

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101320\
 Data File : VD067245.D
 Acq On : 13 Oct 2020 11:22
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Nov 09 04:06:50 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	7.98	168	334031	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	503952	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	474717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	241994	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	68093	20.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.70%	
35) Dibromofluoromethane	7.91	113	66095	19.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.42%	
50) Toluene-d8	10.34	98	241572	19.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.80%	
62) 4-Bromofluorobenzene	12.64	95	85649	20.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	67461	22.780	ug/l	93
3) Chloromethane	2.21	50	44199	21.025	ug/l	94
4) Vinyl Chloride	2.35	62	47899	20.766	ug/l	97
5) Bromomethane	2.76	94	36125	21.151	ug/l	92
6) Chloroethane	2.92	64	30685	21.361	ug/l	99
7) Trichlorofluoromethane	3.27	101	121717	20.956	ug/l	91
8) Diethyl Ether	3.70	74	26793	20.159	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.09	101	63732	20.653	ug/l	97
10) Methyl Iodide	4.30	142	54591	19.178	ug/l	98
11) Tert butyl alcohol	5.21	59	25556	123.882	ug/l	100
12) 1,1-Dichloroethene	4.06	96	56922	20.648	ug/l	93
13) Acrolein	3.92	56	13571	83.637	ug/l	91
14) Allyl chloride	4.71	41	63990	20.269	ug/l	98
15) Acrylonitrile	5.43	53	45738	103.136	ug/l	98
16) Acetone	4.16	43	48139	102.713	ug/l	92
17) Carbon Disulfide	4.41	76	160746	20.453	ug/l	100
18) Methyl Acetate	4.72	43	22127	20.699	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	114766	20.936	ug/l #	89
20) Methylene Chloride	4.96	84	72432	21.575	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	62481	19.695	ug/l	95
22) Diisopropyl ether	6.36	45	128593	22.297	ug/l	97
23) Vinyl Acetate	6.31	43	347102	105.789	ug/l	95
24) 1,1-Dichloroethane	6.27	63	102645	20.792	ug/l	96
25) 2-Butanone	7.22	43	55670	104.203	ug/l	90
26) 2,2-Dichloropropane	7.21	77	103287	20.298	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	72835	20.948	ug/l	100
28) Bromochloromethane	7.55	49	32723	19.433	ug/l #	97
29) Tetrahydrofuran	7.57	42	31692	106.716	ug/l	96
30) Chloroform	7.71	83	122587	20.786	ug/l #	83
31) Cyclohexane	7.98	56	80871	20.981	ug/l	93
32) 1,1,1-Trichloroethane	7.91	97	120856	20.886	ug/l	98
36) 1,1-Dichloropropene	8.11	75	89836	21.032	ug/l	100
37) Ethyl Acetate	7.30	43	27285	21.712	ug/l #	93
38) Carbon Tetrachloride	8.10	117	113901	20.864	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	86727	19.422	ug/l	98
40) Benzene	8.35	78	242555	20.699	ug/l	96
41) Methacrylonitrile	7.53	41	14505	21.359	ug/l #	78
42) 1,2-Dichloroethane	8.43	62	78014	21.274	ug/l	100
43) Isopropyl Acetate	8.46	43	52905	21.216	ug/l	97
44) Trichloroethene	9.11	130	79732	21.252	ug/l	97
45) 1,2-Dichloropropane	9.39	63	57343	21.115	ug/l	98
46) Dibromomethane	9.48	93	35683	21.089	ug/l	93
47) Bromodichloromethane	9.67	83	93318	20.585	ug/l	98
48) Methyl methacrylate	9.46	41	24778	20.447	ug/l	96
49) 1,4-Dioxane	9.47	88	7082	414.732	ug/l	89
51) 4-Methyl-2-Pentanone	10.23	43	133202	107.098	ug/l	99
52) Toluene	10.41	92	168108	21.063	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	81611	20.493	ug/l	93
54) cis-1,3-Dichloropropene	10.09	75	98070	21.043	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	50564	21.915	ug/l	96
56) Ethyl methacrylate	10.66	69	50008	20.898	ug/l	98
57) 1,3-Dichloropropane	10.95	76	79286	21.593	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	132590	108.010	ug/l	100
59) 2-Hexanone	10.99	43	88861	104.556	ug/l	98
60) Dibromochloromethane	11.14	129	70659	20.999	ug/l	97
61) 1,2-Dibromoethane	11.25	107	48240	21.207	ug/l	98
64) Tetrachloroethene	10.88	164	69754	20.280	ug/l	94
65) Chlorobenzene	11.67	112	191069	20.989	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	74131	20.489	ug/l	98
67) Ethyl Benzene	11.75	91	321199	20.584	ug/l	98
68) m/p-Xylenes	11.86	106	252940	42.093	ug/l	99
69) o-Xylene	12.18	106	116585	20.952	ug/l	92
70) Styrene	12.20	104	198780	20.752	ug/l	98
71) Bromoform	12.37	173	39990	20.574	ug/l #	97
73) Isopropylbenzene	12.48	105	317715	20.686	ug/l	100
74) N-amyl acetate	12.29	43	47211	20.353	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	48985	20.816	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	67585	40.295	ug/l #	100
77) Bromobenzene	12.77	156	79884	20.863	ug/l	98
78) n-propylbenzene	12.83	91	373207	20.973	ug/l	99
79) 2-Chlorotoluene	12.91	91	213978	20.735	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	280966	21.052	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	15378	20.792	ug/l	99
82) 4-Chlorotoluene	13.01	91	224333	20.482	ug/l	97
83) tert-Butylbenzene	13.23	119	232168	20.593	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	277466	21.034	ug/l	99
85) sec-Butylbenzene	13.41	105	318324	20.577	ug/l	99
86) p-Isopropyltoluene	13.52	119	309331	21.185	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	155877	21.150	ug/l	96
88) 1,4-Dichlorobenzene	13.60	146	148688	20.363	ug/l	97
89) n-Butylbenzene	13.85	91	262988	20.473	ug/l	98
90) Hexachloroethane	14.12	117	51665	20.277	ug/l	92
91) 1,2-Dichlorobenzene	13.90	146	134761	20.931	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9024	21.108	ug/l	88

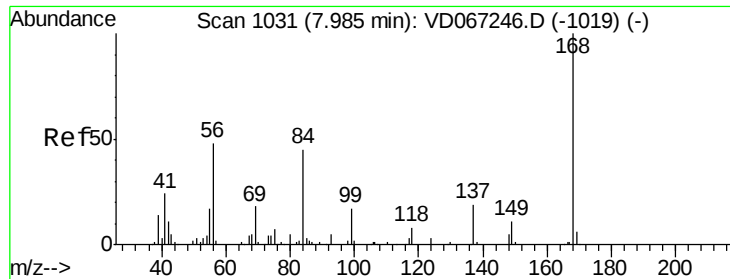
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101320\
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QLast Update : Mon Oct 19 19:13:29 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	86219	19.862	ug/l	98
94) Hexachlorobutadiene	15.28	225	54033	20.044	ug/l	96
95) Naphthalene	15.41	128	143313	20.108	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	77984	20.795	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

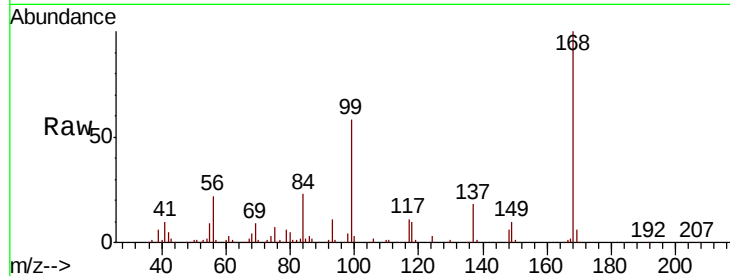
VSTDIC020

Tot Ion:168 Resp: 334031

Ion Ratio Lower Upper

168 100

99 57.6 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

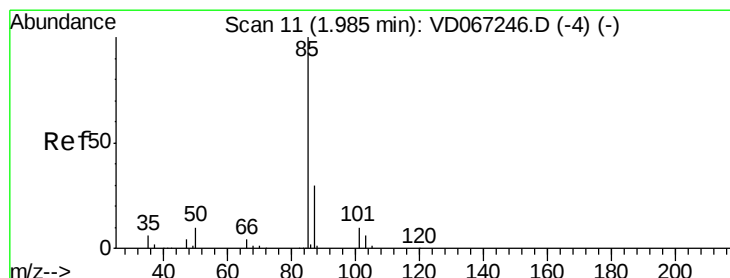
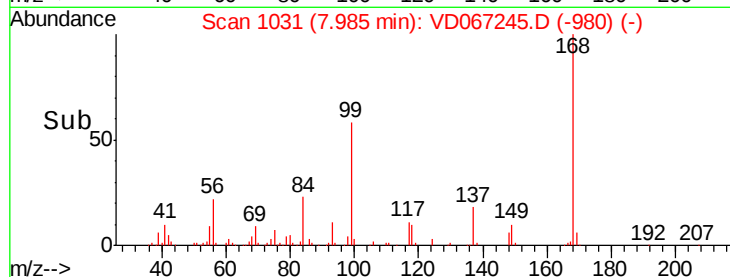
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.780 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067245.D

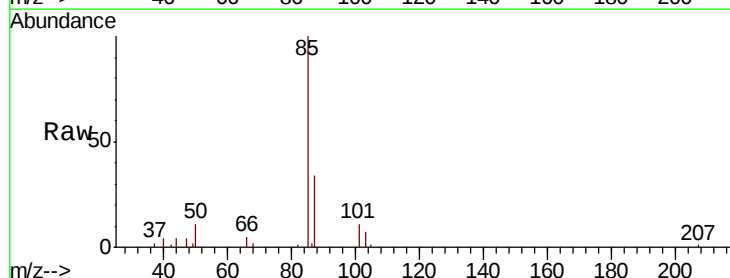
Acq: 13 Oct 2020 11:22

Tgt Ion: 85 Resp: 67461

Ion Ratio Lower Upper

85 100

87 34.2 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

50000

40000

30000

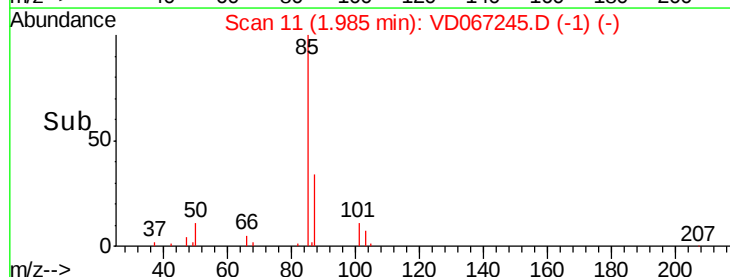
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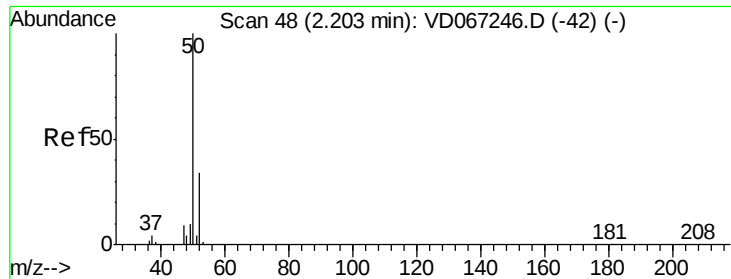
10000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 21.025 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

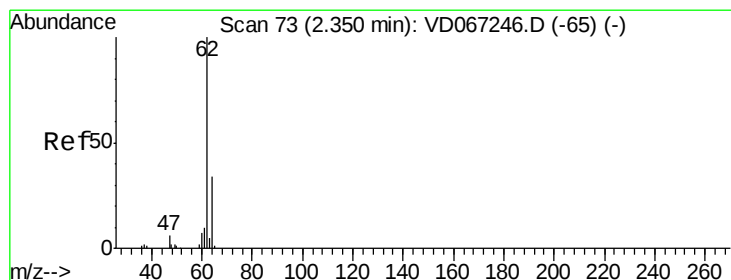
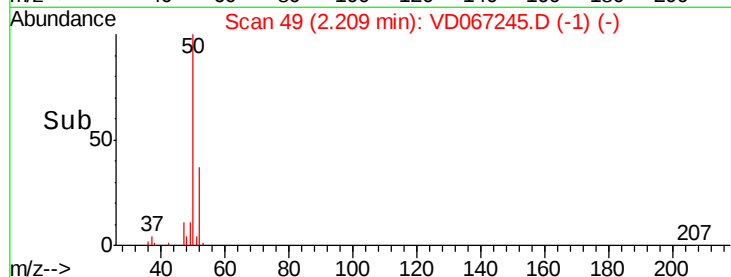
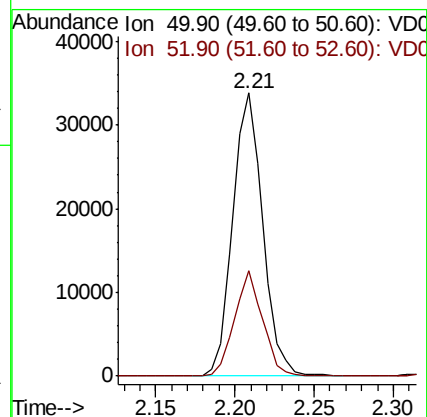
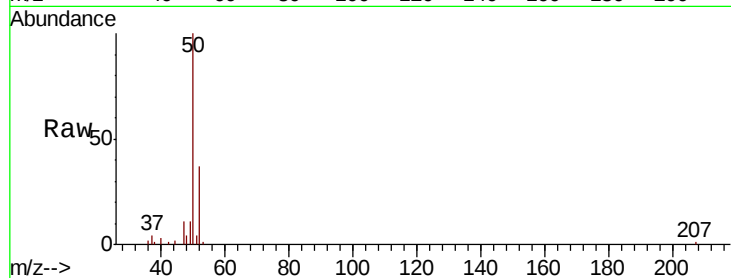
VSTDIC020

Tot Ion: 50 Resp: 44199

Ion Ratio Lower Upper

50 100

52 37.0 27.1 40.7



#4

Vinyl Chloride

Concen: 20.766 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067245.D

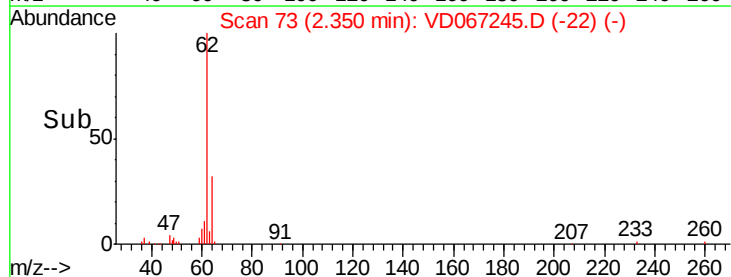
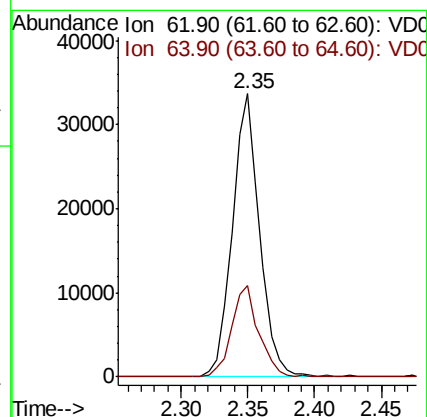
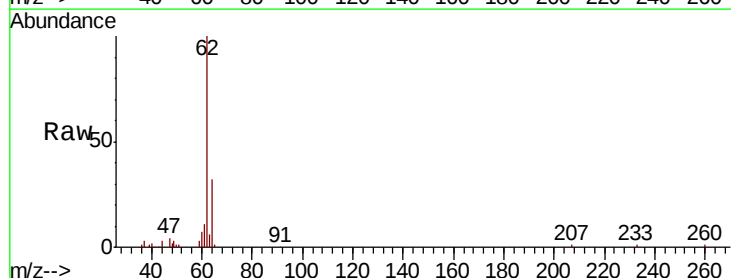
Acq: 13 Oct 2020 11:22

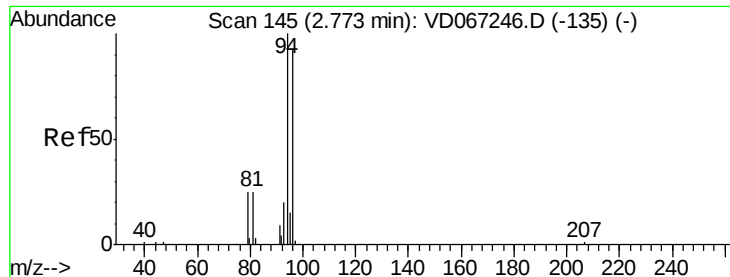
Tgt Ion: 62 Resp: 47899

Ion Ratio Lower Upper

62 100

64 32.3 27.4 41.0





#5

Bromomethane

Concen: 21.151 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

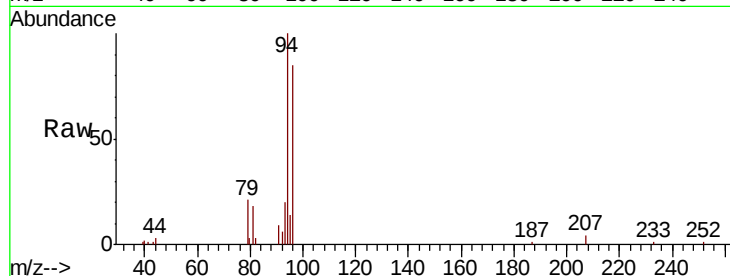
VSTDIC020

Tot Ion: 94 Resp: 36125

Ion Ratio Lower Upper

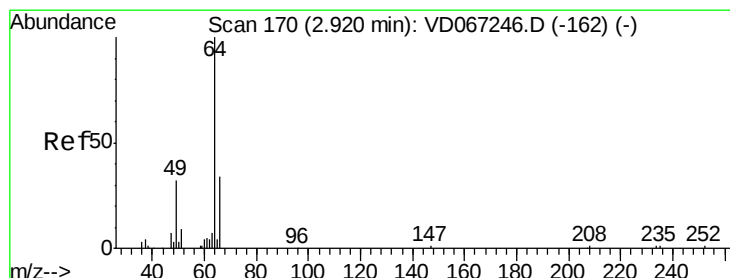
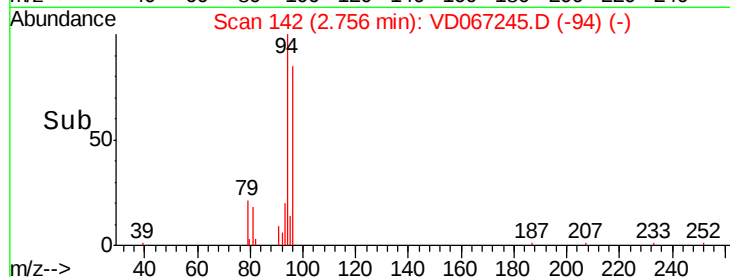
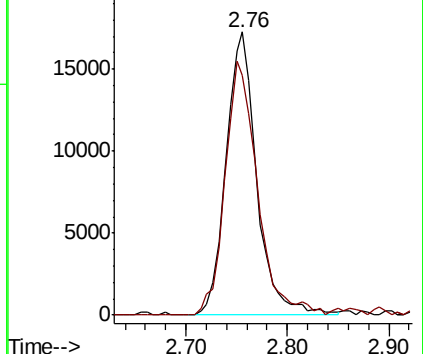
94 100

96 84.7 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: 21.361 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067245.D

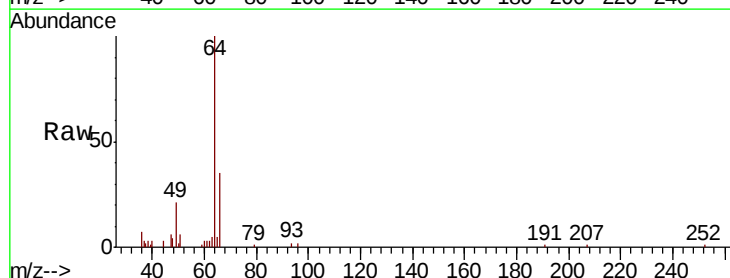
Acq: 13 Oct 2020 11:22

Tgt Ion: 64 Resp: 30685

Ion Ratio Lower Upper

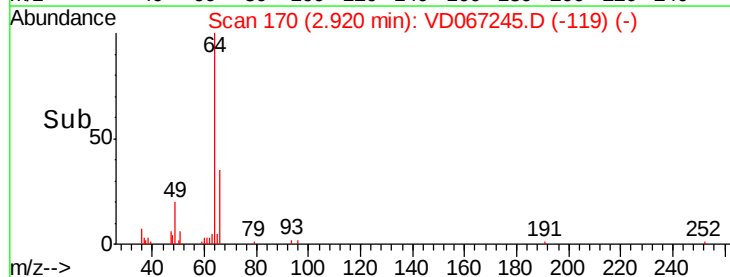
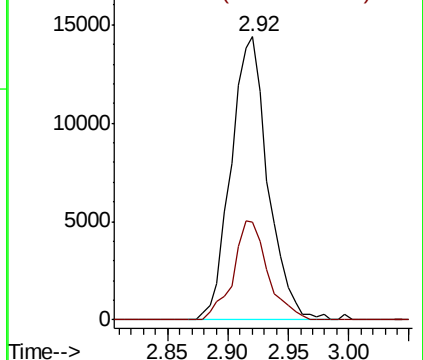
64 100

66 34.6 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



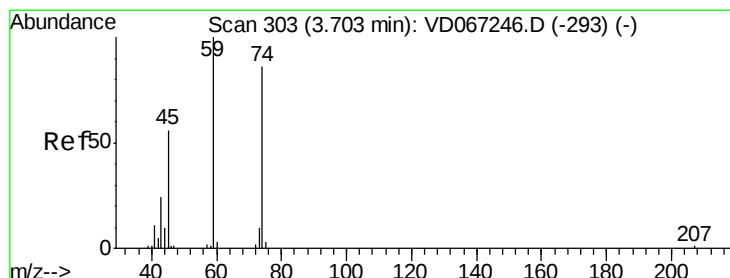
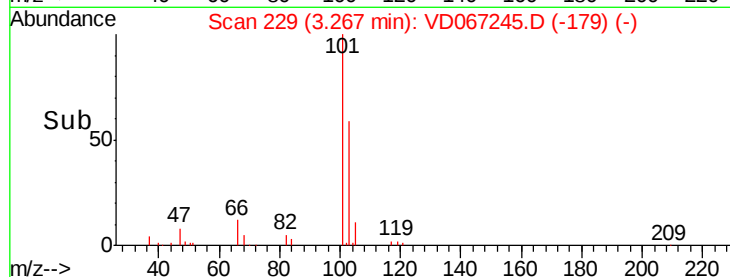
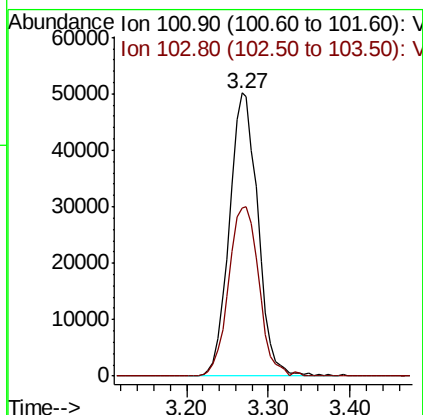
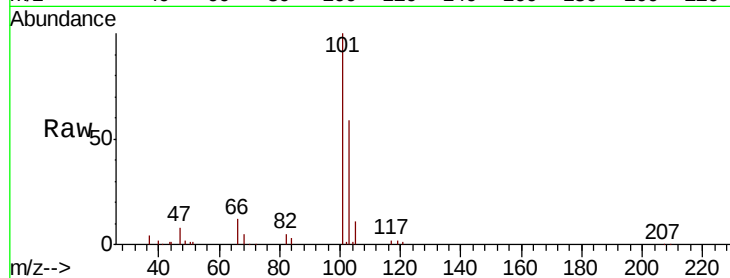


