

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD013120\
 Data File : VD065027.D
 Acq On : 31 Jan 2020 12:01
 Operator : VA/SY
 Sample : VD0131SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0131SBS01

Quant Time: Jan 31 12:59:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	467676	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	681348	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	606296	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	293659	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	226525	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
35) Dibromofluoromethane	7.92	113	220628	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	
50) Toluene-d8	10.34	98	849658	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
62) 4-Bromofluorobenzene	12.64	95	265527	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	74177	21.05	ug/l	99
3) Chloromethane	2.21	50	107238	20.77	ug/l	98
4) Vinyl Chloride	2.35	62	120251	20.28	ug/l	99
5) Bromomethane	2.76	94	80306	20.13	ug/l	94
6) Chloroethane	2.92	64	78527	20.08	ug/l	96
7) Trichlorofluoromethane	3.27	101	186468	20.36	ug/l	95
8) Diethyl Ether	3.70	74	43107	20.85	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	93774	22.01	ug/l	98
10) Methyl Iodide	4.30	142	88585	19.58	ug/l	99
11) Tert butyl alcohol	5.24	59	22520	90.84	ug/l #	94
12) 1,1-Dichloroethene	4.06	96	84520	20.76	ug/l	98
13) Acrolein	3.93	56	23482	75.56	ug/l	97
14) Allyl chloride	4.71	41	137994	21.25	ug/l	97
15) Acrylonitrile	5.43	53	93638	104.57	ug/l	99
16) Acetone	4.17	43	101102	94.08	ug/l	98
17) Carbon Disulfide	4.40	76	275881	20.59	ug/l	100
18) Methyl Acetate	4.73	43	48331	23.00	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	184876	20.32	ug/l	98
20) Methylene Chloride	4.96	84	103170	19.78	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	97234	20.73	ug/l	95
22) Diisopropyl ether	6.37	45	276829	21.39	ug/l	97
23) Vinyl Acetate	6.31	43	763104	100.73	ug/l	99
24) 1,1-Dichloroethane	6.27	63	170123	21.41	ug/l	98
25) 2-Butanone	7.23	43	124859	103.02	ug/l	97
26) 2,2-Dichloropropane	7.21	77	154105	21.38	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	103952	20.76	ug/l	100
28) Bromochloromethane	7.55	49	57082	17.97	ug/l	99
29) Tetrahydrofuran	7.57	42	75460	100.91	ug/l	98
30) Chloroform	7.71	83	174678	21.27	ug/l	100
31) Cyclohexane	7.98	56	162328	20.77	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	161906	21.19	ug/l	99
36) 1,1-Dichloropropene	8.11	75	138962	21.15	ug/l	98
37) Ethyl Acetate	7.30	43	53877	19.85	ug/l	99
38) Carbon Tetrachloride	8.10	117	147775	21.28	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD013120\
 Data File : VD065027.D
 Acq On : 31 Jan 2020 12:01
 Operator : VA/SY
 Sample : VD0131SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0131SBS01

Quant Time: Jan 31 12:59:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	159827	20.81	ug/l	96
40) Benzene	8.36	78	377490	20.86	ug/l	100
41) Methacrylonitrile	7.53	41	29615	20.26	ug/l #	83
42) 1,2-Dichloroethane	8.43	62	113509	21.06	ug/l	99
43) Isopropyl Acetate	8.46	43	104757	20.32	ug/l	99
44) Trichloroethene	9.12	130	105854	20.90	ug/l	97
45) 1,2-Dichloropropane	9.39	63	91948	20.96	ug/l	100
46) Dibromomethane	9.48	93	49835	20.81	ug/l	99
47) Bromodichloromethane	9.67	83	133538	21.43	ug/l	96
48) Methyl methacrylate	9.46	41	50238	21.18	ug/l	98
49) 1,4-Dioxane	9.47	88	11010	396.39	ug/l #	85
51) 4-Methyl-2-Pentanone	10.24	43	265642	102.99	ug/l	98
52) Toluene	10.41	92	241774	20.72	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	123438	20.79	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	147704	21.25	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	66928	20.75	ug/l	96
56) Ethyl methacrylate	10.67	69	77486	20.09	ug/l	98
57) 1,3-Dichloropropane	10.95	76	116197	21.00	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	123050	96.01	ug/l	98
59) 2-Hexanone	10.99	43	184392	103.64	ug/l	97
60) Dibromochloromethane	11.14	129	89663	20.80	ug/l	97
61) 1,2-Dibromoethane	11.25	107	65158	20.98	ug/l	100
64) Tetrachloroethene	10.88	164	91946	20.99	ug/l	97
65) Chlorobenzene	11.68	112	255594	20.76	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	99478	21.49	ug/l	98
67) Ethyl Benzene	11.75	91	451389	20.65	ug/l	98
68) m/p-Xylenes	11.86	106	348012	41.36	ug/l	98
69) o-Xylene	12.18	106	155873	20.87	ug/l	96
70) Styrene	12.20	104	273891	20.59	ug/l	99
71) Bromoform	12.37	173	52744	20.49	ug/l #	99
73) Isopropylbenzene	12.49	105	426831	21.27	ug/l	99
74) N-amyl acetate	12.30	43	91528	20.38	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	70737	20.97	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	94531	38.78	ug/l #	100
77) Bromobenzene	12.77	156	104687	21.32	ug/l	99
78) n-propylbenzene	12.83	91	506450	21.22	ug/l	100
79) 2-Chlorotoluene	12.91	91	277596	21.20	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	350897	21.33	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	24257	21.25	ug/l	97
82) 4-Chlorotoluene	13.01	91	297686	21.44	ug/l	98
83) tert-Butylbenzene	13.23	119	291151	20.86	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	348254	20.90	ug/l	99
85) sec-Butylbenzene	13.41	105	414089	20.95	ug/l	99
86) p-Isopropyltoluene	13.53	119	384408	20.79	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	195585	20.76	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	193958	20.74	ug/l	97
89) n-Butylbenzene	13.85	91	357004	21.15	ug/l	98
90) Hexachloroethane	14.12	117	75960	21.30	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	168151	21.02	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11475	21.26	ug/l	93

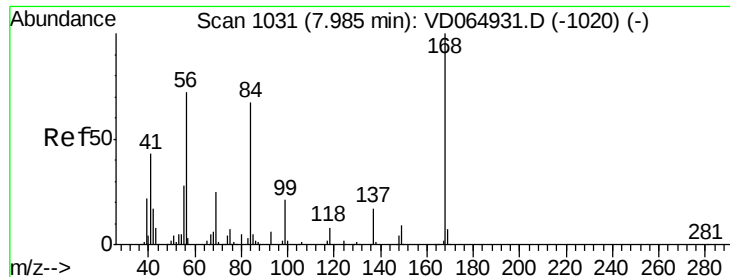
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD013120\
Data File : VD065027.D
Acq On : 31 Jan 2020 12:01
Operator : VA/SY
Sample : VD0131SBSD01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0131SBSD01

Quant Time: Jan 31 12:59:55 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 23 13:45:59 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	113679	20.54	ug/l	98
94) Hexachlorobutadiene	15.28	225	69837	19.95	ug/l	98
95) Naphthalene	15.41	128	178523	19.99	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	97580	20.34	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

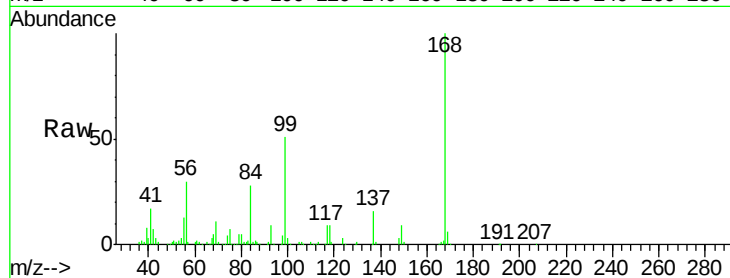
VD0131SBSD01

Tgt Ion:168 Resp: 467676

Ion Ratio Lower Upper

168 100

99 50.8 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

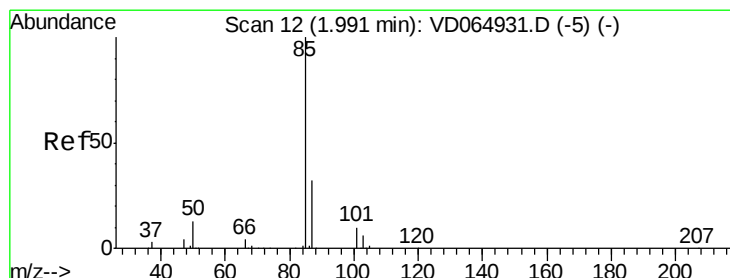
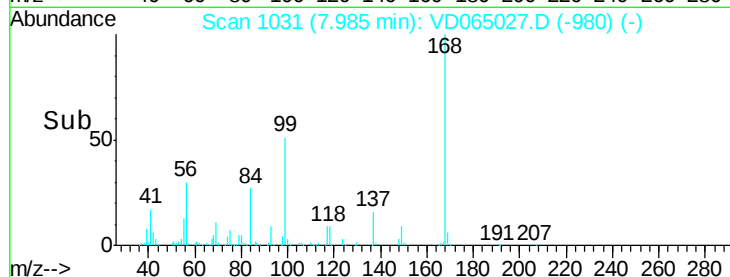
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.05 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065027.D

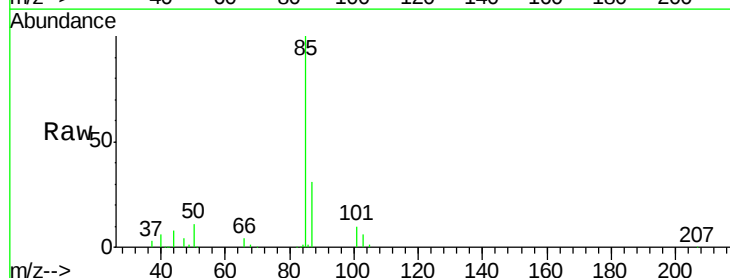
Acq: 31 Jan 2020 12:01

Tgt Ion: 85 Resp: 74177

Ion Ratio Lower Upper

85 100

87 30.8 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

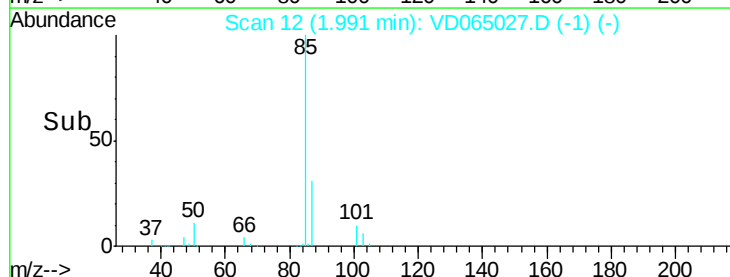
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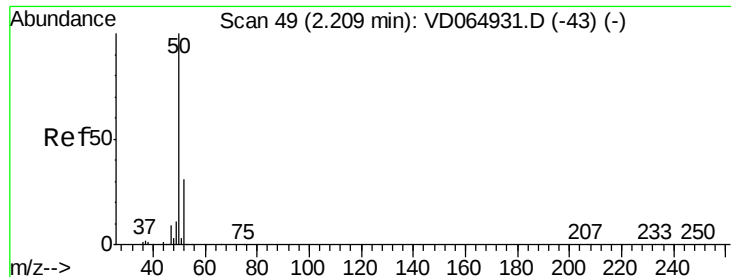
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 20.77 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

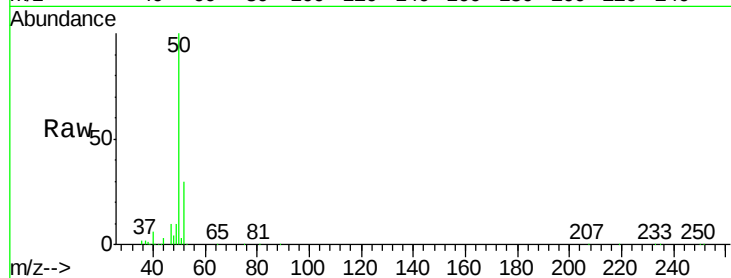
VD0131SBSD01

Tgt Ion: 50 Resp: 107238

Ion Ratio Lower Upper

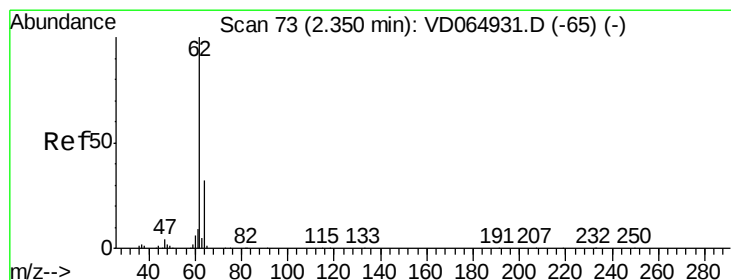
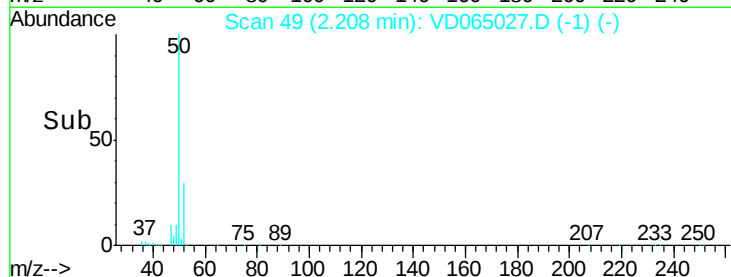
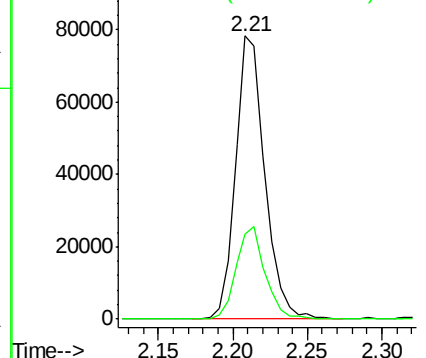
50 100

52 29.8 24.6 36.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.28 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065027.D

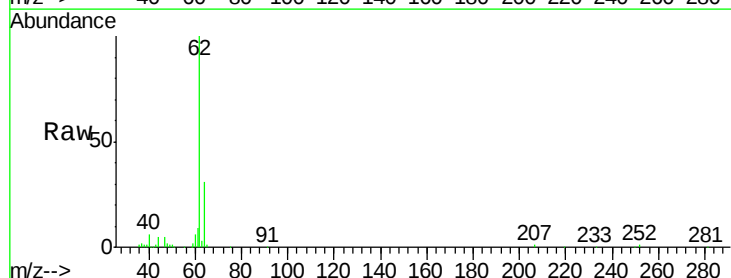
Acq: 31 Jan 2020 12:01

Tgt Ion: 62 Resp: 120251

Ion Ratio Lower Upper

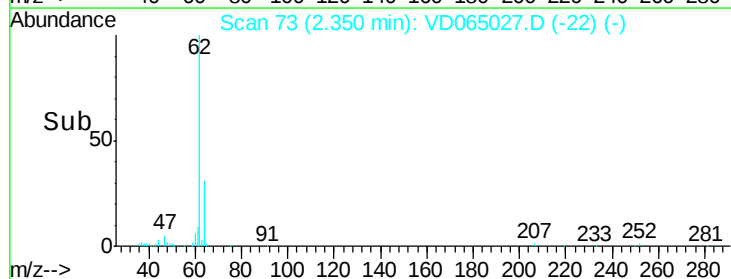
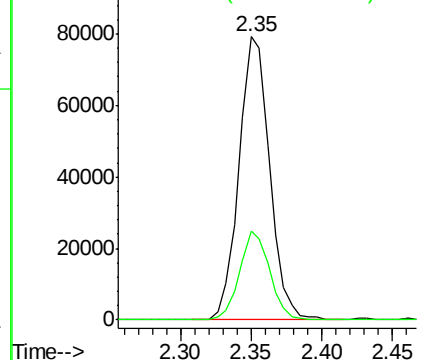
62 100

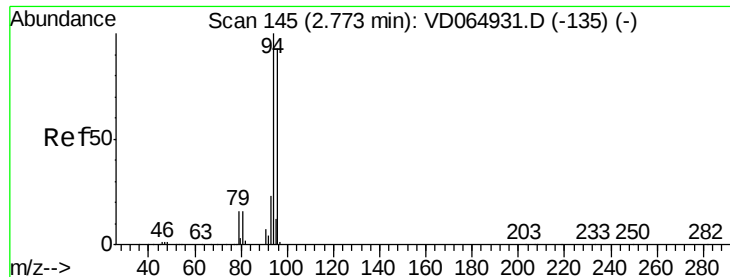
64 31.3 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.13 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

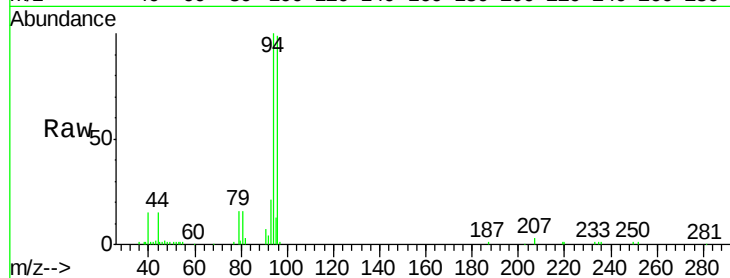
VD0131SBSD01

Tgt Ion: 94 Resp: 80306

Ion Ratio Lower Upper

94 100

96 98.8 74.6 111.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

40000

30000

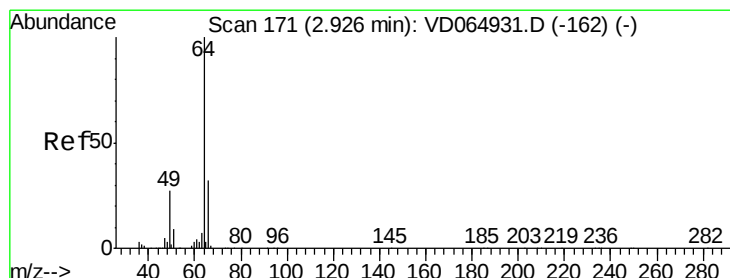
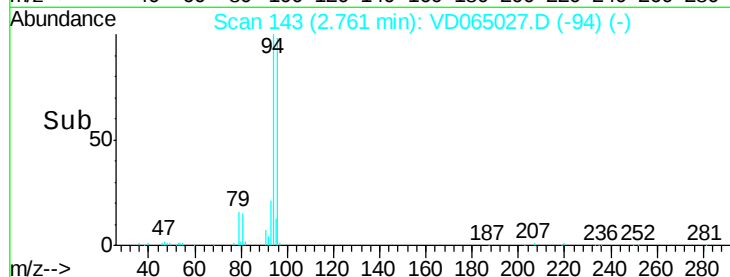
20000

10000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 20.08 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065027.D

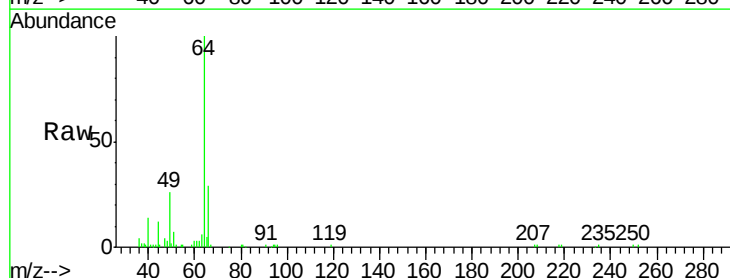
Acq: 31 Jan 2020 12:01

Tgt Ion: 64 Resp: 78527

Ion Ratio Lower Upper

64 100

66 29.2 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

40000

30000

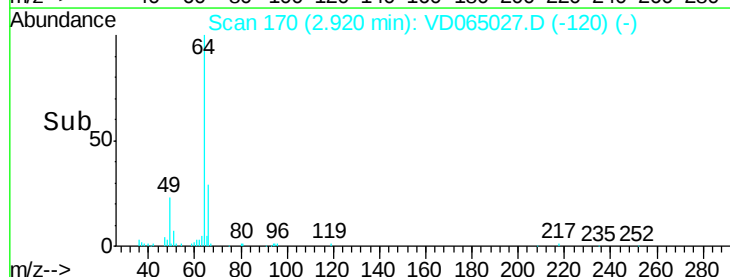
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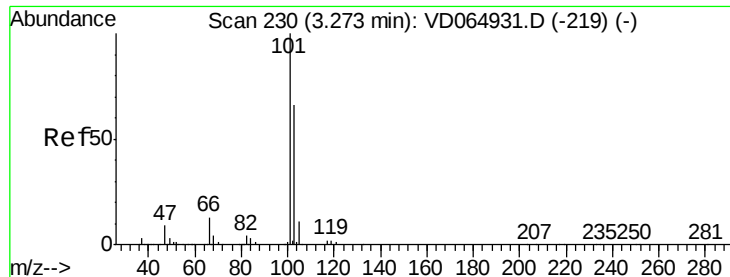
10000

0

Time-->

2.80 2.90 3.00





#7

Trichlorofluoromethane

Concen: 20.36 ug/l

RT: 3.27 min Scan# 230

Delta R.T. -0.00 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

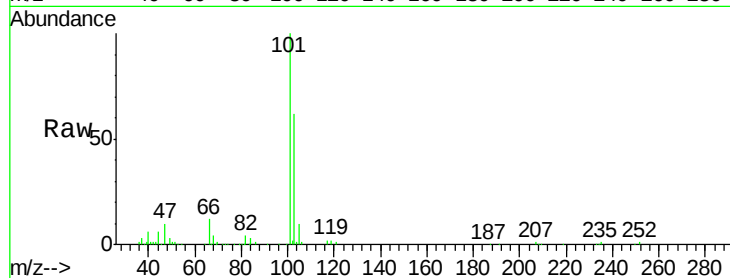
VD0131SBSD01

Tgt Ion:101 Resp: 186468

Ion Ratio Lower Upper

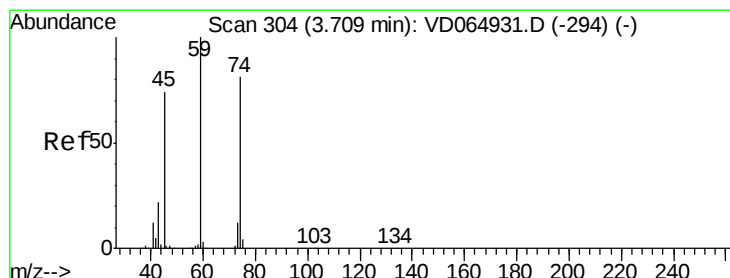
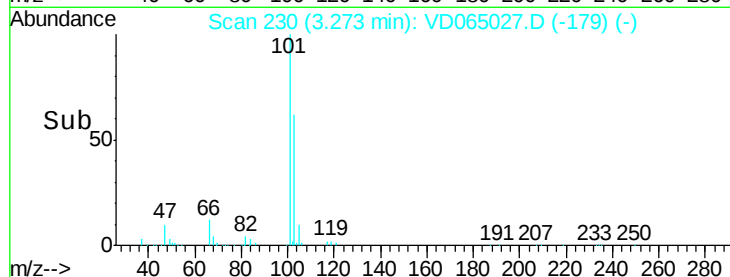
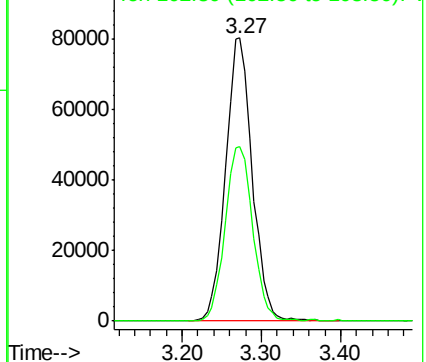
101 100

103 61.7 52.5 78.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 20.85 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD065027.D

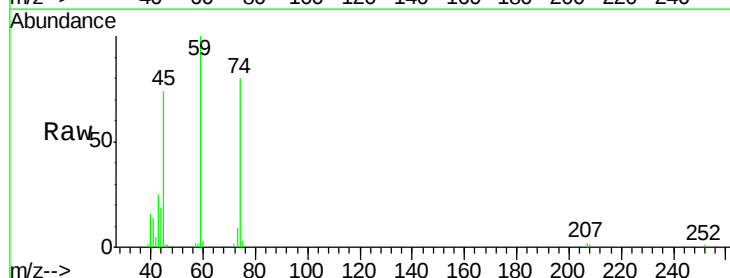
Acq: 31 Jan 2020 12:01

Tgt Ion: 74 Resp: 43107

Ion Ratio Lower Upper

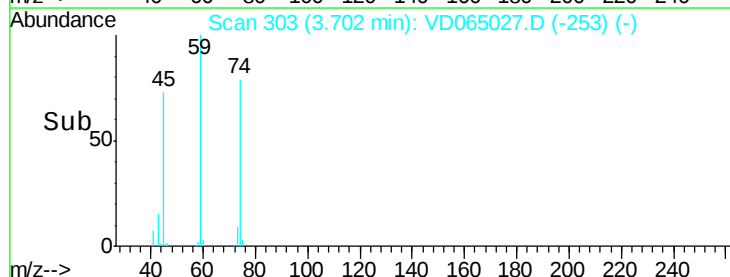
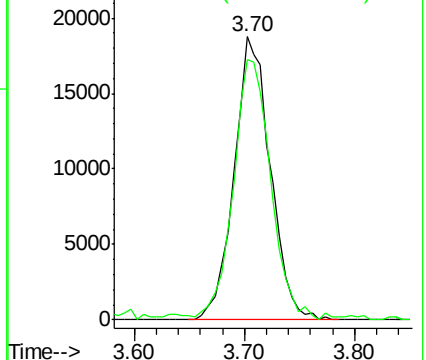
74 100

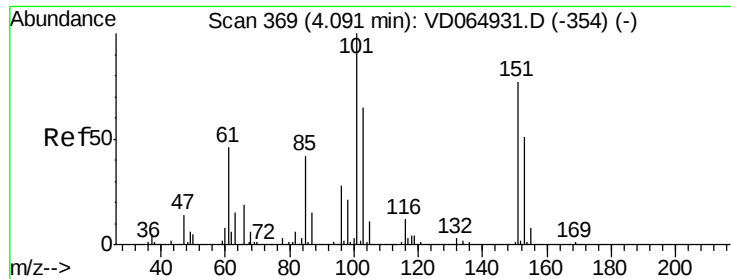
45 95.1 48.5 145.5



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.01 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0131SBSD01

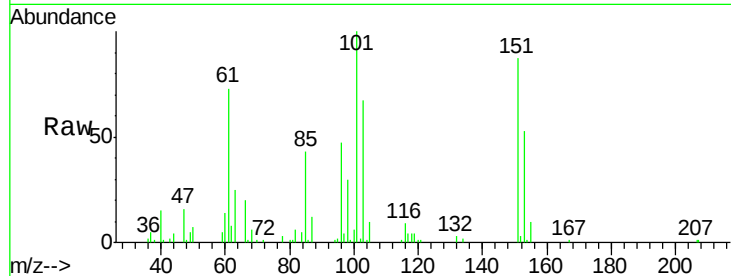
Tgt Ion:101 Resp: 93774

Ion Ratio Lower Upper

101 100

85 43.9 35.0 52.4

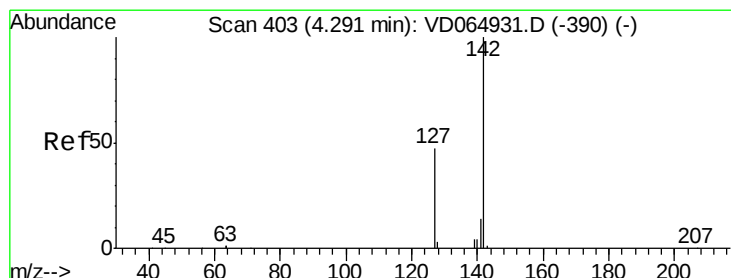
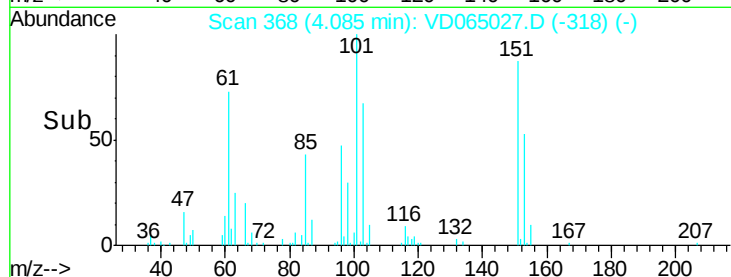
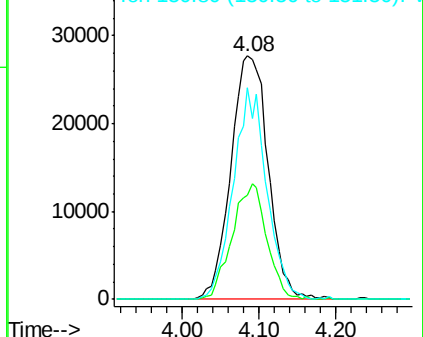
151 78.0 64.6 96.8



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: 19.58 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

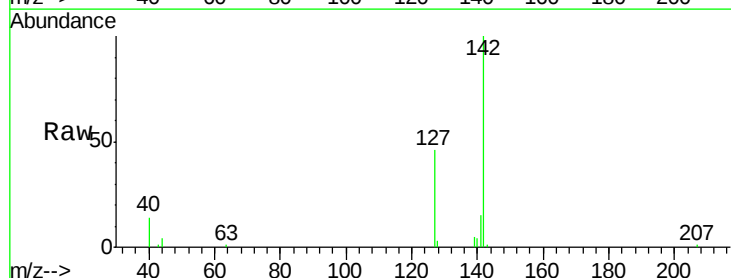
Tgt Ion:142 Resp: 88585

Ion Ratio Lower Upper

142 100

127 44.8 36.2 54.2

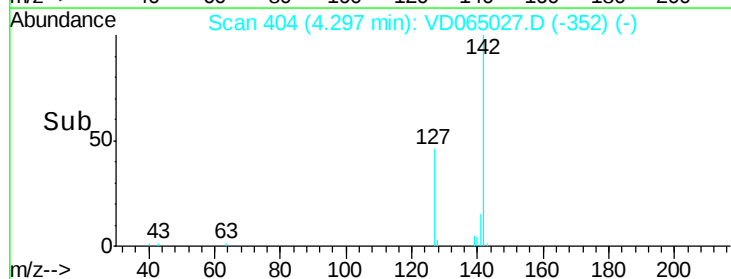
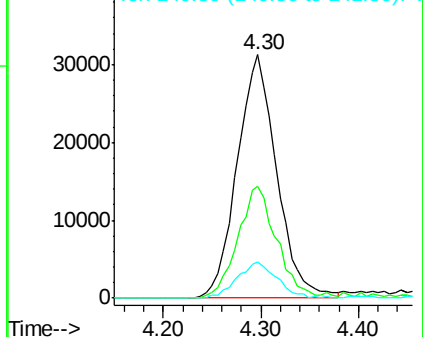
141 14.7 11.6 17.4

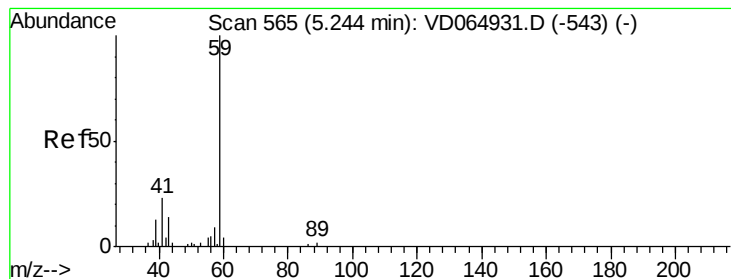


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 90.84 ug/l

RT: 5.24 min Scan# 564

Delta R.T. -0.01 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

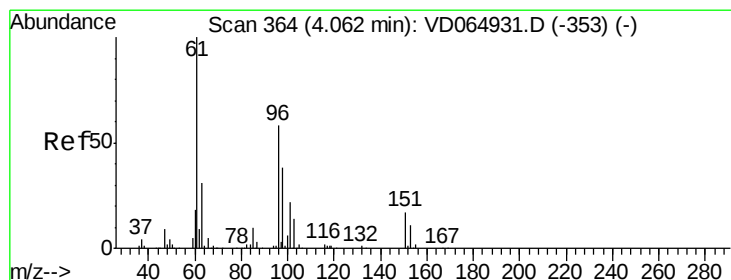
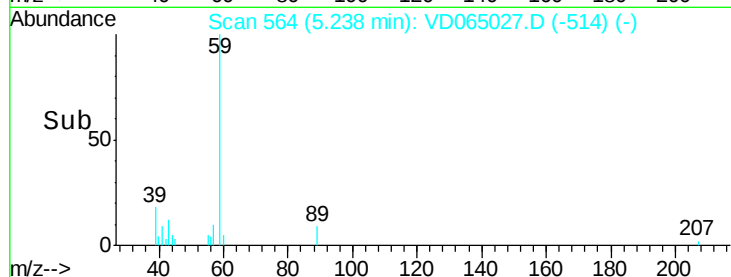
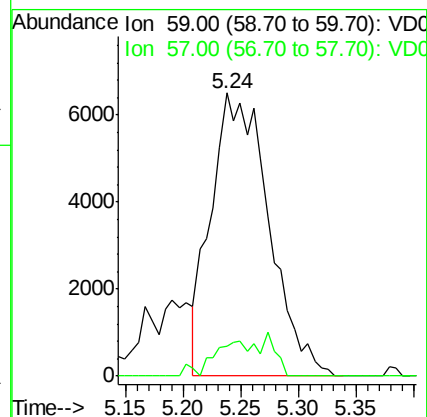
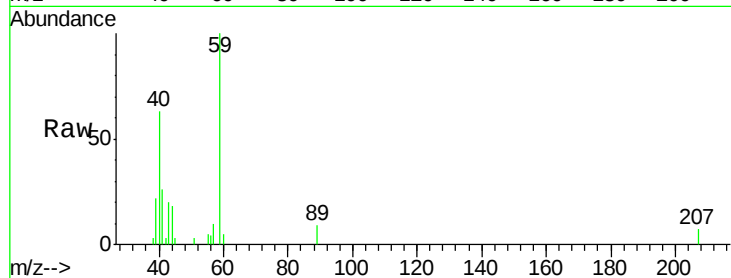
VD0131SBSD01

