

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 01:00:55 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						
33) 1,2-Dichloroethane-d4	8.33	65	173105	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
35) Dibromofluoromethane	7.91	113	175656	52.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.74%	
50) Toluene-d8	10.34	98	641191	52.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.64%	
62) 4-Bromofluorobenzene	12.64	95	224679	53.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.46%	

Target Compounds						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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 Response via : Initial Calibration

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	66419	39.392	ug/l #	100
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

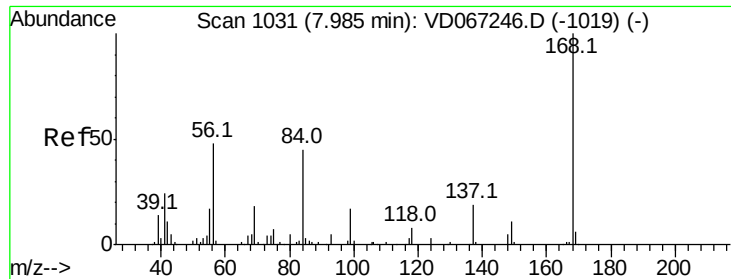
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101520\
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QLast Update : Wed Oct 14 03:30:30 2020
Response via : Initial Calibration

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 :

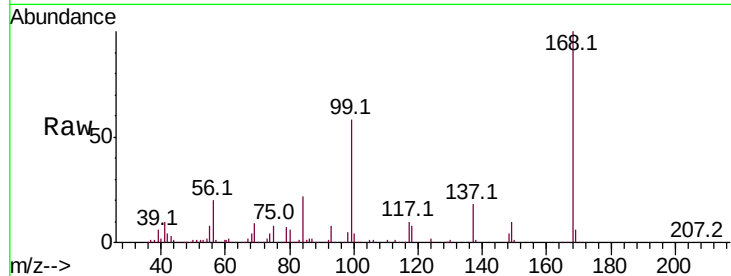
VD1015SBS01

Tot Ion:168 Resp: 341152

Ion Ratio Lower Upper

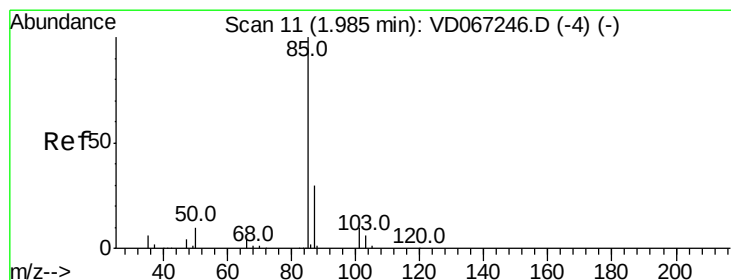
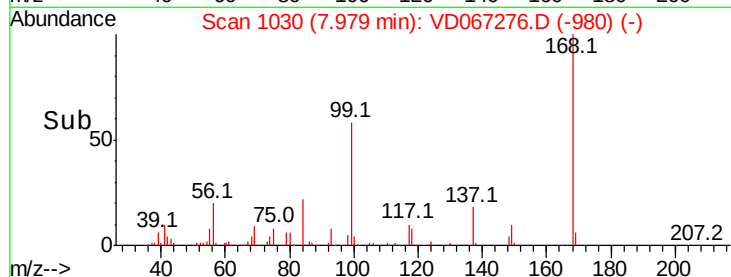
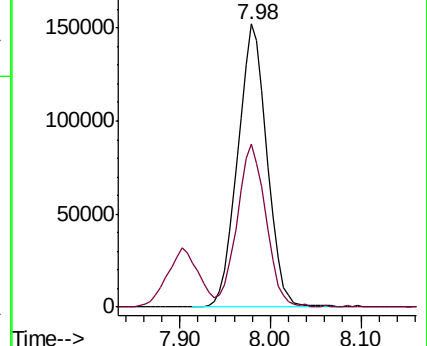
168 100

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

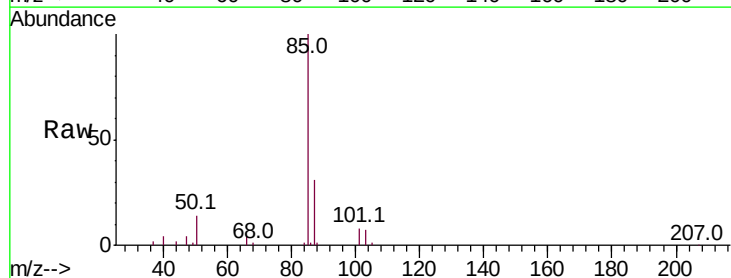
Acq: 15 Oct 2020 11:55

Tgt Ion: 85 Resp: 61577

Ion Ratio Lower Upper

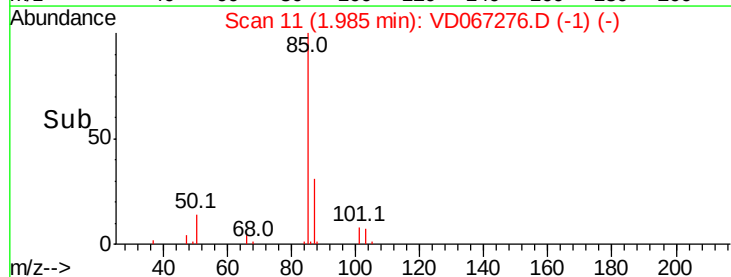
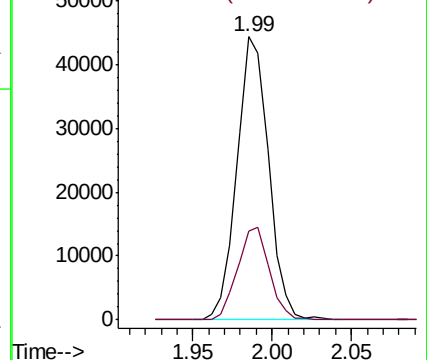
85 100

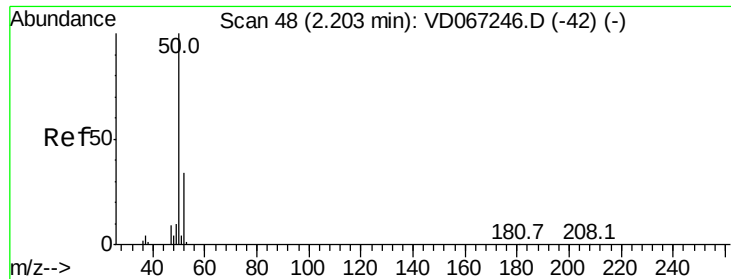
87 31.2 15.2 45.6



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 :

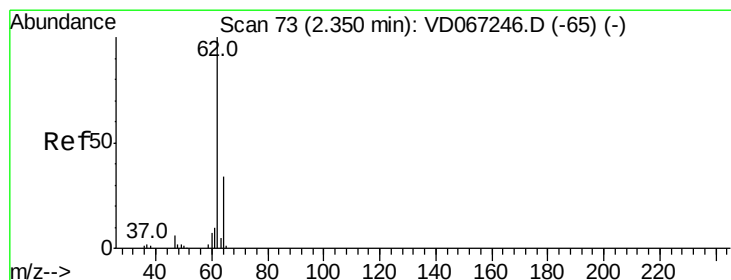
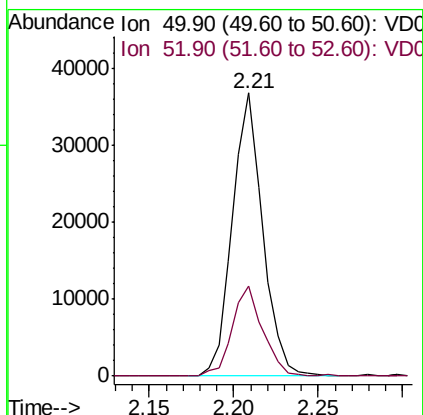
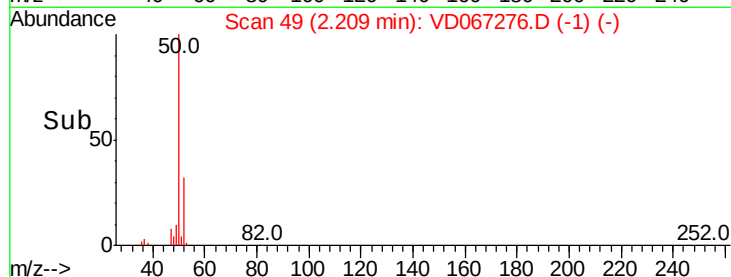
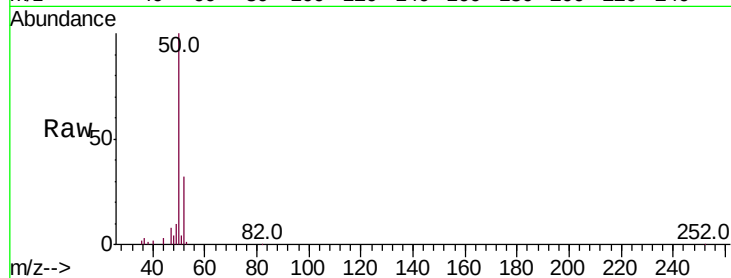
VD1015SBS01

Tot Ion: 50 Resp: 45856

Ion Ratio Lower Upper

50 100

52 31.9 27.1 40.7



#4

Vinyl Chloride

Concen: 20.847 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067276.D

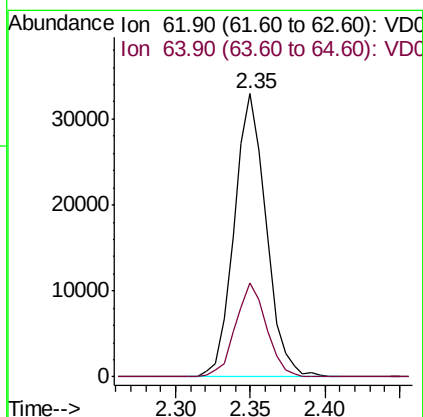
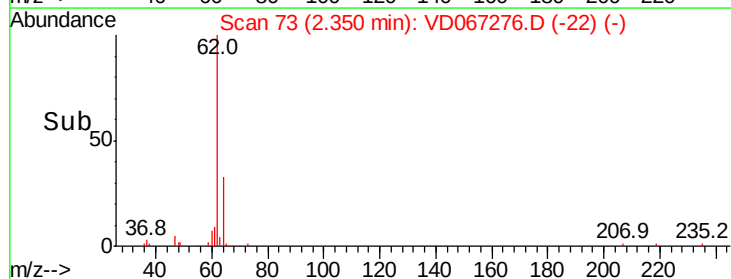
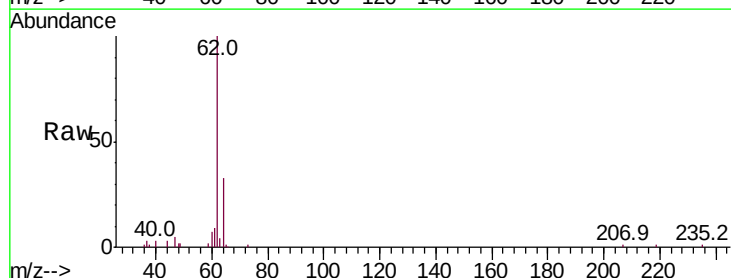
Acq: 15 Oct 2020 11:55

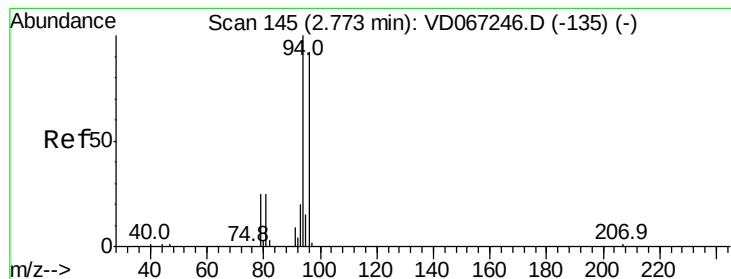
Tgt Ion: 62 Resp: 49111

Ion Ratio Lower Upper

62 100

64 33.3 27.4 41.0





#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 :

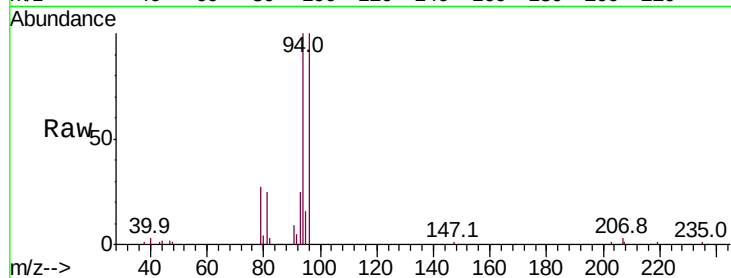
VD1015SBS01

Tot Ion: 94 Resp: 38069

Ion Ratio Lower Upper

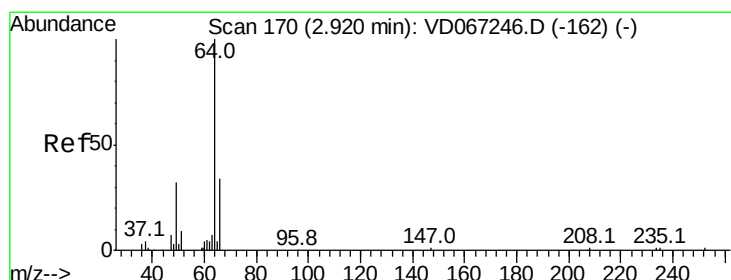
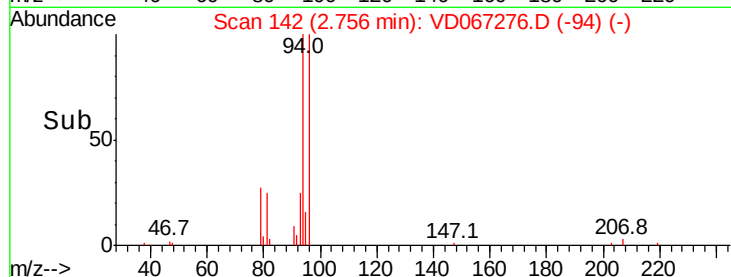
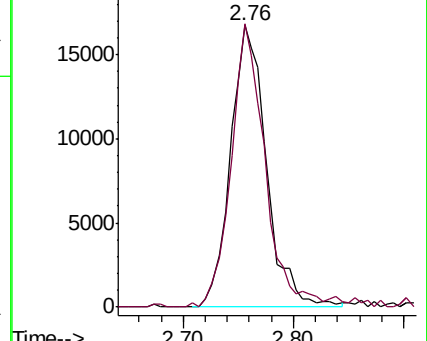
94 100

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

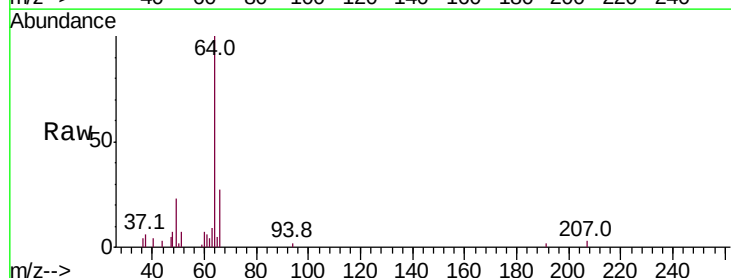
Acq: 15 Oct 2020 11:55

Tgt Ion: 64 Resp: 29604

Ion Ratio Lower Upper

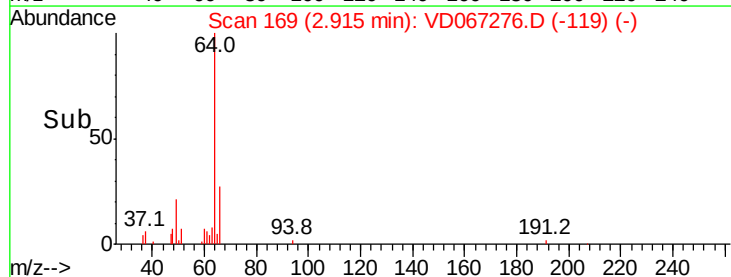
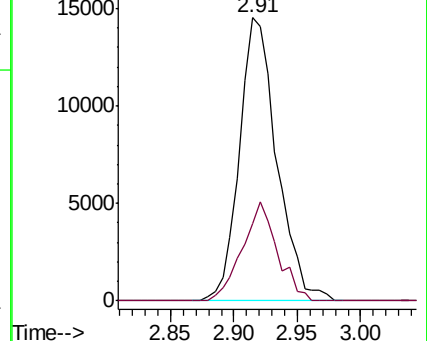
64 100

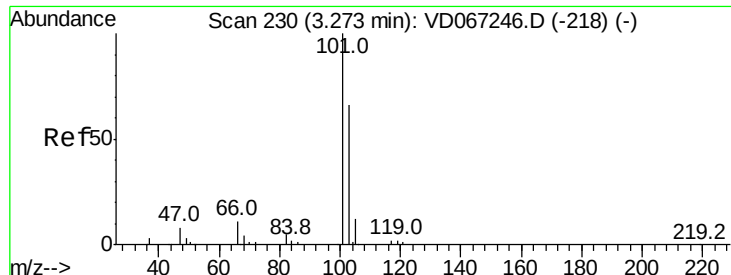
66 27.4 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



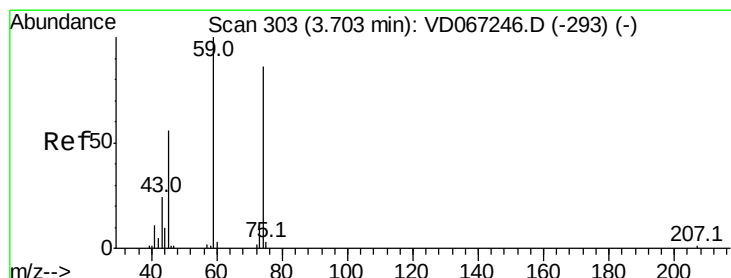
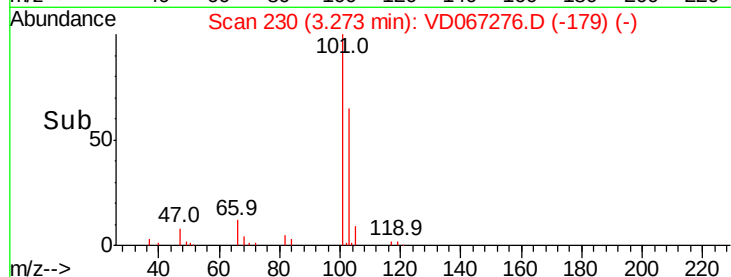
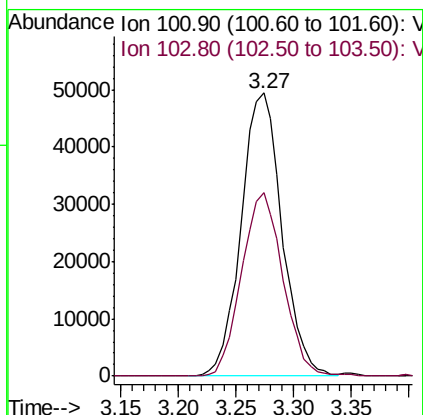
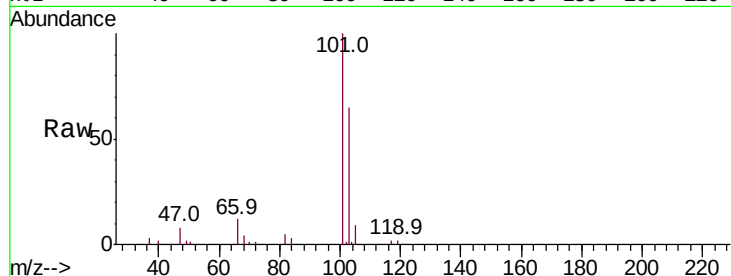


#7

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

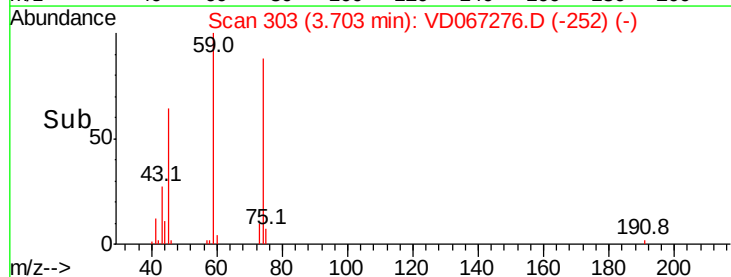
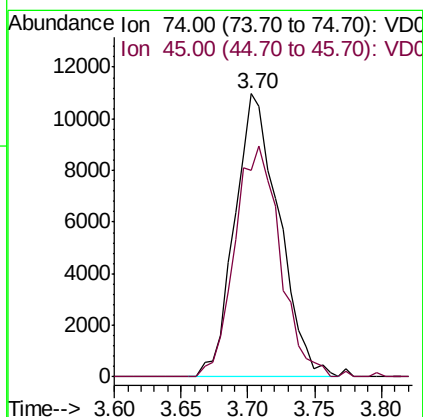
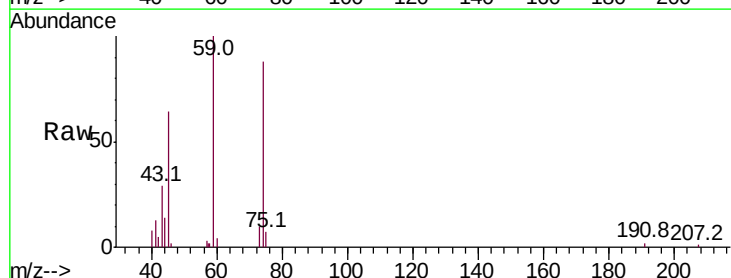
Tot Ion:101 Resp: 121704
 Ion Ratio Lower Upper
 101 100
 103 64.6 53.1 79.7

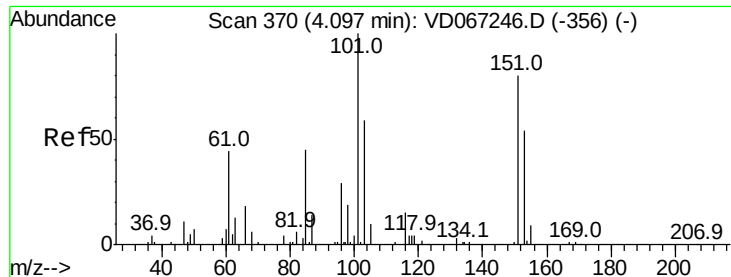


#8

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

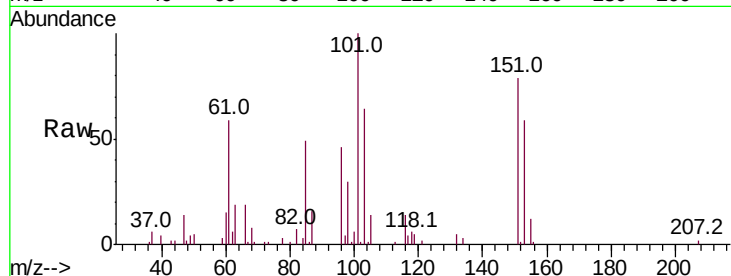
Tot Ion:101 Resp: 62450

Ion Ratio Lower Upper

101 100

85 43.0 34.2 51.4

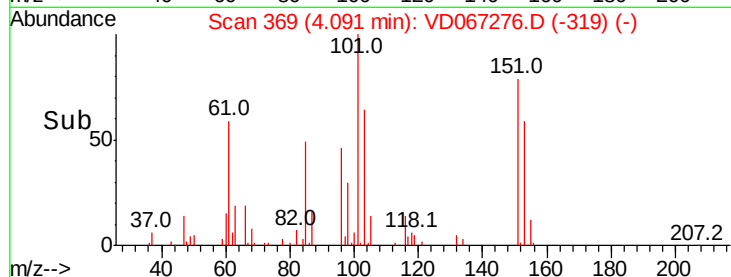
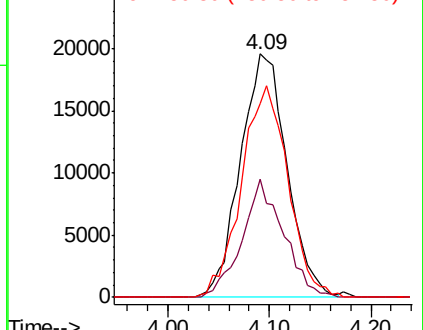
151 86.6 66.3 99.5



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

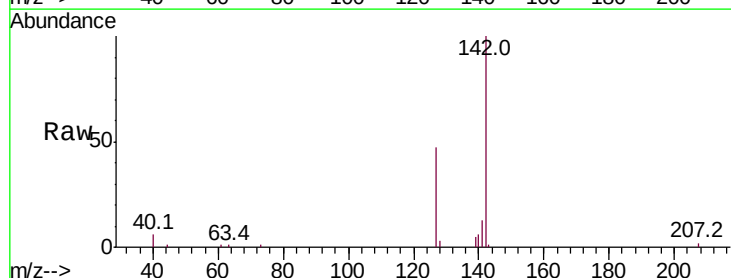
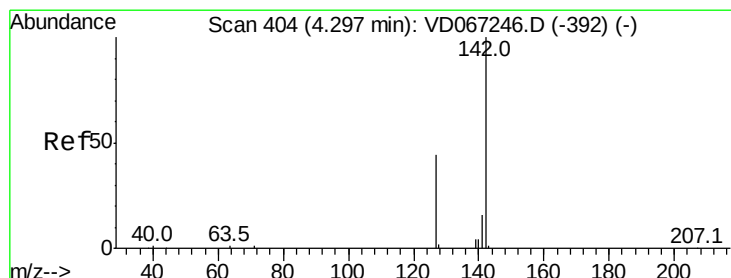
Tgt Ion:142 Resp: 56115

Ion Ratio Lower Upper

142 100

127 50.0 38.4 57.6

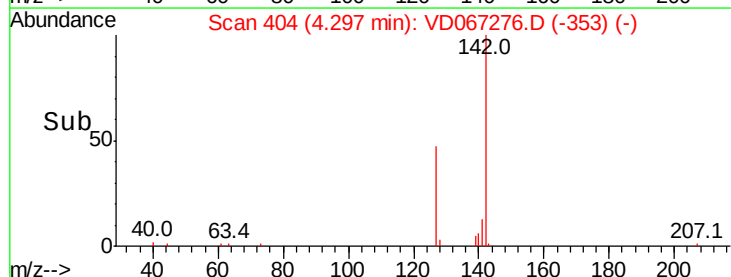
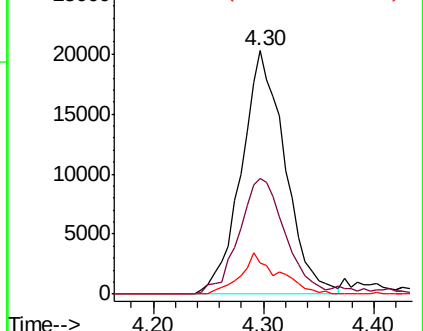
141 14.6 11.6 17.4

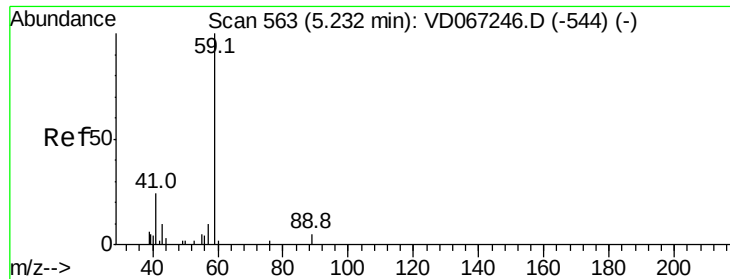


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



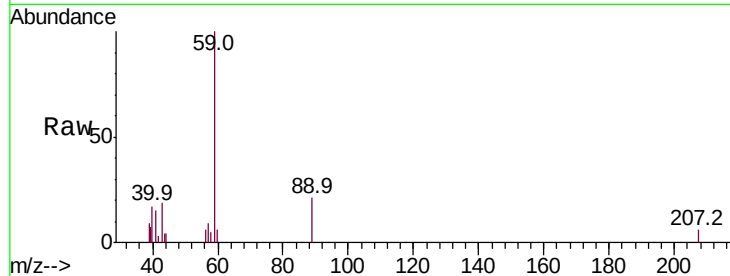


#11

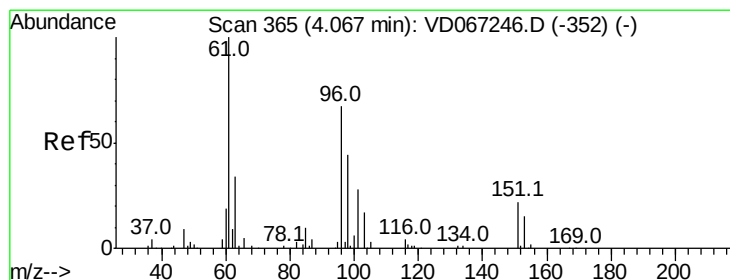
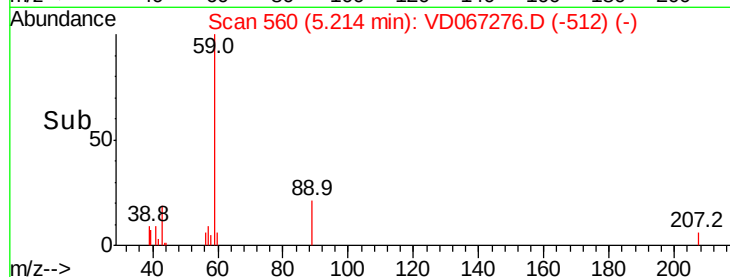
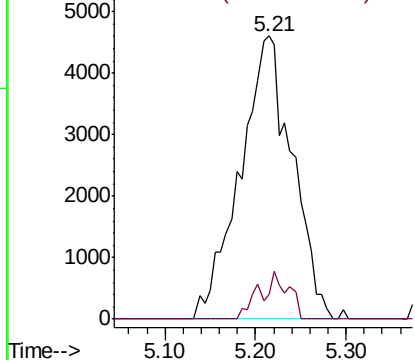
Tert butyl alcohol
 Concen: 70.685 ug/l
 RT: 5.21 min Scan# 560
 Delta R.T. -0.02 min
 Lab File: VD067276.D
 Acq: 15 Oct 2020 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

Tot Ion: 59 Resp: 18372
 Ion Ratio Lower Upper
 59 100
 57 6.0 5.1 7.7



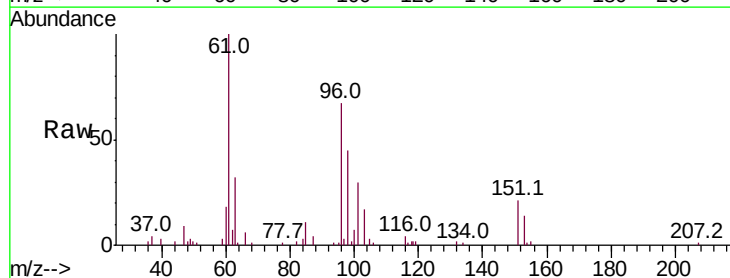
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



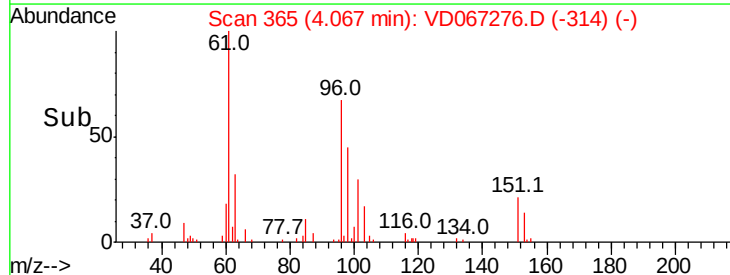
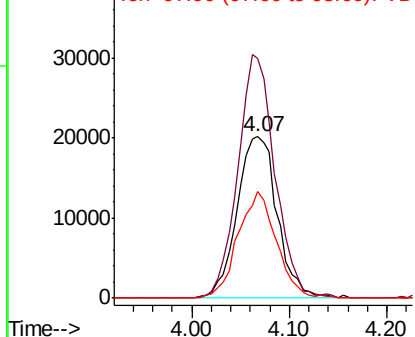
#12

