

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102820\
 Data File : VD067431.D
 Acq On : 28 Oct 2020 13:58
 Operator : VA/SY
 Sample : VD1028SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1028SBS01

Quant Time: Oct 29 00:44:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	313742	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	464035	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	432442	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	220822	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	152582	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
35) Dibromofluoromethane	7.92	113	155866	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
50) Toluene-d8	10.34	98	573975	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
62) 4-Bromofluorobenzene	12.64	95	196254	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	55364	19.299	ug/l	96
3) Chloromethane	2.21	50	38915	19.708	ug/l	100
4) Vinyl Chloride	2.35	62	40895	18.876	ug/l	100
5) Bromomethane	2.76	94	32246	19.978	ug/l	92
6) Chloroethane	2.91	64	25360	18.796	ug/l	99
7) Trichlorofluoromethane	3.27	101	114835	21.050	ug/l	96
8) Diethyl Ether	3.71	74	24528	19.649	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.10	101	61035	21.058	ug/l	98
10) Methyl Iodide	4.30	142	50758	18.984	ug/l	94
11) Tert butyl alcohol	5.20	59	12466	37.530	ug/l #	81
12) 1,1-Dichloroethene	4.07	96	52896	20.428	ug/l	99
13) Acrolein	3.91	56	9593	68.304	ug/l	95
14) Allyl chloride	4.72	41	60179	20.294	ug/l	99
15) Acrylonitrile	5.43	53	43422	104.246	ug/l	98
16) Acetone	4.16	43	43875	99.669	ug/l	94
17) Carbon Disulfide	4.40	76	142016	19.239	ug/l	99
18) Methyl Acetate	4.72	43	20118	20.037	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	106521	20.689	ug/l	97
20) Methylene Chloride	4.97	84	68020	21.570	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	60002	20.136	ug/l	94
22) Diisopropyl ether	6.37	45	119070	21.981	ug/l	93
23) Vinyl Acetate	6.31	43	325549	105.636	ug/l	100
24) 1,1-Dichloroethane	6.26	63	100051	21.577	ug/l	98
25) 2-Butanone	7.21	43	52619	104.862	ug/l	90
26) 2,2-Dichloropropane	7.21	77	99109	20.737	ug/l	97
27) cis-1,2-Dichloroethene	7.22	96	69044	21.142	ug/l	99
28) Bromochloromethane	7.55	49	30388	19.213	ug/l #	94
29) Tetrahydrofuran	7.57	42	28837	103.382	ug/l	94
30) Chloroform	7.71	83	119600	21.591	ug/l	96
31) Cyclohexane	7.99	56	71569	19.769	ug/l #	94
32) 1,1,1-Trichloroethane	7.90	97	121247	22.309	ug/l	98
36) 1,1-Dichloropropene	8.11	75	85378	21.708	ug/l	99
37) Ethyl Acetate	7.29	43	25588	22.113	ug/l	94
38) Carbon Tetrachloride	8.10	117	107756	21.437	ug/l	94

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 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	85566	20.811	ug/l	95
40) Benzene	8.36	78	233991	21.686	ug/l	99
41) Methacrylonitrile	7.53	41	15033	24.041	ug/l #	74
42) 1,2-Dichloroethane	8.43	62	74038	21.927	ug/l	98
43) Isopropyl Acetate	8.46	43	48706	21.212	ug/l	98
44) Trichloroethene	9.11	130	72325	20.936	ug/l	91
45) 1,2-Dichloropropane	9.39	63	54825	21.925	ug/l	99
46) Dibromomethane	9.48	93	33955	21.794	ug/l	96
47) Bromodichloromethane	9.67	83	90019	21.565	ug/l	97
48) Methyl methacrylate	9.46	41	22814	20.446	ug/l	99
49) 1,4-Dioxane	9.47	88	6766	431.488	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	122899	107.314	ug/l	100
52) Toluene	10.41	92	168015	22.863	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	77784	21.213	ug/l	94
54) cis-1,3-Dichloropropene	10.10	75	93433	21.772	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	48453	22.806	ug/l	95
56) Ethyl methacrylate	10.66	69	46941	21.304	ug/l	99
57) 1,3-Dichloropropane	10.95	76	74546	22.048	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.95	63	117170	103.659	ug/l	97
59) 2-Hexanone	10.99	43	84127	107.501	ug/l	99
60) Dibromochloromethane	11.14	129	68185	22.007	ug/l	99
61) 1,2-Dibromoethane	11.25	107	45240	21.599	ug/l	99
64) Tetrachloroethene	10.88	164	68373	21.822	ug/l	96
65) Chlorobenzene	11.67	112	182972	22.065	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	74339	22.555	ug/l	98
67) Ethyl Benzene	11.75	91	315883	22.222	ug/l	97
68) m/p-Xylenes	11.86	106	244613	44.687	ug/l	98
69) o-Xylene	12.18	106	109933	21.688	ug/l	95
70) Styrene	12.20	104	192318	22.040	ug/l	99
71) Bromoform	12.37	173	38043	21.486	ug/l #	100
73) Isopropylbenzene	12.48	105	313530	22.371	ug/l	100
74) N-amyl acetate	12.29	43	44329	20.943	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	44175	20.571	ug/l	95
76) 1,2,3-Trichloropropane	12.79	75	62988	41.155	ug/l #	100
77) Bromobenzene	12.77	156	75624	21.644	ug/l	98
78) n-propylbenzene	12.83	91	358155	22.057	ug/l	100
79) 2-Chlorotoluene	12.91	91	206880	21.969	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	269189	22.103	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	14197	21.035	ug/l	99
82) 4-Chlorotoluene	13.01	91	218719	21.884	ug/l	99
83) tert-Butylbenzene	13.23	119	226987	22.064	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	267717	22.241	ug/l	99
85) sec-Butylbenzene	13.41	105	313464	22.206	ug/l	100
86) p-Isopropyltoluene	13.52	119	291795	21.900	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	151012	22.455	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	148176	22.239	ug/l	99
89) n-Butylbenzene	13.85	91	255791	21.822	ug/l	100
90) Hexachloroethane	14.11	117	51424	22.117	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	128000	21.787	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7595	19.468	ug/l	91

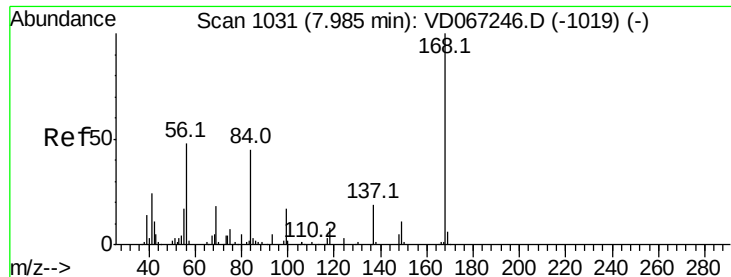
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102820\
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Instrument :
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ClientSampleId :
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Quant Time: Oct 29 00:44:41 2020
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Quant Title : SW846 8260
QLast Update : Mon Oct 19 19:13:29 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	86259	21.776	ug/l	98
94) Hexachlorobutadiene	15.27	225	55459	22.546	ug/l	98
95) Naphthalene	15.40	128	133830	20.578	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	74773	21.850	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Instrument :

MSVOA_D

ClientSampleId :

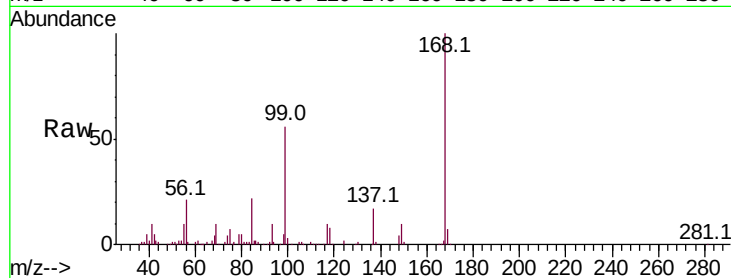
VD1028SBSD01

Tot Ion:168 Resp: 313742

Ion Ratio Lower Upper

168 100

99 55.3 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

150000

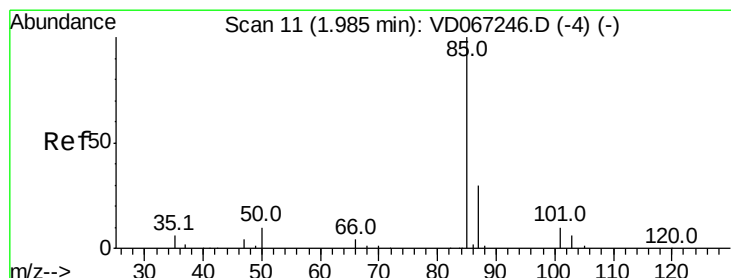
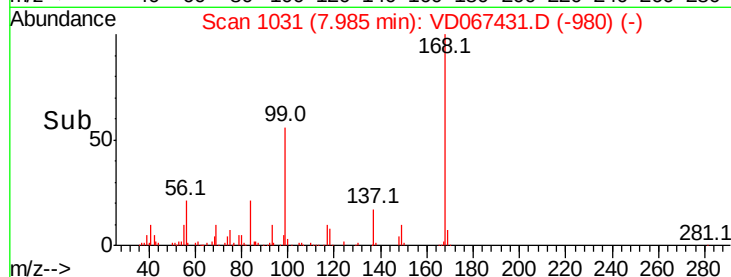
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.299 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067431.D

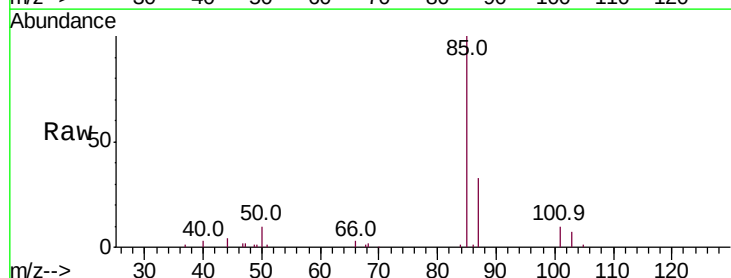
Acq: 28 Oct 2020 13:58

Tgt Ion: 85 Resp: 55364

Ion Ratio Lower Upper

85 100

87 32.6 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

30000

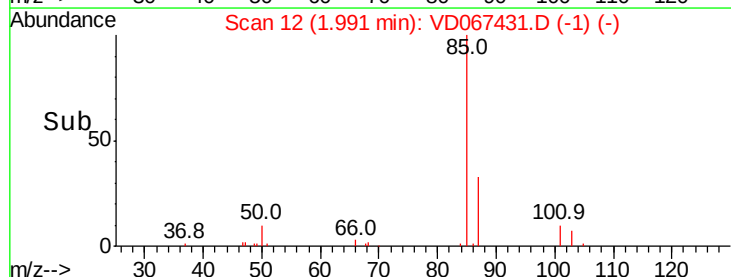
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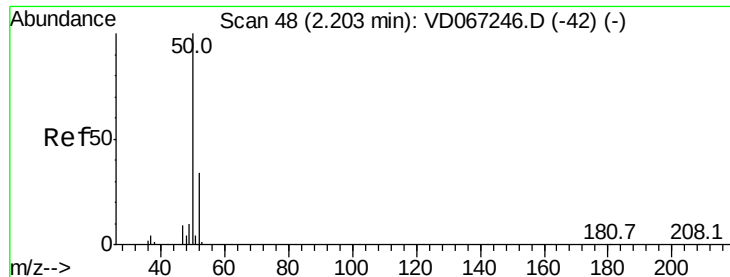
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 19.708 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Instrument :

MSVOA_D

ClientSampleId :

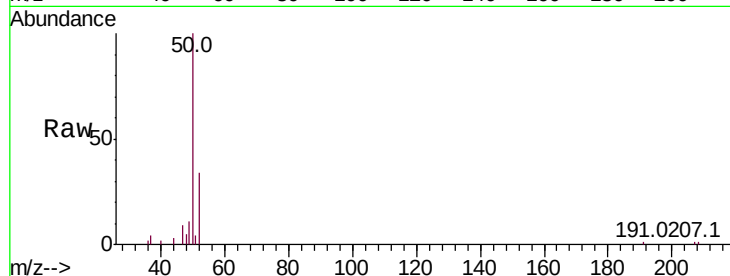
VD1028SBSD01

Tot Ion: 50 Resp: 38915

Ion Ratio Lower Upper

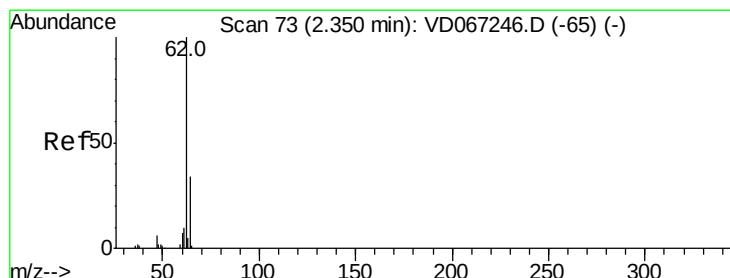
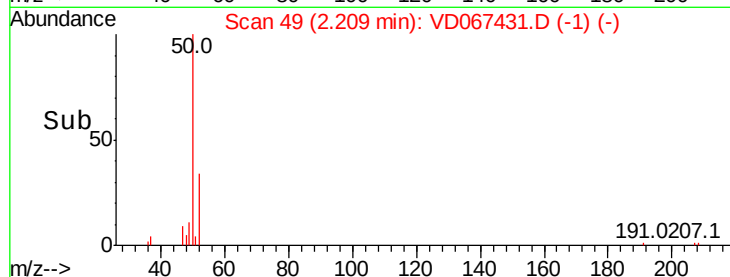
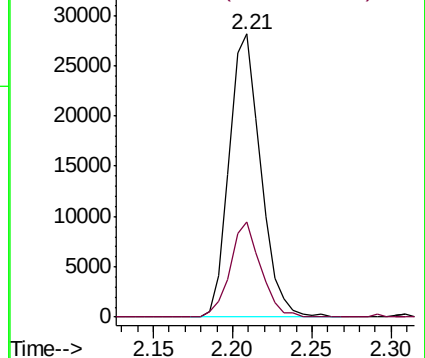
50 100

52 33.7 27.1 40.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.876 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067431.D

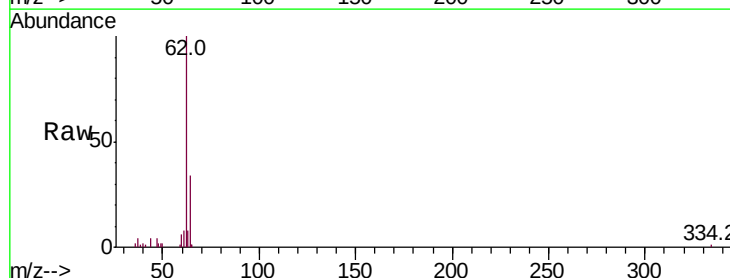
Acq: 28 Oct 2020 13:58

Tgt Ion: 62 Resp: 40895

Ion Ratio Lower Upper

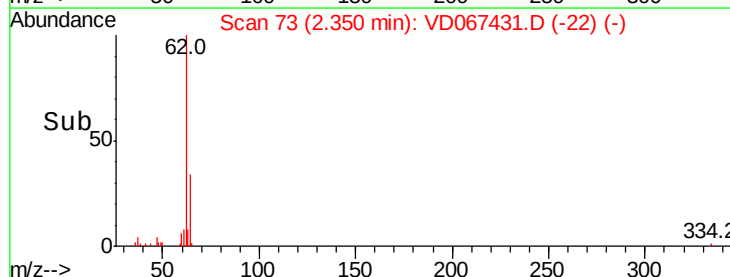
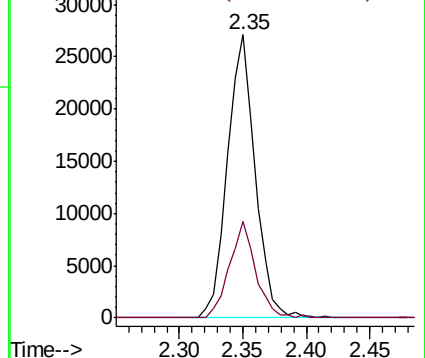
62 100

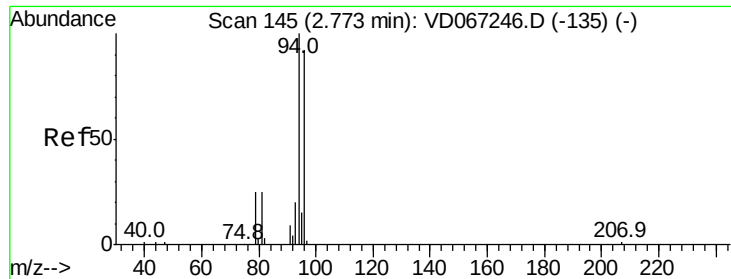
64 34.2 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.978 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Instrument :

MSVOA_D

ClientSampleId :

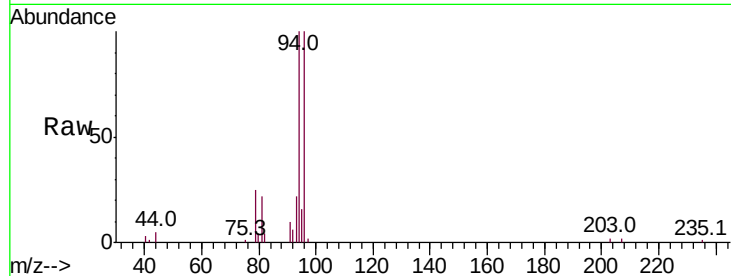
VD1028SBS01

Tot Ion: 94 Resp: 32246

Ion Ratio Lower Upper

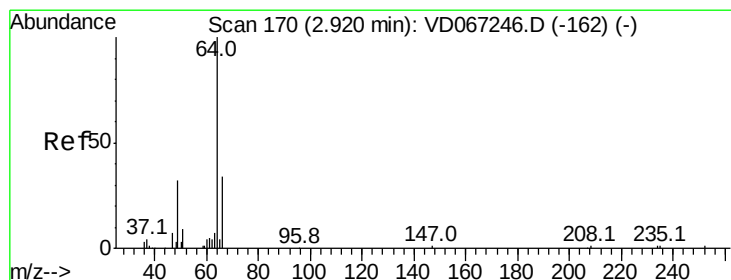
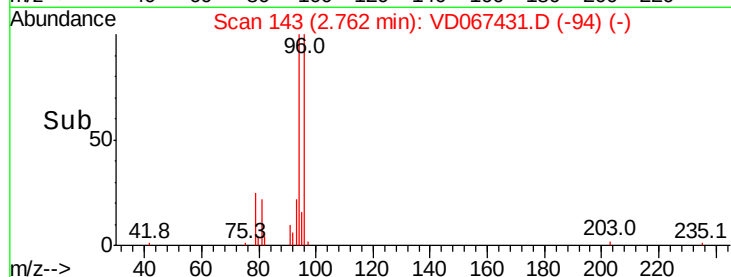
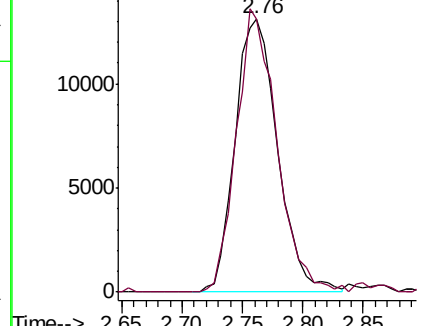
94 100

96 100.0 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: 18.796 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD067431.D

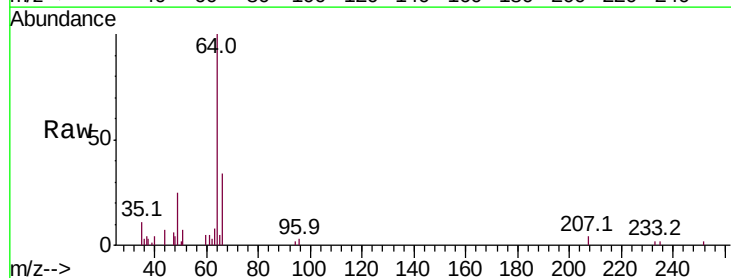
Acq: 28 Oct 2020 13:58

Tgt Ion: 64 Resp: 25360

Ion Ratio Lower Upper

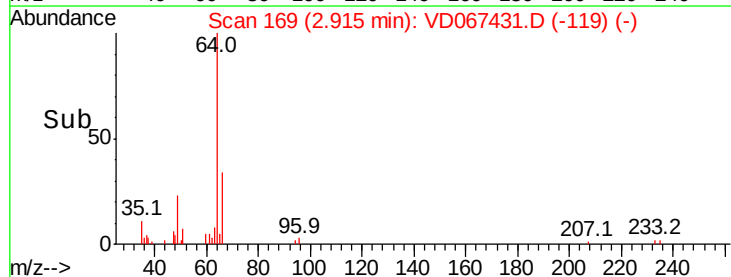
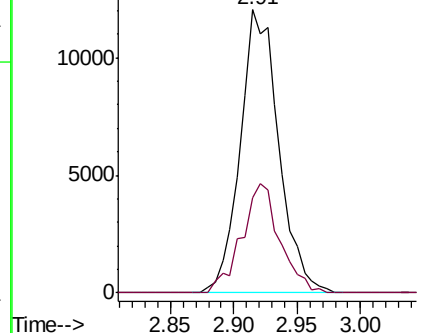
64 100

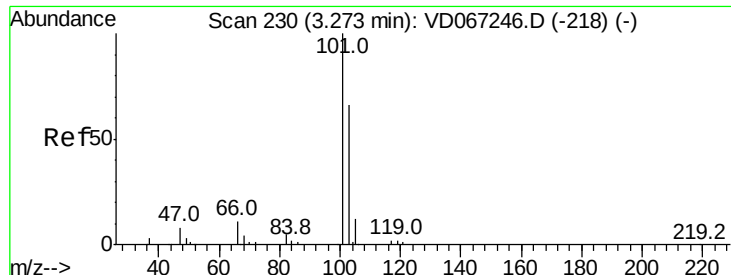
66 33.9 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



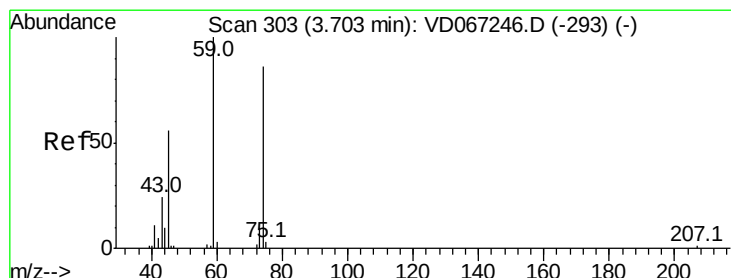
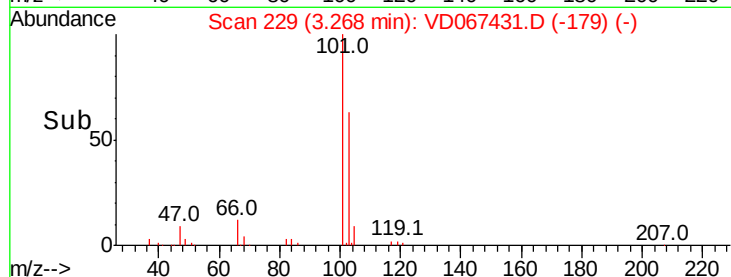
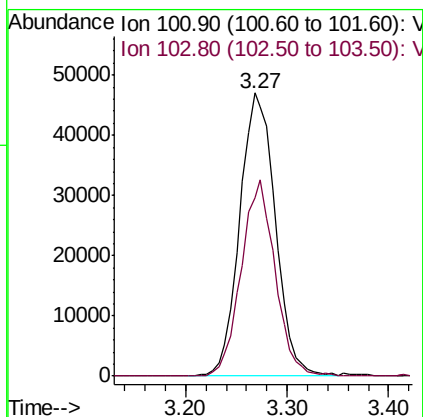
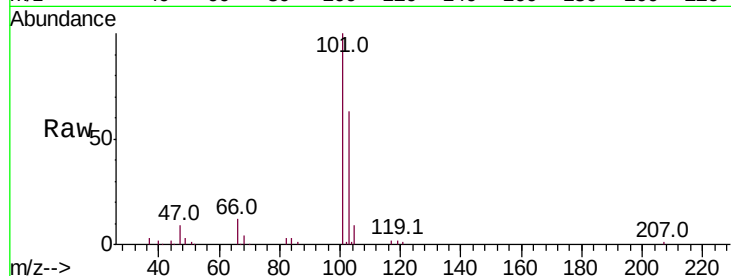


#7

Trichlorofluoromethane
 Concen: 21.050 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD067431.D
 Acq: 28 Oct 2020 13:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1028SBS01

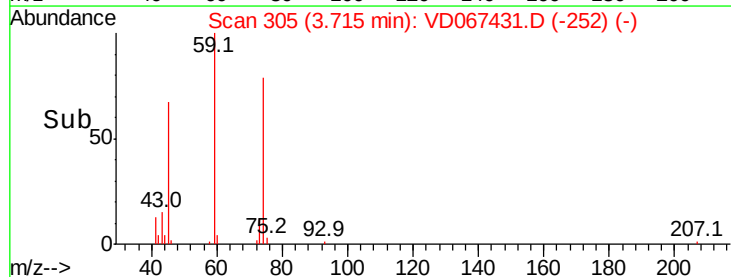
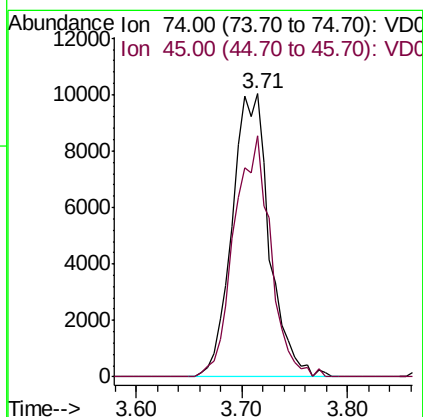
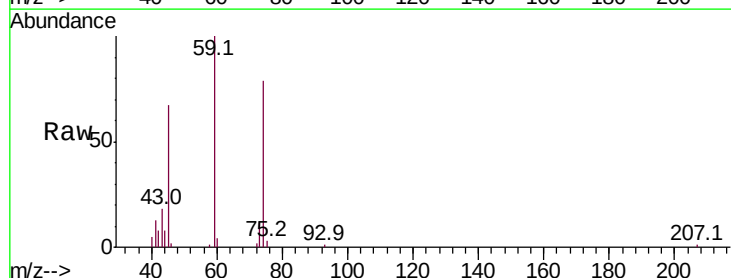
Tot Ion:101 Resp: 114835
 Ion Ratio Lower Upper
 101 100
 103 62.8 53.1 79.7

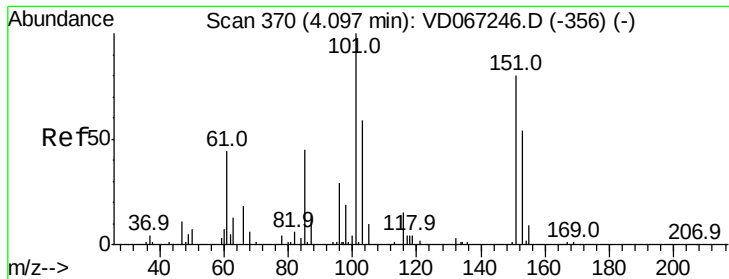


#8

Diethyl Ether
 Concen: 19.649 ug/l
 RT: 3.71 min Scan# 305
 Delta R.T. 0.01 min
 Lab File: VD067431.D
 Acq: 28 Oct 2020 13:58

Tgt Ion: 74 Resp: 24528
 Ion Ratio Lower Upper
 74 100
 45 83.3 37.0 111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.058 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBSD01

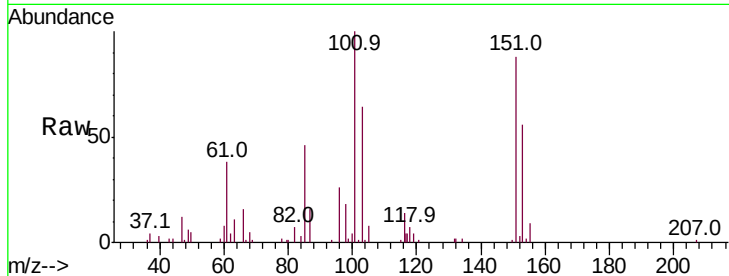
Tot Ion:101 Resp: 61035

Ion Ratio Lower Upper

101 100

85 43.0 34.2 51.4

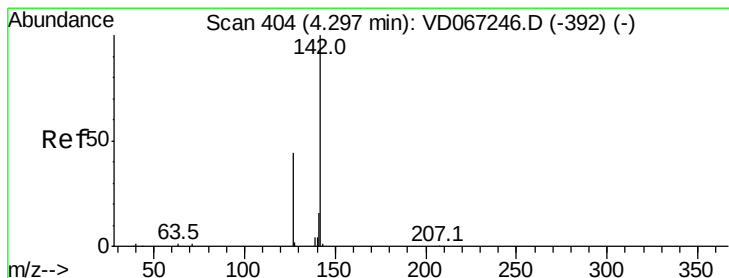
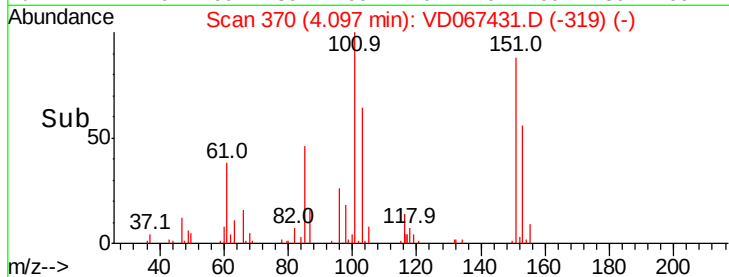
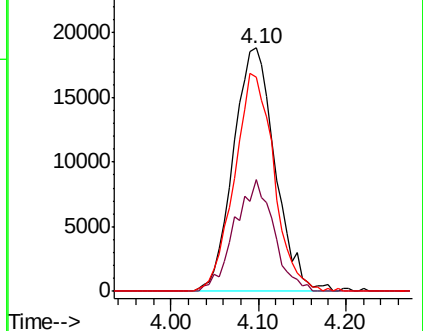
151 84.9 66.3 99.5



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: 18.984 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

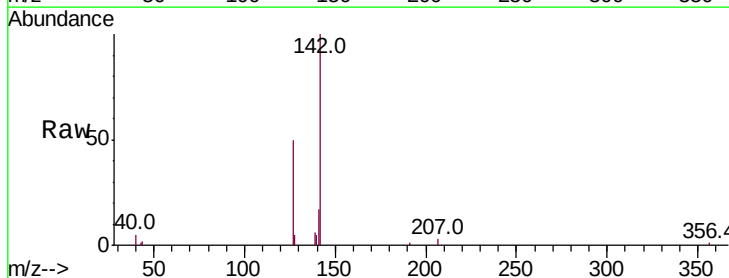
Tgt Ion:142 Resp: 50758

Ion Ratio Lower Upper

142 100

127 52.2 38.4 57.6

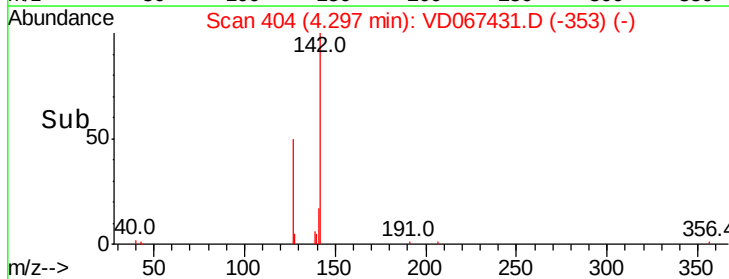
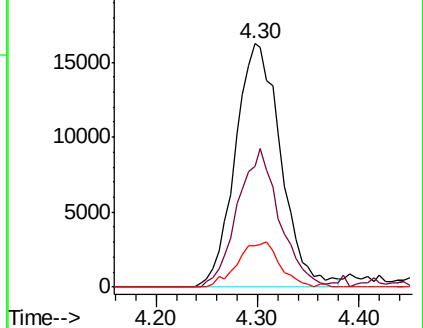
141 17.0 11.6 17.4

