

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042420\
 Data File : VD065675.D
 Acq On : 24 Apr 2020 13:59
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 24 14:21:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042420S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 24 13:58:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	216026	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	285327	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	263735	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	143701	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	189941	84.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	169.42%	
35) Dibromofluoromethane	7.92	113	181156	91.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	182.30%	
50) Toluene-d8	10.34	98	678813	97.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	195.88%	
62) 4-Bromofluorobenzene	12.64	95	226784	101.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	204154	105.342	ug/l	99
3) Chloromethane	2.21	50	226747	93.445	ug/l	100
4) Vinyl Chloride	2.35	62	253709	94.646	ug/l	99
5) Bromomethane	2.76	94	137710	83.825	ug/l	96
6) Chloroethane	2.92	64	148218	91.129	ug/l	98
7) Trichlorofluoromethane	3.27	101	335370	89.170	ug/l	98
8) Diethyl Ether	3.71	74	100494	91.895	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.08	101	201627	90.214	ug/l	99
10) Methyl Iodide	4.29	142	197426	133.406	ug/l	98
11) Tert butyl alcohol	5.26	59	50590	519.464	ug/l	99
12) 1,1-Dichloroethene	4.05	96	193867	87.103	ug/l	95
13) Acrolein	3.93	56	73862	464.445	ug/l	99
14) Allyl chloride	4.70	41	302104	103.518	ug/l	97
15) Acrylonitrile	5.43	53	210967	525.580	ug/l	99
16) Acetone	4.16	43	214274	412.721	ug/l	95
17) Carbon Disulfide	4.39	76	554713	94.679	ug/l	99
18) Methyl Acetate	4.72	43	106962	95.506	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	419752	117.440	ug/l	99
20) Methylene Chloride	4.96	84	186135	82.335	ug/l	96
21) trans-1,2-Dichloroethene	5.46	96	204184	98.565	ug/l	99
22) Diisopropyl ether	6.37	45	677400	114.765	ug/l	97
23) Vinyl Acetate	6.31	43	1994682	635.493	ug/l	99
24) 1,1-Dichloroethane	6.26	63	381014	96.861	ug/l	99
25) 2-Butanone	7.23	43	305306	557.648	ug/l	99
26) 2,2-Dichloropropane	7.21	77	346188	94.520	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	234842	106.341	ug/l	99
28) Bromochloromethane	7.55	49	145417	90.064	ug/l	99
29) Tetrahydrofuran	7.57	42	195233	600.121	ug/l	98
30) Chloroform	7.71	83	390573	92.993	ug/l	100
31) Cyclohexane	7.98	56	371997	100.208	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	361906	94.750	ug/l	99
36) 1,1-Dichloropropene	8.11	75	319755	106.229	ug/l	99
37) Ethyl Acetate	7.30	43	137737	117.818	ug/l	98
38) Carbon Tetrachloride	8.10	117	341610	98.774	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	393492	127.133	ug/l	98
40) Benzene	8.36	78	887305	107.353	ug/l	100
41) Methacrylonitrile	7.53	41	84502	138.803	ug/l #	90
42) 1,2-Dichloroethane	8.43	62	264457	101.990	ug/l	99
43) Isopropyl Acetate	8.46	43	257368	120.780	ug/l	98
44) Trichloroethene	9.11	130	236179	101.062	ug/l	98
45) 1,2-Dichloropropane	9.39	63	219287	104.130	ug/l	99
46) Dibromomethane	9.48	93	114292	104.701	ug/l	98
47) Bromodichloromethane	9.67	83	302798	100.959	ug/l	100
48) Methyl methacrylate	9.46	41	125063	120.832	ug/l	97
49) 1,4-Dioxane	9.47	88	28130	2474.250	ug/l	98
51) 4-Methyl-2-Pentanone	10.24	43	679401	621.844	ug/l	98
52) Toluene	10.41	92	568646	113.311	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	294755	116.496	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	345305	112.669	ug/l	95
55) 1,1,2-Trichloroethane	10.81	97	156304	102.173	ug/l	99
56) Ethyl methacrylate	10.67	69	200626	140.589	ug/l	95
57) 1,3-Dichloropropane	10.95	76	274345	108.148	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	432700	566.146	ug/l	99
59) 2-Hexanone	10.99	43	474884	640.880	ug/l	99
60) Dibromochloromethane	11.15	129	209904	102.765	ug/l	99
61) 1,2-Dibromoethane	11.25	107	150310	106.864	ug/l	97
64) Tetrachloroethene	10.88	164	209229	103.180	ug/l	95
65) Chlorobenzene	11.68	112	580546	103.375	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	228551	105.335	ug/l	99
67) Ethyl Benzene	11.75	91	1100713	121.459	ug/l	99
68) m/p-Xylenes	11.86	106	854620	242.047	ug/l	96
69) o-Xylene	12.18	106	380587	128.625	ug/l	95
70) Styrene	12.20	104	685149	127.851	ug/l	99
71) Bromoform	12.37	173	127586	105.151	ug/l #	99
73) Isopropylbenzene	12.48	105	1047540	124.958	ug/l	99
74) N-amyl acetate	12.30	43	240489	127.286	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	167423	99.259	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	233892	183.927	ug/l #	100
77) Bromobenzene	12.77	156	248821	107.170	ug/l	99
78) n-propylbenzene	12.83	91	1254950	119.239	ug/l	99
79) 2-Chlorotoluene	12.91	91	687452	112.625	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	879300	122.355	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	62042	121.770	ug/l	92
82) 4-Chlorotoluene	13.01	91	731684	110.260	ug/l	98
83) tert-Butylbenzene	13.23	119	733410	126.702	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	883494	124.055	ug/l	100
85) sec-Butylbenzene	13.41	105	1040512	122.251	ug/l	100
86) p-Isopropyltoluene	13.53	119	988837	124.040	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	489548	106.633	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	470338	101.139	ug/l	100
89) n-Butylbenzene	13.86	91	899943	121.919	ug/l	98
90) Hexachloroethane	14.12	117	184257	98.054	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	410794	103.235	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	28251	107.312	ug/l	100

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QLast Update : Fri Apr 24 13:58:09 2020
Response via : Initial Calibration

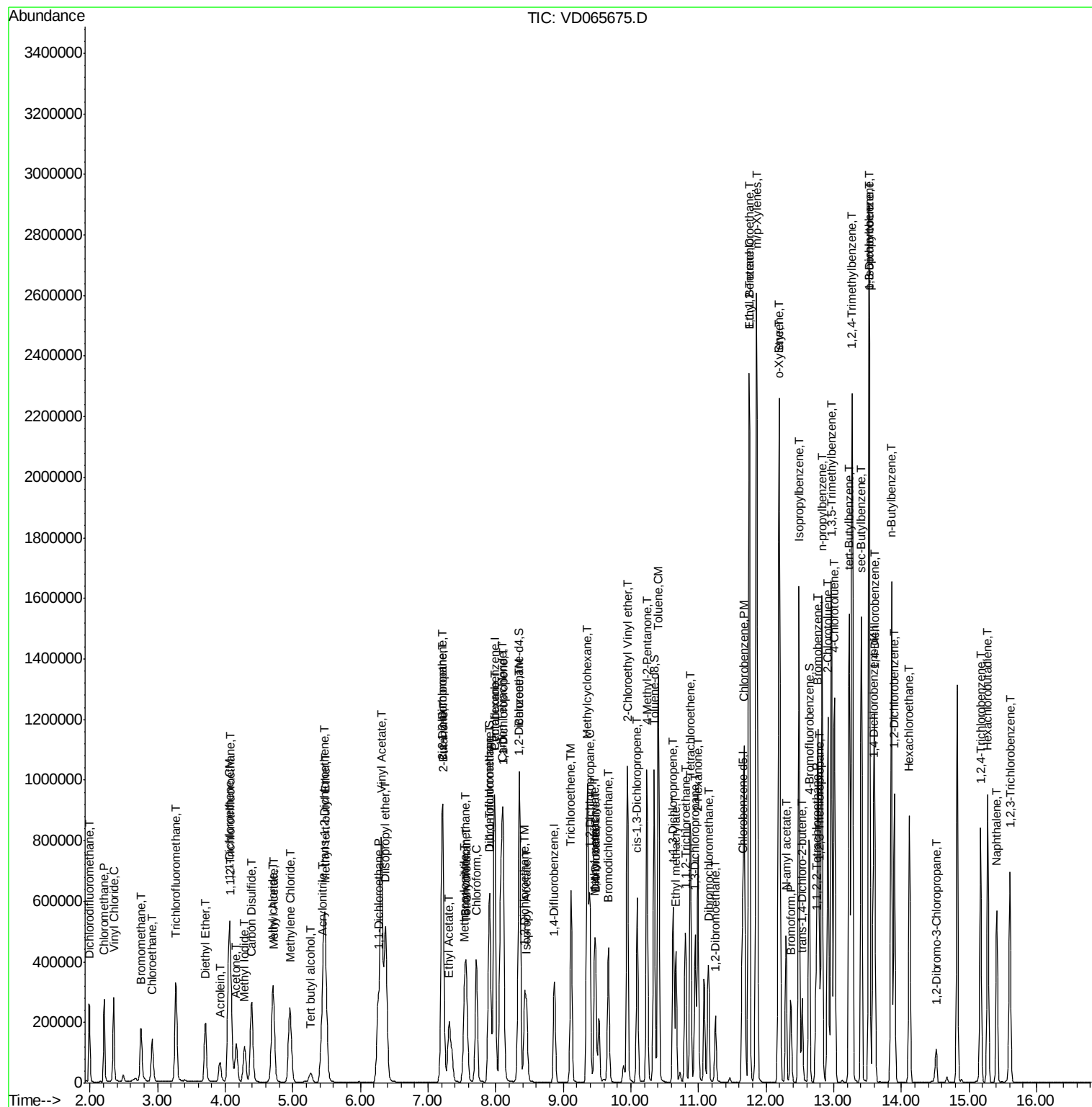
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	289205	116.048	ug/l	99
94) Hexachlorobutadiene	15.28	225	194598	100.864	ug/l	99
95) Naphthalene	15.41	128	482585	140.244	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	253288	113.200	ug/l	100

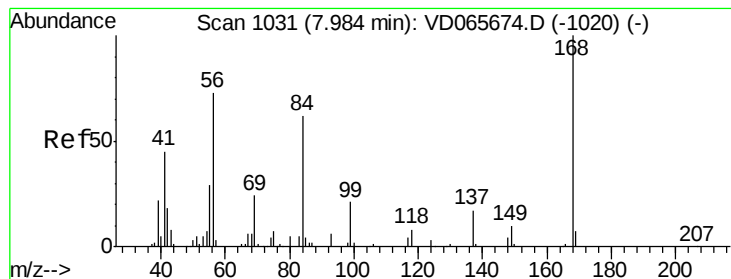
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065675.D

Acq: 24 Apr 2020 13:59

Instrument :

MSVOA_D

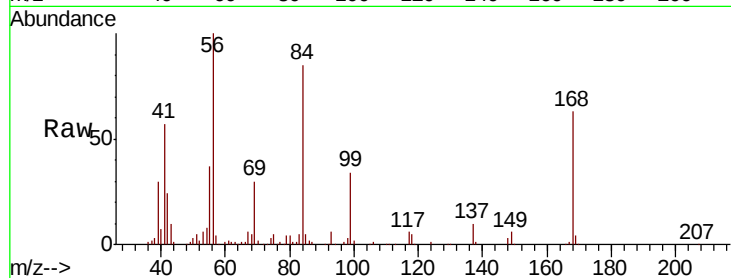
ClientSampleId :

Tot Ion:168 Resp: 216026

Ion Ratio Lower Upper

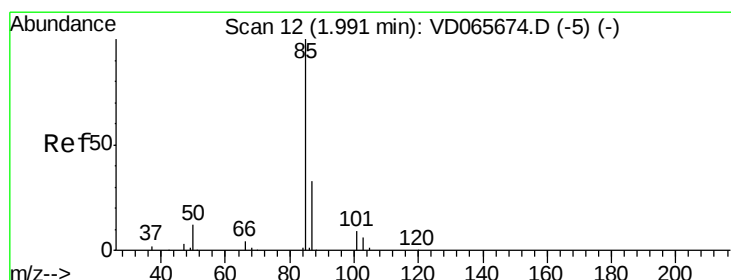
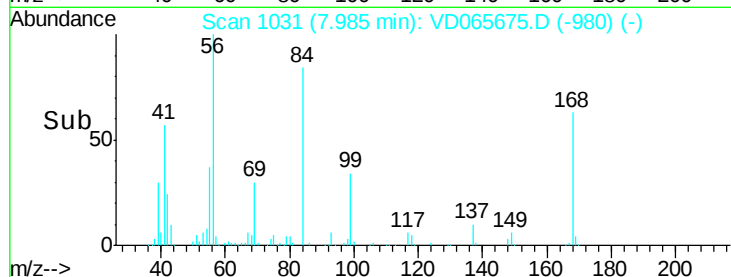
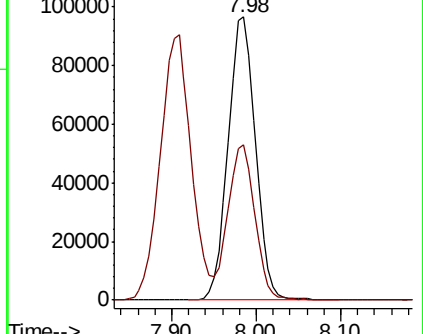
168 100

99 54.5 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 105.342 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD065675.D

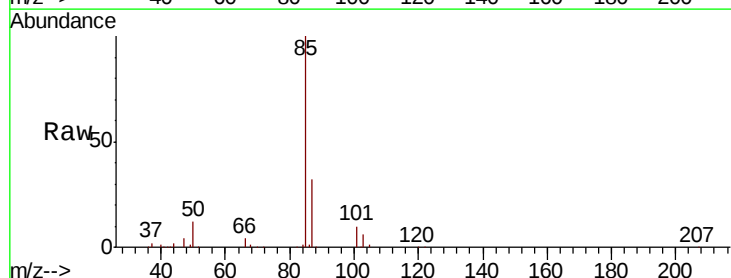
Acq: 24 Apr 2020 13:59

Tgt Ion: 85 Resp: 204154

Ion Ratio Lower Upper

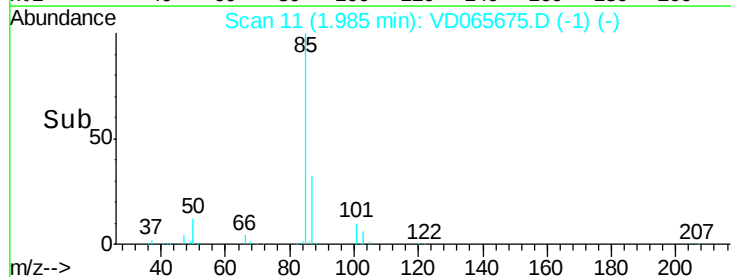
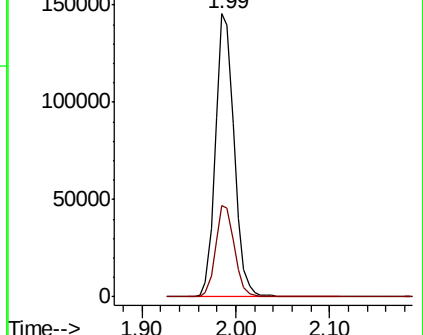
85 100

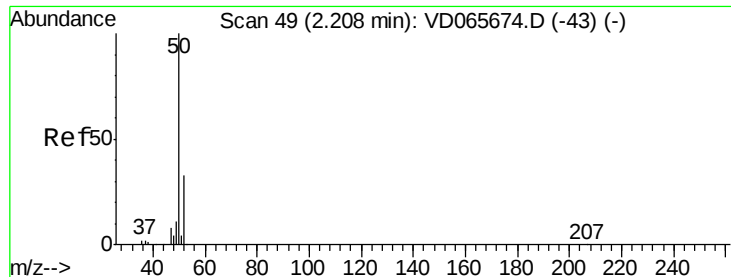
87 32.3 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 93.445 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065675.D

Acq: 24 Apr 2020 13:59

Instrument :

MSVOA_D

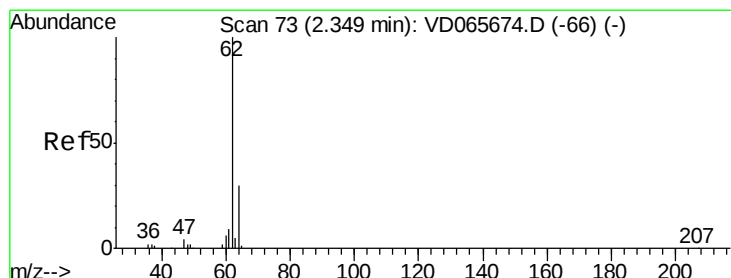
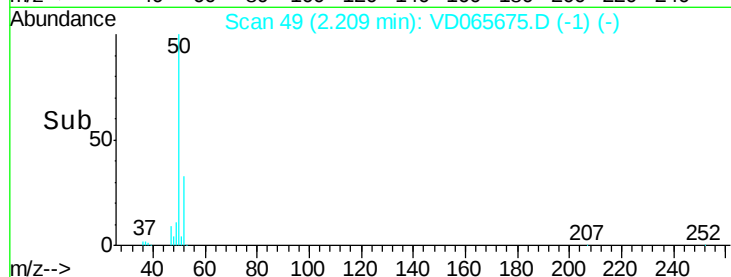
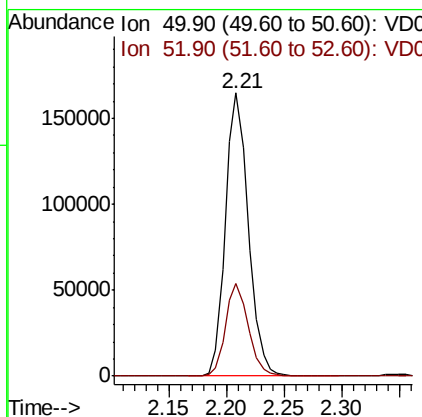
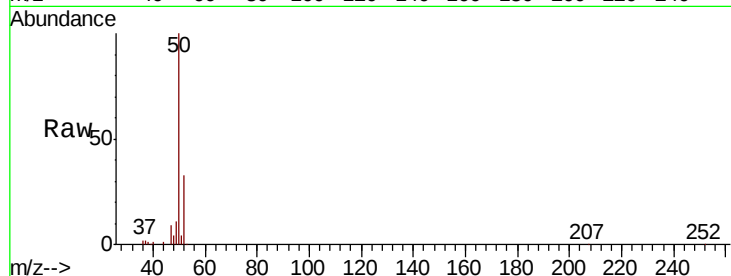
ClientSampleId :

Tot Ion: 50 Resp: 226747

Ion Ratio Lower Upper

50 100

52 32.9 26.5 39.7



#4

Vinyl Chloride

Concen: 94.646 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065675.D

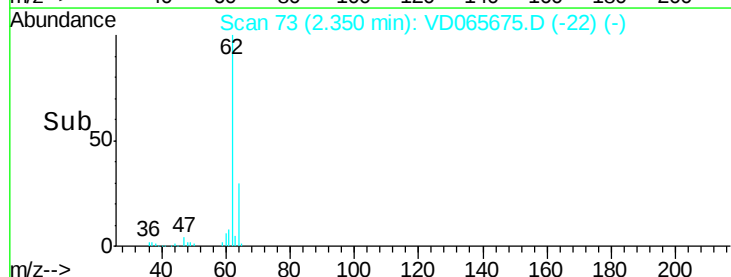
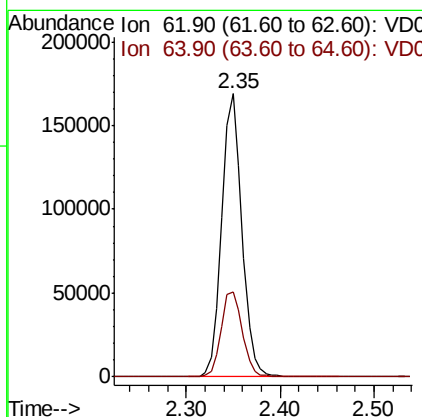
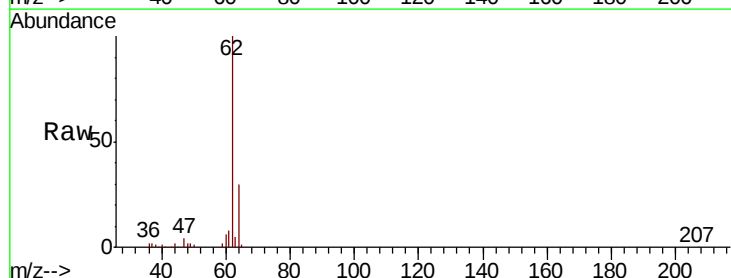
Acq: 24 Apr 2020 13:59

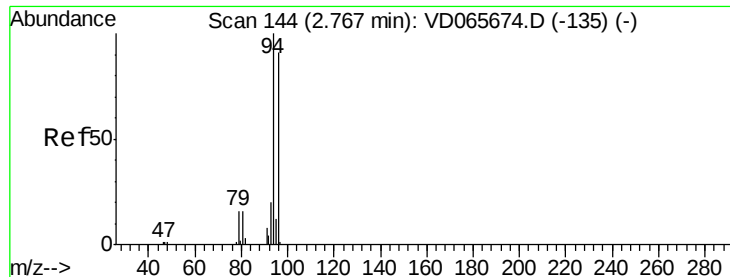
Tgt Ion: 62 Resp: 253709

Ion Ratio Lower Upper

62 100

64 30.0 24.3 36.5





#5

Bromomethane

Concen: 83.825 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD065675.D

Acq: 24 Apr 2020 13:59

Instrument :

MSVOA_D

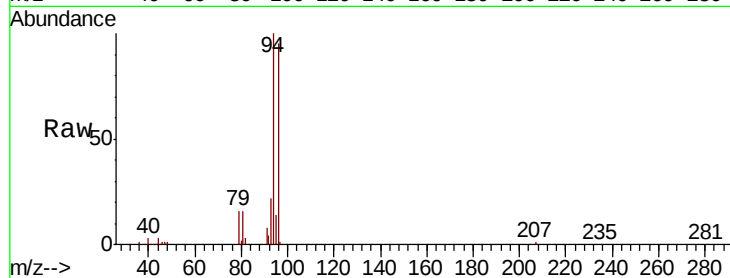
ClientSampleId :

Tot Ion: 94 Resp: 137710

Ion Ratio Lower Upper

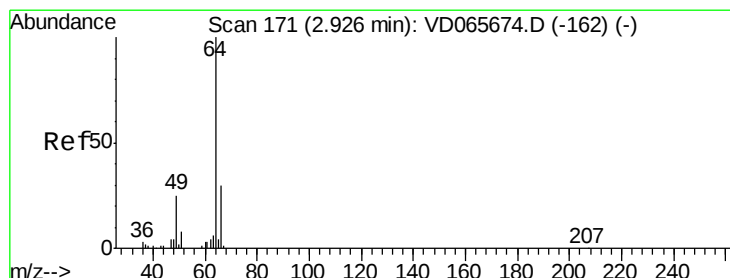
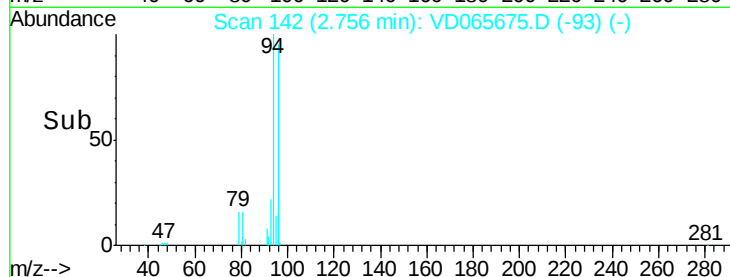
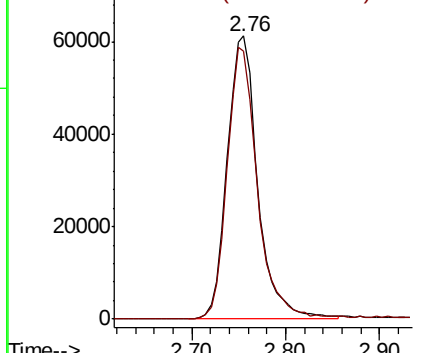
94 100

96 94.8 73.0 109.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 91.129 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065675.D

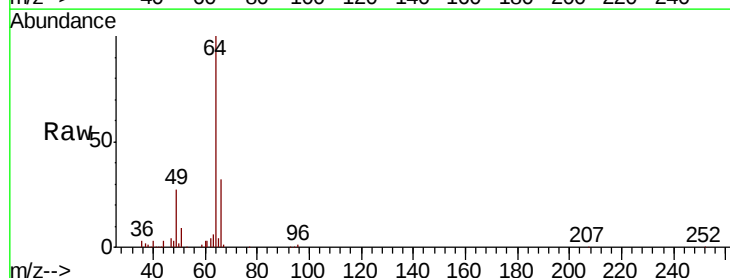
Acq: 24 Apr 2020 13:59

Tgt Ion: 64 Resp: 148218

Ion Ratio Lower Upper

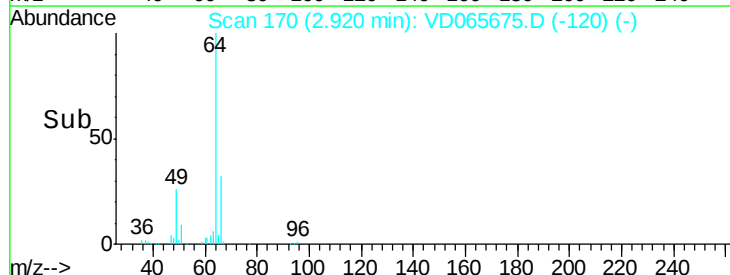
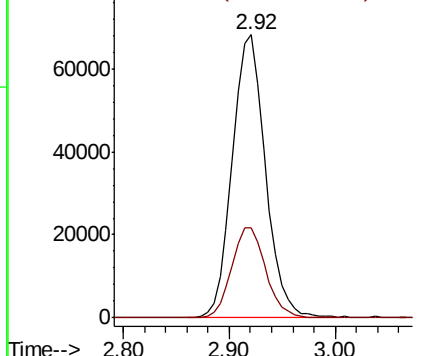
64 100

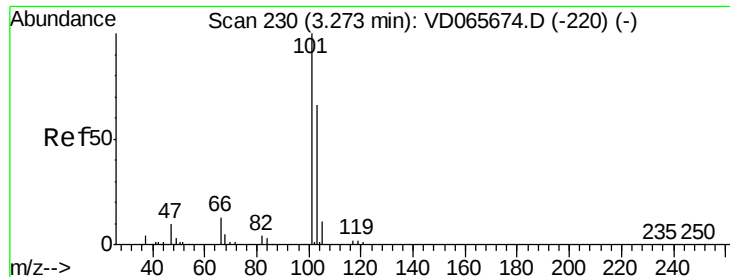
66 31.7 24.3 36.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



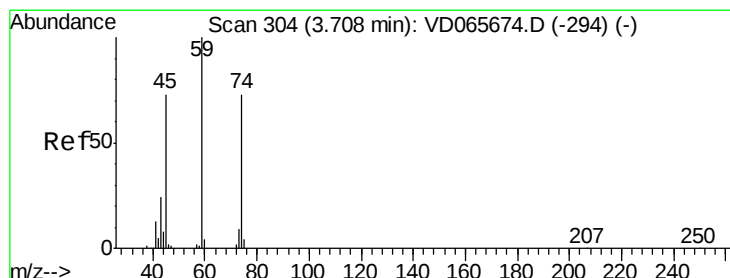
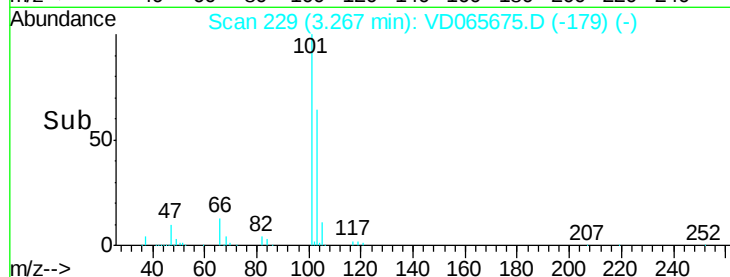
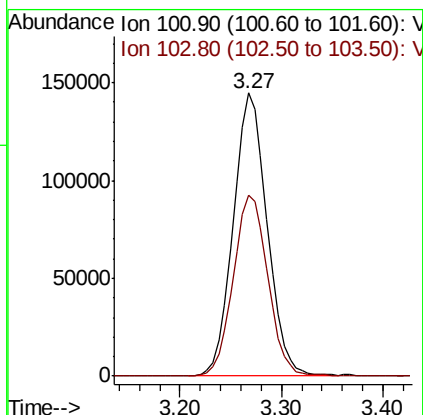
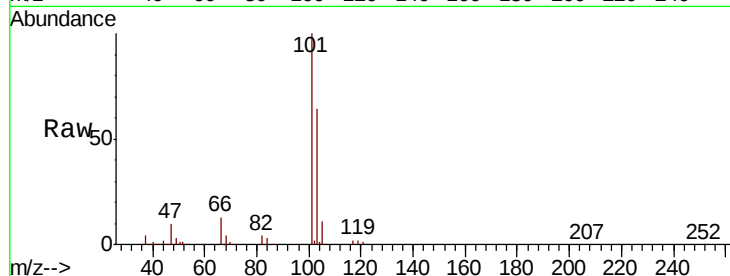


#7

Trichlorofluoromethane
 Concen: 89.170 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065675.D
 Acq: 24 Apr 2020 13:59

Instrument :
 MSVOA_D
 ClientSampleId :

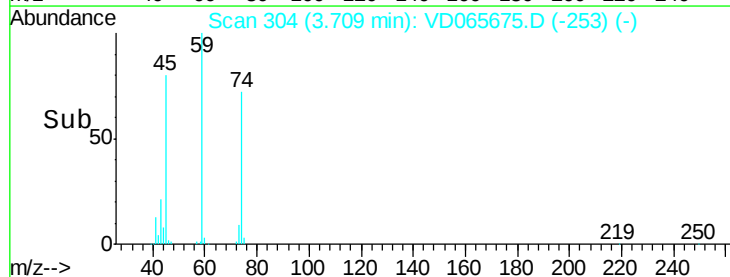
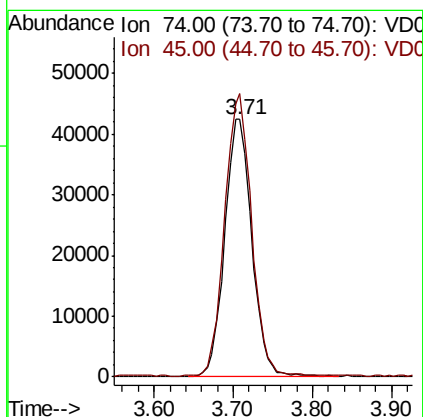
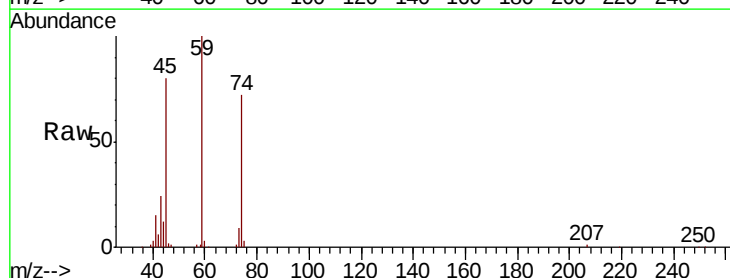
Tot Ion:101 Resp: 335370
 Ion Ratio Lower Upper
 101 100
 103 63.9 52.6 78.8

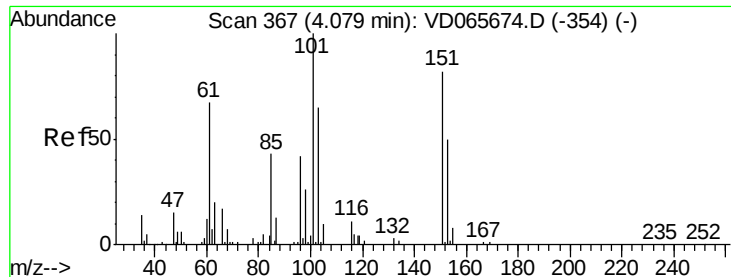


#8

Diethyl Ether
 Concen: 91.895 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065675.D
 Acq: 24 Apr 2020 13:59

Tgt Ion: 74 Resp: 100494
 Ion Ratio Lower Upper
 74 100
 45 109.8 55.0 165.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 90.214 ug/l

RT: 4.08 min Scan# 367

Delta R.T. 0.00 min

Lab File: VD065675.D

Acq: 24 Apr 2020 13:59

Instrument :

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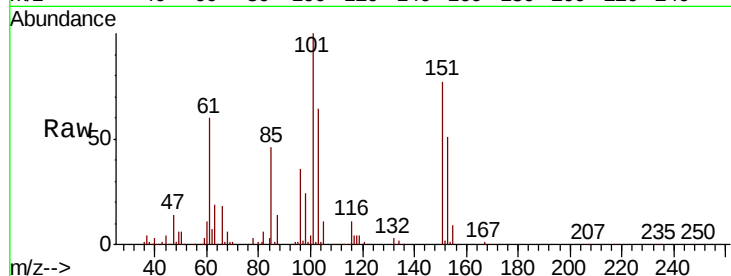
Tot Ion:101 Resp: 201627