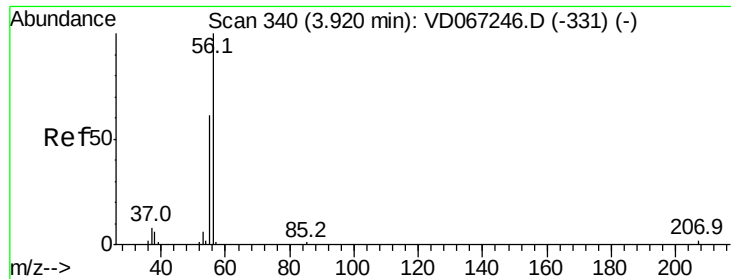
1,1-Dichloroethene
 Concen: 20.631 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD067276.D
 Acq: 15 Oct 2020 11:55

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





#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 :

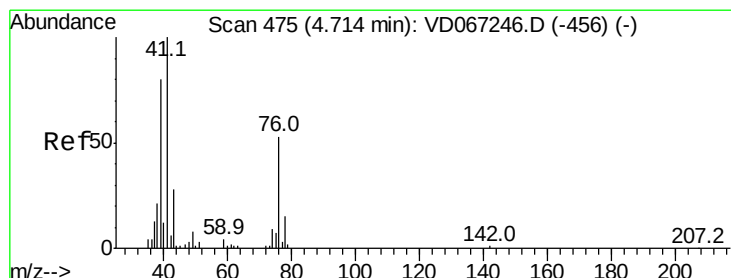
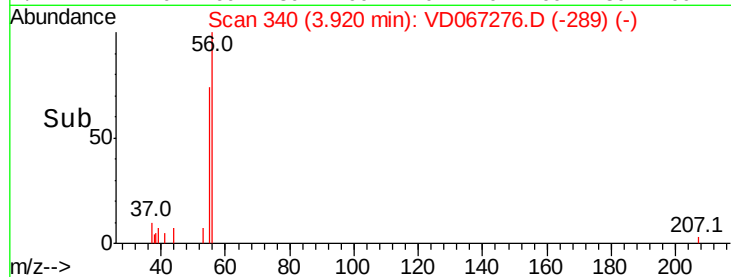
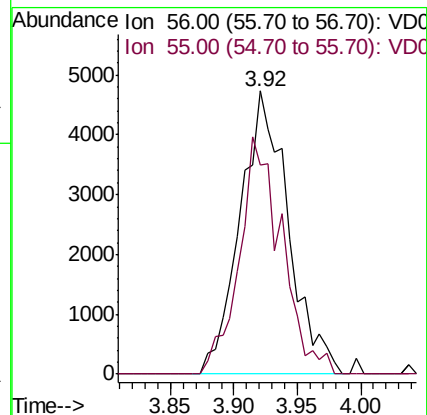
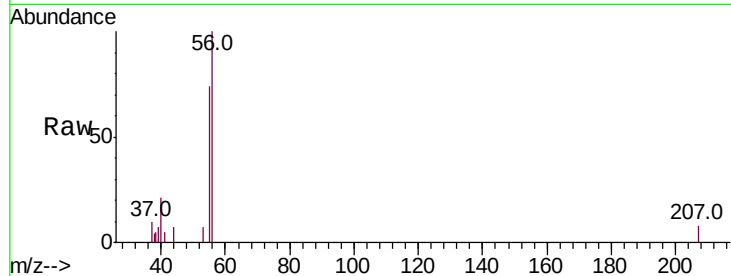
VD1015SBS01

Tot Ion: 56 Resp: 12480

Ion Ratio Lower Upper

56 100

55 73.8 56.0 84.0



#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

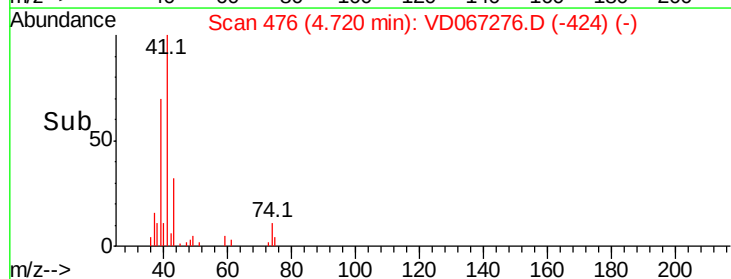
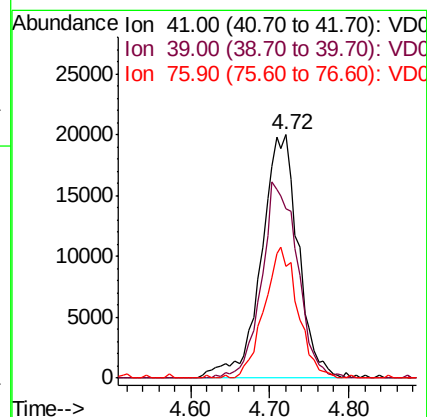
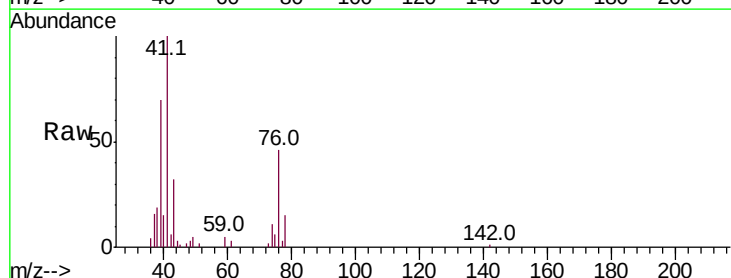
Tgt Ion: 41 Resp: 64729

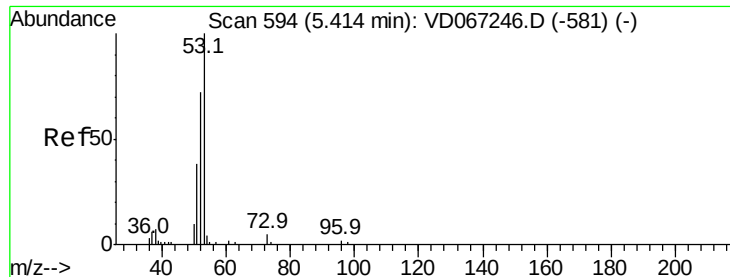
Ion Ratio Lower Upper

41 100

39 78.3 63.8 95.6

76 49.0 40.4 60.6





#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

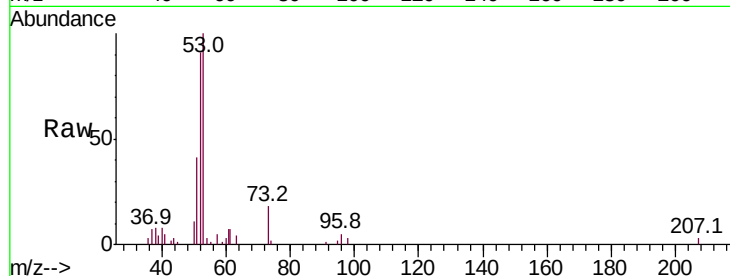
Tot Ion: 53 Resp: 46596

Ion Ratio Lower Upper

53 100

52 83.4 65.6 98.4

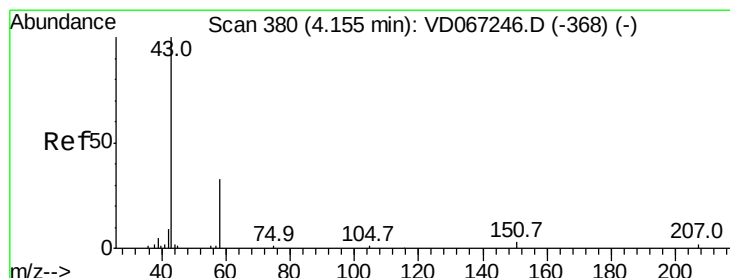
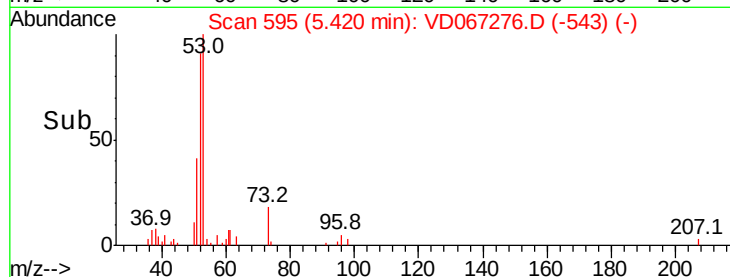
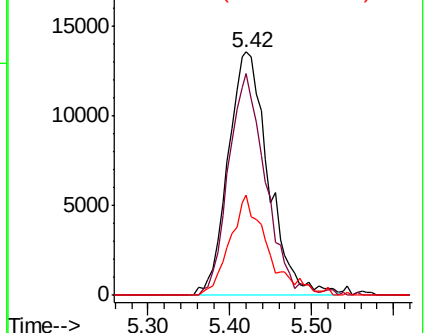
51 39.0 30.8 46.2



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

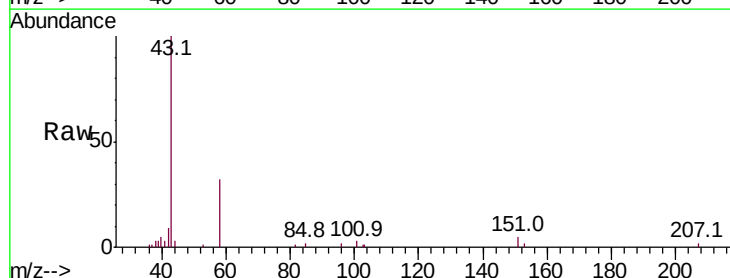
Acq: 15 Oct 2020 11:55

Tgt Ion: 43 Resp: 47426

Ion Ratio Lower Upper

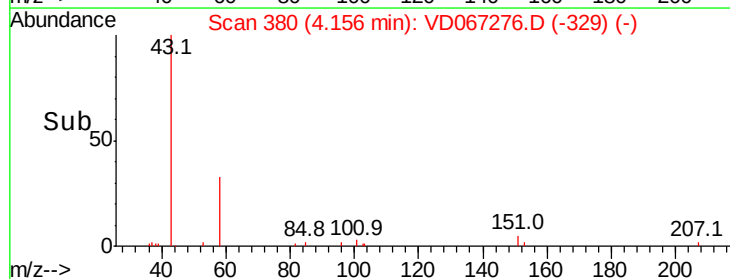
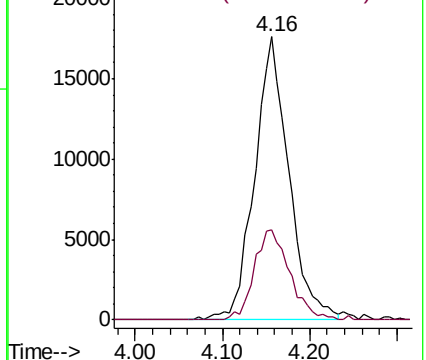
43 100

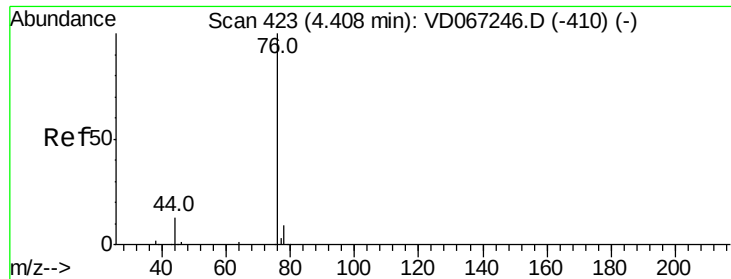
58 32.0 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

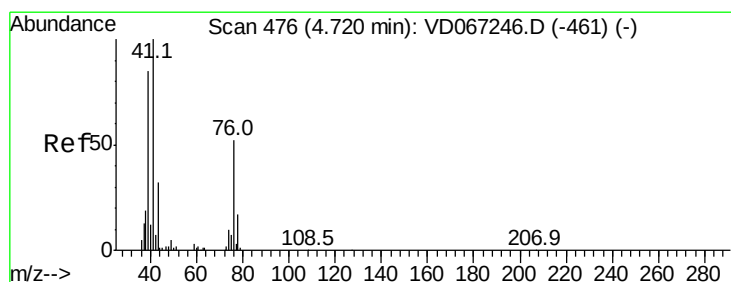
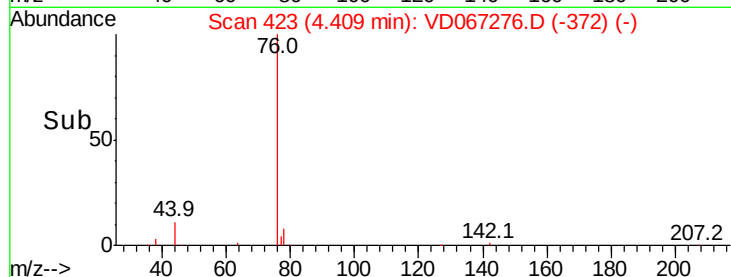
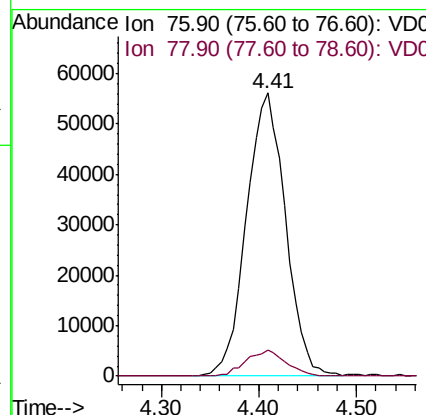
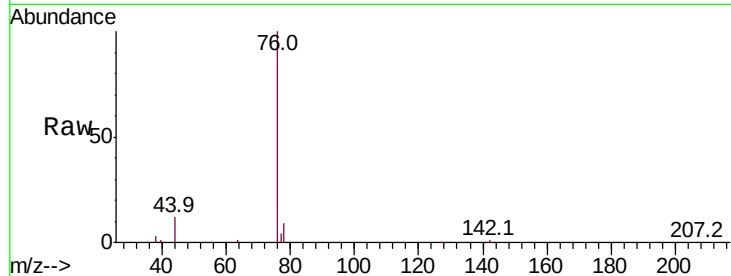




#17
Carbon Disulfide
Concen: 19.561 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067276.D
Acq: 15 Oct 2020 11:55

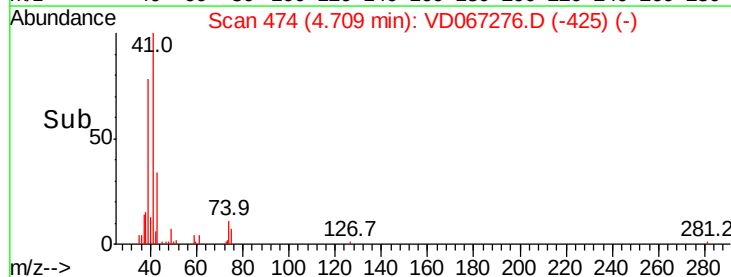
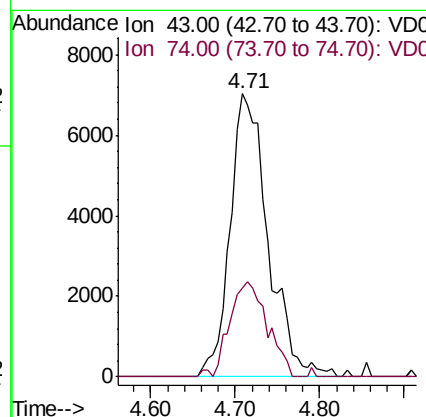
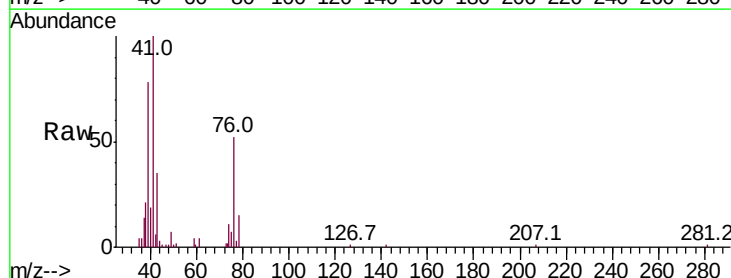
Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

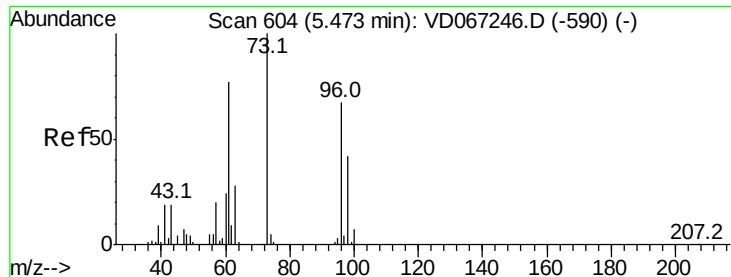
Tot Ion: 76 Resp: 157009
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0



#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

Methyl tert-butyl 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 :

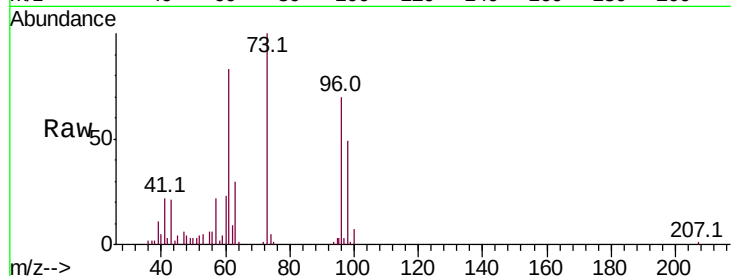
VD1015SBS01

Tot Ion: 73 Resp: 110983

Ion Ratio Lower Upper

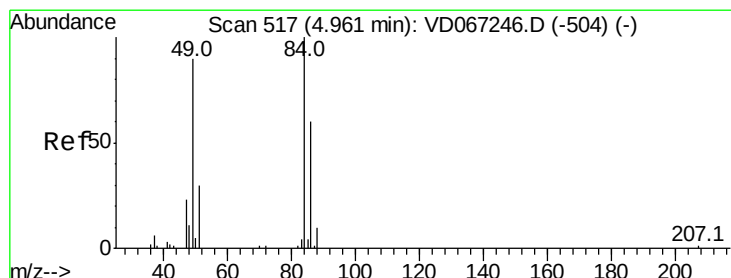
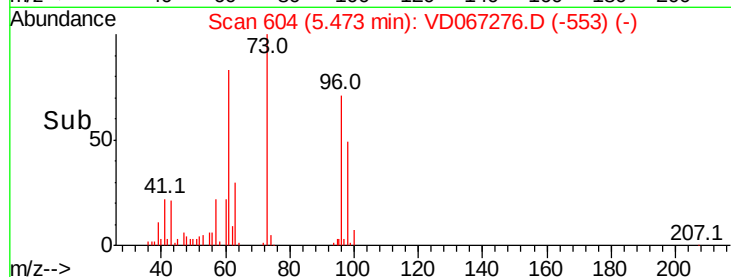
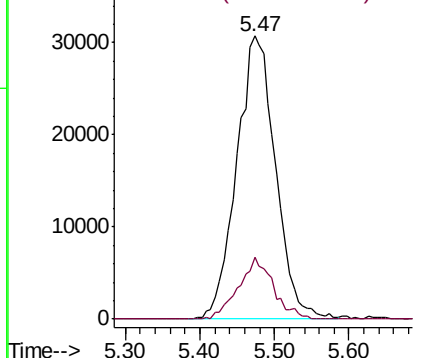
73 100

57 22.0 15.7 23.5



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#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

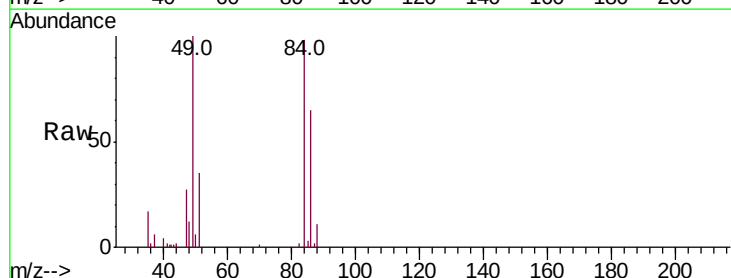
Ion Ratio Lower Upper

84 100

49 102.2 72.2 108.2

51 36.0 23.8 35.8#

86 66.1 48.2 72.4

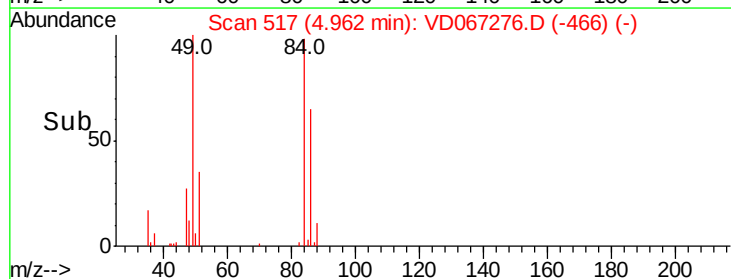
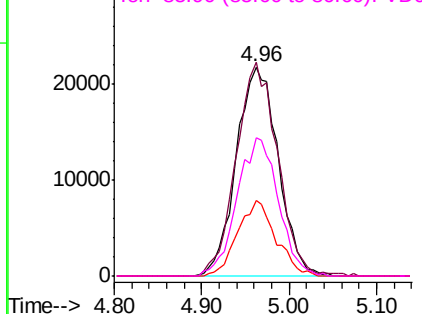


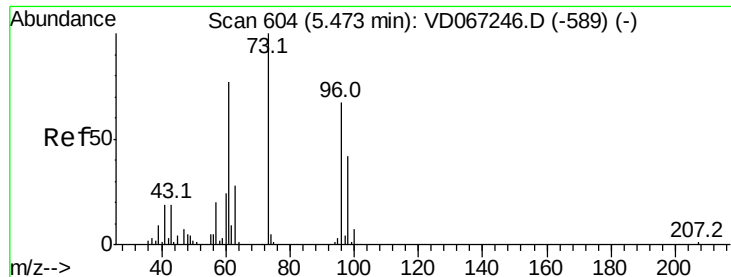
Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#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 :

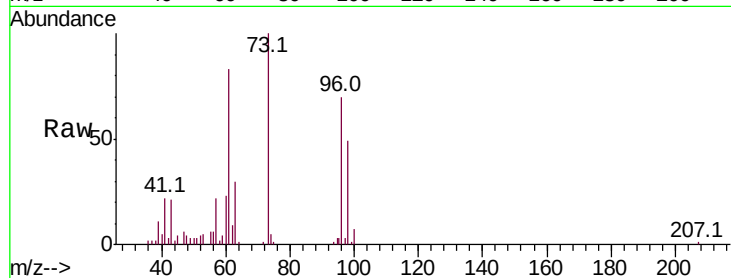
MSVOA_D

ClientSampleId :

VD1015SBS01

Tot Ion: 96 Resp: 65290

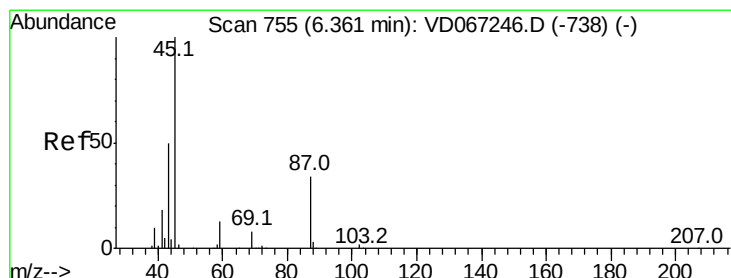
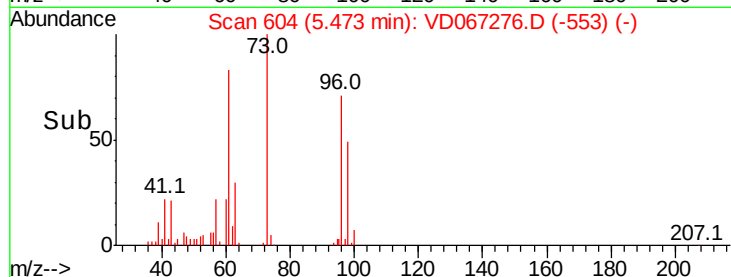
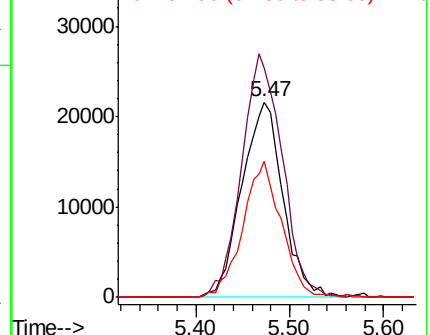
Ion	Ratio	Lower	Upper
96	100		
61	117.3	92.0	138.0
98	69.3	49.8	74.8



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

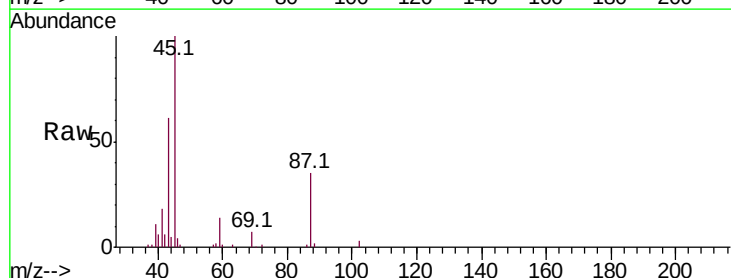
Delta R.T. 0.00 min

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

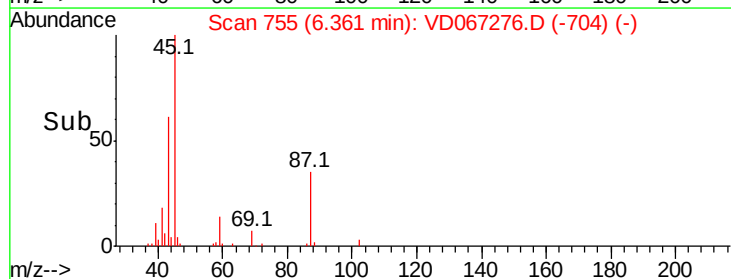
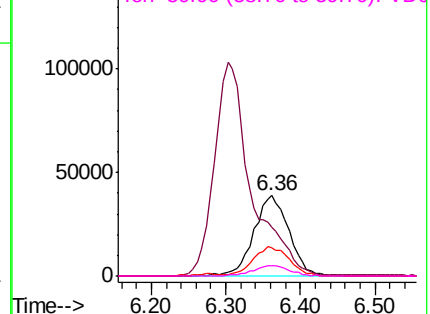


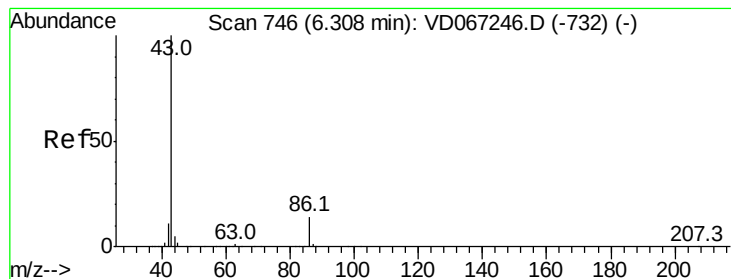
Abundance Ion 45.00 (44.70 to 45.70): VDC

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 :

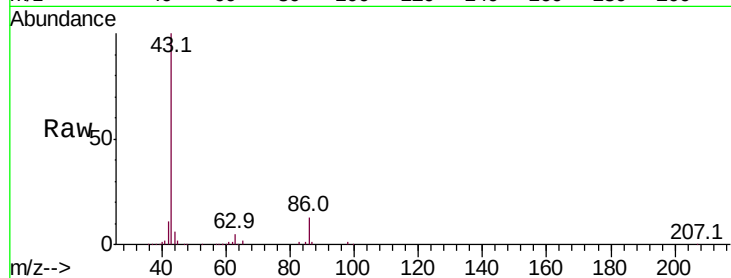
VD1015SBS01

Tot Ion: 43 Resp: 355022

Ion Ratio Lower Upper

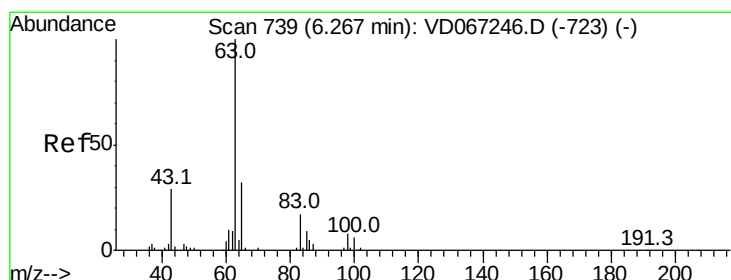
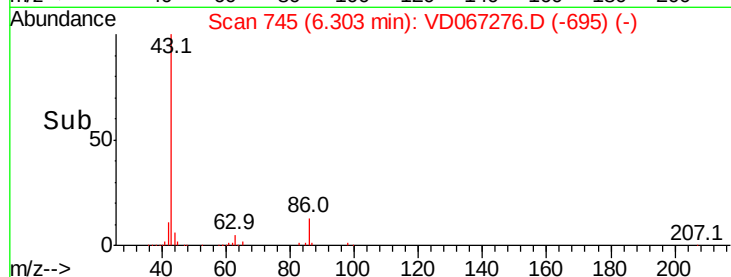
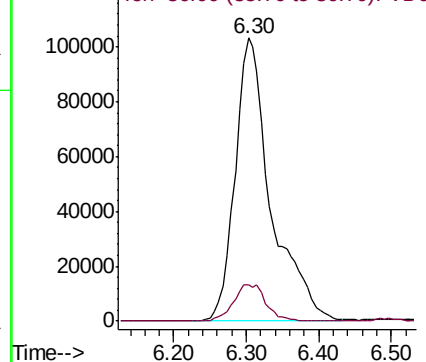
43 100

86 12.9 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#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

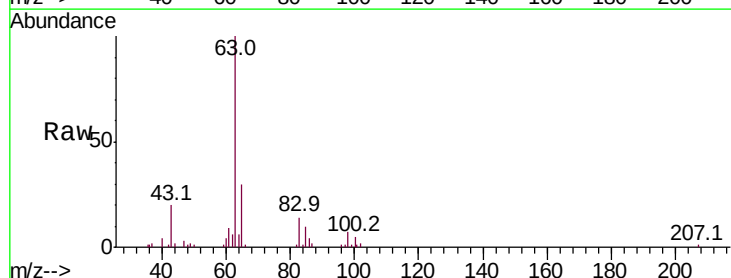
Tgt Ion: 63 Resp: 103324

Ion Ratio Lower Upper

63 100

98 7.3 4.0 12.2

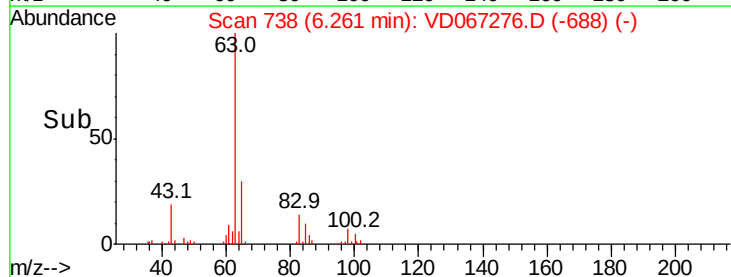
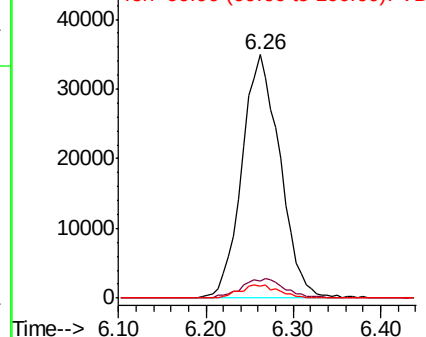
100 4.9 2.8 8.4

