

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101520\
 Data File : VD067276.D
 Acq On : 15 Oct 2020 11:55
 Operator : VA/SY
 Sample : VD1015SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

Quant Time: Oct 16 01:12:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 14 03:30:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	341152	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	504034	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	472859	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	243269	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	173105	50.65	ug/l	0.00
Spiked Amount			Recovery	=	101.30%	
35) Dibromofluoromethane	7.91	113	175656	52.37	ug/l	0.00
Spiked Amount			Recovery	=	104.74%	
50) Toluene-d8	10.34	98	641191	52.82	ug/l	0.00
Spiked Amount			Recovery	=	105.64%	
62) 4-Bromofluorobenzene	12.64	95	224679	53.23	ug/l	0.00
Spiked Amount			Recovery	=	106.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	61577	19.850	ug/l	99
3) Chloromethane	2.21	50	45856	21.358	ug/l	96
4) Vinyl Chloride	2.35	62	49111	20.847	ug/l	98
5) Bromomethane	2.76	94	38069	21.902	ug/l	93
6) Chloroethane	2.91	64	29604	20.178	ug/l	88
7) Trichlorofluoromethane	3.27	101	121704	20.517	ug/l	98
8) Diethyl Ether	3.70	74	25237	18.592	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.09	101	62450	19.815	ug/l	97
10) Methyl Iodide	4.30	142	56115	19.302	ug/l	98
11) Tert butyl alcohol	5.21	59	18372	70.685	ug/l	99
12) 1,1-Dichloroethene	4.07	96	58088	20.631	ug/l	99
13) Acrolein	3.92	56	12480	77.466	ug/l	95
14) Allyl chloride	4.72	41	64729	20.075	ug/l	98
15) Acrylonitrile	5.42	53	46596	102.878	ug/l	99
16) Acetone	4.16	43	47426	99.079	ug/l	99
17) Carbon Disulfide	4.41	76	157009	19.561	ug/l	100
18) Methyl Acetate	4.71	43	21790	19.958	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	110983	19.824	ug/l	95
20) Methylene Chloride	4.96	84	70770	20.427	ug/l #	89
21) trans-1,2-Dichloroethene	5.47	96	65290	20.151	ug/l	95
22) Diisopropyl ether	6.36	45	126777	21.524	ug/l	99
23) Vinyl Acetate	6.30	43	355022	105.944	ug/l	98
24) 1,1-Dichloroethane	6.26	63	103324	20.493	ug/l	98
25) 2-Butanone	7.21	43	57353	105.113	ug/l	97
26) 2,2-Dichloropropane	7.21	77	107350	20.656	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	72138	20.314	ug/l	99
28) Bromochloromethane	7.54	49	32171	18.706	ug/l #	98
29) Tetrahydrofuran	7.56	42	31407	103.549	ug/l	96
30) Chloroform	7.71	83	122634	20.360	ug/l	88
31) Cyclohexane	7.98	56	78490	19.938	ug/l	91
32) 1,1,1-Trichloroethane	7.90	97	122053	20.653	ug/l	100
36) 1,1-Dichloropropene	8.11	75	90689	21.229	ug/l	98
37) Ethyl Acetate	7.28	43	26201	20.846	ug/l #	91
38) Carbon Tetrachloride	8.10	117	115818	21.212	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	90459	20.255	ug/l	96
40) Benzene	8.35	78	246862	21.064	ug/l	99
41) Methacrylonitrile	7.52	41	14599	21.494	ug/l	89
42) 1,2-Dichloroethane	8.43	62	76789	20.937	ug/l	99
43) Isopropyl Acetate	8.46	43	50604	20.290	ug/l #	57
44) Trichloroethene	9.11	130	78640	20.957	ug/l	96
45) 1,2-Dichloropropane	9.39	63	56490	20.798	ug/l	98
46) Dibromomethane	9.47	93	35904	21.216	ug/l	94
47) Bromodichloromethane	9.66	83	93608	20.645	ug/l	95
48) Methyl methacrylate	9.46	41	23866	19.691	ug/l	100
49) 1,4-Dioxane	9.46	88	6969	407.544	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	128252	103.101	ug/l	99
52) Toluene	10.41	92	171765	21.518	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	84116	21.119	ug/l	93
54) cis-1,3-Dichloropropene	10.09	75	97300	20.874	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	48701	21.104	ug/l	94
56) Ethyl methacrylate	10.66	69	50121	20.942	ug/l	96
57) 1,3-Dichloropropane	10.95	76	77902	21.212	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	126416	102.964	ug/l	99
59) 2-Hexanone	10.98	43	89157	104.887	ug/l	100
60) Dibromochloromethane	11.14	129	71528	21.254	ug/l	100
61) 1,2-Dibromoethane	11.25	107	50704	22.287	ug/l	95
64) Tetrachloroethene	10.88	164	67309	19.646	ug/l	95
65) Chlorobenzene	11.67	112	188240	20.760	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	75527	20.957	ug/l	97
67) Ethyl Benzene	11.75	91	323058	20.784	ug/l	99
68) m/p-Xylenes	11.86	106	259161	43.297	ug/l	98
69) o-Xylene	12.18	106	116230	20.970	ug/l	97
70) Styrene	12.20	104	204985	21.484	ug/l	98
71) Bromoform	12.37	173	41556	21.464	ug/l #	95
73) Isopropylbenzene	12.48	105	320976	20.789	ug/l	99
74) N-amyl acetate	12.30	43	46933	20.127	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	49358	20.864	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	30557m	18.123	ug/l	
77) Bromobenzene	12.77	156	80313	20.865	ug/l	97
78) n-propylbenzene	12.83	91	379956	21.240	ug/l	99
79) 2-Chlorotoluene	12.91	91	216735	20.892	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	284167	21.180	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	16093	21.644	ug/l	91
82) 4-Chlorotoluene	13.01	91	230495	20.934	ug/l	100
83) tert-Butylbenzene	13.23	119	237039	20.915	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	286272	21.588	ug/l	100
85) sec-Butylbenzene	13.41	105	325109	20.906	ug/l	99
86) p-Isopropyltoluene	13.53	119	313210	21.338	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	155387	20.973	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	154989	21.115	ug/l	98
89) n-Butylbenzene	13.85	91	265542	20.564	ug/l	99
90) Hexachloroethane	14.12	117	52636	20.550	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	134195	20.734	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	8493	19.761	ug/l	86

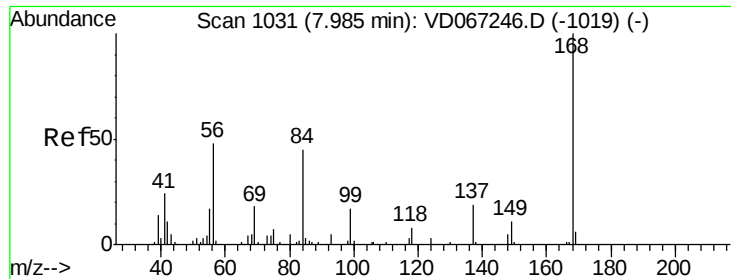
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101520\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	91243	20.909	ug/l	99
94) Hexachlorobutadiene	15.28	225	56244	20.755	ug/l	98
95) Naphthalene	15.41	128	141236	19.713	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	78173	20.736	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067276.D

Acq: 15 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

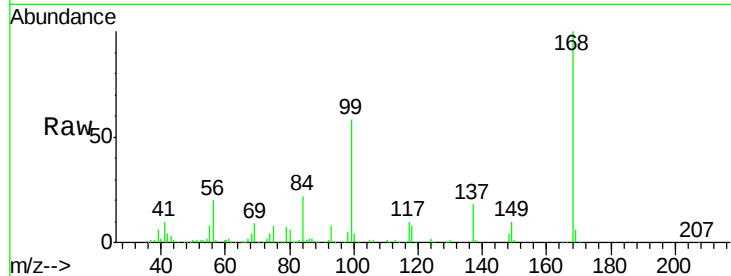
VD1015SBS01

Tot Ion:168 Resp: 341152

Ion Ratio Lower Upper

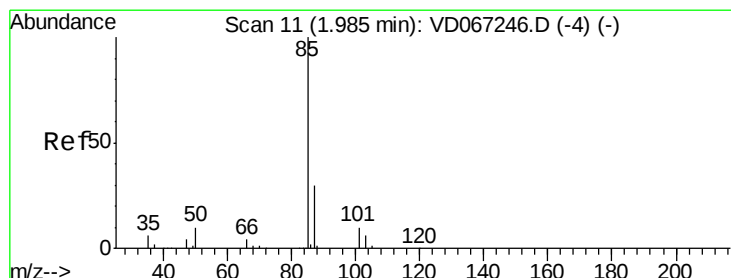
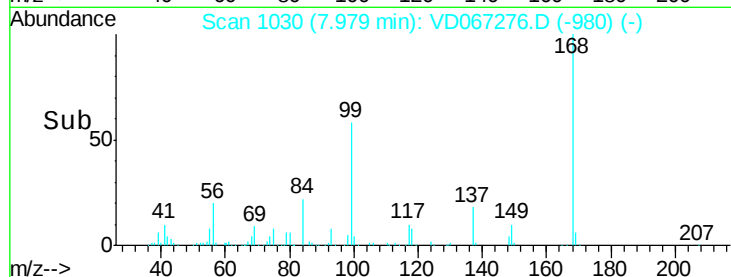
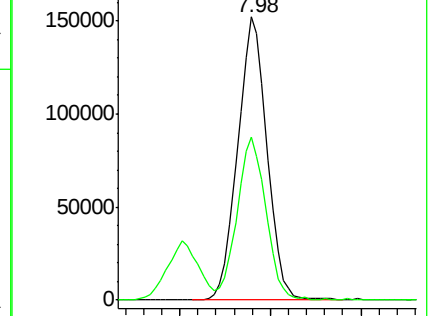
168 100

99 57.5 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 19.850 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067276.D

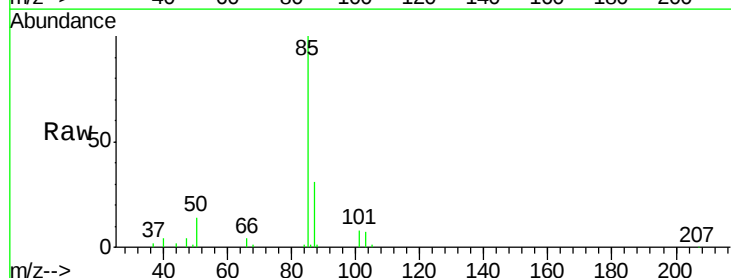
Acq: 15 Oct 2020 11:55

Tgt Ion: 85 Resp: 61577

Ion Ratio Lower Upper

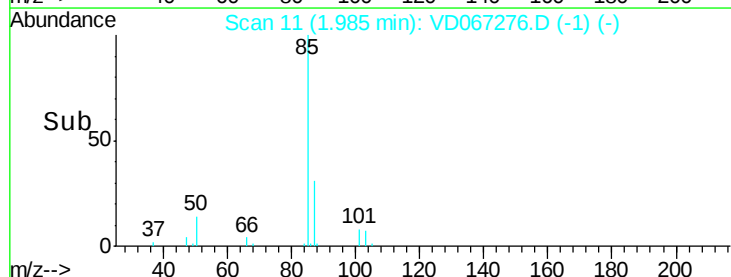
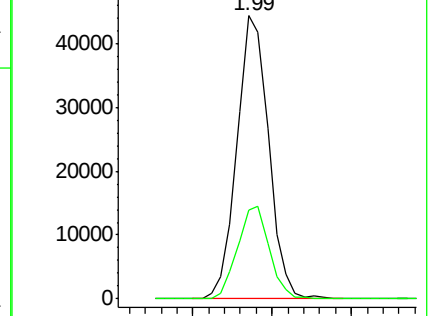
85 100

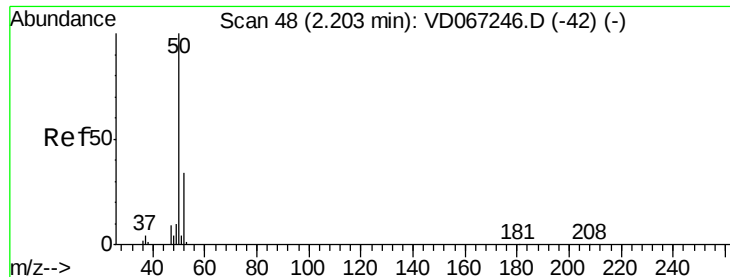
87 31.2 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.358 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067276.D

Acq: 15 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

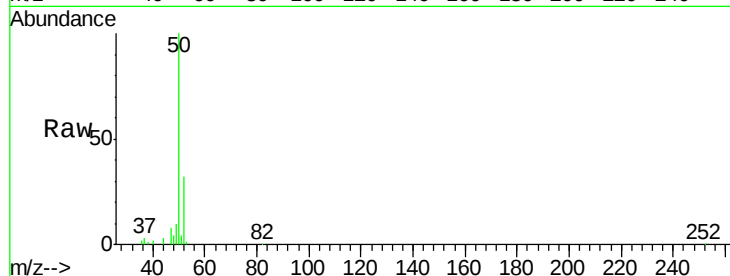
VD1015SBS01

Tot Ion: 50 Resp: 45856

Ion Ratio Lower Upper

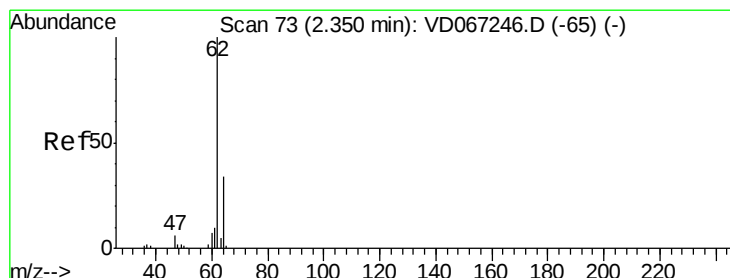
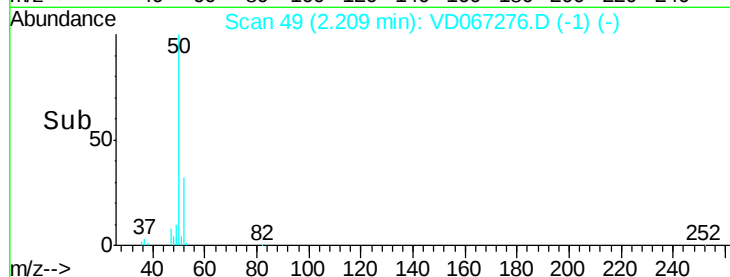
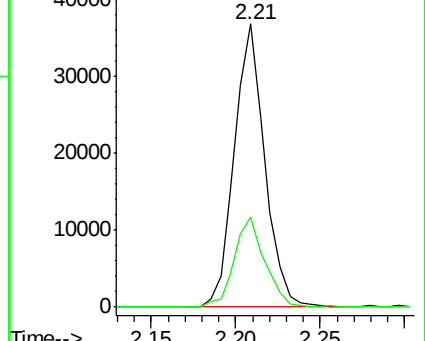
50 100

52 31.9 27.1 40.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.847 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067276.D

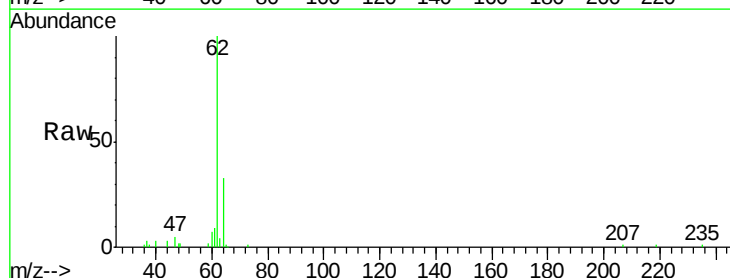
Acq: 15 Oct 2020 11:55

Tgt Ion: 62 Resp: 49111

Ion Ratio Lower Upper

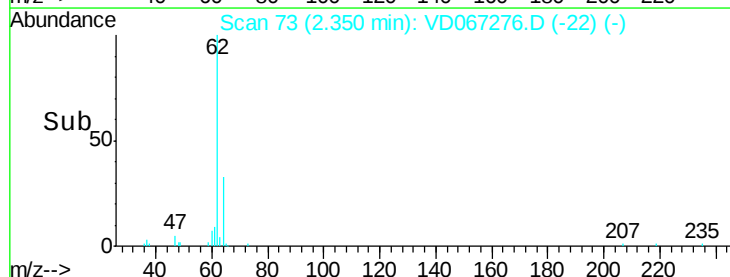
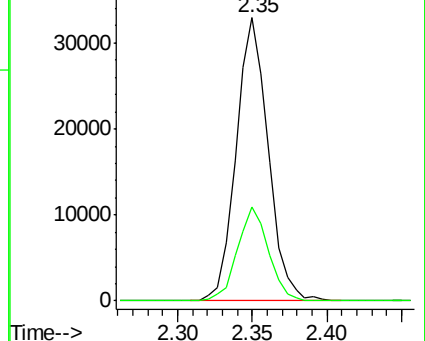
62 100

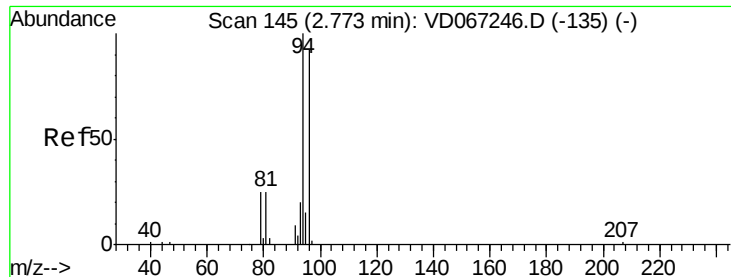
64 33.3 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.902 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD067276.D

Acq: 15 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

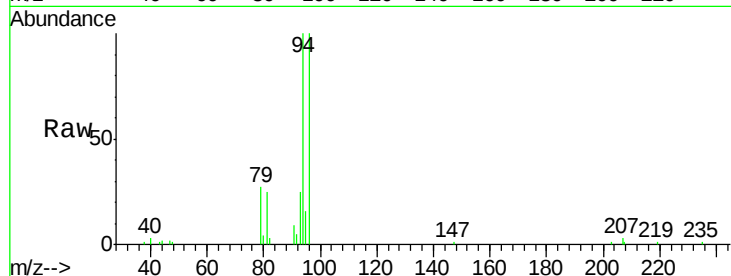
VD1015SBS01

Tot Ion: 94 Resp: 38069

Ion Ratio Lower Upper

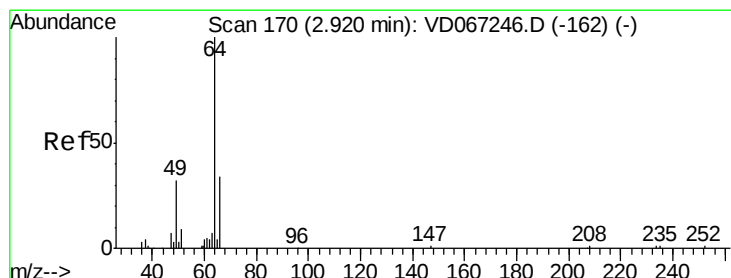
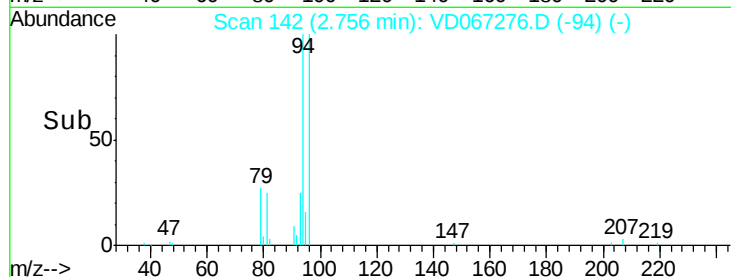
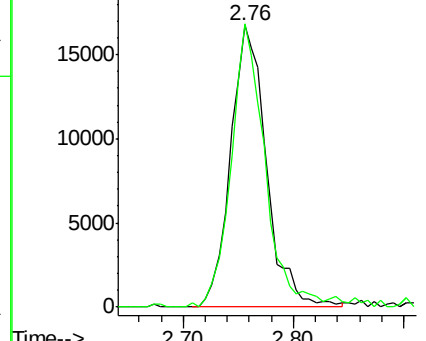
94 100

96 99.1 73.8 110.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.178 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD067276.D

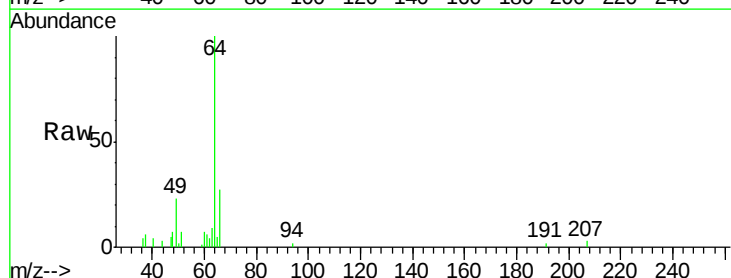
Acq: 15 Oct 2020 11:55

Tgt Ion: 64 Resp: 29604

Ion Ratio Lower Upper

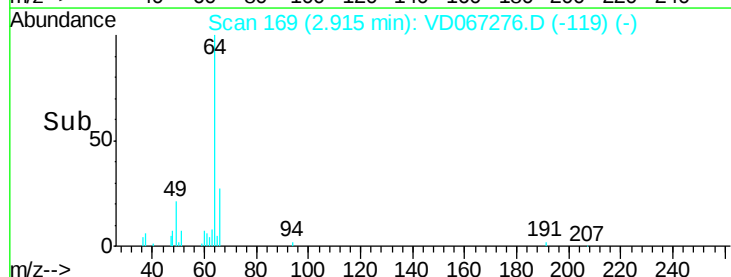
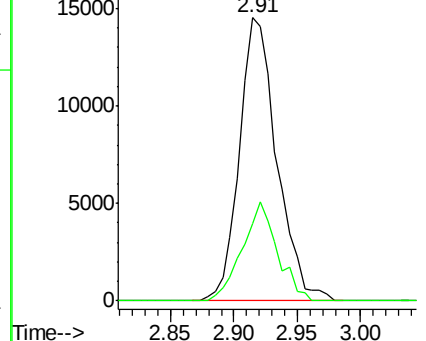
64 100

66 27.4 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



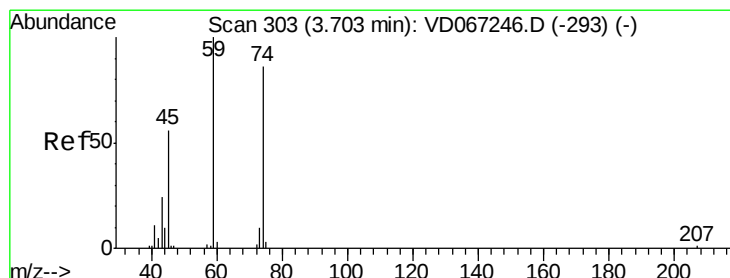
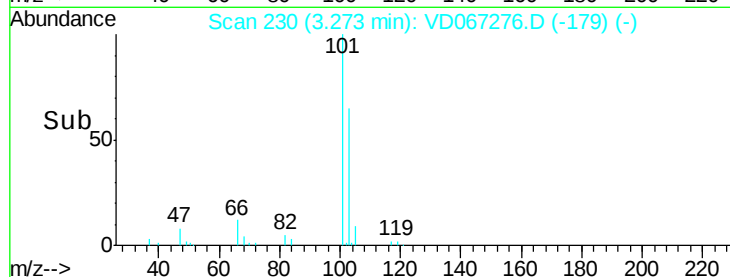
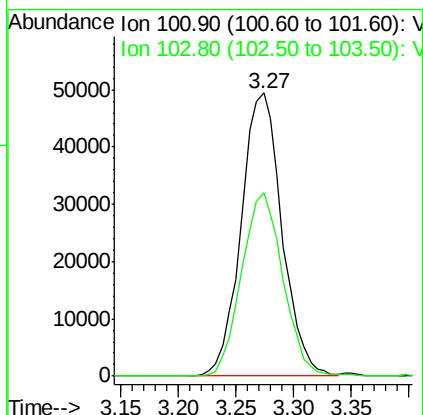
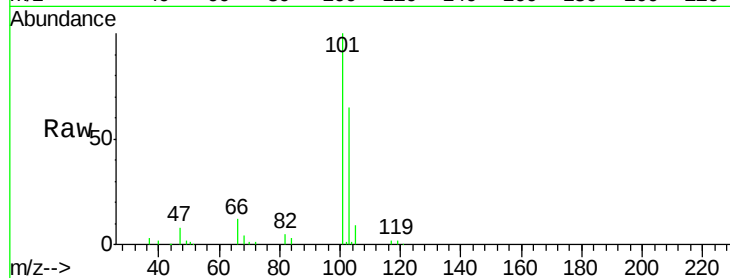


#7

Trichlorofluoromethane
 Concen: 20.517 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD067276.D
 Acq: 15 Oct 2020 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

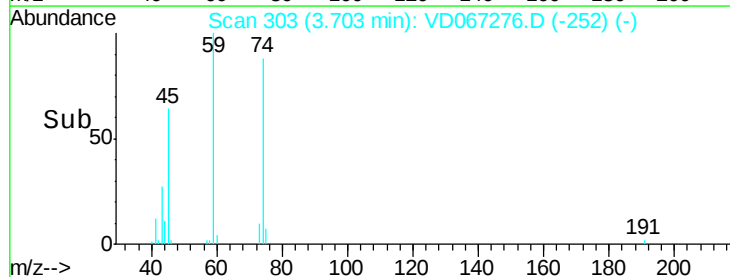
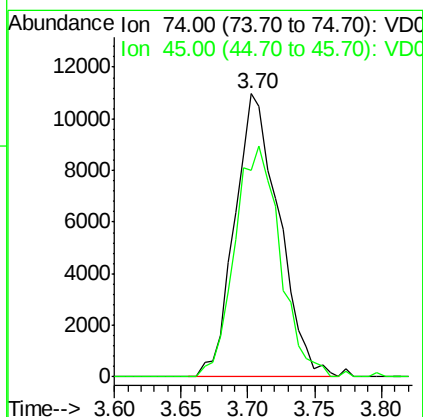
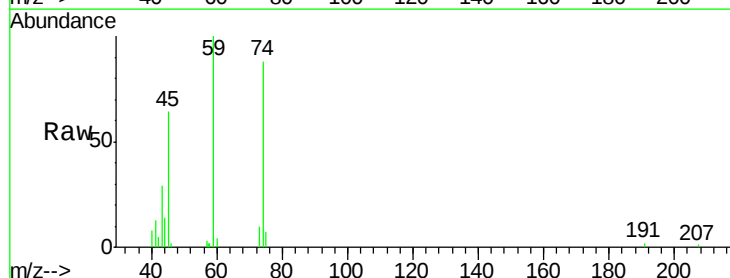
Tot Ion:101 Resp: 121704
 Ion Ratio Lower Upper
 101 100
 103 64.6 53.1 79.7

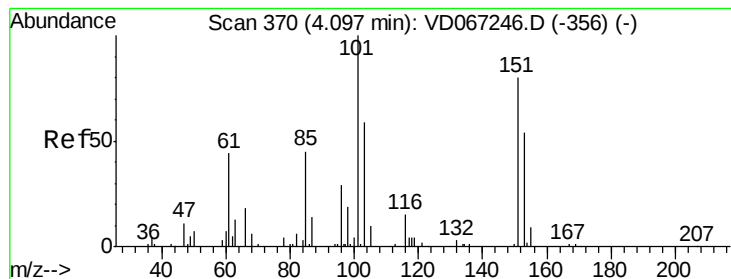


#8

Diethyl Ether
 Concen: 18.592 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. 0.00 min
 Lab File: VD067276.D
 Acq: 15 Oct 2020 11:55

Tgt Ion: 74 Resp: 25237
 Ion Ratio Lower Upper
 74 100
 45 83.3 37.0 111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.815 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067276.D

Acq: 15 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

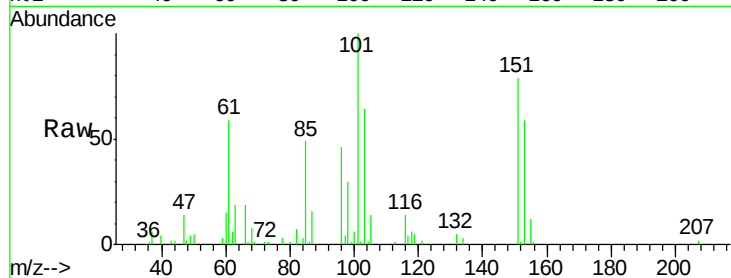
Tot Ion:101 Resp: 62450

Ion Ratio Lower Upper

101 100

85 43.0 34.2 51.4

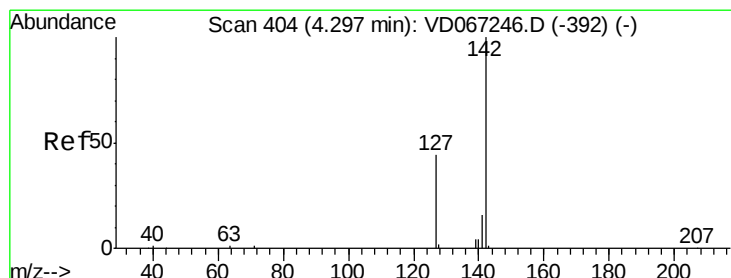
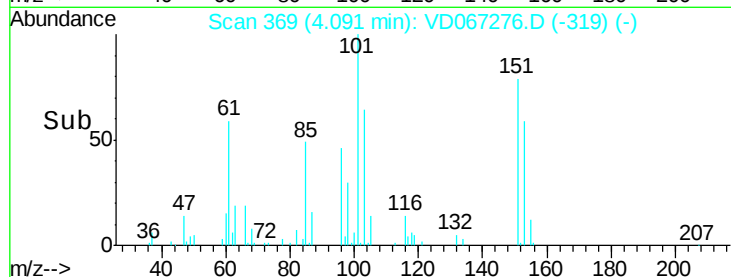
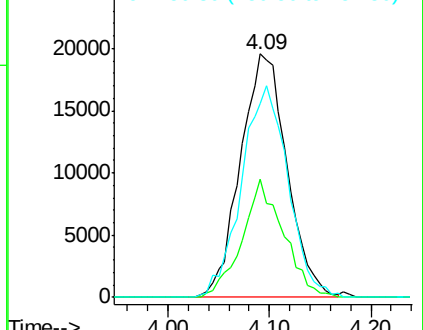
151 86.6 66.3 99.5



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: 19.302 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD067276.D

Acq: 15 Oct 2020 11:55

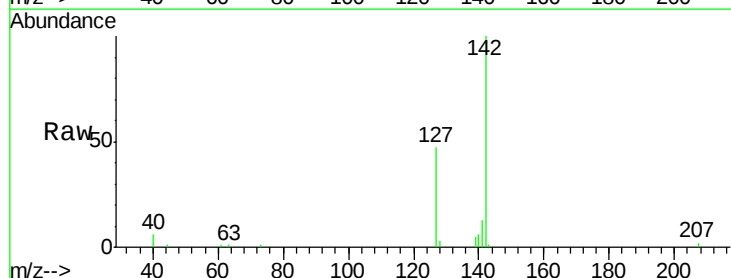
Tgt Ion:142 Resp: 56115

Ion Ratio Lower Upper

142 100

127 50.0 38.4 57.6

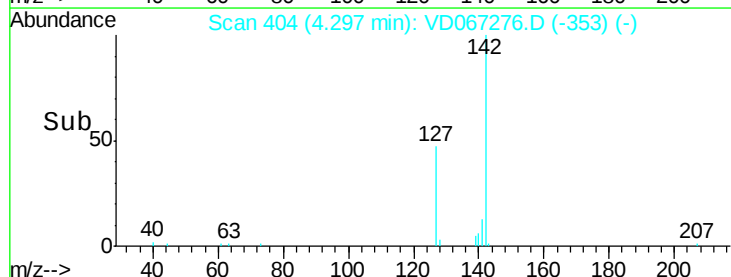
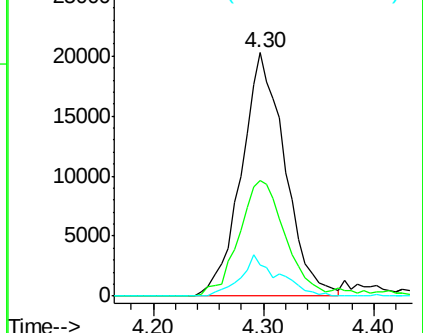
141 14.6 11.6 17.4