Tgt Ion: 59 Resp: 22520

Ion Ratio Lower Upper

59 100

57 7.5 7.7 11.5#



#12

1,1-Dichloroethene

Concen: 20.76 ug/l

RT: 4.06 min Scan# 363

Delta R.T. -0.01 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

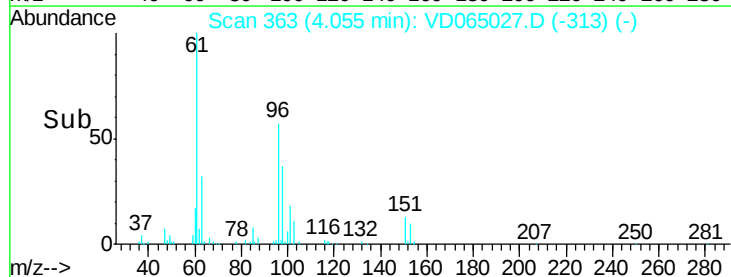
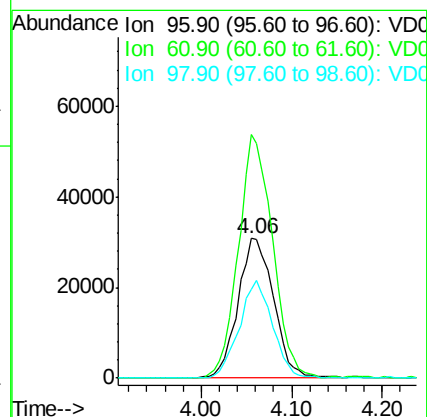
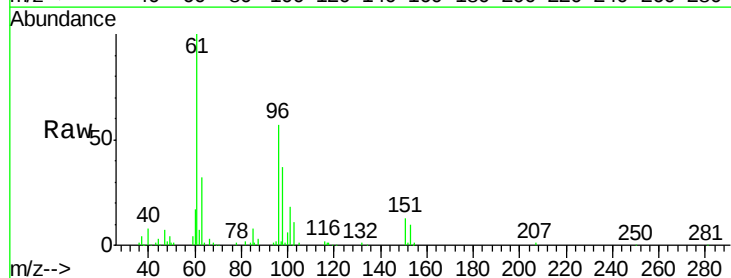
Tgt Ion: 96 Resp: 84520

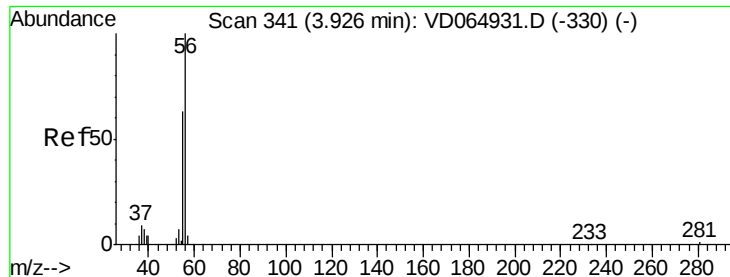
Ion Ratio Lower Upper

96 100

61 174.6 137.0 205.4

98 63.7 52.1 78.1





#13

Acrolein

Concen: 75.56 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

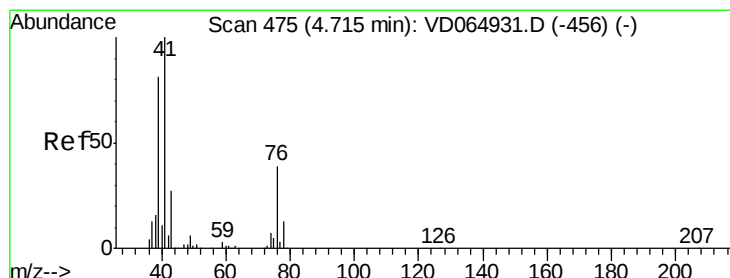
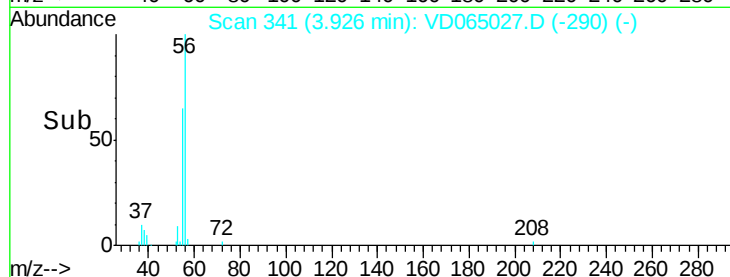
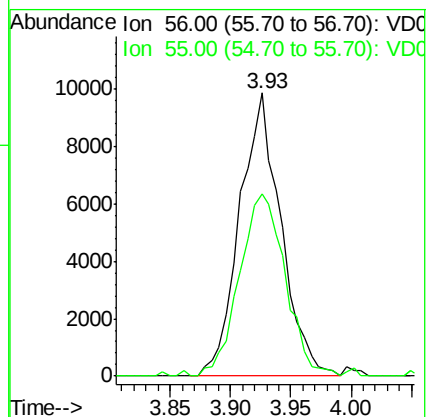
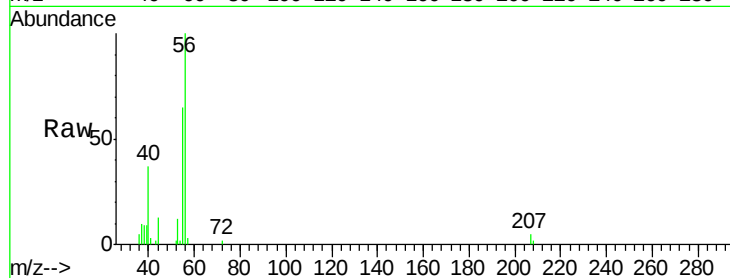
VD0131SBSD01

Tgt Ion: 56 Resp: 23482

Ion Ratio Lower Upper

56 100

55 71.7 59.7 89.5



#14

Allyl chloride

Concen: 21.25 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

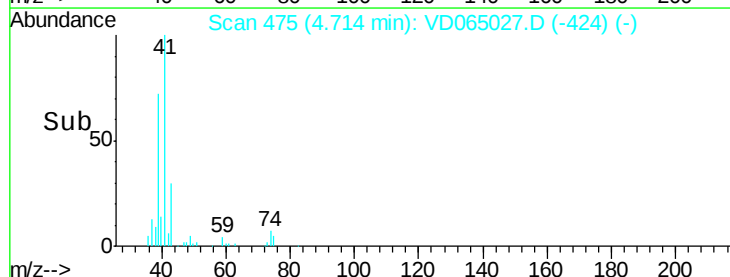
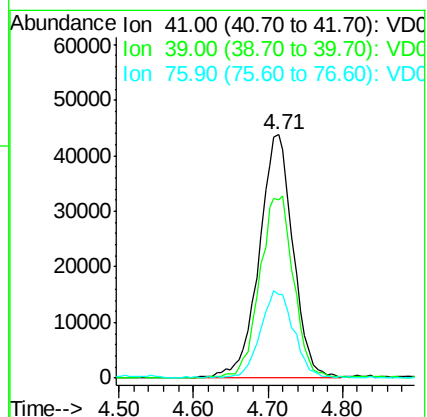
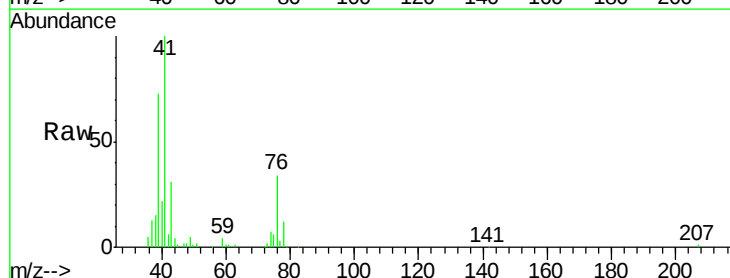
Tgt Ion: 41 Resp: 137994

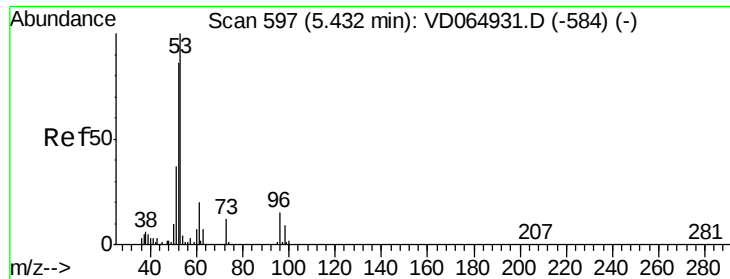
Ion Ratio Lower Upper

41 100

39 74.8 62.0 93.0

76 35.4 29.3 43.9





#15

Acrylonitrile

Concen: 104.57 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0131SBSD01

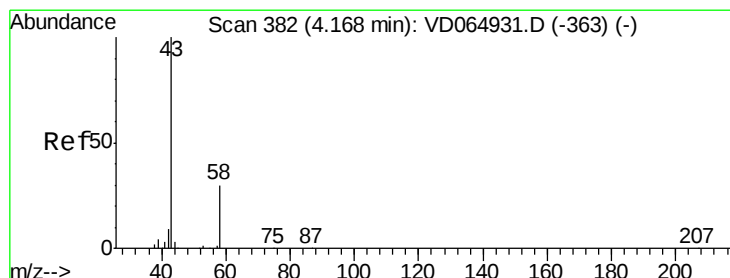
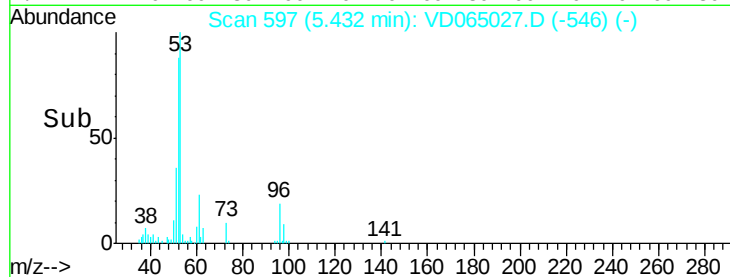
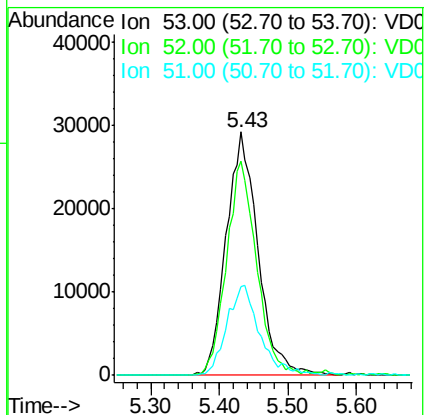
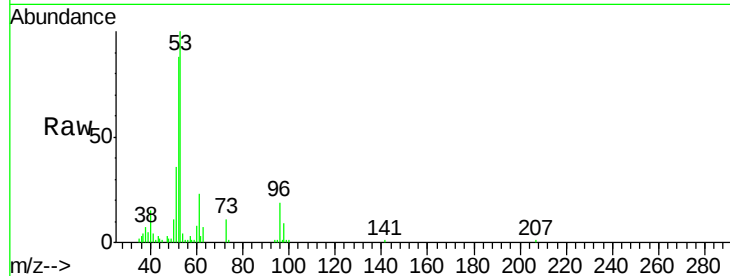
Tgt Ion: 53 Resp: 93638

Ion Ratio Lower Upper

53 100

52 83.2 66.7 100.1

51 37.9 31.1 46.7



#16

Acetone

Concen: 94.08 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065027.D

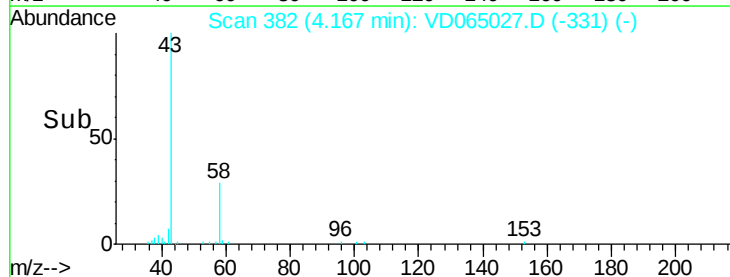
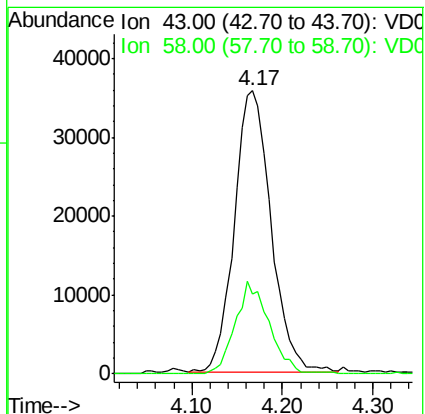
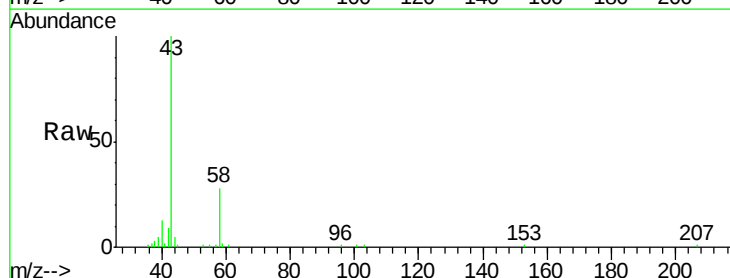
Acq: 31 Jan 2020 12:01

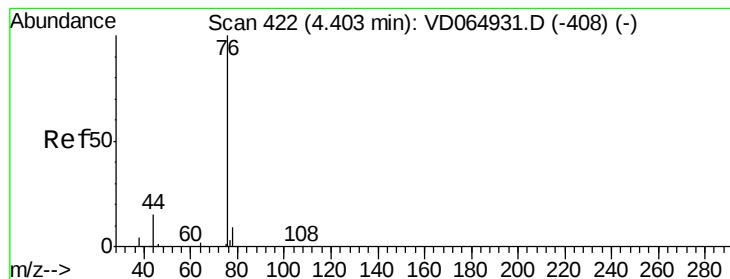
Tgt Ion: 43 Resp: 101102

Ion Ratio Lower Upper

43 100

58 28.5 23.8 35.8





#17

Carbon Disulfide

Concen: 20.59 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

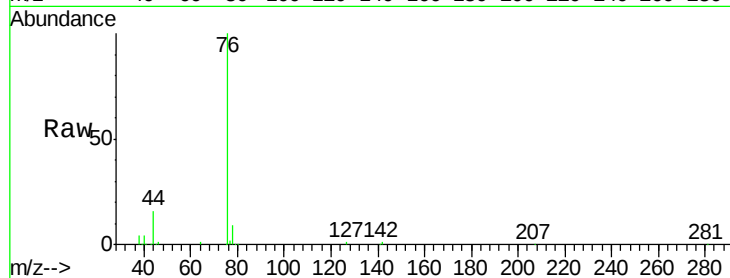
VD0131SBSD01

Tgt Ion: 76 Resp: 275881

Ion Ratio Lower Upper

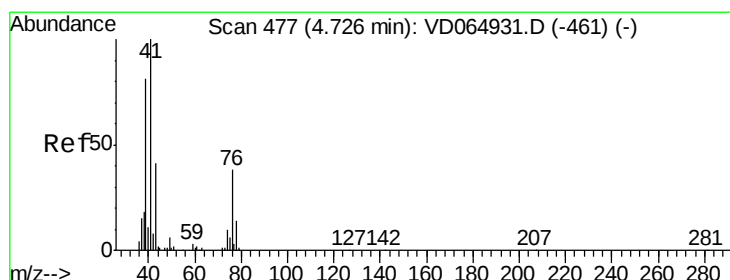
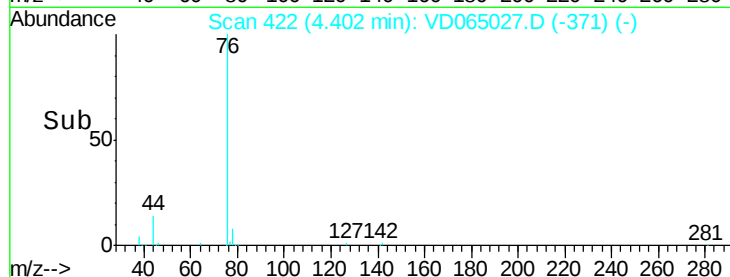
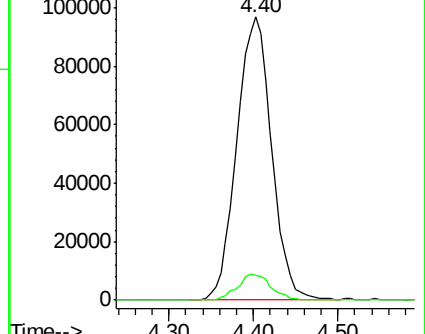
76 100

78 8.9 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 23.00 ug/l

RT: 4.73 min Scan# 477

Delta R.T. -0.00 min

Lab File: VD065027.D

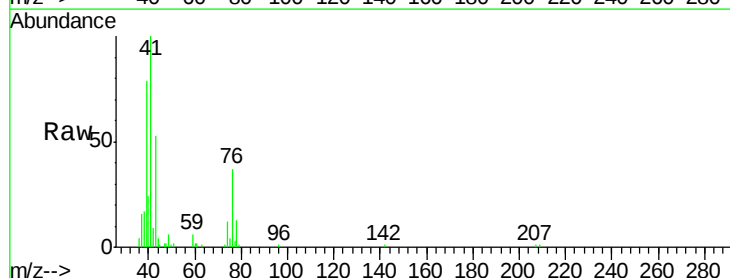
Acq: 31 Jan 2020 12:01

Tgt Ion: 43 Resp: 48331

Ion Ratio Lower Upper

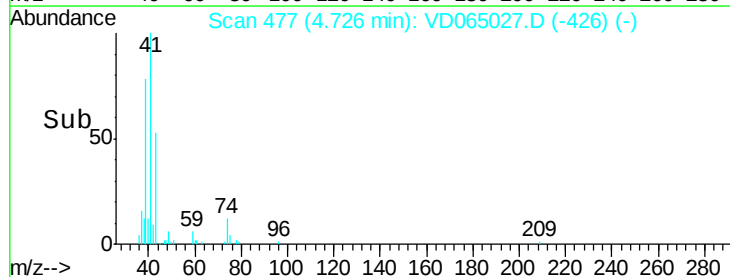
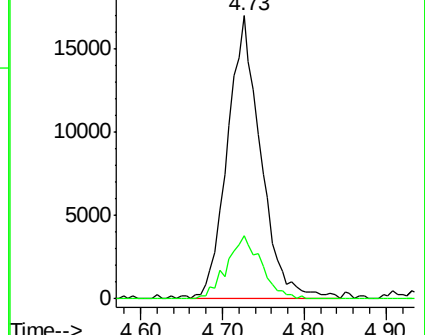
43 100

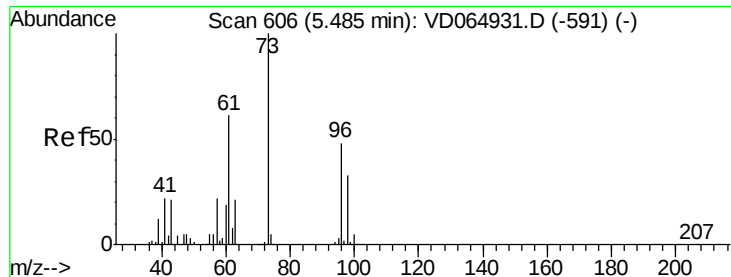
74 23.0 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

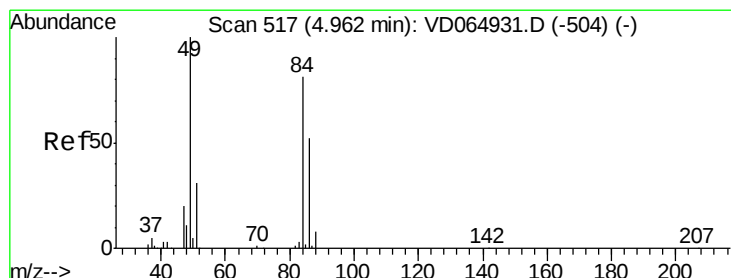
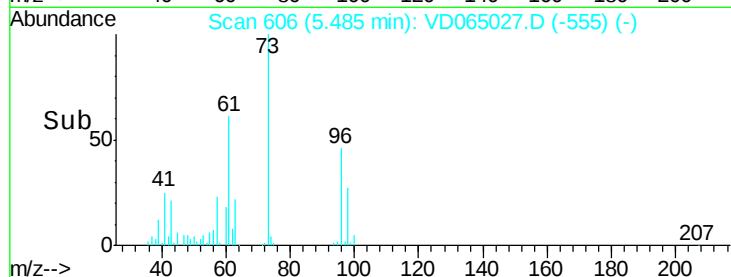
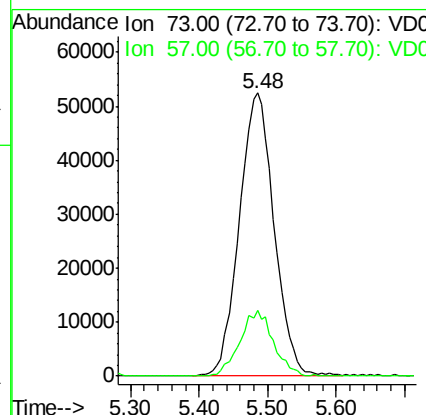
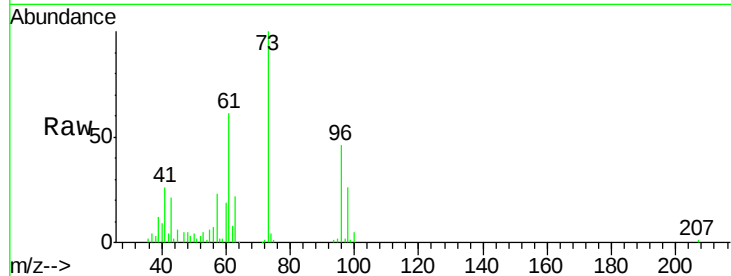




#19
Methyl tert-butyl Ether
Concen: 20.32 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

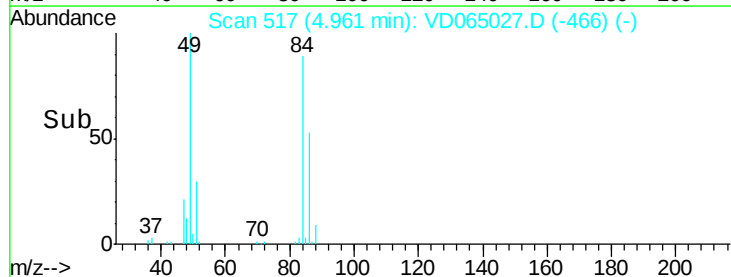
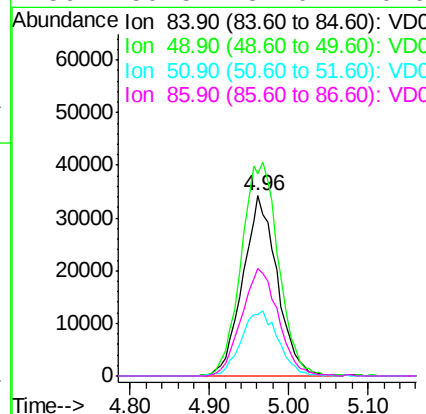
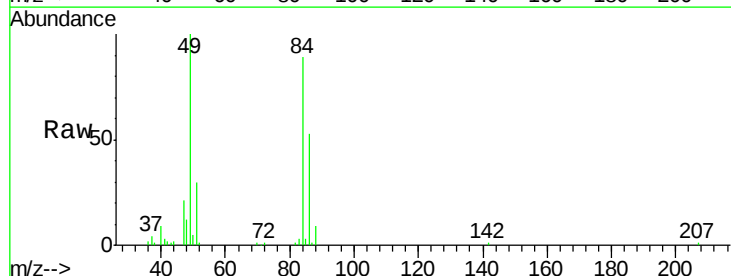
Instrument :
MSVOA_D
ClientSampleId :
VD0131SBSD01

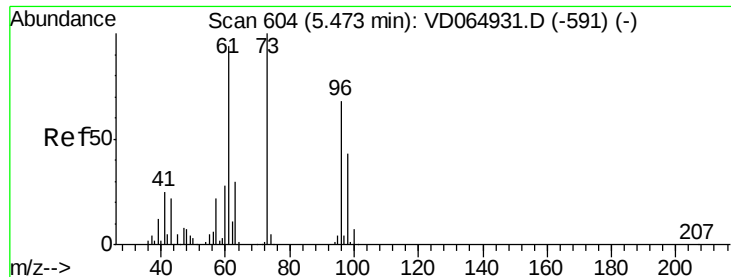
Tgt Ion: 73 Resp: 184876
Ion Ratio Lower Upper
73 100
57 23.4 17.9 26.9



#20
Methylene Chloride
Concen: 19.78 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Tgt Ion: 84 Resp: 103170
Ion Ratio Lower Upper
84 100
49 112.7 98.4 147.6
51 34.0 30.8 46.2
86 59.5 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 20.73 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0131SBSD01

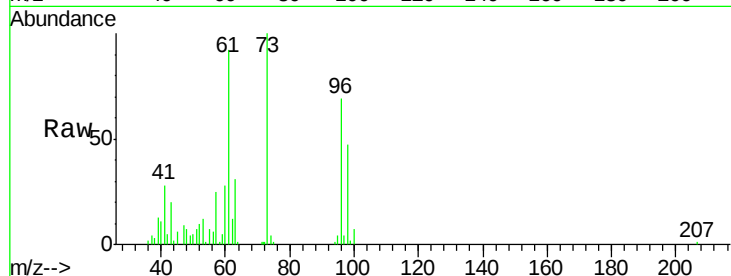
Tgt Ion: 96 Resp: 97234

Ion Ratio Lower Upper

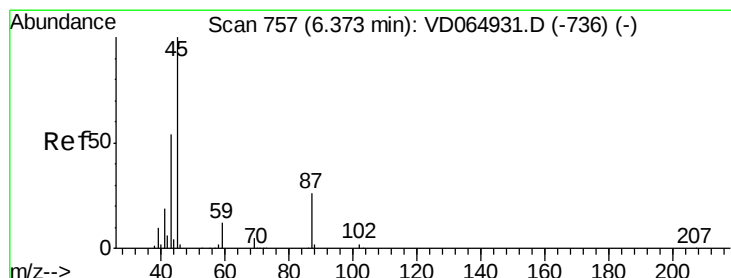
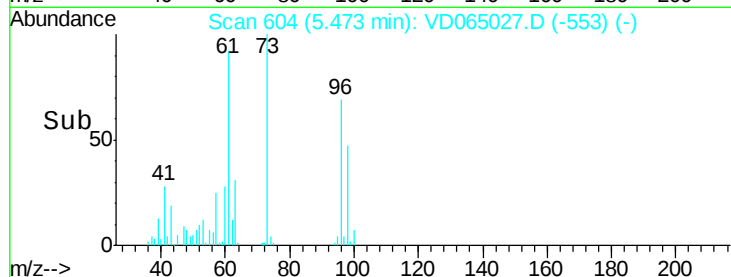
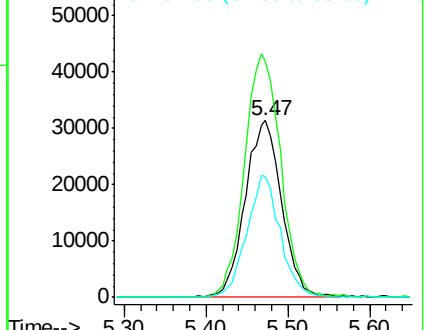
96 100

61 133.3 110.4 165.6

98 68.0 50.5 75.7



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: 21.39 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Tgt Ion: 45 Resp: 276829

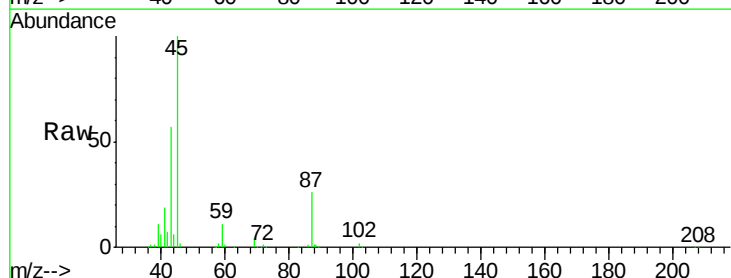
Ion Ratio Lower Upper

45 100

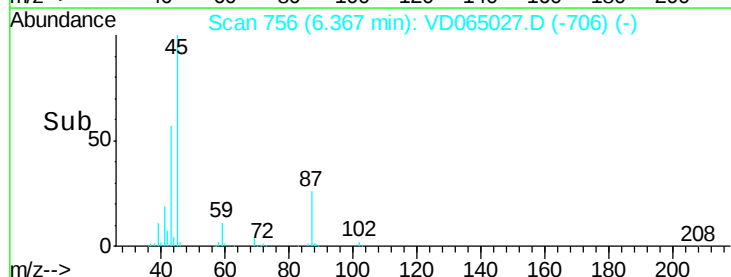
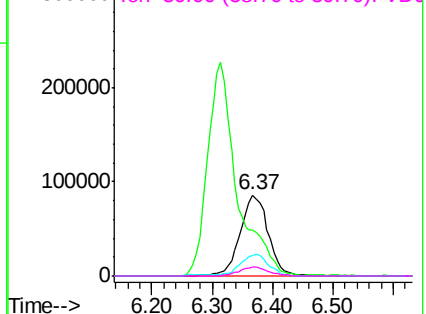
43 55.9 43.1 64.7

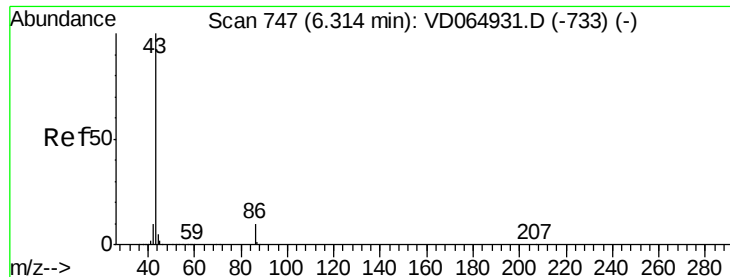
87 25.8 21.4 32.2

59 10.5 9.5 14.3



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: 100.73 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