Ion Ratio Lower Upper

101 100

85 44.1 35.1 52.7

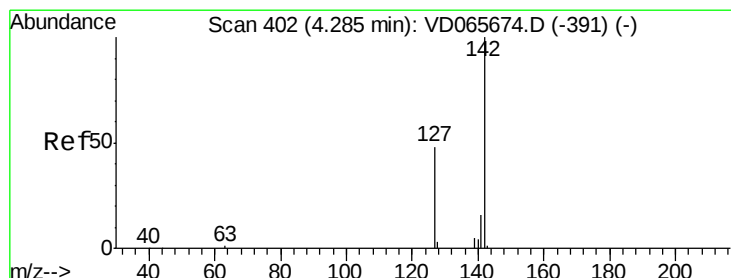
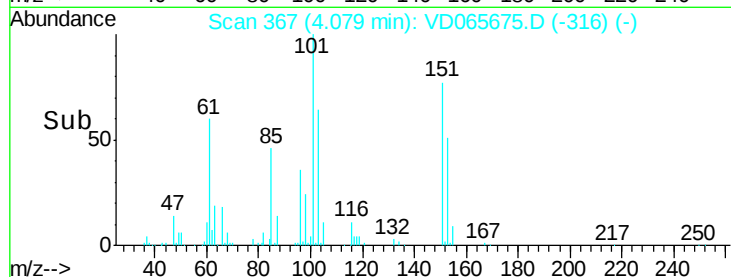
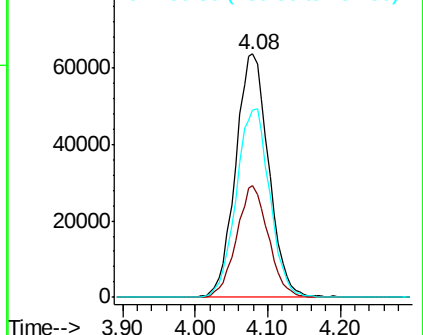
151 78.5 64.1 96.1



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: 133.406 ug/l

RT: 4.29 min Scan# 402

Delta R.T. 0.00 min

Lab File: VD065675.D

Acq: 24 Apr 2020 13:59

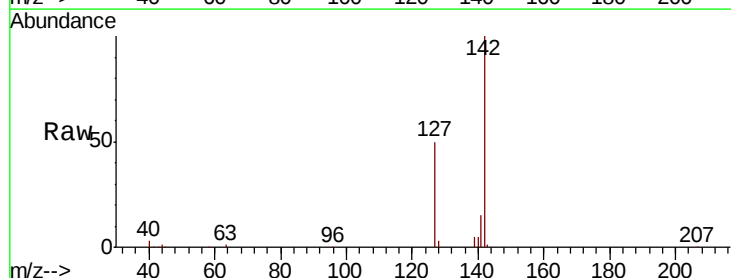
Tgt Ion:142 Resp: 197426

Ion Ratio Lower Upper

142 100

127 47.6 39.0 58.4

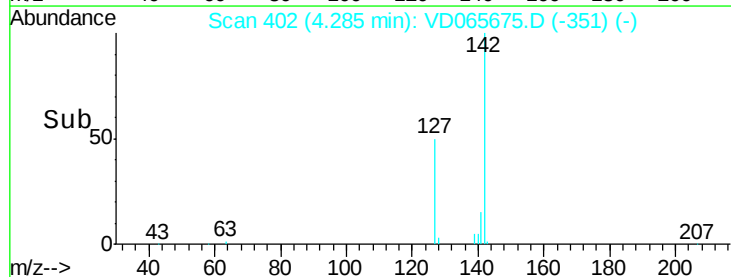
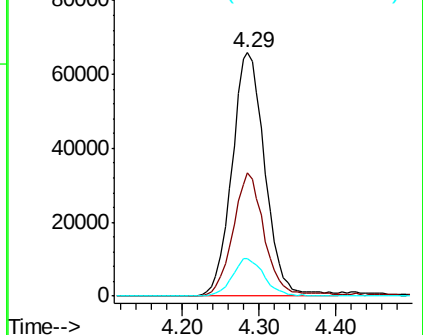
141 14.8 12.4 18.6

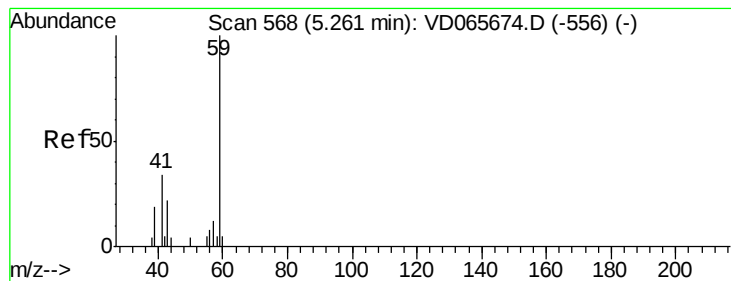


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 519.464 ug/l

RT: 5.26 min Scan# 568

Delta R.T. 0.00 min

Lab File: VD065675.D

Acq: 24 Apr 2020 13:59

Instrument :

MSVOA_D

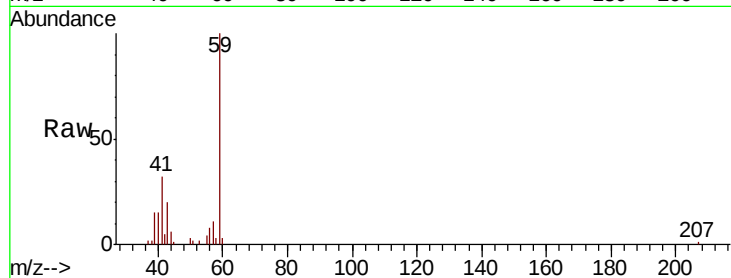
ClientSampleId :

Tot Ion: 59 Resp: 50590

Ion Ratio Lower Upper

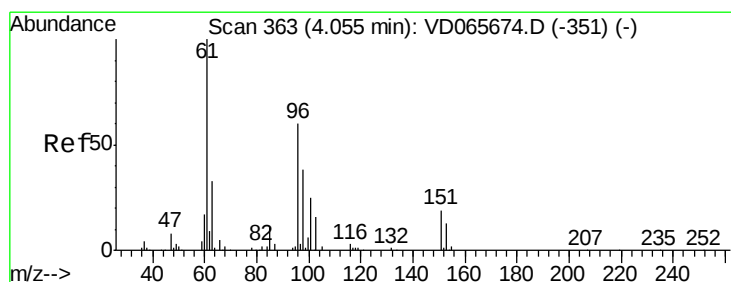
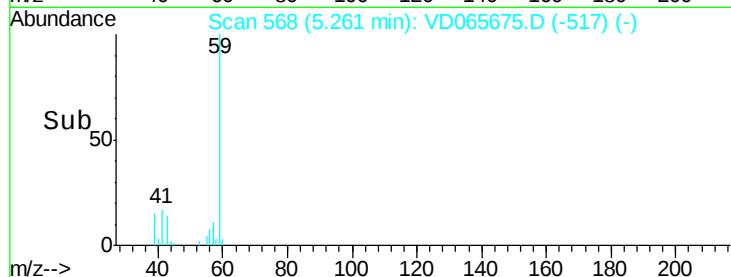
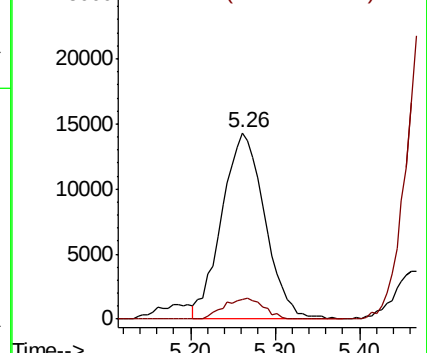
59 100

57 10.3 8.0 12.0



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 87.103 ug/l

RT: 4.05 min Scan# 362

Delta R.T. -0.01 min

Lab File: VD065675.D

Acq: 24 Apr 2020 13:59

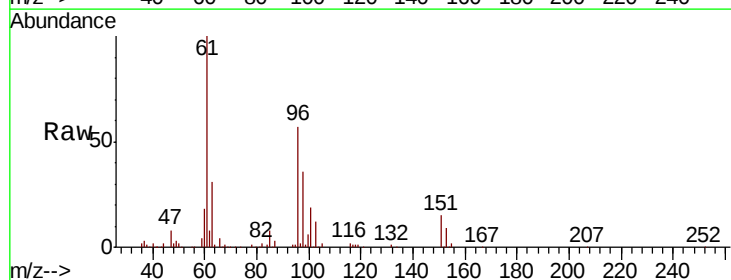
Tgt Ion: 96 Resp: 193867

Ion Ratio Lower Upper

96 100

61 175.2 132.8 199.2

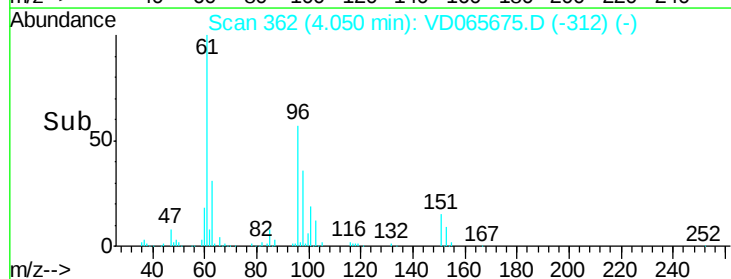
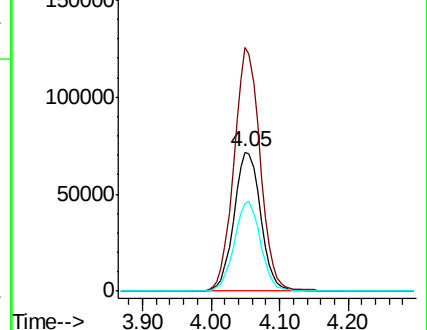
98 62.7 50.7 76.1

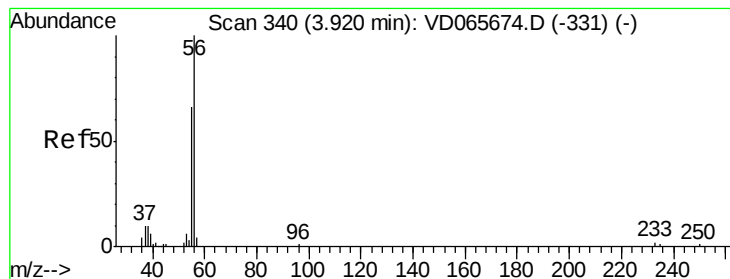


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 464.445 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD065675.D

Acq: 24 Apr 2020 13:59

Instrument :

MSVOA_D

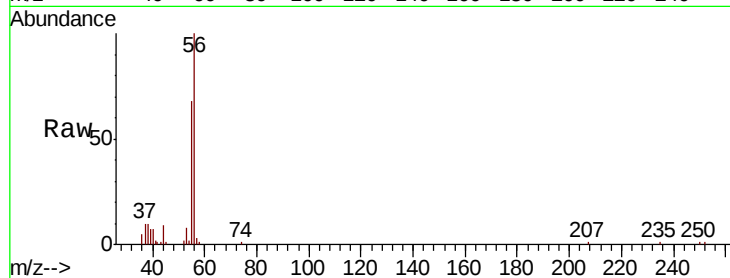
ClientSampleId :

Tot Ion: 56 Resp: 73862

Ion Ratio Lower Upper

56 100

55 72.0 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

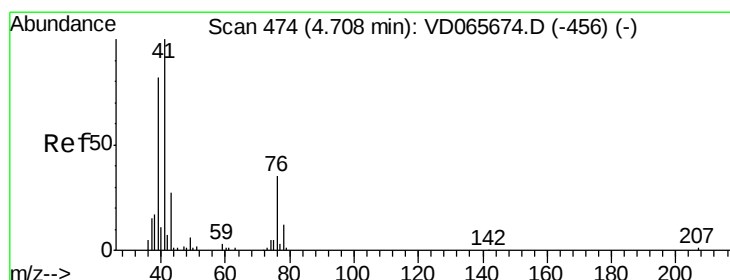
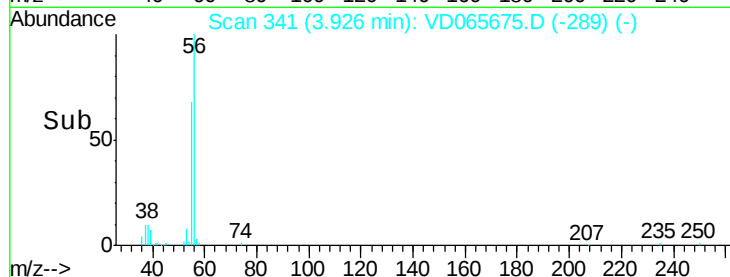
30000

20000

10000

0

Time-->



#14

Allyl chloride

Concen: 103.518 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD065675.D

Acq: 24 Apr 2020 13:59

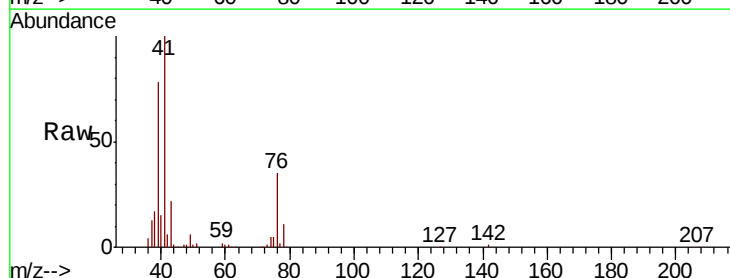
Tgt Ion: 41 Resp: 302104

Ion Ratio Lower Upper

41 100

39 75.7 63.3 94.9

76 33.4 27.8 41.8



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

120000

100000

80000

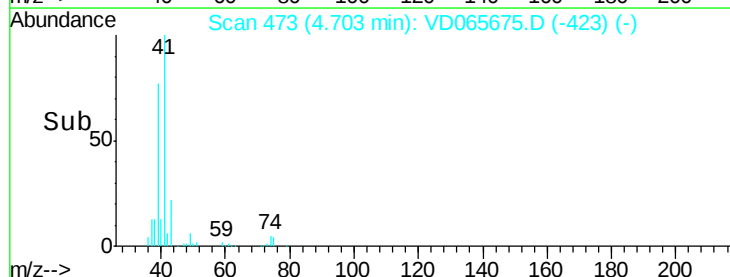
60000

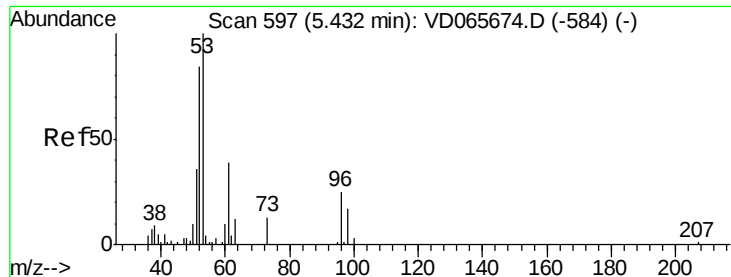
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 525.580 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065675.D

Acq: 24 Apr 2020 13:59

Instrument :

MSVOA_D

ClientSampleId :

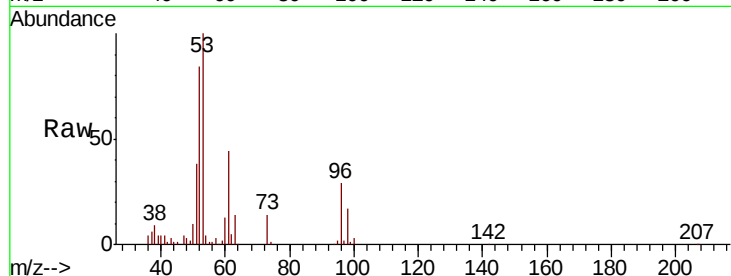
Tot Ion: 53 Resp: 210967

Ion Ratio Lower Upper

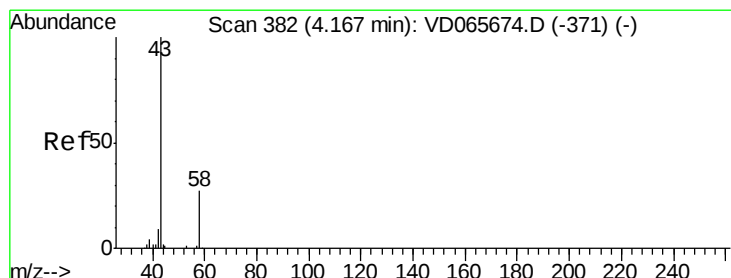
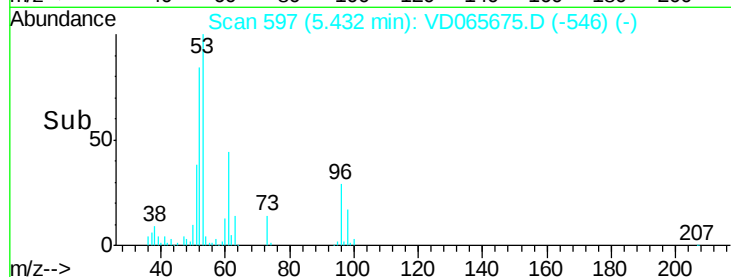
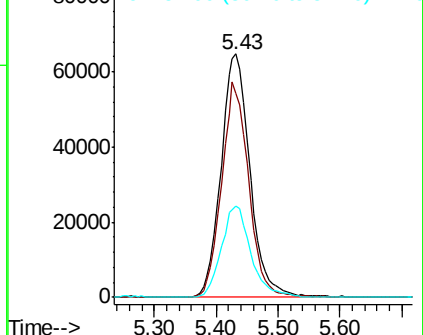
53 100

52 82.3 66.2 99.4

51 38.3 32.0 48.0



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: 412.721 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065675.D

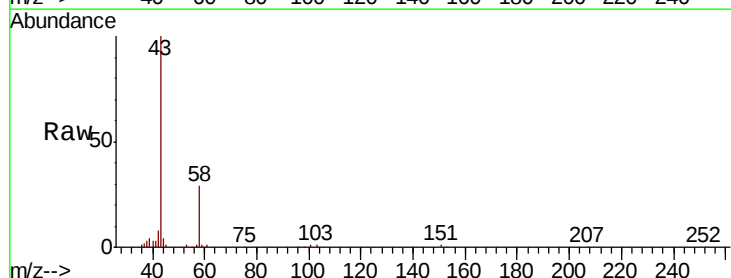
Acq: 24 Apr 2020 13:59

Tgt Ion: 43 Resp: 214274

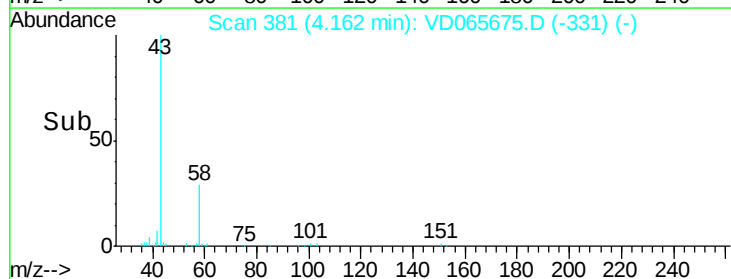
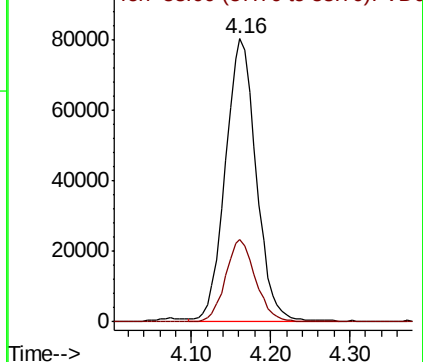
Ion Ratio Lower Upper

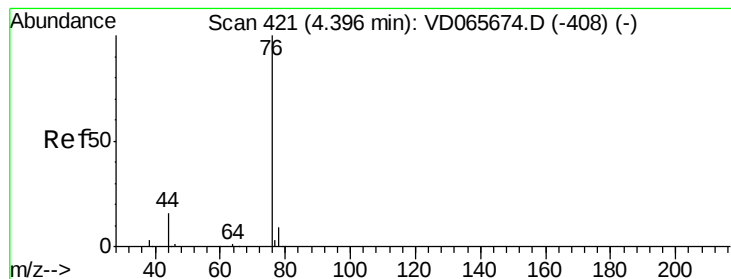
43 100

58 29.0 21.0 31.6



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





#17

Carbon Disulfide

Concen: 94.679 ug/l

RT: 4.39 min Scan# 420

Delta R.T. -0.01 min

Lab File: VD065675.D

Acq: 24 Apr 2020 13:59

Instrument :

MSVOA_D

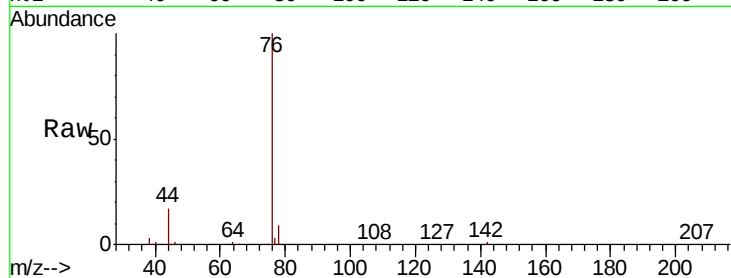
ClientSampled :

Tot Ion: 76 Resp: 554713

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.39

200000

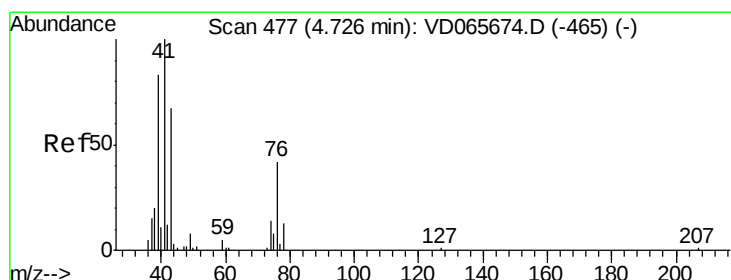
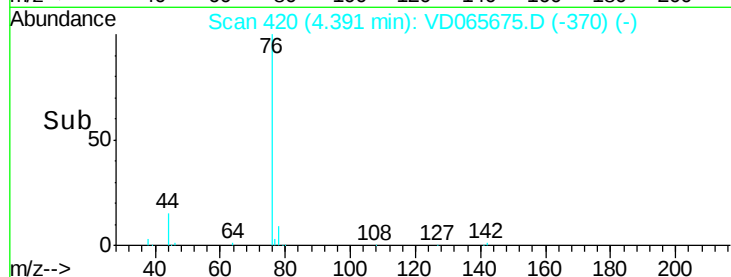
150000

100000

50000

0

Time--> 4.20 4.30 4.40 4.50 4.60



#18

Methyl Acetate

Concen: 95.506 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065675.D

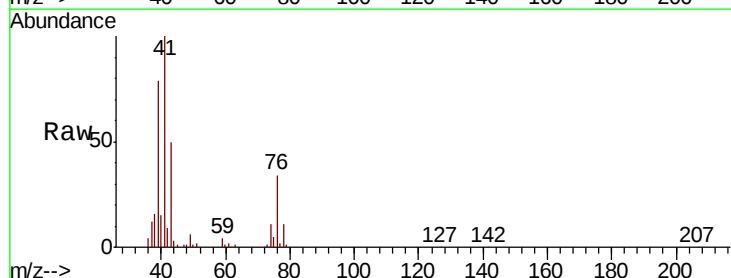
Acq: 24 Apr 2020 13:59

Tgt Ion: 43 Resp: 106962

Ion Ratio Lower Upper

43 100

74 22.3 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

40000

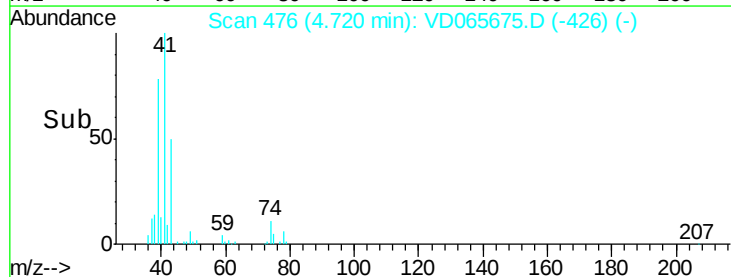
30000

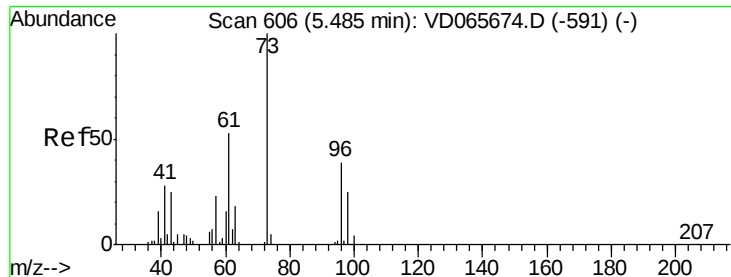
20000

10000

0

Time--> 4.60 4.70 4.80 4.90

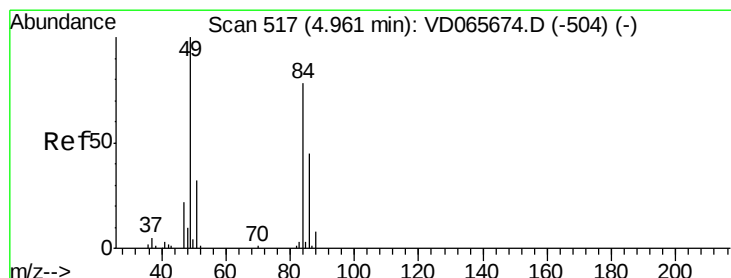
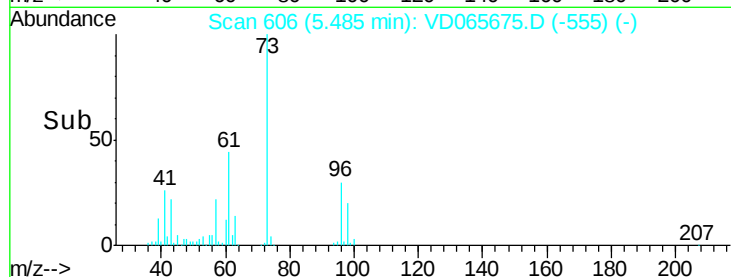
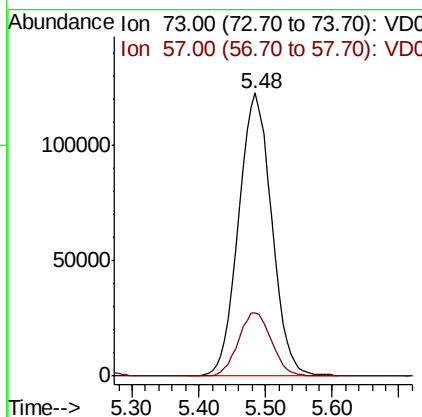
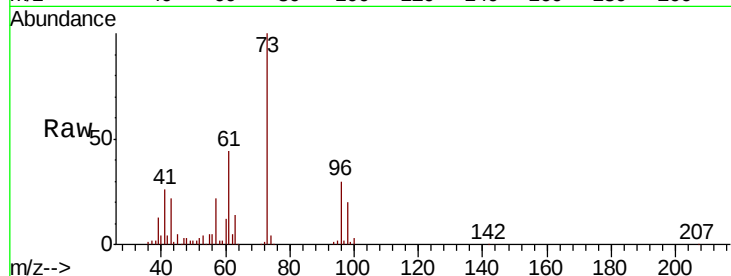




#19
Methvl tert-butvl Ether
Concen: 117.440 ug/l
RT: 5.48 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065675.D
Acq: 24 Apr 2020 13:59

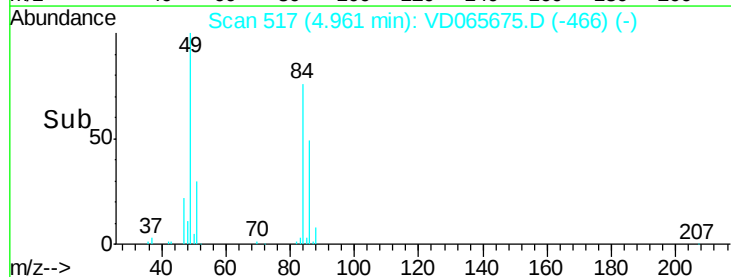
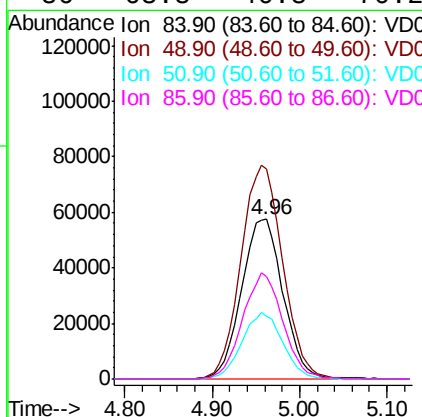
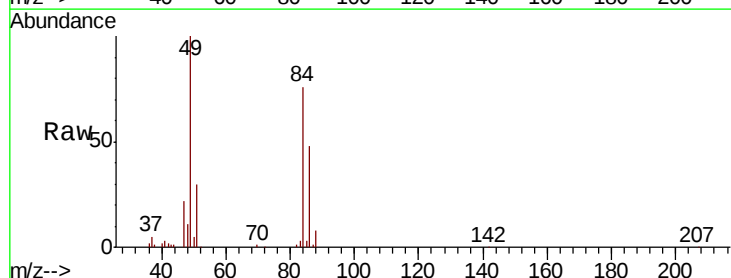
Instrument :
MSVOA_D
ClientSampled :

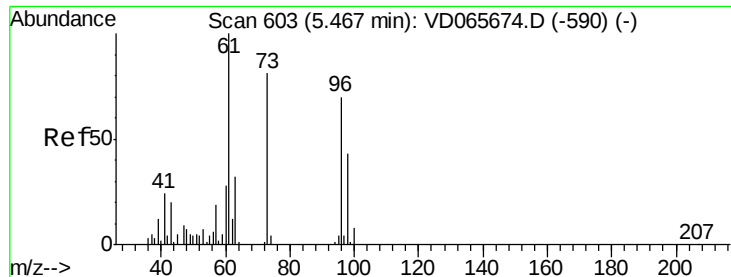
Tot Ion: 73 Resp: 419752
Ion Ratio Lower Upper
73 100
57 22.2 18.3 27.5



#20
Methylene Chloride
Concen: 82.335 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065675.D
Acq: 24 Apr 2020 13:59

Tgt Ion: 84 Resp: 186135
Ion Ratio Lower Upper
84 100
49 131.7 103.1 154.7
51 39.3 33.3 49.9
86 63.8 46.8 70.2





#21

trans-1,2-Dichloroethene

Concen: 98.565 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD065675.D

Acq: 24 Apr 2020 13:59

Instrument :

MSVOA_D

ClientSampled :

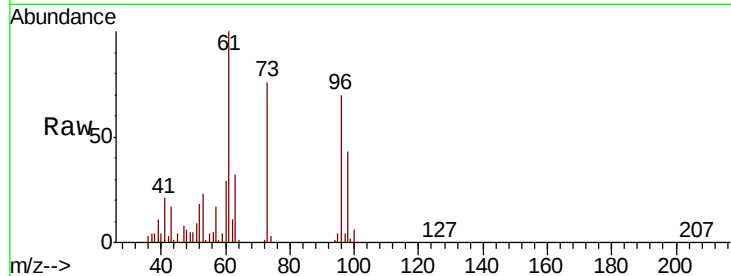
Tot Ion: 96 Resp: 204184

Ion Ratio Lower Upper

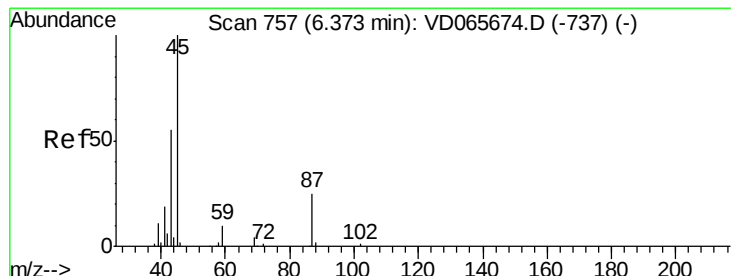
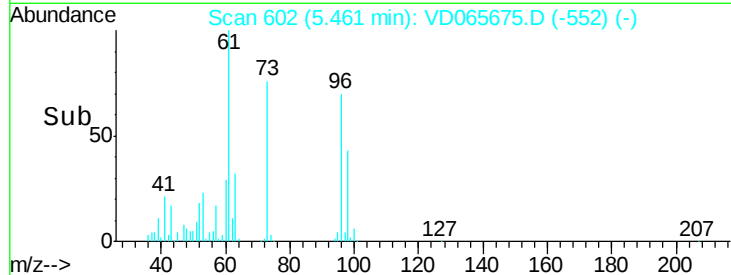
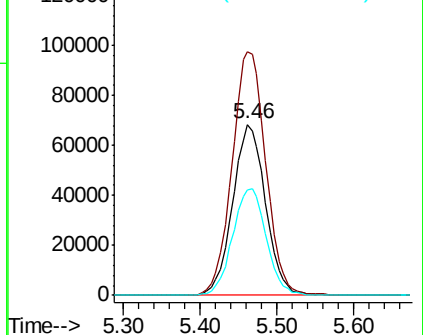
96 100