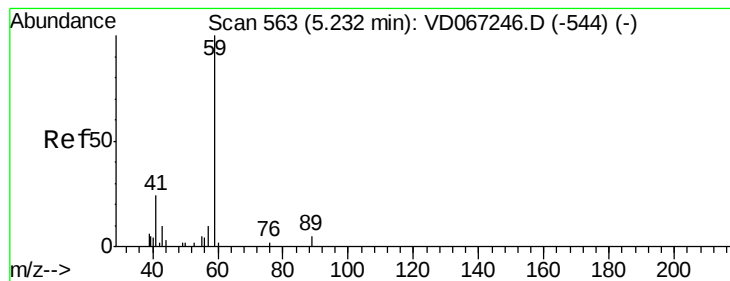


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 70.685 ug/l

RT: 5.21 min Scan# 560

Delta R.T. -0.02 min

Lab File: VD067276.D

Acq: 15 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

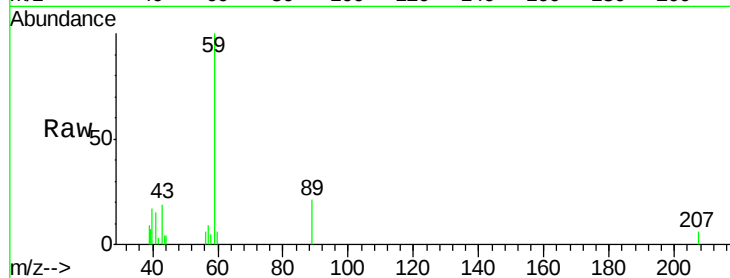
VD1015SBS01

Tot Ion: 59 Resp: 18372

Ion Ratio Lower Upper

59 100

57 6.0 5.1 7.7



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.21

4000

3000

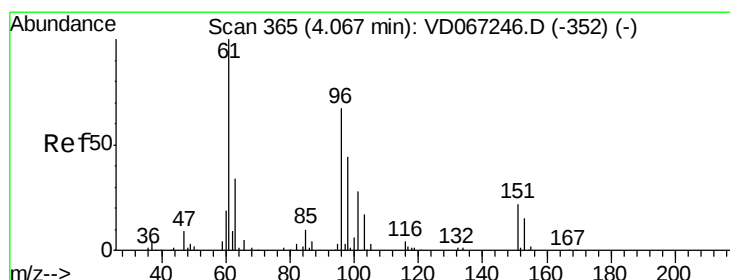
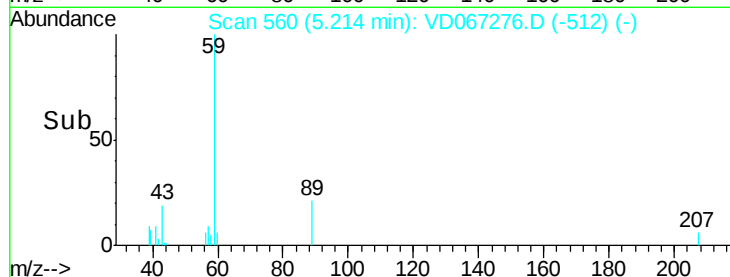
2000

1000

0

Time-->

5.10 5.20 5.30



#12

1,1-Dichloroethene

Concen: 20.631 ug/l

RT: 4.07 min Scan# 365

Delta R.T. 0.00 min

Lab File: VD067276.D

Acq: 15 Oct 2020 11:55

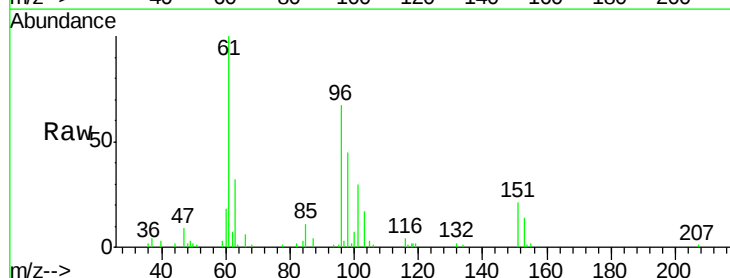
Tgt Ion: 96 Resp: 58088

Ion Ratio Lower Upper

96 100

61 148.6 118.6 177.8

98 66.2 51.8 77.6



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

40000

30000

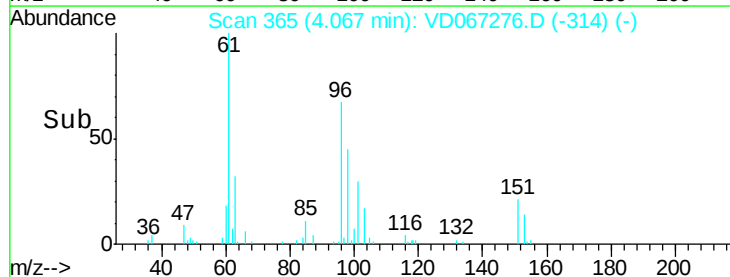
20000

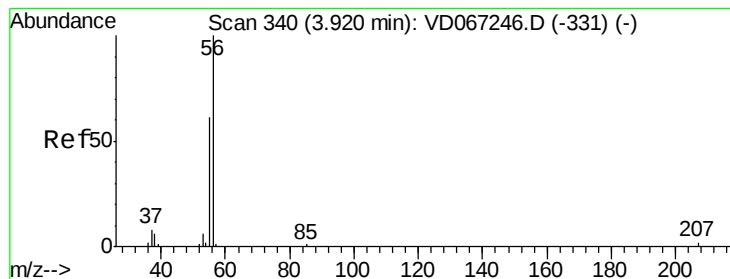
10000

0

Time-->

4.00 4.10 4.20





#13

Acrolein

Concen: 77.466 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067276.D

Acq: 15 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

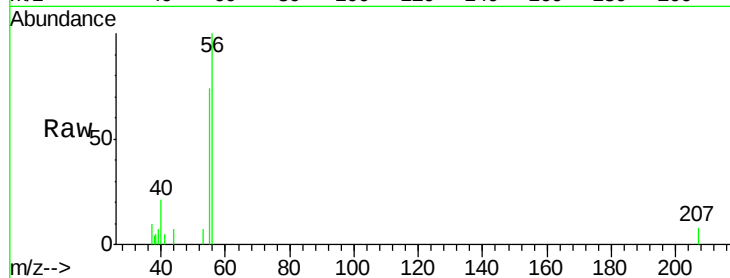
VD1015SBS01

Tot Ion: 56 Resp: 12480

Ion Ratio Lower Upper

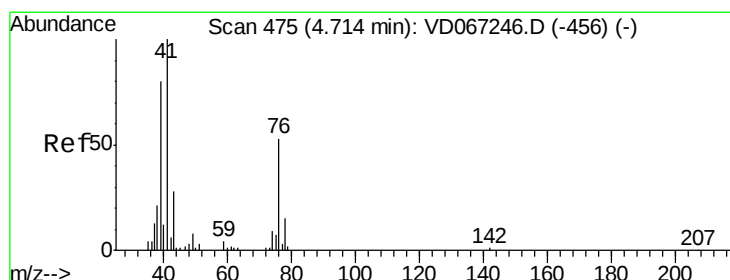
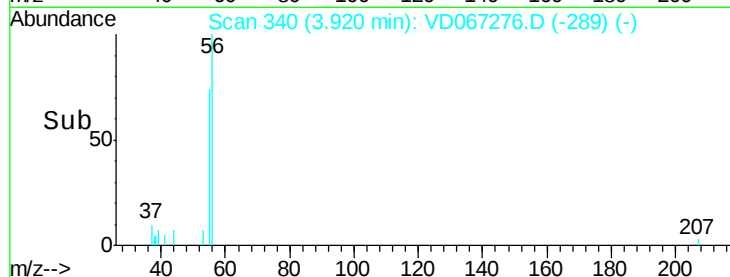
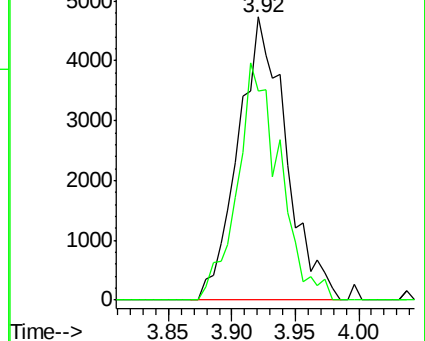
56 100

55 73.8 56.0 84.0



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.075 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067276.D

Acq: 15 Oct 2020 11:55

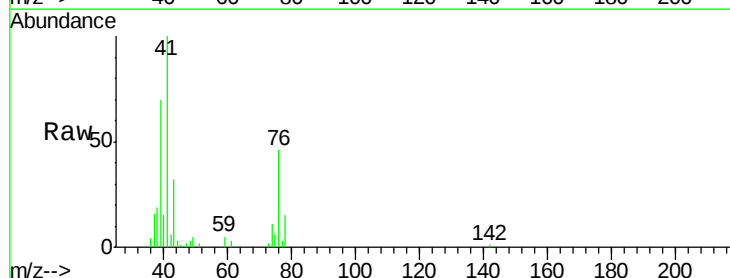
Tgt Ion: 41 Resp: 64729

Ion Ratio Lower Upper

41 100

39 78.3 63.8 95.6

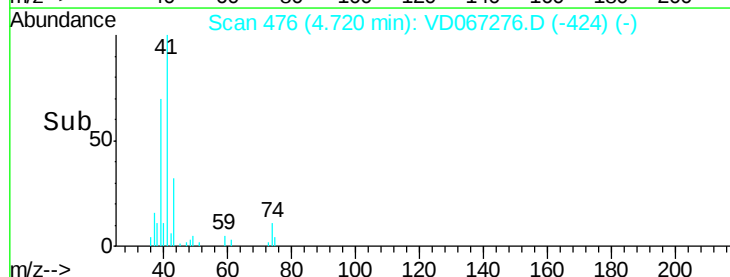
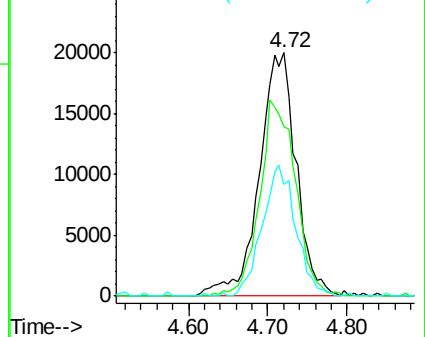
76 49.0 40.4 60.6

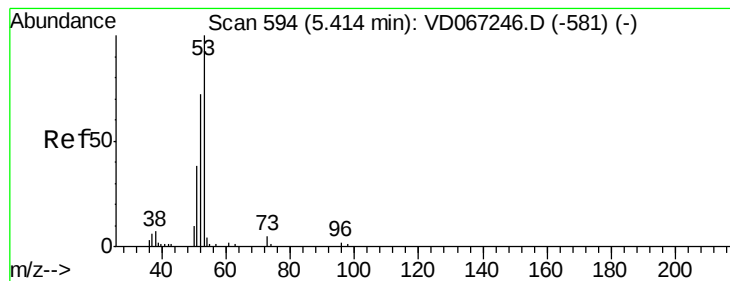


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 102.878 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.01 min

Lab File: VD067276.D

Acq: 15 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

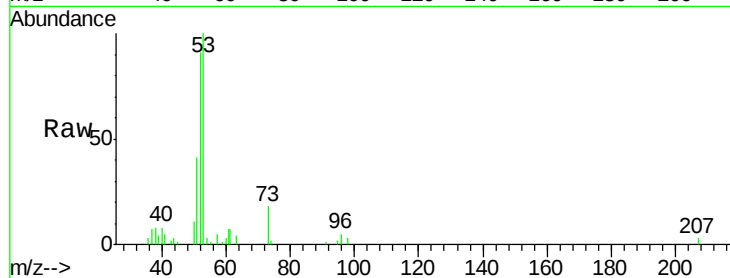
Tot Ion: 53 Resp: 46596

Ion Ratio Lower Upper

53 100

52 83.4 65.6 98.4

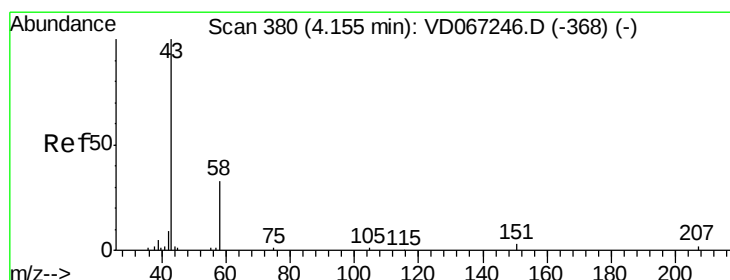
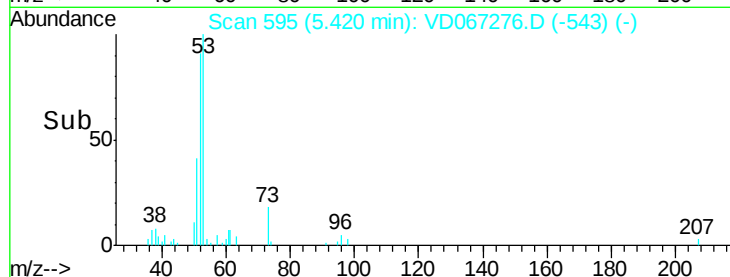
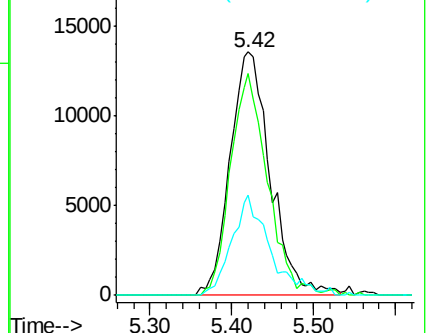
51 39.0 30.8 46.2



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 99.079 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067276.D

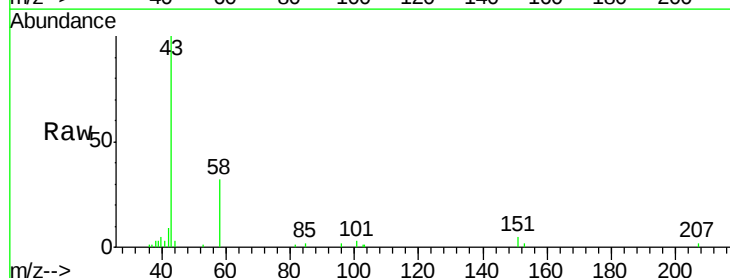
Acq: 15 Oct 2020 11:55

Tgt Ion: 43 Resp: 47426

Ion Ratio Lower Upper

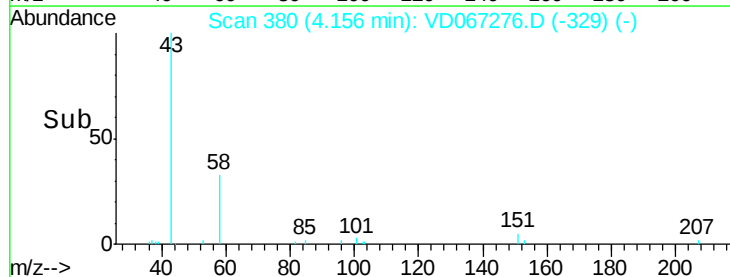
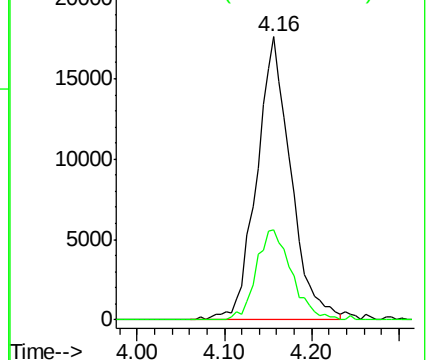
43 100

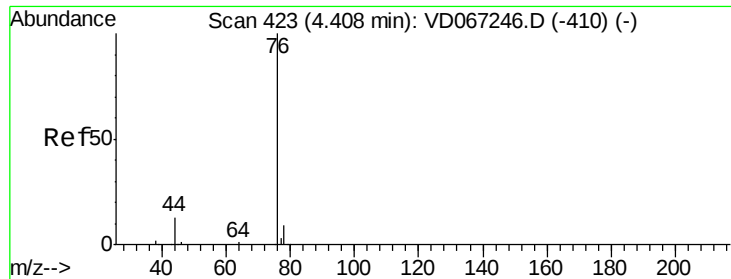
58 32.0 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

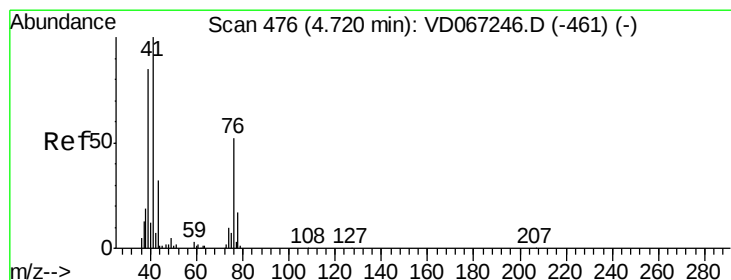
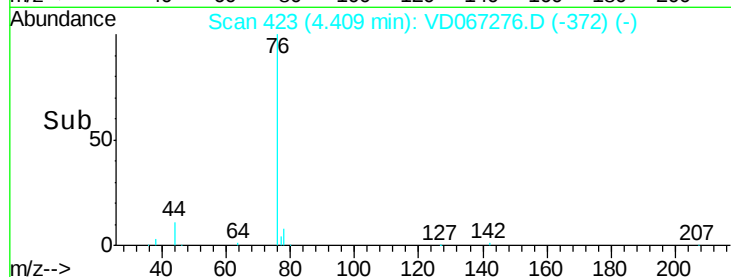
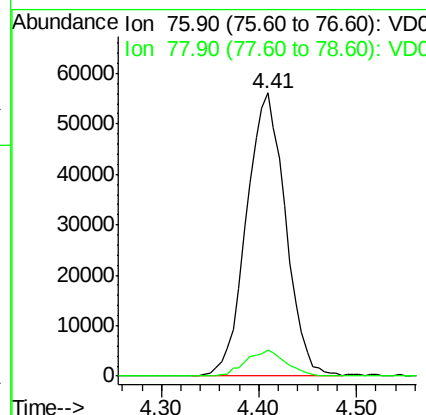
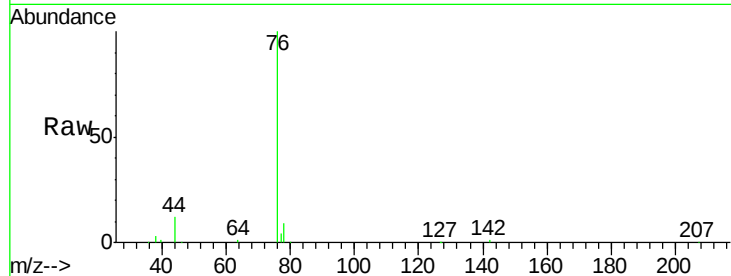




#17
Carbon Disulfide
Concen: 19.561 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067276.D
Acq: 15 Oct 2020 11:55

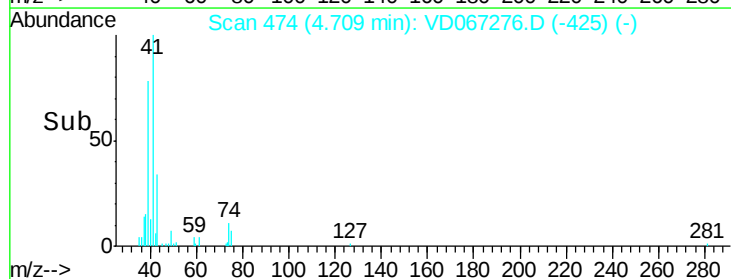
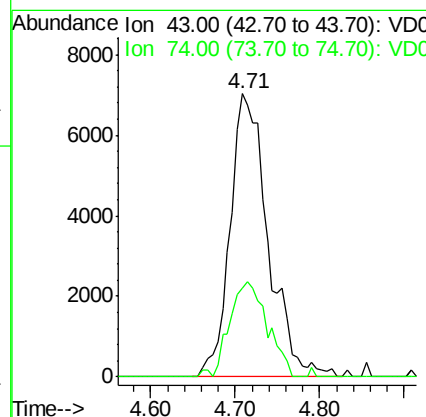
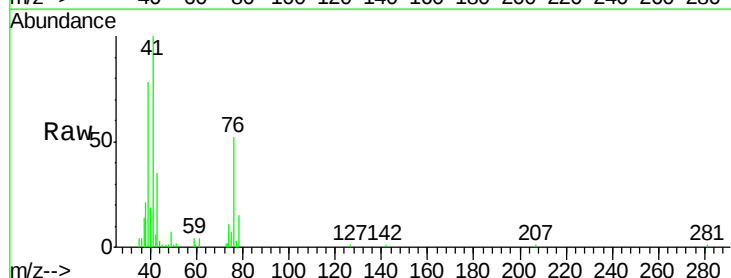
Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

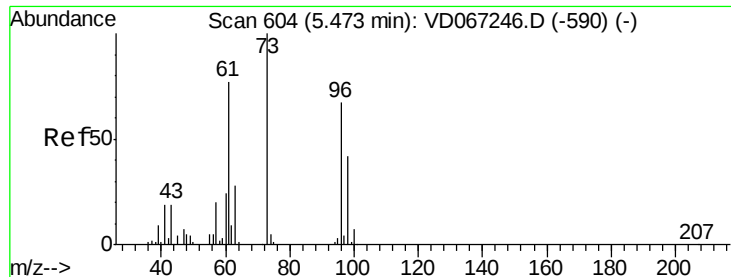
Tot Ion: 76 Resp: 157009
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0



#18
Methyl Acetate
Concen: 19.958 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD067276.D
Acq: 15 Oct 2020 11:55

Tgt Ion: 43 Resp: 21790
Ion Ratio Lower Upper
43 100
74 33.7 26.6 39.8

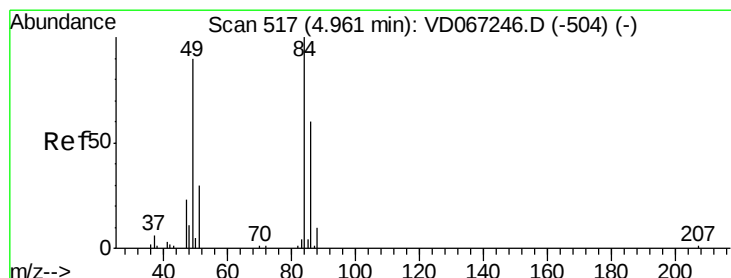
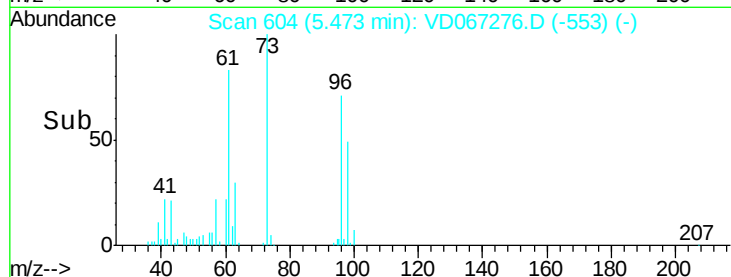
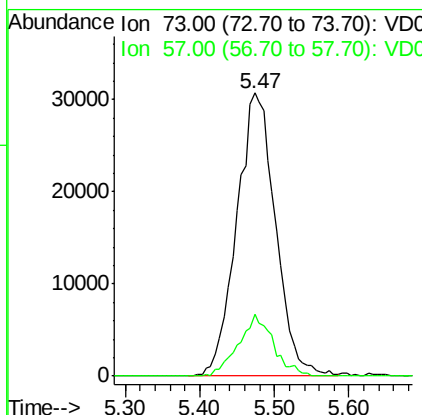
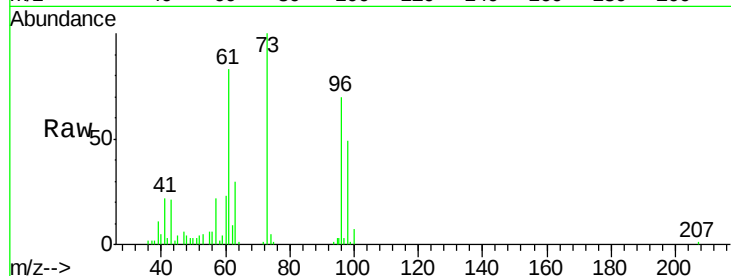




#19
Methvl tert-butvl Ether
Concen: 19.824 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067276.D
Acq: 15 Oct 2020 11:55

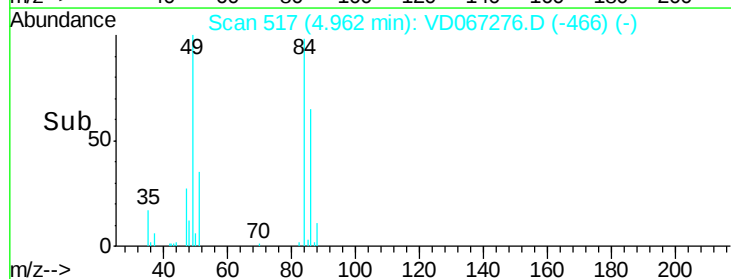
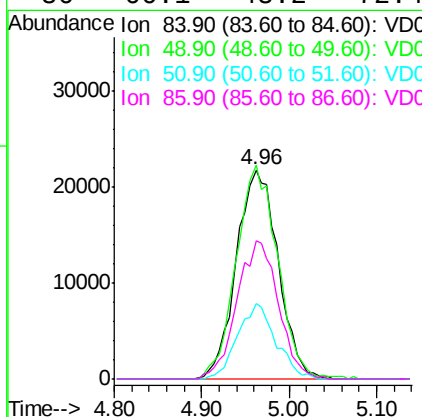
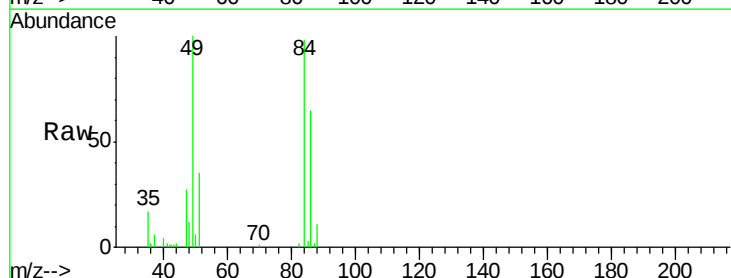
Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

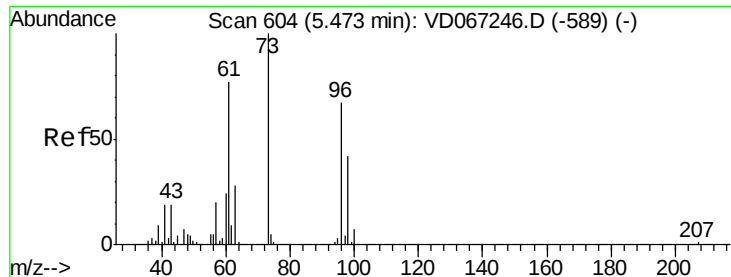
Tot Ion: 73 Resp: 110983
Ion Ratio Lower Upper
73 100
57 22.0 15.7 23.5



#20
Methylene Chloride
Concen: 20.427 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067276.D
Acq: 15 Oct 2020 11:55

Tgt Ion: 84 Resp: 70770
Ion Ratio Lower Upper
84 100
49 102.2 72.2 108.2
51 36.0 23.8 35.8#
86 66.1 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 20.151 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067276.D

Acq: 15 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

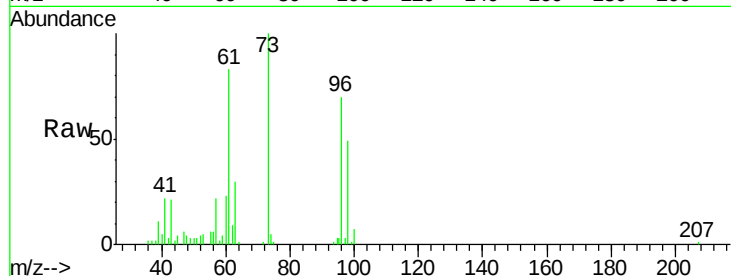
Tot Ion: 96 Resp: 65290

Ion Ratio Lower Upper

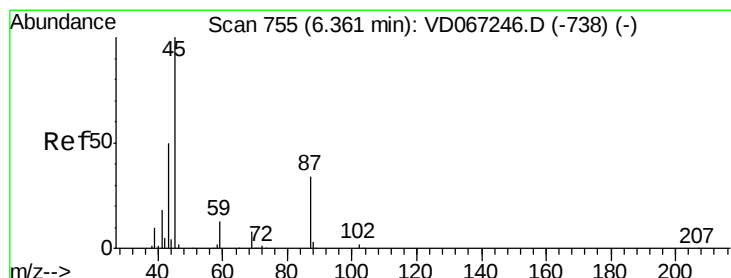
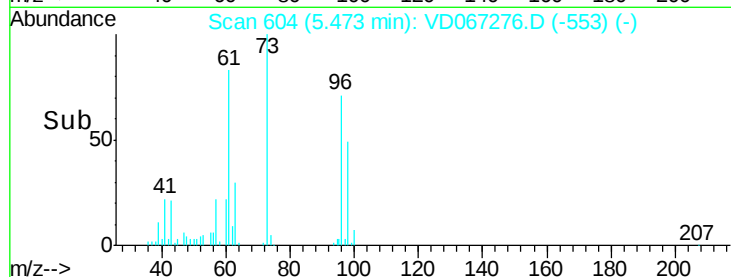
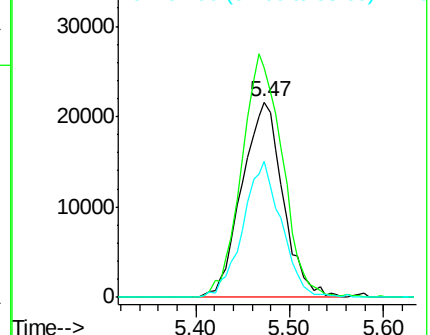
96 100

61 117.3 92.0 138.0

98 69.3 49.8 74.8



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



#22

Diisopropyl ether

Concen: 21.524 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067276.D

Acq: 15 Oct 2020 11:55

Tgt Ion: 45 Resp: 126777

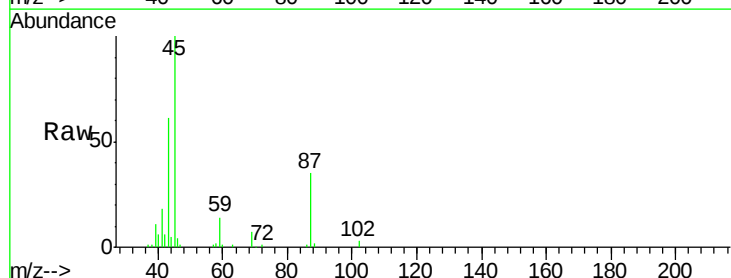
Ion Ratio Lower Upper

45 100

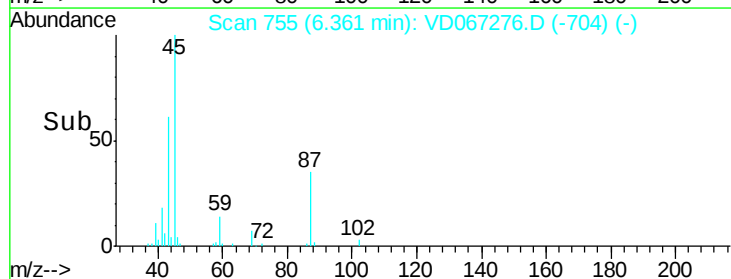
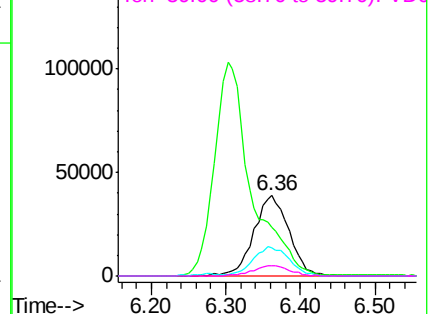
43 60.0 48.0 72.0

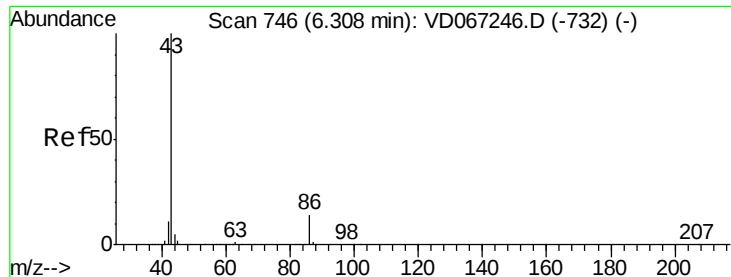
87 34.8 28.5 42.7

59 13.5 10.5 15.7



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: 105.944 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067276.D