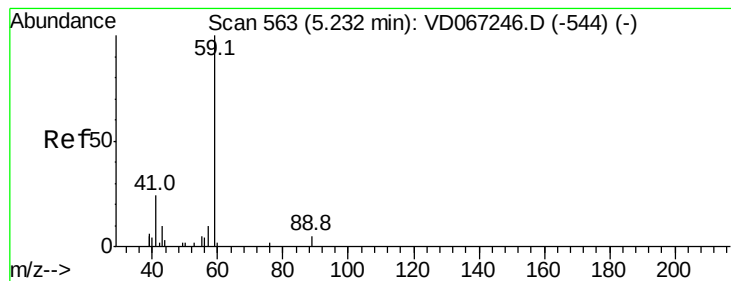


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



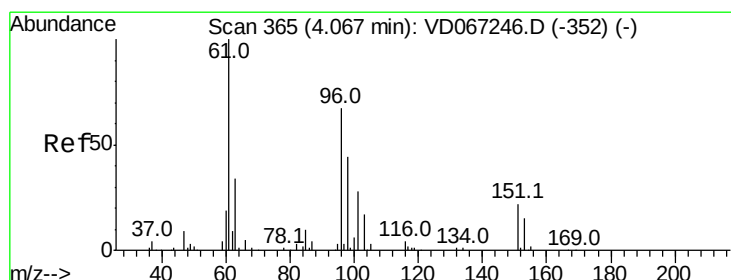
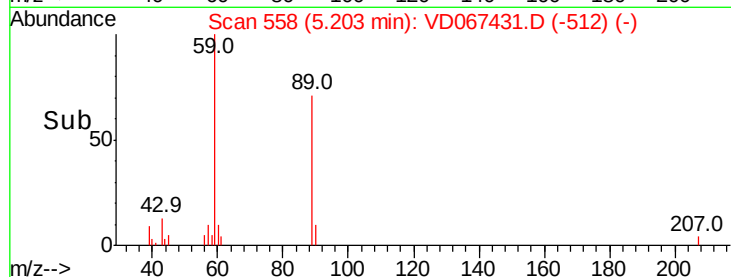
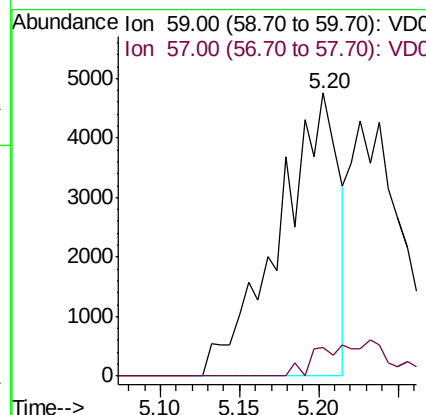
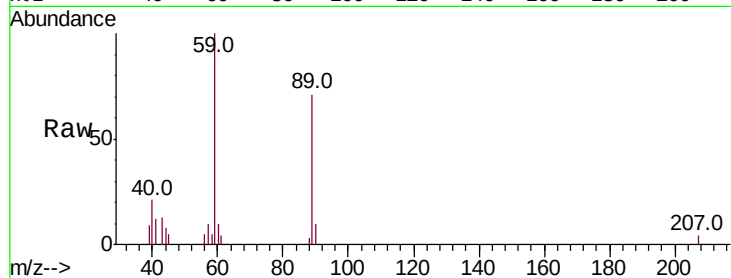


#11

Tert butyl alcohol
 Concen: 37.530 ug/l
 RT: 5.20 min Scan# 558
 Delta R.T. -0.03 min
 Lab File: VD067431.D
 Acq: 28 Oct 2020 13:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1028SBS01

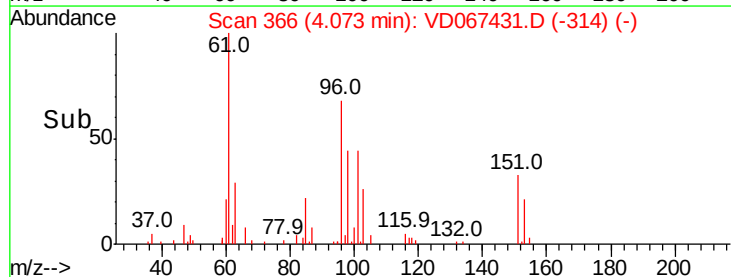
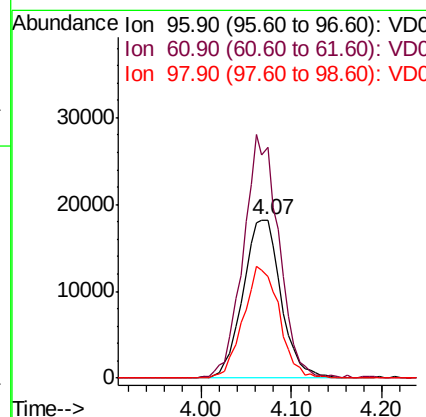
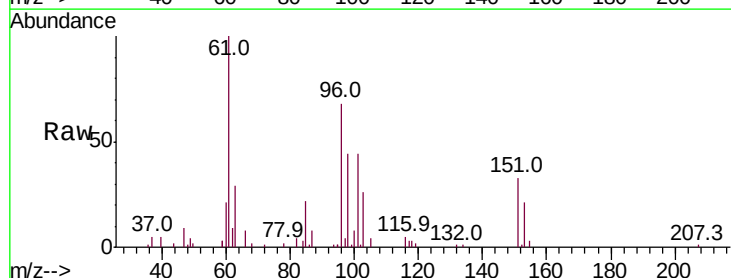
Tot Ion: 59 Resp: 12466
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.1 7.7#

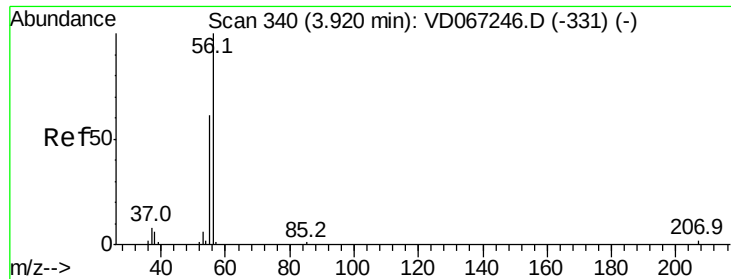


#12

1,1-Dichloroethene
 Concen: 20.428 ug/l
 RT: 4.07 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VD067431.D
 Acq: 28 Oct 2020 13:58

Tgt Ion: 96 Resp: 52896
 Ion Ratio Lower Upper
 96 100
 61 146.4 118.6 177.8
 98 64.5 51.8 77.6





#13

Acrolein

Concen: 68.304 ug/l

RT: 3.91 min Scan# 338

Delta R.T. -0.01 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Instrument :

MSVOA_D

ClientSampleId :

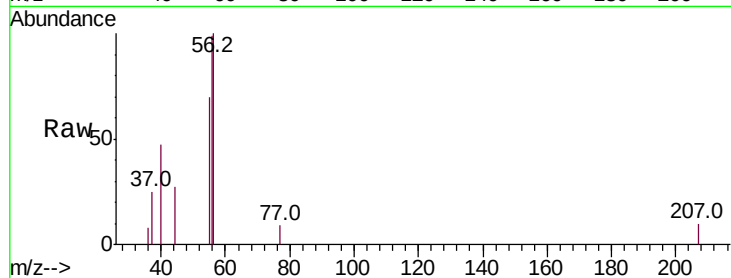
VD1028SBSD01

Tot Ion: 56 Resp: 9593

Ion Ratio Lower Upper

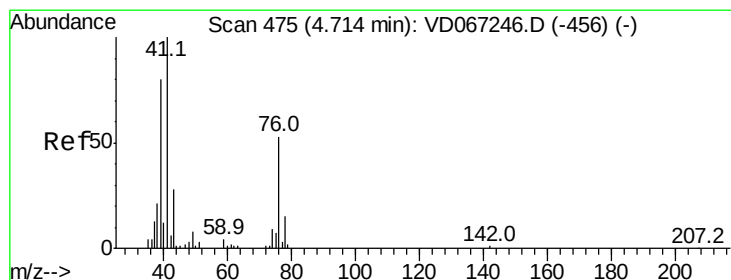
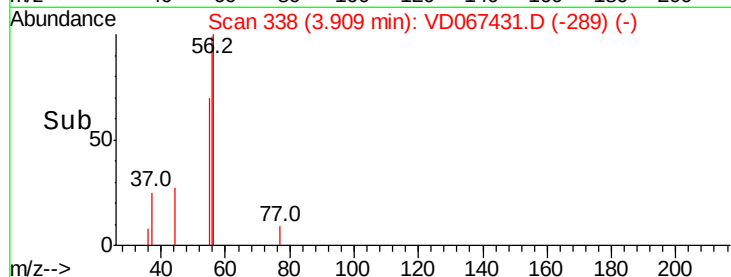
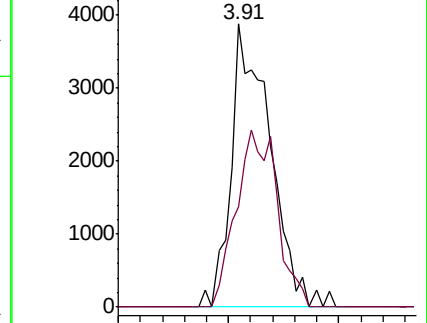
56 100

55 65.9 56.0 84.0



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.294 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

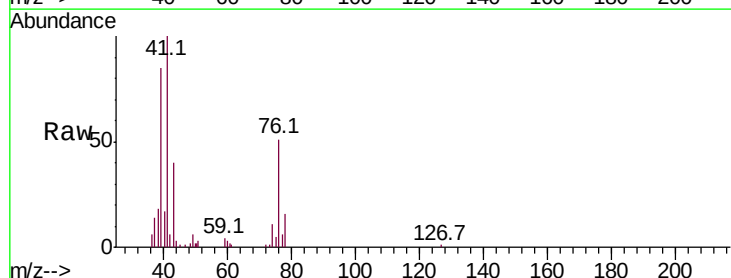
Tgt Ion: 41 Resp: 60179

Ion Ratio Lower Upper

41 100

39 79.2 63.8 95.6

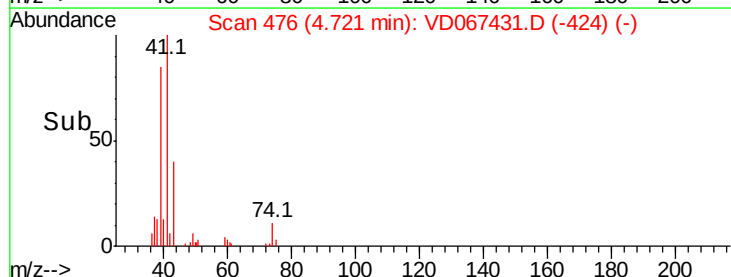
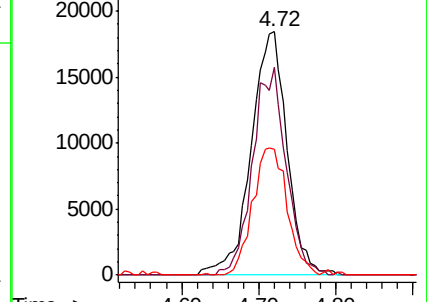
76 50.2 40.4 60.6

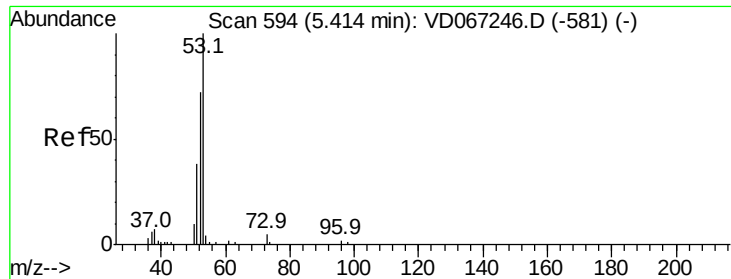


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 104.246 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBS01

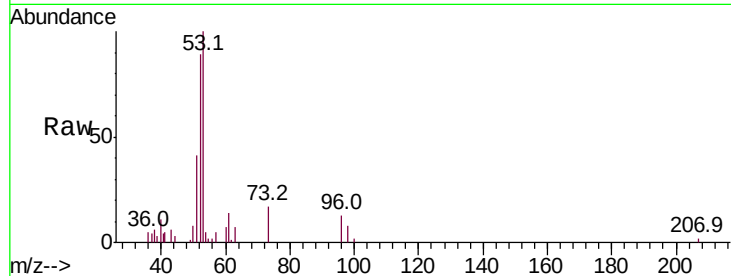
Tot Ion: 53 Resp: 43422

Ion Ratio Lower Upper

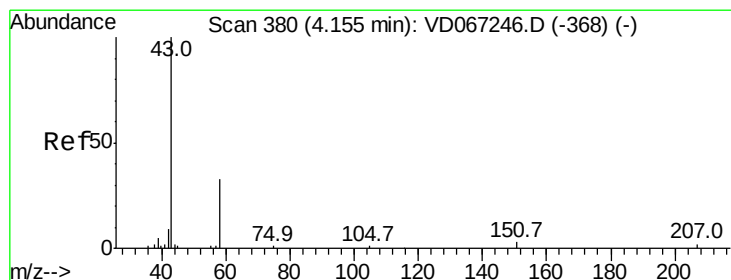
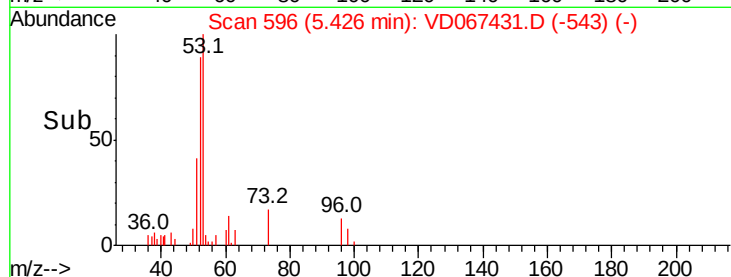
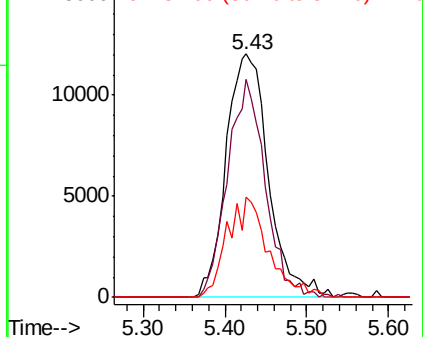
53 100

52 79.7 65.6 98.4

51 39.8 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: 99.669 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067431.D

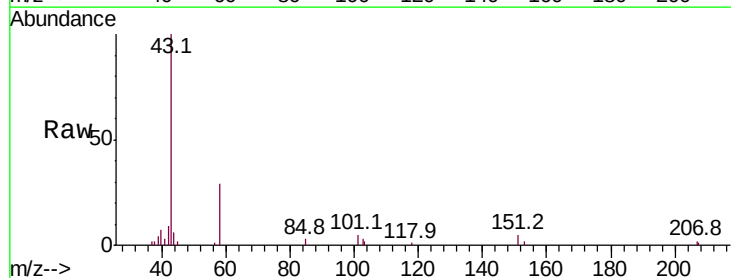
Acq: 28 Oct 2020 13:58

Tgt Ion: 43 Resp: 43875

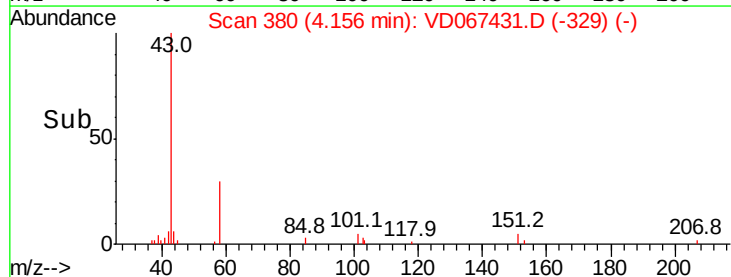
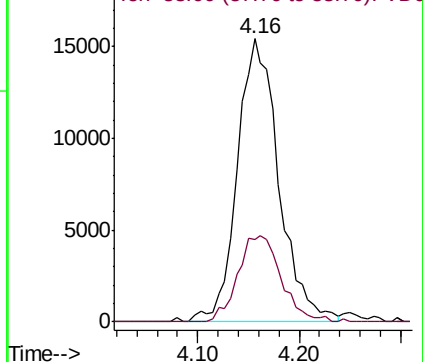
Ion Ratio Lower Upper

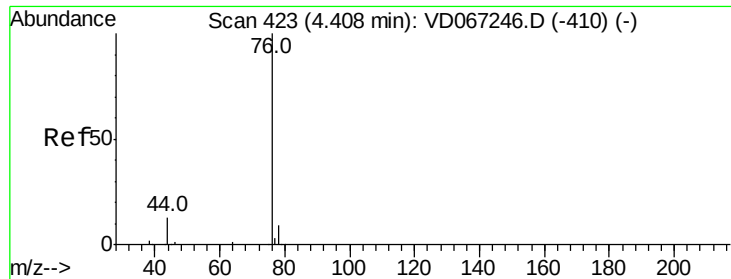
43 100

58 29.3 26.1 39.1



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

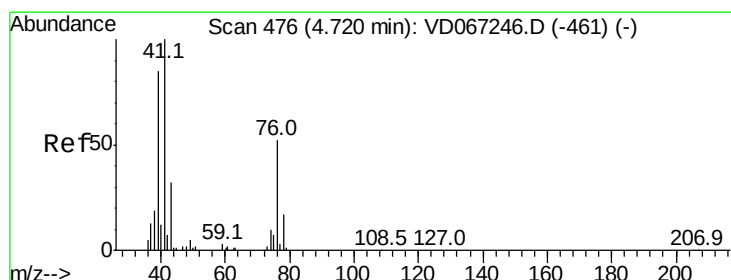
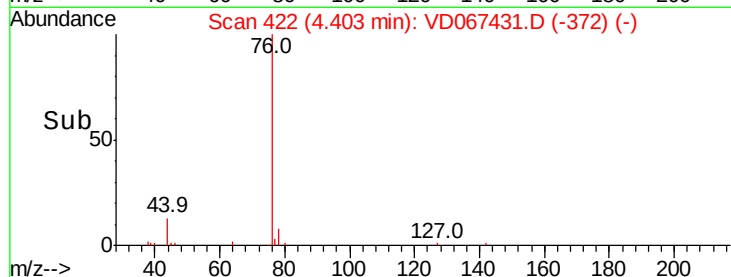
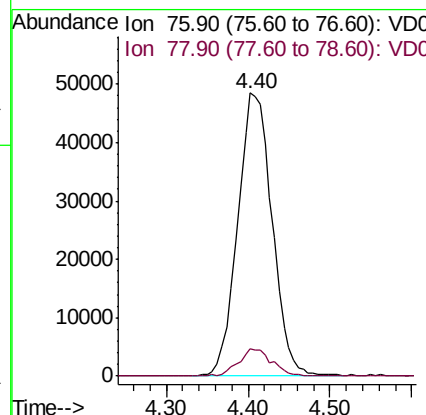
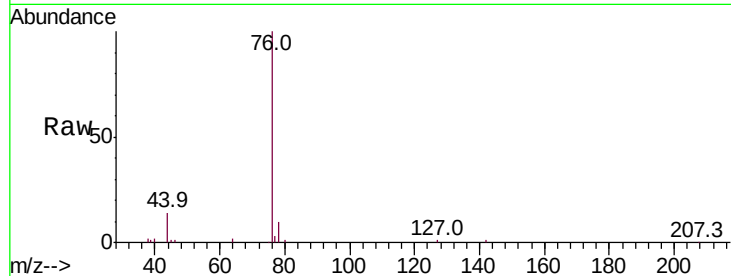




#17
Carbon Disulfide
Concen: 19.239 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

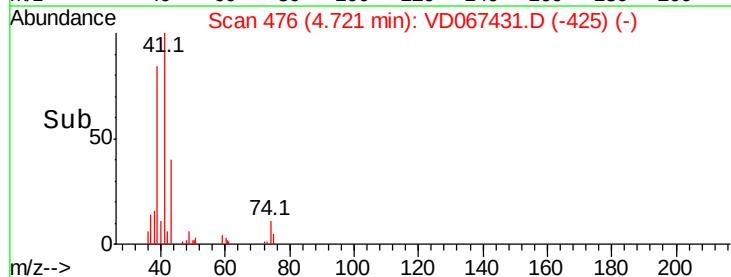
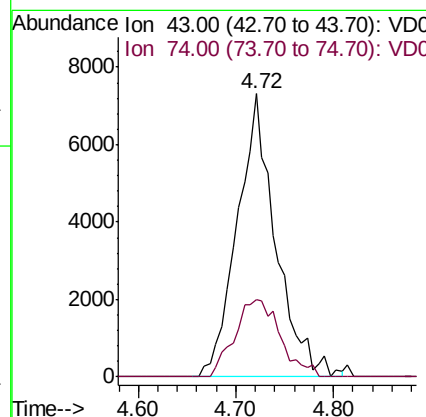
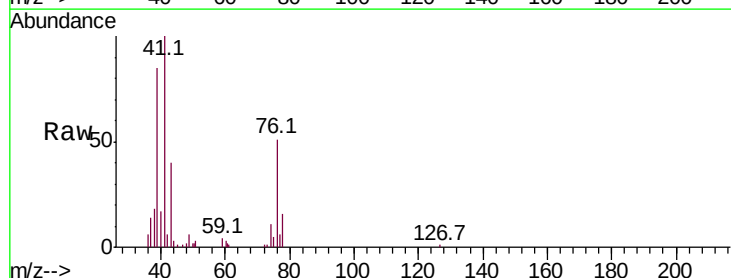
Instrument :
MSVOA_D
ClientSampleId :
VD1028SBSD01

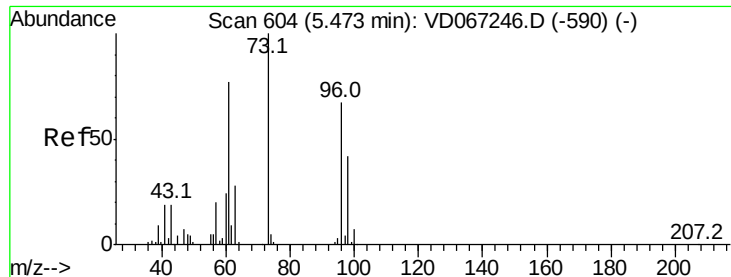
Tot Ion: 76 Resp: 142016
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.0



#18
Methyl Acetate
Concen: 20.037 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Tgt Ion: 43 Resp: 20118
Ion Ratio Lower Upper
43 100
74 32.3 26.6 39.8

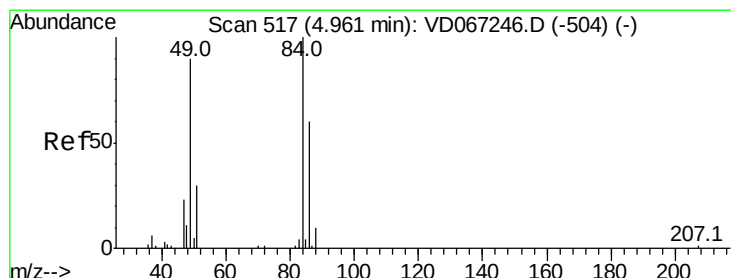
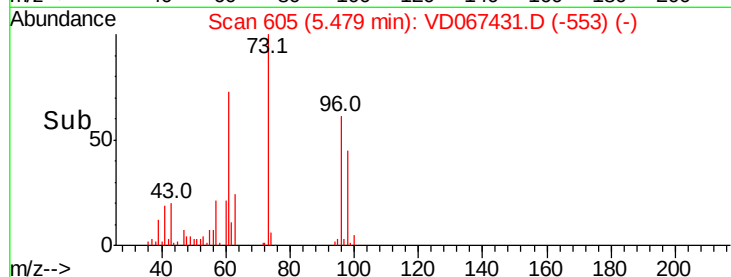
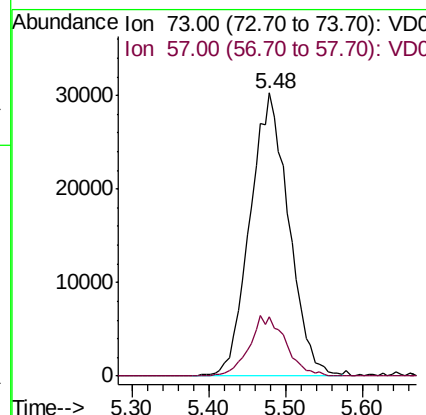
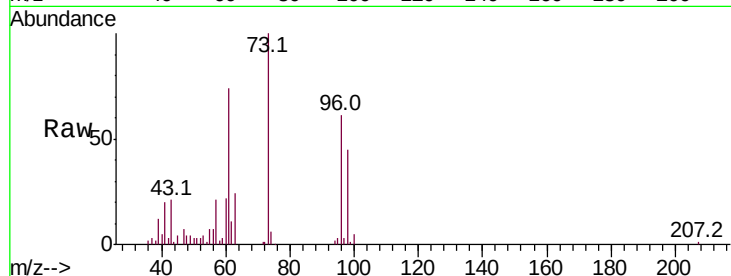




#19
Methyl tert-butyl Ether
Concen: 20.689 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

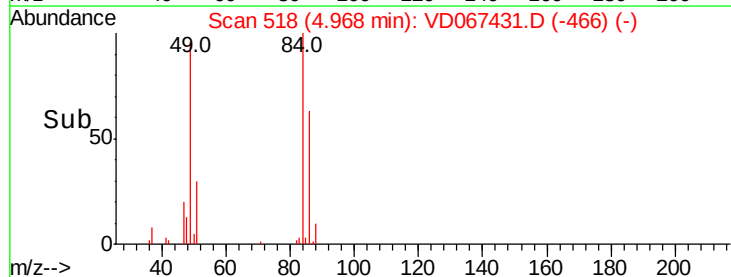
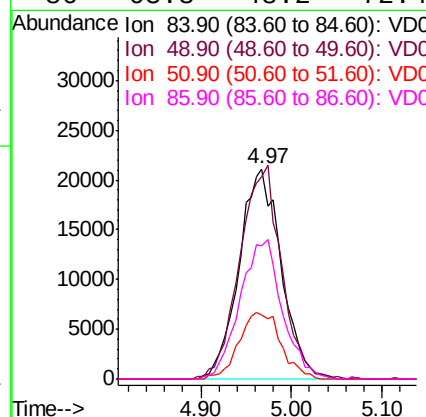
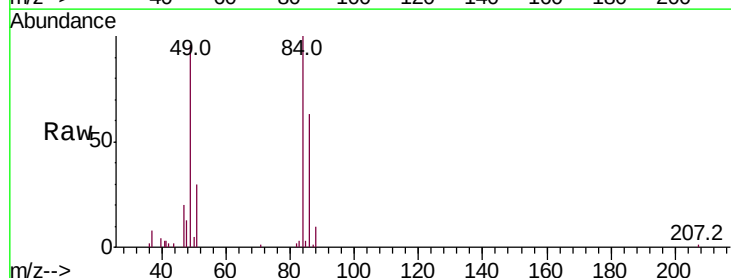
Instrument :
MSVOA_D
ClientSampleId :
VD1028SBSD01

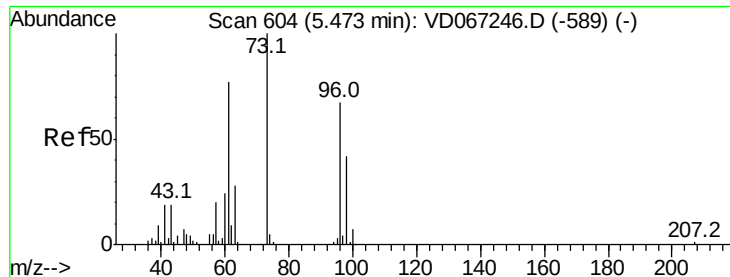
Tot Ion: 73 Resp: 106521
Ion Ratio Lower Upper
73 100
57 21.1 15.7 23.5



#20
Methylene Chloride
Concen: 21.570 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Tgt Ion: 84 Resp: 68020
Ion Ratio Lower Upper
84 100
49 96.3 72.2 108.2
51 30.5 23.8 35.8
86 63.3 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 20.136 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBS01

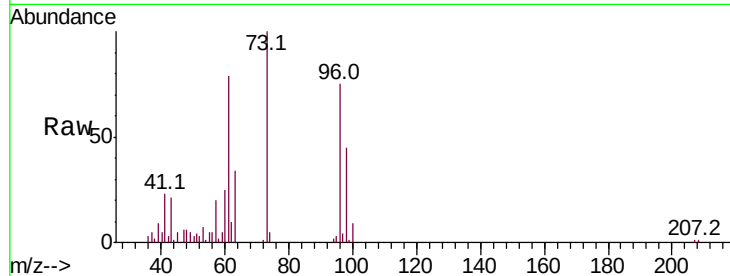
Tot Ion: 96 Resp: 60002

Ion Ratio Lower Upper

96 100

61 106.1 92.0 138.0

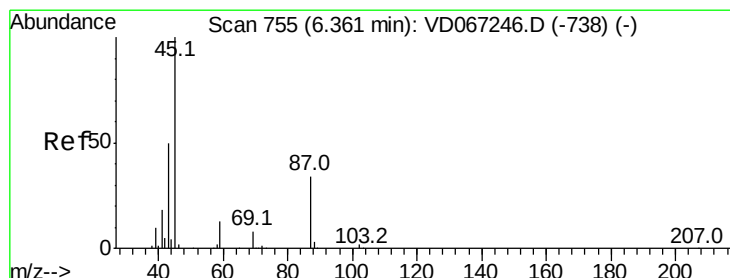
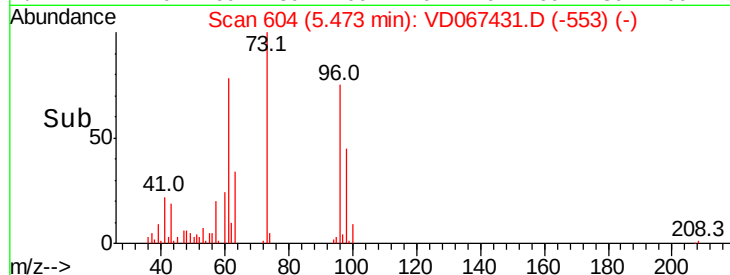
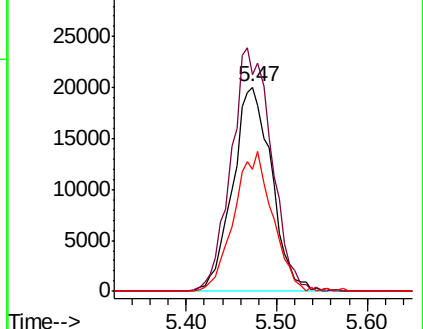
98 60.0 49.8 74.8



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: 21.981 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Tgt Ion: 45 Resp: 119070

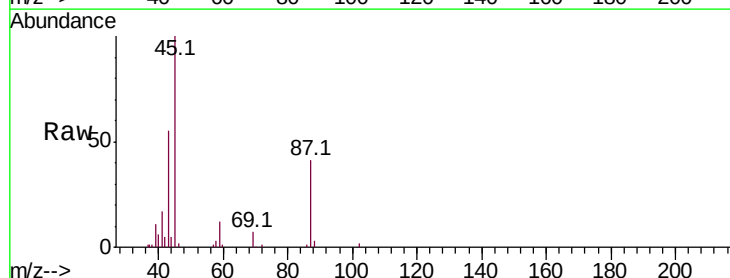
Ion Ratio Lower Upper

45 100

43 54.1 48.0 72.0

87 40.3 28.5 42.7

59 12.2 10.5 15.7

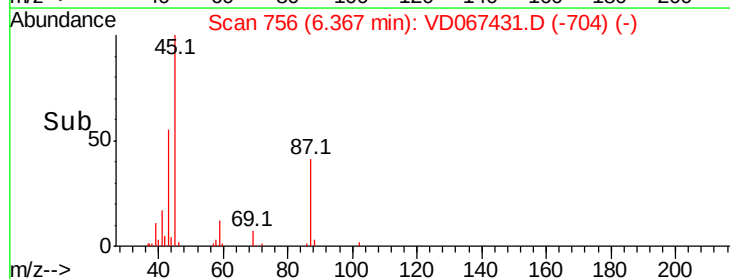
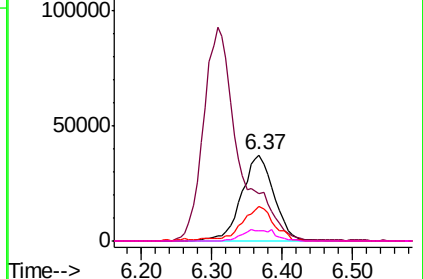


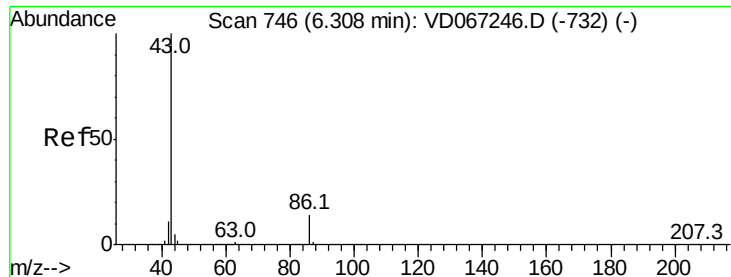
Abundance Ion 45.00 (44.70 to 45.70): VDC

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: 105.636 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Instrument :

MSVOA_D

ClientSampleId :

