

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030420\
 Data File : VD065421.D
 Acq On : 04 Mar 2020 20:06
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 05 01:29:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	460641	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	677905	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	614977	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	303774	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	203720	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	
35) Dibromofluoromethane	7.91	113	215525	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
50) Toluene-d8	10.34	98	850356	52.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.74%	
62) 4-Bromofluorobenzene	12.64	95	266932	53.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	183830	46.435	ug/l	100
3) Chloromethane	2.21	50	226346	47.356	ug/l	99
4) Vinyl Chloride	2.35	62	227717	48.303	ug/l	99
5) Bromomethane	2.77	94	144137	55.047	ug/l	98
6) Chloroethane	2.92	64	140420	48.633	ug/l	99
7) Trichlorofluoromethane	3.27	101	340016	48.947	ug/l	98
8) Diethyl Ether	3.70	74	107722	52.146	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	222811	49.802	ug/l	98
10) Methyl Iodide	4.29	142	264712	56.952	ug/l	98
11) Tert butyl alcohol	5.24	59	57968	255.761	ug/l	97
12) 1,1-Dichloroethene	4.06	96	211701	49.416	ug/l	99
13) Acrolein	3.92	56	90173	230.690	ug/l	100
14) Allyl chloride	4.71	41	340647	51.762	ug/l	99
15) Acrylonitrile	5.43	53	237214	263.952	ug/l	99
16) Acetone	4.16	43	183926	230.158	ug/l	97
17) Carbon Disulfide	4.40	76	716595	50.229	ug/l	100
18) Methyl Acetate	4.72	43	106619	52.597	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	456429	55.402	ug/l	99
20) Methylene Chloride	4.96	84	237684	55.124	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	248218	52.085	ug/l	97
22) Diisopropyl ether	6.37	45	683472	55.868	ug/l	97
23) Vinyl Acetate	6.31	43	1938268	285.343	ug/l	99
24) 1,1-Dichloroethane	6.26	63	408685	52.082	ug/l	98
25) 2-Butanone	7.22	43	282149	258.726	ug/l	98
26) 2,2-Dichloropropane	7.21	77	335897	48.984	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	261032	53.588	ug/l	98
28) Bromochloromethane	7.55	49	171012	54.472	ug/l	97
29) Tetrahydrofuran	7.57	42	193645	278.056	ug/l	99
30) Chloroform	7.71	83	414044	52.791	ug/l	98
31) Cyclohexane	7.99	56	381498	48.621	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	371601	51.270	ug/l	99
36) 1,1-Dichloropropene	8.11	75	334975	51.549	ug/l	99
37) Ethyl Acetate	7.30	43	131312	52.282	ug/l	98
38) Carbon Tetrachloride	8.10	117	333923	49.555	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	400003	50.966	ug/l	97
40) Benzene	8.36	78	945793	52.057	ug/l	100
41) Methacrylonitrile	7.53	41	66811	50.299	ug/l	94
42) 1,2-Dichloroethane	8.43	62	247938	52.260	ug/l	100
43) Isopropyl Acetate	8.46	43	247283	53.321	ug/l	99
44) Trichloroethene	9.11	130	262215	51.105	ug/l	97
45) 1,2-Dichloropropane	9.39	63	230150	52.295	ug/l	98
46) Dibromomethane	9.48	93	119949	52.544	ug/l	96
47) Bromodichloromethane	9.67	83	313782	52.835	ug/l	97
48) Methyl methacrylate	9.46	41	118429	54.289	ug/l	99
49) 1,4-Dioxane	9.47	88	29244	1119.933	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	645808	276.728	ug/l	100
52) Toluene	10.41	92	610991	53.382	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	299026	53.879	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	362883	54.018	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	169300	52.362	ug/l	99
56) Ethyl methacrylate	10.67	69	207785	57.005	ug/l	98
57) 1,3-Dichloropropane	10.95	76	289994	53.009	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	279071	245.010	ug/l	99
59) 2-Hexanone	10.99	43	437140	270.591	ug/l	99
60) Dibromochloromethane	11.14	129	219240	52.899	ug/l	99
61) 1,2-Dibromoethane	11.25	107	164158	53.228	ug/l	98
64) Tetrachloroethene	10.88	164	224703	50.991	ug/l	97
65) Chlorobenzene	11.67	112	630704	51.826	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	236931	53.456	ug/l	97
67) Ethyl Benzene	11.75	91	1119279	53.228	ug/l	99
68) m/p-Xylenes	11.86	106	876491	108.101	ug/l	99
69) o-Xylene	12.18	106	394640	55.332	ug/l	100
70) Styrene	12.20	104	688632	54.861	ug/l	100
71) Bromoform	12.37	173	131487	52.815	ug/l #	100
73) Isopropylbenzene	12.48	105	1059754	53.039	ug/l	100
74) N-amyl acetate	12.30	43	224315	54.838	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	182449	51.948	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	233492	97.409	ug/l #	100
77) Bromobenzene	12.77	156	260526	52.481	ug/l	99
78) n-propylbenzene	12.83	91	1262090	53.237	ug/l	100
79) 2-Chlorotoluene	12.91	91	708211	53.006	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	878048	53.454	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	59097	52.028	ug/l	98
82) 4-Chlorotoluene	13.01	91	740223	52.722	ug/l	100
83) tert-Butylbenzene	13.23	119	737097	53.041	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	879878	54.341	ug/l	100
85) sec-Butylbenzene	13.41	105	1044772	52.669	ug/l	99
86) p-Isopropyltoluene	13.53	119	965078	53.317	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	491664	51.515	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	477942	50.343	ug/l	100
89) n-Butylbenzene	13.86	91	881630	52.684	ug/l	99
90) Hexachloroethane	14.12	117	189338	50.793	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	420301	51.749	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	27295	51.030	ug/l	98

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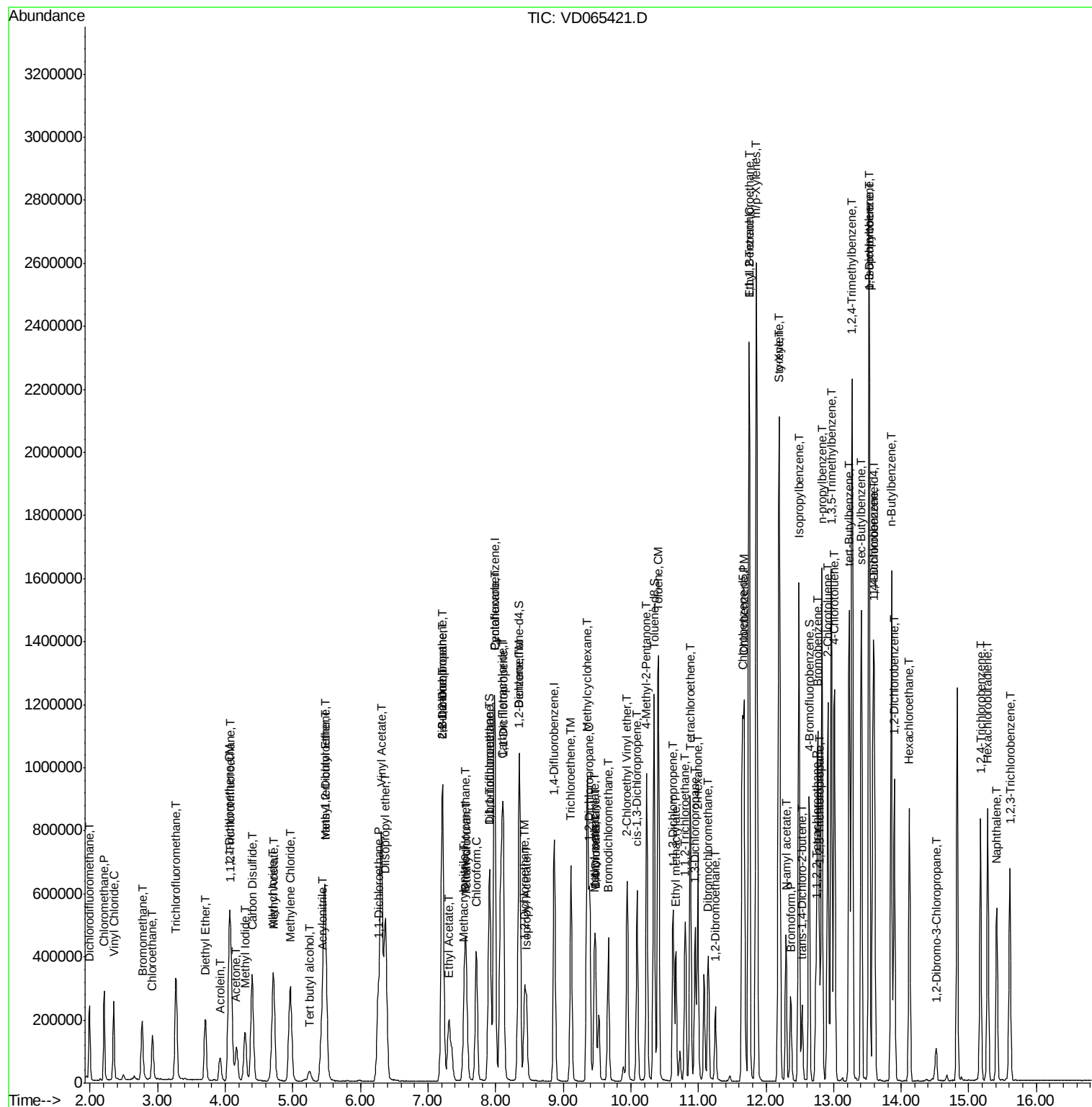
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	288206	52.356	ug/l	97
94) Hexachlorobutadiene	15.28	225	179689	49.679	ug/l	98
95) Naphthalene	15.41	128	479151	48.940	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	252260	53.031	ug/l	99

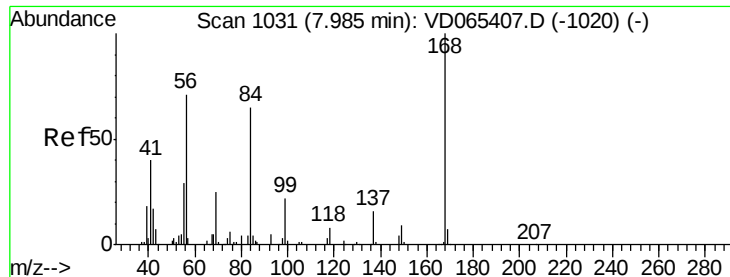
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Instrument :

MSVOA_D

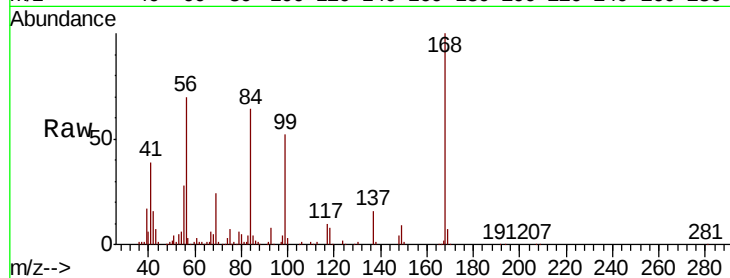
ClientSampled :

Tot Ion:168 Resp: 460641

Ion Ratio Lower Upper

168 100

99 51.4 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

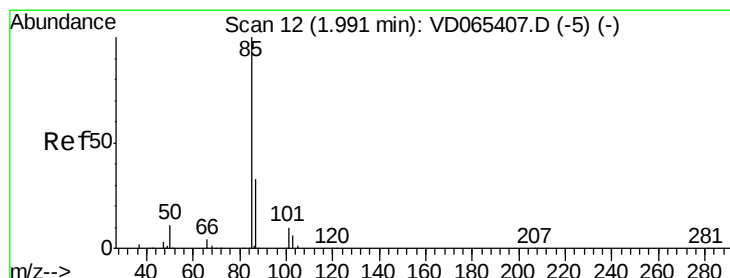
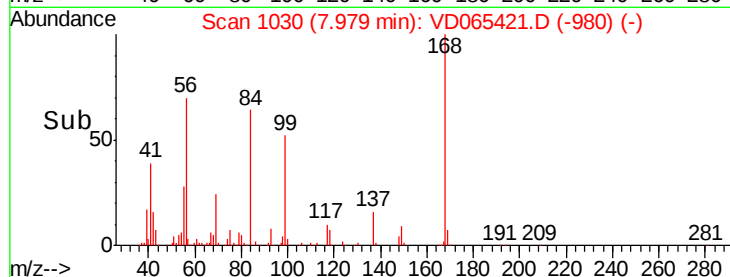
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 46.435 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065421.D

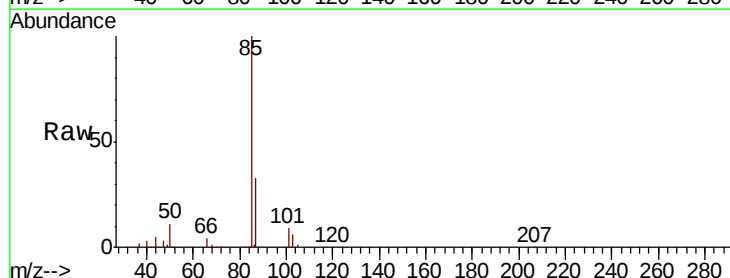
Acq: 04 Mar 2020 20:06

Tgt Ion: 85 Resp: 183830

Ion Ratio Lower Upper

85 100

87 32.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

150000

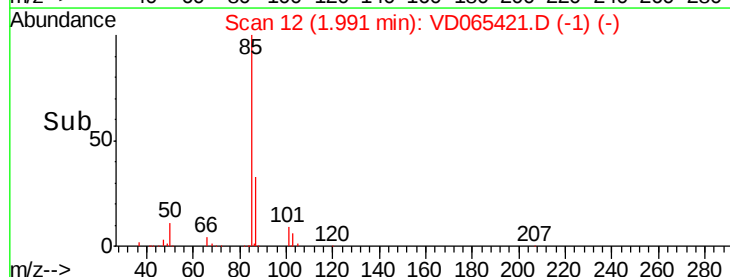
100000

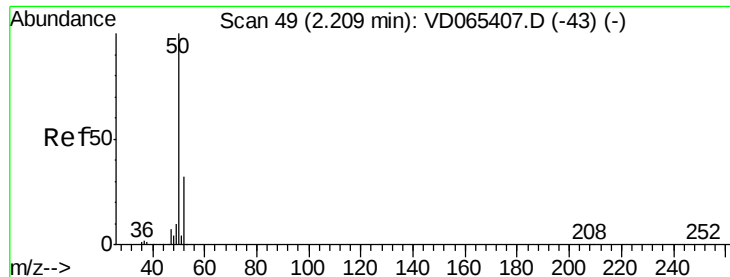
50000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 47.356 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Instrument :

MSVOA_D

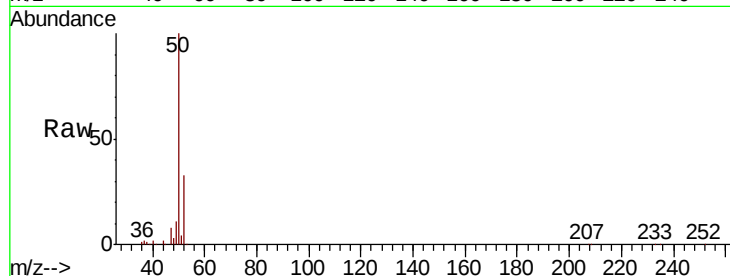
ClientSampleId :

Tot Ion: 50 Resp: 226346

Ion Ratio Lower Upper

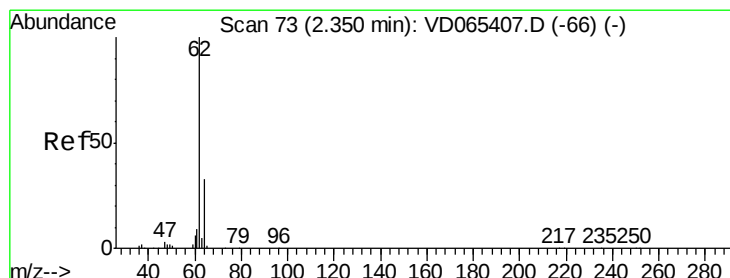
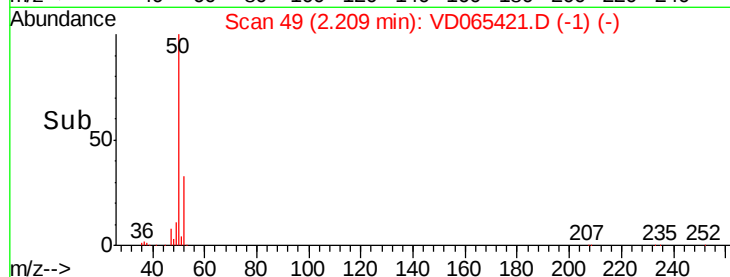
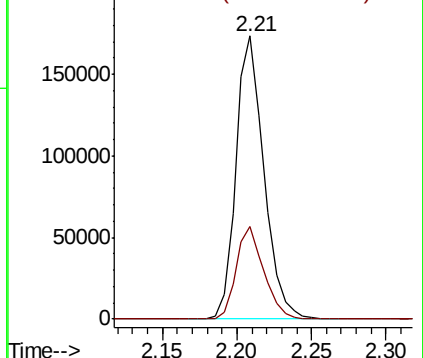
50 100

52 32.9 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.303 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065421.D

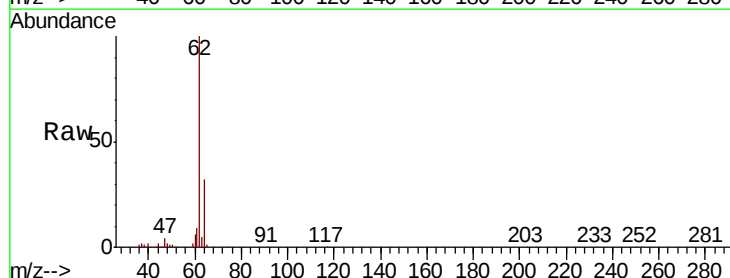
Acq: 04 Mar 2020 20:06

Tgt Ion: 62 Resp: 227717

Ion Ratio Lower Upper

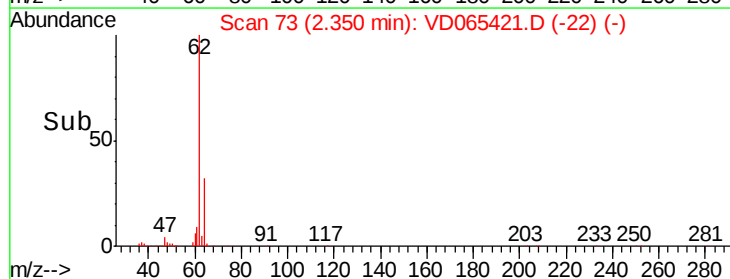
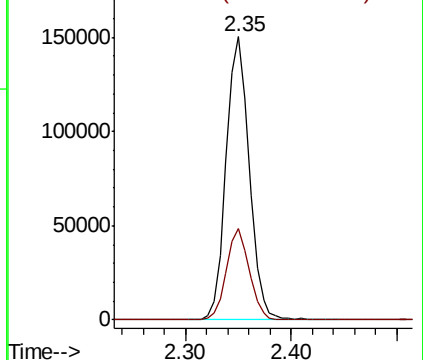
62 100

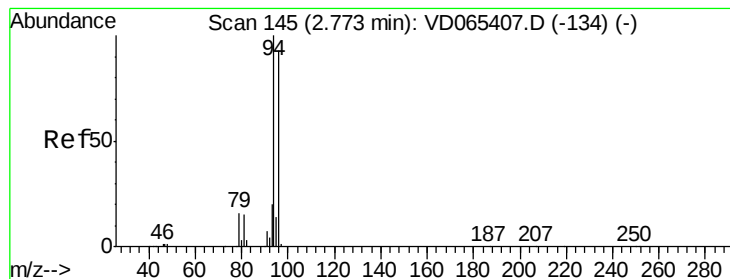
64 32.4 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 55.047 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Instrument :

MSVOA_D

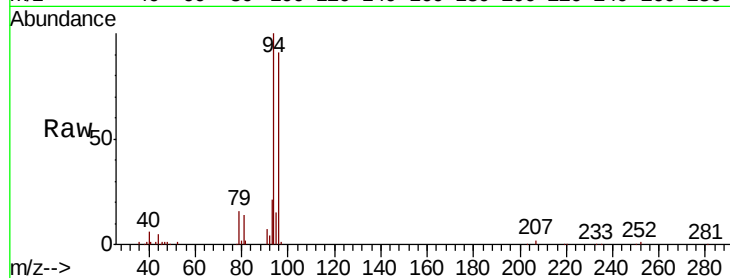
ClientSampleId :

Tot Ion: 94 Resp: 144137

Ion Ratio Lower Upper

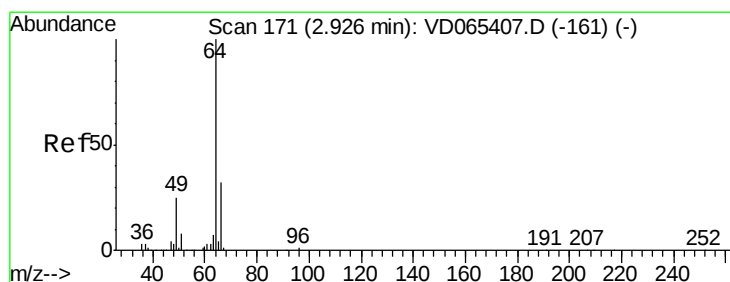
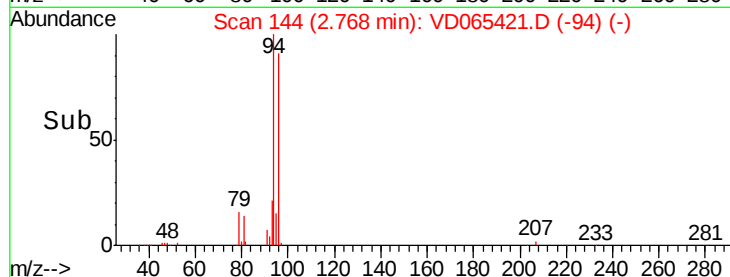
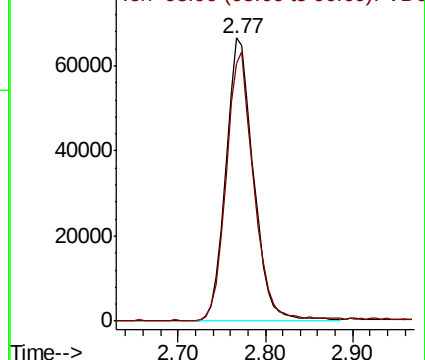
94 100

96 91.1 74.4 111.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 48.633 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065421.D

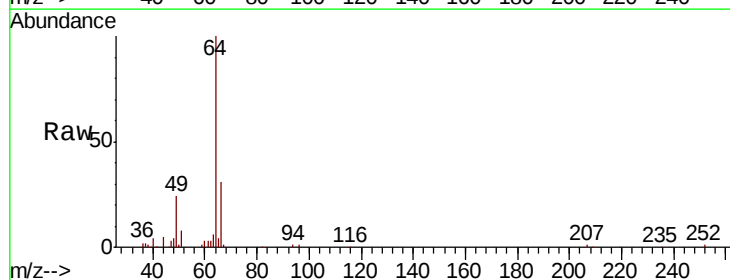
Acq: 04 Mar 2020 20:06

Tgt Ion: 64 Resp: 140420

Ion Ratio Lower Upper

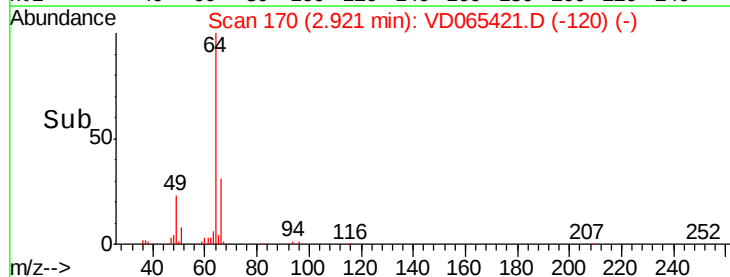
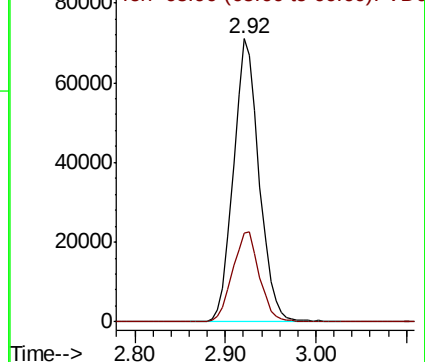
64 100

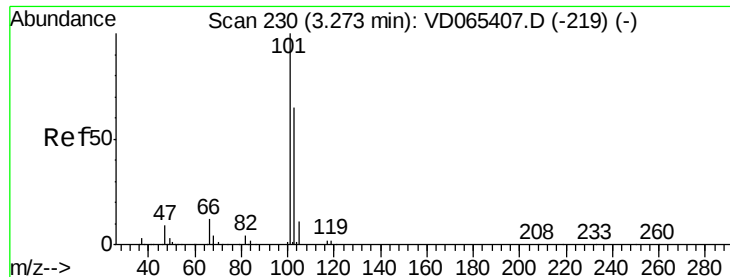
66 31.3 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



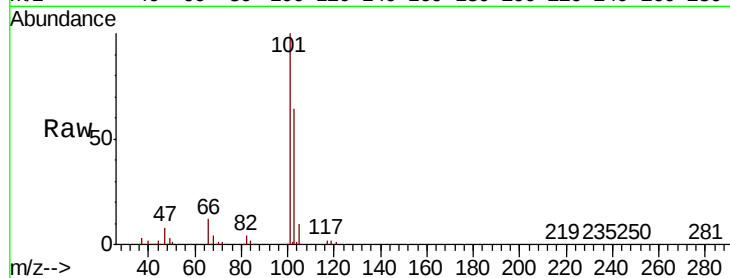


#7

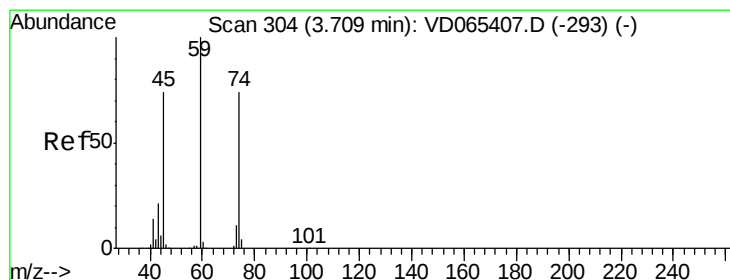
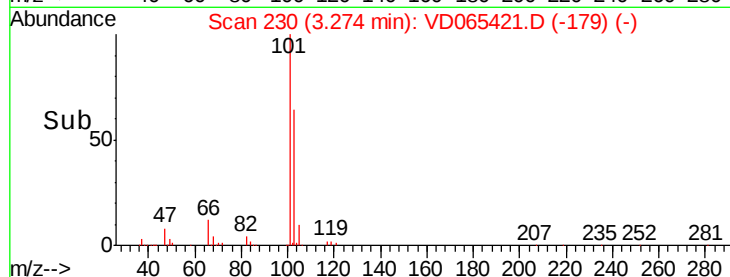
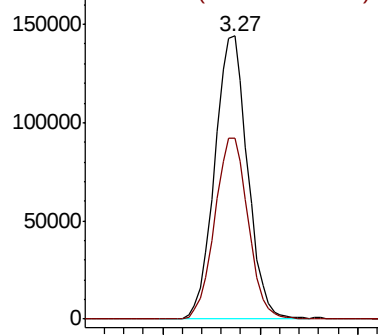
Trichlorofluoromethane
Concen: 48.947 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 340016
Ion Ratio Lower Upper
101 100
103 63.9 52.1 78.1



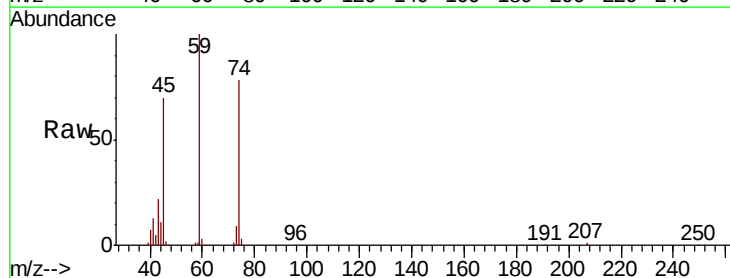
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



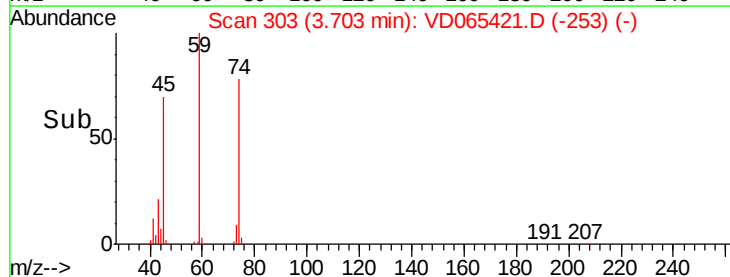
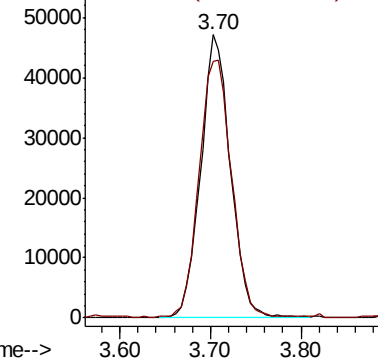
#8

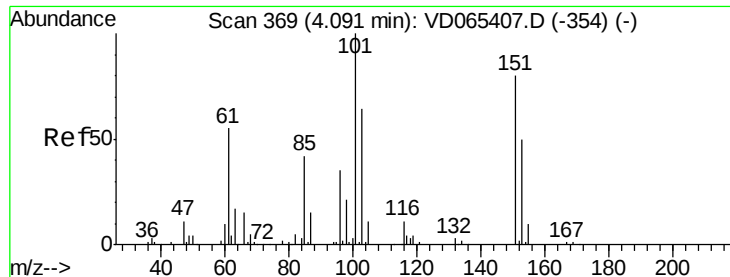
Diethyl Ether
Concen: 52.146 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Tgt Ion: 74 Resp: 107722
Ion Ratio Lower Upper
74 100
45 100.0 49.5 148.5



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.802 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Instrument :

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ClientSampled :

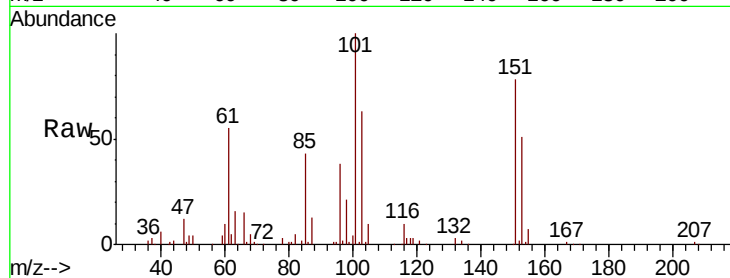
Tot Ion:101 Resp: 222811

Ion Ratio Lower Upper

101 100

85 42.3 34.2 51.2

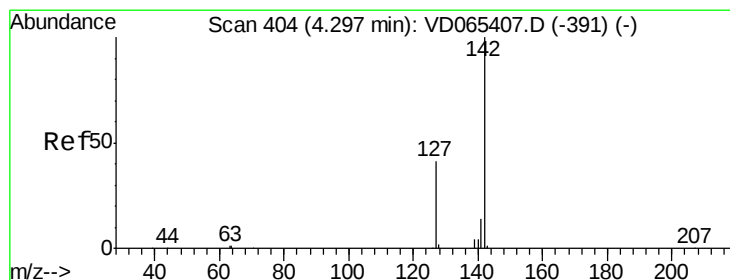
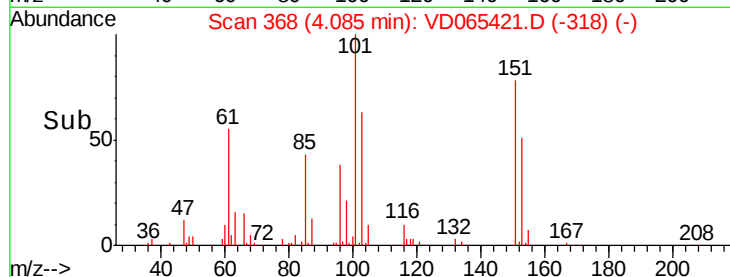
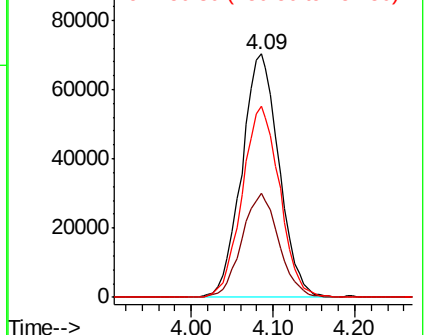
151 79.0 65.1 97.7