Acq: 15 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

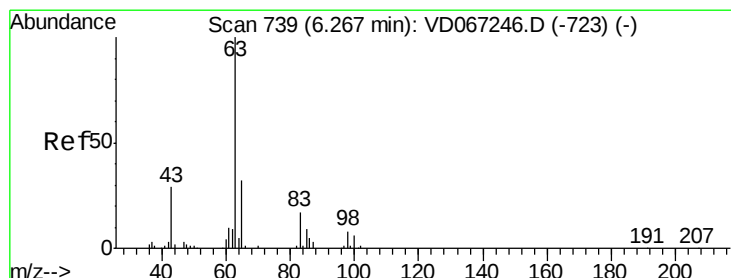
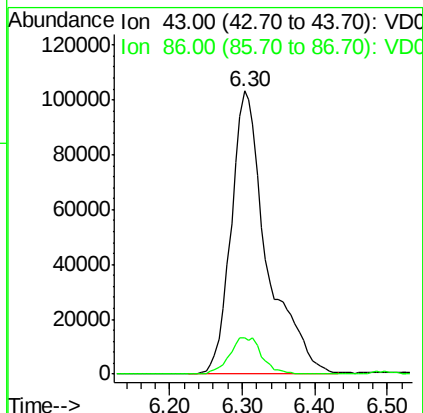
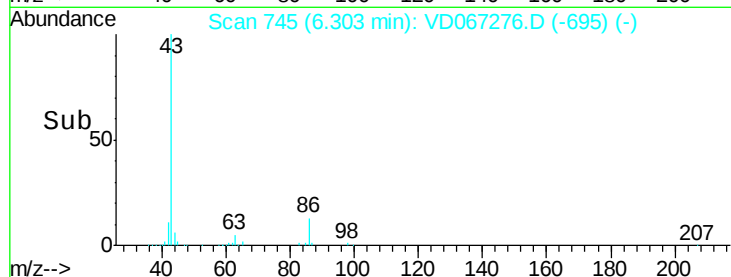
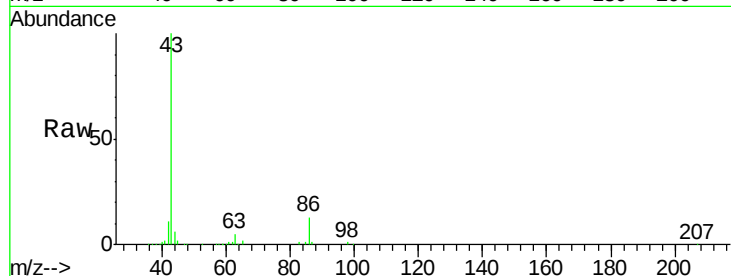
VD1015SBS01

Tot Ion: 43 Resp: 355022

Ion Ratio Lower Upper

43 100

86 12.9 11.0 16.6



#24

1,1-Dichloroethane

Concen: 20.493 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067276.D

Acq: 15 Oct 2020 11:55

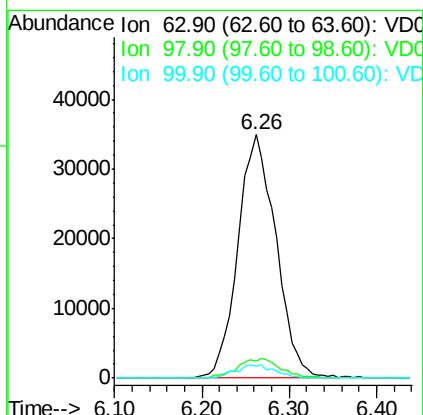
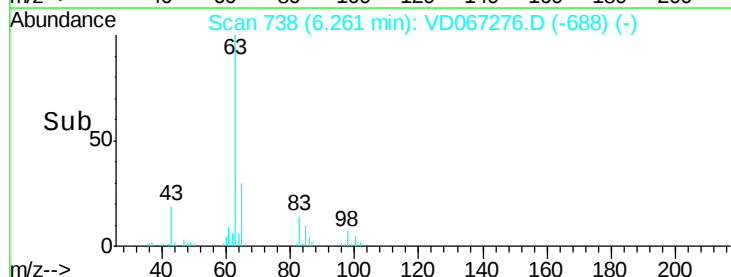
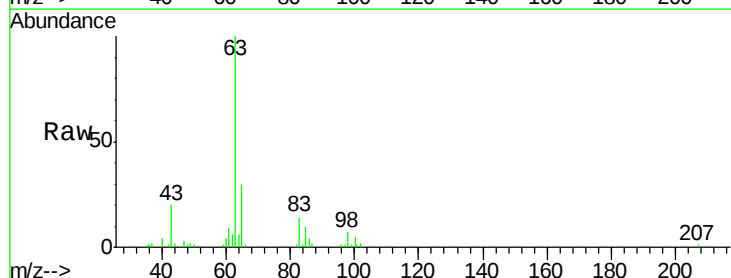
Tgt Ion: 63 Resp: 103324

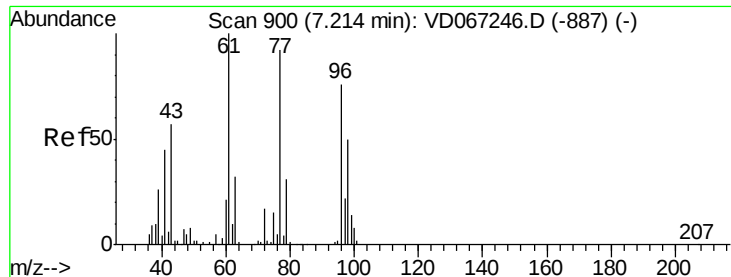
Ion Ratio Lower Upper

63 100

98 7.3 4.0 12.2

100 4.9 2.8 8.4

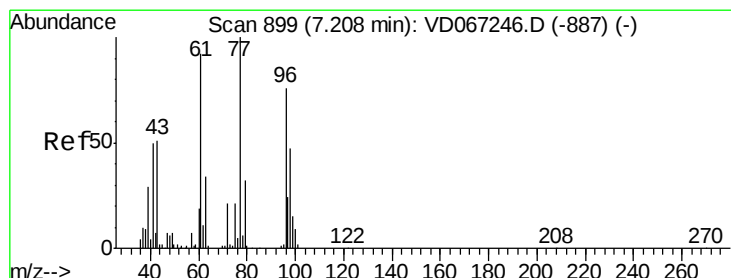
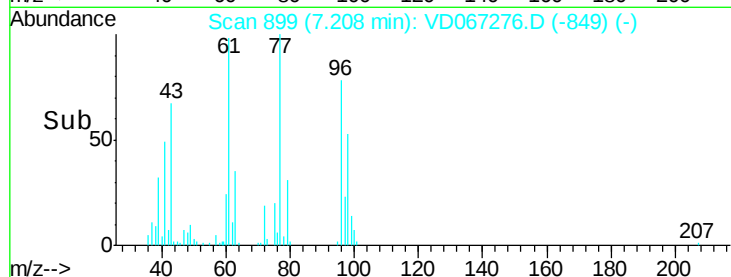
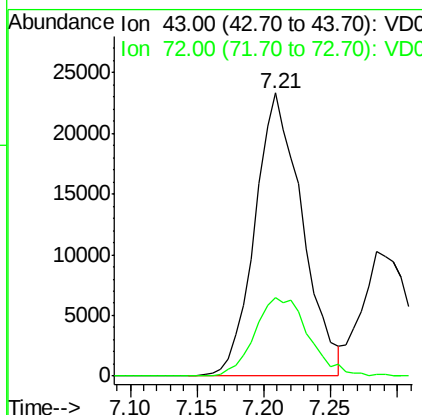
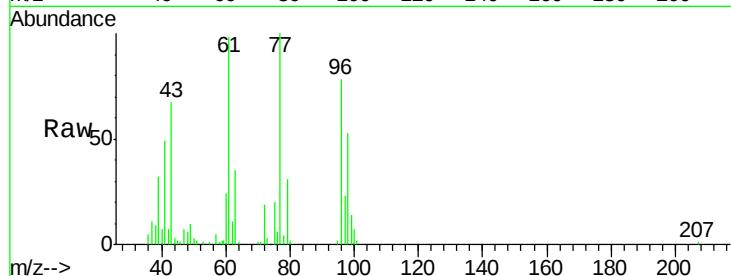




#25
2-Butanone
Concen: 105.113 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067276.D
Acq: 15 Oct 2020 11:55

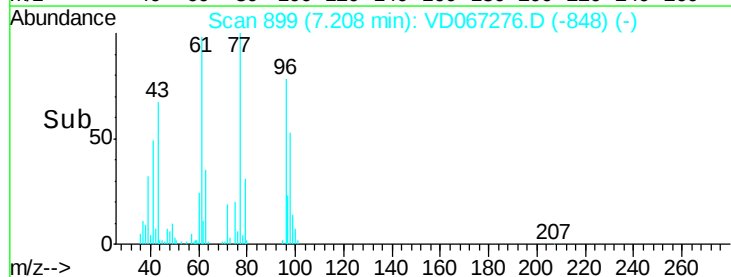
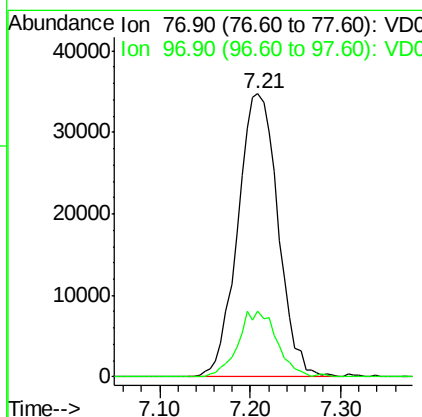
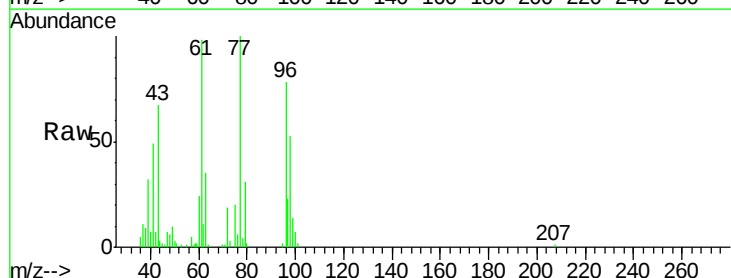
Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

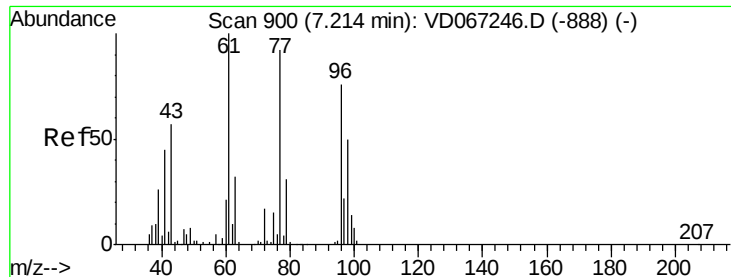
Tot Ion: 43 Resp: 57353
Ion Ratio Lower Upper
43 100
72 27.9 23.7 35.5



#26
2,2-Dichloropropane
Concen: 20.656 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067276.D
Acq: 15 Oct 2020 11:55

Tgt Ion: 77 Resp: 107350
Ion Ratio Lower Upper
77 100
97 22.3 11.4 34.2



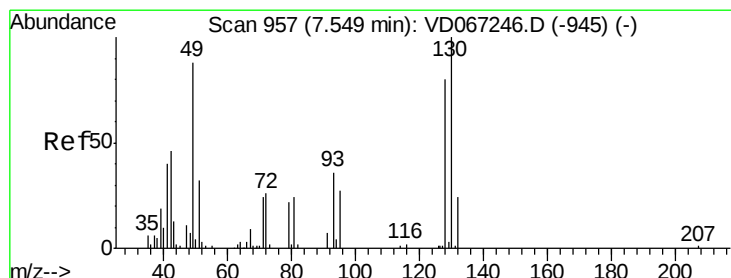
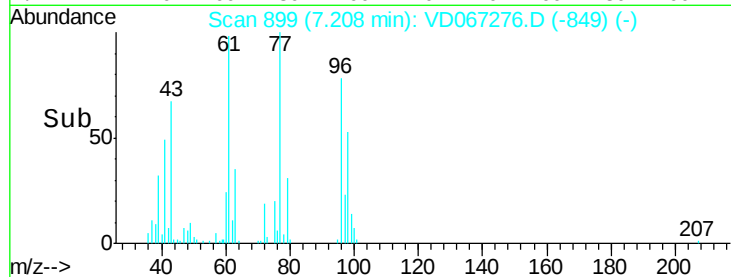
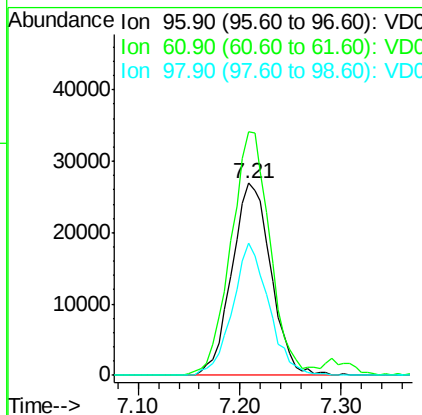
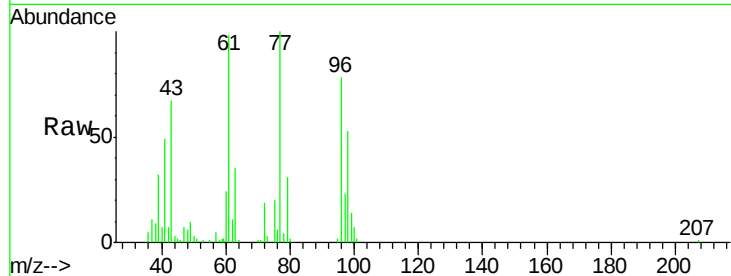


#27

cis-1,2-Dichloroethene
Concen: 20.314 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067276.D
Acq: 15 Oct 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

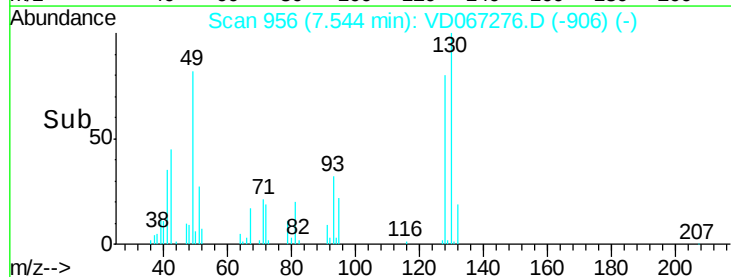
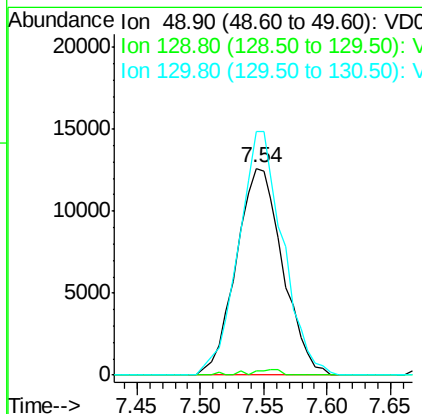
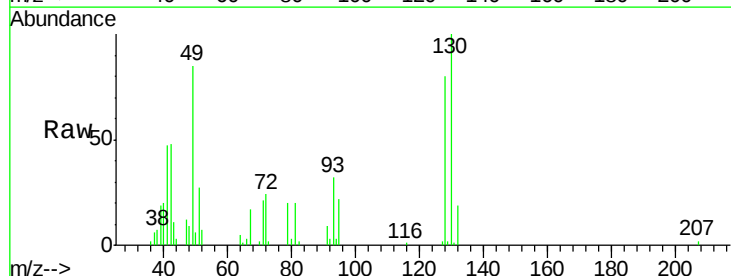
Tot Ion: 96 Resp: 72138
Ion Ratio Lower Upper
96 100
61 127.0 0.0 255.4
98 63.8 0.0 128.0

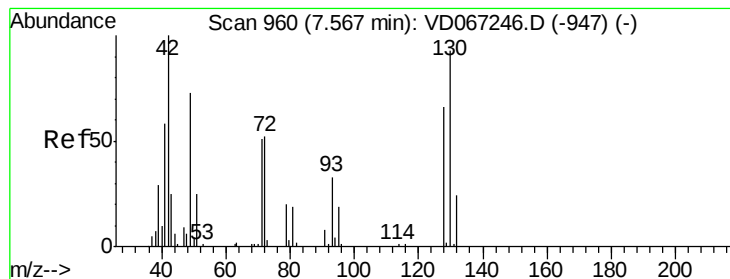


#28

Bromochloromethane
Concen: 18.706 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD067276.D
Acq: 15 Oct 2020 11:55

Tgt Ion: 49 Resp: 32171
Ion Ratio Lower Upper
49 100
129 1.6 0.0 1.6#
130 112.2 91.0 136.6





#29

Tetrahydrofuran

Concen: 103.549 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD067276.D

Acq: 15 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

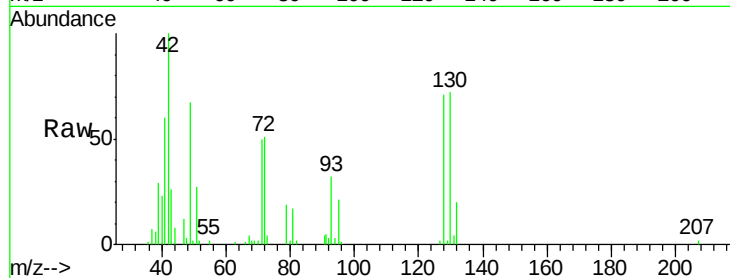
Tot Ion: 42 Resp: 31407

Ion Ratio Lower Upper

42 100

72 55.1 43.2 64.8

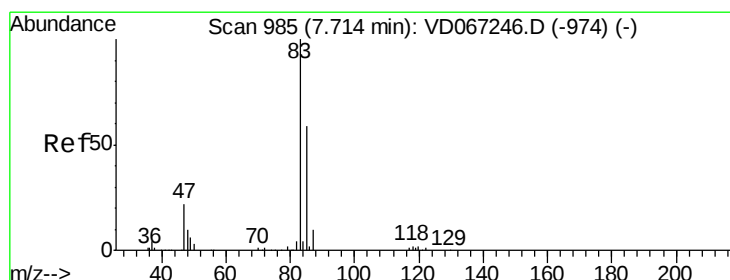
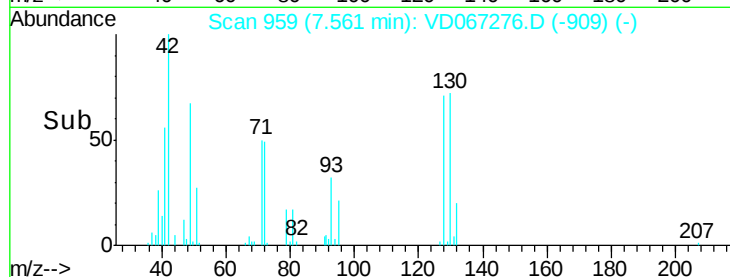
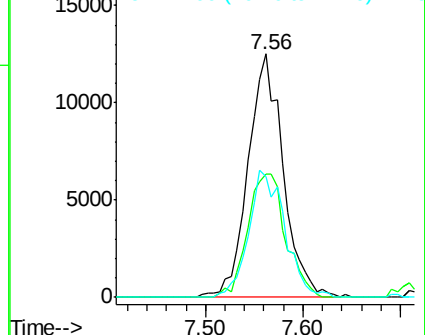
71 53.6 39.4 59.0



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 20.360 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.01 min

Lab File: VD067276.D

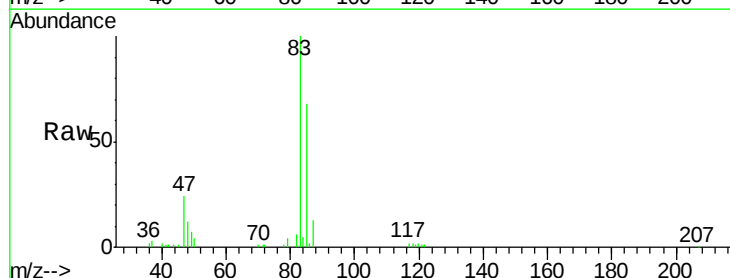
Acq: 15 Oct 2020 11:55

Tgt Ion: 83 Resp: 122634

Ion Ratio Lower Upper

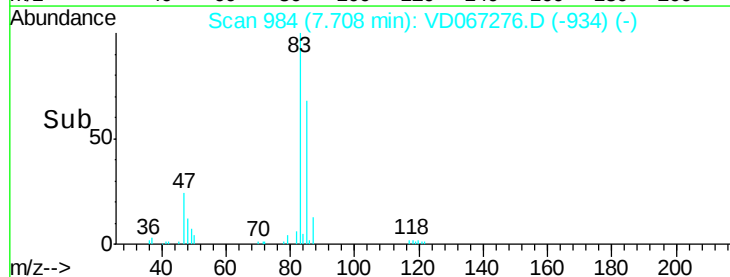
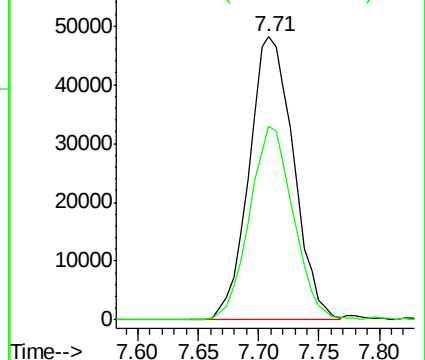
83 100

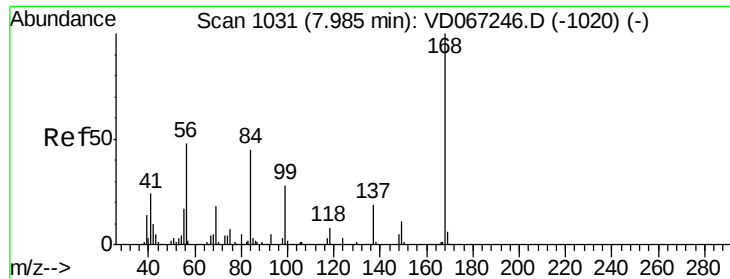
85 68.3 47.3 70.9



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

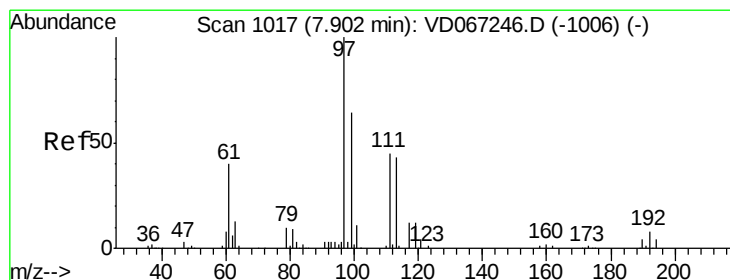
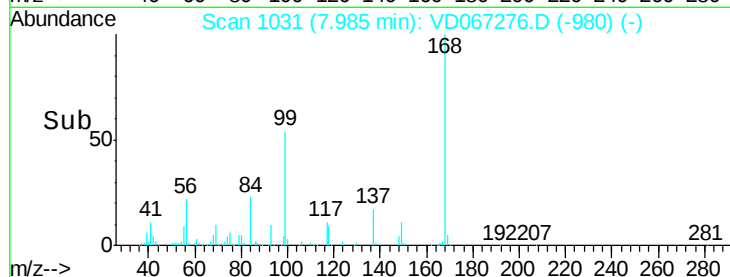
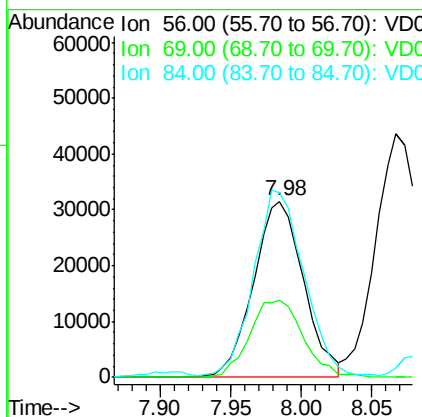
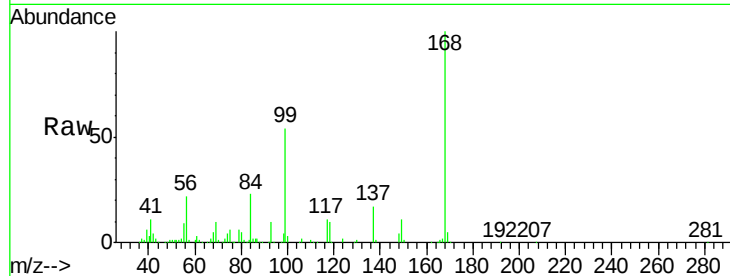




#31
Cyclohexane
Concen: 19.938 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067276.D
Acq: 15 Oct 2020 11:55

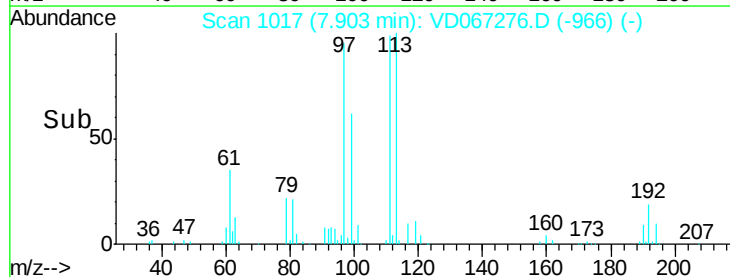
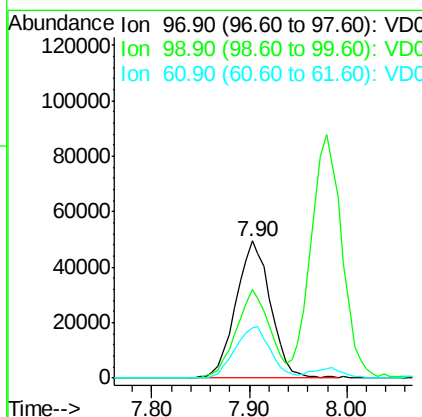
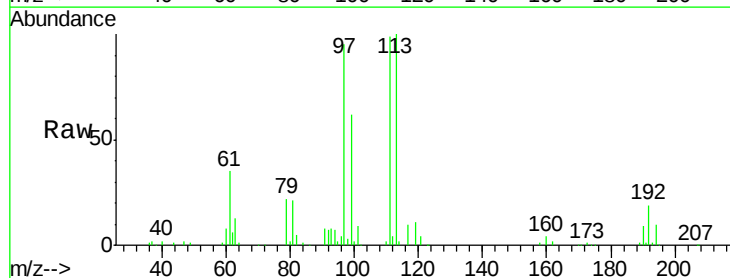
Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

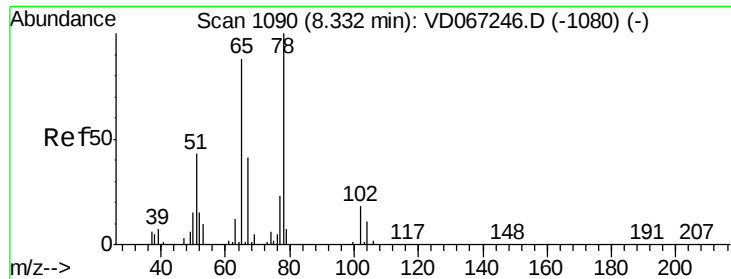
Tot Ion: 56 Resp: 78490
Ion Ratio Lower Upper
56 100
69 43.6 29.8 44.6
84 103.6 76.6 114.8



#32
1,1,1-Trichloroethane
Concen: 20.653 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067276.D
Acq: 15 Oct 2020 11:55

Tgt Ion: 97 Resp: 122053
Ion Ratio Lower Upper
97 100
99 62.7 50.2 75.4
61 38.0 30.5 45.7





#33

1,2-Dichloroethane-d4

Concen: 50.648 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067276.D

Acq: 15 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

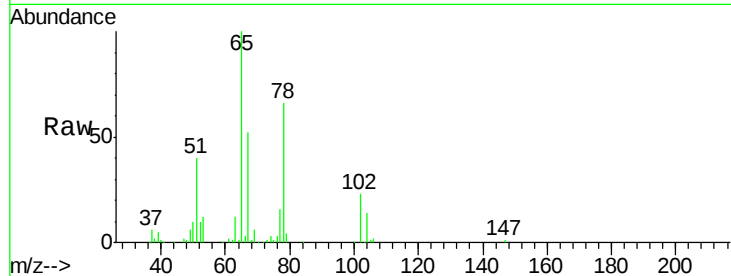
VD1015SBS01

Tot Ion: 65 Resp: 173105

Ion Ratio Lower Upper

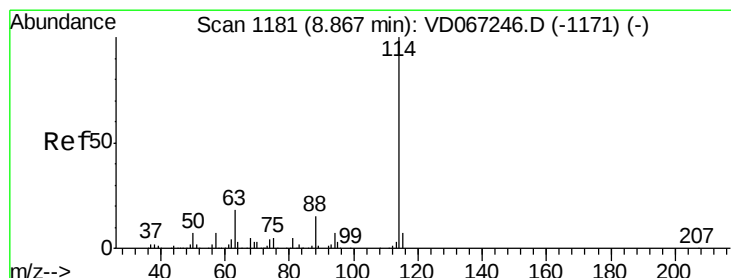
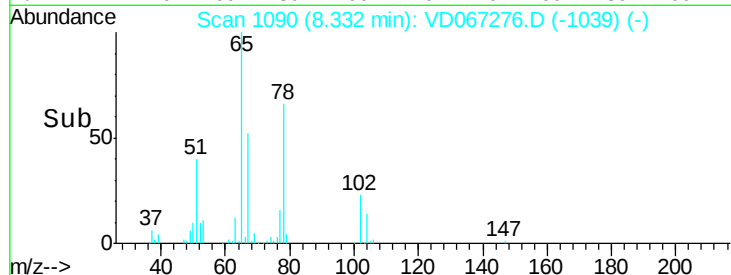
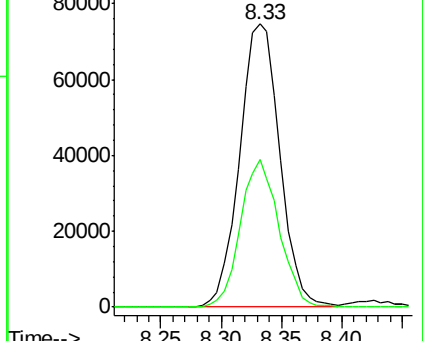
65 100

67 50.2 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067276.D

Acq: 15 Oct 2020 11:55

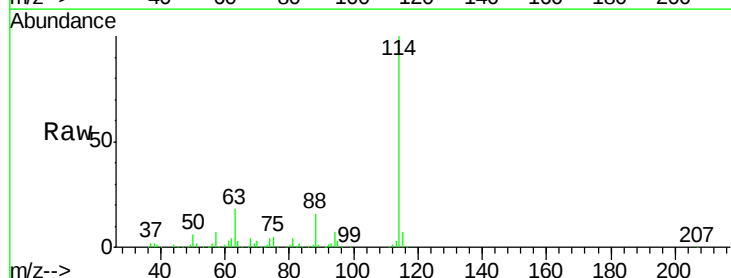
Tgt Ion: 114 Resp: 504034

Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.0

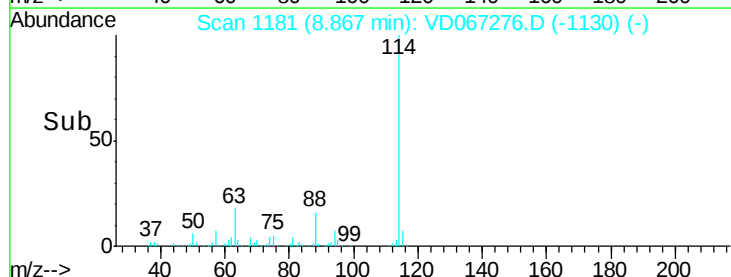
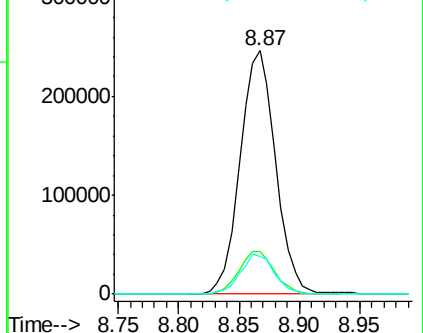
88 15.7 0.0 30.6