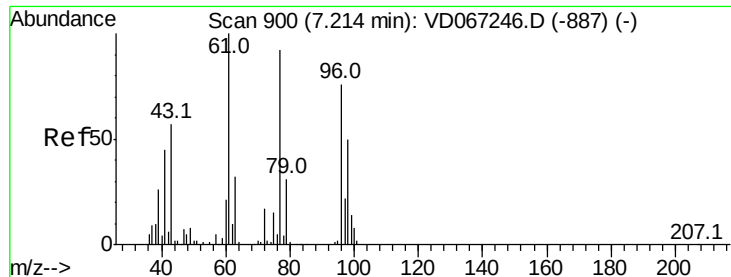


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 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 :

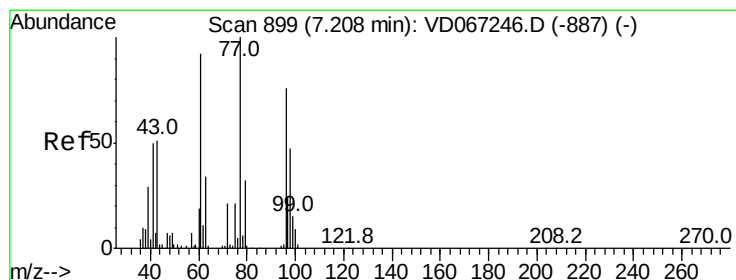
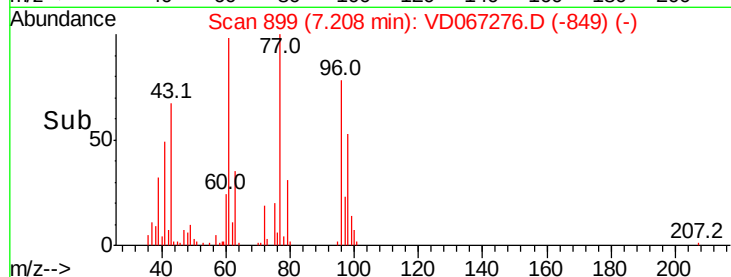
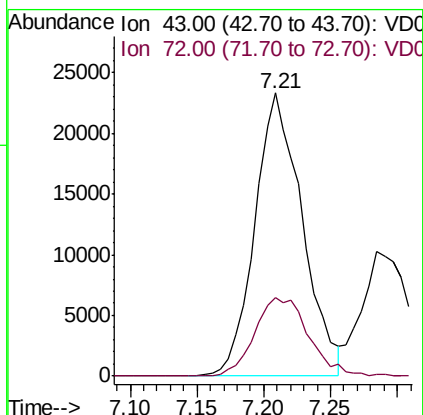
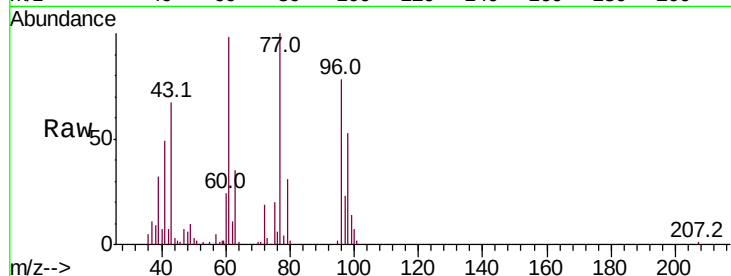
VD1015SBS01

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

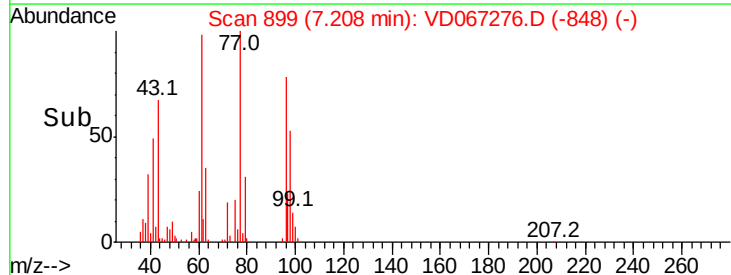
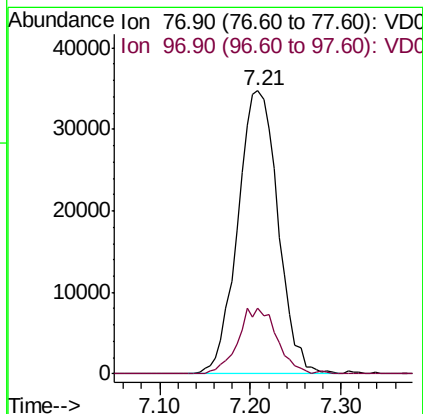
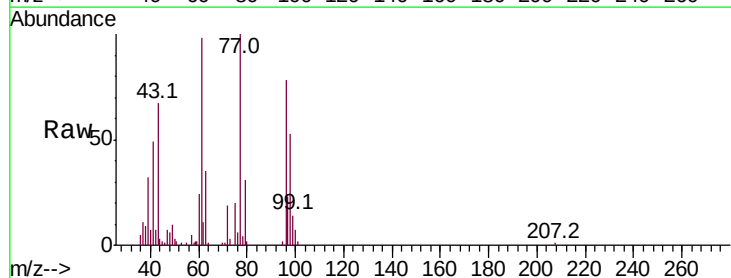
Acq: 15 Oct 2020 11:55

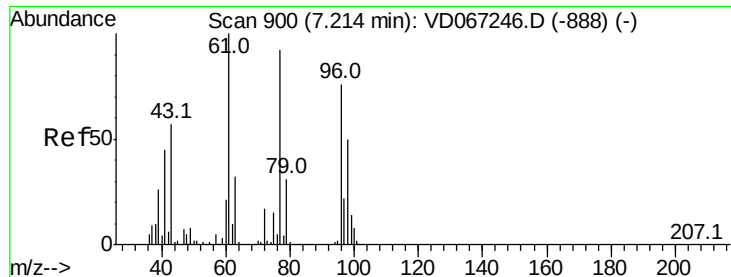
Tgt Ion: 77 Resp: 107350

Ion Ratio Lower Upper

77 100

97 22.3 11.4 34.2



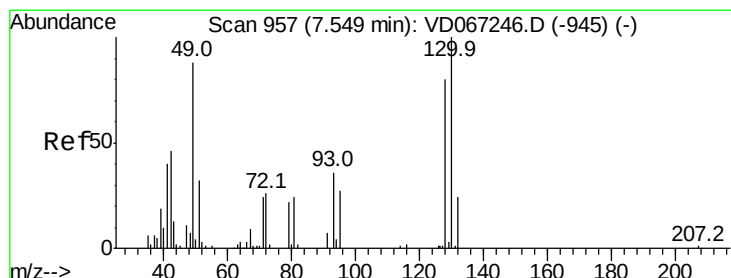
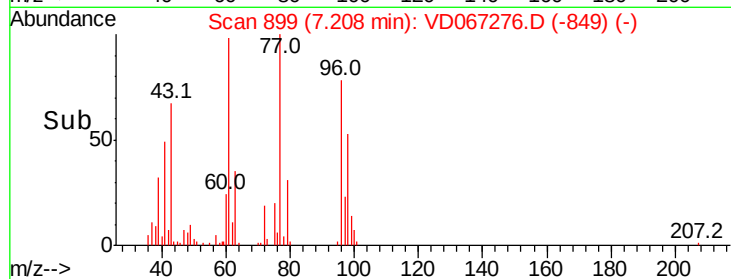
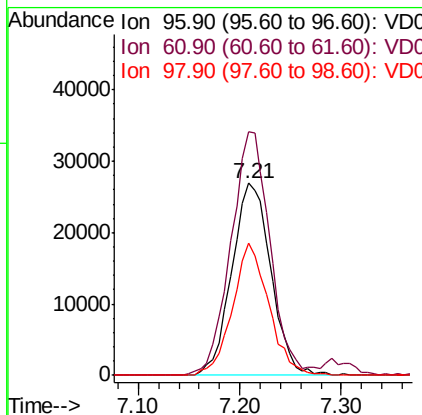
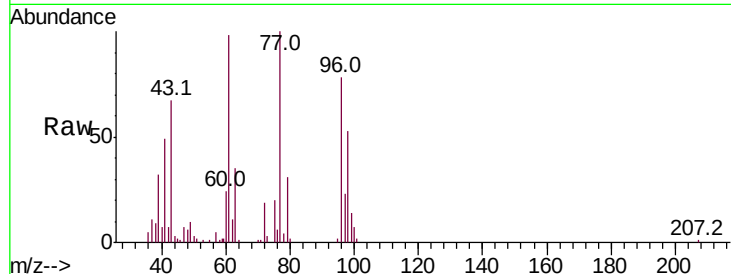


#27

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

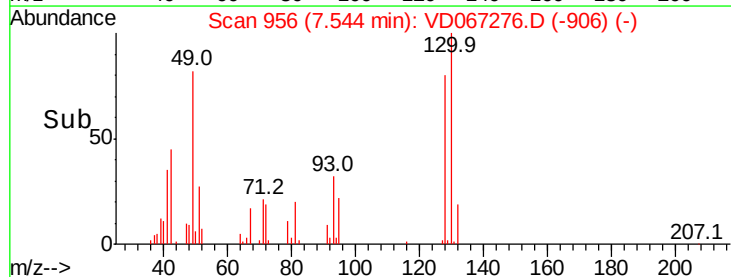
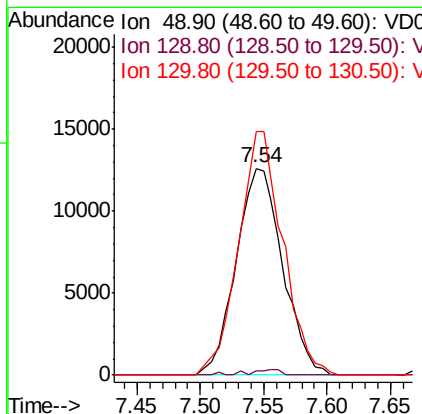
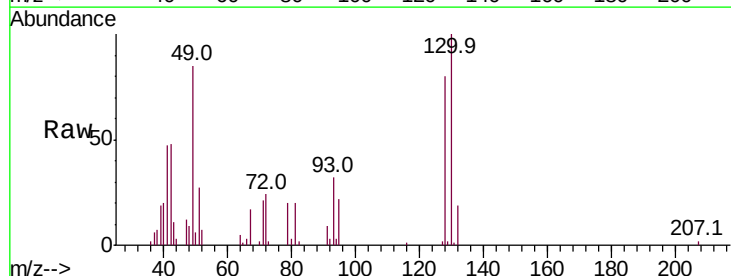
Tot Ion: 96 Resp: 72138
 Ion Ratio Lower Upper
 96 100
 61 127.0 0.0 255.4
 98 63.8 0.0 128.0

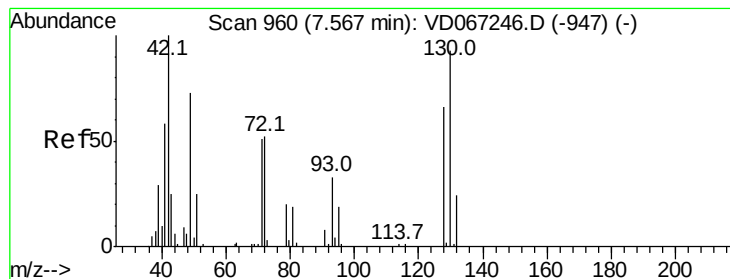


#28

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

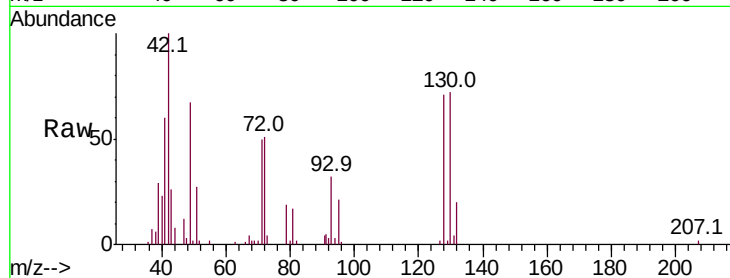
Tot Ion: 42 Resp: 31407

Ion Ratio Lower Upper

42 100

72 55.1 43.2 64.8

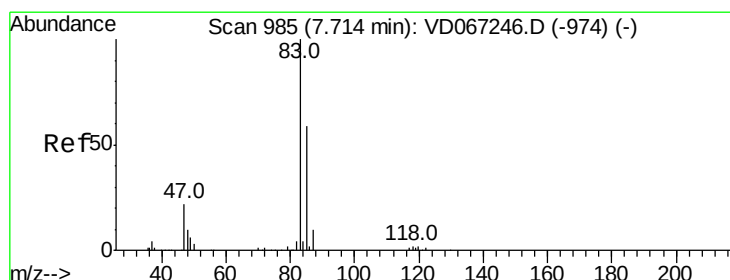
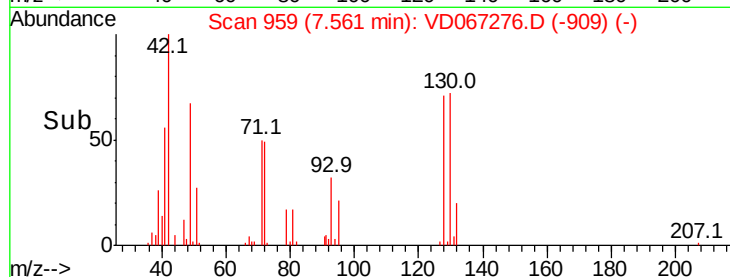
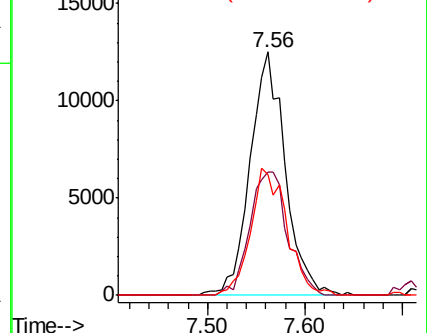
71 53.6 39.4 59.0



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

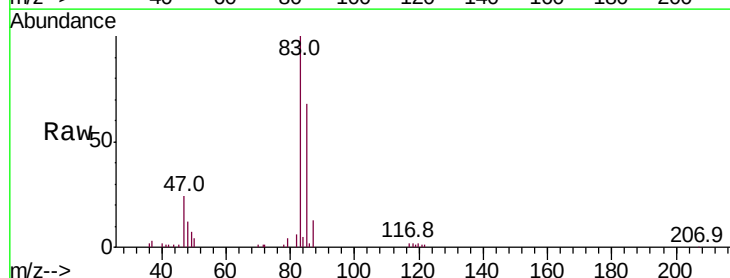
Acq: 15 Oct 2020 11:55

Tgt Ion: 83 Resp: 122634

Ion Ratio Lower Upper

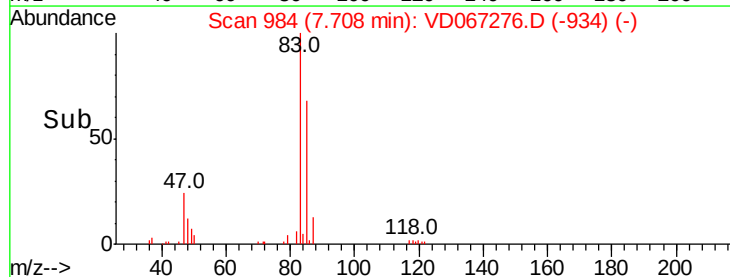
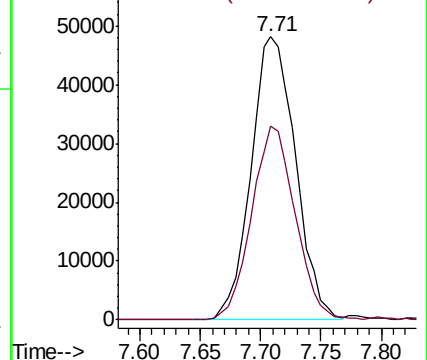
83 100

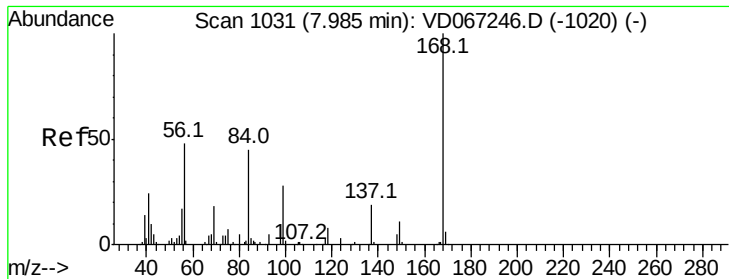
85 68.3 47.3 70.9



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

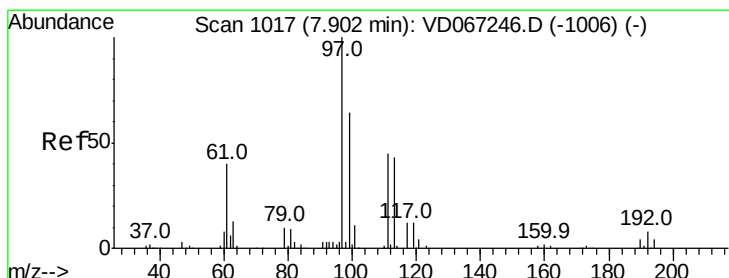
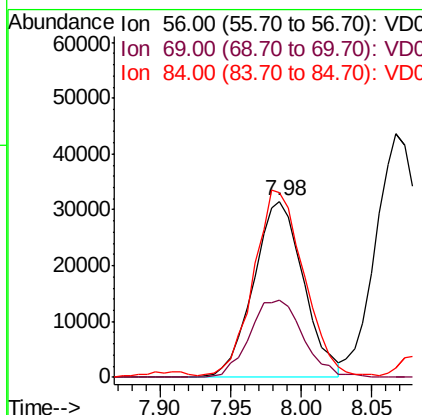
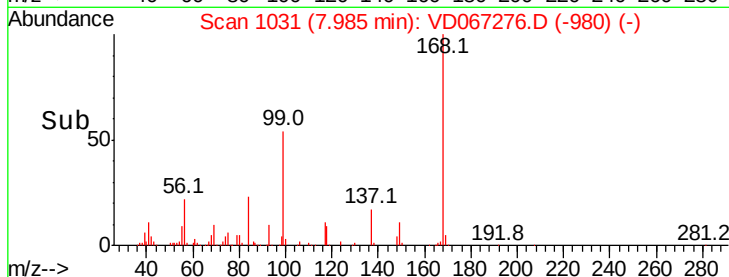
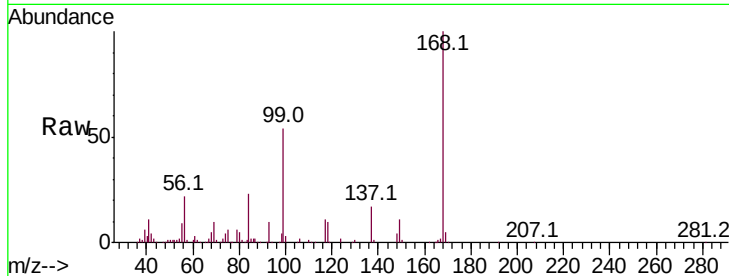




#31
Cyclohexane
Concen: 19.938 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067276.D
Acq: 15 Oct 2020 11:55

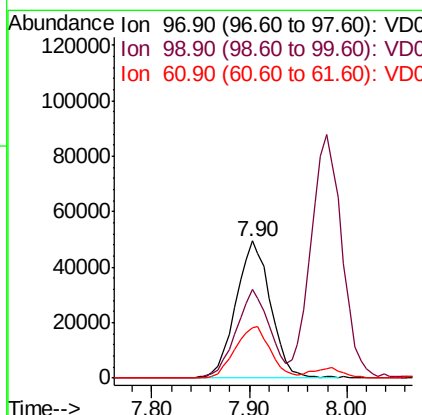
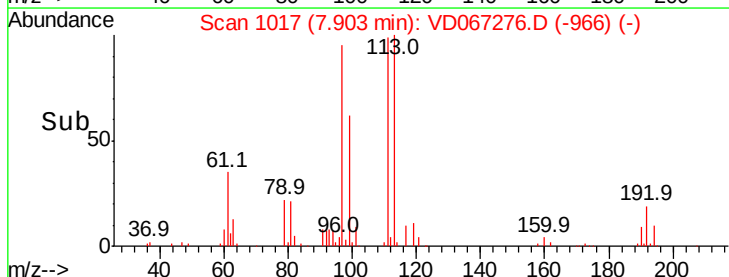
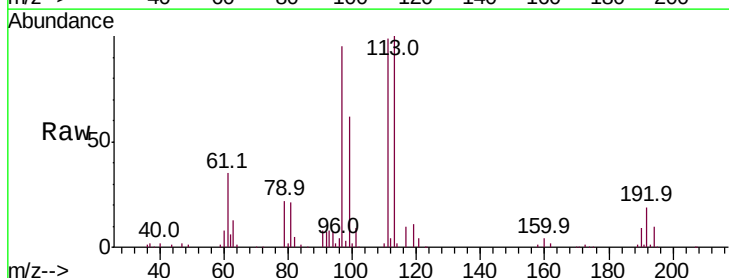
Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

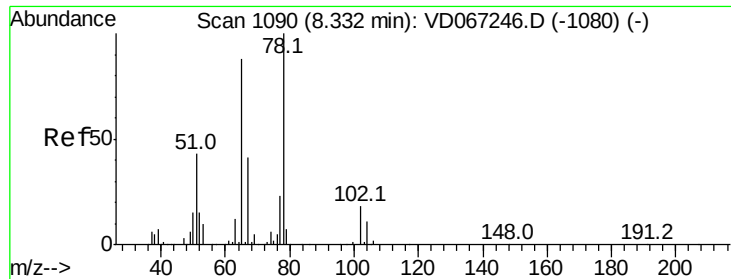
Tot Ion: 56 Resp: 78490
Ion Ratio Lower Upper
56 100
69 43.6 29.8 44.6
84 103.6 76.6 114.8



#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

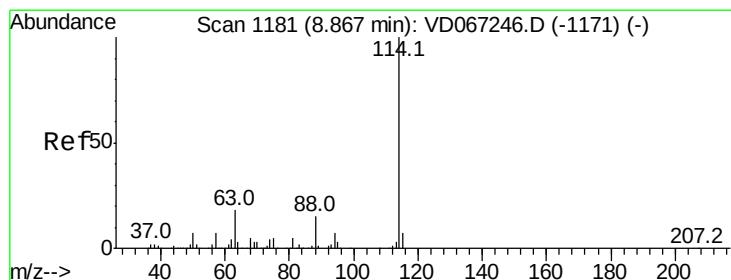
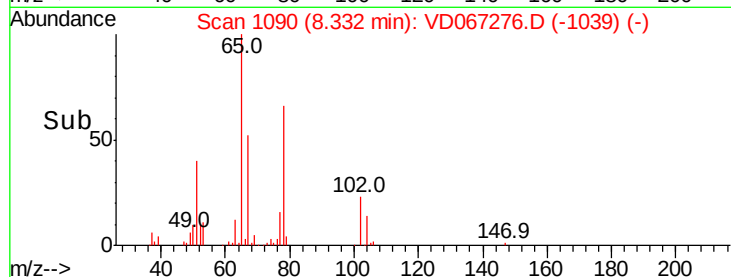
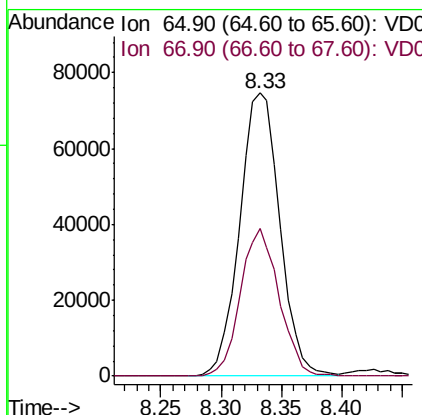
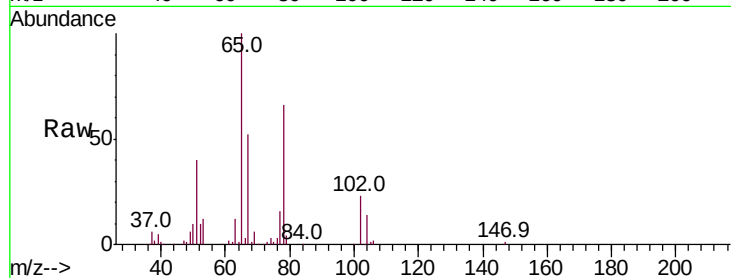




#33
 1,2-Dichloroethane-d4
 Concen: 50.648 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067276.D
 Acq: 15 Oct 2020 11:55

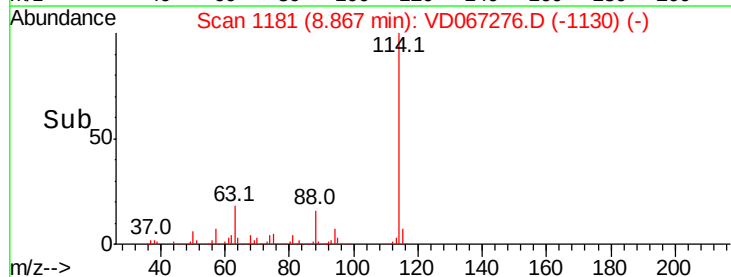
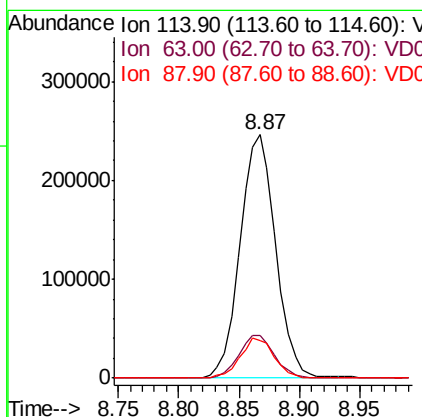
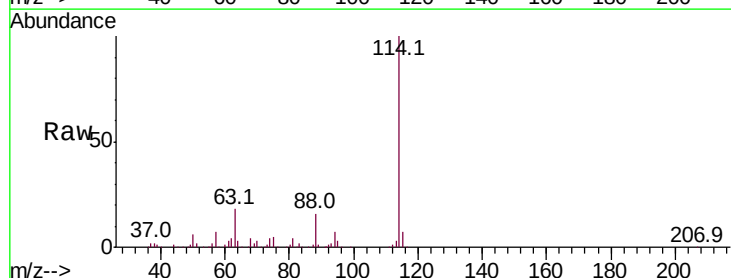
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

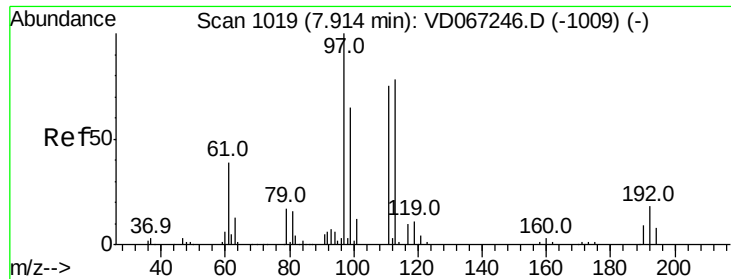
Tot Ion: 65 Resp: 173105
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 103.8



#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

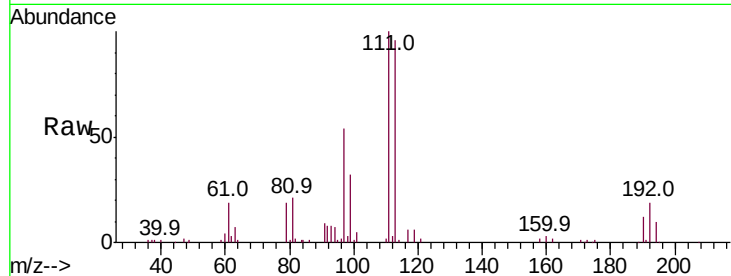




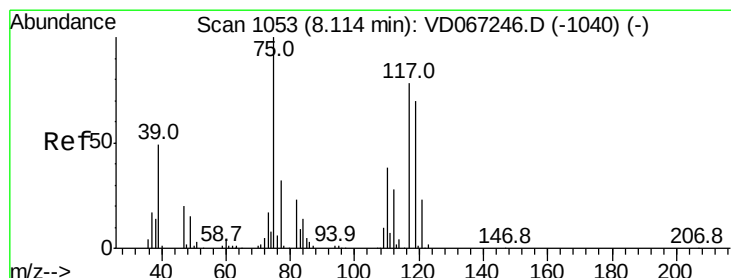
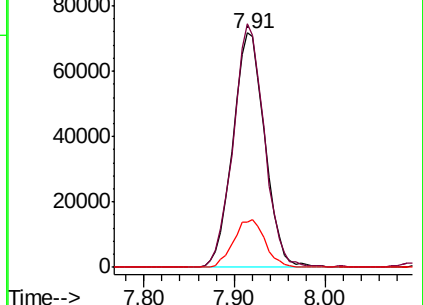
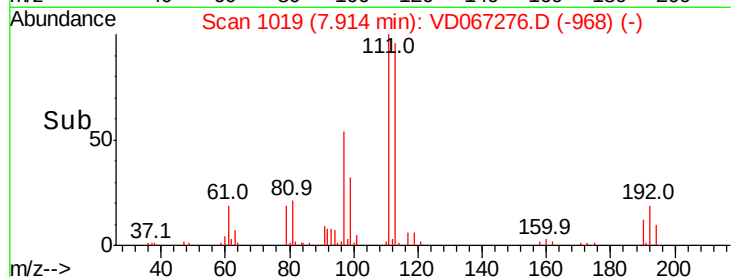
#35
 Dibromofluoromethane
 Concen: 52.367 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067276.D
 Acq: 15 Oct 2020 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

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

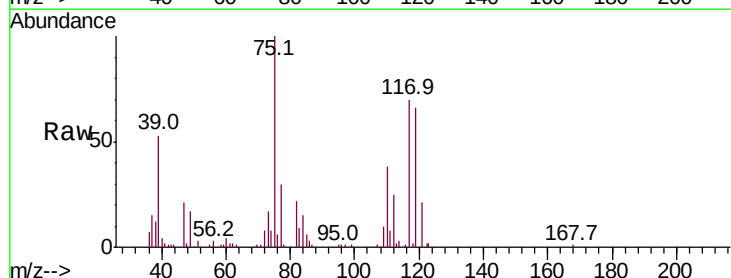


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

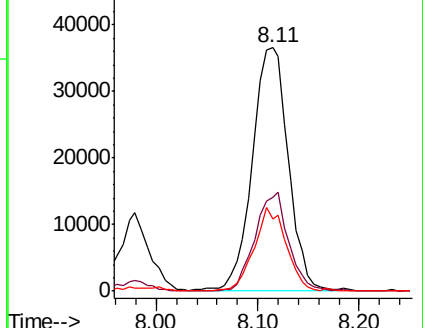
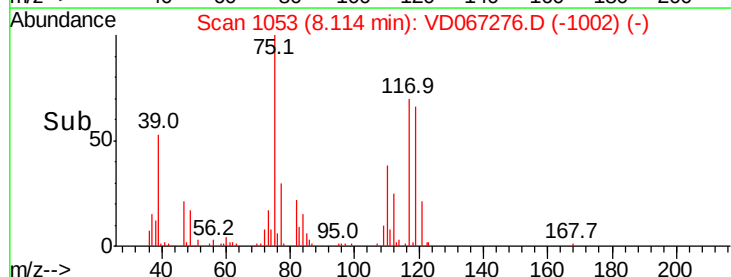