#7

Trichlorofluoromethane
 Concen: 20.956 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD067245.D
 Acq: 13 Oct 2020 11:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

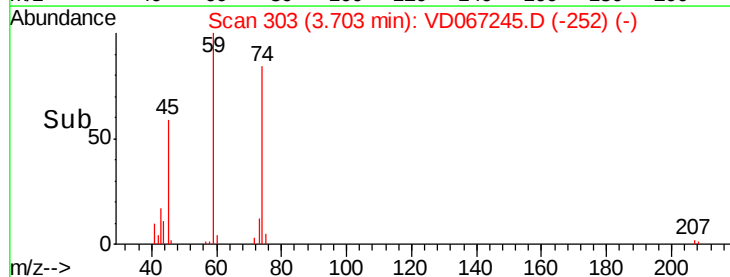
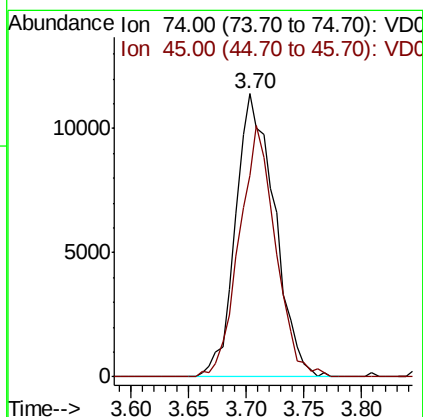
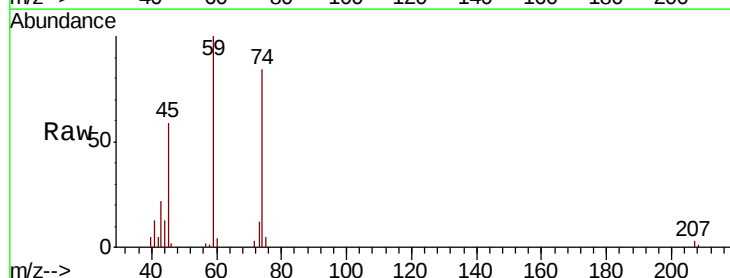
Tot Ion:101 Resp: 121717
 Ion Ratio Lower Upper
 101 100
 103 59.5 53.1 79.7

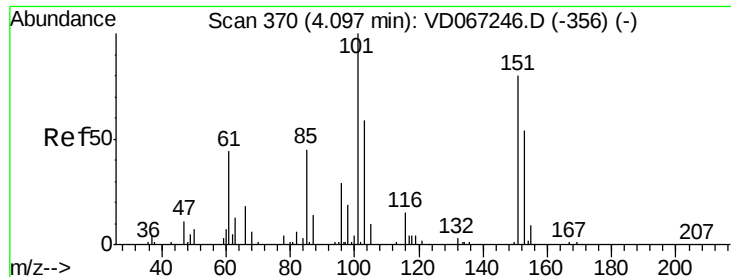


#8

Diethyl Ether
 Concen: 20.159 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. 0.00 min
 Lab File: VD067245.D
 Acq: 13 Oct 2020 11:22

Tgt Ion: 74 Resp: 26793
 Ion Ratio Lower Upper
 74 100
 45 82.5 37.0 111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.653 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

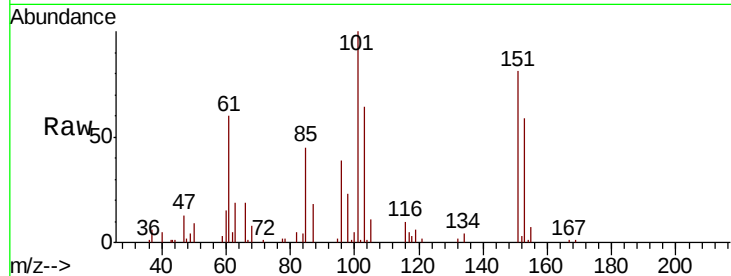
Tot Ion:101 Resp: 63732

Ion Ratio Lower Upper

101 100

85 44.0 34.2 51.4

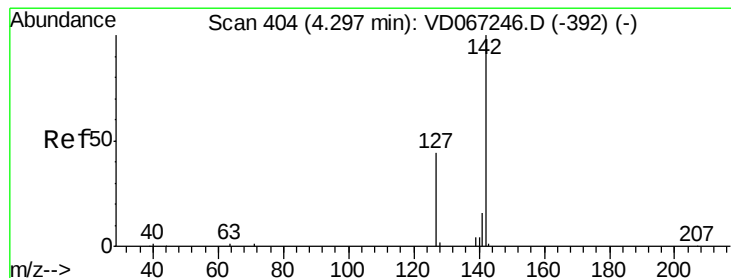
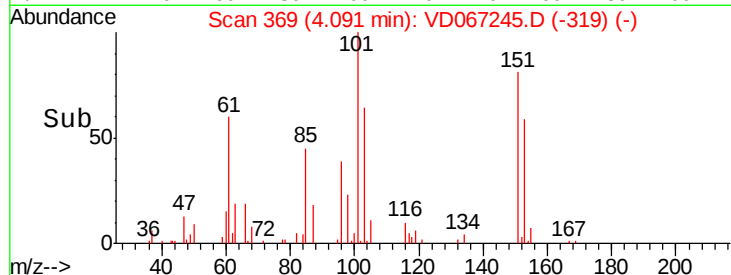
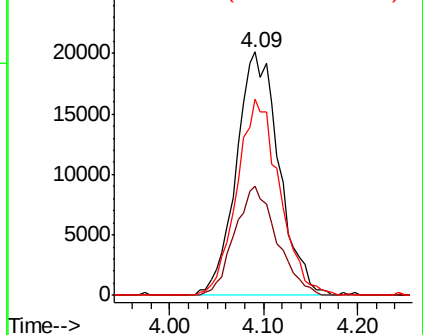
151 80.2 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.178 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

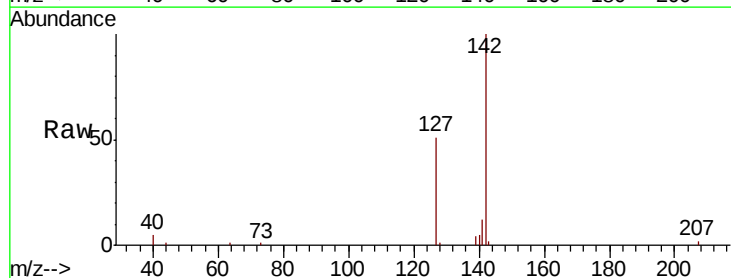
Tgt Ion:142 Resp: 54591

Ion Ratio Lower Upper

142 100

127 49.4 38.4 57.6

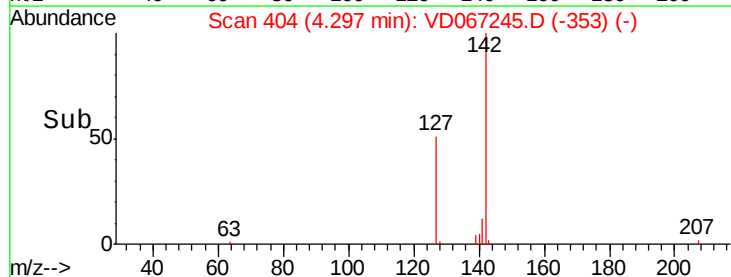
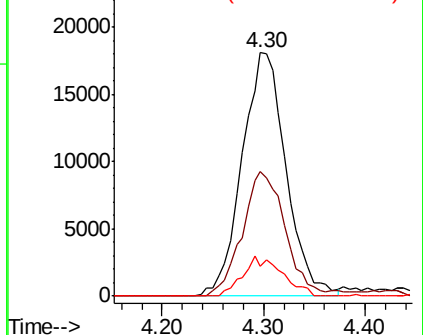
141 14.6 11.6 17.4

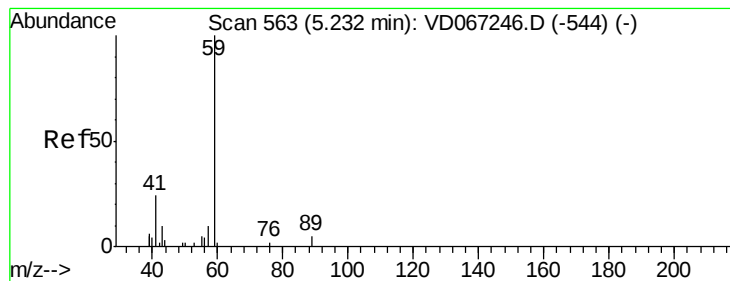


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



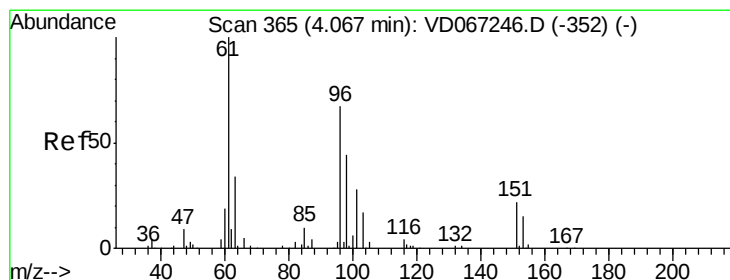
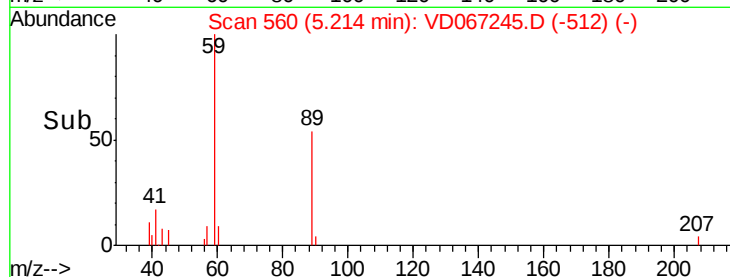
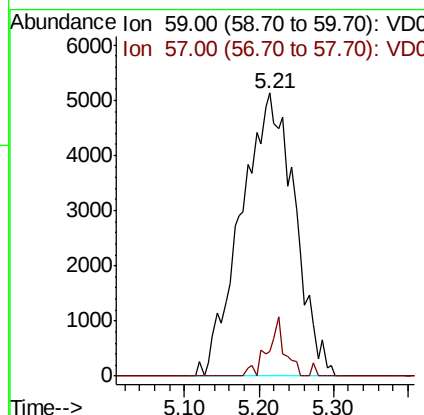
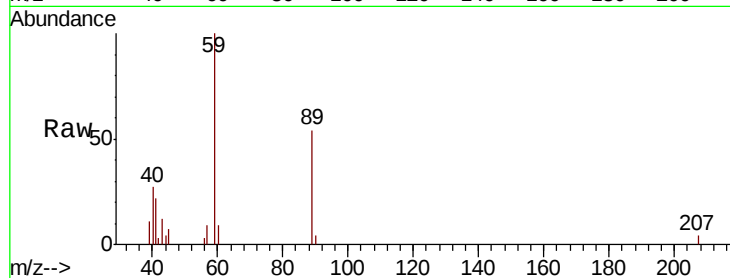


#11

Tert butyl alcohol
 Concen: 123.882 ug/l
 RT: 5.21 min Scan# 560
 Delta R.T. -0.02 min
 Lab File: VD067245.D
 Acq: 13 Oct 2020 11:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

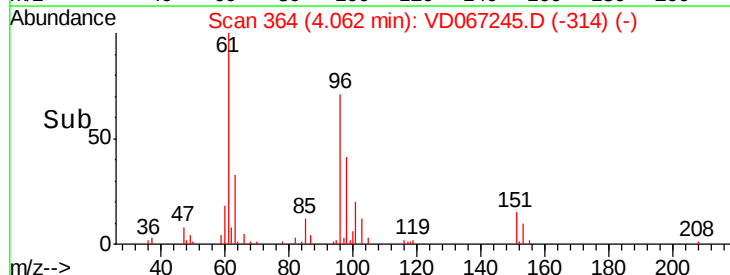
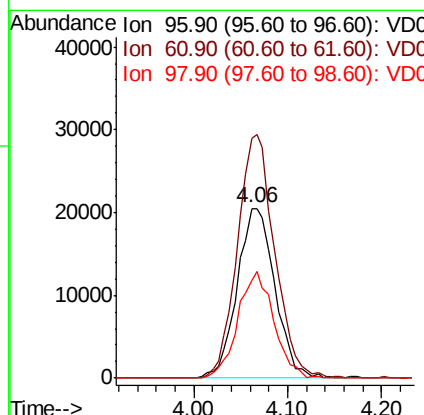
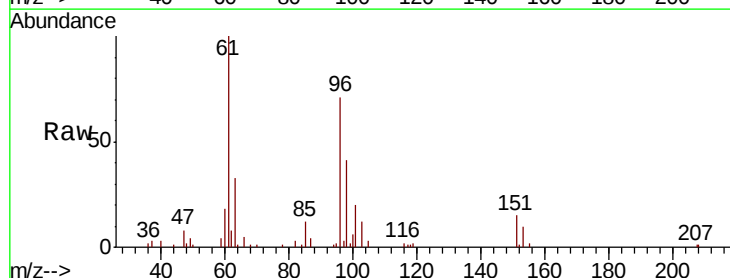
Tot Ion: 59 Resp: 25556
 Ion Ratio Lower Upper
 59 100
 57 6.5 5.1 7.7

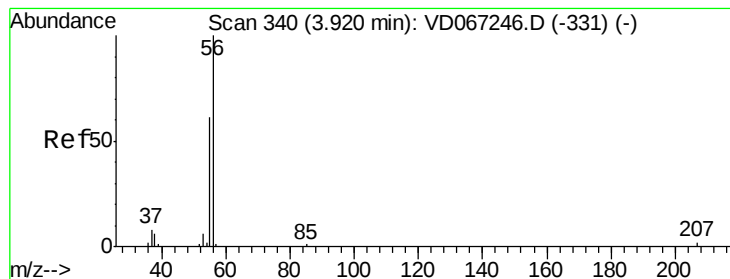


#12

1,1-Dichloroethene
 Concen: 20.648 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD067245.D
 Acq: 13 Oct 2020 11:22

Tgt Ion: 96 Resp: 56922
 Ion Ratio Lower Upper
 96 100
 61 141.1 118.6 177.8
 98 57.5 51.8 77.6





#13

Acrolein

Concen: 83.637 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

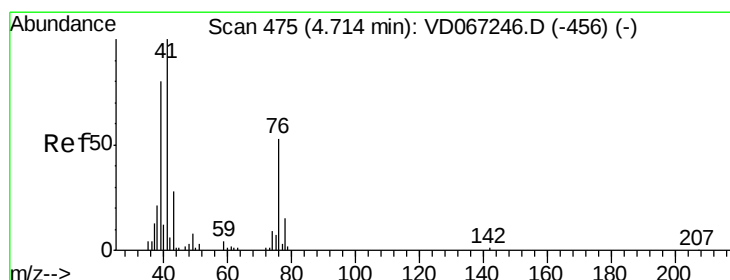
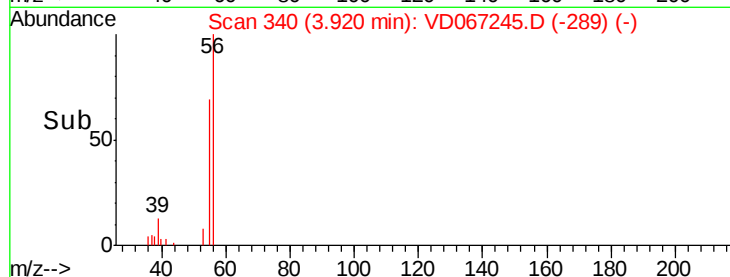
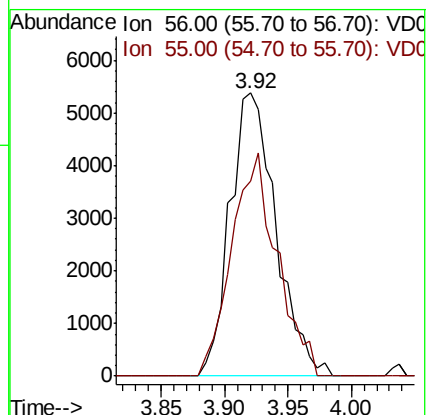
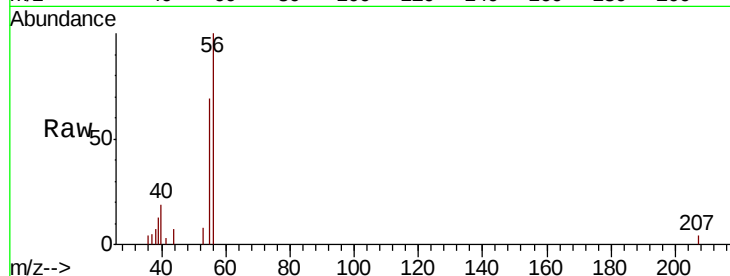
VSTDIC020

Tot Ion: 56 Resp: 13571

Ion Ratio Lower Upper

56 100

55 77.6 56.0 84.0



#14

Allyl chloride

Concen: 20.269 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

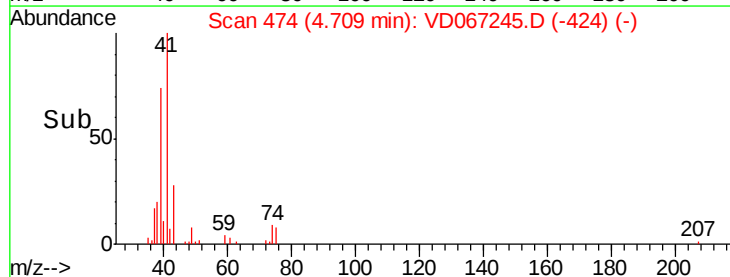
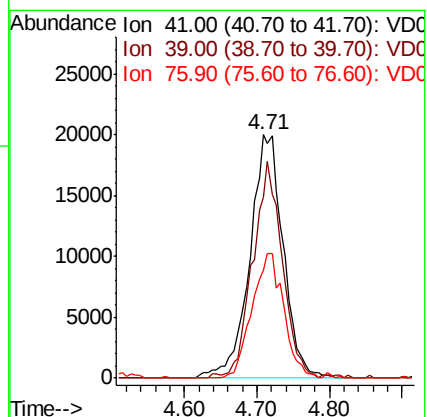
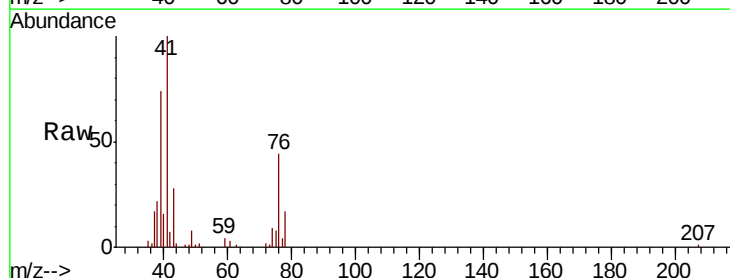
Tgt Ion: 41 Resp: 63990

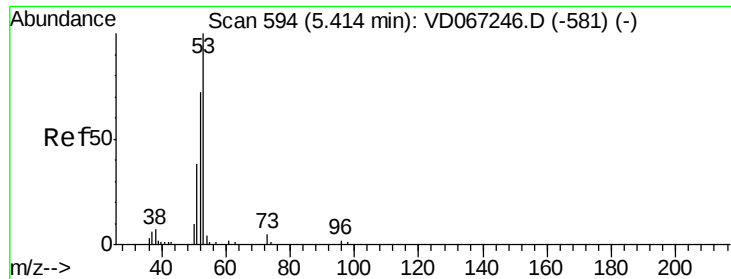
Ion Ratio Lower Upper

41 100

39 78.4 63.8 95.6

76 48.3 40.4 60.6





#15

Acrylonitrile

Concen: 103.136 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

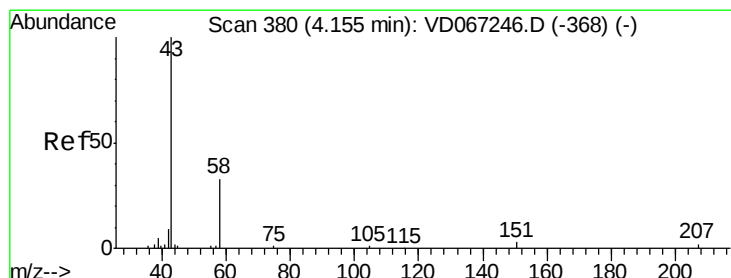
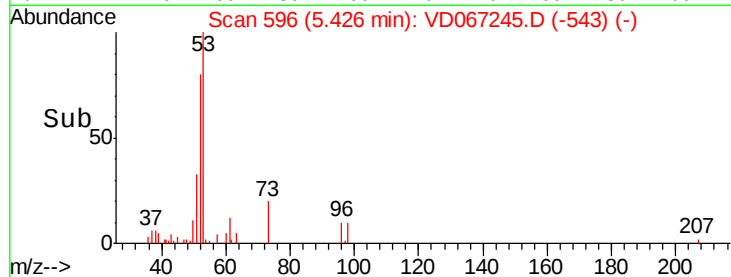
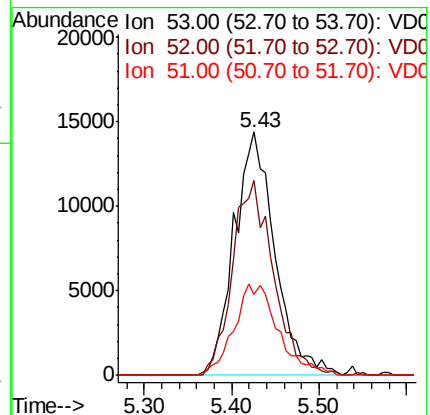
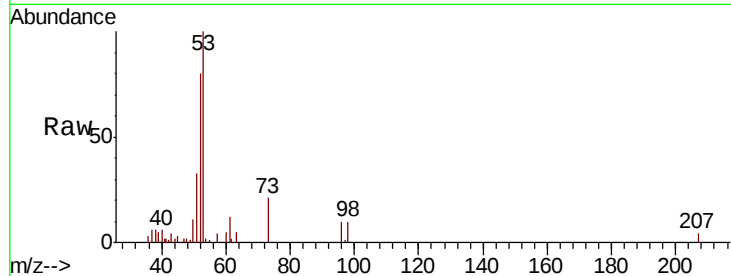
Tot Ion: 53 Resp: 45738