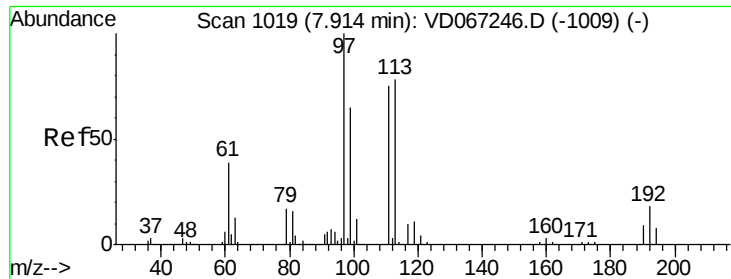


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

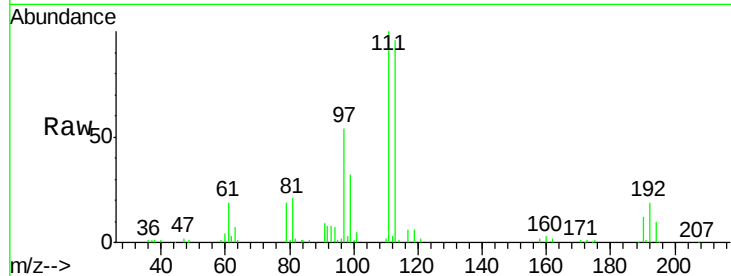




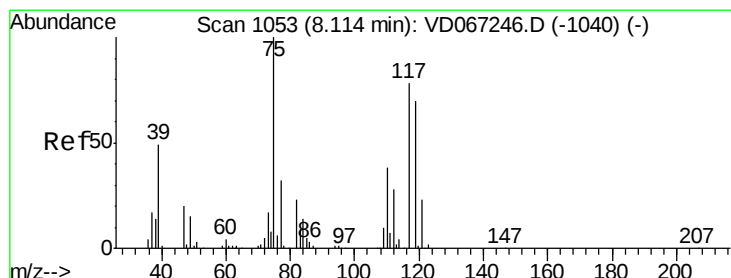
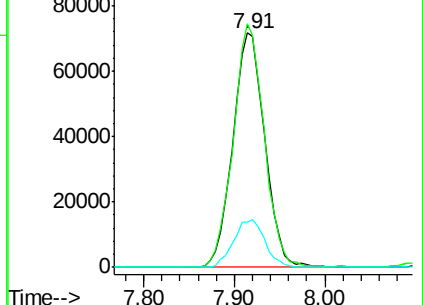
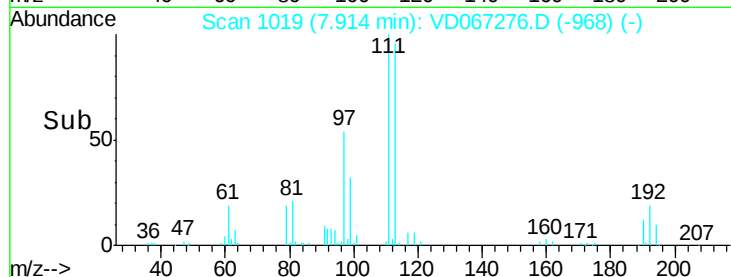
#35
 Dibromofluoromethane
 Concen: 52.367 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067276.D
 Acq: 15 Oct 2020 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

Tot Ion:113 Resp: 175656
 Ion Ratio Lower Upper
 113 100
 111 100.8 81.6 122.4
 192 20.1 17.0 25.4

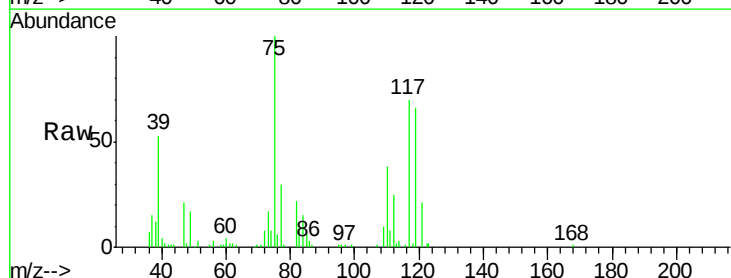


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

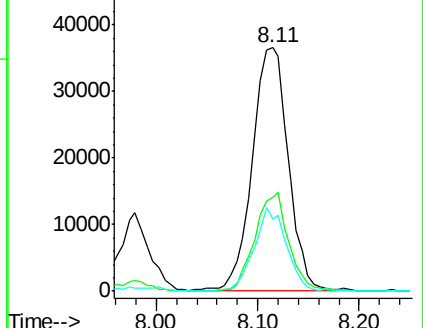
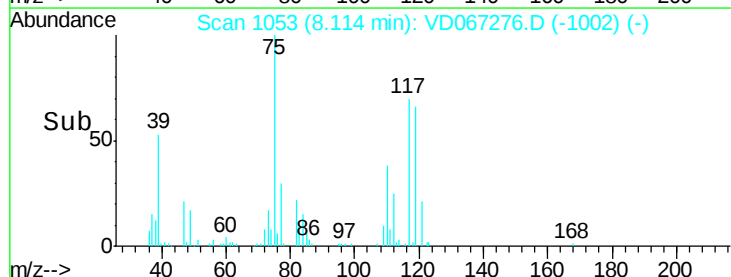


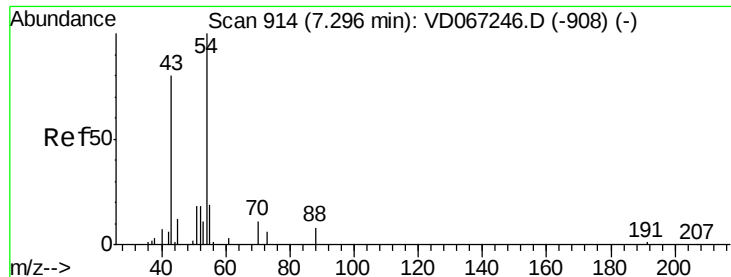
#36
 1,1-Dichloropropene
 Concen: 21.229 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067276.D
 Acq: 15 Oct 2020 11:55

Tgt Ion: 75 Resp: 90689
 Ion Ratio Lower Upper
 75 100
 110 37.4 19.6 58.7
 77 30.4 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VDC

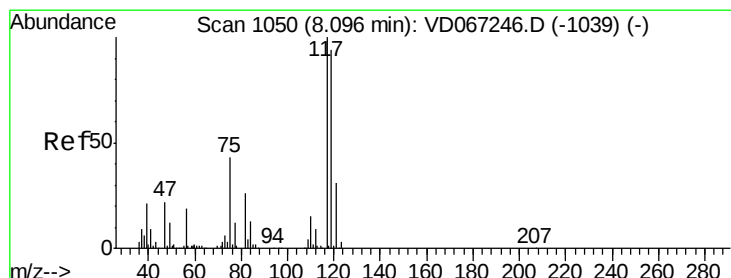
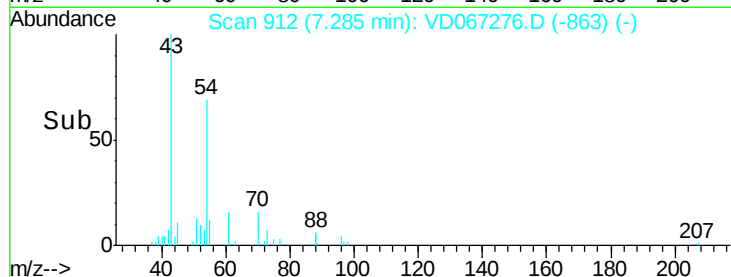
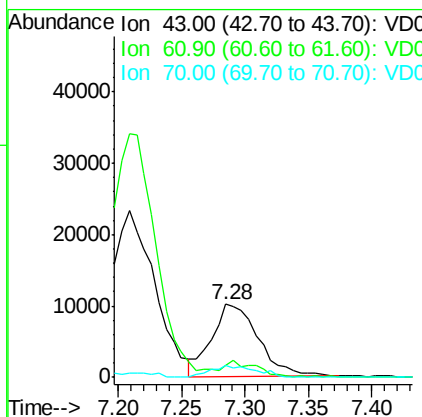
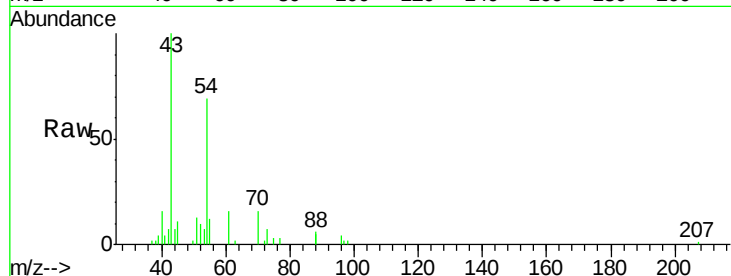




#37
Ethyl Acetate
Concen: 20.846 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD067276.D
Acq: 15 Oct 2020 11:55

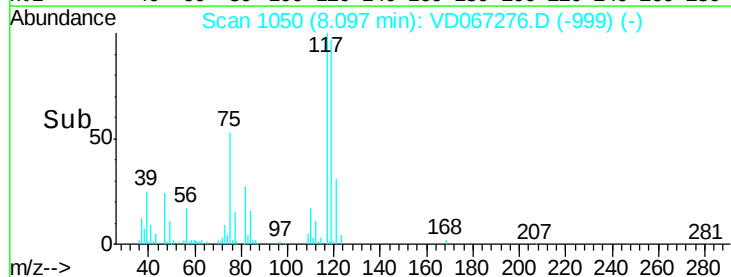
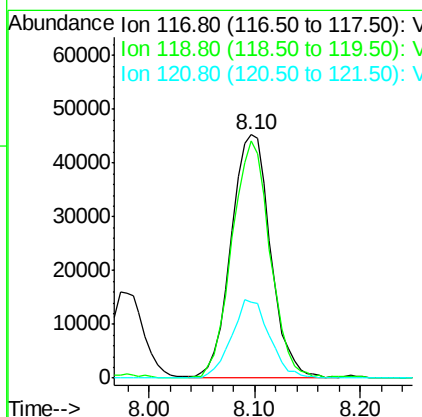
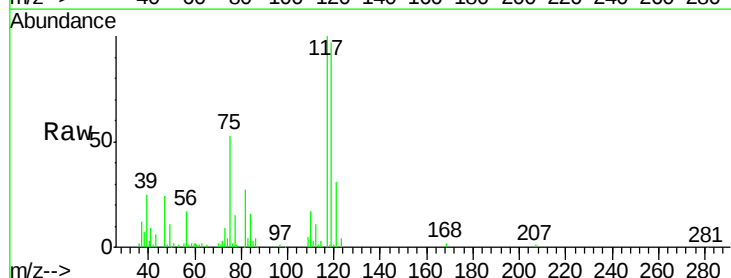
Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

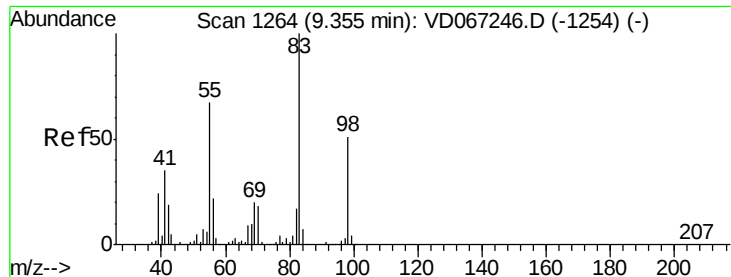
Tot Ion: 43 Resp: 26201
Ion Ratio Lower Upper
43 100
61 14.9 15.6 23.4#
70 15.7 10.4 15.6#



#38
Carbon Tetrachloride
Concen: 21.212 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067276.D
Acq: 15 Oct 2020 11:55

Tgt Ion: 117 Resp: 115818
Ion Ratio Lower Upper
117 100
119 97.7 75.0 112.4
121 31.4 24.9 37.3

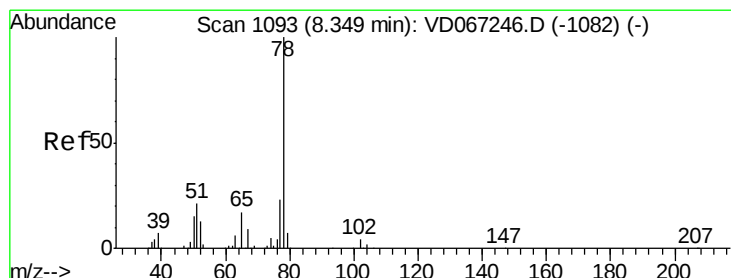
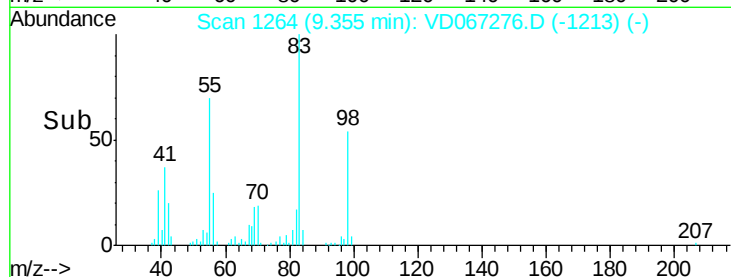
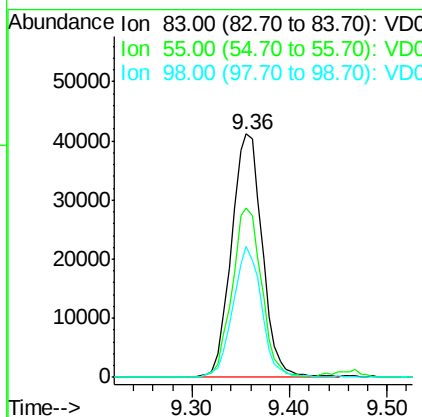
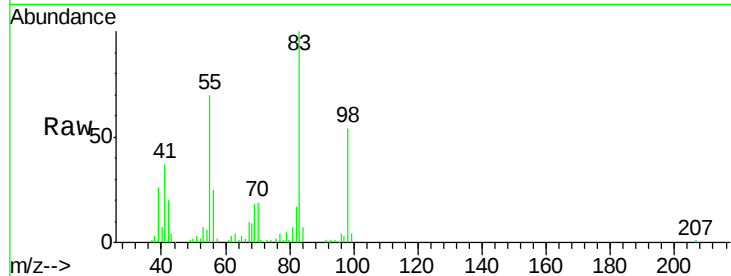




#39
Methvlcvclohexane
Concen: 20.255 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067276.D
Acq: 15 Oct 2020 11:55

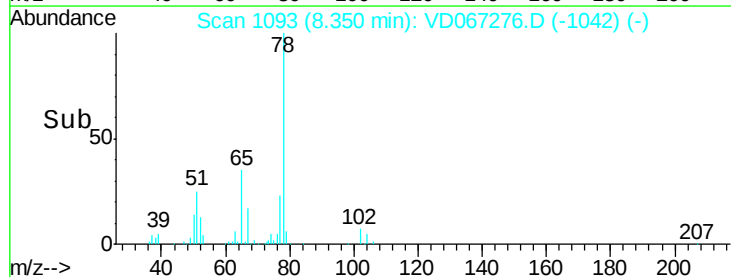
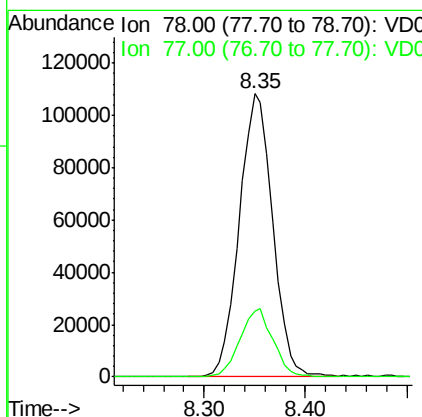
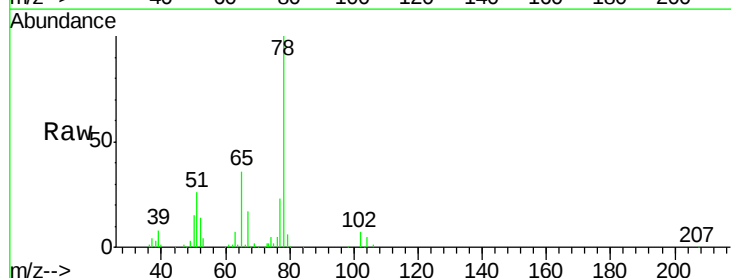
Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

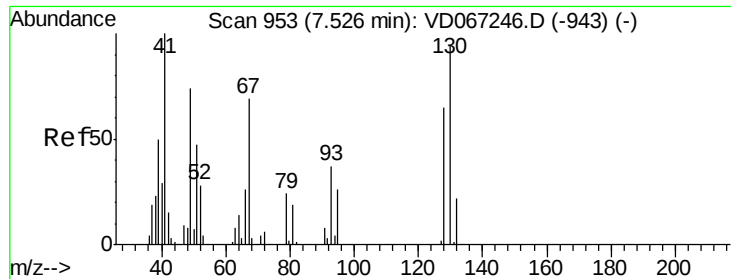
Tot Ion: 83 Resp: 90459
Ion Ratio Lower Upper
83 100
55 69.7 53.3 79.9
98 53.9 41.0 61.4



#40
Benzene
Concen: 21.064 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067276.D
Acq: 15 Oct 2020 11:55

Tgt Ion: 78 Resp: 246862
Ion Ratio Lower Upper
78 100
77 23.4 18.3 27.5

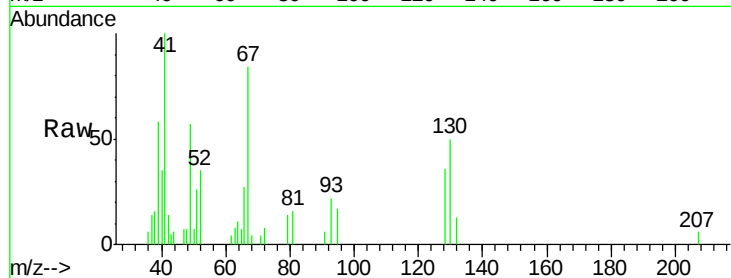




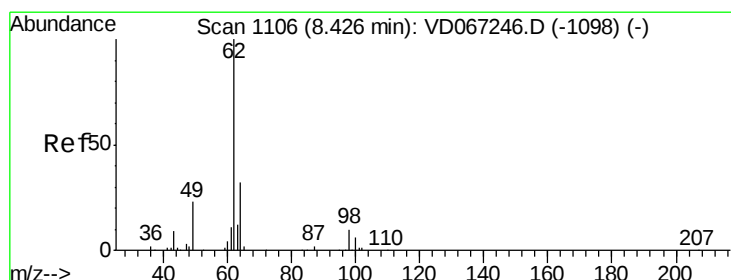
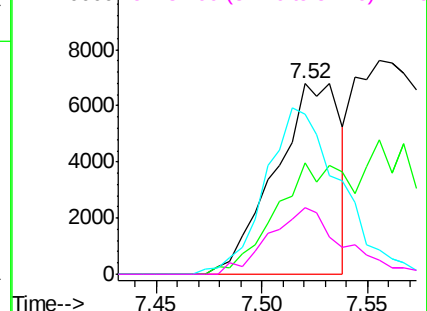
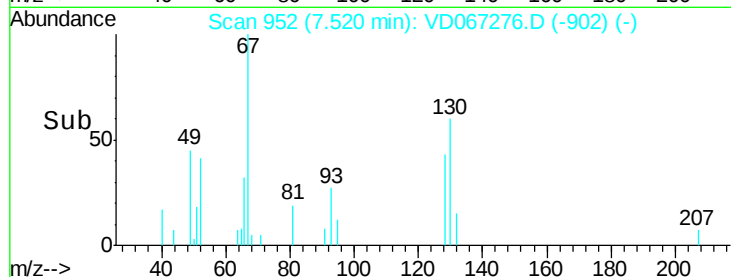
#41
Methacrylonitrile
Concen: 21.494 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD067276.D
Acq: 15 Oct 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion:	41	Resp:	14599
Ion	Ratio	Lower	Upper
41	100		
39	65.7	60.0	90.0
67	99.7	88.9	133.3
52	39.9	36.9	55.3

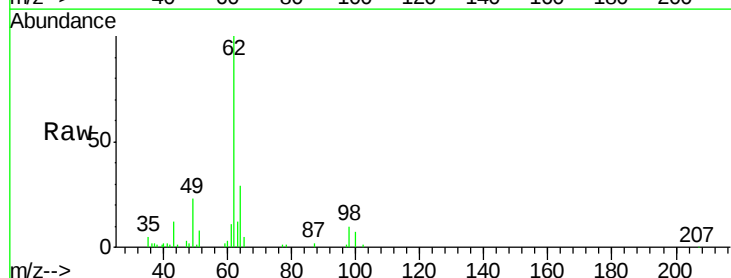


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

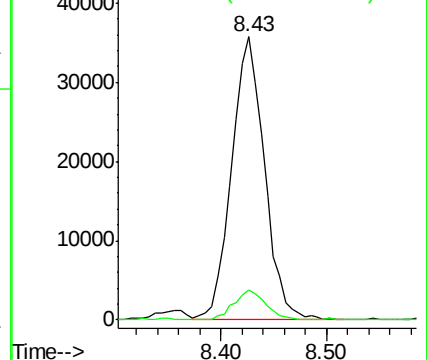
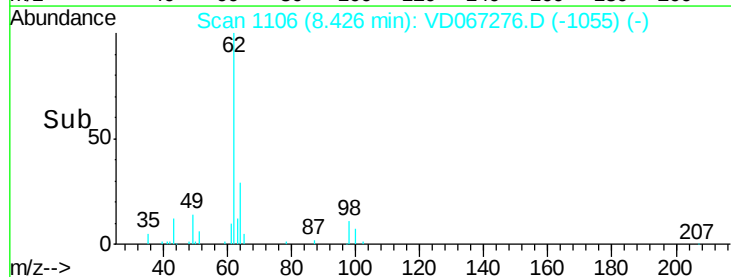


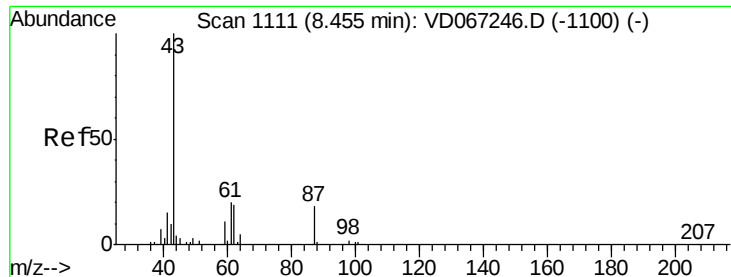
#42
1,2-Dichloroethane
Concen: 20.937 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067276.D
Acq: 15 Oct 2020 11:55

Tgt Ion:	62	Resp:	76789
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.4



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





#43

Isopropyl Acetate

Concen: 20.290 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067276.D

Acq: 15 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

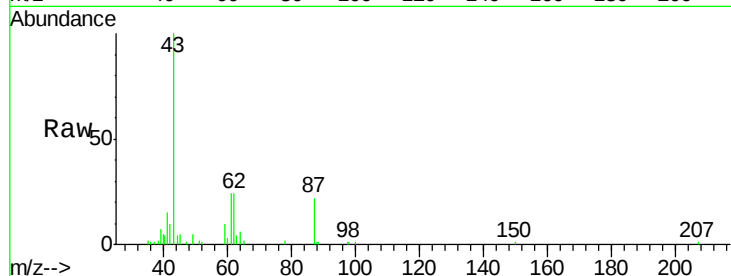
Tot Ion: 43 Resp: 50604

Ion Ratio Lower Upper

43 100

61 0.0 29.5 44.3#

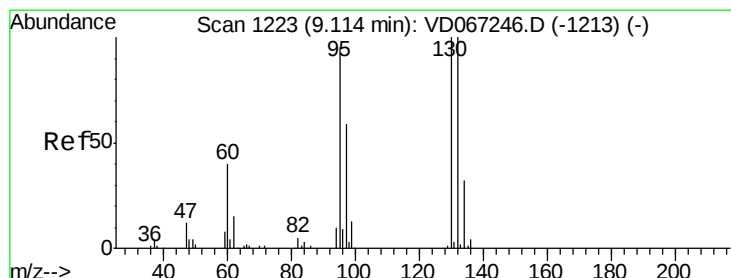
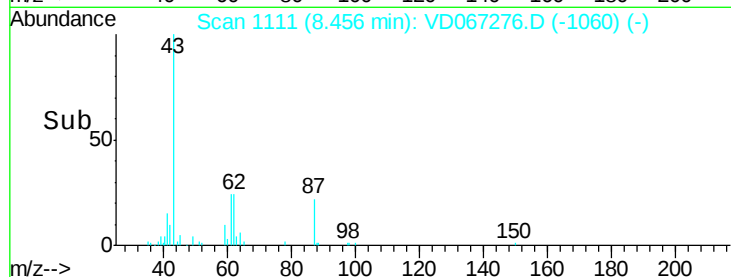
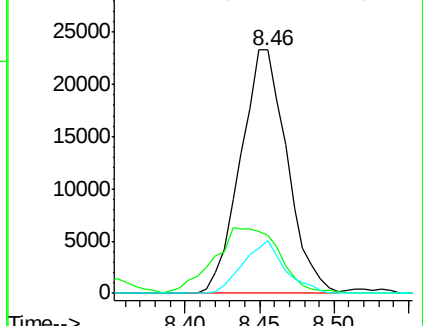
87 19.4 14.2 21.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 20.957 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD067276.D

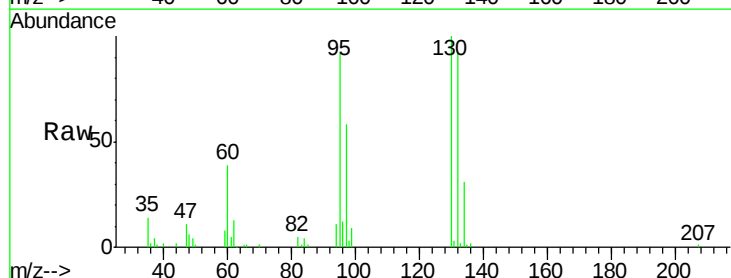
Acq: 15 Oct 2020 11:55

Tgt Ion:130 Resp: 78640

Ion Ratio Lower Upper

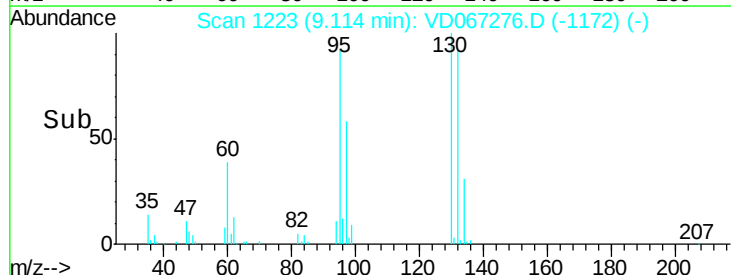
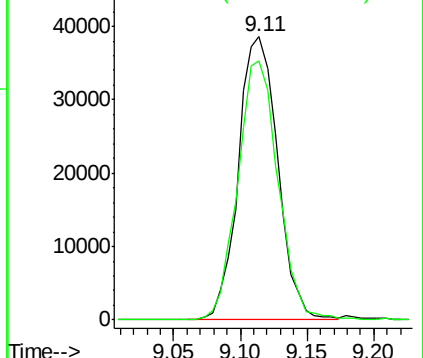
130 100

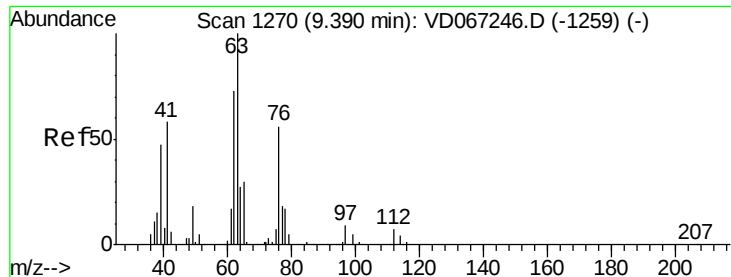
95 91.6 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.798 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067276.D

Acq: 15 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

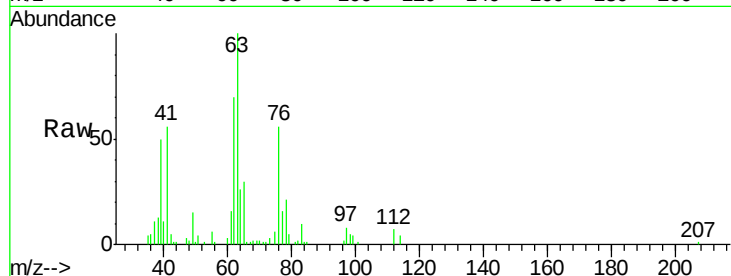
VD1015SBS01

Tot Ion: 63 Resp: 56490

Ion Ratio Lower Upper

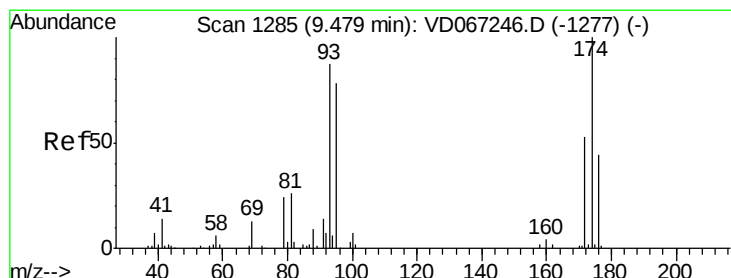
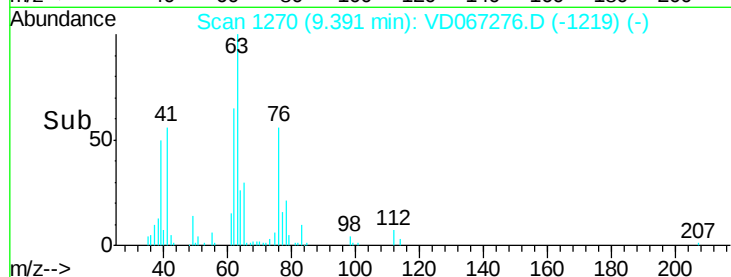
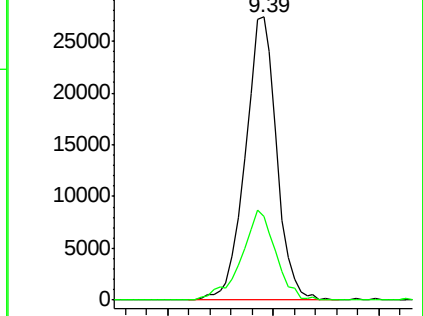
63 100

65 29.5 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 21.216 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD067276.D

Acq: 15 Oct 2020 11:55

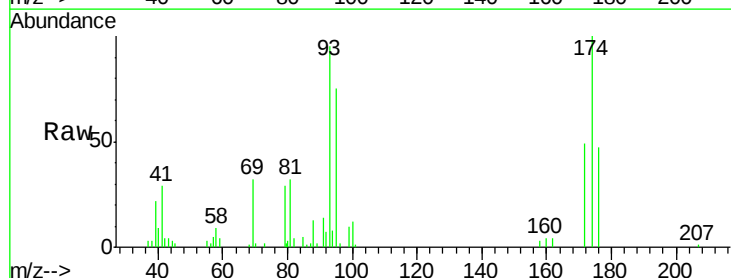
Tgt Ion: 93 Resp: 35904

Ion Ratio Lower Upper

93 100

95 78.5 68.0 102.0

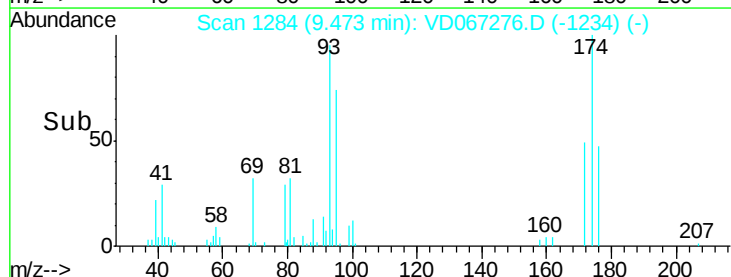
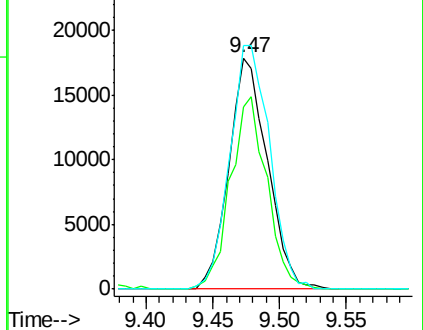
174 108.7 91.8 137.6

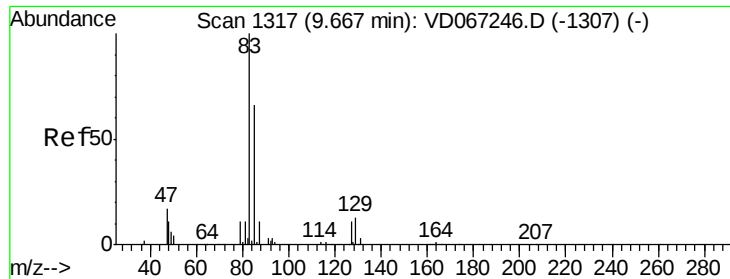


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.645 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD067276.D