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: 56.952 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

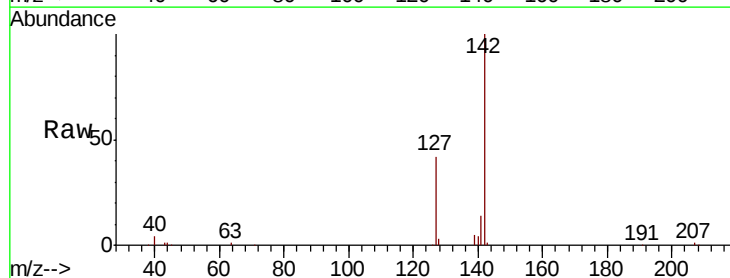
Tgt Ion:142 Resp: 264712

Ion Ratio Lower Upper

142 100

127 42.8 35.0 52.6

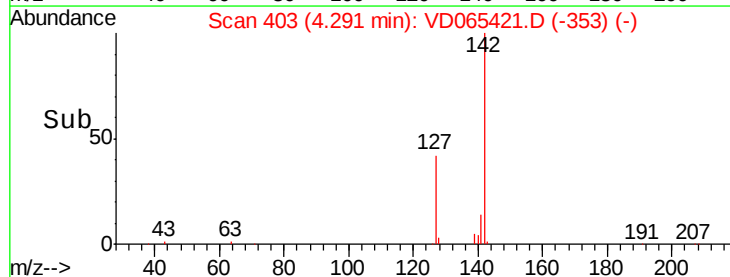
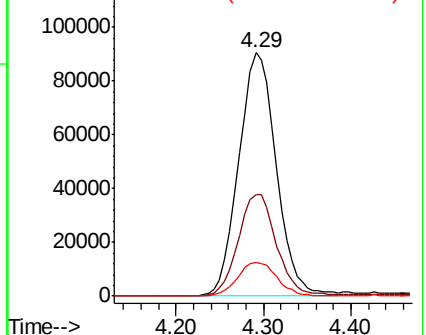
141 14.6 12.4 18.6

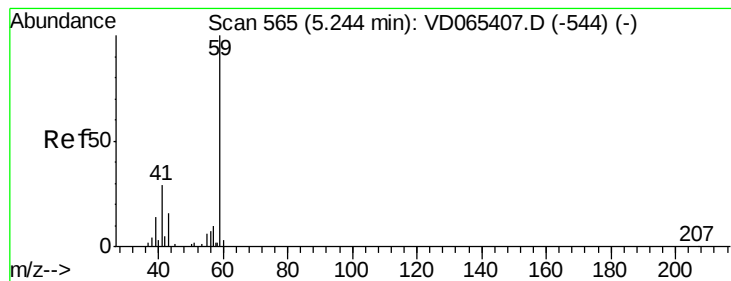


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 255.761 ug/l

RT: 5.24 min Scan# 565

Delta R.T. 0.00 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Instrument :

MSVOA_D

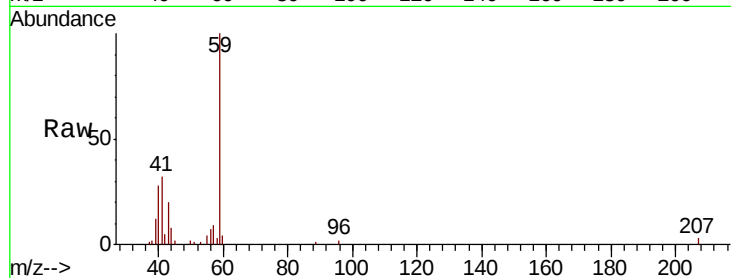
ClientSampleId :

Tot Ion: 59 Resp: 57968

Ion Ratio Lower Upper

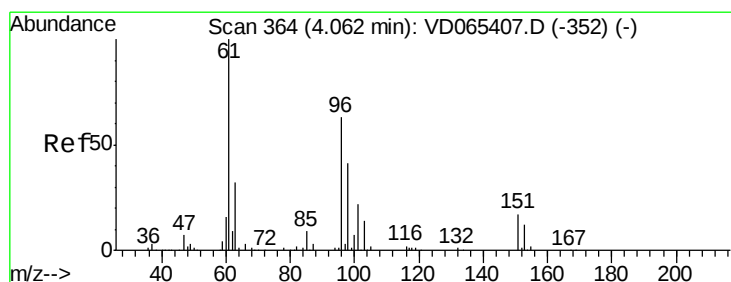
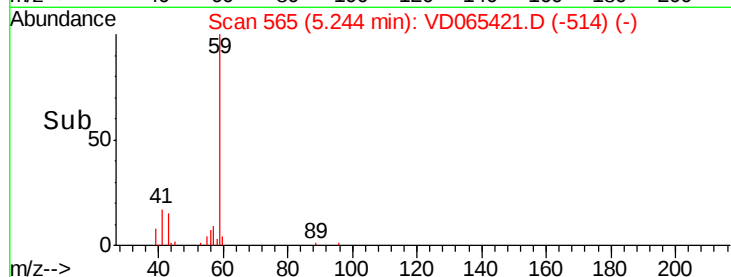
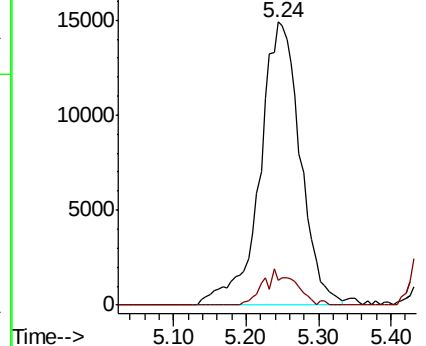
59 100

57 9.6 6.9 10.3



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 49.416 ug/l

RT: 4.06 min Scan# 364

Delta R.T. 0.00 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

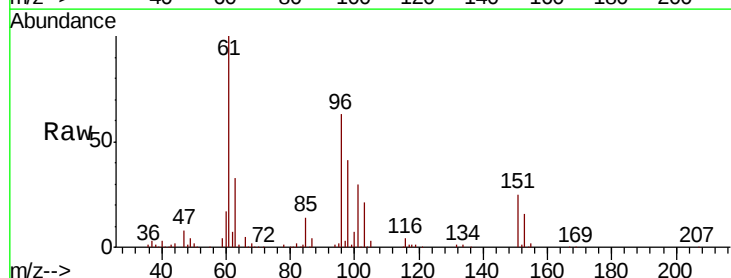
Tgt Ion: 96 Resp: 211701

Ion Ratio Lower Upper

96 100

61 158.9 128.0 192.0

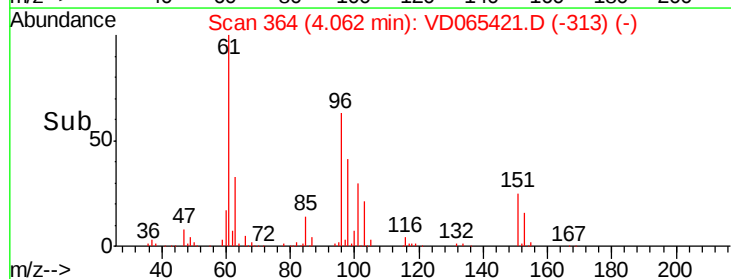
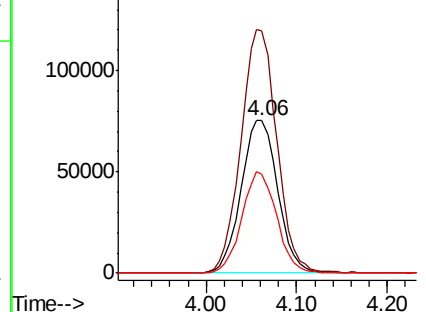
98 64.5 51.9 77.9

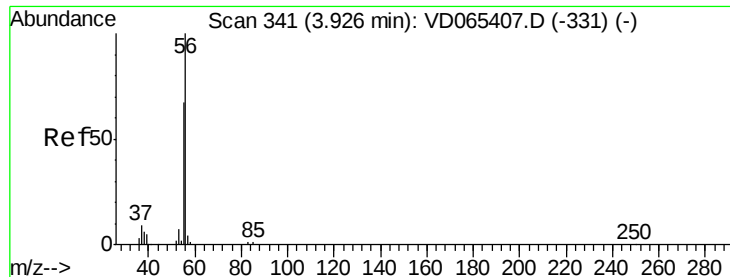


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 230.690 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Instrument :

MSVOA_D

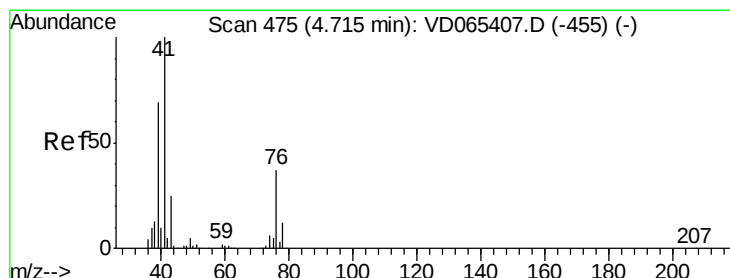
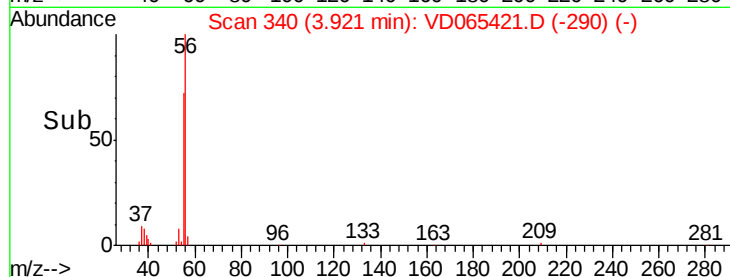
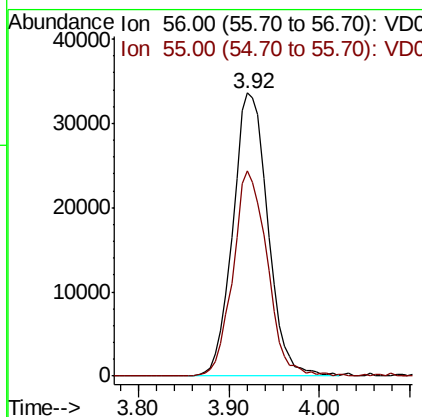
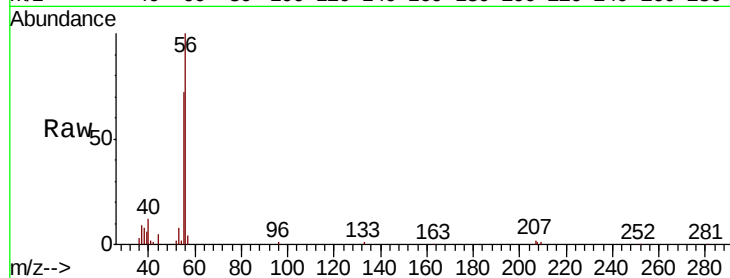
ClientSampleId :

Tot Ion: 56 Resp: 90173

Ion Ratio Lower Upper

56 100

55 70.8 56.6 85.0



#14

Allyl chloride

Concen: 51.762 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

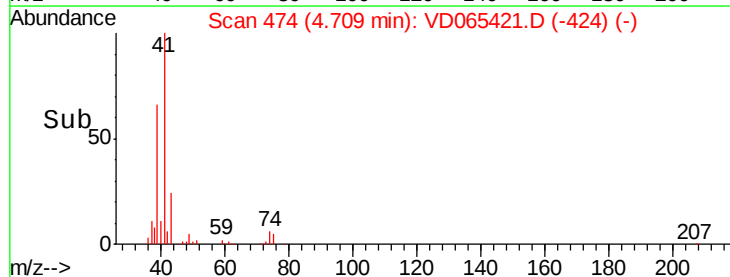
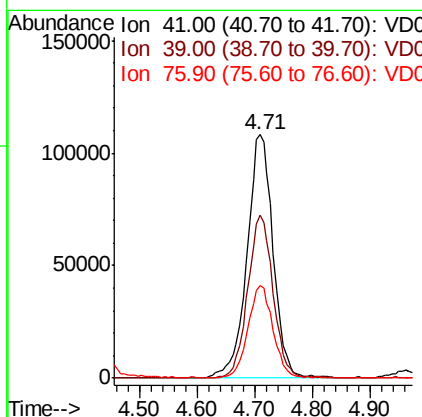
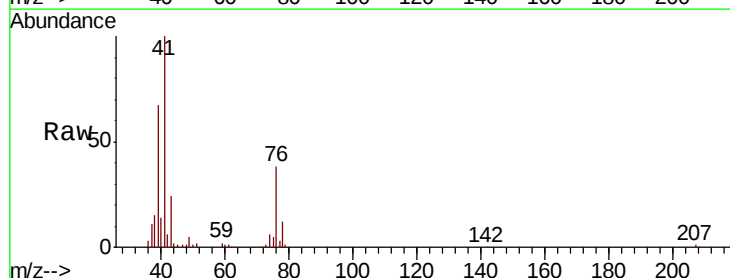
Tgt Ion: 41 Resp: 340647

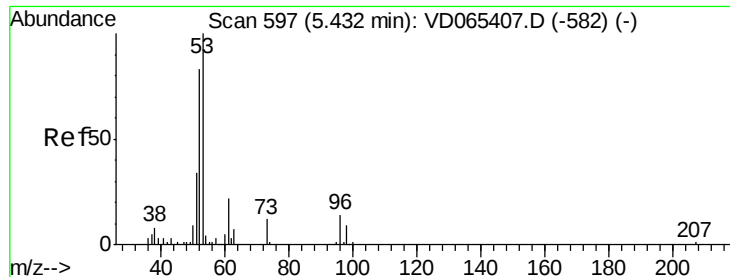
Ion Ratio Lower Upper

41 100

39 65.2 52.6 79.0

76 35.9 29.2 43.8





#15

Acrylonitrile

Concen: 263.952 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Instrument :

MSVOA_D

ClientSampleId :

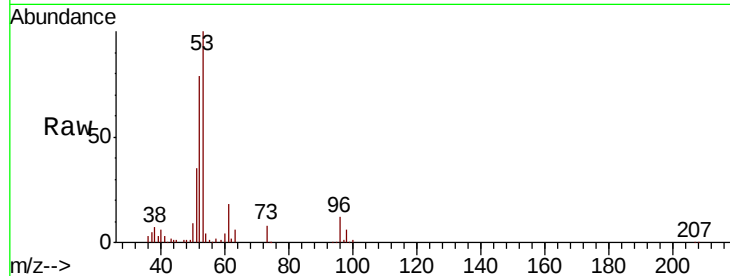
Tot Ion: 53 Resp: 237214

Ion Ratio Lower Upper

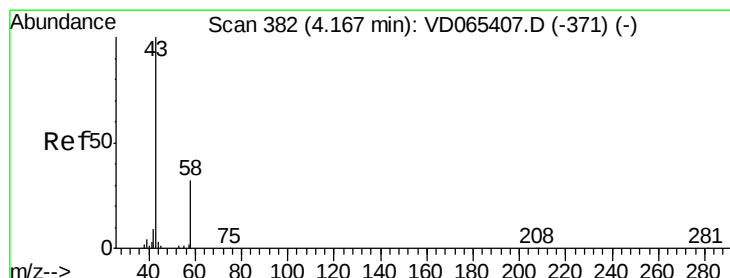
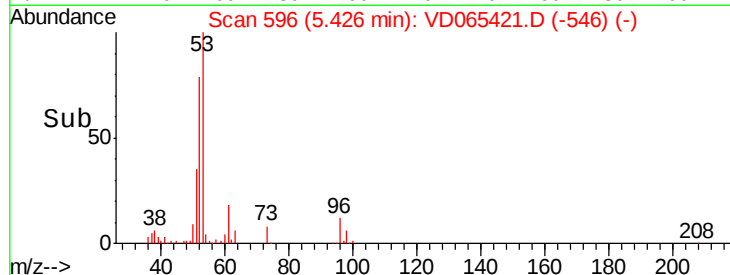
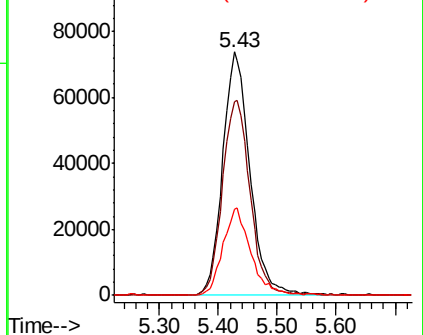
53 100

52 80.8 65.1 97.7

51 36.5 28.5 42.7



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



#16

Acetone

Concen: 230.158 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065421.D

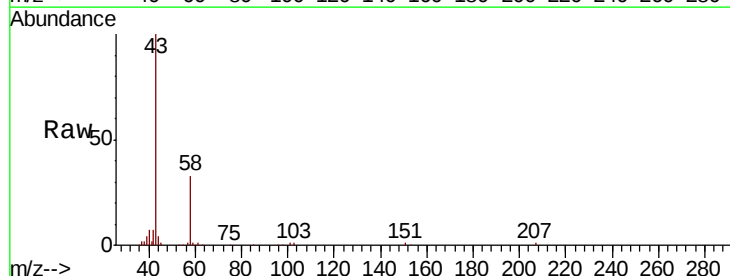
Acq: 04 Mar 2020 20:06

Tgt Ion: 43 Resp: 183926

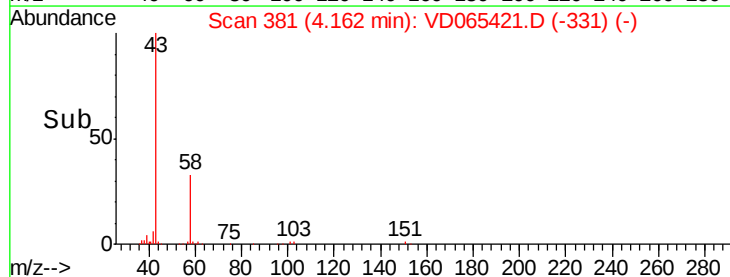
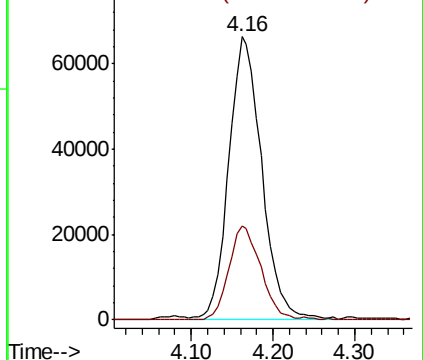
Ion Ratio Lower Upper

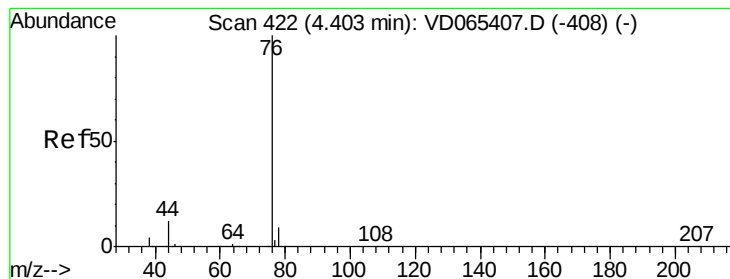
43 100

58 33.2 25.1 37.7



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





#17

Carbon Disulfide

Concen: 50.229 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Instrument :

MSVOA_D

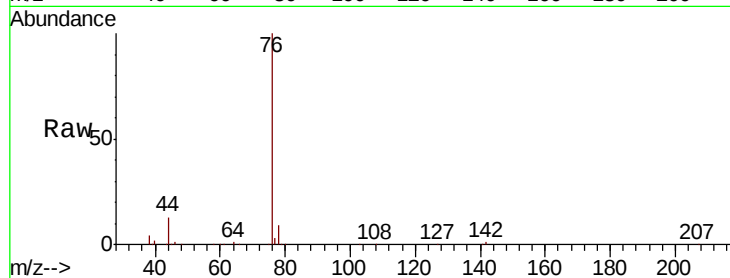
ClientSampleId :

Tot Ion: 76 Resp: 716595

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

250000

200000

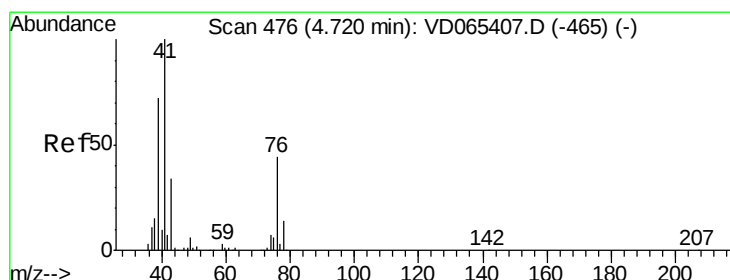
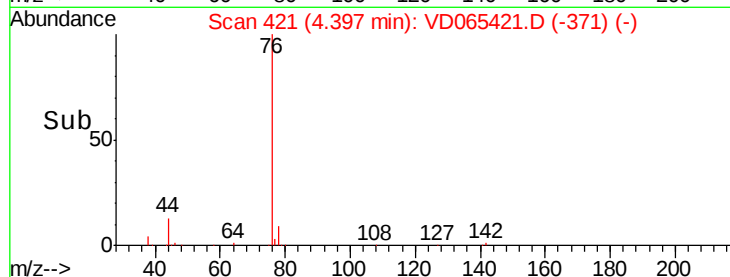
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 52.597 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD065421.D

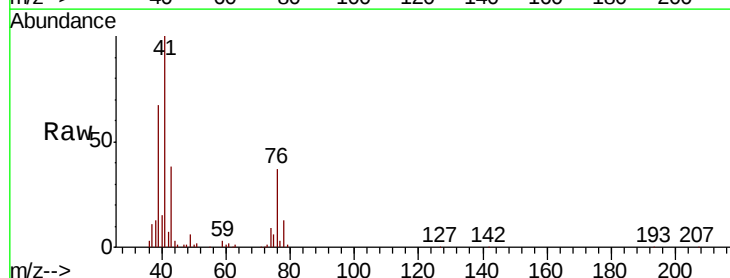
Acq: 04 Mar 2020 20:06

Tgt Ion: 43 Resp: 106619

Ion Ratio Lower Upper

43 100

74 22.9 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

40000

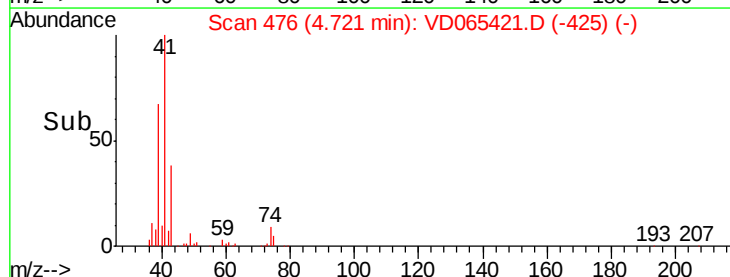
30000

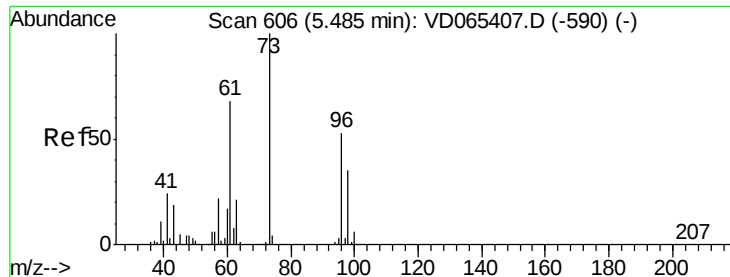
20000

10000

0

Time-->

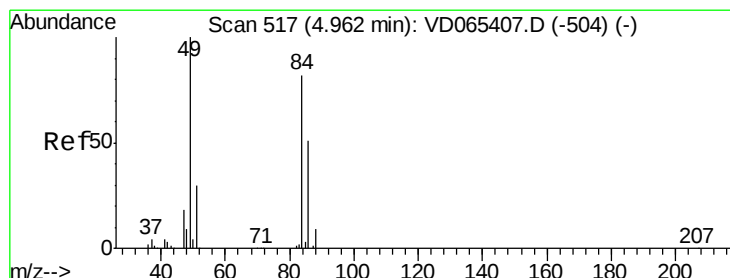
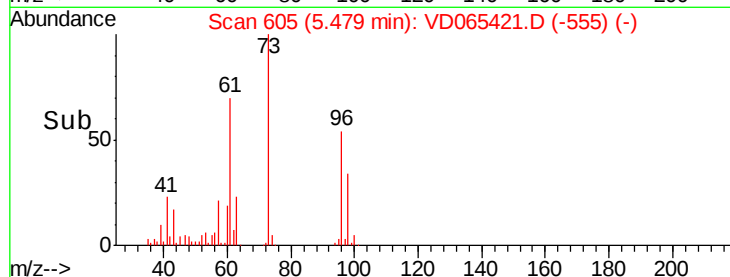
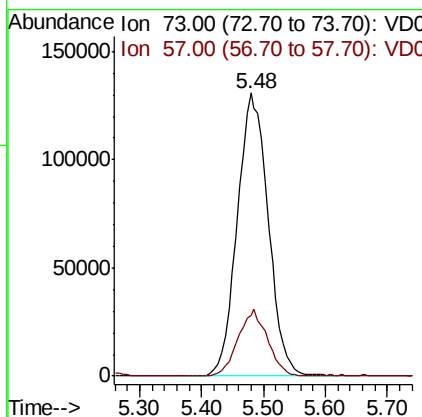
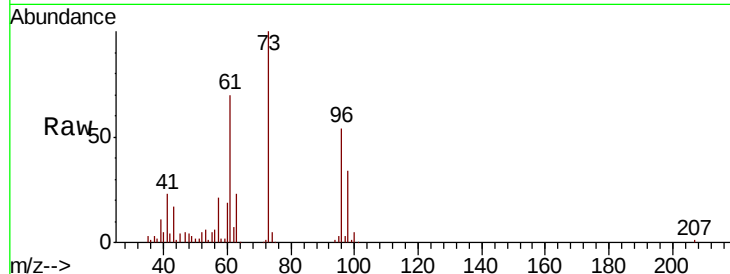




#19
Methvl tert-butvl Ether
Concen: 55.402 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

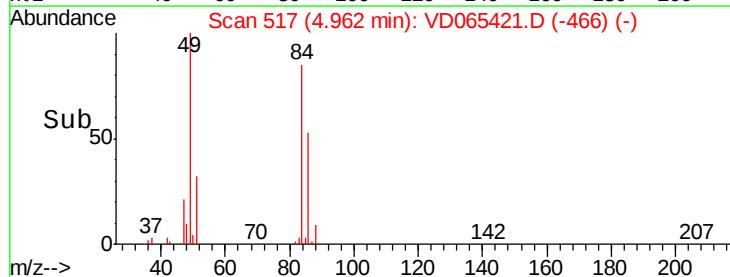
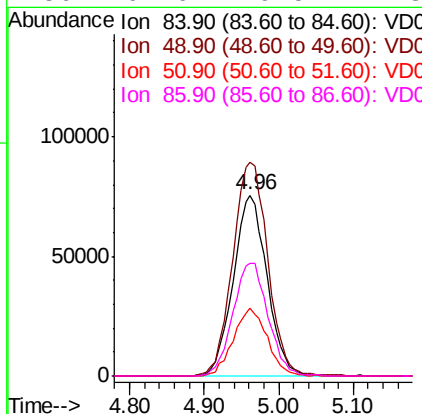
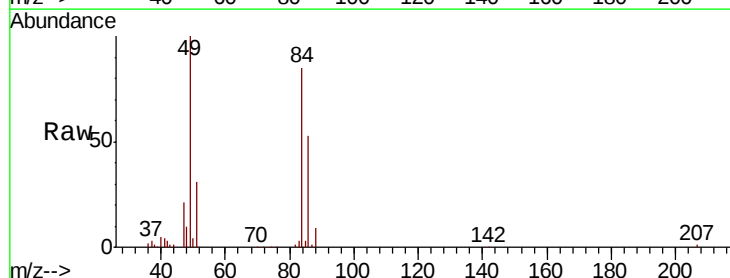
Instrument :
MSVOA_D
ClientSampleId :

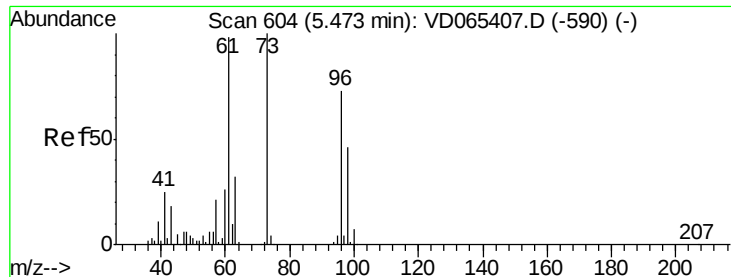
Tot Ion: 73 Resp: 456429
Ion Ratio Lower Upper
73 100
57 21.3 17.3 25.9



#20
Methylene Chloride
Concen: 55.124 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Tgt Ion: 84 Resp: 237684
Ion Ratio Lower Upper
84 100
49 118.2 97.7 146.5
51 37.2 28.8 43.2
86 62.6 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 52.085 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Instrument :

MSVOA_D

ClientSampleId :

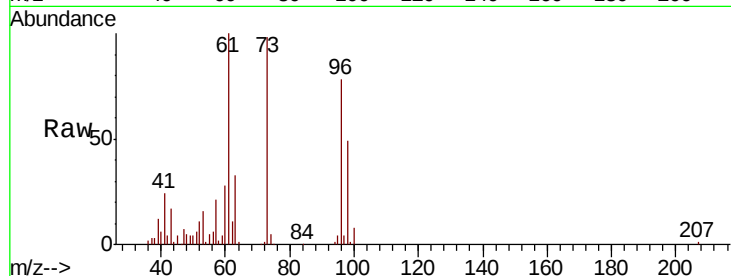
Tot Ion: 96 Resp: 248218

Ion Ratio Lower Upper

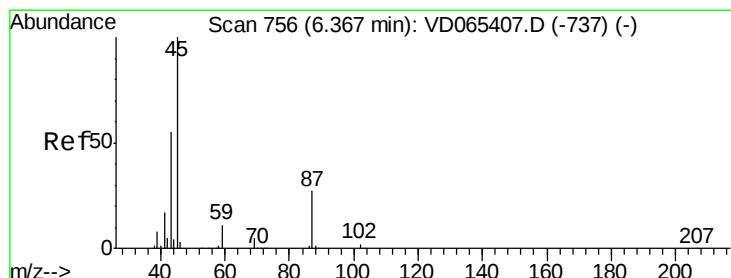
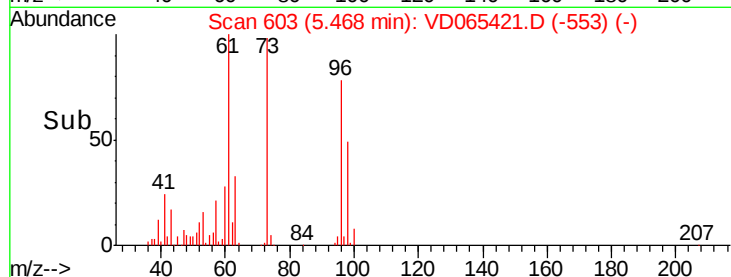
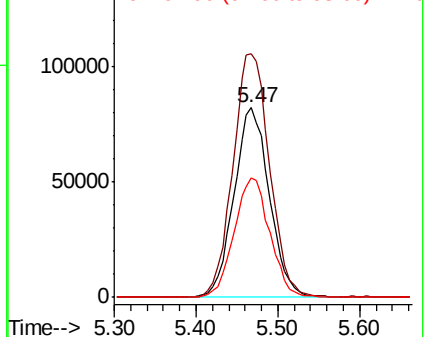
96 100

61 128.3 106.3 159.5

98 63.2 50.2 75.4



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: 55.868 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Tgt Ion: 45 Resp: 683472

