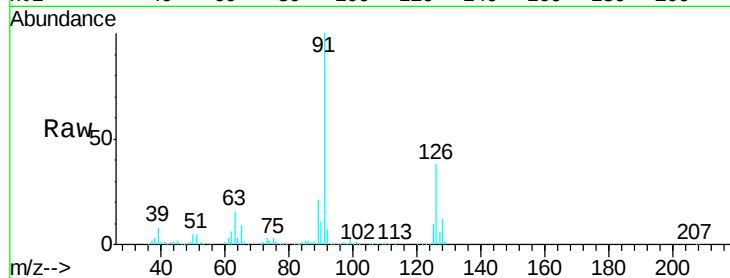
VSTDIC150

Tgt Ion: 91 Resp: 1229021

Ion Ratio Lower Upper

91 100

126 37.9 18.4 55.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V

12.91

800000

600000

400000

200000

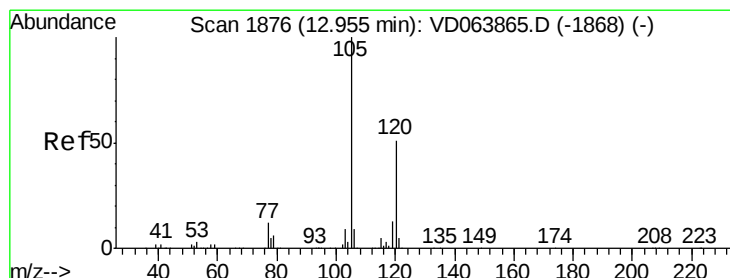
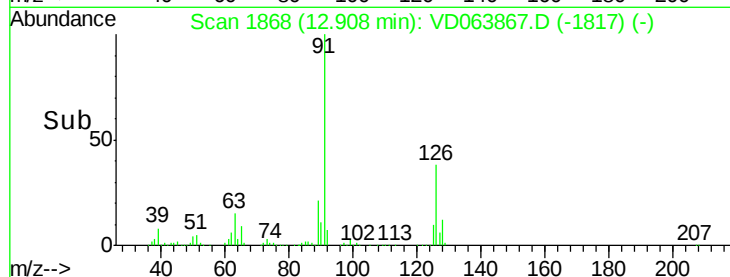
0

Time-->

12.85

12.90

12.95



#80

1,3,5-Trimethylbenzene

Concen: 151.209 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VD063867.D

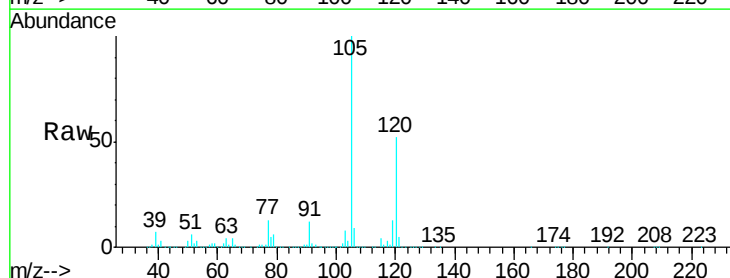
Acq: 02 Oct 2019 18:40

Tgt Ion: 105 Resp: 1627149

Ion Ratio Lower Upper

105 100

120 51.1 25.9 77.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.96

1200000

1000000

800000

600000

400000

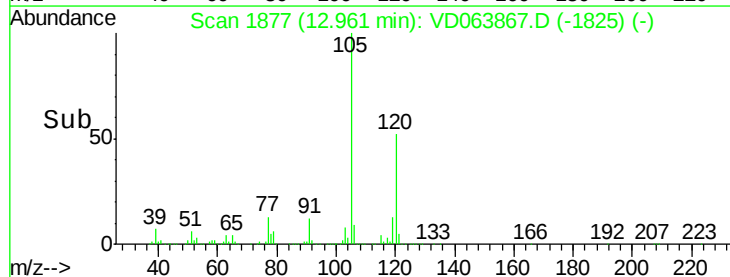
200000

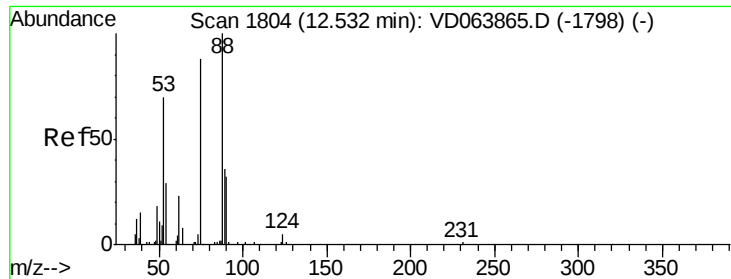
0

Time-->

12.90

13.00

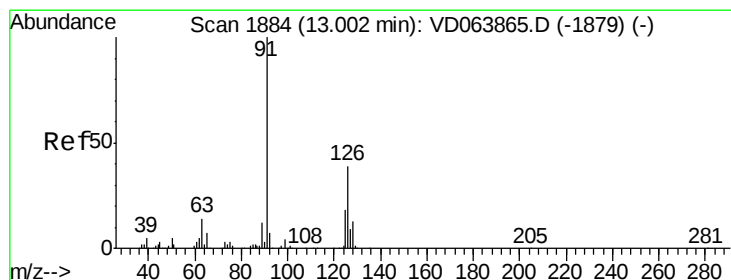
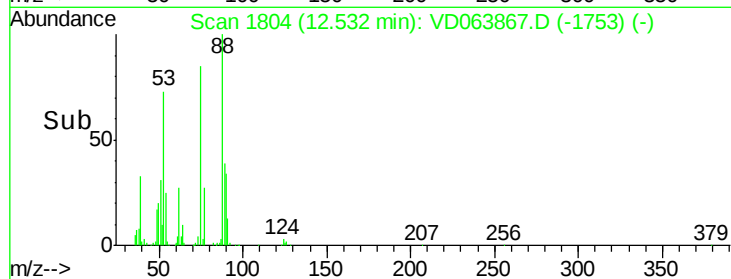
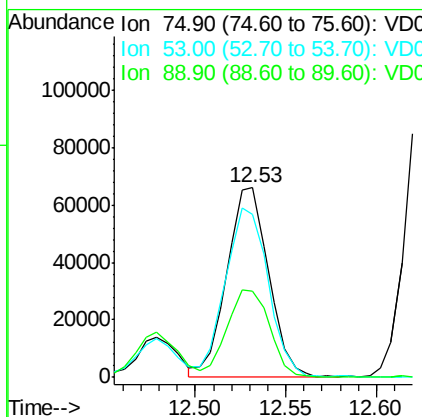
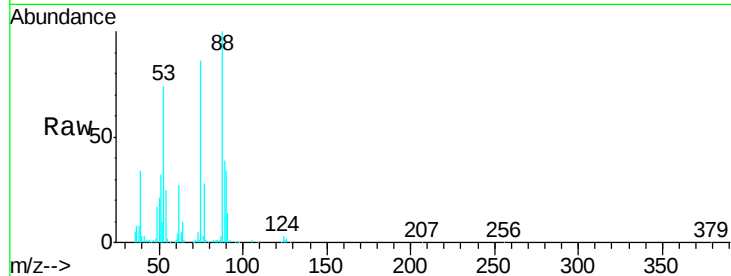