Acq: 15 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

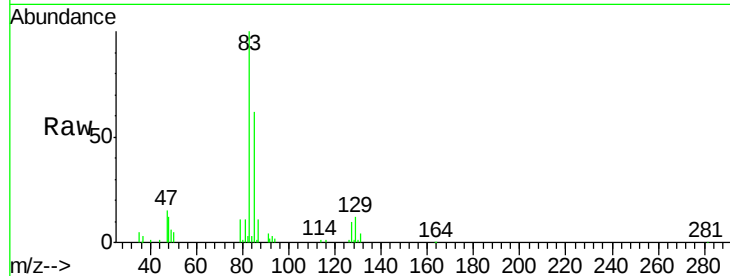
Tot Ion: 83 Resp: 93608

Ion Ratio Lower Upper

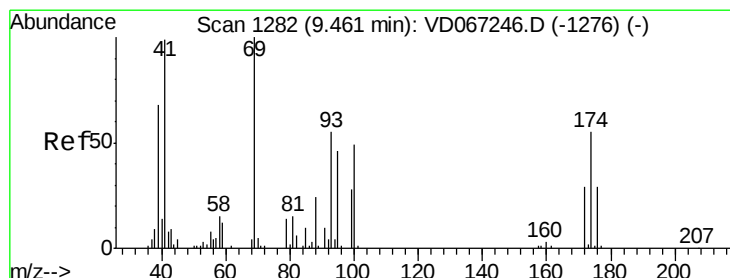
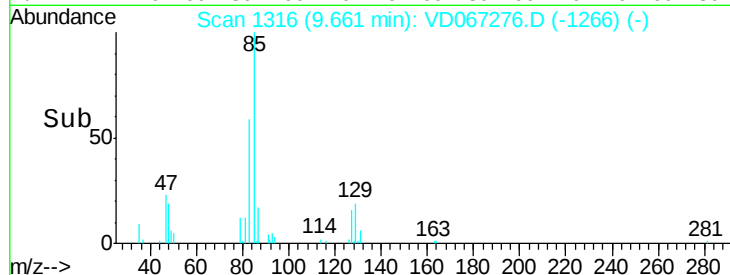
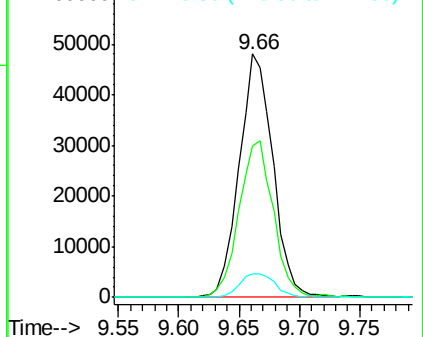
83 100

85 62.2 53.1 79.7

127 9.7 8.6 13.0



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



#48

Methyl methacrylate

Concen: 19.691 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD067276.D

Acq: 15 Oct 2020 11:55

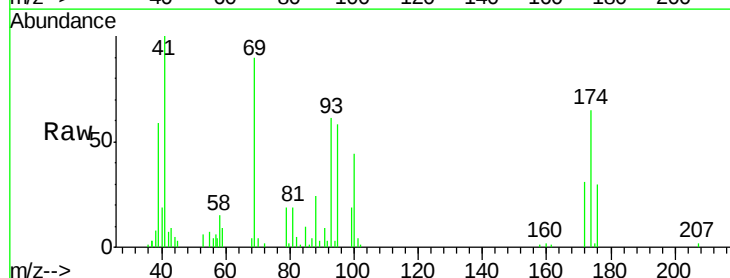
Tgt Ion: 41 Resp: 23866

Ion Ratio Lower Upper

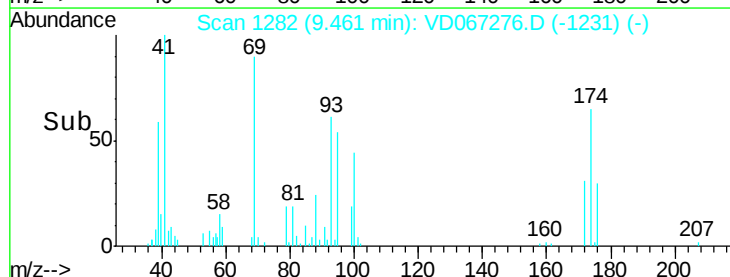
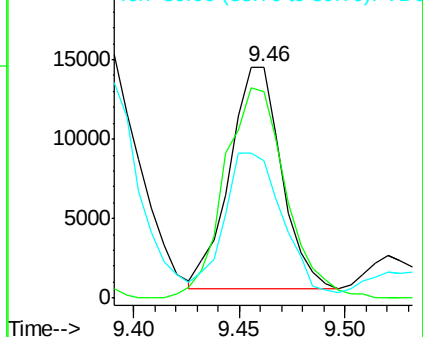
41 100

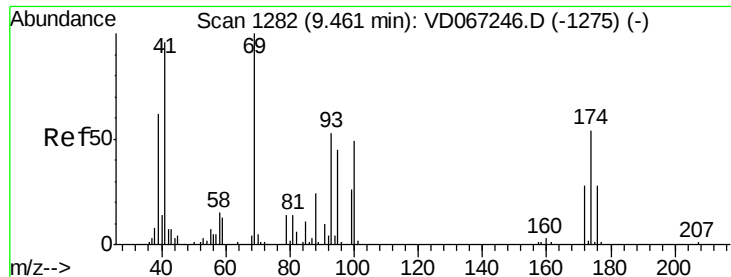
69 112.1 89.0 133.6

39 75.1 60.2 90.2



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

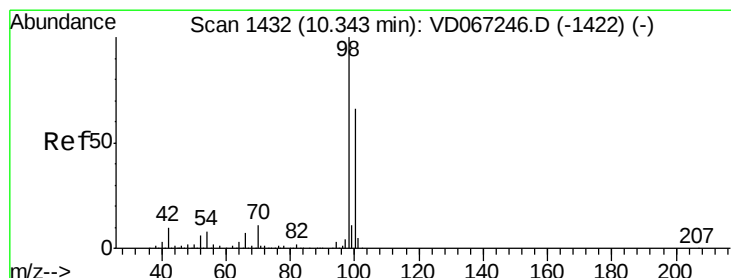
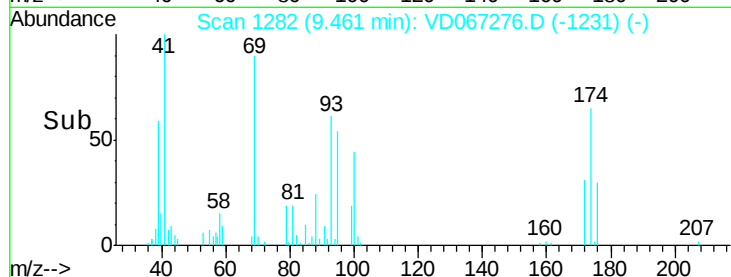
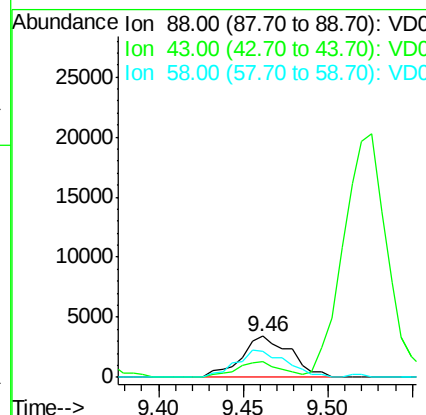
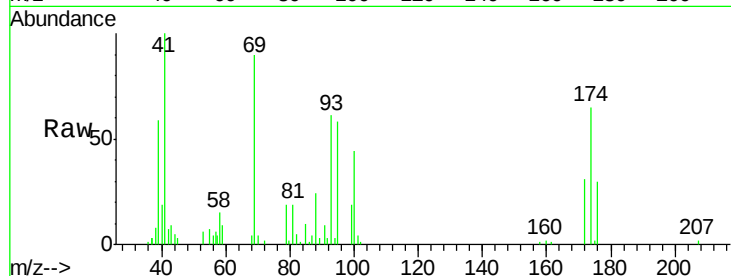




#49
1,4-Dioxane
Concen: 407.544 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067276.D
Acq: 15 Oct 2020 11:55

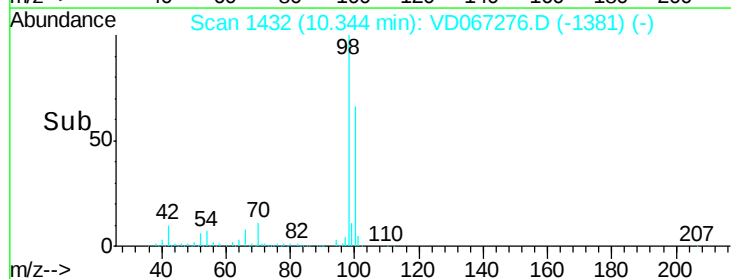
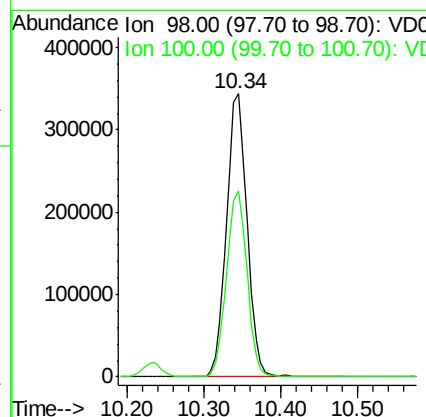
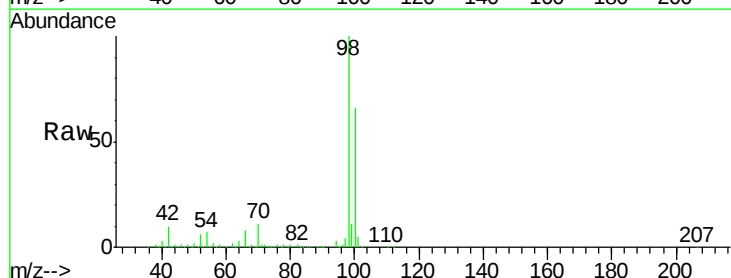
Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

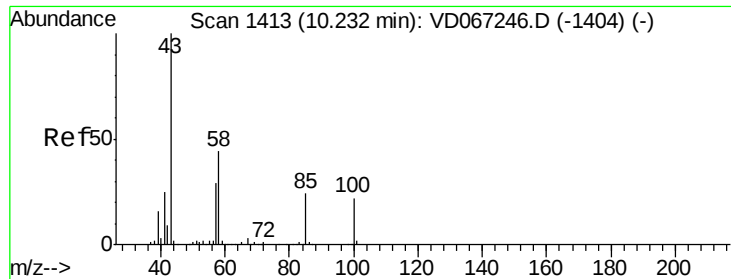
Tot Ion: 88 Resp: 6969
Ion Ratio Lower Upper
88 100
43 34.8 23.9 35.9
58 66.3 51.0 76.6



#50
Toluene-d8
Concen: 52.820 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067276.D
Acq: 15 Oct 2020 11:55

Tgt Ion: 98 Resp: 641191
Ion Ratio Lower Upper
98 100
100 65.8 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 103.101 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.01 min

Lab File: VD067276.D

Acq: 15 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

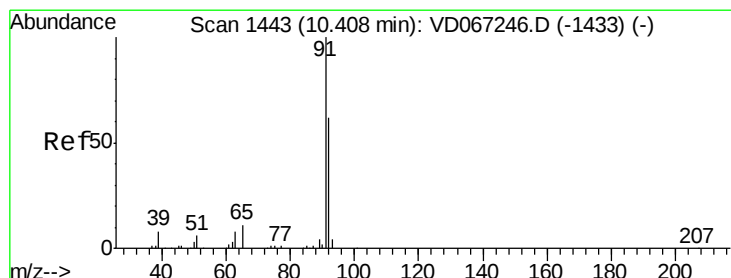
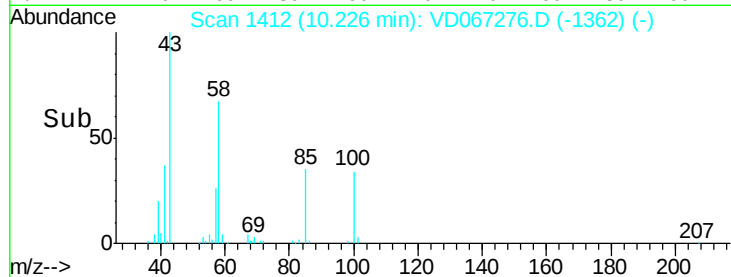
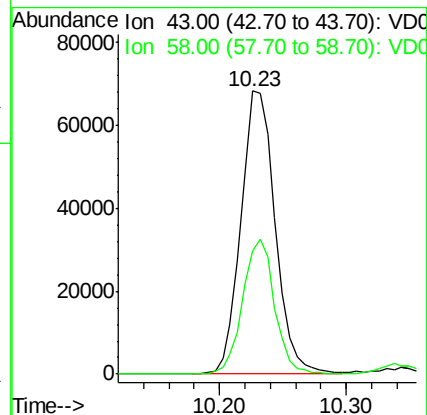
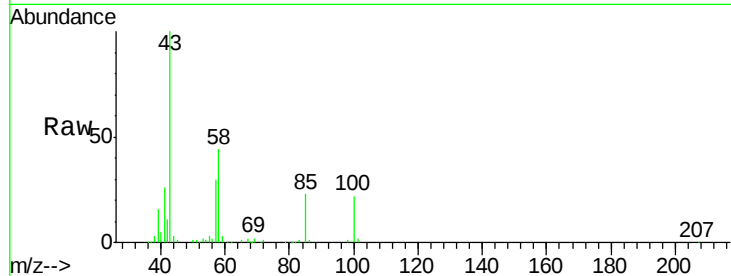
VD1015SBS01

Tot Ion: 43 Resp: 128252

Ion Ratio Lower Upper

43 100

58 44.2 35.7 53.5



#52

Toluene

Concen: 21.518 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067276.D

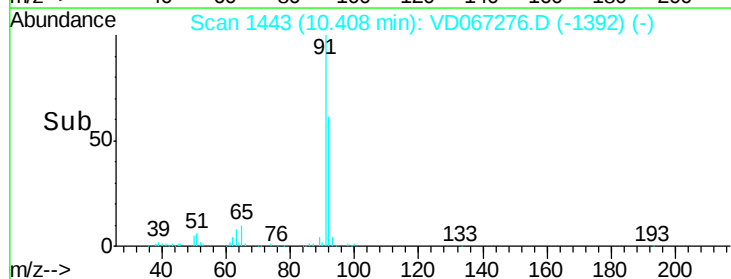
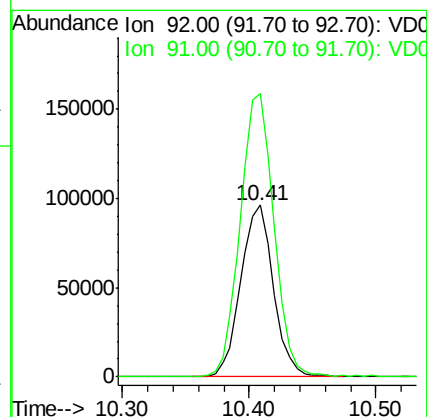
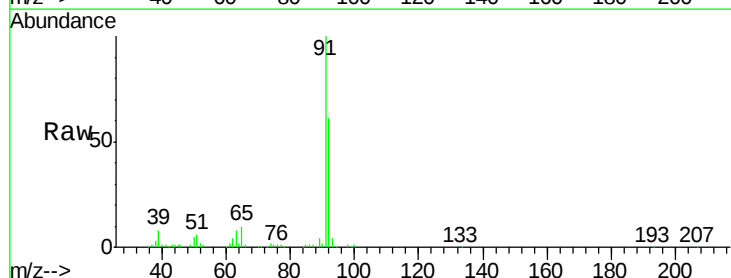
Acq: 15 Oct 2020 11:55

Tgt Ion: 92 Resp: 171765

Ion Ratio Lower Upper

92 100

91 170.4 133.8 200.8





#53

t-1,3-Dichloropropene

Concen: 21.119 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD067276.D

Acq: 15 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

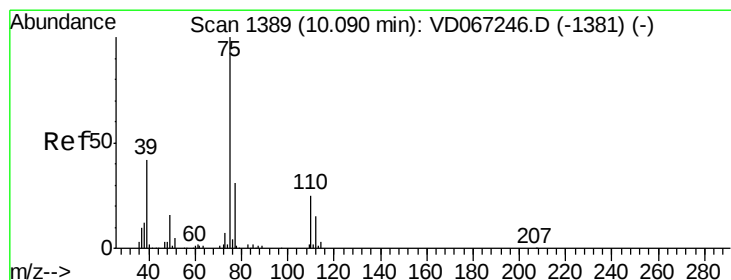
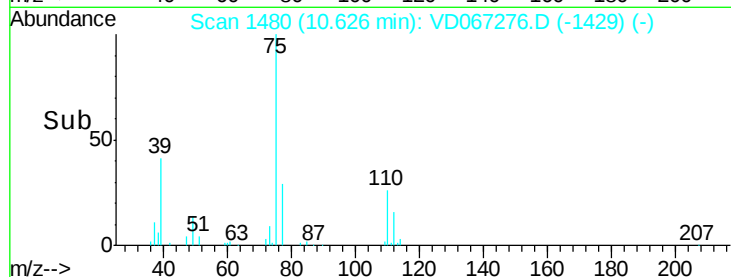
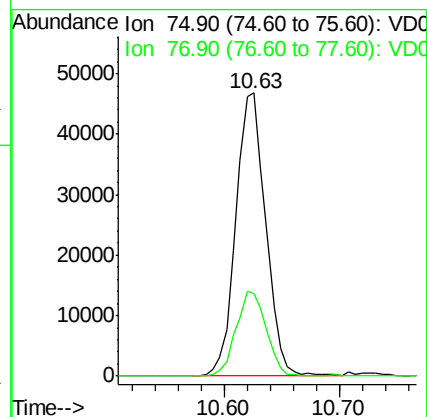
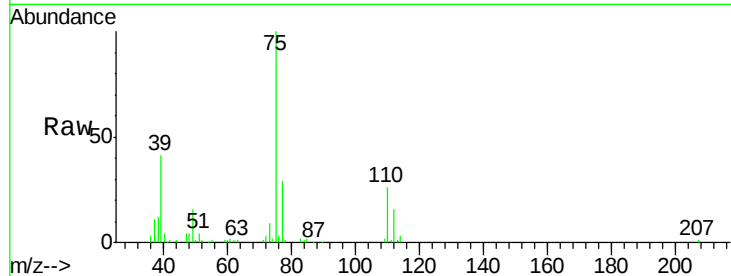
VD1015SBS01

Tot Ion: 75 Resp: 84116

Ion Ratio Lower Upper

75 100

77 28.9 26.5 39.7



#54

cis-1,3-Dichloropropene

Concen: 20.874 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD067276.D

Acq: 15 Oct 2020 11:55

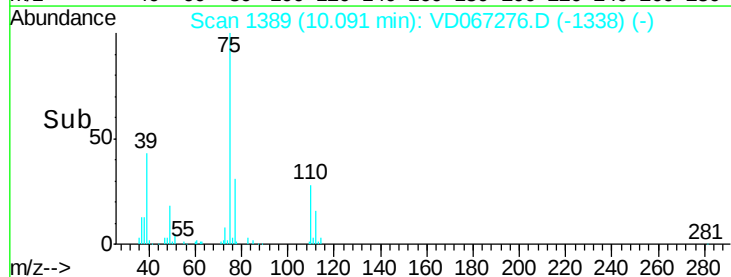
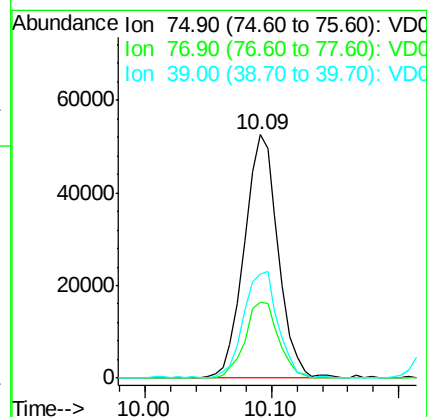
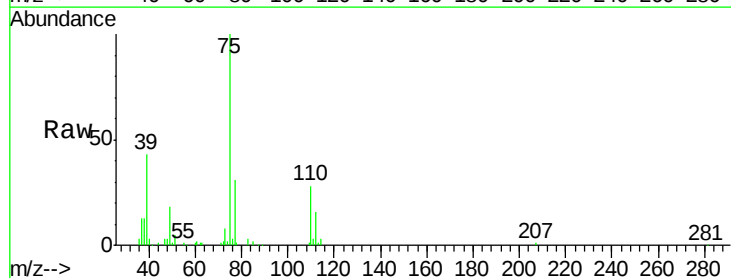
Tgt Ion: 75 Resp: 97300

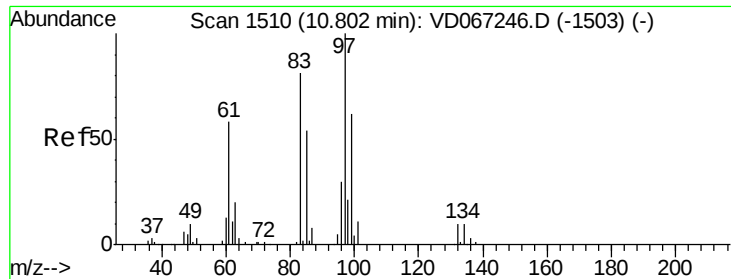
Ion Ratio Lower Upper

75 100

77 31.0 24.5 36.7

39 42.5 33.7 50.5





#55

1,1,2-Trichloroethane

Concen: 21.104 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD067276.D

Acq: 15 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

Tot Ion: 97 Resp: 48701

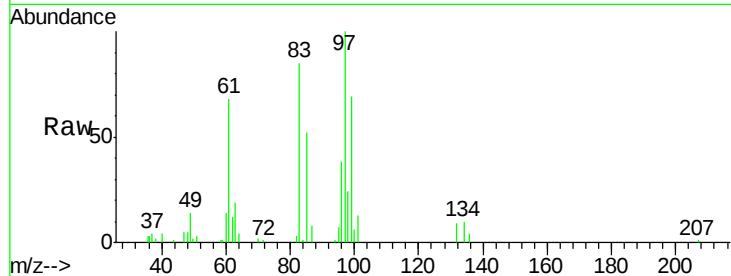
Ion	Ratio	Lower	Upper
97	100		
83	84.4	64.9	97.3
85	51.7	43.3	64.9
99	69.2	49.1	73.7

97 100

83 84.4 64.9 97.3

85 51.7 43.3 64.9

99 69.2 49.1 73.7



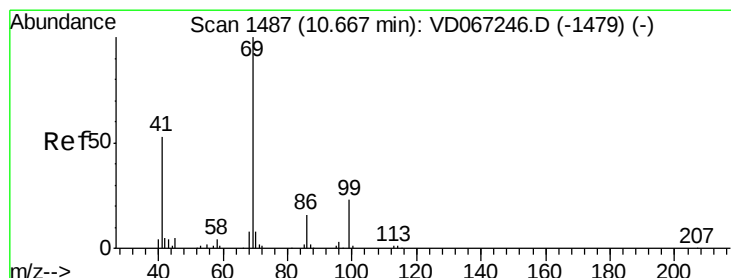
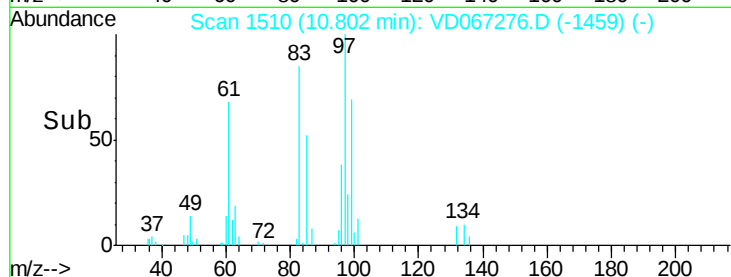
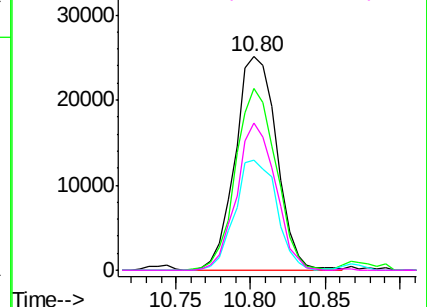
Abundance

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: 20.942 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VD067276.D

Acq: 15 Oct 2020 11:55

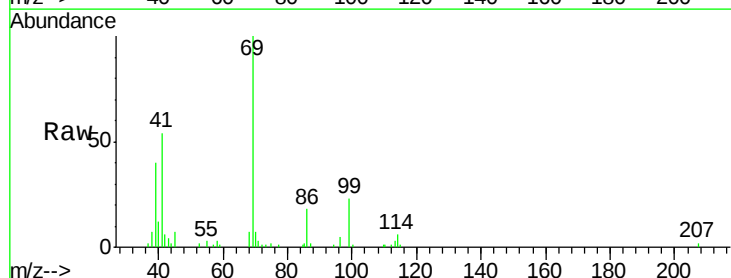
Tgt Ion: 69 Resp: 50121

Ion	Ratio	Lower	Upper
69	100		
41	56.0	44.7	67.1
39	38.2	26.2	39.2

69 100

41 56.0 44.7 67.1

39 38.2 26.2 39.2

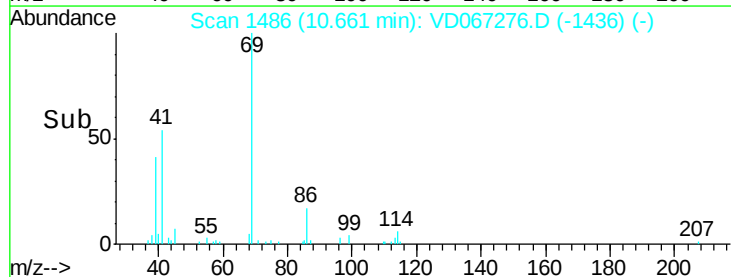
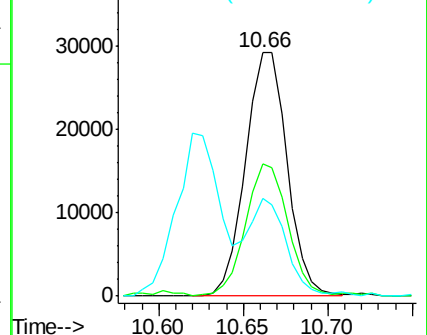


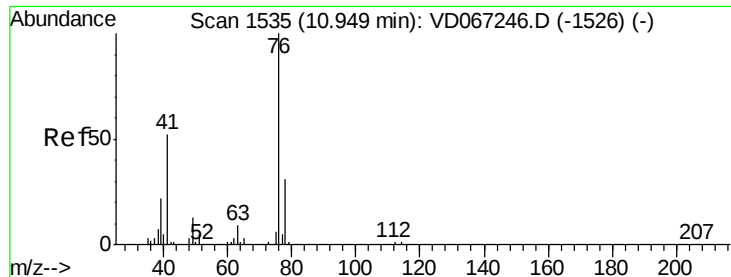
Abundance

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: 21.212 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067276.D

Acq: 15 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

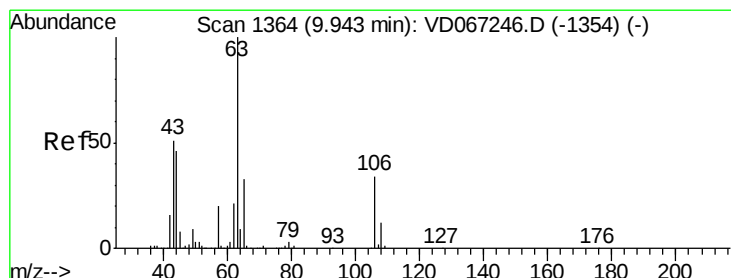
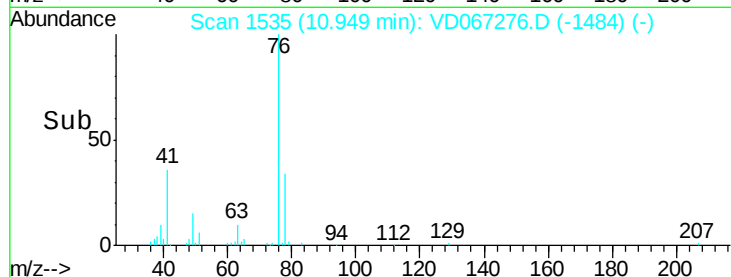
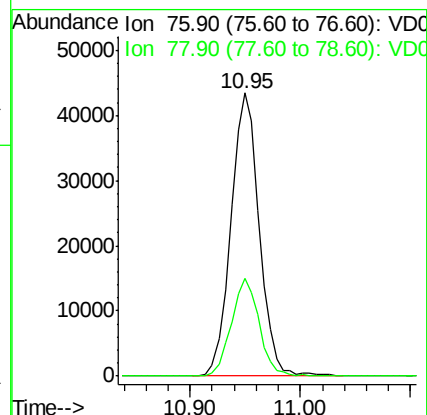
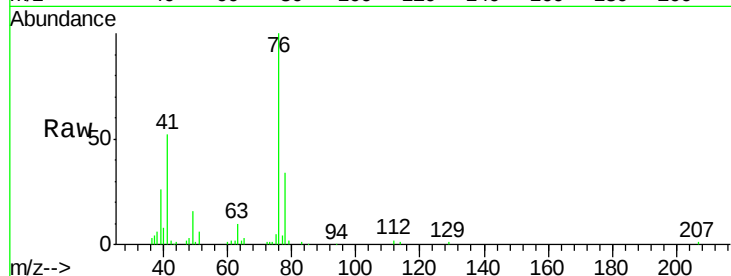
VD1015SBS01

Tot Ion: 76 Resp: 77902

Ion Ratio Lower Upper

76 100

78 33.7 26.8 40.2



#58

2-Chloroethyl Vinyl ether

Concen: 102.964 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067276.D

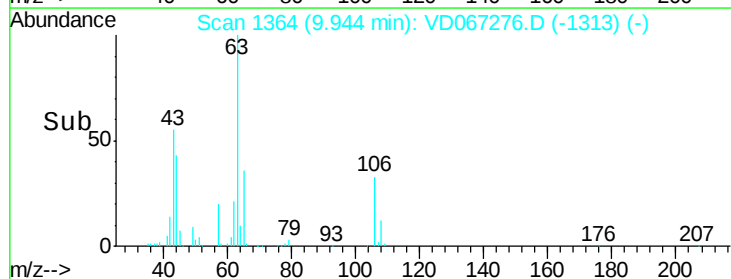
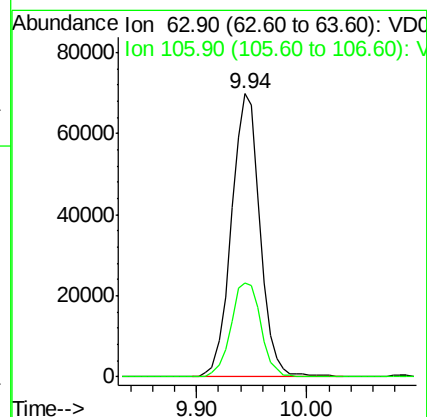
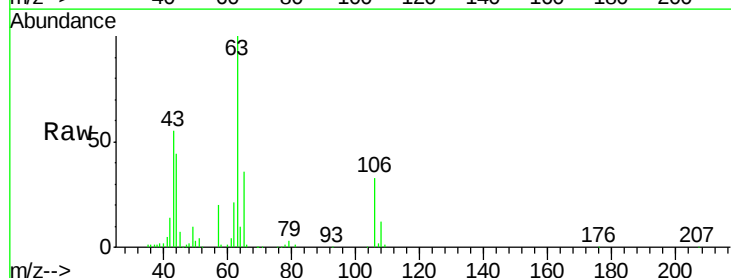
Acq: 15 Oct 2020 11:55