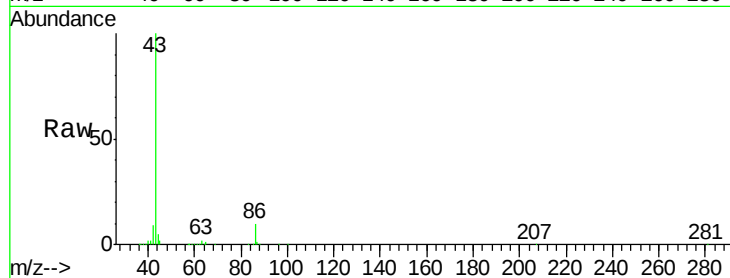
VD0131SBSD01

Tgt Ion: 43 Resp: 763104

Ion Ratio Lower Upper

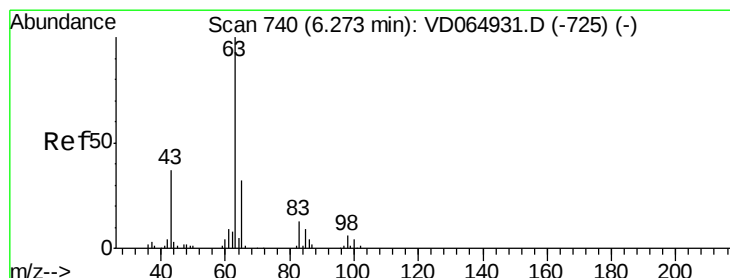
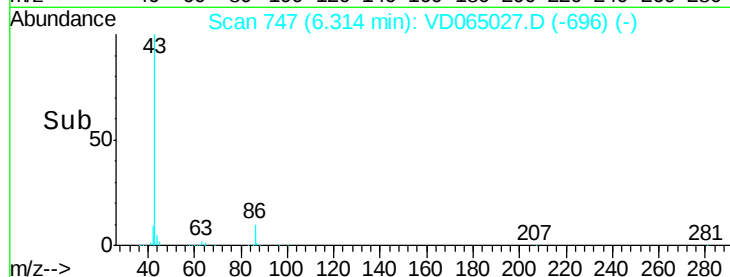
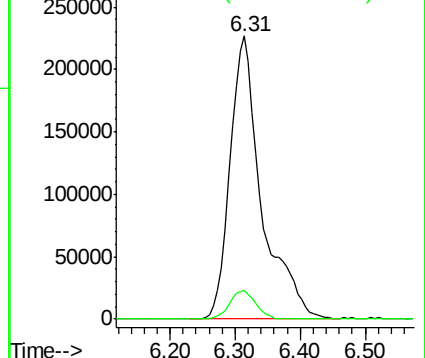
43 100

86 9.8 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.41 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

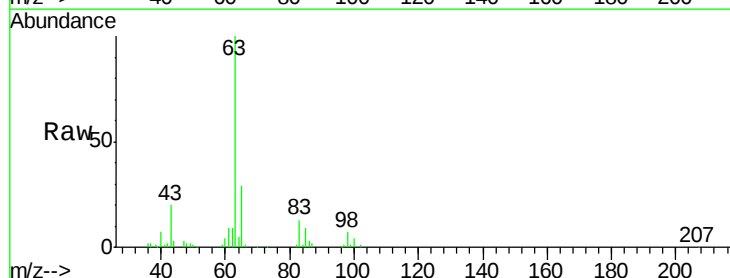
Tgt Ion: 63 Resp: 170123

Ion Ratio Lower Upper

63 100

98 6.7 3.1 9.3

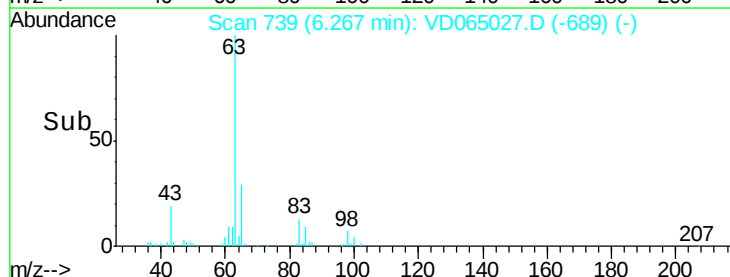
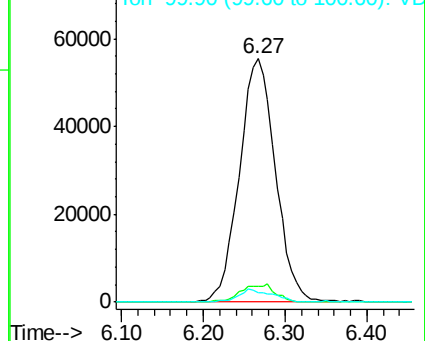
100 3.9 2.3 6.8

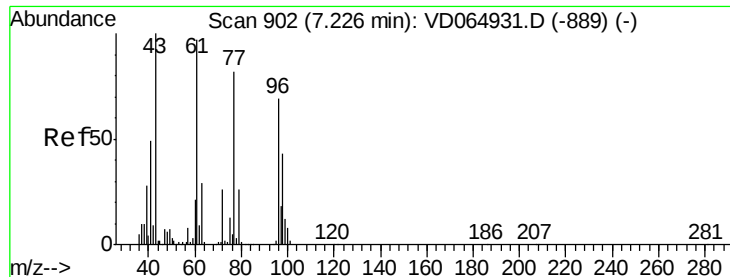


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 103.02 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

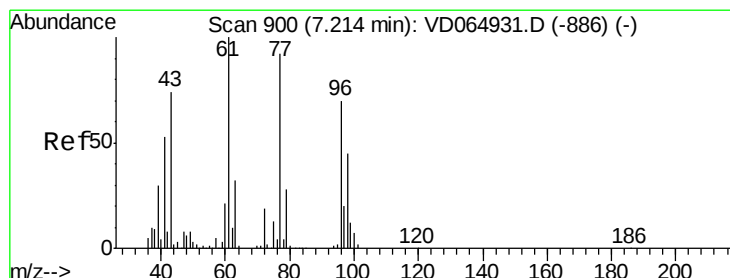
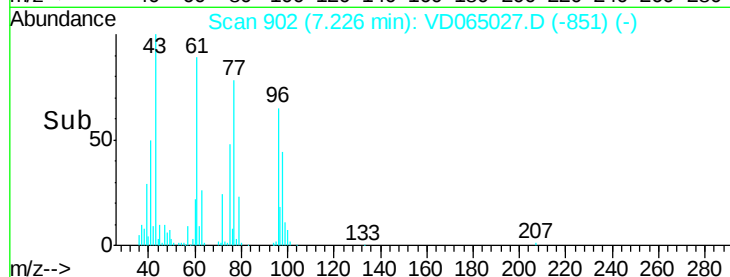
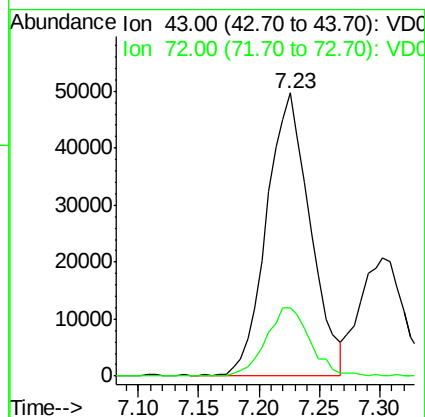
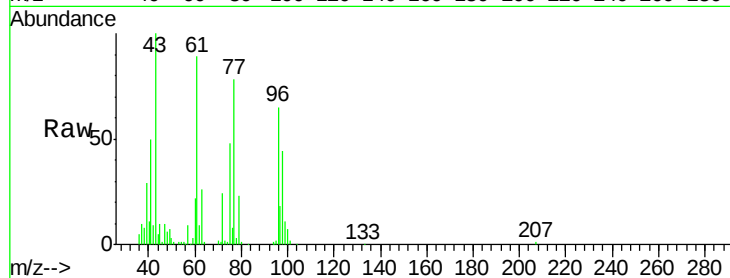
VD0131SBSD01

Tgt Ion: 43 Resp: 124859

Ion Ratio Lower Upper

43 100

72 24.1 20.6 31.0



#26

2,2-Dichloropropane

Concen: 21.38 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065027.D

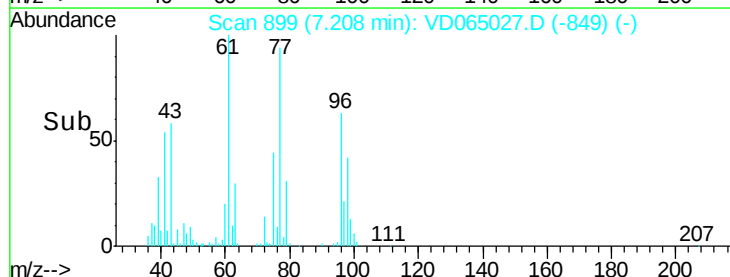
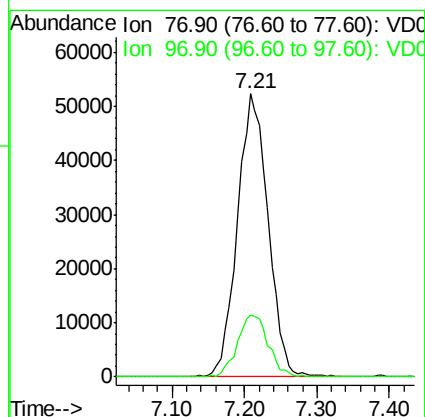
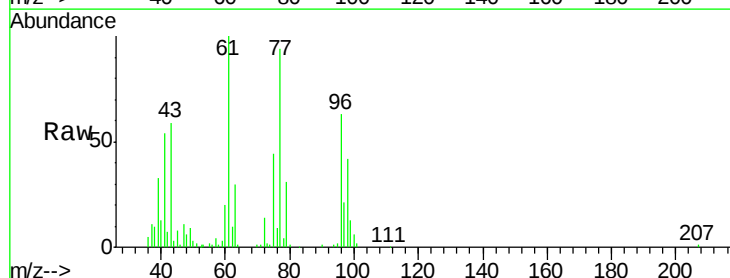
Acq: 31 Jan 2020 12:01

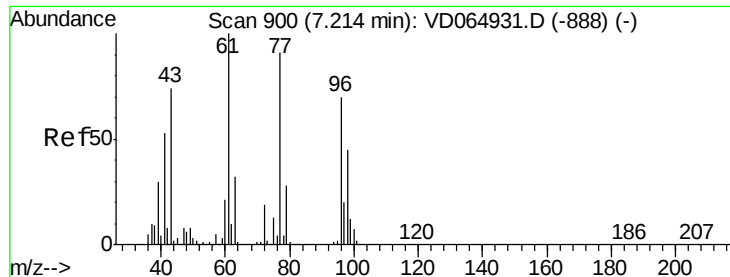
Tgt Ion: 77 Resp: 154105

Ion Ratio Lower Upper

77 100

97 21.9 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 20.76 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0131SBSD01

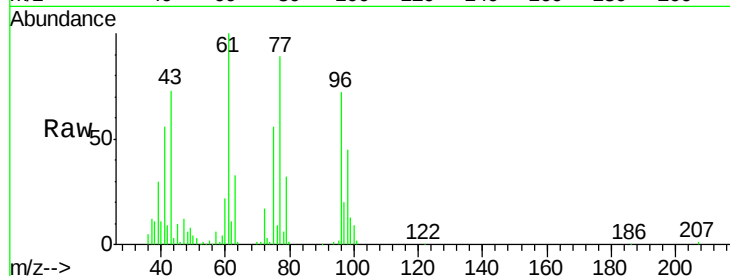
Tgt Ion: 96 Resp: 103952

Ion Ratio Lower Upper

96 100

61 146.2 0.0 292.8

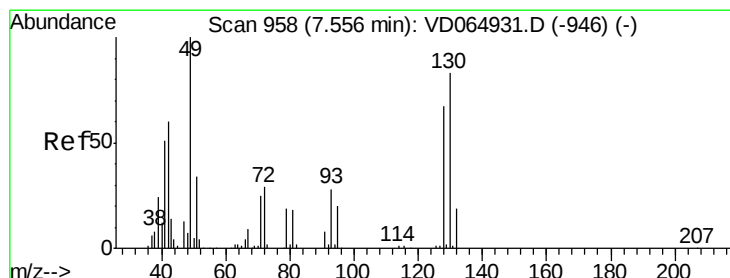
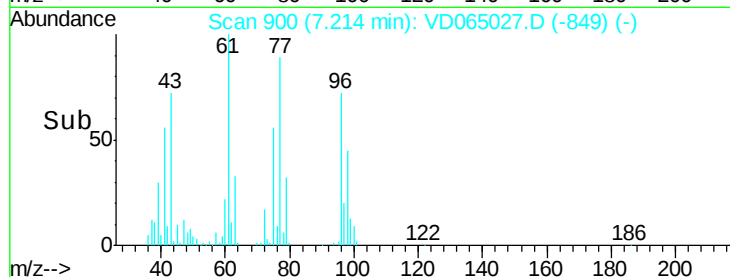
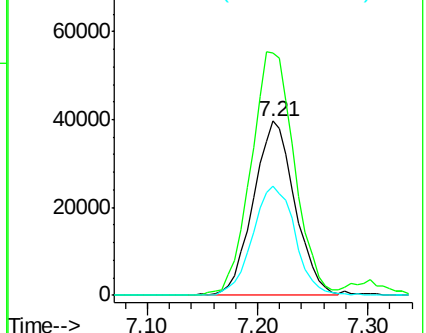
98 64.7 0.0 130.0



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#28

Bromochloromethane

Concen: 17.97 ug/l

RT: 7.55 min Scan# 957

Delta R.T. -0.01 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

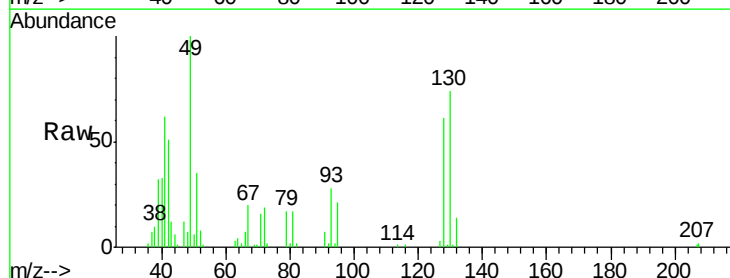
Tgt Ion: 49 Resp: 57082

Ion Ratio Lower Upper

49 100

129 1.0 0.0 4.4

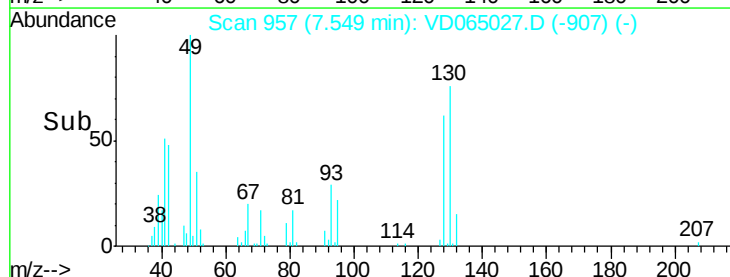
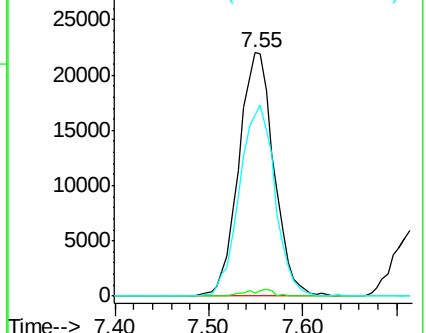
130 79.0 63.8 95.8

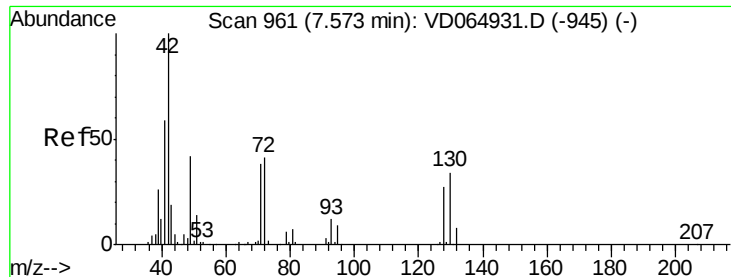


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

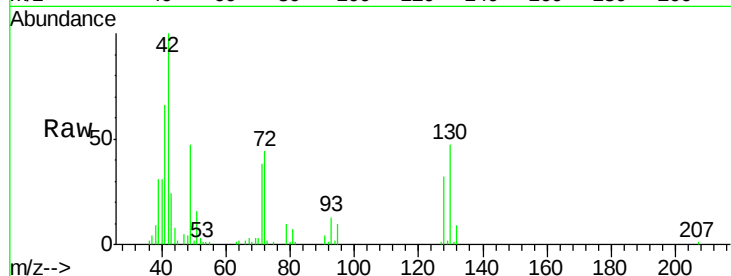




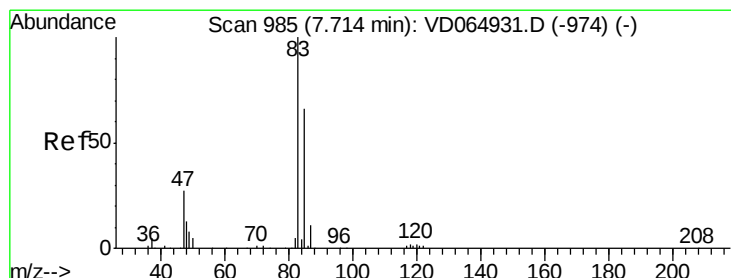
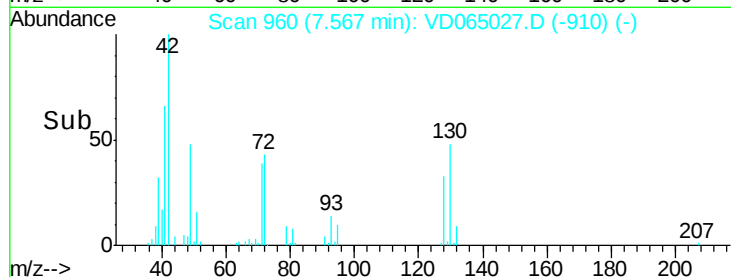
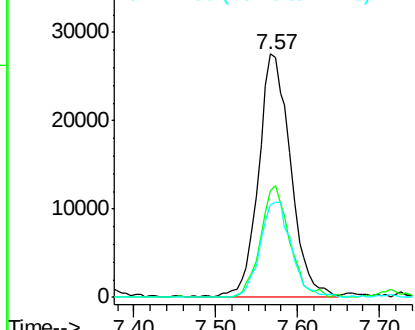
#29
Tetrahydrofuran
Concen: 100.91 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0131SBSD01

Tgt Ion: 42 Resp: 75460
Ion Ratio Lower Upper
42 100
72 41.5 34.0 51.0
71 38.0 31.5 47.3

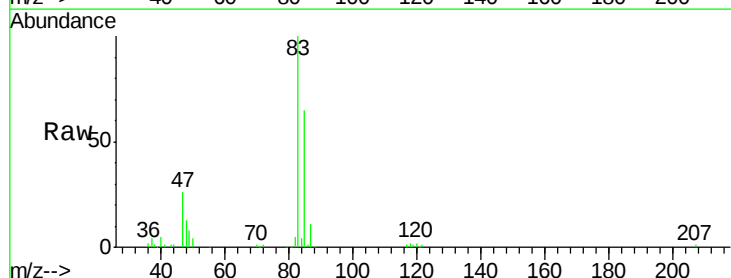


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

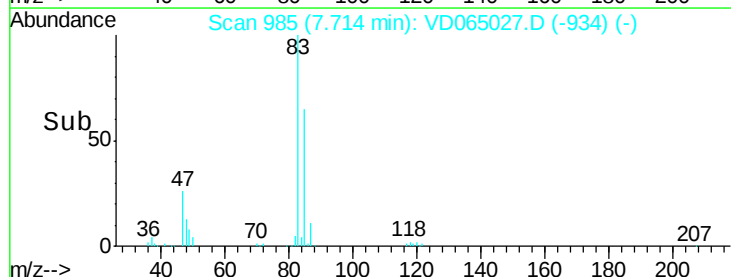
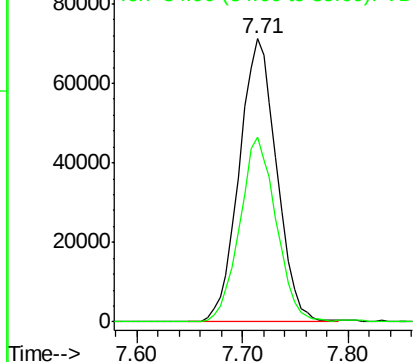


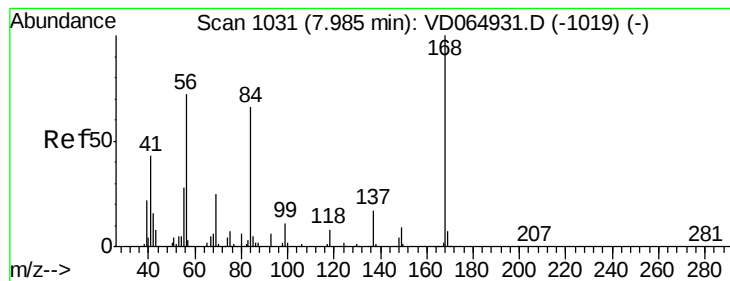
#30
Chloroform
Concen: 21.27 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Tgt Ion: 83 Resp: 174678
Ion Ratio Lower Upper
83 100
85 65.5 52.4 78.6



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





#31

Cyclohexane

Concen: 20.77 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0131SBS01

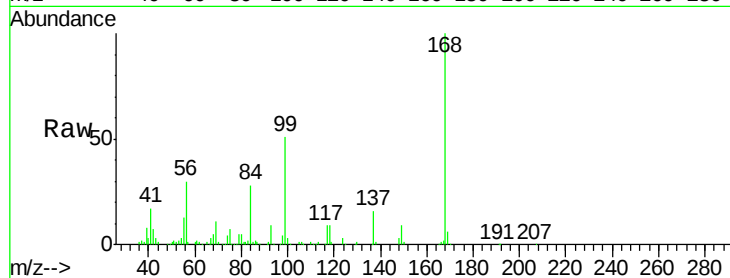
Tgt Ion: 56 Resp: 162328

Ion Ratio Lower Upper

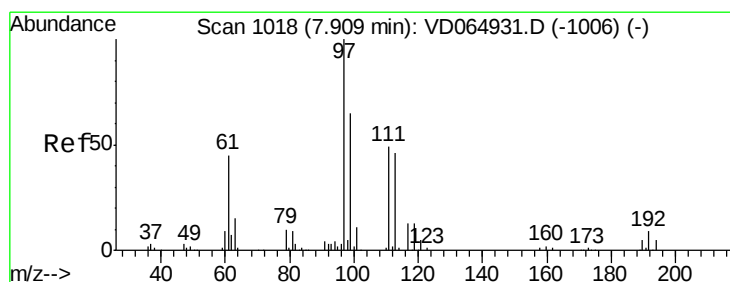
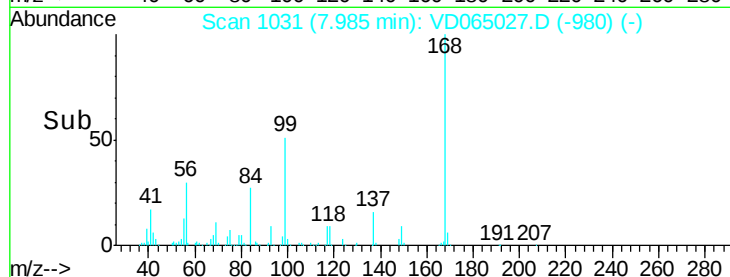
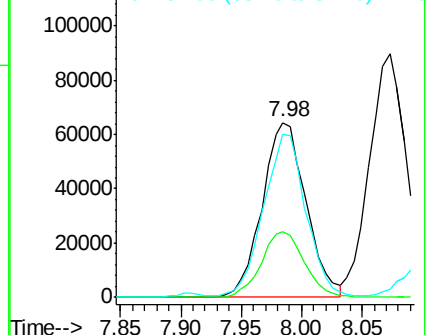
56 100

69 37.9 27.9 41.9

84 90.7 72.8 109.2



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: 21.19 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

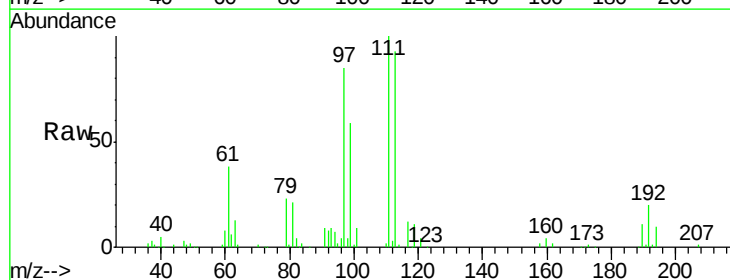
Tgt Ion: 97 Resp: 161906

Ion Ratio Lower Upper

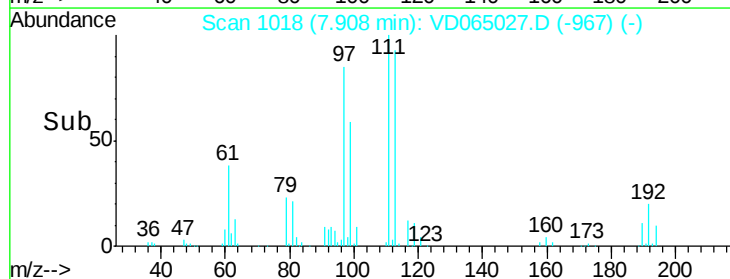
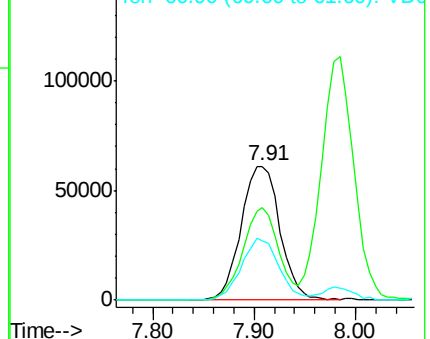
97 100

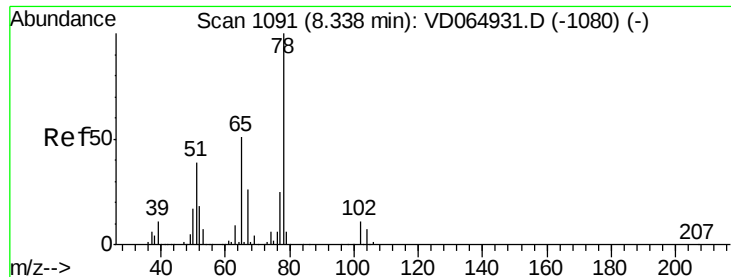
99 64.3 50.6 76.0

61 44.9 35.7 53.5



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

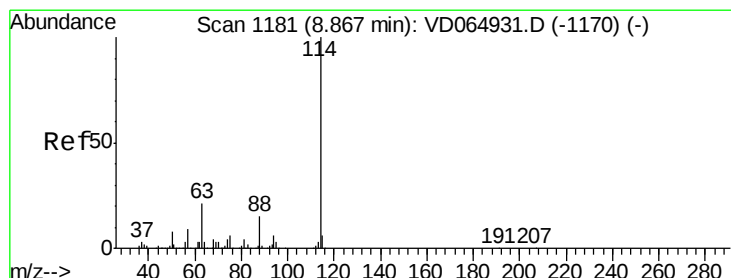
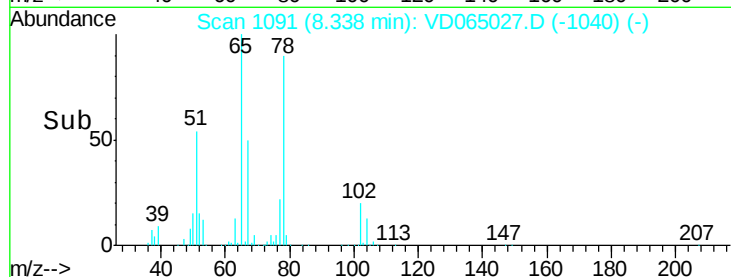
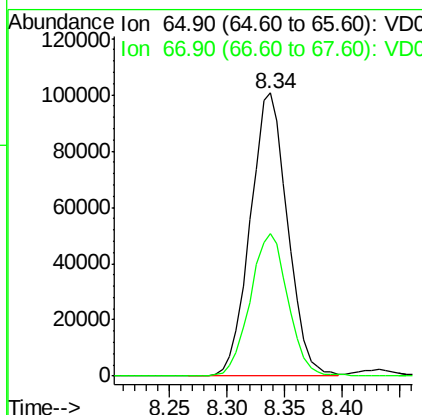
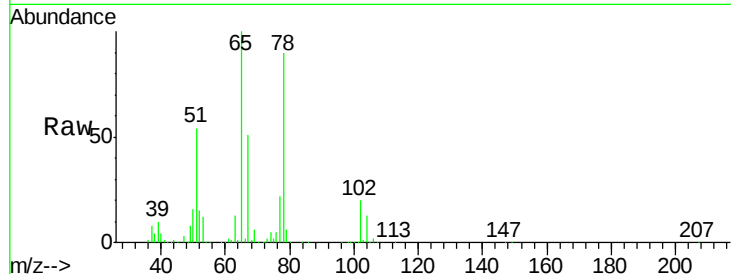




#33
 1,2-Dichloroethane-d4
 Concen: 50.50 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065027.D
 Acq: 31 Jan 2020 12:01

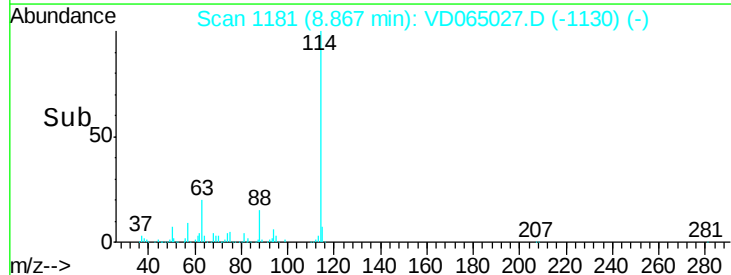
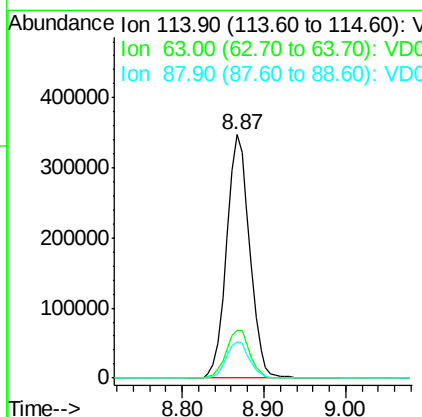
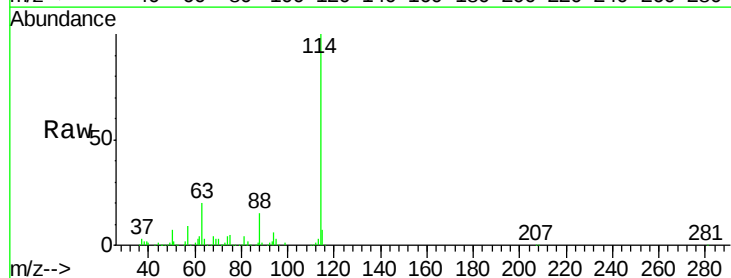
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0131SBSD01

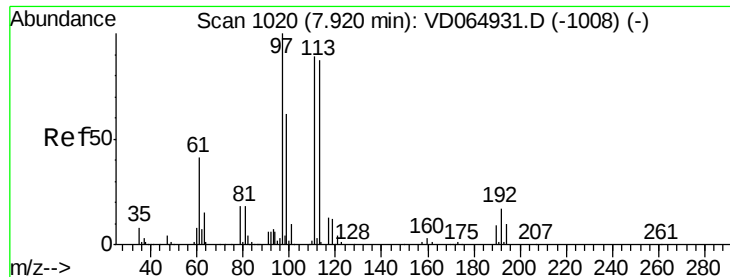
Tgt Ion: 65 Resp: 226525
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065027.D
 Acq: 31 Jan 2020 12:01

Tgt Ion: 114 Resp: 681348
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 42.0
 88 14.7 0.0 29.4