Ion Ratio Lower Upper

53 100

52 80.2 65.6 98.4

51 40.4 30.8 46.2



#16

Acetone

Concen: 102.713 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067245.D

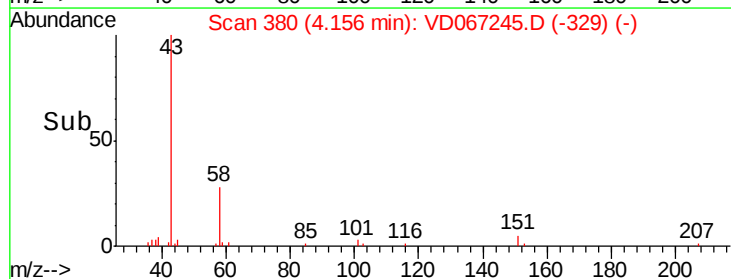
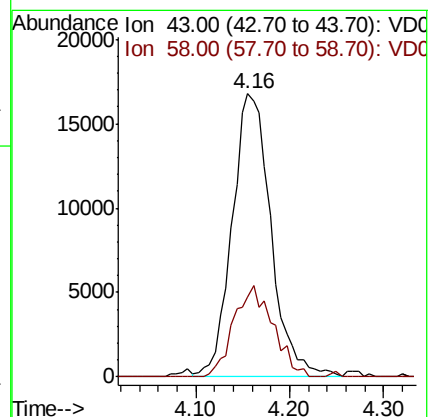
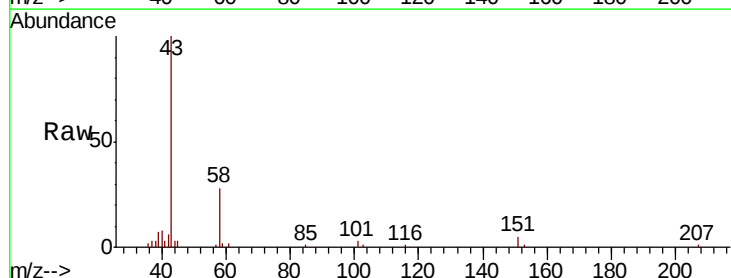
Acq: 13 Oct 2020 11:22

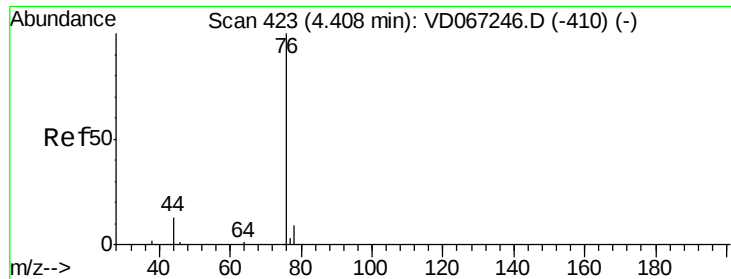
Tgt Ion: 43 Resp: 48139

Ion Ratio Lower Upper

43 100

58 28.1 26.1 39.1

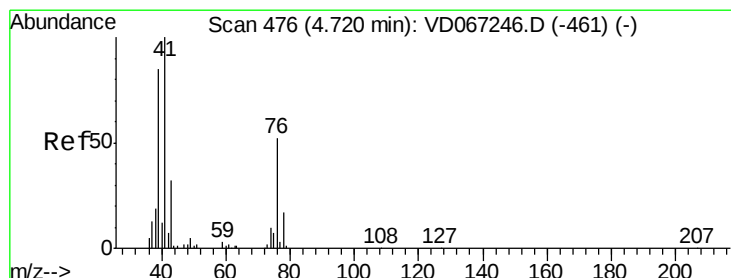
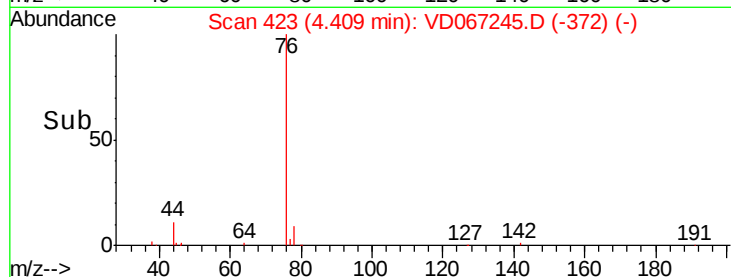
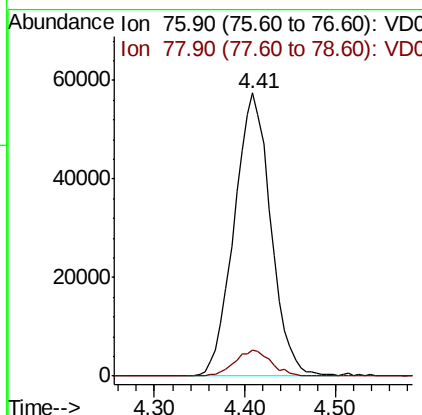
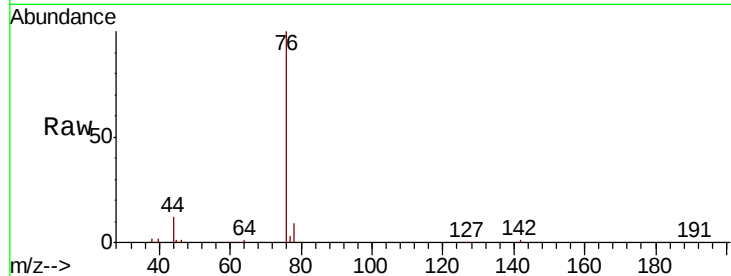




#17
Carbon Disulfide
Concen: 20.453 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

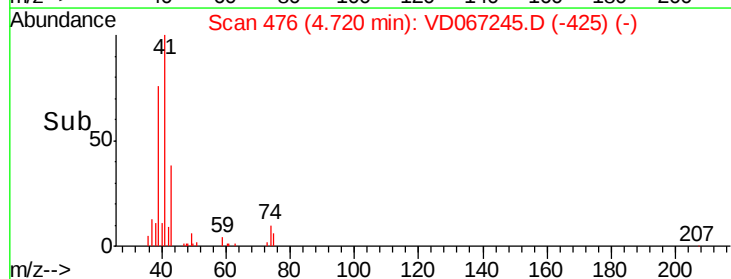
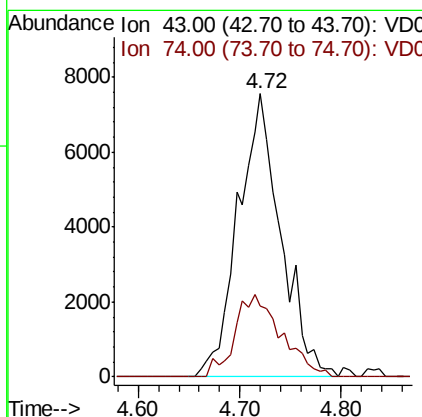
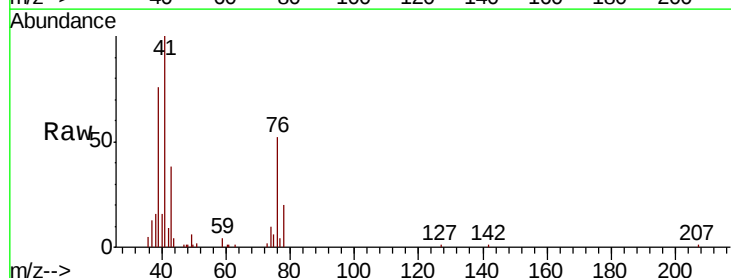
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

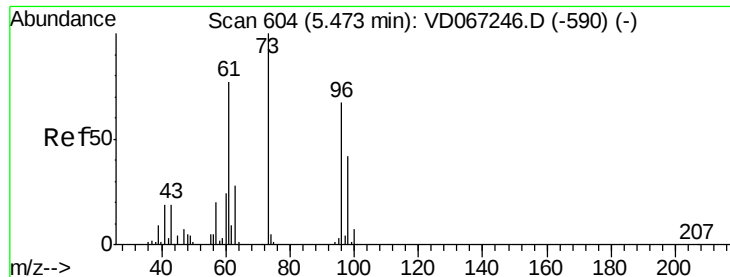
Tot Ion: 76 Resp: 160746
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0



#18
Methyl Acetate
Concen: 20.699 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Tgt Ion: 43 Resp: 22127
Ion Ratio Lower Upper
43 100
74 31.8 26.6 39.8

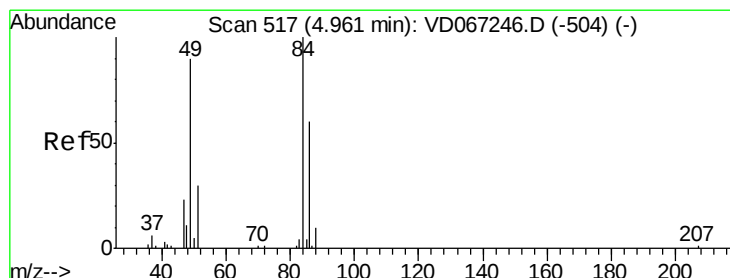
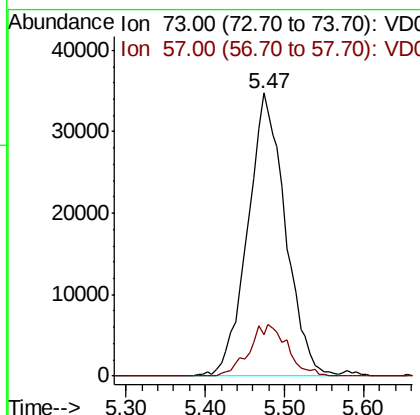
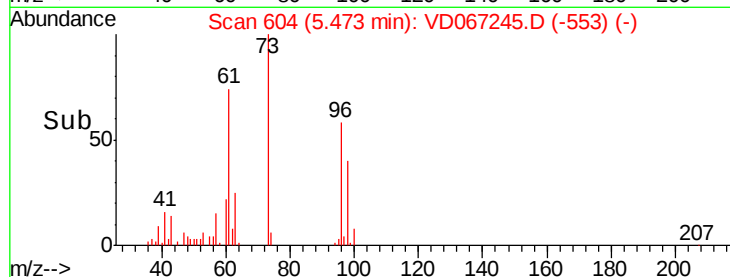
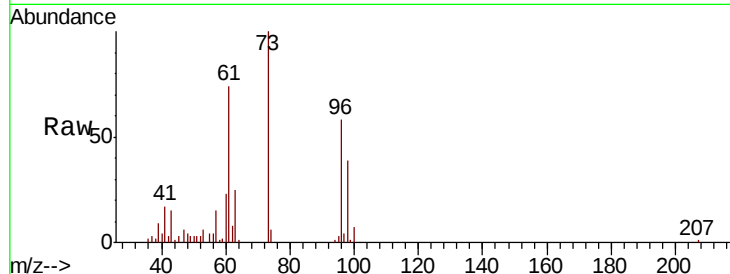




#19
Methvl tert-butvl Ether
Concen: 20.936 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

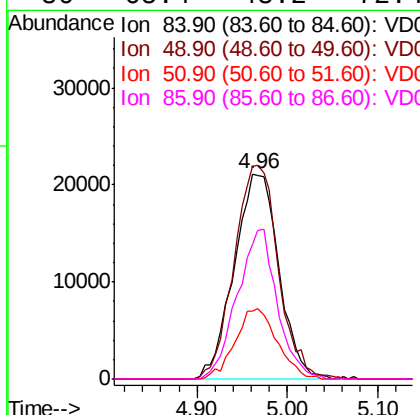
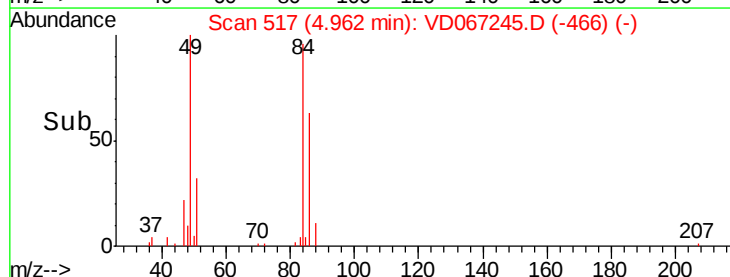
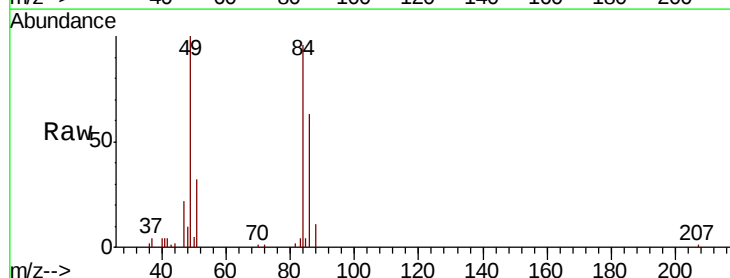
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

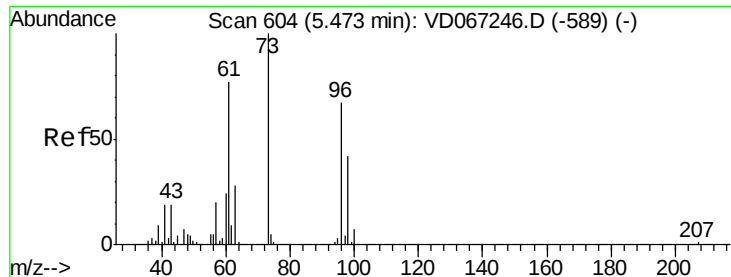
Tot Ion: 73 Resp: 114766
Ion Ratio Lower Upper
73 100
57 14.7 15.7 23.5#



#20
Methylene Chloride
Concen: 21.575 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Tgt Ion: 84 Resp: 72432
Ion Ratio Lower Upper
84 100
49 103.7 72.2 108.2
51 32.9 23.8 35.8
86 65.4 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 19.695 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

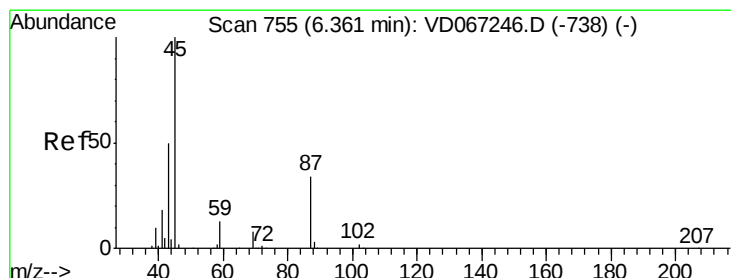
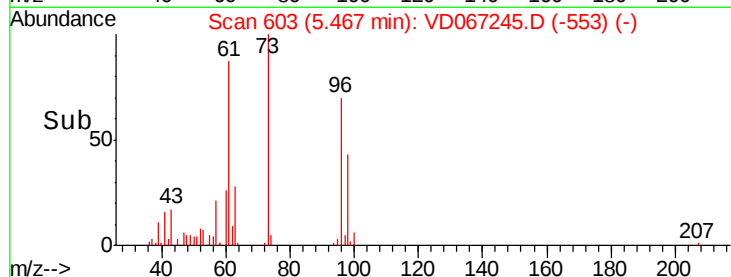
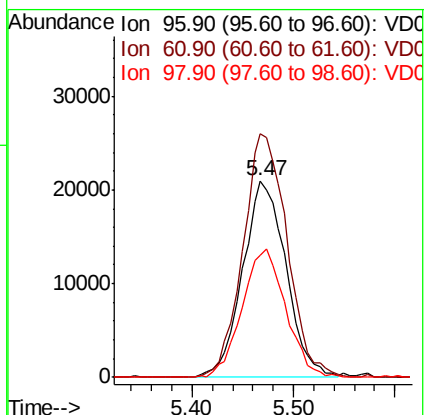
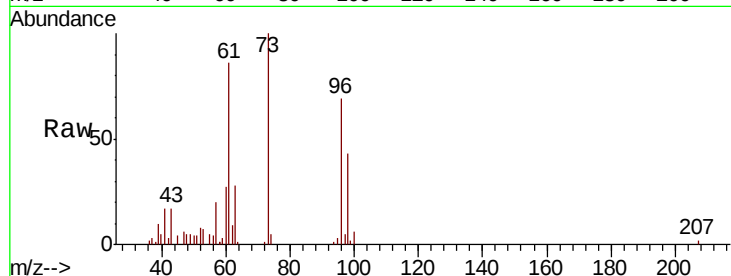
Tot Ion: 96 Resp: 62481

Ion Ratio Lower Upper

96 100

61 123.7 92.0 138.0

98 61.8 49.8 74.8



#22

Diisopropyl ether

Concen: 22.297 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

Tgt Ion: 45 Resp: 128593

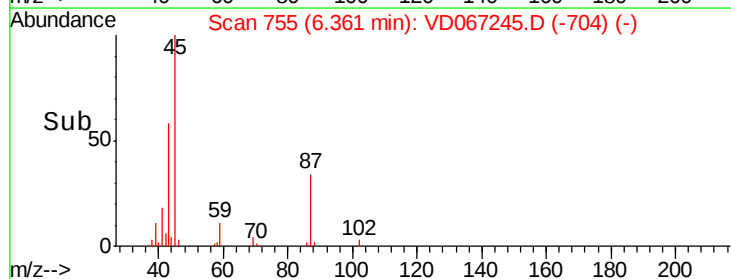
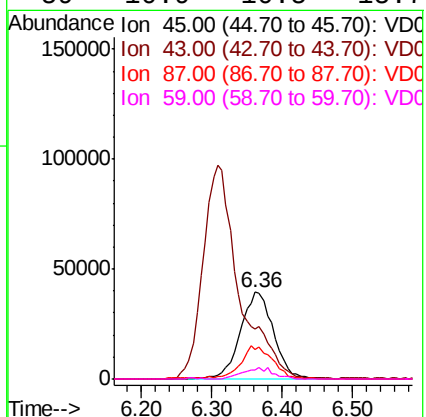
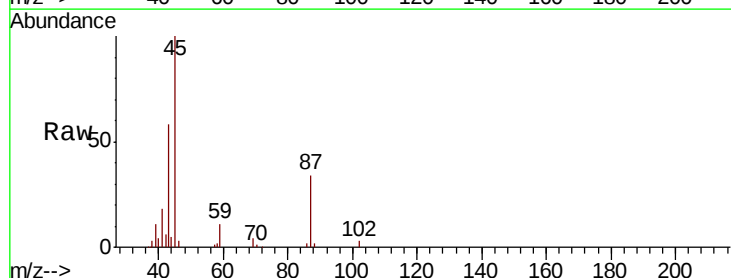
Ion Ratio Lower Upper

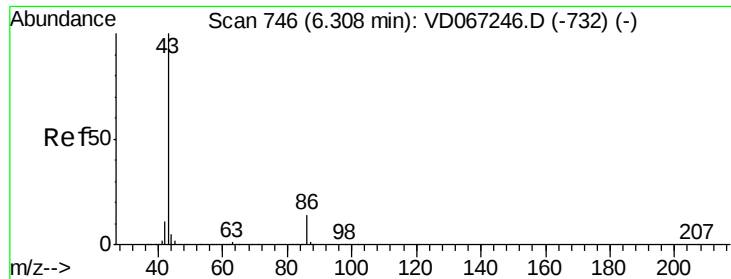
45 100

43 57.2 48.0 72.0

87 34.5 28.5 42.7

59 10.9 10.5 15.7





#23

Vinyl Acetate

Concen: 105.789 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

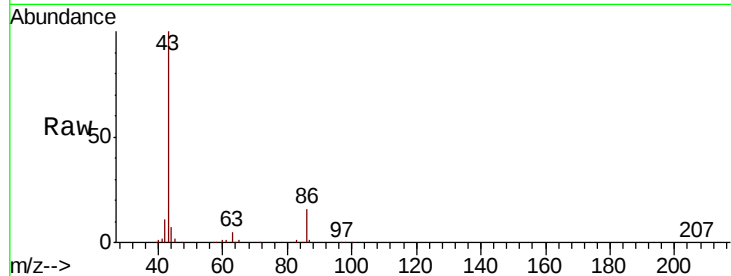
VSTDIC020

Tot Ion: 43 Resp: 347102

Ion Ratio Lower Upper

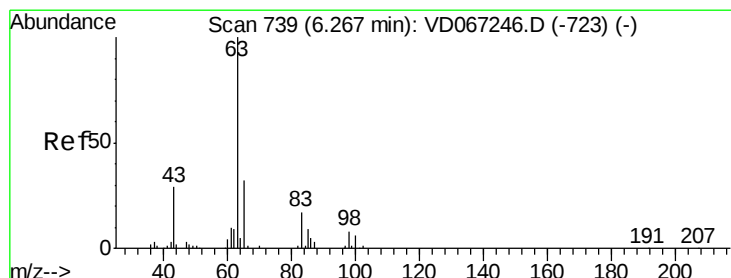
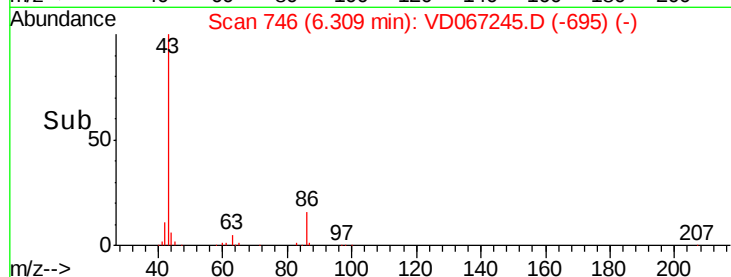
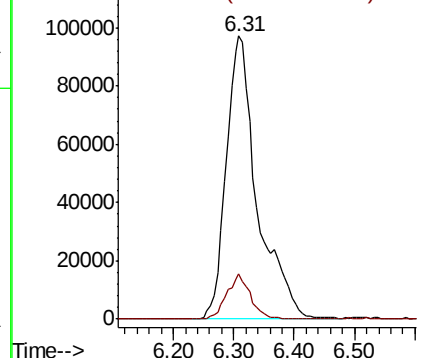
43 100