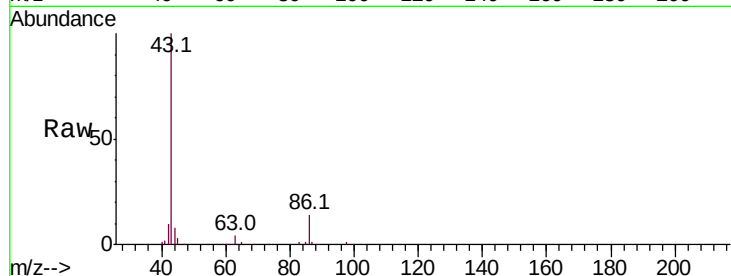
VD1028SBSD01

Tot Ion: 43 Resp: 325549

Ion Ratio Lower Upper

43 100

86 13.7 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

100000

80000

60000

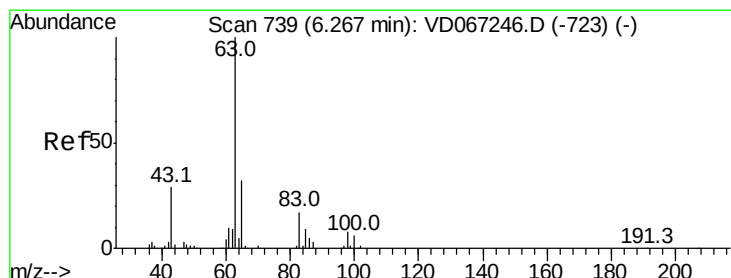
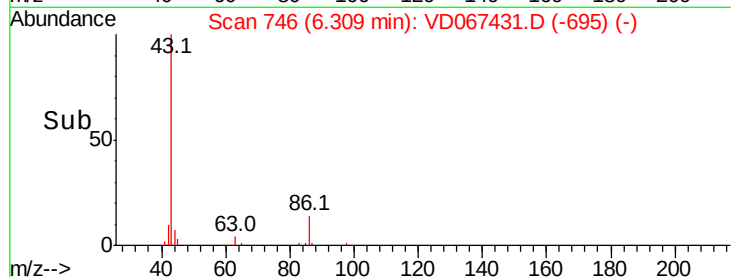
40000

20000

0

Time-->

6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 21.577 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

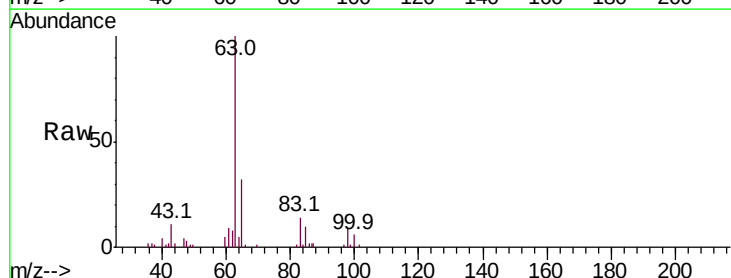
Tgt Ion: 63 Resp: 100051

Ion Ratio Lower Upper

63 100

98 9.0 4.0 12.2

100 5.8 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

6.26

40000

30000

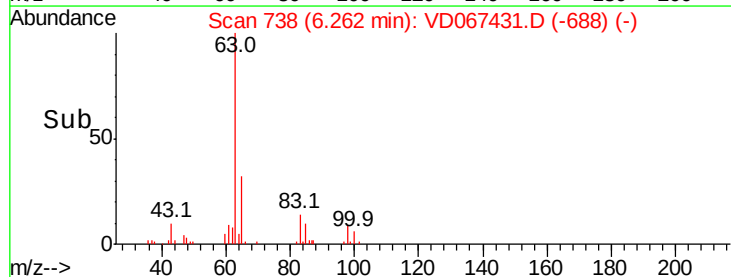
20000

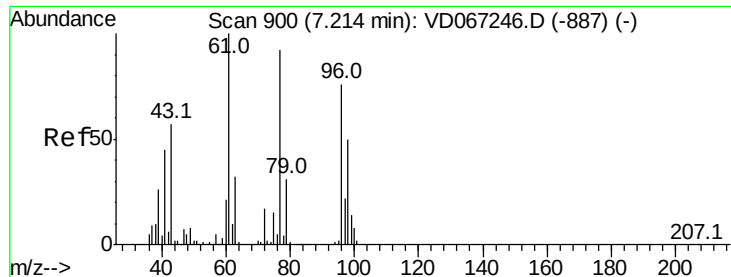
10000

0

Time-->

6.20 6.30 6.40

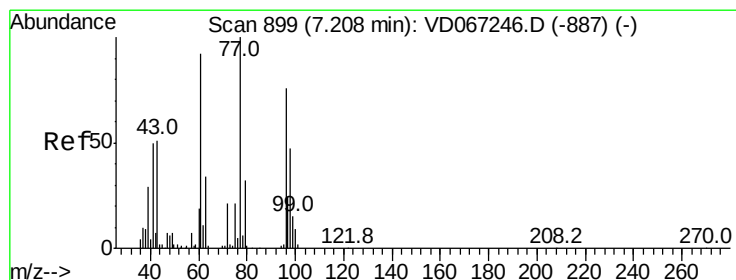
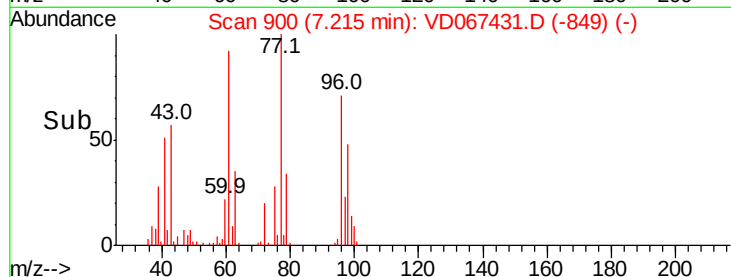
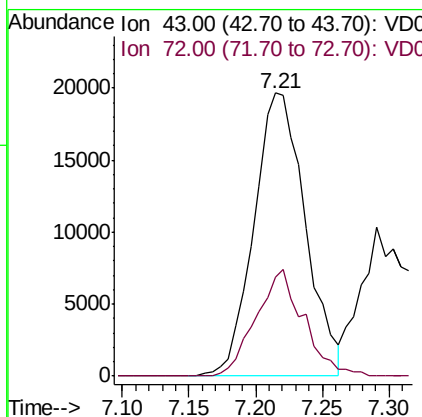
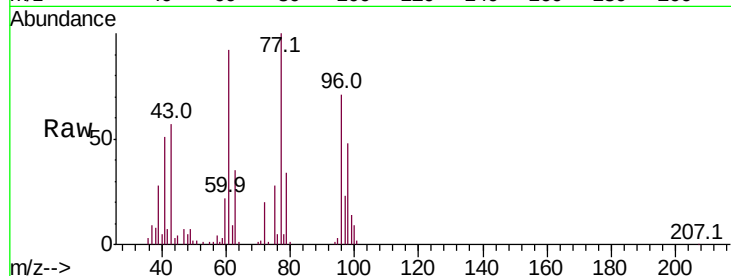




#25
2-Butanone
Concen: 104.862 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

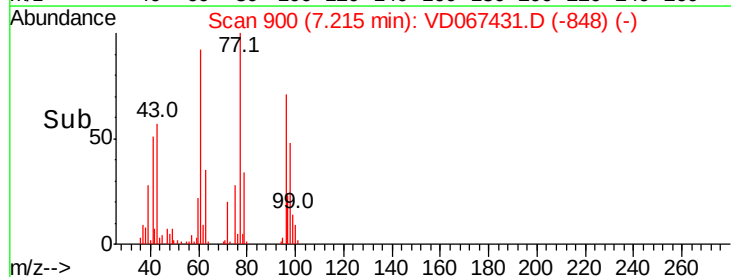
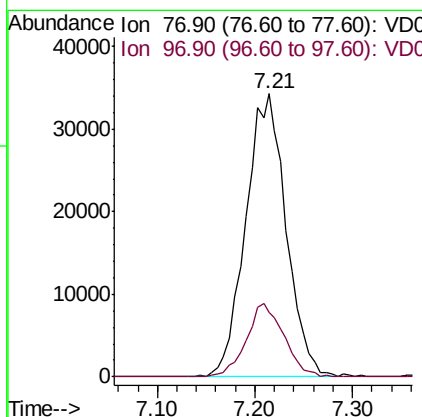
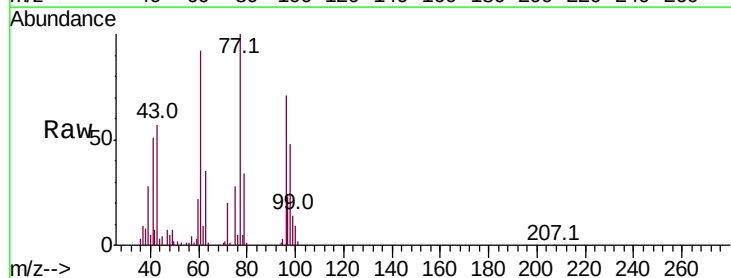
Instrument :
MSVOA_D
ClientSampleId :
VD1028SBSD01

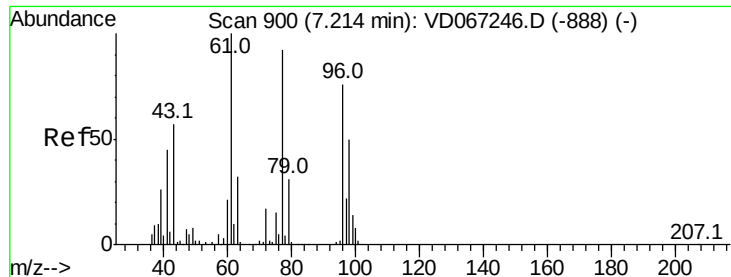
Tot Ion: 43 Resp: 52619
Ion Ratio Lower Upper
43 100
72 35.0 23.7 35.5



#26
2,2-Dichloropropane
Concen: 20.737 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Tgt Ion: 77 Resp: 99109
Ion Ratio Lower Upper
77 100
97 24.1 11.4 34.2



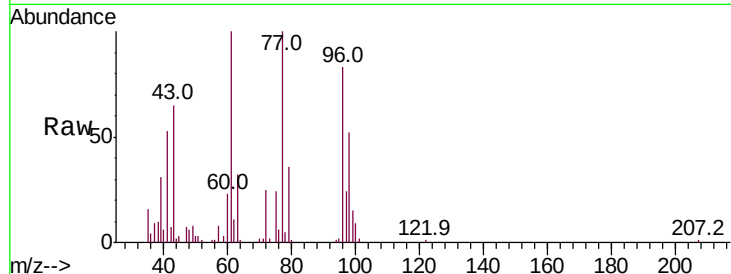


#27

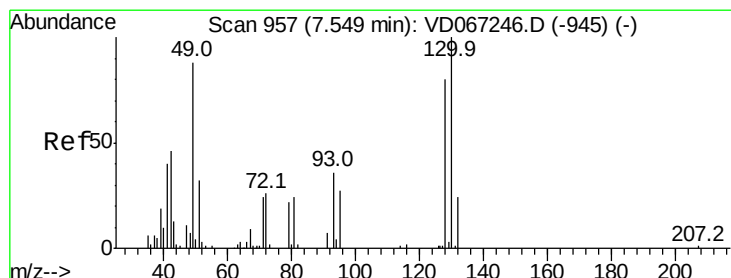
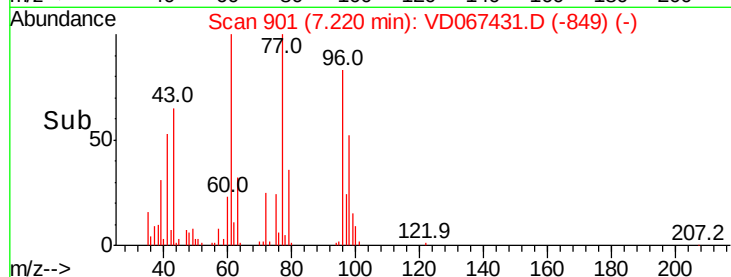
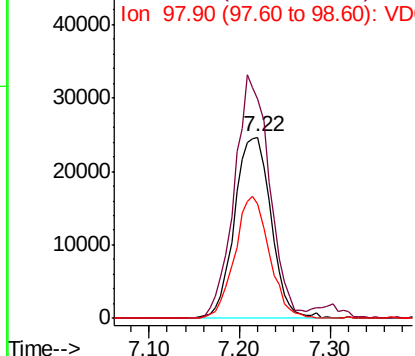
cis-1,2-Dichloroethene
Concen: 21.142 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Instrument :
MSVOA_D
ClientSampleId :
VD1028SBSD01

Tot Ion: 96 Resp: 69044
Ion Ratio Lower Upper
96 100
61 129.7 0.0 255.4
98 63.5 0.0 128.0



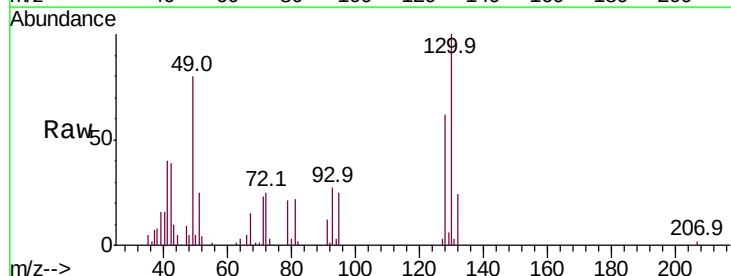
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



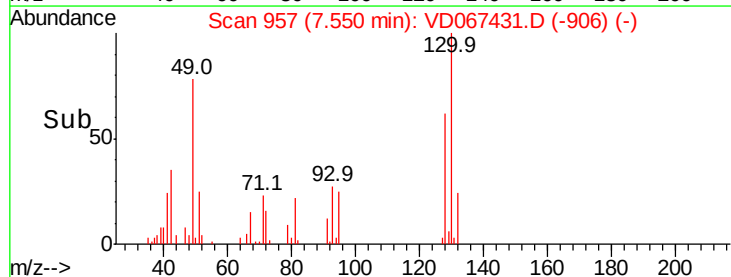
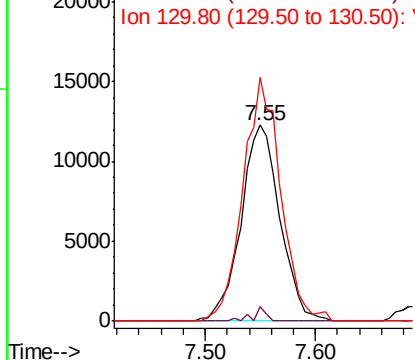
#28

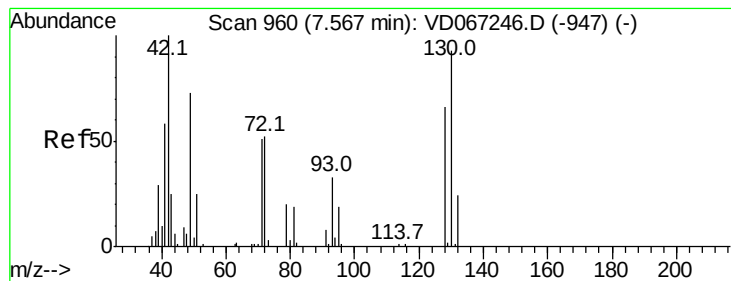
Bromochloromethane
Concen: 19.213 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Tgt Ion: 49 Resp: 30388
Ion Ratio Lower Upper
49 100
129 2.1 0.0 1.6#
130 119.9 91.0 136.6



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





#29

Tetrahydrofuran

Concen: 103.382 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBS01

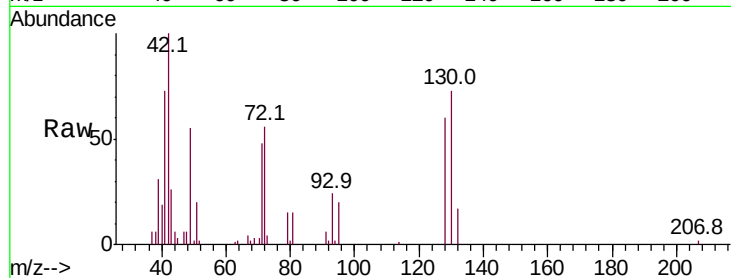
Tot Ion: 42 Resp: 28837

Ion Ratio Lower Upper

42 100

72 58.0 43.2 64.8

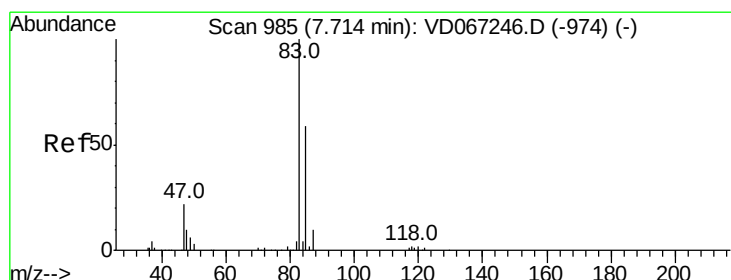
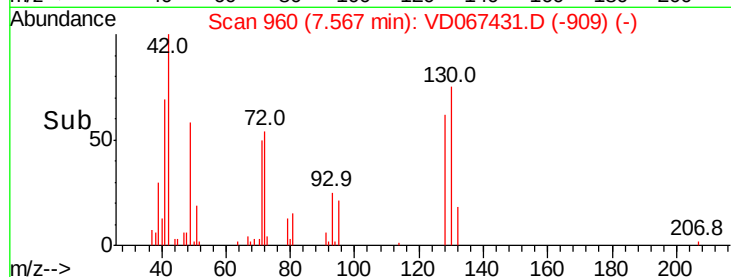
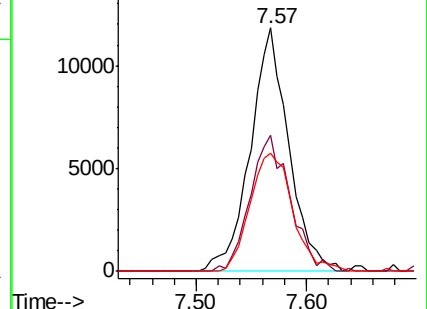
71 53.8 39.4 59.0



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: 21.591 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD067431.D

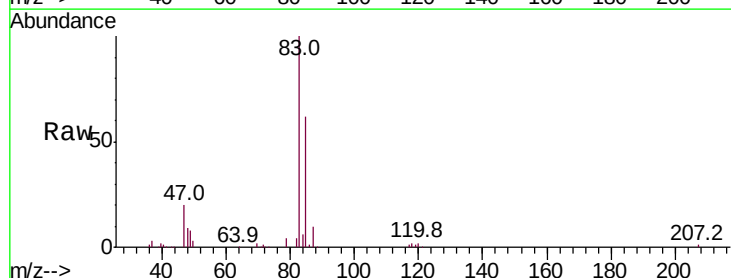
Acq: 28 Oct 2020 13:58

Tgt Ion: 83 Resp: 119600

Ion Ratio Lower Upper

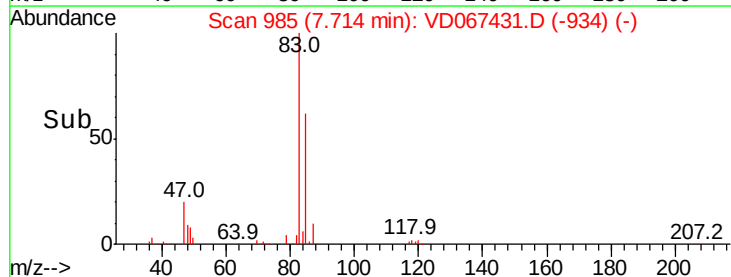
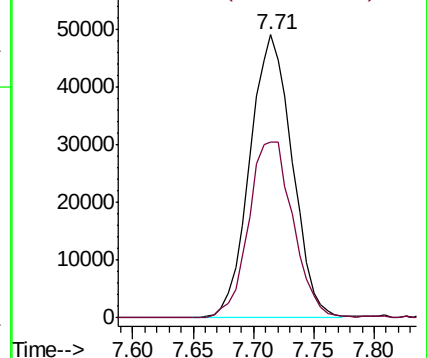
83 100

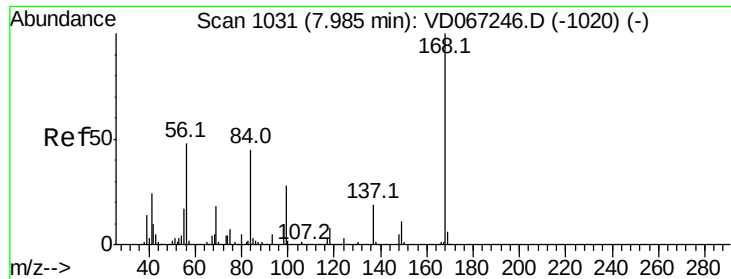
85 62.2 47.3 70.9



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

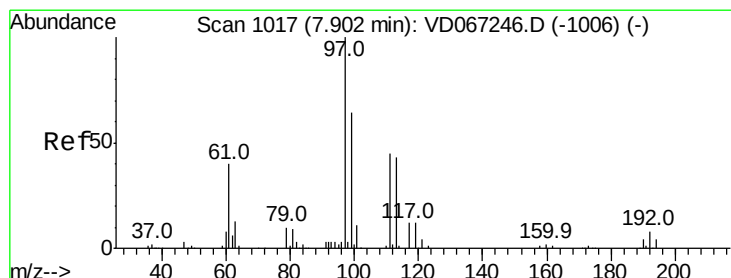
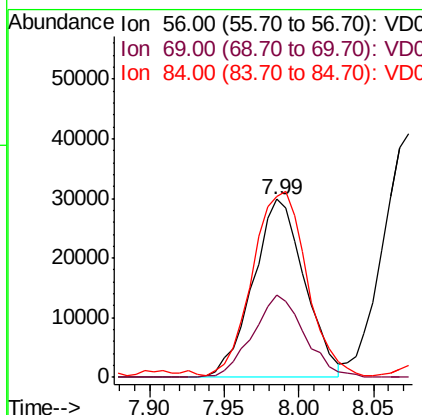
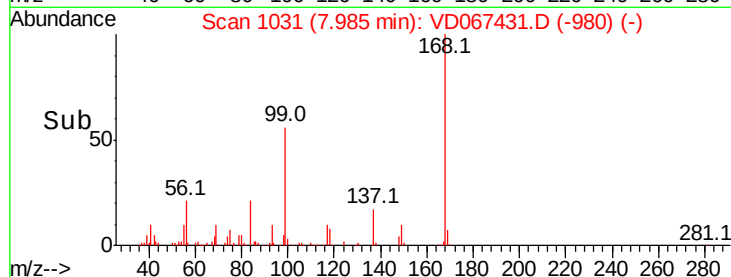
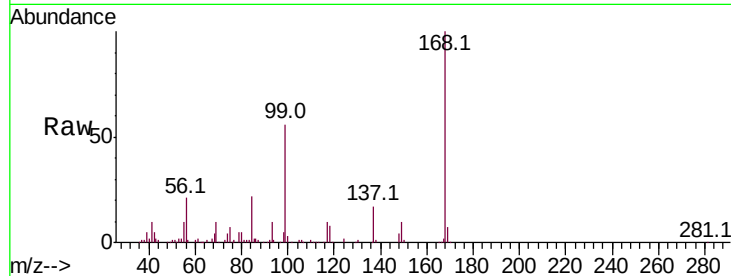




#31
Cyclohexane
Concen: 19.769 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

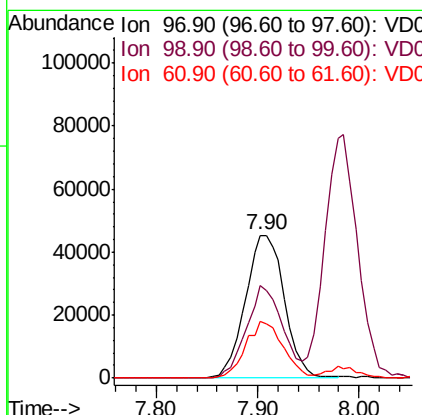
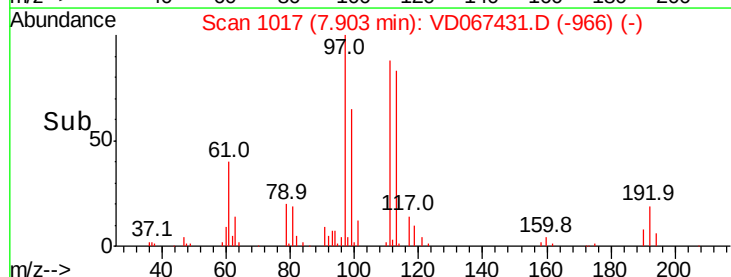
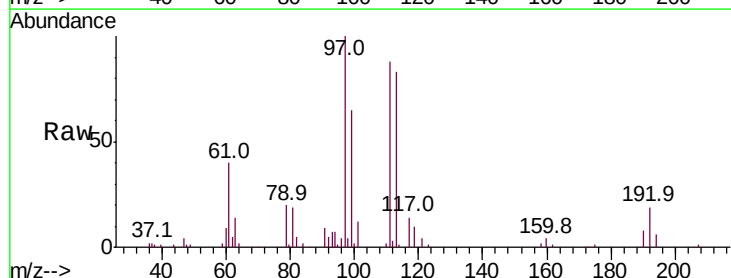
Instrument :
MSVOA_D
ClientSampleId :
VD1028SBSD01

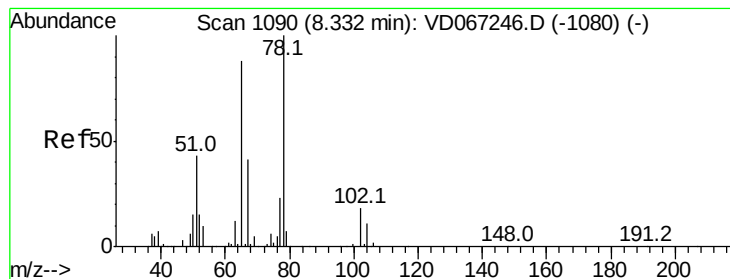
Tot Ion: 56 Resp: 71569
Ion Ratio Lower Upper
56 100
69 45.9 29.8 44.6#
84 97.7 76.6 114.8



#32
1,1,1-Trichloroethane
Concen: 22.309 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Tgt Ion: 97 Resp: 121247
Ion Ratio Lower Upper
97 100
99 60.6 50.2 75.4
61 38.3 30.5 45.7





#33

1,2-Dichloroethane-d4

Concen: 48.543 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Instrument :

MSVOA_D

ClientSampleId :

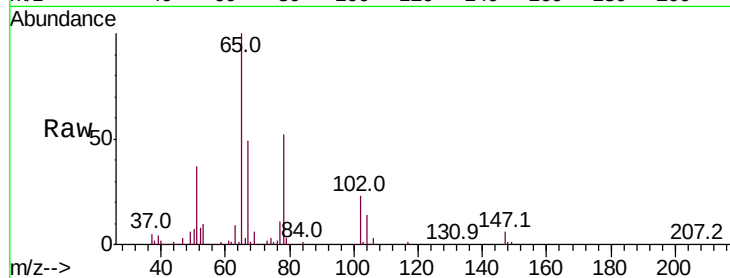
VD1028SBSD01

Tot Ion: 65 Resp: 152582

Ion Ratio Lower Upper

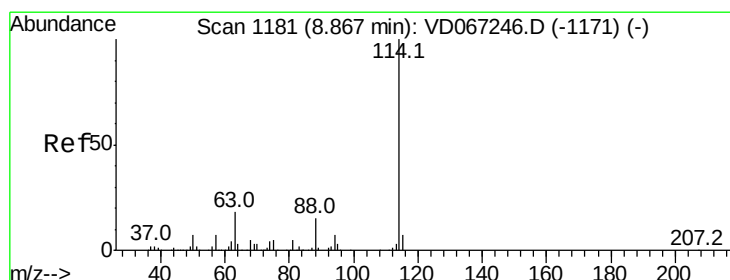
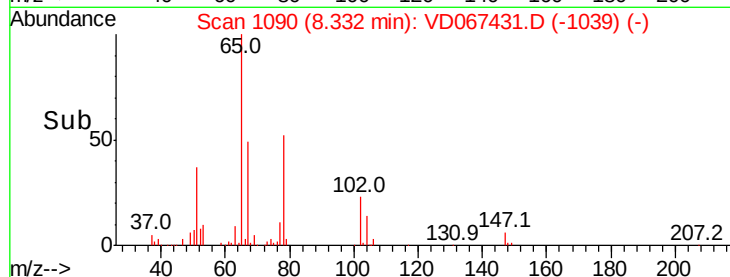
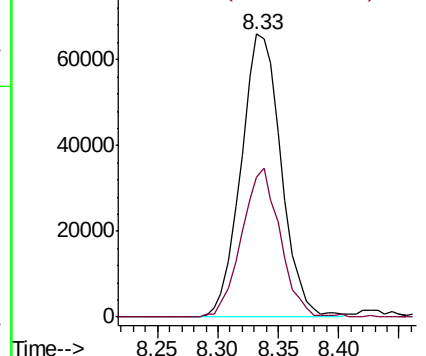
65 100

67 50.3 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

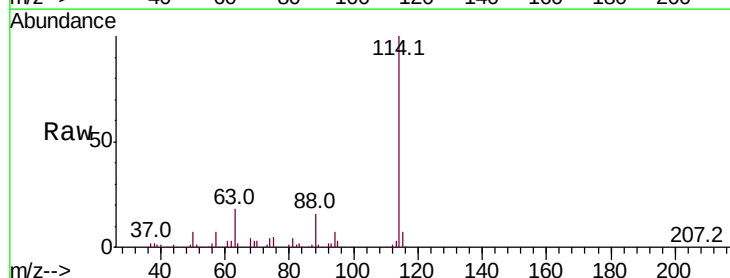
Tgt Ion: 114 Resp: 464035

Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.0

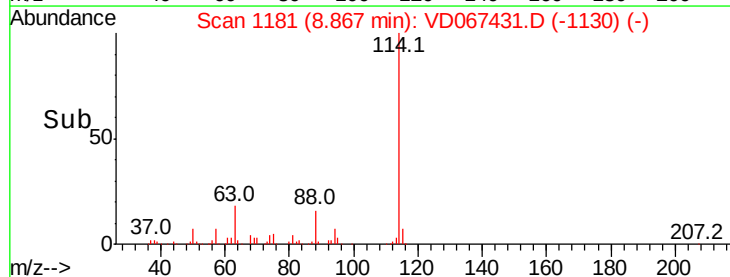
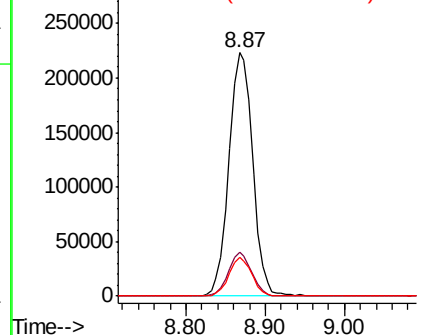
88 15.8 0.0 30.6

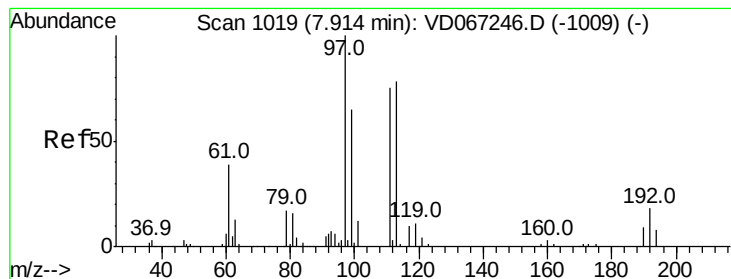


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.472 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBSD01

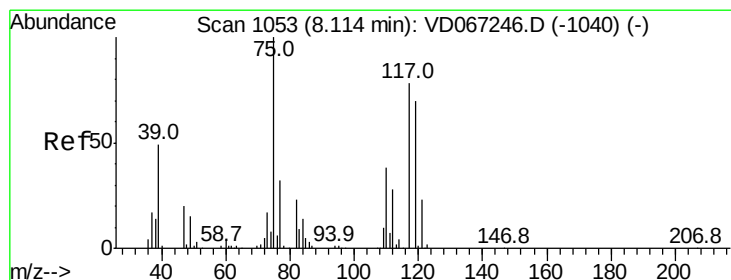
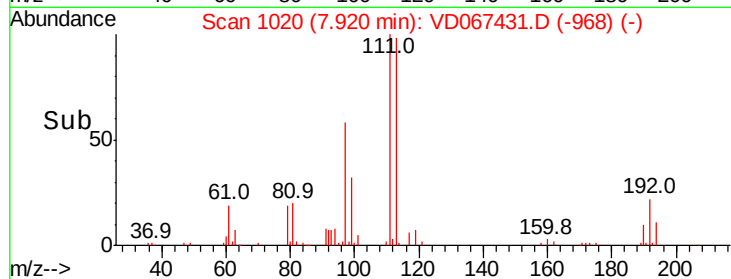
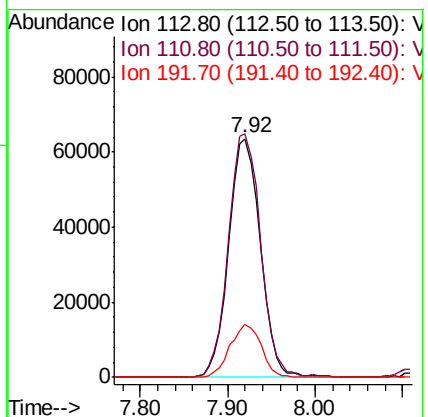
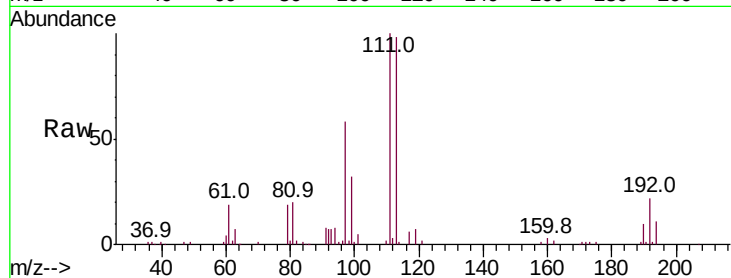
Tot Ion:113 Resp: 155866