61 142.5 114.8 172.2

98 61.9 49.4 74.0



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



#22

Diisopropyl ether

Concen: 114.765 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD065675.D

Acq: 24 Apr 2020 13:59

Tgt Ion: 45 Resp: 677400

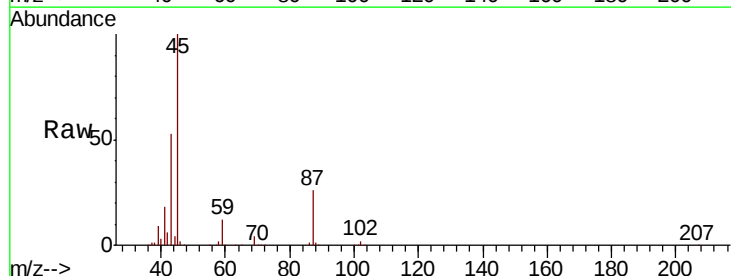
Ion Ratio Lower Upper

45 100

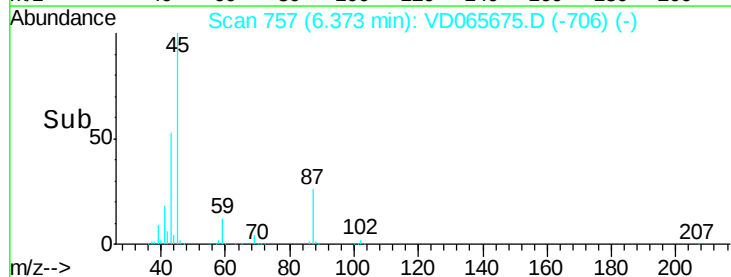
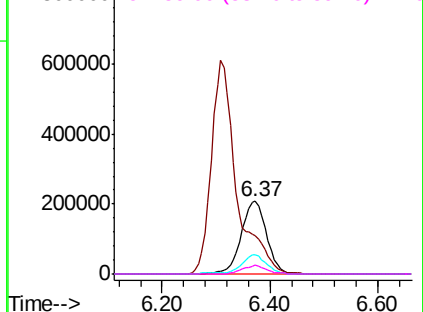
43 52.9 45.2 67.8

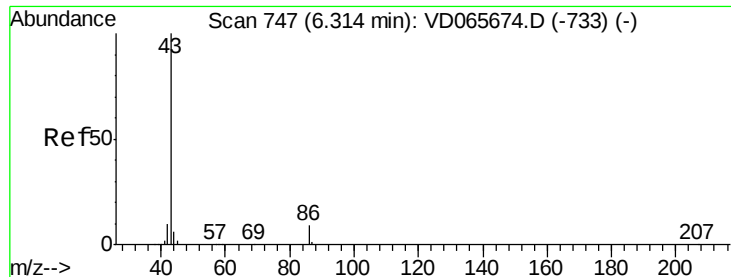
87 26.0 20.8 31.2

59 11.7 8.6 13.0



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 635.493 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065675.D

Acq: 24 Apr 2020 13:59

Instrument :

MSVOA_D

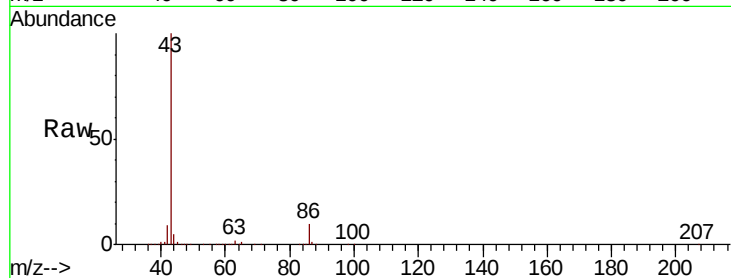
ClientSampleId :

Tot Ion: 43 Resp: 1994682

Ion Ratio Lower Upper

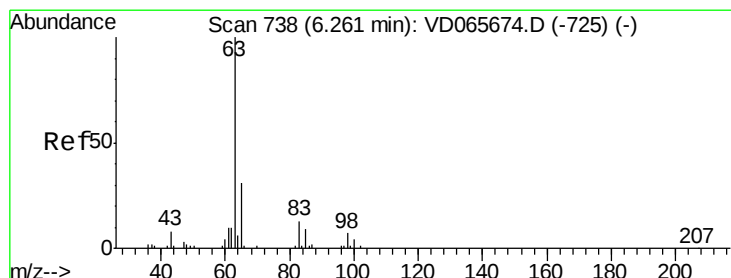
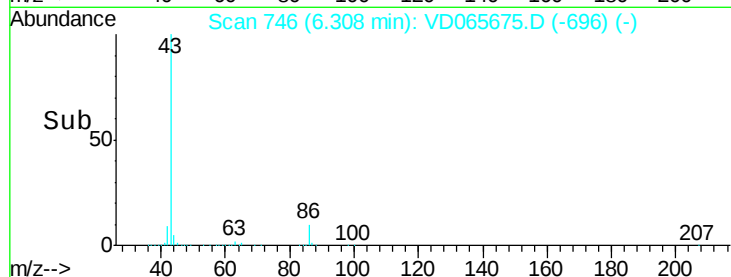
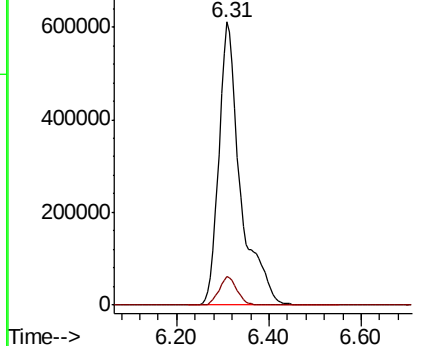
43 100

86 10.0 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 96.861 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD065675.D

Acq: 24 Apr 2020 13:59

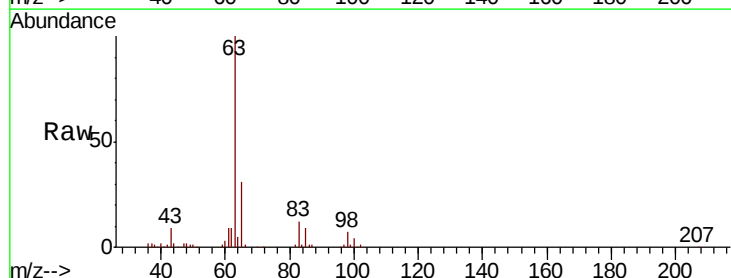
Tgt Ion: 63 Resp: 381014

Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.4

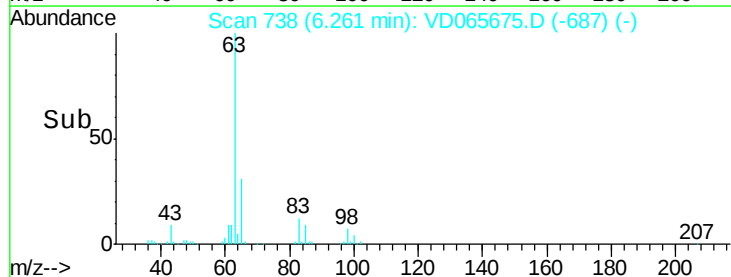
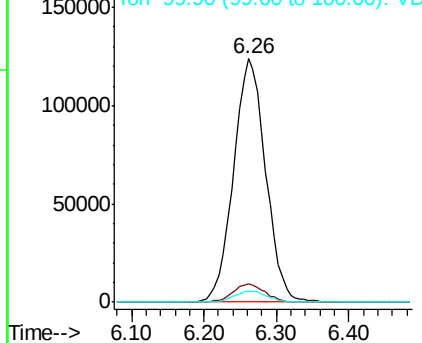
100 4.4 2.2 6.6

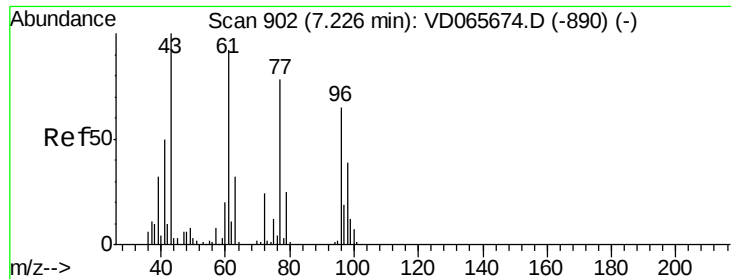


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 557.648 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD065675.D

Acq: 24 Apr 2020 13:59

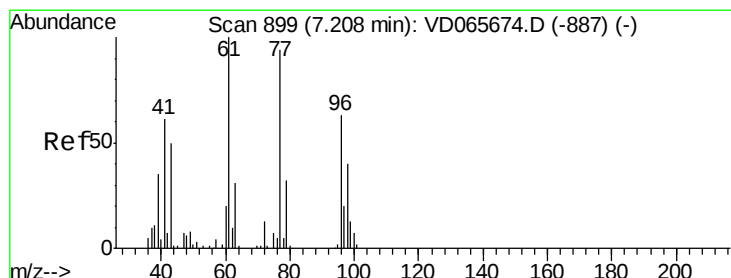
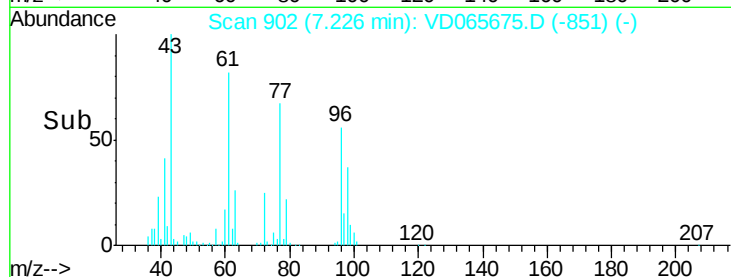
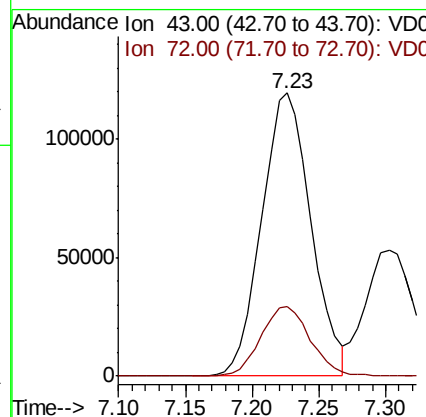
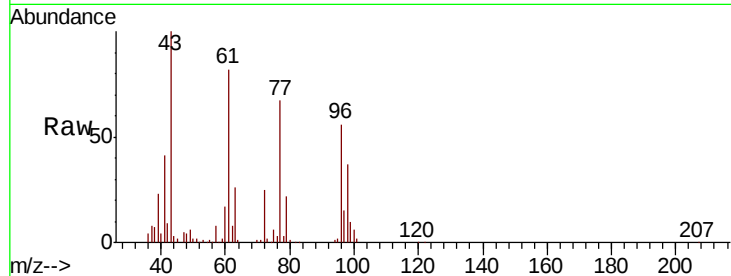
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 305306

Ion Ratio Lower Upper

43 100

72 24.5 19.3 28.9



#26

2,2-Dichloropropane

Concen: 94.520 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065675.D

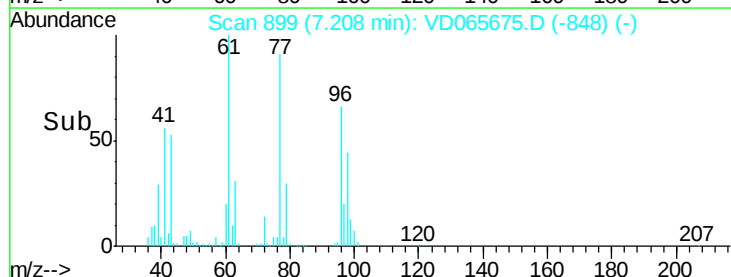
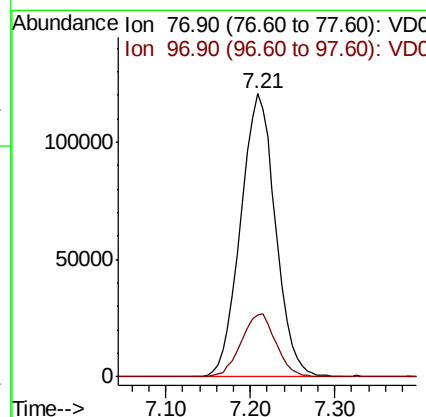
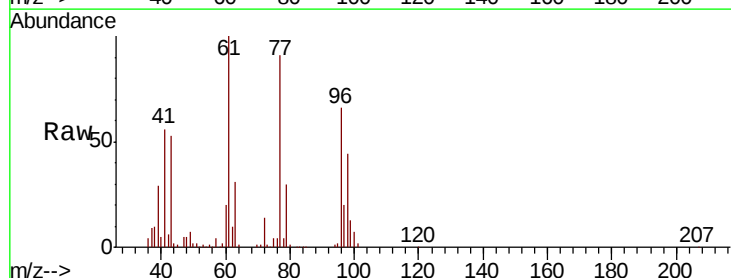
Acq: 24 Apr 2020 13:59

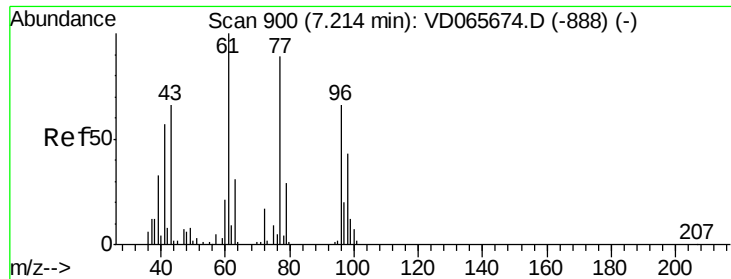
Tgt Ion: 77 Resp: 346188

Ion Ratio Lower Upper

77 100

97 22.0 10.8 32.3



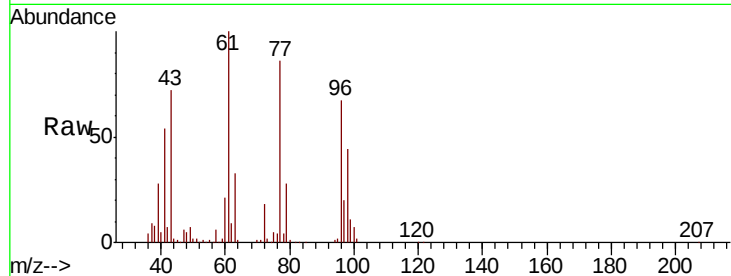


#27

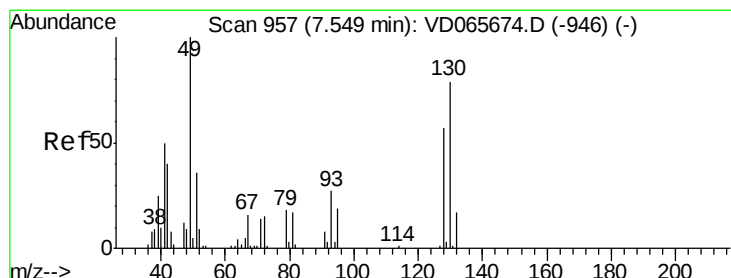
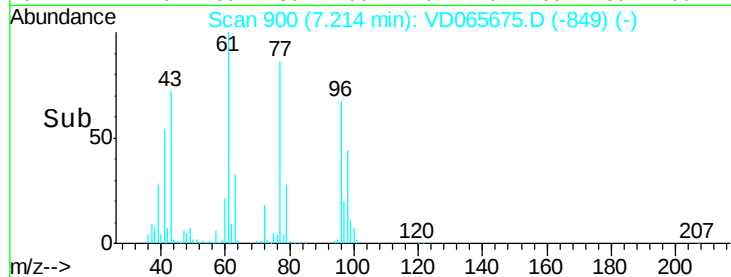
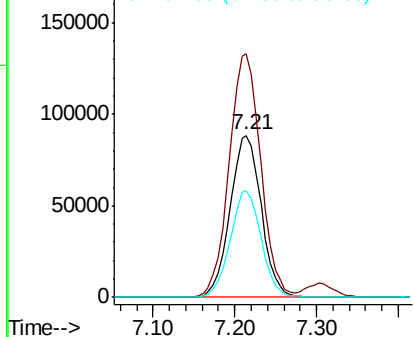
cis-1,2-Dichloroethene
Concen: 106.341 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065675.D
Acq: 24 Apr 2020 13:59

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	96	Resp	234842
Ion	Ratio	Lower	Upper
96	100		
61	152.1	0.0	304.6
98	65.5	0.0	126.6



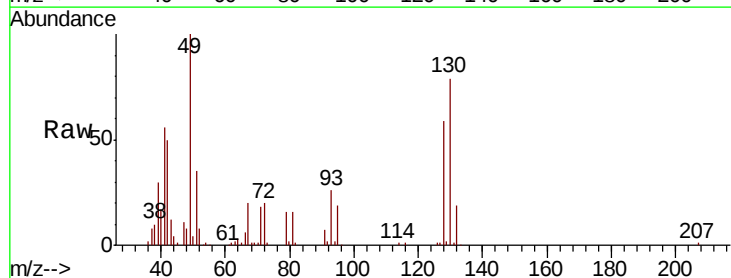
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



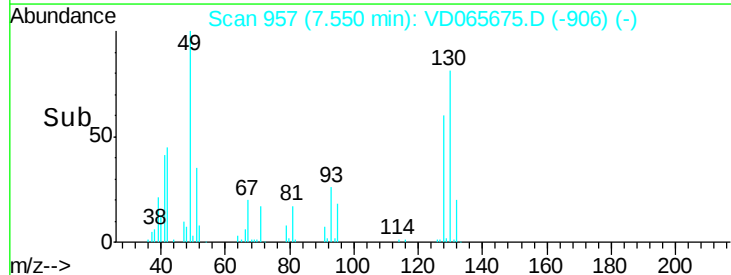
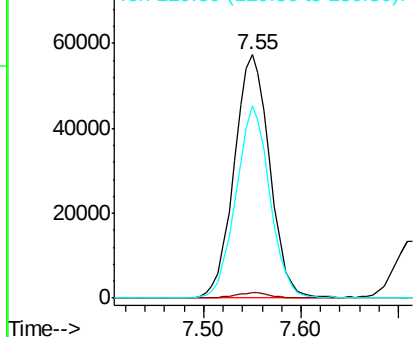
#28

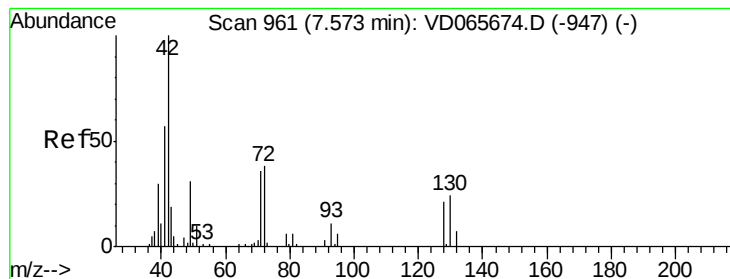
Bromochloromethane
Concen: 90.064 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD065675.D
Acq: 24 Apr 2020 13:59

Tgt Ion	49	Resp	145417
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	2.4
130	75.2	60.7	91.1



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





#29

Tetrahydrofuran

Concen: 600.121 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD065675.D

Acq: 24 Apr 2020 13:59

Instrument :
MSVOA_D
ClientSampled :

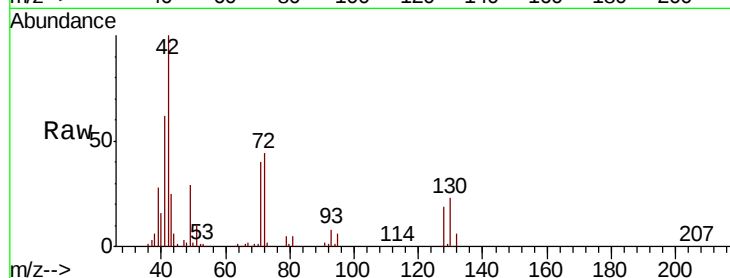
Tot Ion: 42 Resp: 195233

Ion Ratio Lower Upper

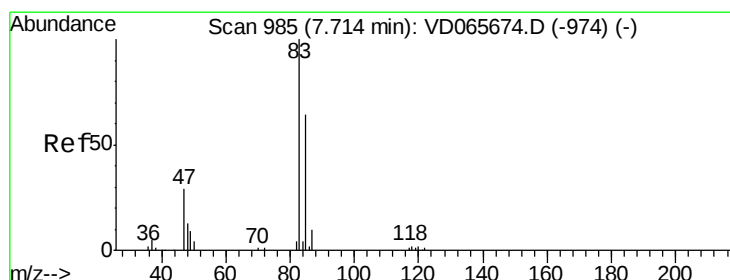
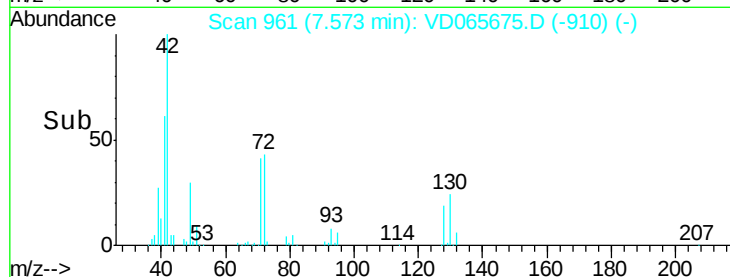
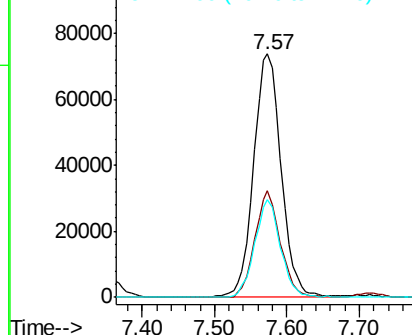
42 100

72 40.2 31.2 46.8

71 37.3 28.9 43.3



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



#30

Chloroform

Concen: 92.993 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD065675.D

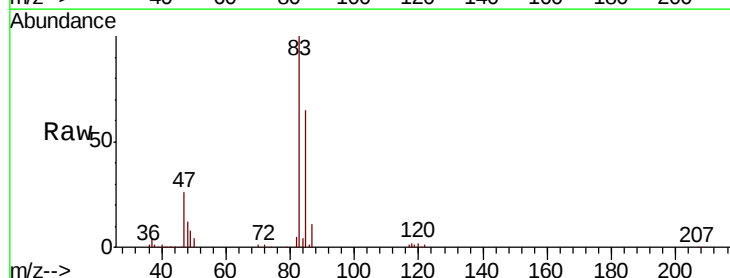
Acq: 24 Apr 2020 13:59

Tgt Ion: 83 Resp: 390573

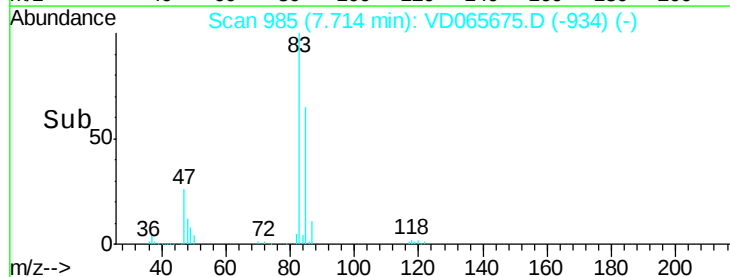
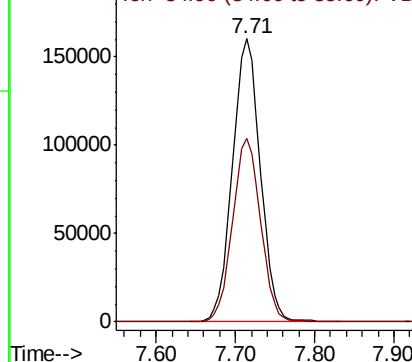
Ion Ratio Lower Upper

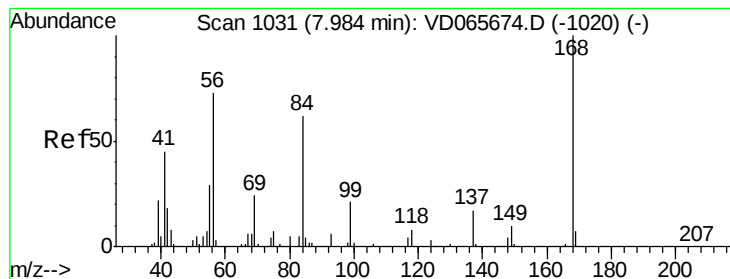
83 100

85 64.7 51.5 77.3



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





#31

Cyclohexane

Concen: 100.208 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065675.D

Acq: 24 Apr 2020 13:59

Instrument :
MSVOA_D
ClientSampleId :

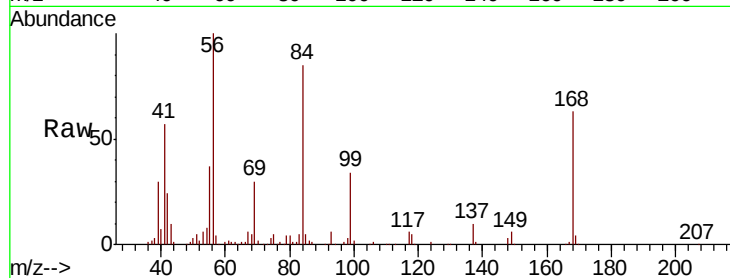
Tot Ion: 56 Resp: 371997

Ion Ratio Lower Upper

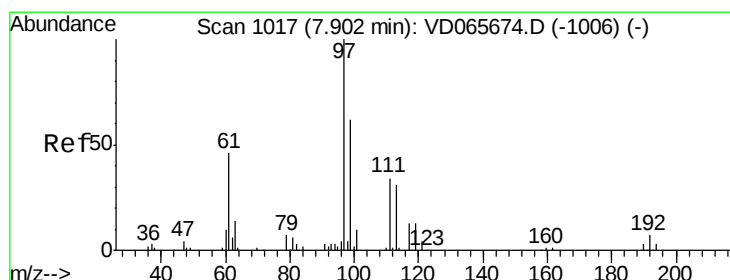
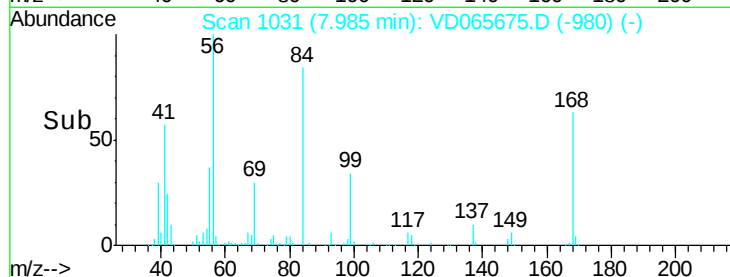
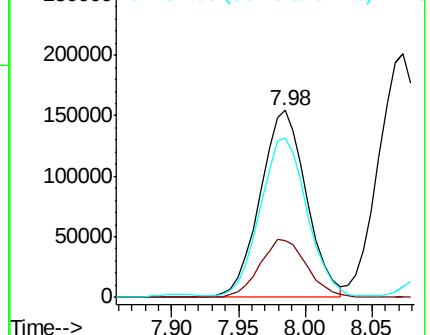
56 100

69 30.4 25.8 38.6

84 83.8 68.3 102.5



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: 94.750 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VD065675.D

Acq: 24 Apr 2020 13:59

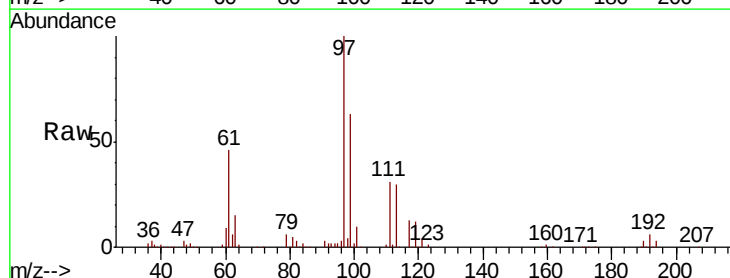
Tgt Ion: 97 Resp: 361906

Ion Ratio Lower Upper

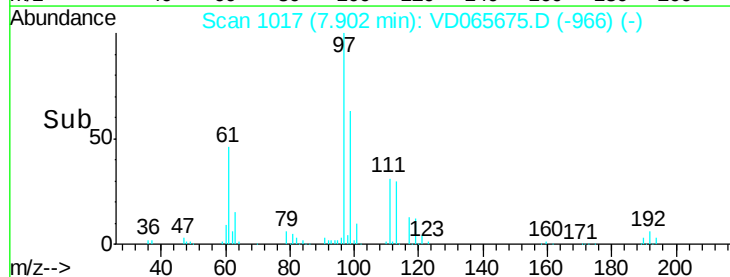
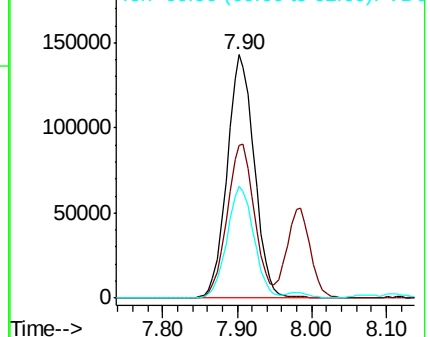
97 100

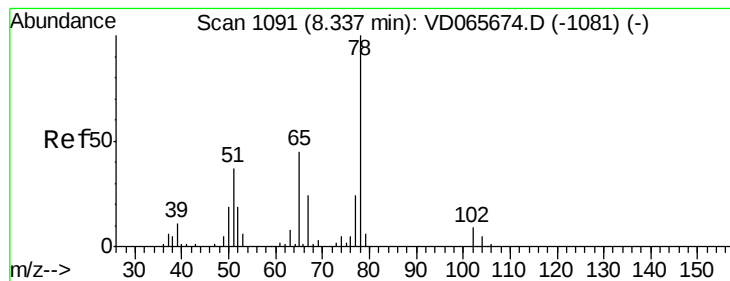
99 64.0 51.0 76.4

61 45.5 37.4 56.2



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: 84.707 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065675.D

Acq: 24 Apr 2020 13:59

Instrument :

MSVOA_D

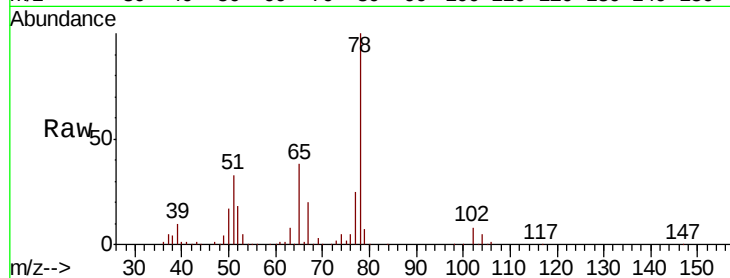
ClientSampleId :

Tot Ion: 65 Resp: 189941

Ion Ratio Lower Upper

65 100

67 51.2 0.0 100.2

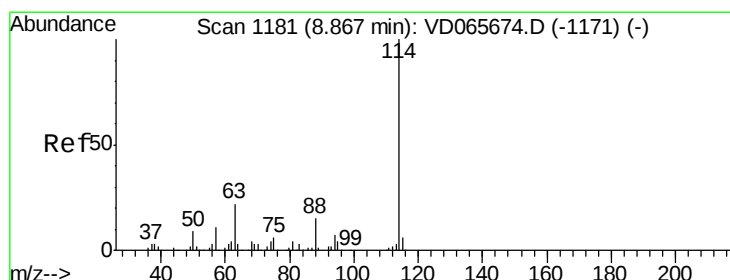
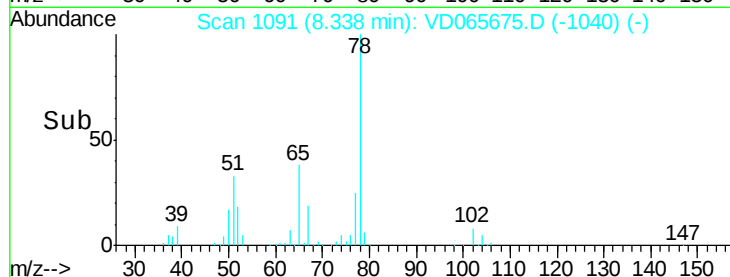


Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065675.D

Acq: 24 Apr 2020 13:59

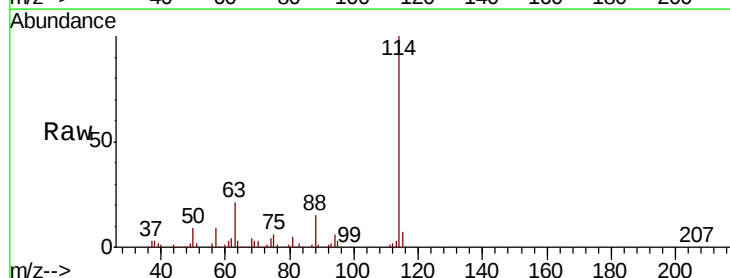
Tgt Ion: 114 Resp: 285327

Ion Ratio Lower Upper

114 100

63 20.8 0.0 44.0

88 15.4 0.0 30.4



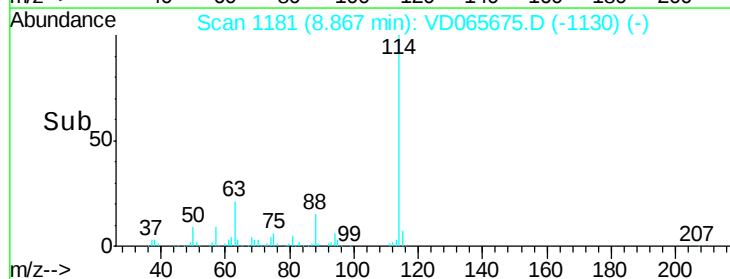
Abundance Ion 113.90 (113.60 to 114.60): VDC