86 16.0 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.792 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

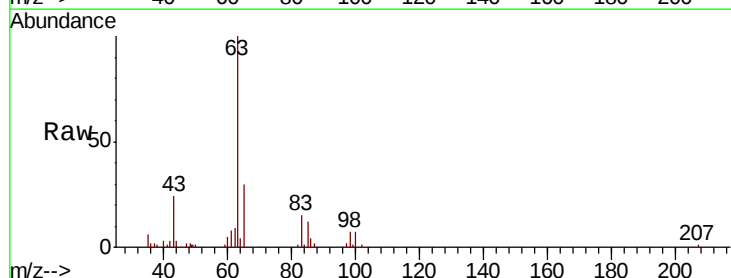
Tgt Ion: 63 Resp: 102645

Ion Ratio Lower Upper

63 100

98 6.9 4.0 12.2

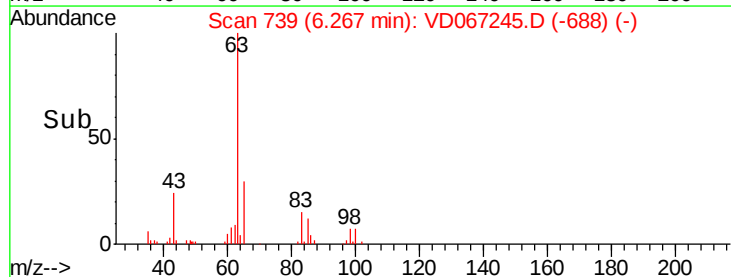
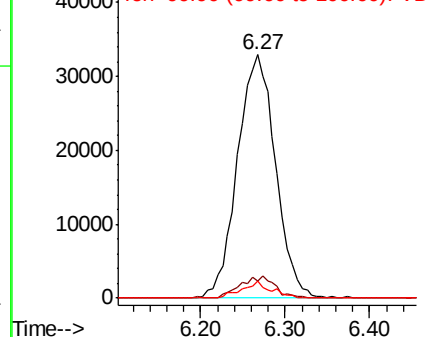
100 7.2 2.8 8.4

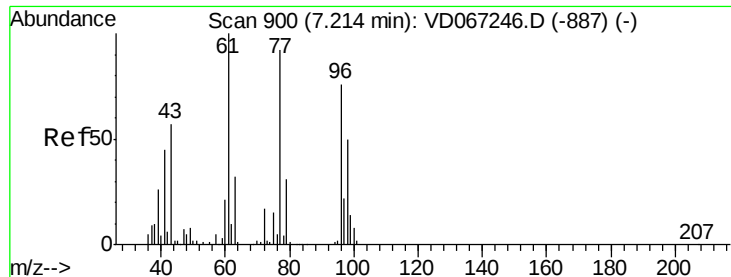


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 104.203 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

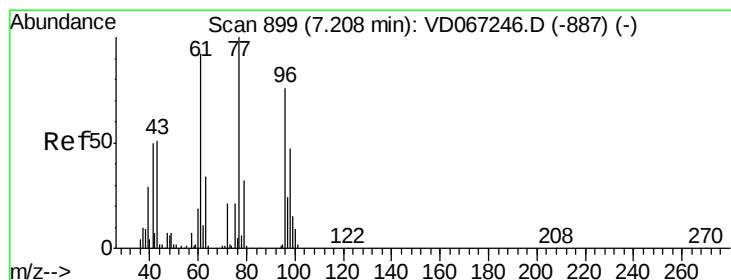
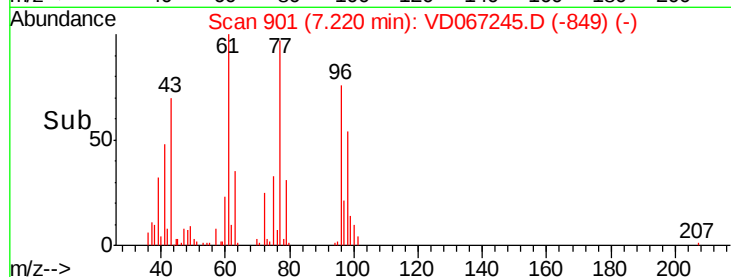
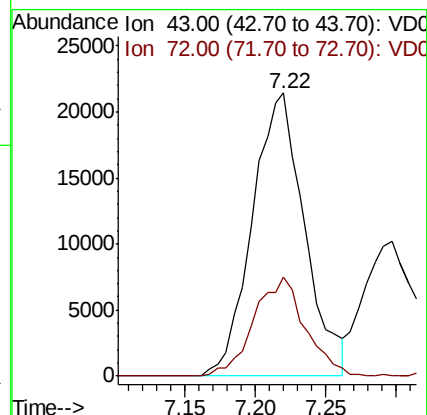
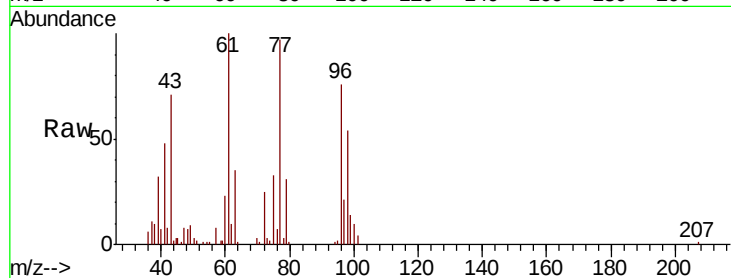
VSTDIC020

Tot Ion: 43 Resp: 55670

Ion Ratio Lower Upper

43 100

72 34.9 23.7 35.5



#26

2,2-Dichloropropane

Concen: 20.298 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067245.D

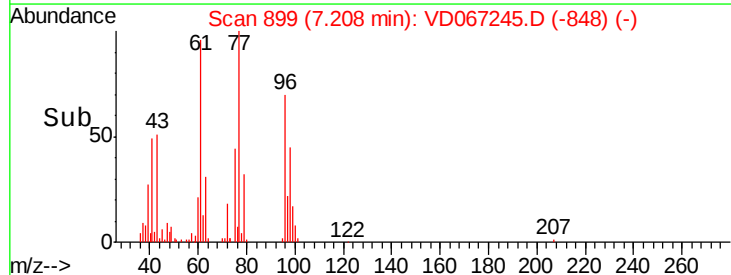
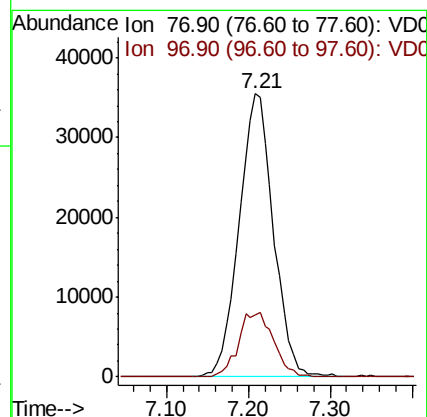
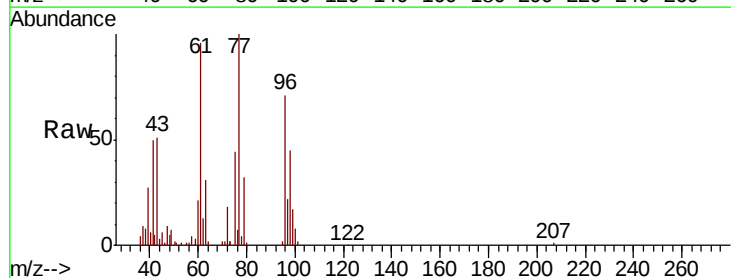
Acq: 13 Oct 2020 11:22

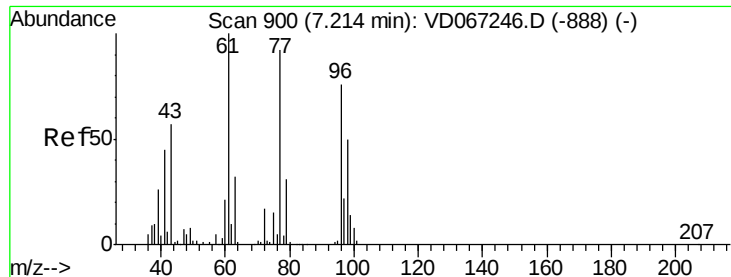
Tgt Ion: 77 Resp: 103287

Ion Ratio Lower Upper

77 100

97 23.2 11.4 34.2



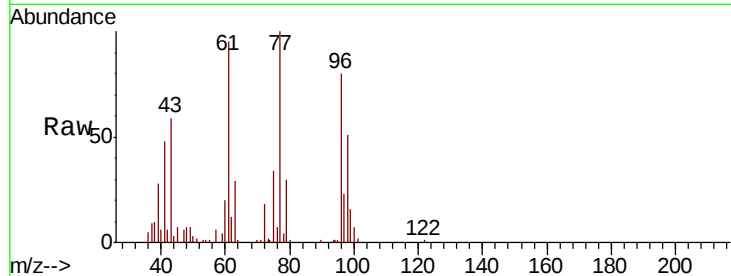


#27

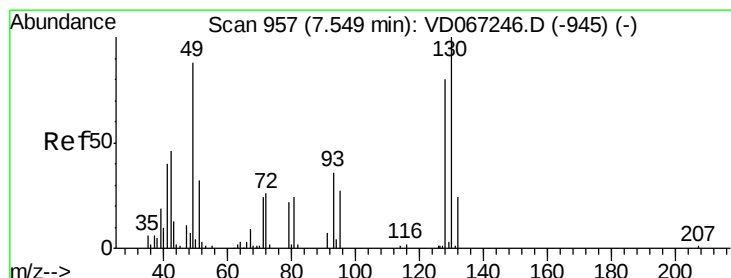
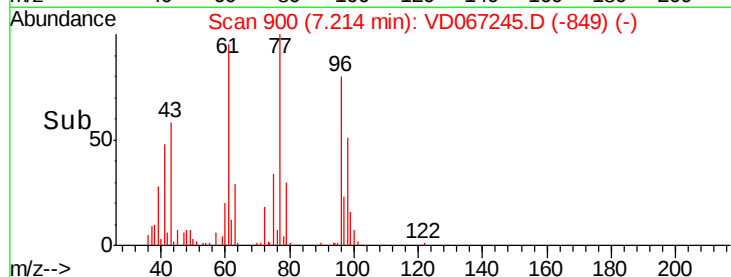
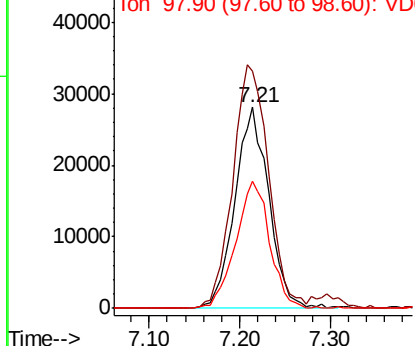
cis-1,2-Dichloroethene
 Concen: 20.948 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD067245.D
 Acq: 13 Oct 2020 11:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 96 Resp: 72835
 Ion Ratio Lower Upper
 96 100
 61 127.8 0.0 255.4
 98 63.0 0.0 128.0



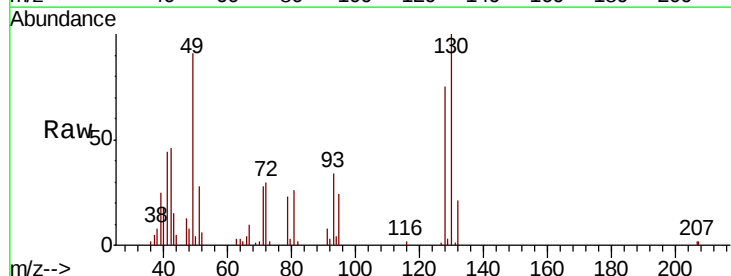
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



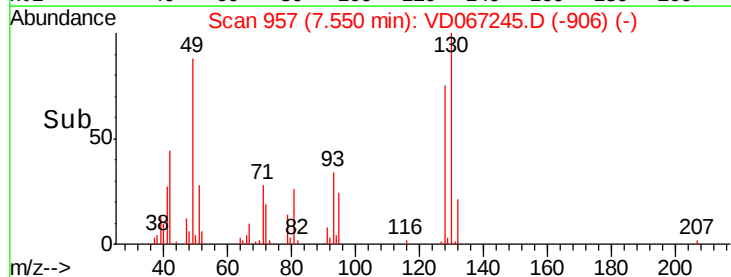
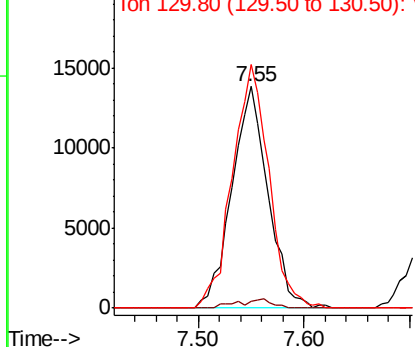
#28

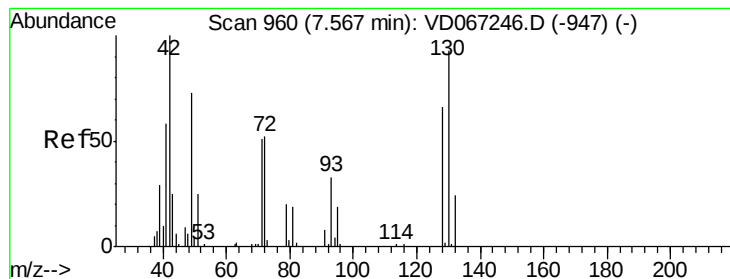
Bromochloromethane
 Concen: 19.433 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD067245.D
 Acq: 13 Oct 2020 11:22

Tgt Ion: 49 Resp: 32723
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 1.6#
 130 111.0 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: 106.716 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

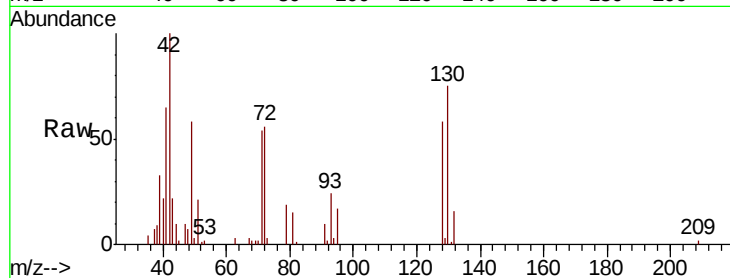
Tot Ion: 42 Resp: 31692

Ion Ratio Lower Upper

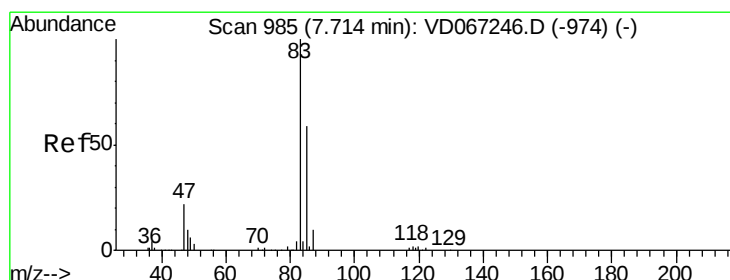
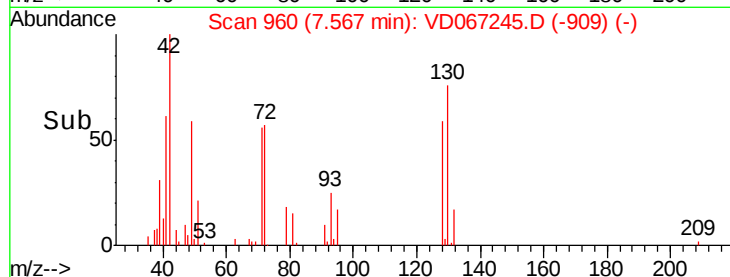
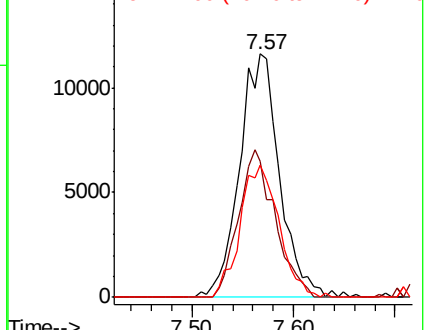
42 100

72 55.7 43.2 64.8

71 52.8 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: 20.786 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD067245.D

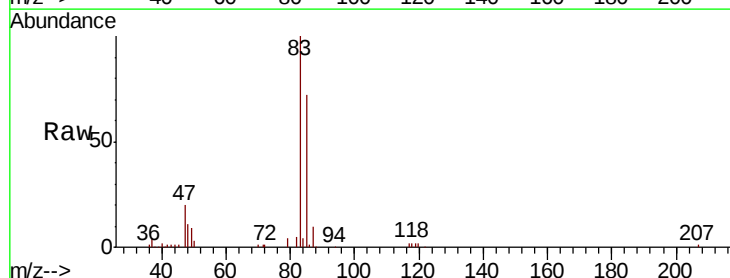
Acq: 13 Oct 2020 11:22

Tgt Ion: 83 Resp: 122587

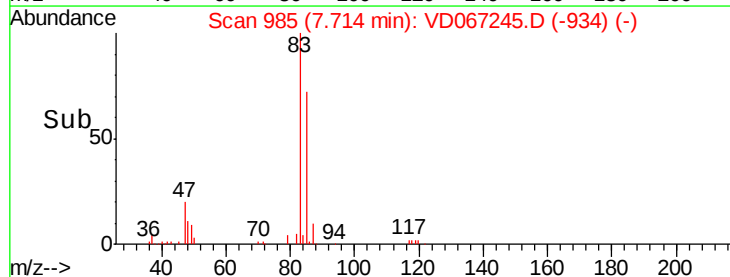
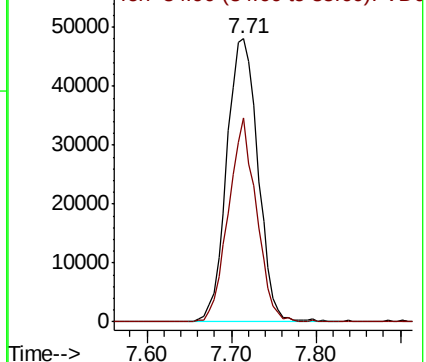
Ion Ratio Lower Upper

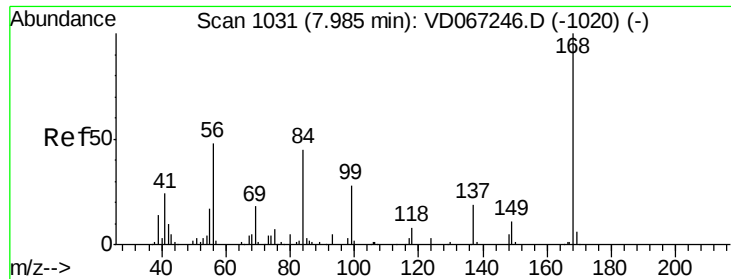
83 100

85 71.9 47.3 70.9#



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

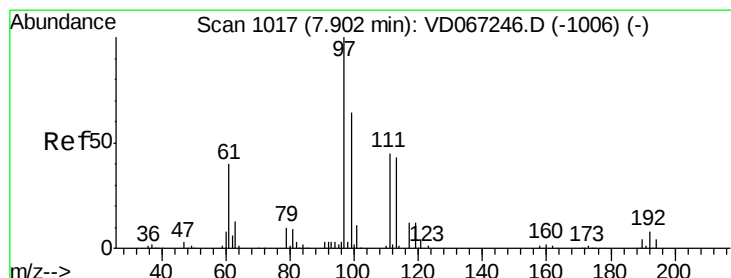
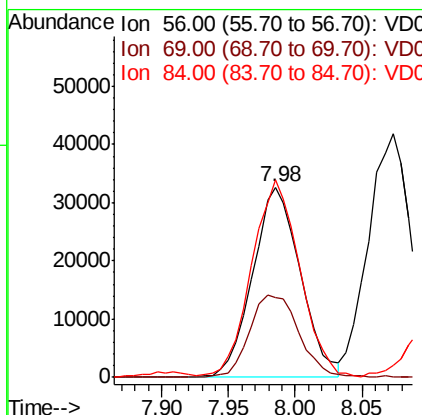
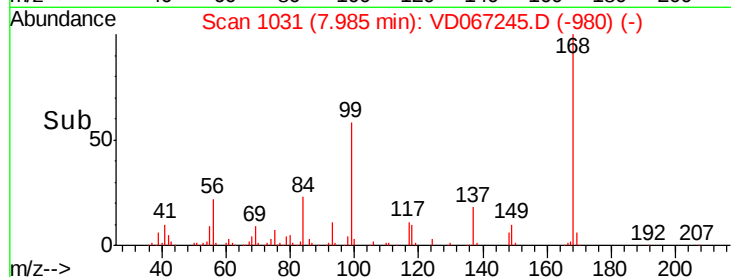
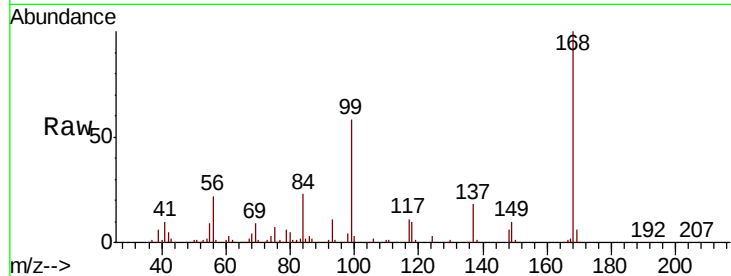




#31
Cyclohexane
Concen: 20.981 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

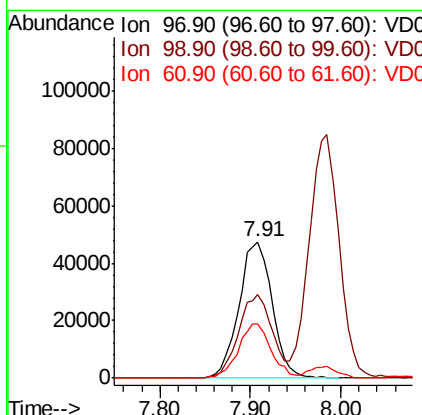
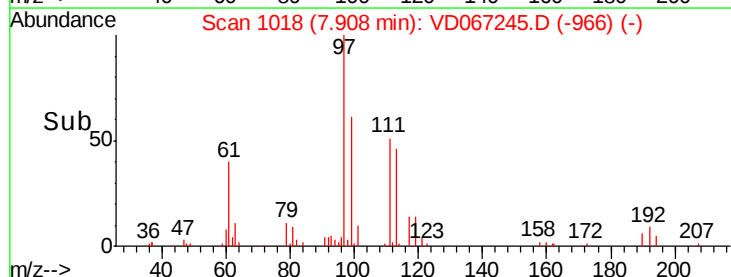
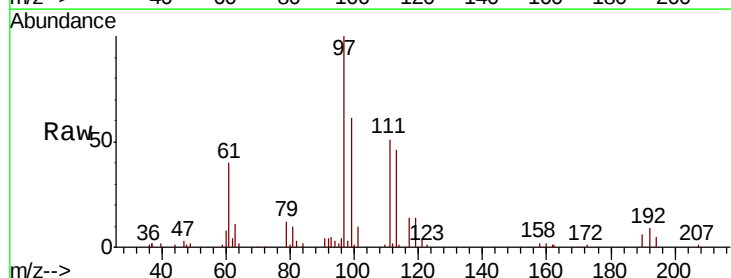
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