#81
trans-1,4-Dichloro-2-butene
Concen: 145.144 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

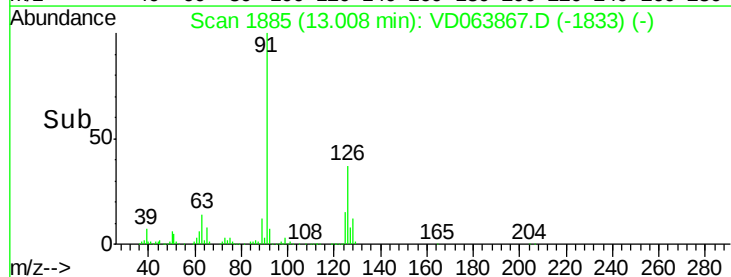
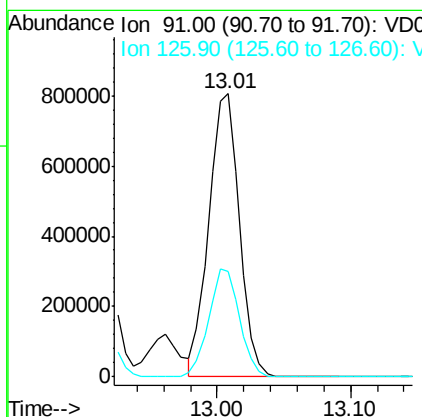
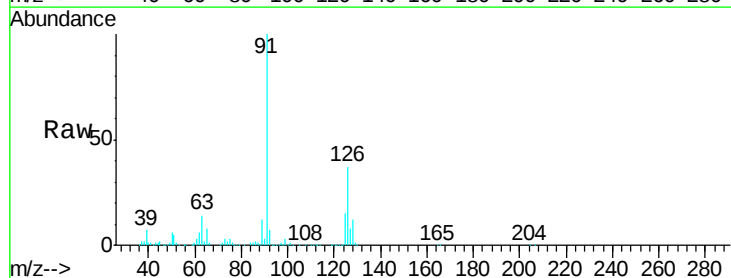
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

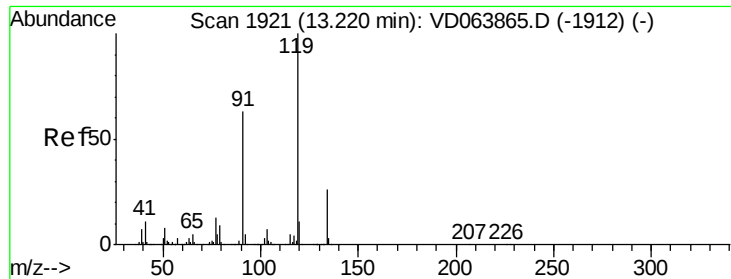
Tgt Ion: 75 Resp: 104907
Ion Ratio Lower Upper
75 100
53 92.9 75.0 112.6
89 47.5 38.2 57.4



#82
4-Chlorotoluene
Concen: 147.093 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.01 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

Tgt Ion: 91 Resp: 1290428
Ion Ratio Lower Upper
91 100
126 38.6 18.6 55.8

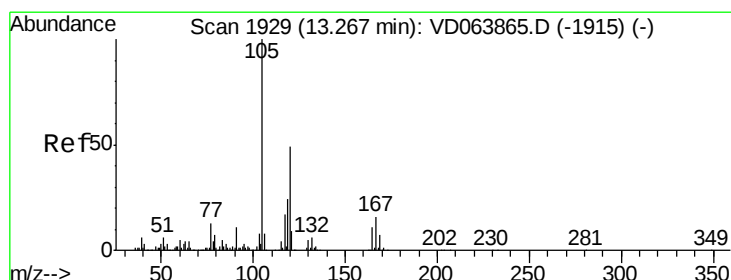
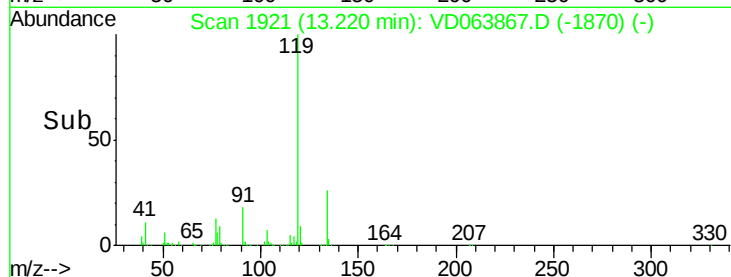
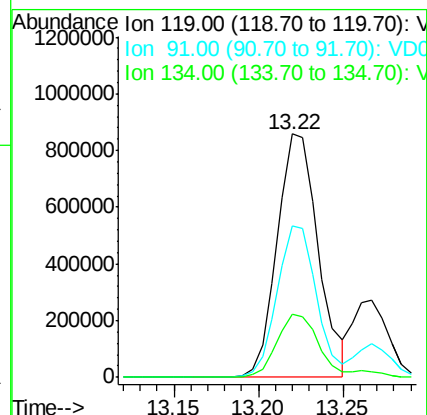
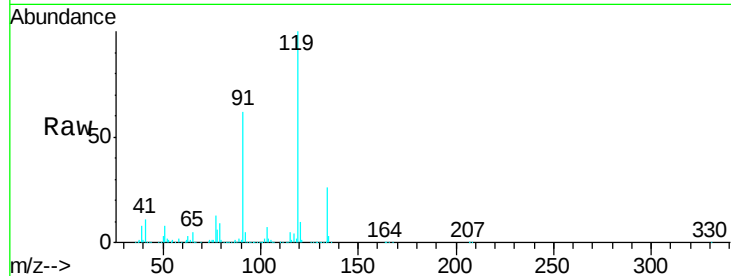