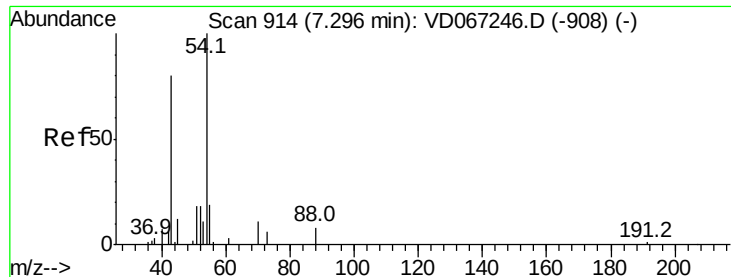
#36
 1,1-Dichloropropene
 Concen: 21.229 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067276.D
 Acq: 15 Oct 2020 11:55

Tgt Ion	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): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

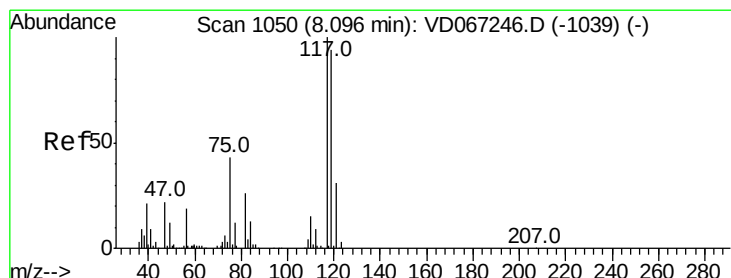
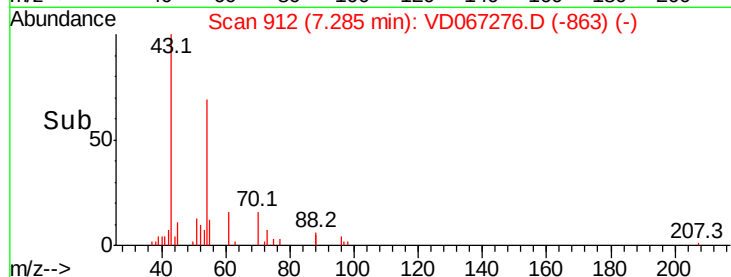
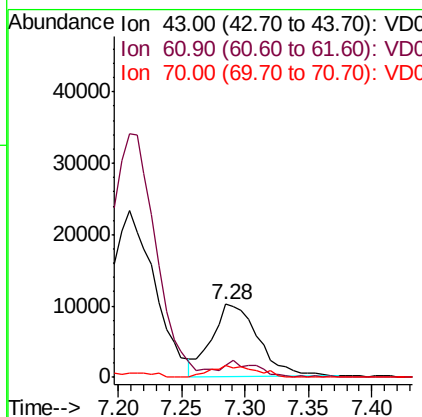
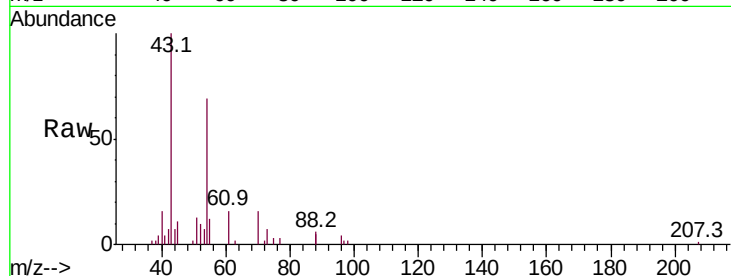




#37
Ethyl Acetate
Concen: 20.846 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD067276.D
Acq: 15 Oct 2020 11:55

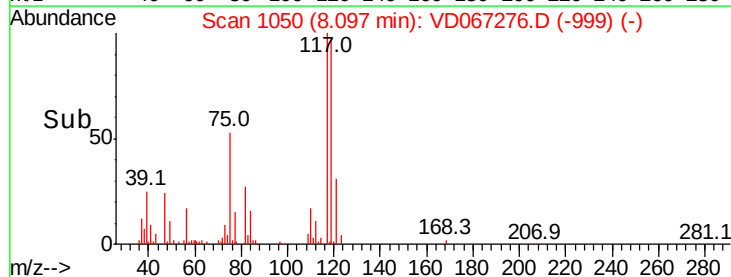
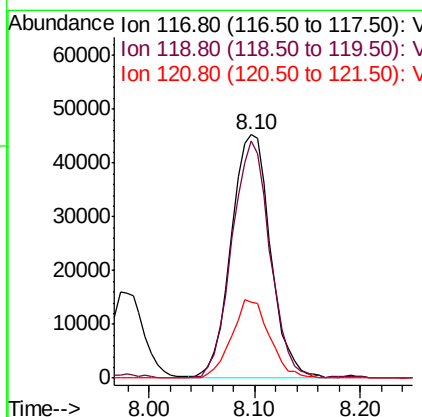
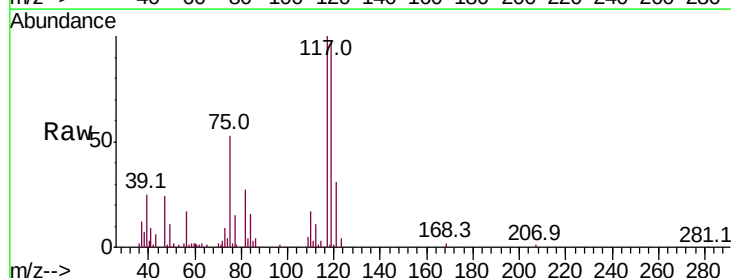
Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

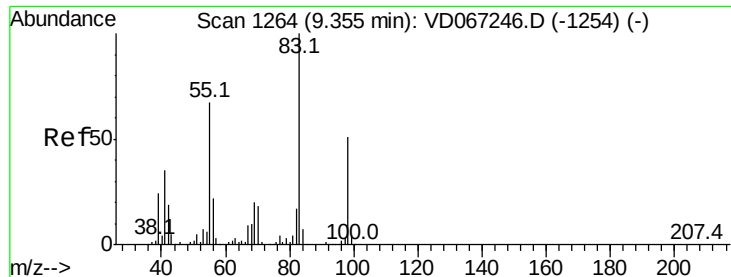
Tot Ion: 43 Resp: 26201
Ion Ratio Lower Upper
43 100
61 14.9 15.6 23.4#
70 15.7 10.4 15.6#



#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

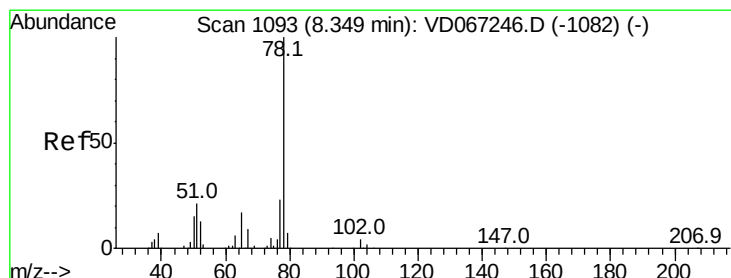
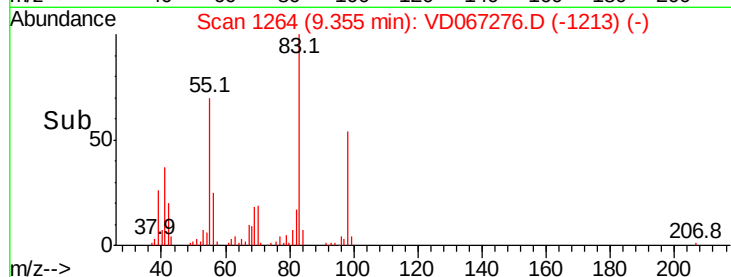
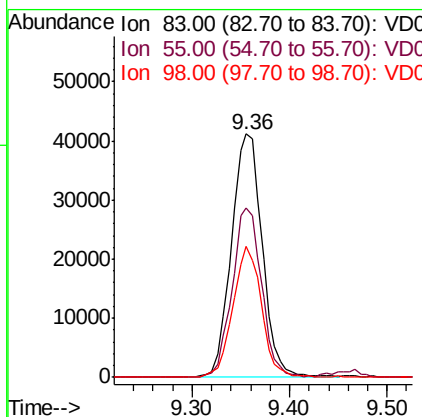
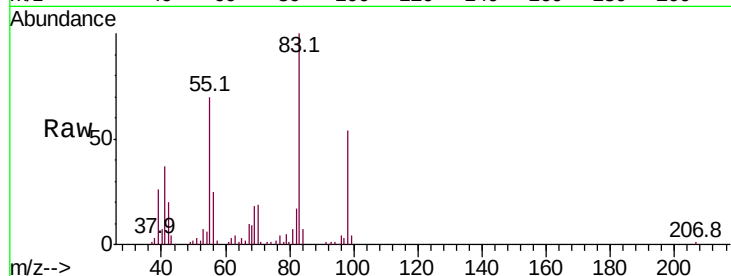




#39
Methylvlcyclohexane
Concen: 20.255 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067276.D
Acq: 15 Oct 2020 11:55

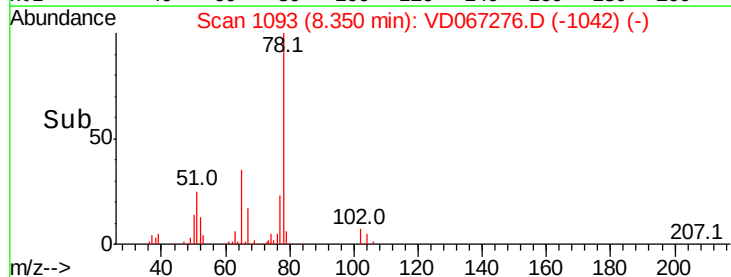
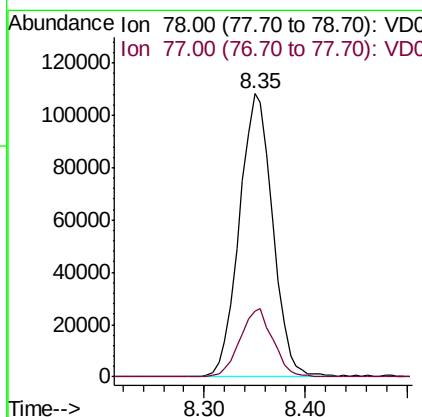
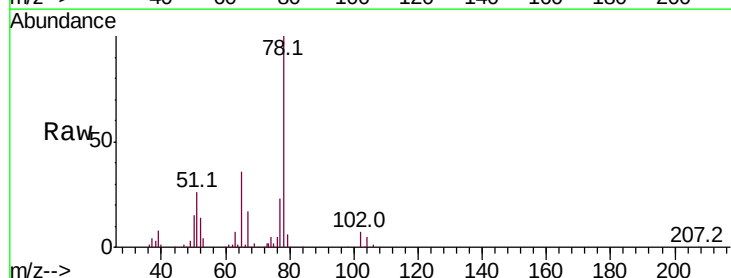
Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

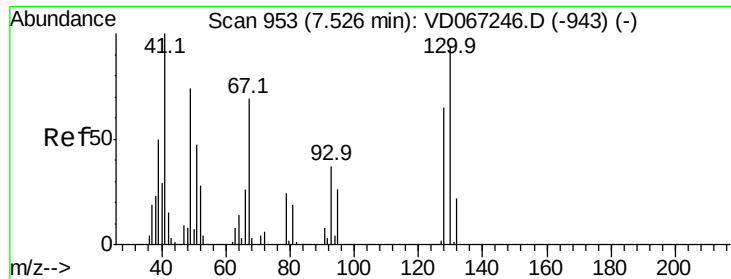
Tot Ion	83	Resp	90459
Ion Ratio	Lower	Upper	
83	100		
55	69.7	53.3	79.9
98	53.9	41.0	61.4



#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

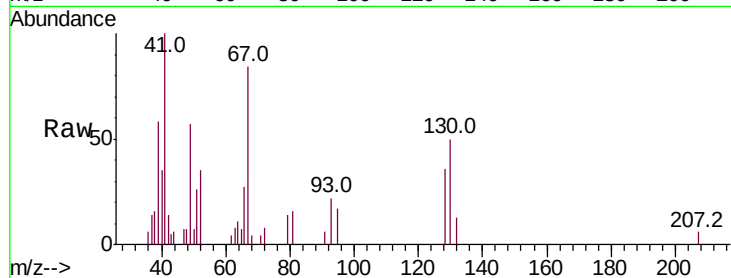




#41
Methacrylonitrile
Concen: 21.494 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD067276.D
Acq: 15 Oct 2020 11:55

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



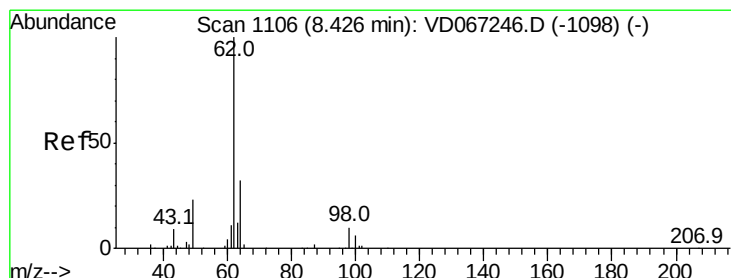
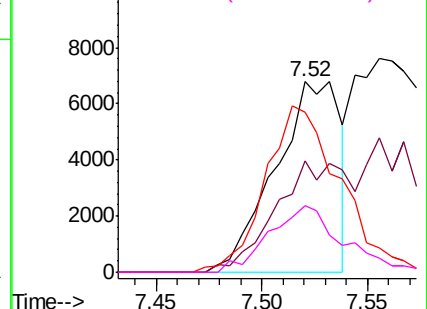
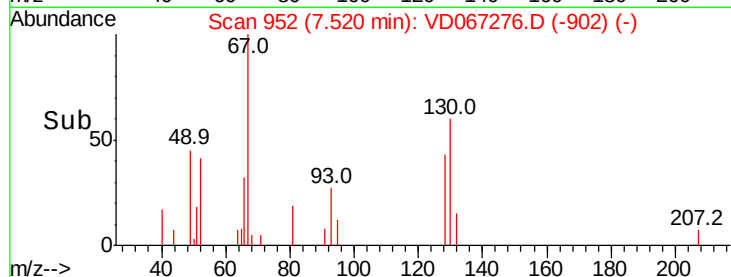
Abundance

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

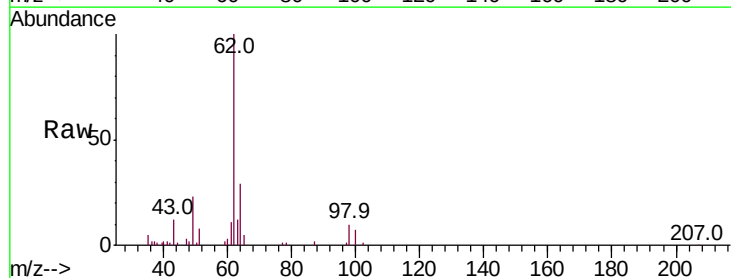
Ion 67.00 (66.70 to 67.70): VDC

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

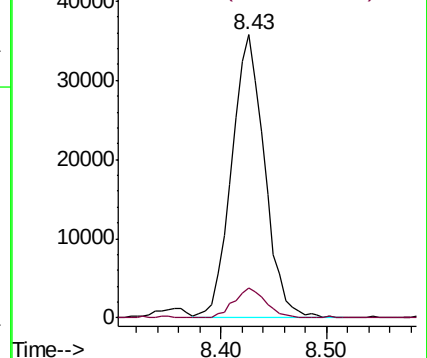
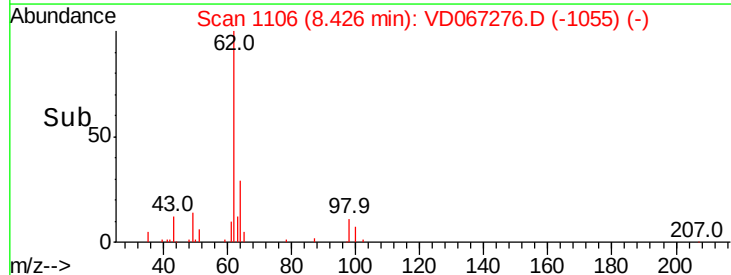
Tgt Ion:	62	Resp:	76789
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.4

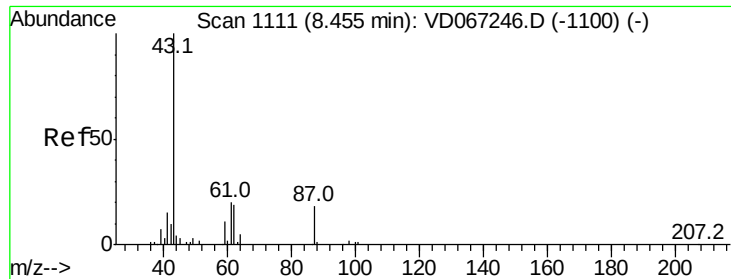


Abundance

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

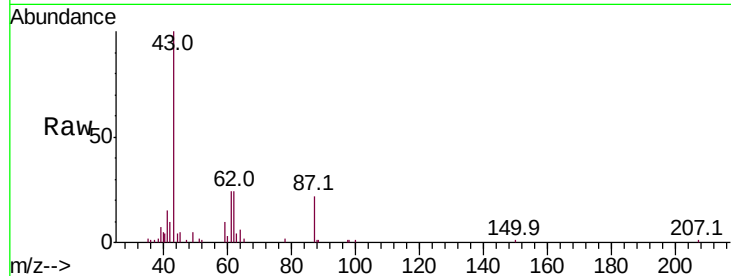
Tot Ion: 43 Resp: 50604

Ion Ratio Lower Upper

43 100

61 0.0 29.5 44.3#

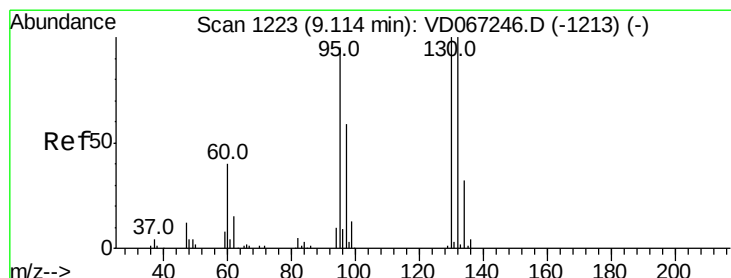
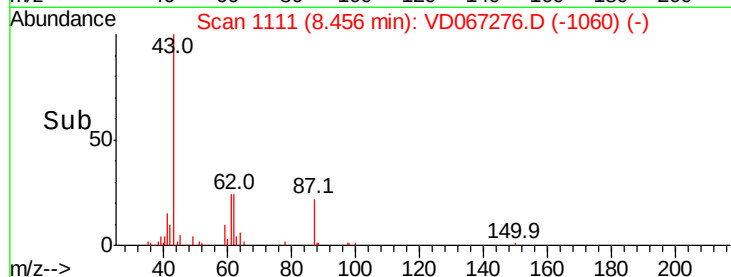
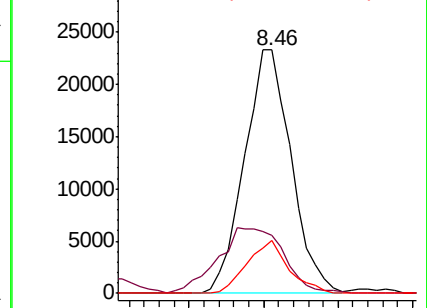
87 19.4 14.2 21.4



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

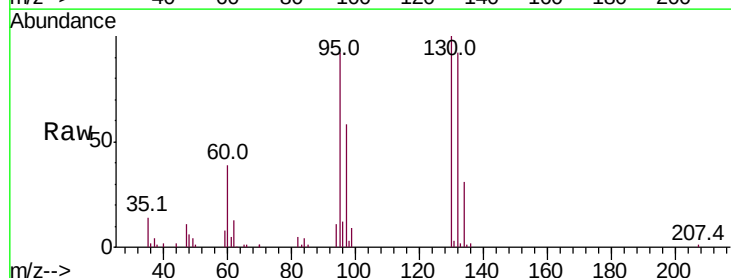
Acq: 15 Oct 2020 11:55

Tgt Ion:130 Resp: 78640

Ion Ratio Lower Upper

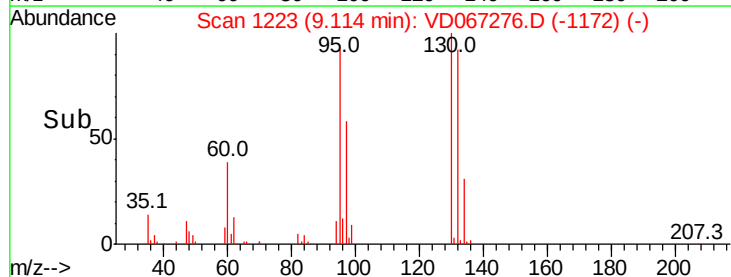
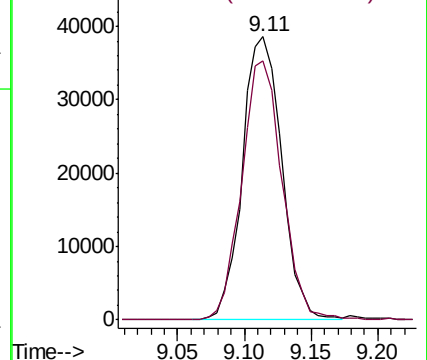
130 100

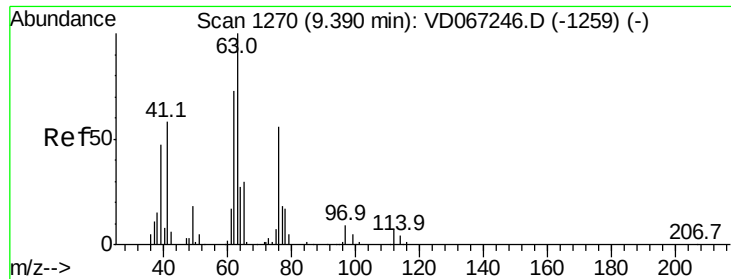
95 91.6 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

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 :

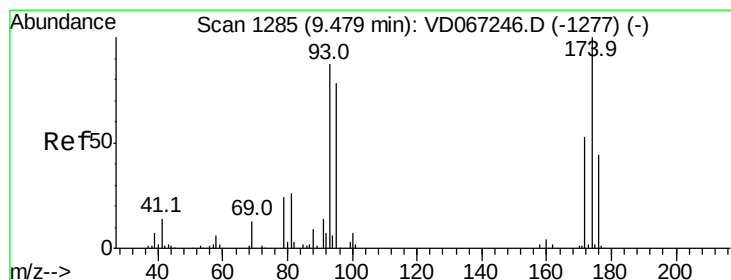
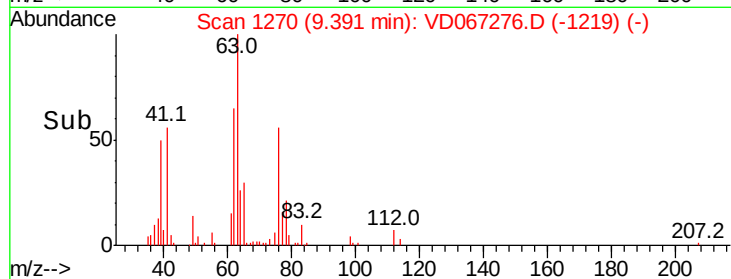
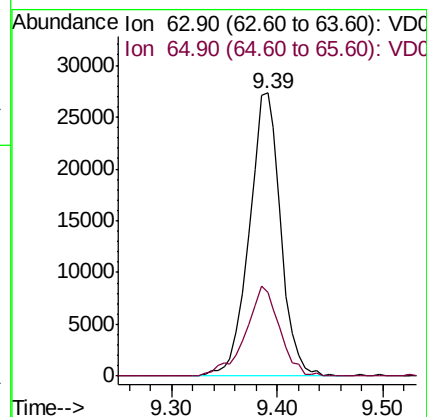
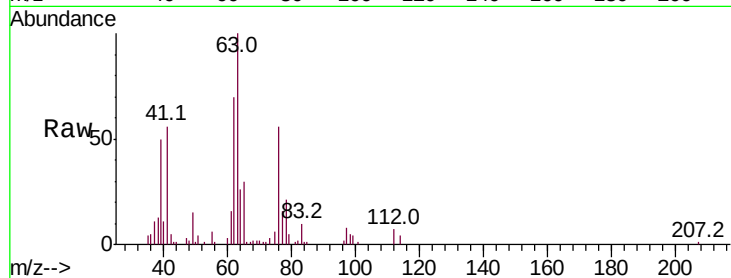
VD1015SBS01

Tot Ion: 63 Resp: 56490

Ion Ratio Lower Upper

63 100

65 29.5 24.6 36.8



#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

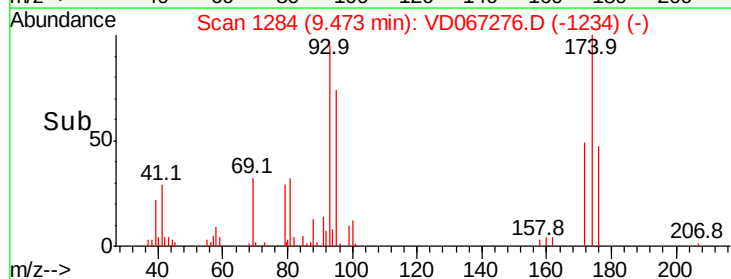
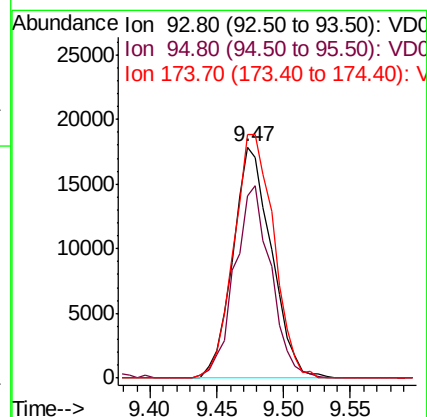
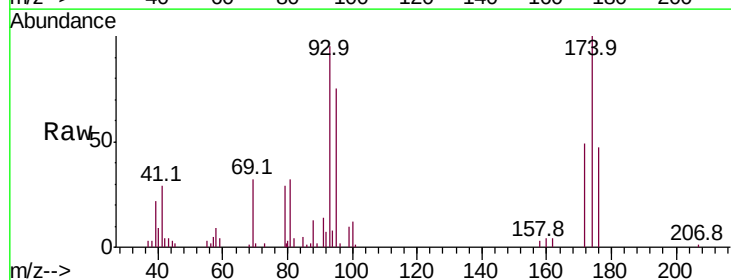
Tgt Ion: 93 Resp: 35904

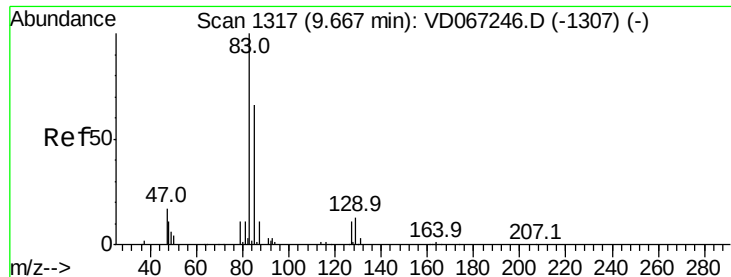
Ion Ratio Lower Upper

93 100

95 78.5 68.0 102.0

174 108.7 91.8 137.6





#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

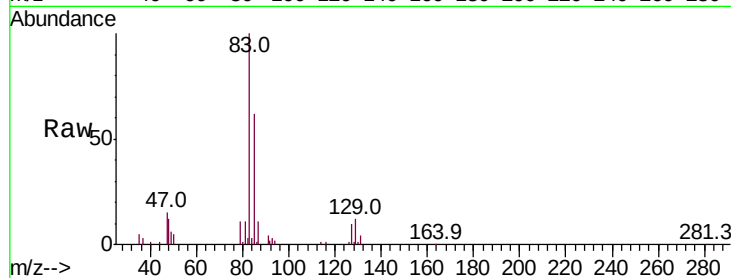
Tot Ion: 83 Resp: 93608

Ion Ratio Lower Upper

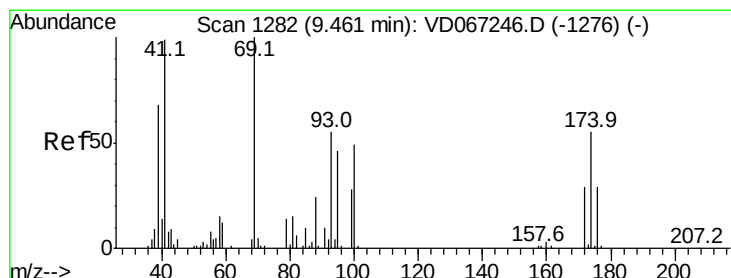
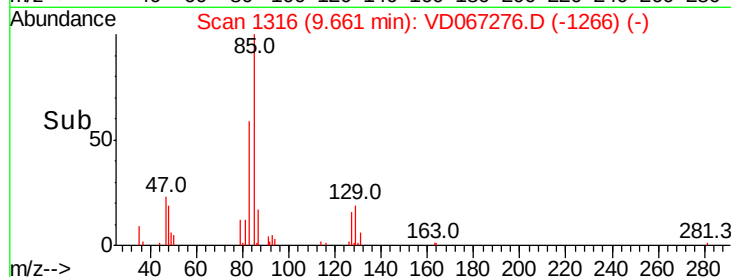
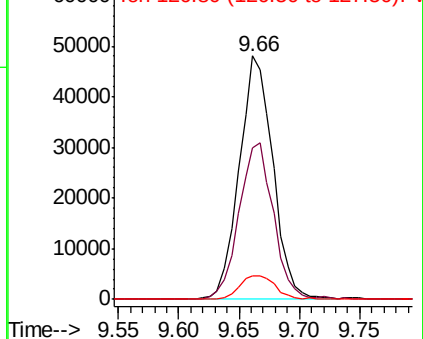
83 100

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

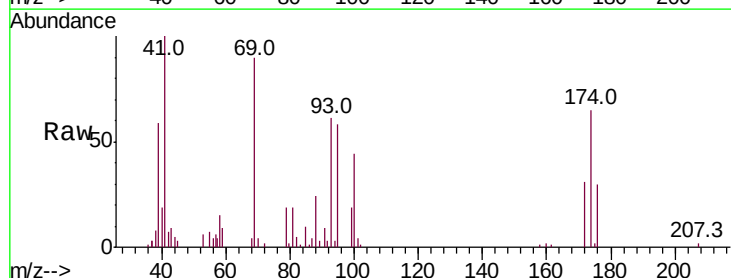
Tgt Ion: 41 Resp: 23866

Ion Ratio Lower Upper

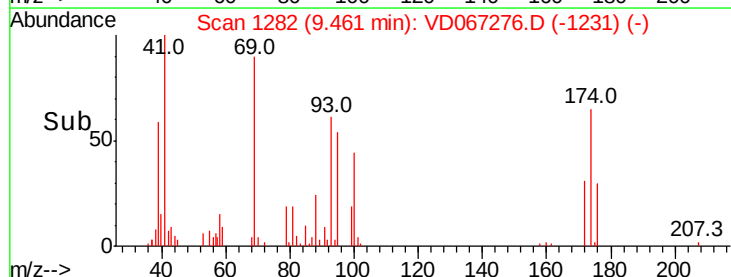
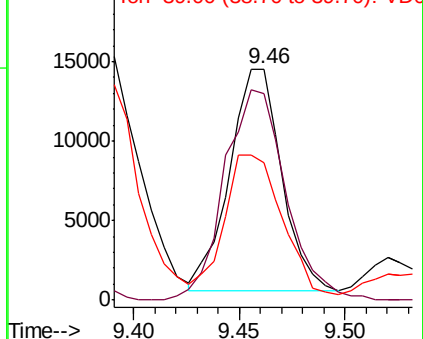
41 100