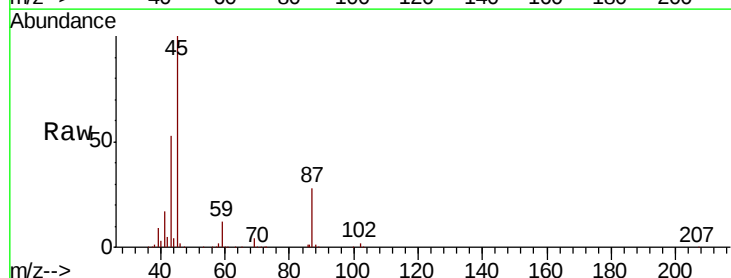
Ion Ratio Lower Upper

45 100

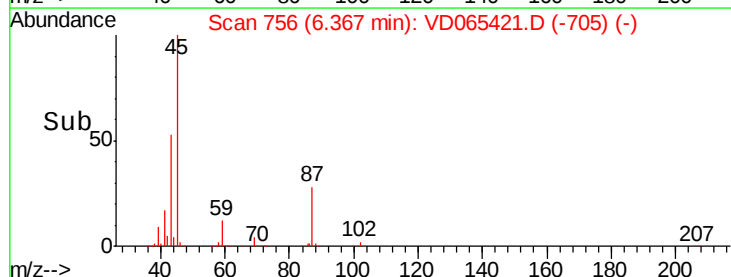
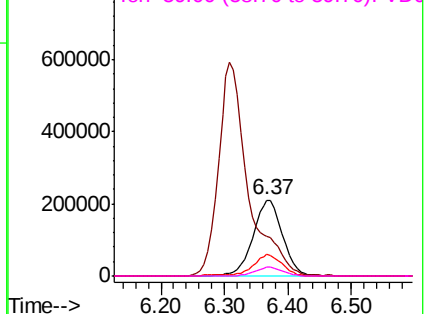
43 52.7 44.4 66.6

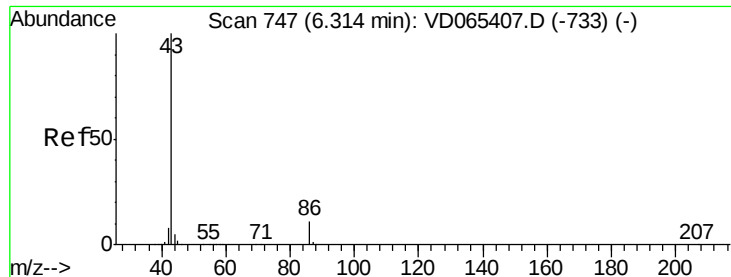
87 28.2 21.9 32.9

59 11.8 9.2 13.8



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: 285.343 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Instrument :

MSVOA_D

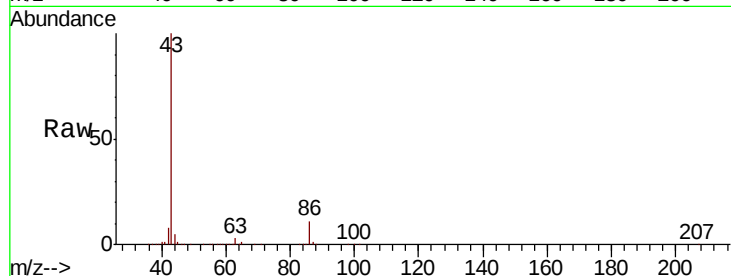
ClientSampleId :

Tot Ion: 43 Resp: 1938268

Ion Ratio Lower Upper

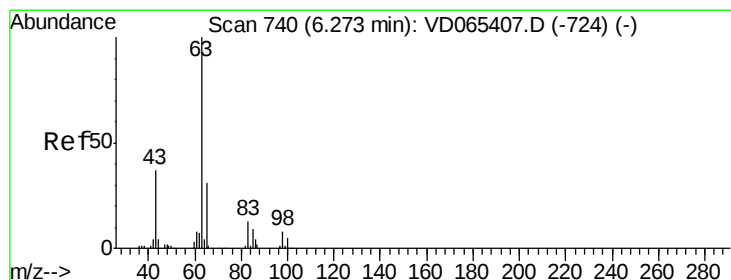
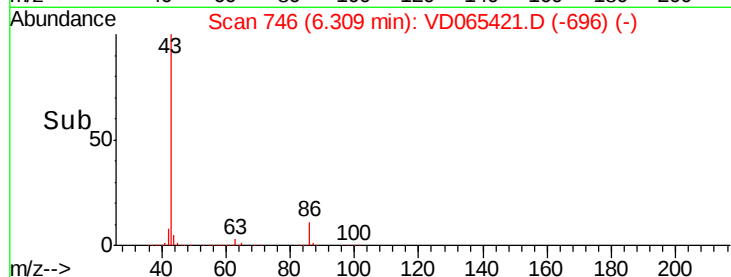
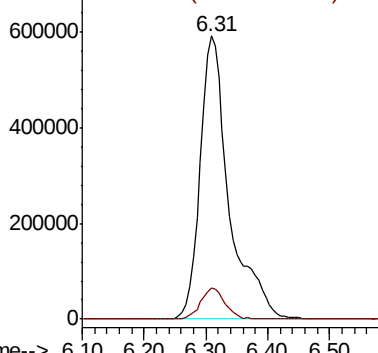
43 100

86 10.9 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 52.082 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

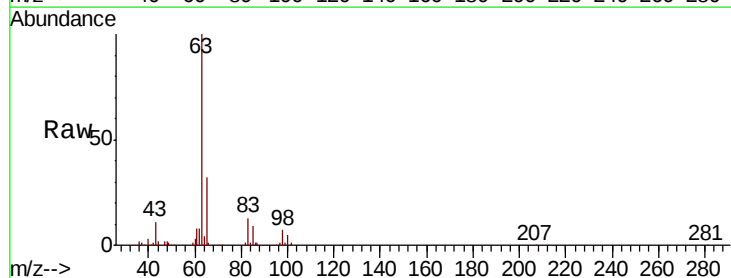
Tgt Ion: 63 Resp: 408685

Ion Ratio Lower Upper

63 100

98 7.4 4.2 12.6

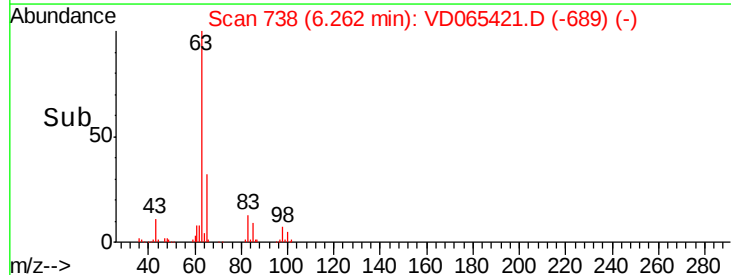
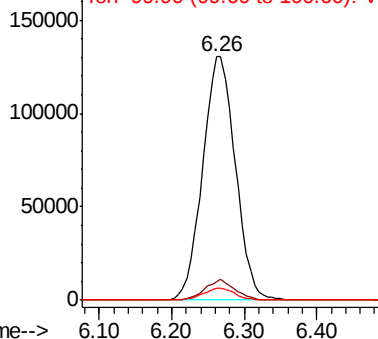
100 4.8 2.4 7.2

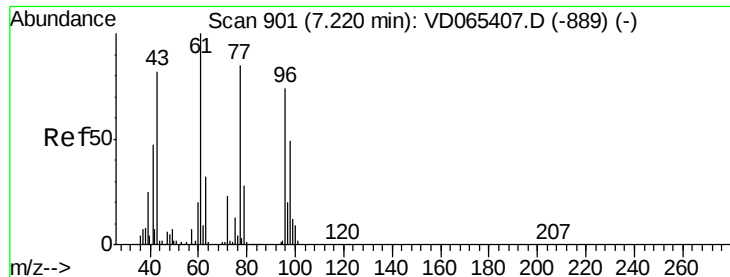


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 258.726 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

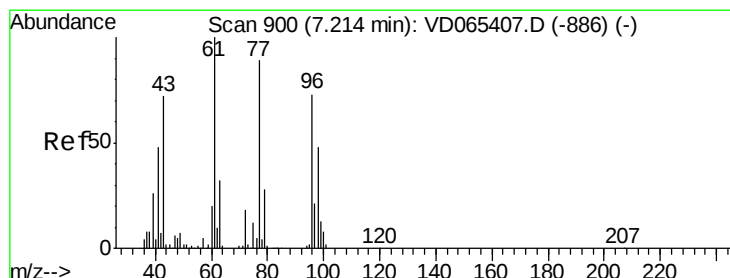
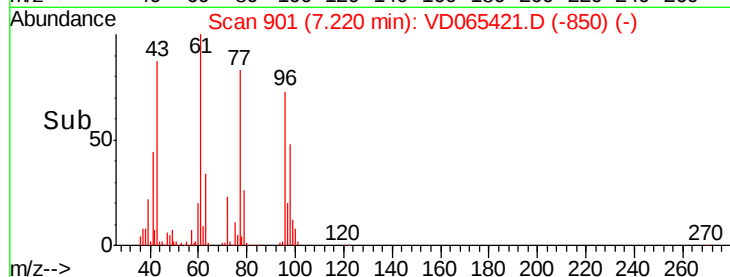
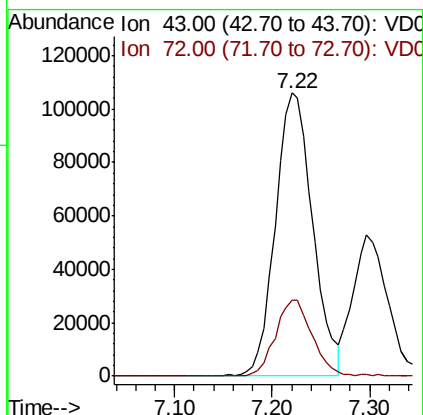
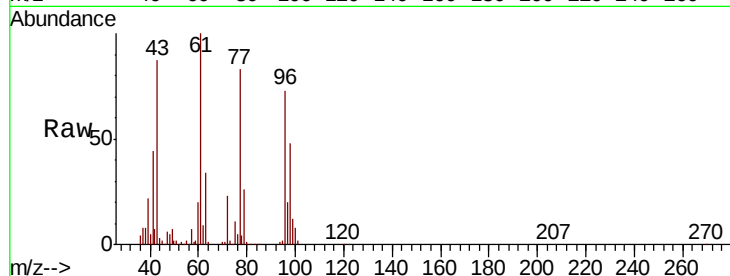
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 282149

Ion Ratio Lower Upper

43 100

72 26.9 22.3 33.5



#26

2,2-Dichloropropane

Concen: 48.984 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065421.D

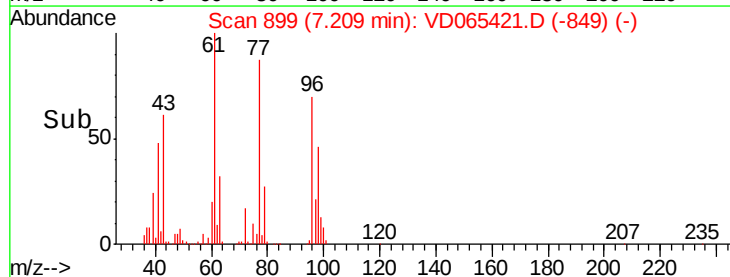
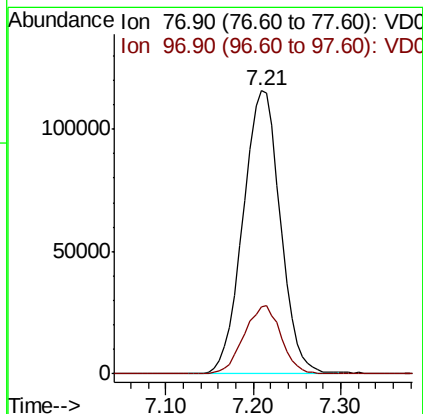
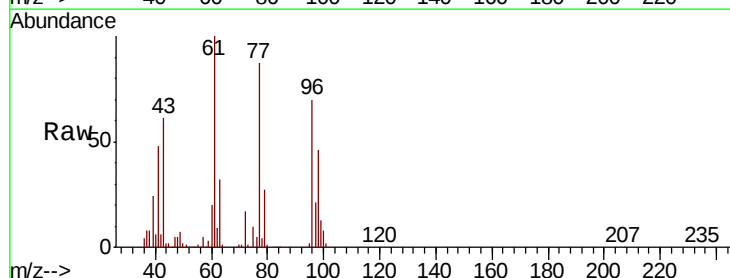
Acq: 04 Mar 2020 20:06

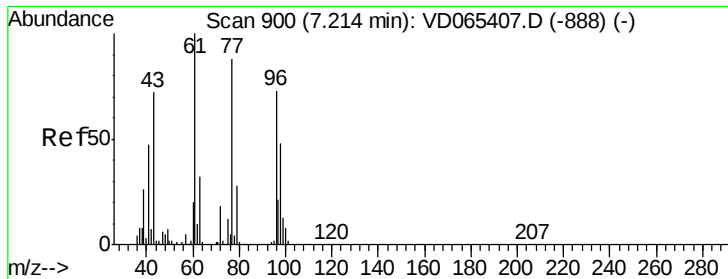
Tgt Ion: 77 Resp: 335897

Ion Ratio Lower Upper

77 100

97 23.8 11.8 35.4



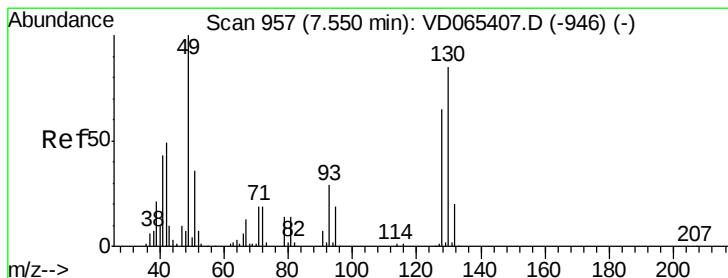
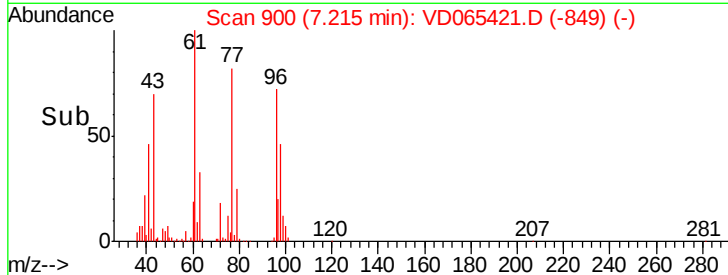
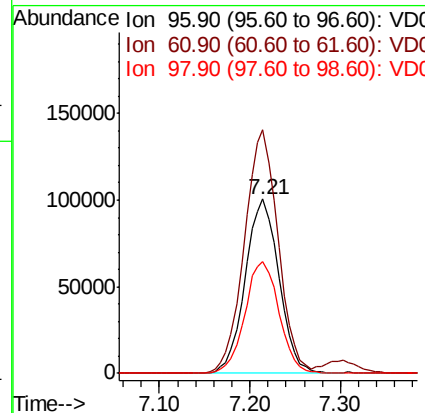
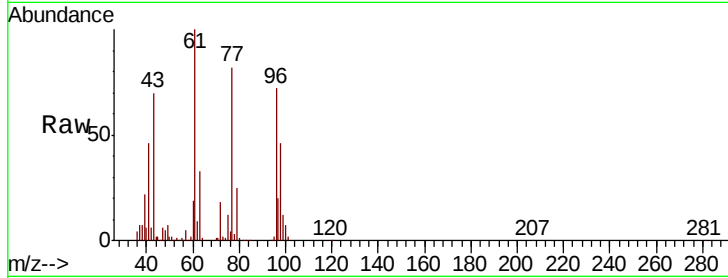


#27

cis-1,2-Dichloroethene
 Concen: 53.588 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065421.D
 Acq: 04 Mar 2020 20:06

Instrument :
 MSVOA_D
 ClientSampleId :

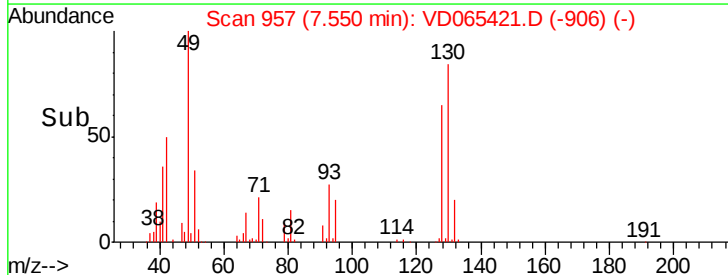
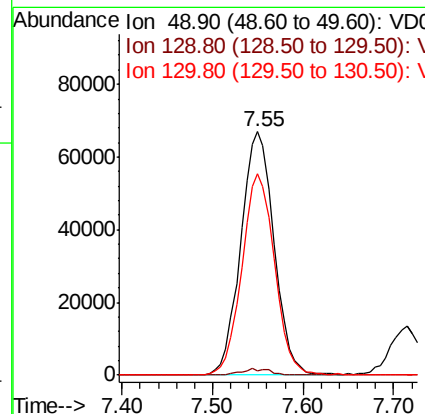
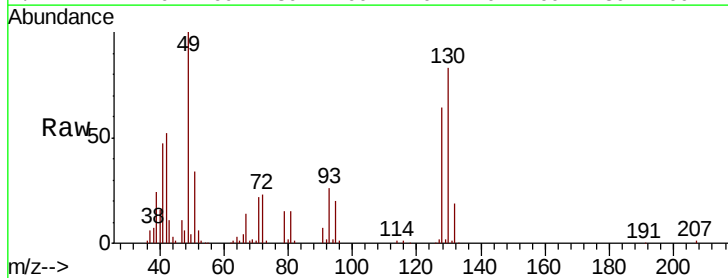
Tot Ion: 96 Resp: 261032
 Ion Ratio Lower Upper
 96 100
 61 138.8 0.0 280.4
 98 64.5 0.0 132.6

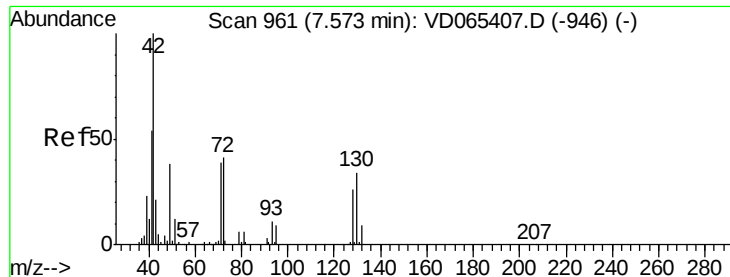


#28

Bromochloromethane
 Concen: 54.472 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065421.D
 Acq: 04 Mar 2020 20:06

Tgt Ion: 49 Resp: 171012
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 4.6
 130 80.9 66.6 100.0





#29

Tetrahydrofuran

Concen: 278.056 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Instrument :
MSVOA_D
ClientSampled :

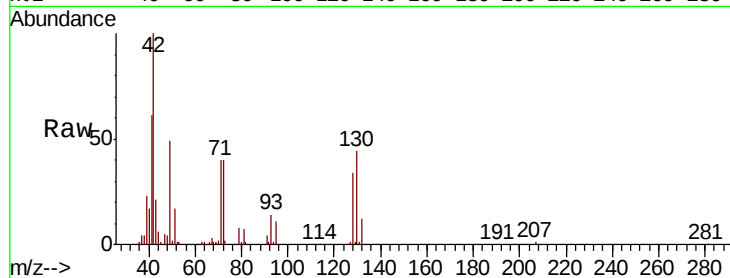
Tot Ion: 42 Resp: 193645

Ion Ratio Lower Upper

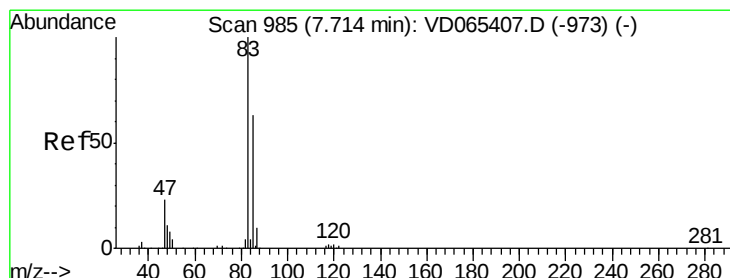
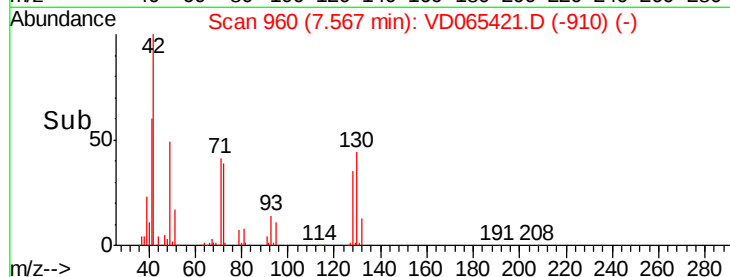
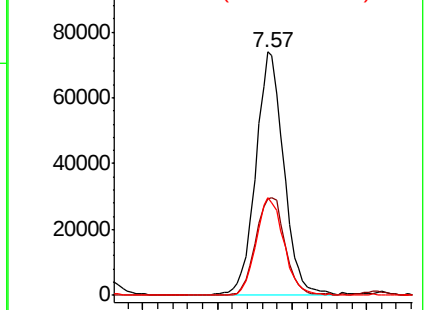
42 100

72 41.9 33.0 49.6

71 39.8 32.0 48.0



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



#30

Chloroform

Concen: 52.791 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD065421.D

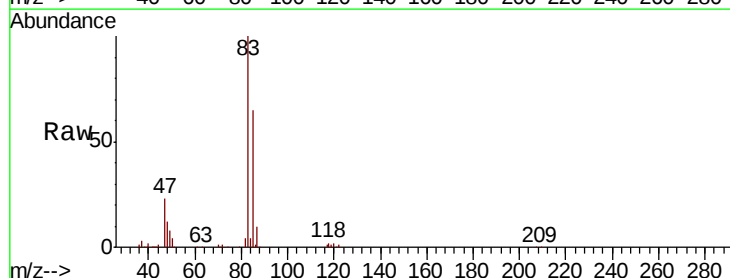
Acq: 04 Mar 2020 20:06

Tgt Ion: 83 Resp: 414044

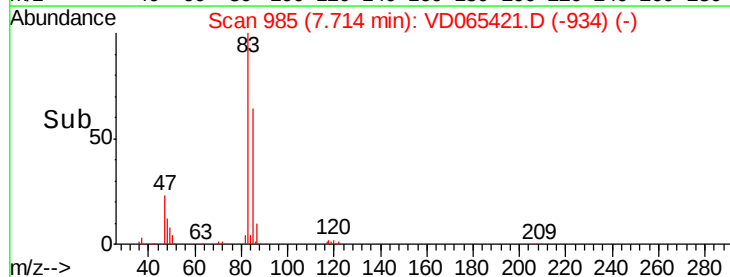
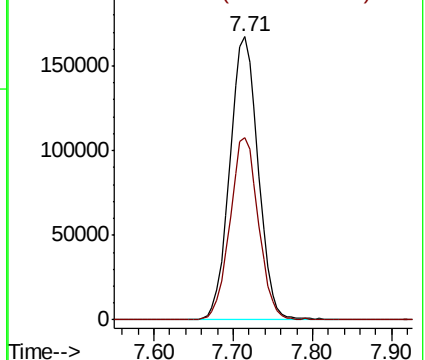
Ion Ratio Lower Upper

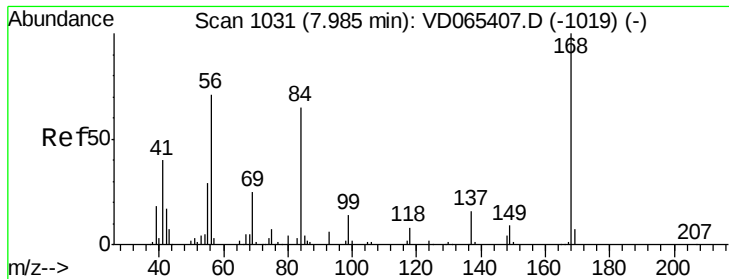
83 100

85 64.5 50.3 75.5



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

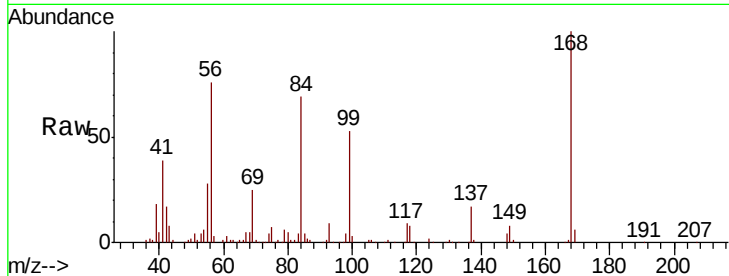




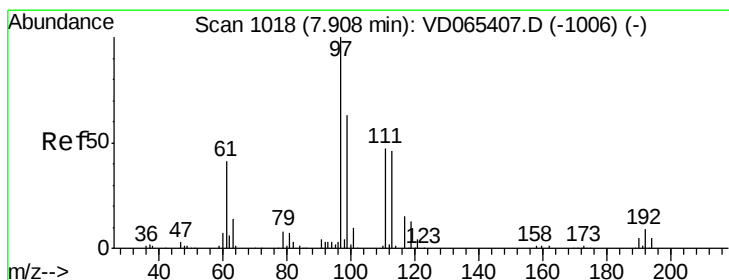
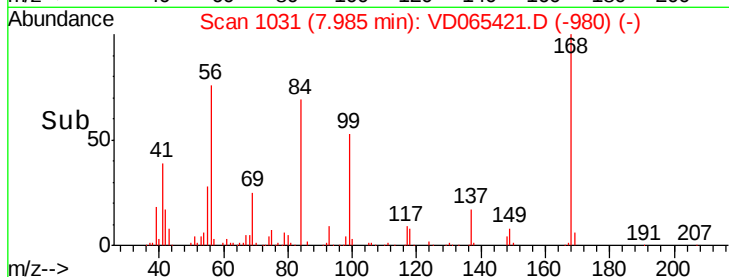
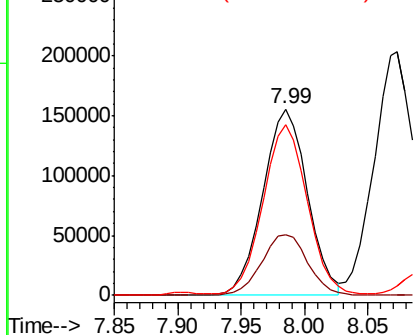
#31
Cyclohexane
Concen: 48.621 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 381498
Ion Ratio Lower Upper
56 100
69 32.8 28.3 42.5
84 89.8 73.1 109.7

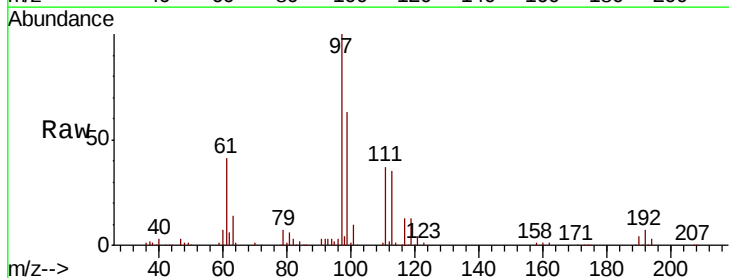


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

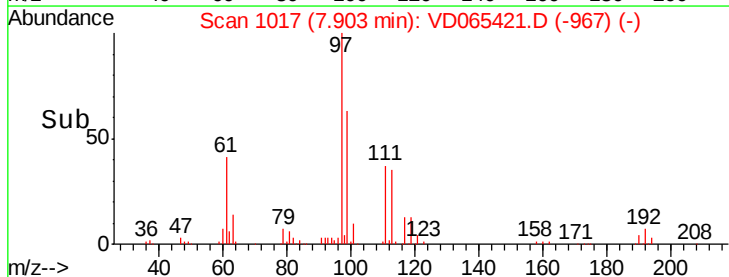
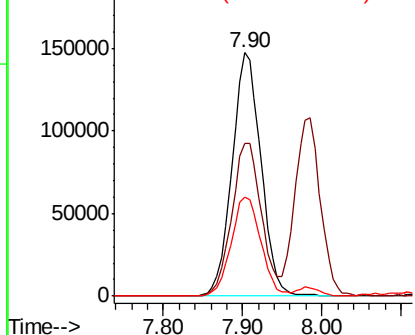


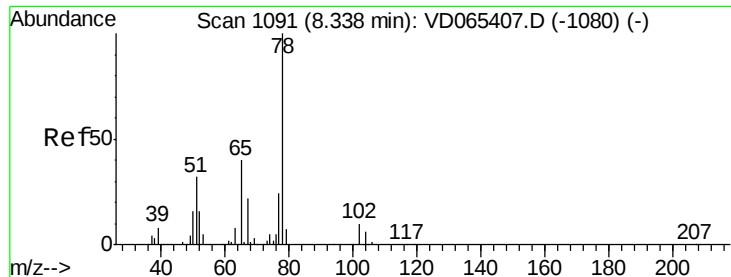
#32
1,1,1-Trichloroethane
Concen: 51.270 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Tgt Ion: 97 Resp: 371601
Ion Ratio Lower Upper
97 100
99 64.0 50.9 76.3
61 42.1 33.2 49.8



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

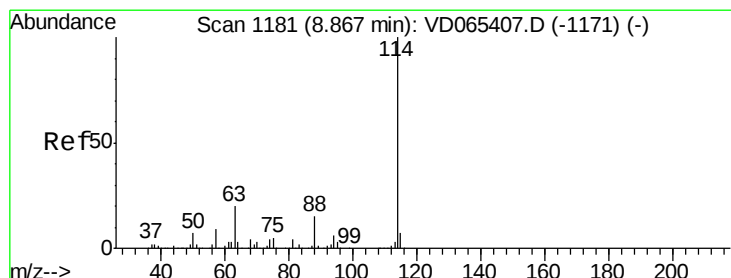
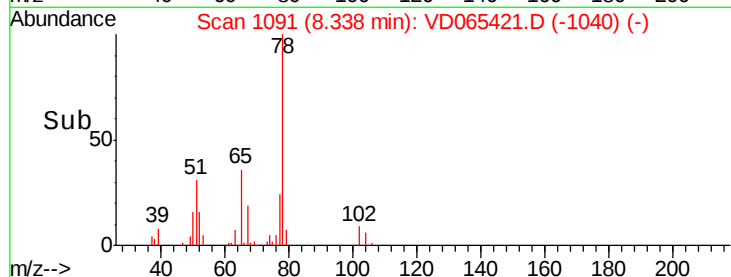
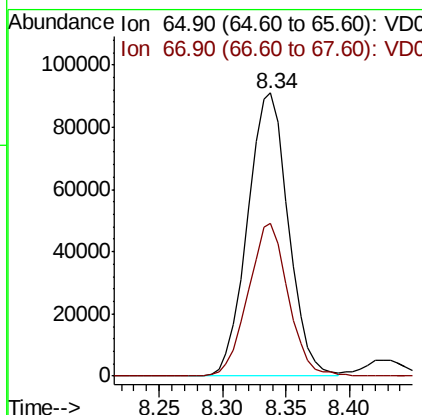
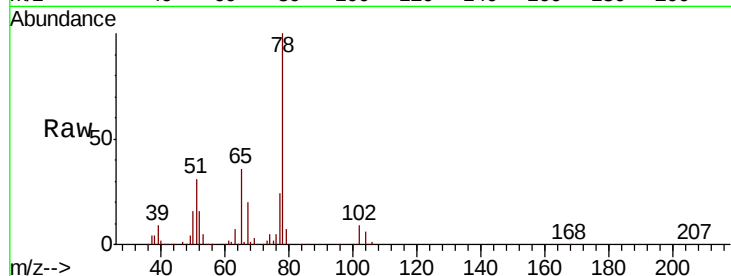




#33
 1,2-Dichloroethane-d4
 Concen: 51.557 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065421.D
 Acq: 04 Mar 2020 20:06

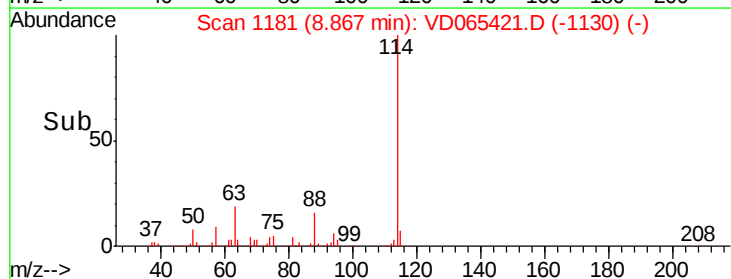
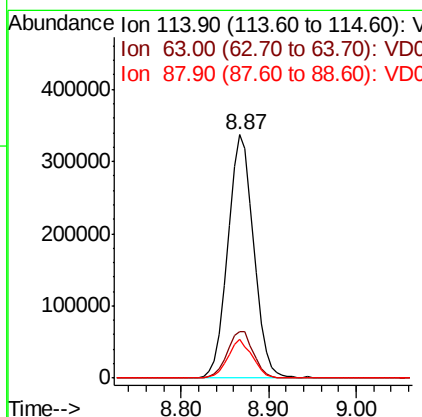
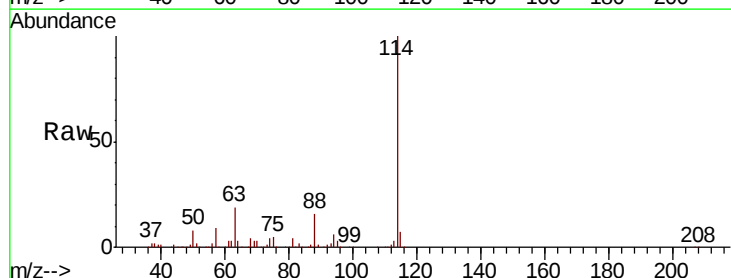
Instrument :
 MSVOA_D
 ClientSampled :