#35

Dibromofluoromethane

Concen: 51.53 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0131SBSD01

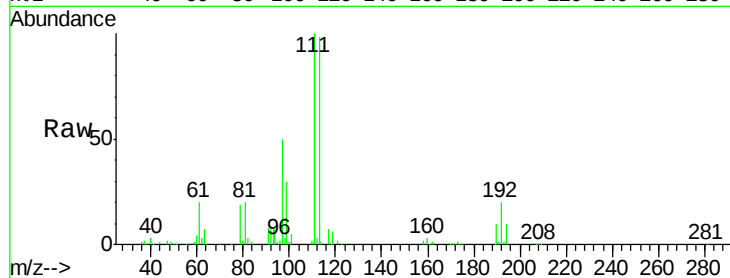
Tgt Ion:113 Resp: 220628

Ion Ratio Lower Upper

113 100

111 103.3 82.4 123.6

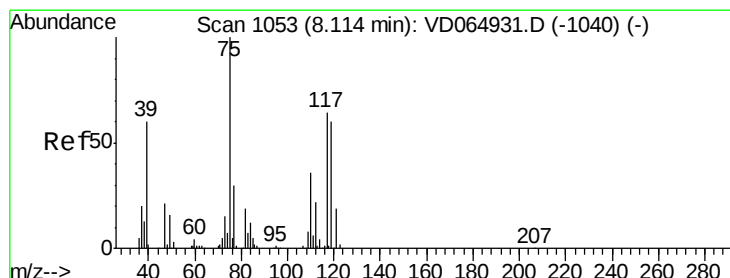
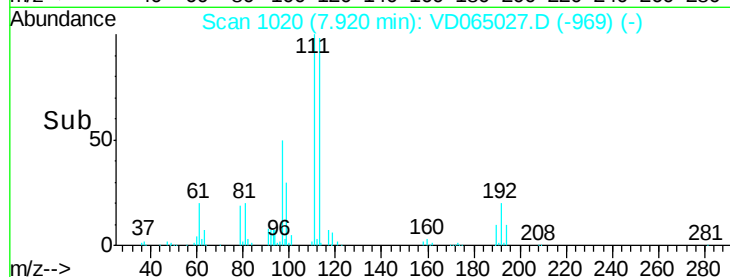
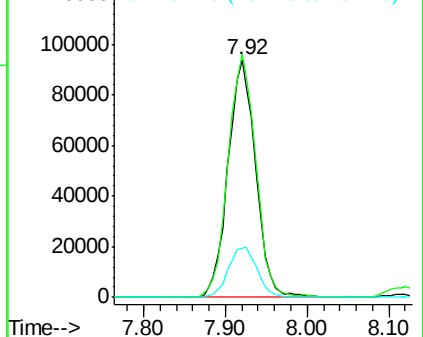
192 21.8 16.9 25.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 21.15 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

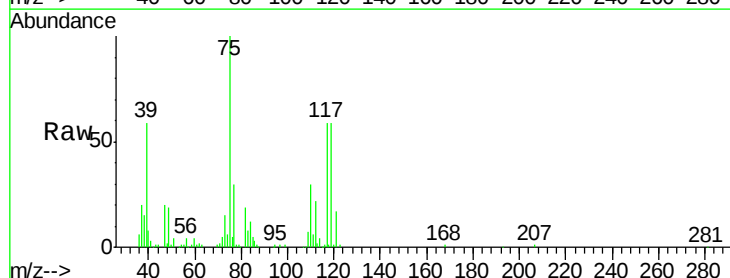
Tgt Ion: 75 Resp: 138962

Ion Ratio Lower Upper

75 100

110 36.7 17.3 52.0

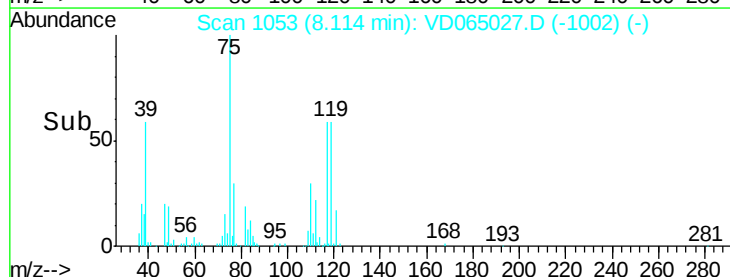
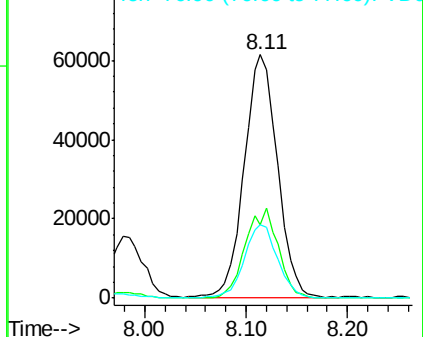
77 30.7 24.7 37.1

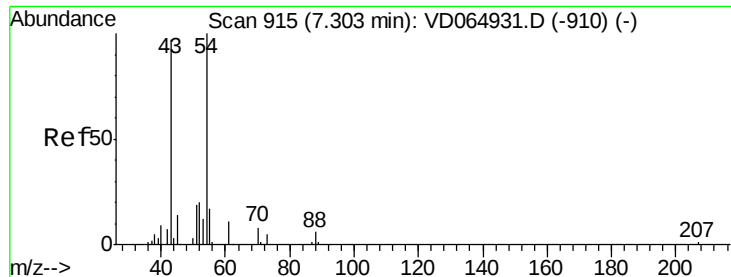


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

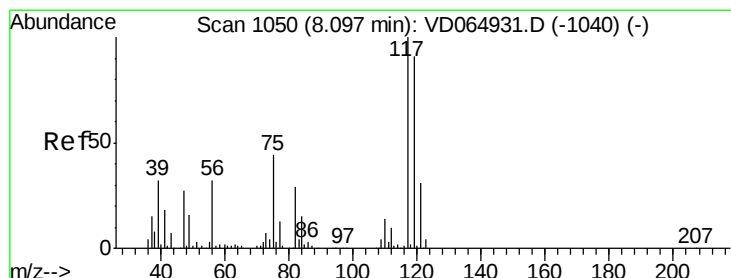
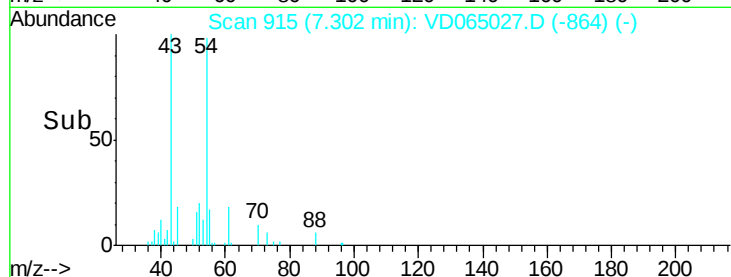
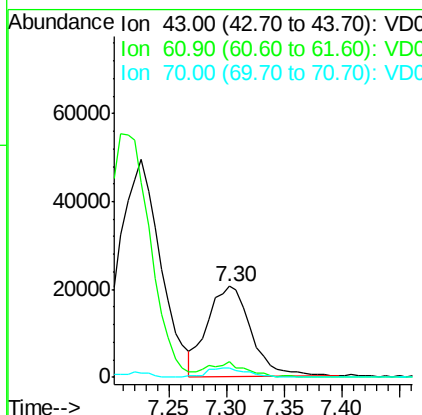
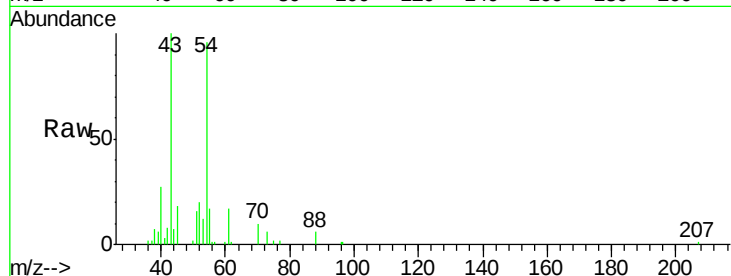




#37
Ethyl Acetate
Concen: 19.85 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

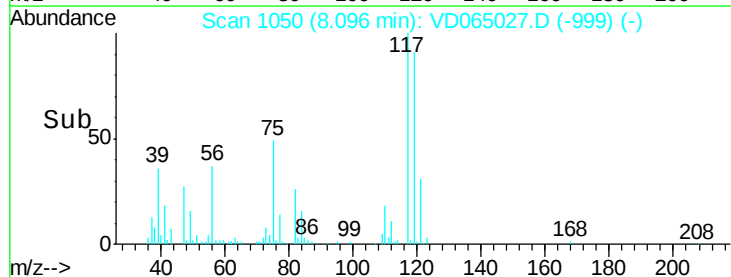
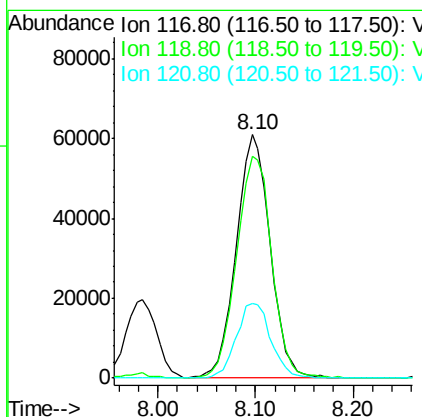
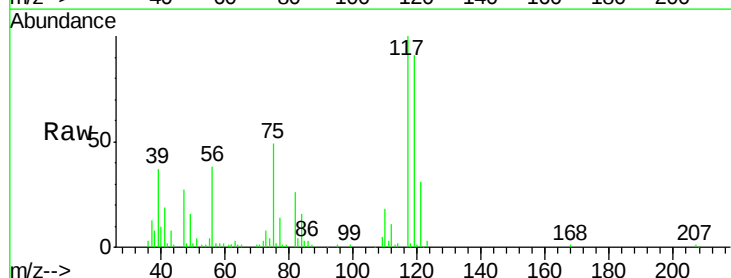
Instrument :
MSVOA_D
ClientSampleId :
VD0131SBSD01

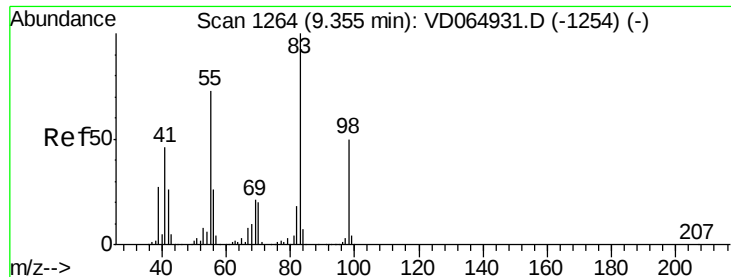
Tgt Ion: 43 Resp: 53877
Ion Ratio Lower Upper
43 100
61 13.6 11.0 16.4
70 10.0 7.5 11.3



#38
Carbon Tetrachloride
Concen: 21.28 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Tgt Ion: 117 Resp: 147775
Ion Ratio Lower Upper
117 100
119 91.2 73.2 109.8
121 30.6 24.4 36.6

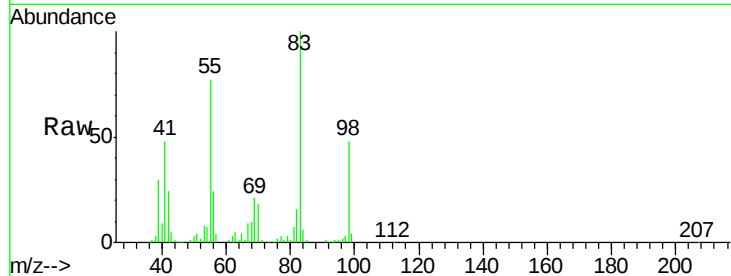




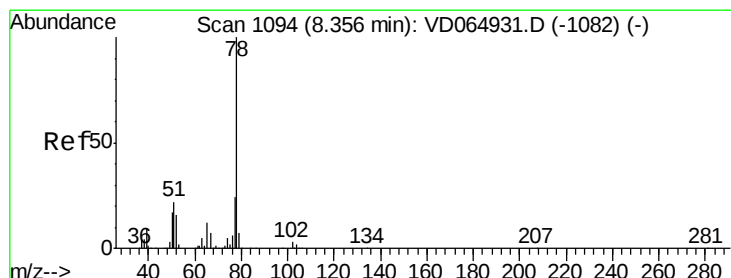
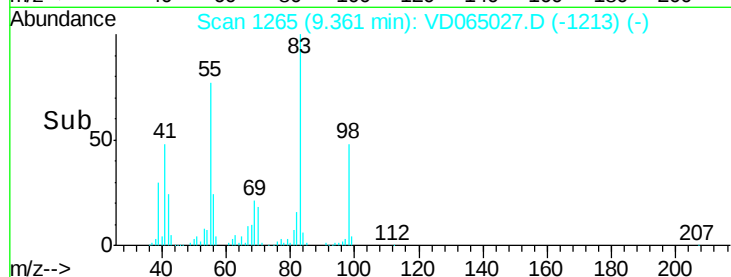
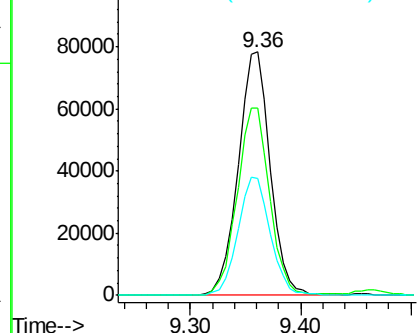
#39
Methylcyclohexane
Concen: 20.81 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0131SBSD01

Tgt Ion: 83 Resp: 159827
Ion Ratio Lower Upper
83 100
55 76.7 58.7 88.1
98 48.1 40.2 60.2

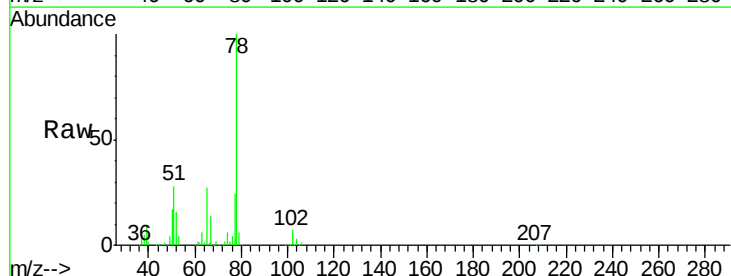


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

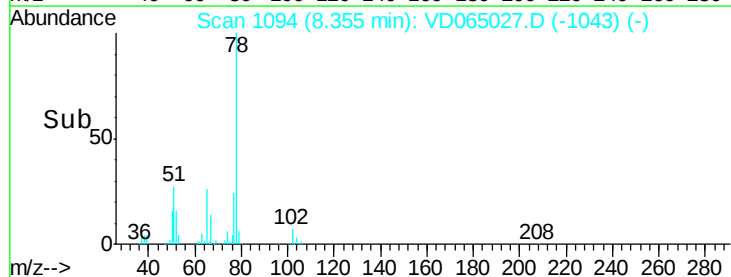
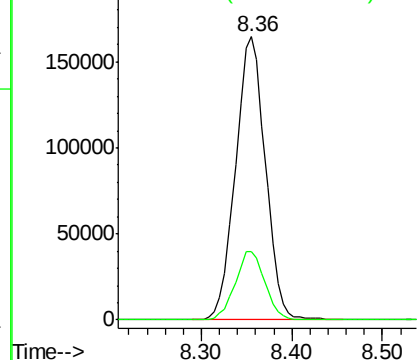


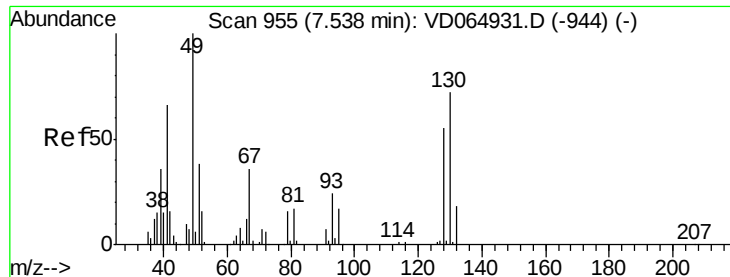
#40
Benzene
Concen: 20.86 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Tgt Ion: 78 Resp: 377490
Ion Ratio Lower Upper
78 100
77 24.1 19.2 28.8



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





#41

Methacrylonitrile

Concen: 20.26 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.01 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0131SBSD01

Tgt Ion: 41 Resp: 29615

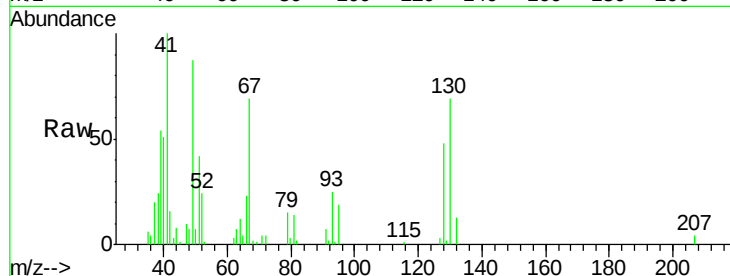
Ion Ratio Lower Upper

41 100

39 49.3 49.3 73.9

67 80.2 51.0 76.6#

52 32.9 22.3 33.5

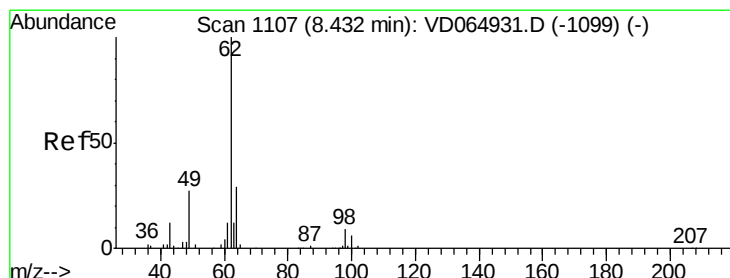
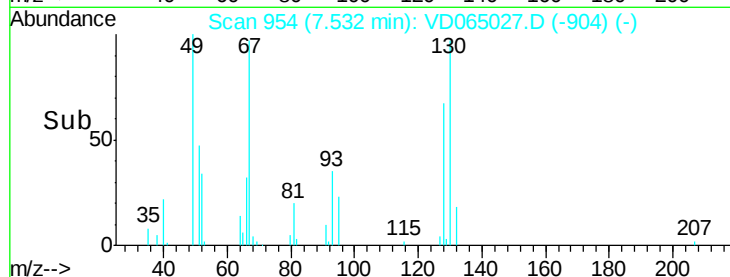
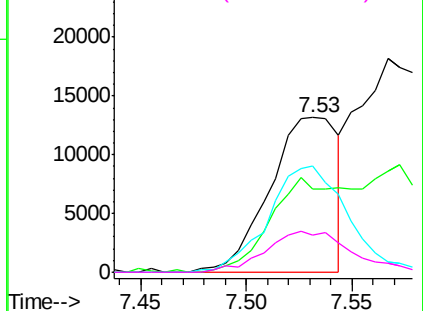


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 21.06 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD065027.D

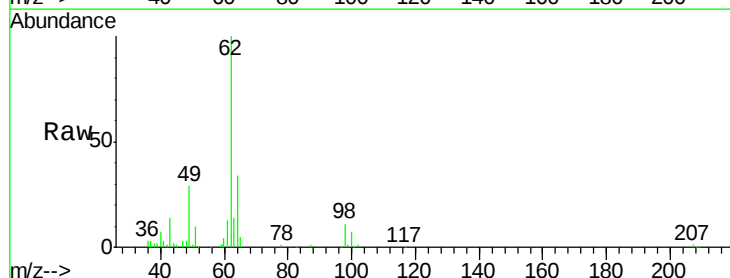
Acq: 31 Jan 2020 12:01

Tgt Ion: 62 Resp: 113509

Ion Ratio Lower Upper

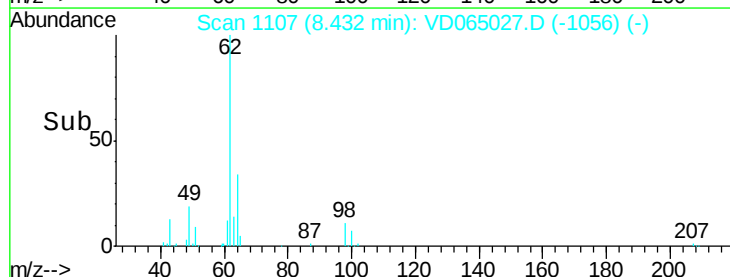
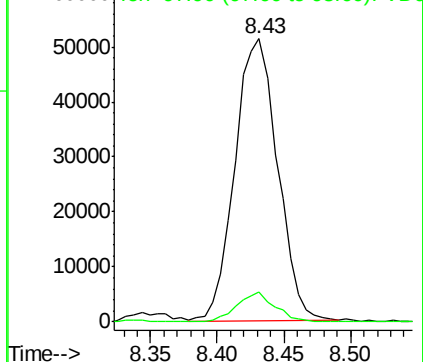
62 100

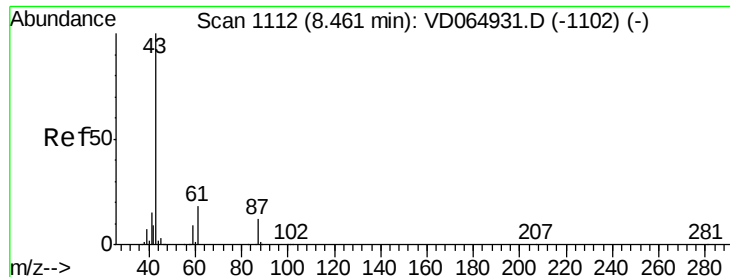
98 9.4 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 20.32 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0131SBSD01

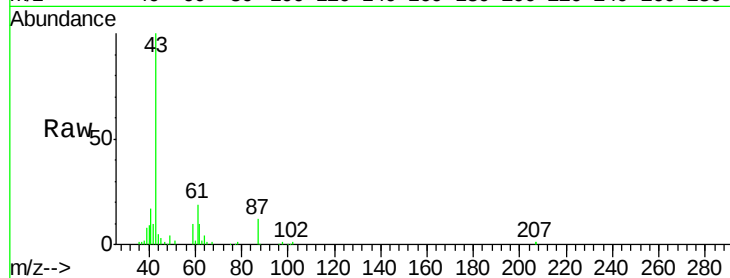
Tgt Ion: 43 Resp: 104757

Ion Ratio Lower Upper

43 100

61 30.4 23.8 35.6

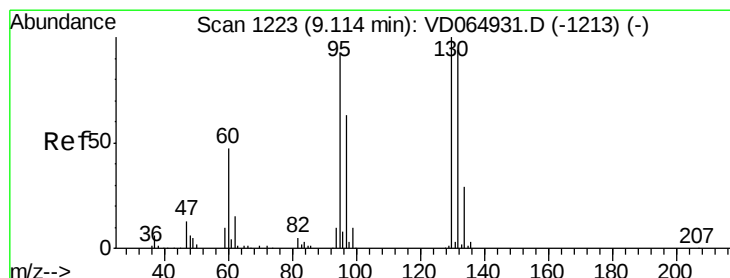
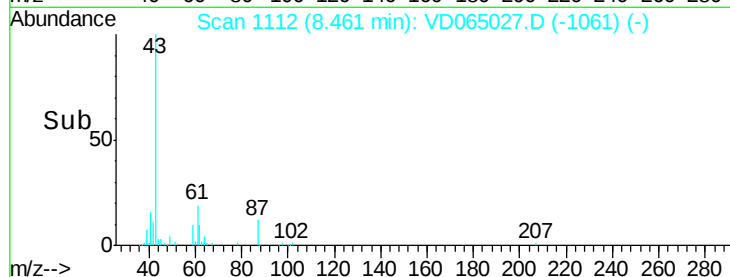
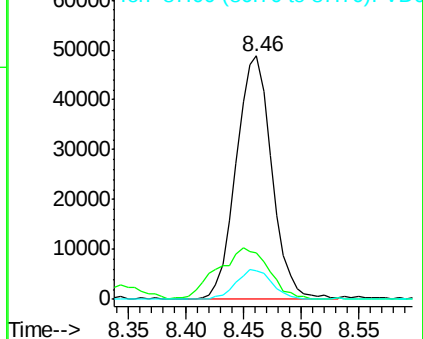
87 12.5 10.3 15.5



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: 20.90 ug/l

RT: 9.12 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD065027.D

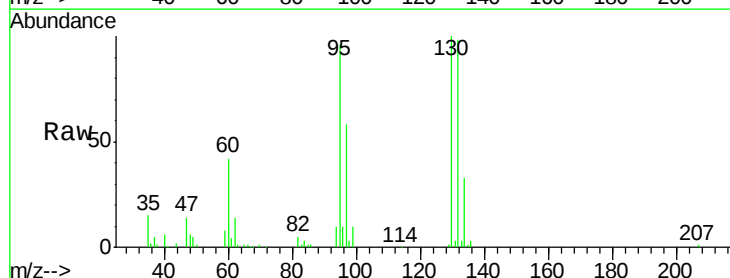
Acq: 31 Jan 2020 12:01

Tgt Ion: 130 Resp: 105854

Ion Ratio Lower Upper

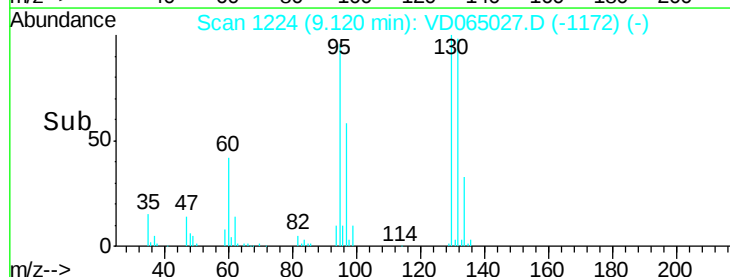
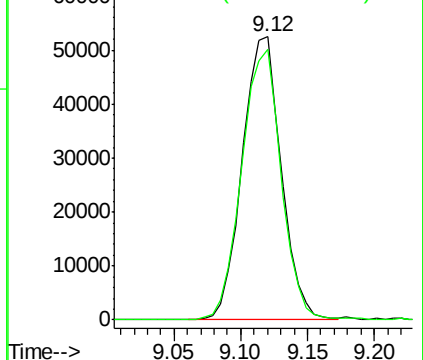
130 100

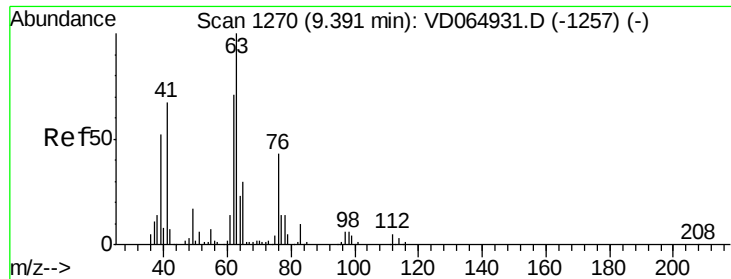
95 95.8 0.0 185.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

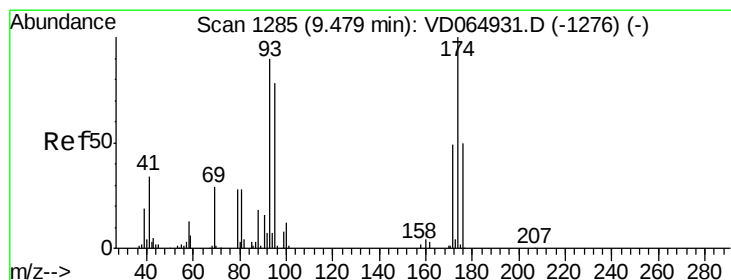
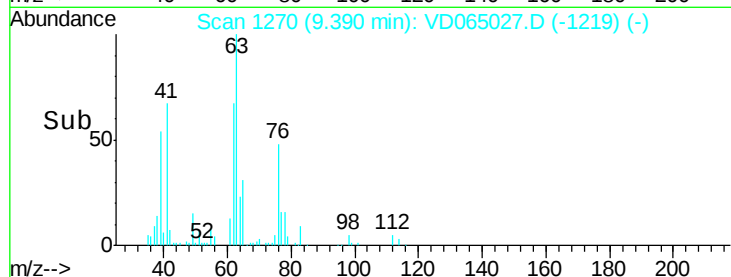
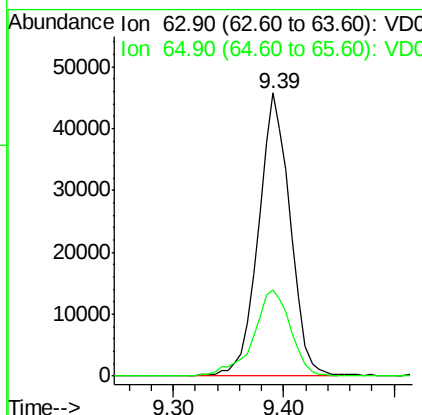
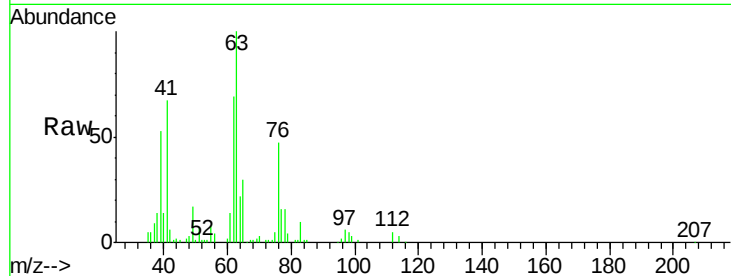




#45
 1,2-Dichloropropane
 Concen: 20.96 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065027.D
 Acq: 31 Jan 2020 12:01

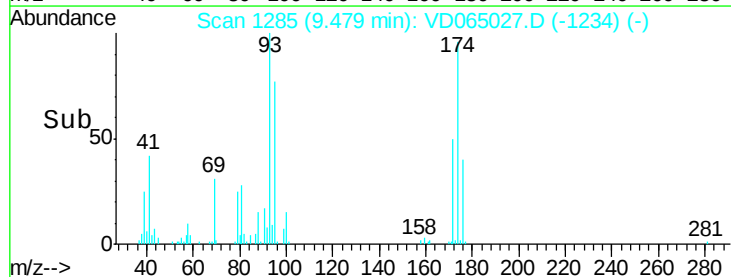
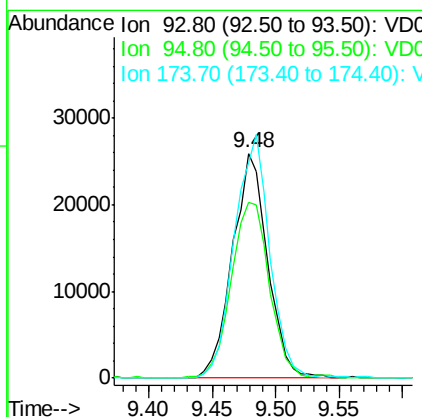
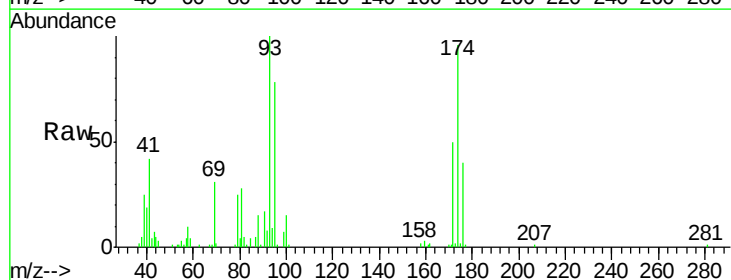
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0131SBSD01

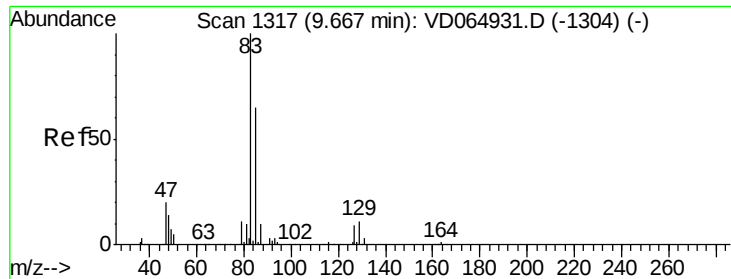
Tgt Ion: 63 Resp: 91948
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.3 36.5



#46
 Dibromomethane
 Concen: 20.81 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065027.D
 Acq: 31 Jan 2020 12:01

Tgt Ion: 93 Resp: 49835
 Ion Ratio Lower Upper
 93 100
 95 84.5 67.5 101.3
 174 108.3 88.4 132.6





#47

Bromodichloromethane

Concen: 21.43 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0131SBSD01

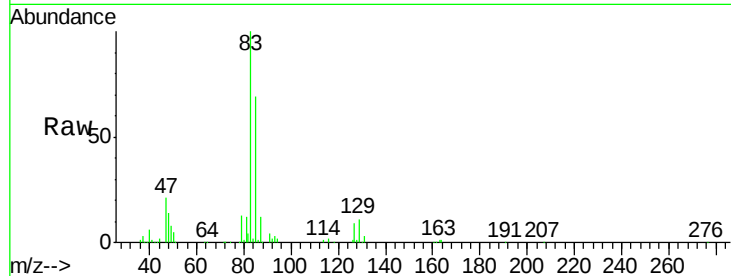
Tgt Ion: 83 Resp: 133538

Ion Ratio Lower Upper

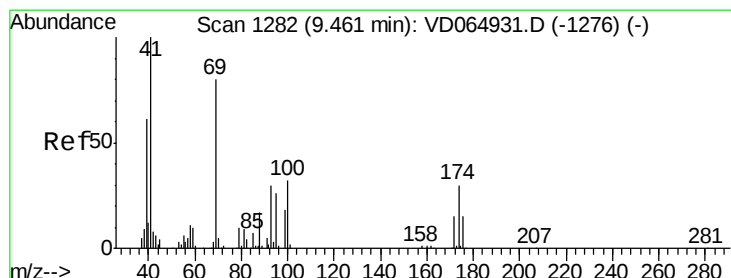
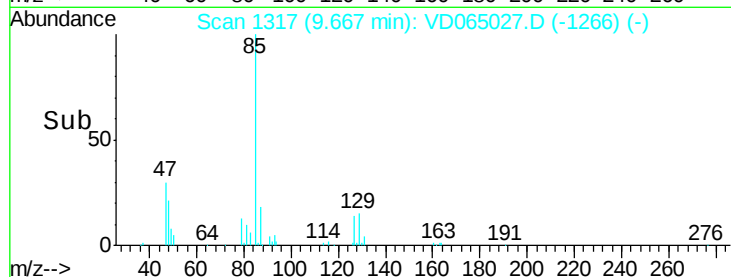
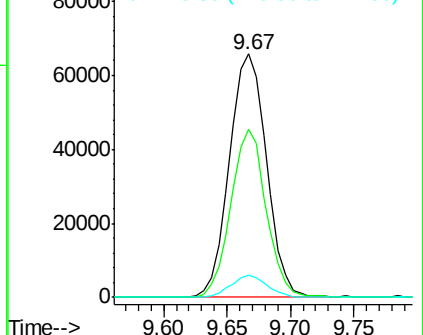
83 100