Ion Ratio Lower Upper

113 100

111 103.6 81.6 122.4

192 21.8 17.0 25.4



#36

1,1-Dichloropropene

Concen: 21.708 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

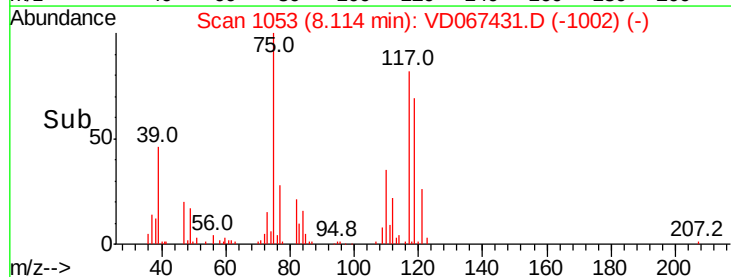
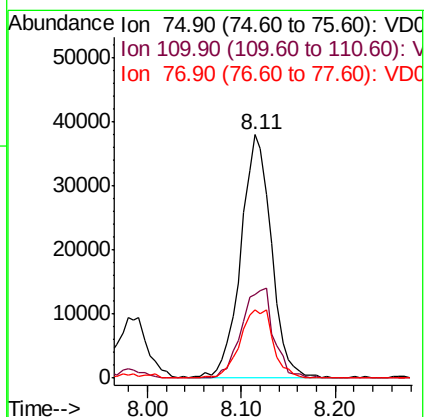
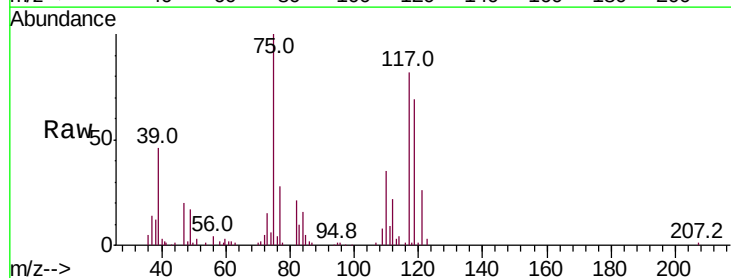
Tgt Ion: 75 Resp: 85378

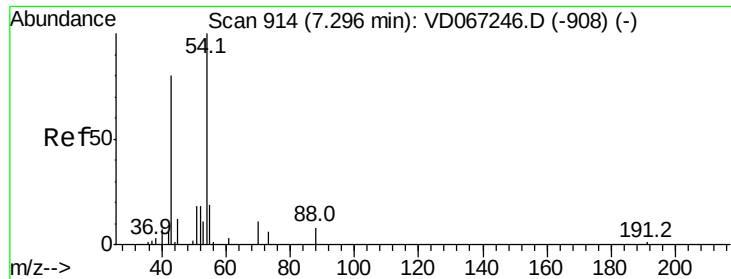
Ion Ratio Lower Upper

75 100

110 38.7 19.6 58.7

77 30.4 24.6 37.0

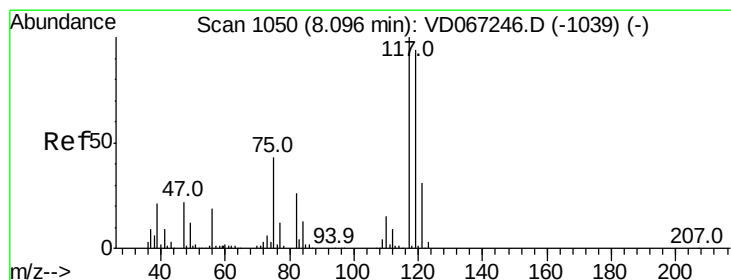
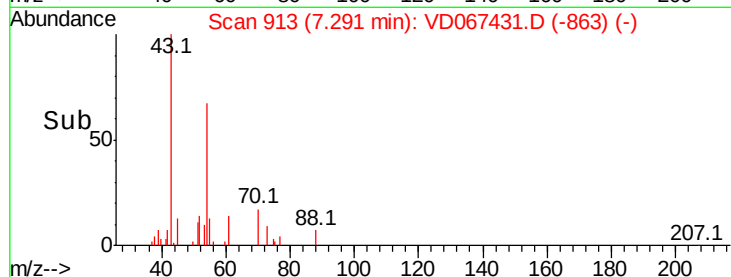
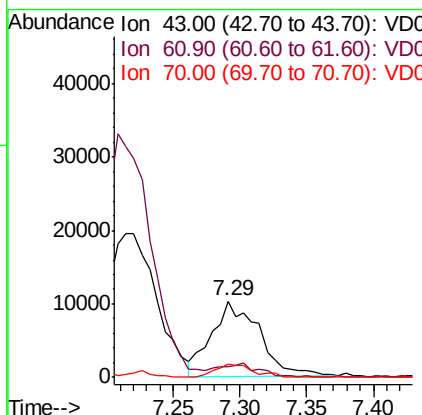
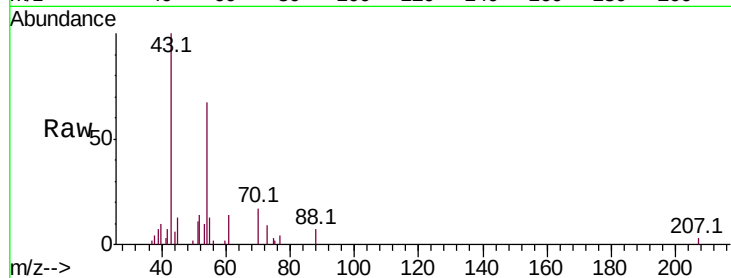




#37
Ethyl Acetate
Concen: 22.113 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

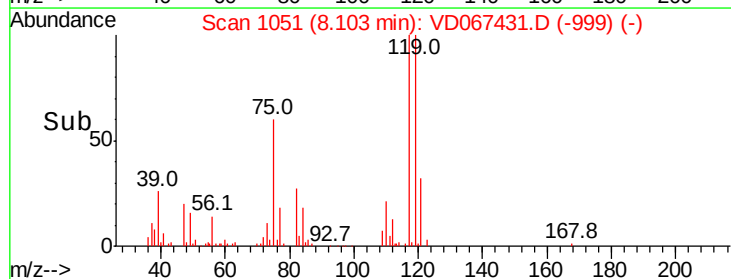
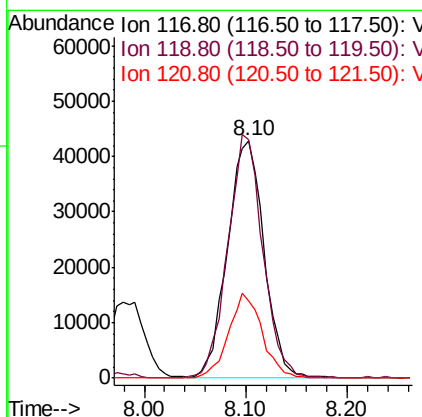
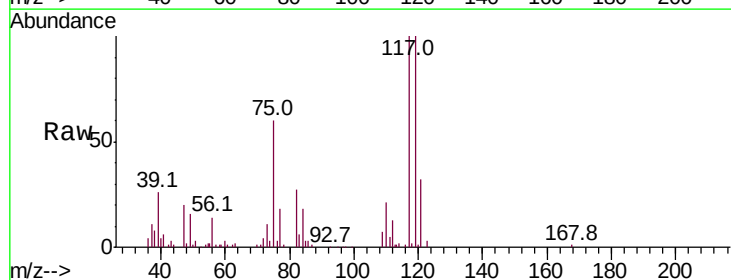
Instrument :
MSVOA_D
ClientSampleID :
VD1028SBS01

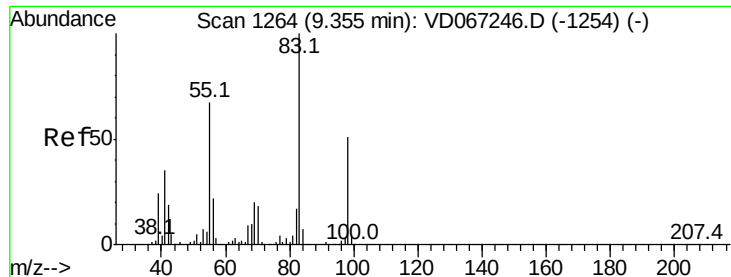
Tot Ion: 43 Resp: 25588
Ion Ratio Lower Upper
43 100
61 15.7 15.6 23.4
70 14.0 10.4 15.6



#38
Carbon Tetrachloride
Concen: 21.437 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Tgt Ion: 117 Resp: 107756
Ion Ratio Lower Upper
117 100
119 100.3 75.0 112.4
121 32.3 24.9 37.3

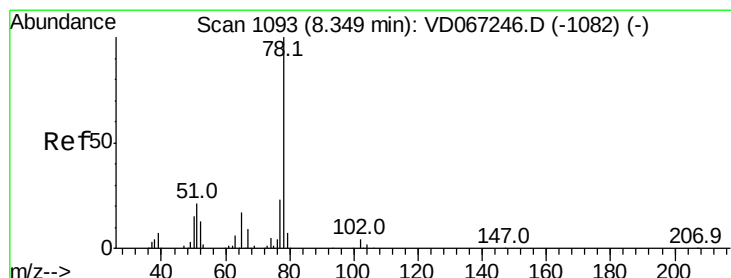
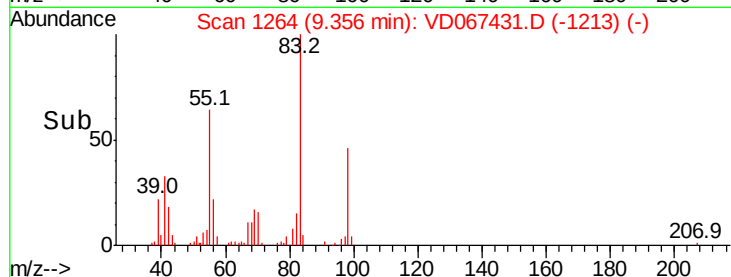
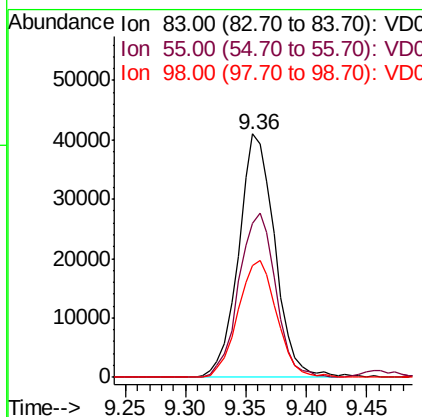
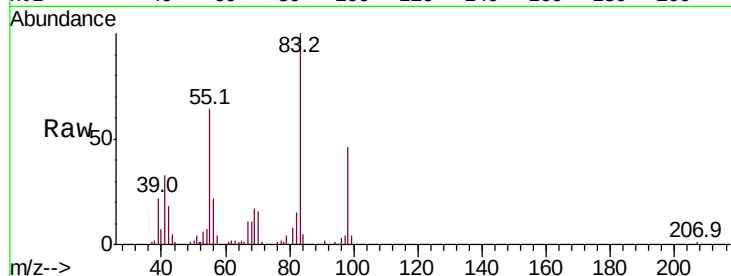




#39
Methylvlcyclohexane
Concen: 20.811 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

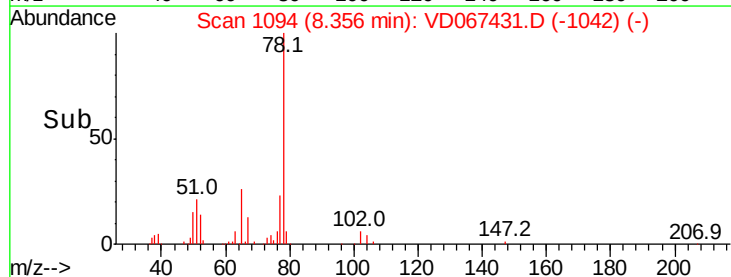
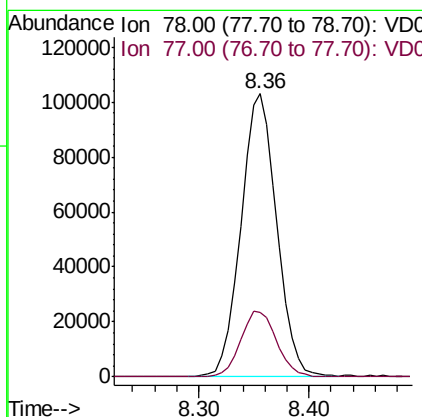
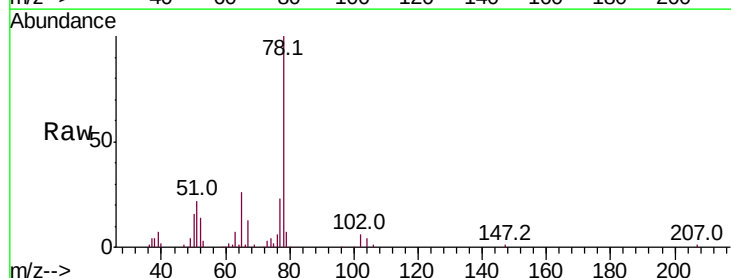
Instrument :
MSVOA_D
ClientSampleId :
VD1028SBSD01

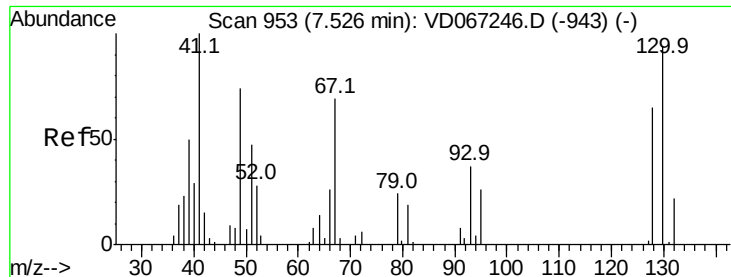
Tot Ion	83	Resp	85566
Ion Ratio	100	Lower	Upper
55	63.5	53.3	79.9
98	46.1	41.0	61.4



#40
Benzene
Concen: 21.686 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Tgt Ion	78	Resp	233991
Ion Ratio	100	Lower	Upper
77	22.6	18.3	27.5

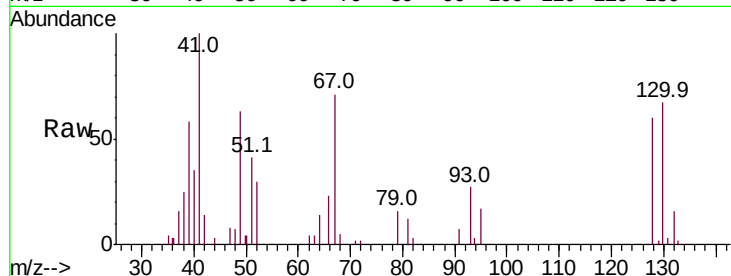




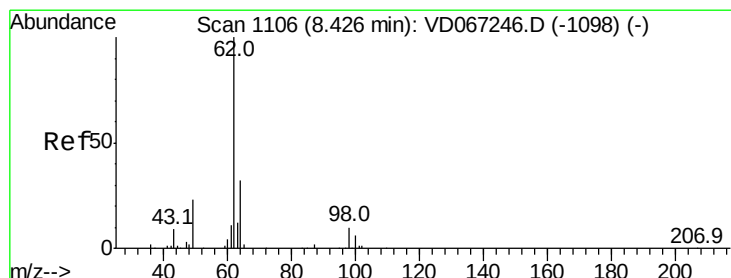
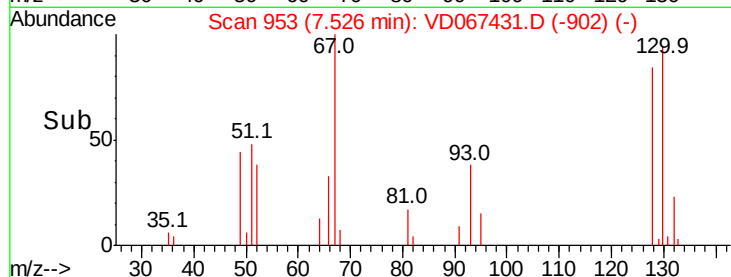
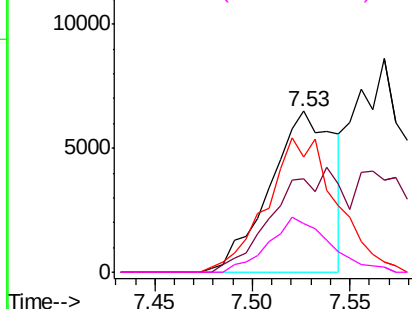
#41
Methacrylonitrile
Concen: 24.041 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

Tot Ion: 41 Resp: 15033
Ion Ratio Lower Upper
41 100
39 44.0 60.0 90.0#
67 89.7 88.9 133.3
52 31.8 36.9 55.3#

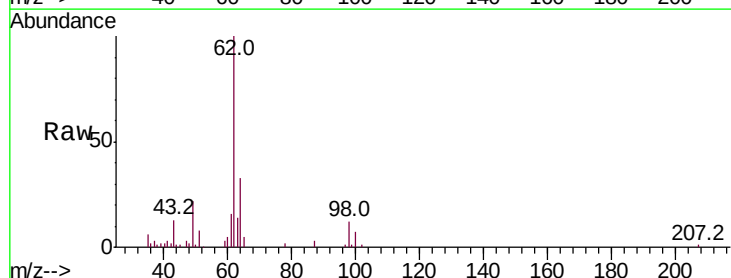


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

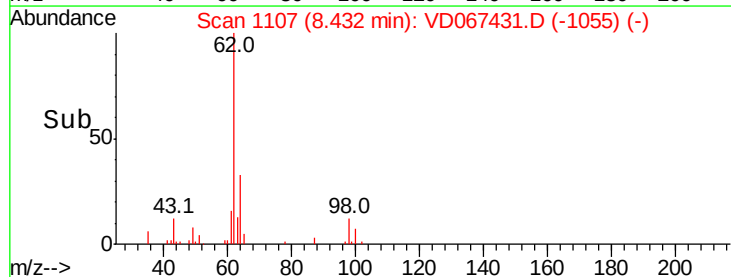
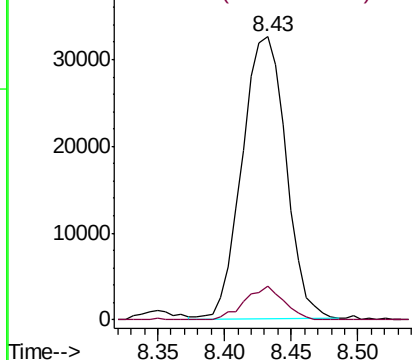


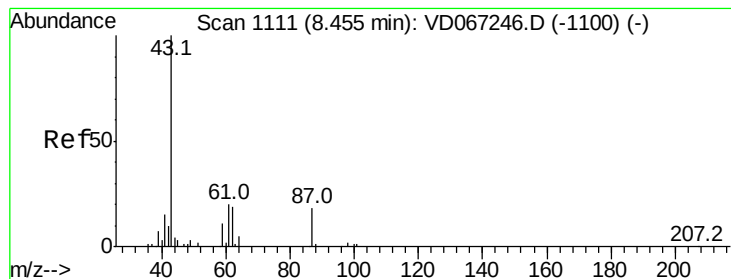
#42
1,2-Dichloroethane
Concen: 21.927 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Tgt Ion: 62 Resp: 74038
Ion Ratio Lower Upper
62 100
98 10.5 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: 21.212 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBS01

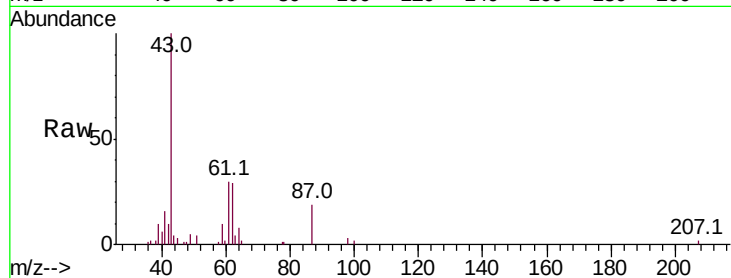
Tot Ion: 43 Resp: 48706

Ion Ratio Lower Upper

43 100

61 38.9 29.5 44.3

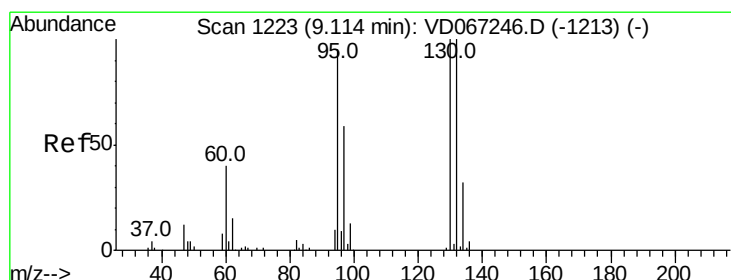
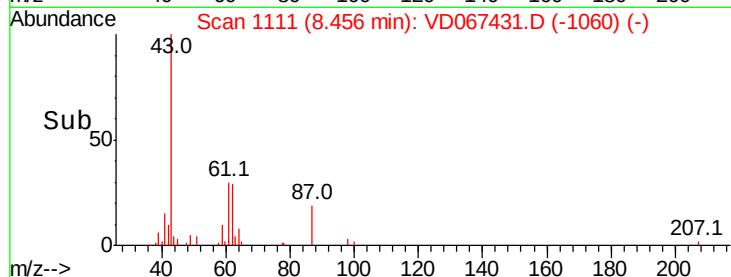
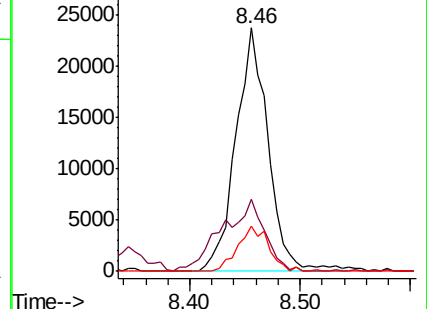
87 17.8 14.2 21.4



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: 20.936 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD067431.D

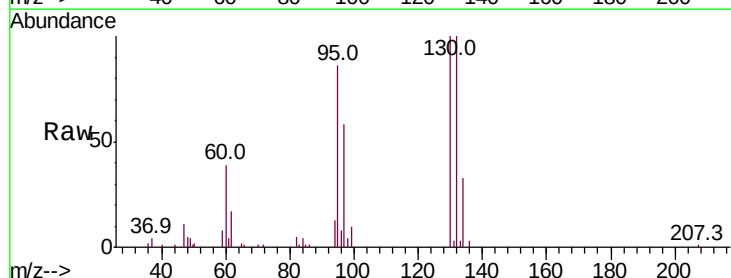
Acq: 28 Oct 2020 13:58

Tgt Ion:130 Resp: 72325

Ion Ratio Lower Upper

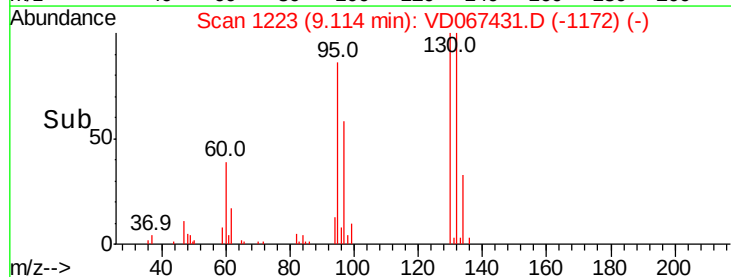
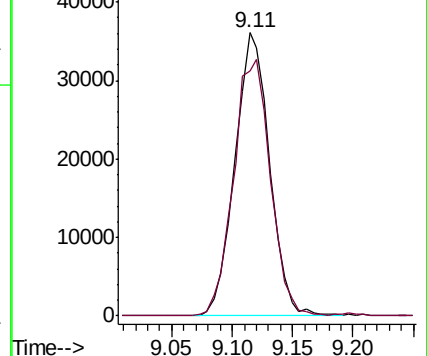
130 100

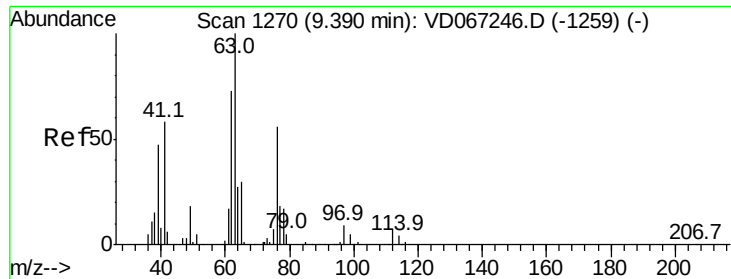
95 86.3 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

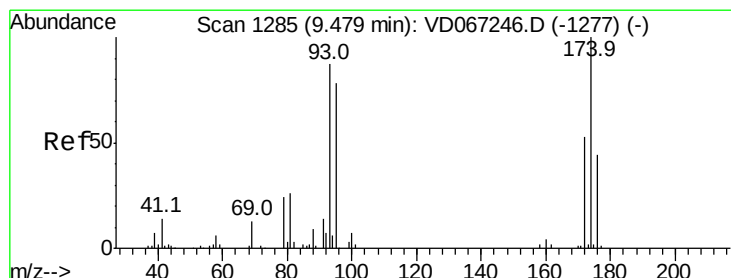
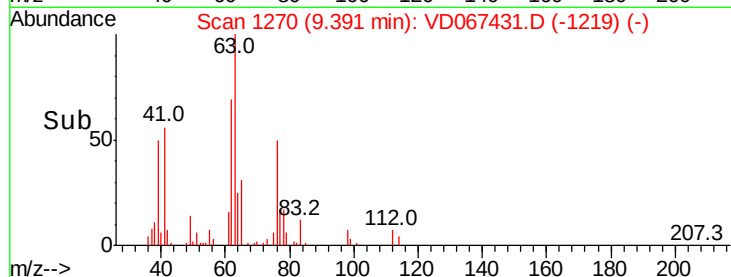
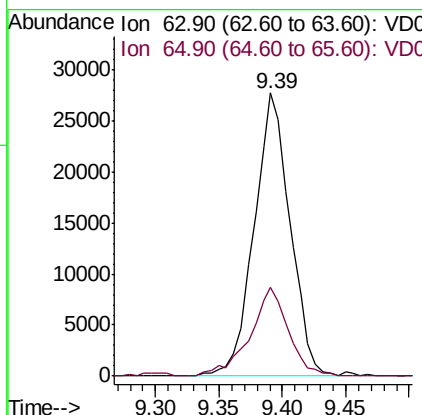
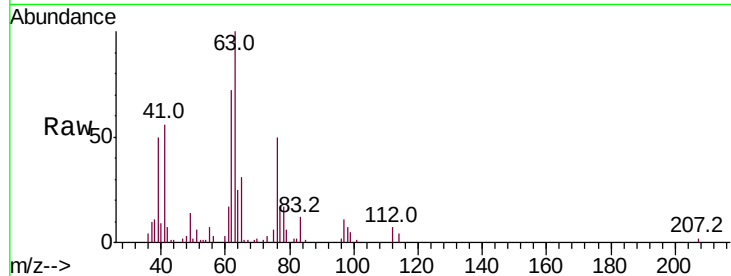




#45
 1,2-Dichloropropane
 Concen: 21.925 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067431.D
 Acq: 28 Oct 2020 13:58

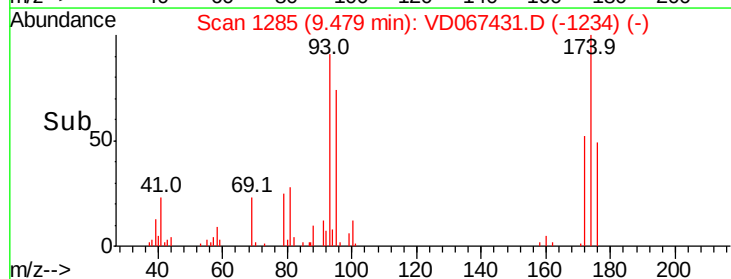
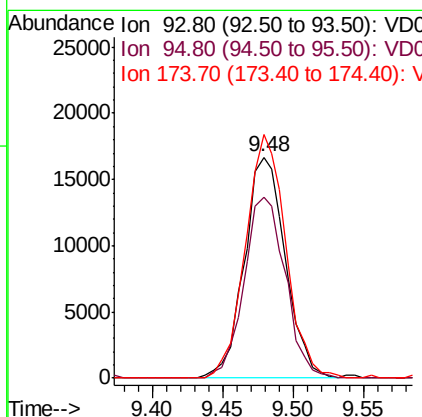
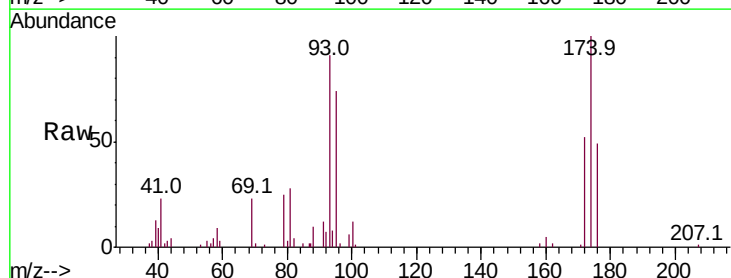
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1028SBSD01

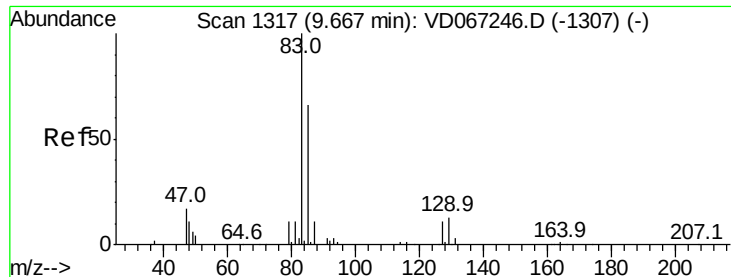
Tot Ion: 63 Resp: 54825
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.6 36.8



#46
 Dibromomethane
 Concen: 21.794 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067431.D
 Acq: 28 Oct 2020 13:58

Tgt Ion: 93 Resp: 33955
 Ion Ratio Lower Upper
 93 100
 95 82.5 68.0 102.0
 174 108.5 91.8 137.6





#47

Bromodichloromethane

Concen: 21.565 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBS01

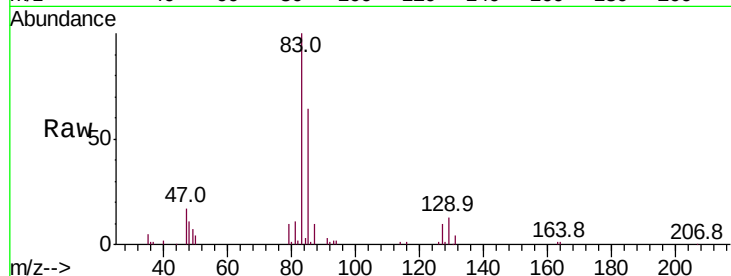
Tot Ion: 83 Resp: 90019

Ion Ratio Lower Upper

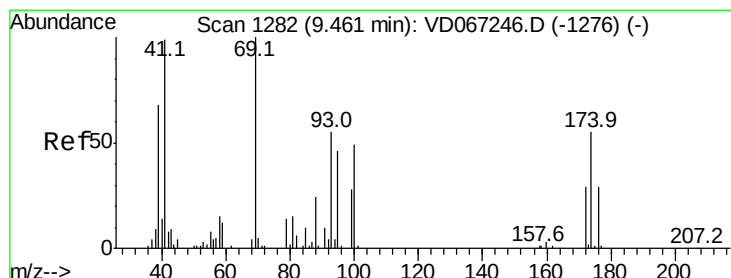
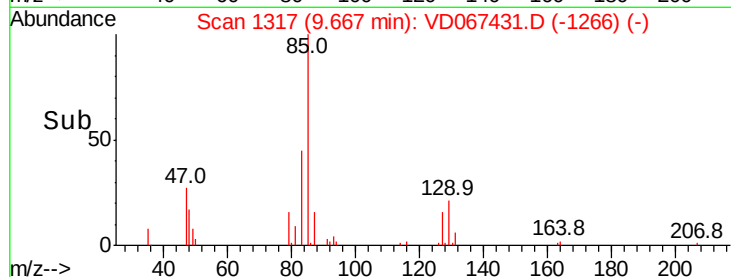
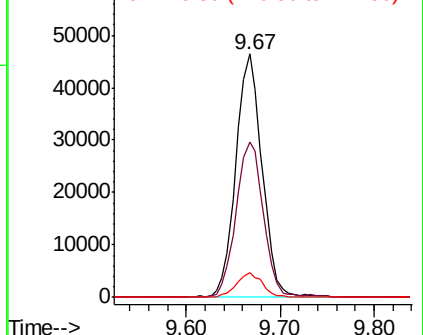
83 100