#83
tert-Butylbenzene
Concen: 153.058 ug/l
RT: 13.22 min Scan# 1921
Delta R.T. -0.00 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

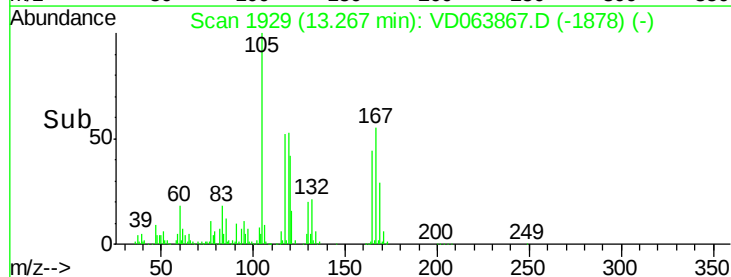
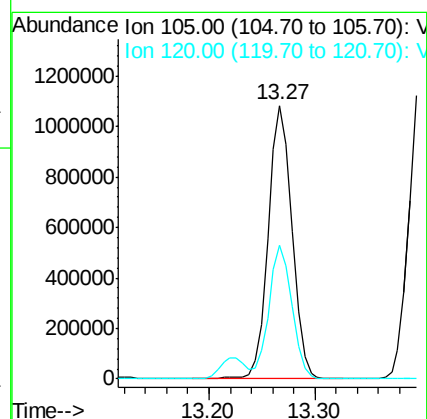
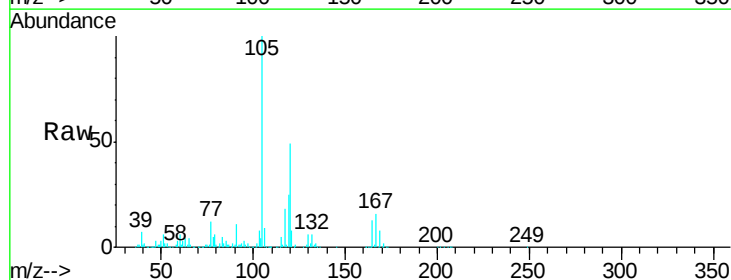
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

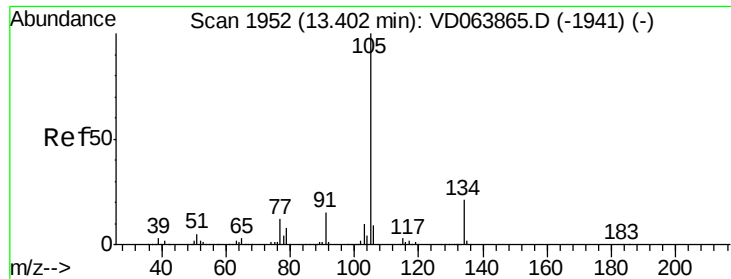
Tgt Ion:119 Resp: 1444810
Ion Ratio Lower Upper
119 100
91 59.6 30.0 90.0
134 27.8 13.0 38.9



#84
1,2,4-Trimethylbenzene
Concen: 154.741 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.00 min
Lab File: VD063867.D
Acq: 02 Oct 2019 18:40

Tgt Ion:105 Resp: 1691058
Ion Ratio Lower Upper
105 100
120 47.7 23.8 71.5





#85

sec-Butylbenzene

Concen: 145.398 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Instrument :

MSVOA_D

ClientSampleId :

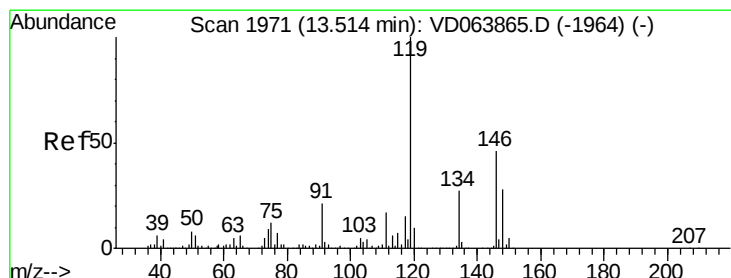
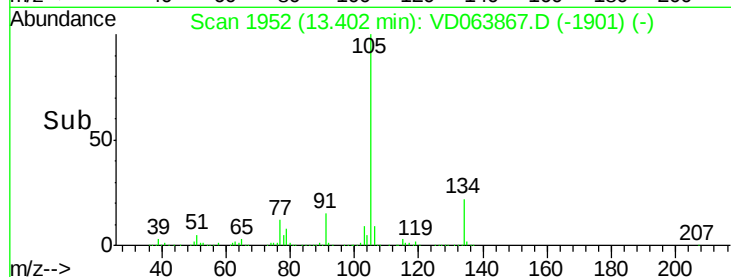
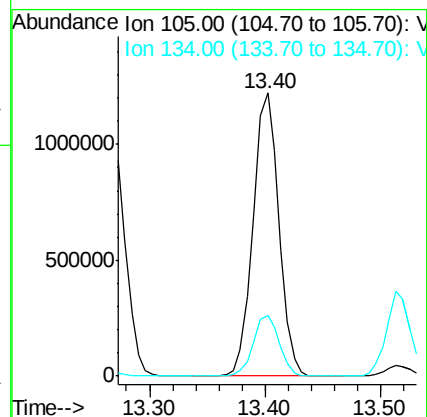
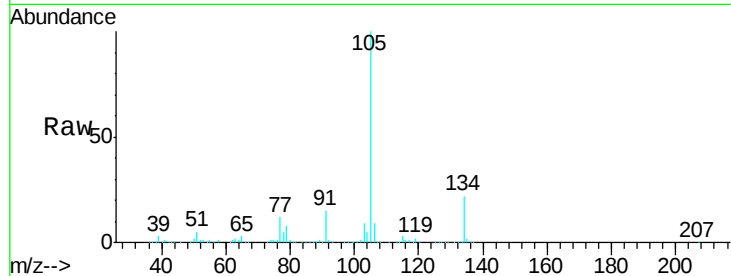
VSTDIC150