85 68.8 52.0 78.0

127 9.3 7.3 10.9



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: 21.18 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

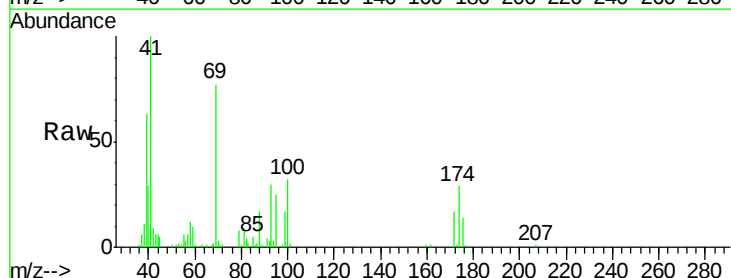
Tgt Ion: 41 Resp: 50238

Ion Ratio Lower Upper

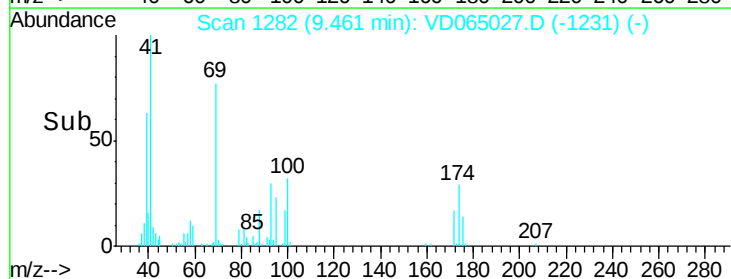
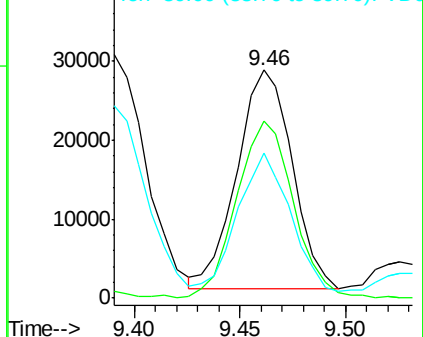
41 100

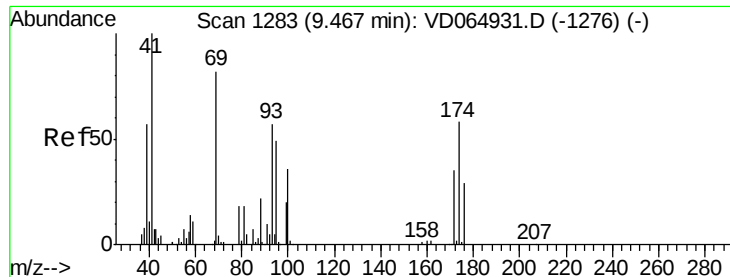
69 83.4 65.8 98.8

39 59.8 49.4 74.0



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

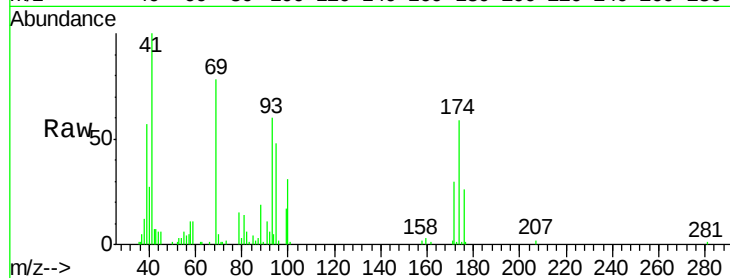




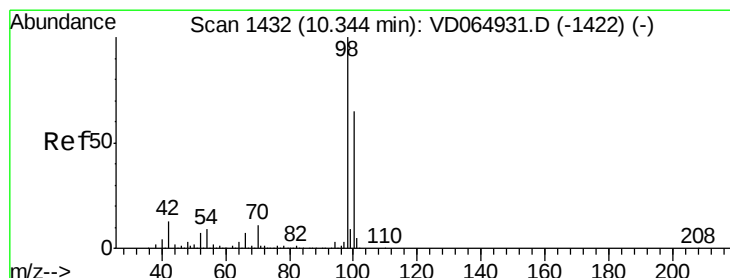
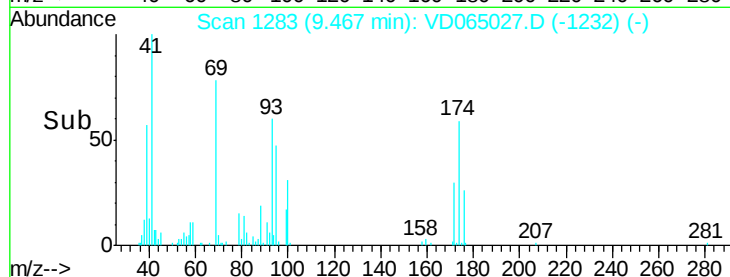
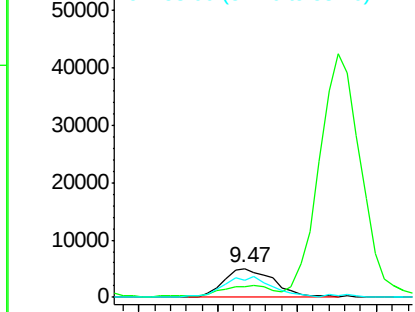
#49
1,4-Dioxane
Concen: 396.39 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0131SBSD01

Tgt Ion: 88 Resp: 11010
Ion Ratio Lower Upper
88 100
43 45.8 26.2 39.4#
58 70.7 50.3 75.5

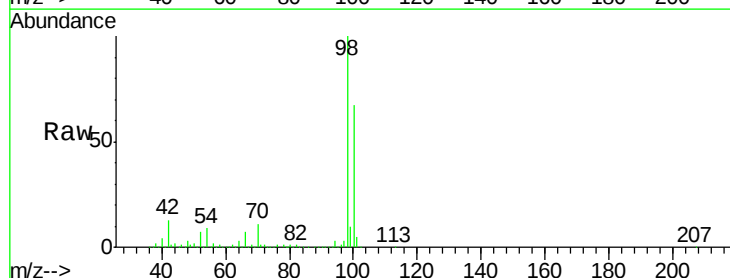


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

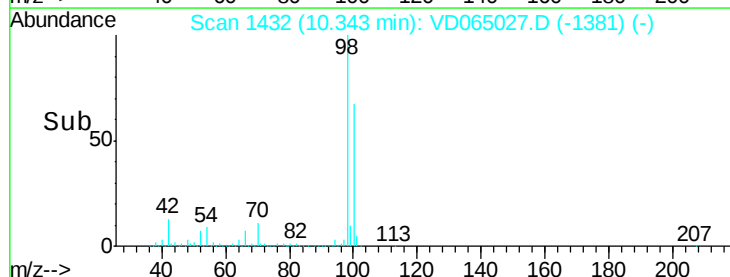
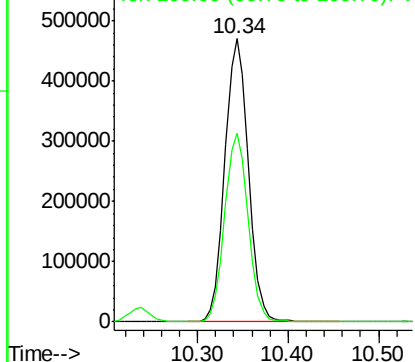


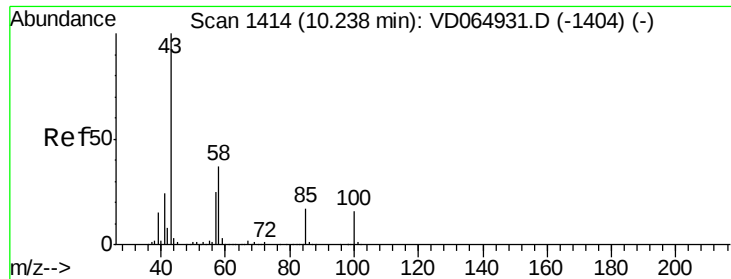
#50
Toluene-d8
Concen: 51.41 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Tgt Ion: 98 Resp: 849658
Ion Ratio Lower Upper
98 100
100 65.8 52.3 78.5



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

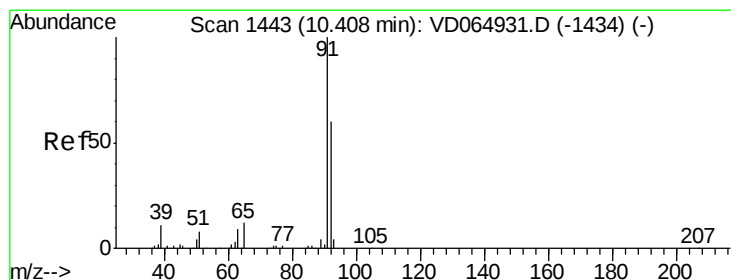
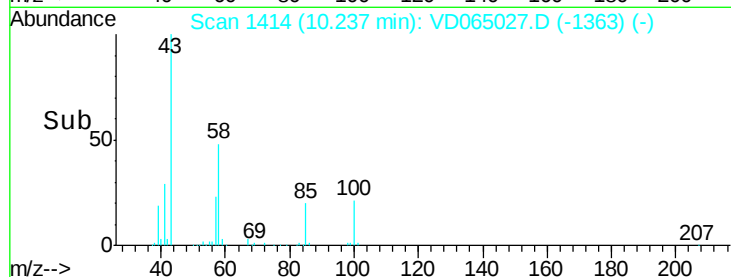
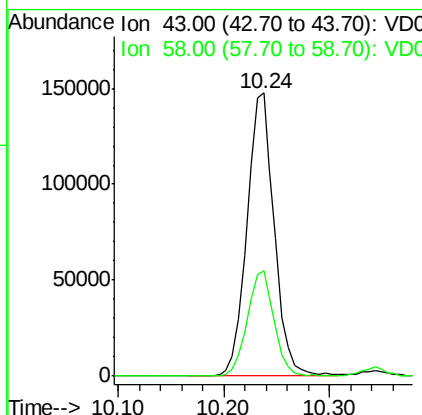
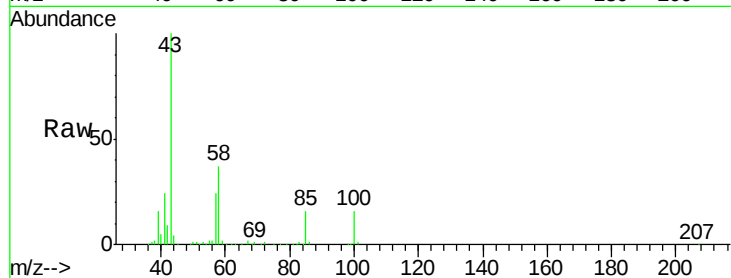




#51
 4-Methyl-2-Pentanone
 Concen: 102.99 ug/l
 RT: 10.24 min Scan# 1414
 Delta R.T. -0.00 min
 Lab File: VD065027.D
 Acq: 31 Jan 2020 12:01

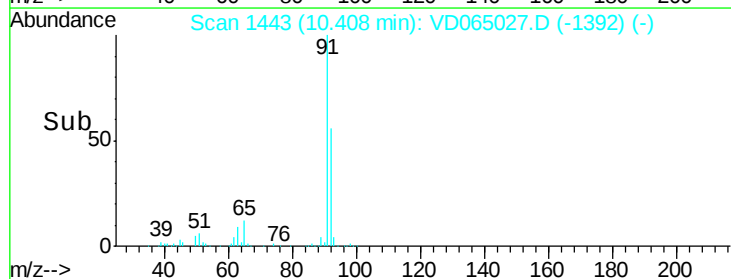
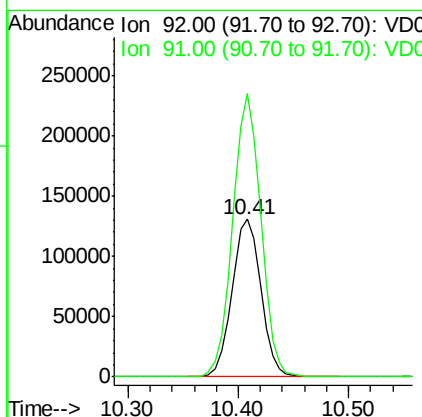
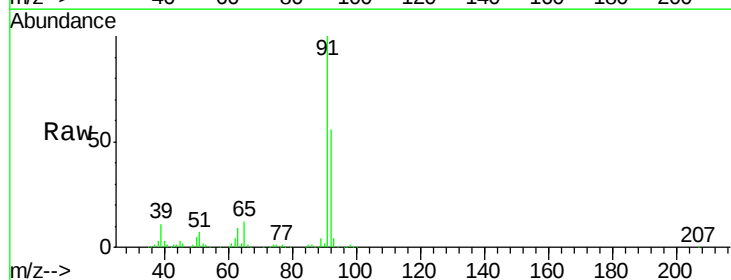
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0131SBSD01

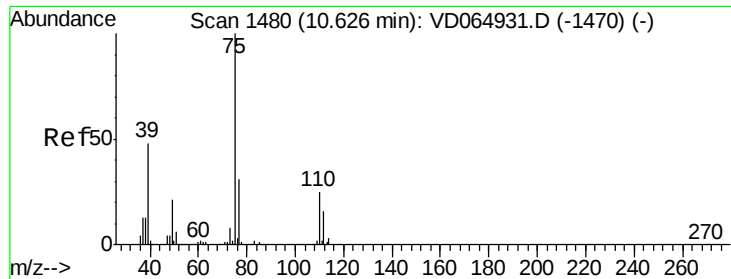
Tgt Ion: 43 Resp: 265642
 Ion Ratio Lower Upper
 43 100
 58 36.7 30.4 45.6



#52
 Toluene
 Concen: 20.72 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD065027.D
 Acq: 31 Jan 2020 12:01

Tgt Ion: 92 Resp: 241774
 Ion Ratio Lower Upper
 92 100
 91 175.1 136.8 205.2





#53

t-1,3-Dichloropropene

Concen: 20.79 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

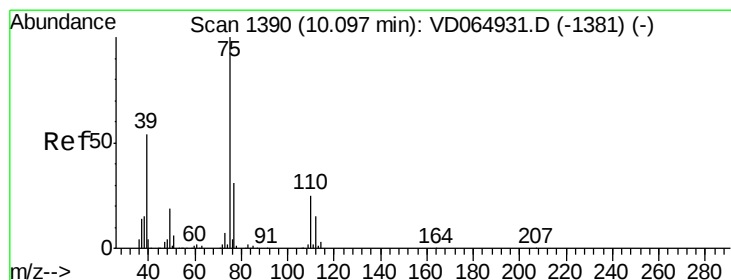
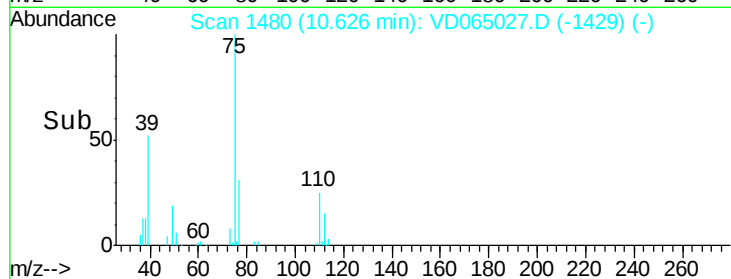
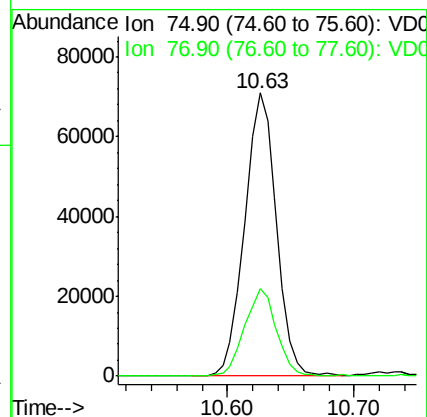
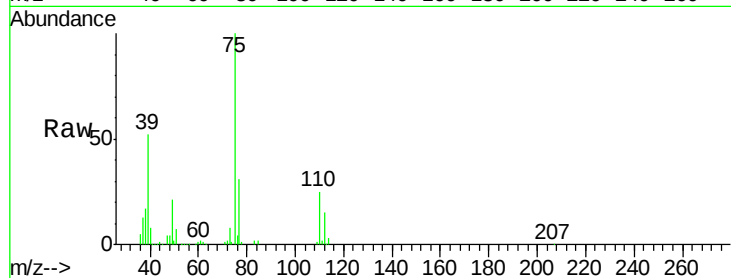
VD0131SBSD01

Tgt Ion: 75 Resp: 123438

Ion Ratio Lower Upper

75 100

77 30.9 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 21.25 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

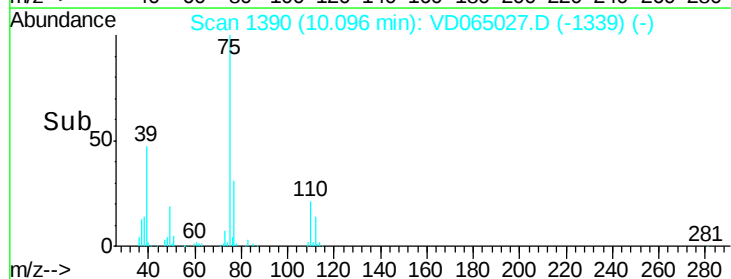
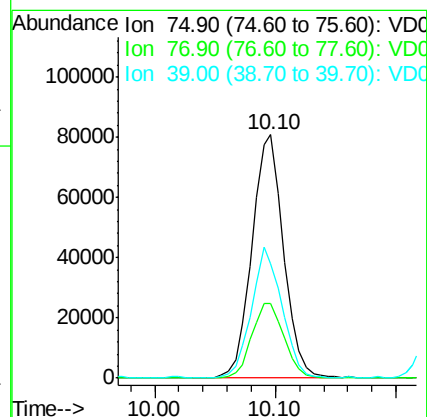
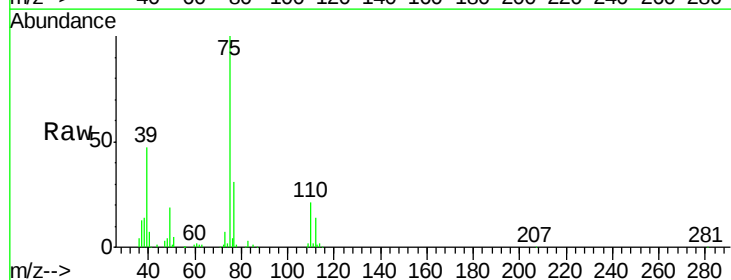
Tgt Ion: 75 Resp: 147704

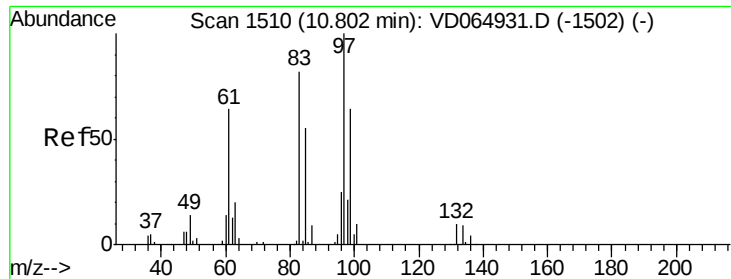
Ion Ratio Lower Upper

75 100

77 30.9 25.1 37.7

39 46.9 43.0 64.6

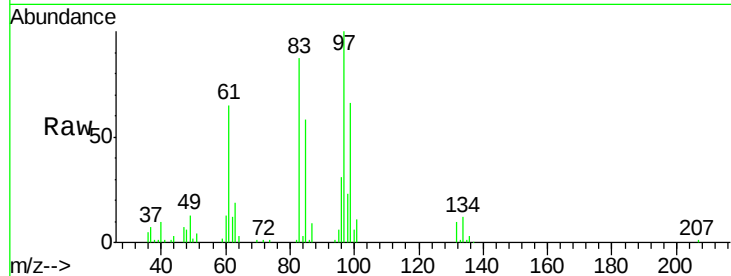




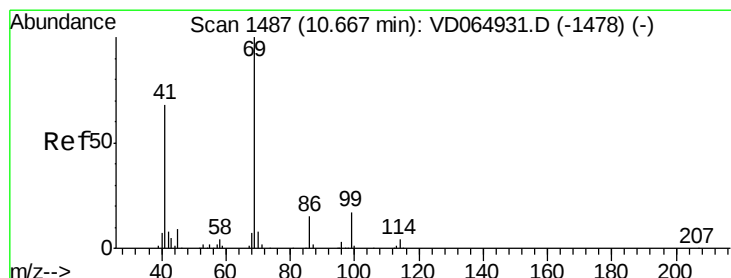
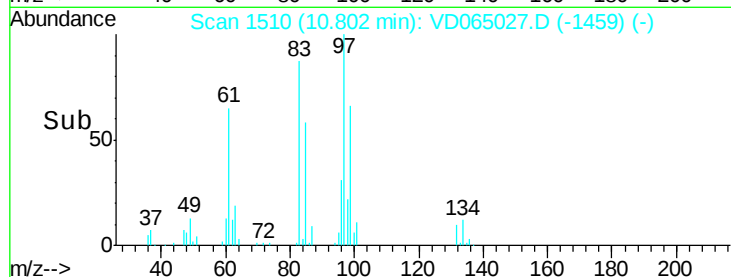
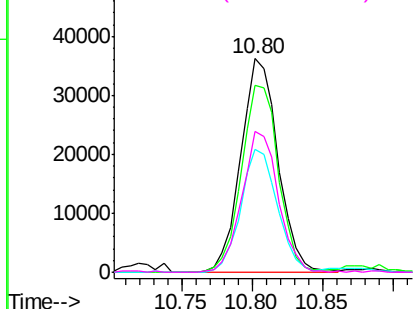
#55
 1,1,2-Trichloroethane
 Concen: 20.75 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD065027.D
 Acq: 31 Jan 2020 12:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0131SBSD01

Tgt Ion: 97 Resp: 66928
 Ion Ratio Lower Upper
 97 100
 83 87.4 66.0 99.0
 85 57.6 44.4 66.6
 99 66.2 51.4 77.0

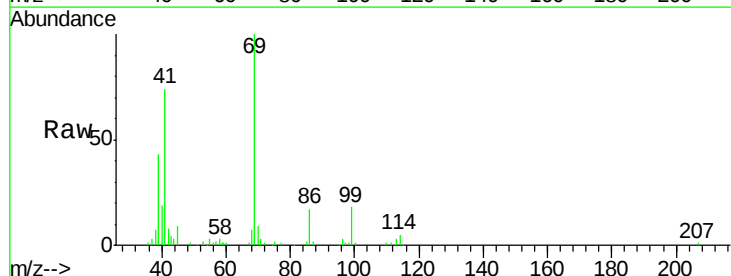


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

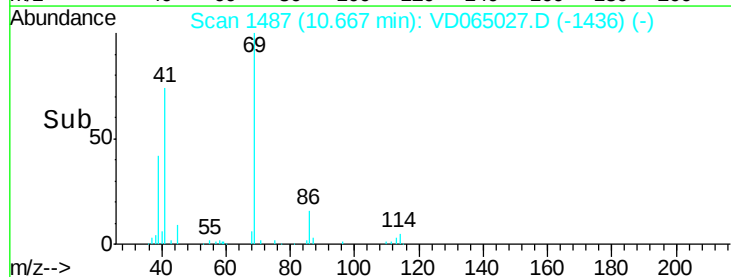
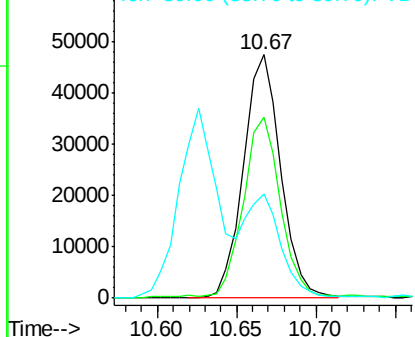


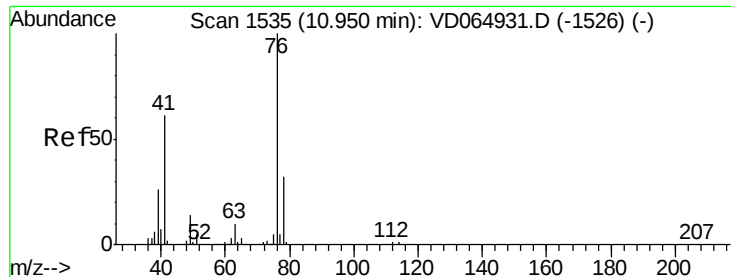
#56
 Ethyl methacrylate
 Concen: 20.09 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065027.D
 Acq: 31 Jan 2020 12:01

Tgt Ion: 69 Resp: 77486
 Ion Ratio Lower Upper
 69 100
 41 71.8 56.4 84.6
 39 40.3 30.6 46.0



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

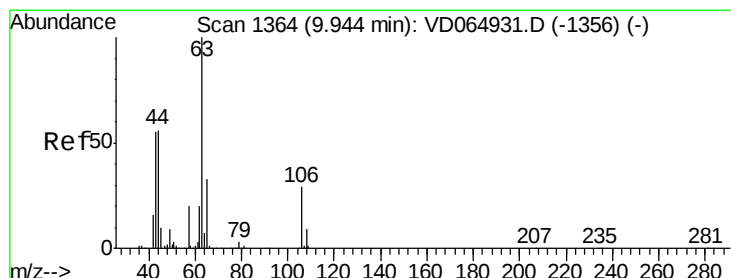
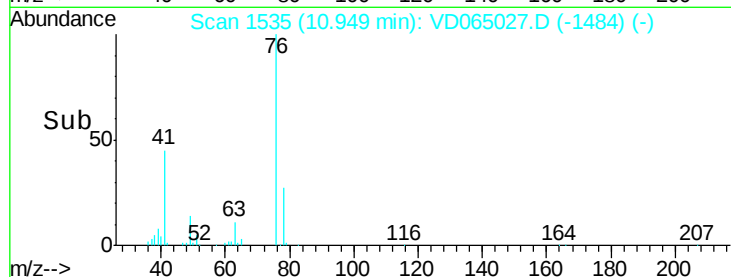
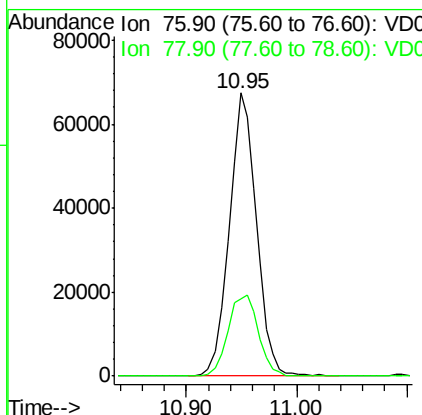
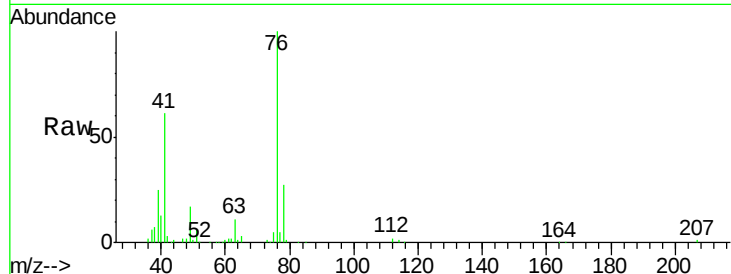




#57
 1,3-Dichloropropane
 Concen: 21.00 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065027.D
 Acq: 31 Jan 2020 12:01

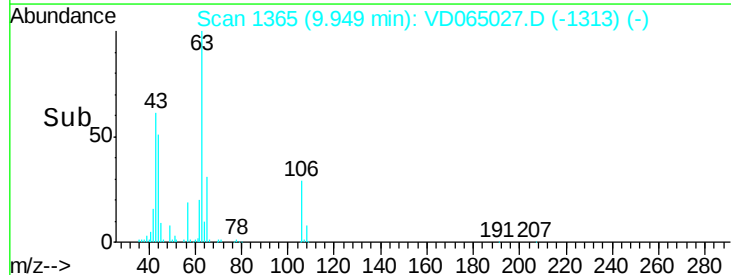
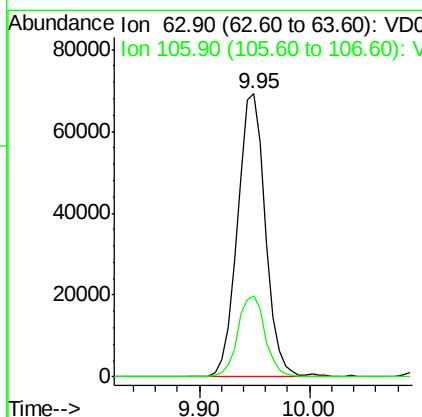
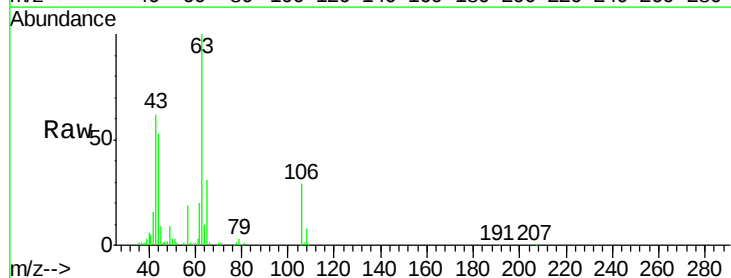
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0131SBSD01

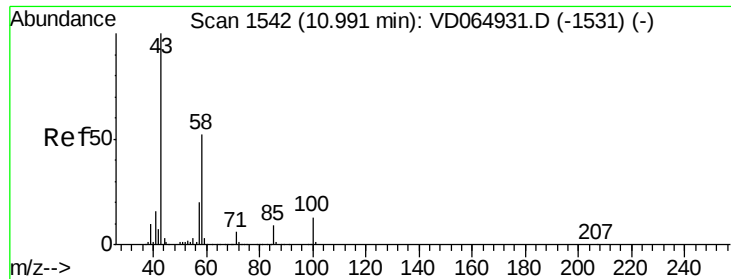
Tgt Ion: 76 Resp: 116197
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.01 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD065027.D
 Acq: 31 Jan 2020 12:01

Tgt Ion: 63 Resp: 123050
 Ion Ratio Lower Upper
 63 100
 106 27.8 23.0 34.4

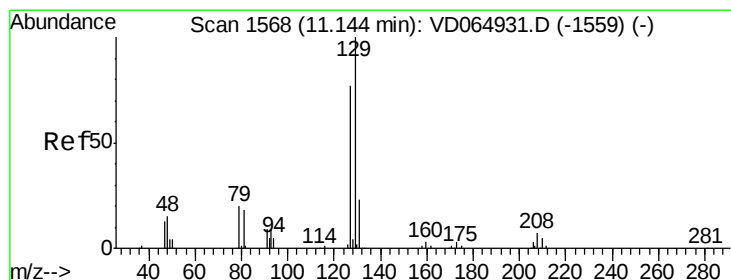
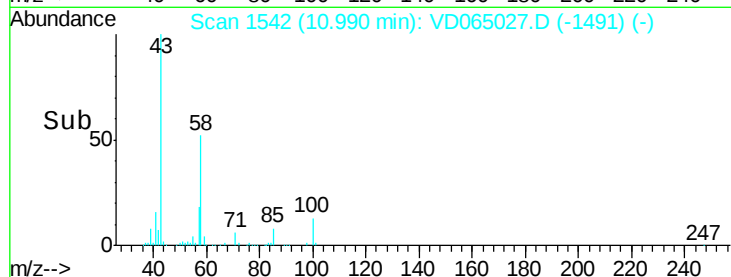
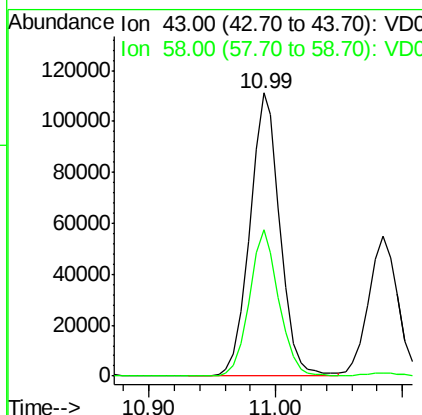
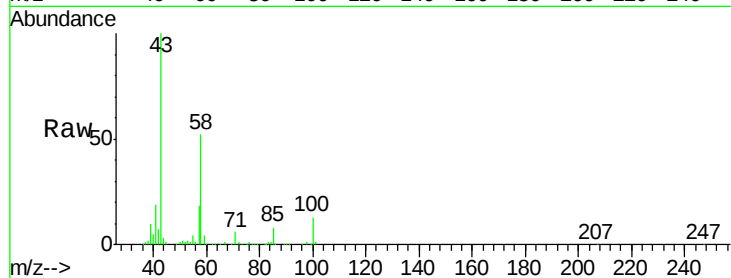