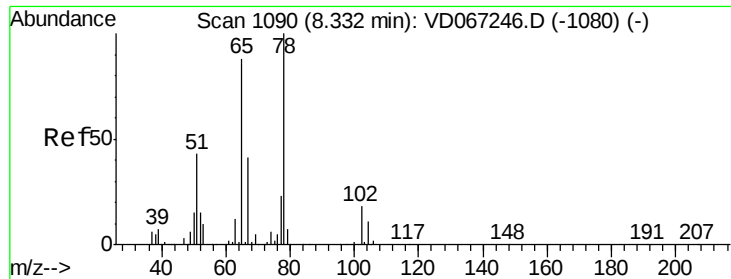
Tot Ion: 56 Resp: 80871
Ion Ratio Lower Upper
56 100
69 41.9 29.8 44.6
84 102.1 76.6 114.8



#32
1,1,1-Trichloroethane
Concen: 20.886 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Tgt Ion: 97 Resp: 120856
Ion Ratio Lower Upper
97 100
99 61.2 50.2 75.4
61 39.3 30.5 45.7





#33

1,2-Dichloroethane-d4

Concen: 20.348 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

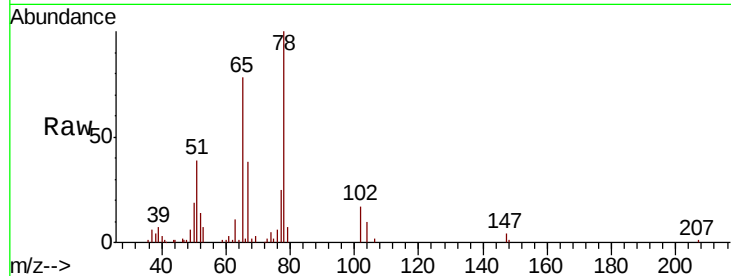
VSTDIC020

Tot Ion: 65 Resp: 68093

Ion Ratio Lower Upper

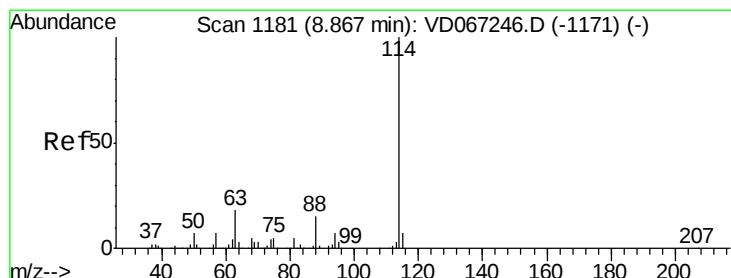
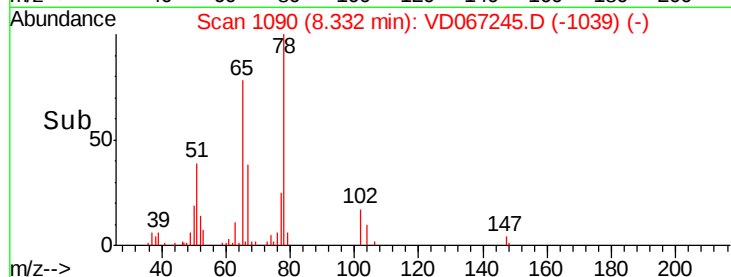
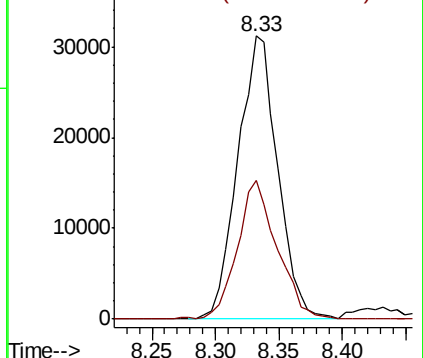
65 100

67 48.8 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: VD067245.D

Acq: 13 Oct 2020 11:22

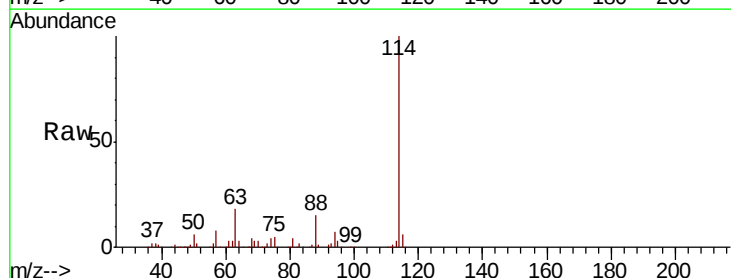
Tgt Ion: 114 Resp: 503952

Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.0

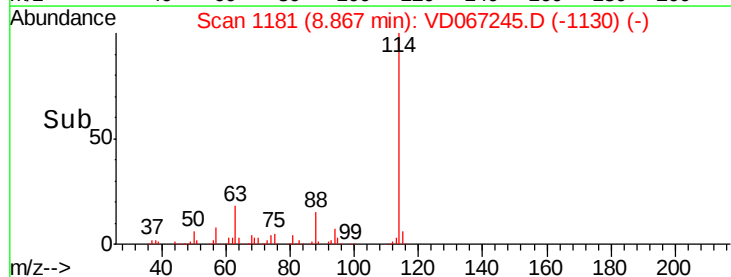
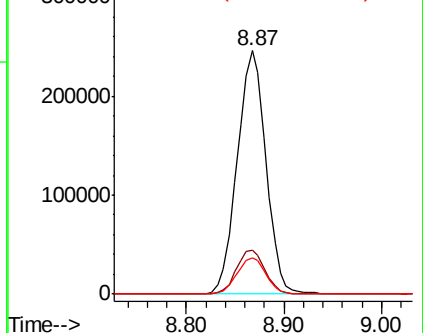
88 14.9 0.0 30.6

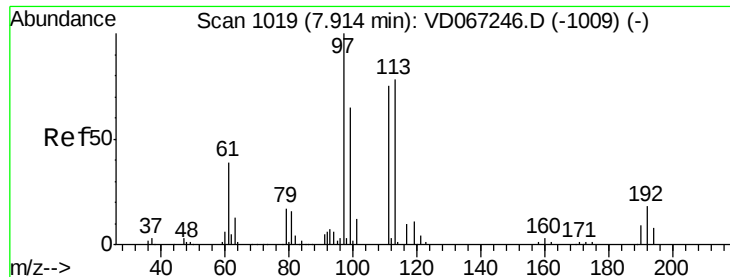


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

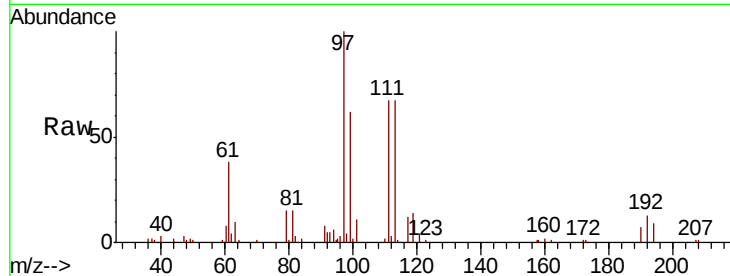




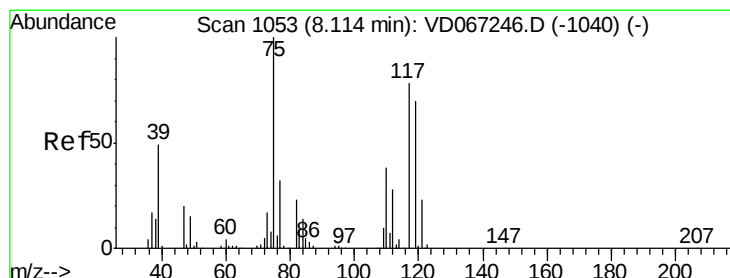
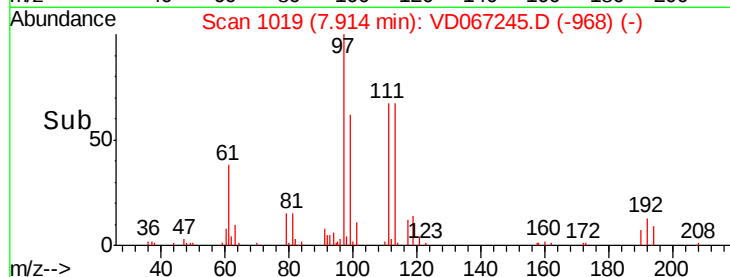
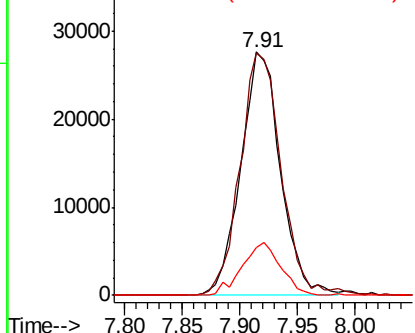
#35
Dibromofluoromethane
Concen: 19.707 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:113 Resp: 66095
Ion Ratio Lower Upper
113 100
111 103.4 81.6 122.4
192 21.2 17.0 25.4

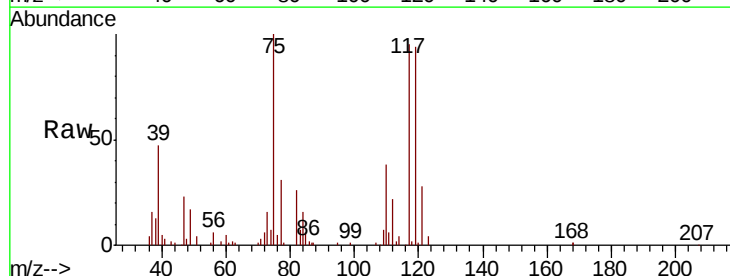


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

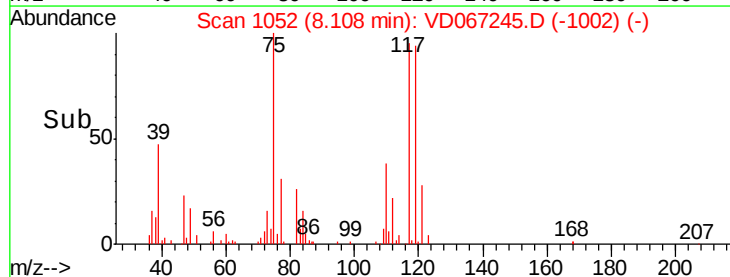
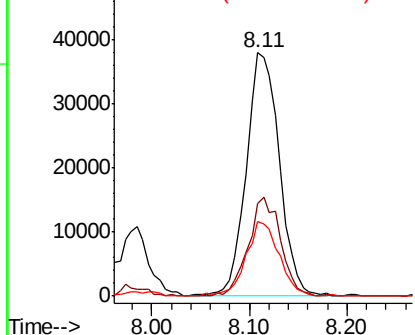


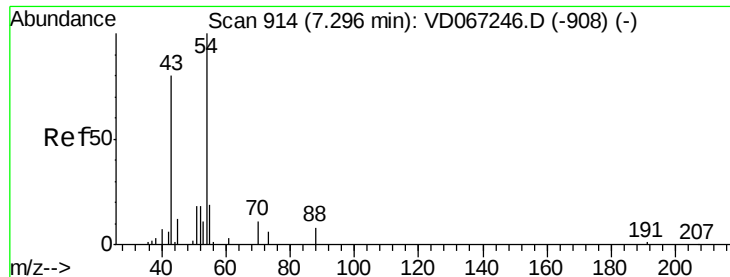
#36
1,1-Dichloropropene
Concen: 21.032 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Tgt Ion: 75 Resp: 89836
Ion Ratio Lower Upper
75 100
110 39.5 19.6 58.7
77 30.6 24.6 37.0



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

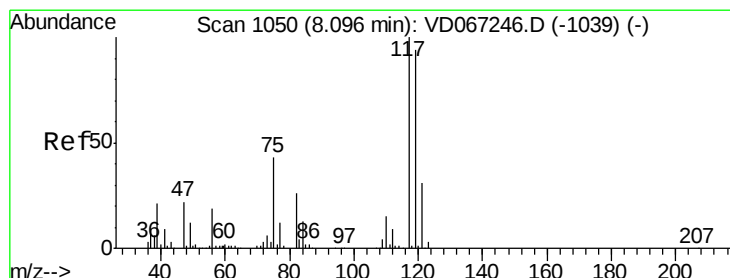
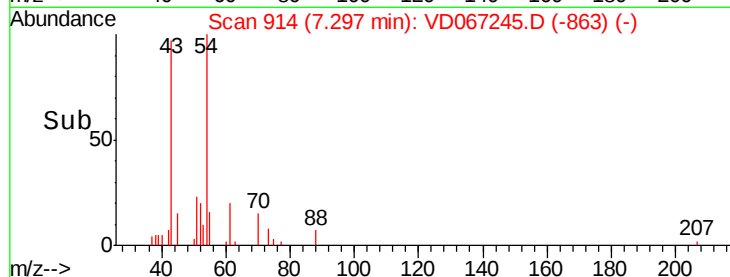
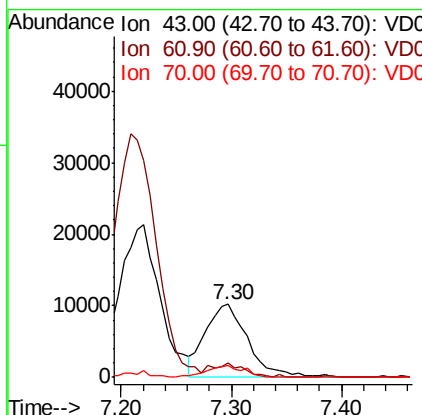
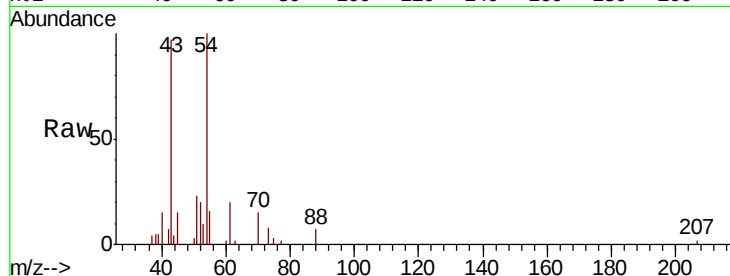




#37
Ethyl Acetate
Concen: 21.712 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

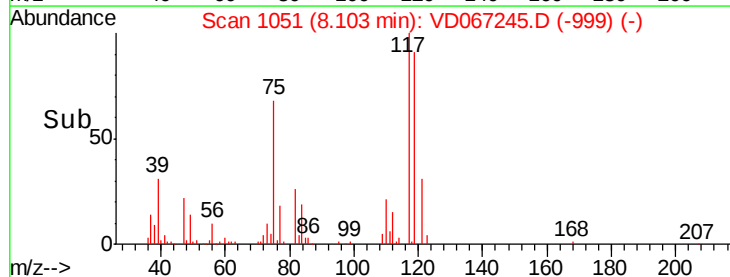
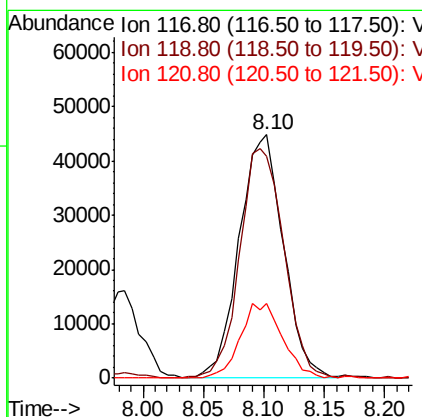
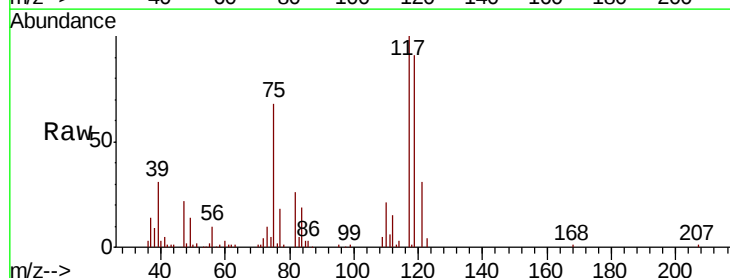
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

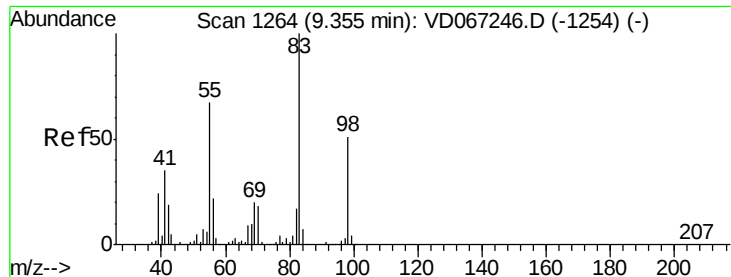
Tot Ion: 43 Resp: 27285
Ion Ratio Lower Upper
43 100
61 14.7 15.6 23.4#
70 13.8 10.4 15.6



#38
Carbon Tetrachloride
Concen: 20.864 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Tgt Ion: 117 Resp: 113901
Ion Ratio Lower Upper
117 100
119 90.7 75.0 112.4
121 30.7 24.9 37.3

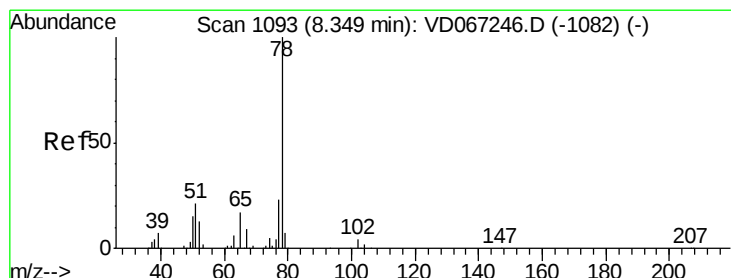
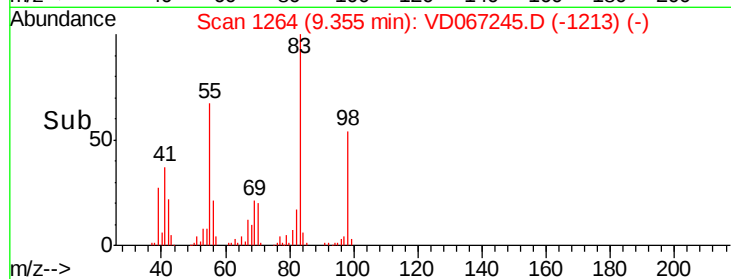
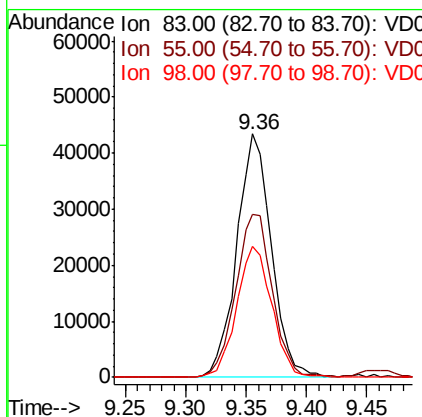
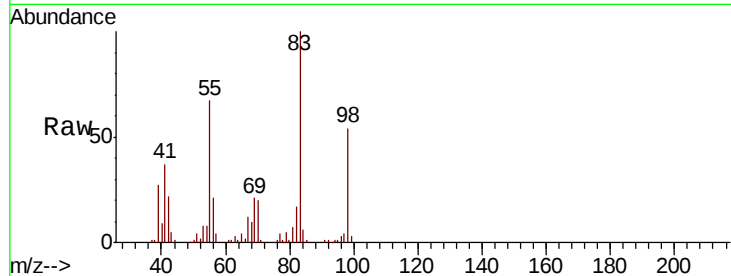




#39
Methvlcvclohexane
Concen: 19.422 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

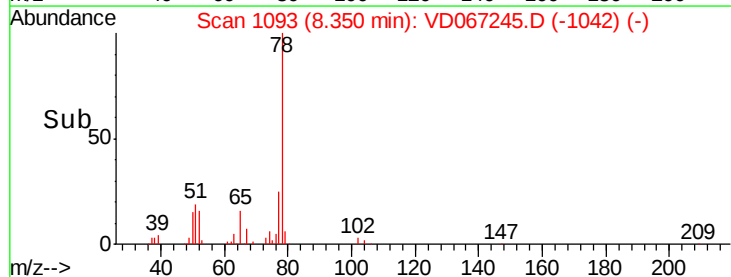
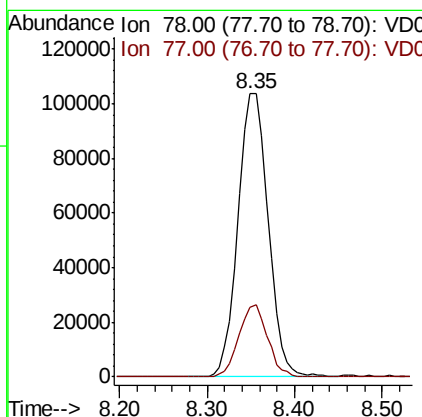
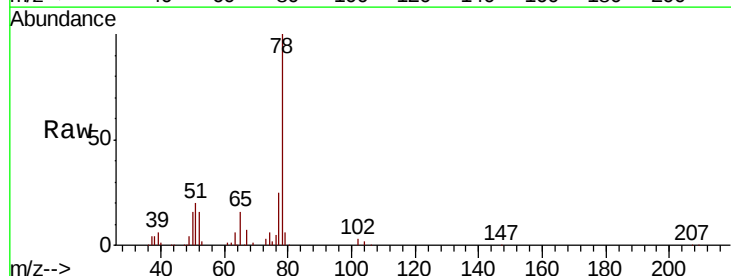
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