Tgt Ion:105 Resp: 1902393

Ion Ratio Lower Upper

105 100

134 21.6 10.6 31.8



#86

p-Isopropyltoluene

Concen: 154.449 ug/l

RT: 13.51 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

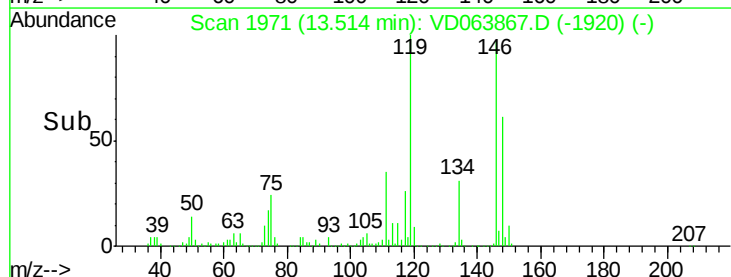
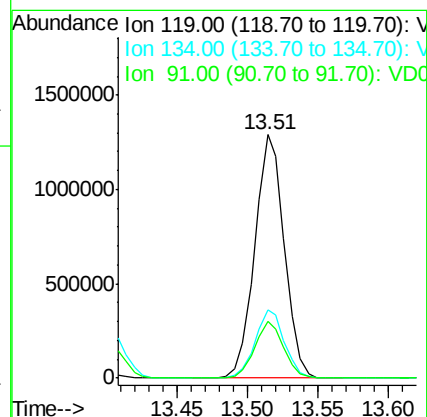
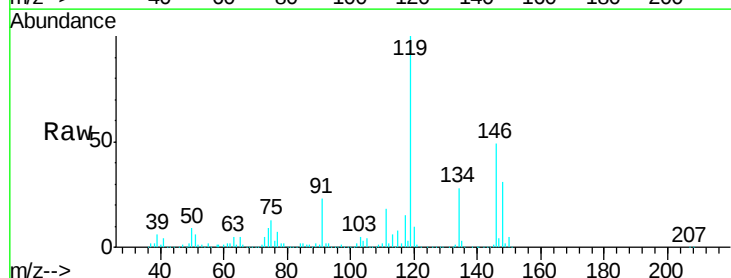
Tgt Ion:119 Resp: 1893014

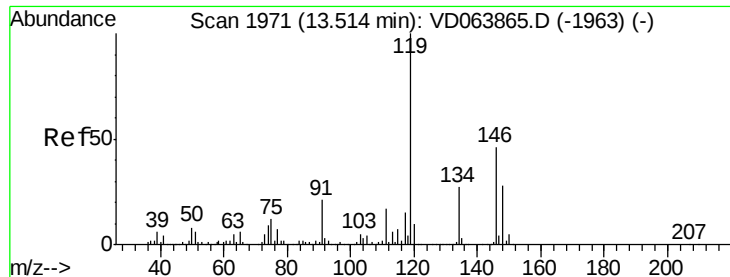
Ion Ratio Lower Upper

119 100

134 27.8 13.9 41.6

91 22.7 11.2 33.5

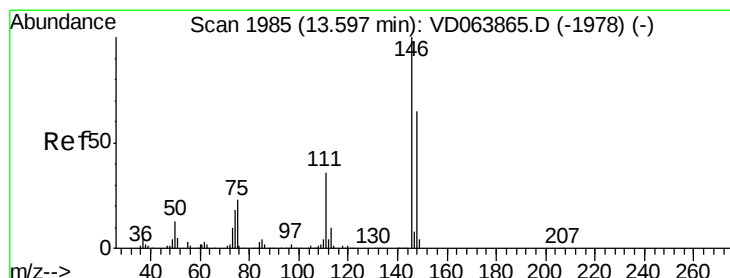
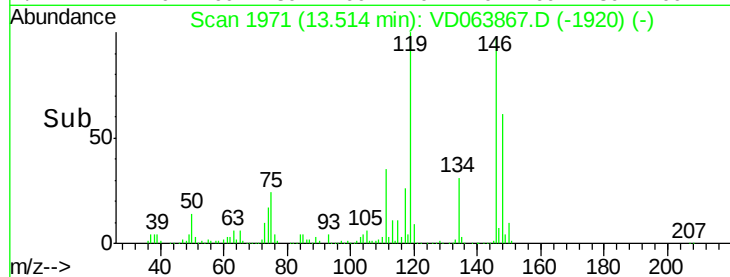
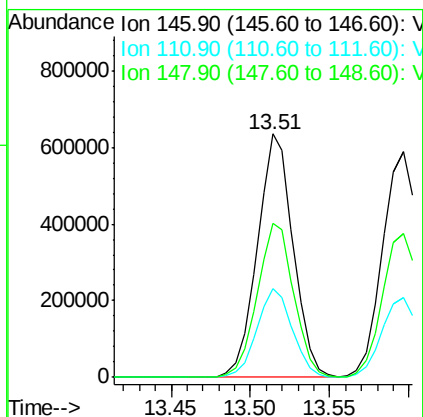
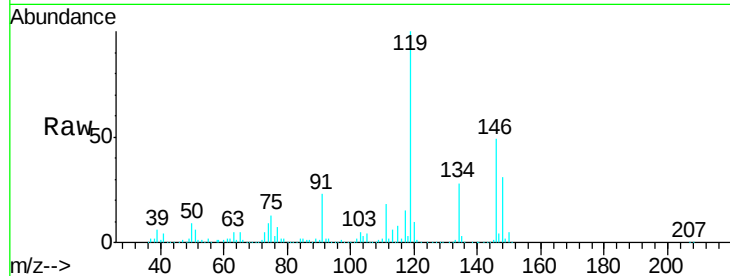