85 63.9 53.1 79.7

127 10.0 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: 20.446 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

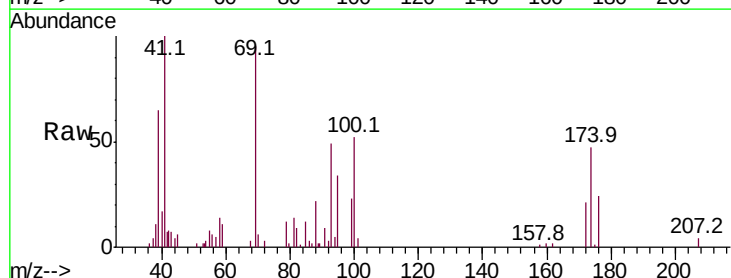
Tgt Ion: 41 Resp: 22814

Ion Ratio Lower Upper

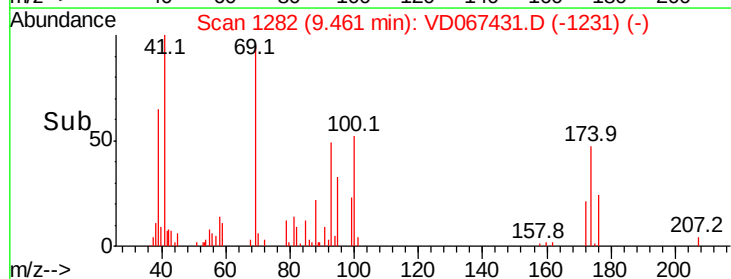
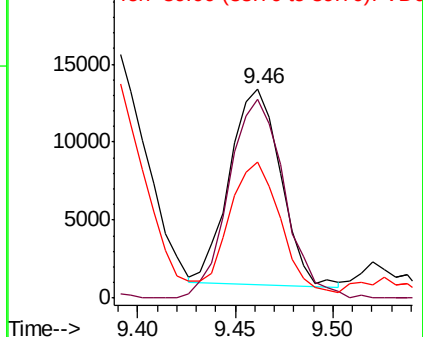
41 100

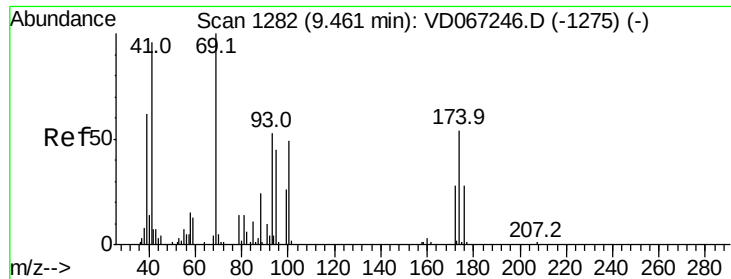
69 110.6 89.0 133.6

39 73.6 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

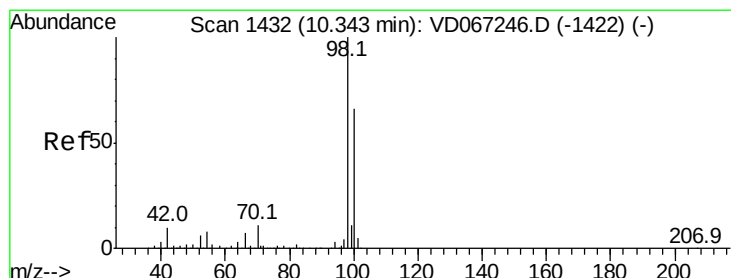
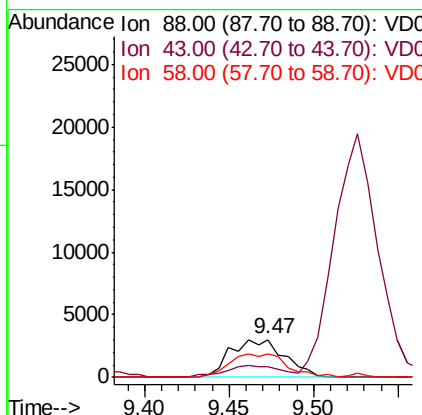
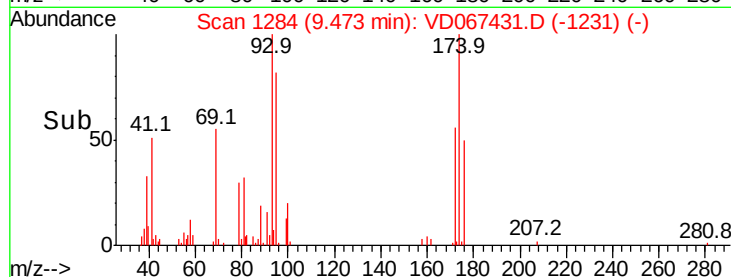
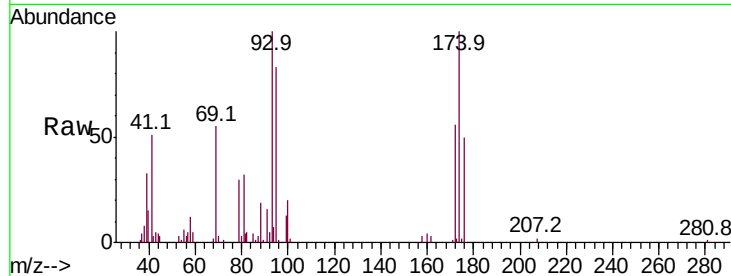




#49
1,4-Dioxane
Concen: 431.488 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

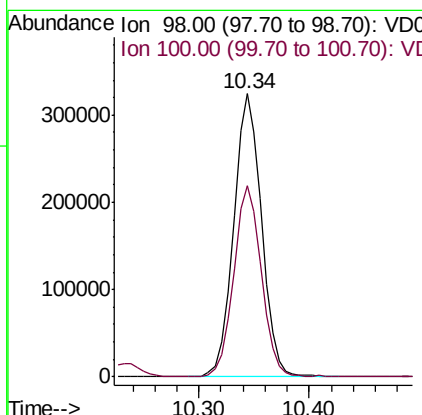
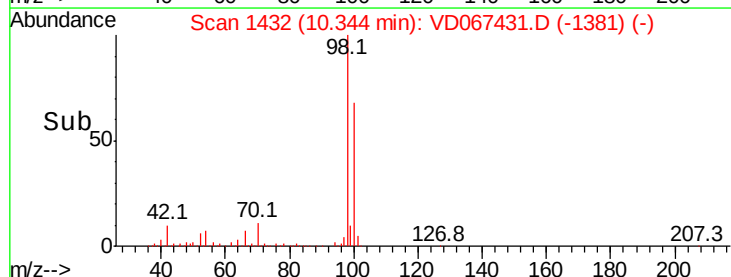
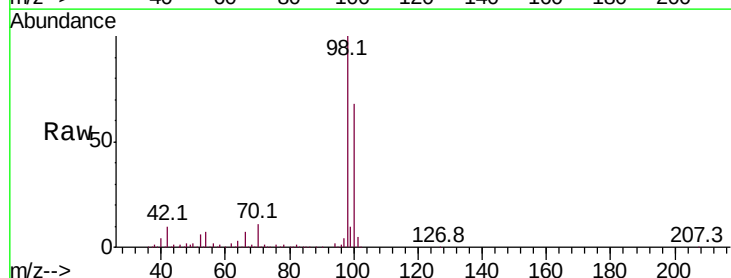
Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

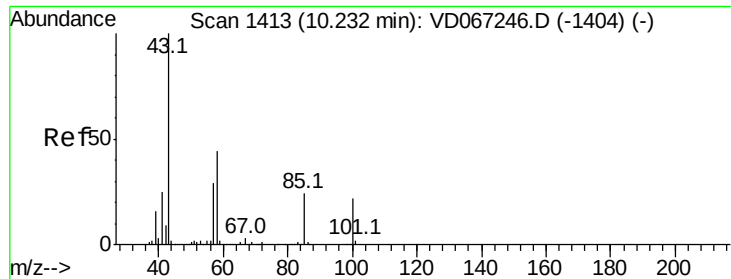
Tot Ion: 88 Resp: 6766
Ion Ratio Lower Upper
88 100
43 32.7 23.9 35.9
58 66.1 51.0 76.6



#50
Toluene-d8
Concen: 51.359 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Tgt Ion: 98 Resp: 573975
Ion Ratio Lower Upper
98 100
100 67.2 53.1 79.7

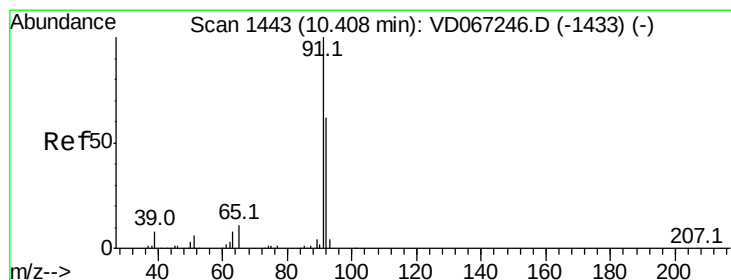
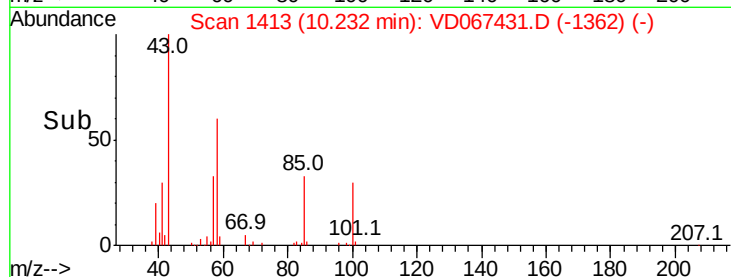
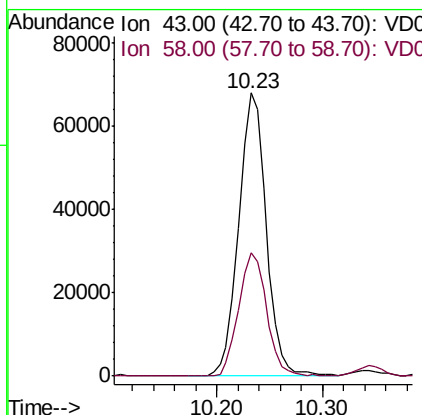
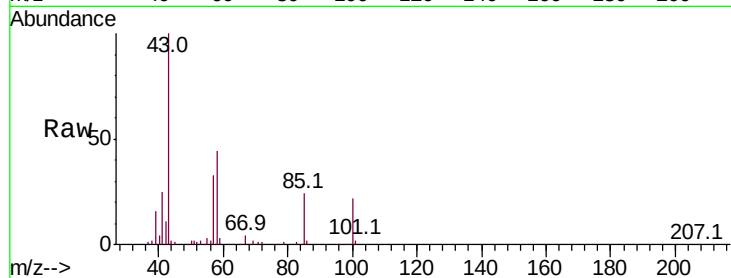




#51
 4-Methyl-2-Pentanone
 Concen: 107.314 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD067431.D
 Acq: 28 Oct 2020 13:58

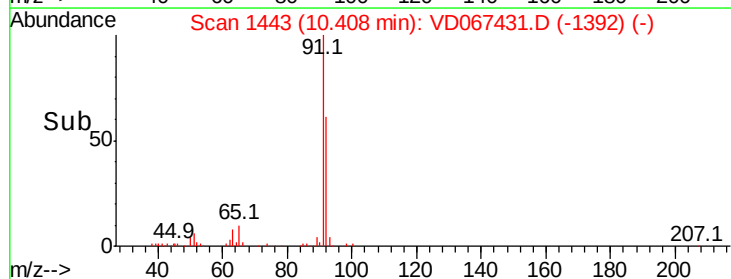
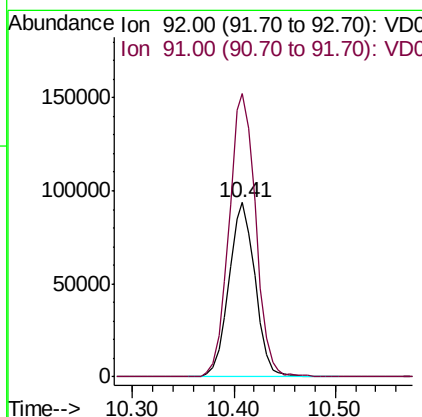
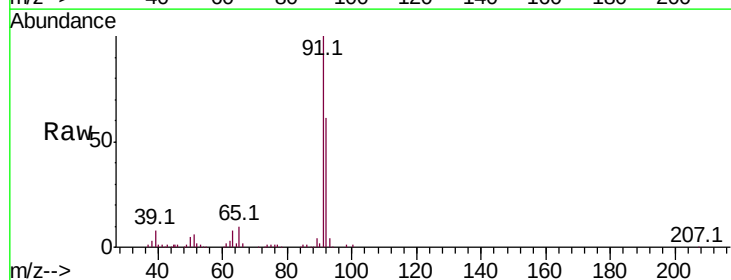
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1028SBS01

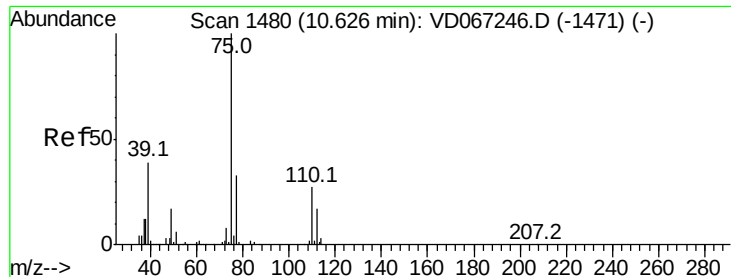
Tot Ion: 43 Resp: 122899
 Ion Ratio Lower Upper
 43 100
 58 44.3 35.7 53.5



#52
 Toluene
 Concen: 22.863 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD067431.D
 Acq: 28 Oct 2020 13:58

Tgt Ion: 92 Resp: 168015
 Ion Ratio Lower Upper
 92 100
 91 165.2 133.8 200.8





#53

t-1,3-Dichloropropene

Concen: 21.213 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Instrument :

MSVOA_D

ClientSampleId :

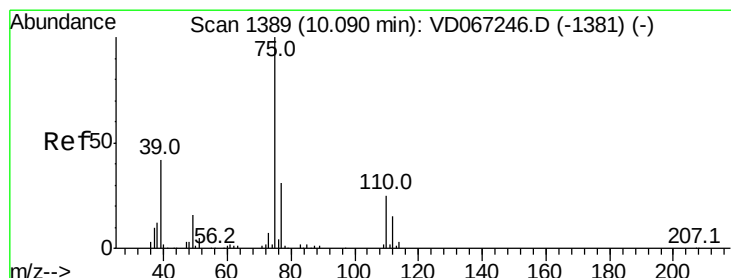
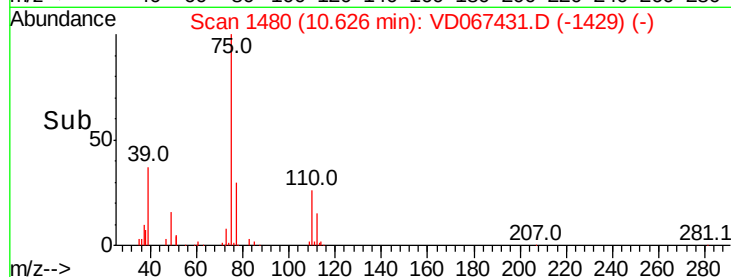
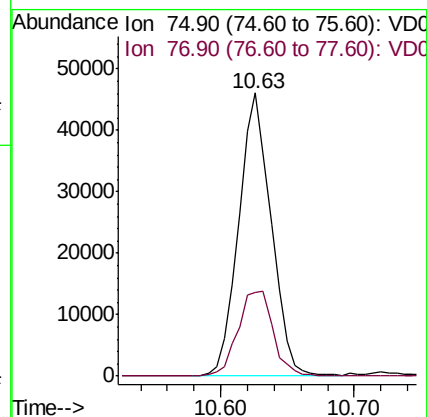
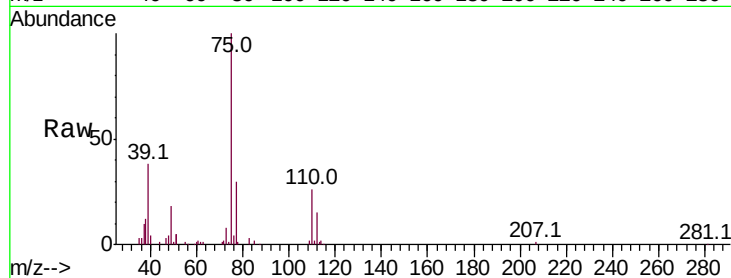
VD1028SBSD01

Tot Ion: 75 Resp: 77784

Ion Ratio Lower Upper

75 100

77 29.7 26.5 39.7



#54

cis-1,3-Dichloropropene

Concen: 21.772 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.01 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

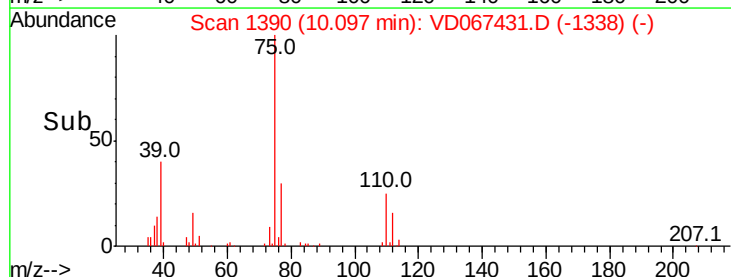
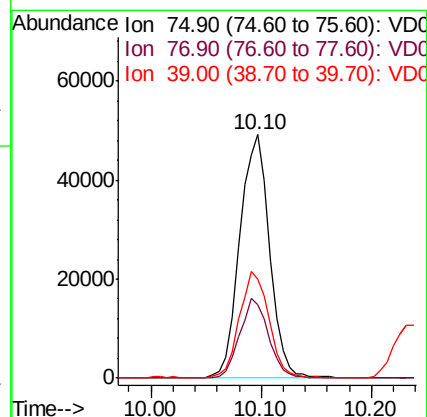
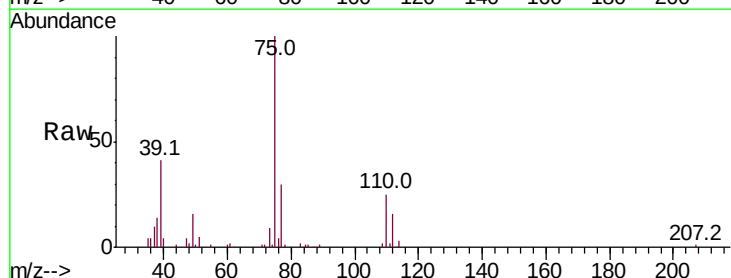
Tgt Ion: 75 Resp: 93433

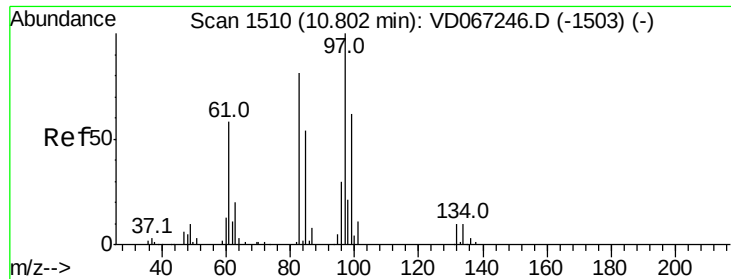
Ion Ratio Lower Upper

75 100

77 30.3 24.5 36.7

39 40.8 33.7 50.5

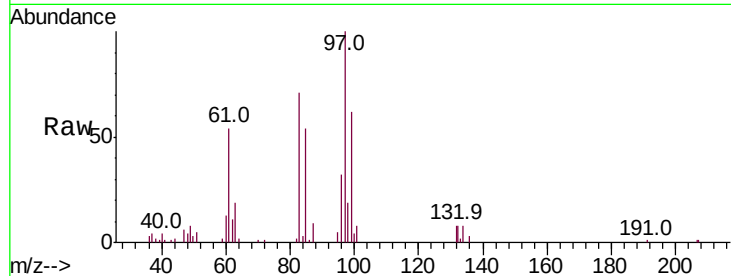




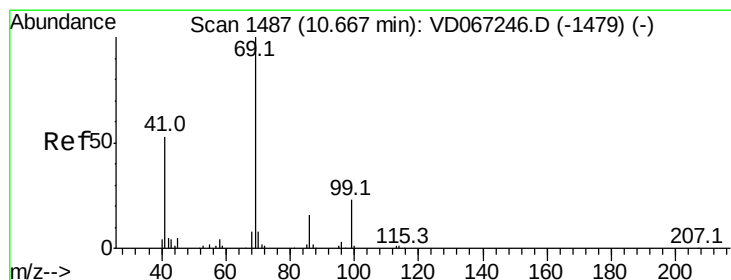
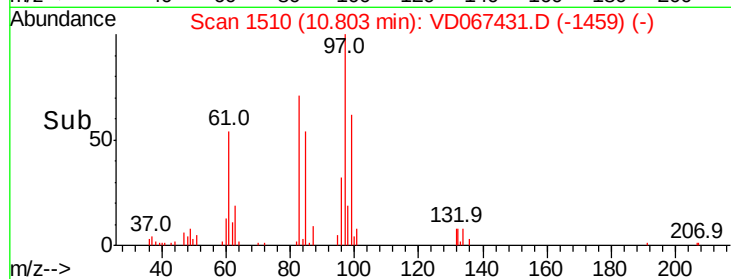
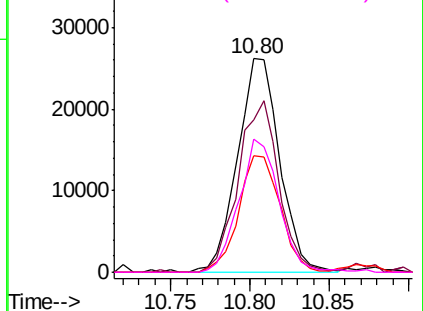
#55
 1,1,2-Trichloroethane
 Concen: 22.806 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067431.D
 Acq: 28 Oct 2020 13:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1028SBS01

Tot Ion:	97	Resp:	48453
Ion	Ratio	Lower	Upper
97	100		
83	71.5	64.9	97.3
85	54.3	43.3	64.9
99	62.4	49.1	73.7

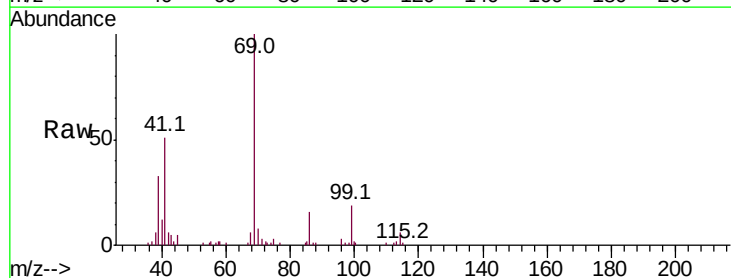


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

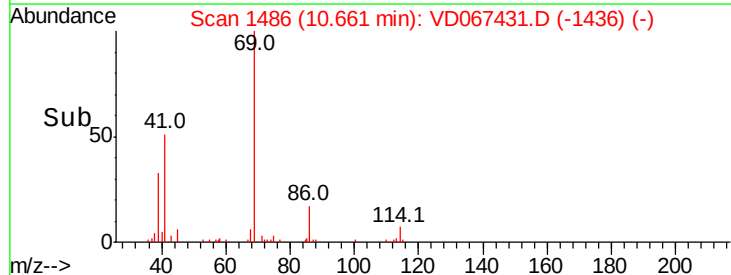
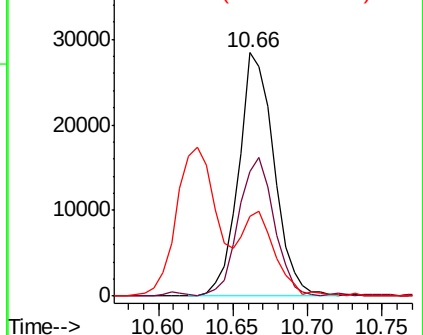


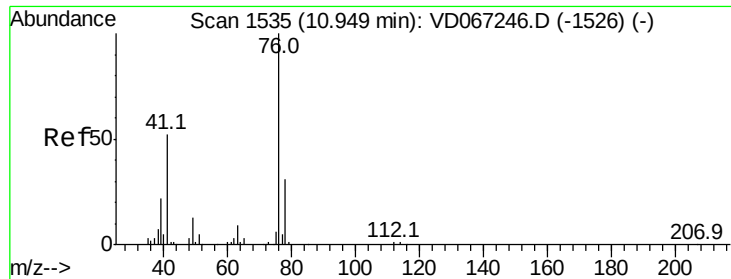
#56
 Ethyl methacrylate
 Concen: 21.304 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD067431.D
 Acq: 28 Oct 2020 13:58

Tgt Ion:	69	Resp:	46941
Ion	Ratio	Lower	Upper
69	100		
41	57.2	44.7	67.1
39	32.4	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: 22.048 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Instrument :

MSVOA_D

ClientSampleId :

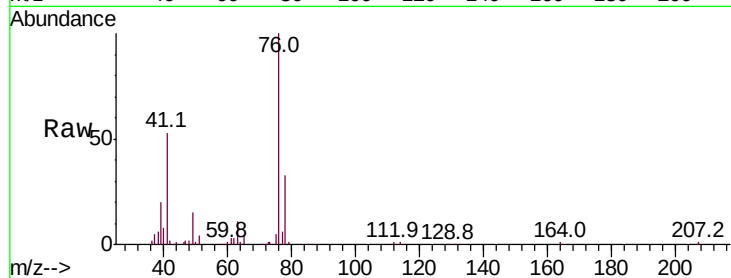
VD1028SBS01

Tot Ion: 76 Resp: 74546

Ion Ratio Lower Upper

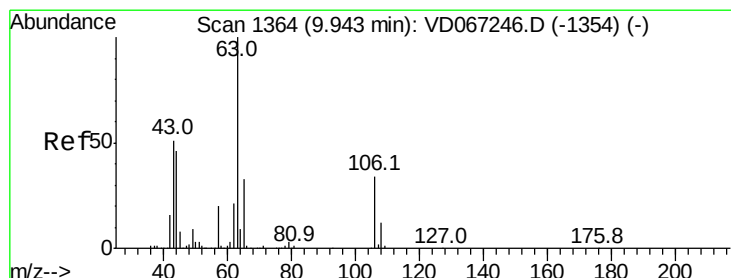
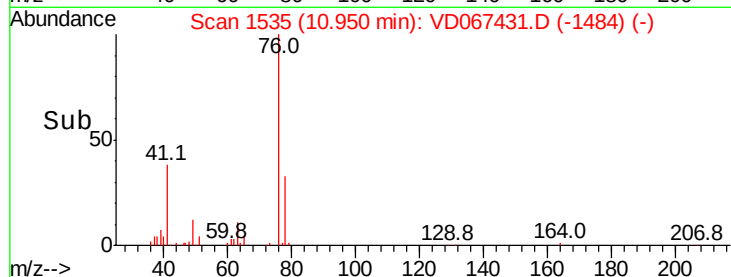
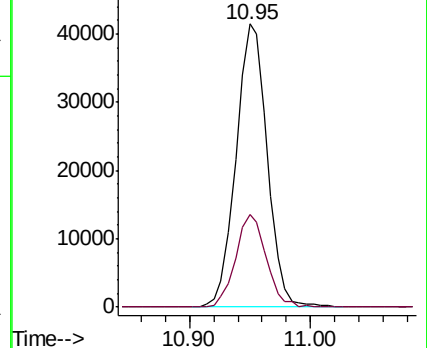
76 100

78 32.0 26.8 40.2



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 103.659 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VD067431.D

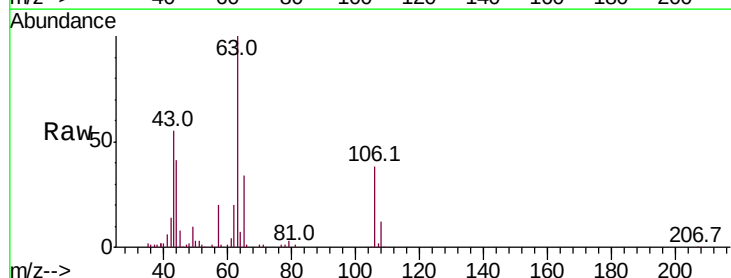
Acq: 28 Oct 2020 13:58

Tgt Ion: 63 Resp: 117170

Ion Ratio Lower Upper

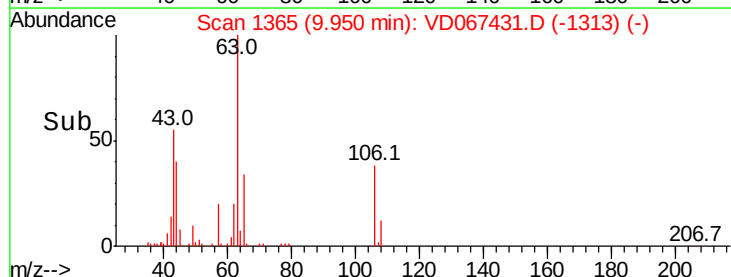
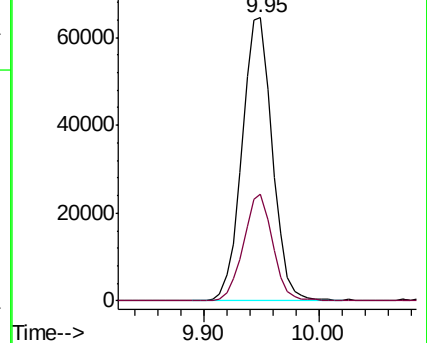
63 100

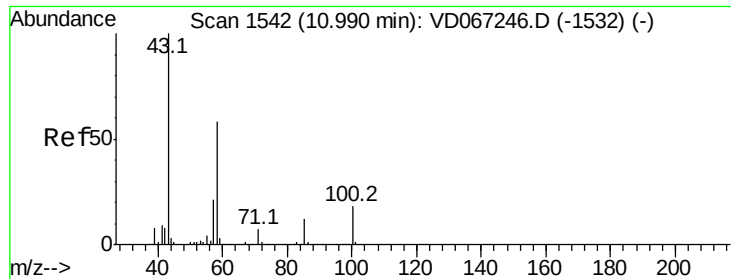
106 36.3 27.8 41.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

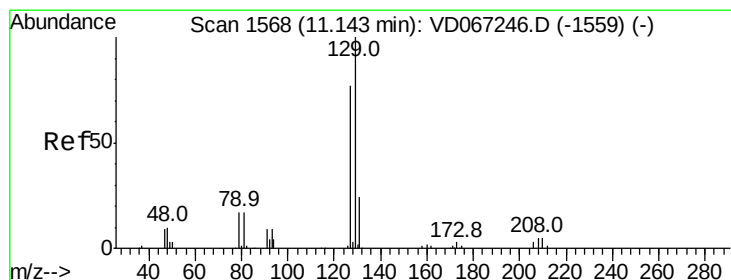
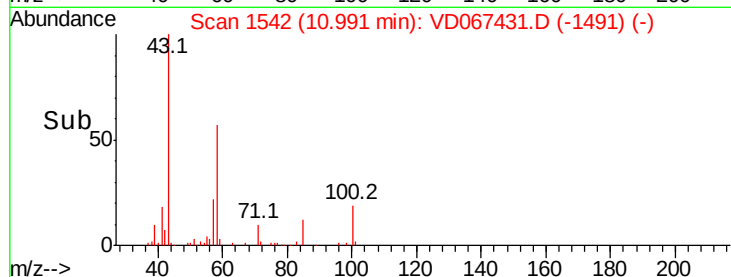
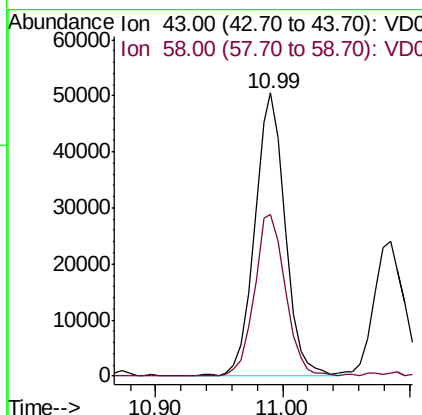
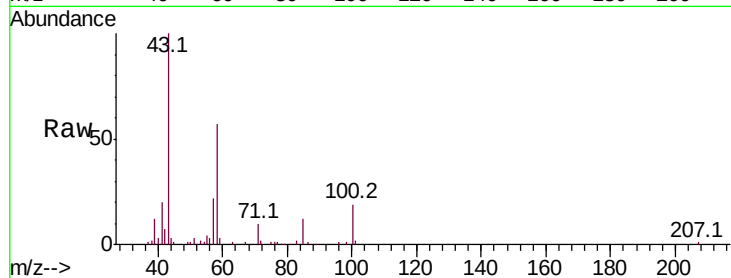