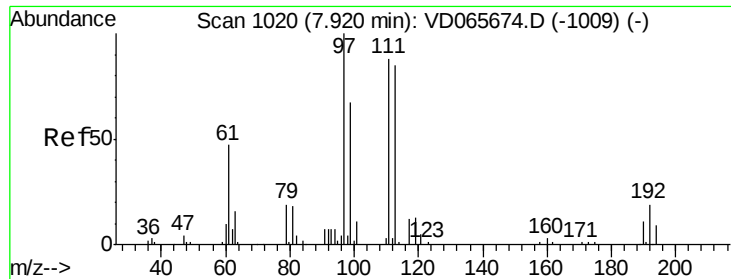
Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

Time-->

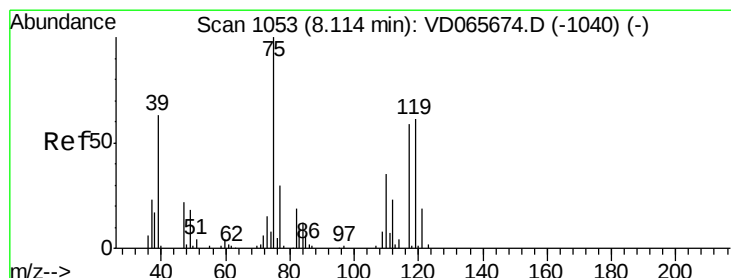
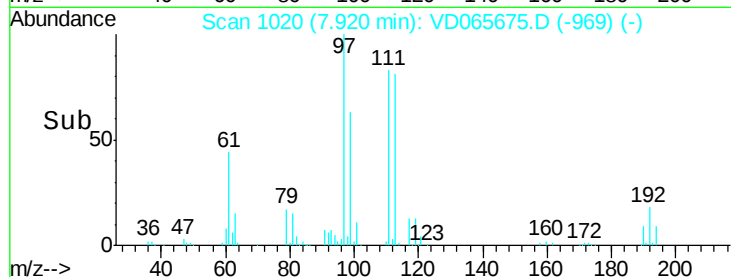
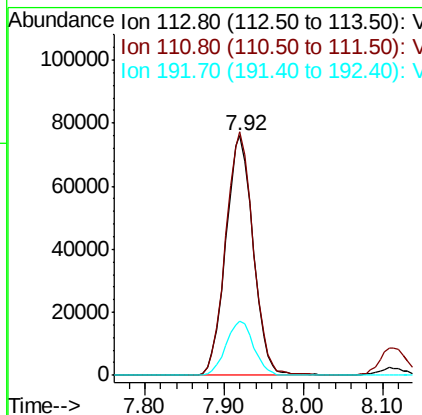
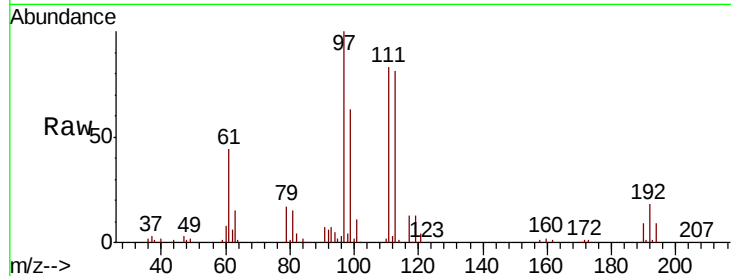




#35
 Dibromofluoromethane
 Concen: 91.149 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065675.D
 Acq: 24 Apr 2020 13:59

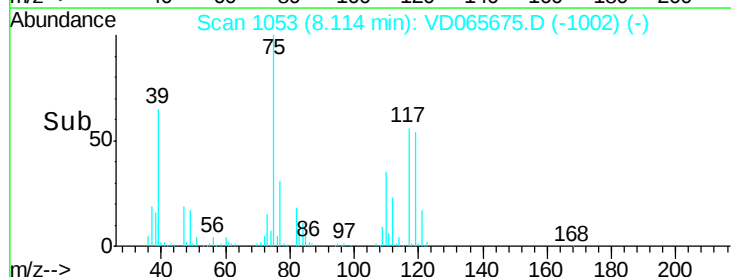
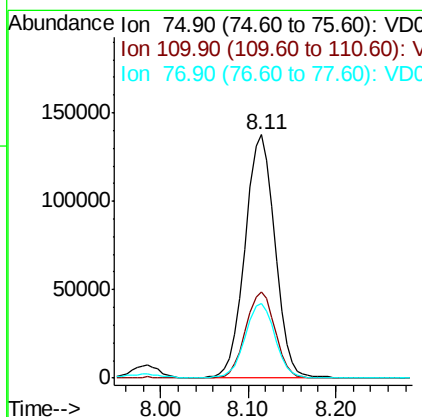
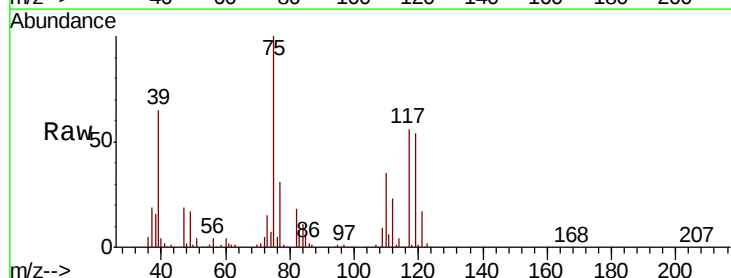
Instrument :
 MSVOA_D
 ClientSampled :

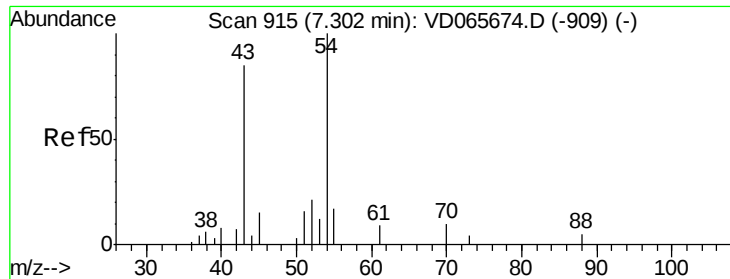
Tot Ion:113 Resp: 181156
 Ion Ratio Lower Upper
 113 100
 111 102.0 83.4 125.0
 192 22.8 17.7 26.5



#36
 1,1-Dichloropropene
 Concen: 106.229 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065675.D
 Acq: 24 Apr 2020 13:59

Tgt Ion: 75 Resp: 319755
 Ion Ratio Lower Upper
 75 100
 110 34.9 17.2 51.5
 77 30.9 24.5 36.7

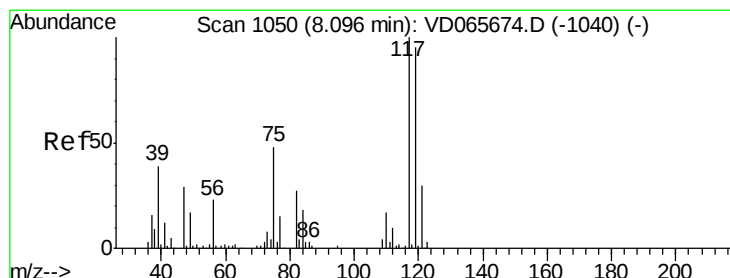
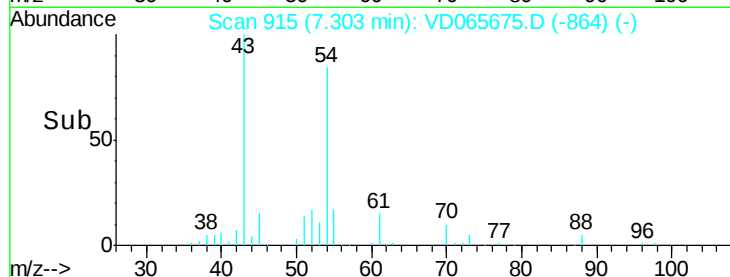
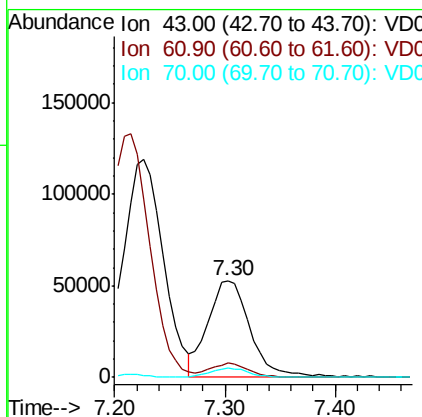
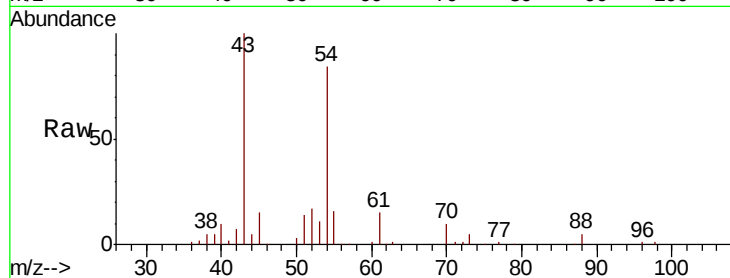




#37
Ethyl Acetate
Concen: 117.818 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065675.D
Acq: 24 Apr 2020 13:59

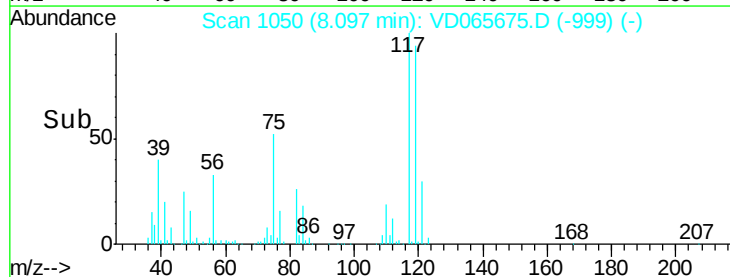
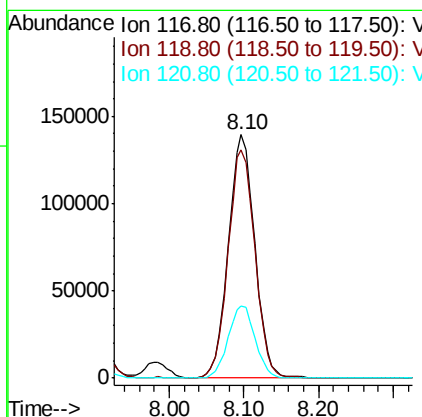
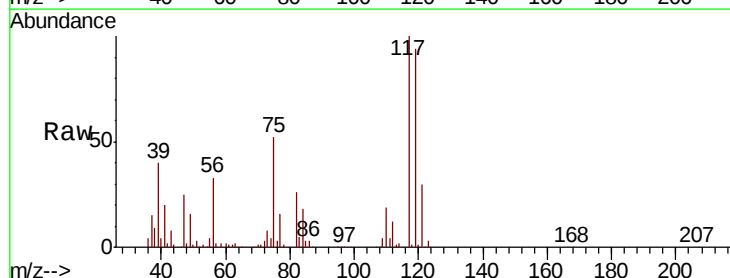
Instrument :
MSVOA_D
ClientSampleId :

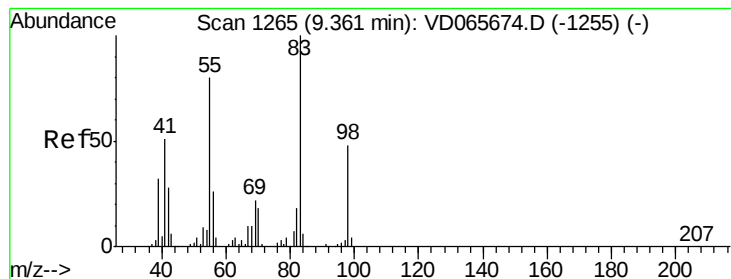
Tot Ion: 43 Resp: 137737
Ion Ratio Lower Upper
43 100
61 12.9 11.3 16.9
70 9.3 7.5 11.3



#38
Carbon Tetrachloride
Concen: 98.774 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065675.D
Acq: 24 Apr 2020 13:59

Tgt Ion: 117 Resp: 341610
Ion Ratio Lower Upper
117 100
119 93.9 75.8 113.6
121 29.6 23.8 35.8





#39

Methvlcvclohexane

Concen: 127.133 ug/l

RT: 9.36 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VD065675.D

Acq: 24 Apr 2020 13:59

Instrument :

MSVOA_D

ClientSampleId :

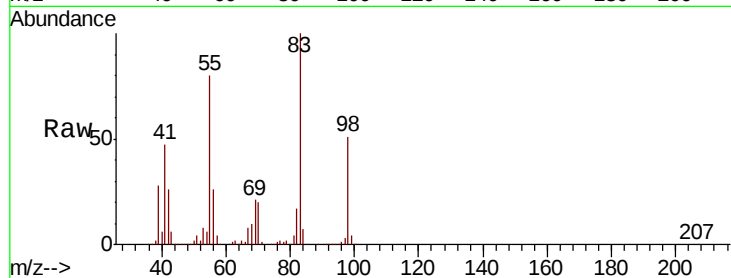
Tot Ion: 83 Resp: 393492

Ion Ratio Lower Upper

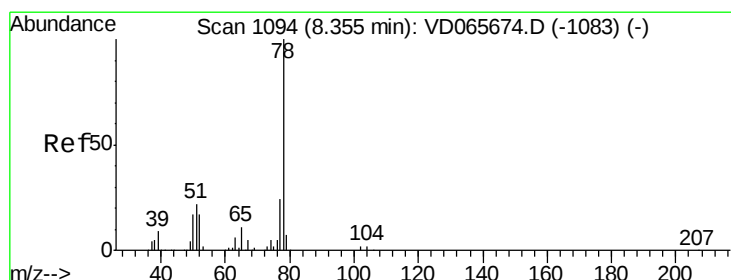
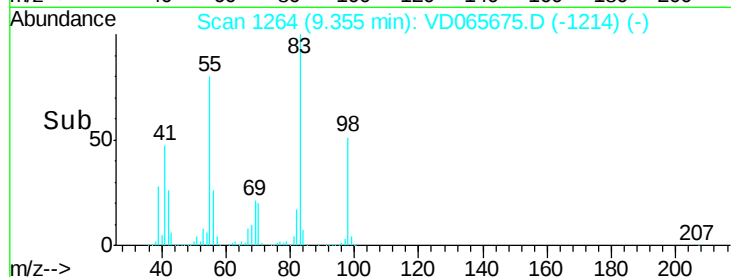
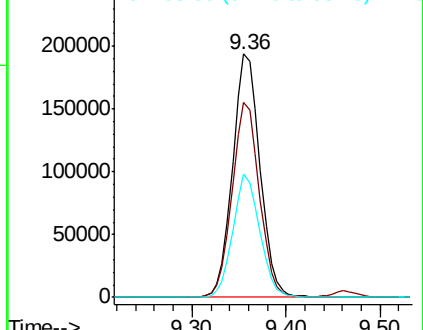
83 100

55 80.3 64.2 96.2

98 50.6 38.1 57.1



Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC



#40

Benzene

Concen: 107.353 ug/l

RT: 8.36 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VD065675.D

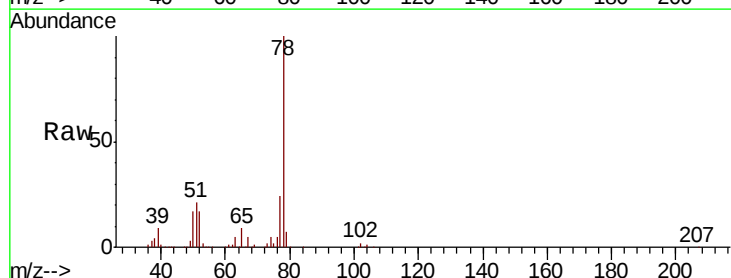
Acq: 24 Apr 2020 13:59

Tgt Ion: 78 Resp: 887305

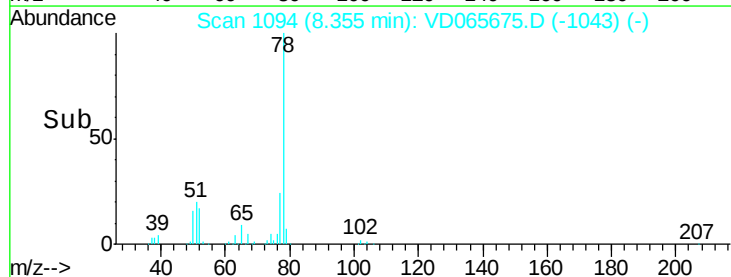
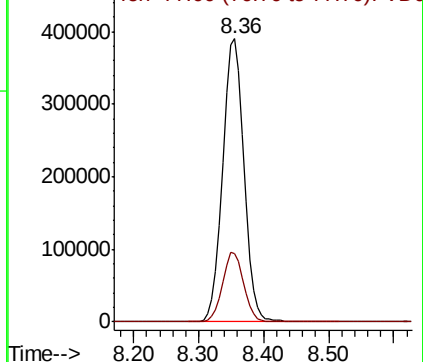
Ion Ratio Lower Upper

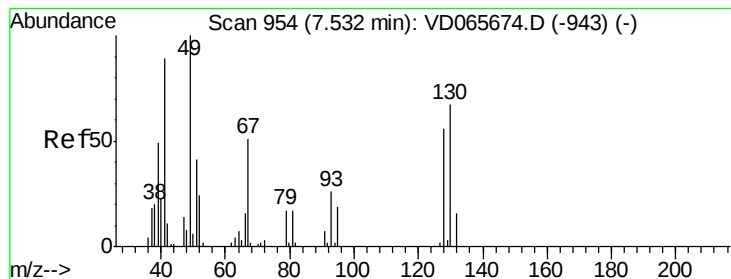
78 100

77 24.2 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 138.803 ug/l

RT: 7.53 min Scan# 954

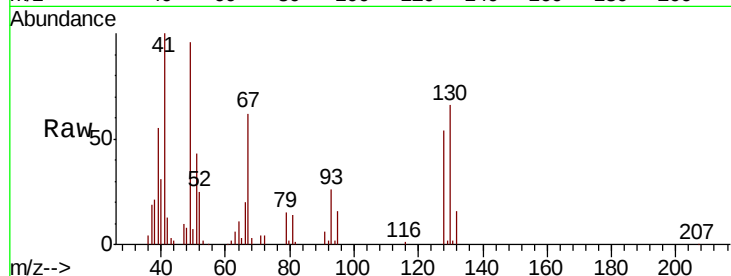
Delta R.T. 0.00 min

Lab File: VD065675.D

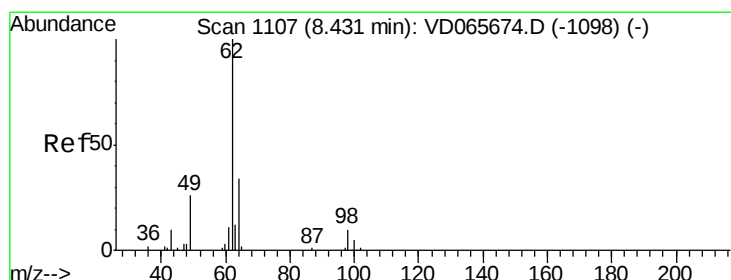
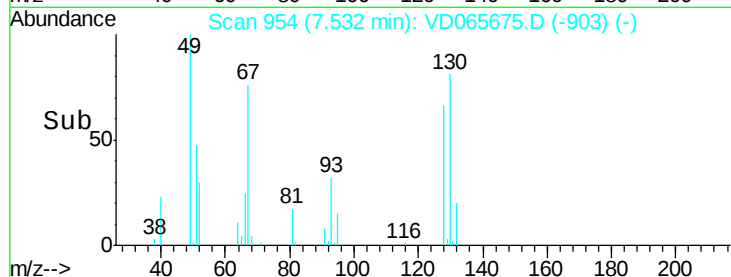
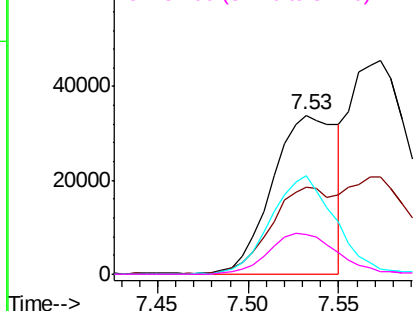
Acq: 24 Apr 2020 13:59

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	41	Resp:	84502
Ion	Ratio	Lower	Upper
41	100		
39	47.9	0.0	0.0#
67	62.1	56.0	84.0
52	27.8	27.0	40.4



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: 101.990 ug/l

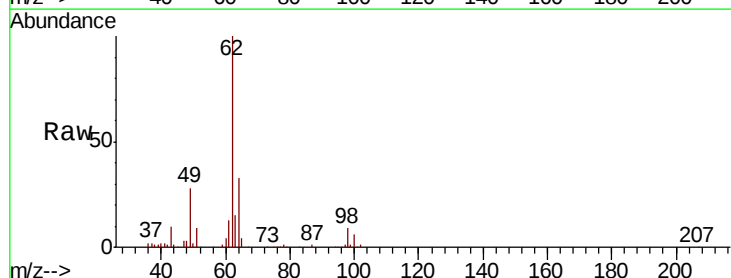
RT: 8.43 min Scan# 1107

Delta R.T. 0.00 min

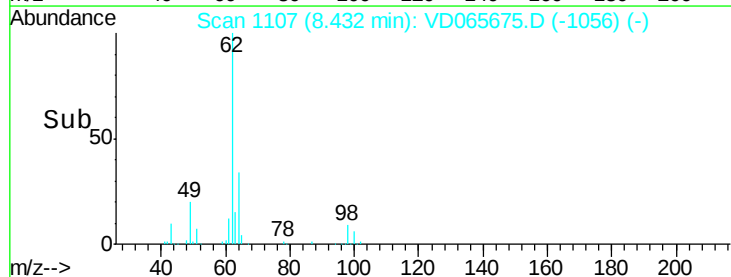
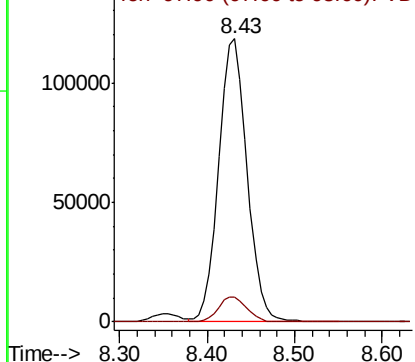
Lab File: VD065675.D

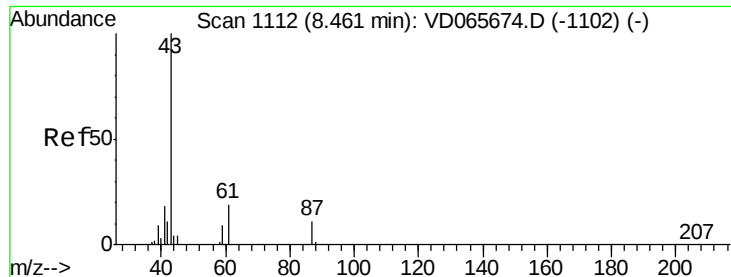
Acq: 24 Apr 2020 13:59

Tgt Ion:	62	Resp:	264457
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.2



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





#43

Isopropyl Acetate

Concen: 120.780 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065675.D

Acq: 24 Apr 2020 13:59

Instrument :

MSVOA_D

ClientSampleId :

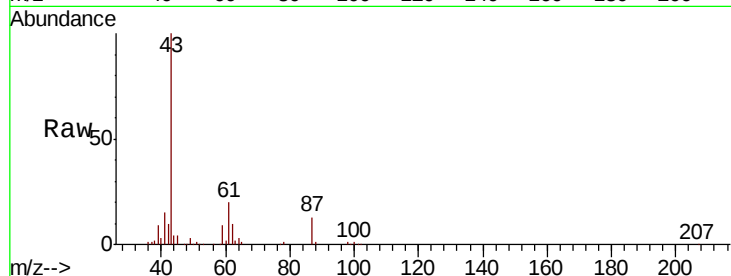
Tot Ion: 43 Resp: 257368

Ion Ratio Lower Upper

43 100

61 29.5 24.4 36.6

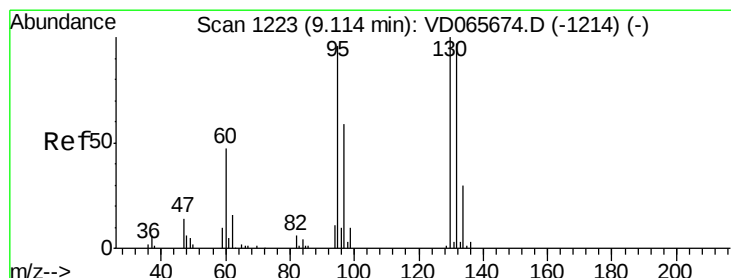
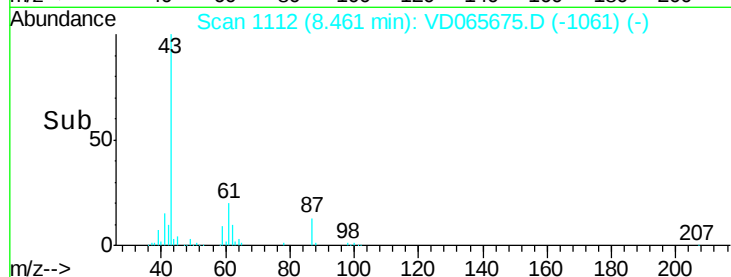
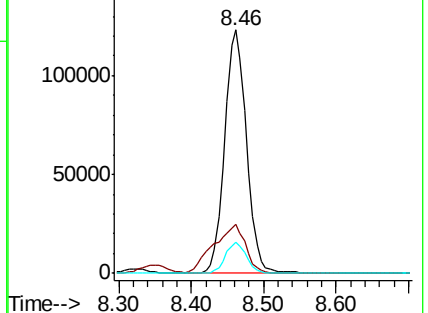
87 12.3 9.3 13.9



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: 101.062 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065675.D

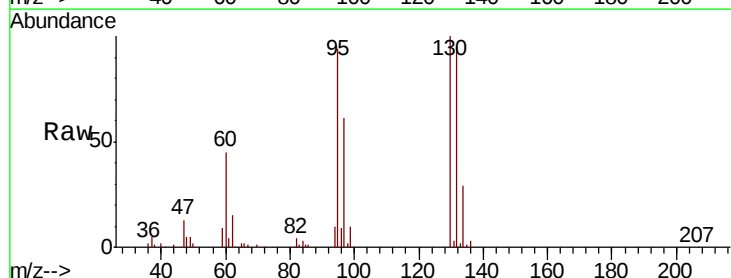
Acq: 24 Apr 2020 13:59

Tgt Ion:130 Resp: 236179

Ion Ratio Lower Upper

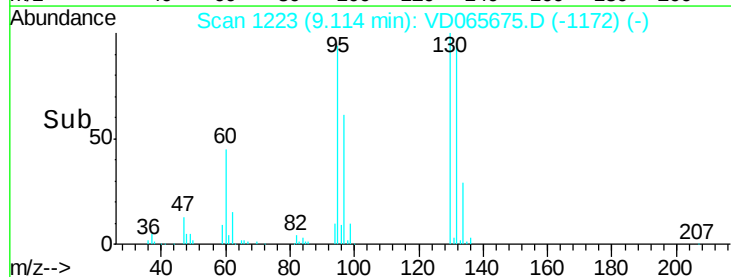
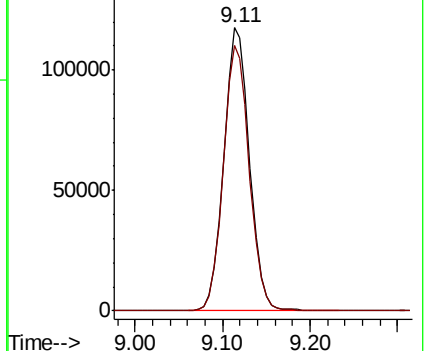
130 100

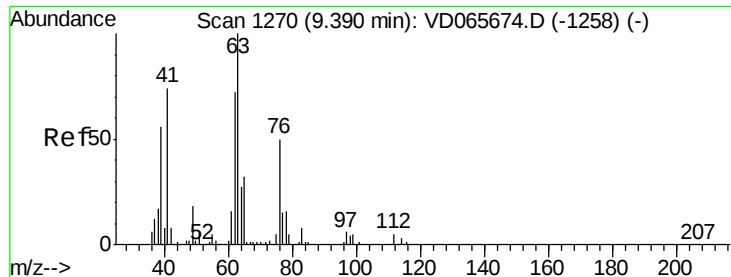
95 93.9 0.0 191.8



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 104.130 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065675.D

Acq: 24 Apr 2020 13:59

Instrument :

MSVOA_D

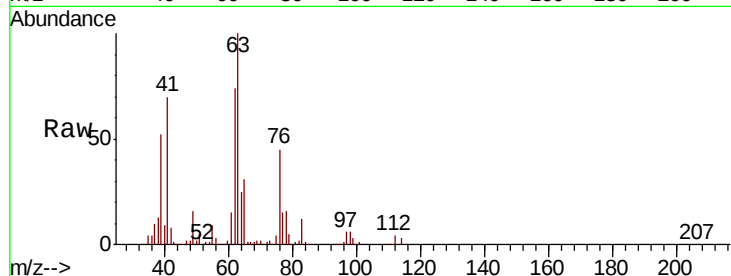
ClientSampleId :

Tot Ion: 63 Resp: 219287

Ion Ratio Lower Upper

63 100

65 31.2 25.5 38.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

120000

100000

80000

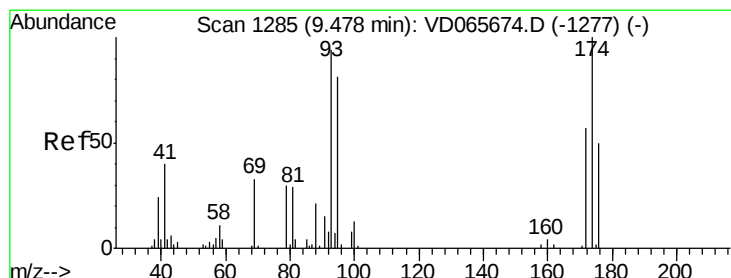
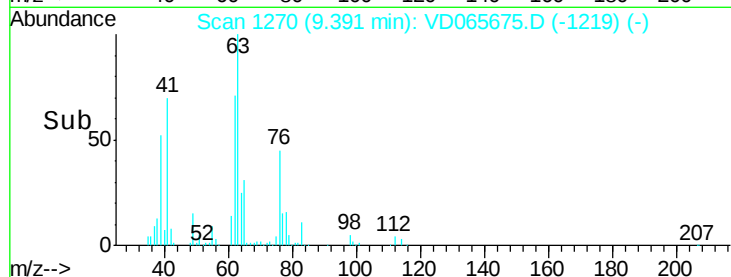
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 104.701 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065675.D

Acq: 24 Apr 2020 13:59

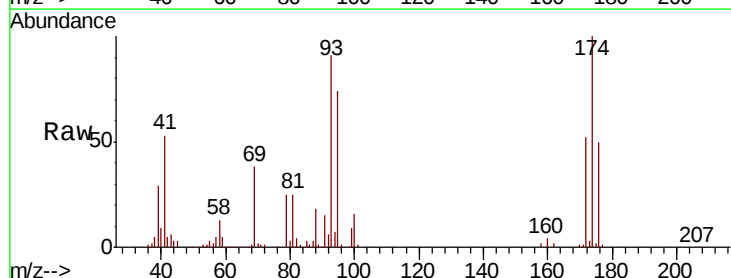
Tgt Ion: 93 Resp: 114292

Ion Ratio Lower Upper

93 100

95 81.8 66.1 99.1

174 110.5 86.4 129.6



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC

9.48

80000

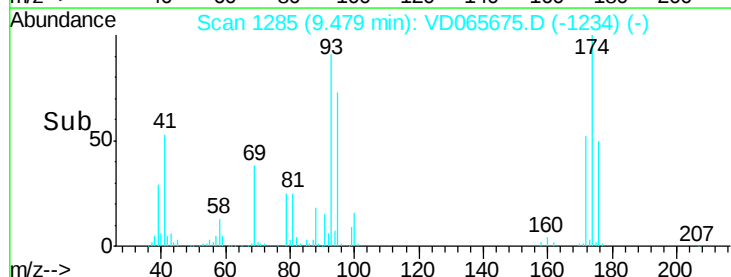
60000

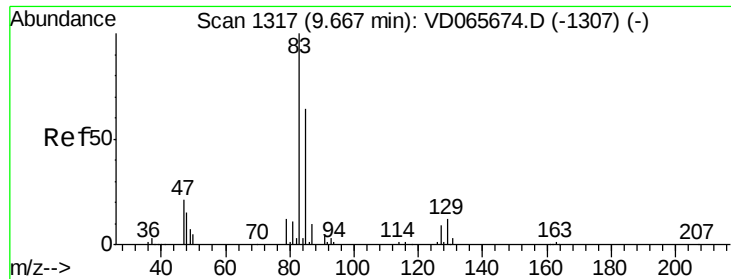
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 100.959 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065675.D

Acq: 24 Apr 2020 13:59

Instrument :

MSVOA_D

ClientSampleId :