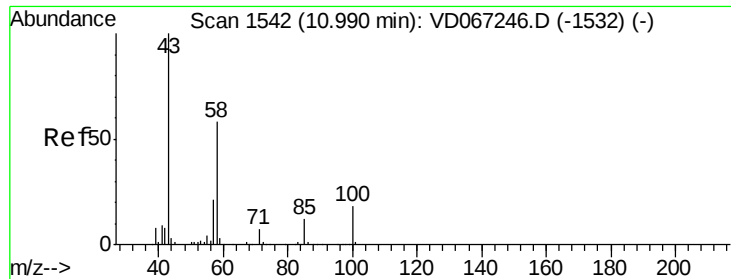
Tgt Ion: 63 Resp: 126416

Ion Ratio Lower Upper

63 100

106 35.1 27.8 41.6

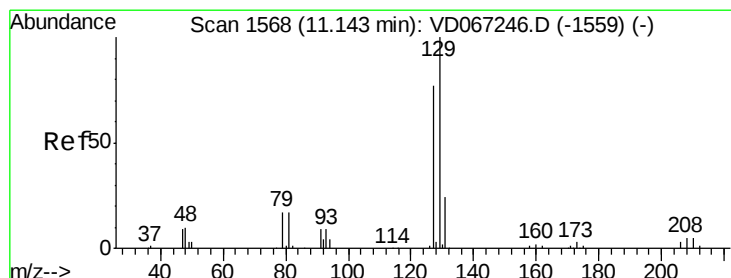
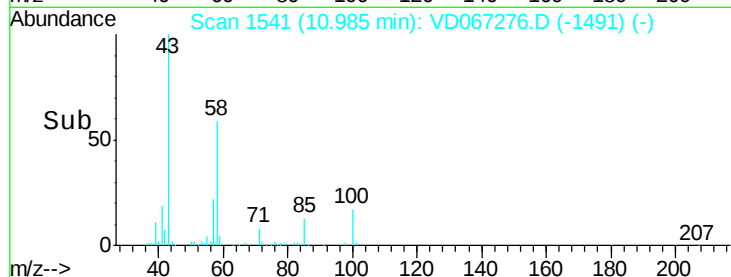
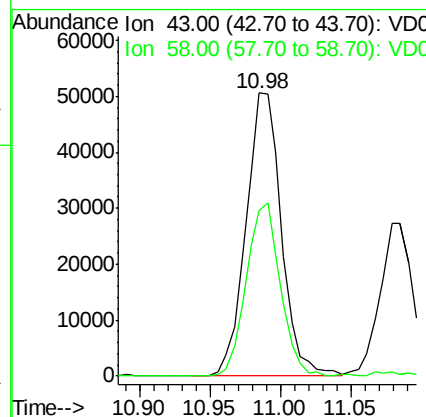
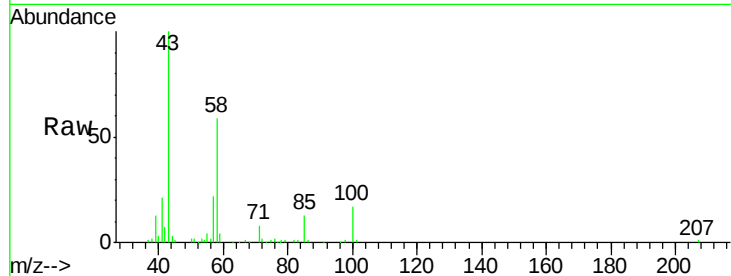




#59
2-Hexanone
Concen: 104.887 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD067276.D
Acq: 15 Oct 2020 11:55

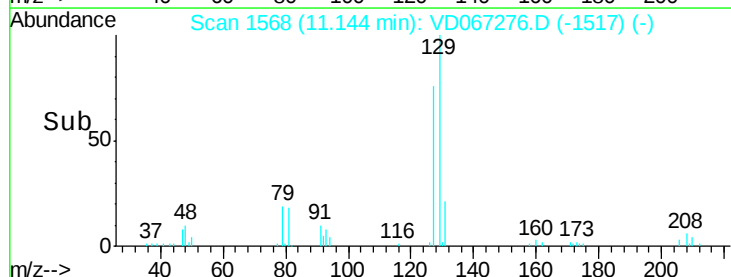
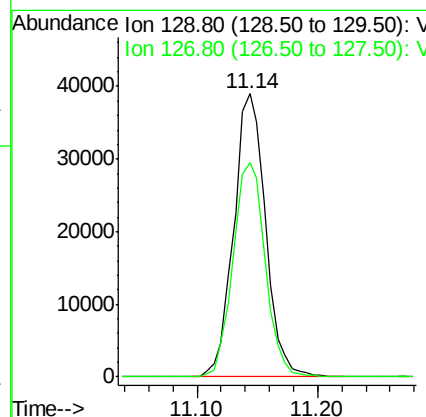
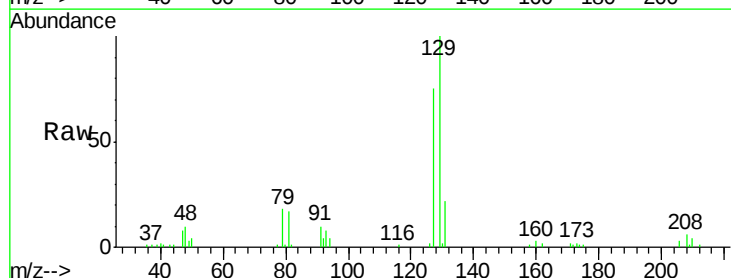
Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

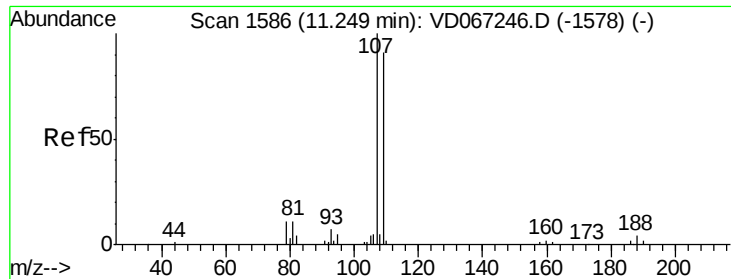
Tot Ion: 43 Resp: 89157
Ion Ratio Lower Upper
43 100
58 58.4 29.3 87.9



#60
Dibromochloromethane
Concen: 21.254 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067276.D
Acq: 15 Oct 2020 11:55

Tgt Ion: 129 Resp: 71528
Ion Ratio Lower Upper
129 100
127 76.6 38.3 114.8





#61

1,2-Dibromoethane

Concen: 22.287 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD067276.D

Acq: 15 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

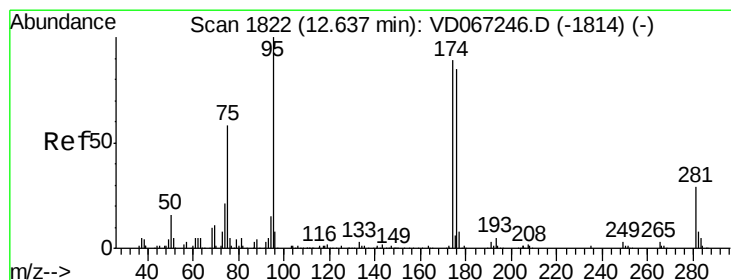
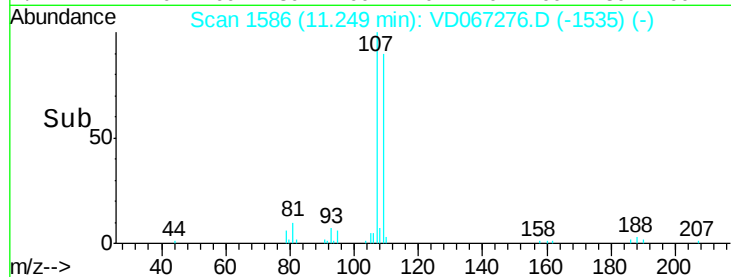
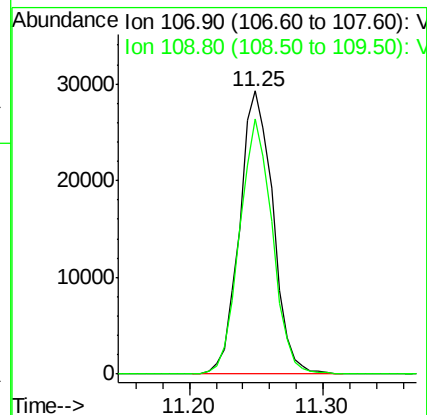
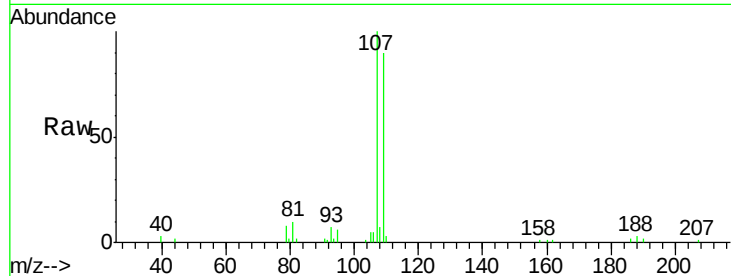
VD1015SBS01

Tot Ion:107 Resp: 50704

Ion Ratio Lower Upper

107 100

109 88.1 74.6 112.0



#62

4-Bromofluorobenzene

Concen: 53.229 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067276.D

Acq: 15 Oct 2020 11:55

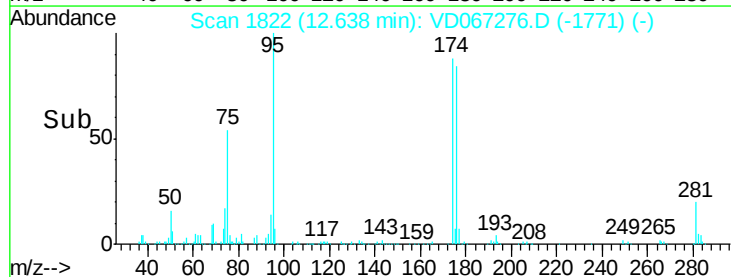
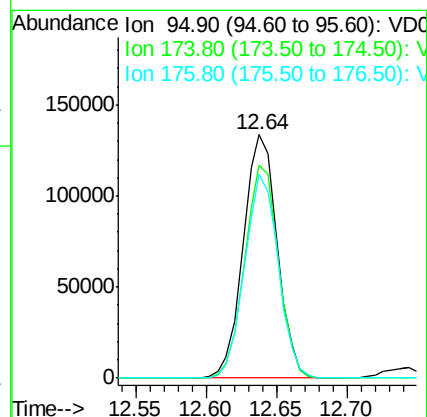
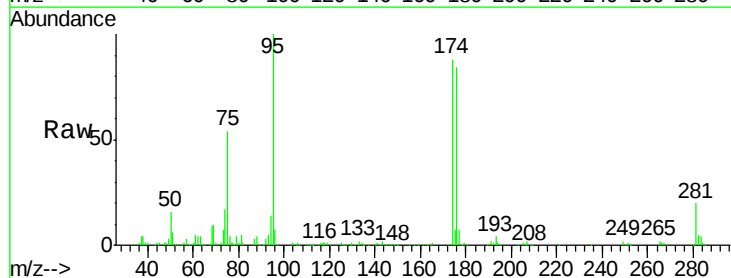
Tgt Ion: 95 Resp: 224679

Ion Ratio Lower Upper

95 100

174 87.2 0.0 175.2

176 83.2 0.0 168.6

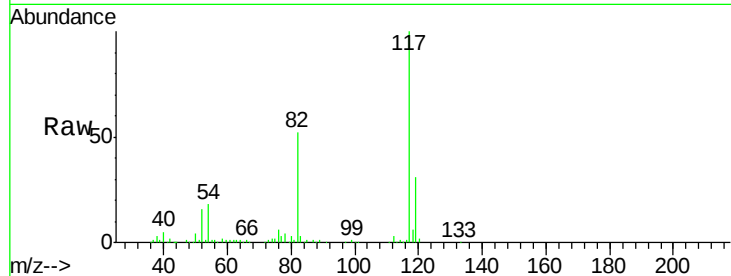




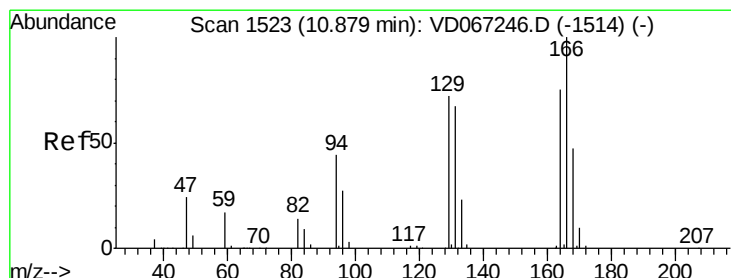
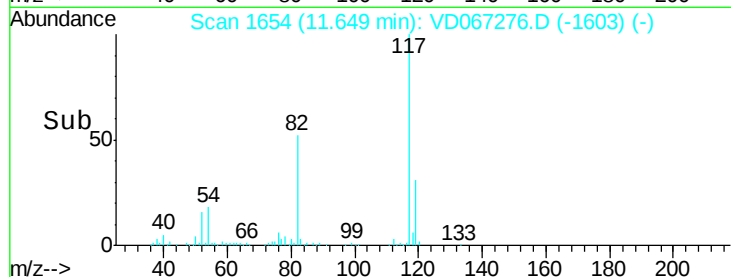
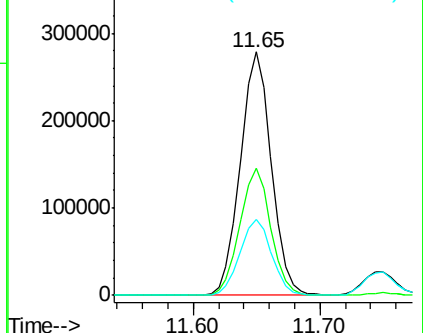
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067276.D
Acq: 15 Oct 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion:117 Resp: 472859
Ion Ratio Lower Upper
117 100
82 52.4 39.9 59.9
119 31.2 24.9 37.3



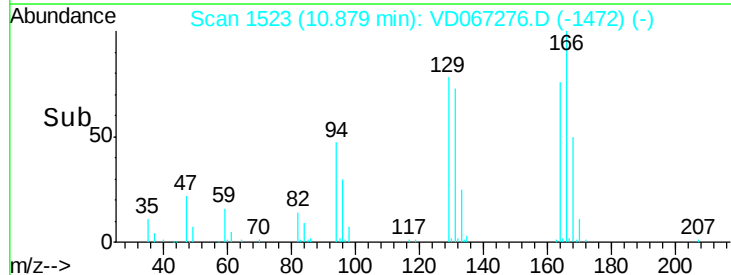
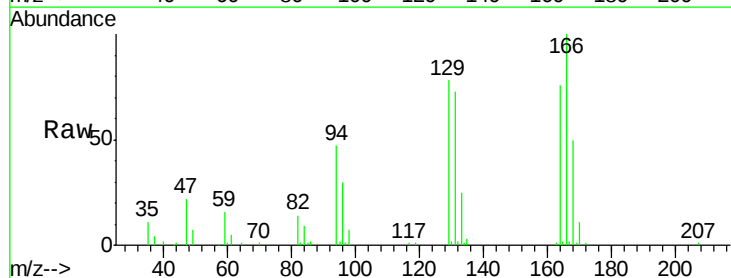
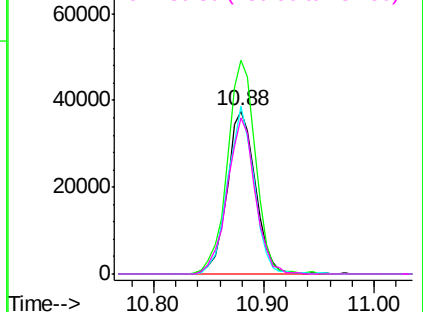
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

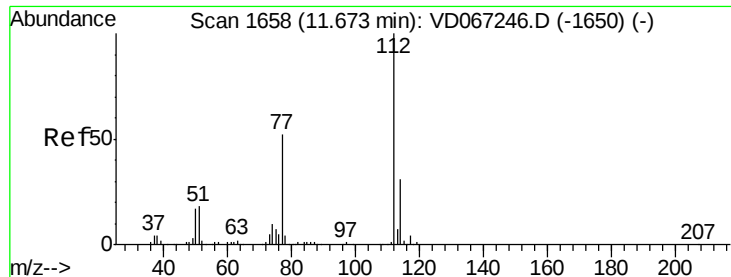


#64
Tetrachloroethene
Concen: 19.646 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067276.D
Acq: 15 Oct 2020 11:55

Tgt Ion:164 Resp: 67309
Ion Ratio Lower Upper
164 100
166 131.3 107.3 160.9
129 102.9 77.3 115.9
131 95.6 71.4 107.2

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

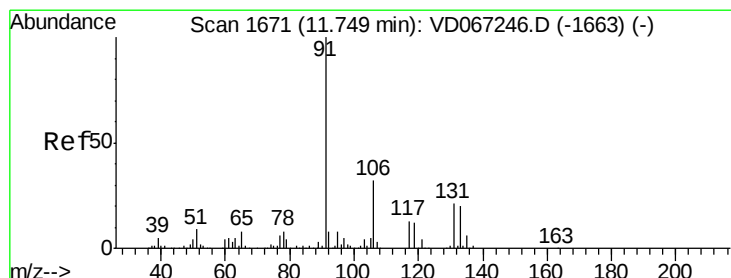
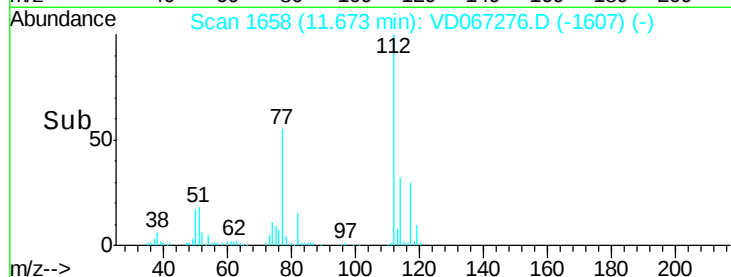
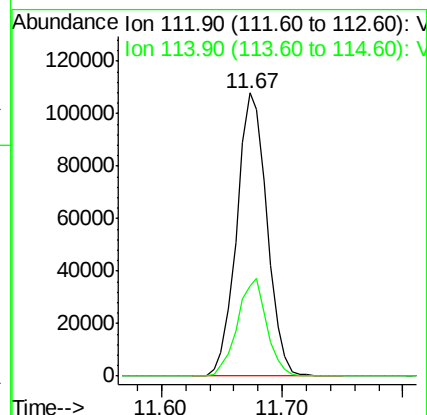
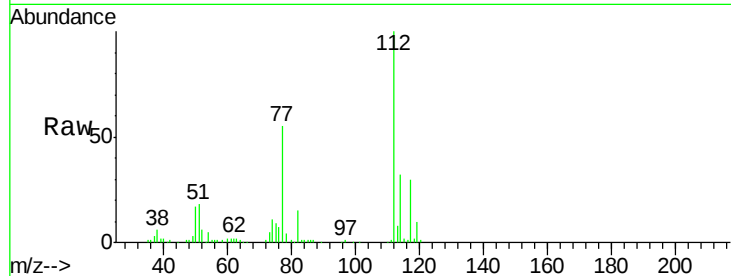




#65
Chlorobenzene
Concen: 20.760 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067276.D
Acq: 15 Oct 2020 11:55

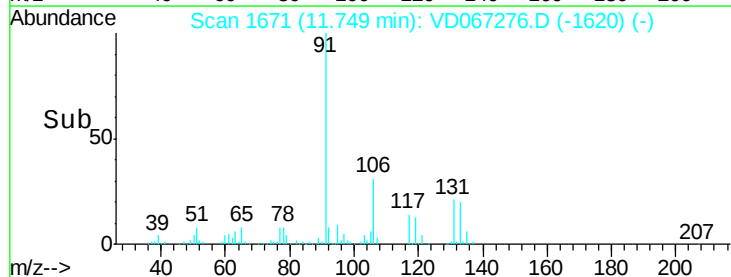
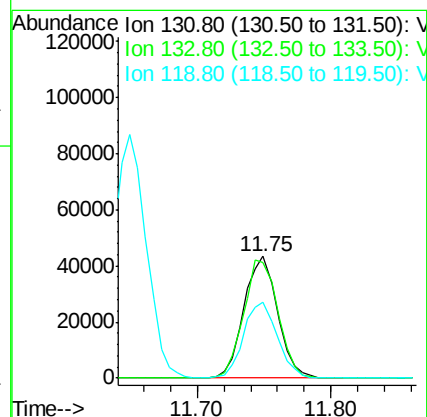
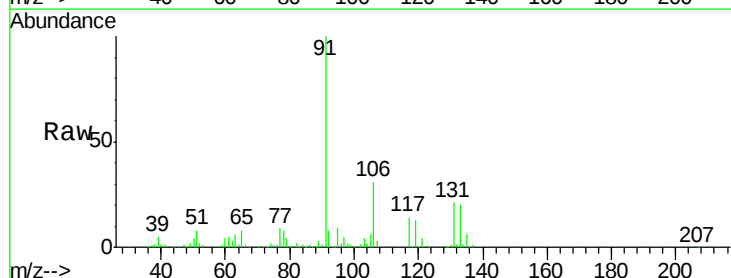
Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

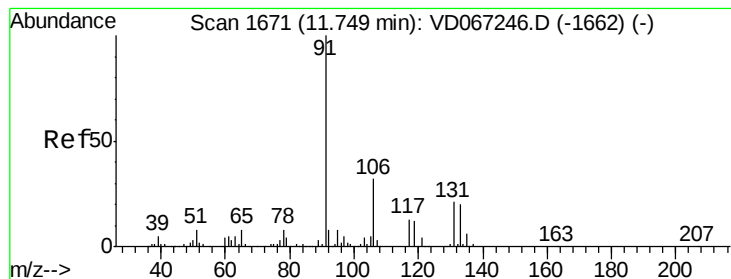
Tot Ion:112 Resp: 188240
Ion Ratio Lower Upper
112 100
114 31.7 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.957 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067276.D
Acq: 15 Oct 2020 11:55

Tgt Ion:131 Resp: 75527
Ion Ratio Lower Upper
131 100
133 99.3 48.1 144.3
119 62.8 30.0 90.0





#67

Ethyl Benzene

Concen: 20.784 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067276.D

Acq: 15 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

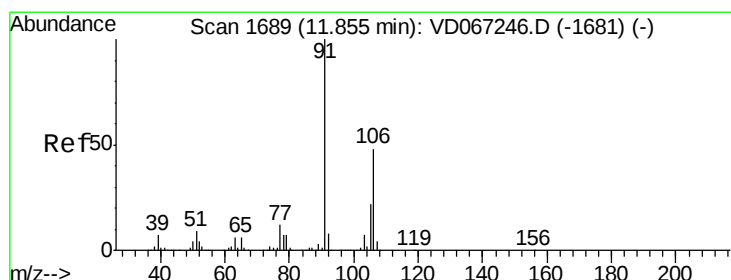
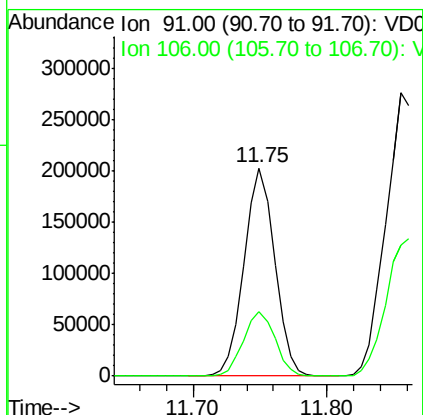
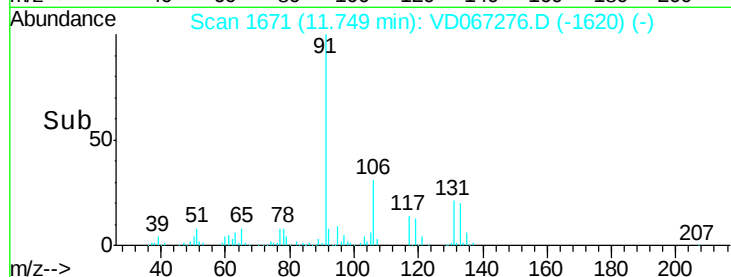
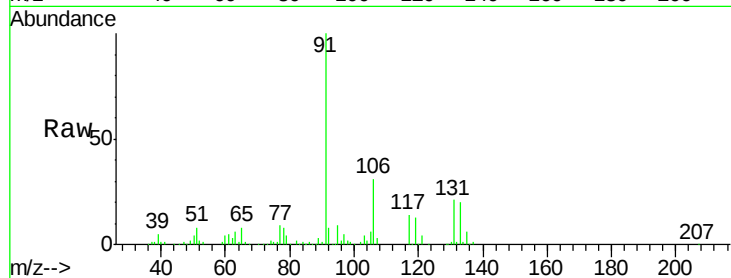
VD1015SBS01

Tot Ion: 91 Resp: 323058

Ion Ratio Lower Upper

91 100

106 31.0 25.4 38.0



#68

m/p-Xylenes

Concen: 43.297 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD067276.D

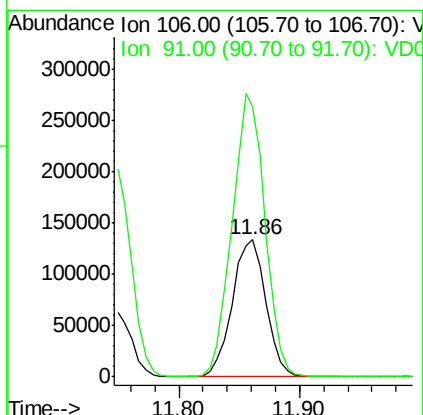
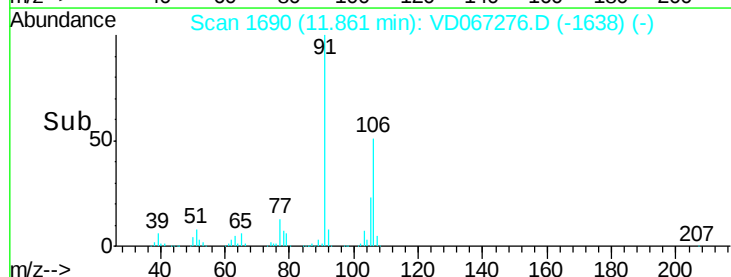
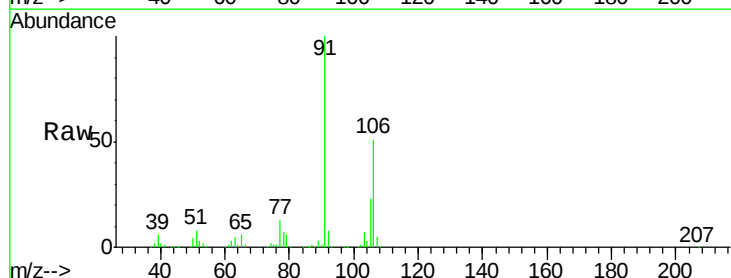
Acq: 15 Oct 2020 11:55

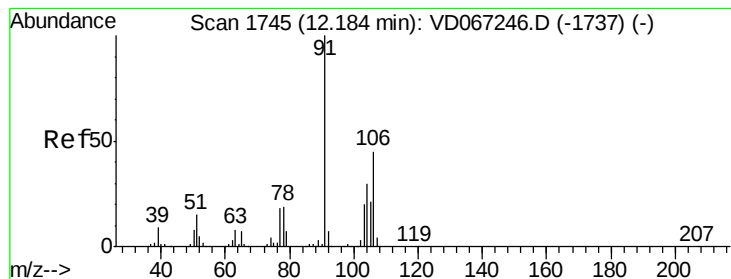
Tgt Ion: 106 Resp: 259161

Ion Ratio Lower Upper

106 100

91 201.1 163.8 245.8





#69

o-Xylene

Concen: 20.970 ug/l

RT: 12.18 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VD067276.D

Acq: 15 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

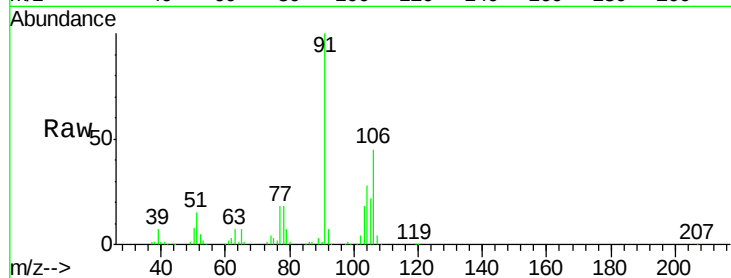
VD1015SBS01

Tot Ion:106 Resp: 116230

Ion Ratio Lower Upper

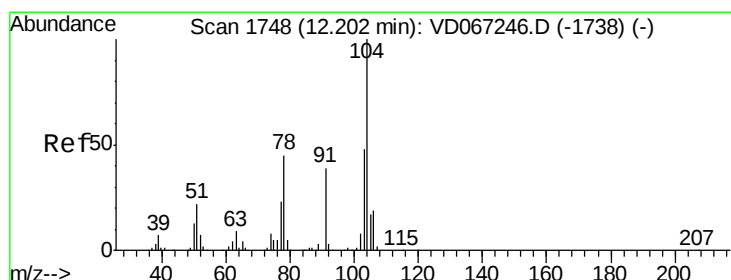
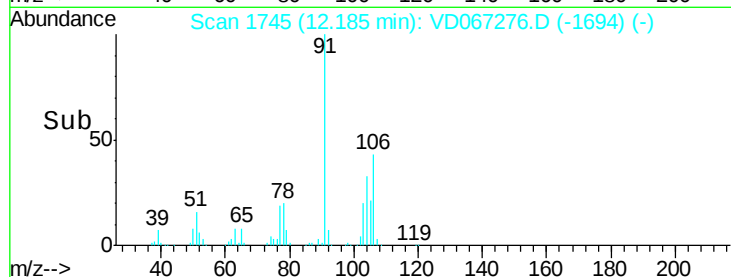
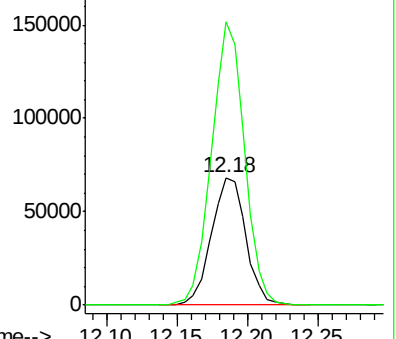
106 100

91 213.4 109.1 327.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC



#70

Styrene

Concen: 21.484 ug/l

RT: 12.20 min Scan# 1748

Delta R.T. 0.00 min

Lab File: VD067276.D

Acq: 15 Oct 2020 11:55

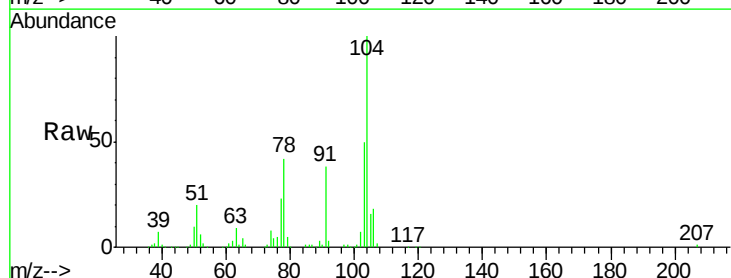
Tgt Ion:104 Resp: 204985

Ion Ratio Lower Upper

104 100

78 47.4 39.8 59.6

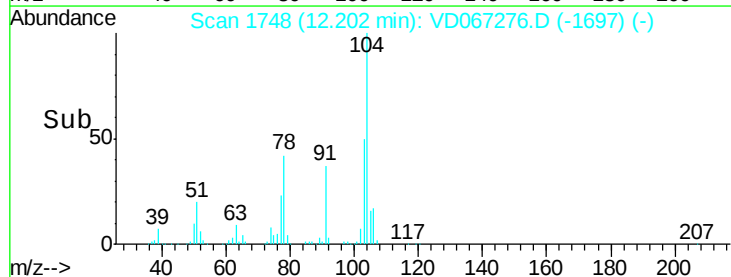
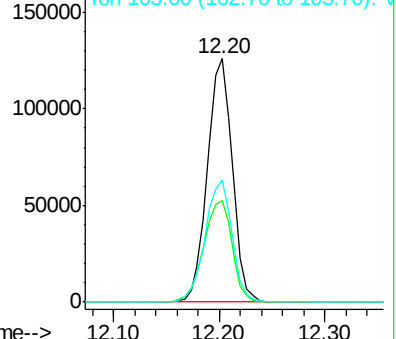
103 53.8 42.6 64.0

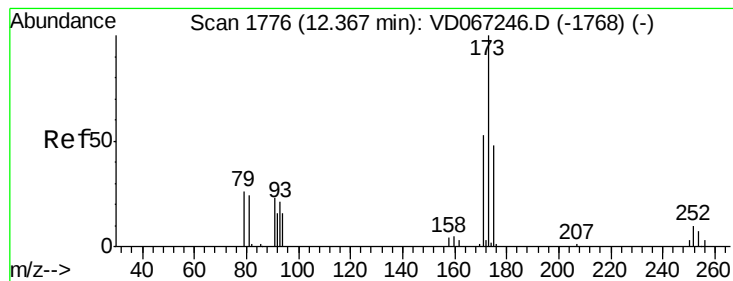


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VDC

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 21.464 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067276.D