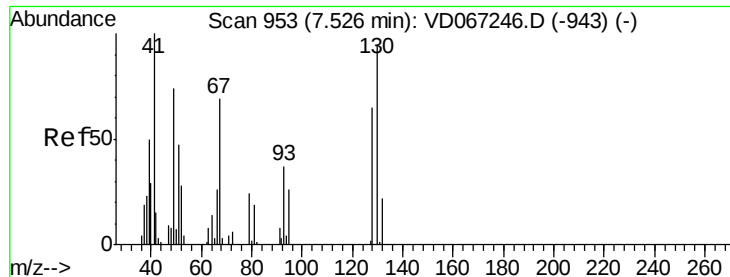
Tot Ion	83	Resp	86727
Ion Ratio	Lower	Upper	
83	100		
55	66.8	53.3	79.9
98	53.8	41.0	61.4



#40
Benzene
Concen: 20.699 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Tgt Ion	78	Resp	242555
Ion Ratio	Lower	Upper	
78	100		
77	24.6	18.3	27.5

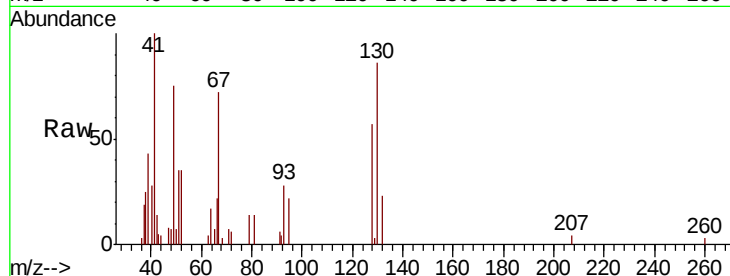




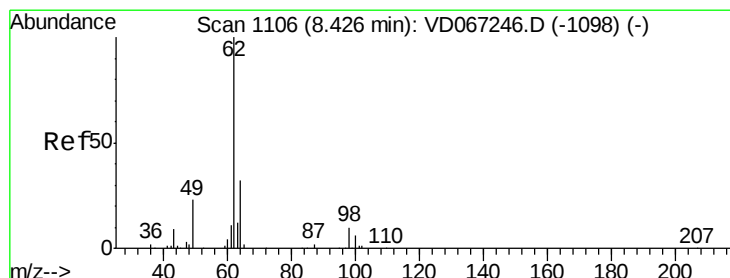
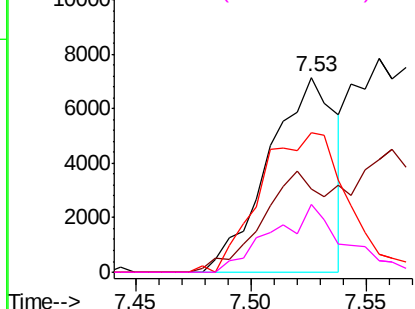
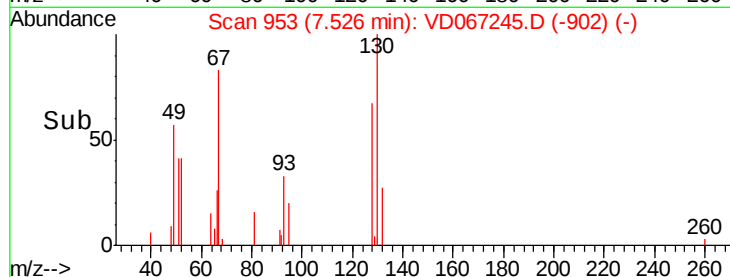
#41
Methacrylonitrile
Concen: 21.359 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:	41	Resp:	14505
Ion	Ratio	Lower	Upper
41	100		
39	45.7	60.0	90.0#
67	93.3	88.9	133.3
52	37.0	36.9	55.3

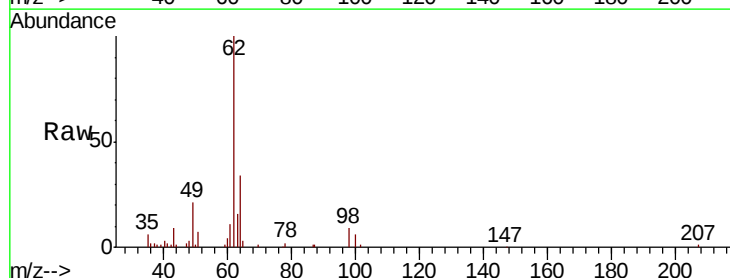


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

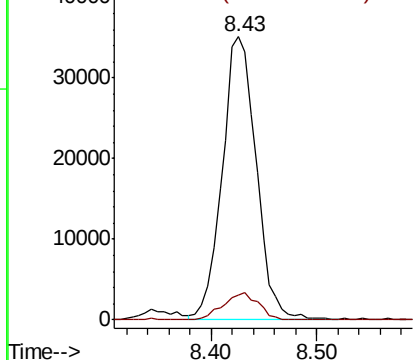
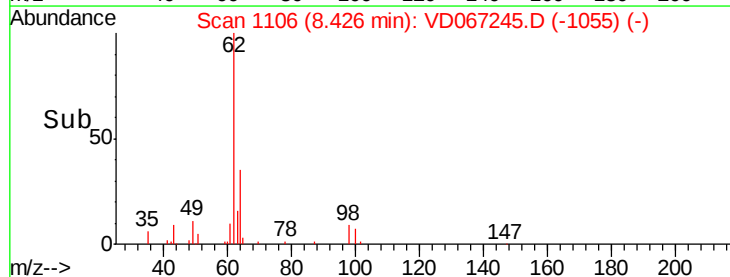


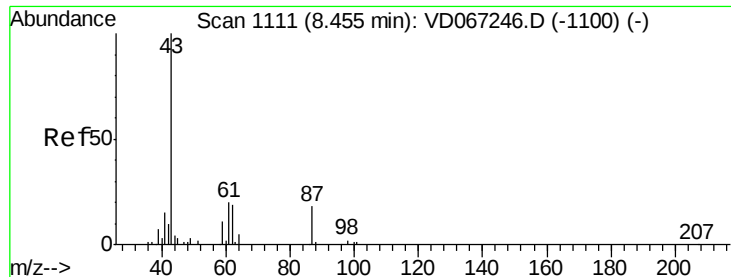
#42
1,2-Dichloroethane
Concen: 21.274 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Tgt Ion:	62	Resp:	78014
Ion	Ratio	Lower	Upper
62	100		
98	9.8	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: 21.216 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

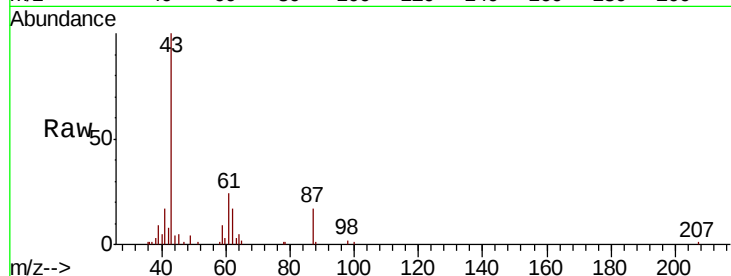
Tot Ion: 43 Resp: 52905

Ion Ratio Lower Upper

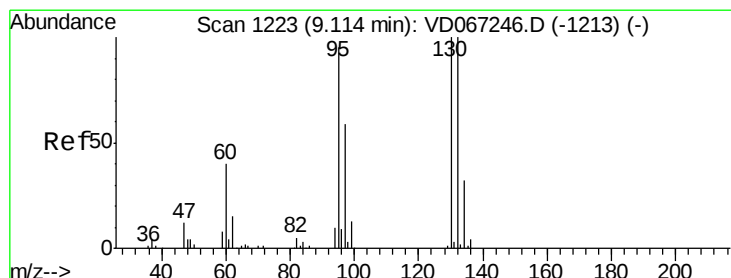
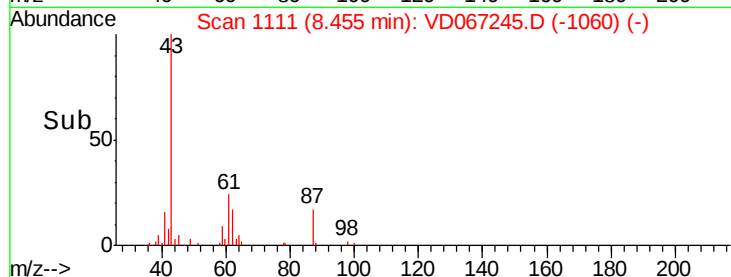
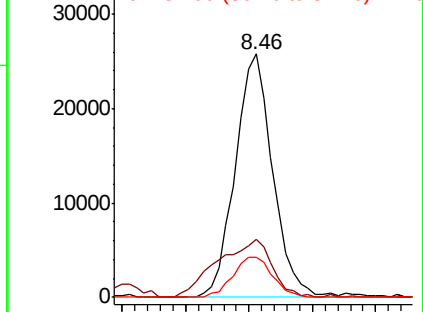
43 100

61 34.7 29.5 44.3

87 17.5 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: 21.252 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD067245.D

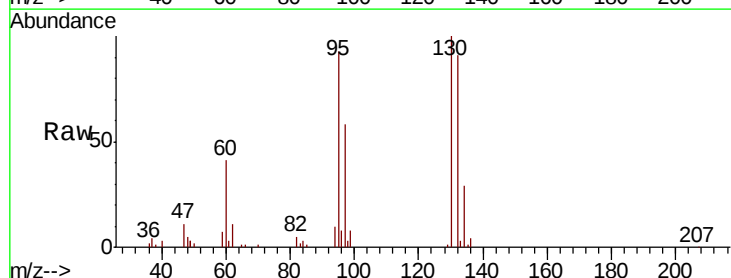
Acq: 13 Oct 2020 11:22

Tgt Ion:130 Resp: 79732

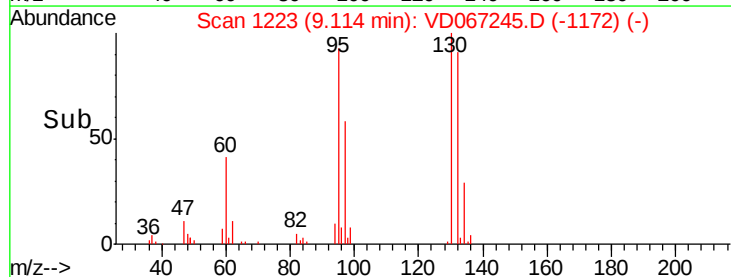
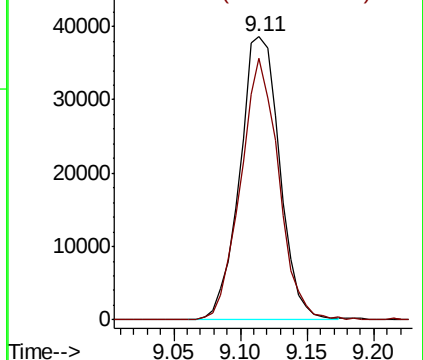
Ion Ratio Lower Upper

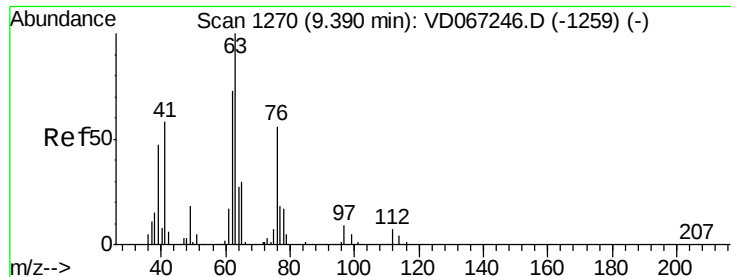
130 100

95 92.6 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.115 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

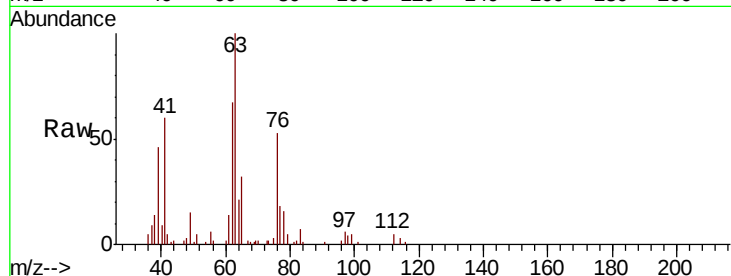
VSTDIC020

Tot Ion: 63 Resp: 57343

Ion Ratio Lower Upper

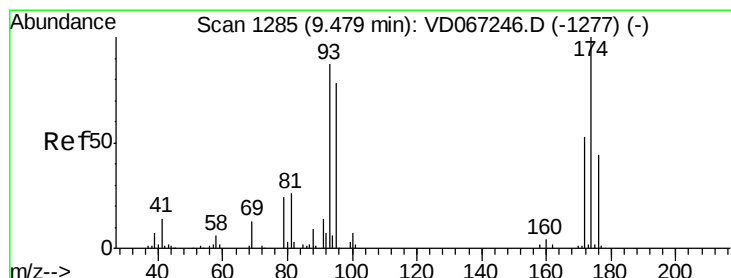
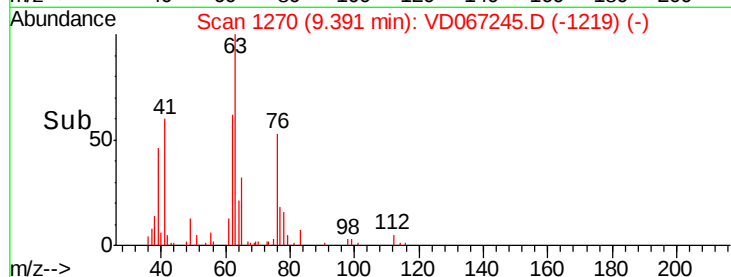
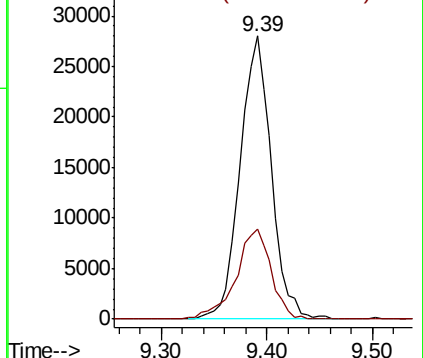
63 100

65 32.0 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 21.089 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

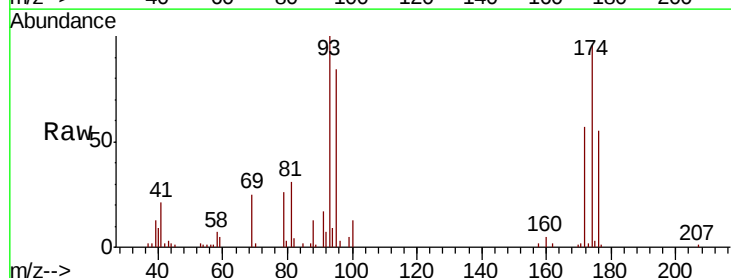
Tgt Ion: 93 Resp: 35683

Ion Ratio Lower Upper

93 100

95 81.5 68.0 102.0

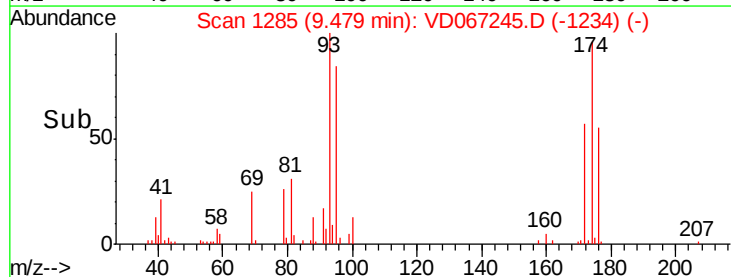
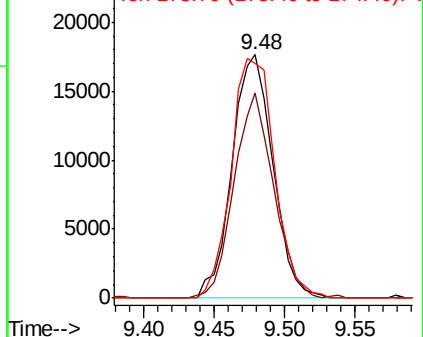
174 104.2 91.8 137.6

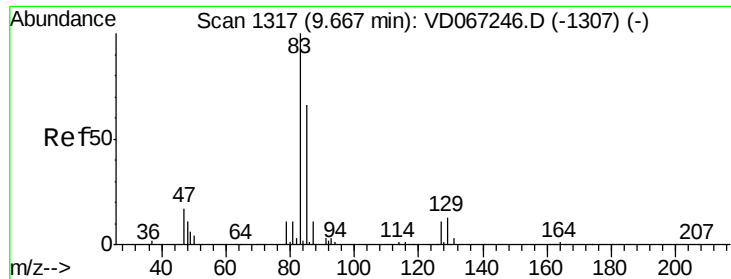


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

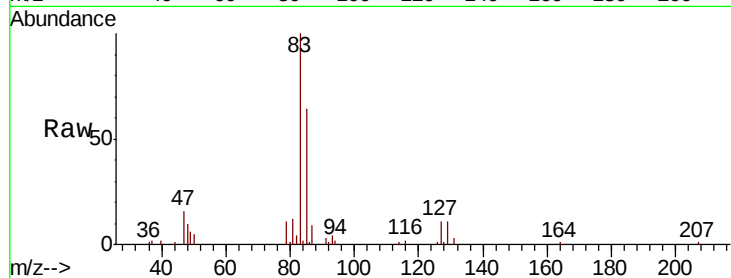




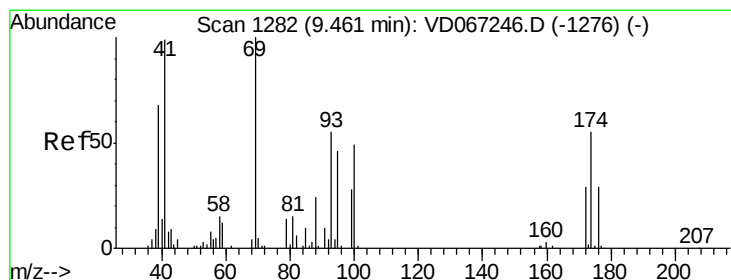
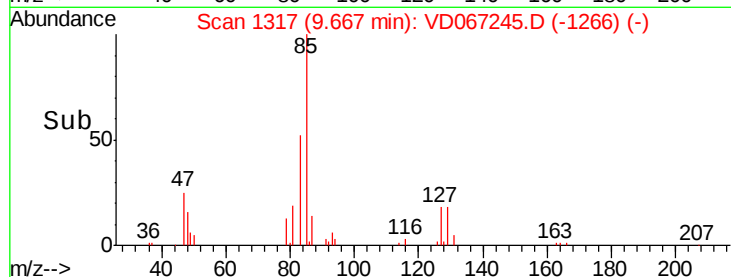
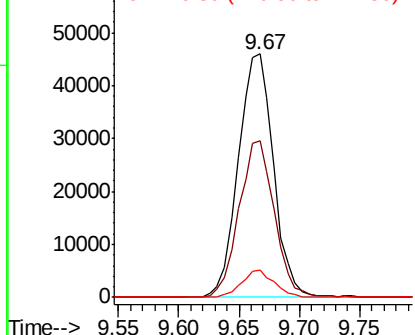
#47
Bromodichloromethane
Concen: 20.585 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	93318
Ion Ratio	Lower	Upper	
83	100		
85	64.3	53.1	79.7
127	11.3	8.6	13.0

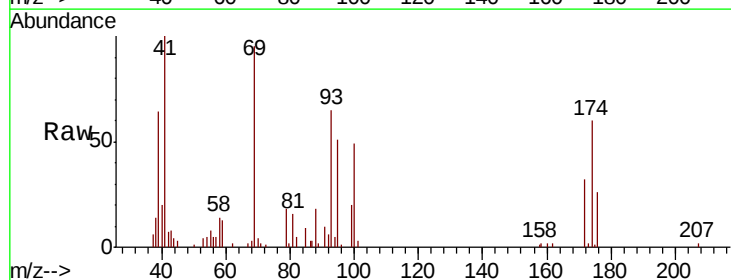


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC

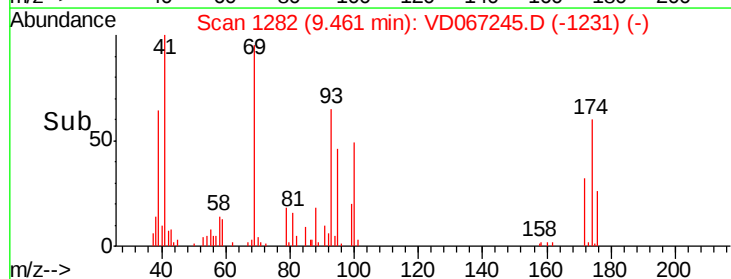
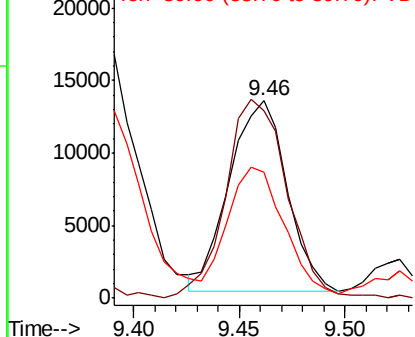


#48
Methyl methacrylate
Concen: 20.447 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Tgt Ion	41	Resp	24778
Ion Ratio	Lower	Upper	
41	100		
69	112.4	89.0	133.6
39	69.0	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

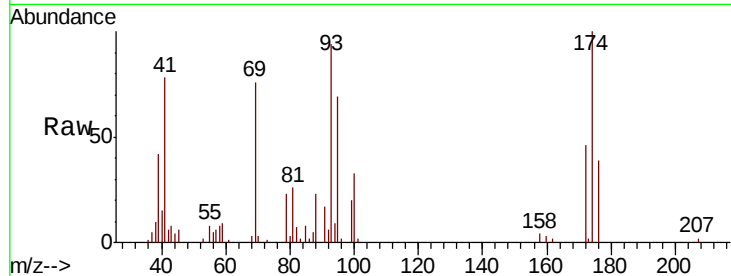




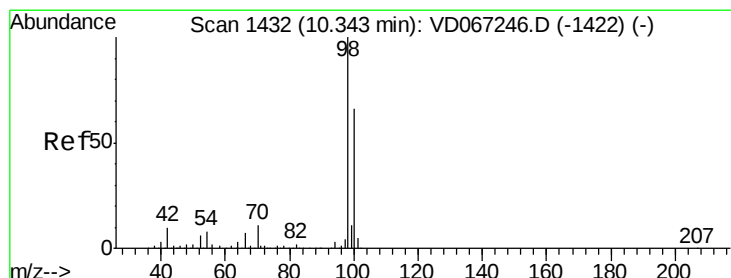
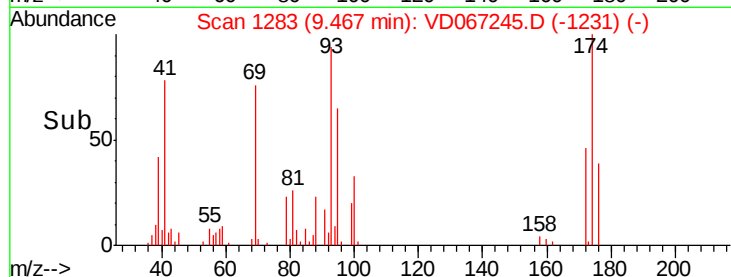
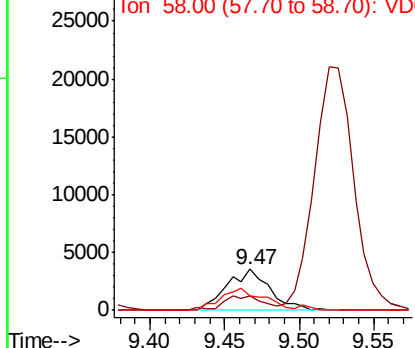
#49
1,4-Dioxane
Concen: 414.732 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 88 Resp: 7082
Ion Ratio Lower Upper
88 100
43 33.1 23.9 35.9
58 53.2 51.0 76.6