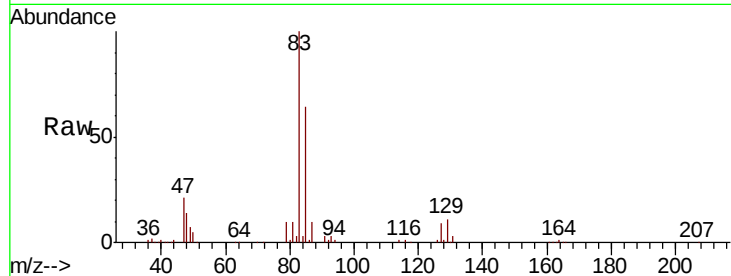
Tot Ion: 83 Resp: 302798

Ion Ratio Lower Upper

83 100

85 63.6 51.0 76.6

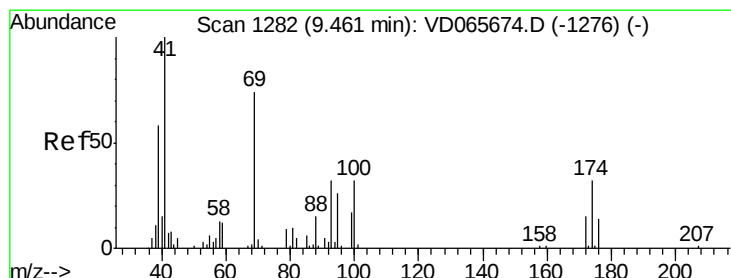
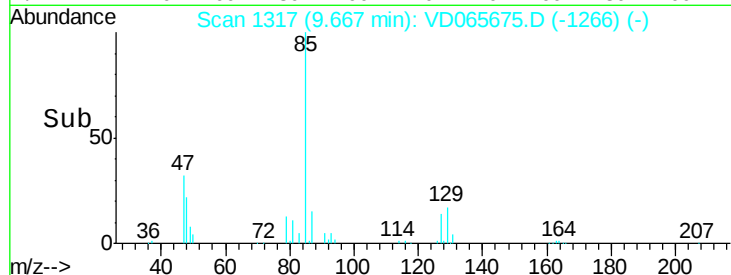
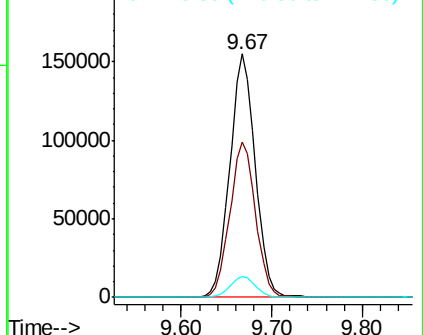
127 8.6 7.1 10.7



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: 120.832 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065675.D

Acq: 24 Apr 2020 13:59

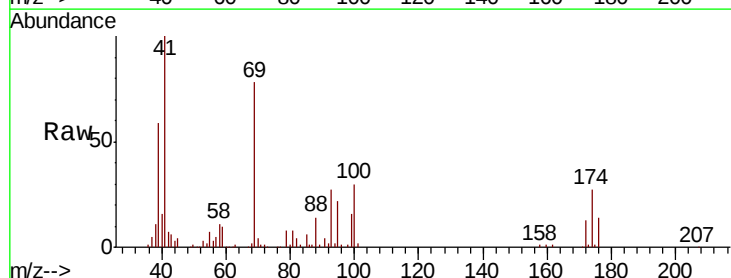
Tgt Ion: 41 Resp: 125063

Ion Ratio Lower Upper

41 100

69 81.1 62.4 93.6

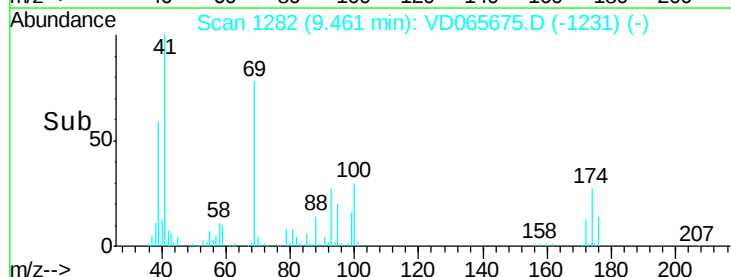
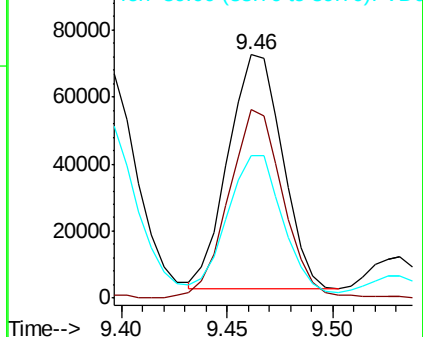
39 63.5 48.9 73.3

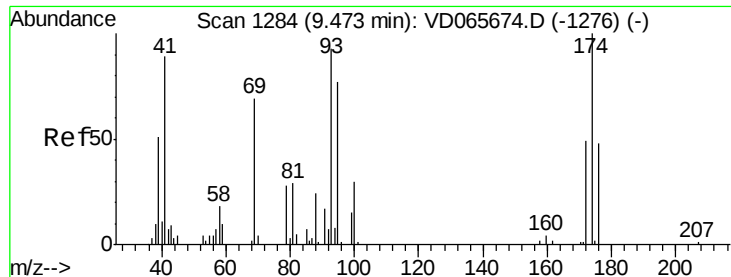


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#49

1,4-Dioxane

Concen: 2474.250 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD065675.D

Acq: 24 Apr 2020 13:59

Instrument :

MSVOA_D

ClientSampled :

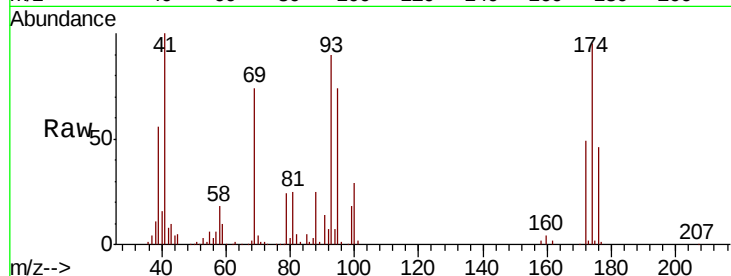
Tot Ion: 88 Resp: 28130

Ion Ratio Lower Upper

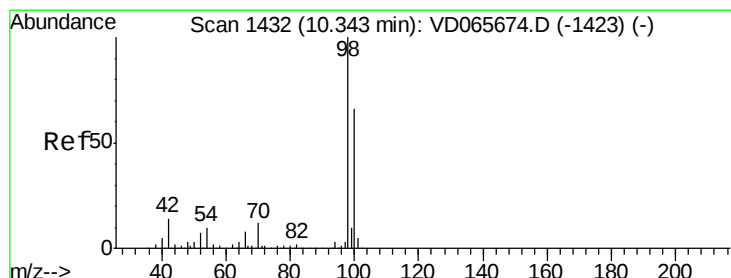
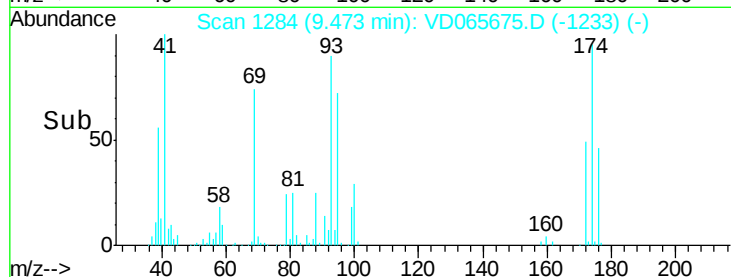
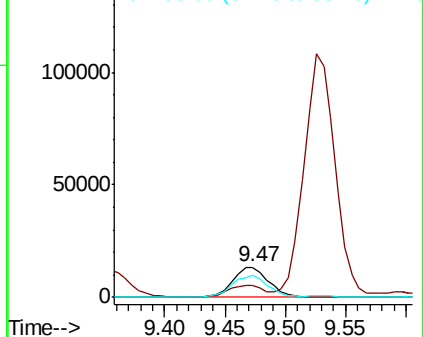
88 100

43 40.5 34.2 51.2

58 72.0 58.2 87.2



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: 97.941 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065675.D

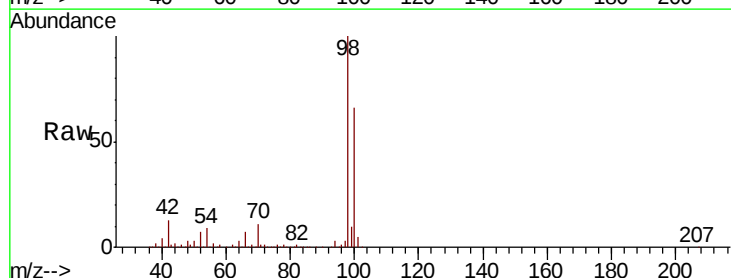
Acq: 24 Apr 2020 13:59

Tgt Ion: 98 Resp: 678813

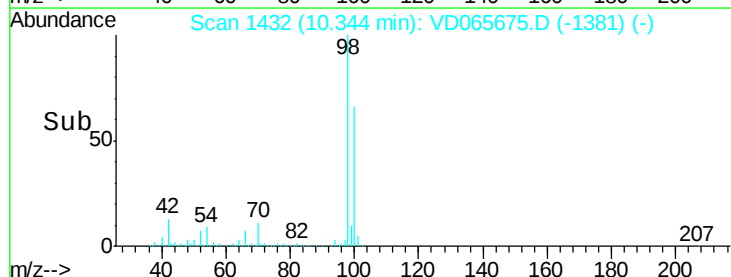
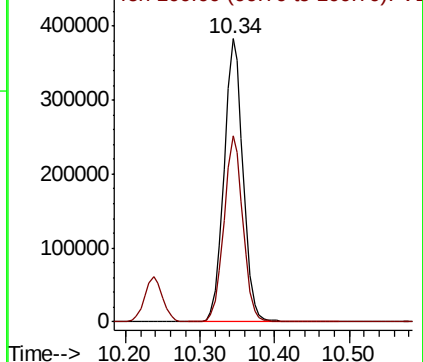
Ion Ratio Lower Upper

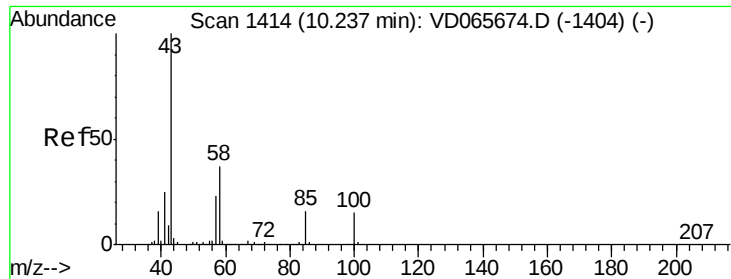
98 100

100 65.5 52.2 78.4



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

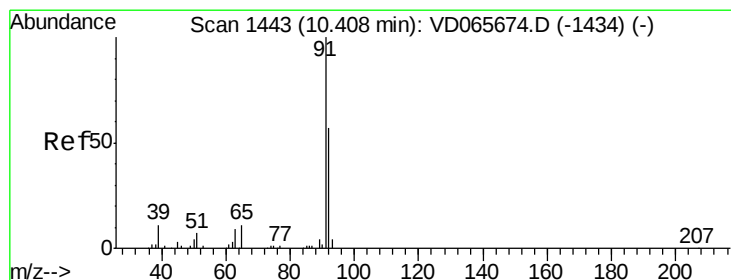
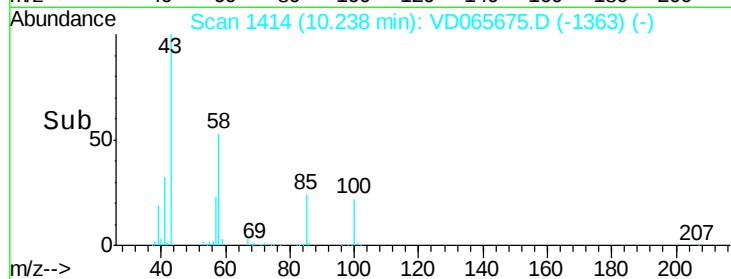
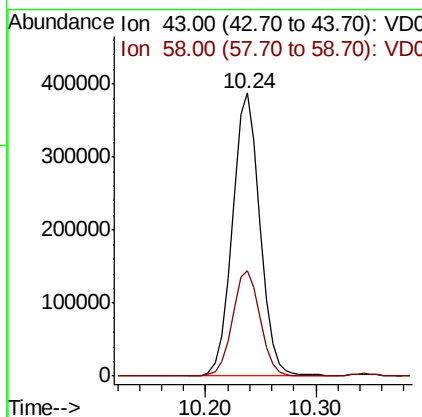
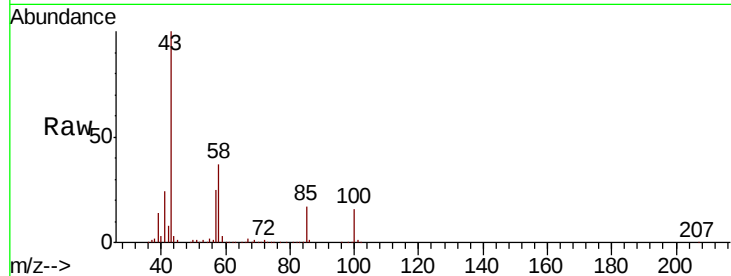




#51
 4-Methyl-2-Pentanone
 Concen: 621.844 ug/l
 RT: 10.24 min Scan# 1414
 Delta R.T. 0.00 min
 Lab File: VD065675.D
 Acq: 24 Apr 2020 13:59

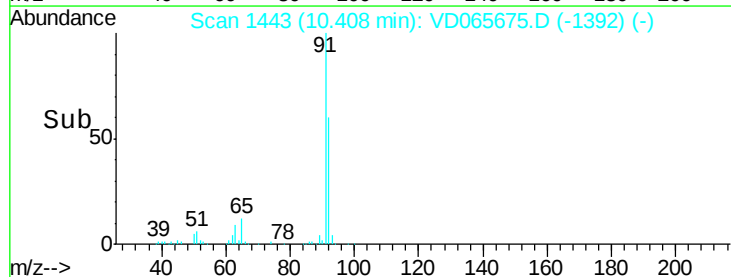
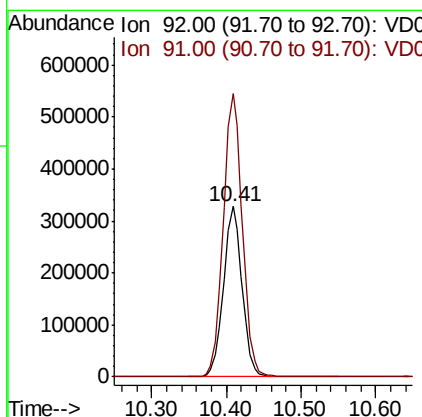
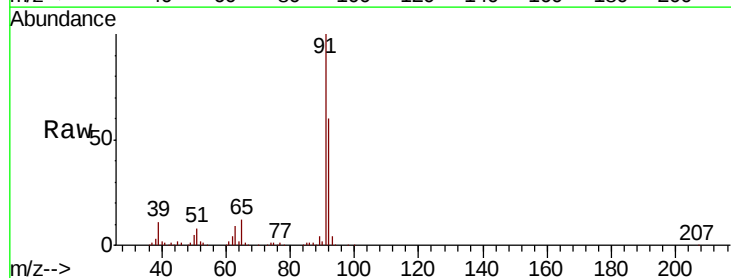
Instrument :
 MSVOA_D
 ClientSampleId :

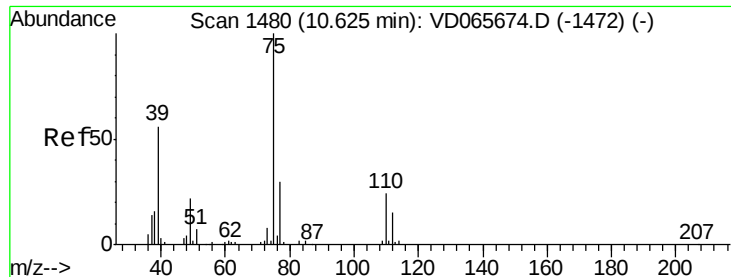
Tot Ion: 43 Resp: 679401
 Ion Ratio Lower Upper
 43 100
 58 37.4 28.9 43.3



#52
 Toluene
 Concen: 113.311 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD065675.D
 Acq: 24 Apr 2020 13:59

Tgt Ion: 92 Resp: 568646
 Ion Ratio Lower Upper
 92 100
 91 170.5 139.2 208.8





#53

t-1,3-Dichloropropene

Concen: 116.496 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065675.D

Acq: 24 Apr 2020 13:59

Instrument :

MSVOA_D

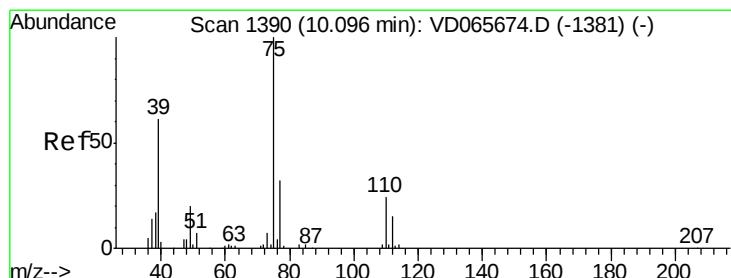
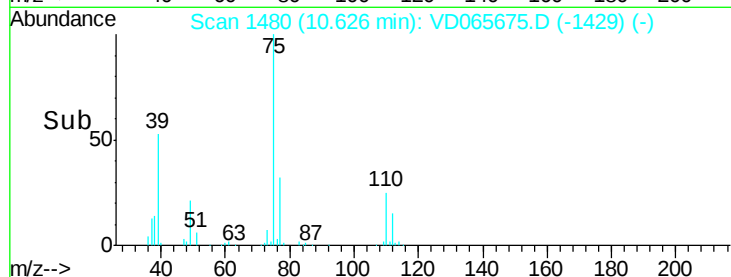
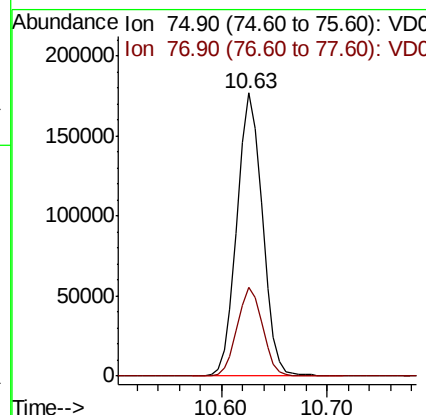
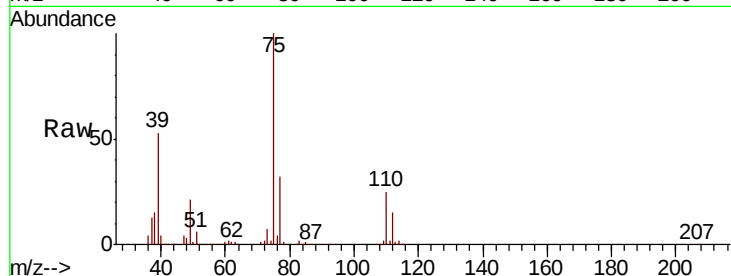
ClientSampleId :

Tot Ion: 75 Resp: 294755

Ion Ratio Lower Upper

75 100

77 31.5 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 112.669 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VD065675.D

Acq: 24 Apr 2020 13:59

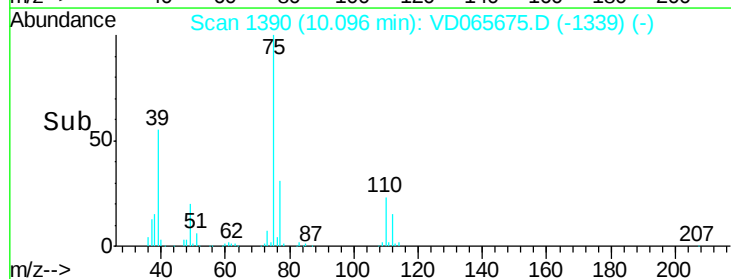
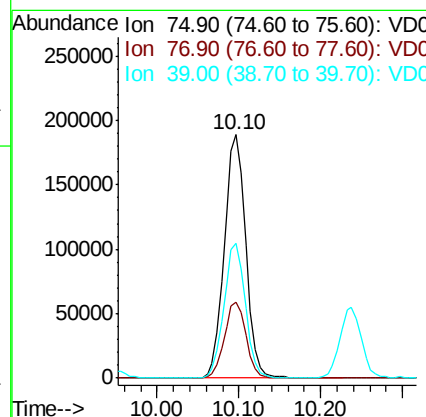
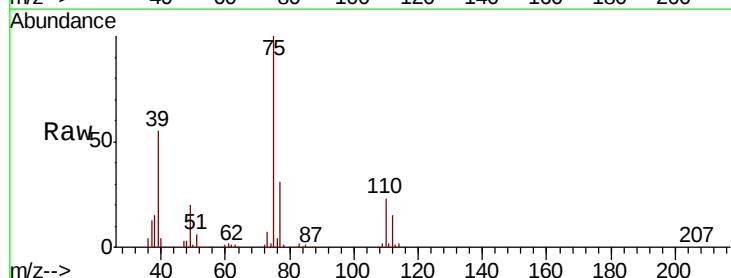
Tgt Ion: 75 Resp: 345305

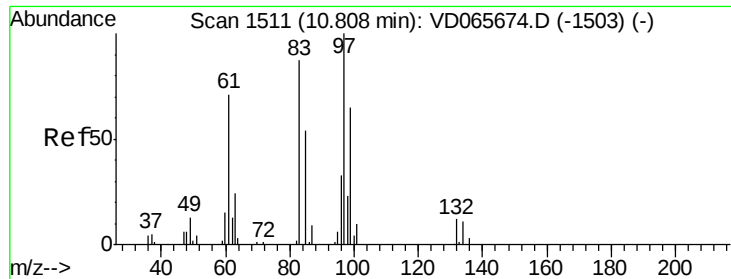
Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0

39 55.4 48.5 72.7

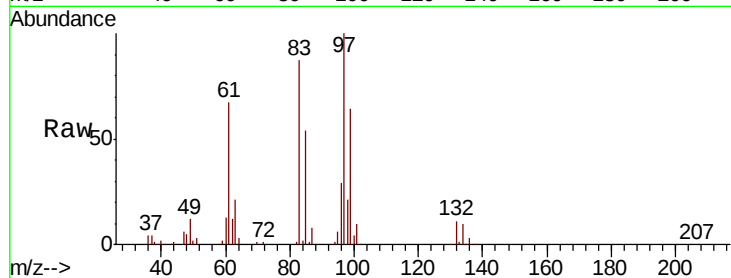




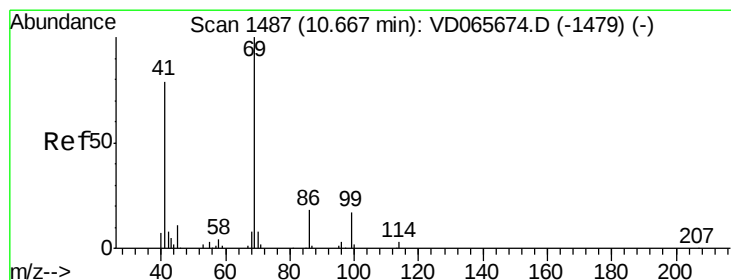
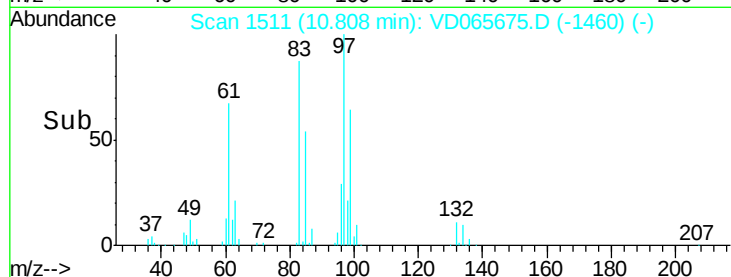
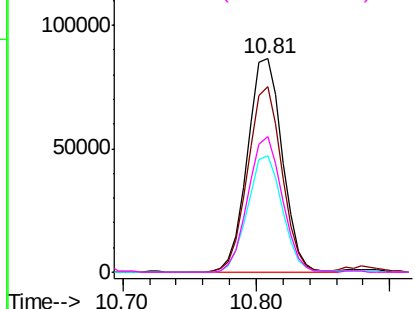
#55
 1,1,2-Trichloroethane
 Concen: 102.173 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065675.D
 Acq: 24 Apr 2020 13:59

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Resp	Lower	Upper
97	156304		
Ion Ratio			
97	100		
83	86.6	69.6	104.4
85	54.3	43.5	65.3
99	63.7	51.7	77.5

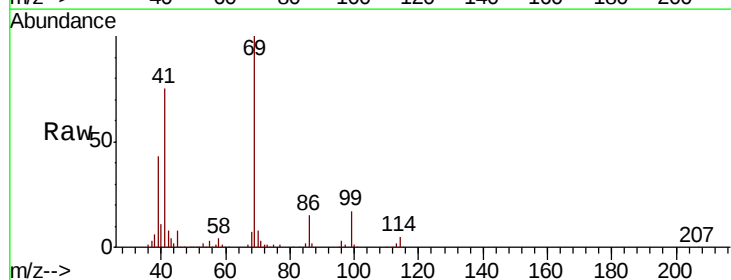


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

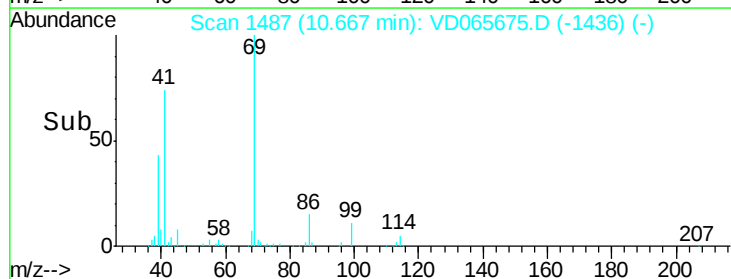
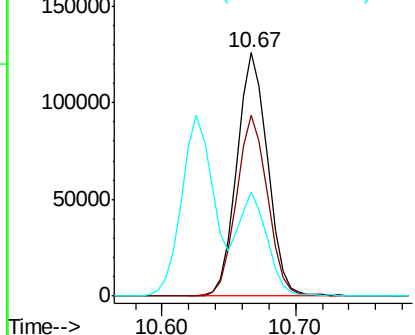


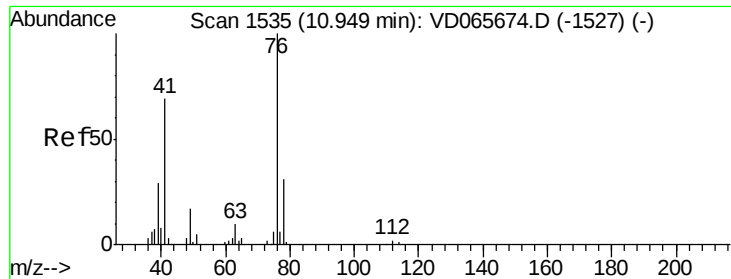
#56
 Ethyl methacrylate
 Concen: 140.589 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065675.D
 Acq: 24 Apr 2020 13:59

Tgt Ion	Resp	Lower	Upper
69	200626		
Ion Ratio			
69	100		
41	74.1	62.3	93.5
39	39.8	34.4	51.6



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: 108.148 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065675.D

Acq: 24 Apr 2020 13:59

Instrument :

MSVOA_D

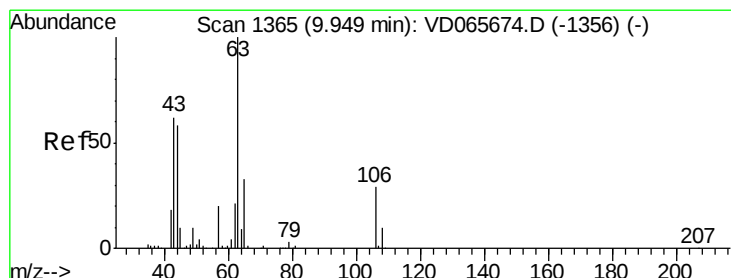
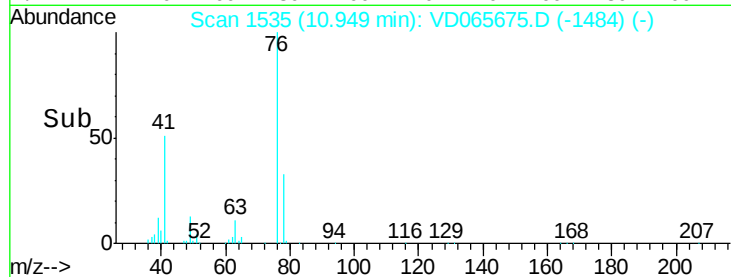
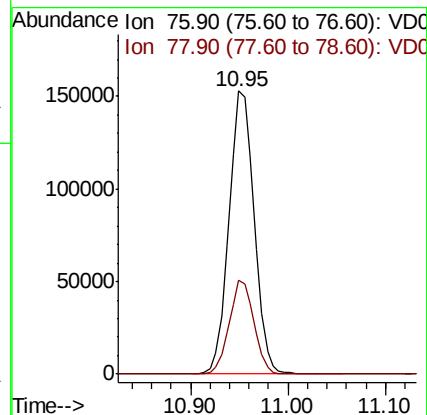
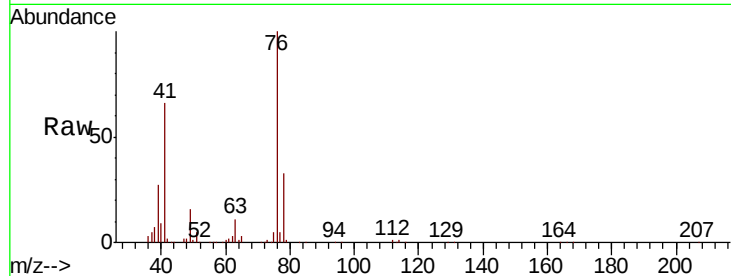
ClientSampleId :

Tot Ion: 76 Resp: 274345

Ion Ratio Lower Upper

76 100

78 32.4 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 566.146 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065675.D

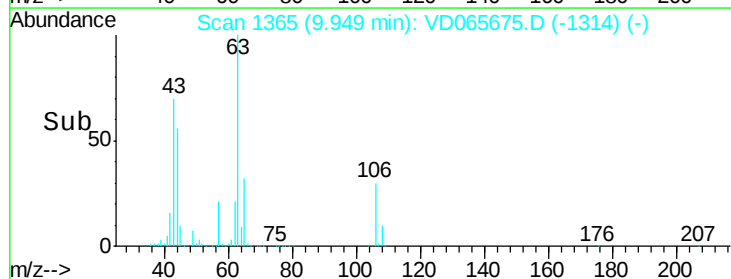
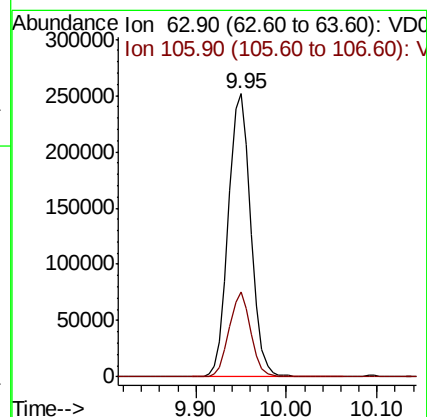
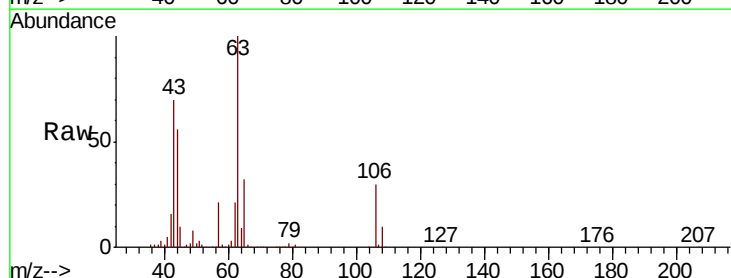
Acq: 24 Apr 2020 13:59

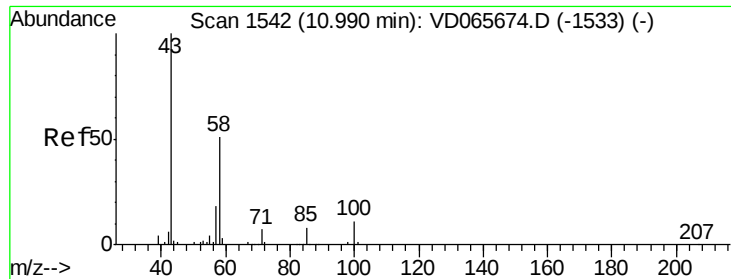
Tgt Ion: 63 Resp: 432700

Ion Ratio Lower Upper

63 100

106 28.9 22.9 34.3

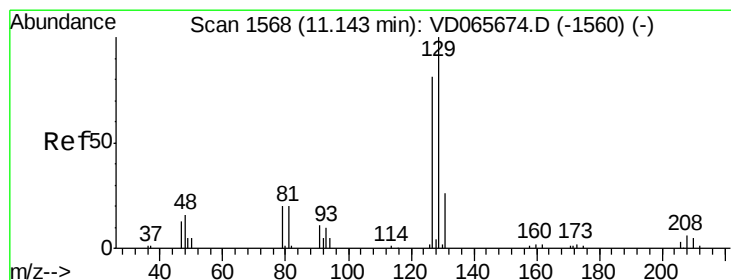
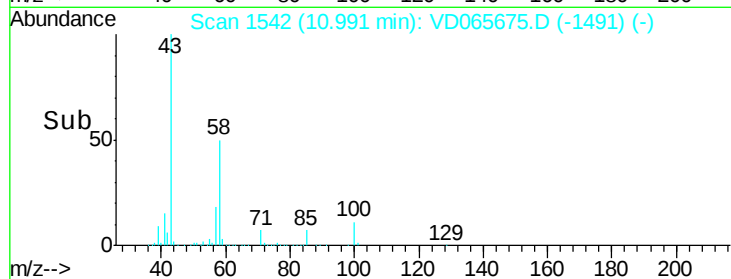
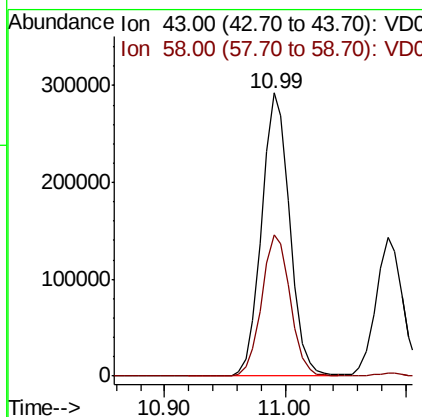
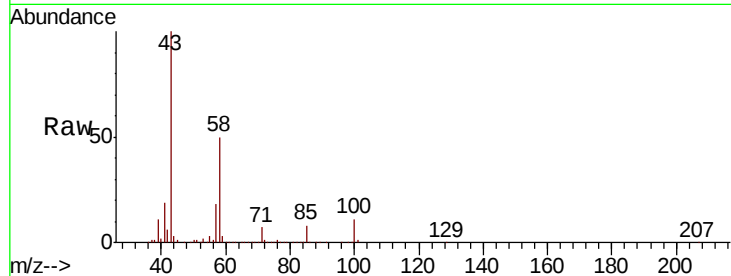