Acq: 15 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

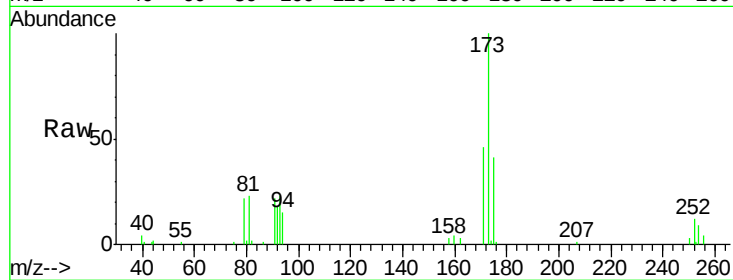
Tot Ion:173 Resp: 41556

Ion Ratio Lower Upper

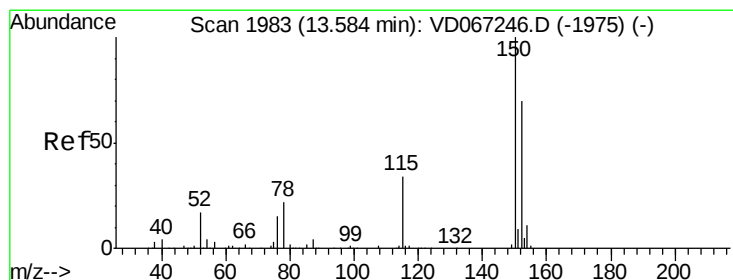
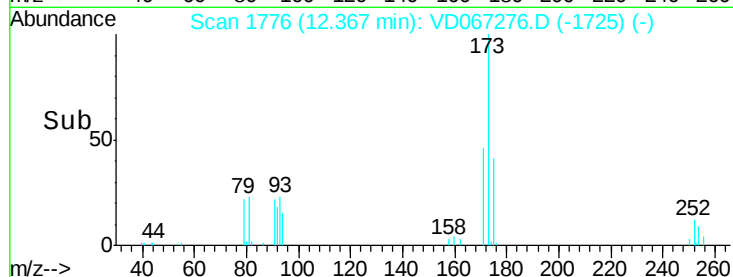
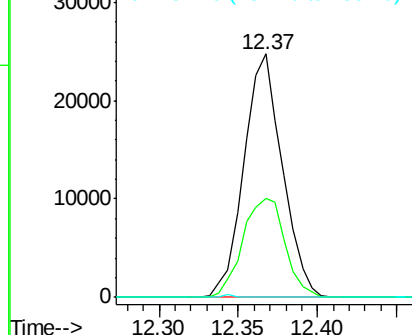
173 100

175 45.0 24.2 72.6

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: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD067276.D

Acq: 15 Oct 2020 11:55

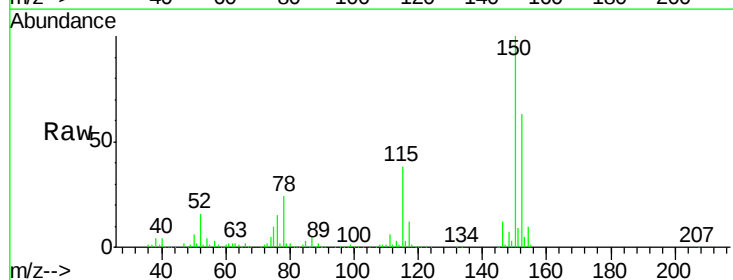
Tgt Ion:152 Resp: 243269

Ion Ratio Lower Upper

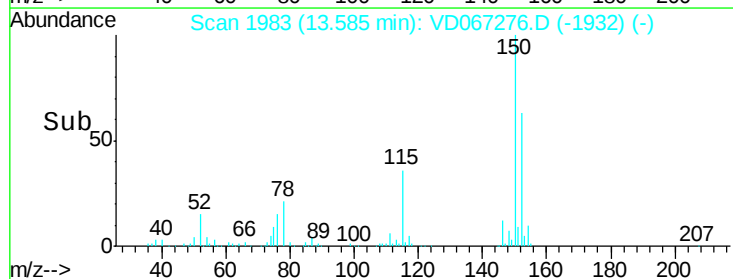
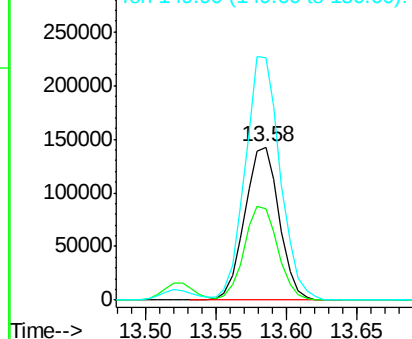
152 100

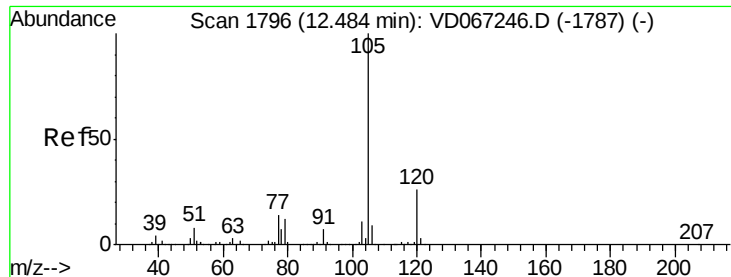
115 59.6 29.3 87.9

150 162.6 0.0 339.0



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





#73

Isopropylbenzene

Concen: 20.789 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067276.D

Acq: 15 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

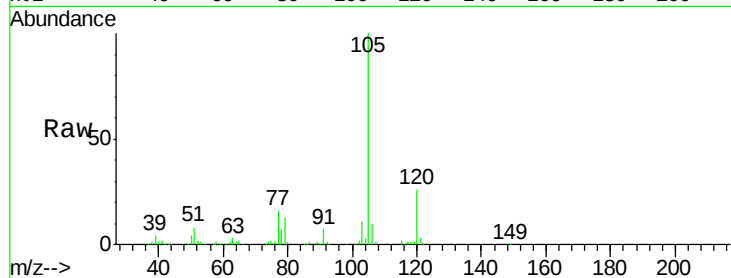
VD1015SBS01

Tot Ion:105 Resp: 320976

Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

200000

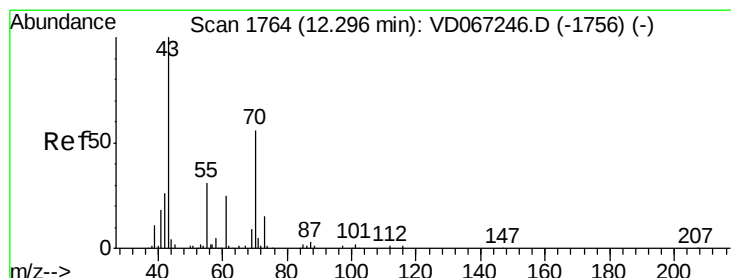
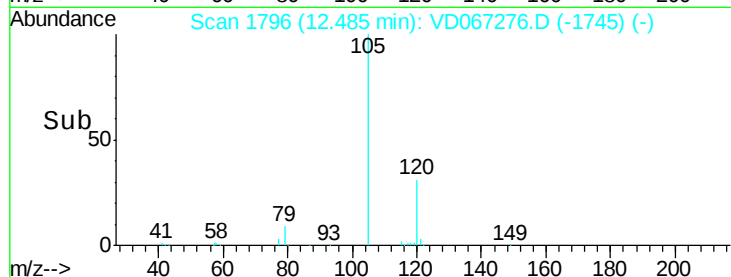
150000

100000

50000

0

Time--> 12.40 12.50



#74

N-ethyl acetate

Concen: 20.127 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD067276.D

Acq: 15 Oct 2020 11:55

Tgt Ion: 43 Resp: 46933

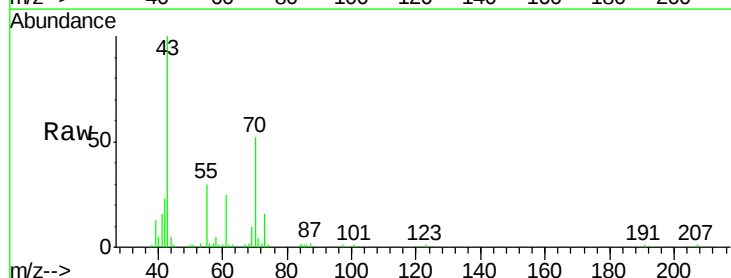
Ion Ratio Lower Upper

43 100

70 51.3 42.7 64.1

55 30.0 24.0 36.0

61 28.9 22.2 33.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

12.30

40000

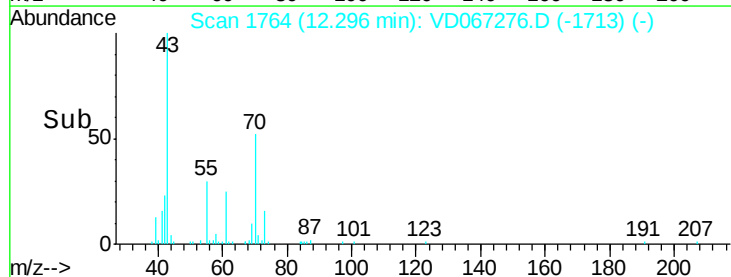
30000

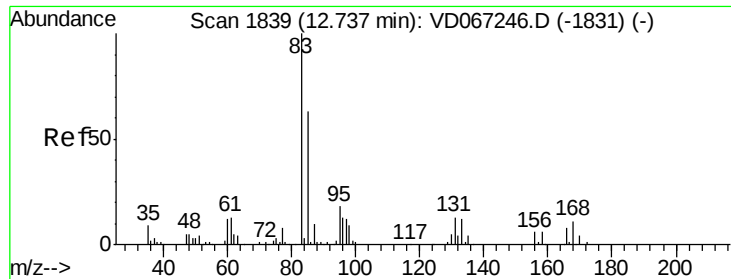
20000

10000

0

Time--> 12.20 12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 20.864 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067276.D

Acq: 15 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

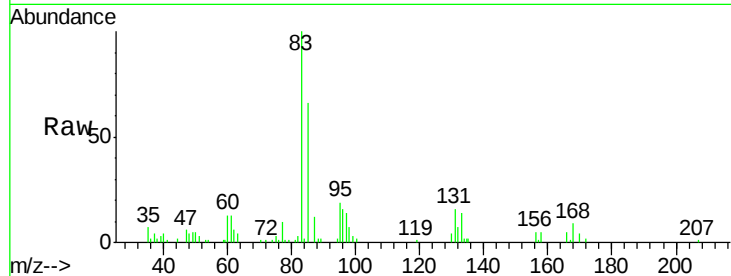
Tot Ion: 83 Resp: 49358

Ion Ratio Lower Upper

83 100

131 14.5 6.5 19.5

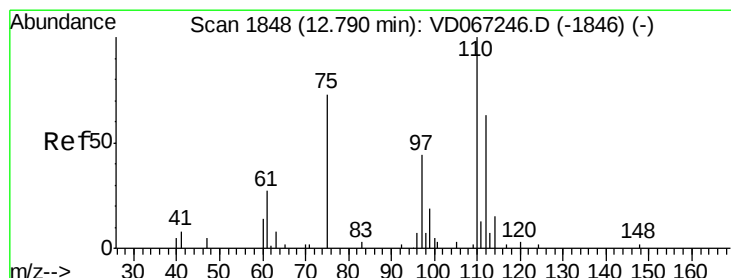
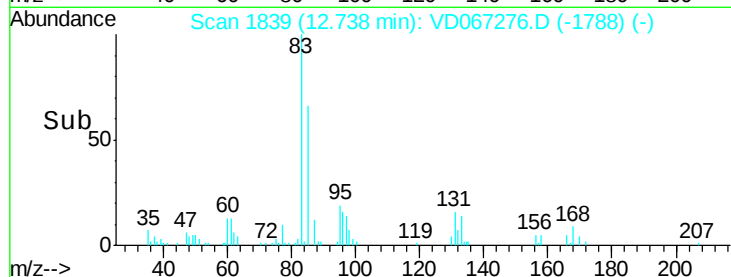
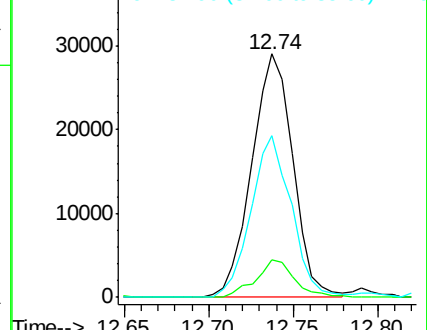
85 64.8 32.6 97.7



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: 18.123 ug/l m

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD067276.D

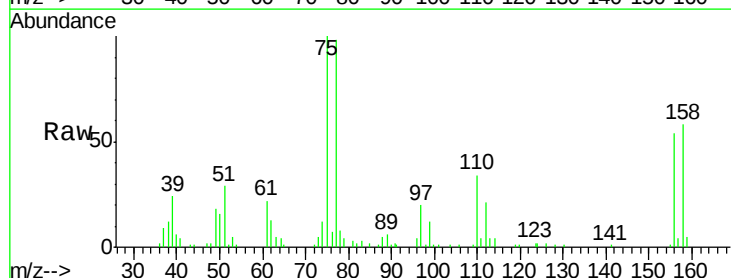
Acq: 15 Oct 2020 11:55

Tgt Ion: 75 Resp: 30557

Ion Ratio Lower Upper

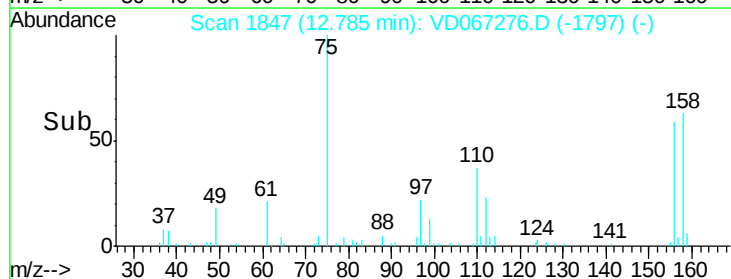
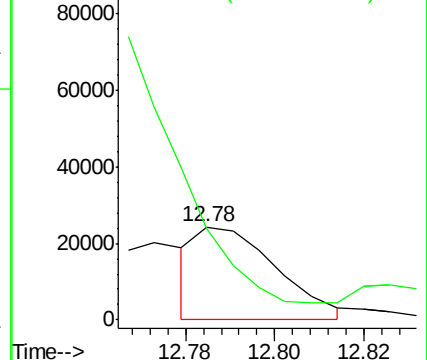
75 100

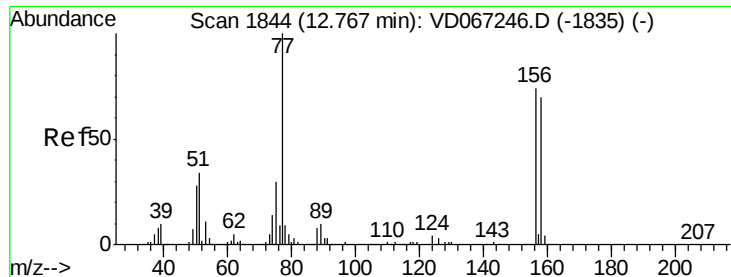
77 426.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.865 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067276.D

Acq: 15 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

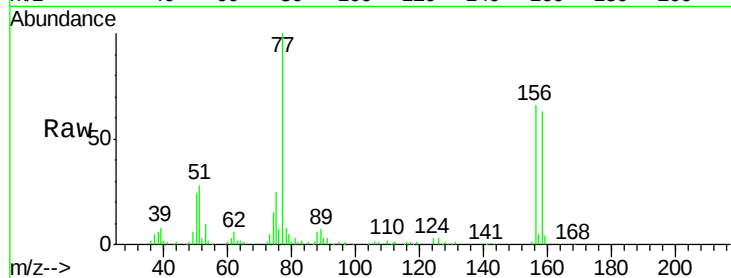
Tot Ion:156 Resp: 80313

Ion Ratio Lower Upper

156 100

77 162.1 78.0 233.8

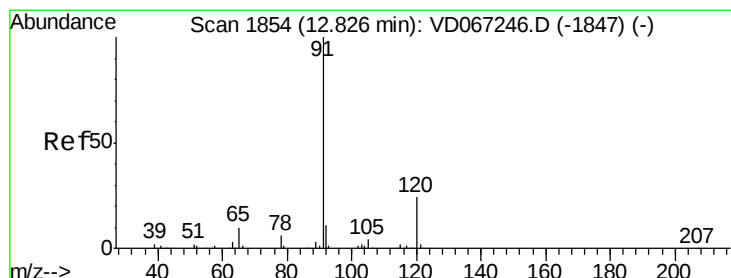
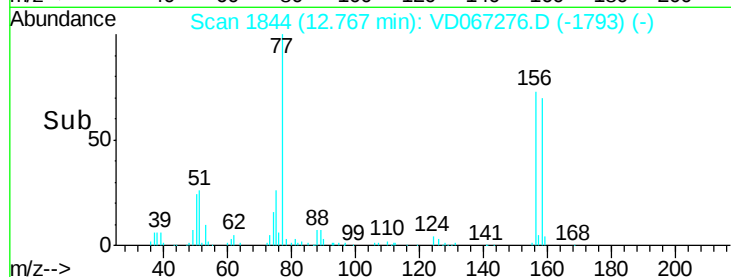
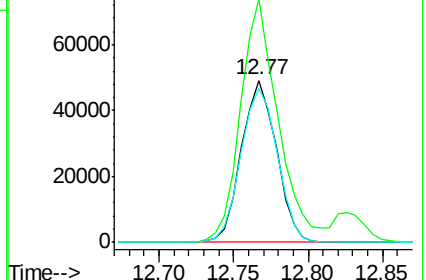
158 98.9 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.240 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067276.D

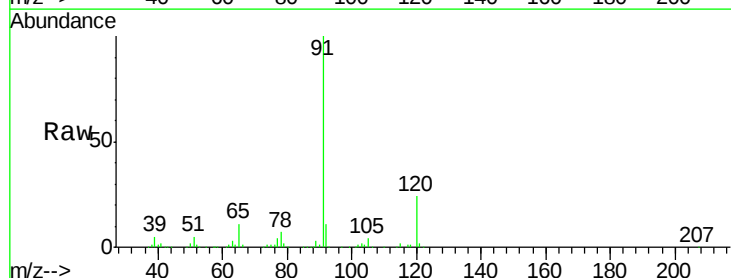
Acq: 15 Oct 2020 11:55

Tgt Ion: 91 Resp: 379956

Ion Ratio Lower Upper

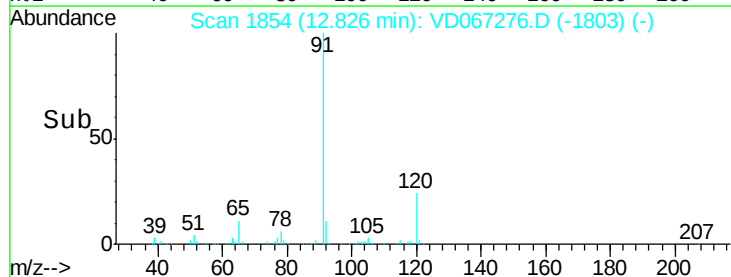
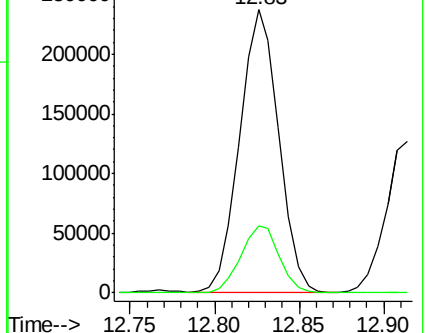
91 100

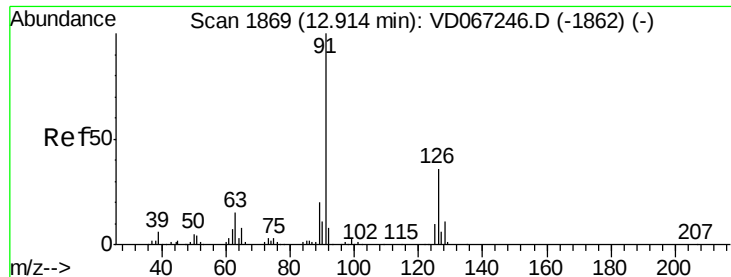
120 23.6 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.892 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067276.D

Acq: 15 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

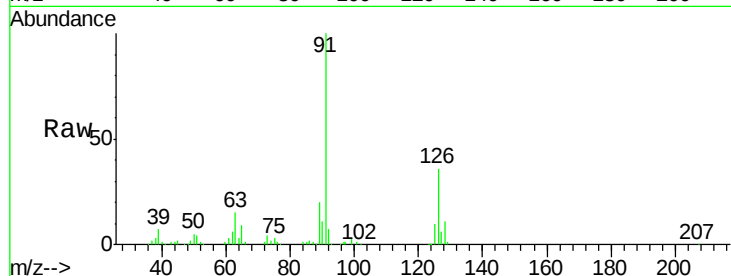
VD1015SBS01

Tot Ion: 91 Resp: 216735

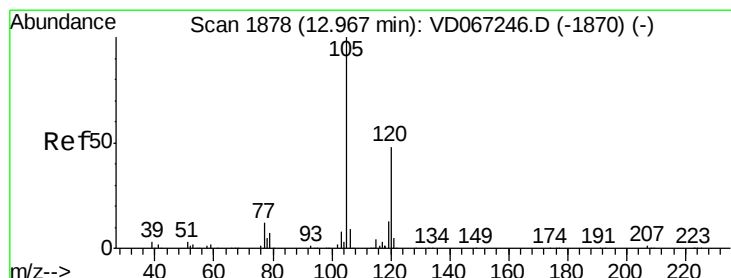
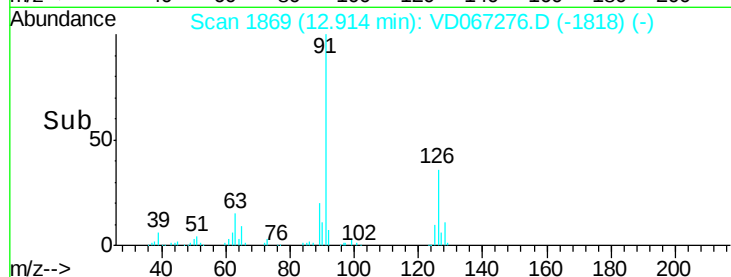
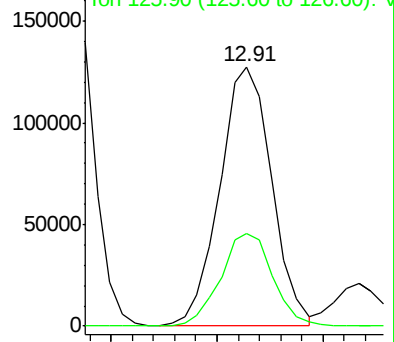
Ion Ratio Lower Upper

91 100

126 36.0 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VD067246.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.180 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067276.D

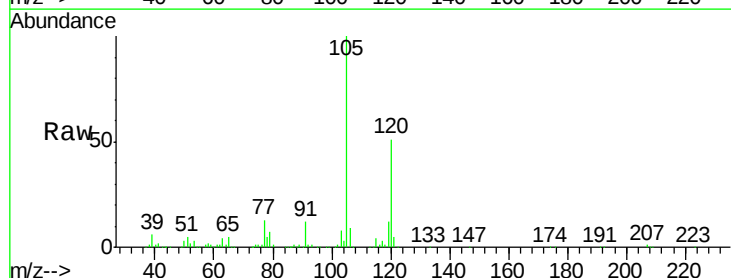
Acq: 15 Oct 2020 11:55

Tgt Ion: 105 Resp: 284167

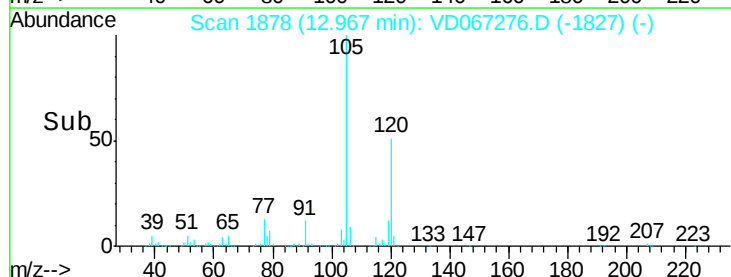
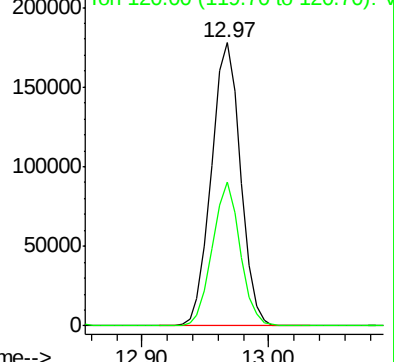
Ion Ratio Lower Upper

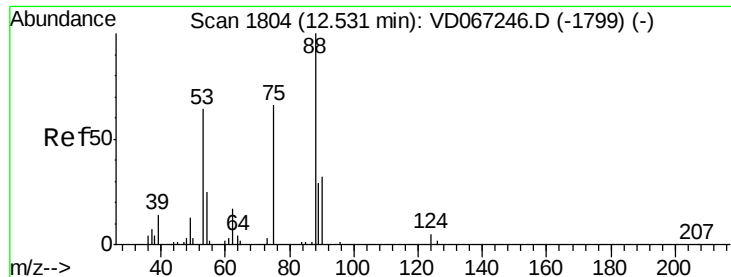
105 100

120 48.3 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VD067246.D (-1870) (-)

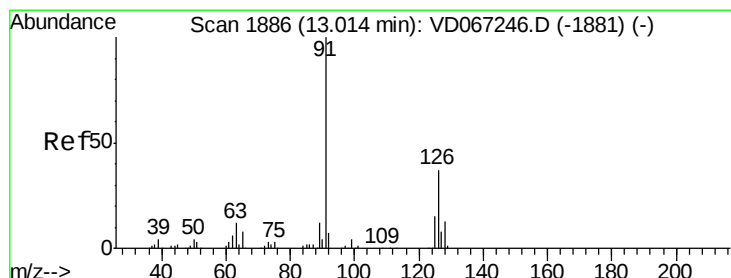
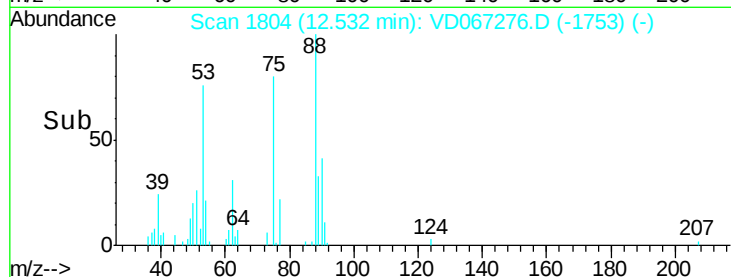
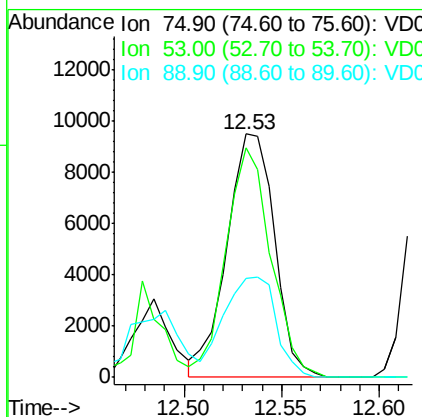
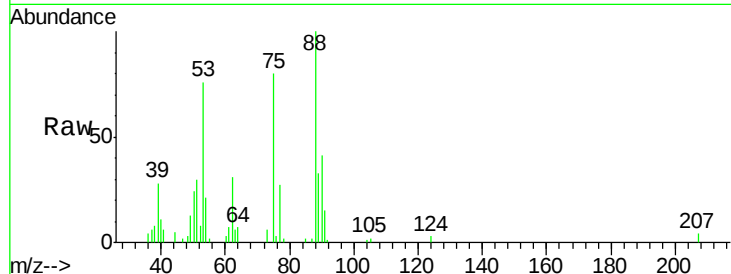




#81
trans-1,4-Dichloro-2-butene
Concen: 21.644 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067276.D
Acq: 15 Oct 2020 11:55

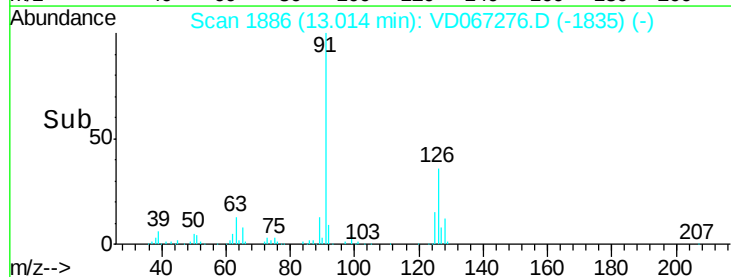
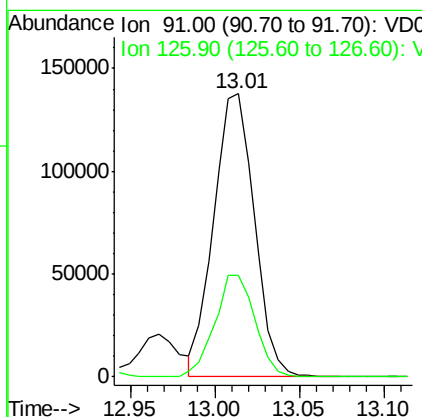
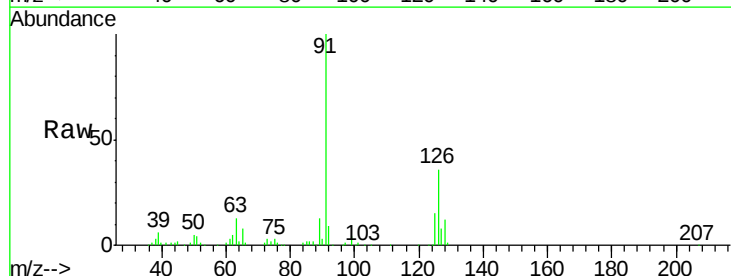
Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

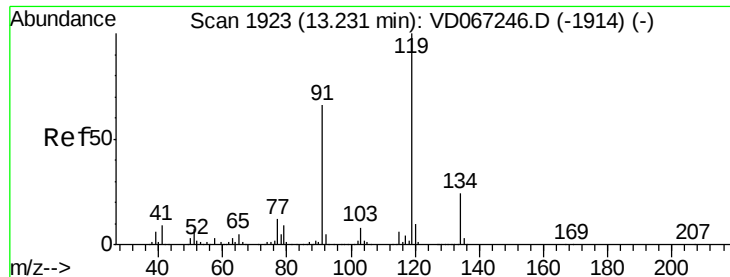
Tot Ion: 75 Resp: 16093
Ion Ratio Lower Upper
75 100
53 89.0 78.5 117.7
89 44.9 39.9 59.9



#82
4-Chlorotoluene
Concen: 20.934 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD067276.D
Acq: 15 Oct 2020 11:55

Tgt Ion: 91 Resp: 230495
Ion Ratio Lower Upper
91 100
126 35.7 17.8 53.5

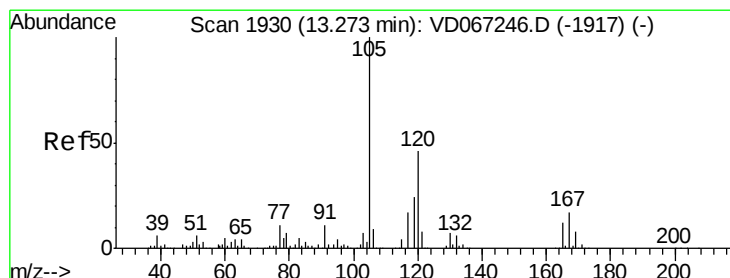
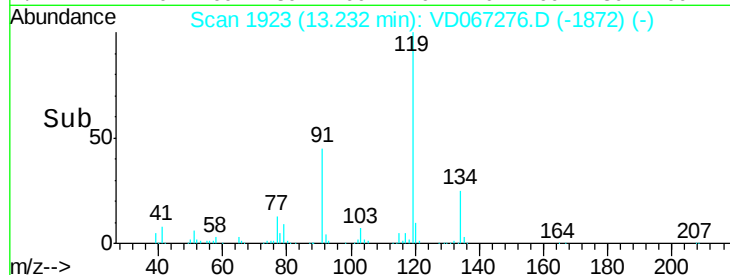
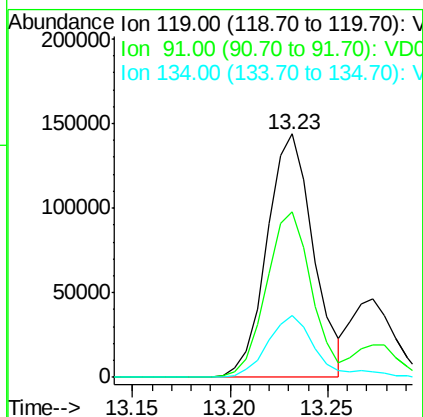
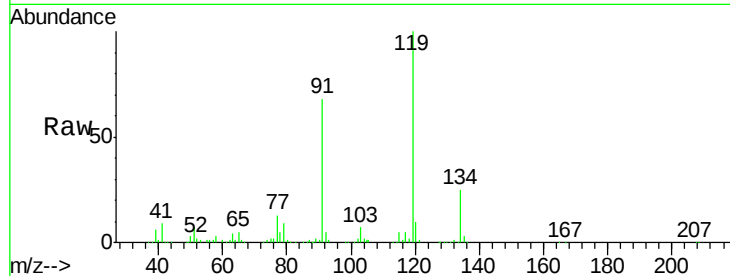