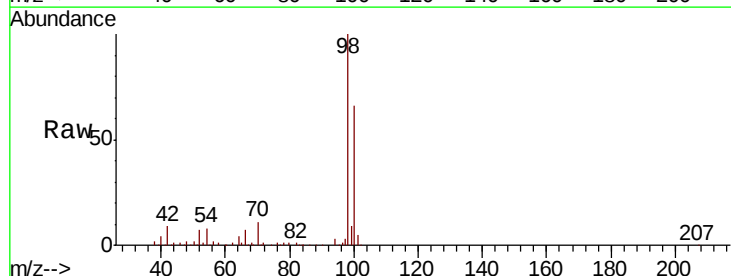


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

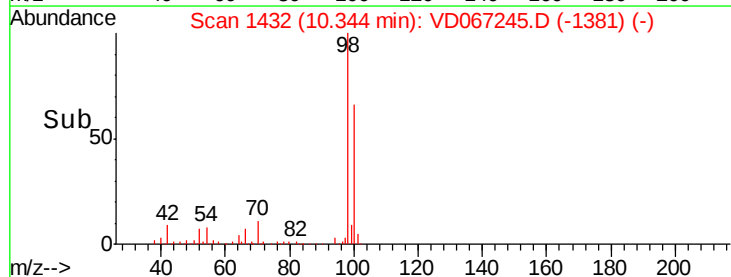
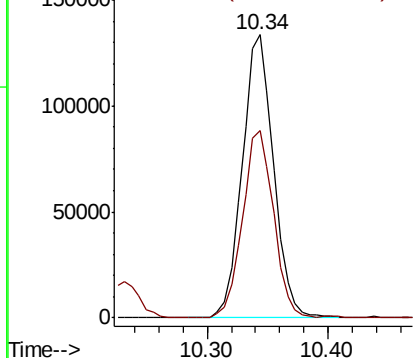


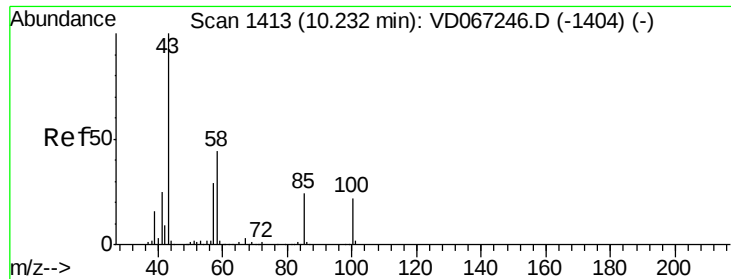
#50
Toluene-d8
Concen: 19.904 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Tgt Ion: 98 Resp: 241572
Ion Ratio Lower Upper
98 100
100 65.7 53.1 79.7



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





#51

4-Methyl-2-Pentanone

Concen: 107.098 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

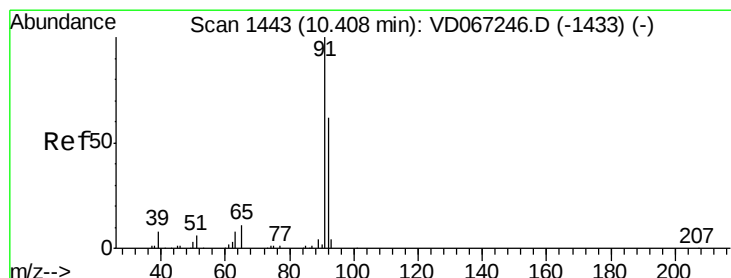
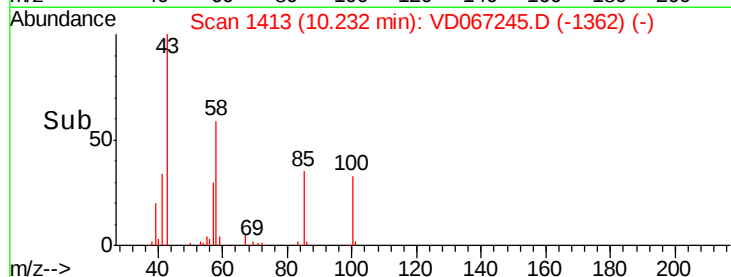
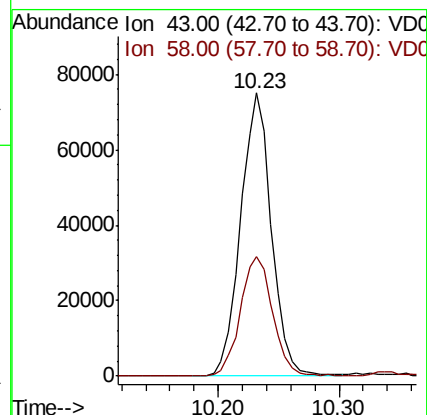
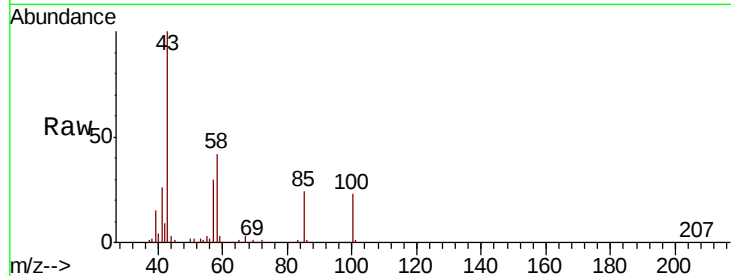
VSTDIC020

Tot Ion: 43 Resp: 133202

Ion Ratio Lower Upper

43 100

58 44.1 35.7 53.5



#52

Toluene

Concen: 21.063 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067245.D

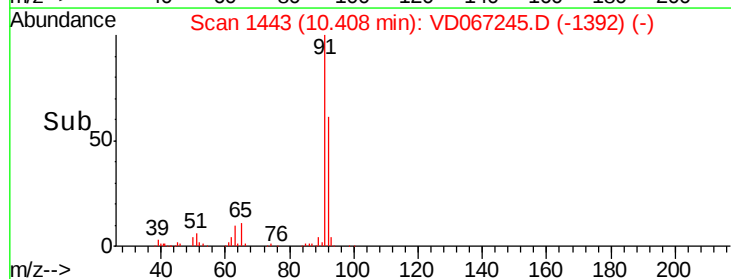
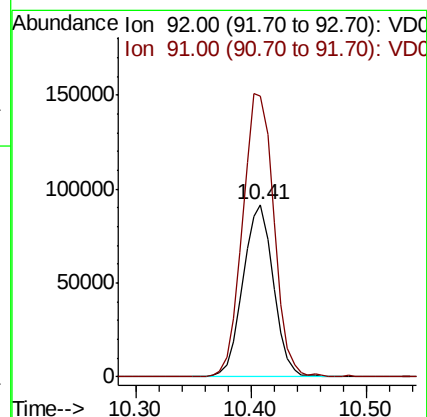
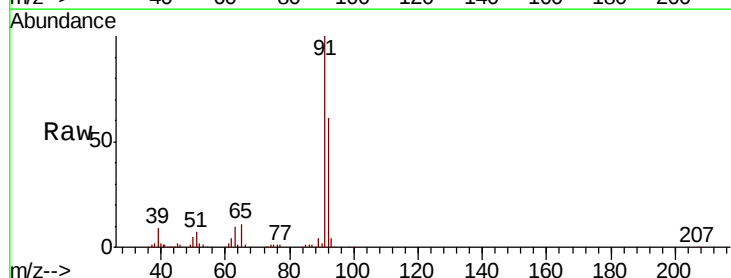
Acq: 13 Oct 2020 11:22

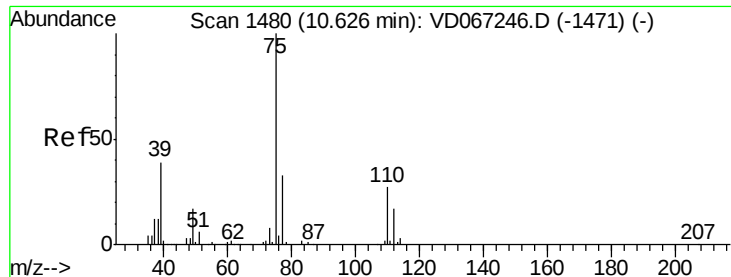
Tgt Ion: 92 Resp: 168108

Ion Ratio Lower Upper

92 100

91 168.8 133.8 200.8

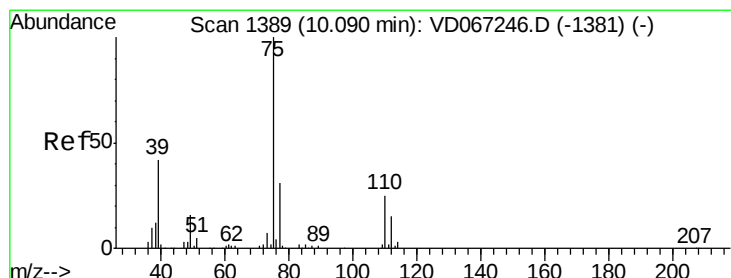
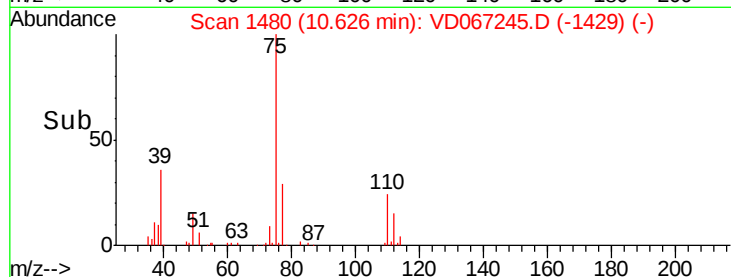
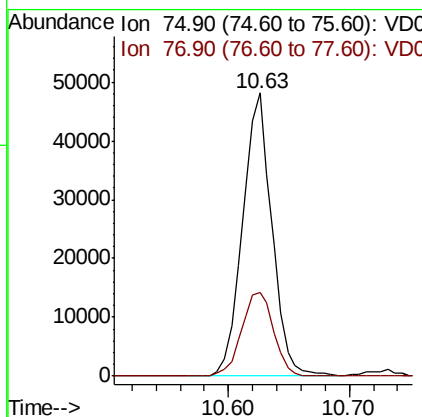
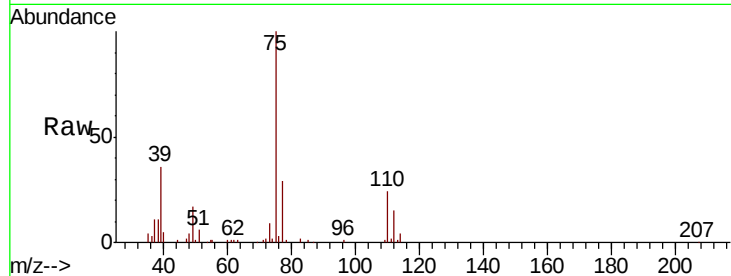




#53
t-1,3-Dichloropropene
Concen: 20.493 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

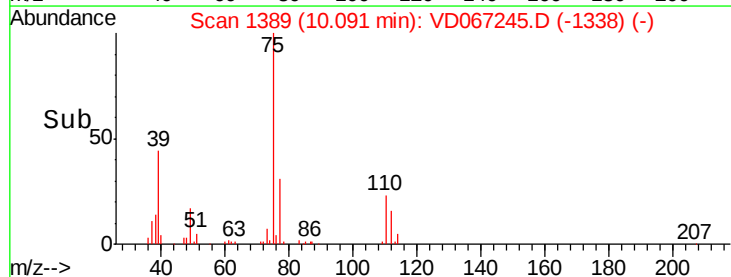
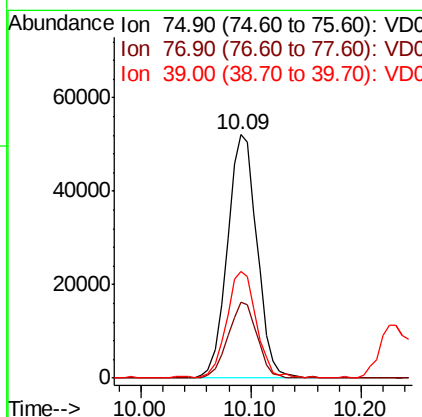
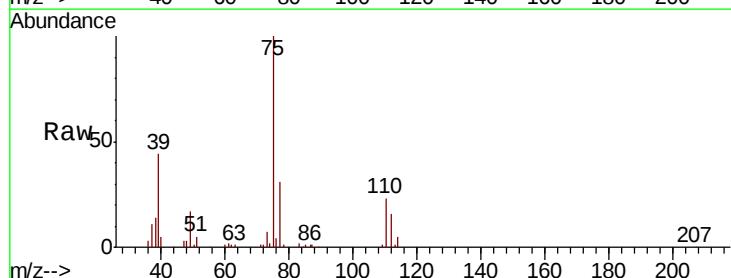
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

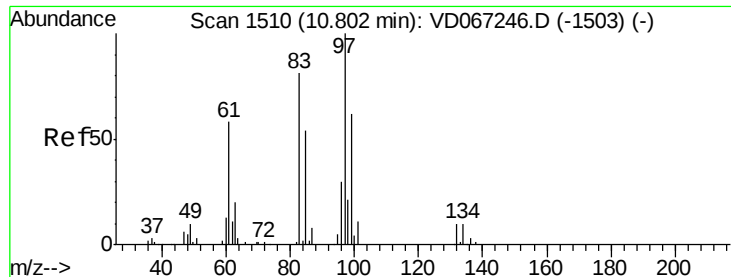
Tot Ion: 75 Resp: 81611
Ion Ratio Lower Upper
75 100
77 29.4 26.5 39.7



#54
cis-1,3-Dichloropropene
Concen: 21.043 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Tgt Ion: 75 Resp: 98070
Ion Ratio Lower Upper
75 100
77 31.3 24.5 36.7
39 43.6 33.7 50.5

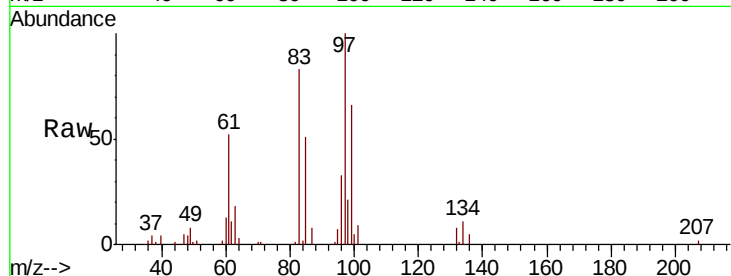




#55
 1,1,2-Trichloroethane
 Concen: 21.915 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067245.D
 Acq: 13 Oct 2020 11:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	50564
Ion	Ratio	Lower	Upper
97	100		
83	83.0	64.9	97.3
85	51.2	43.3	64.9
99	66.2	49.1	73.7



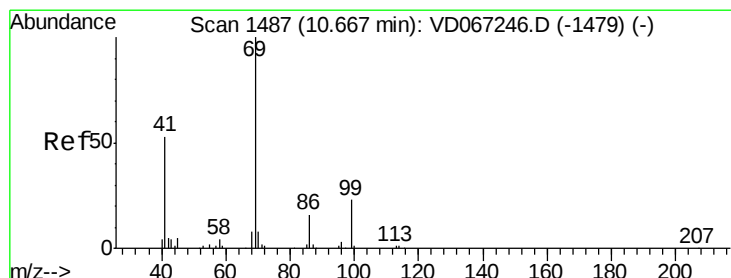
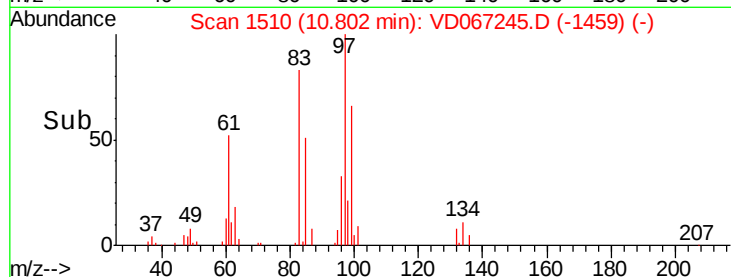
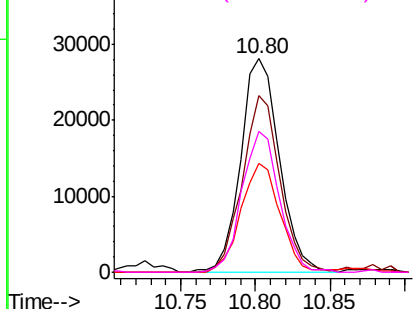
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

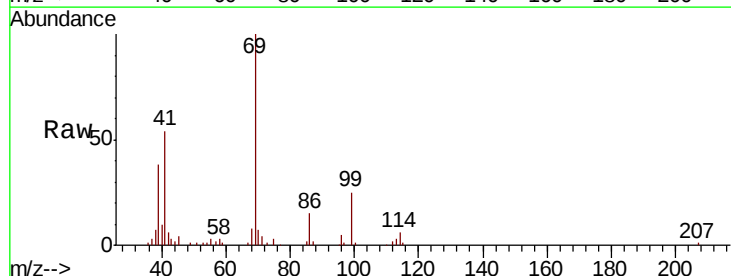
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 20.898 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD067245.D
 Acq: 13 Oct 2020 11:22

Tgt Ion:	69	Resp:	50008
Ion	Ratio	Lower	Upper
69	100		
41	57.3	44.7	67.1
39	34.5	26.2	39.2

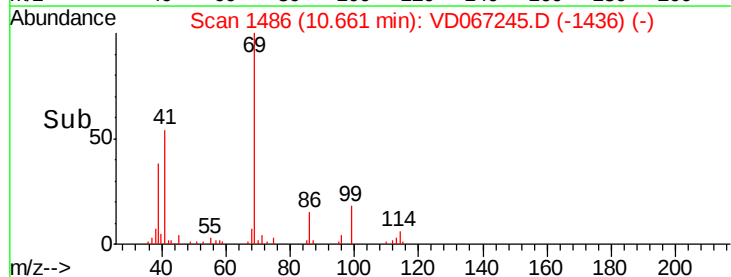
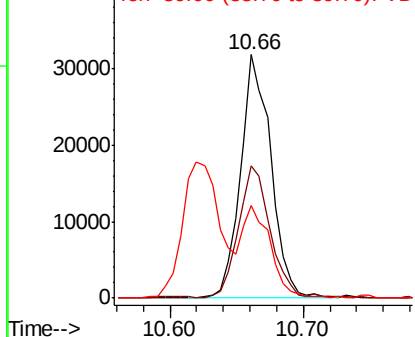


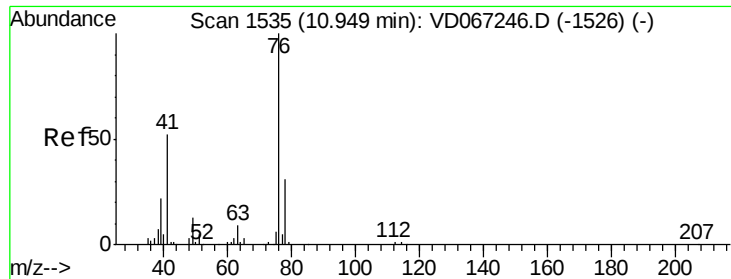
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 21.593 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

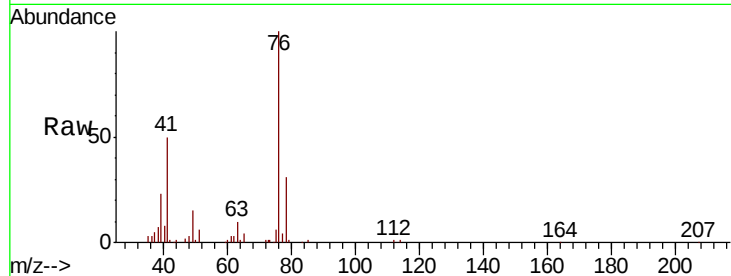
VSTDIC020

Tot Ion: 76 Resp: 79286

Ion Ratio Lower Upper

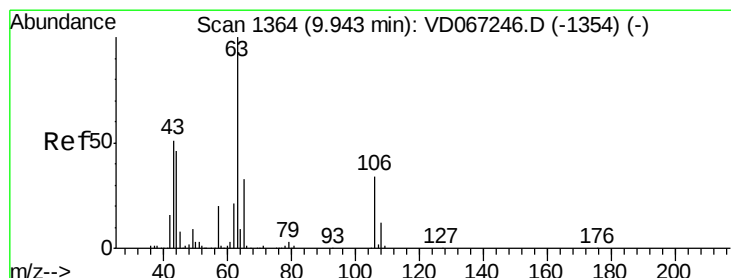
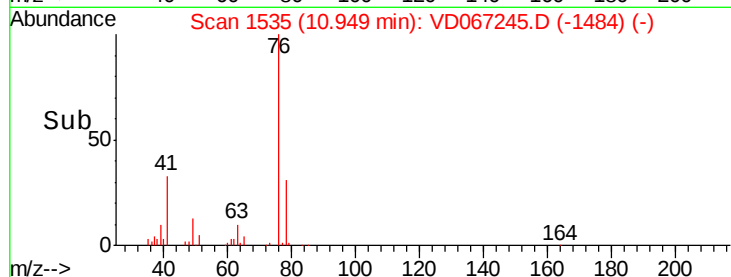
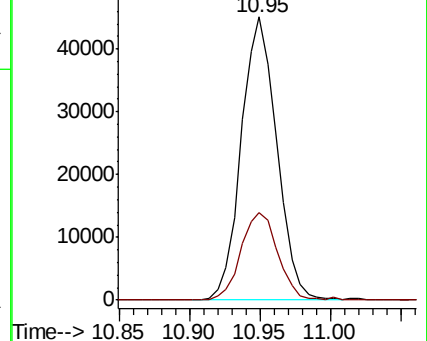
76 100