#59
2-Hexanone
Concen: 640.880 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065675.D
Acq: 24 Apr 2020 13:59

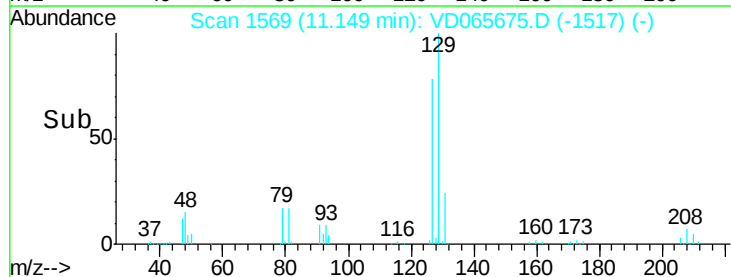
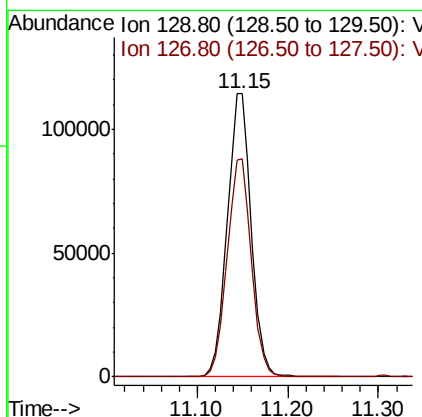
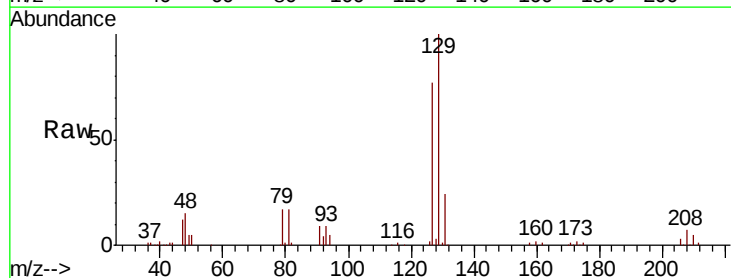
Instrument :
MSVOA_D
ClientSampleId :

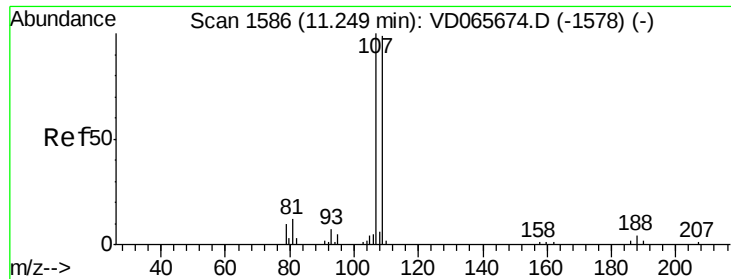
Tot Ion: 43 Resp: 474884
Ion Ratio Lower Upper
43 100
58 50.8 24.9 74.7



#60
Dibromochloromethane
Concen: 102.765 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD065675.D
Acq: 24 Apr 2020 13:59

Tgt Ion: 129 Resp: 209904
Ion Ratio Lower Upper
129 100
127 77.8 39.5 118.5

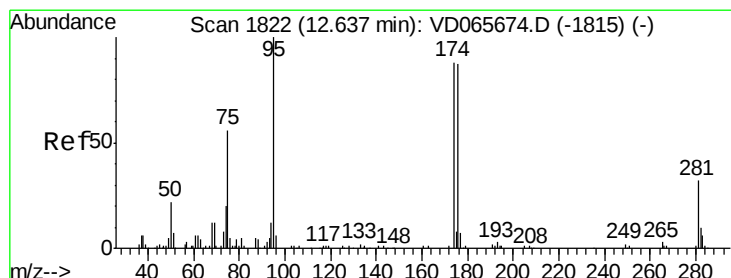
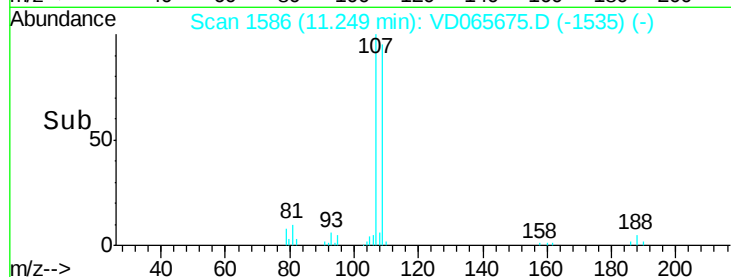
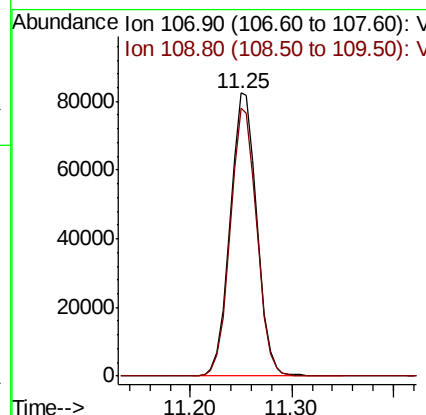
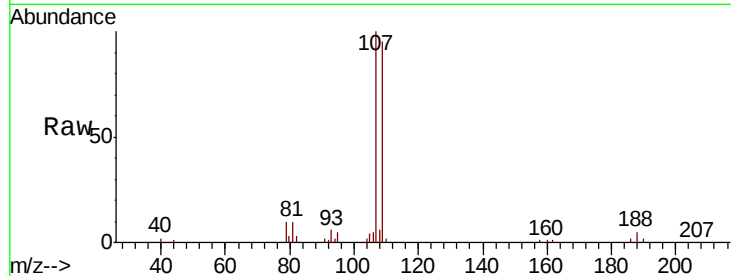




#61
 1,2-Dibromoethane
 Concen: 106.864 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065675.D
 Acq: 24 Apr 2020 13:59

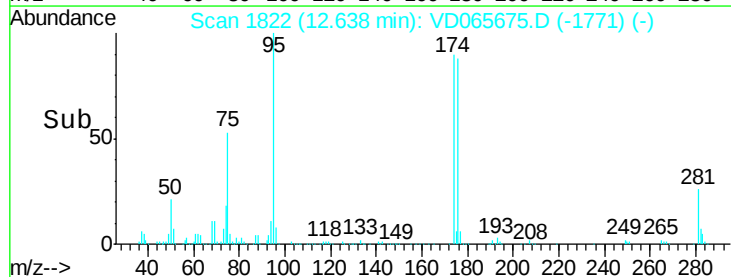
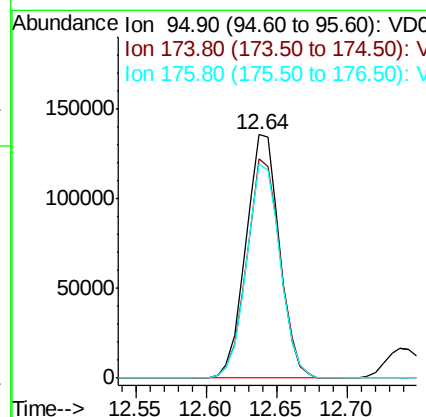
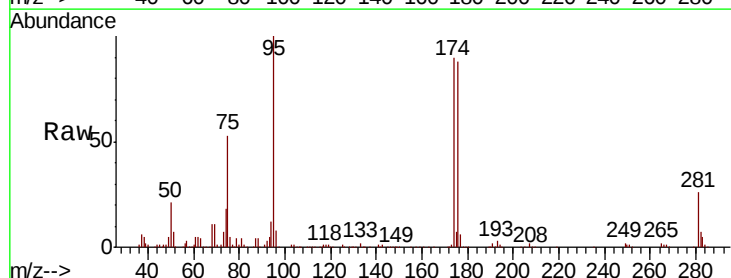
Instrument :
 MSVOA_D
 ClientSampleId :

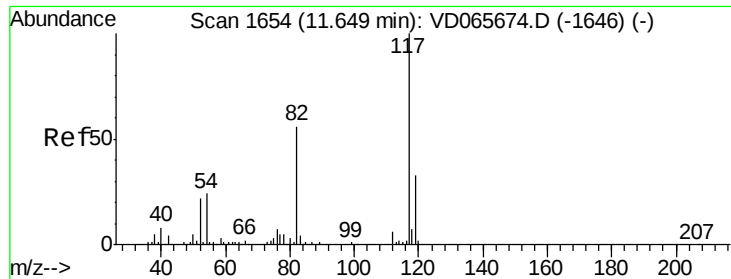
Tot Ion:107 Resp: 150310
 Ion Ratio Lower Upper
 107 100
 109 93.9 77.2 115.8



#62
 4-Bromofluorobenzene
 Concen: 101.265 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065675.D
 Acq: 24 Apr 2020 13:59

Tgt Ion: 95 Resp: 226784
 Ion Ratio Lower Upper
 95 100
 174 89.6 0.0 181.0
 176 87.7 0.0 178.0

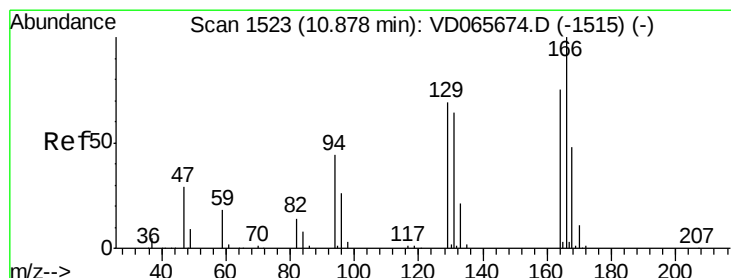
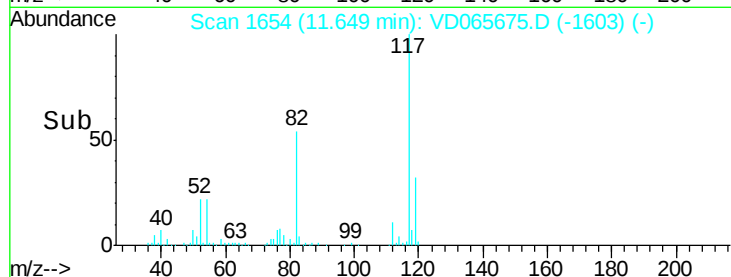
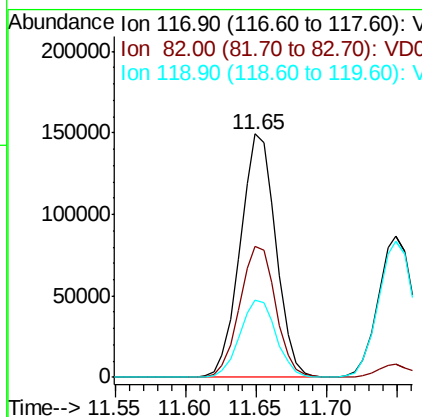
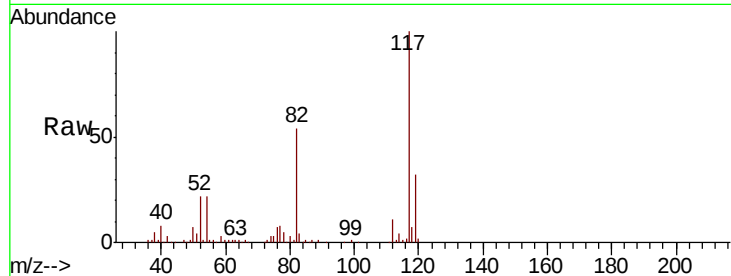




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065675.D
Acq: 24 Apr 2020 13:59

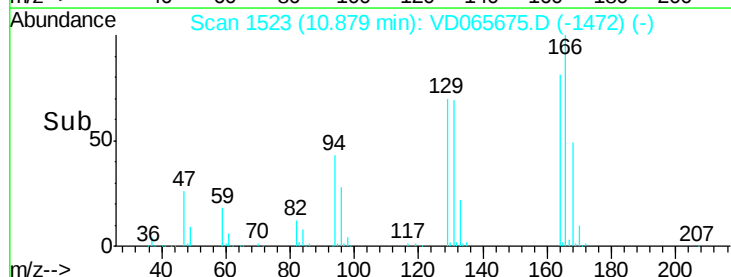
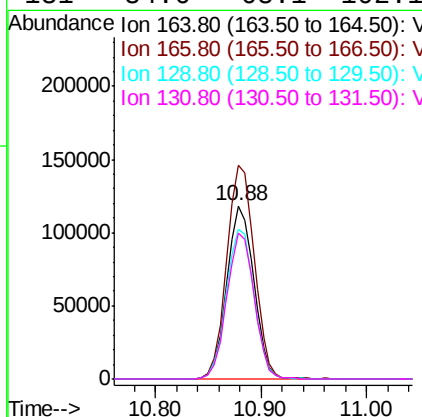
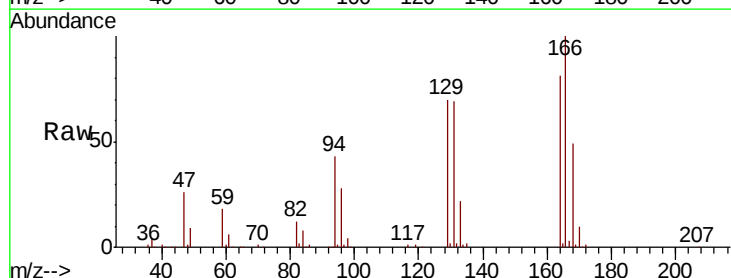
Instrument :
MSVOA_D
ClientSampleId :

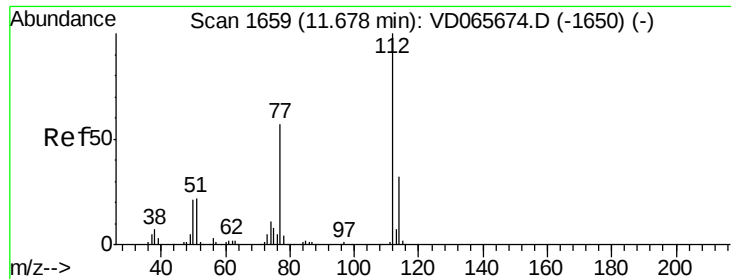
Tot Ion:117 Resp: 263735
Ion Ratio Lower Upper
117 100
82 53.7 44.6 67.0
119 31.6 26.2 39.2



#64
Tetrachloroethene
Concen: 103.180 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065675.D
Acq: 24 Apr 2020 13:59

Tgt Ion:164 Resp: 209229
Ion Ratio Lower Upper
164 100
166 123.3 106.1 159.1
129 86.4 73.0 109.4
131 84.6 68.1 102.1

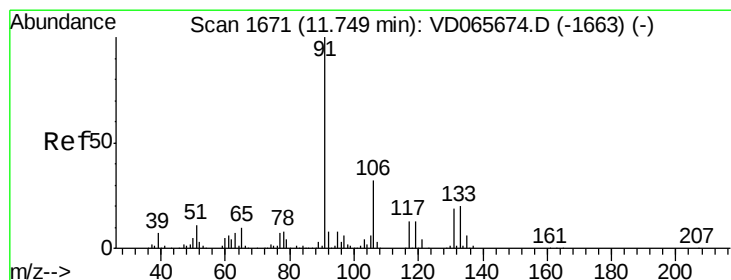
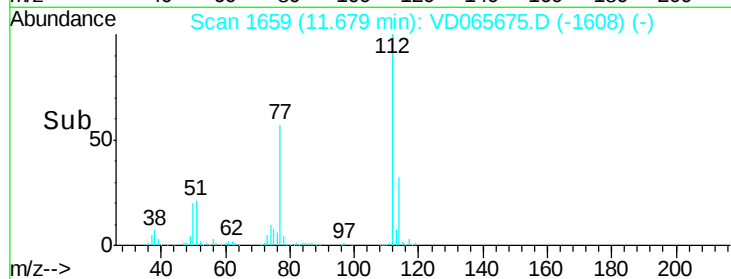
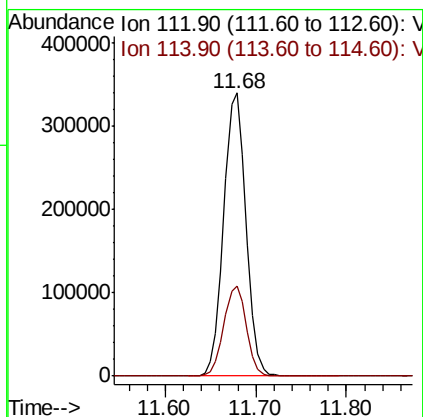
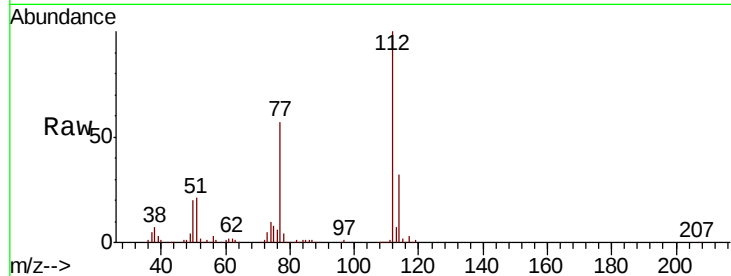




#65
Chlorobenzene
Concen: 103.375 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VD065675.D
Acq: 24 Apr 2020 13:59

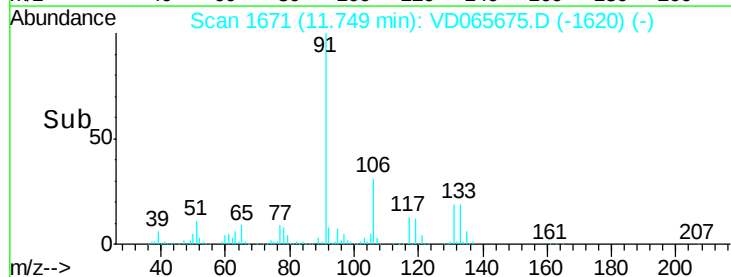
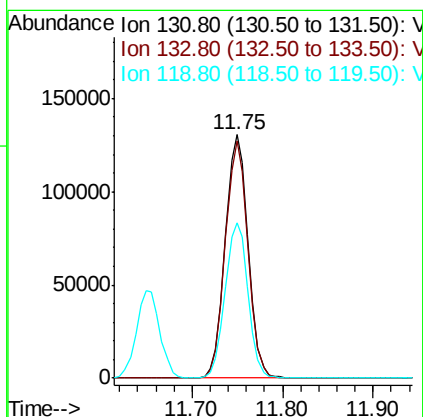
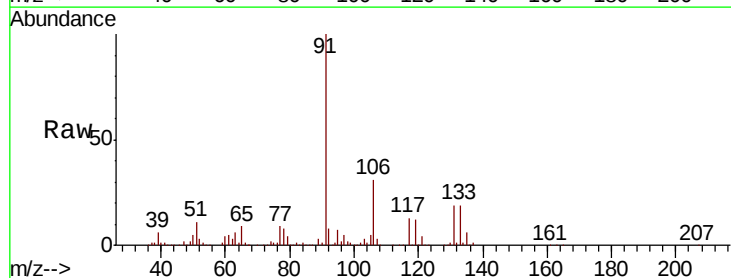
Instrument :
MSVOA_D
ClientSampleId :

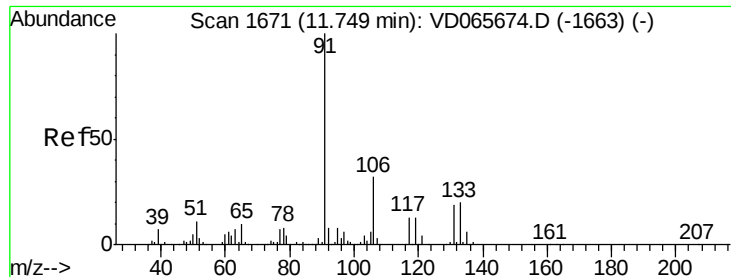
Tot Ion:112 Resp: 580546
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 105.335 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065675.D
Acq: 24 Apr 2020 13:59

Tgt Ion:131 Resp: 228551
Ion Ratio Lower Upper
131 100
133 96.5 48.9 146.7
119 63.9 32.6 97.7





#67

Ethyl Benzene

Concen: 121.459 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065675.D

Acq: 24 Apr 2020 13:59

Instrument :

MSVOA_D

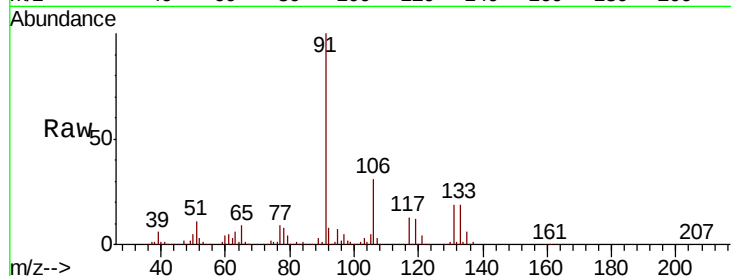
ClientSampleId :

Tot Ion: 91 Resp: 1100713

Ion Ratio Lower Upper

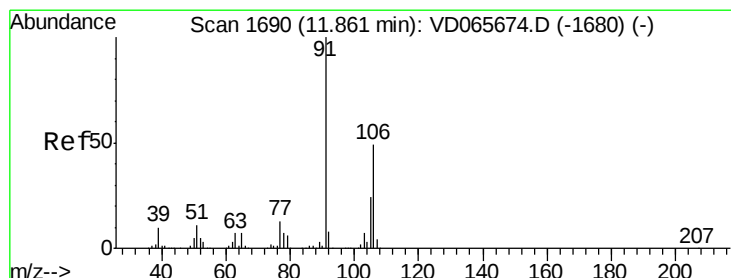
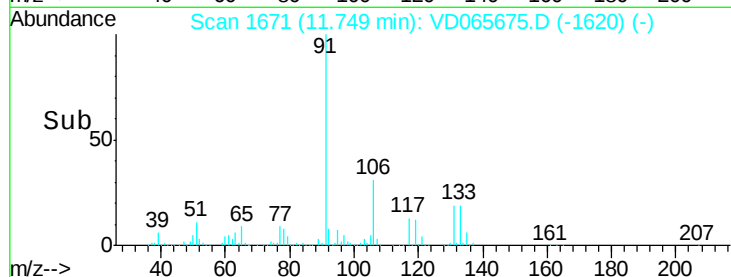
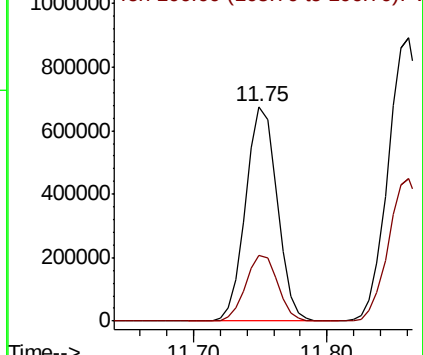
91 100

106 30.9 25.3 37.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 242.047 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065675.D

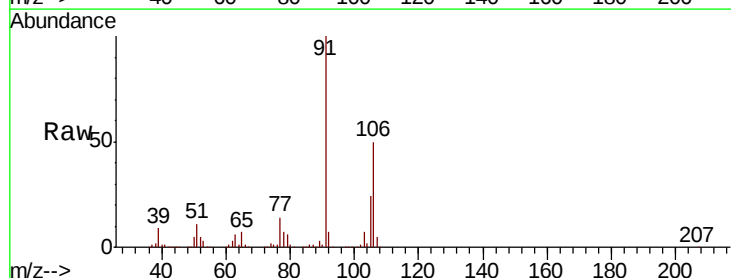
Acq: 24 Apr 2020 13:59

Tgt Ion: 106 Resp: 854620

Ion Ratio Lower Upper

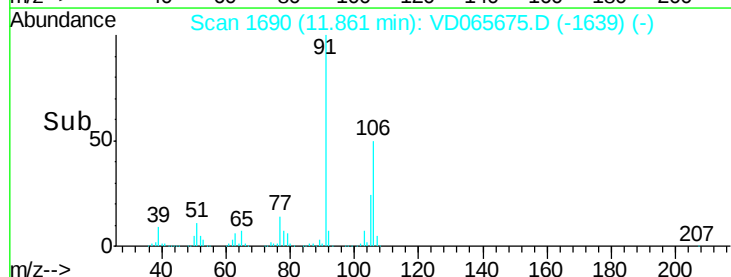
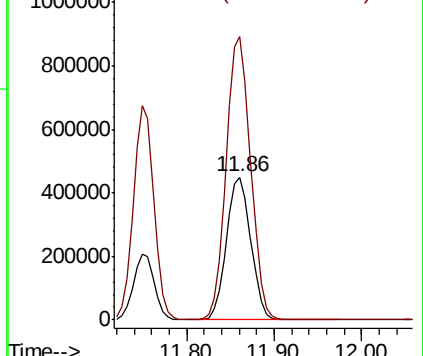
106 100

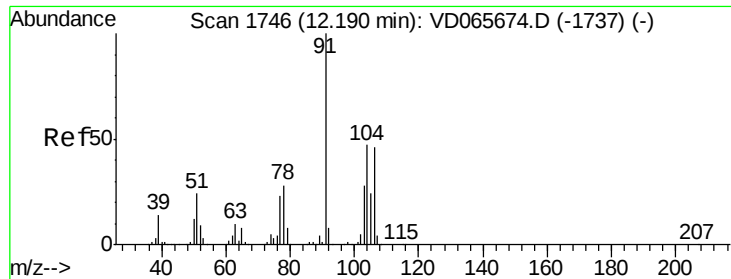
91 199.1 163.6 245.4



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

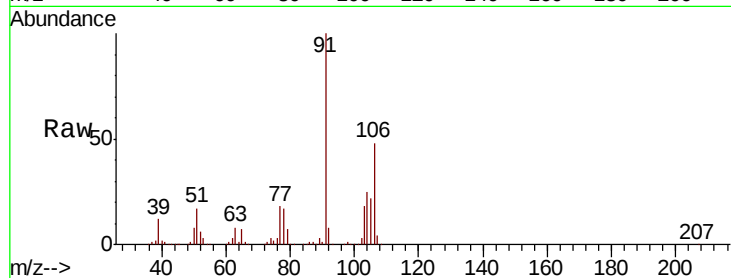




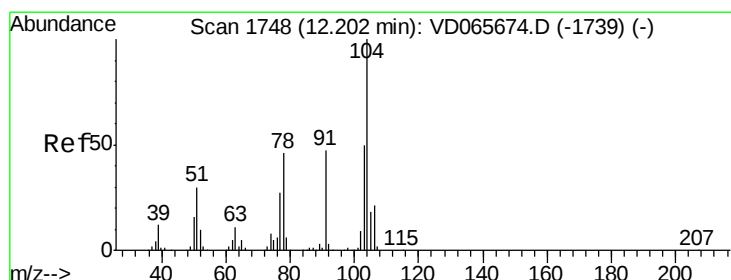
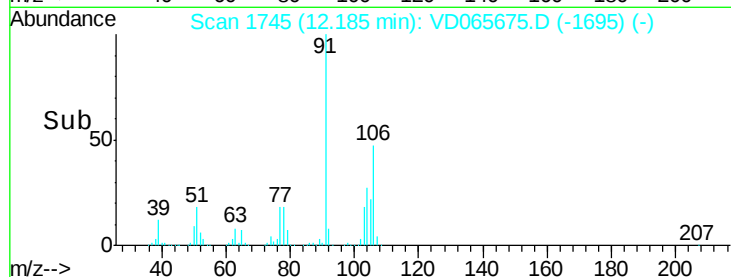
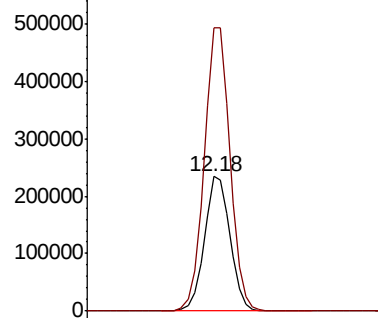
#69
o-Xylene
Concen: 128.625 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065675.D
Acq: 24 Apr 2020 13:59

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 380587
Ion Ratio Lower Upper
106 100
91 212.0 109.9 329.8

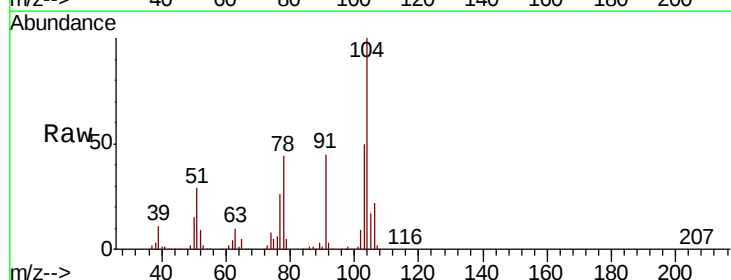


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

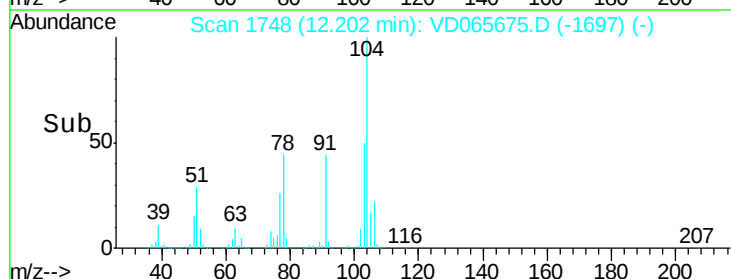
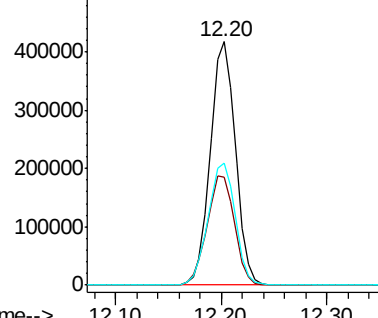


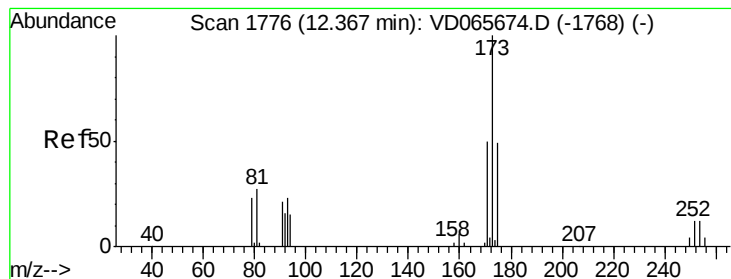
#70
Styrene
Concen: 127.851 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065675.D
Acq: 24 Apr 2020 13:59

Tgt Ion:104 Resp: 685149
Ion Ratio Lower Upper
104 100
78 49.1 39.6 59.4
103 54.2 43.7 65.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 105.151 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065675.D

Acq: 24 Apr 2020 13:59

Instrument :

MSVOA_D

ClientSampled :

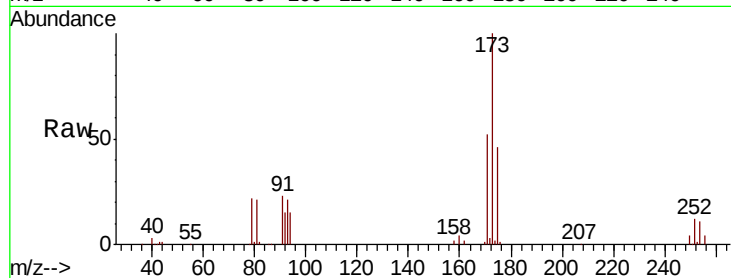
Tot Ion:173 Resp: 127586

Ion Ratio Lower Upper

173 100

175 47.8 24.3 73.0

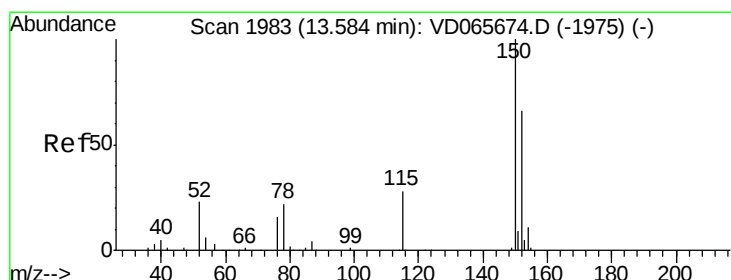
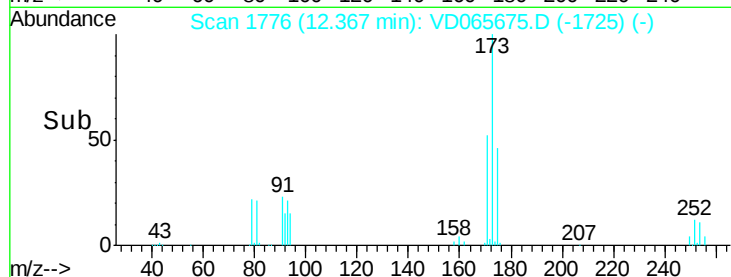
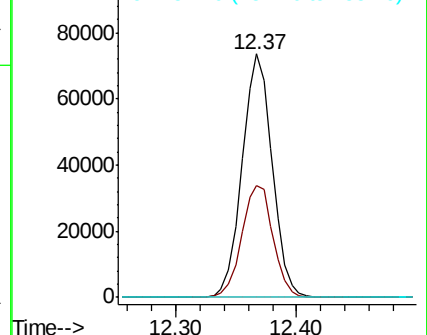
254 0.1 0.0 0.0#