#59
2-Hexanone
Concen: 103.64 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

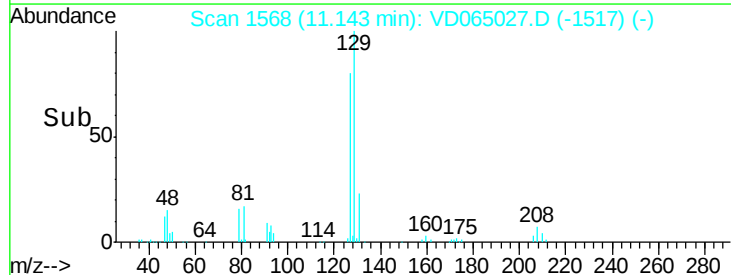
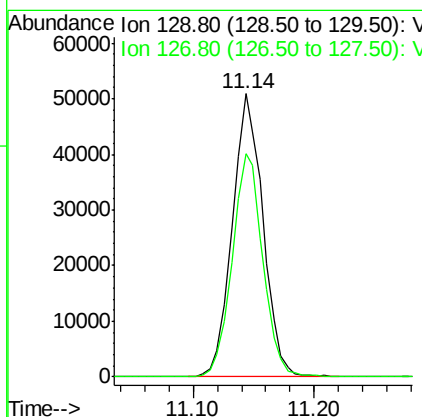
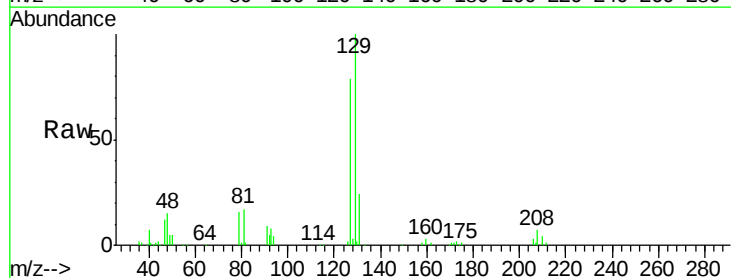
Instrument :
MSVOA_D
ClientSampleId :
VD0131SBSD01

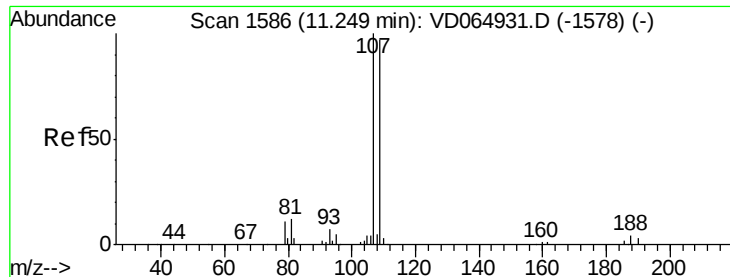
Tgt Ion: 43 Resp: 184392
Ion Ratio Lower Upper
43 100
58 50.6 26.5 79.4



#60
Dibromochloromethane
Concen: 20.80 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Tgt Ion: 129 Resp: 89663
Ion Ratio Lower Upper
129 100
127 78.8 38.2 114.6

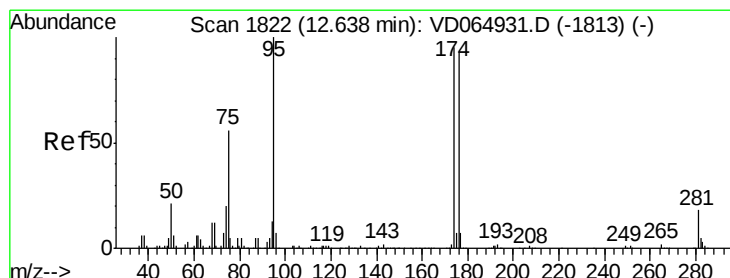
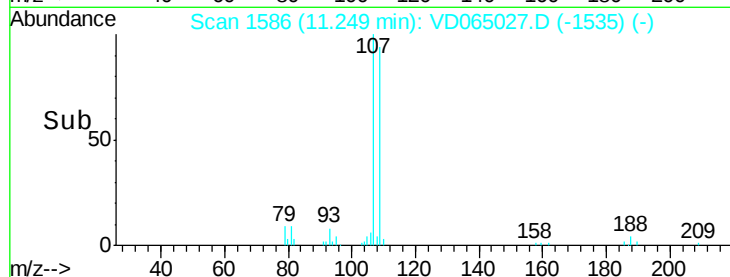
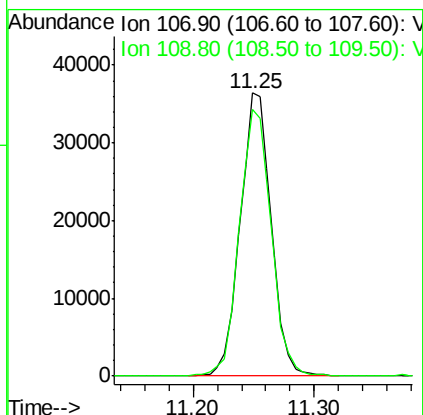
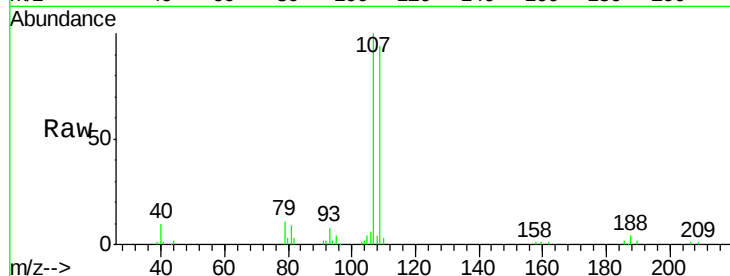




#61
 1,2-Dibromoethane
 Concen: 20.98 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065027.D
 Acq: 31 Jan 2020 12:01

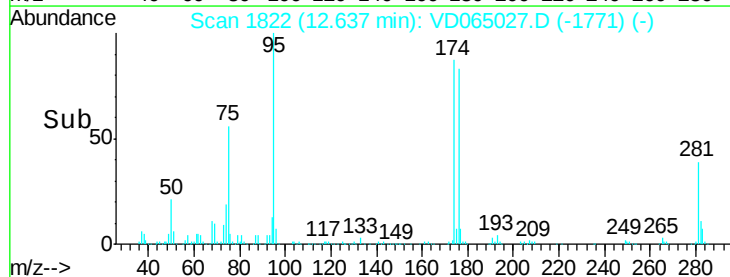
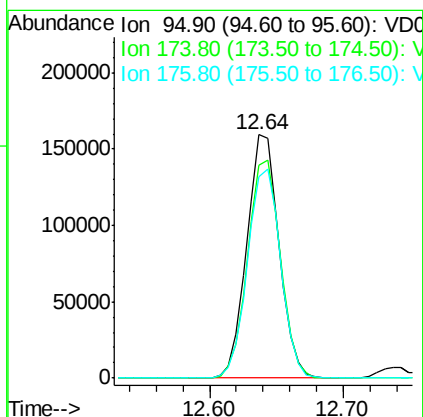
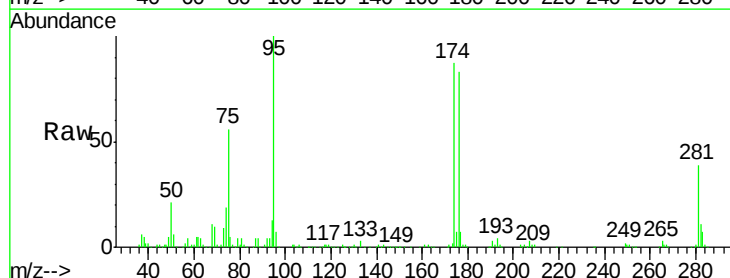
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0131SBSD01

Tgt Ion: 107 Resp: 65158
 Ion Ratio Lower Upper
 107 100
 109 96.7 77.1 115.7



#62
 4-Bromofluorobenzene
 Concen: 52.50 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065027.D
 Acq: 31 Jan 2020 12:01

Tgt Ion: 95 Resp: 265527
 Ion Ratio Lower Upper
 95 100
 174 90.9 0.0 186.8
 176 87.8 0.0 183.4

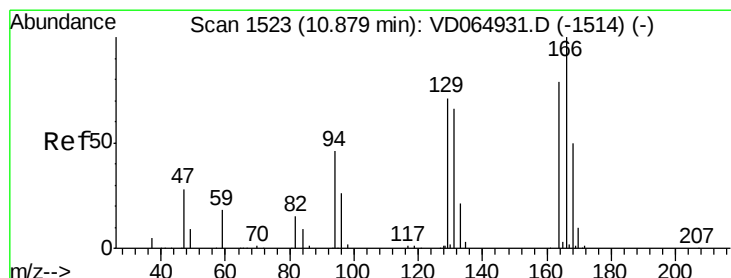
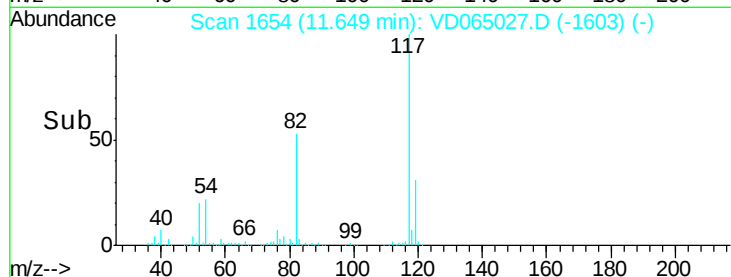
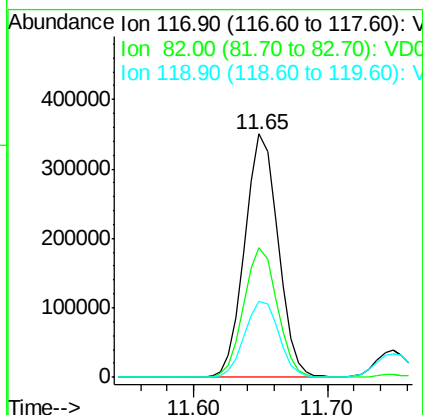
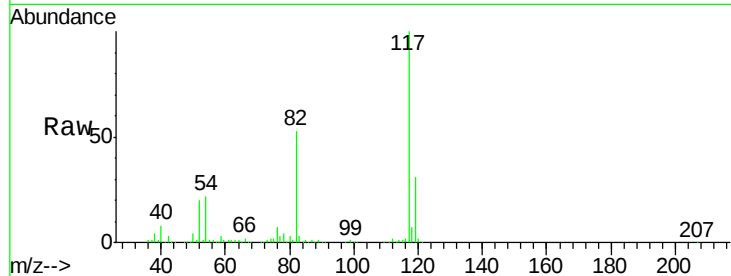




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

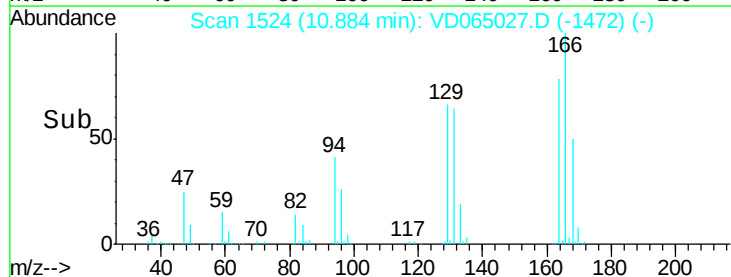
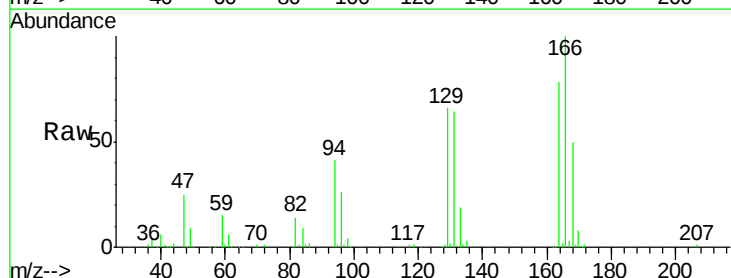
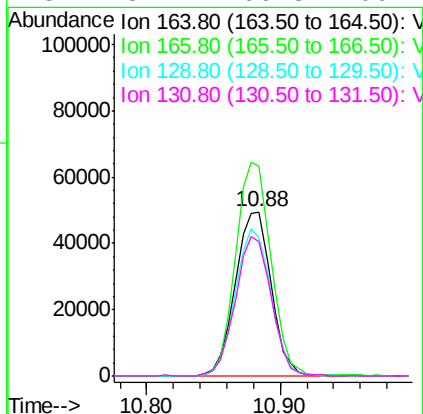
Instrument :
MSVOA_D
ClientSampleId :
VD0131SBSD01

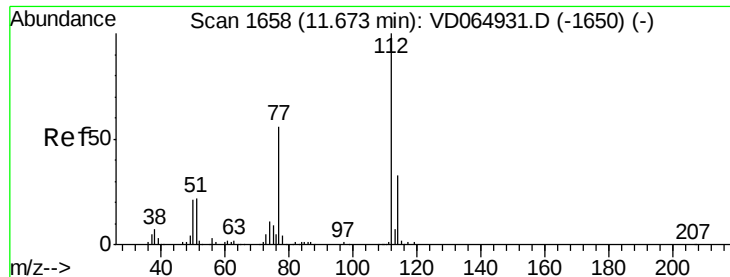
Tgt Ion:117 Resp: 606296
Ion Ratio Lower Upper
117 100
82 53.3 43.6 65.4
119 31.2 25.2 37.8



#64
Tetrachloroethene
Concen: 20.99 ug/l
RT: 10.88 min Scan# 1524
Delta R.T. 0.01 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Tgt Ion:164 Resp: 91946
Ion Ratio Lower Upper
164 100
166 127.5 101.4 152.2
129 84.4 71.8 107.8
131 81.7 66.8 100.2

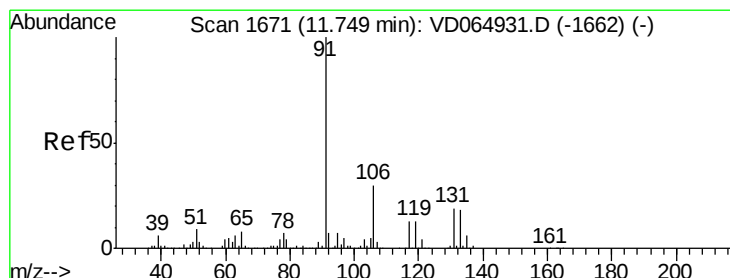
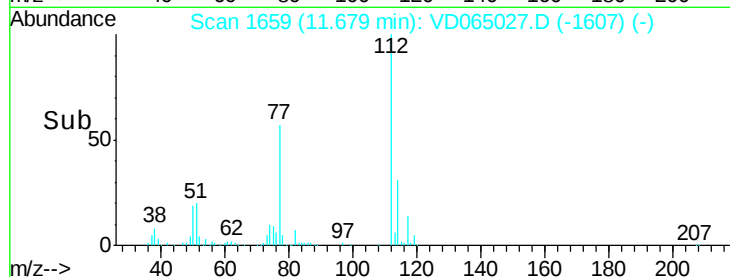
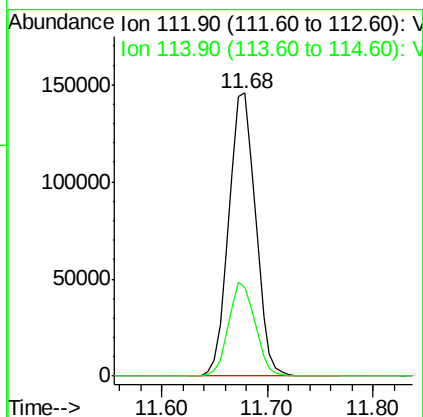
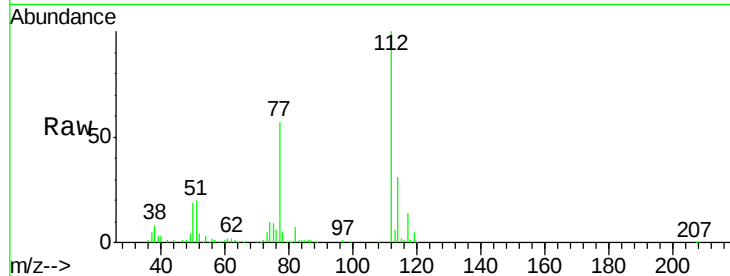




#65
Chlorobenzene
Concen: 20.76 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

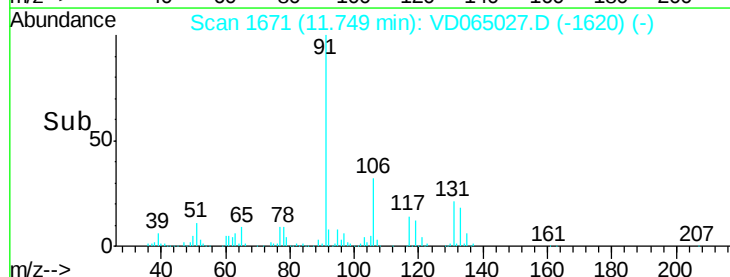
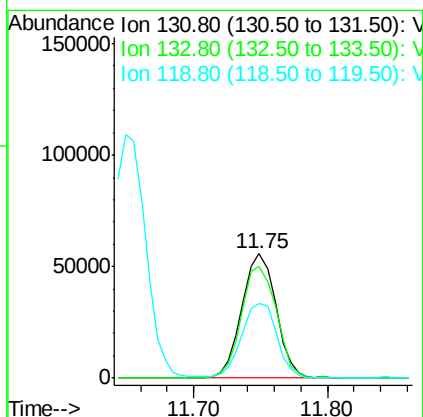
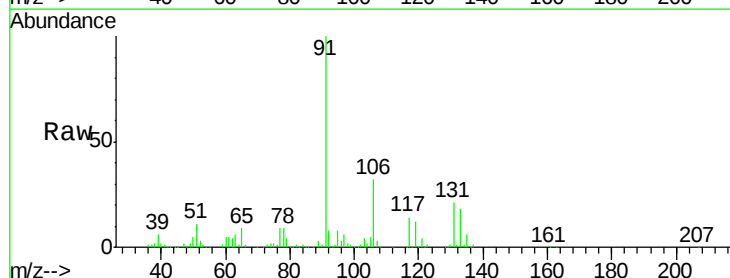
Instrument :
MSVOA_D
ClientSampleId :
VD0131SBSD01

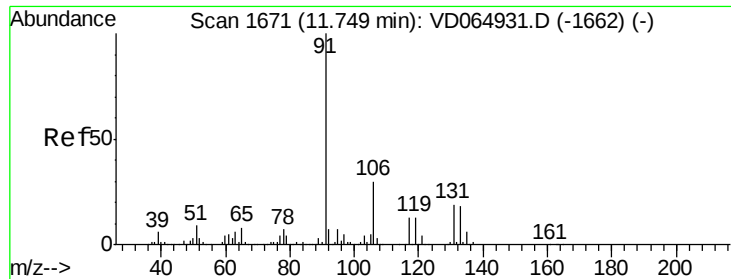
Tgt Ion:112 Resp: 255594
Ion Ratio Lower Upper
112 100
114 31.3 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.49 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Tgt Ion:131 Resp: 99478
Ion Ratio Lower Upper
131 100
133 92.3 47.5 142.5
119 62.0 31.1 93.5

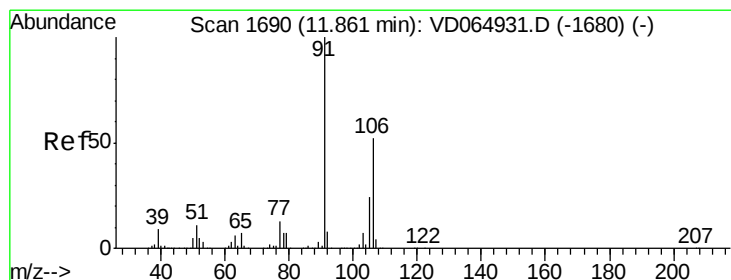
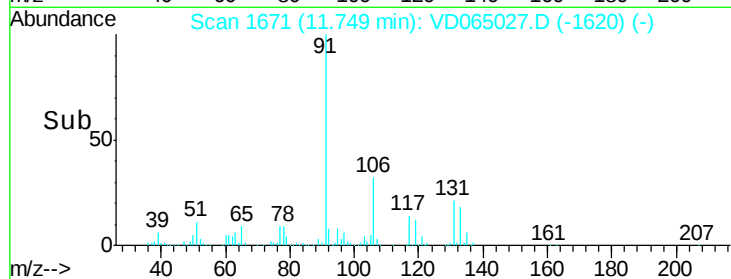
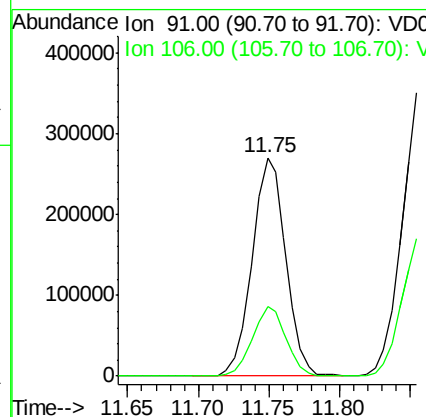
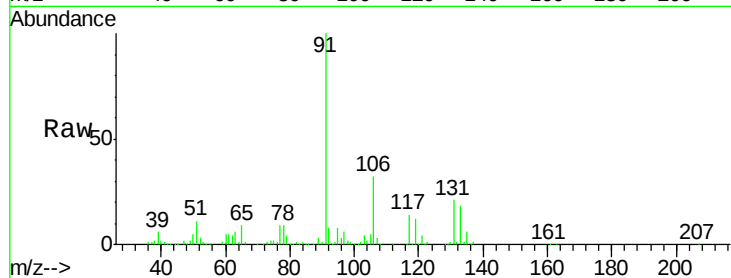




#67
Ethyl Benzene
Concen: 20.65 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

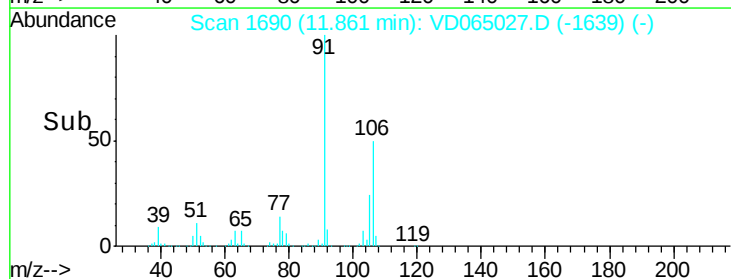
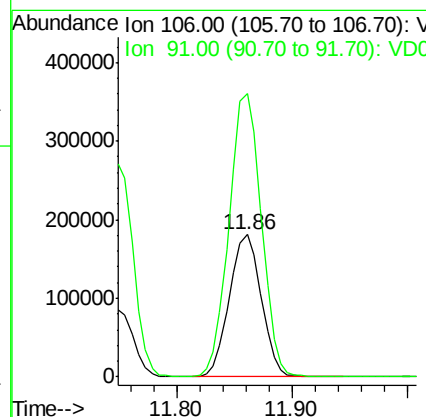
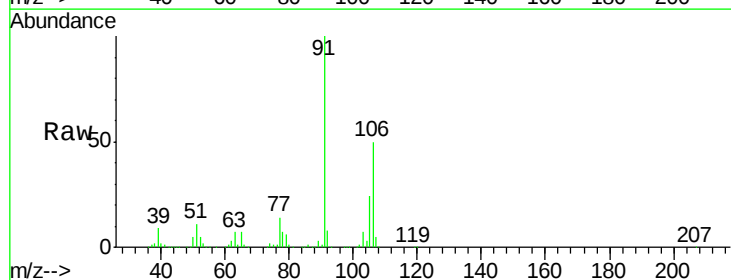
Instrument :
MSVOA_D
ClientSampleId :
VD0131SBSD01

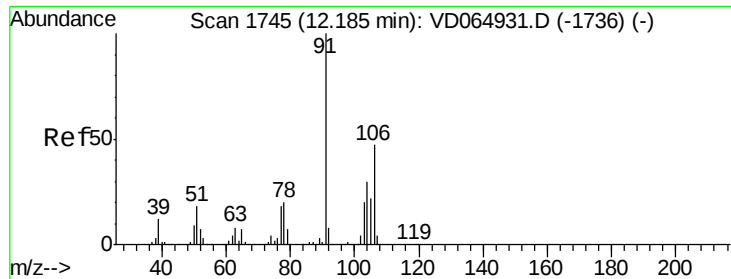
Tgt Ion: 91 Resp: 451389
Ion Ratio Lower Upper
91 100
106 31.6 24.3 36.5



#68
m/p-Xylenes
Concen: 41.36 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Tgt Ion: 106 Resp: 348012
Ion Ratio Lower Upper
106 100
91 201.2 159.0 238.4

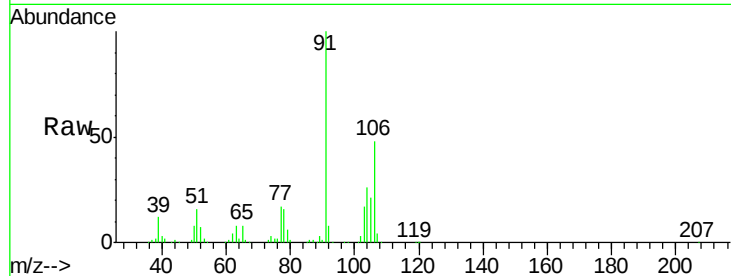




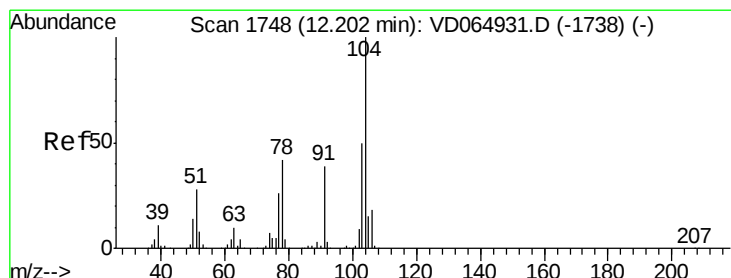
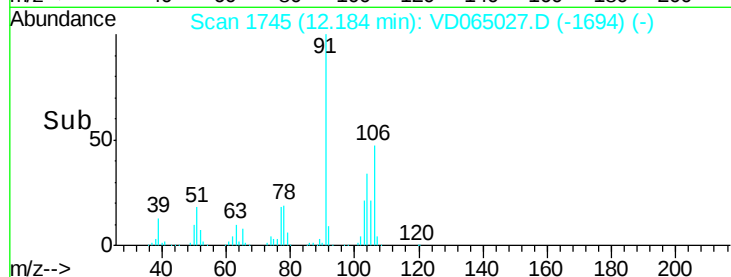
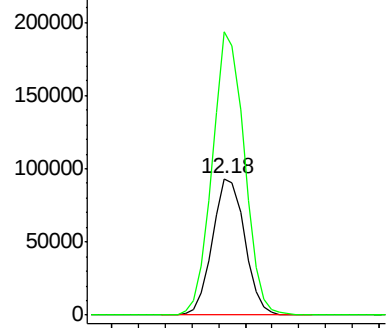
#69
o-Xylene
Concen: 20.87 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0131SBSD01

Tgt Ion:106 Resp: 155873
Ion Ratio Lower Upper
106 100
91 206.3 106.7 319.9

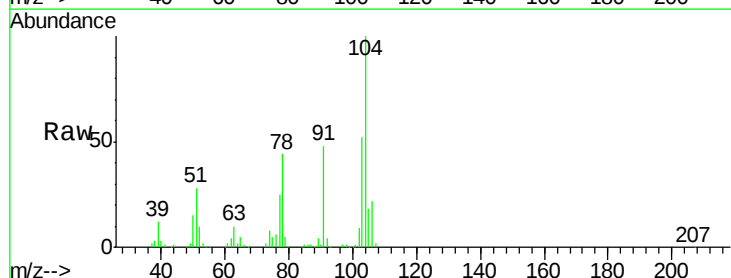


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

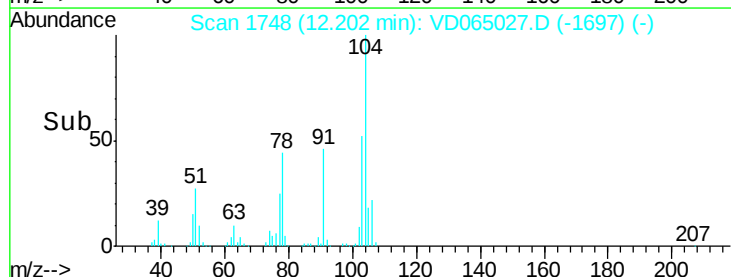
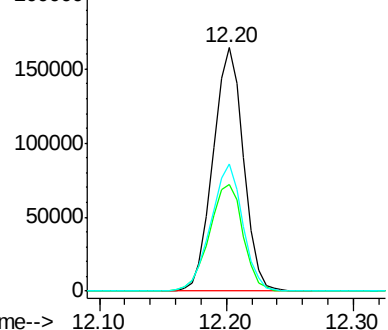


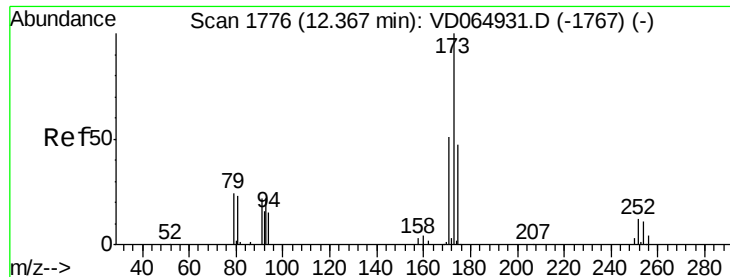
#70
Styrene
Concen: 20.59 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Tgt Ion:104 Resp: 273891
Ion Ratio Lower Upper
104 100
78 48.5 38.3 57.5
103 54.7 43.5 65.3



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

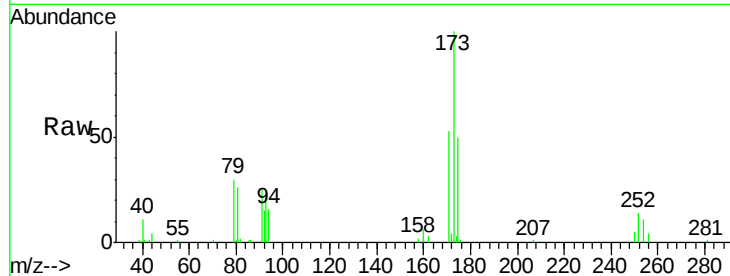




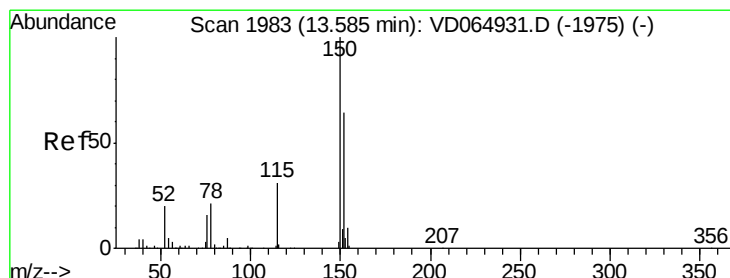
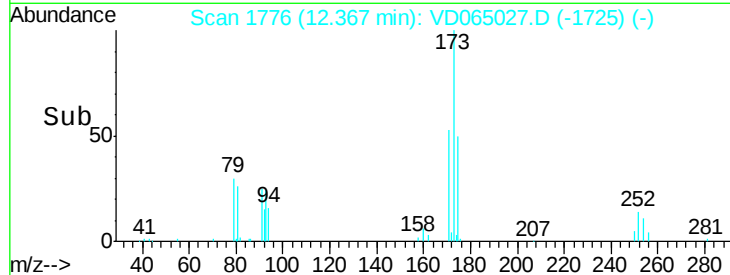
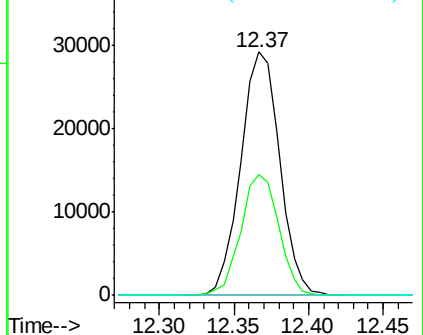
#71
Bromoform
Concen: 20.49 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0131SBSD01