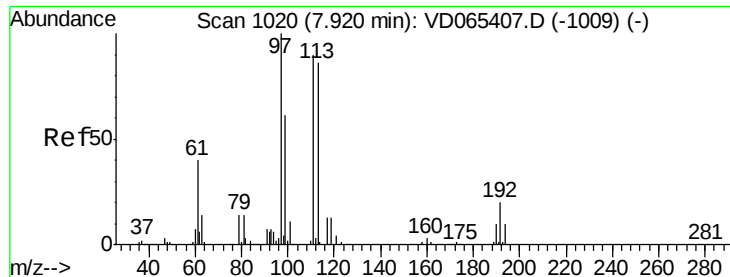
Tot Ion: 65 Resp: 203720
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 108.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065421.D
 Acq: 04 Mar 2020 20:06

Tgt Ion: 114 Resp: 677905
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.6
 88 15.8 0.0 30.4

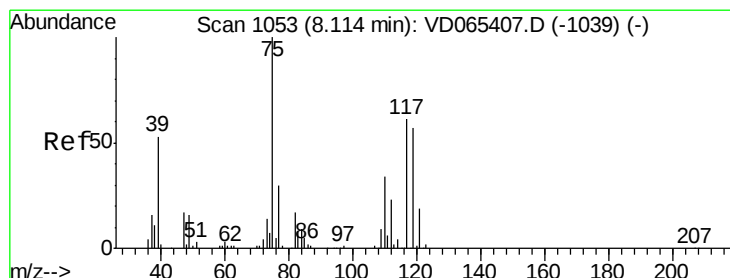
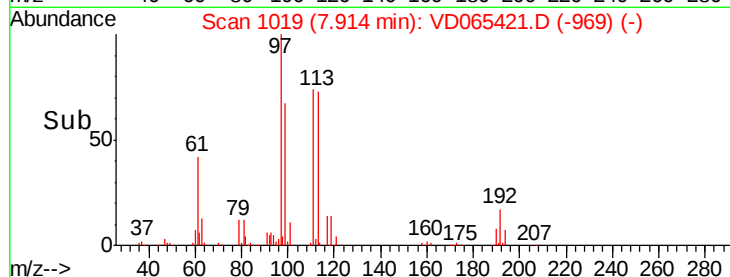
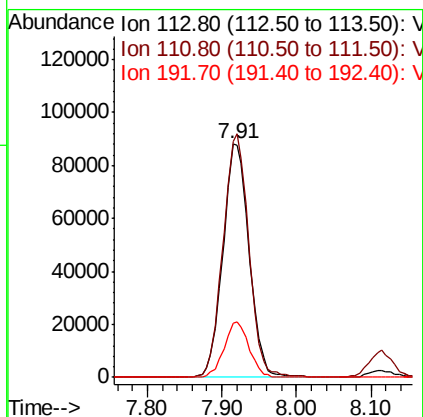
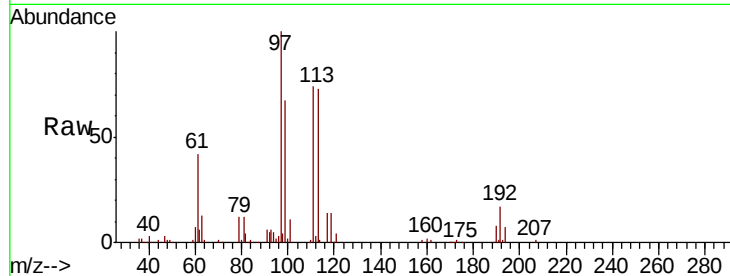




#35
Dibromofluoromethane
Concen: 51.411 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

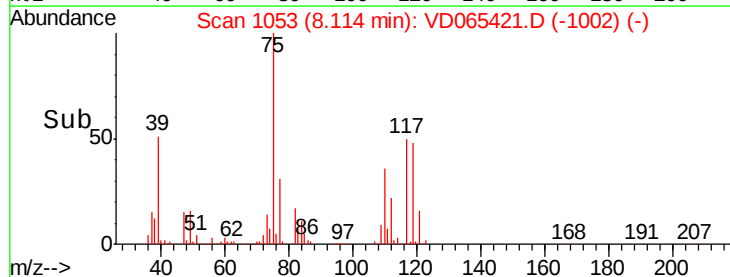
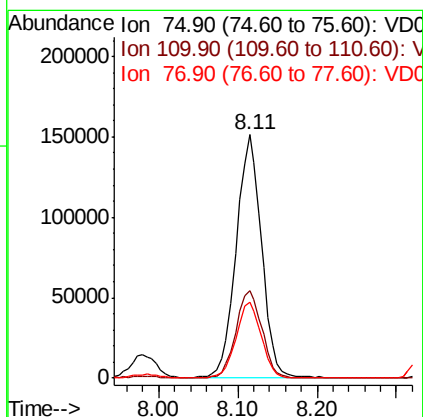
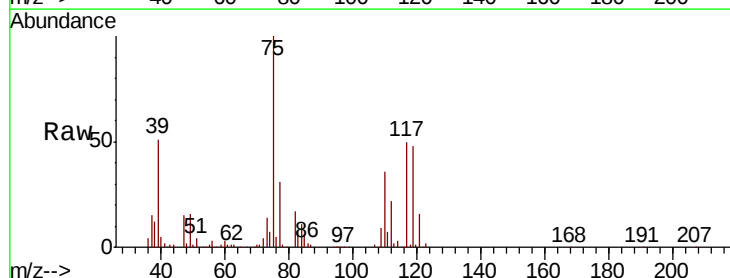
Instrument :
MSVOA_D
ClientSampleId :

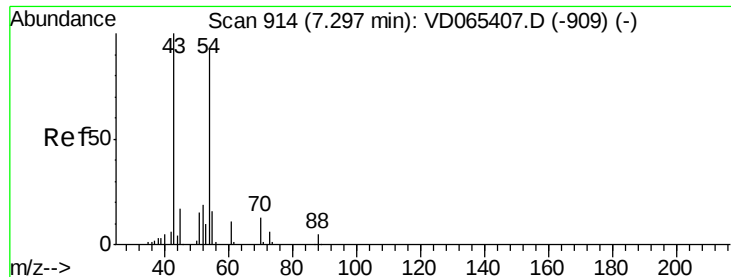
Tot Ion:113 Resp: 215525
Ion Ratio Lower Upper
113 100
111 102.8 82.1 123.1
192 22.7 17.2 25.8



#36
1,1-Dichloropropene
Concen: 51.549 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Tgt Ion: 75 Resp: 334975
Ion Ratio Lower Upper
75 100
110 36.7 18.1 54.1
77 31.2 25.2 37.8

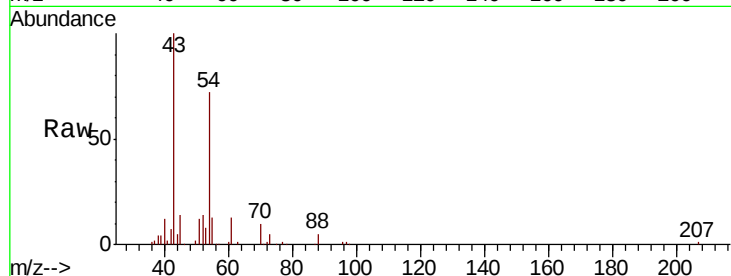




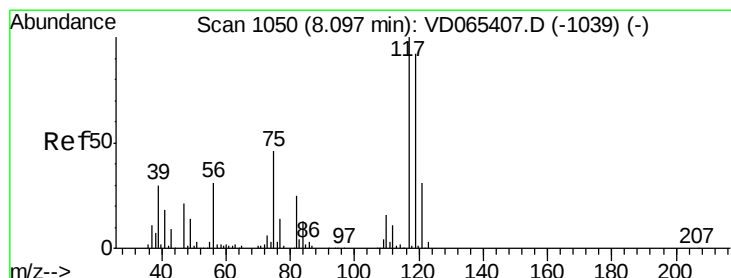
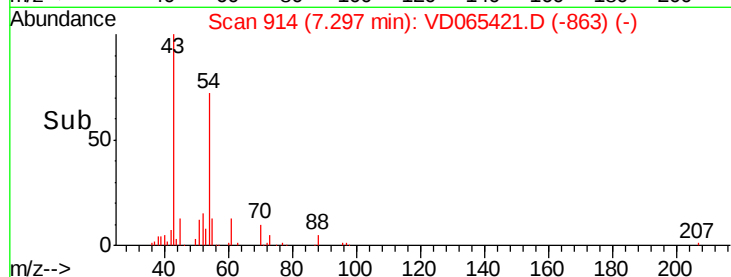
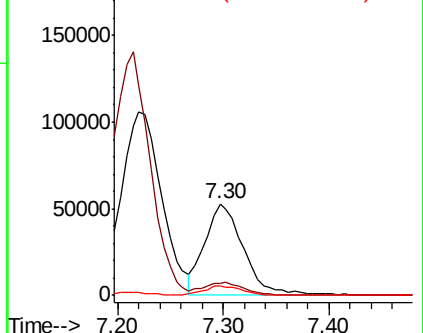
#37
Ethyl Acetate
Concen: 52.282 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 131312
Ion Ratio Lower Upper
43 100
61 15.2 11.4 17.0
70 10.5 9.0 13.4

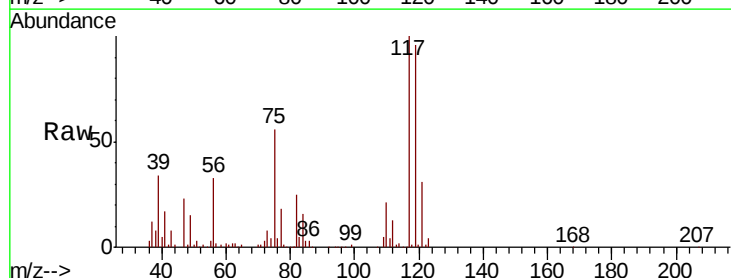


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

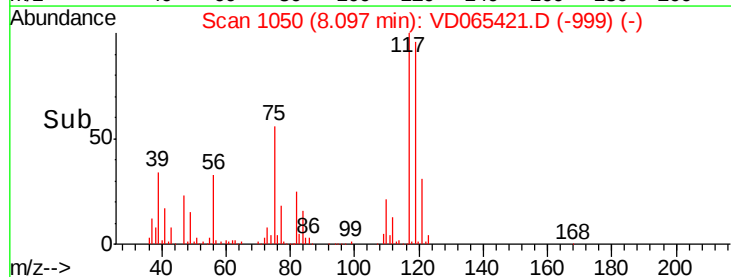
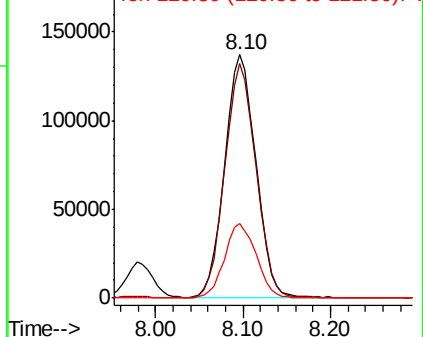


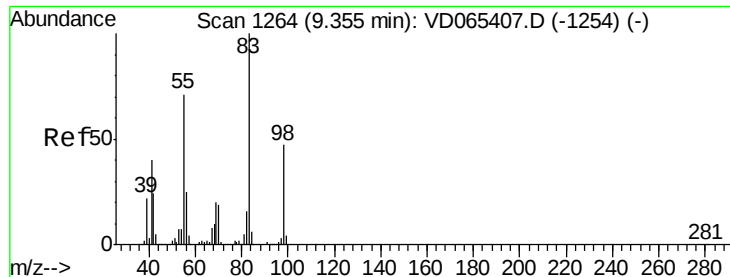
#38
Carbon Tetrachloride
Concen: 49.555 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Tgt Ion: 117 Resp: 333923
Ion Ratio Lower Upper
117 100
119 96.3 73.3 109.9
121 30.6 25.0 37.4



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

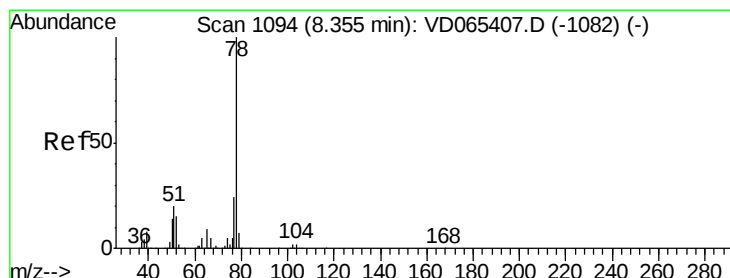
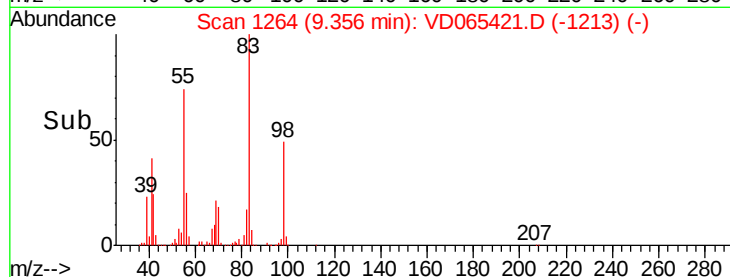
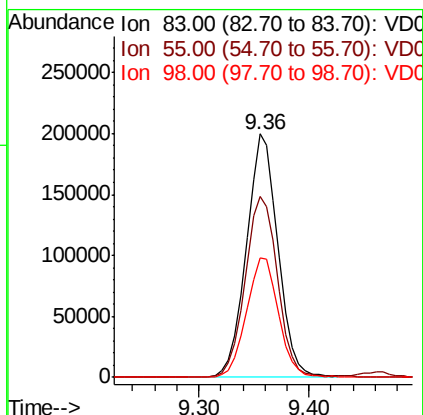
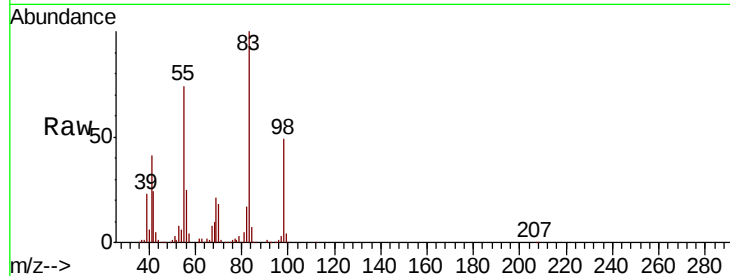




#39
Methvlcvclohexane
Concen: 50.966 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

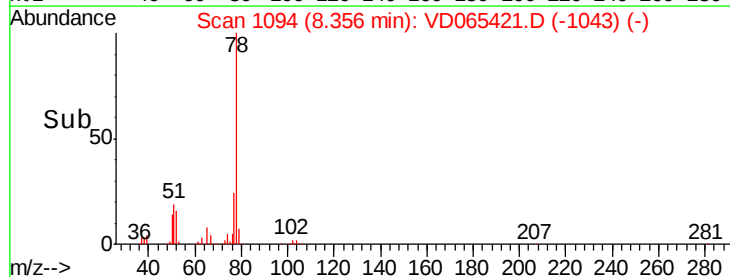
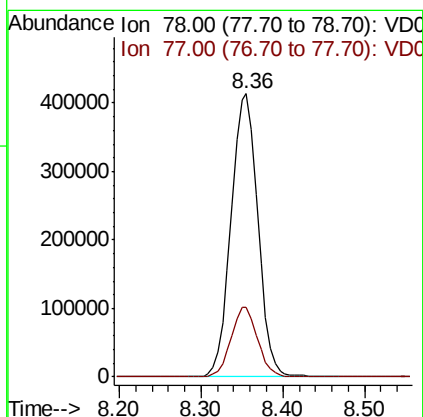
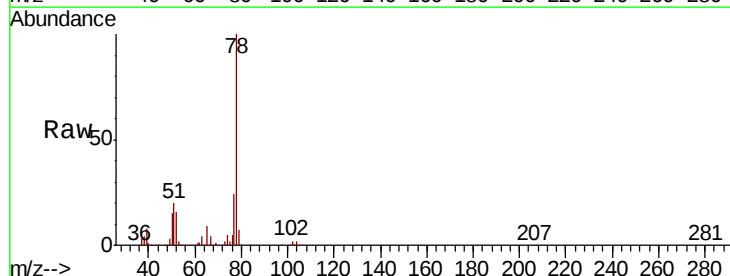
Instrument :
MSVOA_D
ClientSampled :

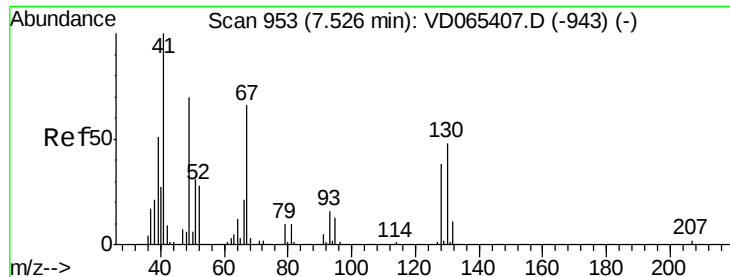
Tot Ion: 83 Resp: 400003
Ion Ratio Lower Upper
83 100
55 74.4 57.1 85.7
98 49.3 37.8 56.8



#40
Benzene
Concen: 52.057 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Tgt Ion: 78 Resp: 945793
Ion Ratio Lower Upper
78 100
77 24.4 19.4 29.0

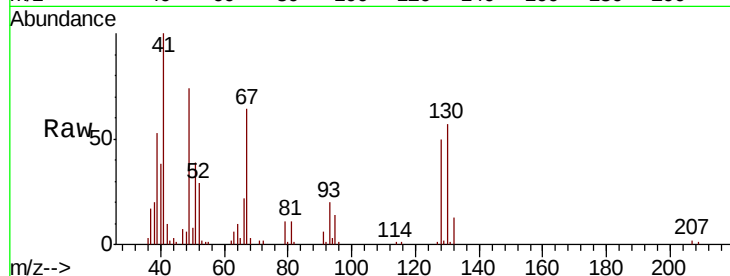




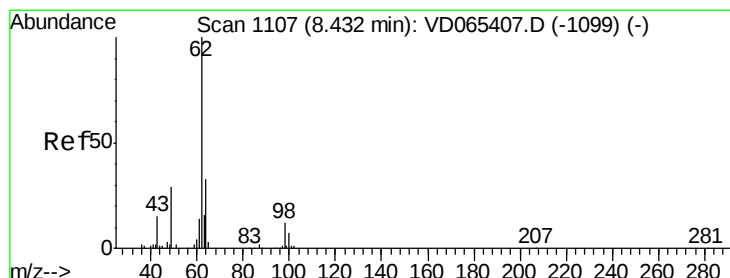
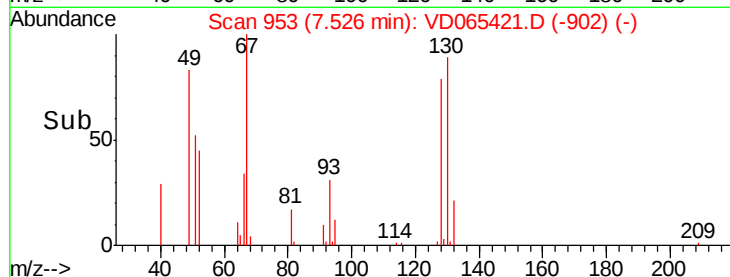
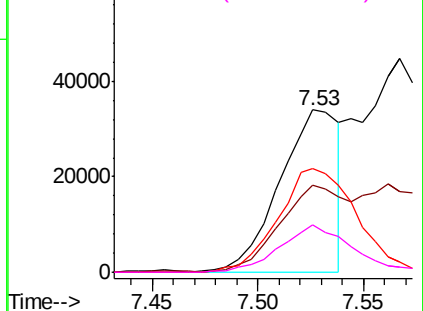
#41
Methacrylonitrile
Concen: 50.299 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	41	Resp:	66811
Ion	Ratio	Lower	Upper
41	100		
39	60.4	55.0	82.6
67	84.1	70.3	105.5
52	35.6	30.7	46.1

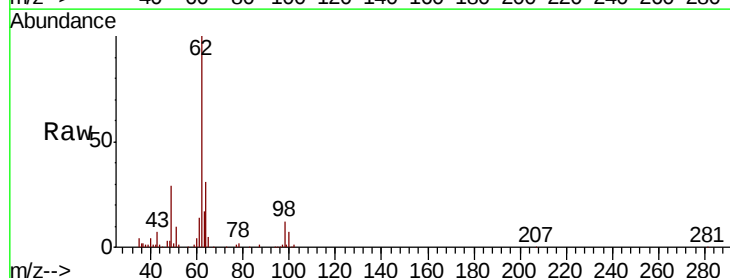


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

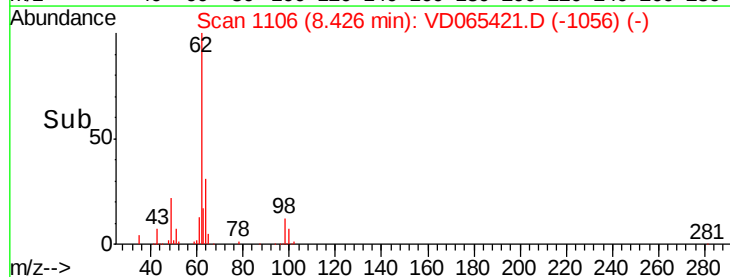
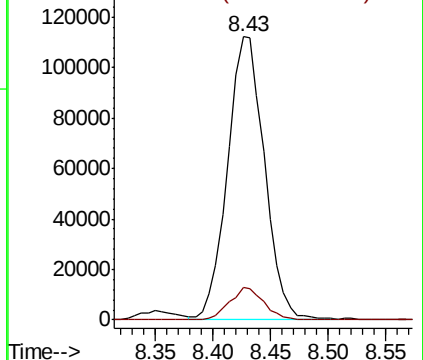


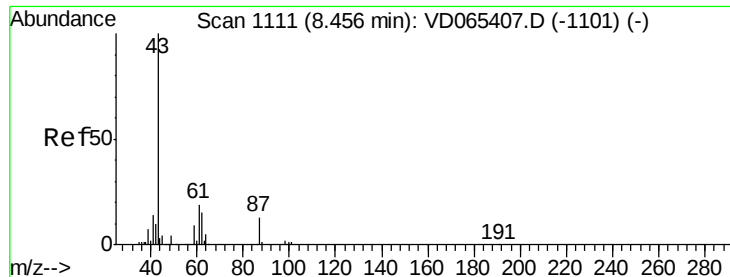
#42
1,2-Dichloroethane
Concen: 52.260 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Tgt Ion:	62	Resp:	247938
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	21.4



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





#43

Isopropyl Acetate

Concen: 53.321 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Instrument :

MSVOA_D

ClientSampleId :

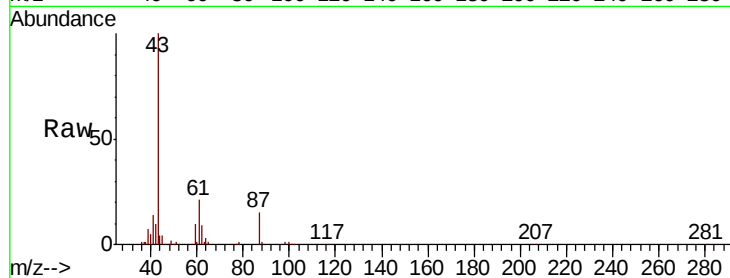
Tot Ion: 43 Resp: 247283

Ion Ratio Lower Upper

43 100

61 32.1 25.0 37.6

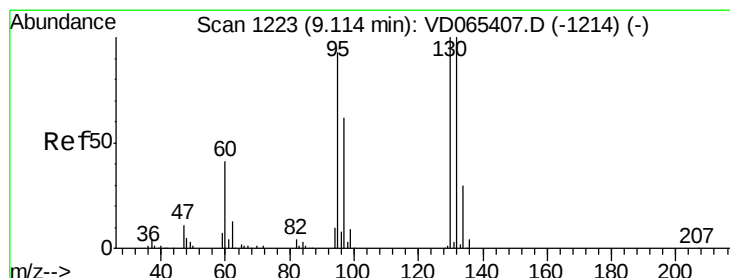
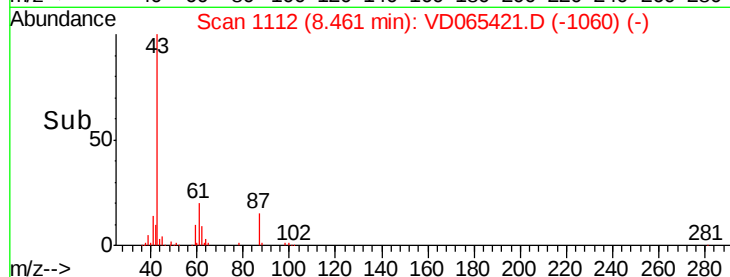
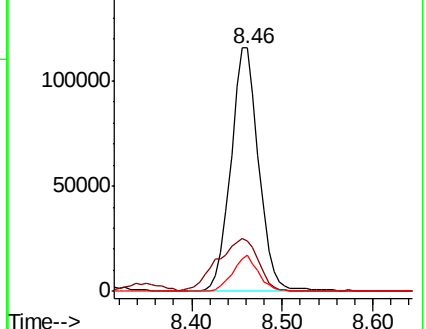
87 13.7 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 51.105 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065421.D

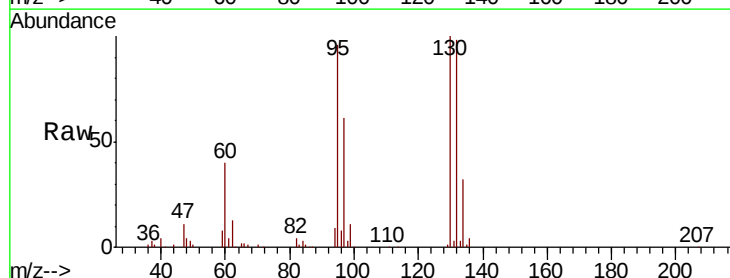
Acq: 04 Mar 2020 20:06

Tgt Ion:130 Resp: 262215

Ion Ratio Lower Upper

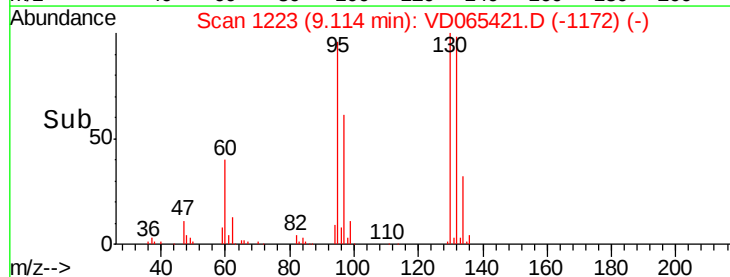
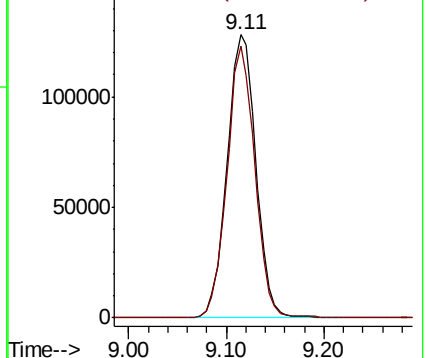
130 100

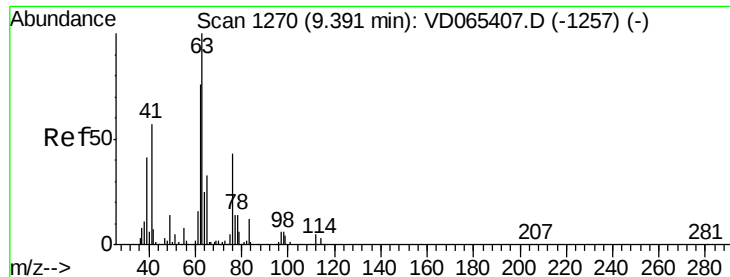
95 96.0 0.0 186.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 52.295 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Instrument :

MSVOA_D

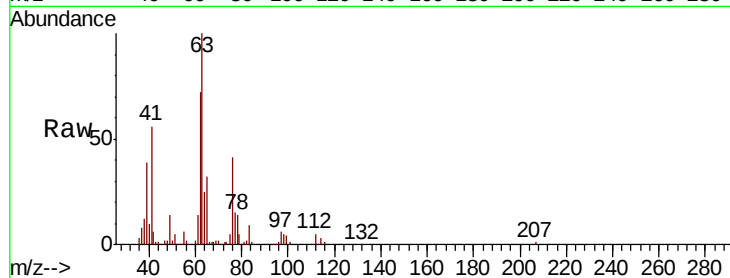
ClientSampleId :

Tot Ion: 63 Resp: 230150

Ion Ratio Lower Upper

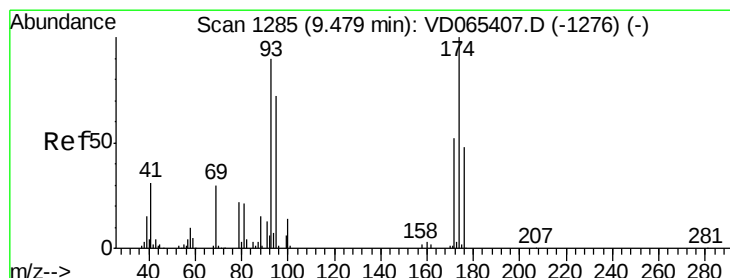
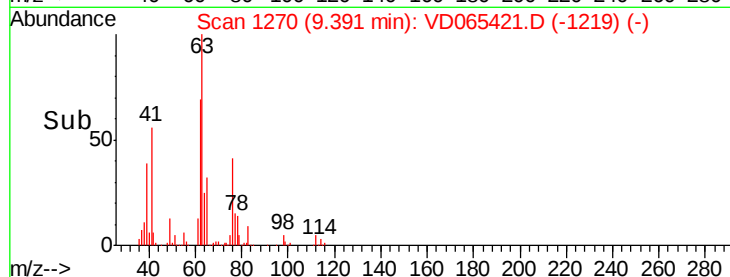
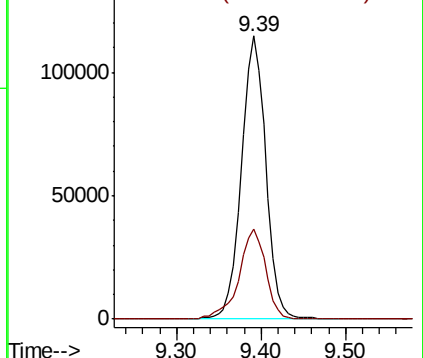
63 100

65 31.9 26.4 39.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 52.544 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

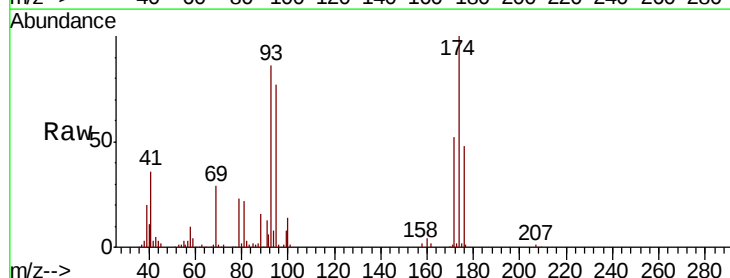
Tgt Ion: 93 Resp: 119949

Ion Ratio Lower Upper

93 100

95 85.8 65.0 97.6

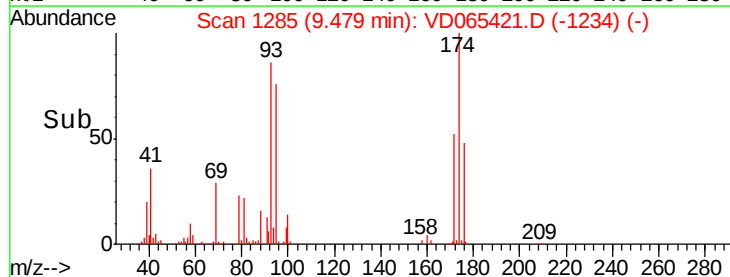
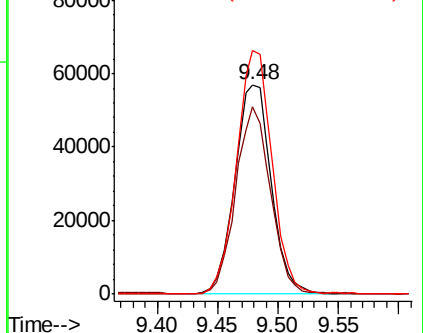
174 113.3 88.3 132.5