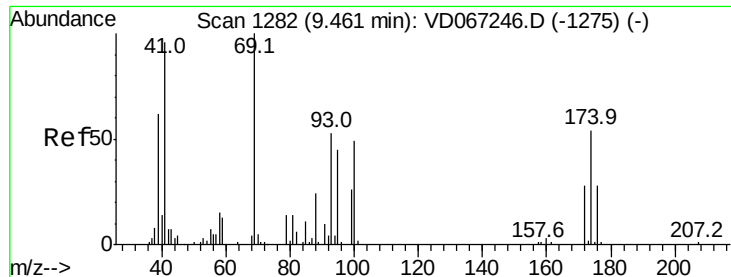
69 112.1 89.0 133.6

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

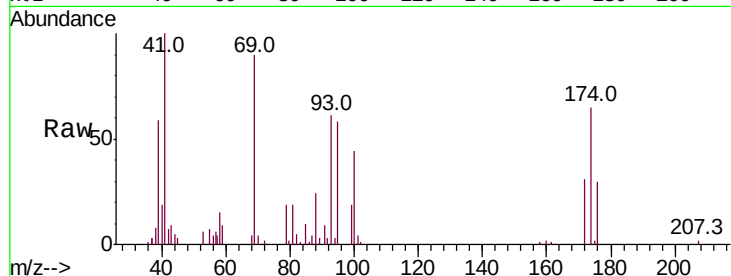
Tot Ion: 88 Resp: 6969

Ion Ratio Lower Upper

88 100

43 34.8 23.9 35.9

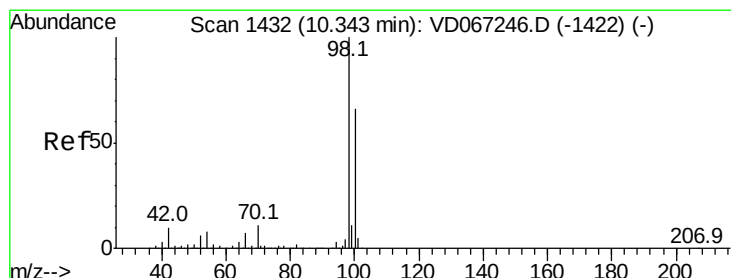
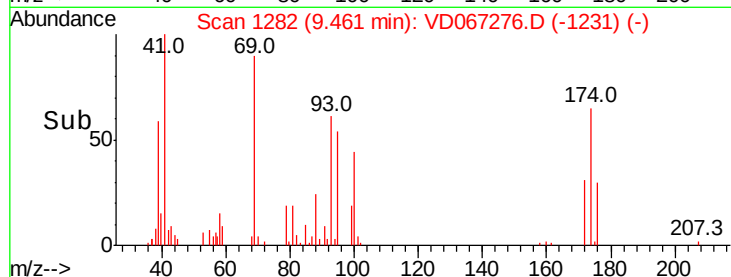
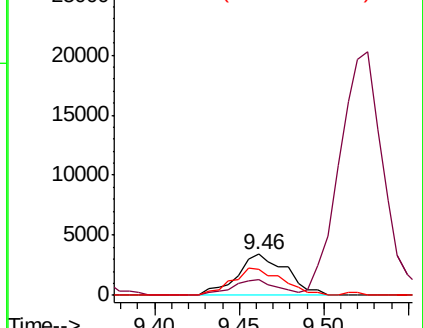
58 66.3 51.0 76.6



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 52.820 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067276.D

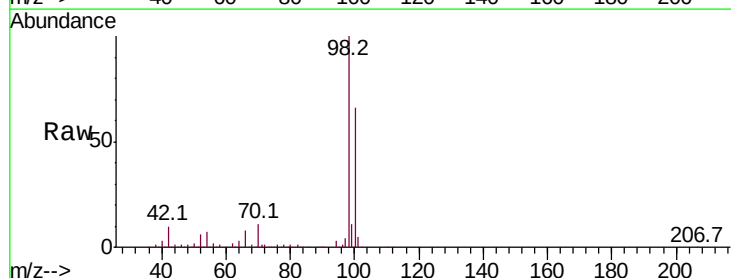
Acq: 15 Oct 2020 11:55

Tgt Ion: 98 Resp: 641191

Ion Ratio Lower Upper

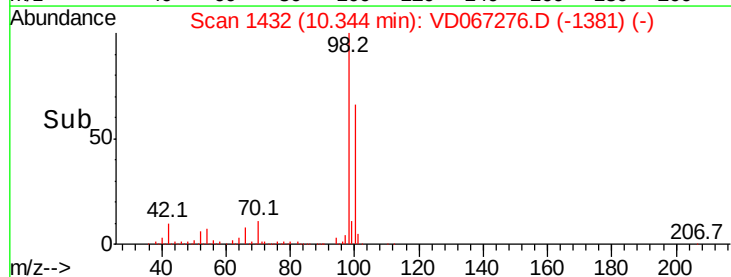
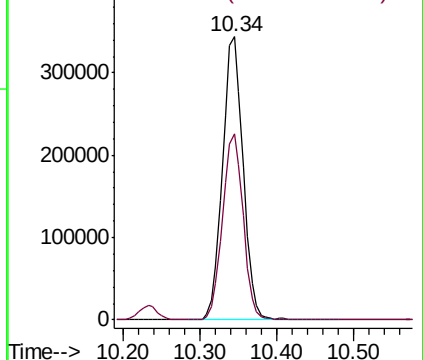
98 100

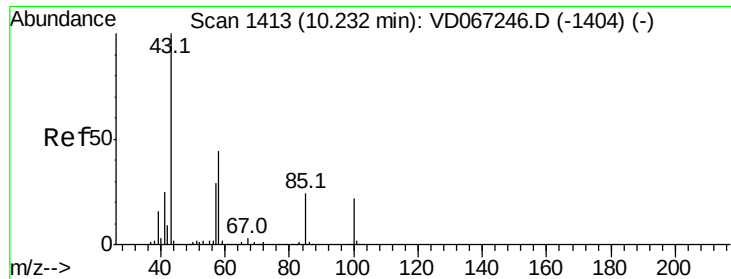
100 65.8 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 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 :

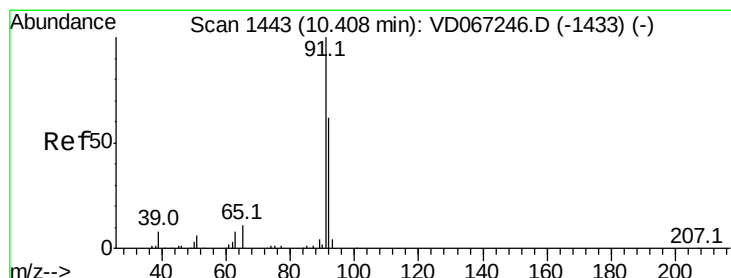
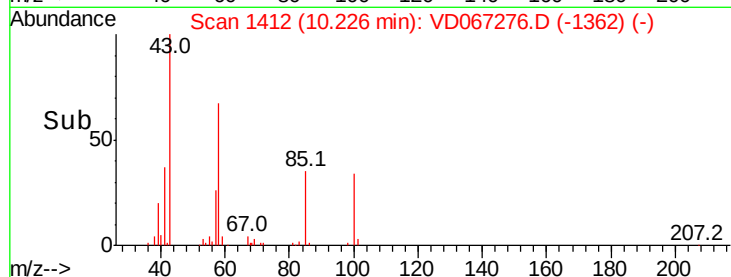
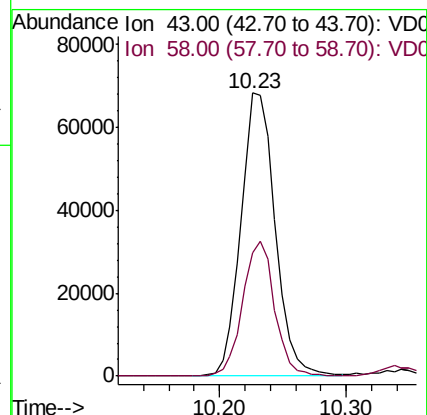
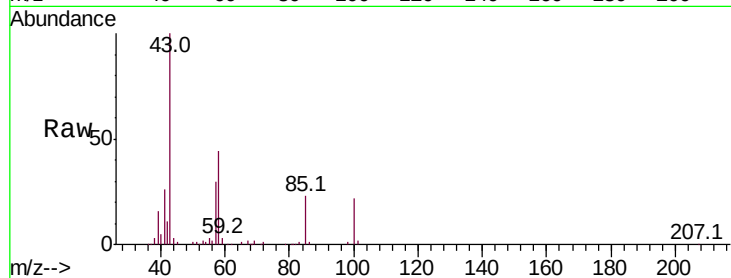
VD1015SBS01

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

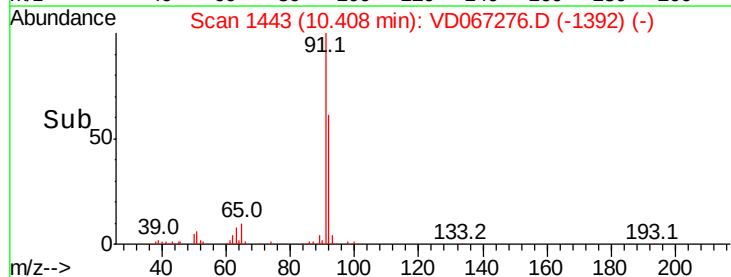
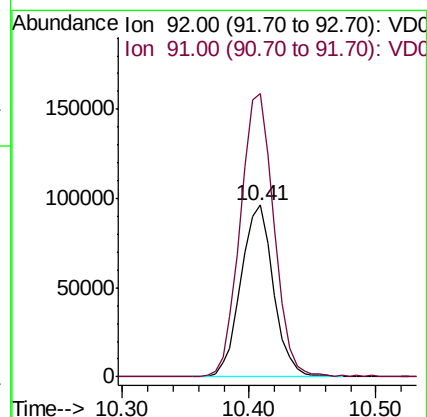
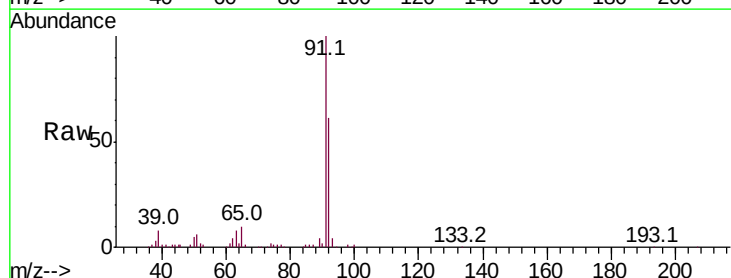
Acq: 15 Oct 2020 11:55

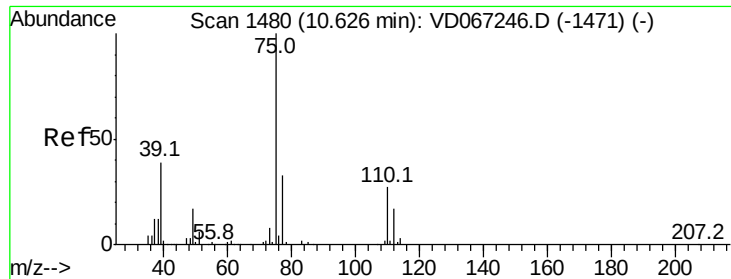
Tgt Ion: 92 Resp: 171765

Ion Ratio Lower Upper

92 100

91 170.4 133.8 200.8

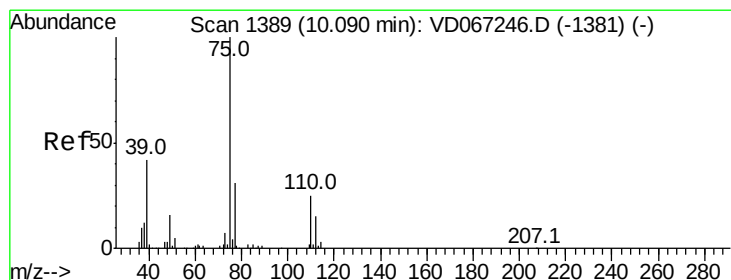
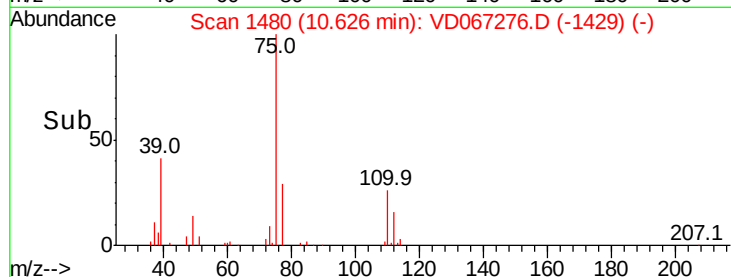
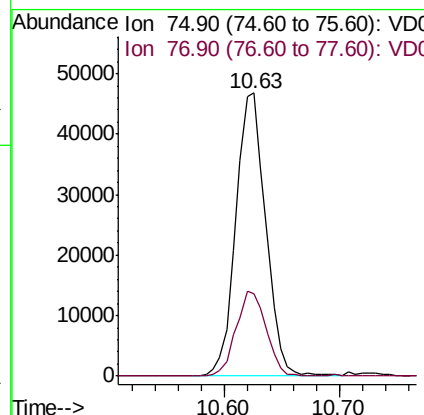
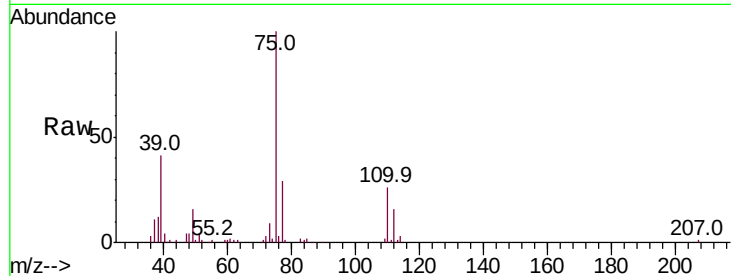




#53
 t-1,3-Dichloropropene
 Concen: 21.119 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD067276.D
 Acq: 15 Oct 2020 11:55

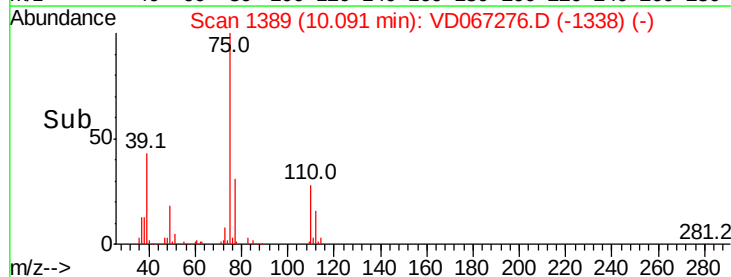
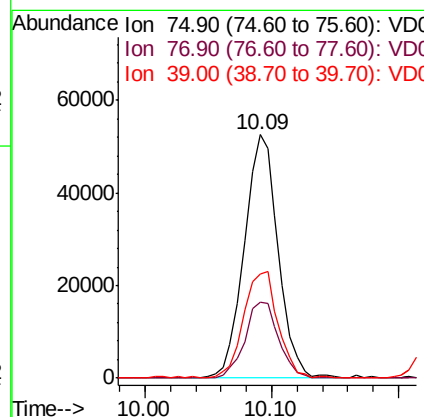
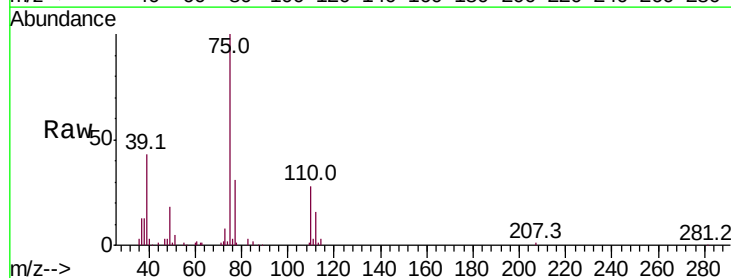
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

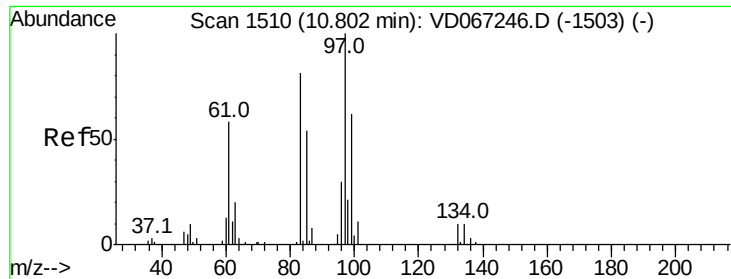
Tot Ion: 75 Resp: 84116
 Ion Ratio Lower Upper
 75 100
 77 28.9 26.5 39.7



#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

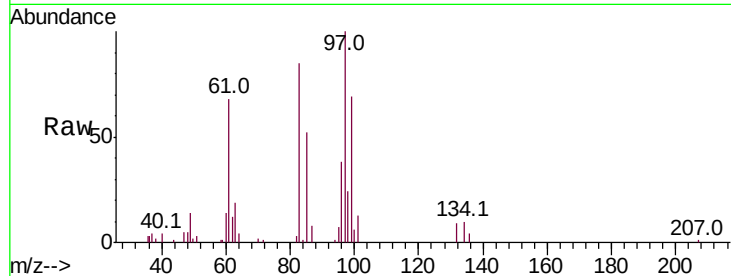




#55
 1,1,2-Trichloroethane
 Concen: 21.104 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067276.D
 Acq: 15 Oct 2020 11:55

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



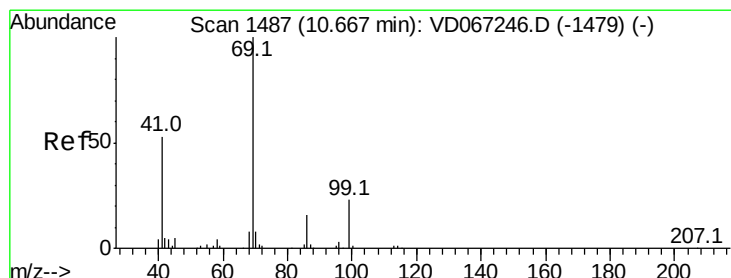
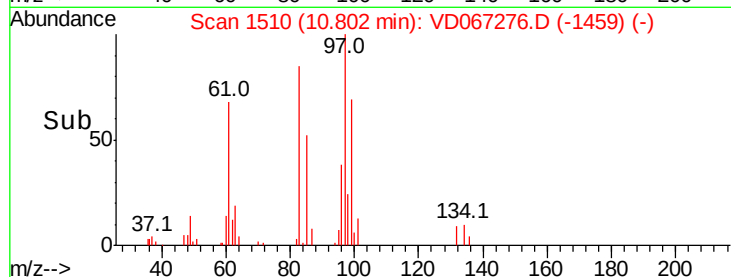
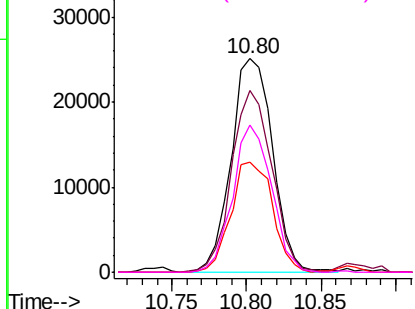
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

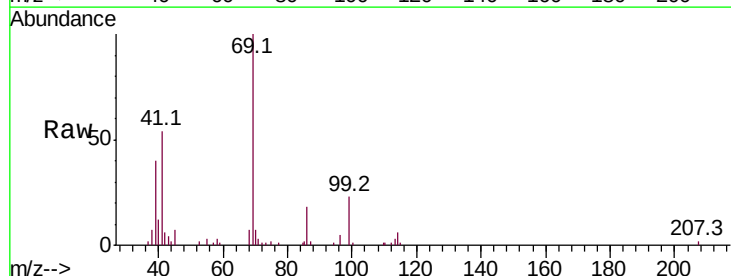
Ion 84.90 (84.60 to 85.60): VDC

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

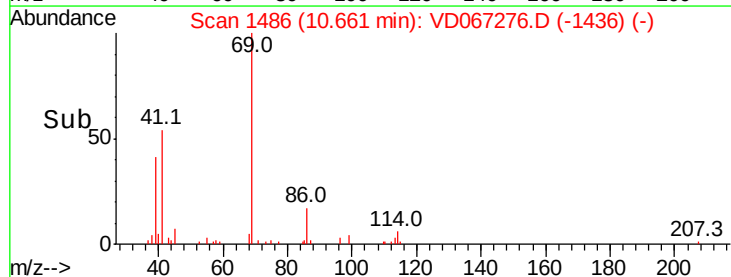
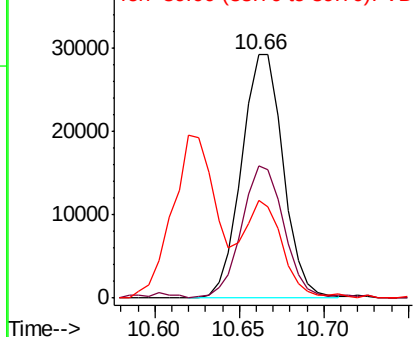


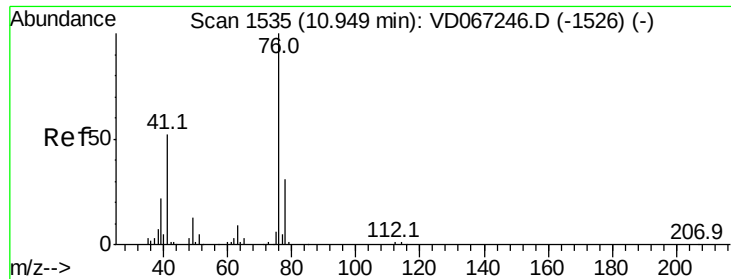
Abundance

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 :

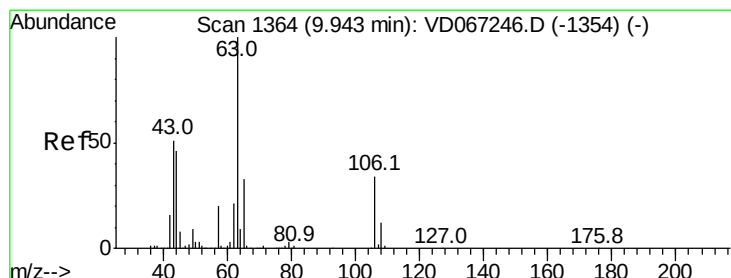
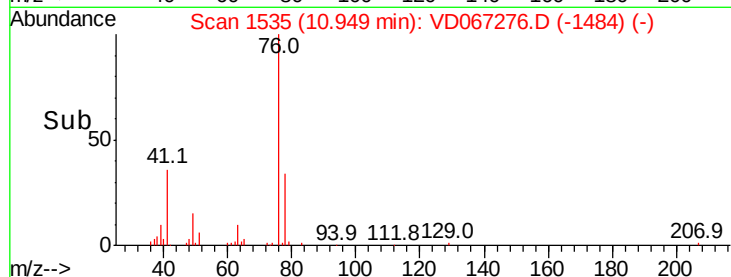
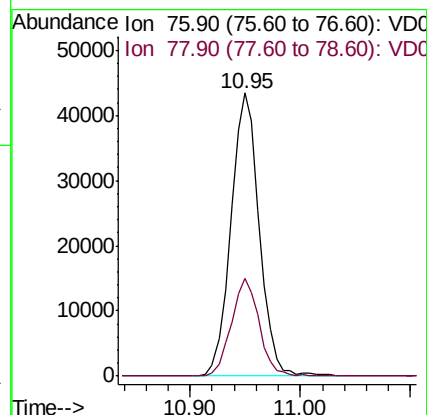
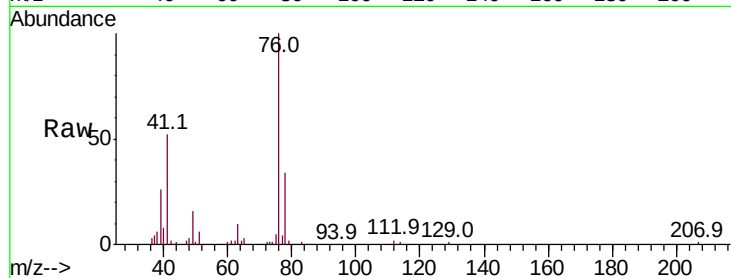
VD1015SBS01

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

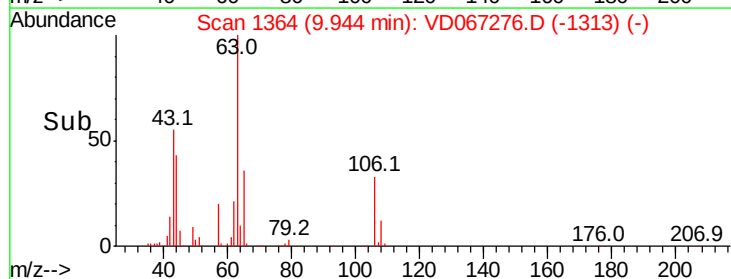
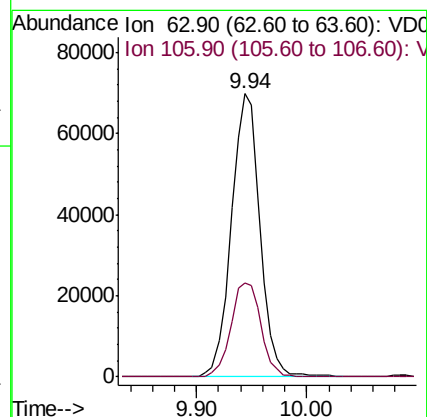
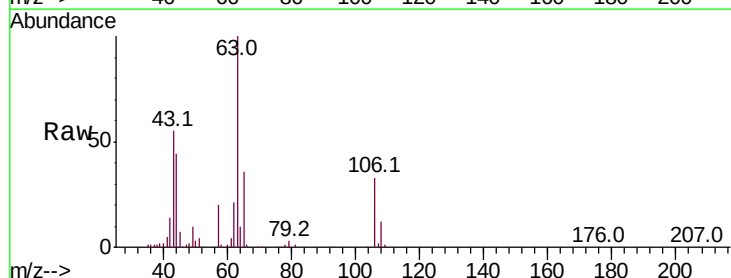
Acq: 15 Oct 2020 11:55

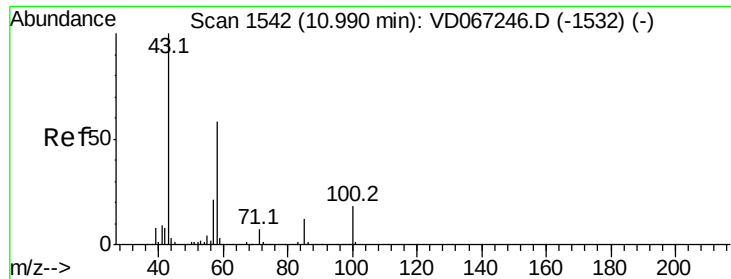
Tgt Ion: 63 Resp: 126416

Ion Ratio Lower Upper

63 100

106 35.1 27.8 41.6

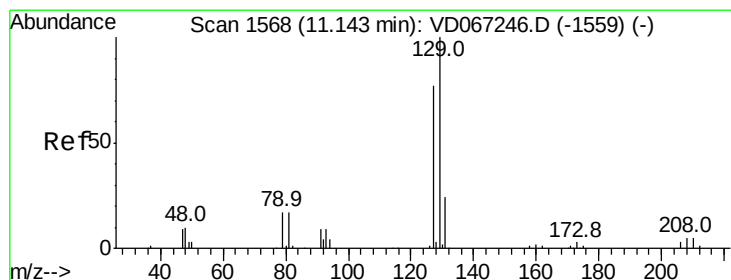
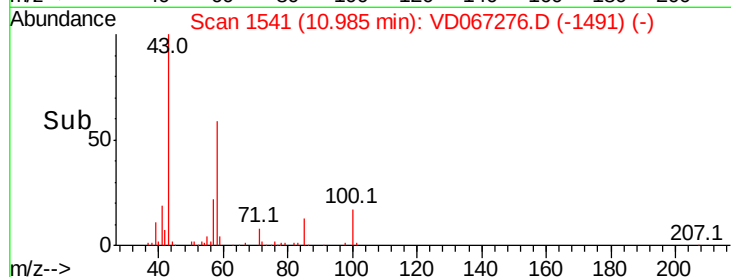
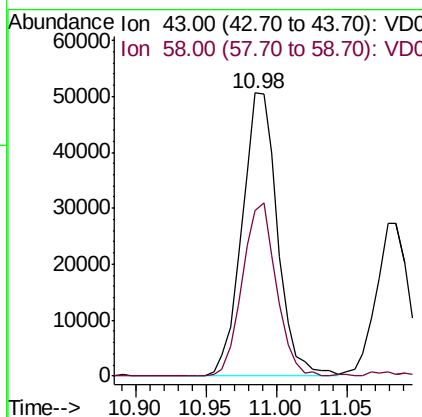
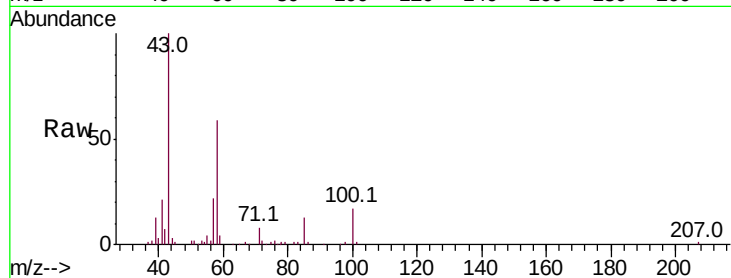




#59
2-Hexanone
Concen: 104.887 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD067276.D
Acq: 15 Oct 2020 11:55

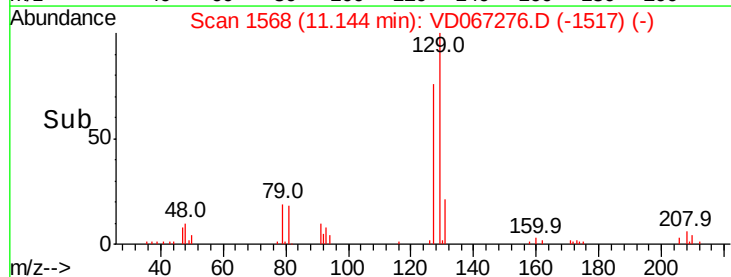
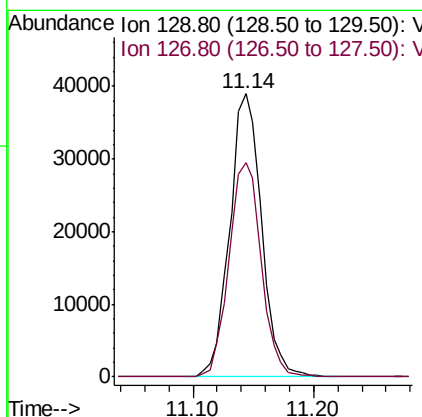
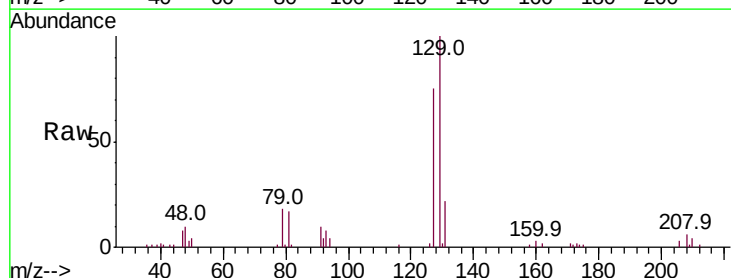
Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