Tgt Ion:173 Resp: 52744
Ion Ratio Lower Upper
173 100
175 48.3 24.6 73.8
254 0.0 0.1 0.1#

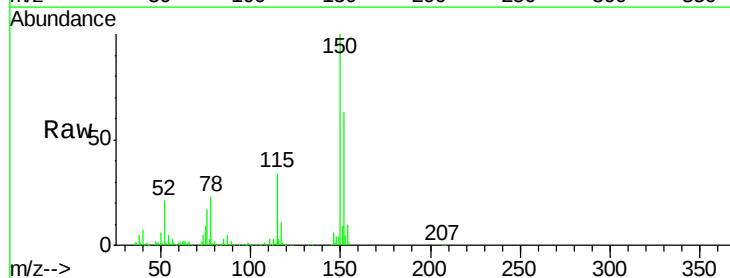


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

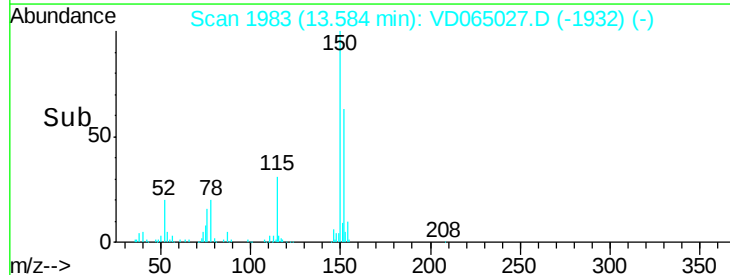
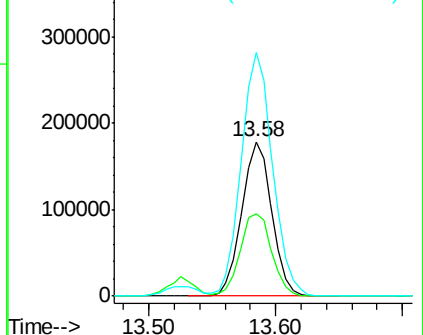


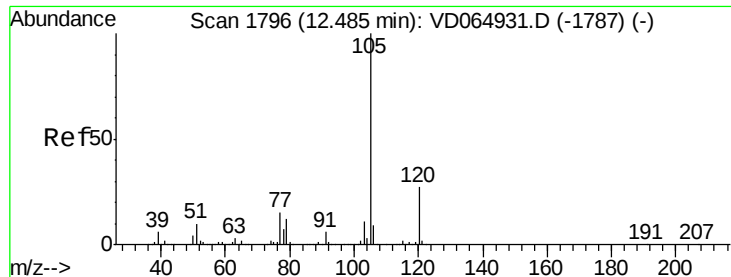
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Tgt Ion:152 Resp: 293659
Ion Ratio Lower Upper
152 100
115 56.1 28.1 84.4
150 164.3 0.0 350.4



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: 21.27 ug/l

RT: 12.49 min Scan# 1797

Delta R.T. 0.01 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

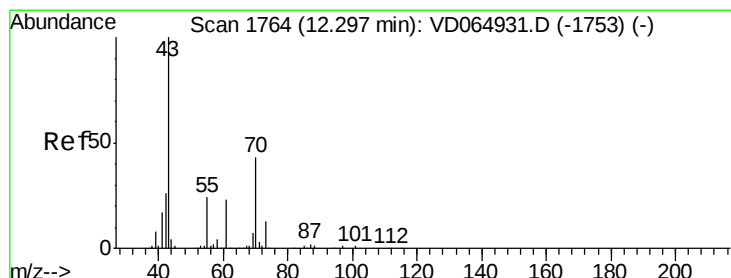
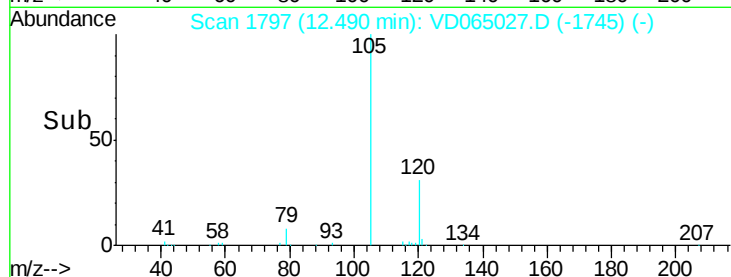
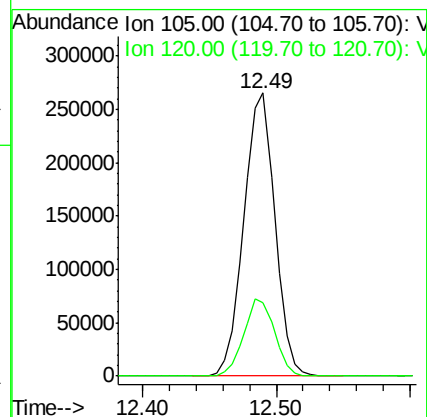
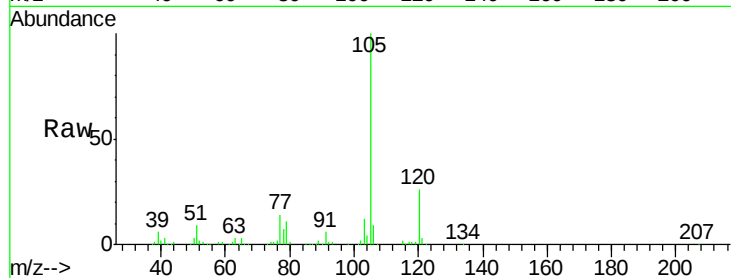
VD0131SBSD01

Tgt Ion: 105 Resp: 426831

Ion Ratio Lower Upper

105 100

120 27.2 13.3 39.8



#74

N-ethyl acetate

Concen: 20.38 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Tgt Ion: 43 Resp: 91528

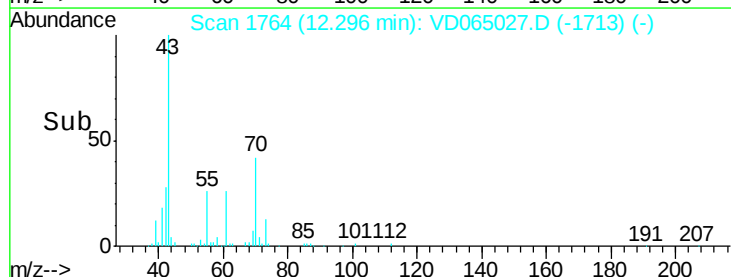
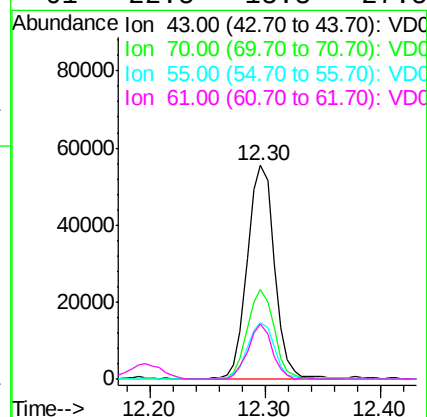
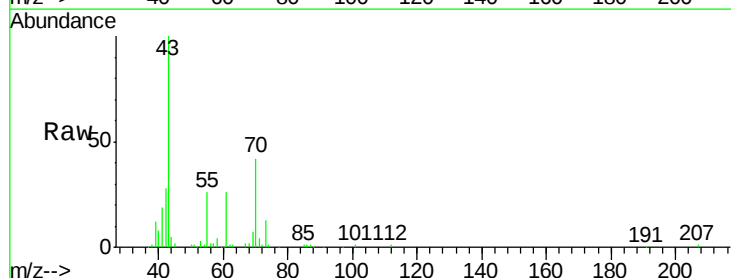
Ion Ratio Lower Upper

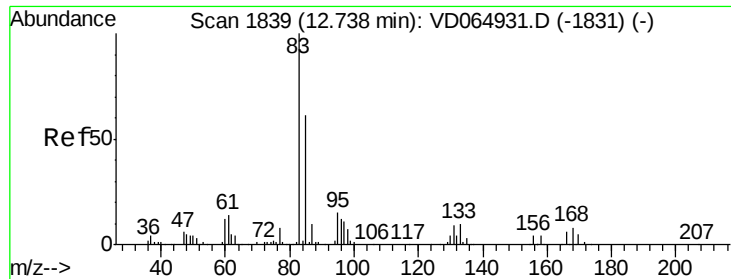
43 100

70 41.1 32.6 49.0

55 26.1 19.9 29.9

61 22.5 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.97 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0131SBSD01

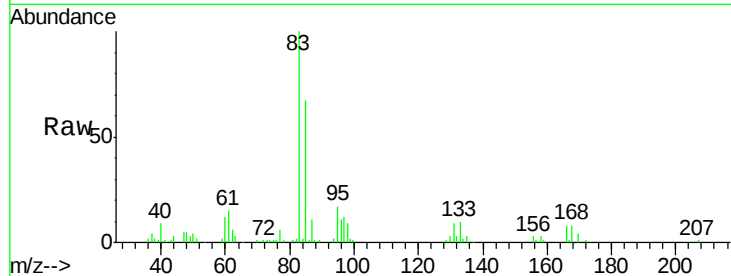
Tgt Ion: 83 Resp: 70737

Ion Ratio Lower Upper

83 100

131 11.7 5.5 16.4

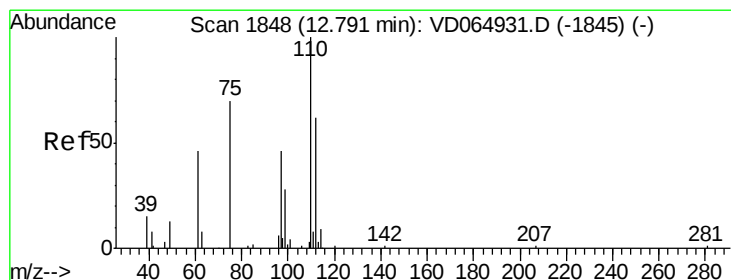
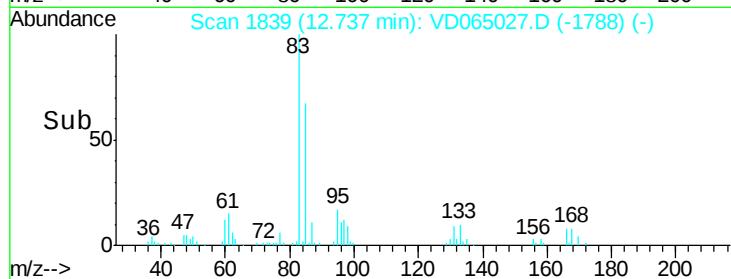
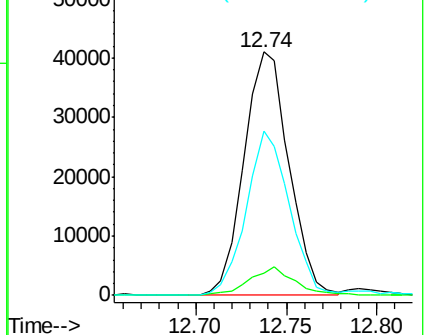
85 64.3 31.6 94.7



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: 38.78 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065027.D

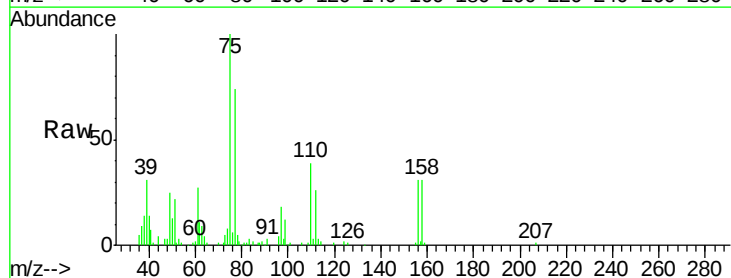
Acq: 31 Jan 2020 12:01

Tgt Ion: 75 Resp: 94531

Ion Ratio Lower Upper

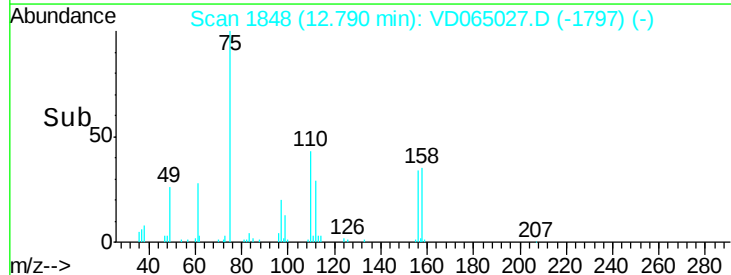
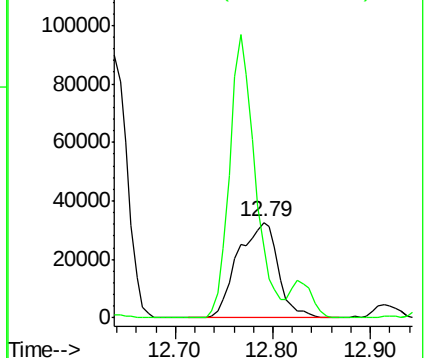
75 100

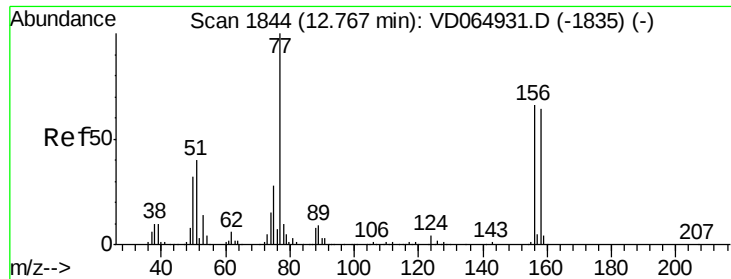
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 21.32 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0131SBSD01

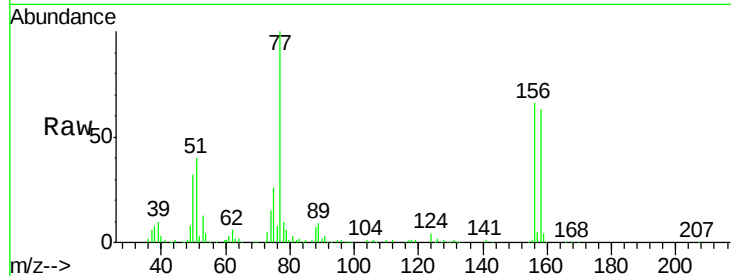
Tgt Ion:156 Resp: 104687

Ion Ratio Lower Upper

156 100

77 170.5 84.2 252.5

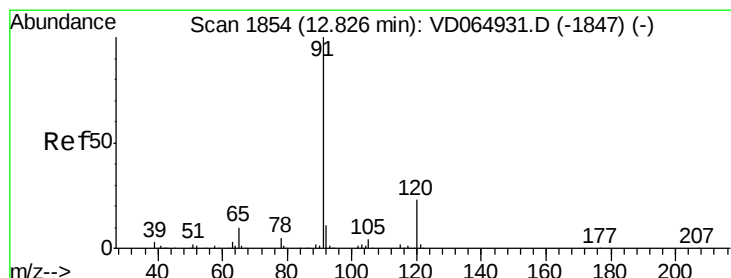
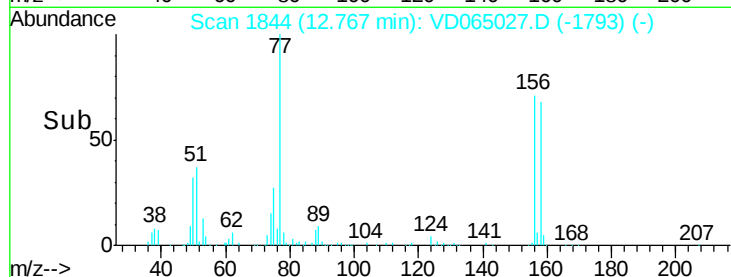
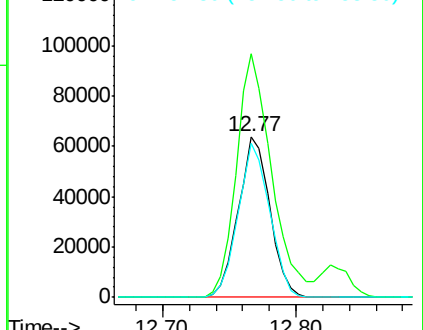
158 95.9 48.1 144.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.22 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD065027.D

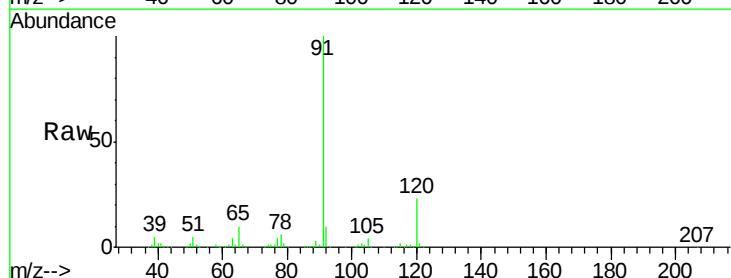
Acq: 31 Jan 2020 12:01

Tgt Ion: 91 Resp: 506450

Ion Ratio Lower Upper

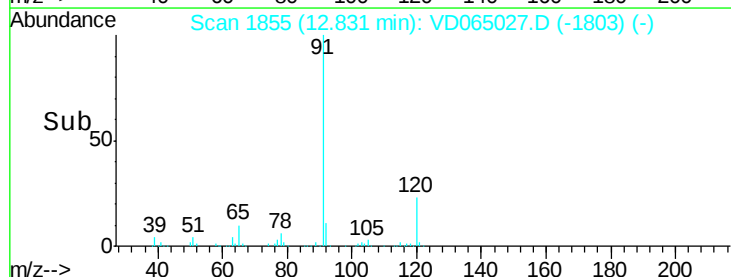
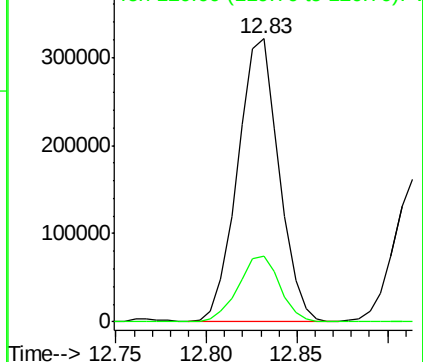
91 100

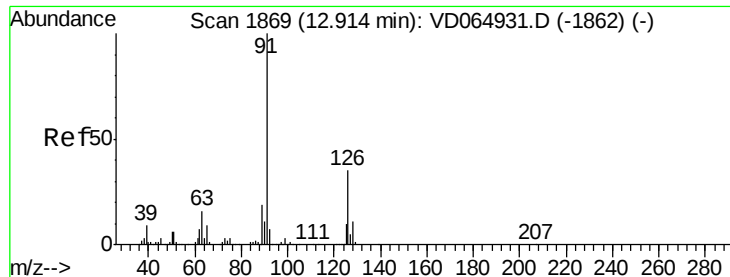
120 23.5 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

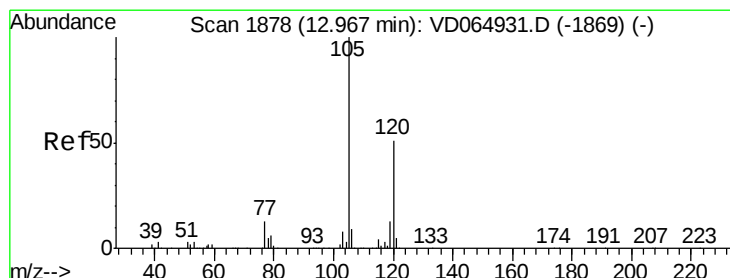
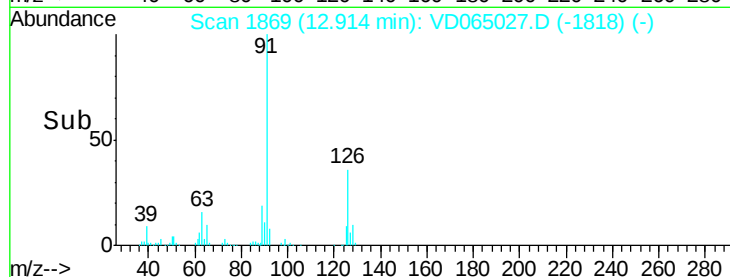
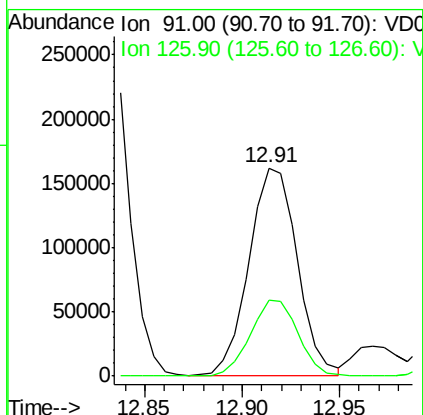
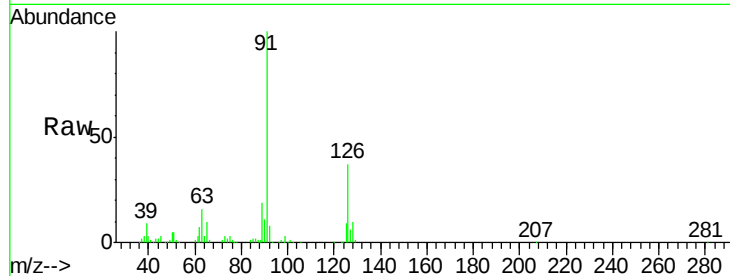




#79
 2-Chlorotoluene
 Concen: 21.20 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065027.D
 Acq: 31 Jan 2020 12:01

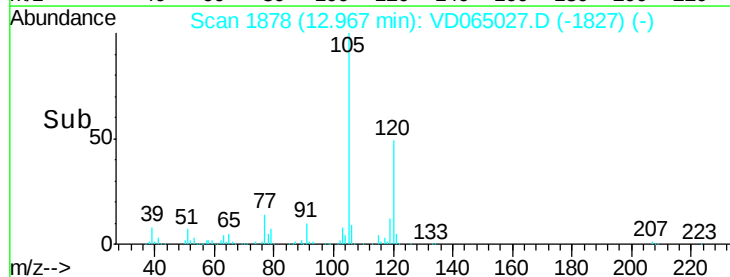
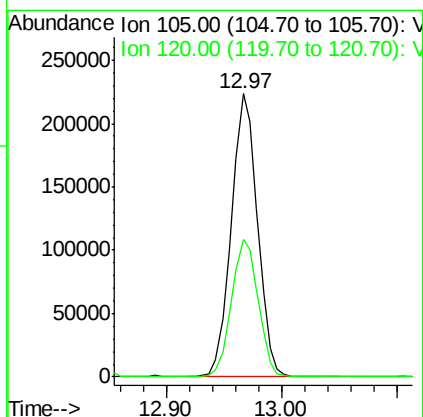
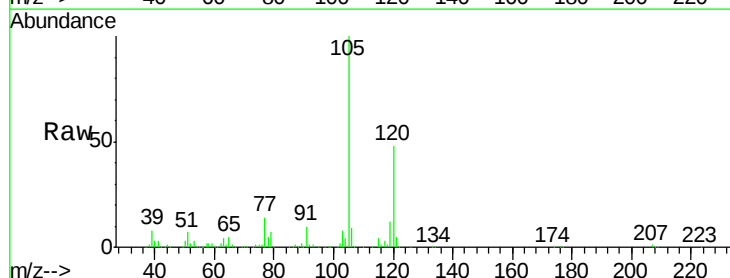
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0131SBSD01

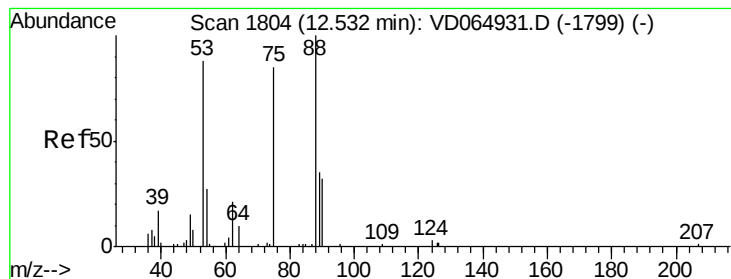
Tgt Ion: 91 Resp: 277596
 Ion Ratio Lower Upper
 91 100
 126 36.1 17.9 53.8



#80
 1,3,5-Trimethylbenzene
 Concen: 21.33 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065027.D
 Acq: 31 Jan 2020 12:01

Tgt Ion: 105 Resp: 350897
 Ion Ratio Lower Upper
 105 100
 120 49.1 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 21.25 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0131SBSD01

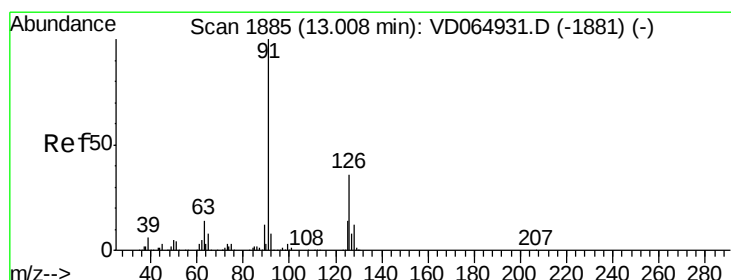
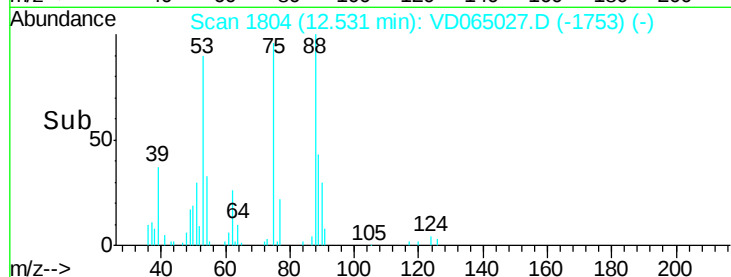
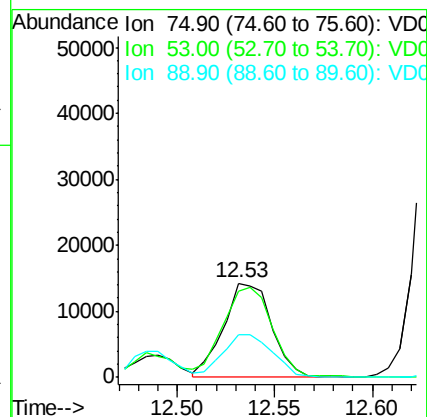
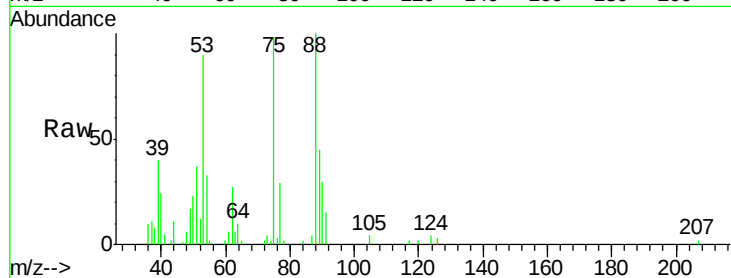
Tgt Ion: 75 Resp: 24257

Ion Ratio Lower Upper

75 100

53 98.8 81.0 121.4

89 47.9 36.2 54.4



#82

4-Chlorotoluene

Concen: 21.44 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD065027.D

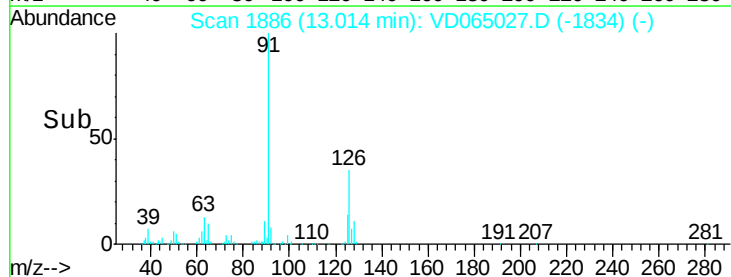
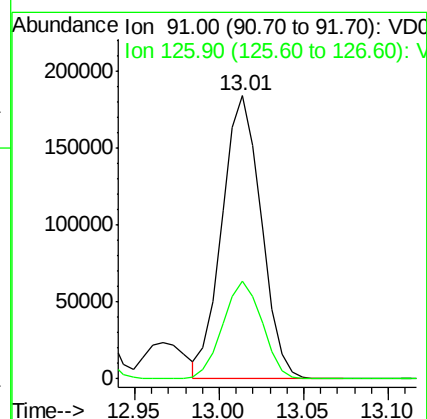
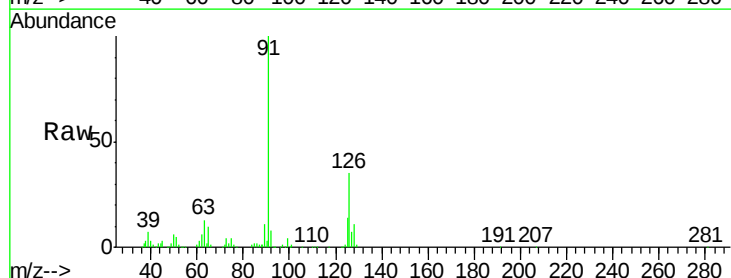
Acq: 31 Jan 2020 12:01

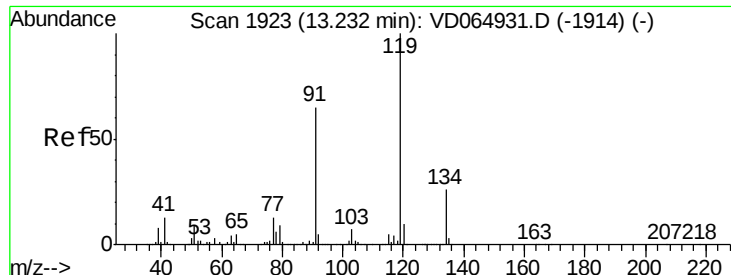
Tgt Ion: 91 Resp: 297686

Ion Ratio Lower Upper

91 100

126 35.0 18.0 54.0

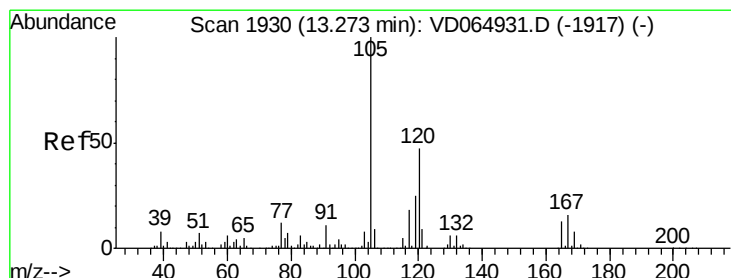
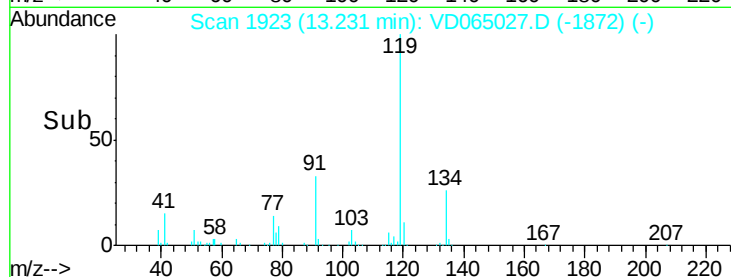
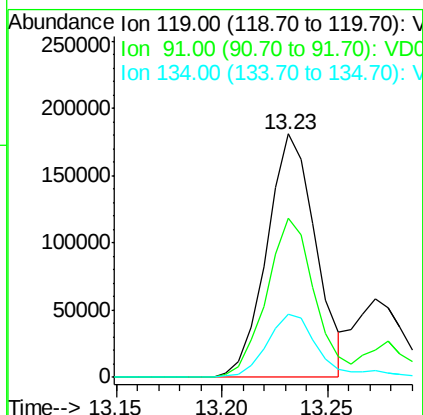
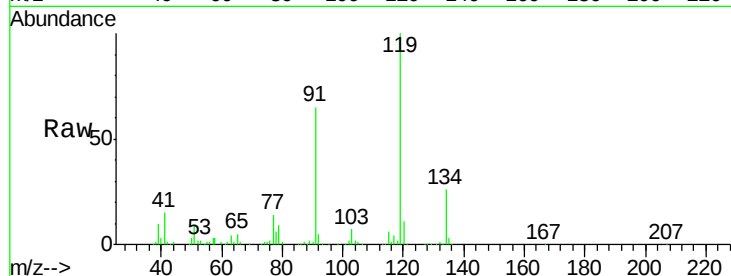