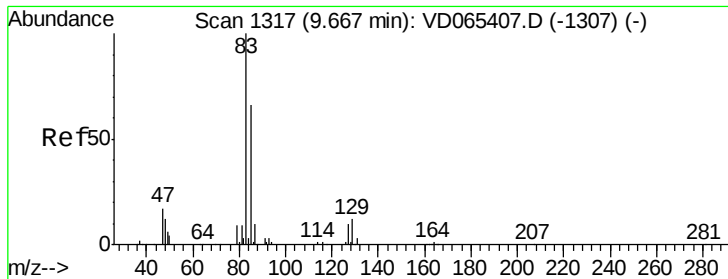


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.835 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Instrument :

MSVOA_D

ClientSampleId :

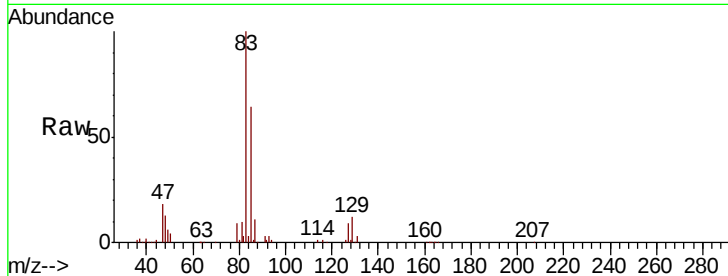
Tot Ion: 83 Resp: 313782

Ion Ratio Lower Upper

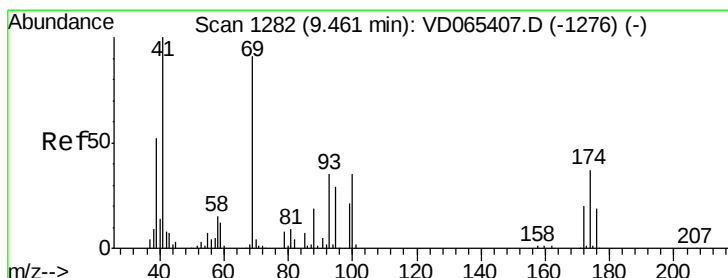
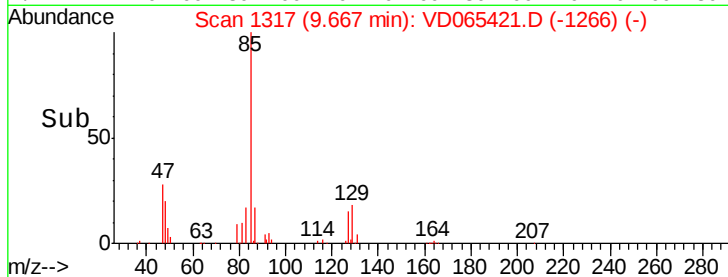
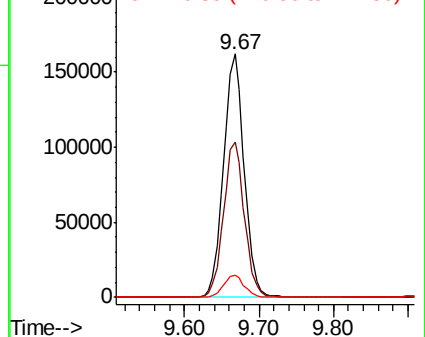
83 100

85 63.7 52.8 79.2

127 9.3 8.0 12.0



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: 54.289 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

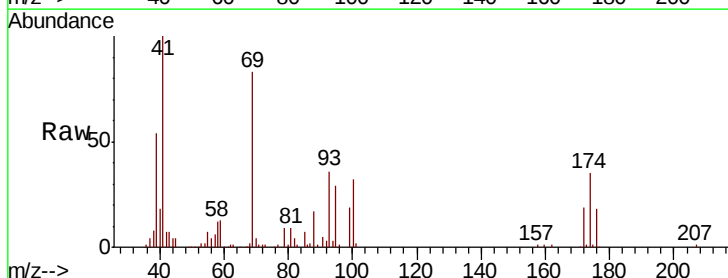
Tgt Ion: 41 Resp: 118429

Ion Ratio Lower Upper

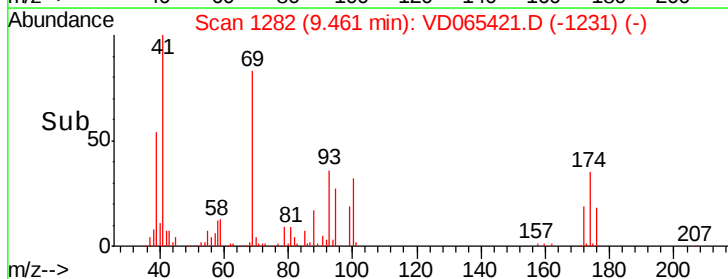
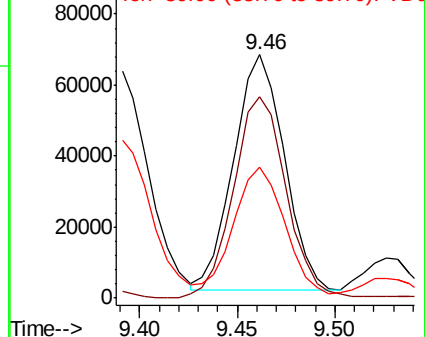
41 100

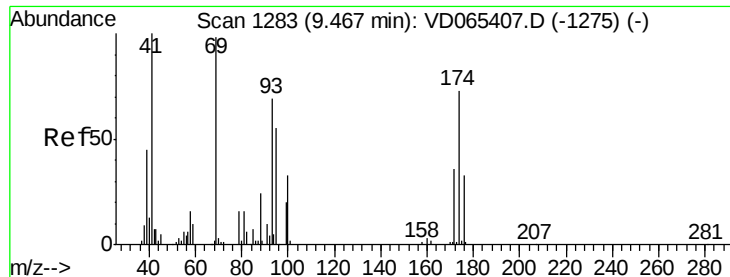
69 89.9 72.5 108.7

39 53.8 41.6 62.4



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

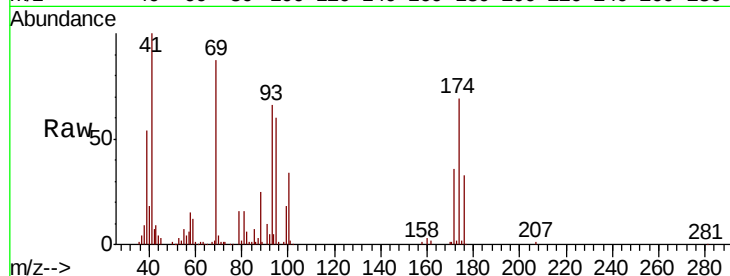




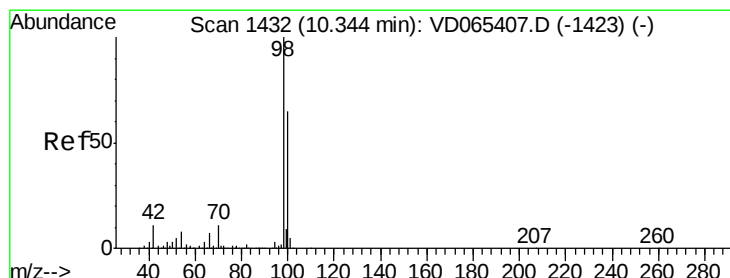
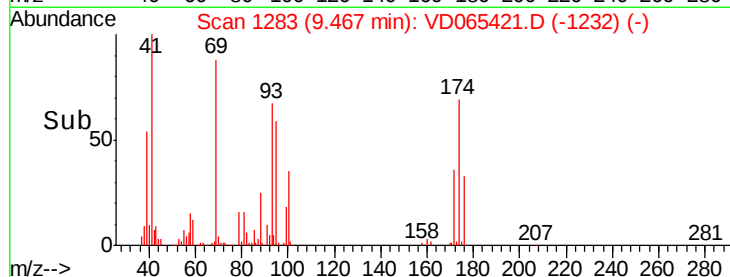
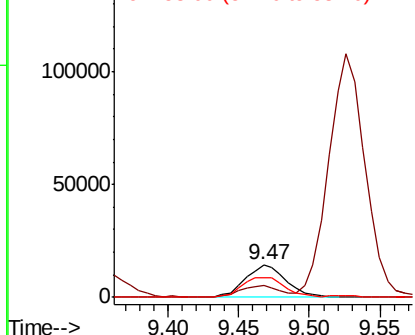
#49
1,4-Dioxane
Concen: 1119.933 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 29244
Ion Ratio Lower Upper
88 100
43 36.4 24.5 36.7
58 65.1 54.5 81.7

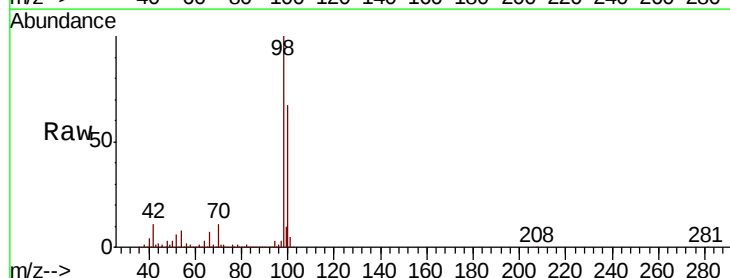


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

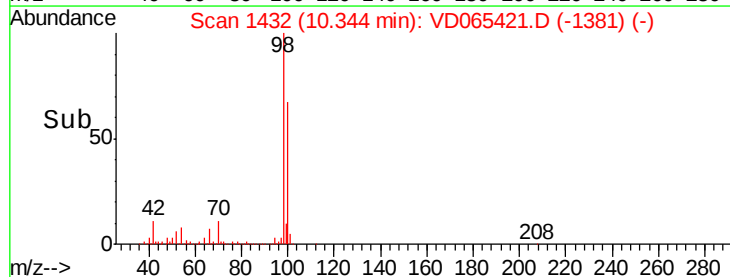
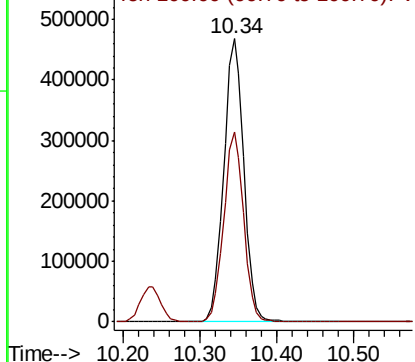


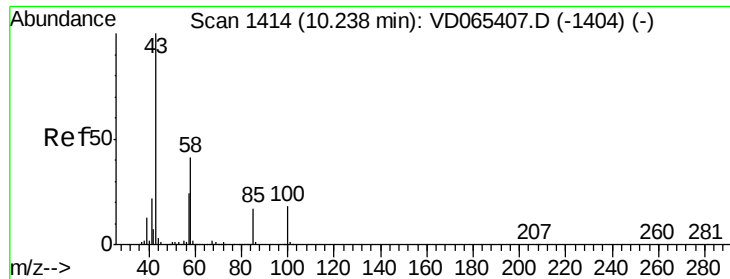
#50
Toluene-d8
Concen: 52.873 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Tgt Ion: 98 Resp: 850356
Ion Ratio Lower Upper
98 100
100 66.4 52.8 79.2



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

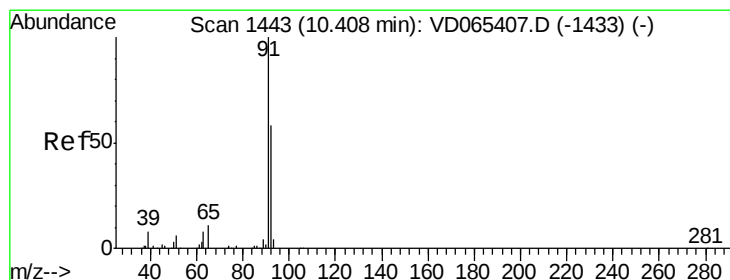
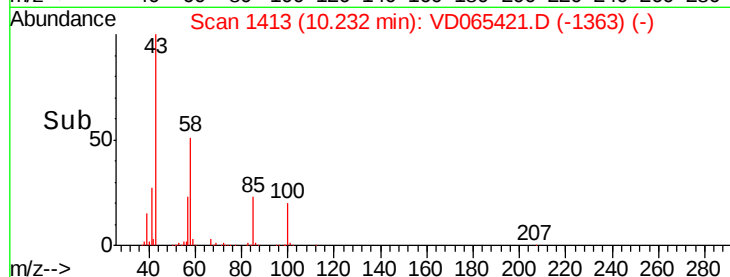
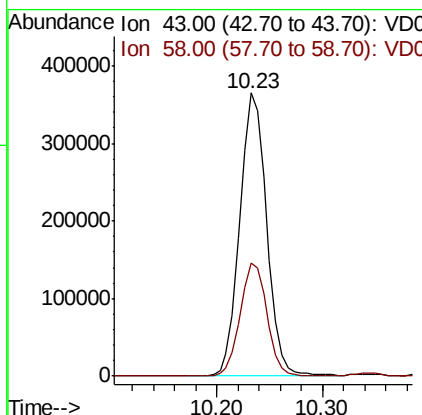
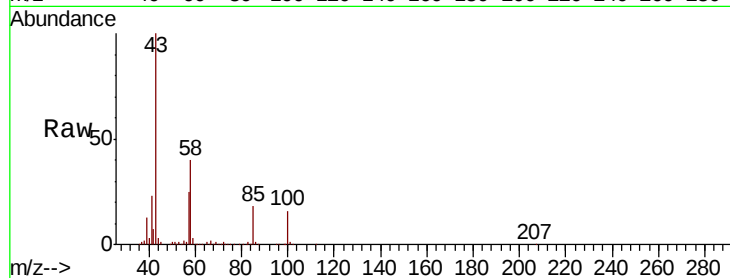




#51
 4-Methyl-2-Pentanone
 Concen: 276.728 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: VD065421.D
 Acq: 04 Mar 2020 20:06

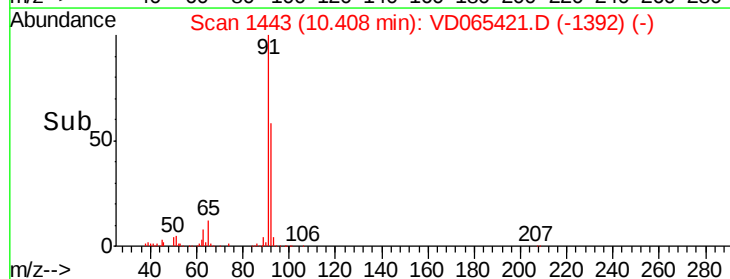
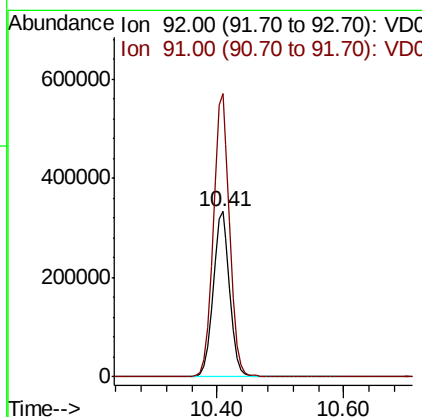
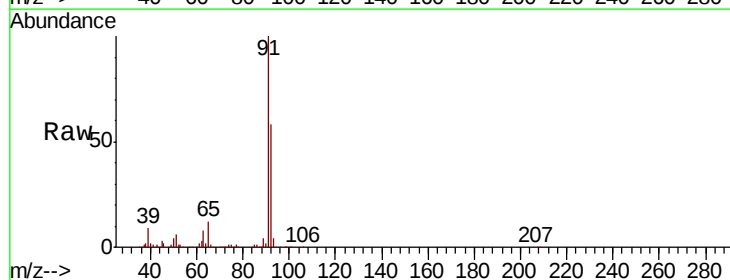
Instrument :
 MSVOA_D
 ClientSampleId :

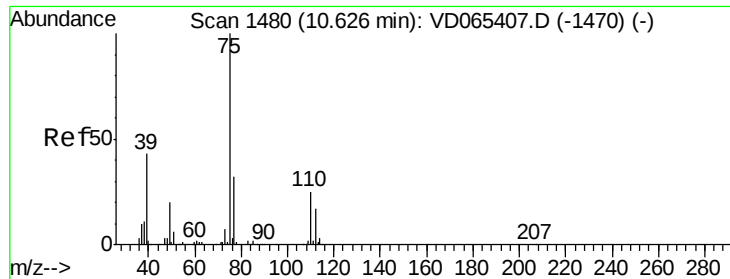
Tot Ion: 43 Resp: 645808
 Ion Ratio Lower Upper
 43 100
 58 39.9 31.8 47.6



#52
 Toluene
 Concen: 53.382 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD065421.D
 Acq: 04 Mar 2020 20:06

Tgt Ion: 92 Resp: 610991
 Ion Ratio Lower Upper
 92 100
 91 169.6 137.8 206.8





#53

t-1,3-Dichloropropene

Concen: 53.879 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Instrument :

MSVOA_D

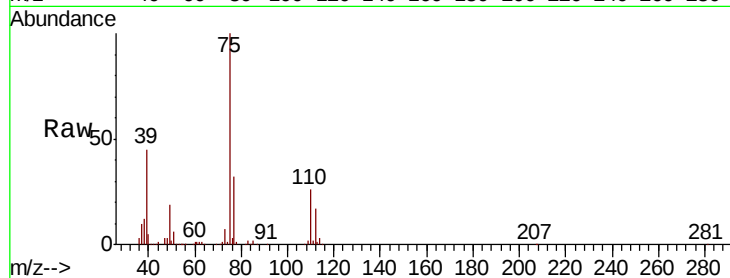
ClientSampleId :

Tot Ion: 75 Resp: 299026

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

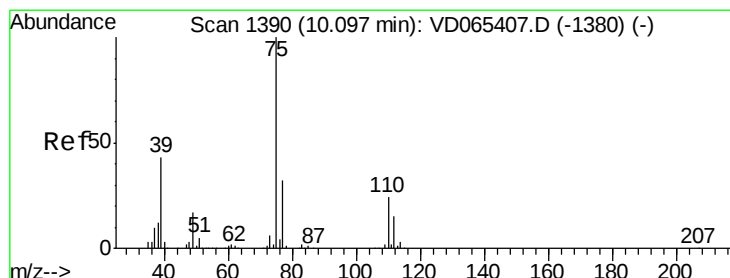
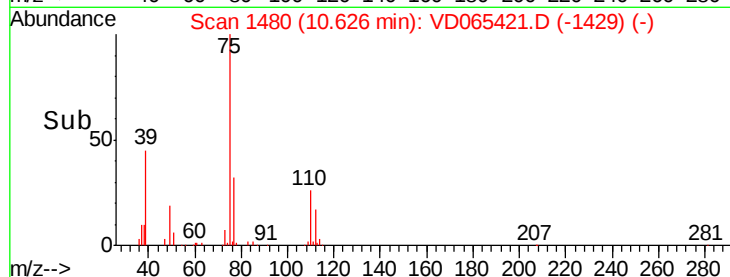
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 54.018 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

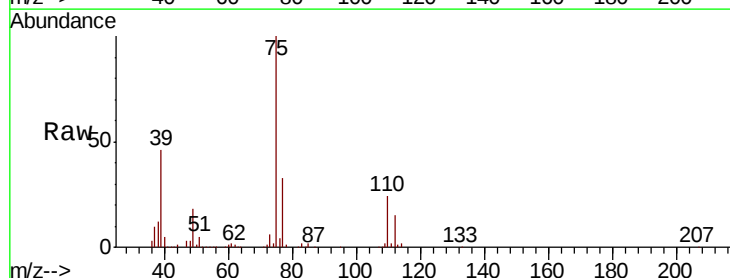
Tgt Ion: 75 Resp: 362883

Ion Ratio Lower Upper

75 100

77 33.1 25.3 37.9

39 46.2 34.6 52.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

10.09

250000

200000

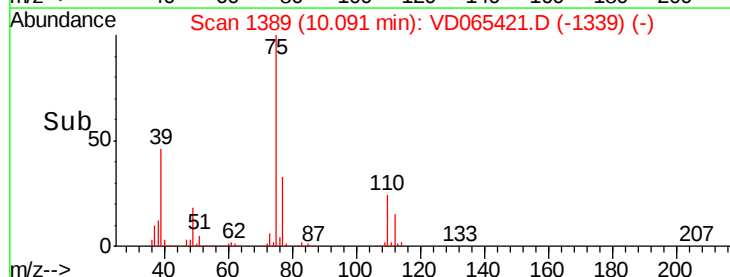
150000

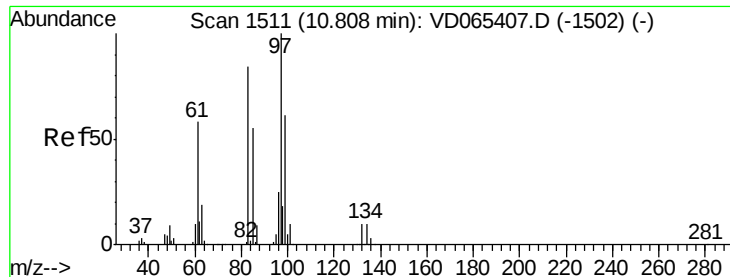
100000

50000

0

Time-->

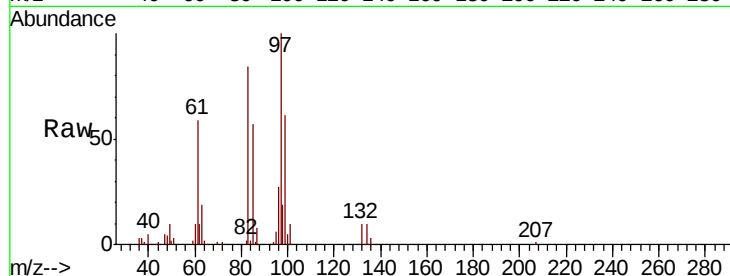




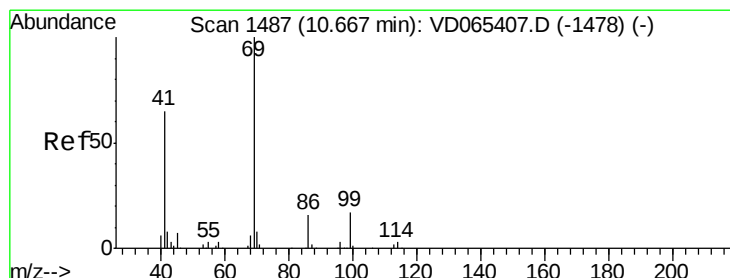
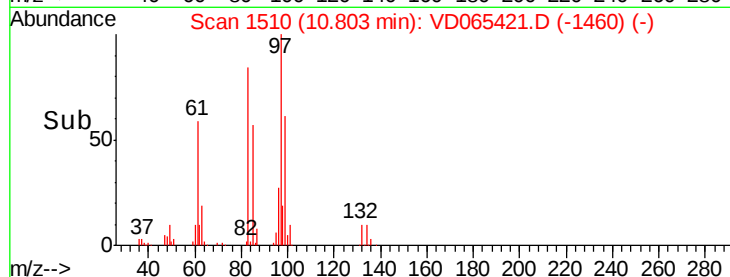
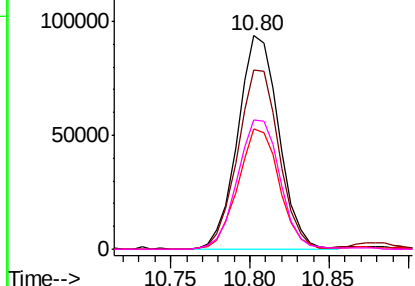
#55
 1,1,2-Trichloroethane
 Concen: 52.362 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065421.D
 Acq: 04 Mar 2020 20:06

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	169300
Ion	Ratio	Lower	Upper
97	100		
83	83.7	67.4	101.0
85	56.5	43.8	65.8
99	60.4	48.8	73.2

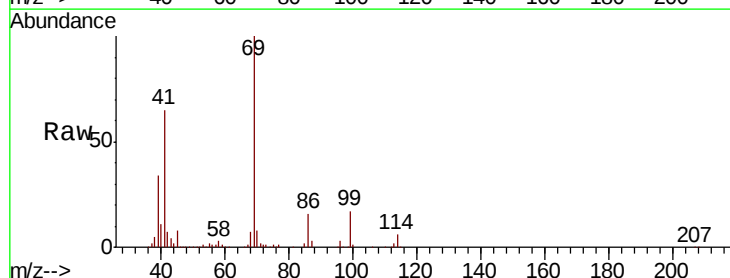


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

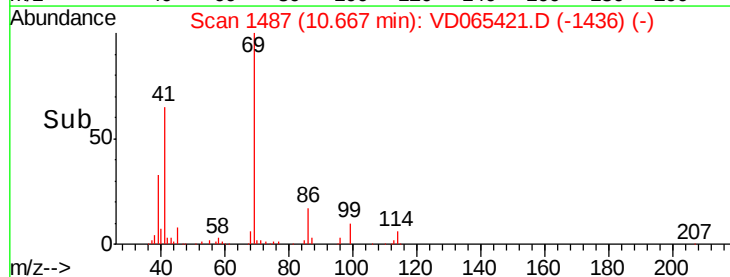
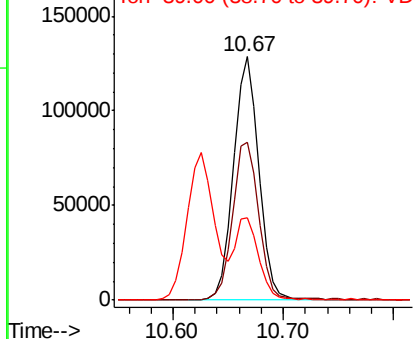


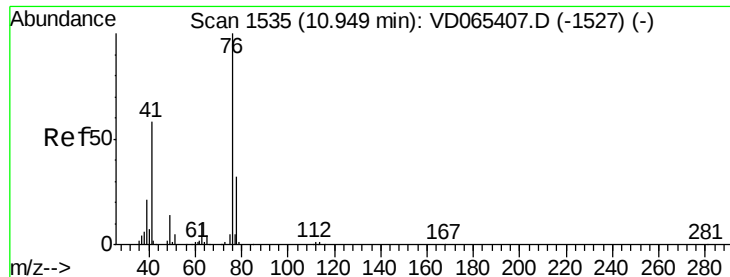
#56
 Ethyl methacrylate
 Concen: 57.005 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065421.D
 Acq: 04 Mar 2020 20:06

Tgt Ion:	69	Resp:	207785
Ion	Ratio	Lower	Upper
69	100		
41	67.8	53.0	79.6
39	31.0	26.0	39.0



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





#57

1,3-Dichloropropane

Concen: 53.009 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Instrument :

MSVOA_D

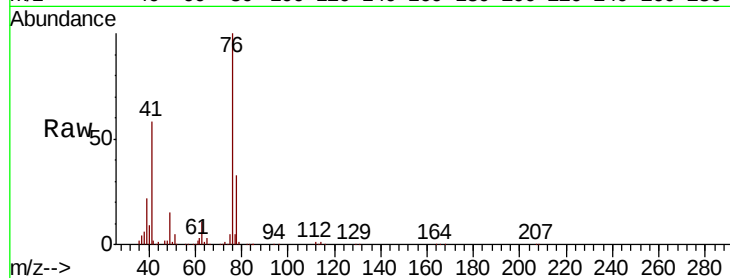
ClientSampleId :

Tot Ion: 76 Resp: 289994

Ion Ratio Lower Upper

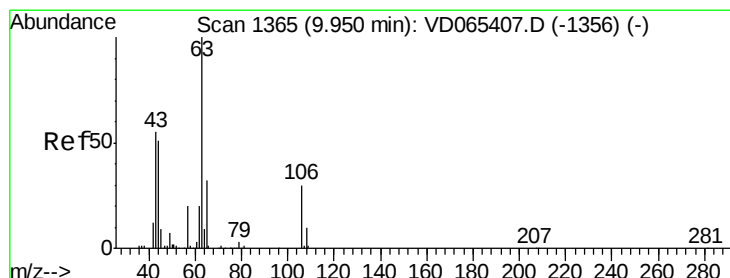
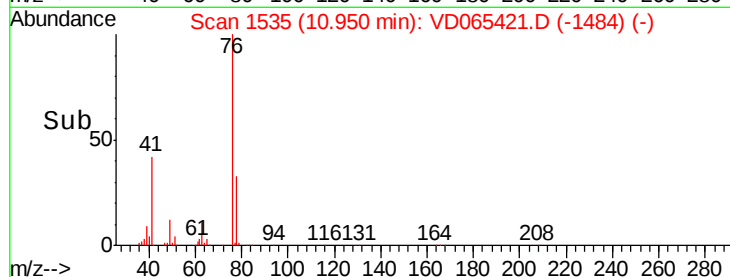
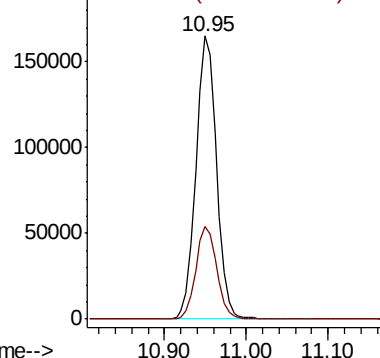
76 100

78 33.2 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 245.010 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065421.D

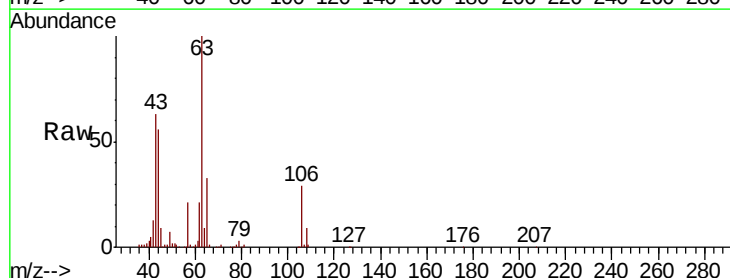
Acq: 04 Mar 2020 20:06

Tgt Ion: 63 Resp: 279071

Ion Ratio Lower Upper

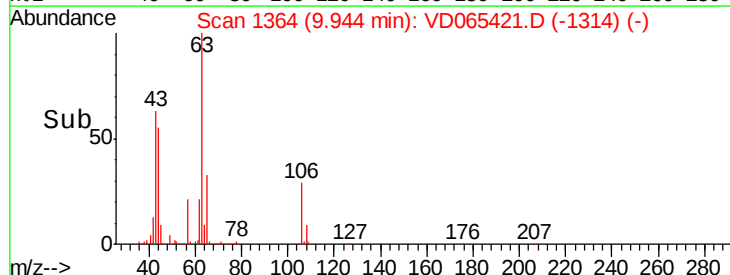
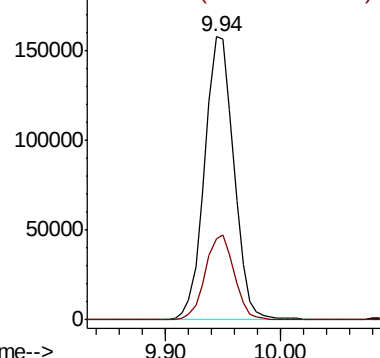
63 100

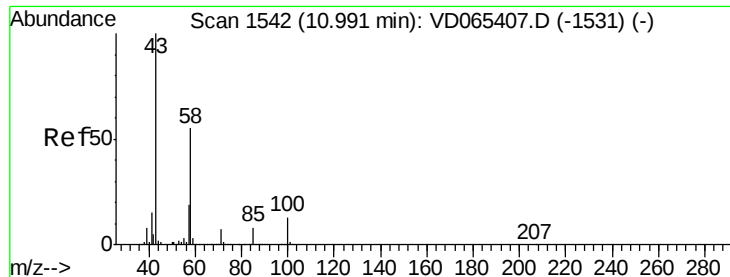
106 29.7 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