#59
2-Hexanone
Concen: 107.501 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

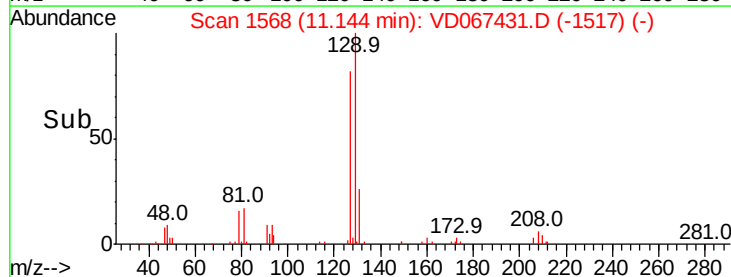
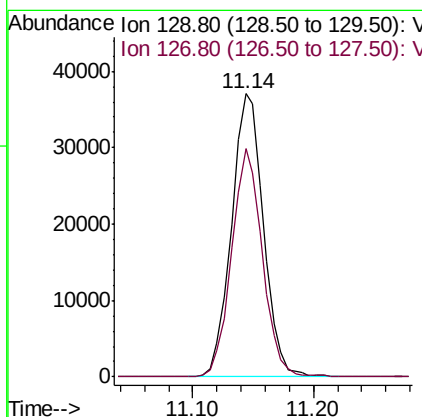
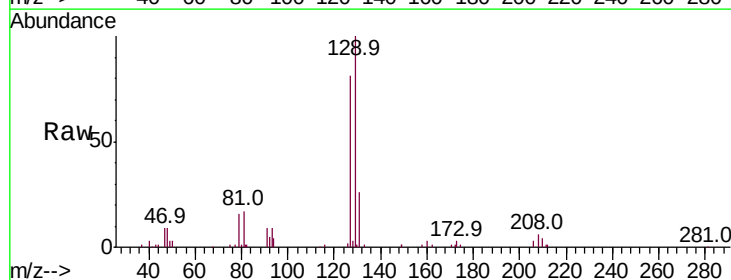
Instrument :
MSVOA_D
ClientSampleId :
VD1028SBSD01

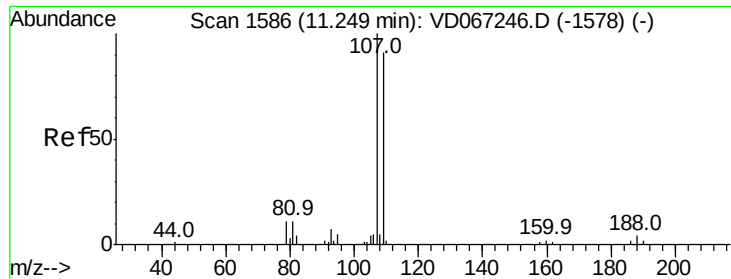
Tot Ion: 43 Resp: 84127
Ion Ratio Lower Upper
43 100
58 59.0 29.3 87.9



#60
Dibromochloromethane
Concen: 22.007 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Tgt Ion: 129 Resp: 68185
Ion Ratio Lower Upper
129 100
127 77.3 38.3 114.8

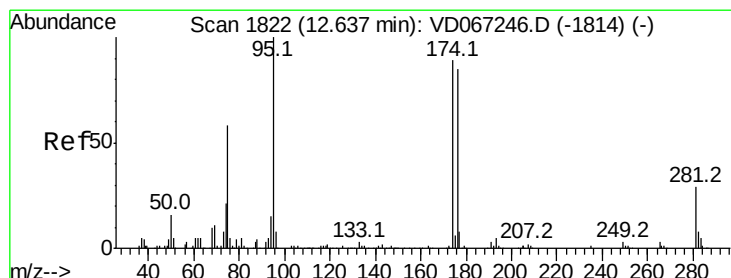
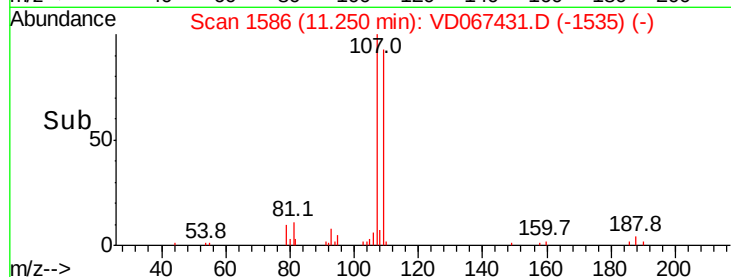
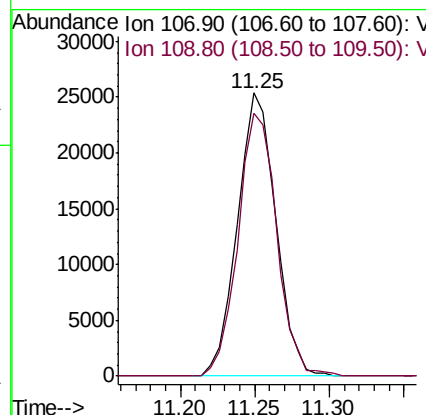
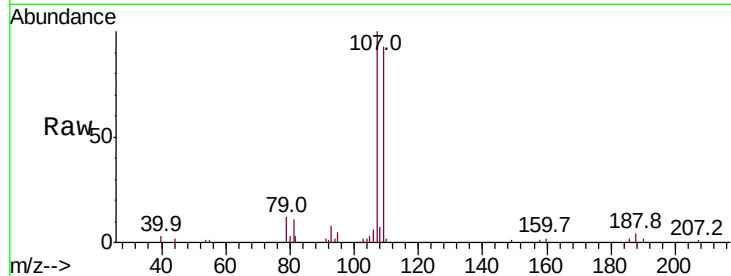




#61
 1,2-Dibromoethane
 Concen: 21.599 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067431.D
 Acq: 28 Oct 2020 13:58

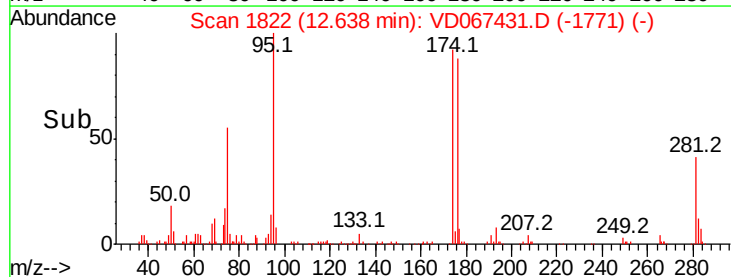
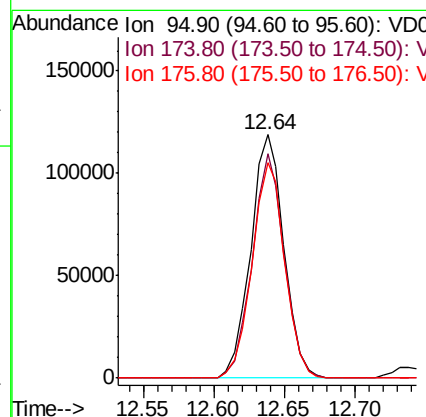
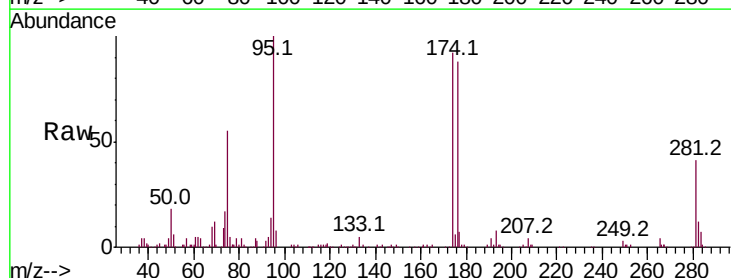
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1028SBSD01

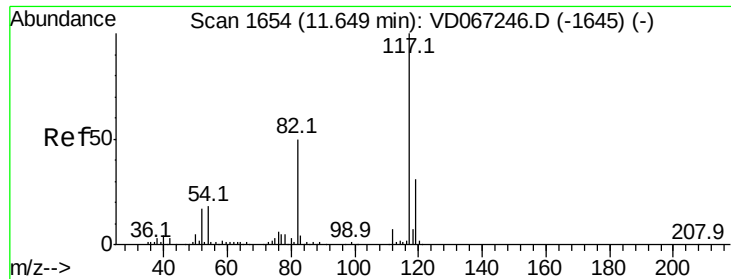
Tot Ion:107 Resp: 45240
 Ion Ratio Lower Upper
 107 100
 109 93.9 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 50.502 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067431.D
 Acq: 28 Oct 2020 13:58

Tgt Ion: 95 Resp: 196254
 Ion Ratio Lower Upper
 95 100
 174 88.6 0.0 175.2
 176 86.9 0.0 168.6

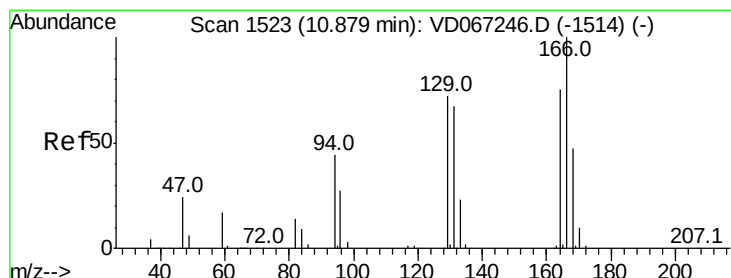
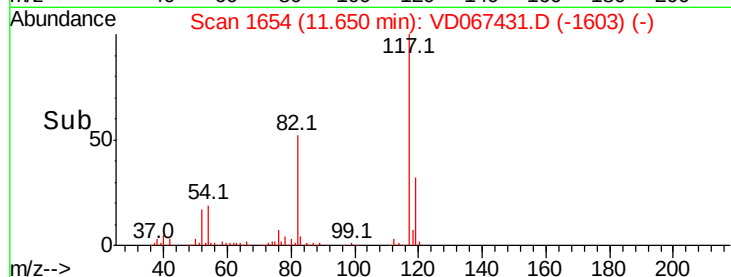
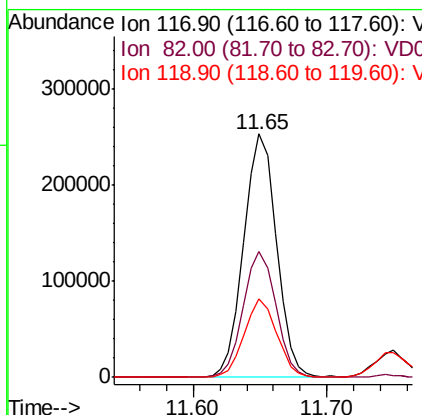
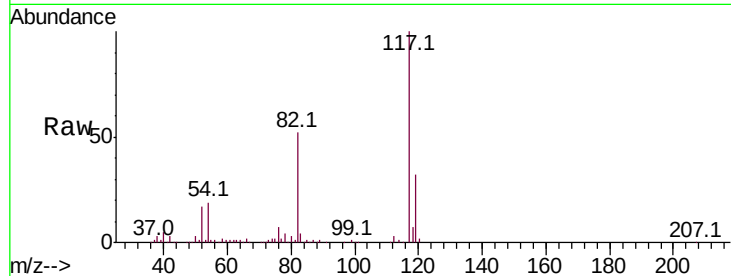




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

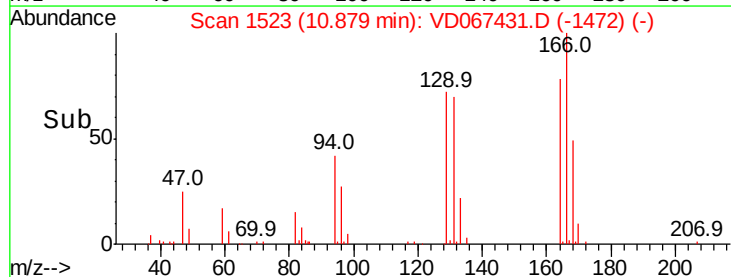
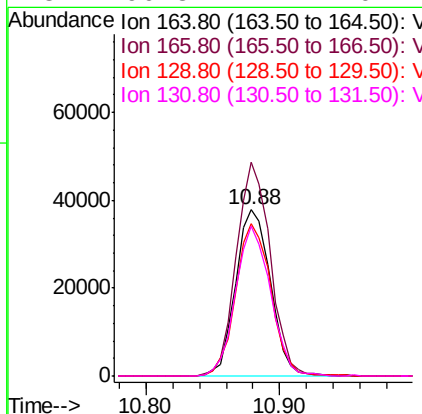
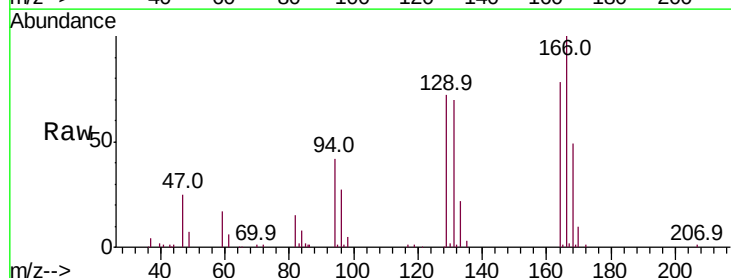
Instrument :
MSVOA_D
ClientSampleId :
VD1028SBSD01

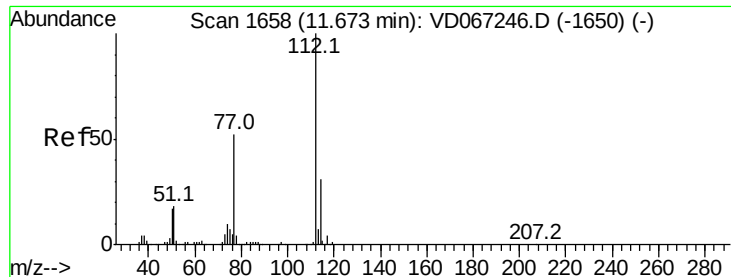
Tot Ion:117 Resp: 432442
Ion Ratio Lower Upper
117 100
82 51.6 39.9 59.9
119 32.5 24.9 37.3



#64
Tetrachloroethene
Concen: 21.822 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Tgt Ion:164 Resp: 68373
Ion Ratio Lower Upper
164 100
166 128.6 107.3 160.9
129 92.0 77.3 115.9
131 90.3 71.4 107.2





#65

Chlorobenzene

Concen: 22.065 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Instrument :

MSVOA_D

ClientSampleId :

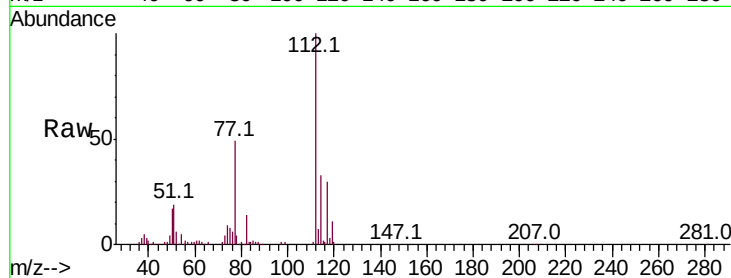
VD1028SBSD01

Tot Ion:112 Resp: 182972

Ion Ratio Lower Upper

112 100

114 33.1 25.0 37.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.67

120000

100000

80000

60000

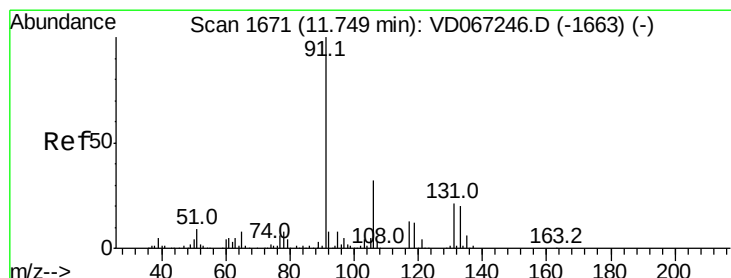
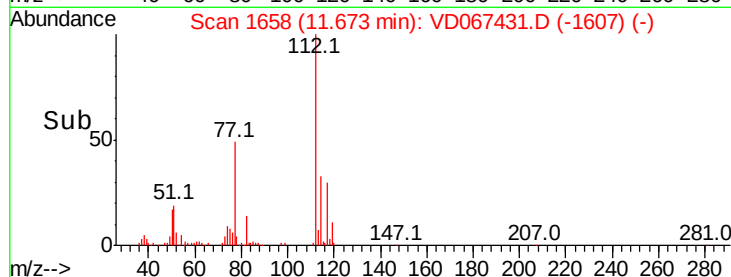
40000

20000

0

Time-->

11.60 11.70



#66

1,1,1,2-Tetrachloroethane

Concen: 22.555 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

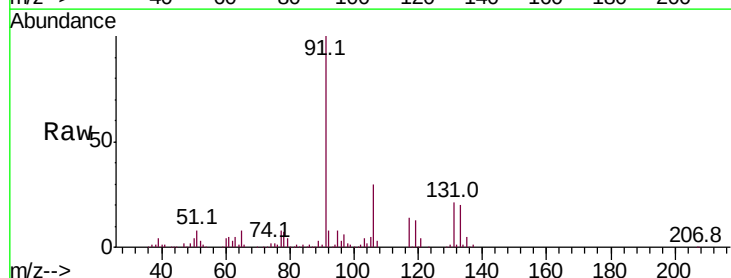
Tgt Ion:131 Resp: 74339

Ion Ratio Lower Upper

131 100

133 95.2 48.1 144.3

119 61.8 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

80000

60000

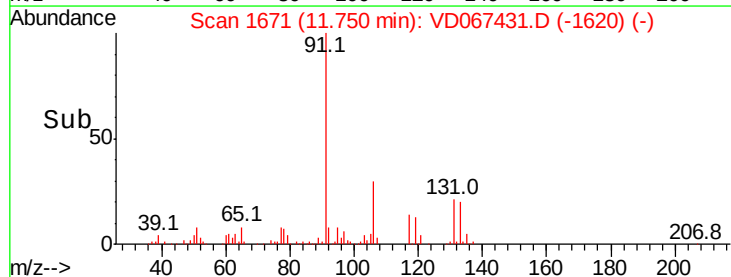
40000

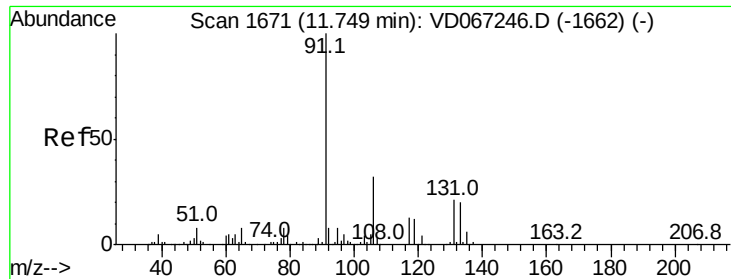
20000

0

Time-->

11.70 11.75 11.80





#67

Ethyl Benzene

Concen: 22.222 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Instrument :

MSVOA_D

ClientSampleId :

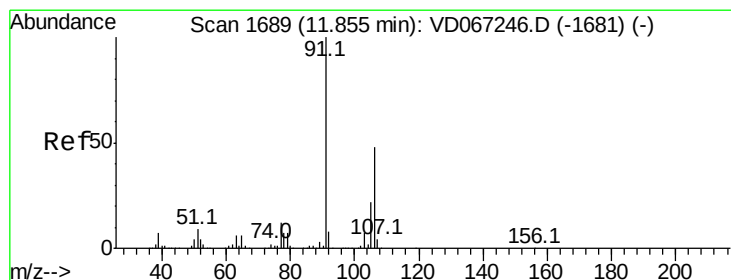
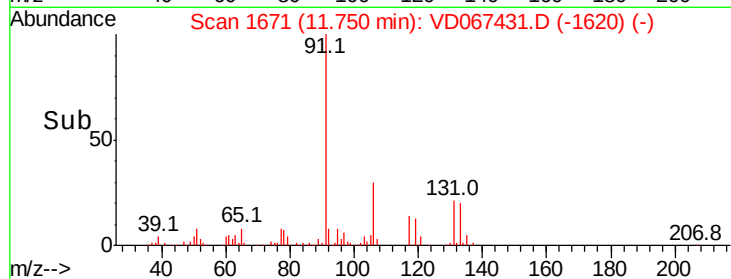
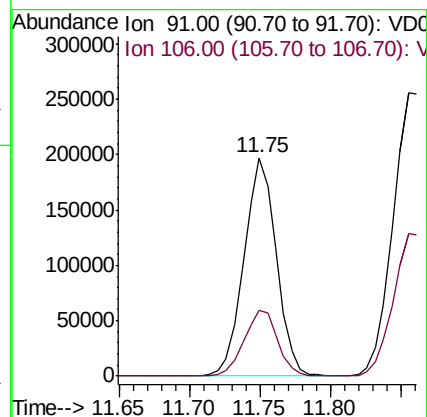
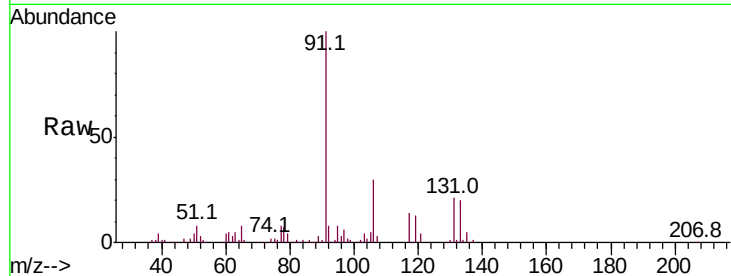
VD1028SBS01

Tot Ion: 91 Resp: 315883

Ion Ratio Lower Upper

91 100

106 30.2 25.4 38.0



#68

m/p-Xylenes

Concen: 44.687 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD067431.D

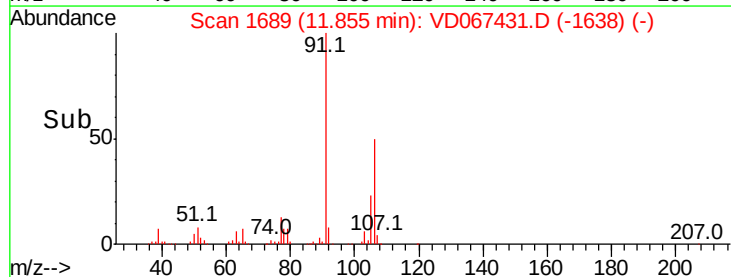
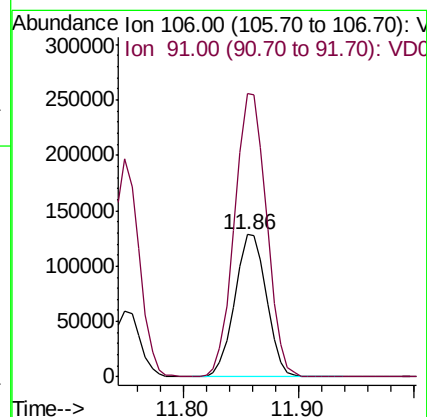
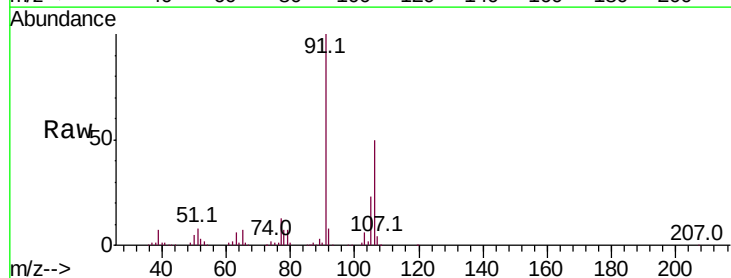
Acq: 28 Oct 2020 13:58

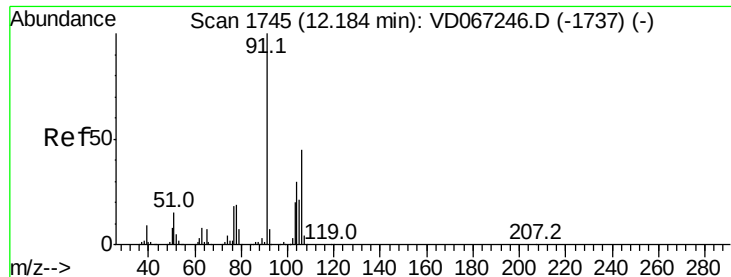
Tgt Ion: 106 Resp: 244613

Ion Ratio Lower Upper

106 100

91 201.6 163.8 245.8

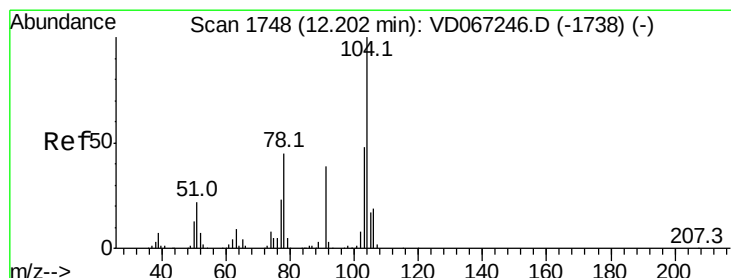
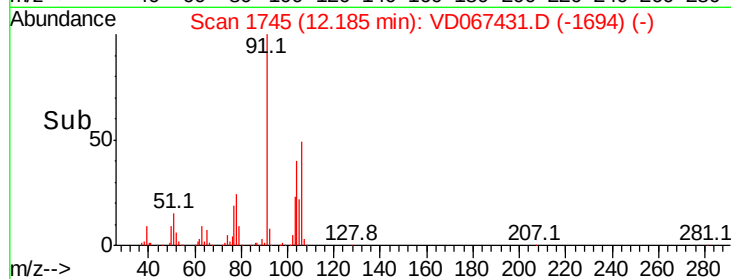
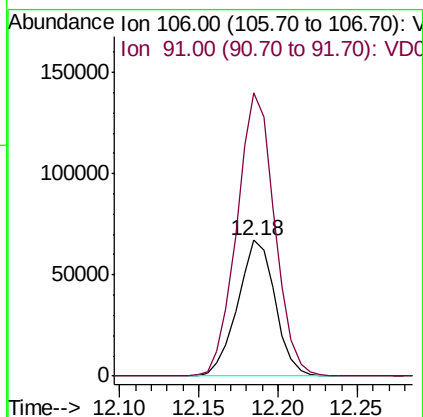
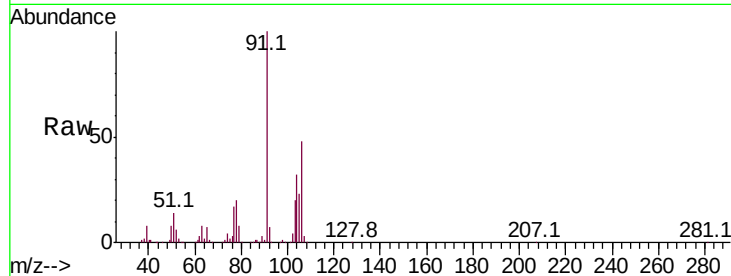




#69
o-Xylene
Concen: 21.688 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

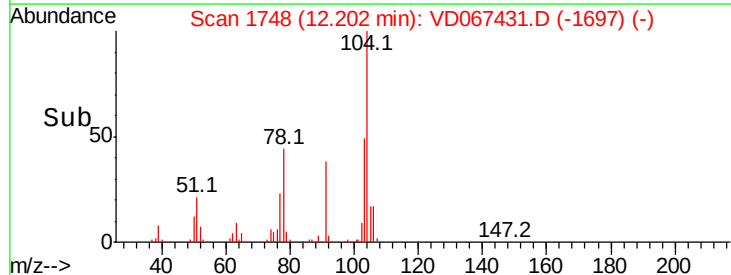
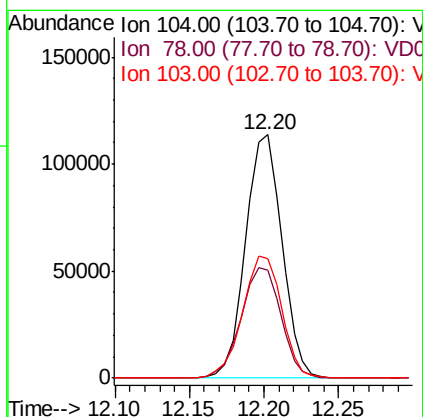
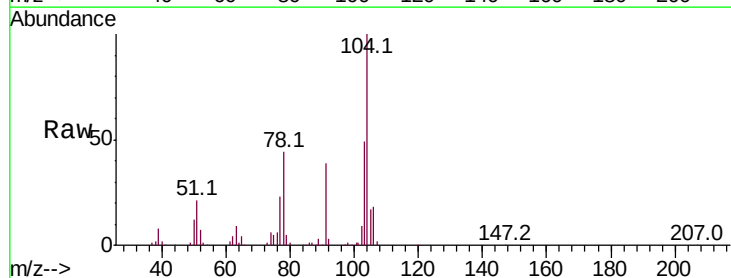
Instrument :
MSVOA_D
ClientSampleId :
VD1028SBSD01

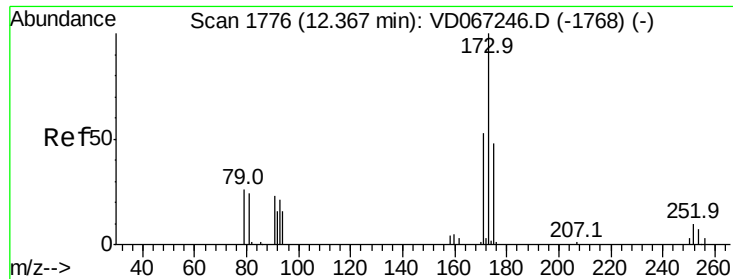
Tot Ion:106 Resp: 109933
Ion Ratio Lower Upper
106 100
91 210.2 109.1 327.3



#70
Styrene
Concen: 22.040 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Tgt Ion:104 Resp: 192318
Ion Ratio Lower Upper
104 100
78 49.9 39.8 59.6
103 54.1 42.6 64.0





#71

Bromoform

Concen: 21.486 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBSD01

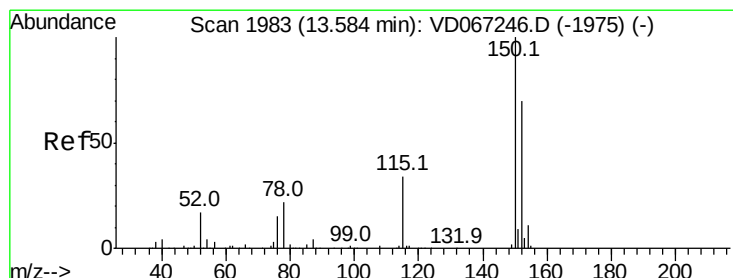
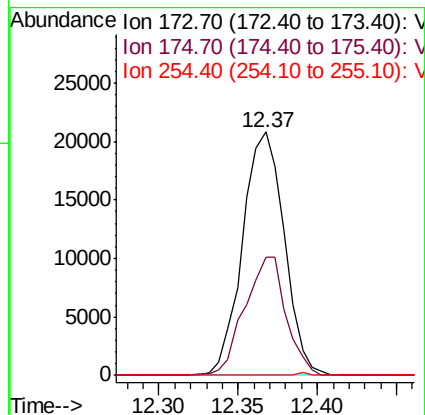
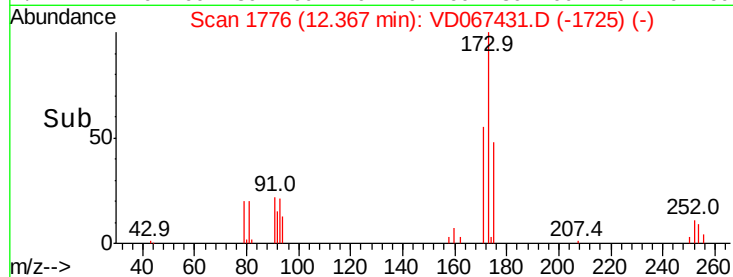
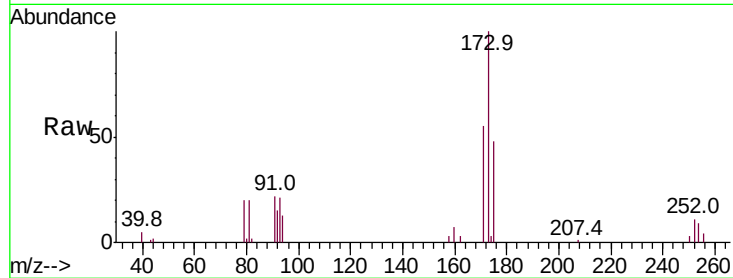
Tot Ion:173 Resp: 38043