#83
tert-Butylbenzene
Concen: 20.86 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

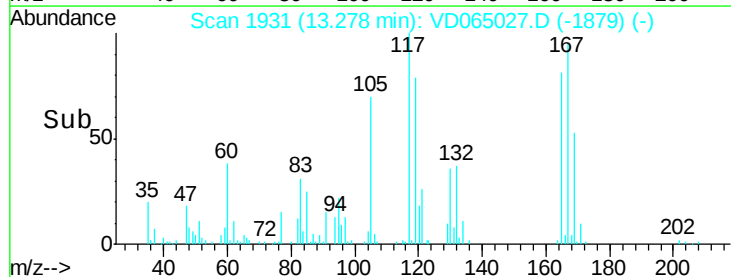
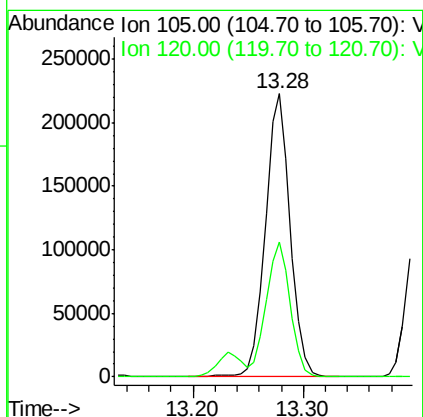
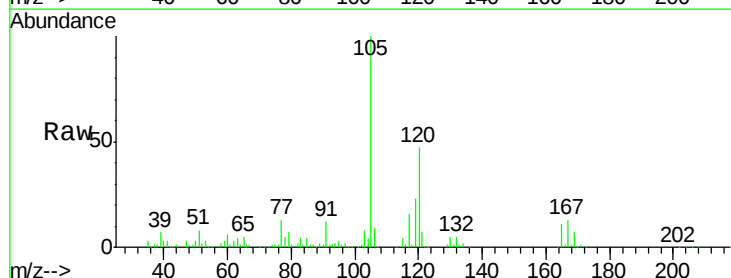
Instrument :
MSVOA_D
ClientSampleId :
VD0131SBSD01

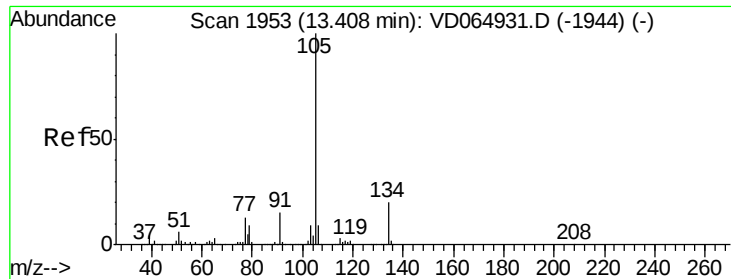
Tgt Ion:119 Resp: 291151
Ion Ratio Lower Upper
119 100
91 64.4 32.0 96.0
134 27.6 13.9 41.6



#84
1,2,4-Trimethylbenzene
Concen: 20.90 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Tgt Ion:105 Resp: 348254
Ion Ratio Lower Upper
105 100
120 46.7 23.1 69.3





#85

sec-Butylbenzene

Concen: 20.95 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.01 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

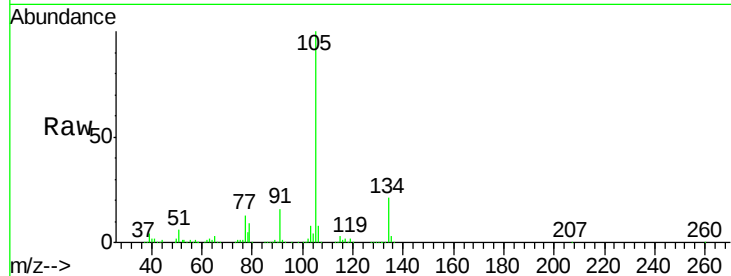
VD0131SBSD01

Tgt Ion:105 Resp: 414089

Ion Ratio Lower Upper

105 100

134 20.6 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

250000

200000

150000

100000

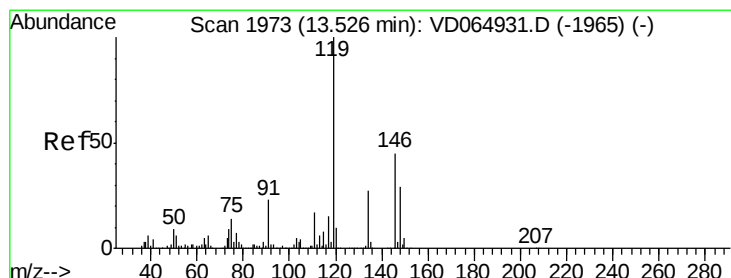
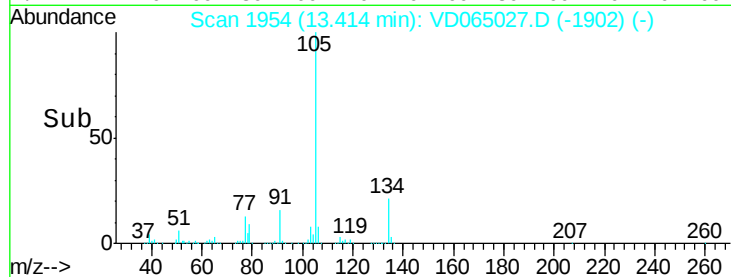
50000

0

Time-->

13.40

13.50



#86

p-Isopropyltoluene

Concen: 20.79 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065027.D

Acq: 31 Jan 2020 12:01

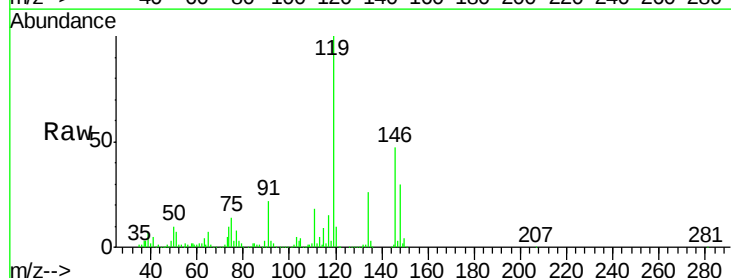
Tgt Ion:119 Resp: 384408

Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.9

91 22.6 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.53

300000

200000

100000

0

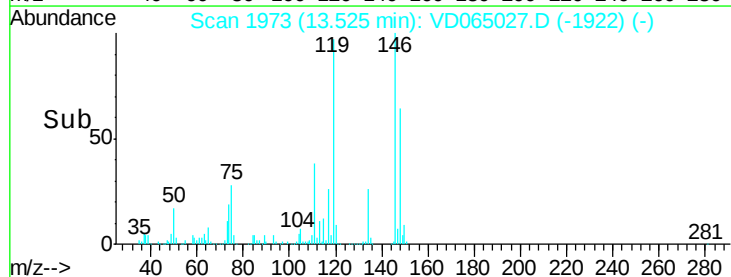
Time-->

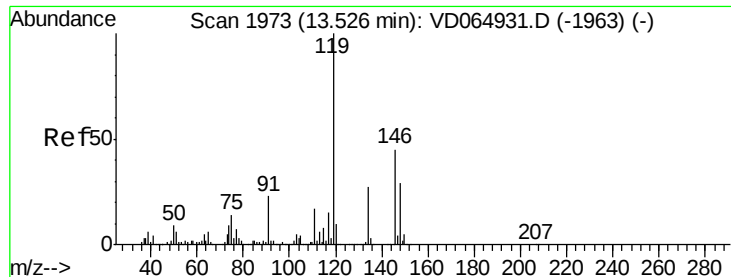
13.45

13.50

13.55

13.60

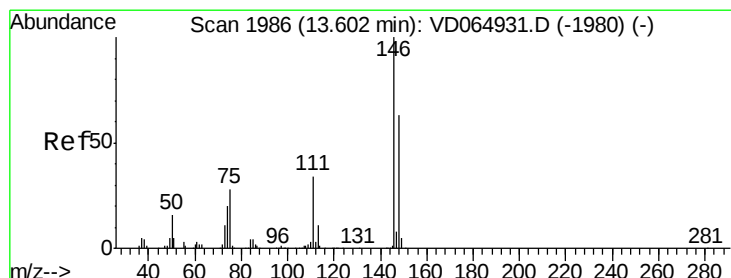
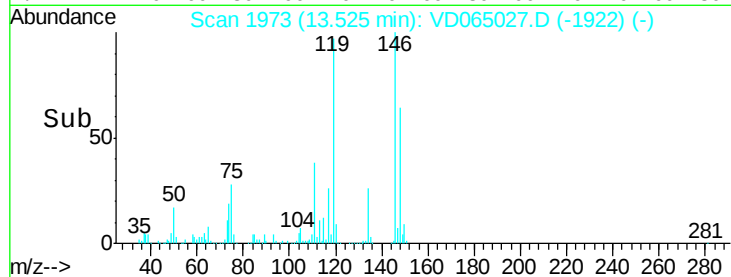
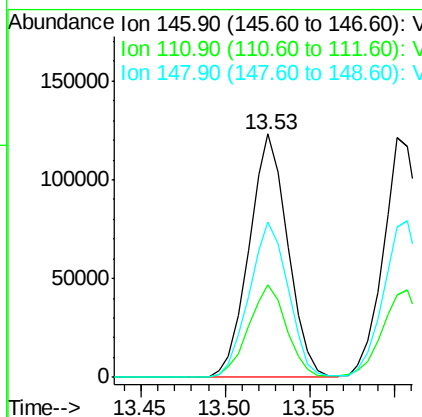
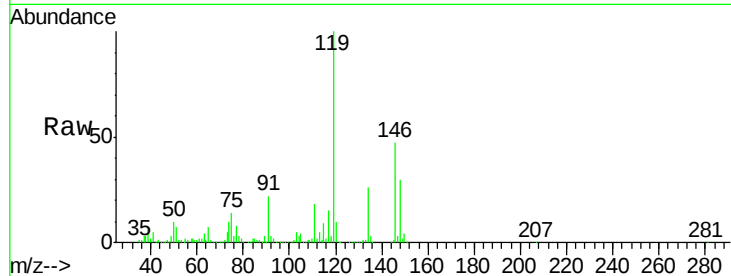




#87
 1,3-Dichlorobenzene
 Concen: 20.76 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065027.D
 Acq: 31 Jan 2020 12:01

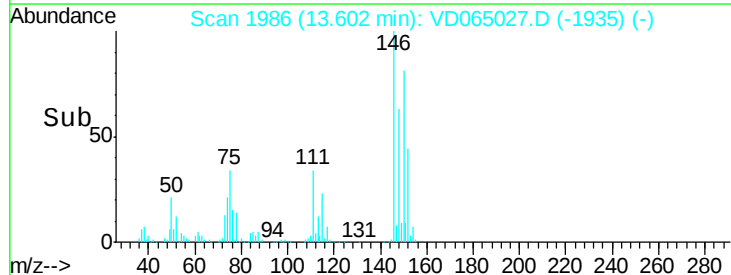
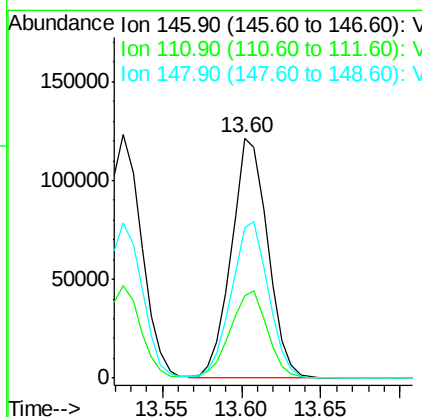
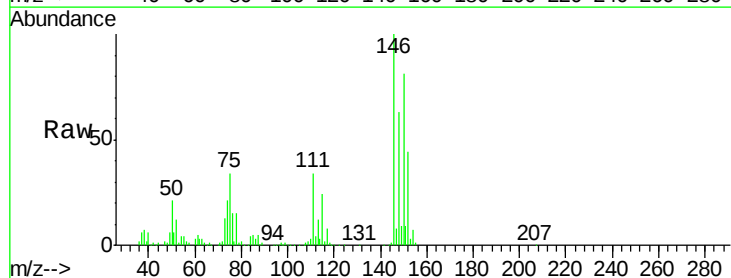
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0131SBSD01

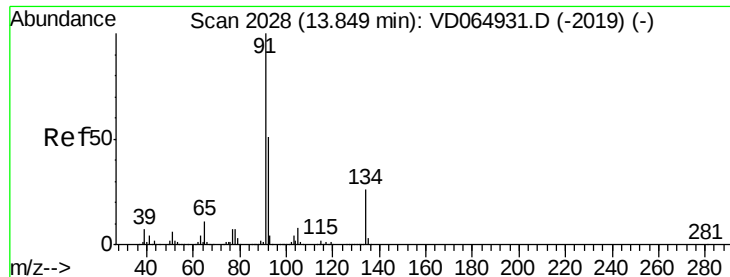
Tgt Ion:146 Resp: 195585
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.9 56.9
 148 64.6 32.6 97.7



#88
 1,4-Dichlorobenzene
 Concen: 20.74 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065027.D
 Acq: 31 Jan 2020 12:01

Tgt Ion:146 Resp: 193958
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.2 54.6
 148 66.3 32.0 96.0

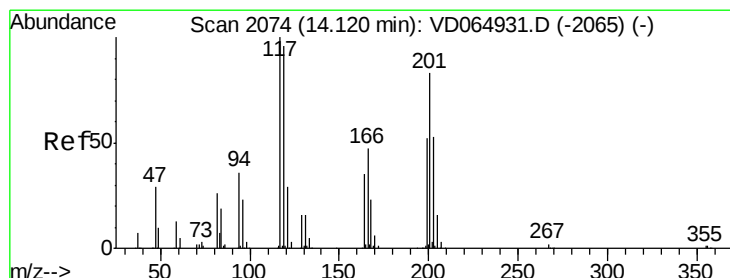
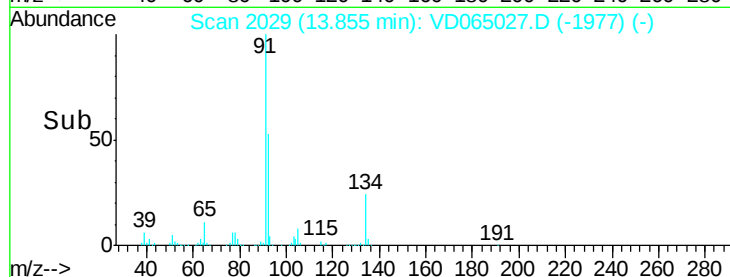
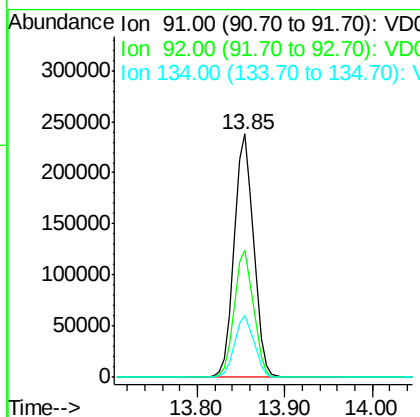
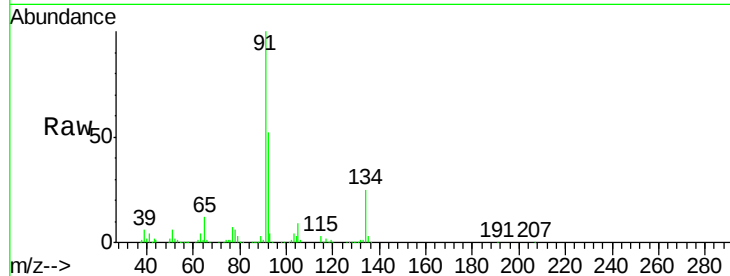




#89
n-Butylbenzene
Concen: 21.15 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

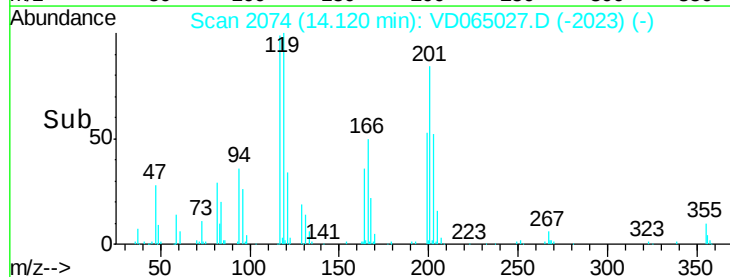
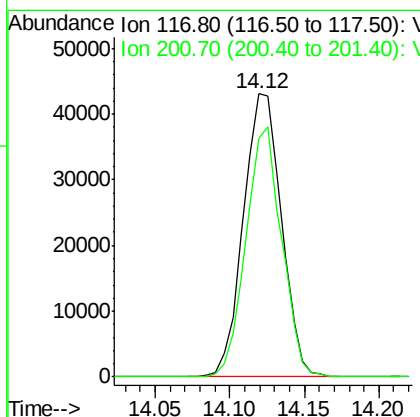
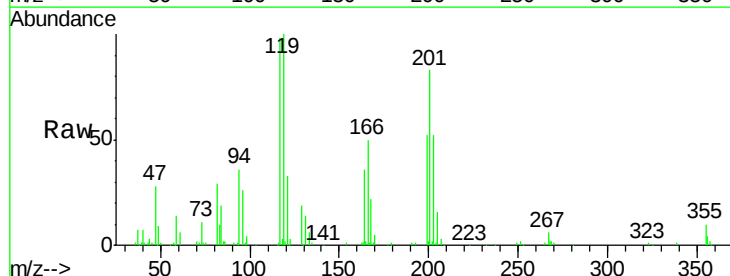
Instrument :
MSVOA_D
ClientSampleId :
VD0131SBSD01

Tgt Ion: 91 Resp: 357004
Ion Ratio Lower Upper
91 100
92 51.8 26.4 79.0
134 25.4 13.3 39.9



#90
Hexachloroethane
Concen: 21.30 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Tgt Ion: 117 Resp: 75960
Ion Ratio Lower Upper
117 100
201 82.7 41.1 123.3

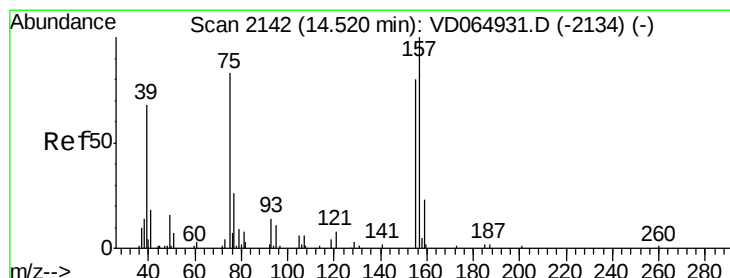
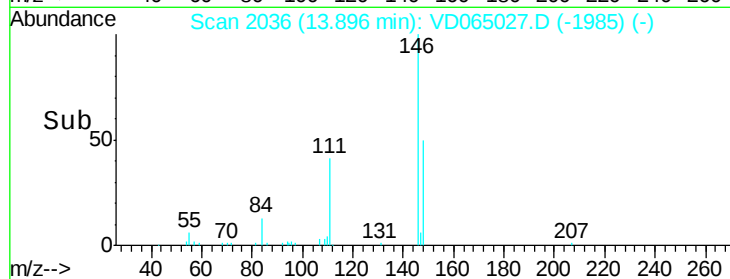
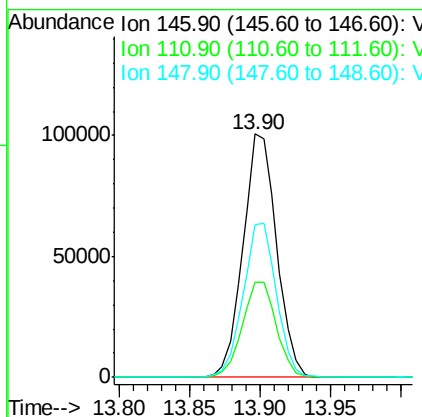
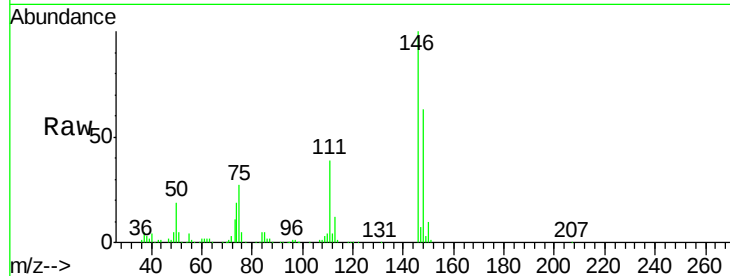




#91
 1,2-Dichlorobenzene
 Concen: 21.02 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD065027.D
 Acq: 31 Jan 2020 12:01

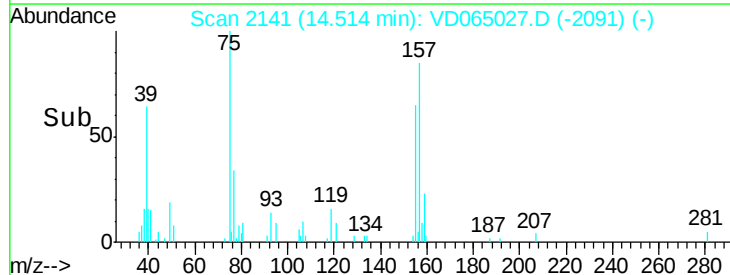
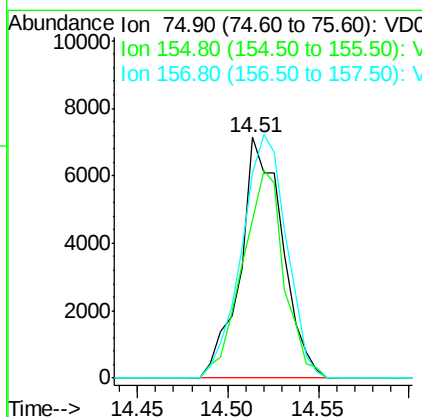
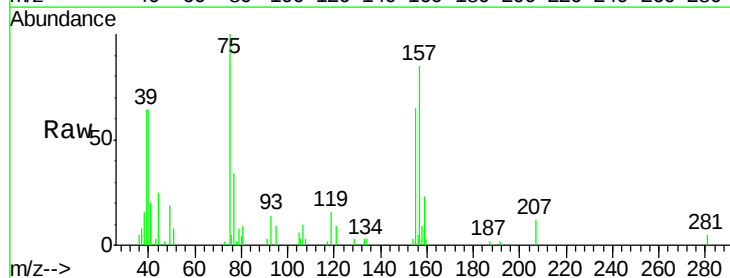
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0131SBSD01

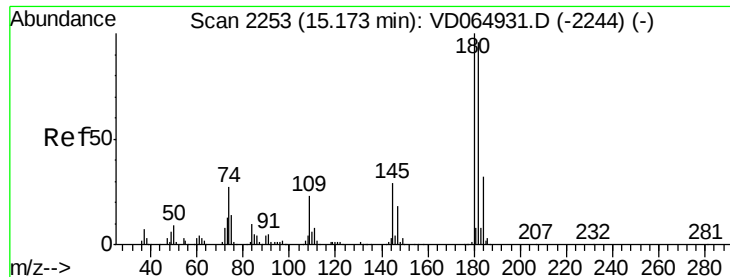
Tgt Ion:146 Resp: 168151
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.4 58.2
 148 62.6 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.26 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065027.D
 Acq: 31 Jan 2020 12:01

Tgt Ion: 75 Resp: 11475
 Ion Ratio Lower Upper
 75 100
 155 85.6 44.9 134.7
 157 107.9 58.9 176.6

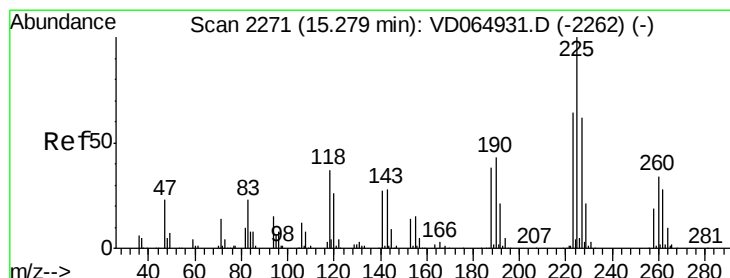
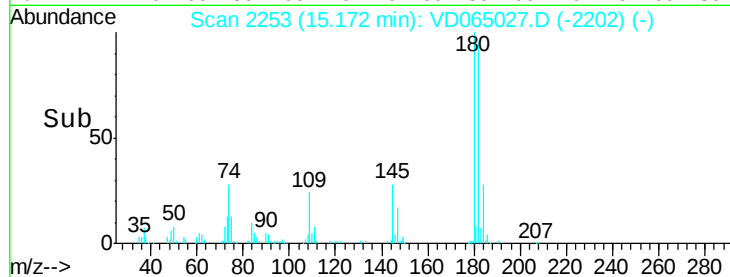
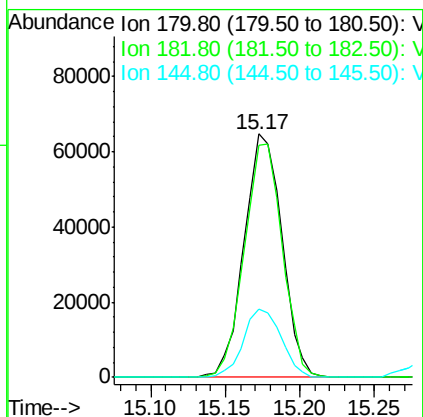
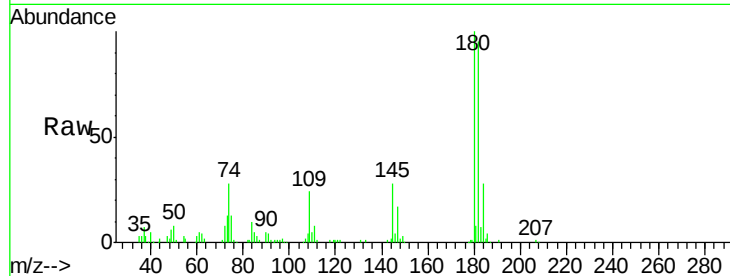




#93
 1,2,4-Trichlorobenzene
 Concen: 20.54 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065027.D
 Acq: 31 Jan 2020 12:01

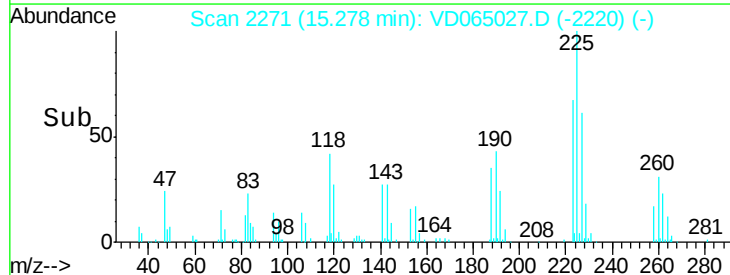
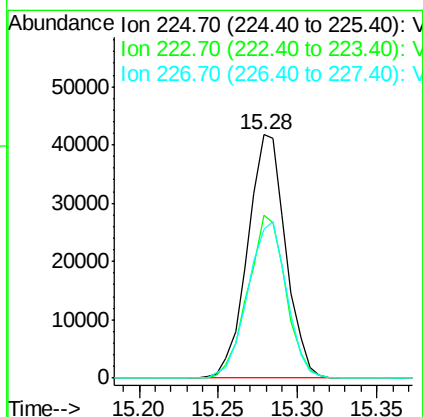
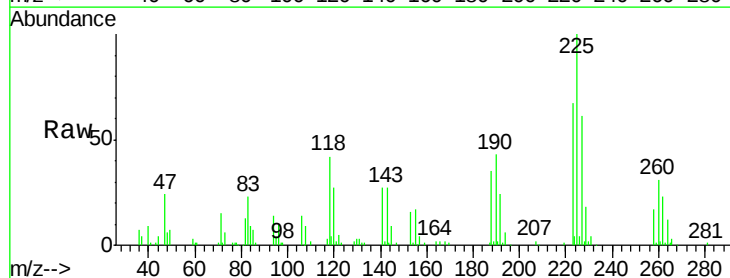
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0131SBSD01

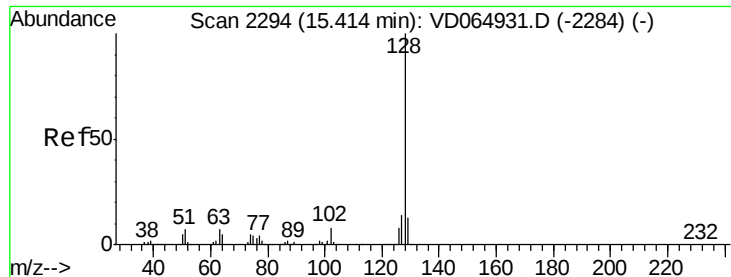
Tgt Ion:180 Resp: 113679
 Ion Ratio Lower Upper
 180 100
 182 96.2 47.1 141.4
 145 27.9 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 19.95 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065027.D
 Acq: 31 Jan 2020 12:01

Tgt Ion:225 Resp: 69837
 Ion Ratio Lower Upper
 225 100
 223 66.5 32.4 97.2
 227 65.5 31.9 95.9

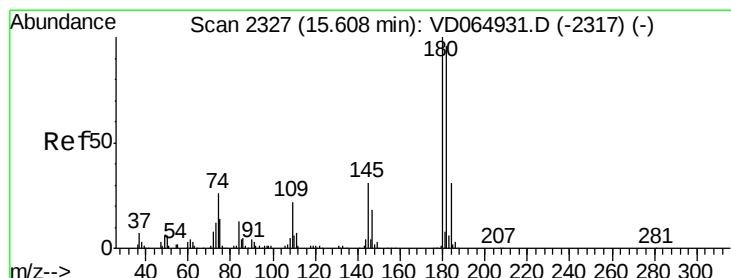
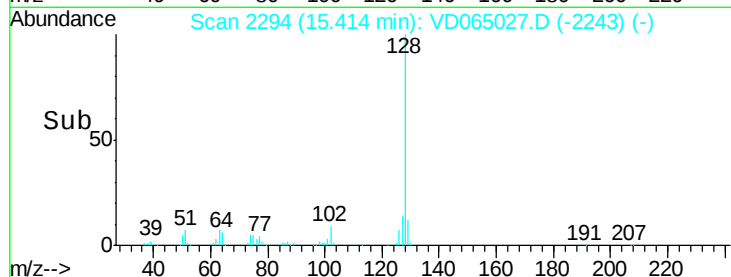
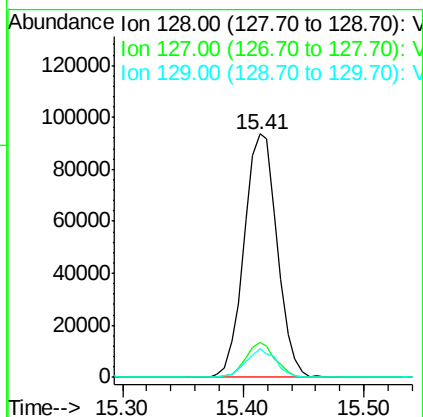
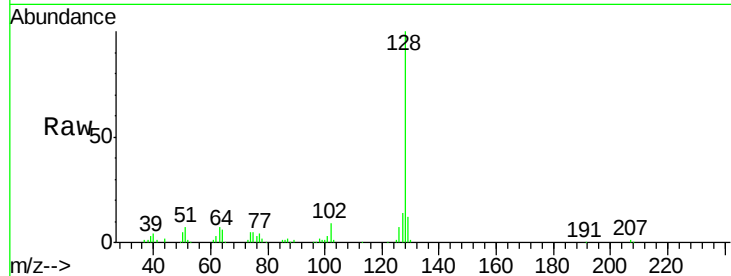




#95
Naphthalene
Concen: 19.99 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0131SBSD01

Tgt Ion:128 Resp: 178523
Ion Ratio Lower Upper
128 100
127 13.0 10.6 15.8
129 10.7 9.3 13.9



#96
1,2,3-Trichlorobenzene
Concen: 20.34 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065027.D
Acq: 31 Jan 2020 12:01

Tgt Ion:180 Resp: 97580
Ion Ratio Lower Upper
180 100
182 96.1 47.3 141.8
145 28.9 14.6 43.8