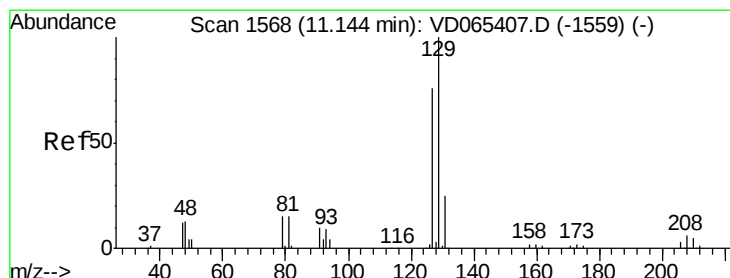
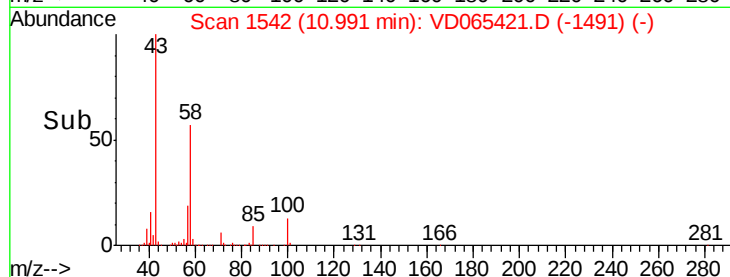
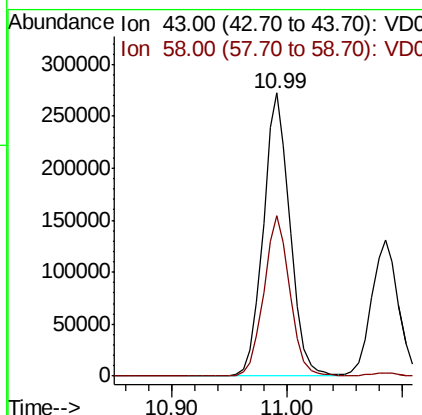
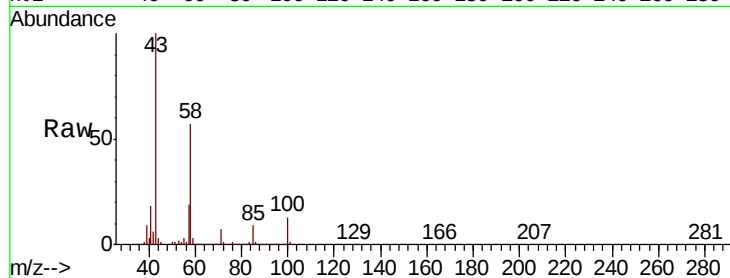




#59
2-Hexanone
Concen: 270.591 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

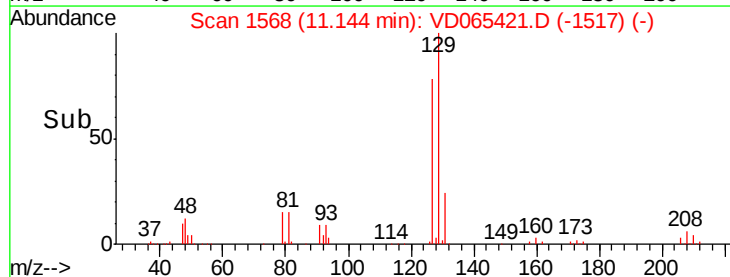
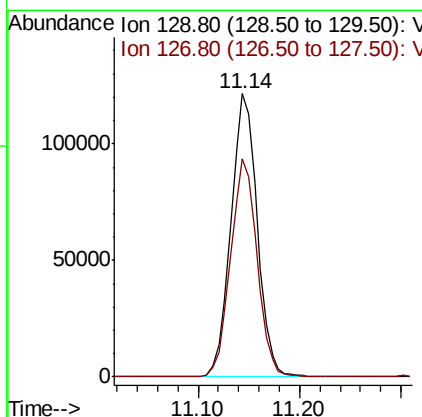
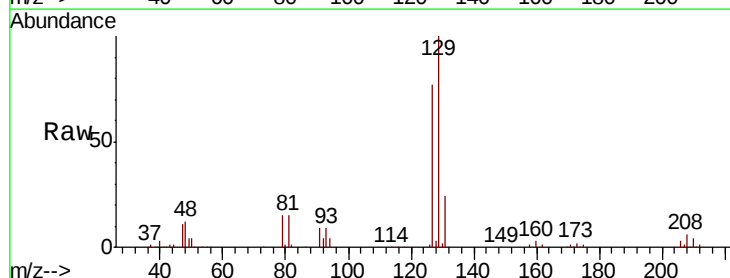
Instrument :
MSVOA_D
ClientSampleId :

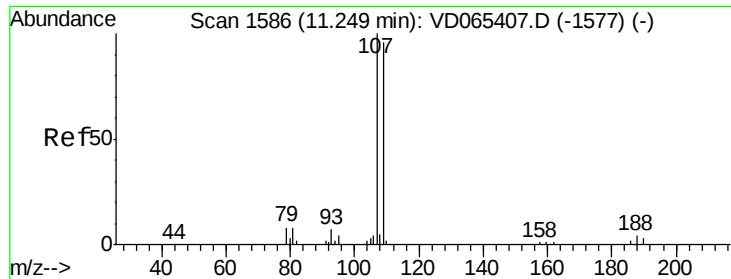
Tot Ion: 43 Resp: 437140
Ion Ratio Lower Upper
43 100
58 55.4 27.4 82.2



#60
Dibromochloromethane
Concen: 52.899 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Tgt Ion:129 Resp: 219240
Ion Ratio Lower Upper
129 100
127 77.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 53.228 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Instrument :

MSVOA_D

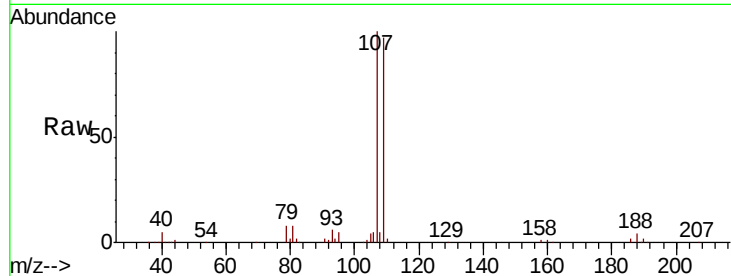
ClientSampled :

Tot Ion:107 Resp: 164158

Ion Ratio Lower Upper

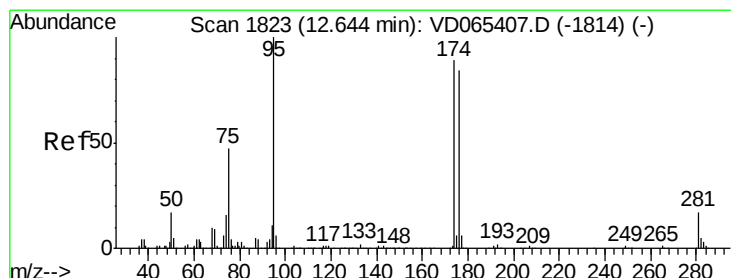
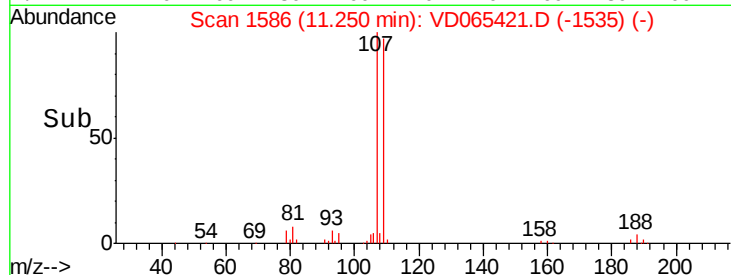
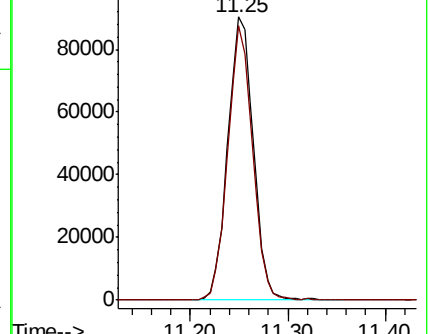
107 100

109 93.8 76.8 115.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.764 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.01 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

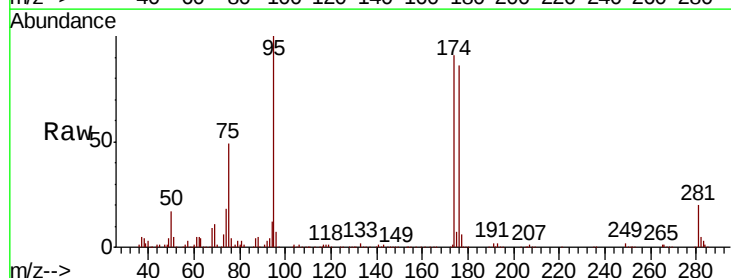
Tgt Ion: 95 Resp: 266932

Ion Ratio Lower Upper

95 100

174 90.0 0.0 176.8

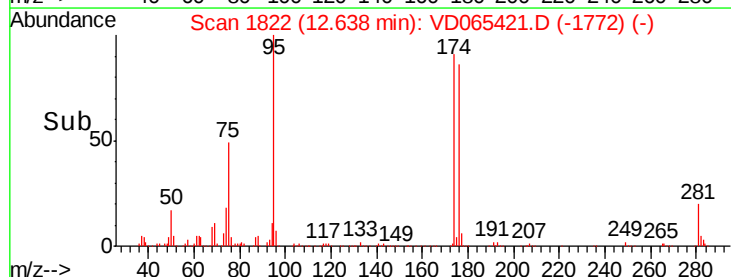
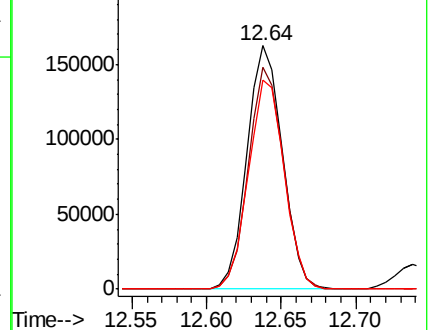
176 86.8 0.0 171.4

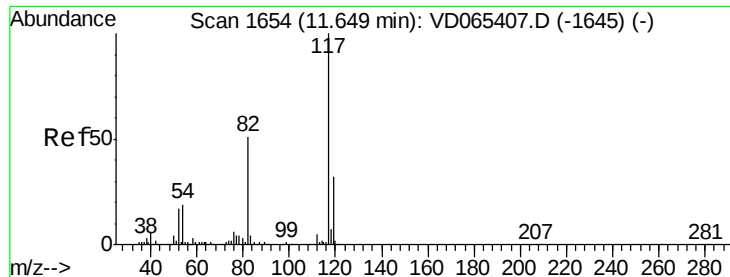


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

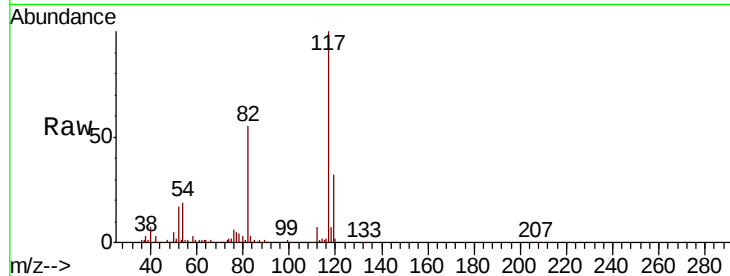




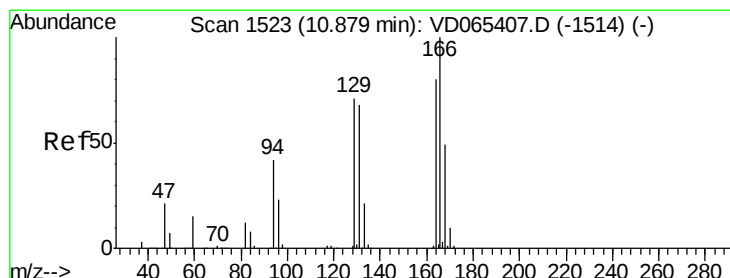
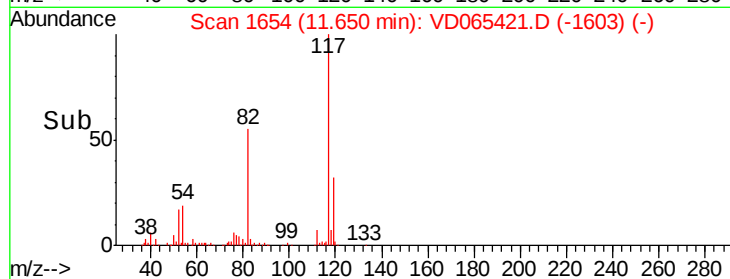
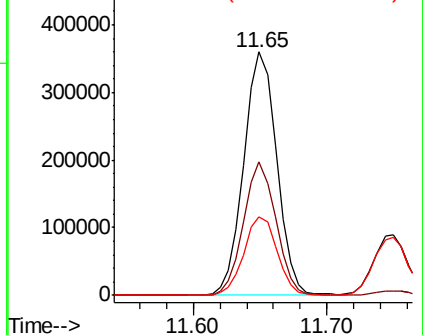
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 614977
Ion Ratio Lower Upper
117 100
82 54.8 40.6 60.8
119 32.4 25.4 38.2

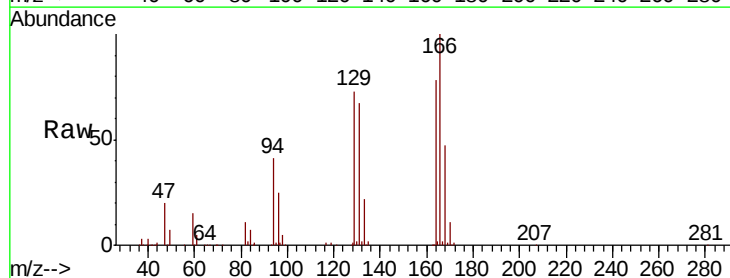


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

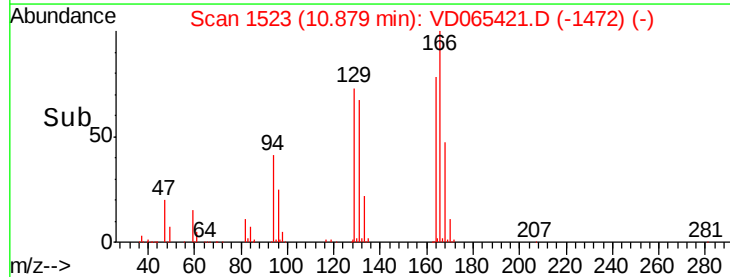
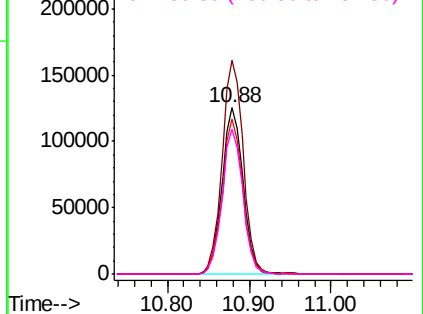


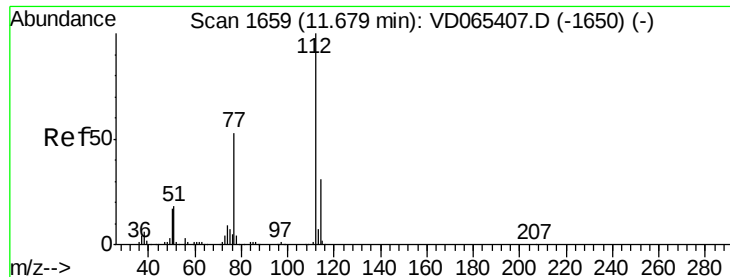
#64
Tetrachloroethene
Concen: 50.991 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Tgt Ion:164 Resp: 224703
Ion Ratio Lower Upper
164 100
166 128.7 100.5 150.7
129 93.4 71.5 107.3
131 86.8 68.5 102.7



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

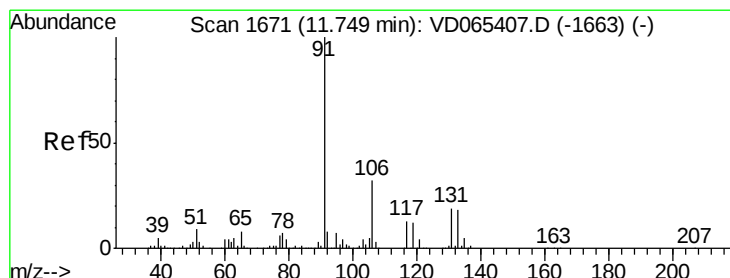
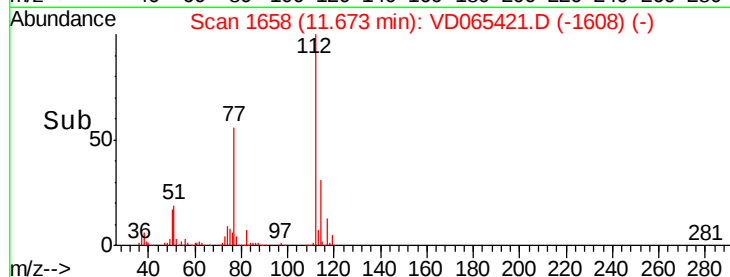
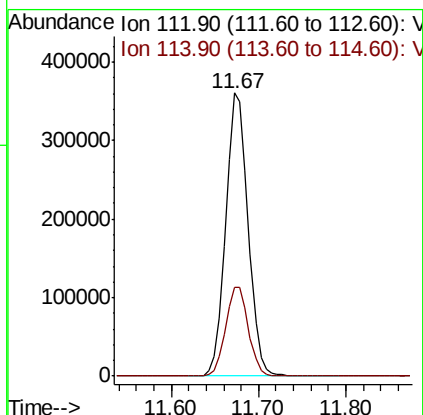
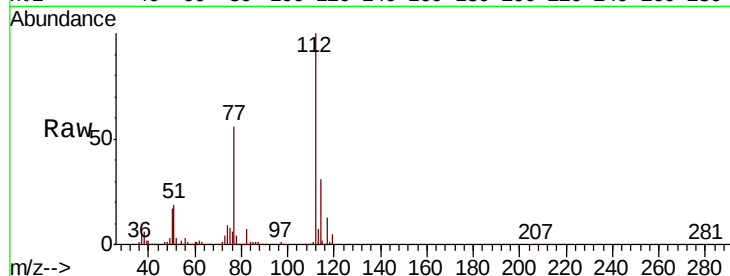




#65
Chlorobenzene
Concen: 51.826 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

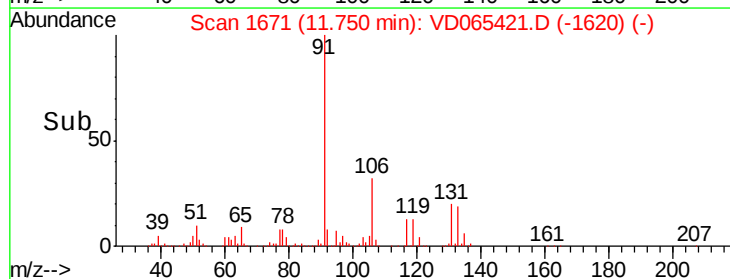
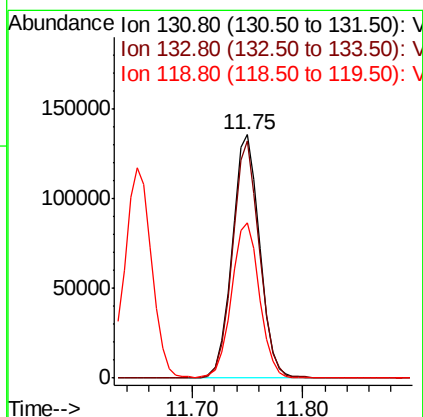
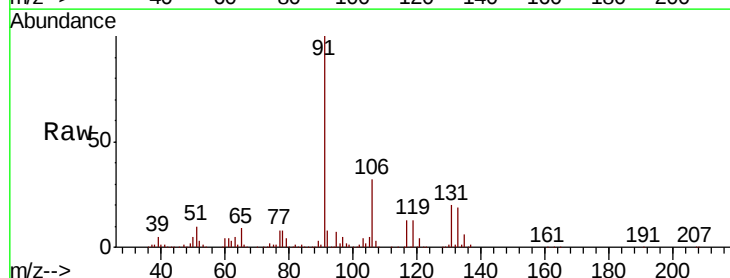
Instrument :
MSVOA_D
ClientSampleId :

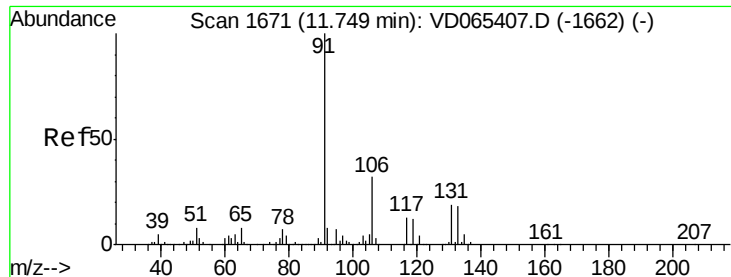
Tot Ion:112 Resp: 630704
Ion Ratio Lower Upper
112 100
114 31.2 24.4 36.6



#66
1,1,1,2-Tetrachloroethane
Concen: 53.456 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Tgt Ion:131 Resp: 236931
Ion Ratio Lower Upper
131 100
133 95.2 49.2 147.6
119 64.6 33.3 99.8





#67

Ethyl Benzene

Concen: 53.228 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Instrument :

MSVOA_D

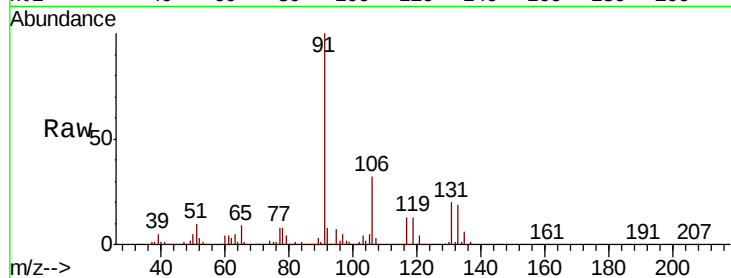
ClientSampleId :

Tot Ion: 91 Resp: 1119279

Ion Ratio Lower Upper

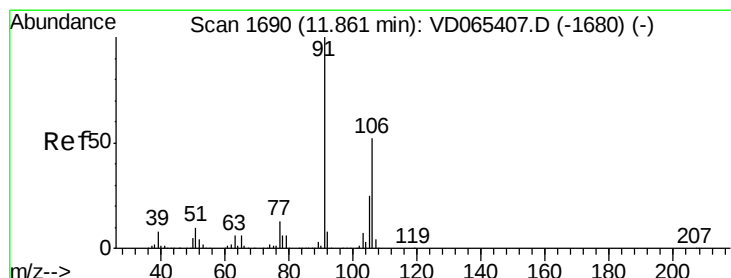
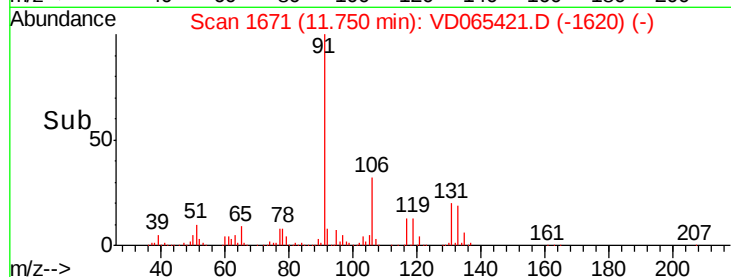
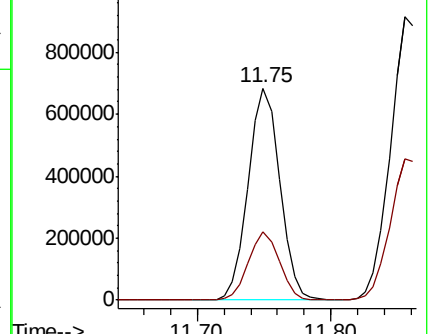
91 100

106 32.0 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 108.101 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD065421.D

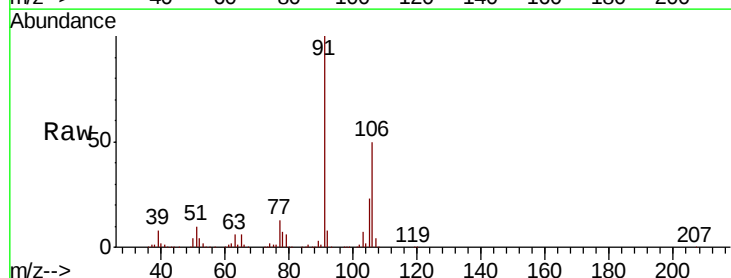
Acq: 04 Mar 2020 20:06

Tgt Ion: 106 Resp: 876491

Ion Ratio Lower Upper

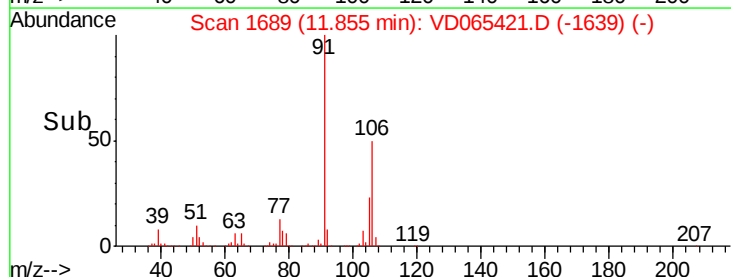
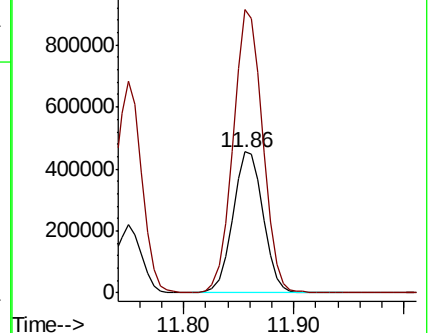
106 100

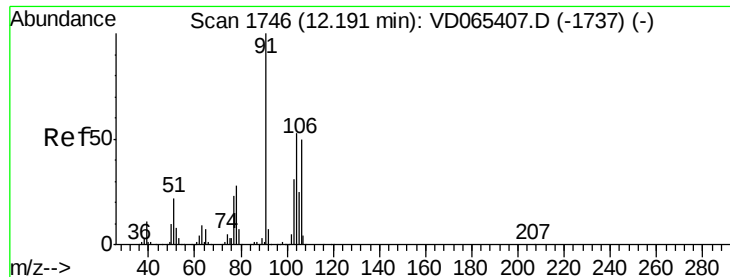
91 196.4 155.9 233.9



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

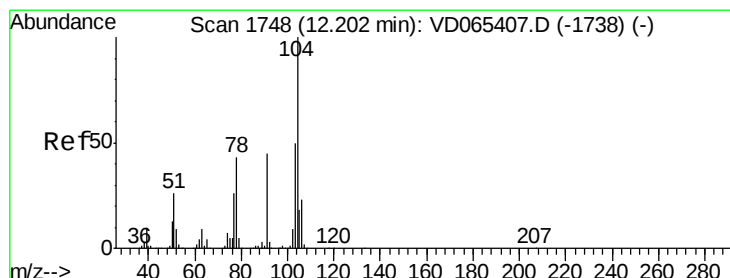
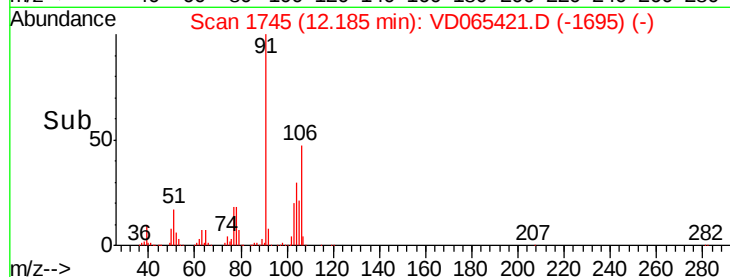
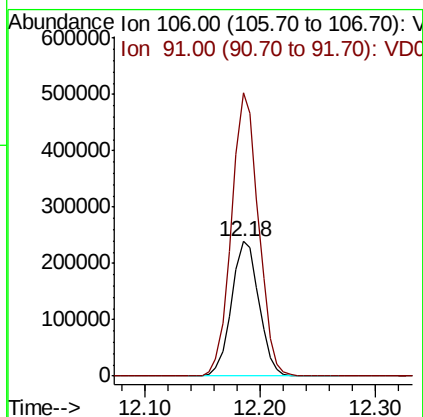
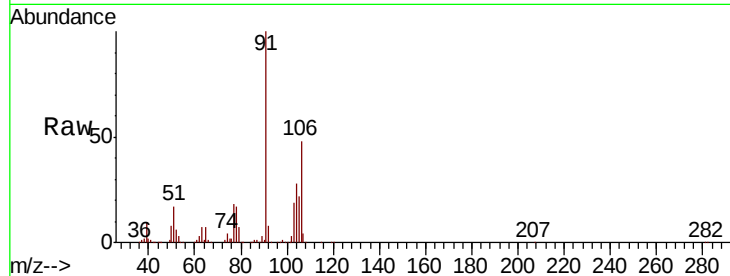




#69
o-Xylene
Concen: 55.332 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

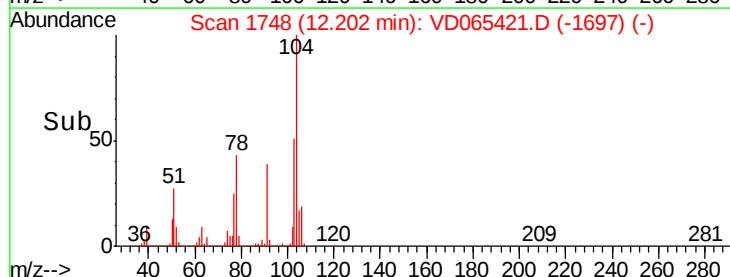
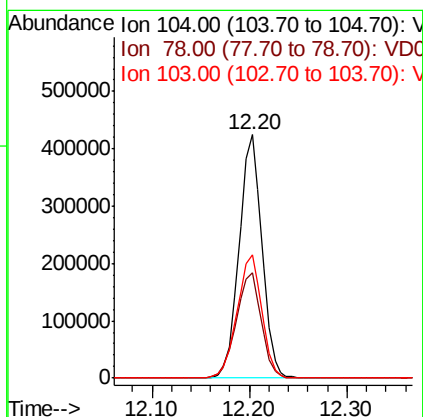
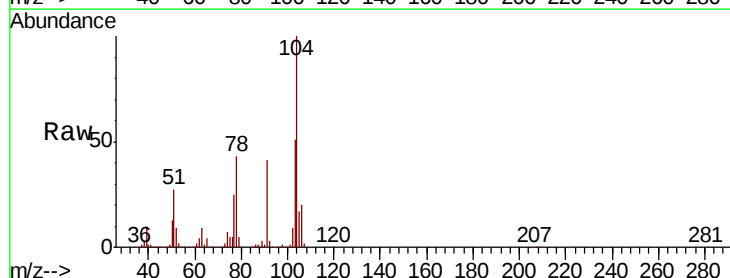
Instrument :
MSVOA_D
ClientSampleId :

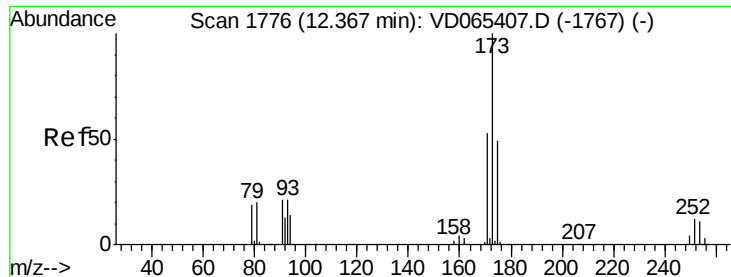
Tot Ion:106 Resp: 394640
Ion Ratio Lower Upper
106 100
91 206.5 103.5 310.3



#70
Styrene
Concen: 54.861 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Tgt Ion:104 Resp: 688632
Ion Ratio Lower Upper
104 100
78 47.5 37.7 56.5
103 54.6 43.6 65.4





#71

Bromoform

Concen: 52.815 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Instrument :

MSVOA_D

ClientSampleId :

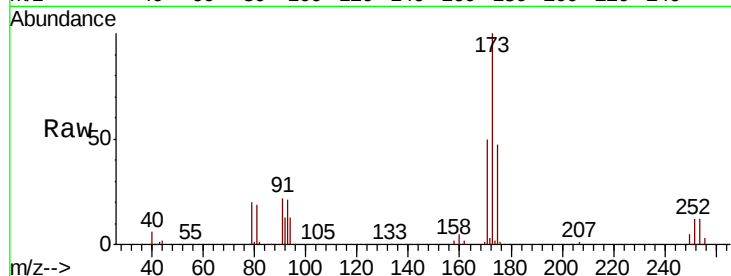
Tot Ion:173 Resp: 131487

Ion Ratio Lower Upper

173 100

175 48.8 24.3 73.0

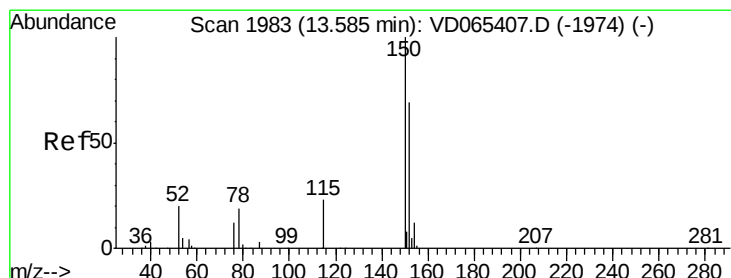
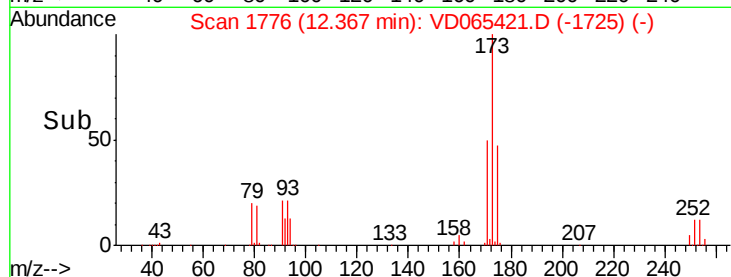
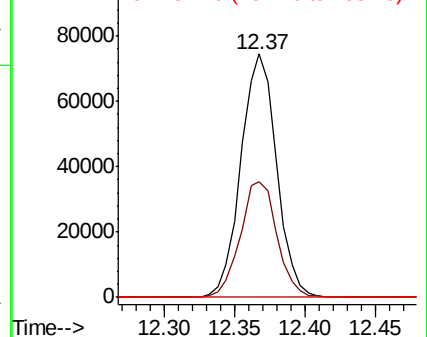
254 0.2 0.1 0.1#