#87
 1,3-Dichlorobenzene
 Concen: 162.968 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VD063867.D
 Acq: 02 Oct 2019 18:40

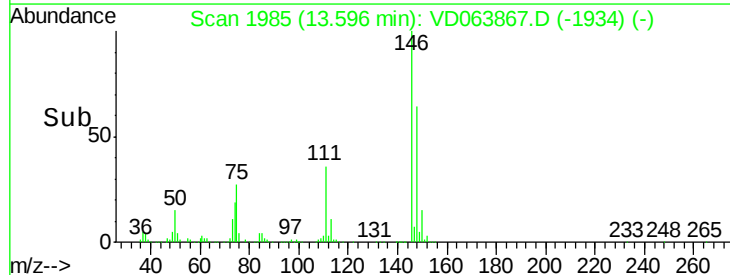
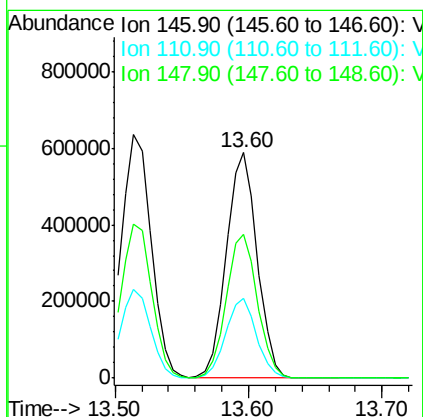
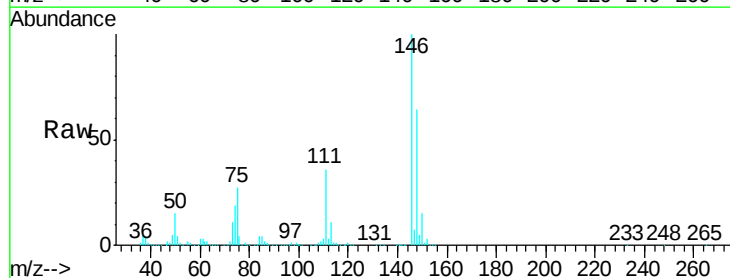
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

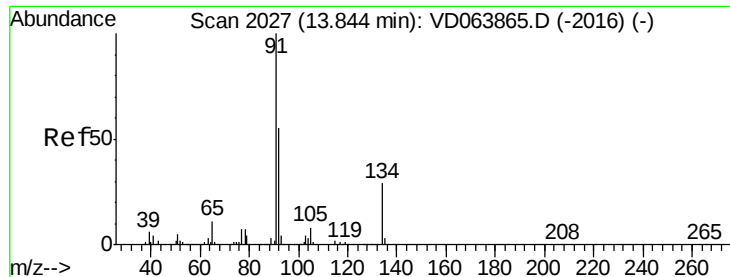
Tgt Ion:146 Resp: 996750
 Ion Ratio Lower Upper
 146 100
 111 36.2 18.3 54.9
 148 64.5 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 155.510 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD063867.D
 Acq: 02 Oct 2019 18:40

Tgt Ion:146 Resp: 949304
 Ion Ratio Lower Upper
 146 100
 111 35.5 18.6 56.0
 148 64.4 32.6 98.0





#89

n-Butylbenzene

Concen: 143.320 ug/l

RT: 13.84 min Scan# 2027

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

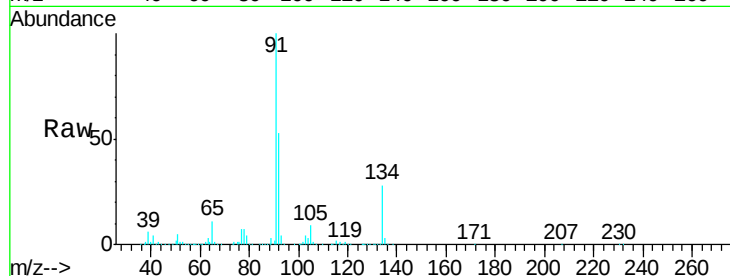
Tgt Ion: 91 Resp: 1666334

Ion Ratio Lower Upper

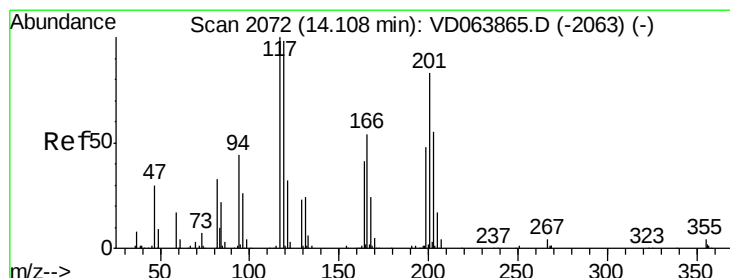
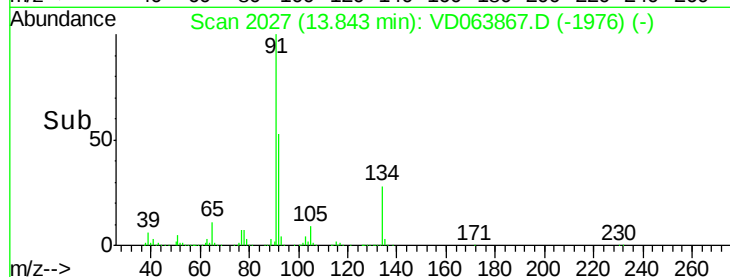
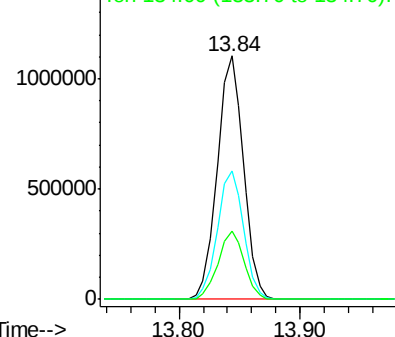
91 100