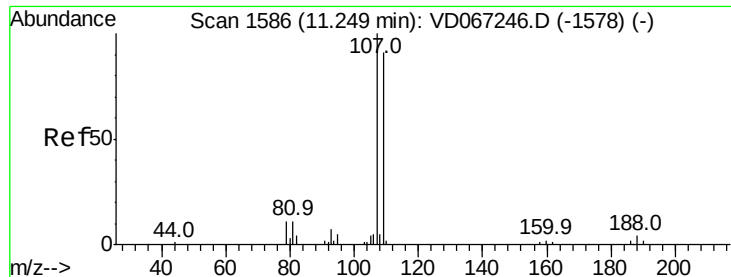
Tot Ion: 43 Resp: 89157
Ion Ratio Lower Upper
43 100
58 58.4 29.3 87.9



#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

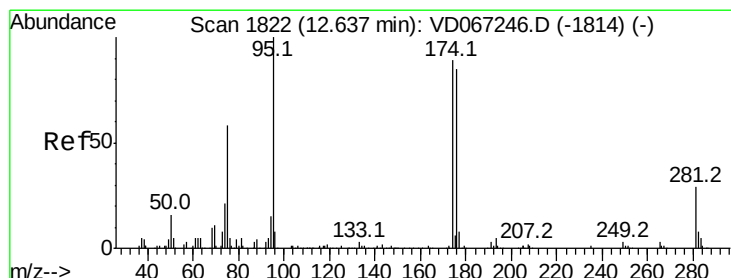
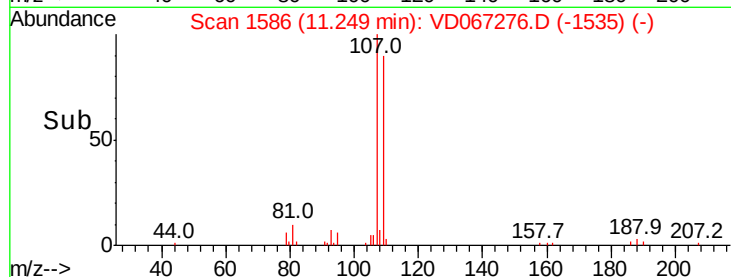
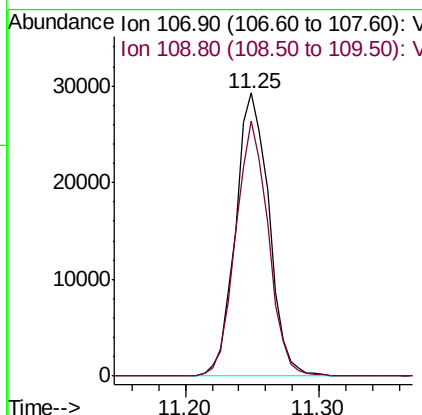
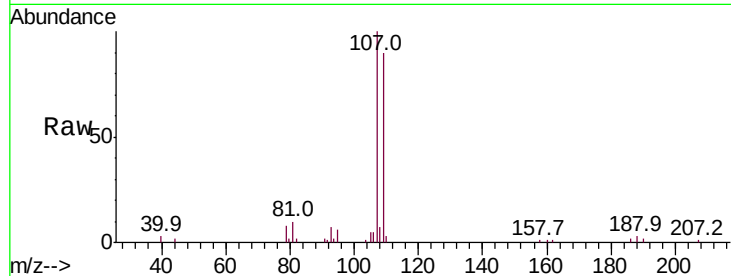




#61
 1,2-Dibromoethane
 Concen: 22.287 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067276.D
 Acq: 15 Oct 2020 11:55

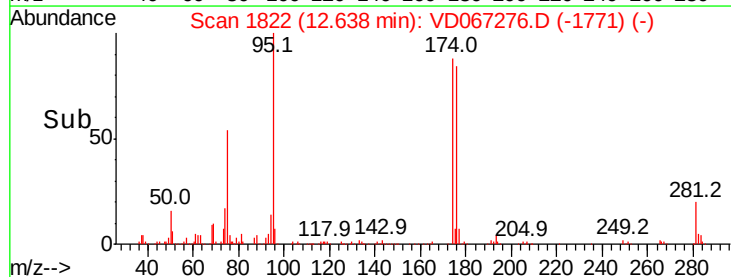
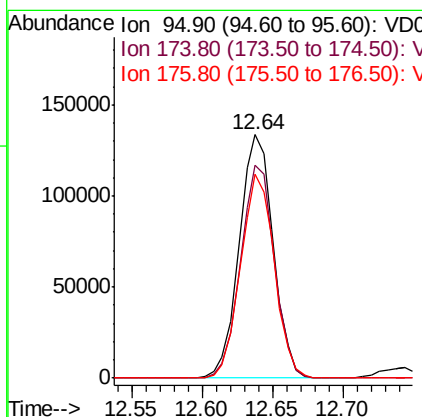
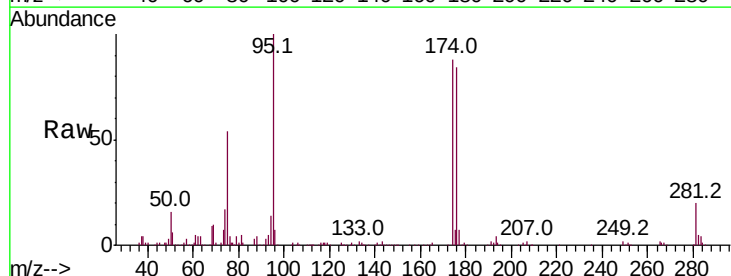
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

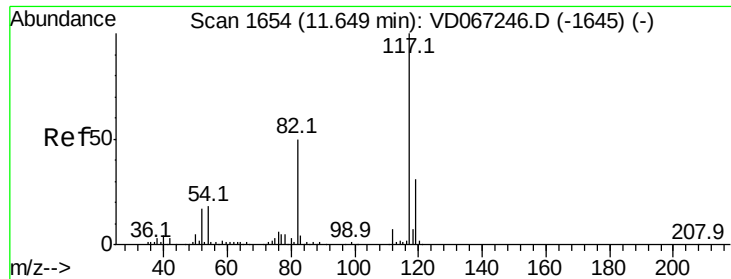
Tot Ion:107 Resp: 50704
 Ion Ratio Lower Upper
 107 100
 109 88.1 74.6 112.0



#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

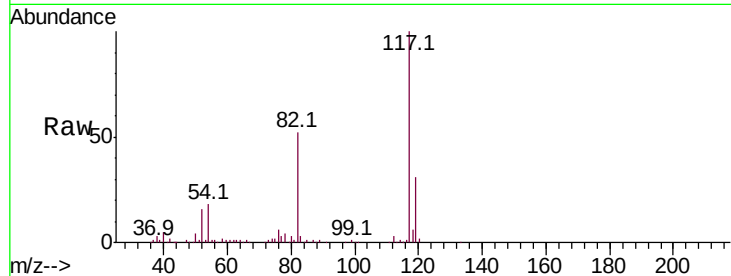




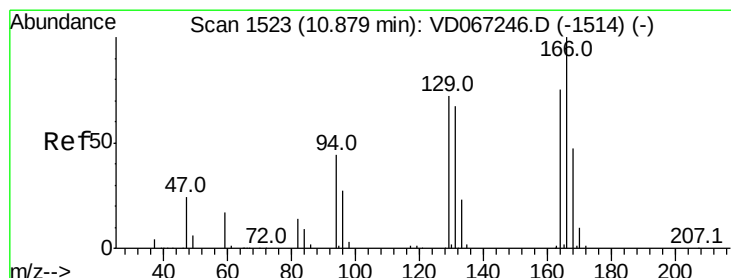
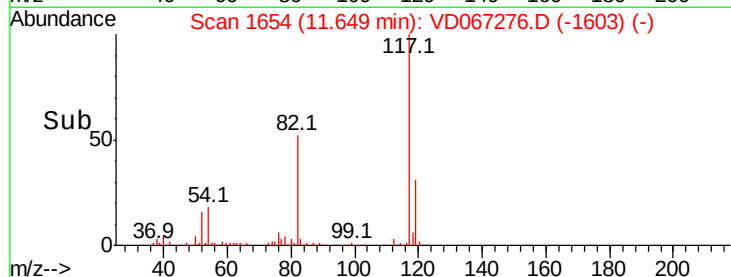
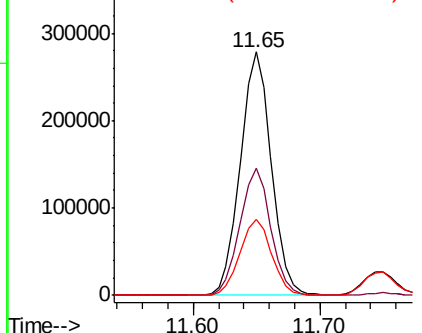
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067276.D
Acq: 15 Oct 2020 11:55

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

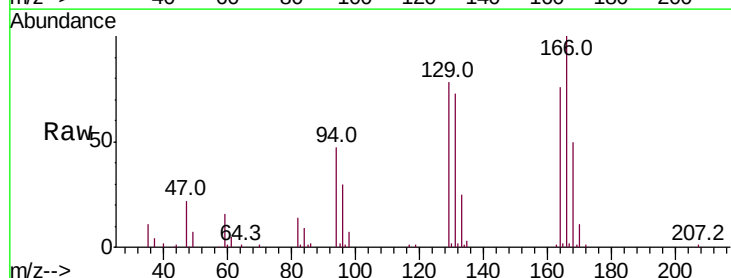


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

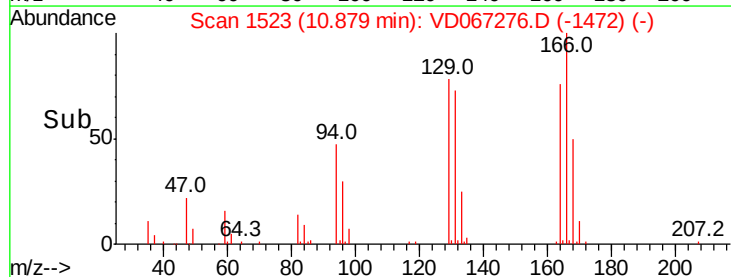
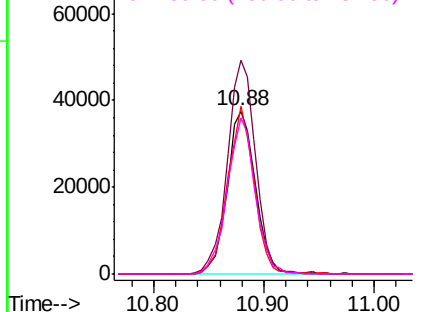


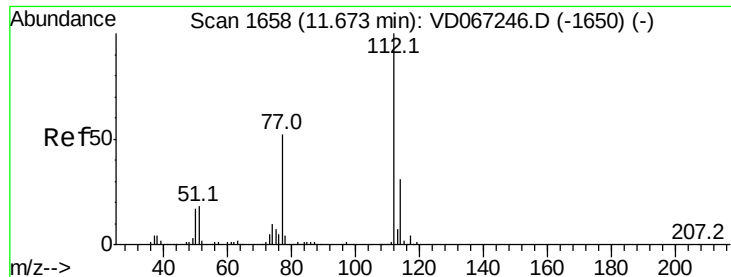
#64
Tetrachloroethene
Concen: 19.646 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067276.D
Acq: 15 Oct 2020 11:55

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 :

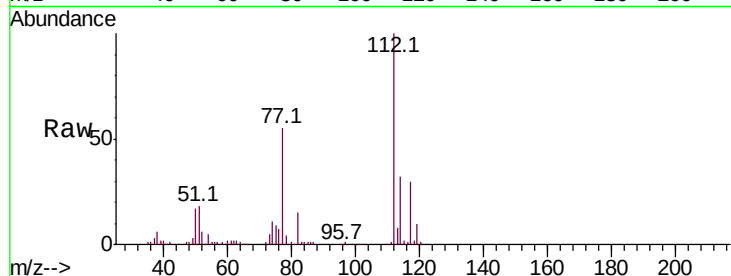
VD1015SBS01

Tot Ion:112 Resp: 188240

Ion Ratio Lower Upper

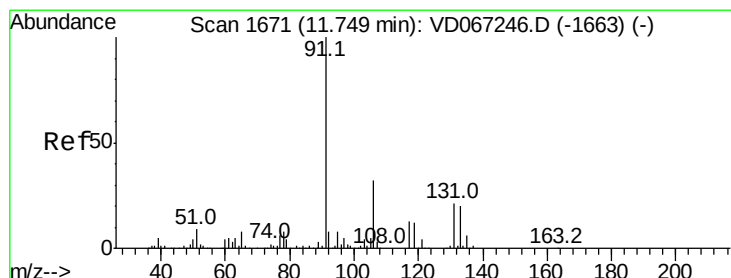
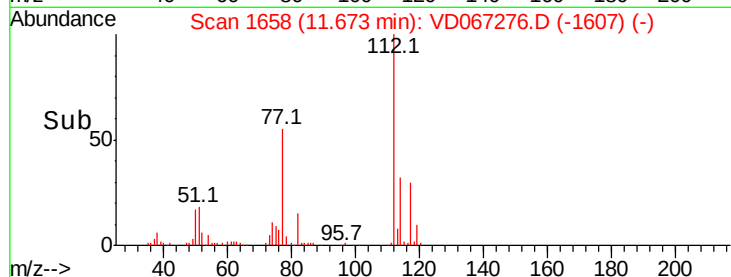
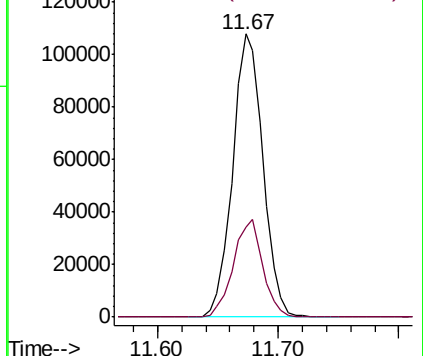
112 100

114 31.7 25.0 37.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#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

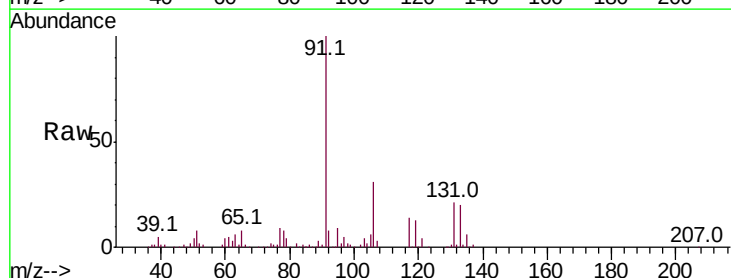
Tgt Ion:131 Resp: 75527

Ion Ratio Lower Upper

131 100

133 99.3 48.1 144.3

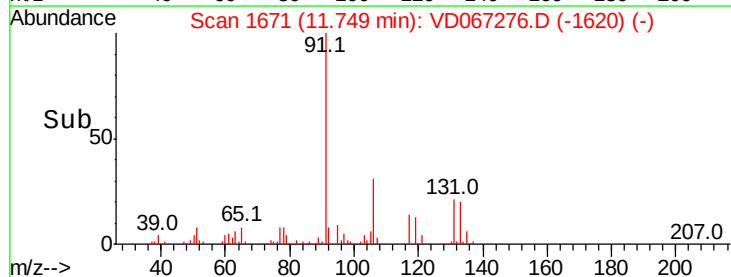
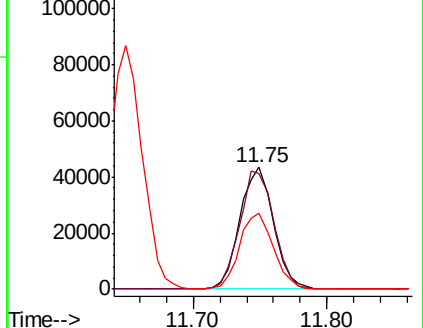
119 62.8 30.0 90.0

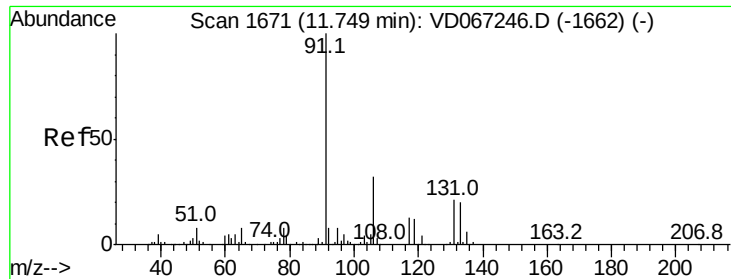


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#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 :

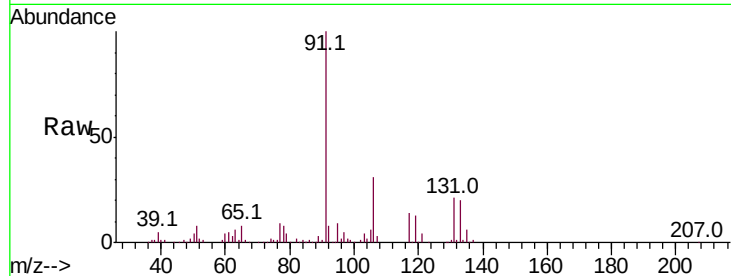
VD1015SBS01

Tot Ion: 91 Resp: 323058

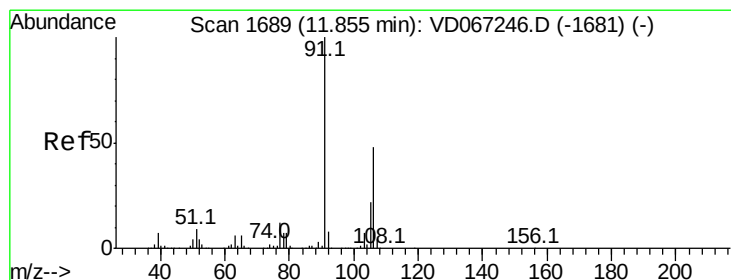
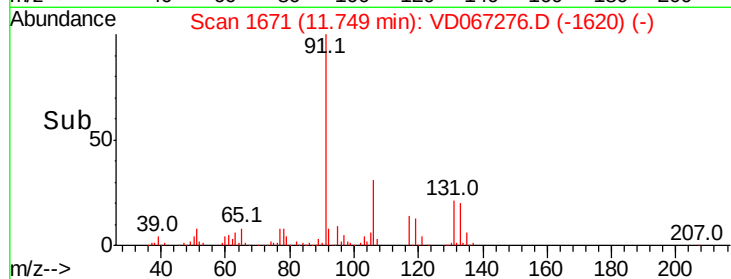
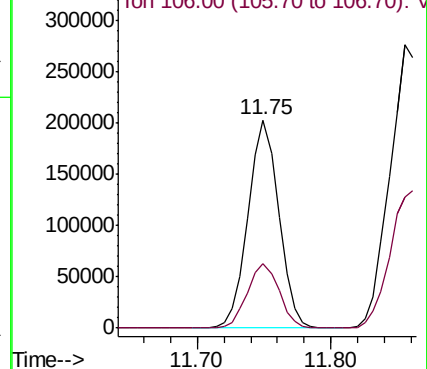
Ion Ratio Lower Upper

91 100

106 31.0 25.4 38.0



Abundance Ion 91.00 (90.70 to 91.70): VDC



#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

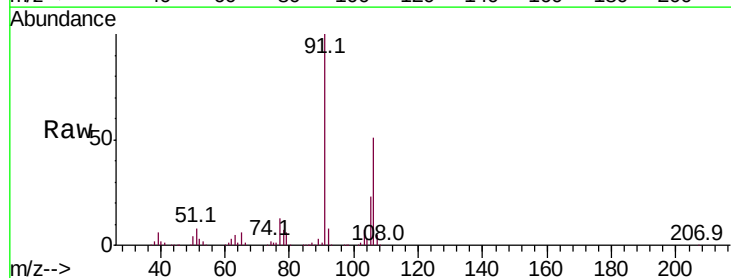
Acq: 15 Oct 2020 11:55

Tgt Ion: 106 Resp: 259161

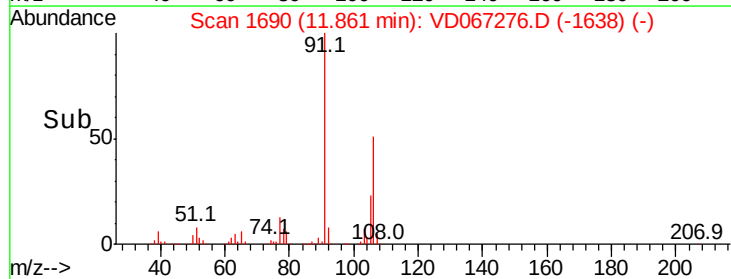
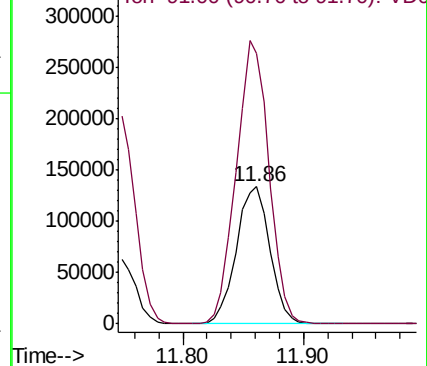
Ion Ratio Lower Upper

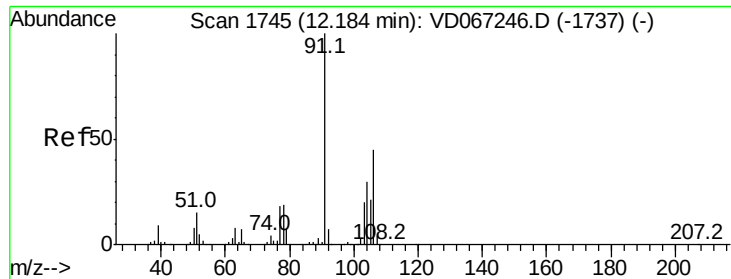
106 100

91 201.1 163.8 245.8



Abundance Ion 106.00 (105.70 to 106.70): VDC

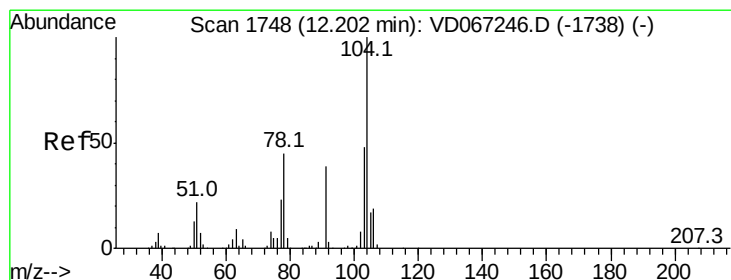
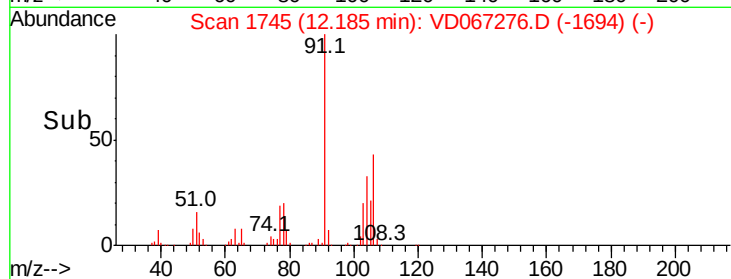
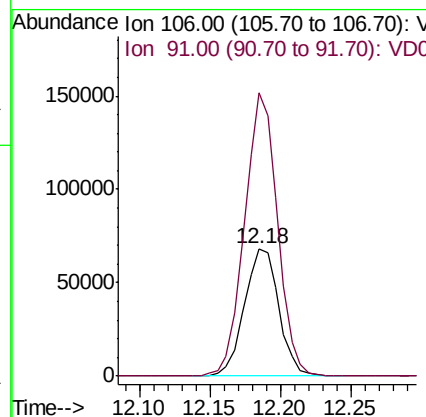
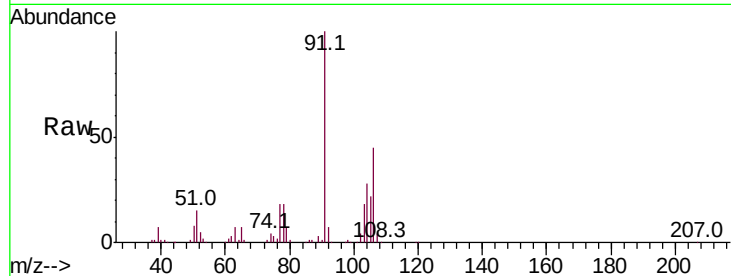




#69
o-Xylene
Concen: 20.970 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067276.D
Acq: 15 Oct 2020 11:55

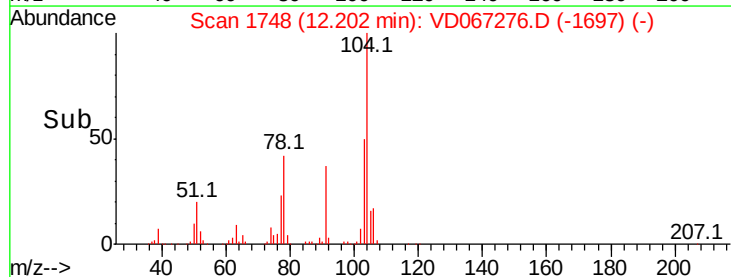
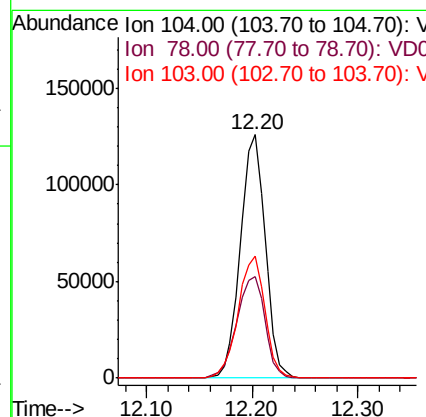
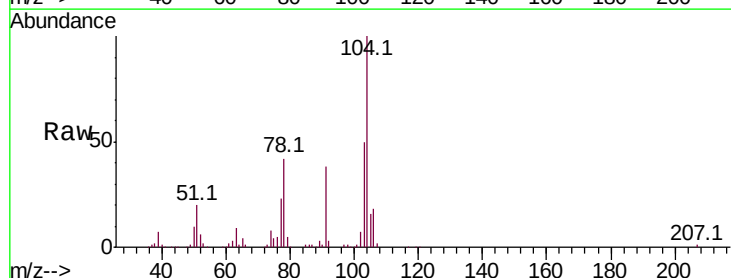
Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

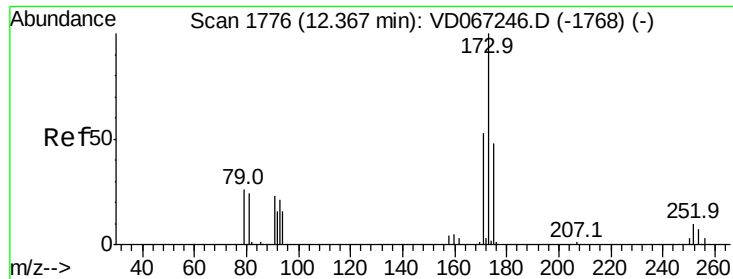
Tot Ion:106 Resp: 116230
Ion Ratio Lower Upper
106 100
91 213.4 109.1 327.3



#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





#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

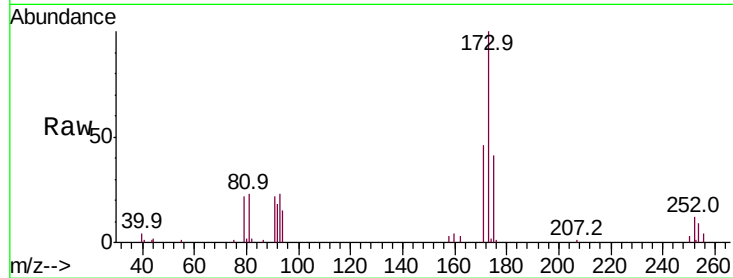
Tot Ion:173 Resp: 41556

Ion Ratio Lower Upper

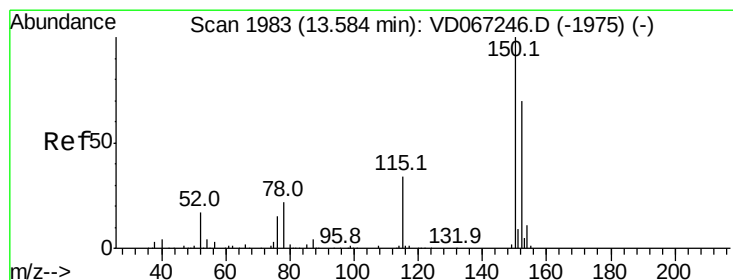
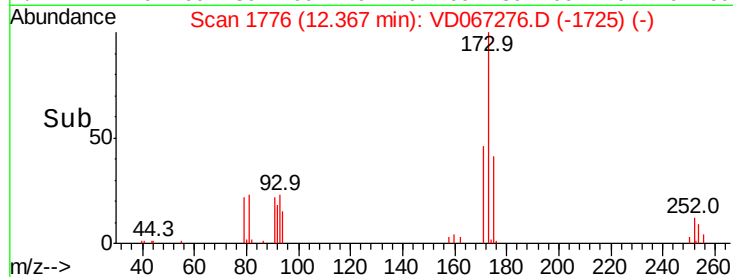
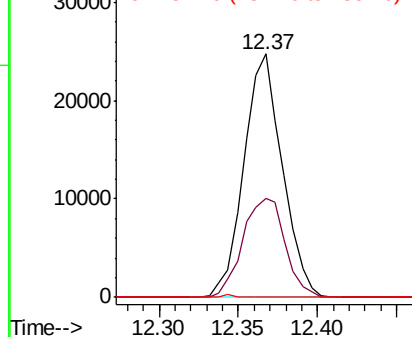
173 100

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

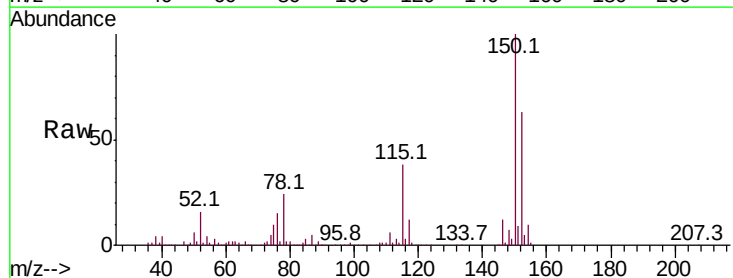
Tgt Ion:152 Resp: 243269

Ion Ratio Lower Upper

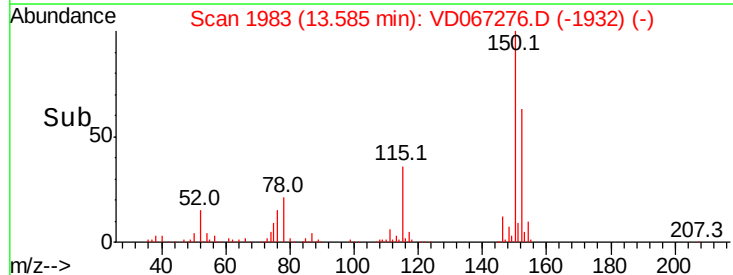
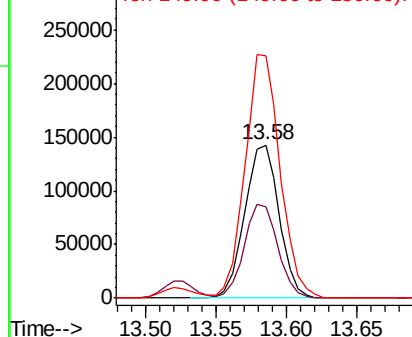
152 100