#83
tert-Butylbenzene
Concen: 20.915 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD067276.D
Acq: 15 Oct 2020 11:55

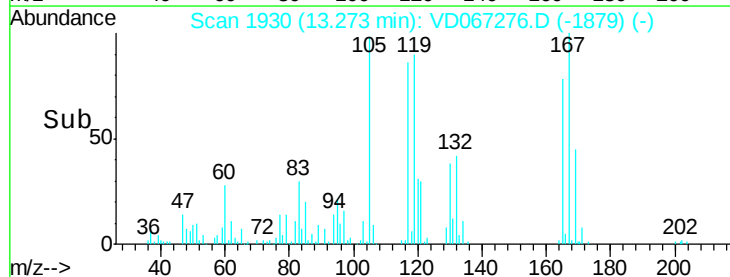
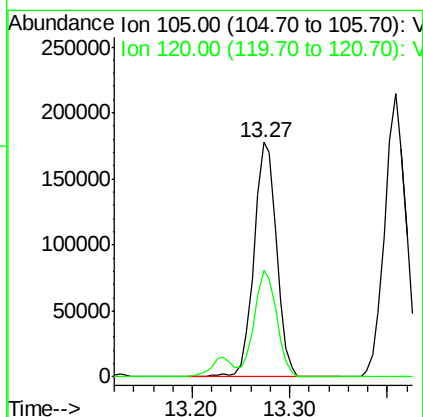
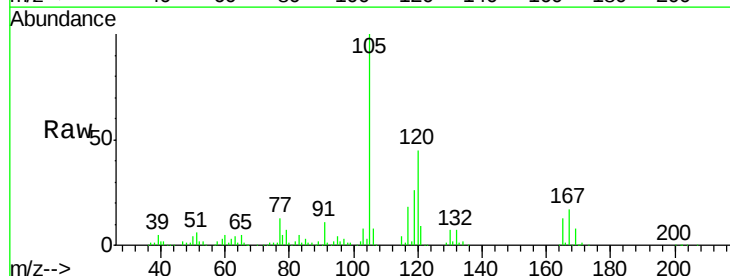
Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

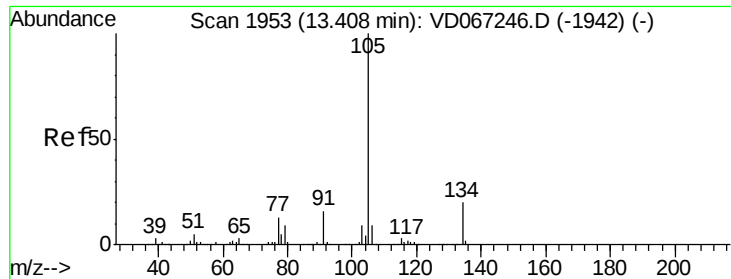
Tot Ion:119 Resp: 237039
Ion Ratio Lower Upper
119 100
91 66.2 33.1 99.2
134 26.9 13.3 39.9



#84
1,2,4-Trimethylbenzene
Concen: 21.588 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067276.D
Acq: 15 Oct 2020 11:55

Tgt Ion:105 Resp: 286272
Ion Ratio Lower Upper
105 100
120 44.6 22.4 67.3





#85

sec-Butylbenzene

Concen: 20.906 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067276.D

Acq: 15 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

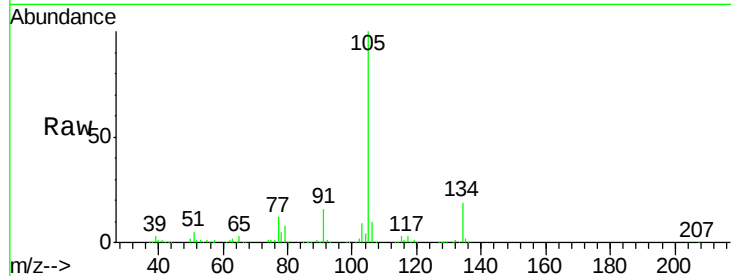
VD1015SBS01

Tot Ion:105 Resp: 325109

Ion Ratio Lower Upper

105 100

134 20.6 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

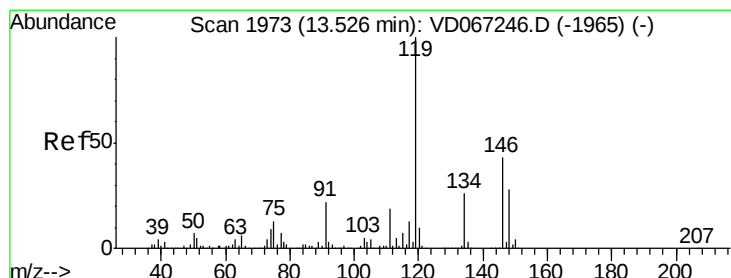
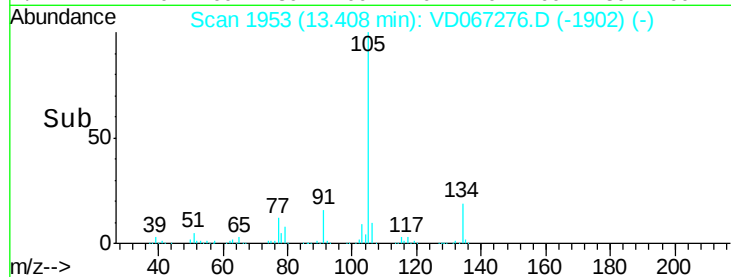
150000

100000

50000

0

Time--> 13.30 13.40 13.50



#86

p-Isopropyltoluene

Concen: 21.338 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD067276.D

Acq: 15 Oct 2020 11:55

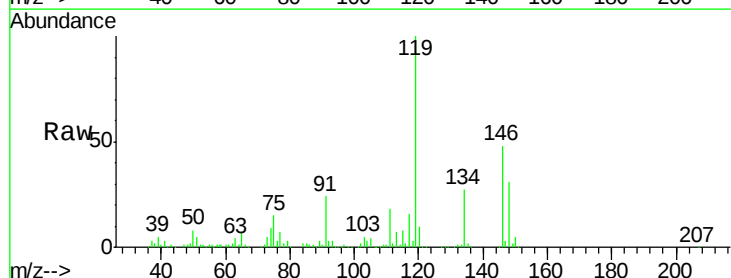
Tgt Ion:119 Resp: 313210

Ion Ratio Lower Upper

119 100

134 26.5 13.1 39.3

91 24.0 11.9 35.9



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

250000

200000

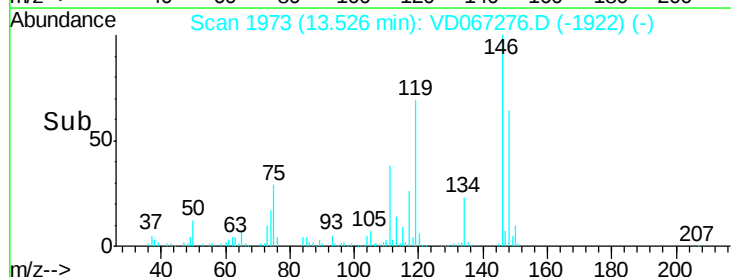
150000

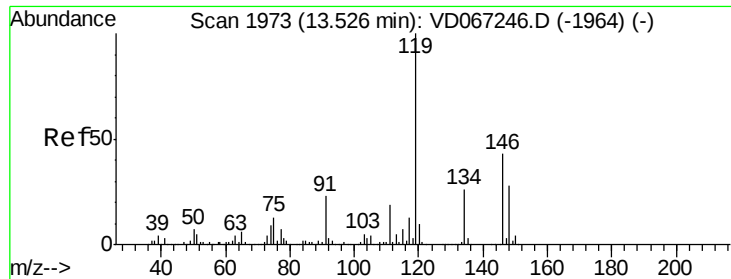
100000

50000

0

Time--> 13.45 13.50 13.55 13.60

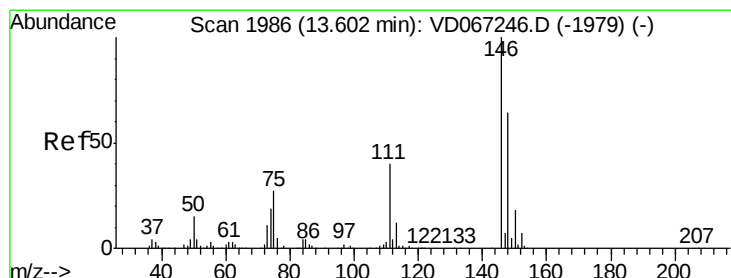
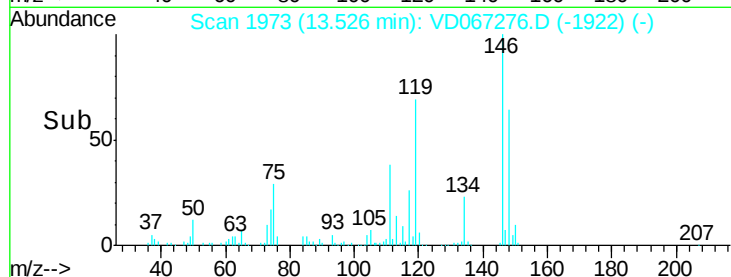
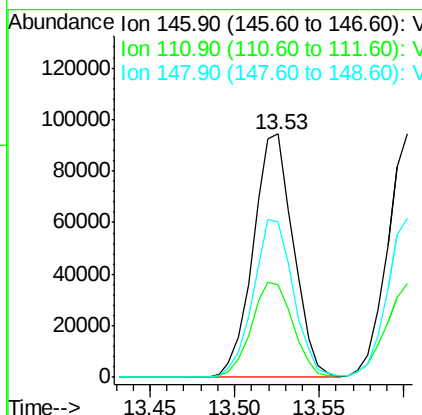
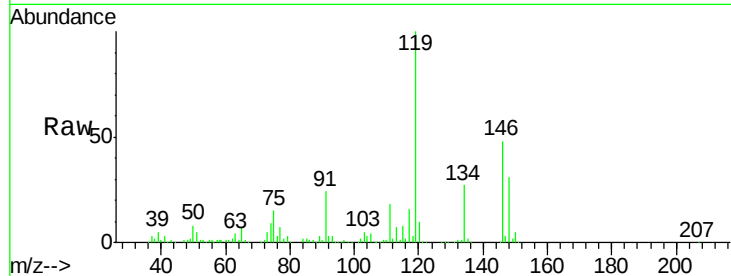




#87
 1,3-Dichlorobenzene
 Concen: 20.973 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD067276.D
 Acq: 15 Oct 2020 11:55

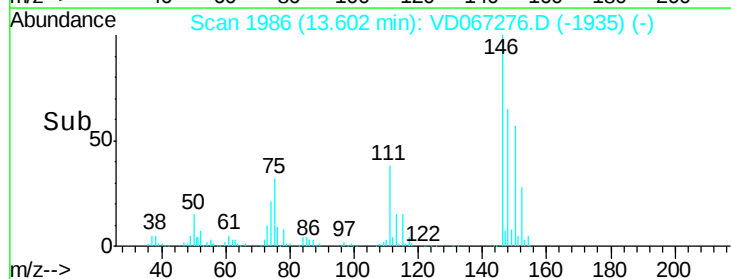
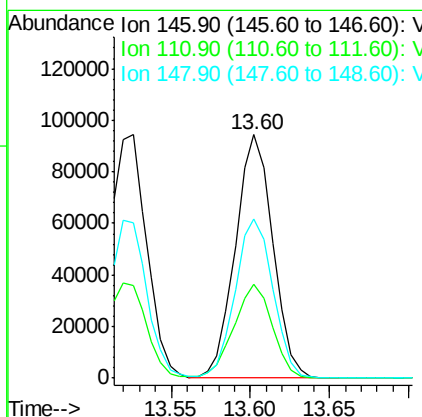
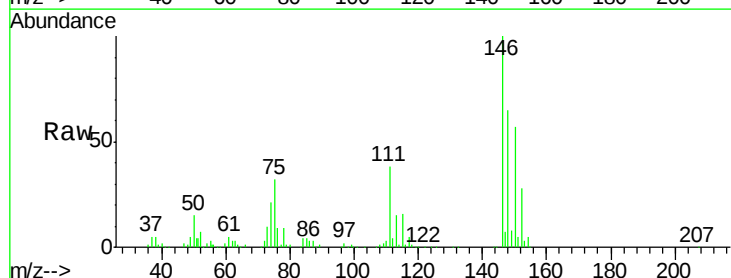
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

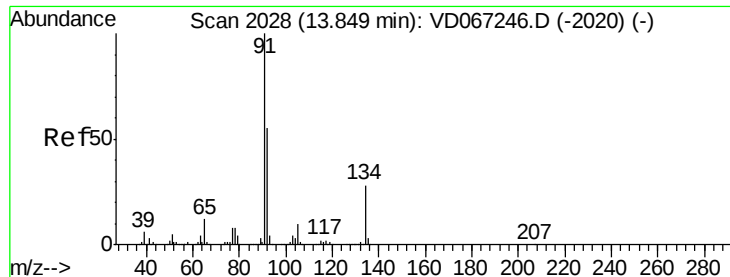
Tot Ion:146 Resp: 155387
 Ion Ratio Lower Upper
 146 100
 111 40.4 21.1 63.3
 148 65.0 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 21.115 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067276.D
 Acq: 15 Oct 2020 11:55

Tgt Ion:146 Resp: 154989
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.9 59.7
 148 65.7 31.9 95.9

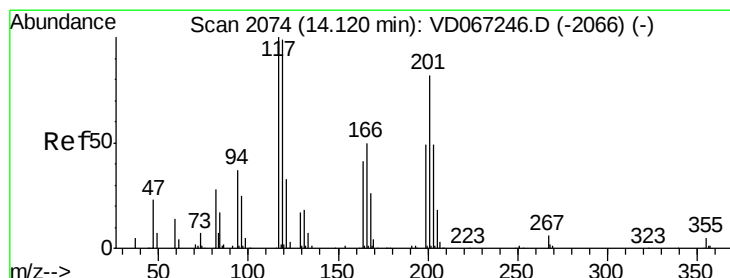
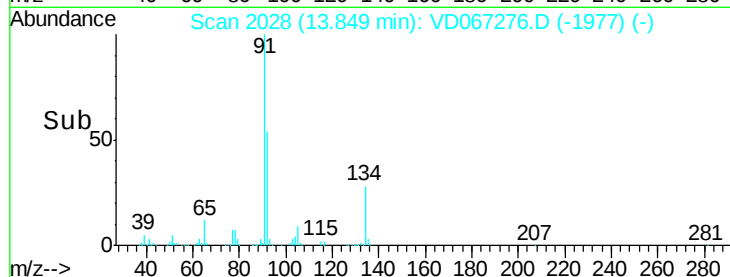
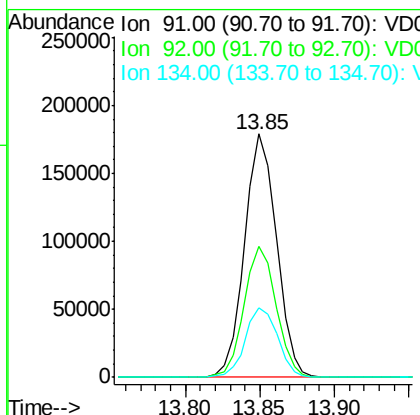
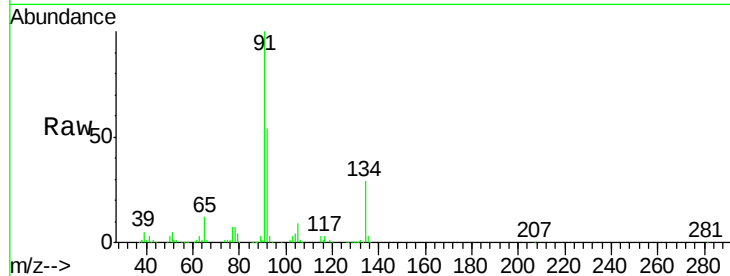




#89
n-Butylbenzene
Concen: 20.564 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067276.D
Acq: 15 Oct 2020 11:55

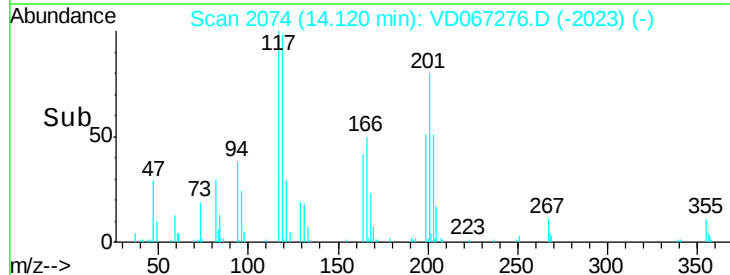
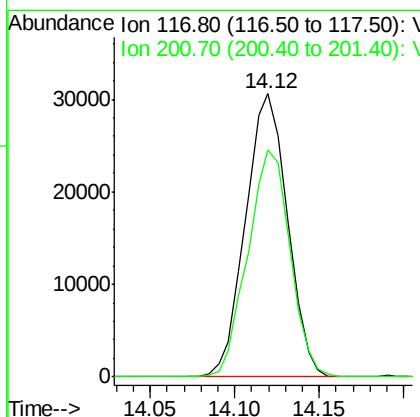
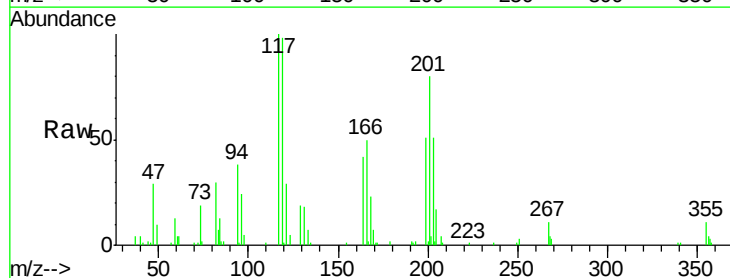
Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

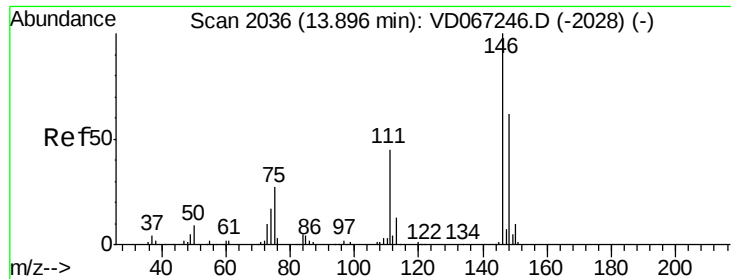
Tot Ion: 91 Resp: 265542
Ion Ratio Lower Upper
91 100
92 53.9 26.7 80.0
134 29.0 14.2 42.6



#90
Hexachloroethane
Concen: 20.550 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067276.D
Acq: 15 Oct 2020 11:55

Tgt Ion: 117 Resp: 52636
Ion Ratio Lower Upper
117 100
201 80.9 40.8 122.2

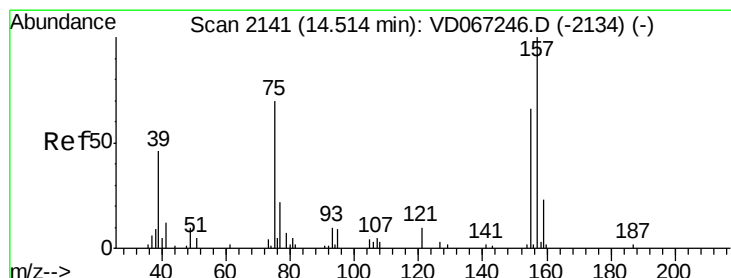
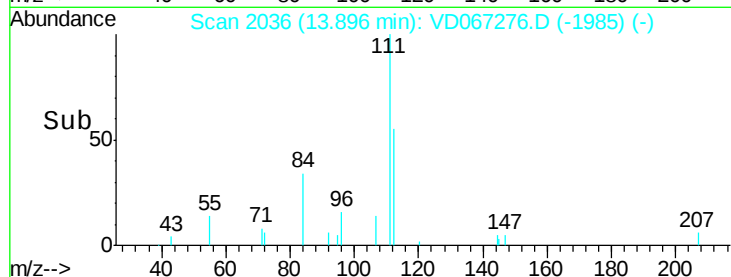
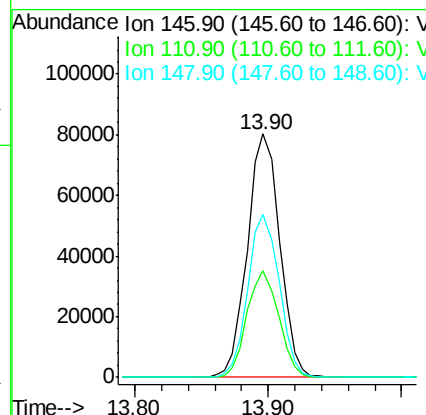
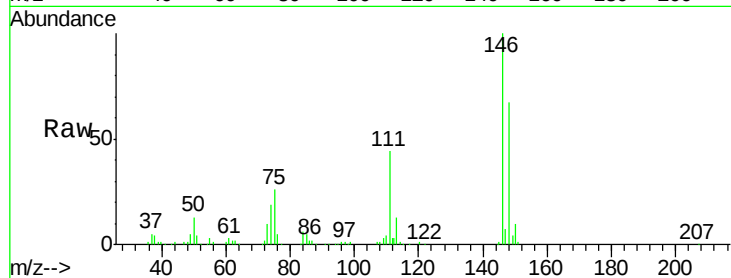




#91
 1,2-Dichlorobenzene
 Concen: 20.734 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067276.D
 Acq: 15 Oct 2020 11:55

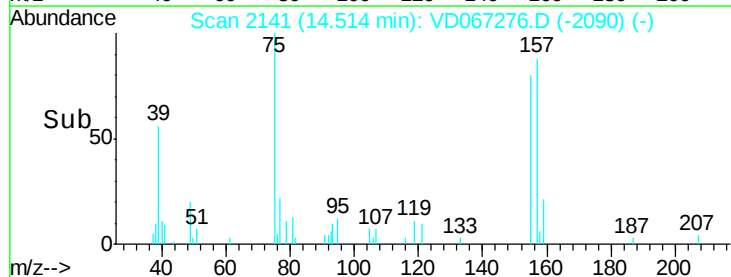
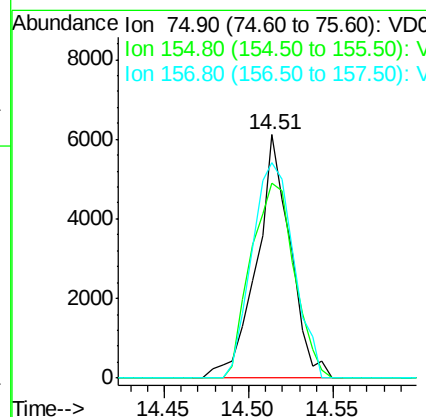
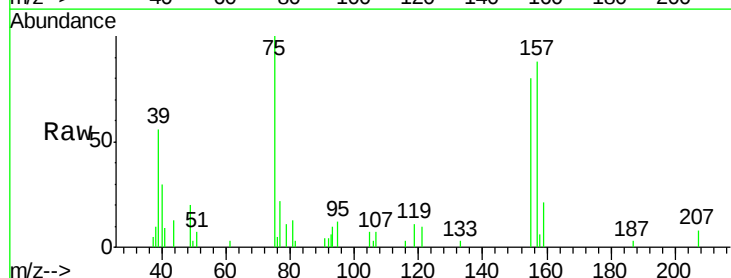
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

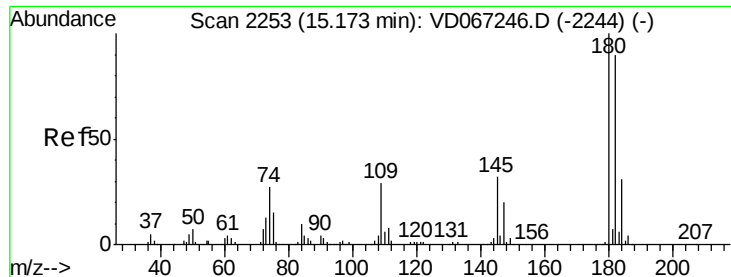
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	22.0	66.0
148	65.0	32.5	97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.761 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067276.D
 Acq: 15 Oct 2020 11:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.0	44.8	134.4
157	109.7	62.5	187.4

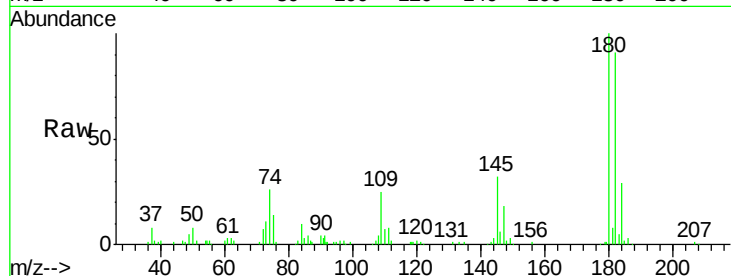




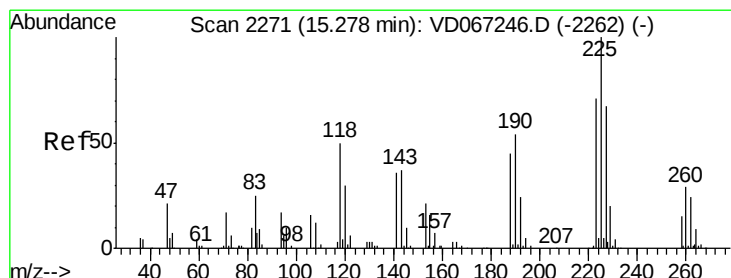
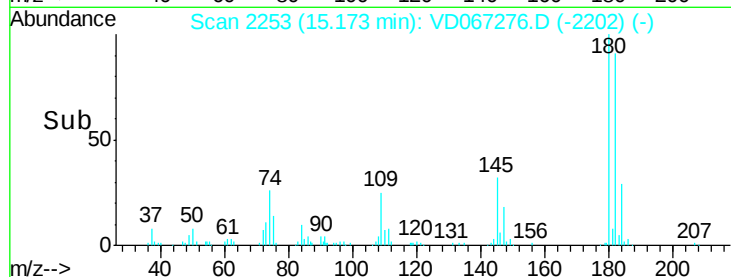
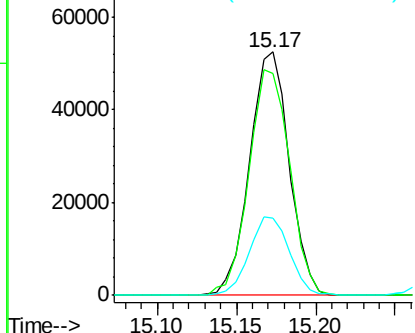
#93
 1,2,4-Trichlorobenzene
 Concen: 20.909 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067276.D
 Acq: 15 Oct 2020 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

Tot Ion:180 Resp: 91243
 Ion Ratio Lower Upper
 180 100
 182 95.7 48.1 144.4
 145 32.7 16.3 48.9

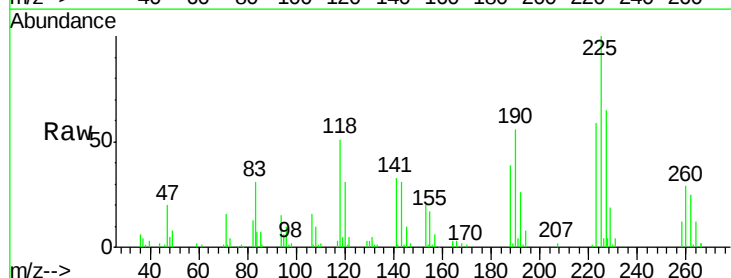


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

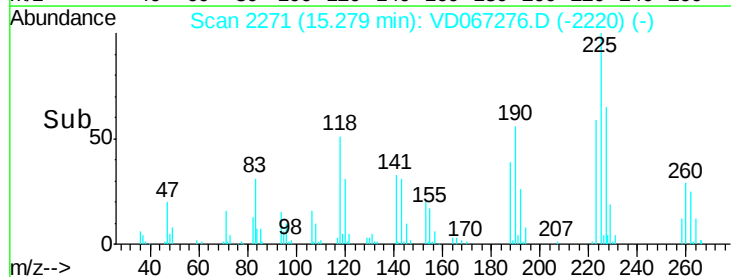
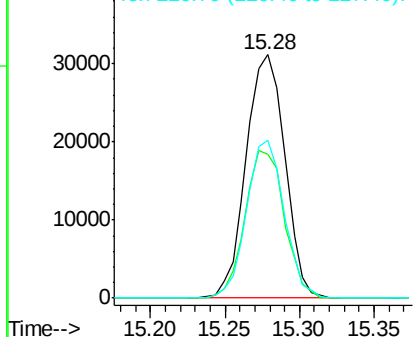


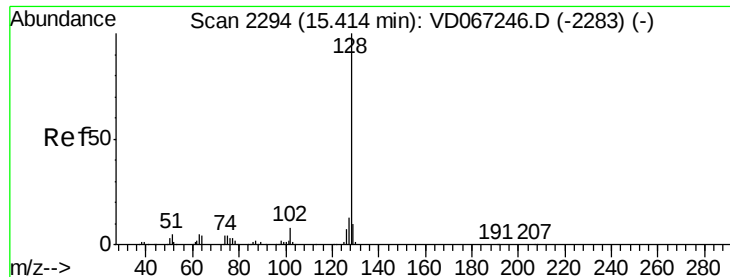
#94
 Hexachlorobutadiene
 Concen: 20.755 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD067276.D
 Acq: 15 Oct 2020 11:55

Tgt Ion:225 Resp: 56244
 Ion Ratio Lower Upper
 225 100
 223 61.1 31.9 95.7
 227 62.6 31.2 93.6



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

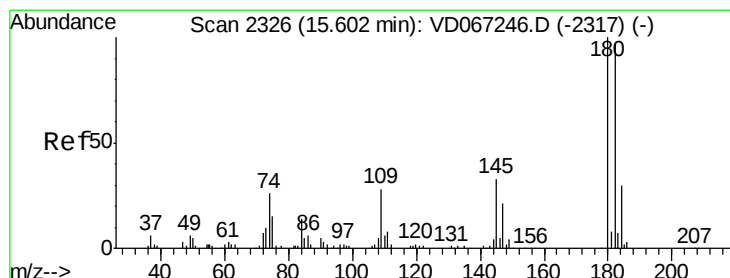
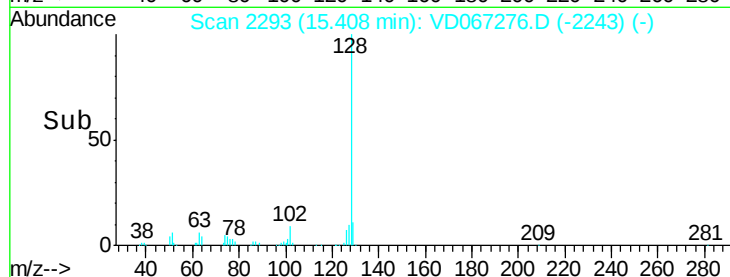
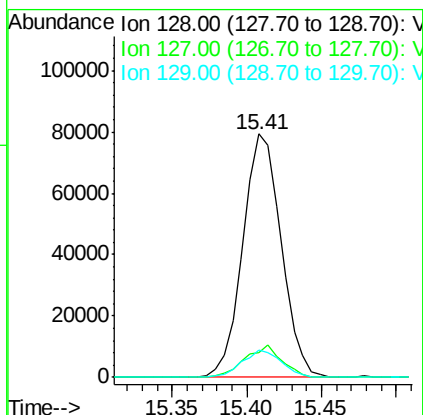
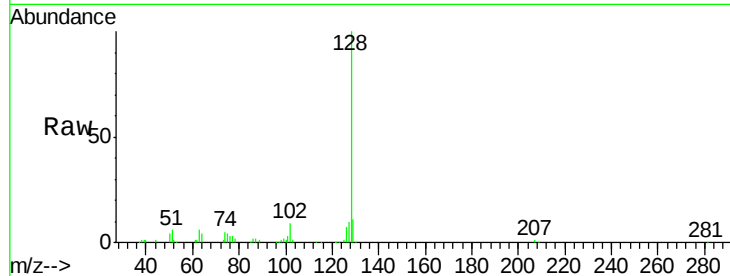




#95
Naphthalene
Concen: 19.713 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067276.D
Acq: 15 Oct 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion:128 Resp: 141236
Ion Ratio Lower Upper
128 100
127 12.7 10.4 15.6
129 11.4 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 20.736 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.01 min
Lab File: VD067276.D
Acq: 15 Oct 2020 11:55

Tgt Ion:180 Resp: 78173
Ion Ratio Lower Upper
180 100
182 96.2 48.1 144.3
145 35.1 17.3 51.9