92 52.6 26.8 80.3

134 27.9 14.4 43.0



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 154.981 ug/l

RT: 14.11 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VD063867.D

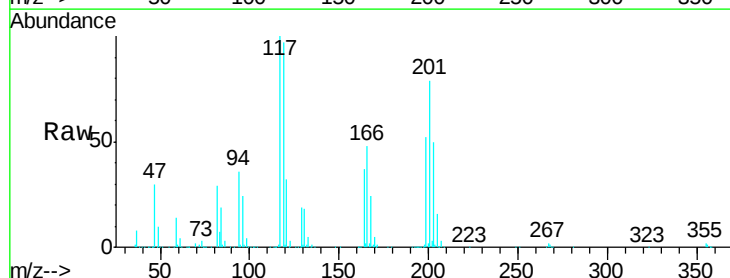
Acq: 02 Oct 2019 18:40

Tgt Ion: 117 Resp: 351218

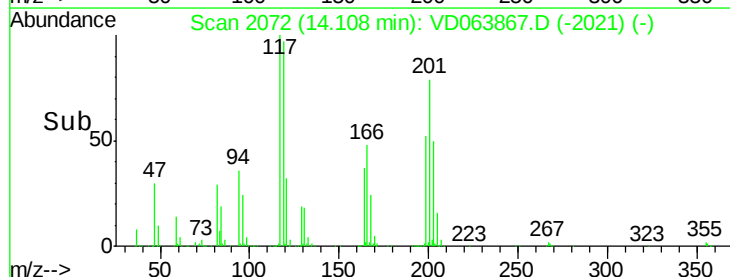
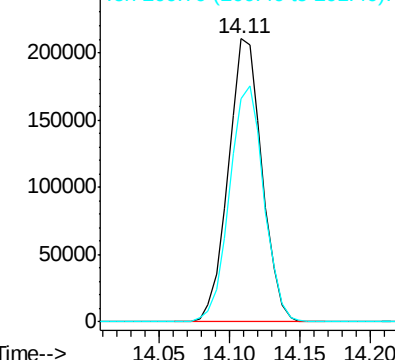
Ion Ratio Lower Upper

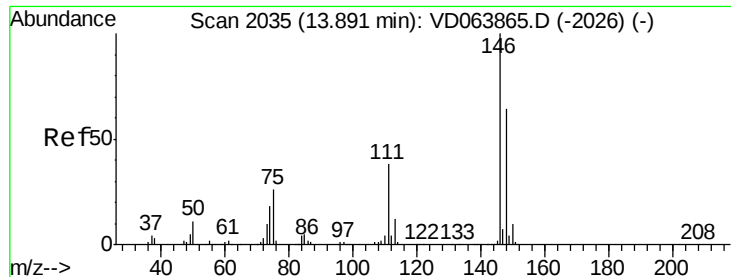
117 100

201 85.0 40.6 121.7



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 158.832 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

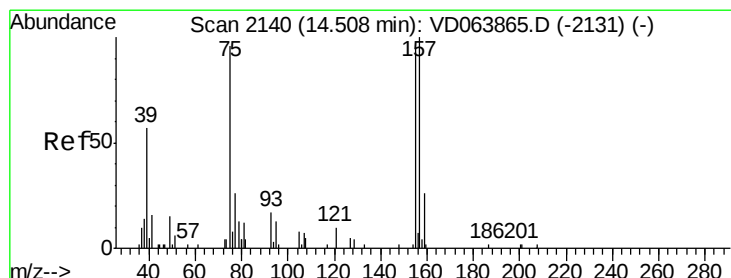
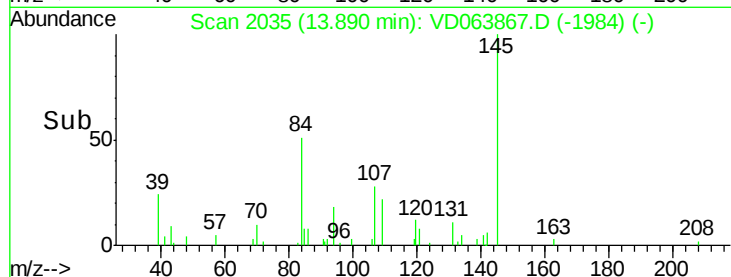
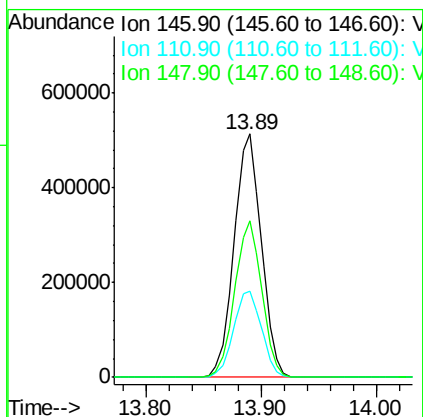
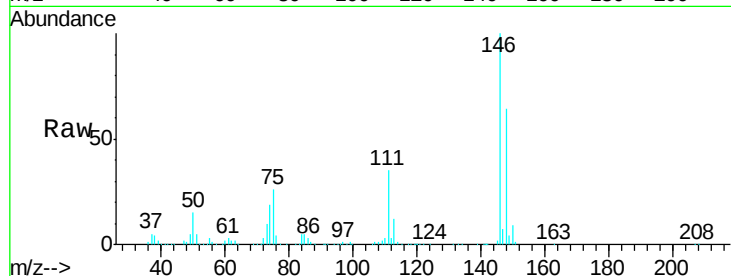
Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion:	146	Resp:	836827
Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.6	55.6
148	63.6	31.6	95.0