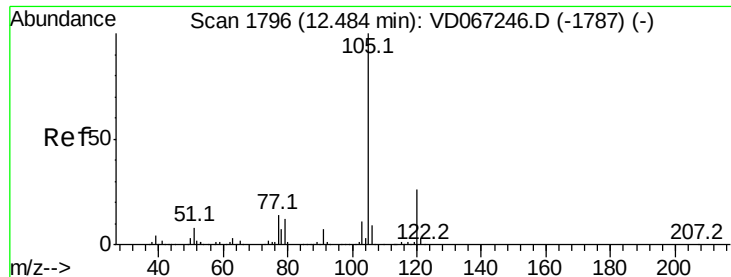
115 59.6 29.3 87.9

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 :

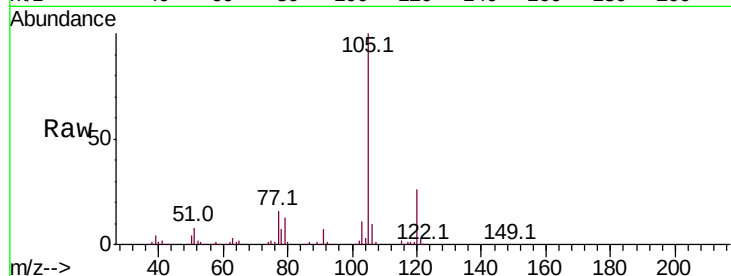
VD1015SBS01

Tot Ion:105 Resp: 320976

Ion Ratio Lower Upper

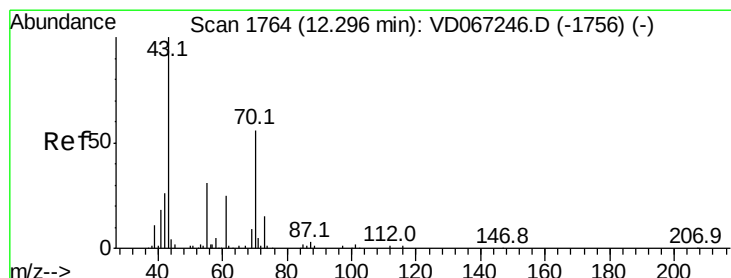
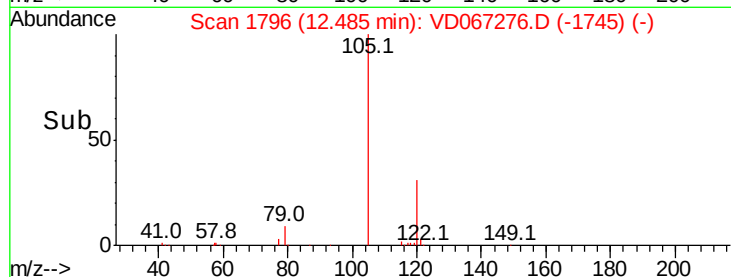
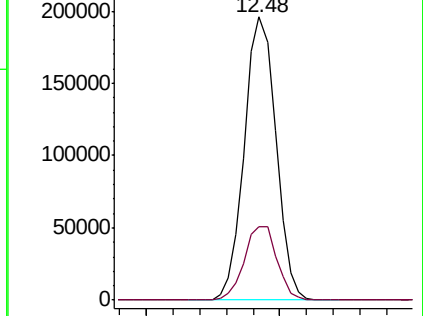
105 100

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



#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

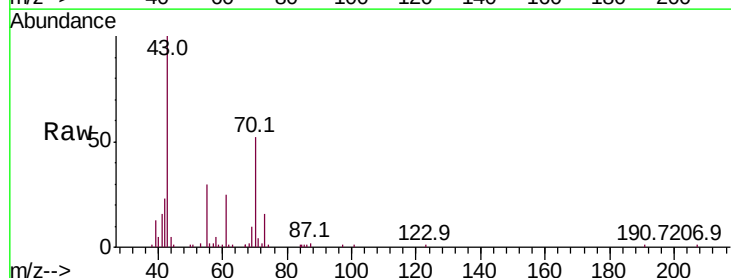
Ion Ratio Lower Upper

43 100

70 51.3 42.7 64.1

55 30.0 24.0 36.0

61 28.9 22.2 33.4

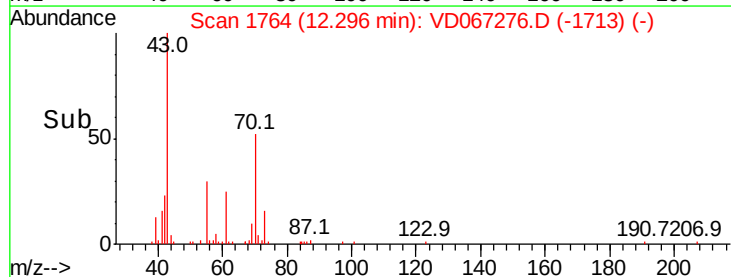
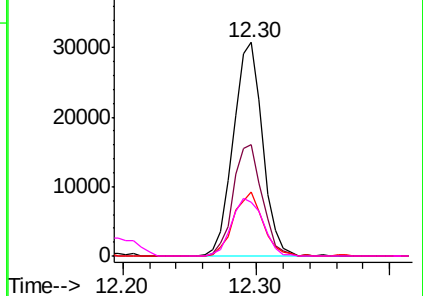


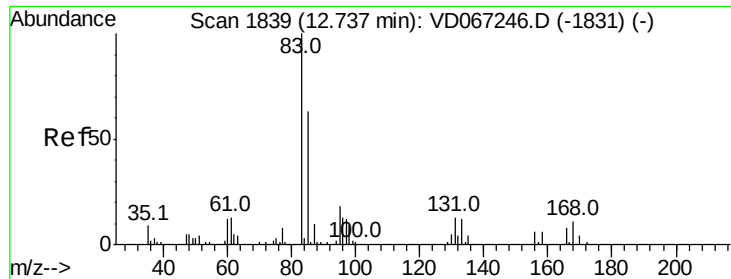
Abundance Ion 43.00 (42.70 to 43.70): VDC

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





#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

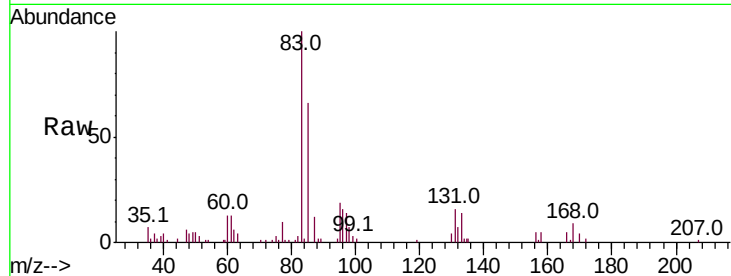
Tot Ion: 83 Resp: 49358

Ion Ratio Lower Upper

83 100

131 14.5 6.5 19.5

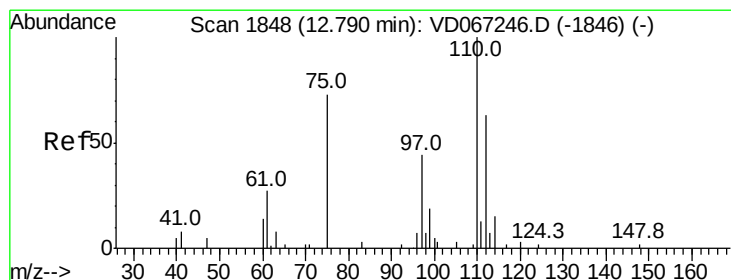
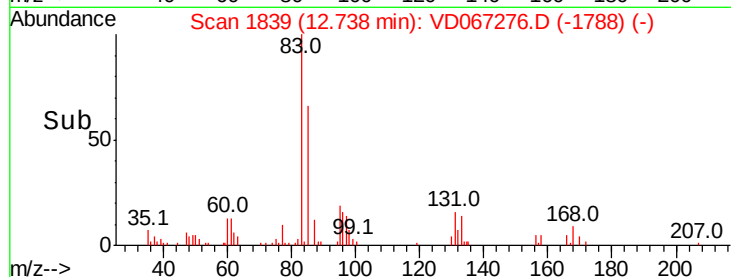
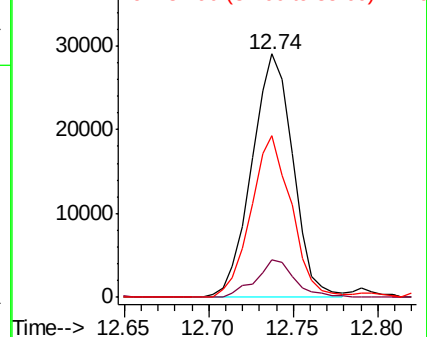
85 64.8 32.6 97.7



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: 39.392 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD067276.D

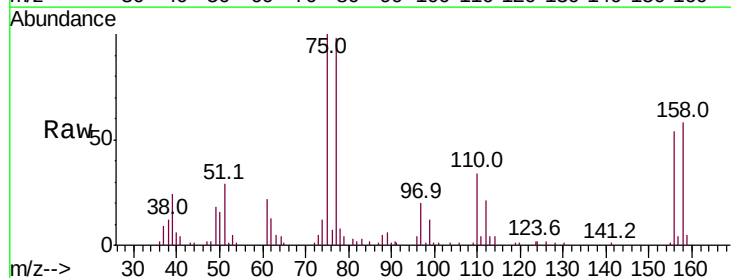
Acq: 15 Oct 2020 11:55

Tgt Ion: 75 Resp: 66419

Ion Ratio Lower Upper

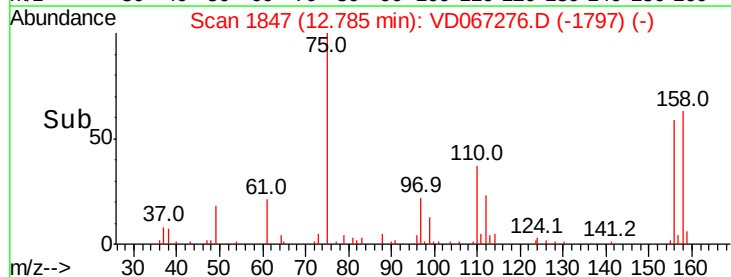
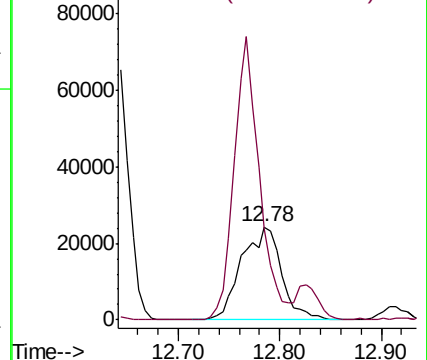
75 100

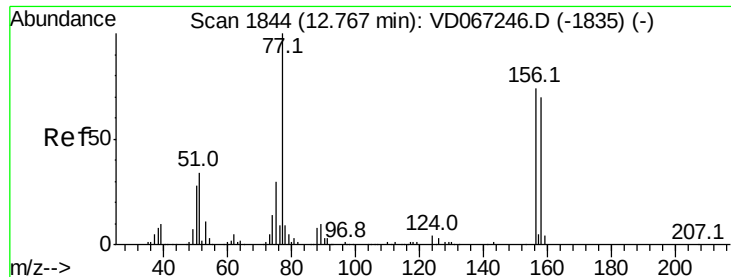
77 196.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 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

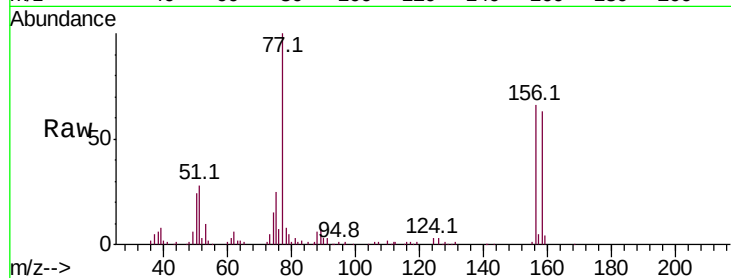
Tot Ion:156 Resp: 80313

Ion Ratio Lower Upper

156 100

77 162.1 78.0 233.8

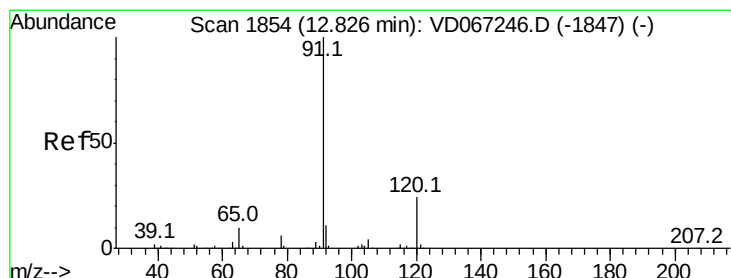
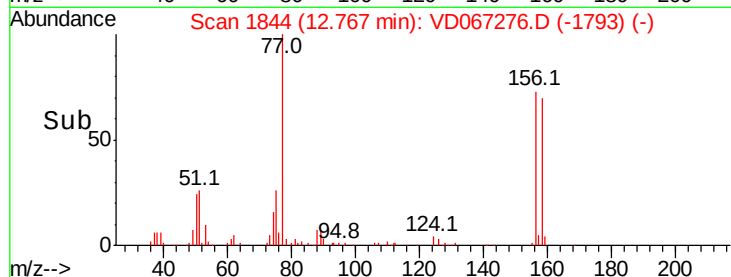
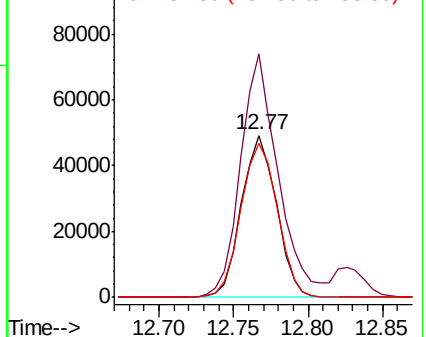
158 98.9 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

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

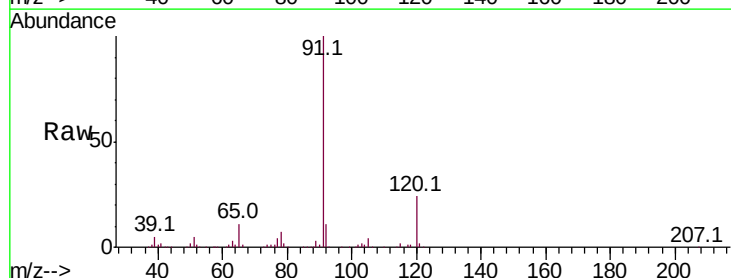
Acq: 15 Oct 2020 11:55

Tgt Ion: 91 Resp: 379956

Ion Ratio Lower Upper

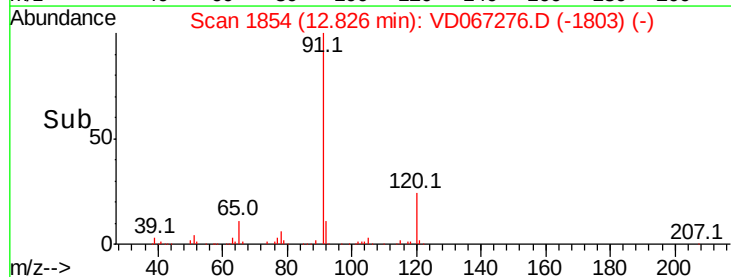
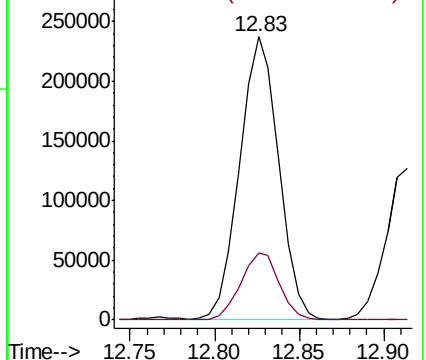
91 100

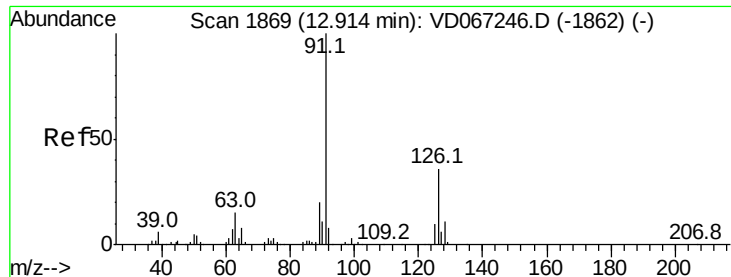
120 23.6 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

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 :

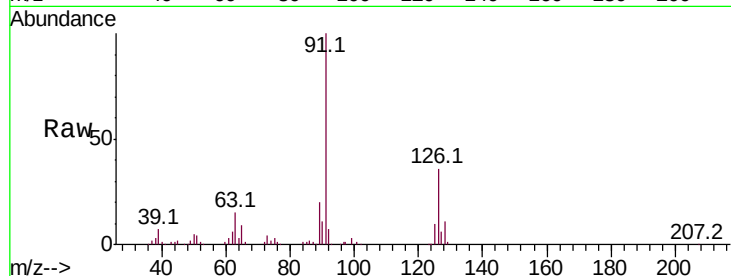
VD1015SBS01

Tot Ion: 91 Resp: 216735

Ion Ratio Lower Upper

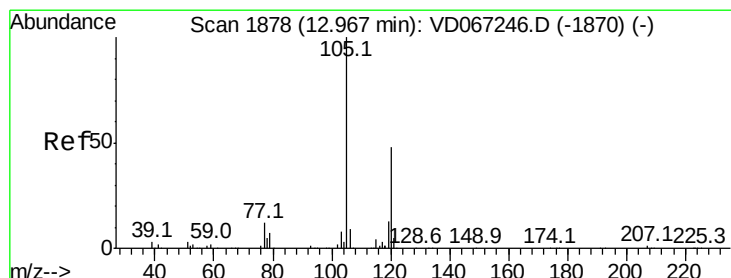
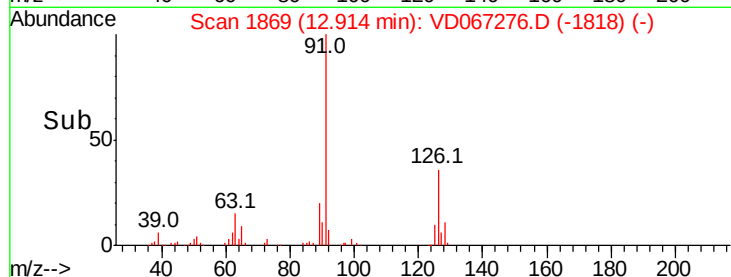
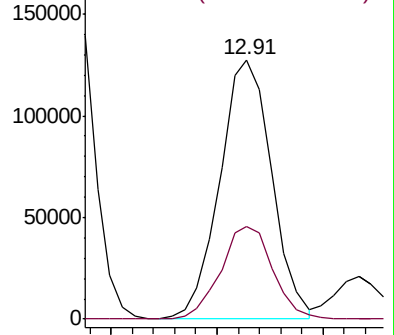
91 100

126 36.0 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#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

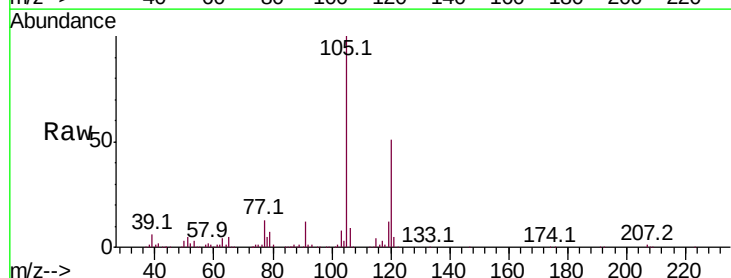
Acq: 15 Oct 2020 11:55

Tgt Ion:105 Resp: 284167

Ion Ratio Lower Upper

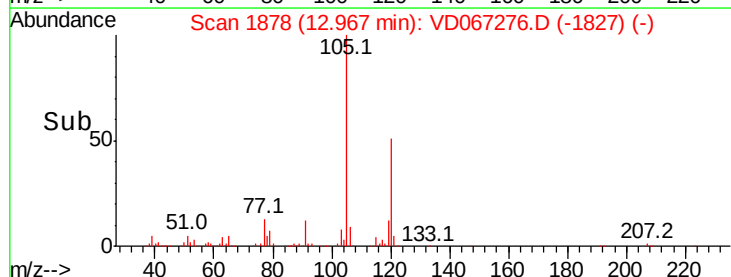
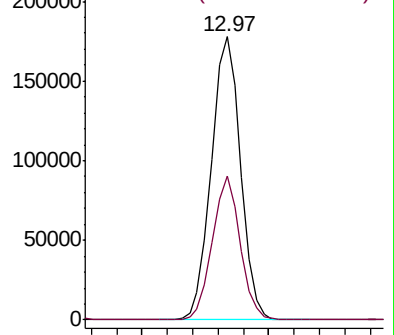
105 100

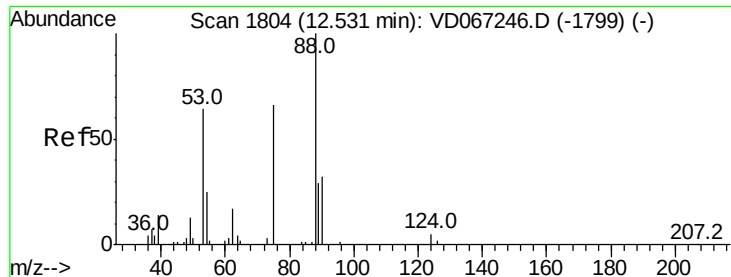
120 48.3 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#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

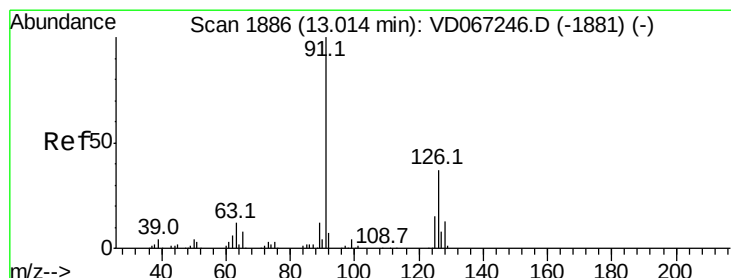
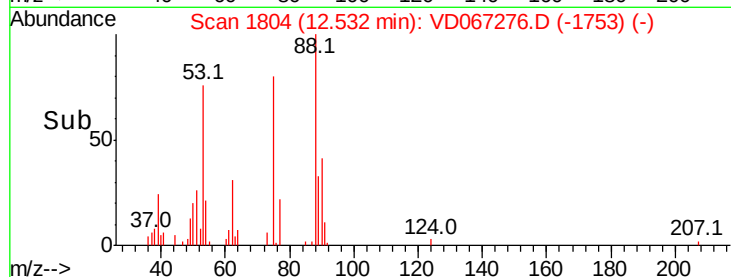
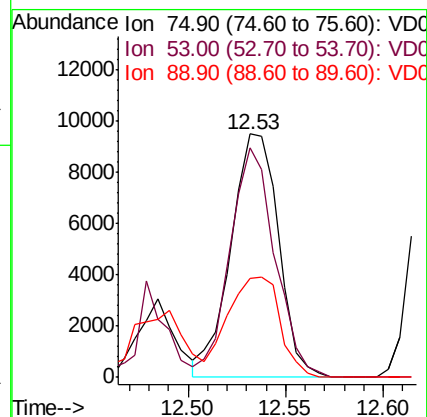
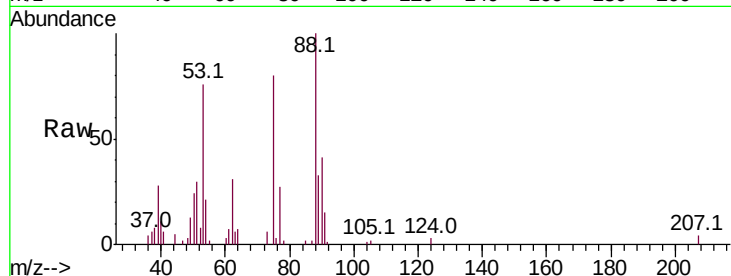
Tot Ion: 75 Resp: 16093

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

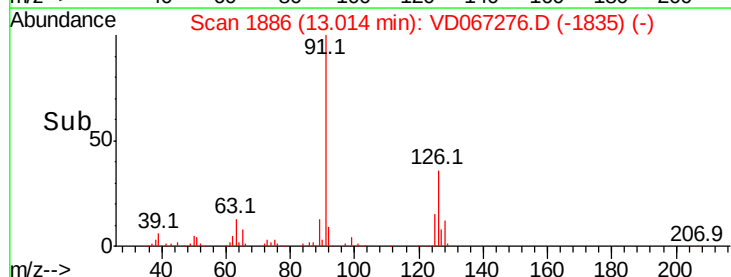
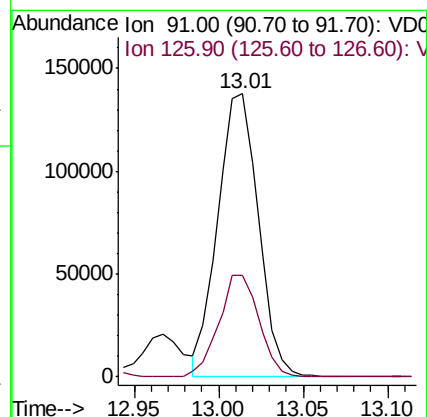
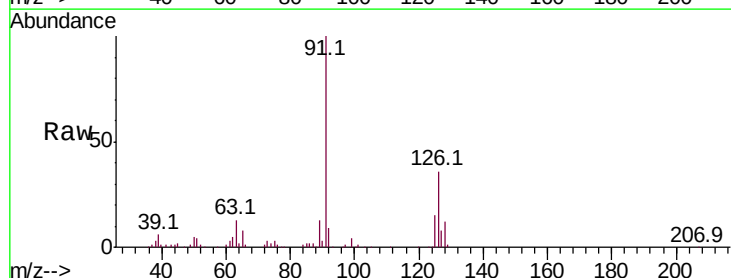
Acq: 15 Oct 2020 11:55

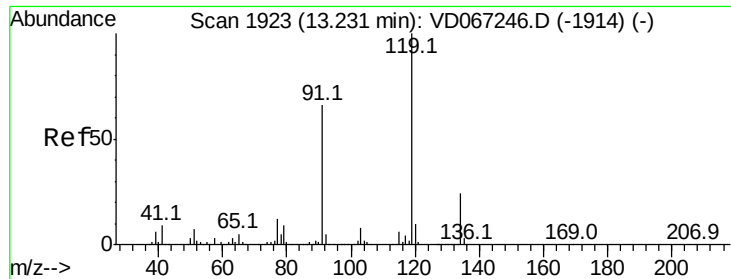
Tgt Ion: 91 Resp: 230495

Ion Ratio Lower Upper

91 100

126 35.7 17.8 53.5

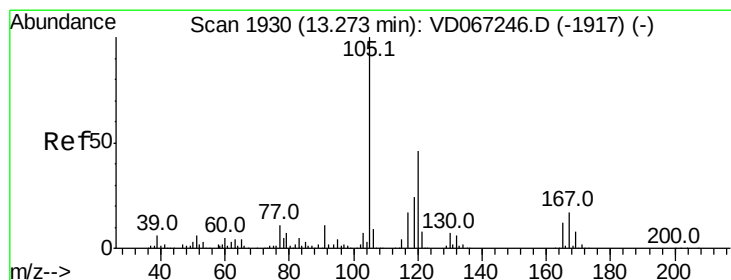
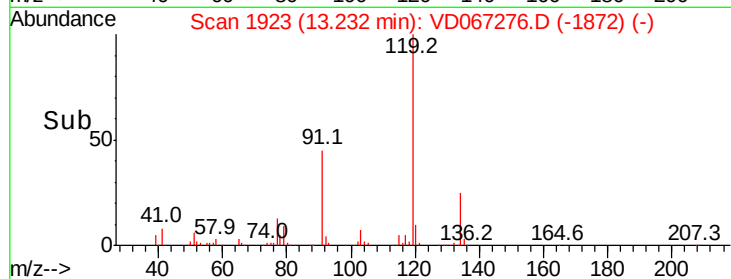
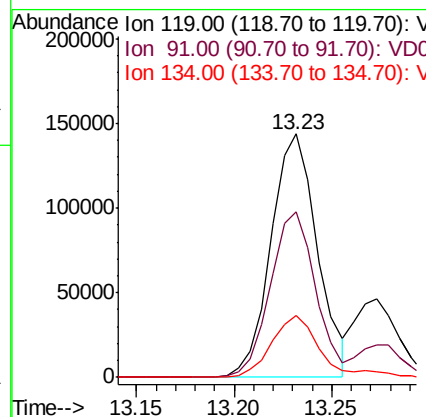
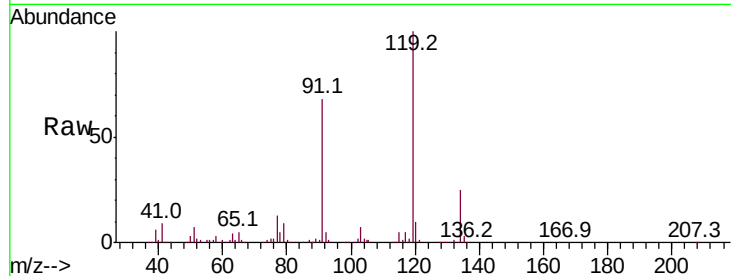




#83
 tert-Butylbenzene
 Concen: 20.915 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD067276.D
 Acq: 15 Oct 2020 11:55

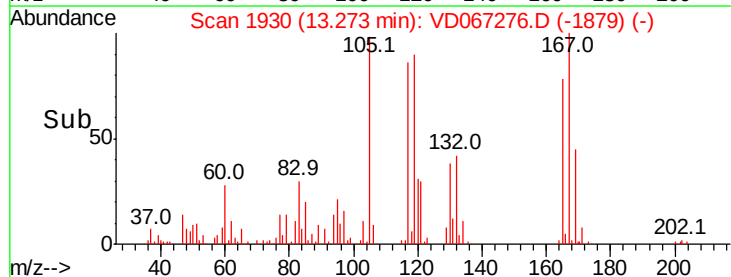
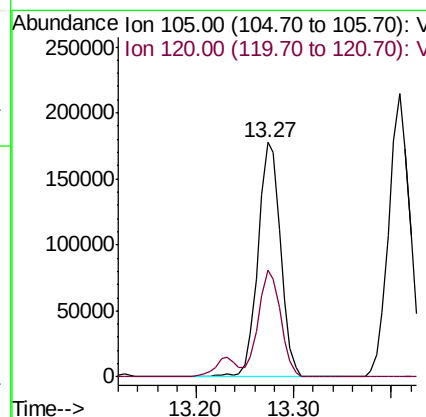
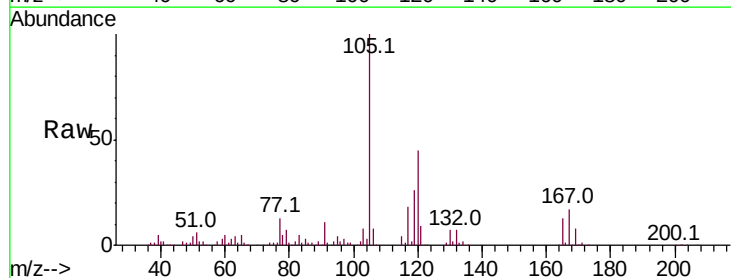
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