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: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065675.D

Acq: 24 Apr 2020 13:59

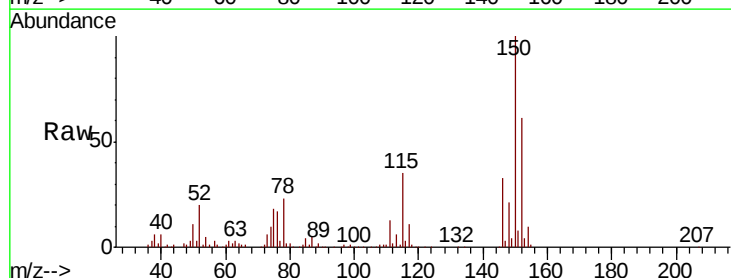
Tgt Ion:152 Resp: 143701

Ion Ratio Lower Upper

152 100

115 55.7 28.1 84.2

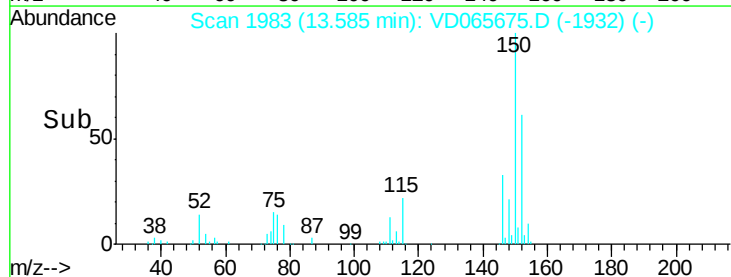
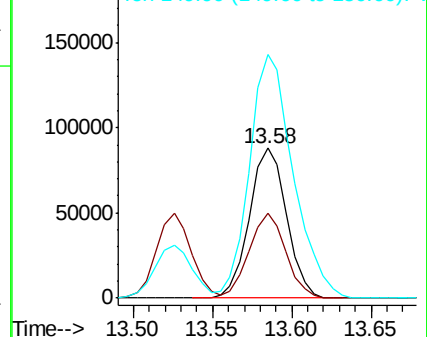
150 190.4 0.0 343.2

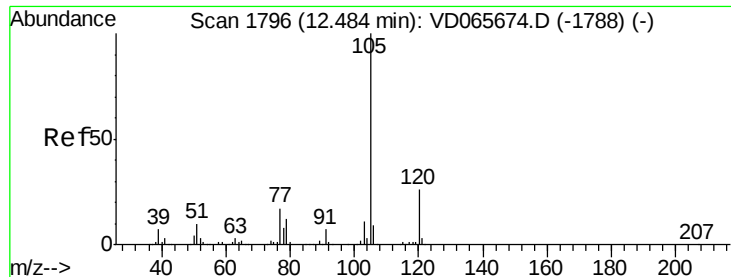


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 124.958 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065675.D

Acq: 24 Apr 2020 13:59

Instrument :

MSVOA_D

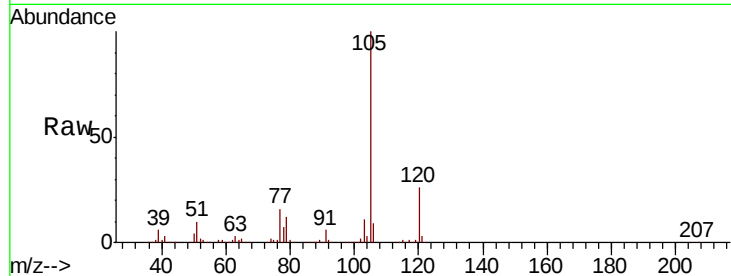
ClientSampleId :

Tot Ion:105 Resp: 1047540

Ion Ratio Lower Upper

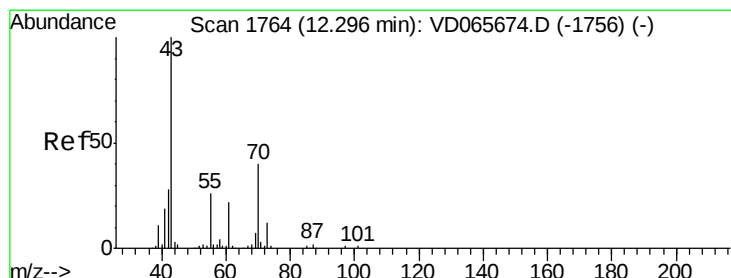
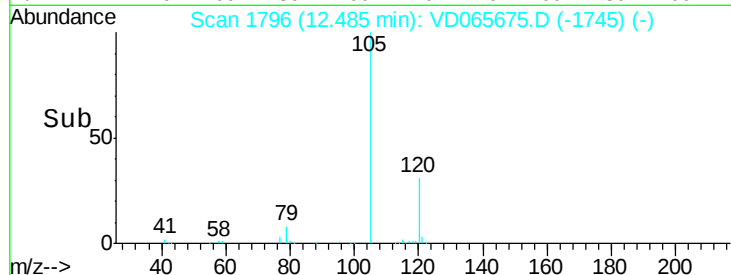
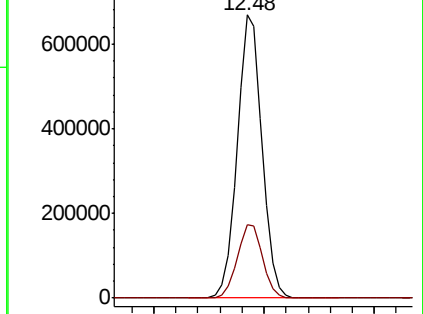
105 100

120 26.6 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 127.286 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065675.D

Acq: 24 Apr 2020 13:59

Tgt Ion: 43 Resp: 240489

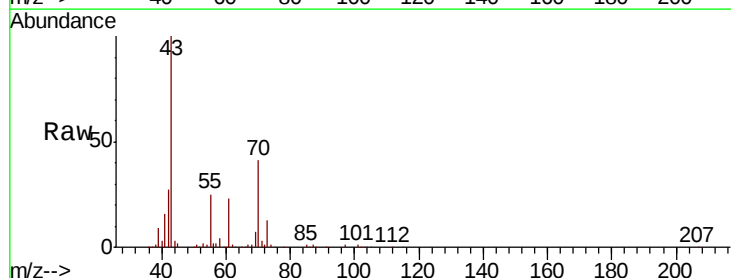
Ion Ratio Lower Upper

43 100

70 41.0 32.2 48.4

55 25.8 21.4 32.2

61 22.4 17.9 26.9

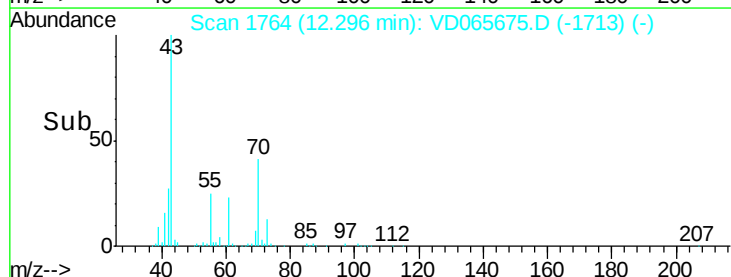
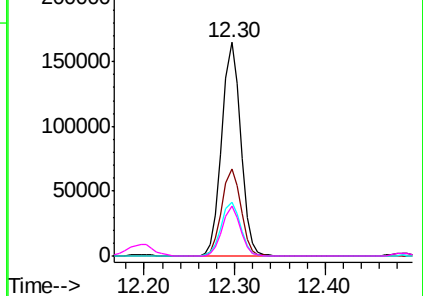


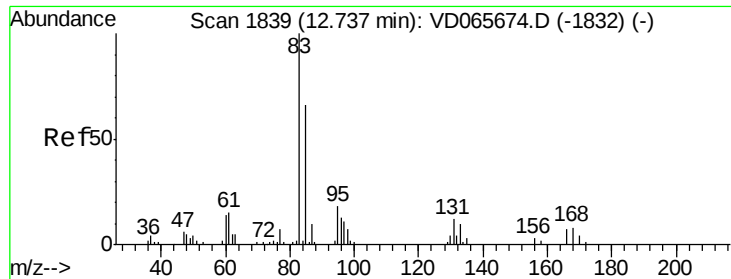
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 99.259 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065675.D

Acq: 24 Apr 2020 13:59

Instrument :

MSVOA_D

ClientSampleId :

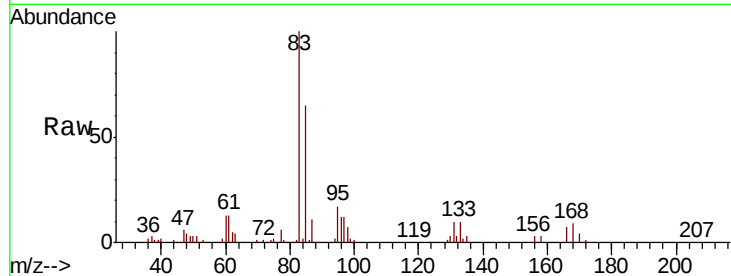
Tot Ion: 83 Resp: 167423

Ion Ratio Lower Upper

83 100

131 11.4 5.5 16.7

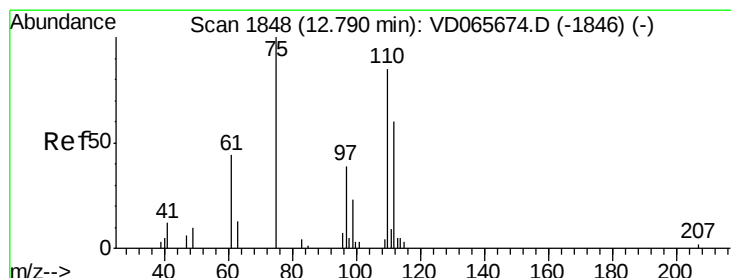
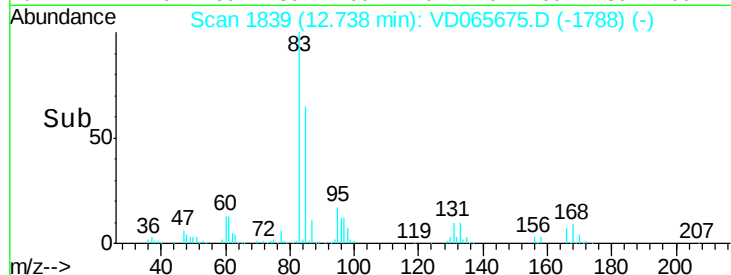
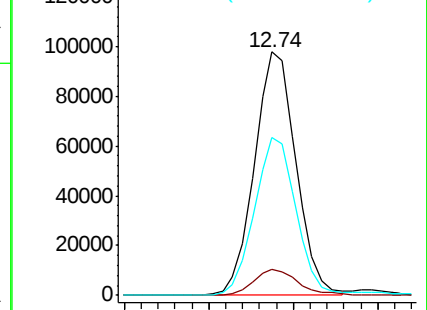
85 64.7 32.1 96.3



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: 183.927 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065675.D

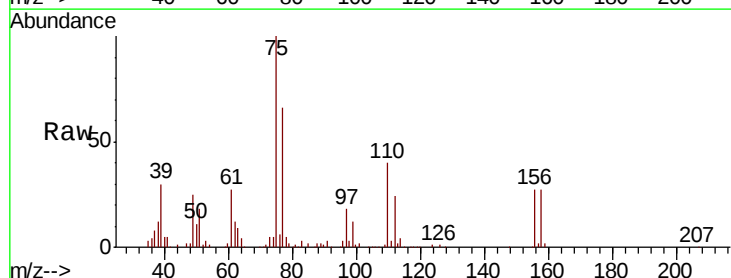
Acq: 24 Apr 2020 13:59

Tgt Ion: 75 Resp: 233892

Ion Ratio Lower Upper

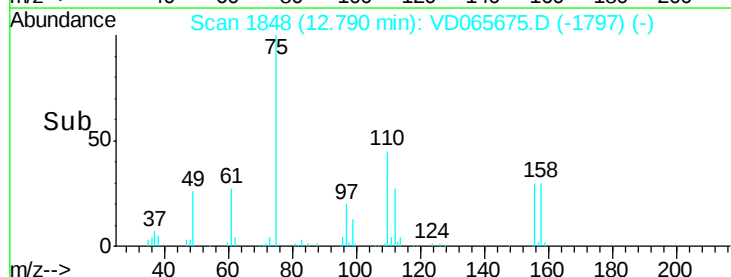
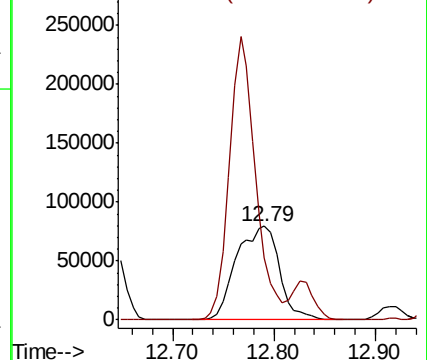
75 100

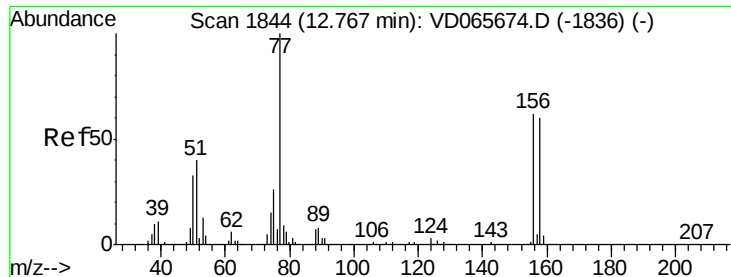
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 107.170 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065675.D

Acq: 24 Apr 2020 13:59

Instrument :

MSVOA_D

ClientSampleId :

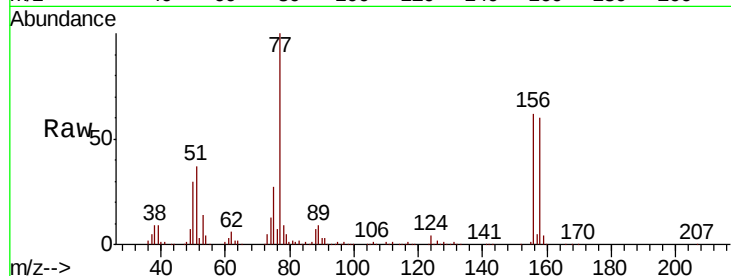
Tot Ion:156 Resp: 248821

Ion Ratio Lower Upper

156 100

77 173.7 87.3 261.9

158 98.2 47.8 143.4

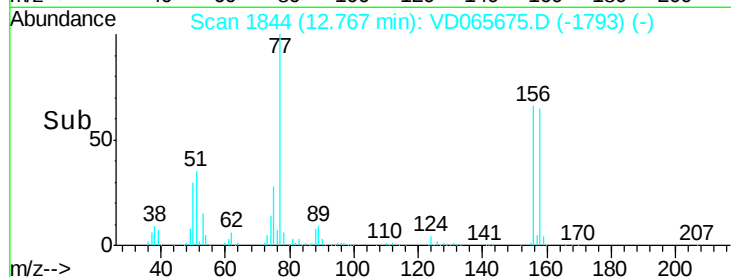


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V

Time-->



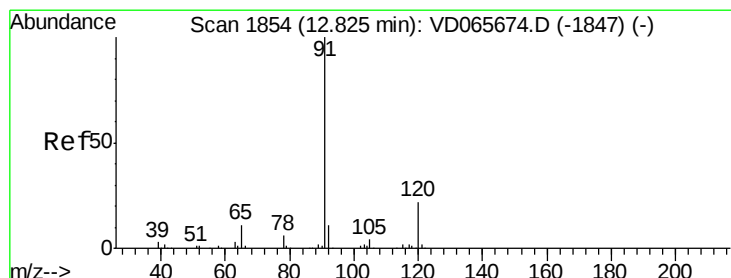
Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V

Time-->



#78

n-propylbenzene

Concen: 119.239 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD065675.D

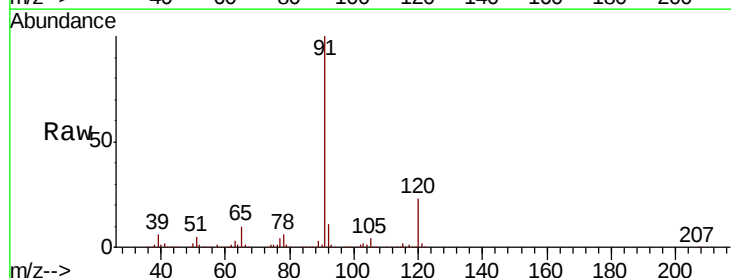
Acq: 24 Apr 2020 13:59

Tgt Ion: 91 Resp: 1254950

Ion Ratio Lower Upper

91 100

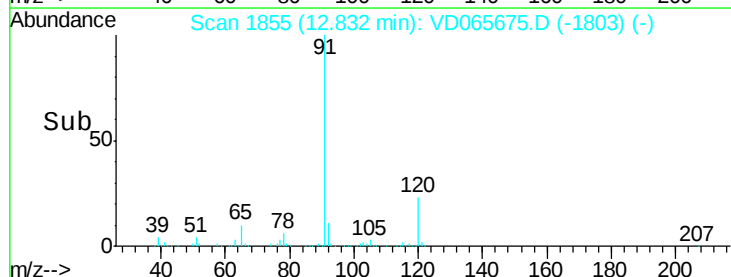
120 23.1 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

Time-->

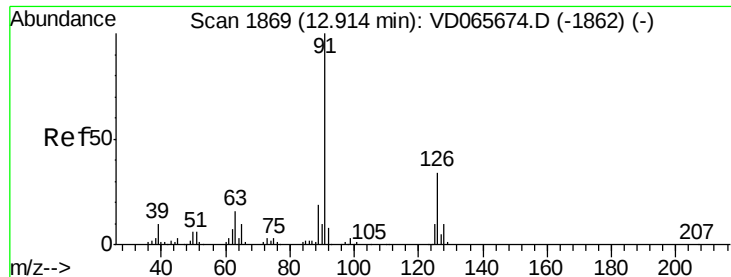


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

Time-->



#79

2-Chlorotoluene

Concen: 112.625 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065675.D

Acq: 24 Apr 2020 13:59

Instrument :

MSVOA_D

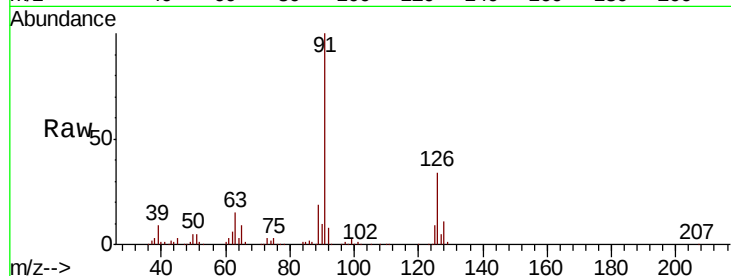
ClientSampleId :

Tot Ion: 91 Resp: 687452

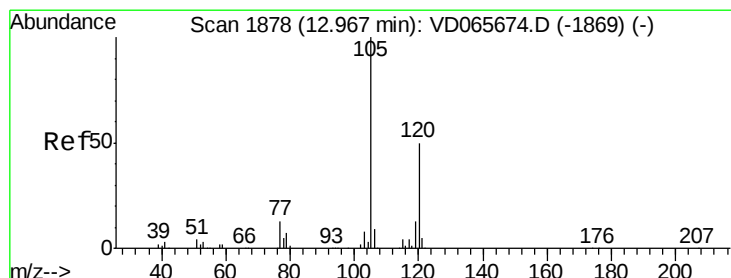
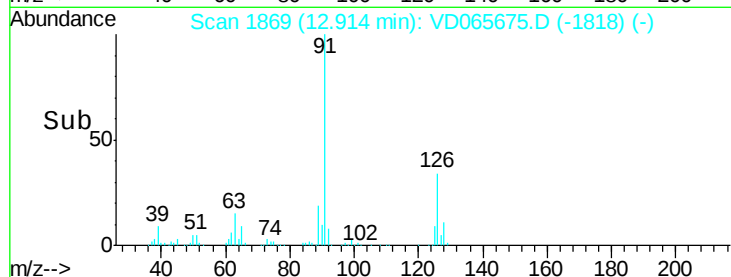
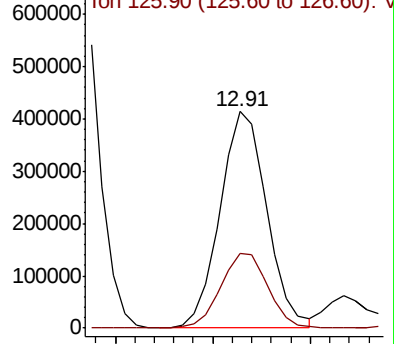
Ion Ratio Lower Upper

91 100

126 34.9 17.2 51.5



Abundance Ion 91.00 (90.70 to 91.70): VD065675.D (-1869) (-)



#80

1,3,5-Trimethylbenzene

Concen: 122.355 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065675.D

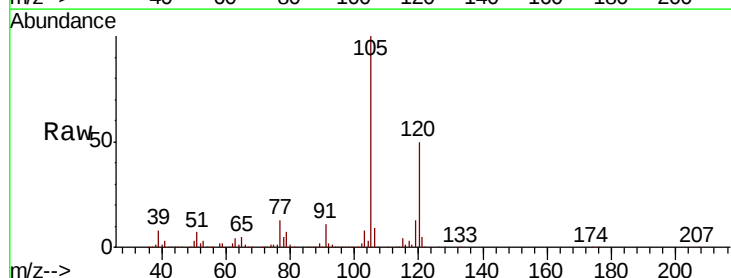
Acq: 24 Apr 2020 13:59

Tgt Ion:105 Resp: 879300

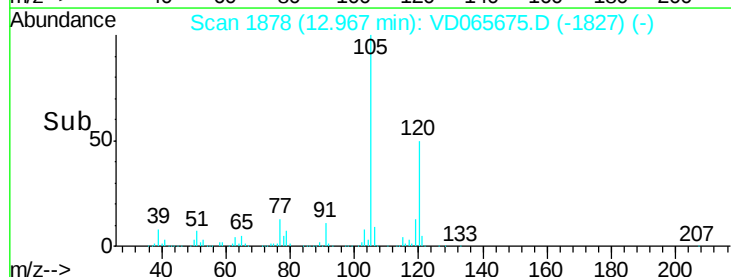
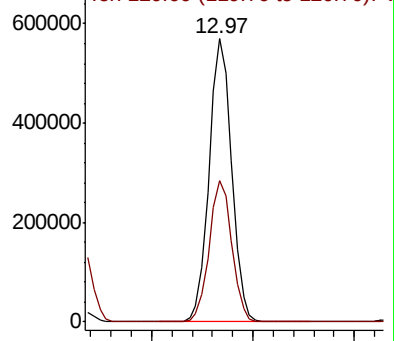
Ion Ratio Lower Upper

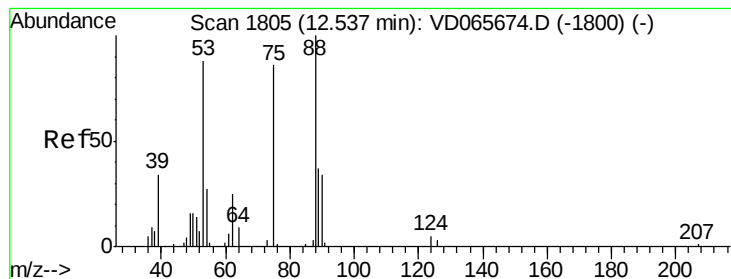
105 100

120 50.1 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VD065675.D (-1827) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 121.770 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065675.D

Acq: 24 Apr 2020 13:59

Instrument :

MSVOA_D

ClientSampleId :

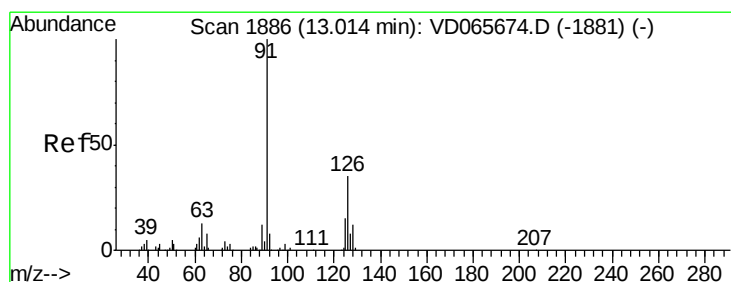
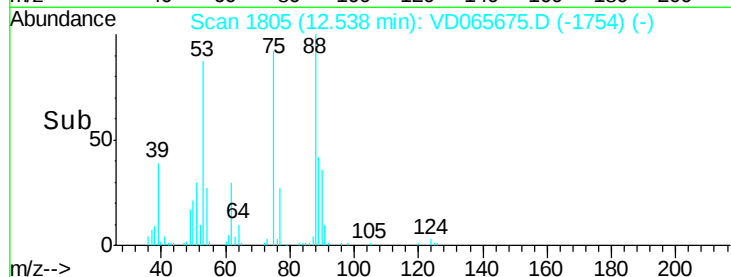
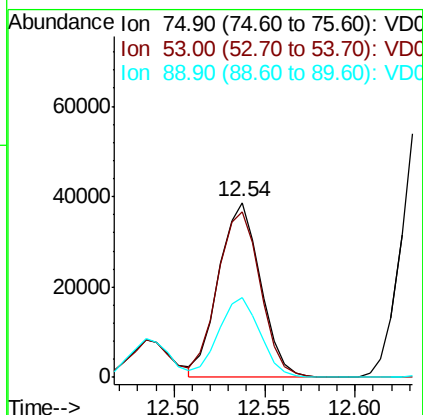
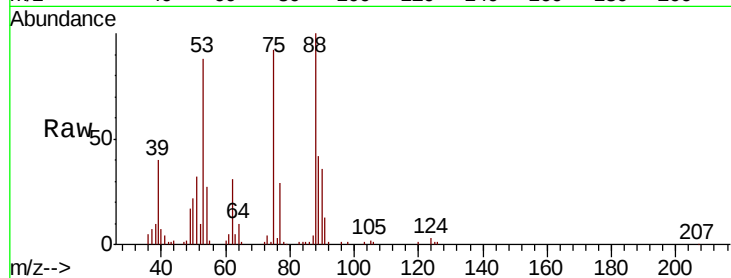
Tot Ion: 75 Resp: 62042

Ion Ratio Lower Upper

75 100

53 97.3 86.6 129.8

89 45.3 38.2 57.4



#82

4-Chlorotoluene

Concen: 110.260 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065675.D

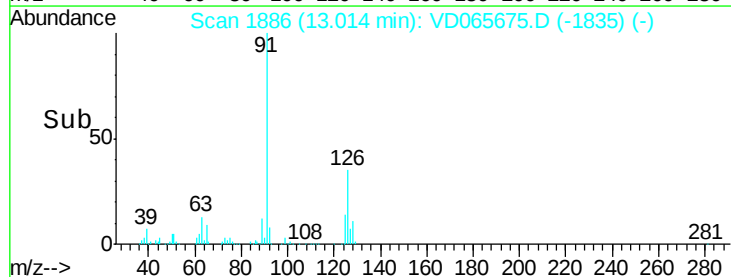
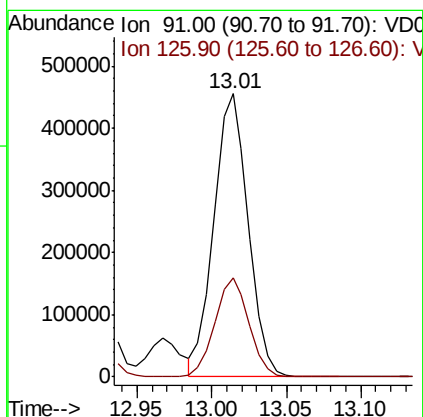
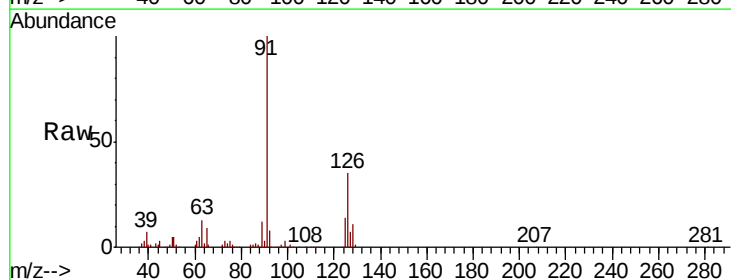
Acq: 24 Apr 2020 13:59

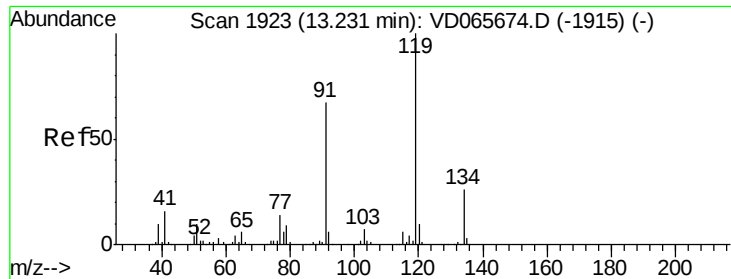
Tgt Ion: 91 Resp: 731684

Ion Ratio Lower Upper

91 100

126 34.8 16.8 50.4

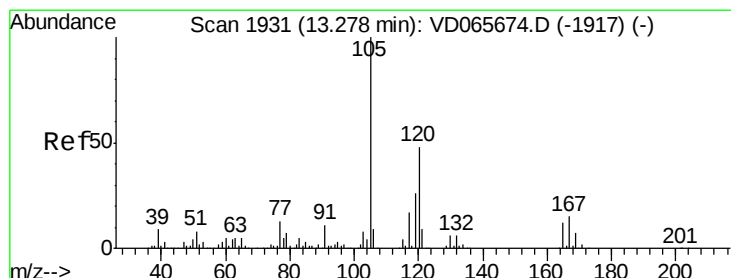
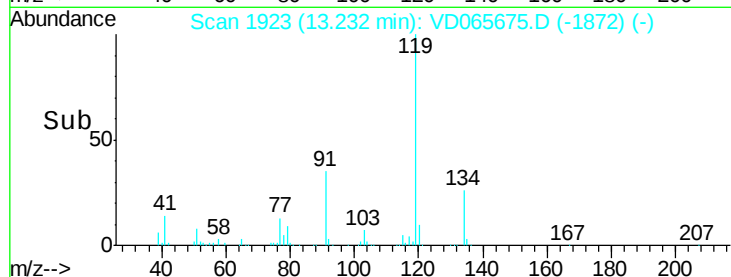
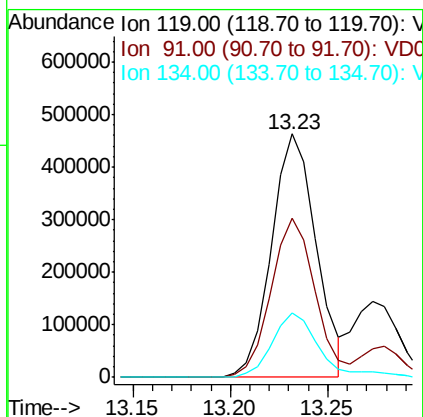
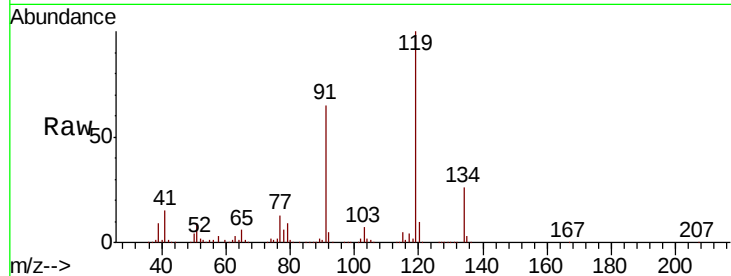




#83
tert-Butylbenzene
Concen: 126.702 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065675.D
Acq: 24 Apr 2020 13:59

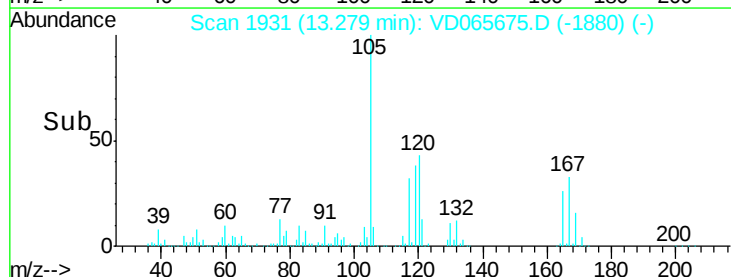
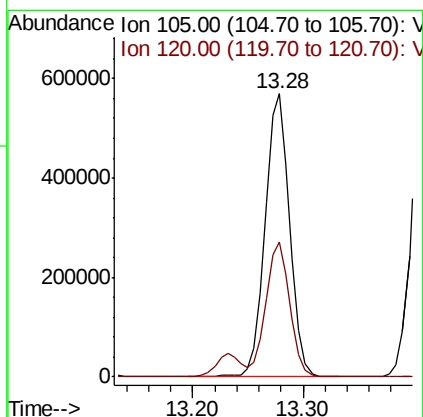
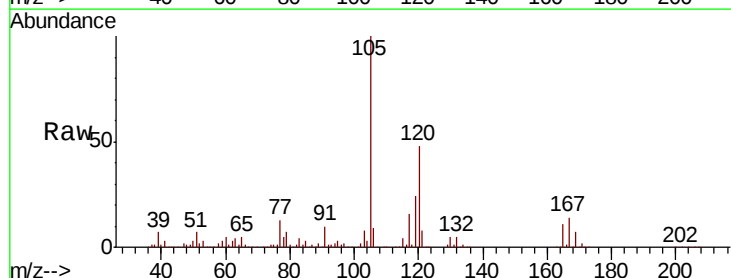
Instrument :
MSVOA_D
ClientSampleId :