#92

1,2-Dibromo-3-Chloropropane

Concen: 137.975 ug/l

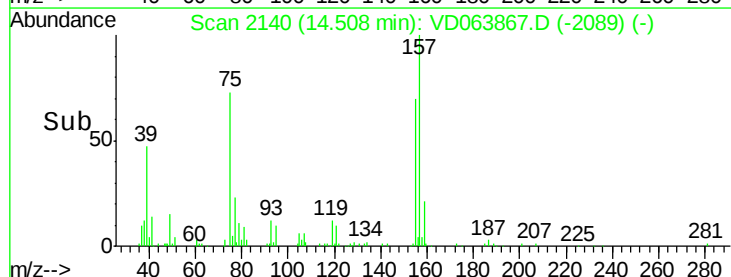
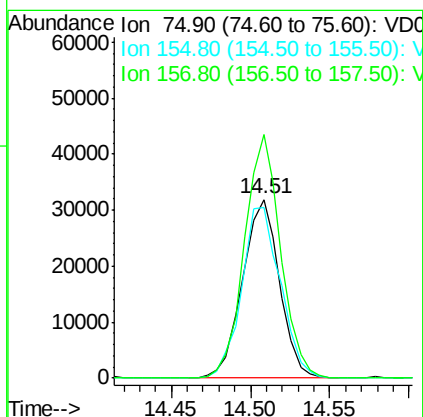
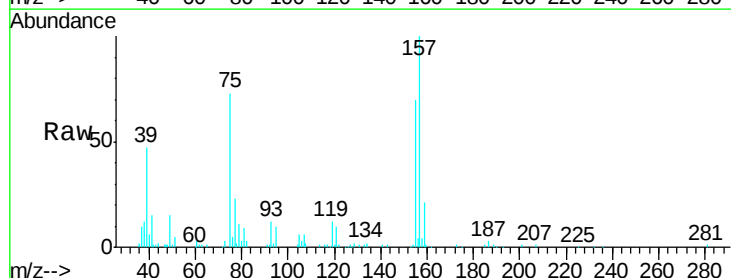
RT: 14.51 min Scan# 2140

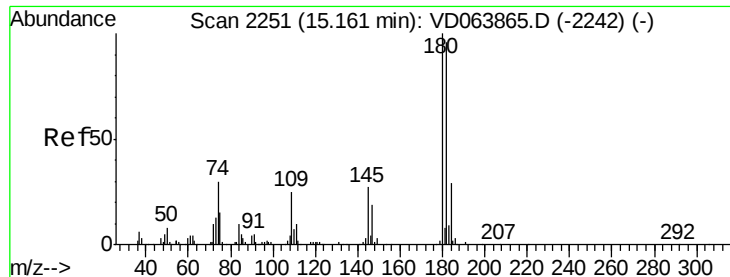
Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Tgt Ion:	75	Resp:	51466
Ion	Ratio	Lower	Upper
75	100		
155	101.1	43.9	131.6
157	133.3	56.0	167.9

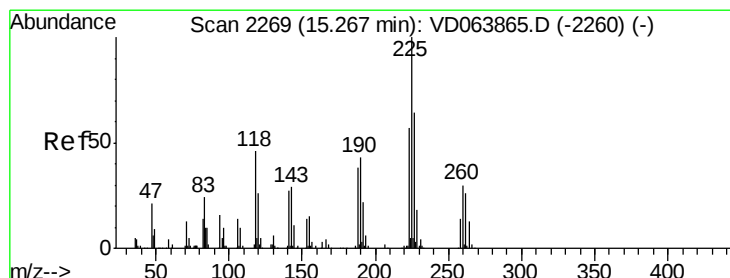
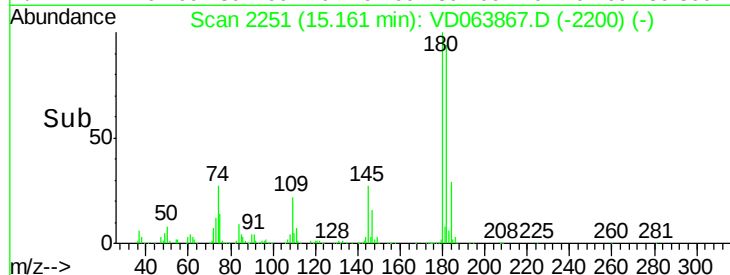
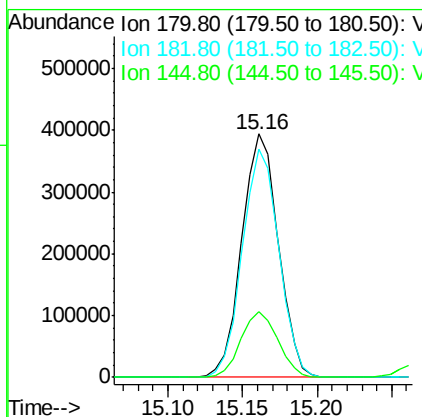
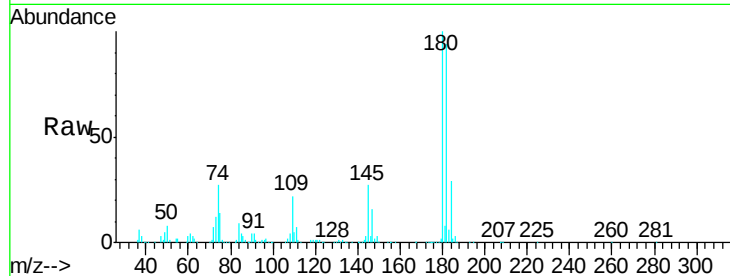




#93
 1,2,4-Trichlorobenzene
 Concen: 167.462 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VD063867.D
 Acq: 02 Oct 2019 18:40