Ion Ratio Lower Upper

173 100

175 48.2 24.2 72.6

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

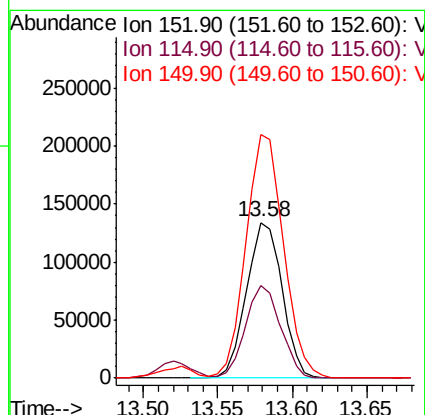
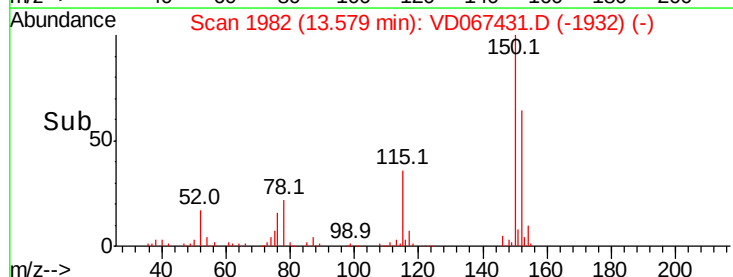
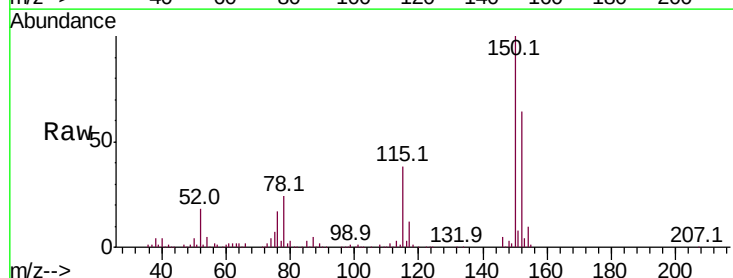
Tgt Ion:152 Resp: 220822

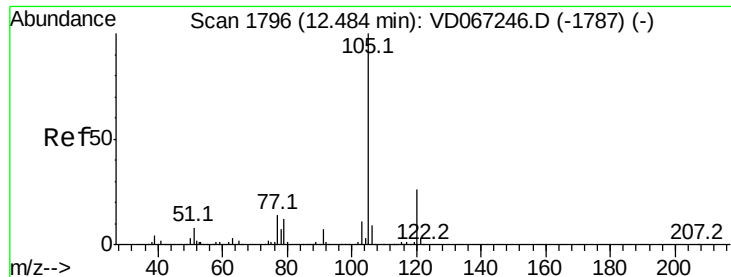
Ion Ratio Lower Upper

152 100

115 59.3 29.3 87.9

150 165.8 0.0 339.0





#73

Isopropylbenzene

Concen: 22.371 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Instrument :

MSVOA_D

ClientSampleId :

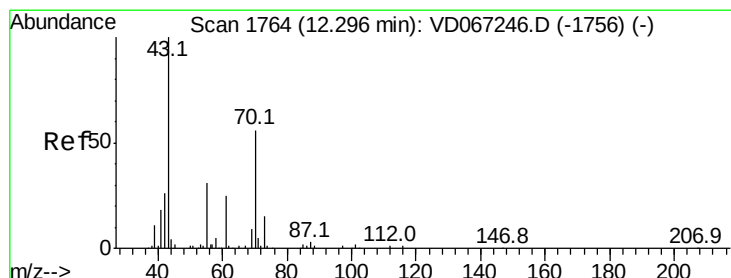
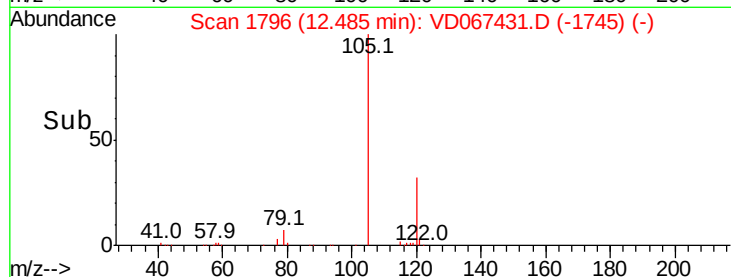
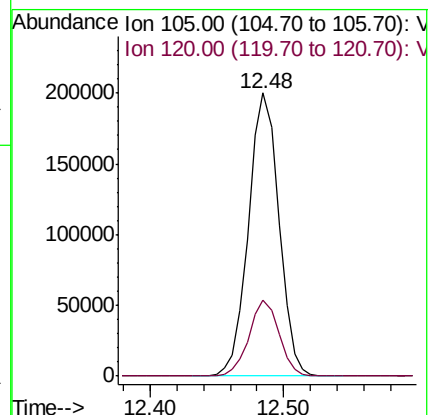
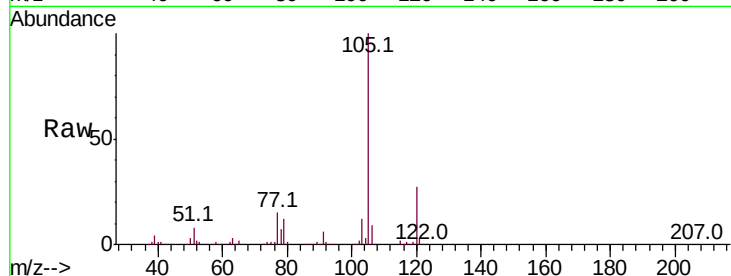
VD1028SBSD01

Tot Ion:105 Resp: 313530

Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.8



#74

N-ethyl acetate

Concen: 20.943 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Tgt Ion: 43 Resp: 44329

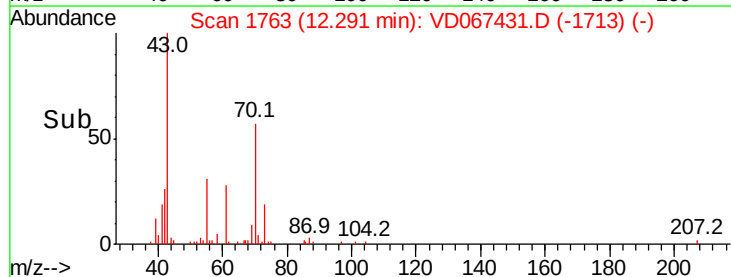
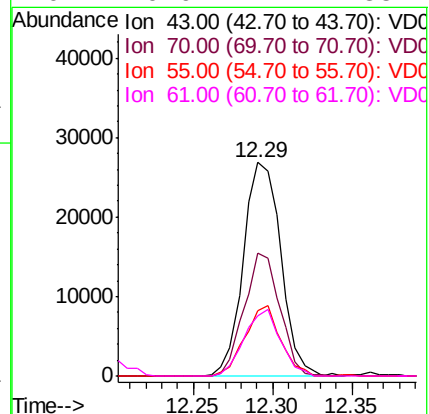
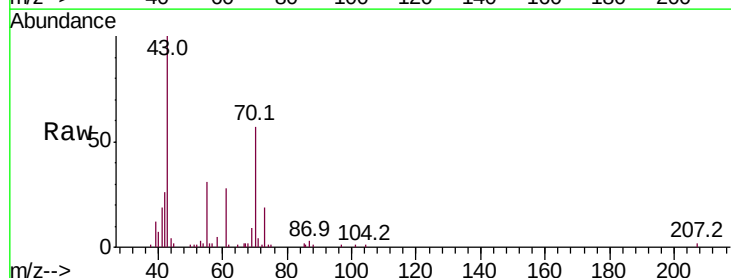
Ion Ratio Lower Upper

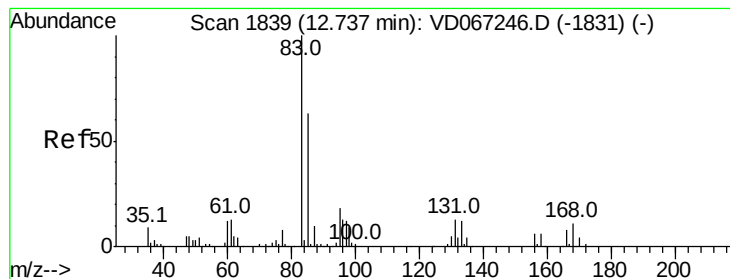
43 100

70 54.5 42.7 64.1

55 31.1 24.0 36.0

61 29.9 22.2 33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.571 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBSD01

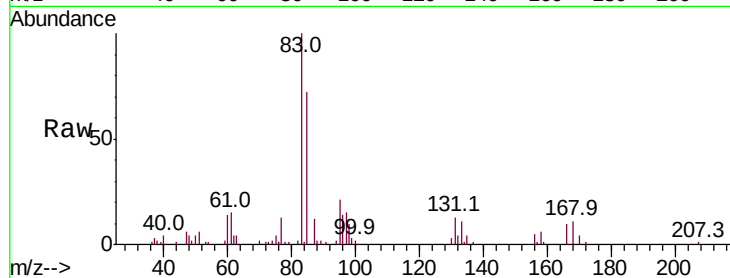
Tot Ion: 83 Resp: 44175

Ion Ratio Lower Upper

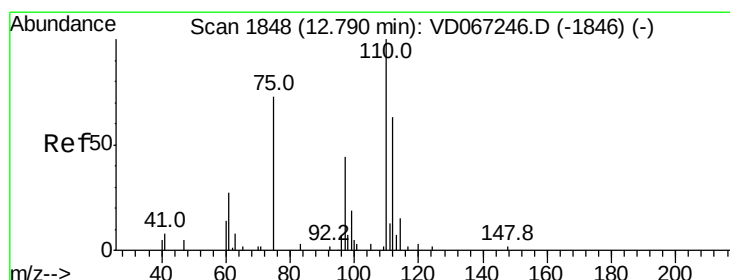
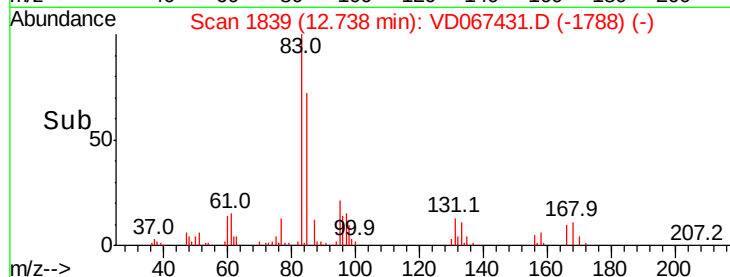
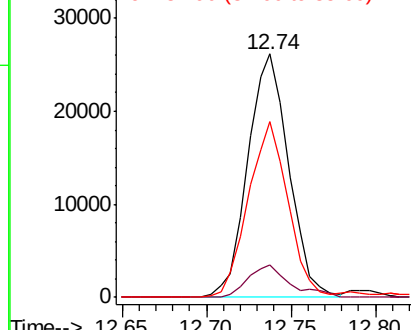
83 100

131 13.7 6.5 19.5

85 69.8 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: 41.155 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD067431.D

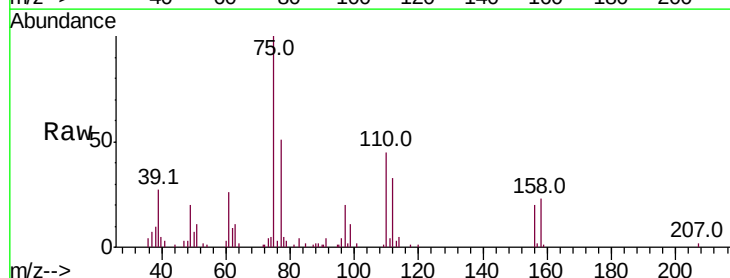
Acq: 28 Oct 2020 13:58

Tgt Ion: 75 Resp: 62988

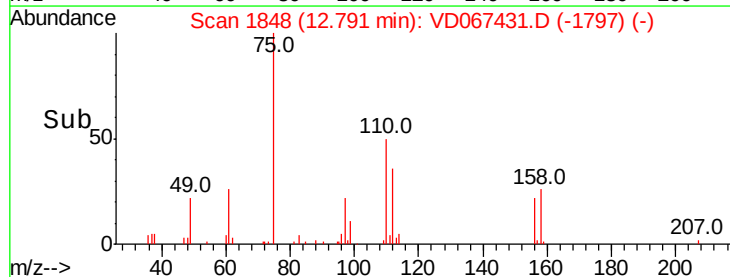
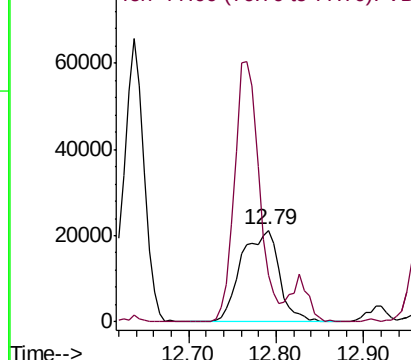
Ion Ratio Lower Upper

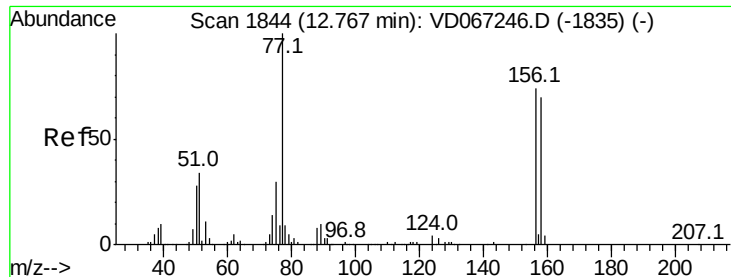
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 21.644 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBSD01

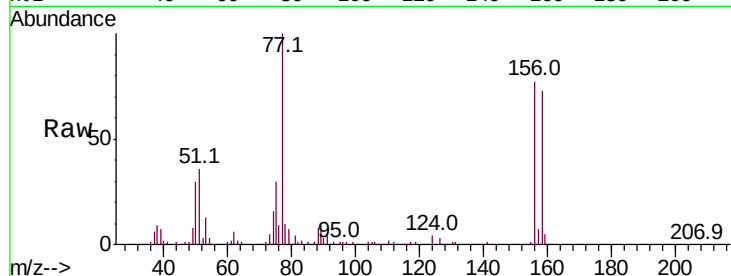
Tot Ion:156 Resp: 75624

Ion Ratio Lower Upper

156 100

77 152.8 78.0 233.8

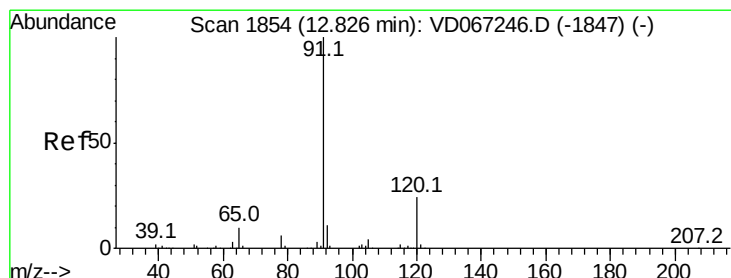
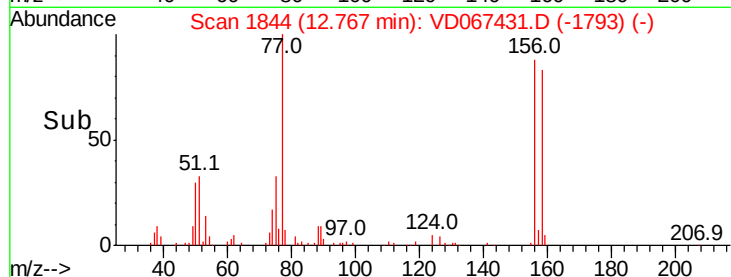
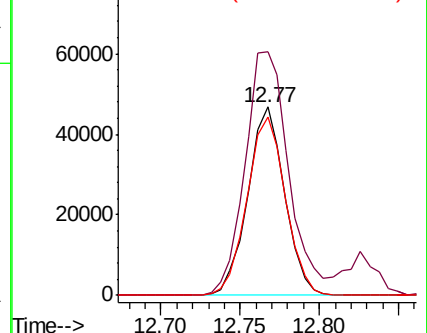
158 98.8 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.057 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067431.D

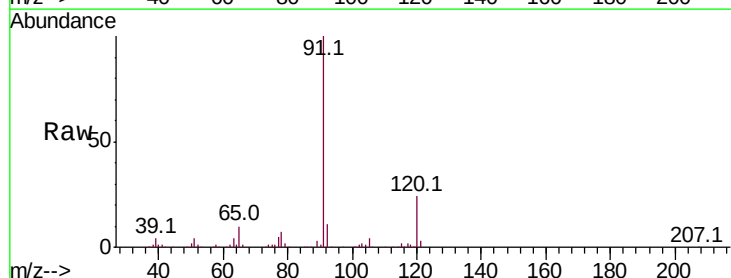
Acq: 28 Oct 2020 13:58

Tgt Ion: 91 Resp: 358155

Ion Ratio Lower Upper

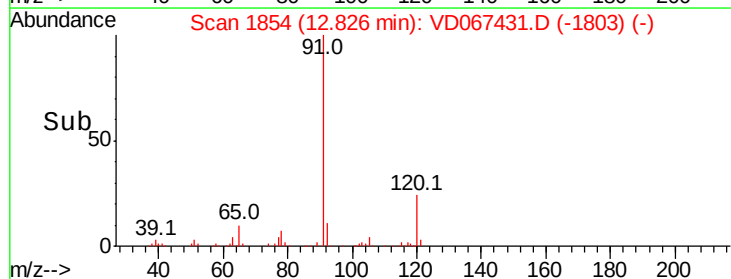
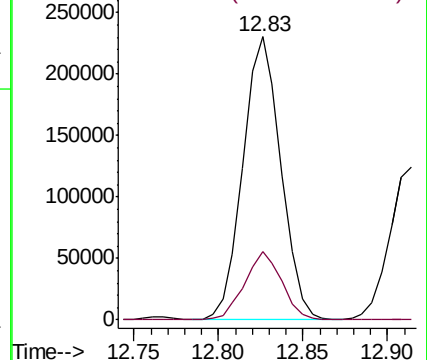
91 100

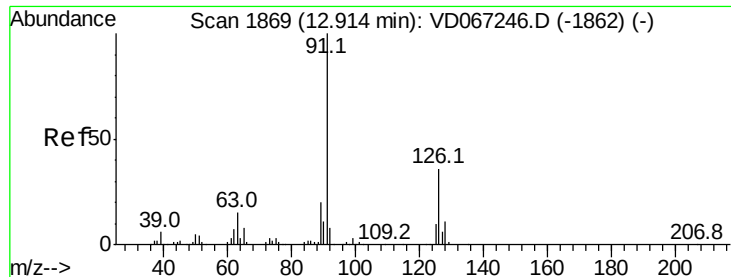
120 23.8 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.969 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Instrument :

MSVOA_D

ClientSampleId :

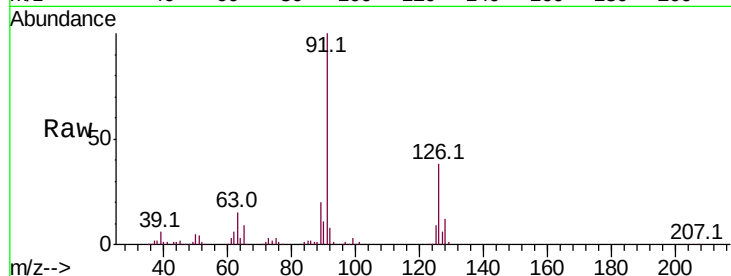
VD1028SBSD01

Tot Ion: 91 Resp: 206880

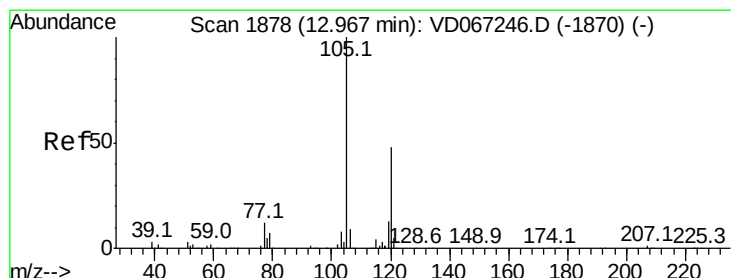
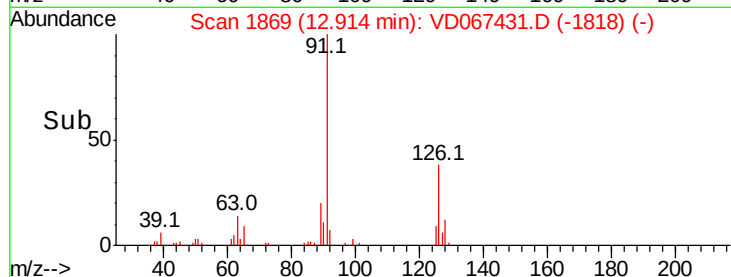
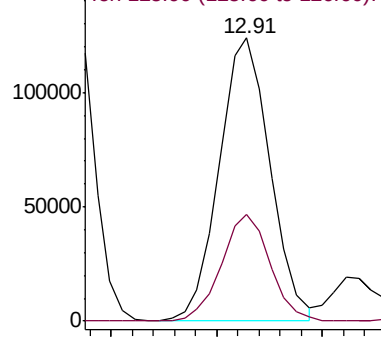
Ion Ratio Lower Upper

91 100

126 36.1 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 22.103 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067431.D

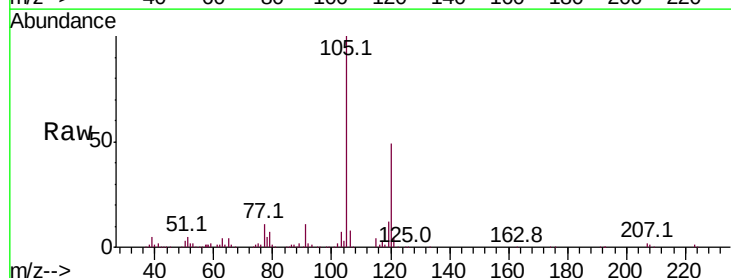
Acq: 28 Oct 2020 13:58

Tgt Ion:105 Resp: 269189

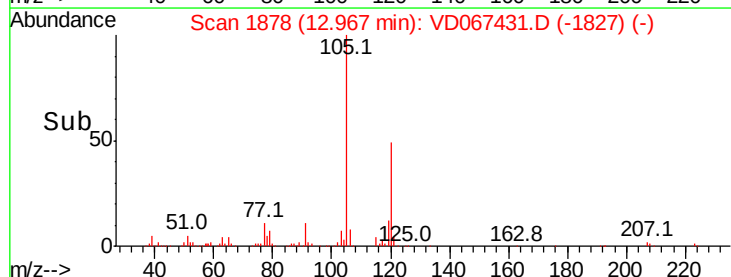
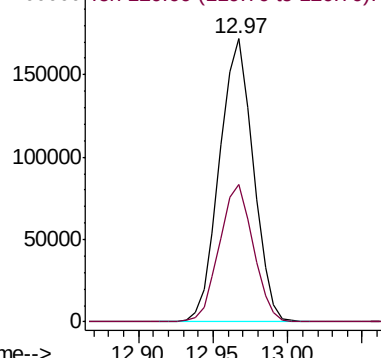
Ion Ratio Lower Upper

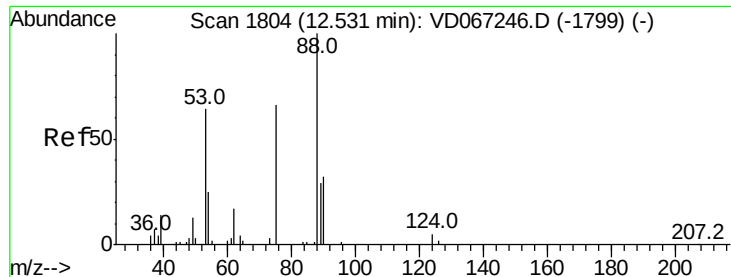
105 100

120 48.8 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

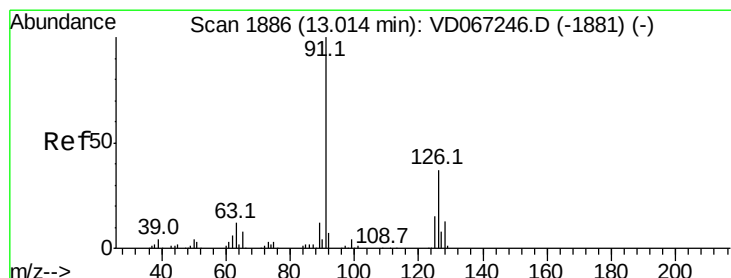
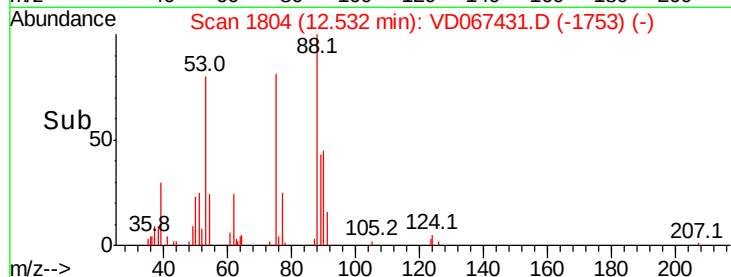
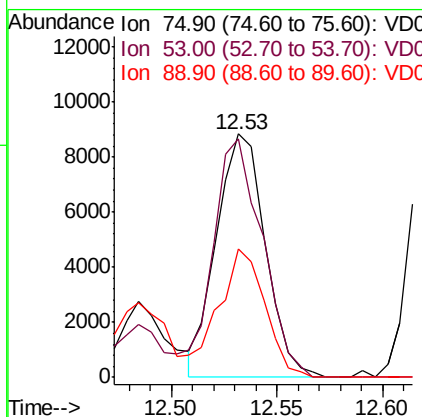
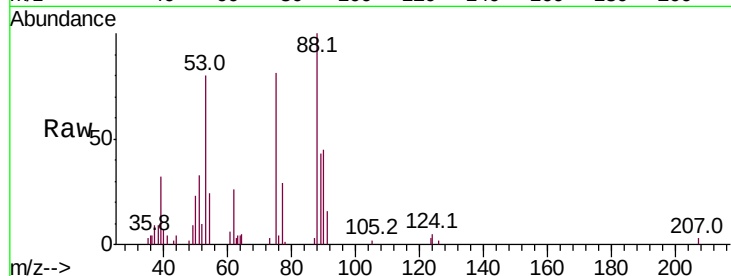




#81
trans-1,4-Dichloro-2-butene
Concen: 21.035 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

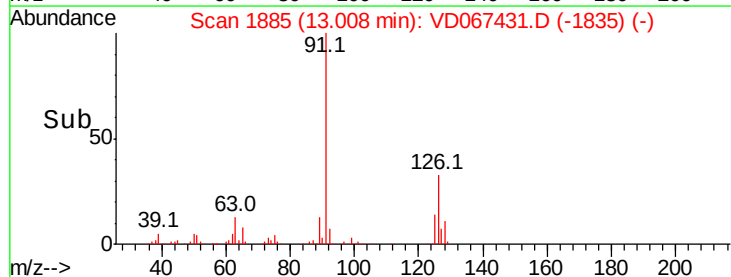
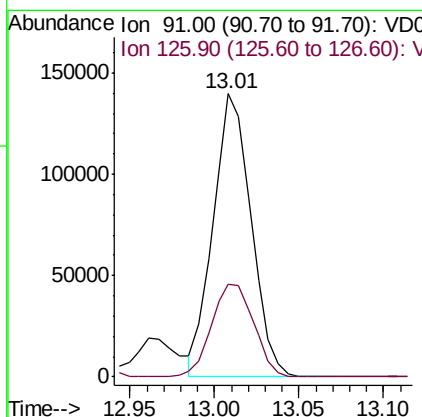
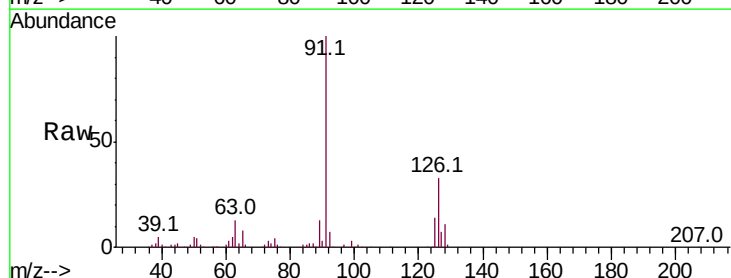
Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

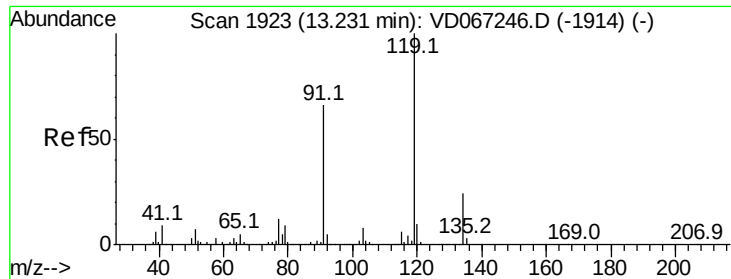
Tot Ion: 75 Resp: 14197
Ion Ratio Lower Upper
75 100
53 99.2 78.5 117.7
89 49.6 39.9 59.9



#82
4-Chlorotoluene
Concen: 21.884 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Tgt Ion: 91 Resp: 218719
Ion Ratio Lower Upper
91 100
126 36.3 17.8 53.5

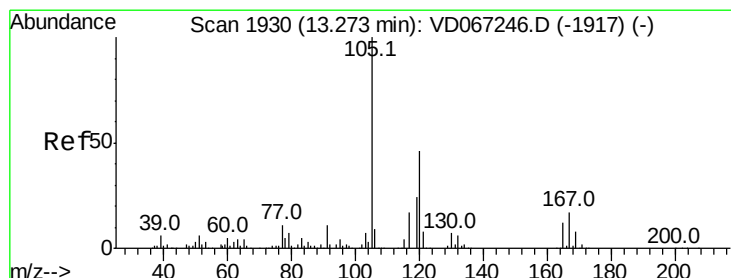
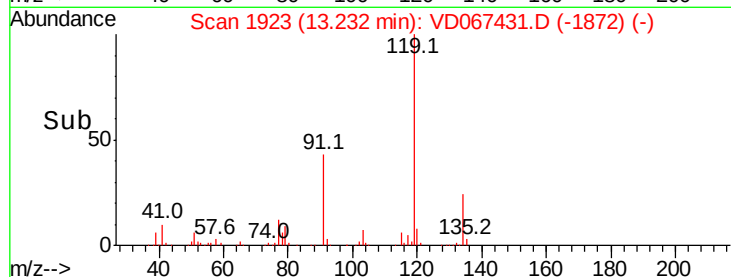
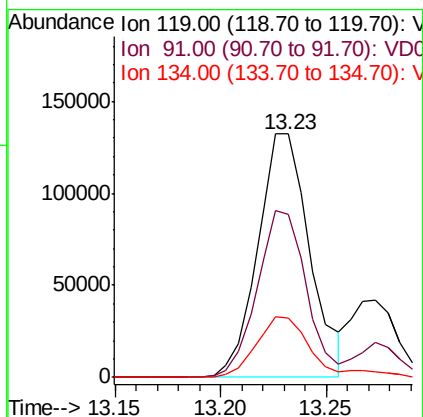
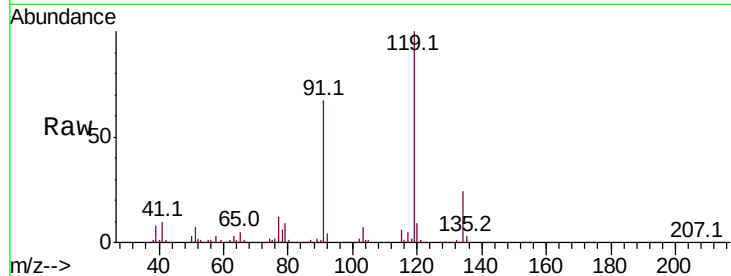




#83
 tert-Butylbenzene
 Concen: 22.064 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD067431.D
 Acq: 28 Oct 2020 13:58