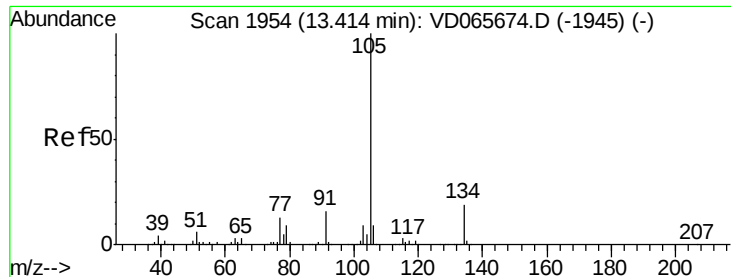
Tot Ion:119 Resp: 733410
Ion Ratio Lower Upper
119 100
91 64.9 33.3 99.9
134 28.1 14.2 42.6



#84
1,2,4-Trimethylbenzene
Concen: 124.055 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065675.D
Acq: 24 Apr 2020 13:59

Tgt Ion:105 Resp: 883494
Ion Ratio Lower Upper
105 100
120 46.6 23.2 69.5





#85

sec-Butylbenzene

Concen: 122.251 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.01 min

Lab File: VD065675.D

Acq: 24 Apr 2020 13:59

Instrument :

MSVOA_D

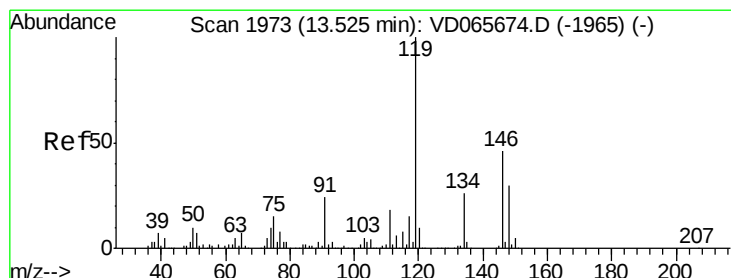
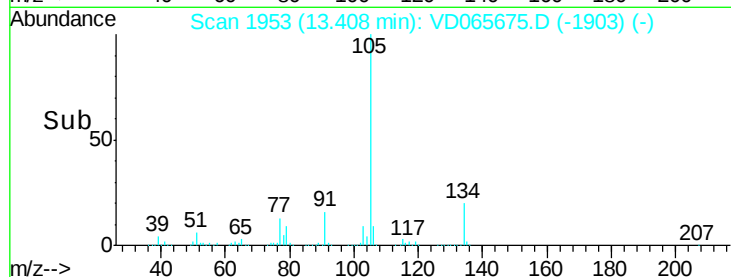
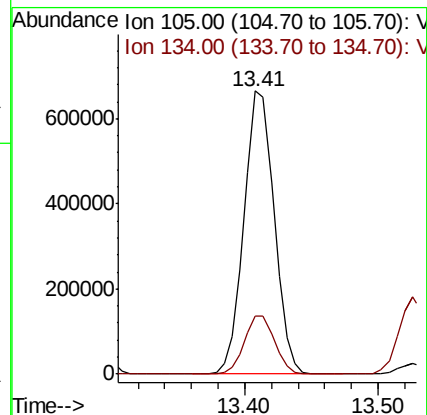
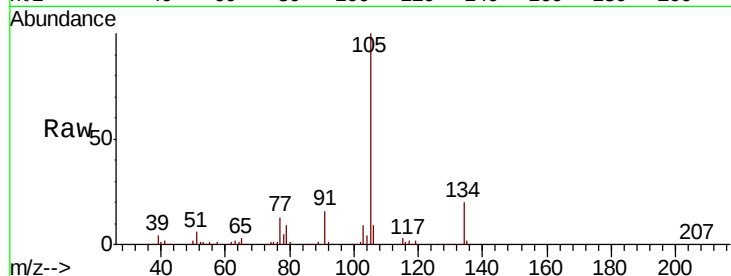
ClientSampleId :

Tot Ion:105 Resp: 1040512

Ion Ratio Lower Upper

105 100

134 20.6 10.3 30.8



#86

p-Isopropyltoluene

Concen: 124.040 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065675.D

Acq: 24 Apr 2020 13:59

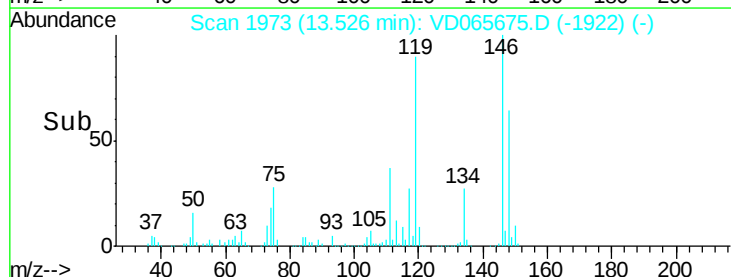
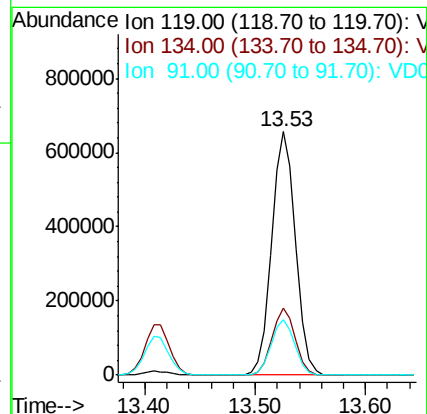
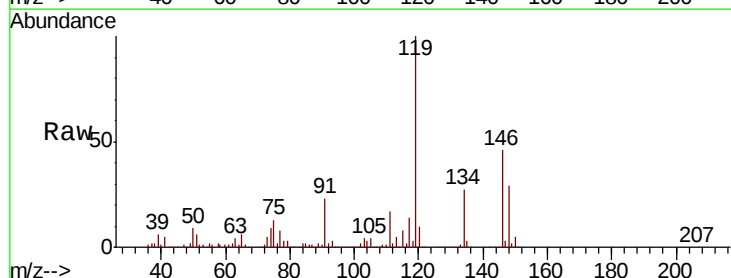
Tgt Ion:119 Resp: 988837

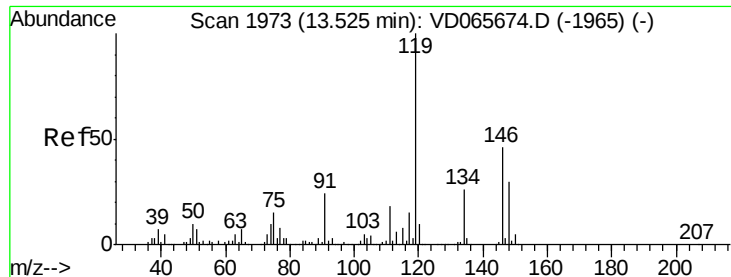
Ion Ratio Lower Upper

119 100

134 26.9 13.2 39.5

91 22.5 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 106.633 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065675.D

Acq: 24 Apr 2020 13:59

Instrument :

MSVOA_D

ClientSampleId :

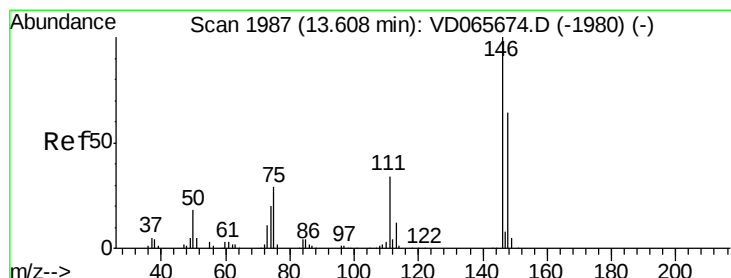
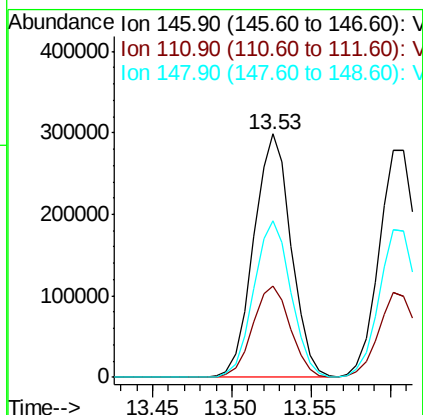
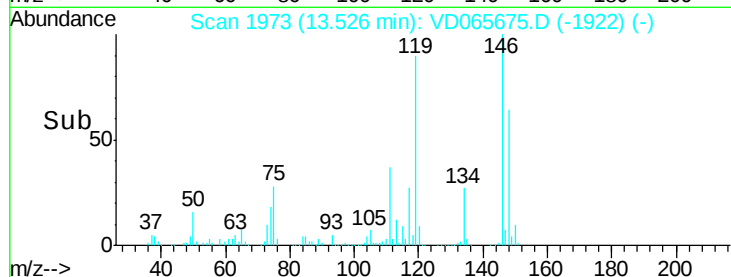
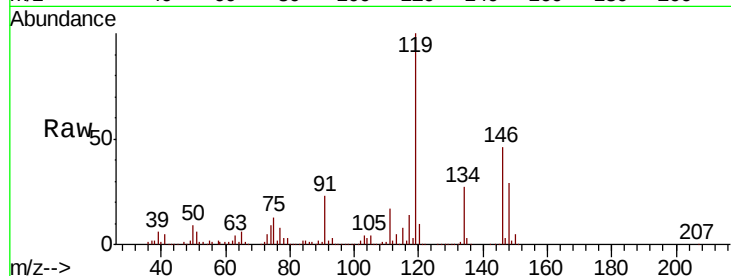
Tot Ion:146 Resp: 489548

Ion Ratio Lower Upper

146 100

111 37.8 19.3 57.9

148 64.1 32.6 97.8



#88

1,4-Dichlorobenzene

Concen: 101.139 ug/l

RT: 13.61 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VD065675.D

Acq: 24 Apr 2020 13:59

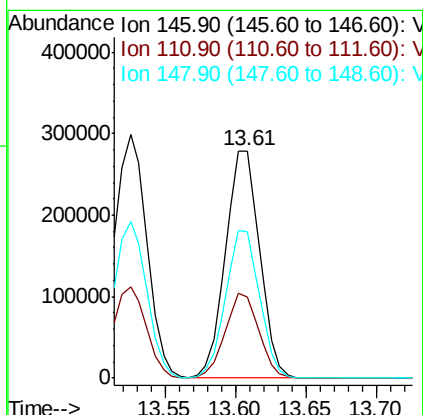
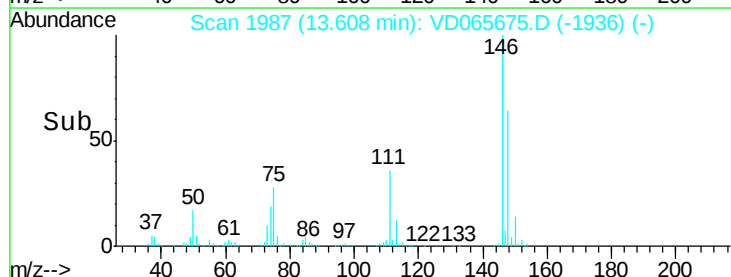
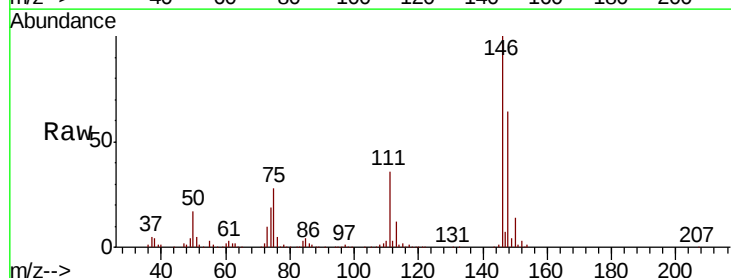
Tgt Ion:146 Resp: 470338

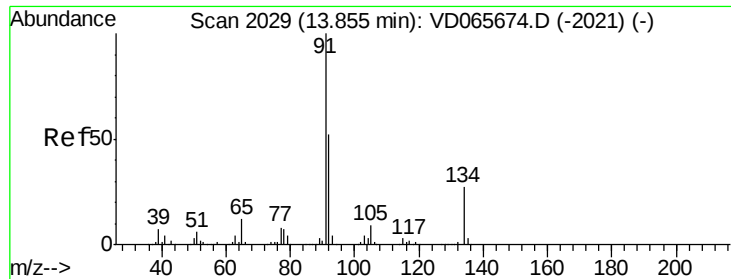
Ion Ratio Lower Upper

146 100

111 36.6 18.3 54.8

148 64.4 32.1 96.5

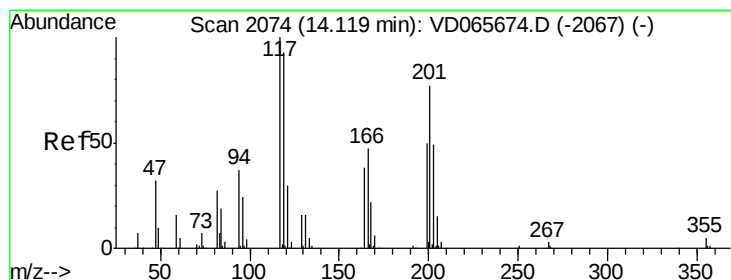
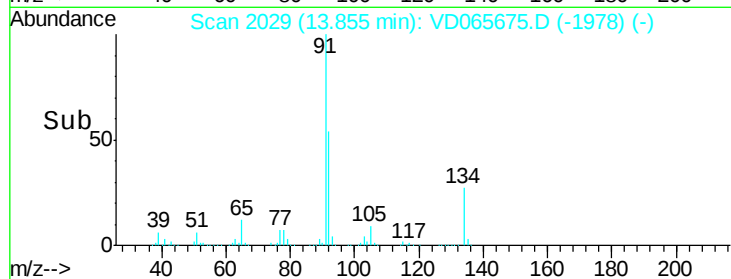
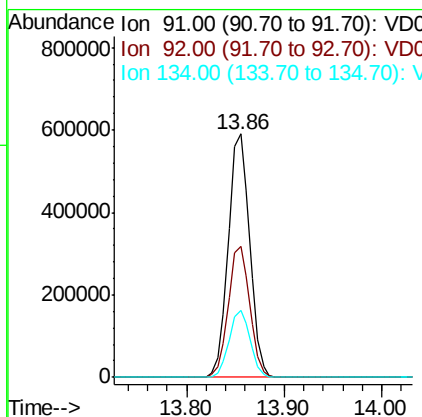
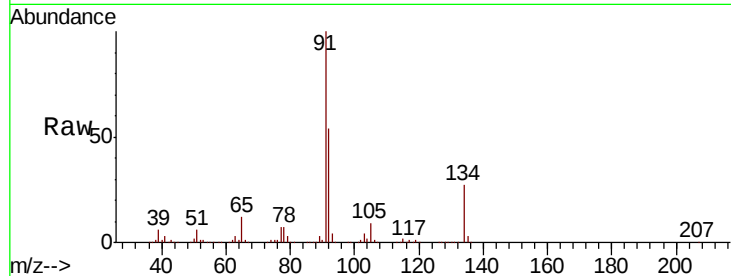




#89
n-Butylbenzene
Concen: 121.919 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065675.D
Acq: 24 Apr 2020 13:59

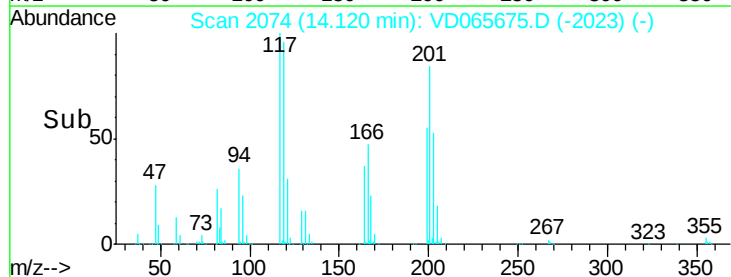
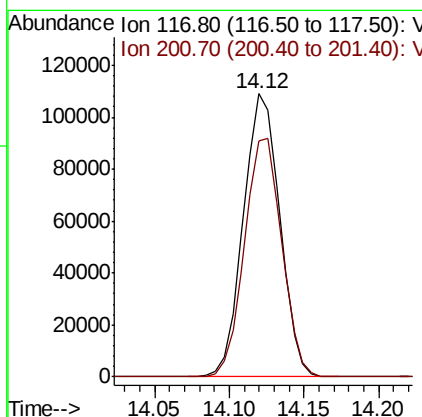
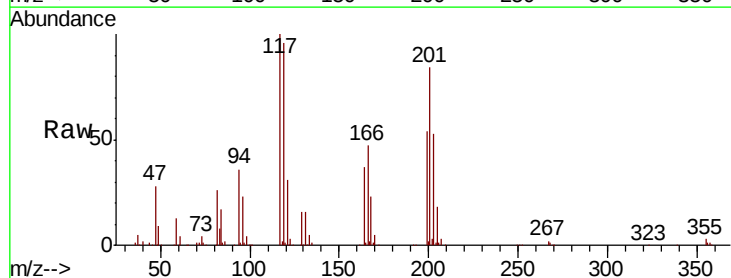
Instrument :
MSVOA_D
ClientSampleId :

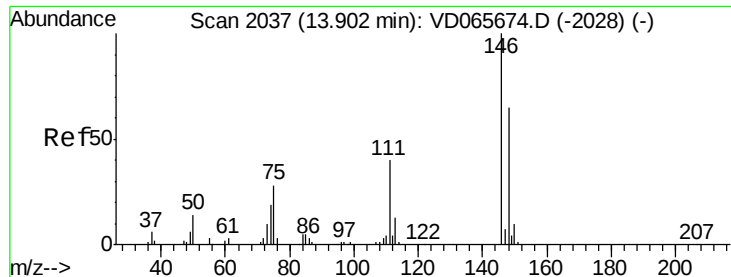
Tot Ion: 91 Resp: 899943
Ion Ratio Lower Upper
91 100
92 53.8 26.3 78.8
134 26.8 13.0 39.0



#90
Hexachloroethane
Concen: 98.054 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065675.D
Acq: 24 Apr 2020 13:59

Tgt Ion: 117 Resp: 184257
Ion Ratio Lower Upper
117 100
201 86.1 42.1 126.3

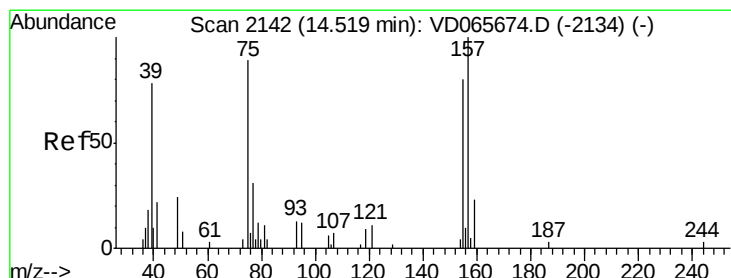
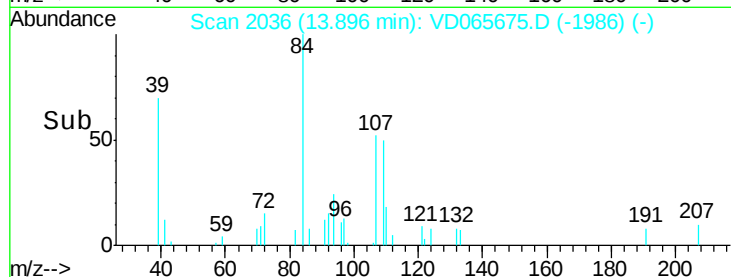
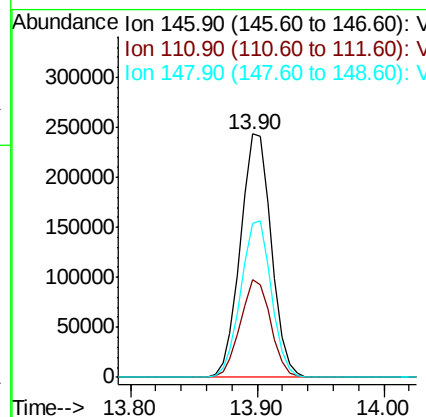
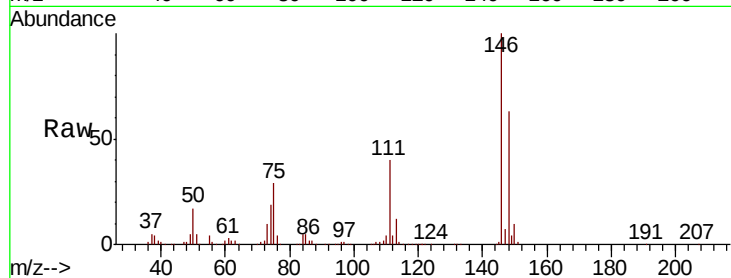




#91
 1,2-Dichlorobenzene
 Concen: 103.235 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065675.D
 Acq: 24 Apr 2020 13:59

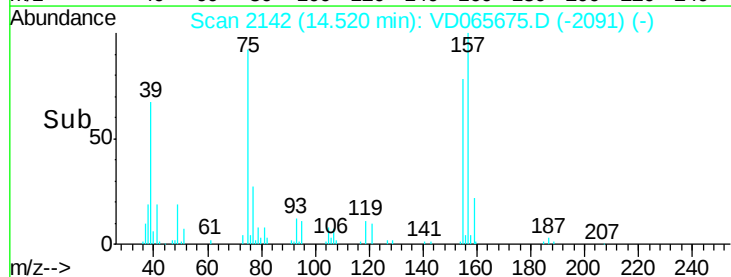
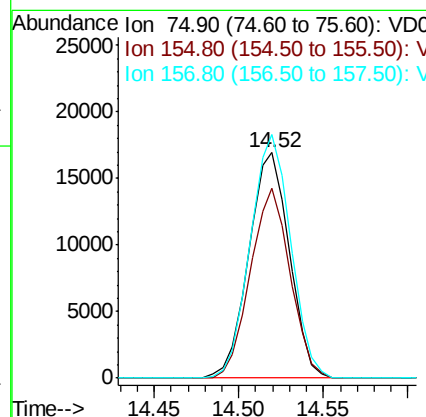
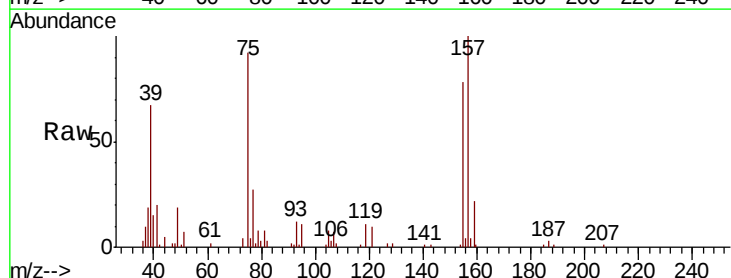
Instrument :
 MSVOA_D
 ClientSampleId :

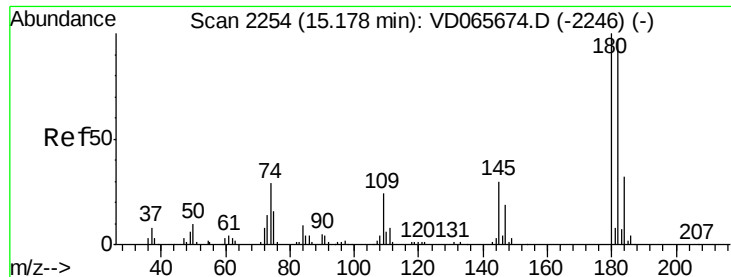
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.8	59.3
148	63.8	31.5	94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 107.312 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065675.D
 Acq: 24 Apr 2020 13:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.7	41.8	125.3
157	107.7	53.9	161.7

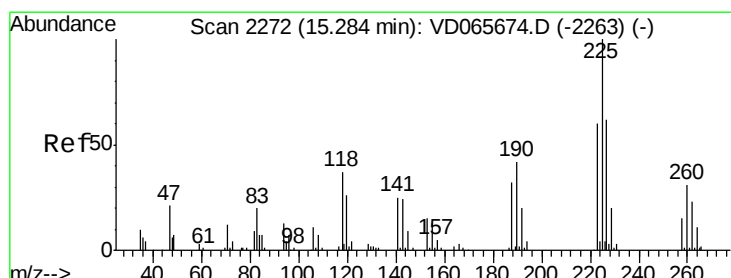
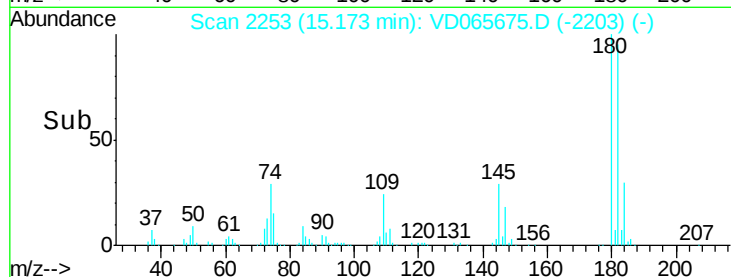
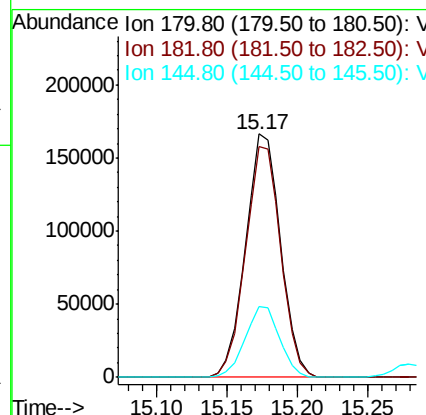
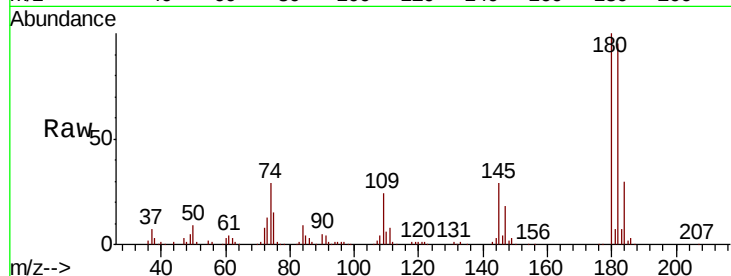




#93
 1,2,4-Trichlorobenzene
 Concen: 116.048 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065675.D
 Acq: 24 Apr 2020 13:59

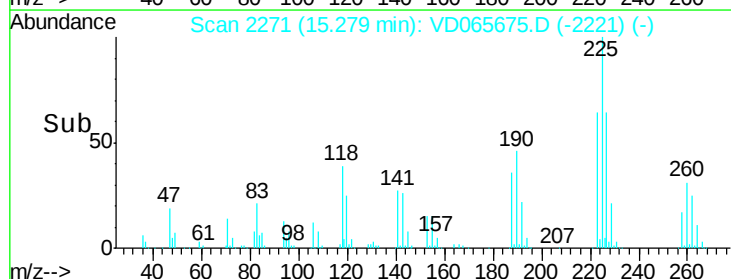
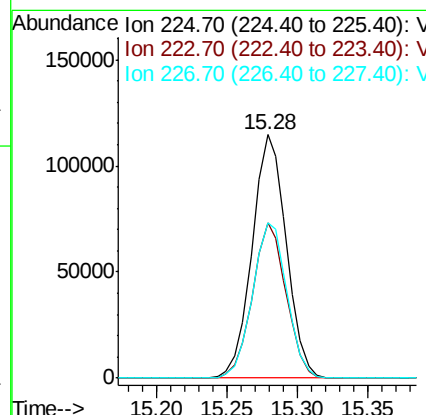
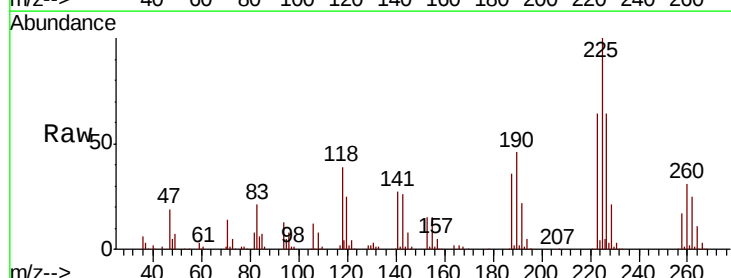
Instrument :
 MSVOA_D
 ClientSampleID :

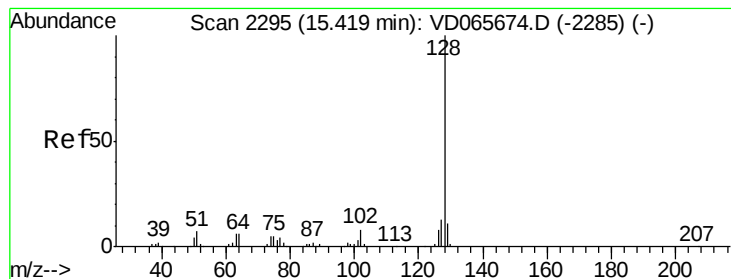
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.1	141.3
145	28.7	14.3	42.9



#94
 Hexachlorobutadiene
 Concen: 100.864 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065675.D
 Acq: 24 Apr 2020 13:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.0	93.0
227	64.2	31.6	94.8





#95

Naphthalene

Concen: 140.244 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.01 min

Lab File: VD065675.D

Acq: 24 Apr 2020 13:59

Instrument :

MSVOA_D

ClientSampleId :

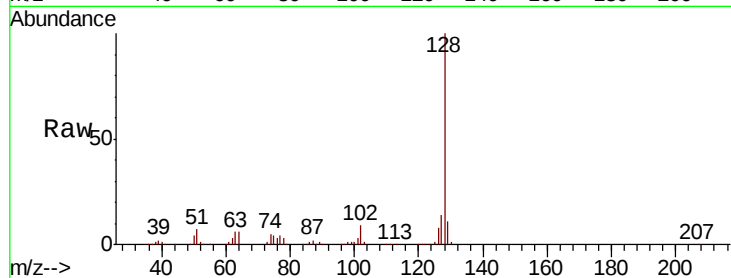
Tot Ion:128 Resp: 482585

Ion Ratio Lower Upper

128 100

127 13.5 11.4 17.0

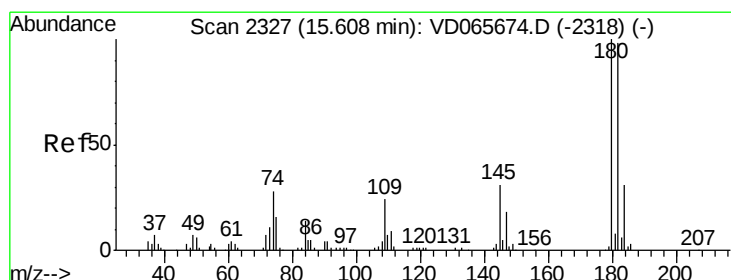
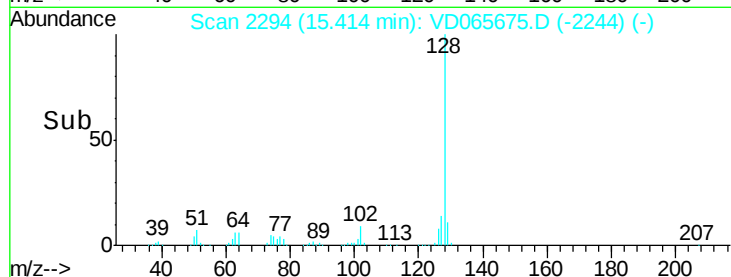
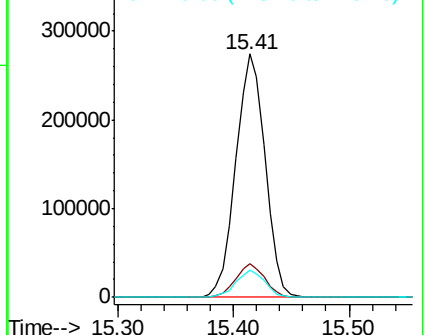
129 11.0 8.7 13.1



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: 113.200 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD065675.D

Acq: 24 Apr 2020 13:59

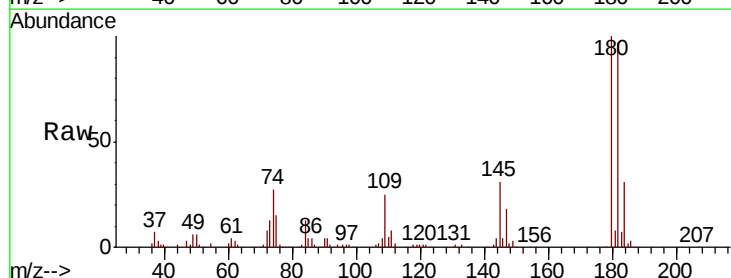
Tgt Ion:180 Resp: 253288

Ion Ratio Lower Upper

180 100

182 95.6 47.8 143.3

145 30.6 15.6 46.8



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