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: VD065421.D

Acq: 04 Mar 2020 20:06

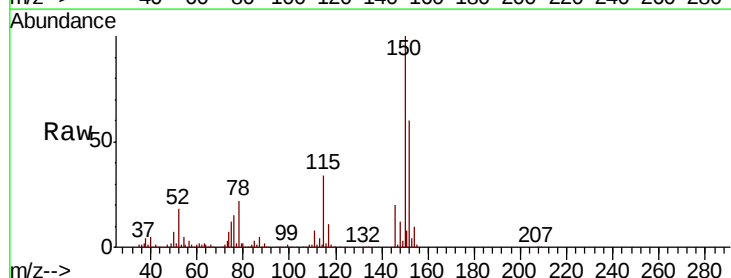
Tgt Ion:152 Resp: 303774

Ion Ratio Lower Upper

152 100

115 55.6 27.6 82.8

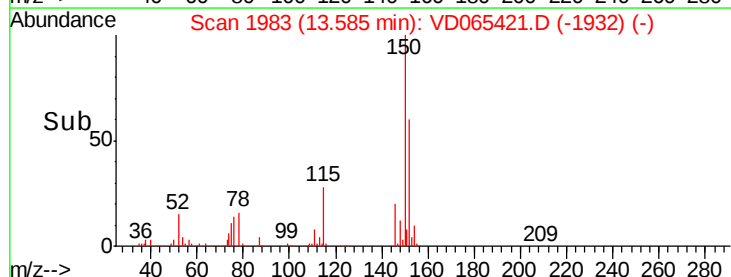
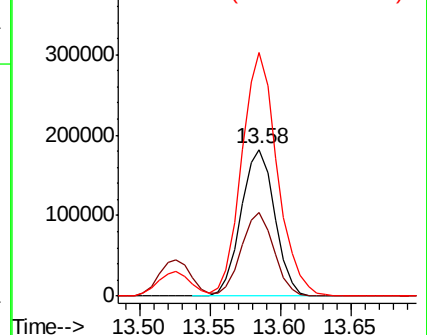
150 175.5 0.0 345.0

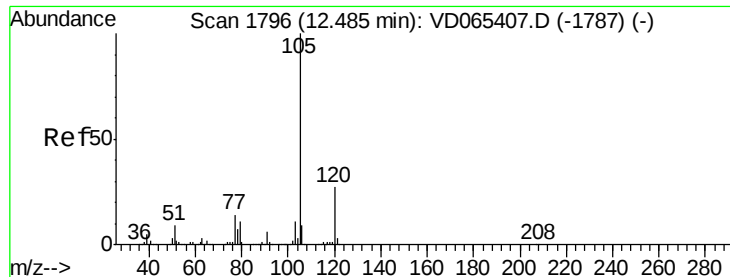


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.039 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Instrument :

MSVOA_D

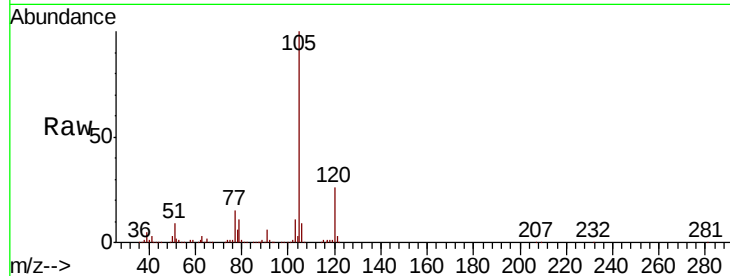
ClientSampleId :

Tot Ion:105 Resp: 1059754

Ion Ratio Lower Upper

105 100

120 27.0 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

600000

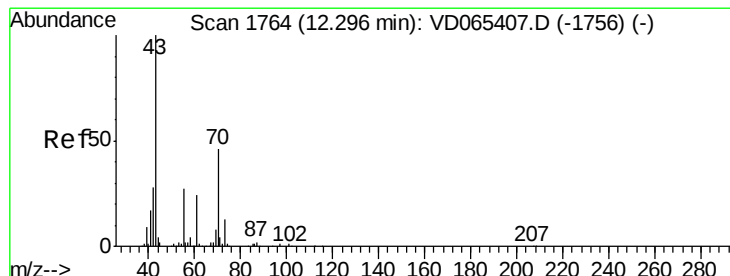
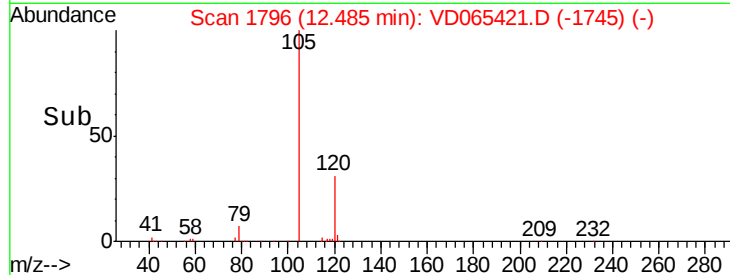
400000

200000

0

Time-->

12.40 12.50 12.60



#74

N-ethyl acetate

Concen: 54.838 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Tgt Ion: 43 Resp: 224315

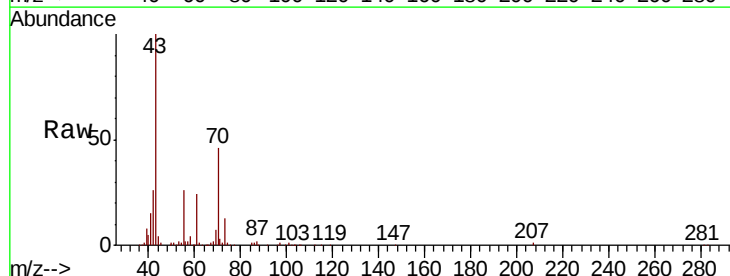
Ion Ratio Lower Upper

43 100

70 45.2 36.1 54.1

55 27.3 21.6 32.4

61 24.8 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

200000

150000

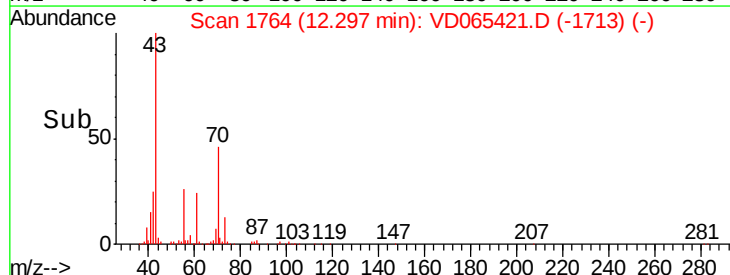
100000

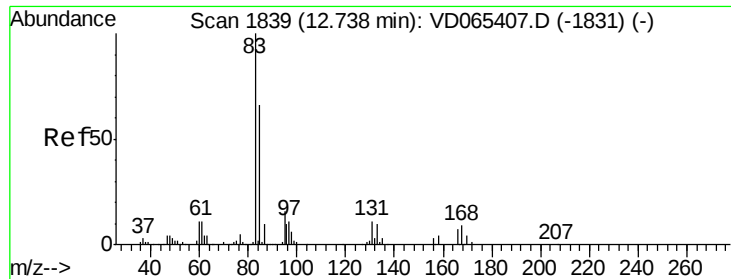
50000

0

Time-->

12.20 12.30 12.40





#75

1,1,2,2-Tetrachloroethane

Concen: 51.948 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Instrument :

MSVOA_D

ClientSampleId :

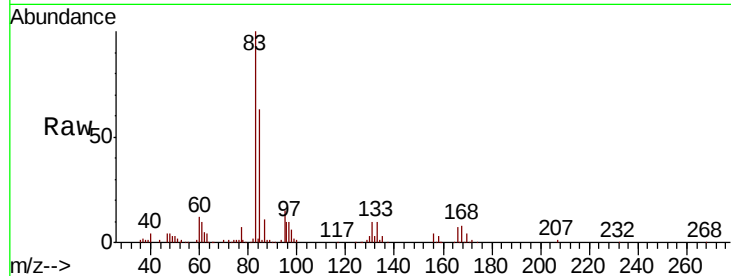
Tot Ion: 83 Resp: 182449

Ion Ratio Lower Upper

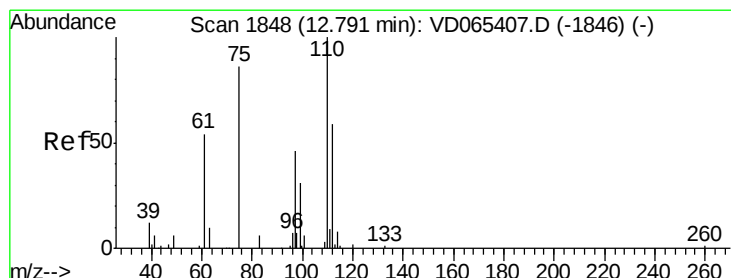
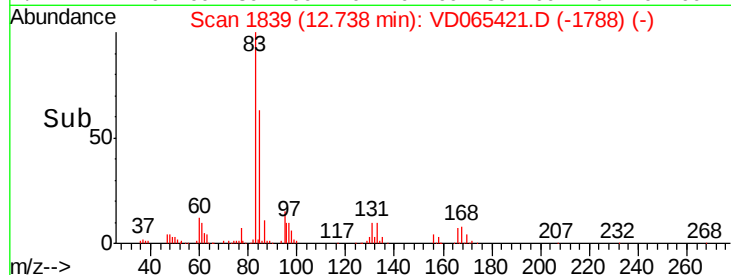
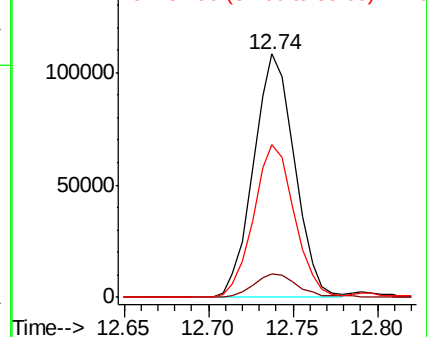
83 100

131 10.6 5.4 16.2

85 62.5 33.0 98.9



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: 97.409 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065421.D

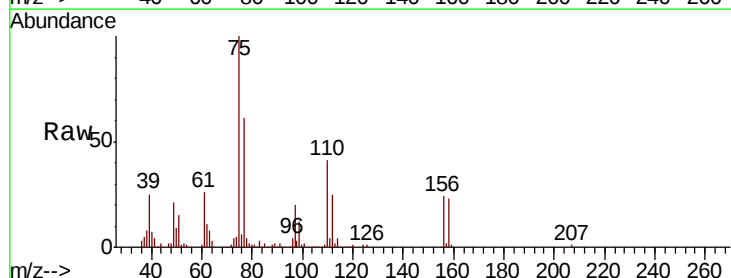
Acq: 04 Mar 2020 20:06

Tgt Ion: 75 Resp: 233492

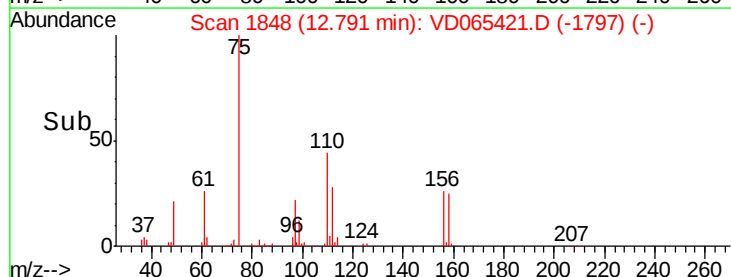
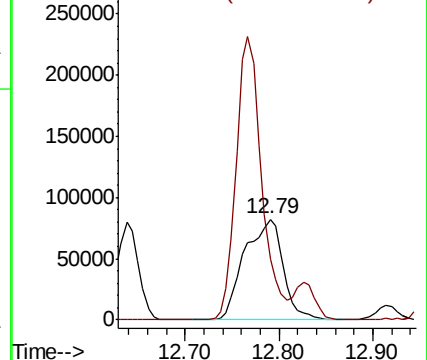
Ion Ratio Lower Upper

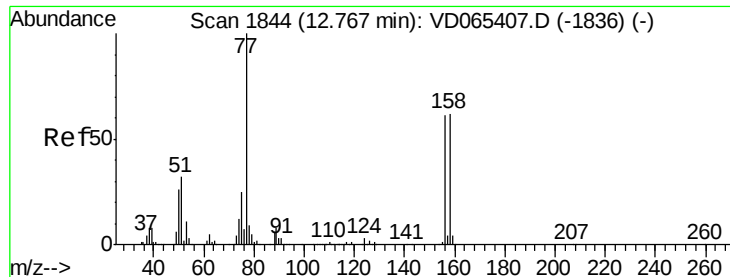
75 100

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: 52.481 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Instrument :

MSVOA_D

ClientSampleId :

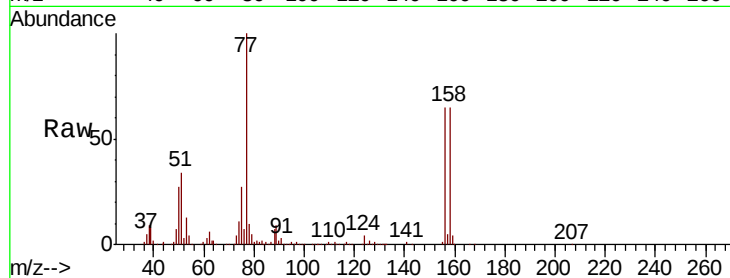
Tot Ion:156 Resp: 260526

Ion Ratio Lower Upper

156 100

77 167.9 84.9 254.6

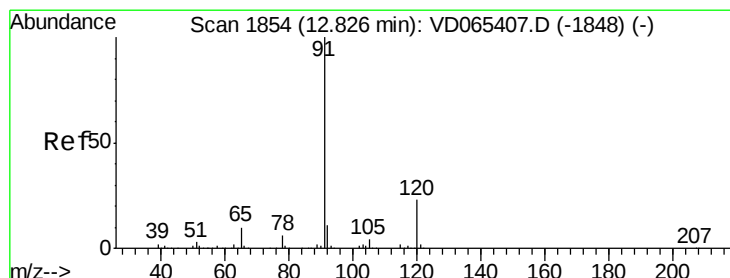
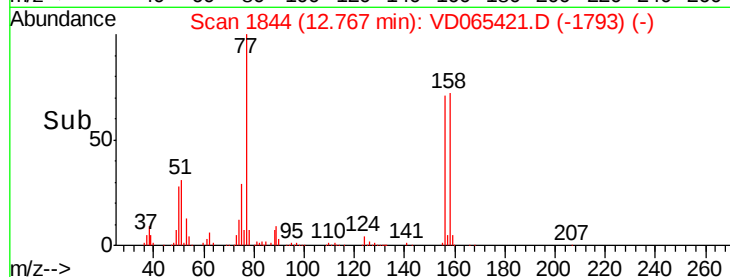
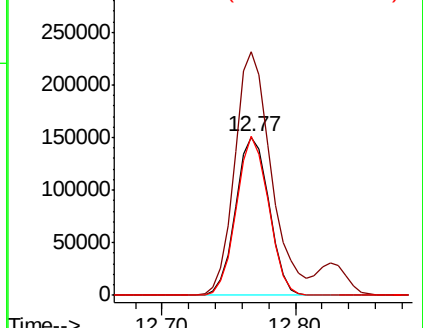
158 97.3 49.0 147.2



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



#78

n-propylbenzene

Concen: 53.237 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065421.D

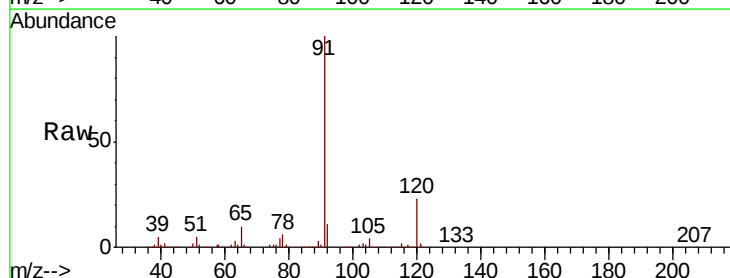
Acq: 04 Mar 2020 20:06

Tgt Ion: 91 Resp: 1262090

Ion Ratio Lower Upper

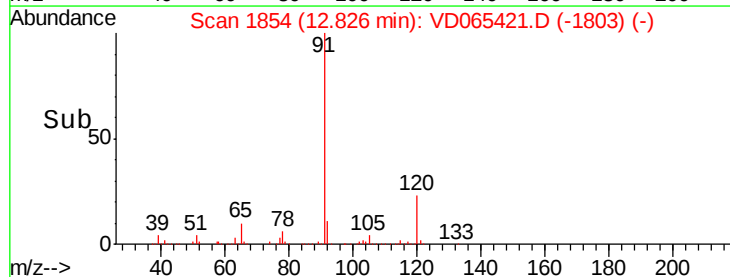
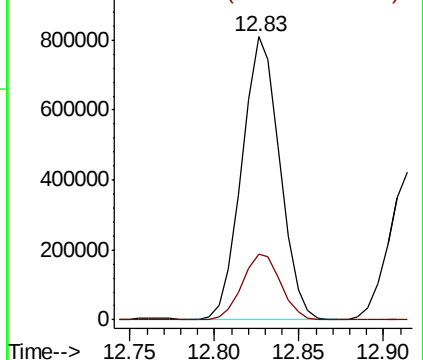
91 100

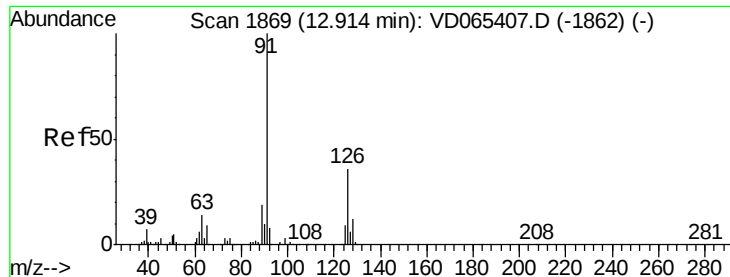
120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

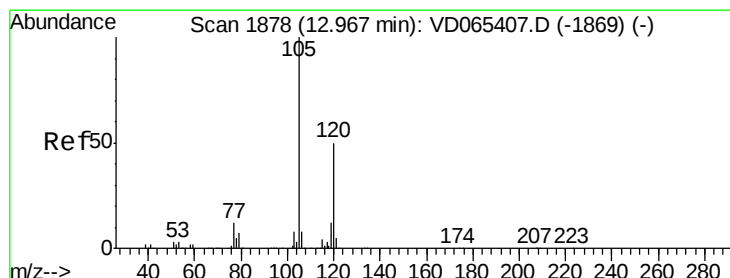
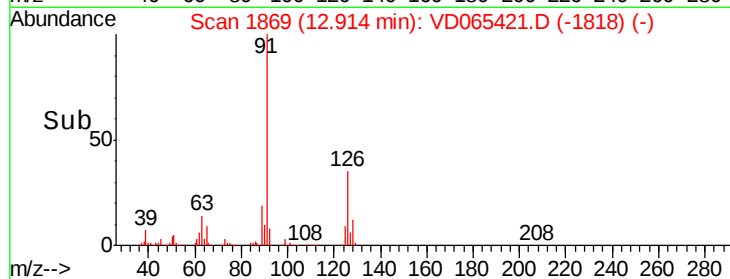
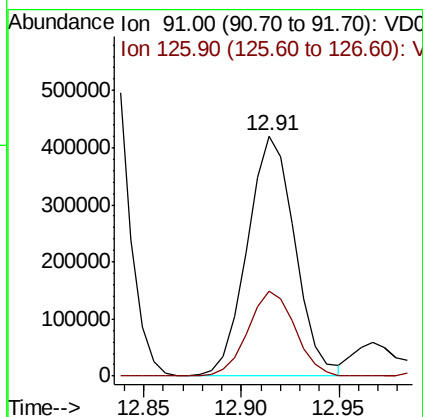
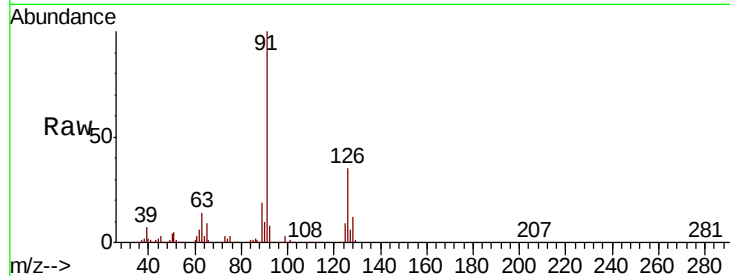




#79
 2-Chlorotoluene
 Concen: 53.006 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065421.D
 Acq: 04 Mar 2020 20:06

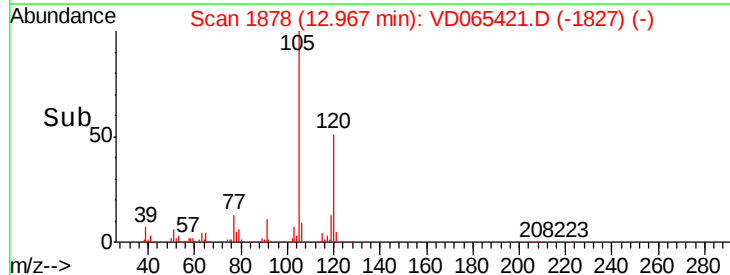
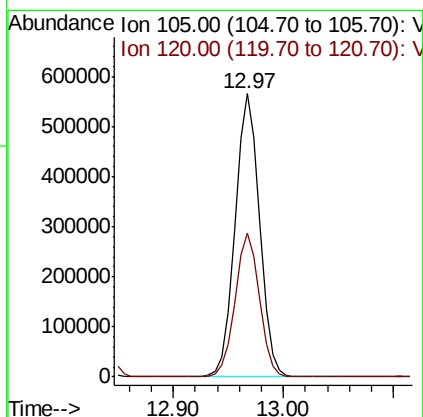
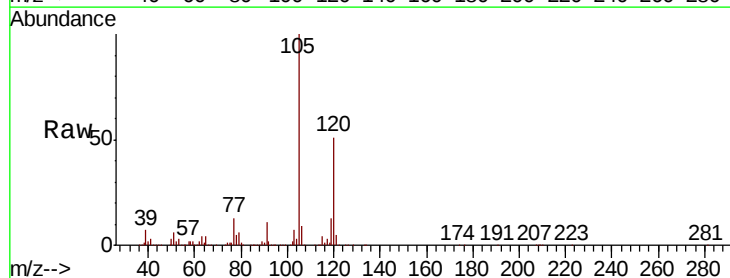
Instrument :
 MSVOA_D
 ClientSampled :

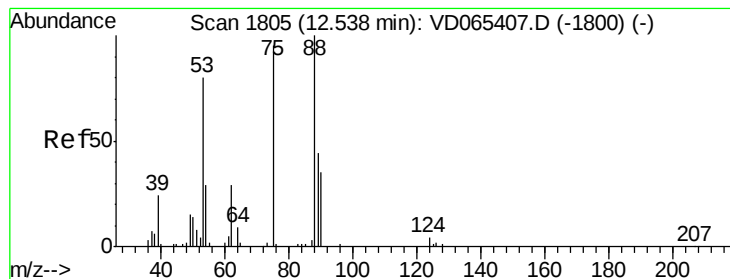
Tot Ion: 91 Resp: 708211
 Ion Ratio Lower Upper
 91 100
 126 34.9 17.9 53.8



#80
 1,3,5-Trimethylbenzene
 Concen: 53.454 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065421.D
 Acq: 04 Mar 2020 20:06

Tgt Ion: 105 Resp: 878048
 Ion Ratio Lower Upper
 105 100
 120 50.7 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 52.028 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Instrument :

MSVOA_D

ClientSampleId :

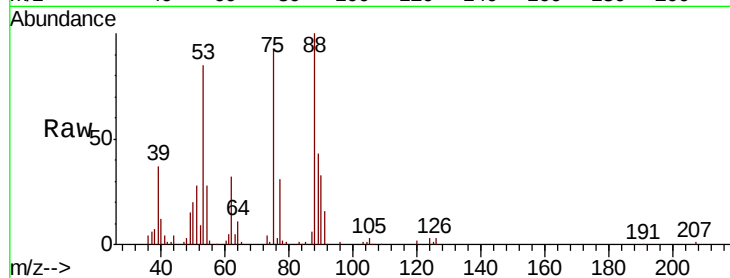
Tot Ion: 75 Resp: 59097

Ion Ratio Lower Upper

75 100

53 91.0 71.3 106.9

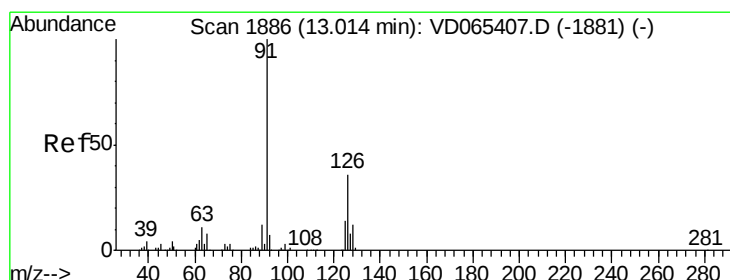
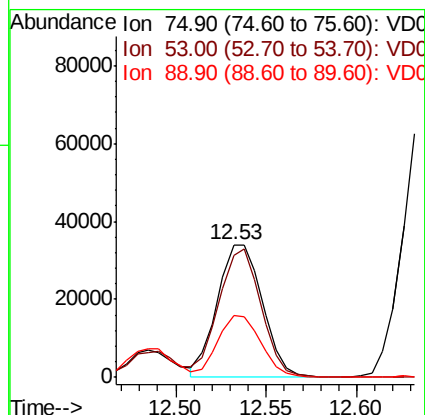
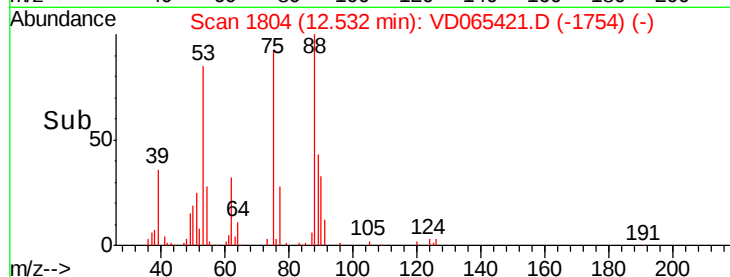
89 44.8 37.0 55.6



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 52.722 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065421.D

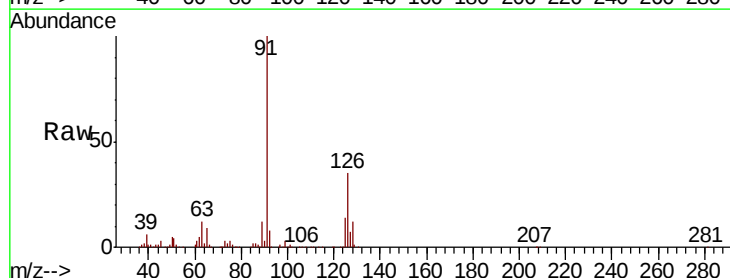
Acq: 04 Mar 2020 20:06

Tgt Ion: 91 Resp: 740223

Ion Ratio Lower Upper

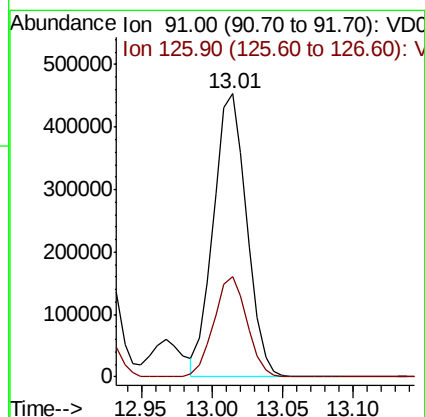
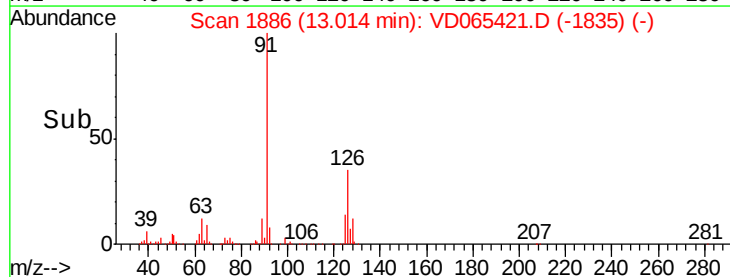
91 100

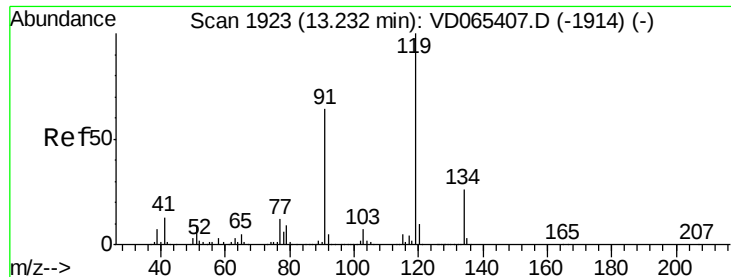
126 35.3 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

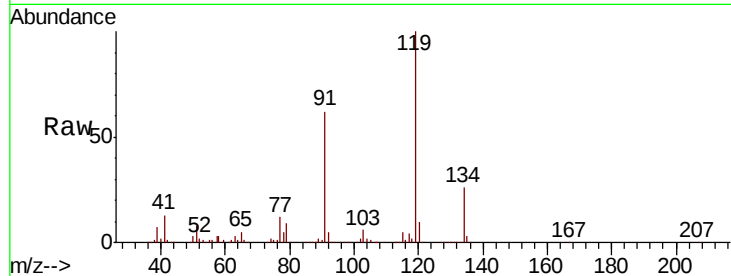




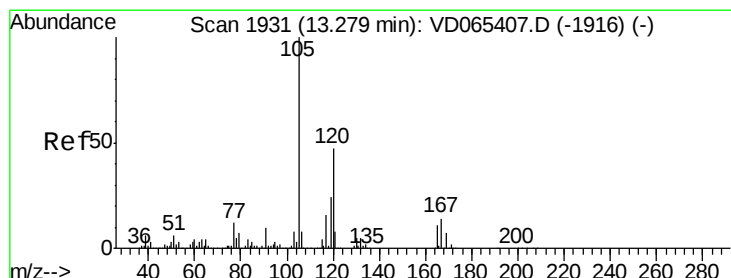
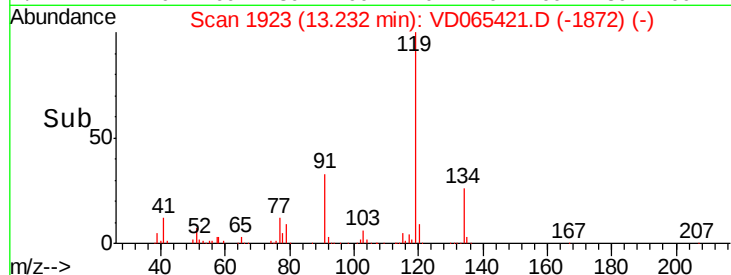
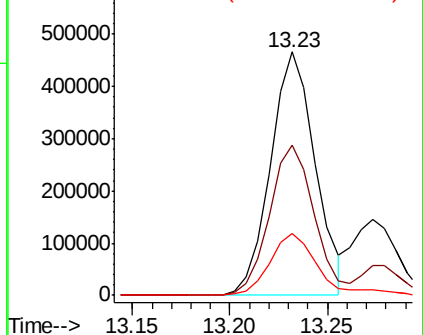
#83
tert-Butylbenzene
Concen: 53.041 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 737097
Ion Ratio Lower Upper
119 100
91 62.3 31.6 95.0
134 27.7 14.2 42.8