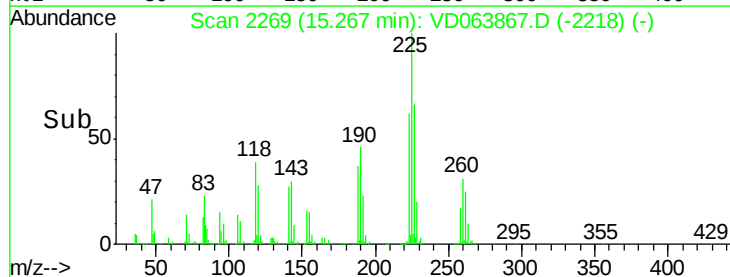
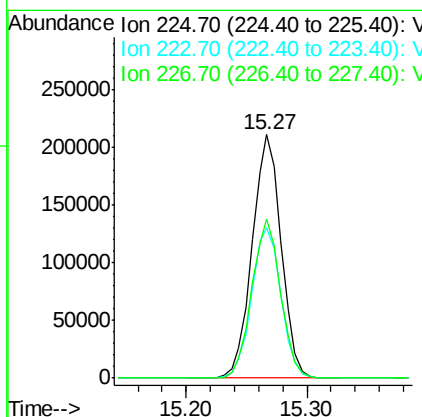
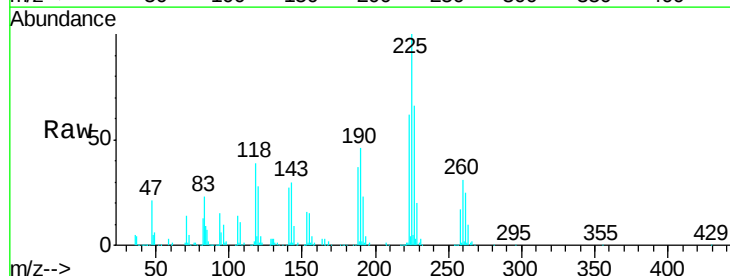
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

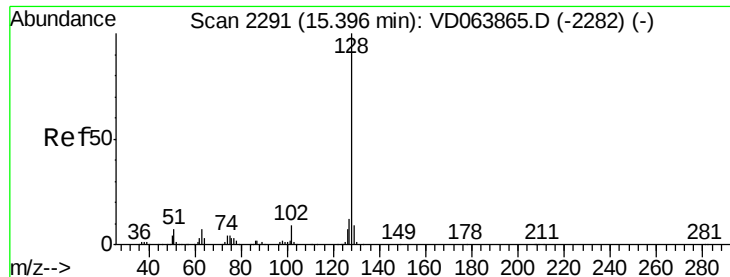
Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.4	142.3
145	27.5	13.9	41.7



#94
 Hexachlorobutadiene
 Concen: 156.495 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VD063867.D
 Acq: 02 Oct 2019 18:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	29.5	88.6
227	64.7	30.8	92.4





#95

Naphthalene

Concen: 157.041 ug/l

RT: 15.40 min Scan# 2291

Delta R.T. -0.00 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

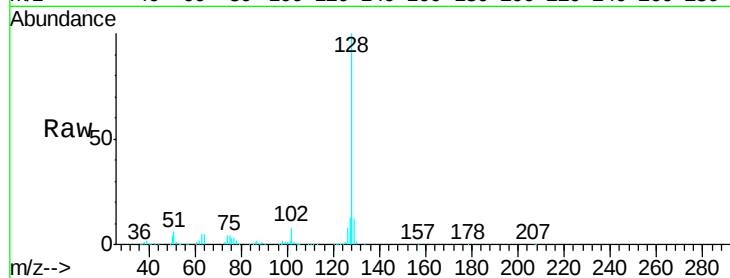
Tgt Ion:128 Resp: 1128814

Ion Ratio Lower Upper

128 100

127 13.2 10.6 16.0

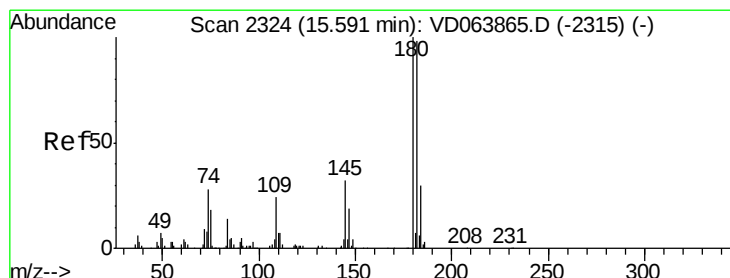
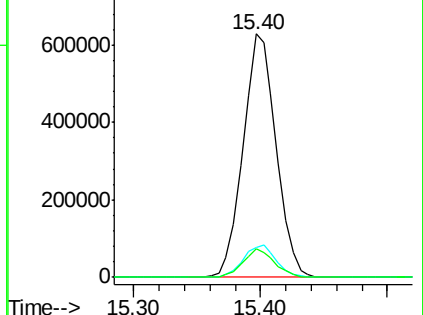
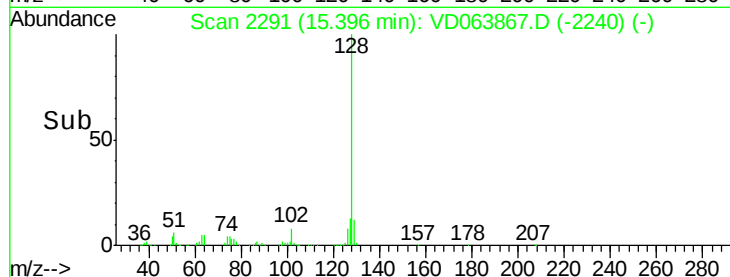
129 11.0 8.6 13.0



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: 160.948 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. 0.01 min

Lab File: VD063867.D

Acq: 02 Oct 2019 18:40

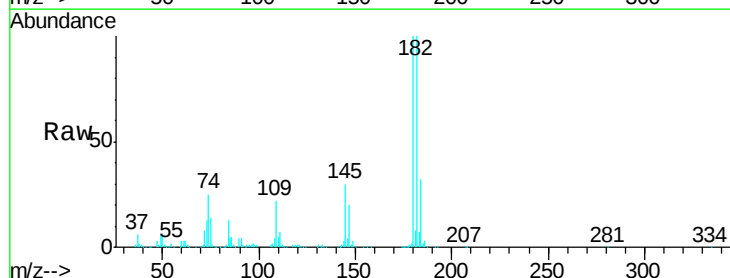
Tgt Ion:180 Resp: 569711

Ion Ratio Lower Upper

180 100

182 96.7 47.0 141.0

145 29.7 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