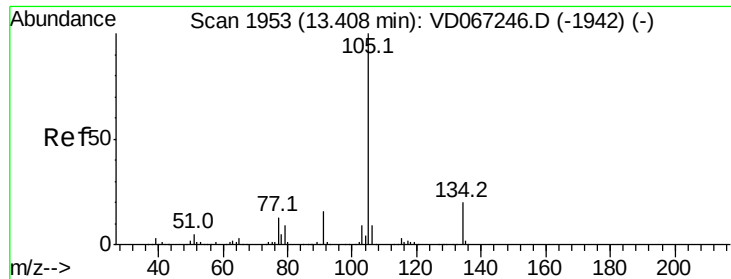
Tot Ion	Ratio	Lower	Upper
119	100		
91	66.2	33.1	99.2
134	26.9	13.3	39.9



#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	Ratio	Lower	Upper
105	100		
120	44.6	22.4	67.3

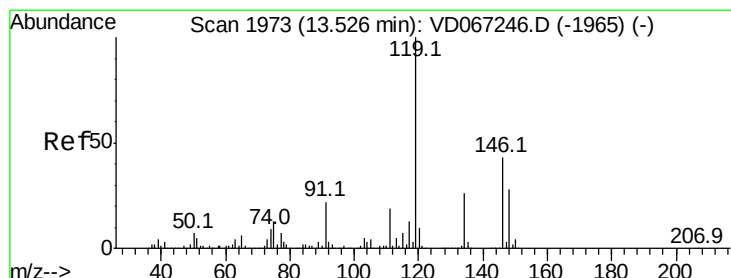
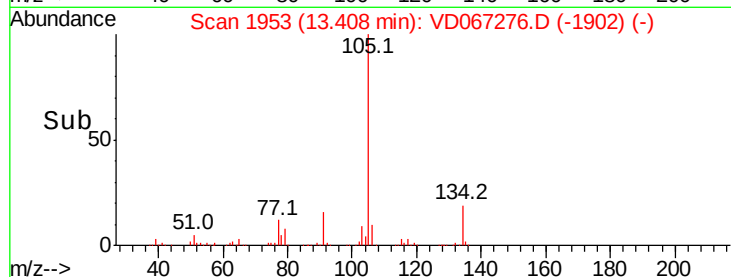
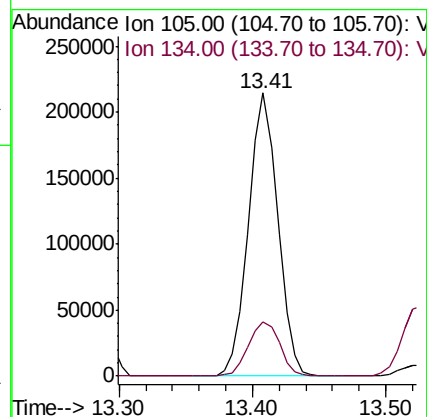
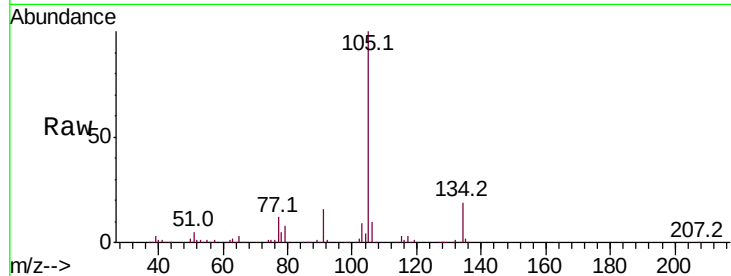




#85
 sec-Butylbenzene
 Concen: 20.906 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067276.D
 Acq: 15 Oct 2020 11:55

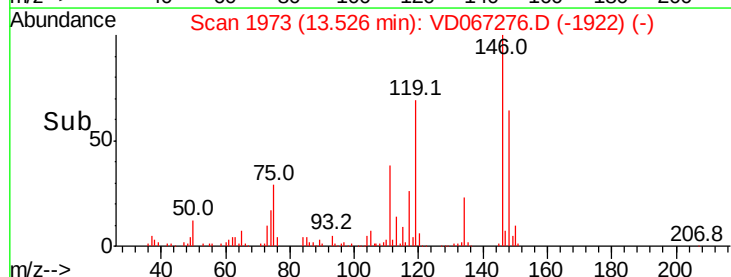
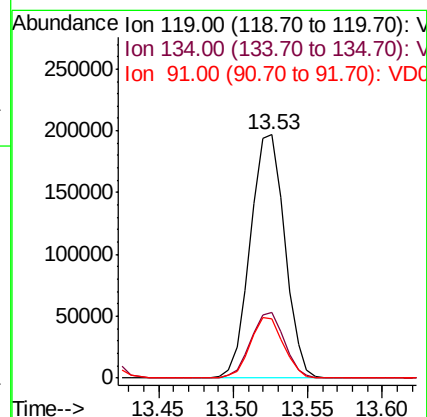
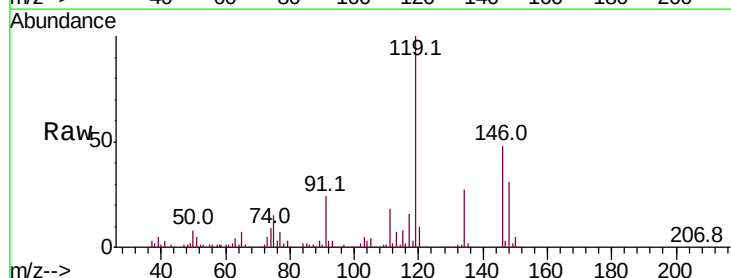
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

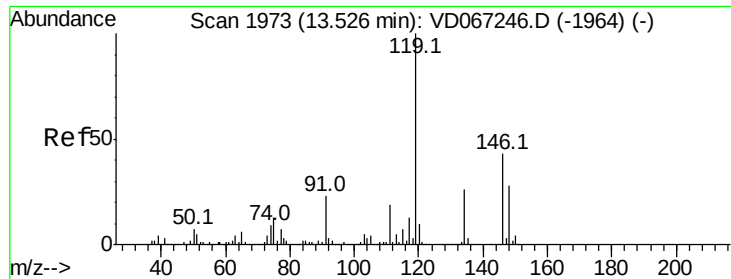
Tot Ion:105 Resp: 325109
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.5 31.5



#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

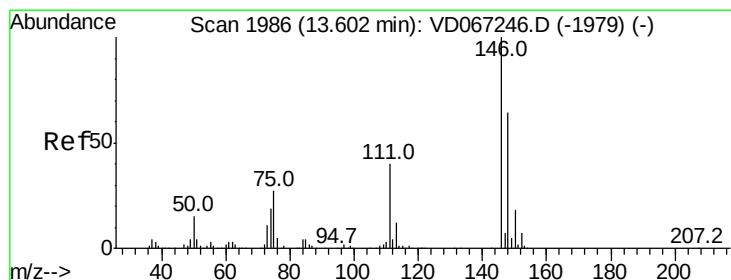
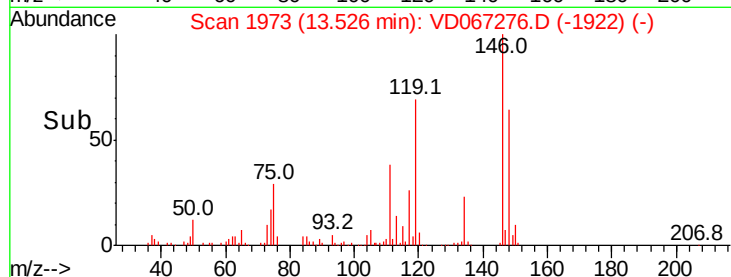
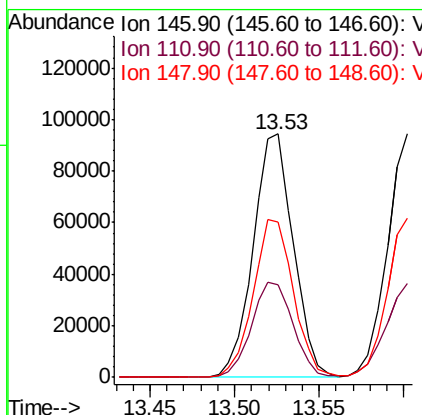
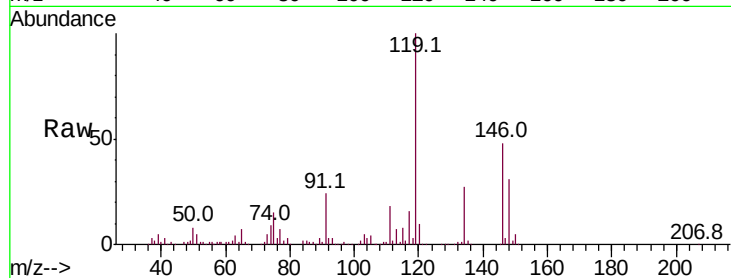




#87
 1,3-Dichlorobenzene
 Concen: 20.973 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD067276.D
 Acq: 15 Oct 2020 11:55

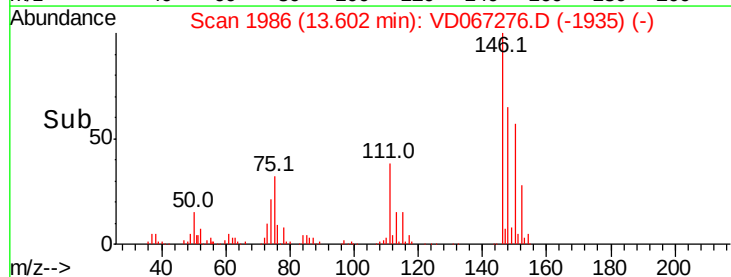
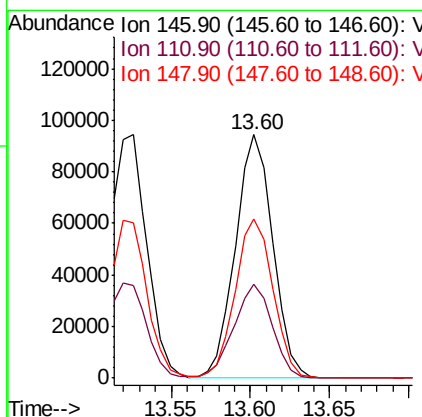
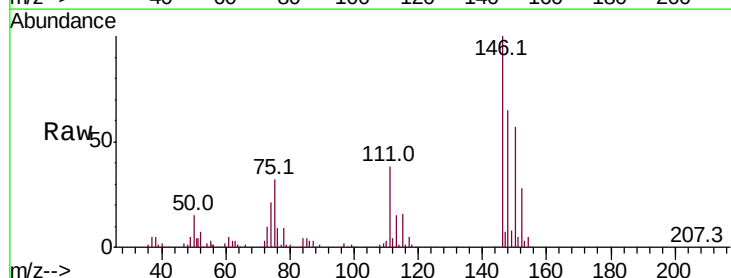
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

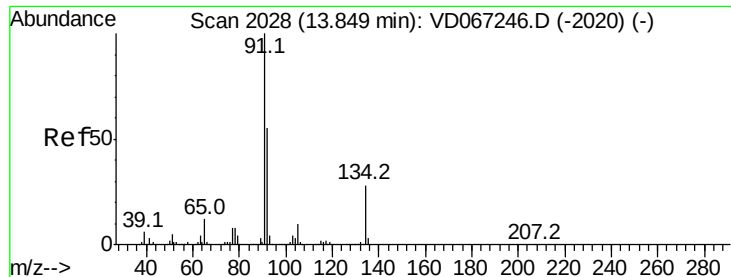
Tot Ion:146 Resp: 155387
 Ion Ratio Lower Upper
 146 100
 111 40.4 21.1 63.3
 148 65.0 31.9 95.9



#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

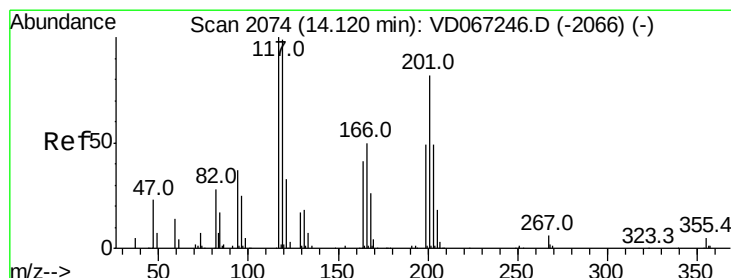
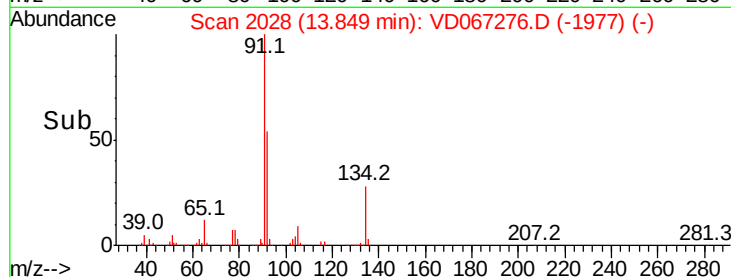
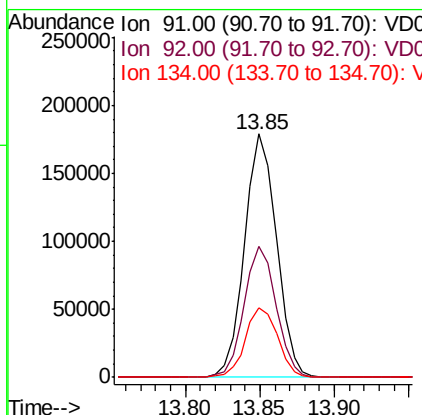
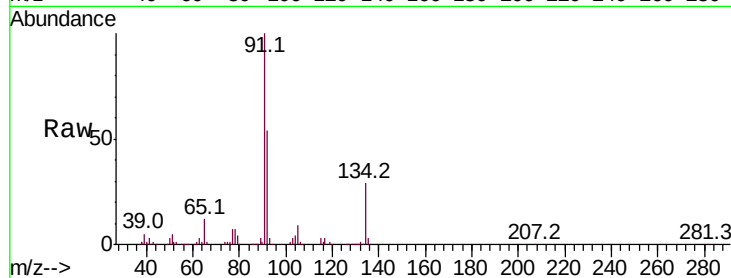




#89
n-Butylbenzene
Concen: 20.564 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067276.D
Acq: 15 Oct 2020 11:55

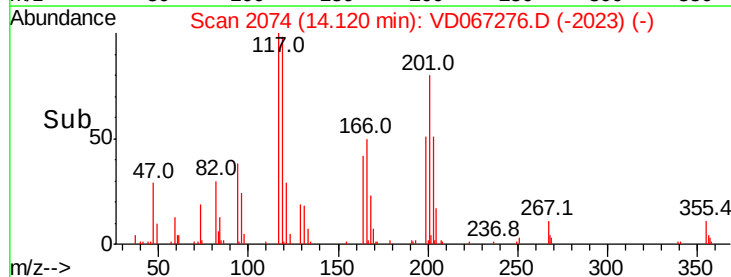
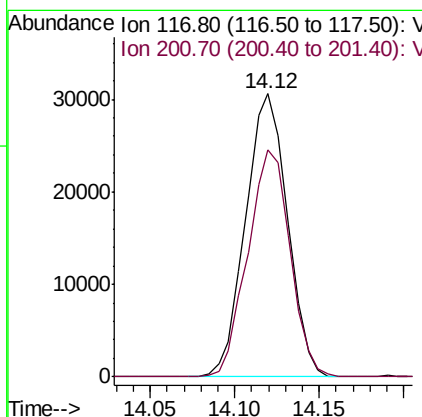
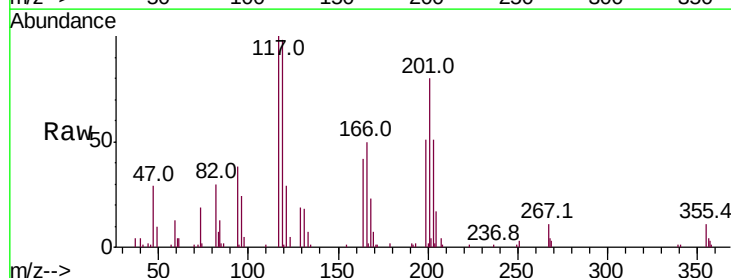
Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

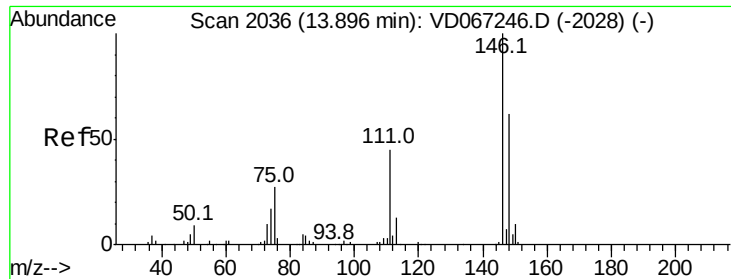
Tot Ion: 91 Resp: 265542
Ion Ratio Lower Upper
91 100
92 53.9 26.7 80.0
134 29.0 14.2 42.6



#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

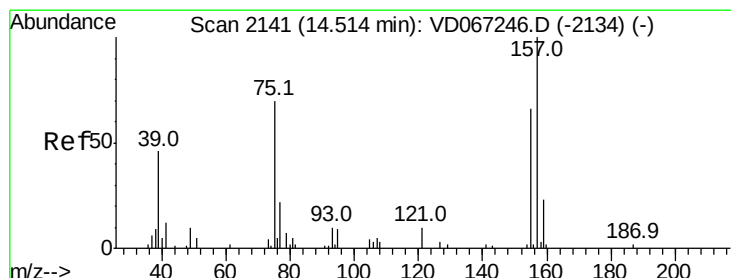
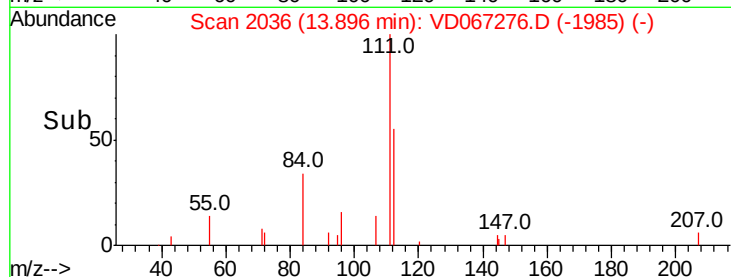
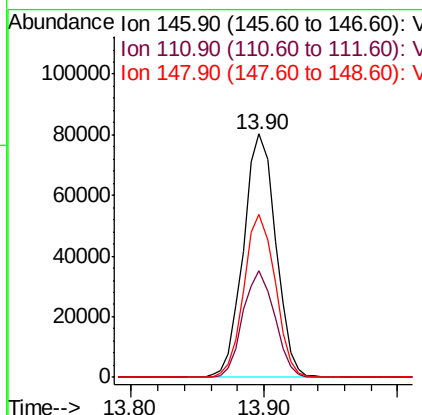
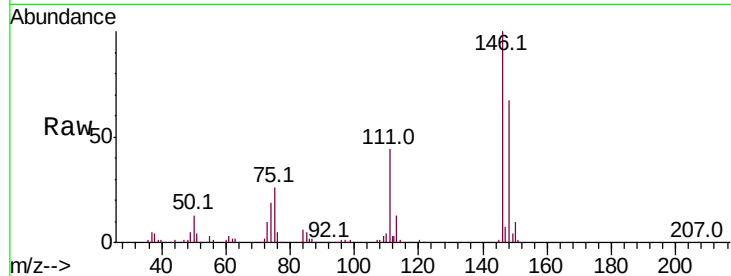




#91
 1,2-Dichlorobenzene
 Concen: 20.734 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067276.D
 Acq: 15 Oct 2020 11:55

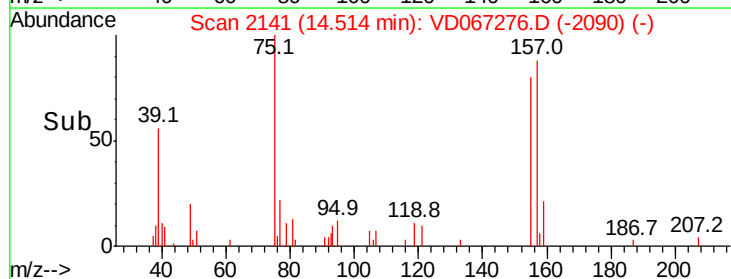
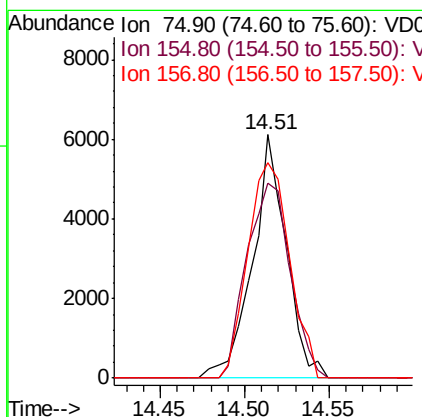
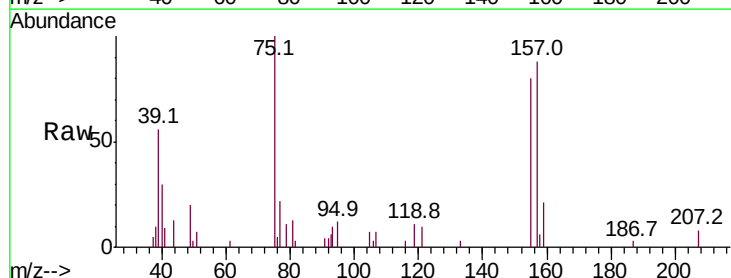
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

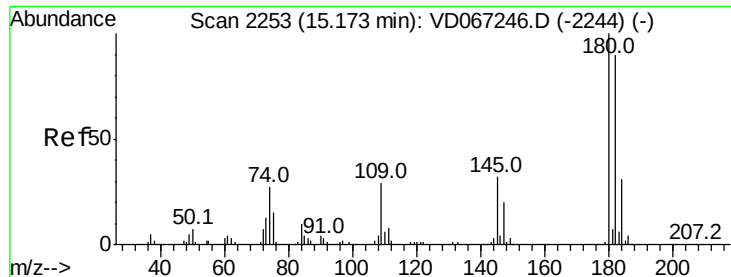
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	22.0	66.0
148	65.0	32.5	97.5



#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

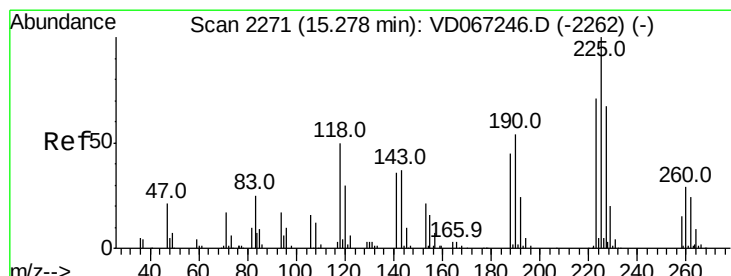
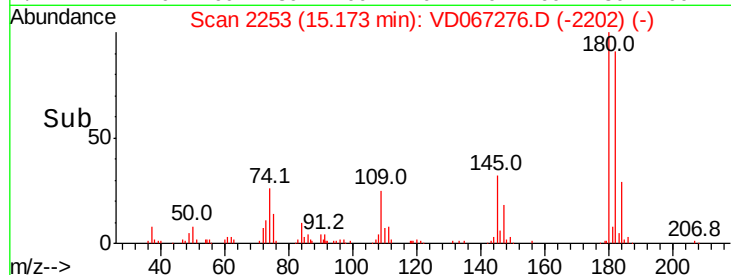
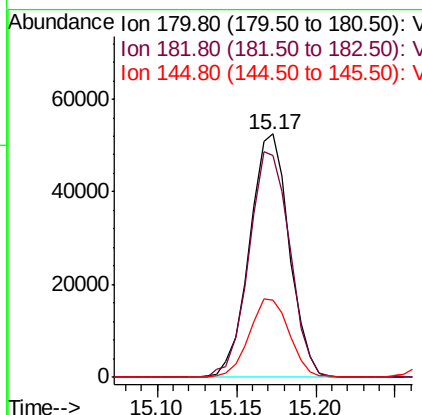
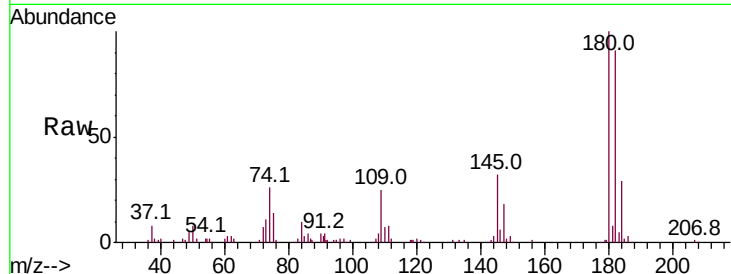




#93
 1,2,4-Trichlorobenzene
 Concen: 20.909 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067276.D
 Acq: 15 Oct 2020 11:55

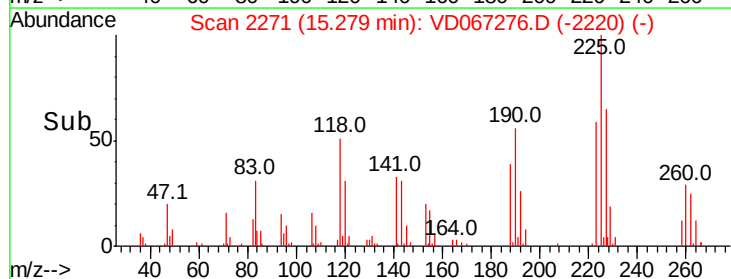
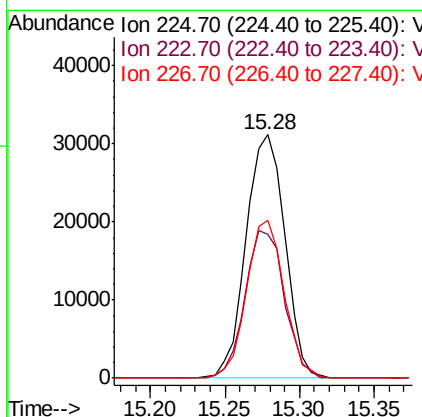
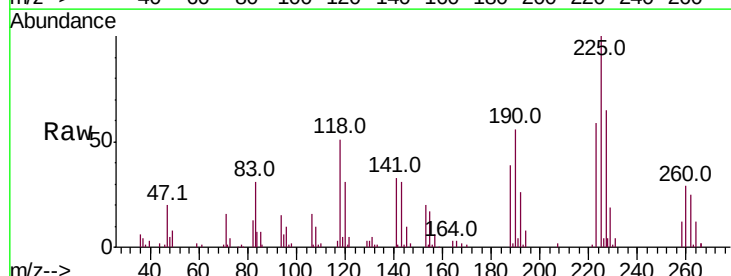
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

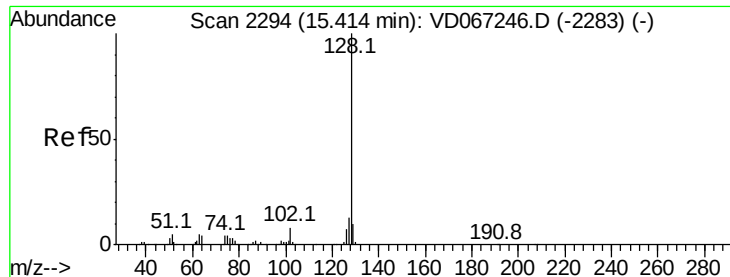
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	48.1	144.4
145	32.7	16.3	48.9



#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	Ratio	Lower	Upper
225	100		
223	61.1	31.9	95.7
227	62.6	31.2	93.6





#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

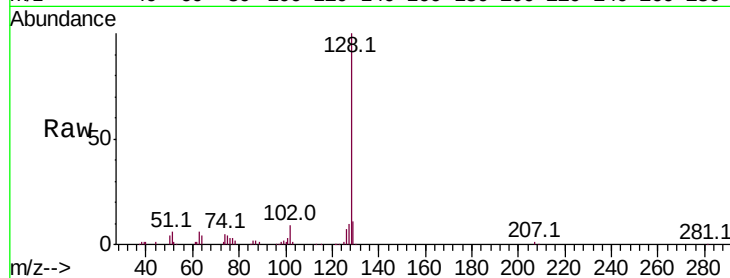
Tot Ion:128 Resp: 141236

Ion Ratio Lower Upper

128 100

127 12.7 10.4 15.6

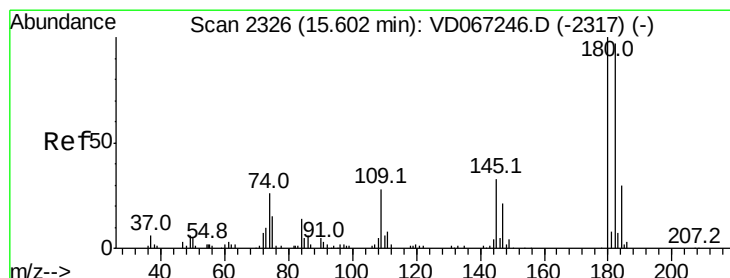
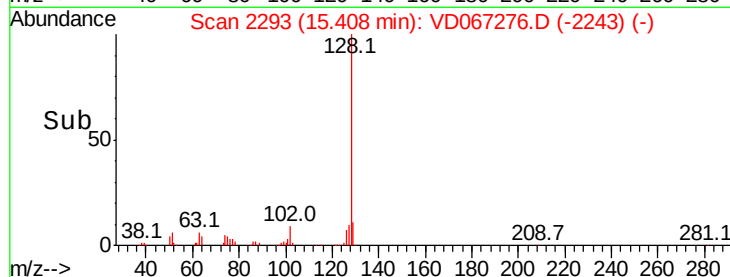
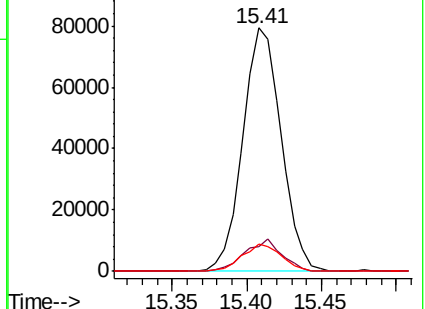
129 11.4 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 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

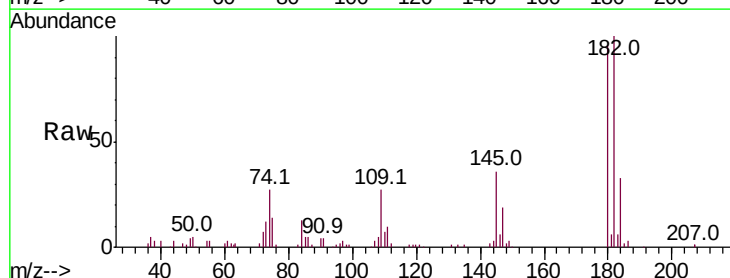
Tgt Ion:180 Resp: 78173

Ion Ratio Lower Upper

180 100

182 96.2 48.1 144.3

145 35.1 17.3 51.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