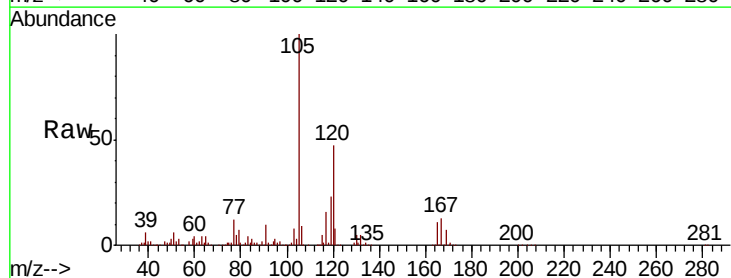


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

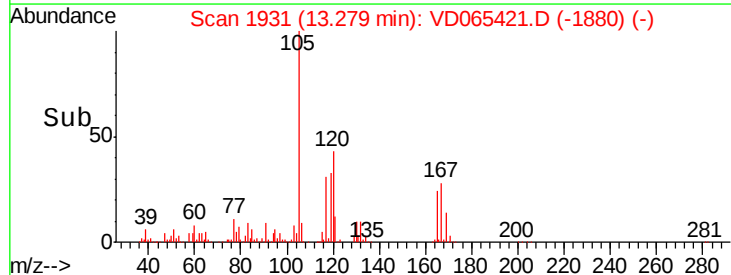
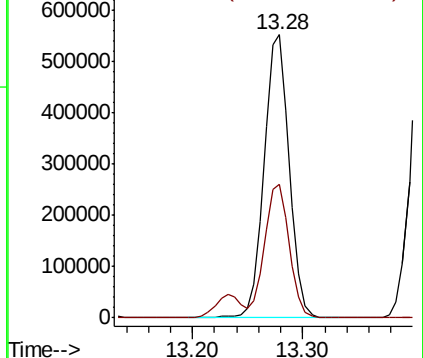


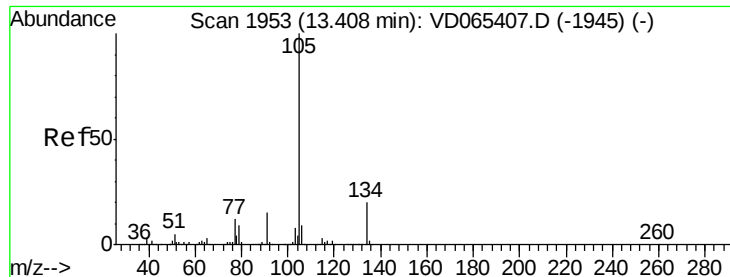
#84
1,2,4-Trimethylbenzene
Concen: 54.341 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Tgt Ion:105 Resp: 879878
Ion Ratio Lower Upper
105 100
120 46.6 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

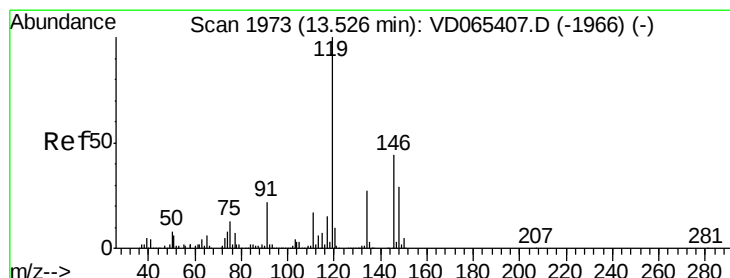
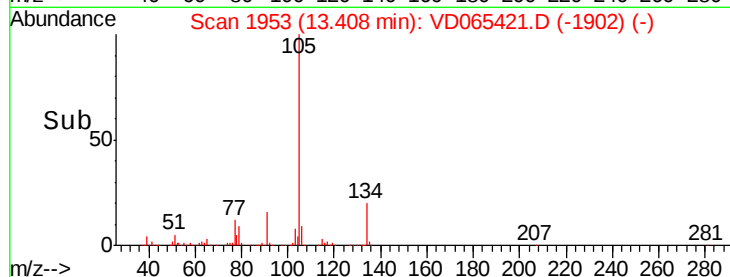
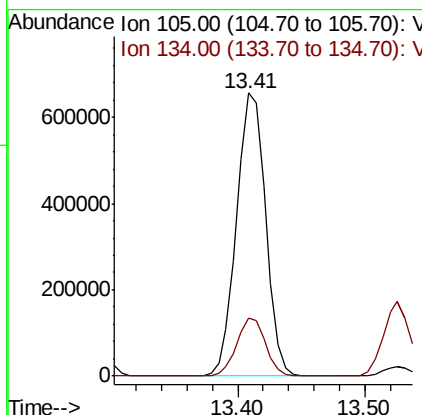
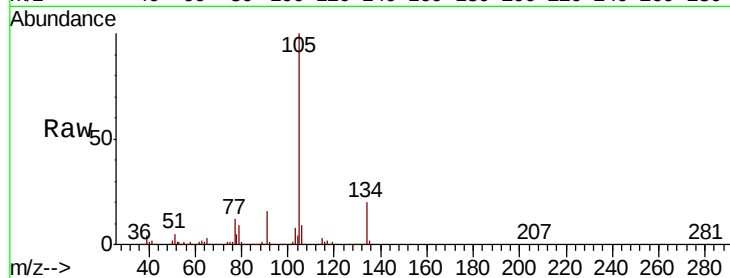




#85
 sec-Butylbenzene
 Concen: 52.669 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065421.D
 Acq: 04 Mar 2020 20:06

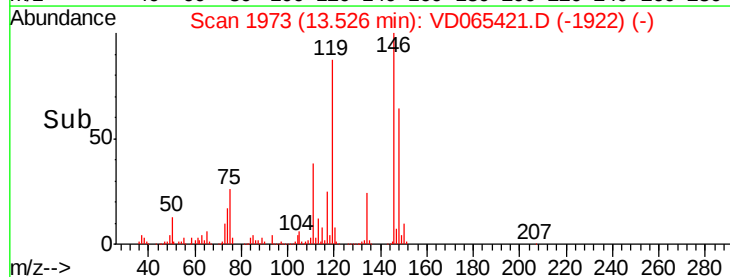
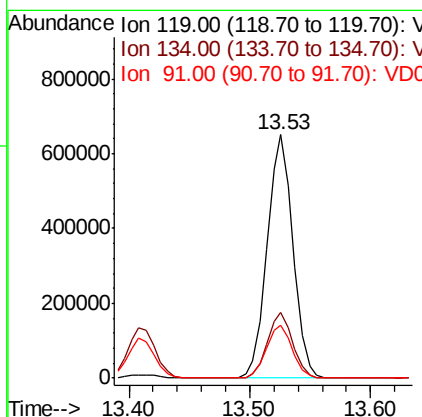
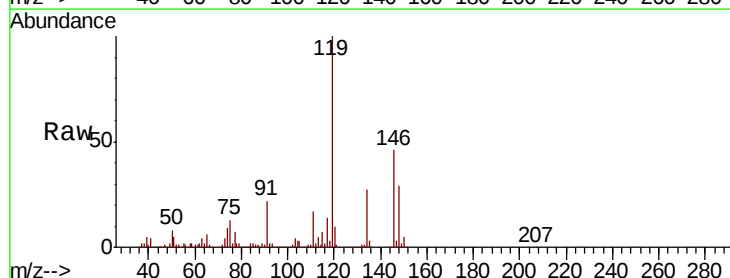
Instrument :
 MSVOA_D
 ClientSampleId :

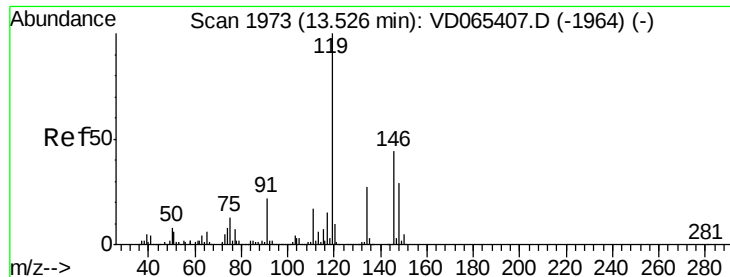
Tot Ion:105 Resp: 1044772
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.3 30.9



#86
 p-Isopropyltoluene
 Concen: 53.317 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065421.D
 Acq: 04 Mar 2020 20:06

Tgt Ion:119 Resp: 965078
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.3 39.9
 91 21.8 10.9 32.6

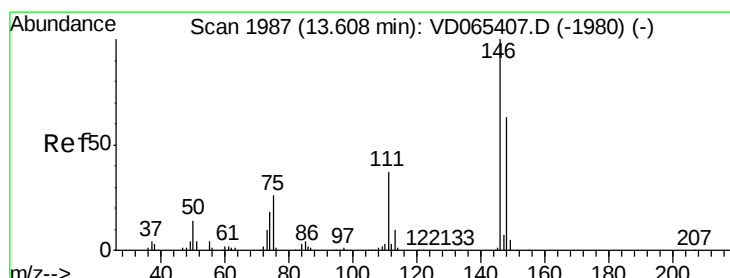
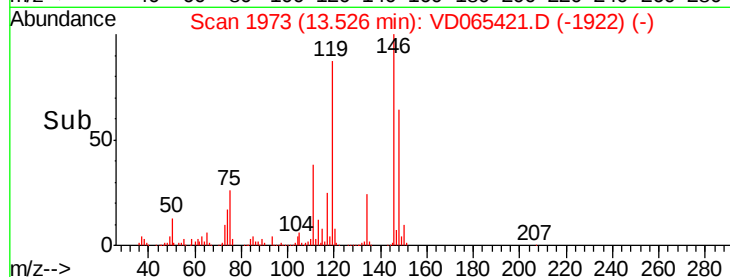
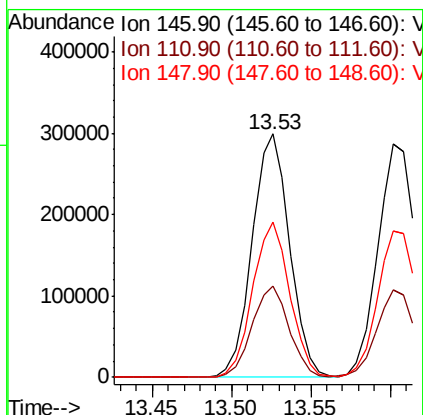
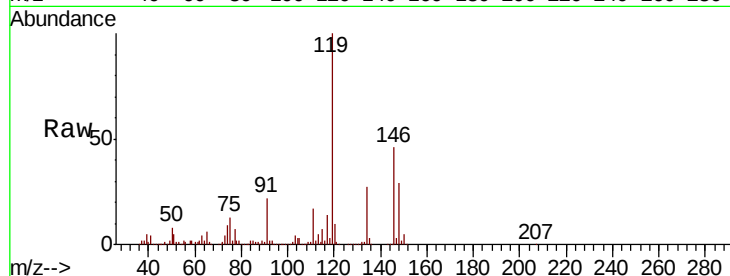




#87
 1,3-Dichlorobenzene
 Concen: 51.515 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065421.D
 Acq: 04 Mar 2020 20:06

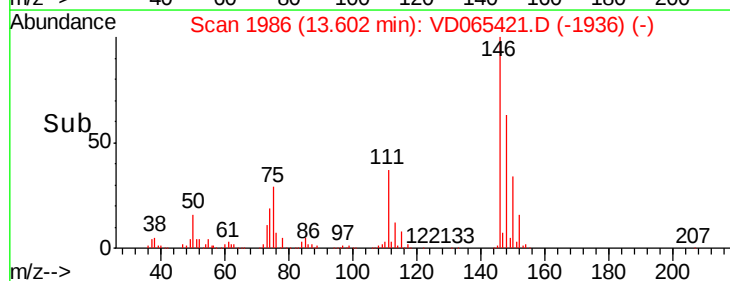
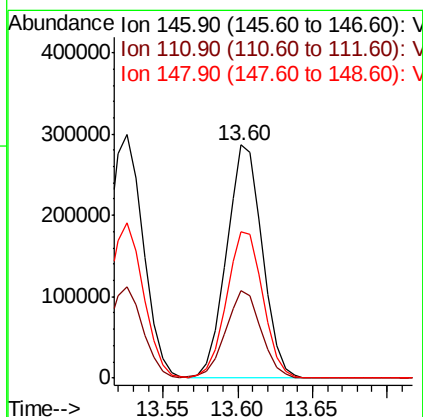
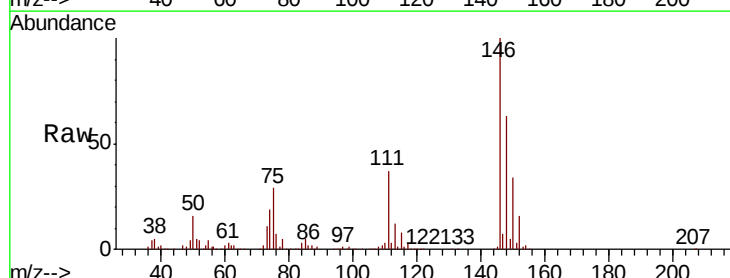
Instrument :
 MSVOA_D
 ClientSampleId :

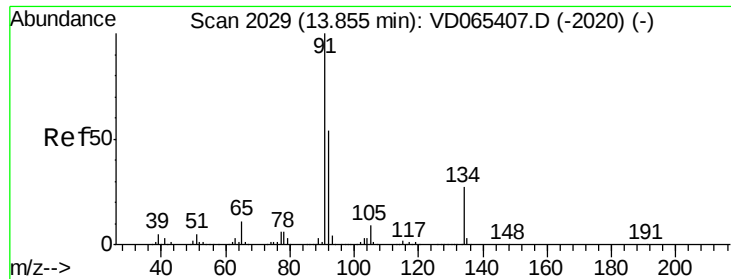
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	19.1	57.1
148	63.2	32.3	96.8



#88
 1,4-Dichlorobenzene
 Concen: 50.343 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065421.D
 Acq: 04 Mar 2020 20:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.5	55.5
148	64.1	32.0	96.0

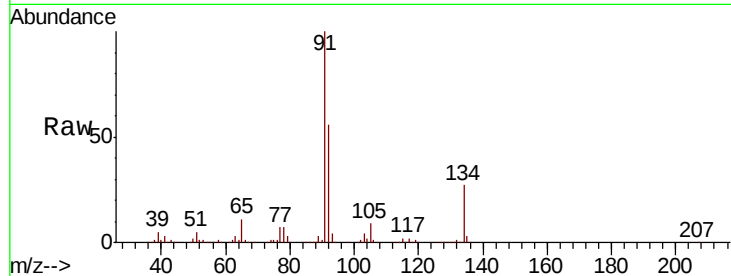




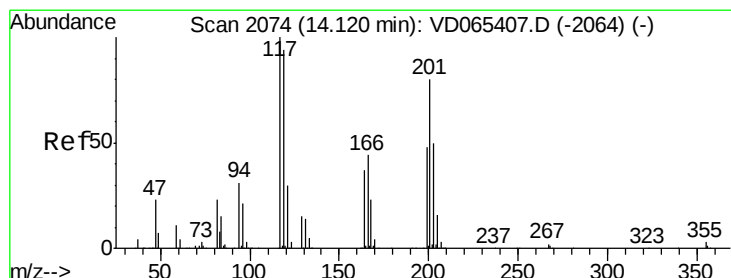
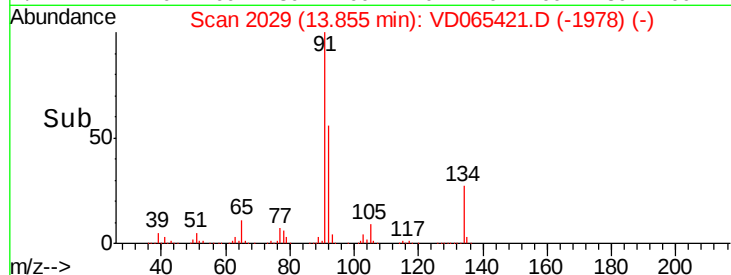
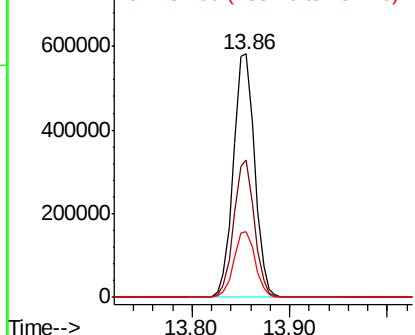
#89
n-Butylbenzene
Concen: 52.684 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 881630
Ion Ratio Lower Upper
91 100
92 54.4 26.8 80.4
134 27.1 13.4 40.2

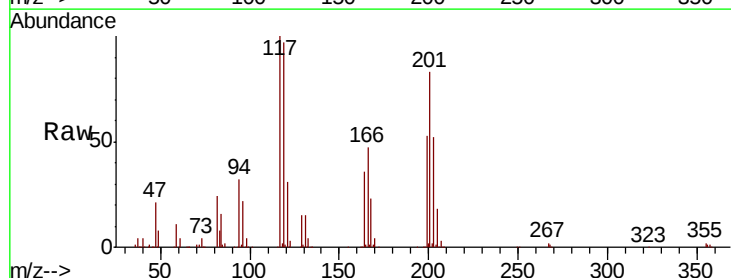


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.00 (133.70 to 134.70): V

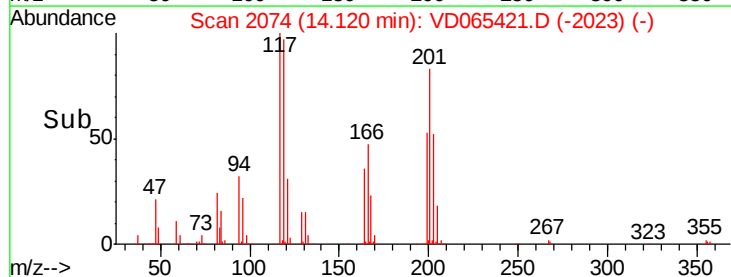
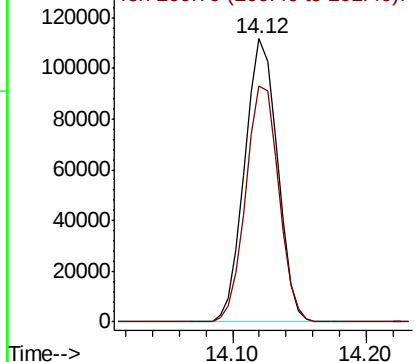


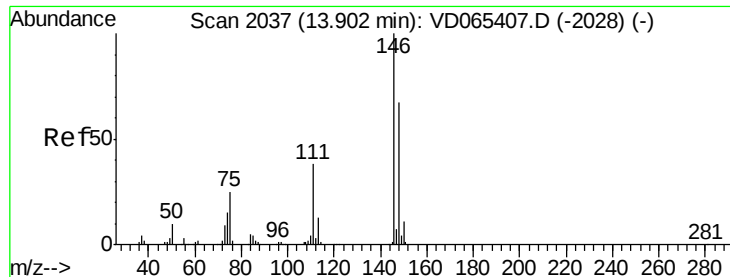
#90
Hexachloroethane
Concen: 50.793 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Tgt Ion: 117 Resp: 189338
Ion Ratio Lower Upper
117 100
201 83.8 41.9 125.6



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

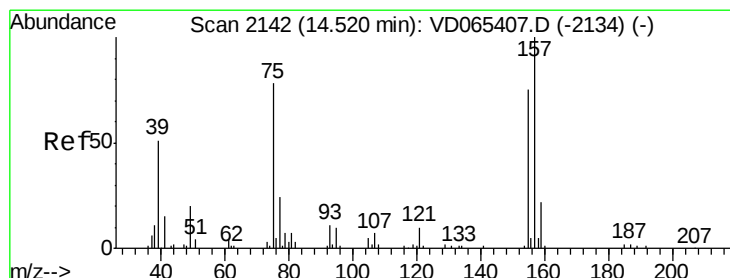
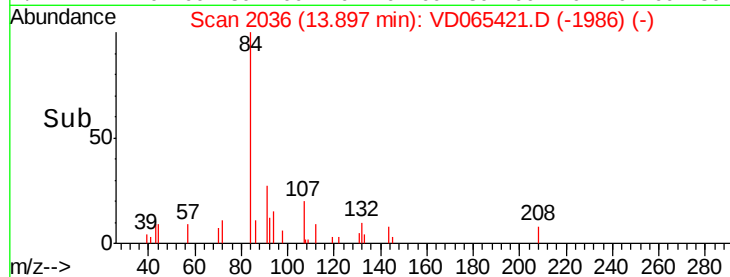
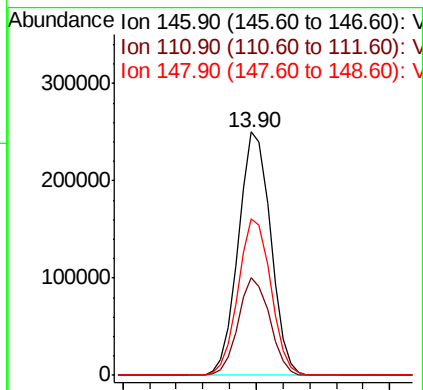
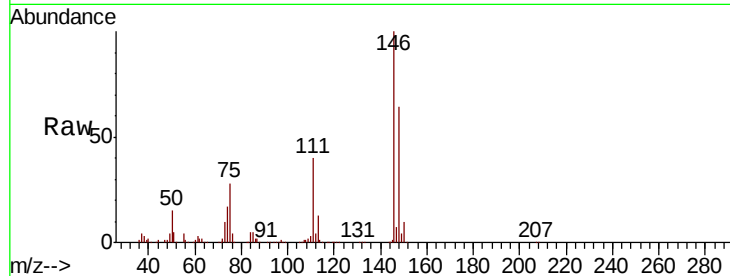




#91
 1,2-Dichlorobenzene
 Concen: 51.749 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065421.D
 Acq: 04 Mar 2020 20:06

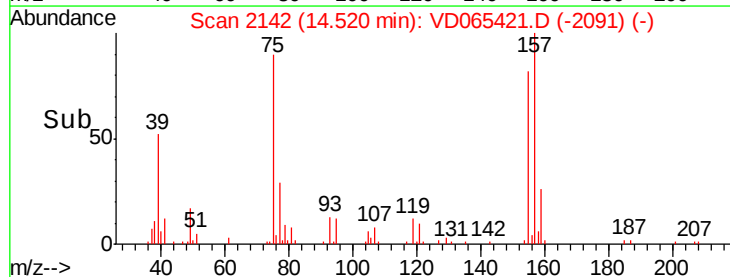
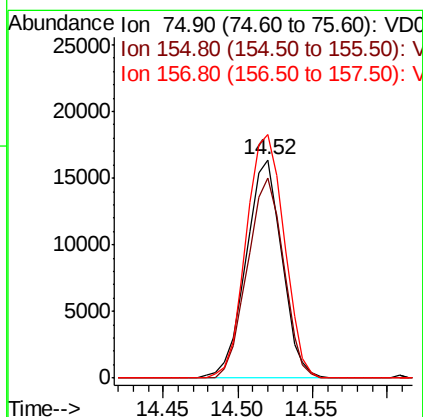
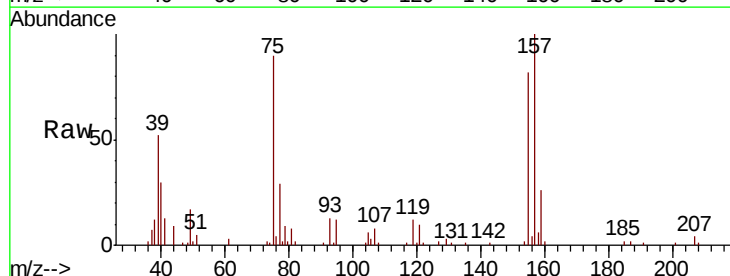
Instrument :
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 ClientSampleId :

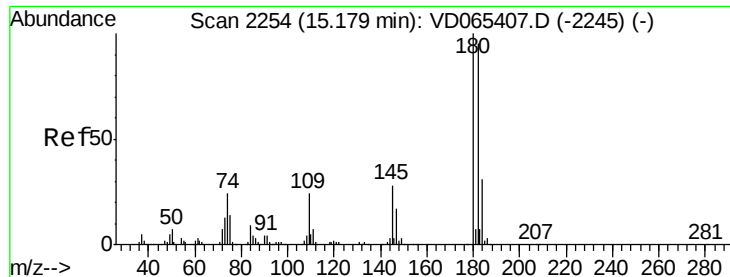
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.8	59.3
148	64.9	32.6	97.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.030 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065421.D
 Acq: 04 Mar 2020 20:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.6	46.4	139.1
157	117.9	60.2	180.4

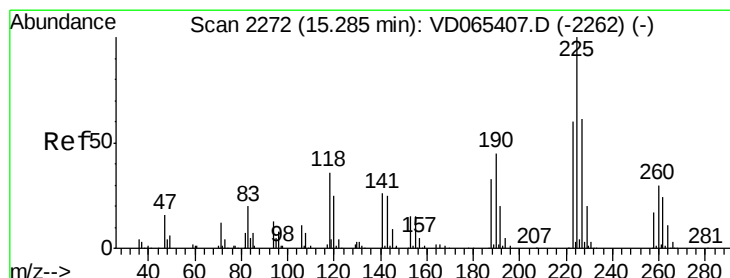
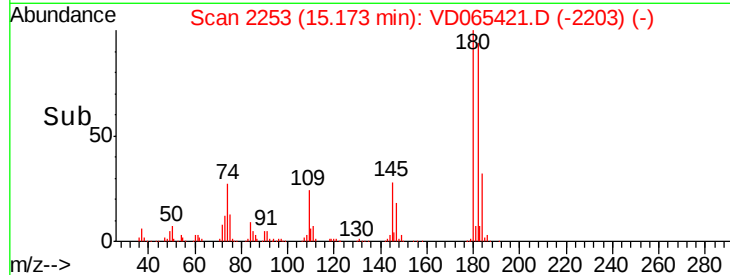
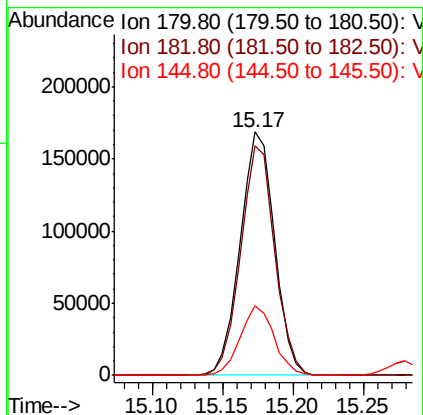
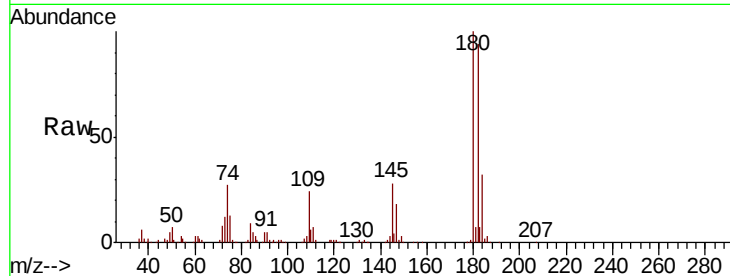




#93
 1,2,4-Trichlorobenzene
 Concen: 52.356 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065421.D
 Acq: 04 Mar 2020 20:06

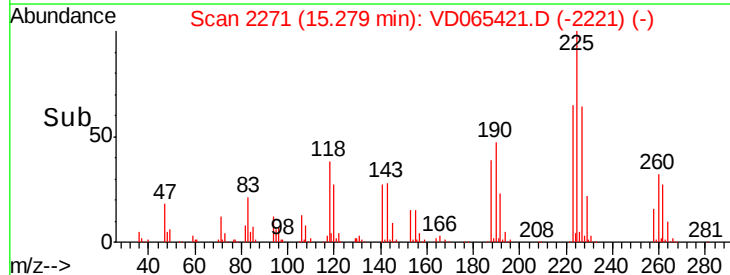
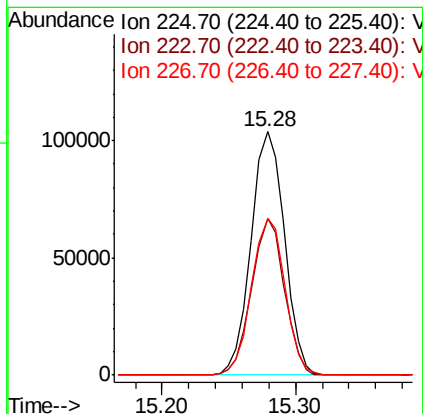
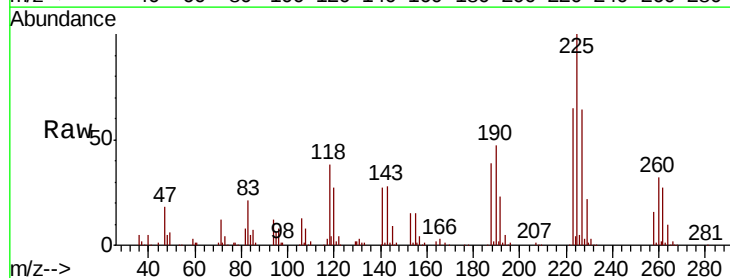
Instrument :
 MSVOA_D
 ClientSampleID :

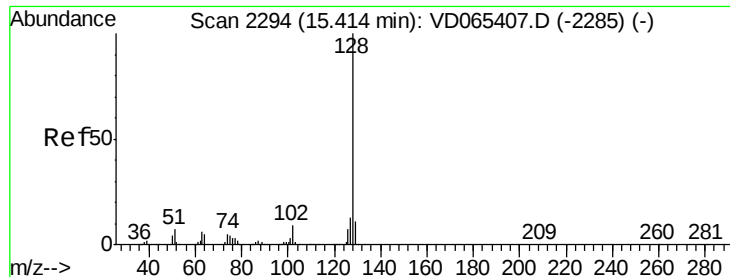
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	48.3	144.9
145	27.9	14.4	43.4



#94
 Hexachlorobutadiene
 Concen: 49.679 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065421.D
 Acq: 04 Mar 2020 20:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	30.9	92.5
227	64.3	31.6	94.7

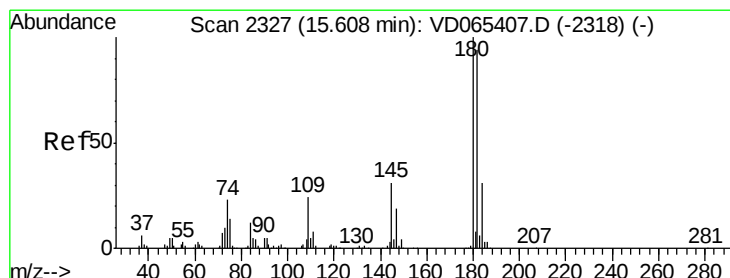
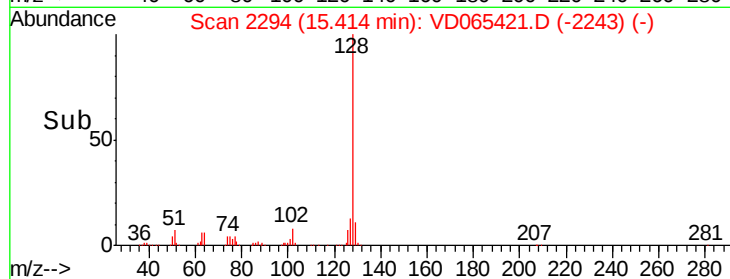
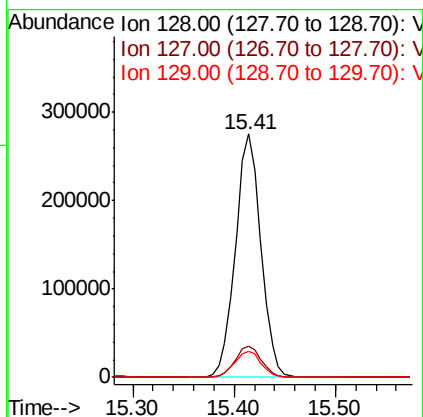
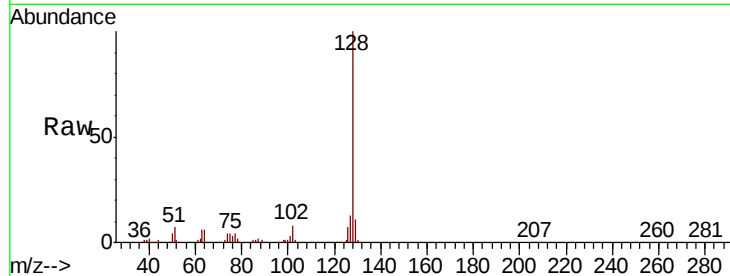




#95
Naphthalene
Concen: 48.940 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	11.0	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 53.031 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	46.9	140.6
145	30.9	15.0	45.1