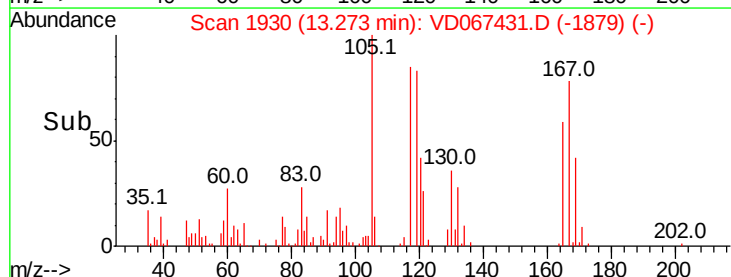
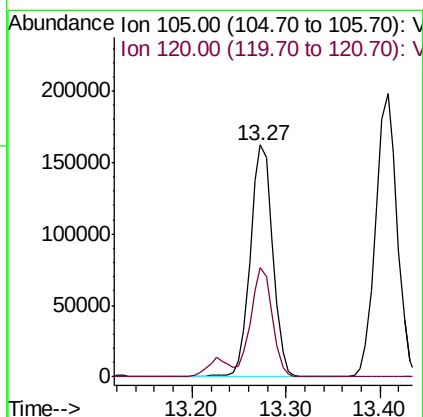
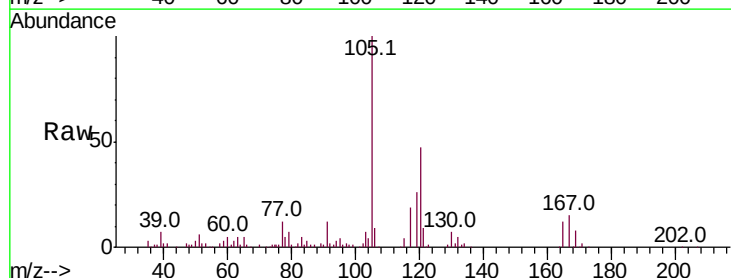
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1028SBS01

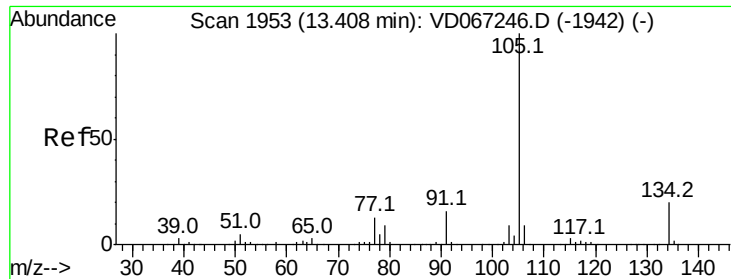
Tot Ion:119 Resp: 226987
 Ion Ratio Lower Upper
 119 100
 91 64.5 33.1 99.2
 134 26.9 13.3 39.9



#84
 1,2,4-Trimethylbenzene
 Concen: 22.241 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD067431.D
 Acq: 28 Oct 2020 13:58

Tgt Ion:105 Resp: 267717
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.4 67.3

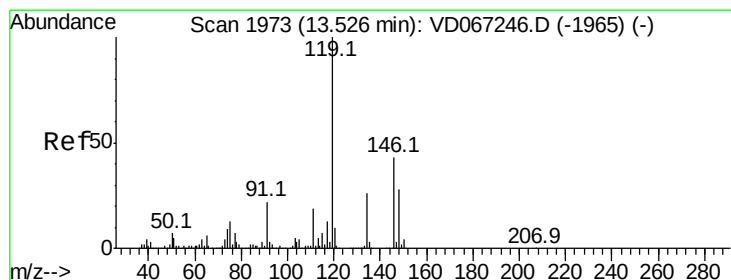
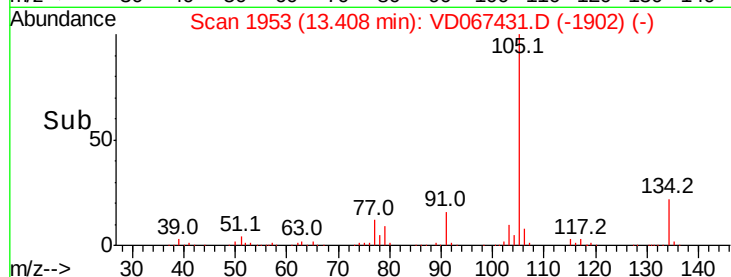
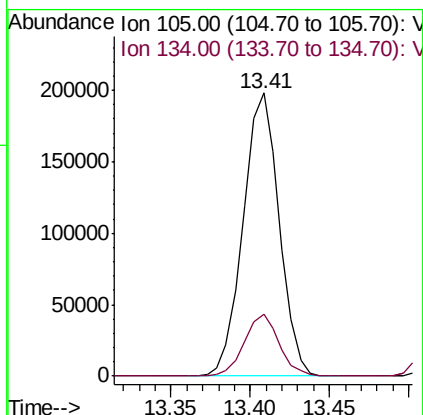
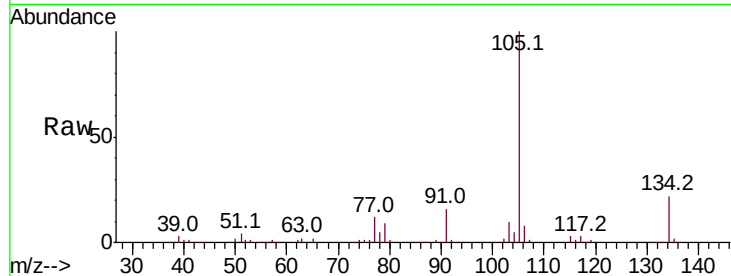




#85
 sec-Butylbenzene
 Concen: 22.206 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067431.D
 Acq: 28 Oct 2020 13:58

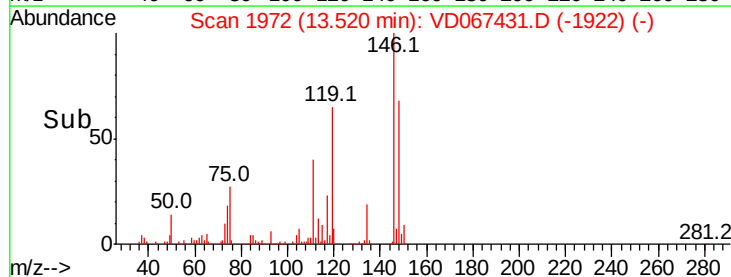
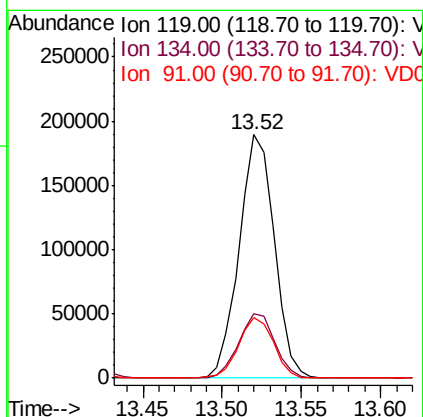
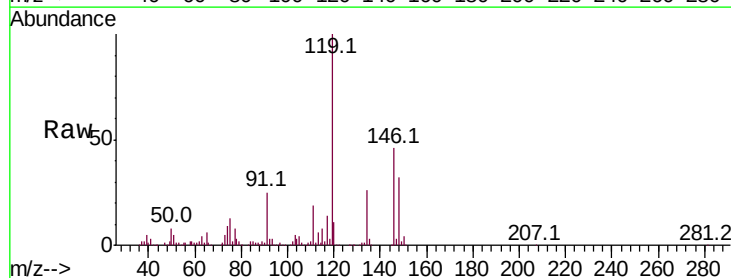
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1028SBS01

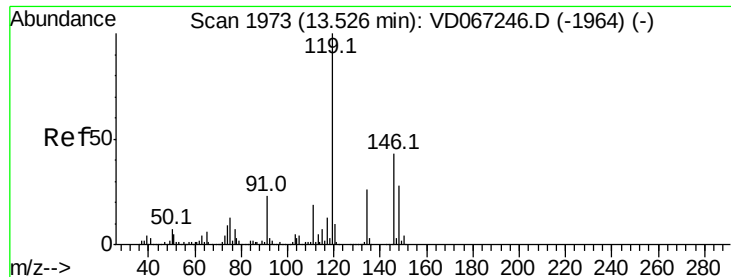
Tot Ion:105 Resp: 313464
 Ion Ratio Lower Upper
 105 100
 134 21.2 10.5 31.5



#86
 p-Isopropyltoluene
 Concen: 21.900 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067431.D
 Acq: 28 Oct 2020 13:58

Tgt Ion:119 Resp: 291795
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.1 39.3
 91 24.5 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 22.455 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBSD01

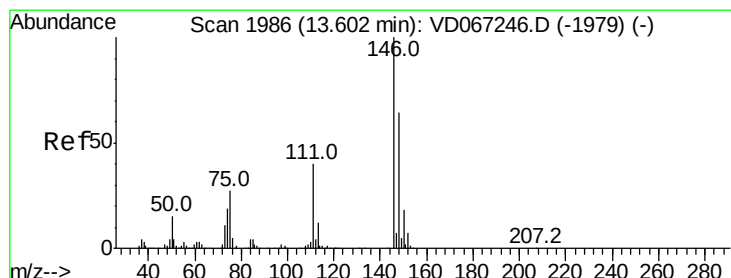
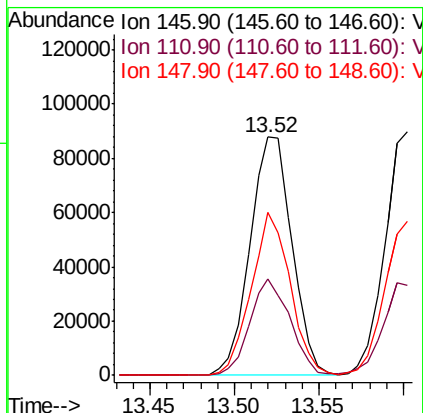
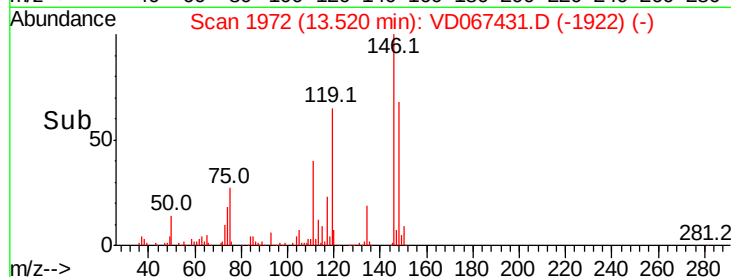
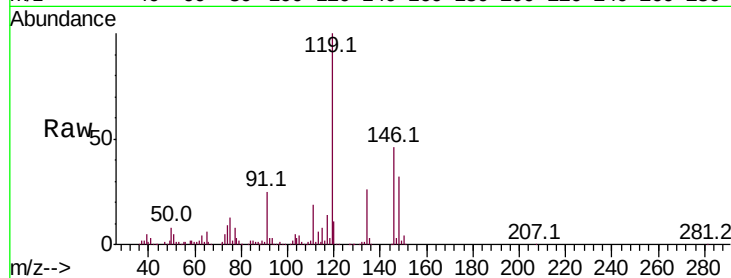
Tot Ion:146 Resp: 151012

Ion Ratio Lower Upper

146 100

111 38.7 21.1 63.3

148 63.5 31.9 95.9



#88

1,4-Dichlorobenzene

Concen: 22.239 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

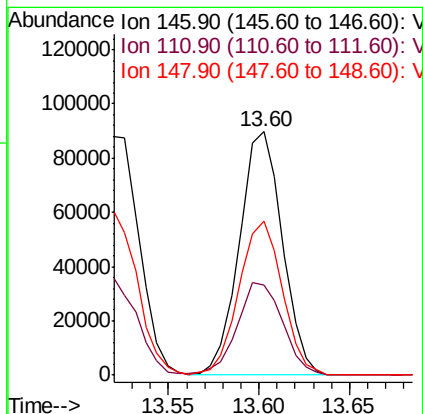
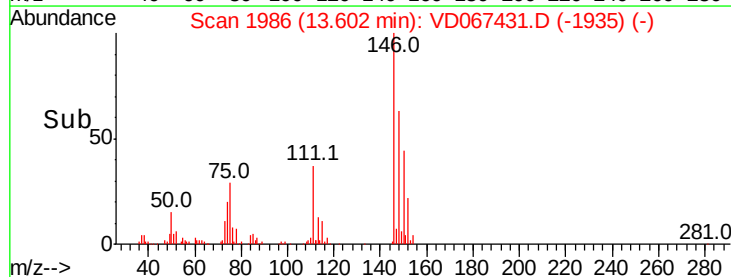
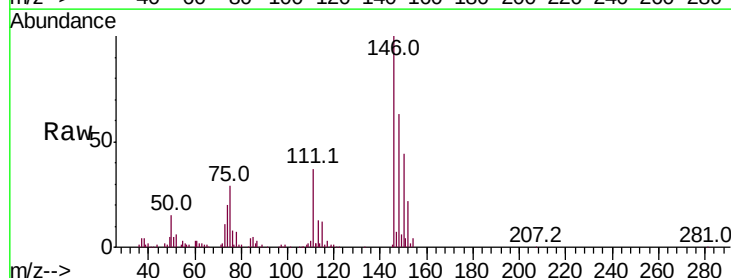
Tgt Ion:146 Resp: 148176

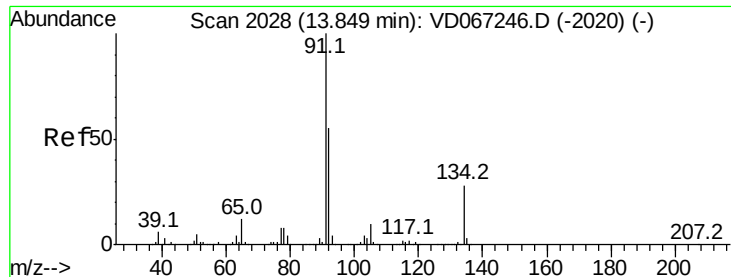
Ion Ratio Lower Upper

146 100

111 40.5 19.9 59.7

148 64.1 31.9 95.9

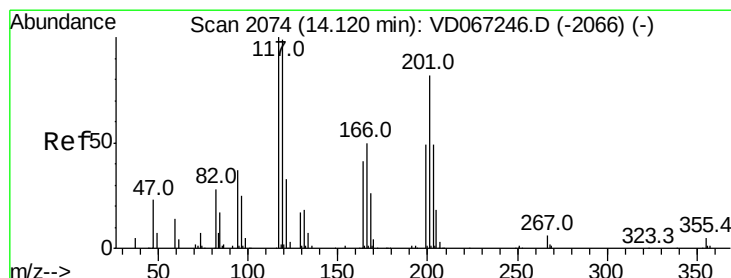
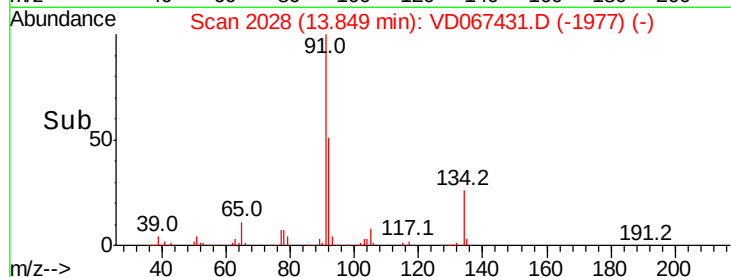
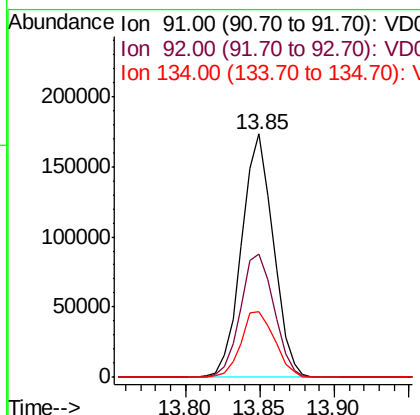
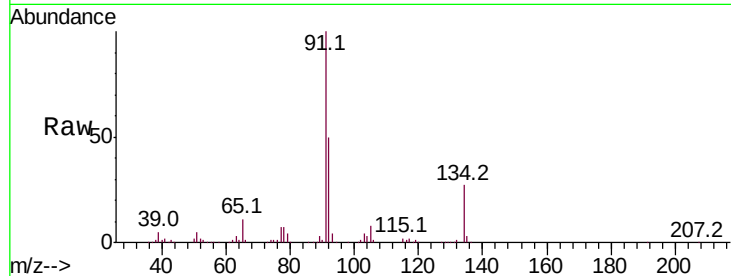




#89
n-Butylbenzene
Concen: 21.822 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

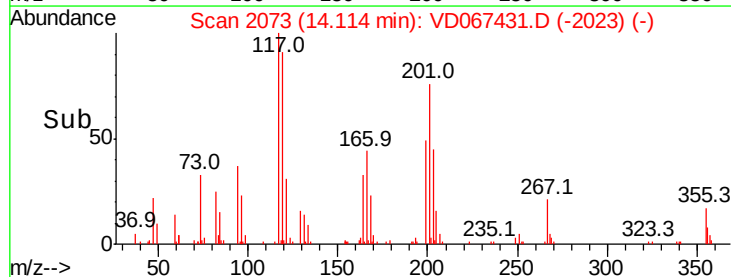
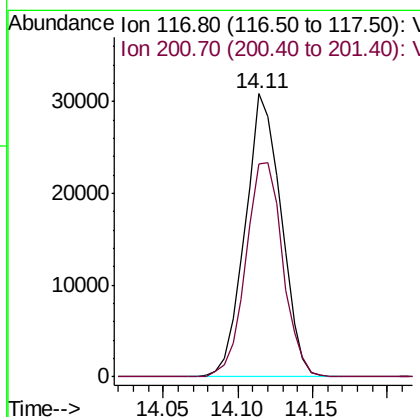
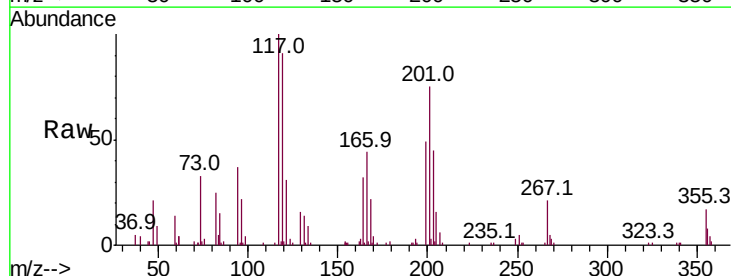
Instrument :
MSVOA_D
ClientSampleId :
VD1028SBSD01

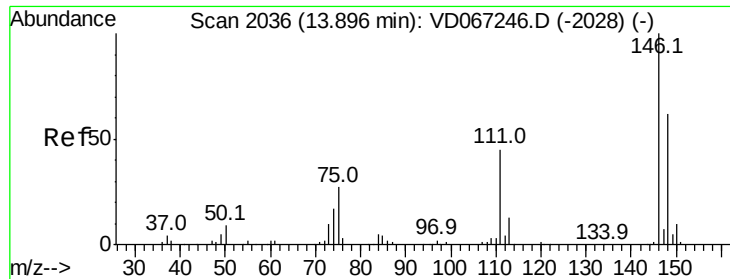
Tot Ion: 91 Resp: 255791
Ion Ratio Lower Upper
91 100
92 53.5 26.7 80.0
134 28.4 14.2 42.6



#90
Hexachloroethane
Concen: 22.117 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Tgt Ion: 117 Resp: 51424
Ion Ratio Lower Upper
117 100
201 77.8 40.8 122.2

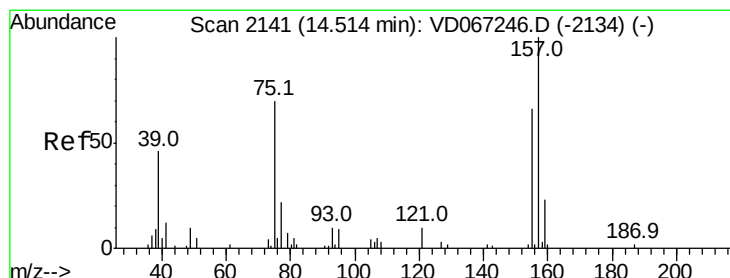
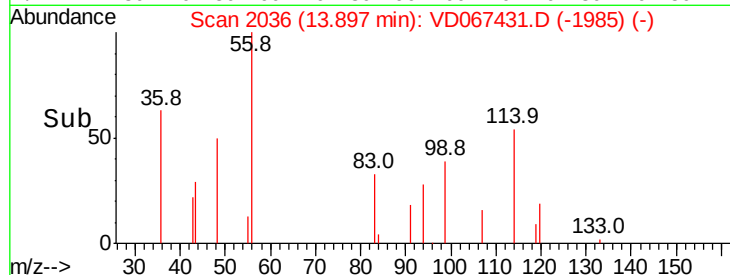
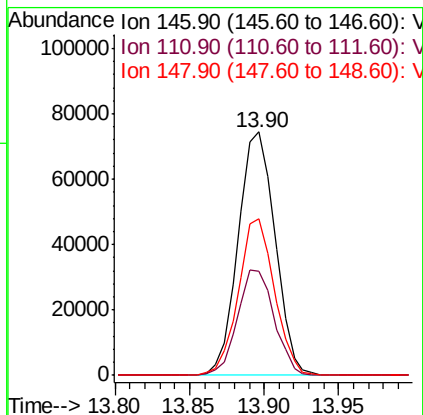
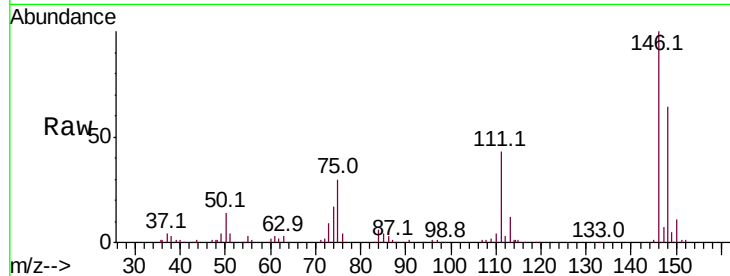




#91
 1,2-Dichlorobenzene
 Concen: 21.787 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067431.D
 Acq: 28 Oct 2020 13:58

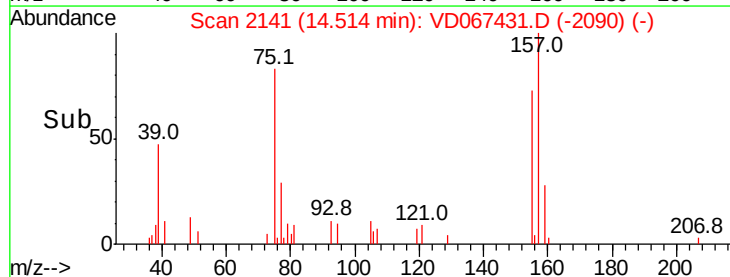
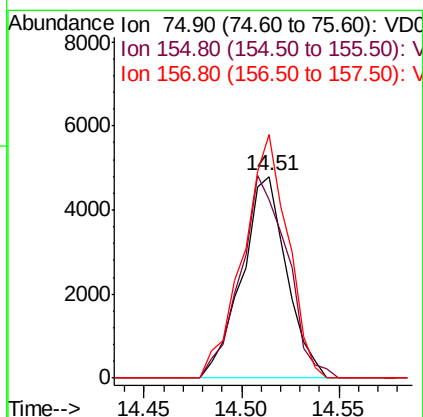
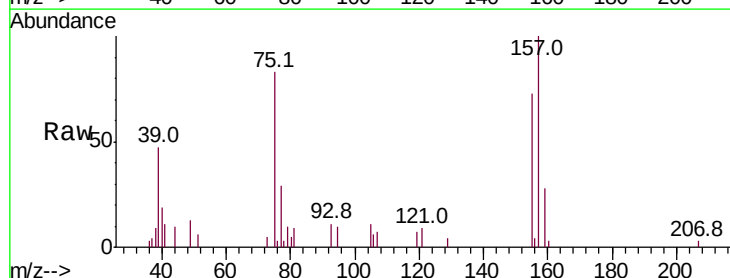
Instrument :
 MSVOA_D
 ClientSampleID :
 VD1028SBSD01

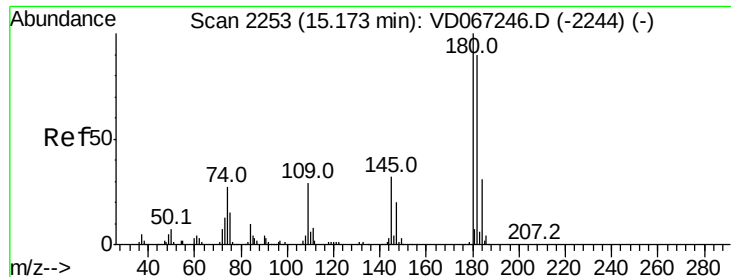
Tot Ion:146 Resp: 128000
 Ion Ratio Lower Upper
 146 100
 111 42.8 22.0 66.0
 148 62.9 32.5 97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.468 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067431.D
 Acq: 28 Oct 2020 13:58

Tgt Ion: 75 Resp: 7595
 Ion Ratio Lower Upper
 75 100
 155 105.1 44.8 134.4
 157 120.6 62.5 187.4

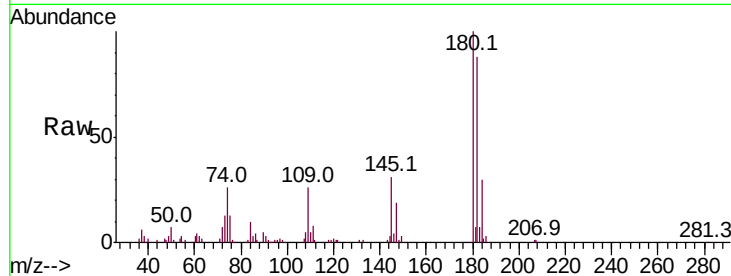




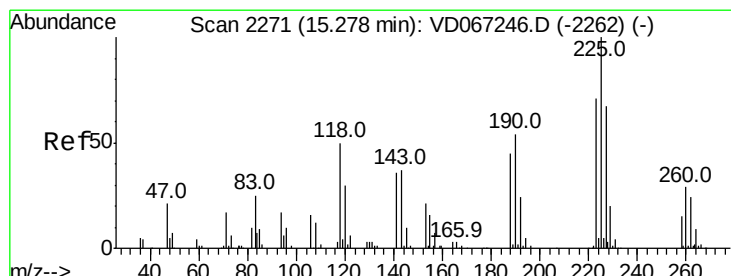
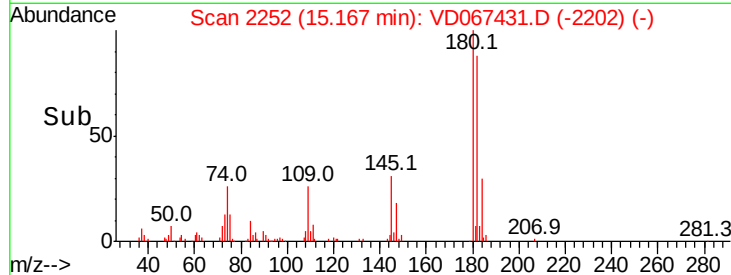
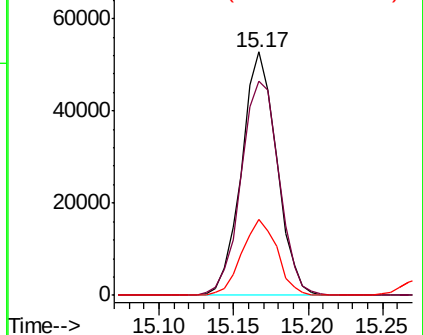
#93
1,2,4-Trichlorobenzene
Concen: 21.776 ug/l
RT: 15.17 min Scan# 2252
Delta R.T. -0.01 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.1	144.4
145	31.1	16.3	48.9

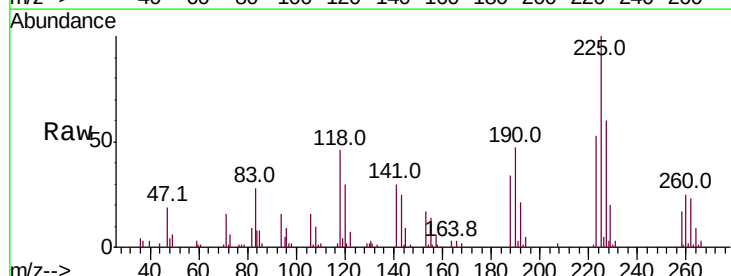


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

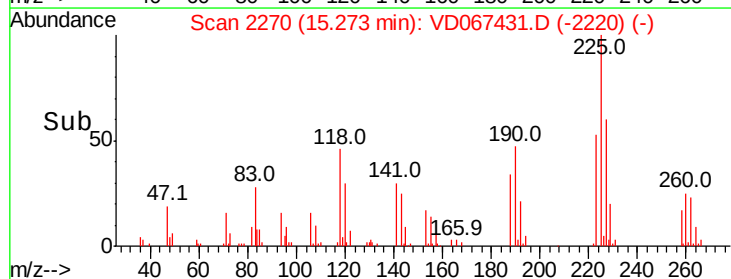
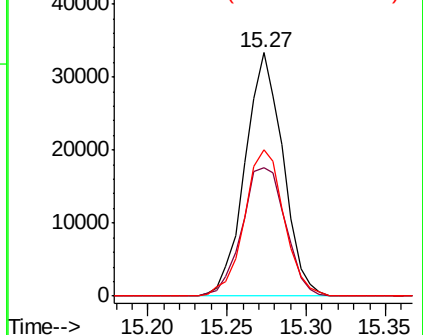


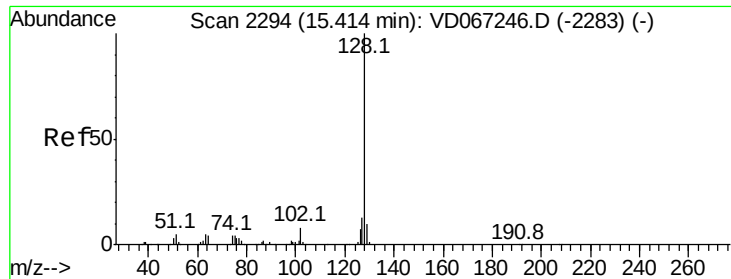
#94
Hexachlorobutadiene
Concen: 22.546 ug/l
RT: 15.27 min Scan# 2270
Delta R.T. -0.01 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.3	31.9	95.7
227	62.6	31.2	93.6



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

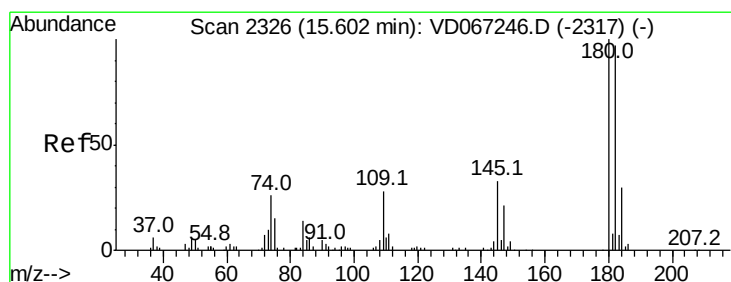
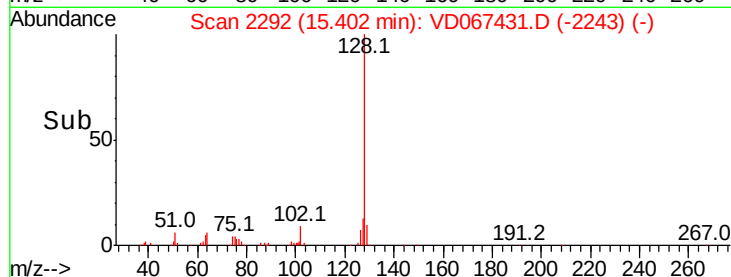
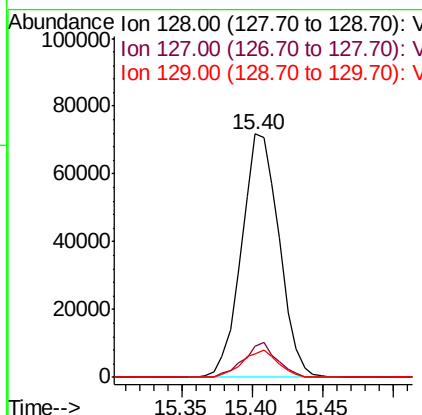
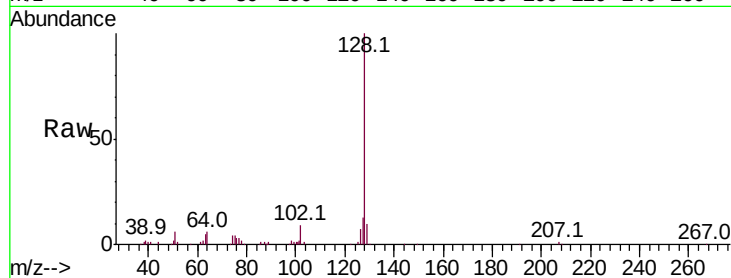




#95
Naphthalene
Concen: 20.578 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.01 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Instrument :
MSVOA_D
ClientSampleId :
VD1028SBSD01

Tot Ion:128 Resp: 133830
Ion Ratio Lower Upper
128 100
127 12.7 10.4 15.6
129 10.7 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 21.850 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Tgt Ion:180 Resp: 74773
Ion Ratio Lower Upper
180 100
182 96.0 48.1 144.3
145 34.8 17.3 51.9