78 32.2 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: 108.010 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067245.D

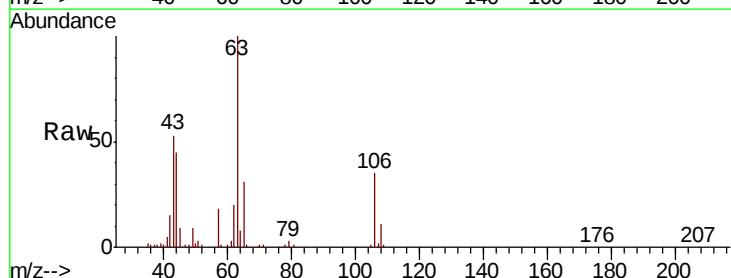
Acq: 13 Oct 2020 11:22

Tgt Ion: 63 Resp: 132590

Ion Ratio Lower Upper

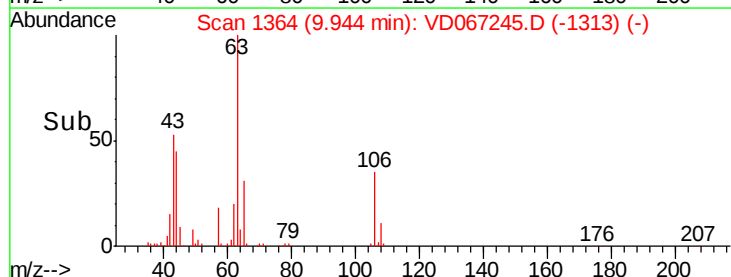
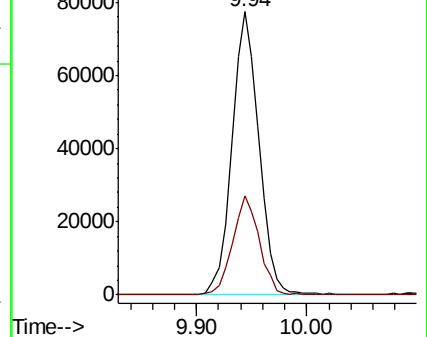
63 100

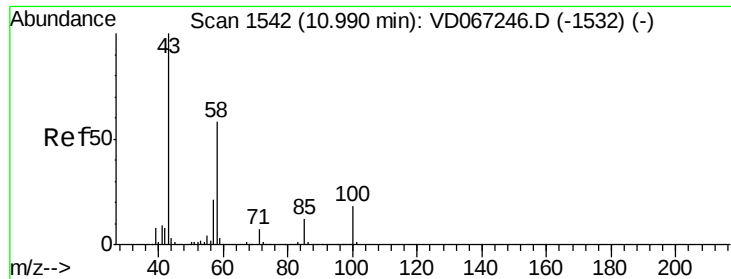
106 34.7 27.8 41.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

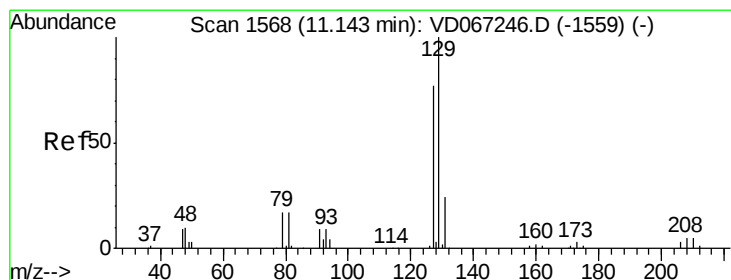
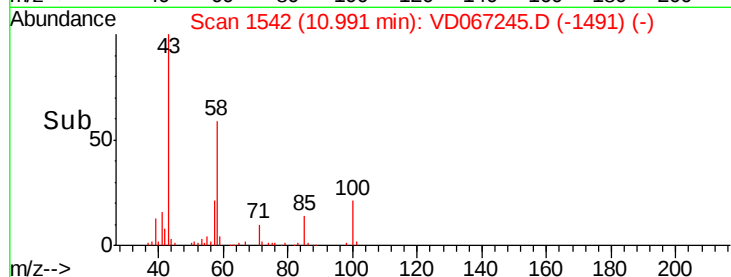
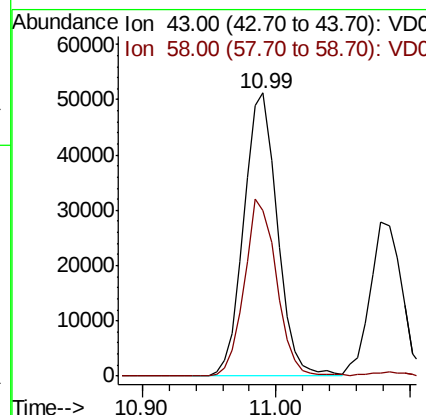
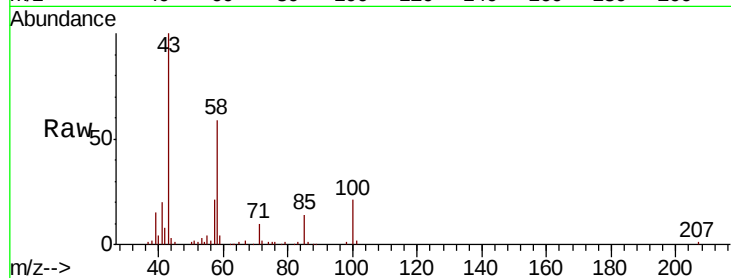




#59
2-Hexanone
Concen: 104.556 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

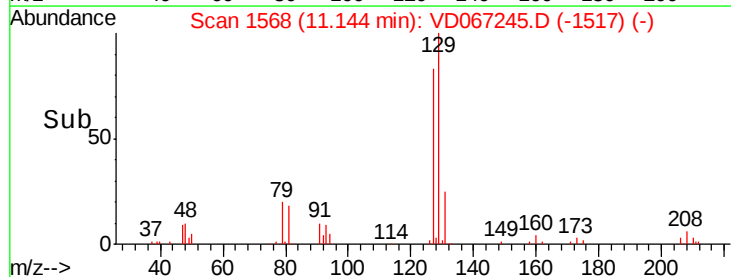
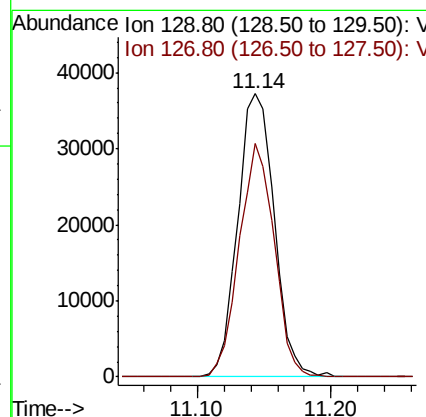
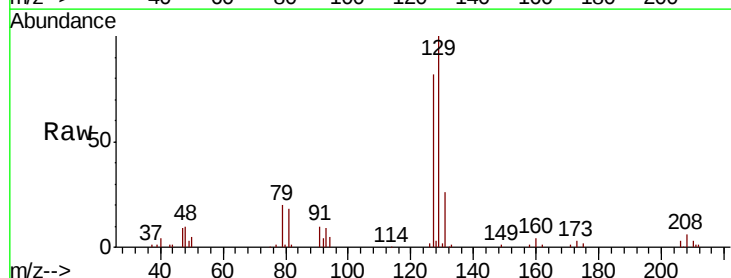
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

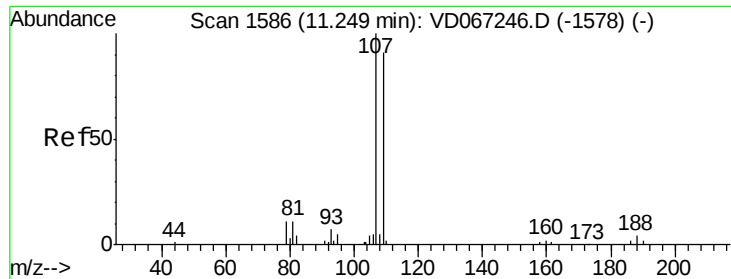
Tot Ion: 43 Resp: 88861
Ion Ratio Lower Upper
43 100
58 60.0 29.3 87.9



#60
Dibromochloromethane
Concen: 20.999 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Tgt Ion: 129 Resp: 70659
Ion Ratio Lower Upper
129 100
127 78.8 38.3 114.8

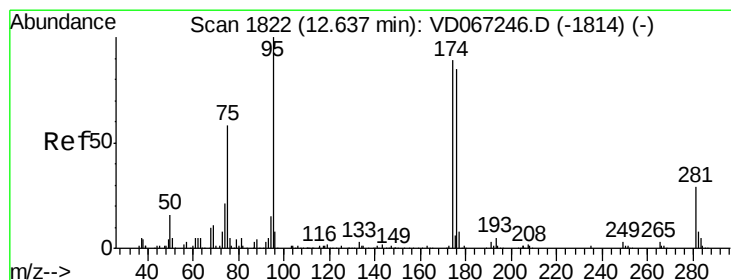
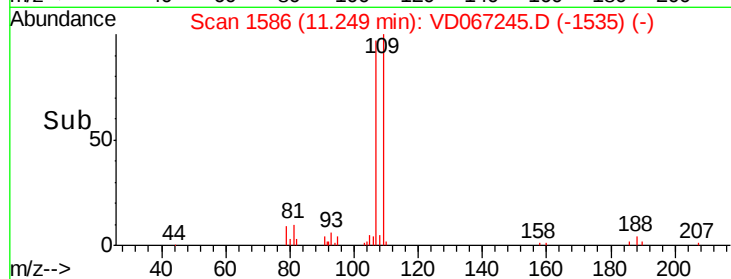
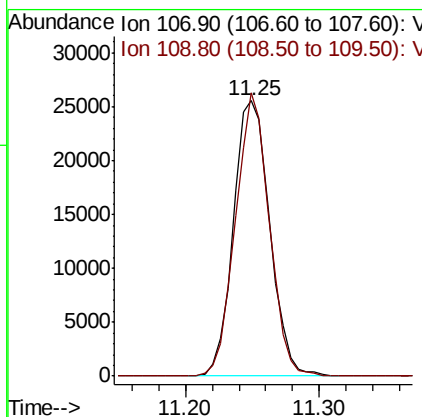
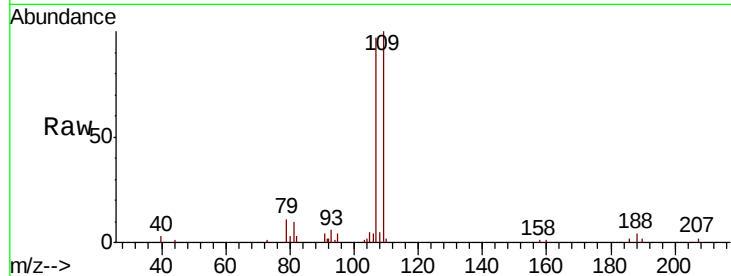




#61
 1,2-Dibromoethane
 Concen: 21.207 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067245.D
 Acq: 13 Oct 2020 11:22

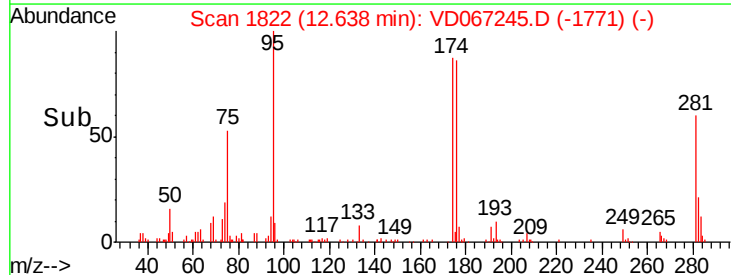
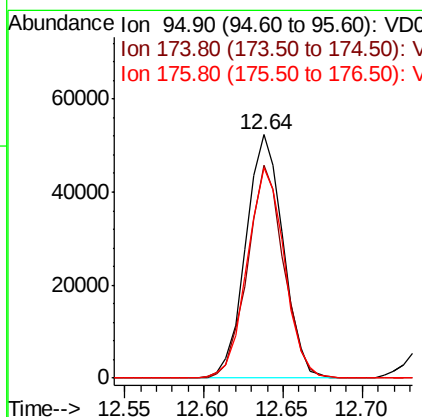
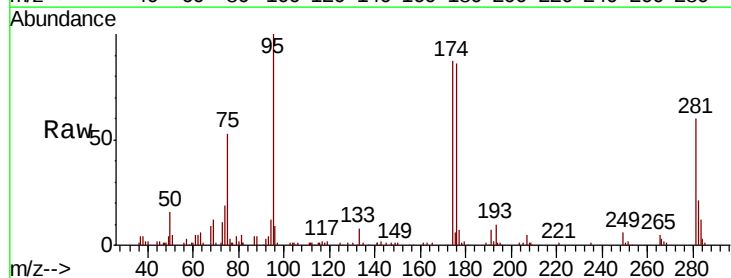
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:107 Resp: 48240
 Ion Ratio Lower Upper
 107 100
 109 95.1 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 20.294 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067245.D
 Acq: 13 Oct 2020 11:22

Tgt Ion: 95 Resp: 85649
 Ion Ratio Lower Upper
 95 100
 174 84.7 0.0 175.2
 176 86.2 0.0 168.6

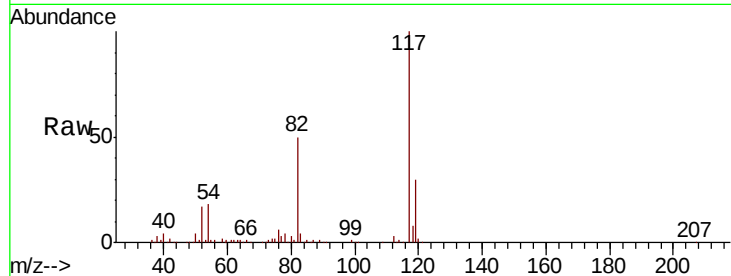




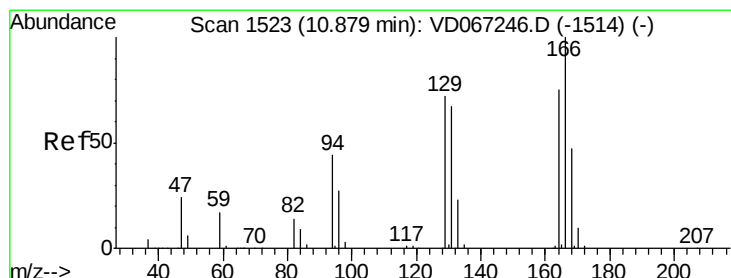
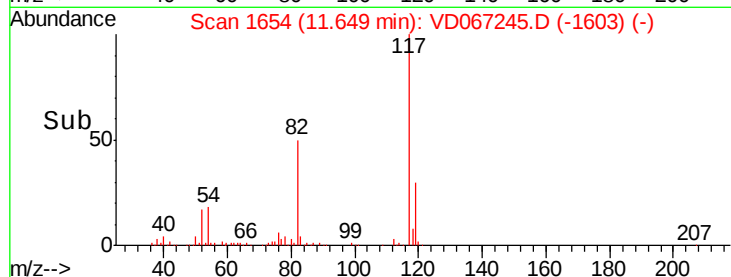
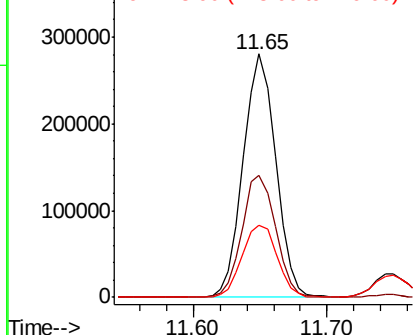
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:117 Resp: 474717
Ion Ratio Lower Upper
117 100
82 50.2 39.9 59.9
119 29.8 24.9 37.3

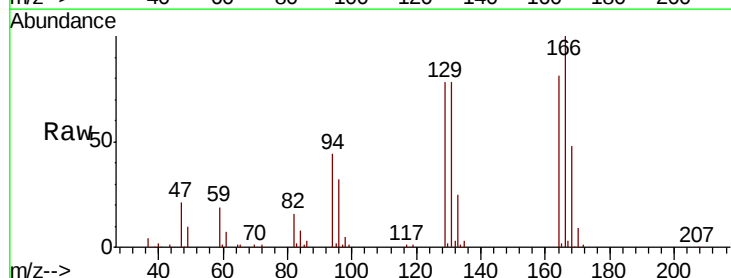


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

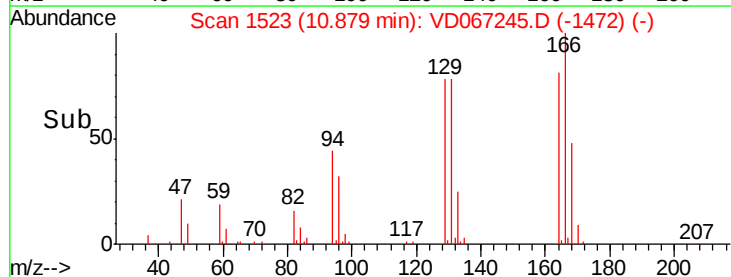
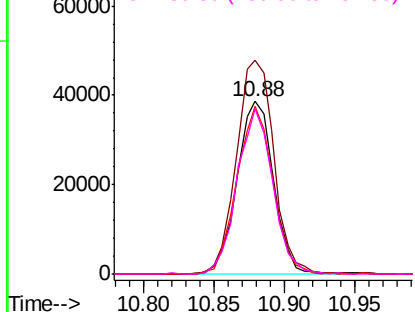


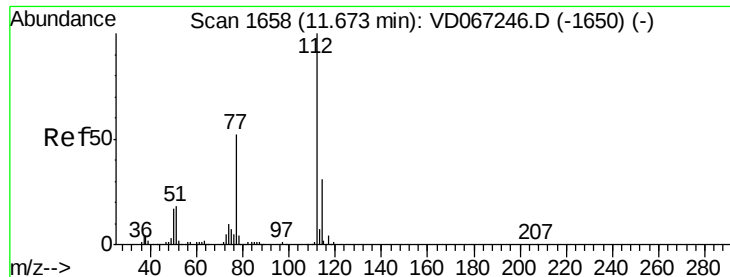
#64
Tetrachloroethene
Concen: 20.280 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Tgt Ion:164 Resp: 69754
Ion Ratio Lower Upper
164 100
166 123.8 107.3 160.9
129 97.0 77.3 115.9
131 96.1 71.4 107.2



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





#65

Chlorobenzene

Concen: 20.989 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

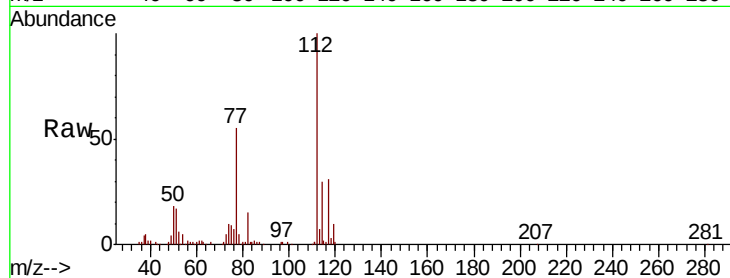
VSTDIC020

Tot Ion:112 Resp: 191069

Ion Ratio Lower Upper

112 100

114 30.4 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

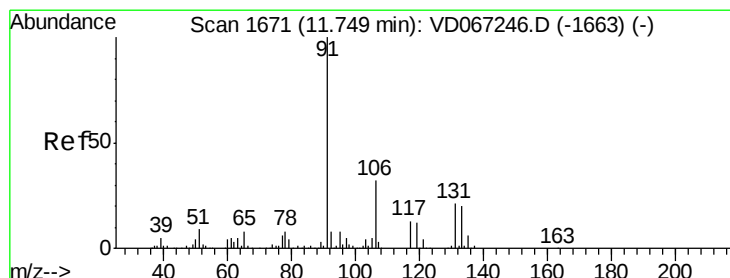
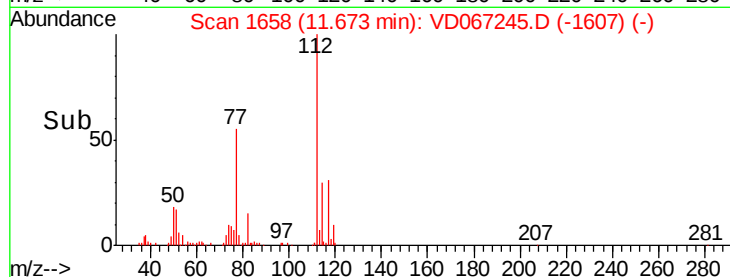
60000

40000

20000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.489 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

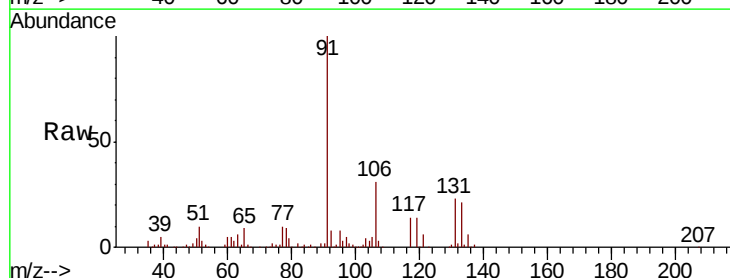
Tgt Ion:131 Resp: 74131

Ion Ratio Lower Upper

131 100

133 96.7 48.1 144.3

119 64.3 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

100000

80000

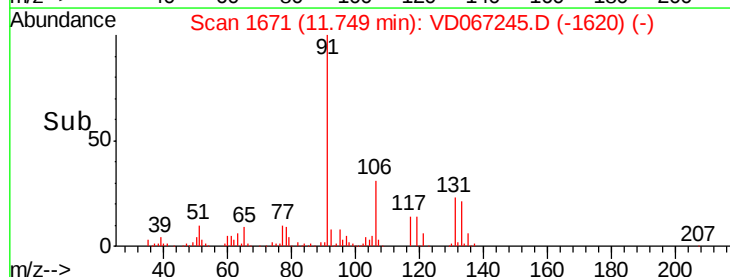
60000

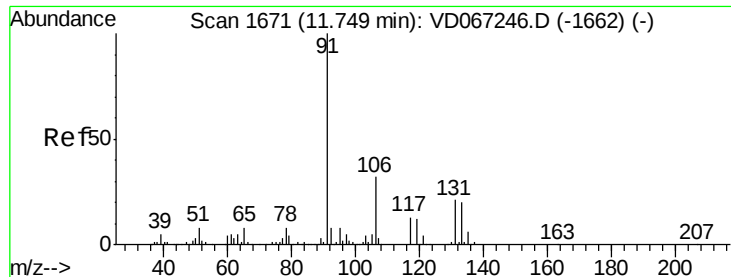
40000

20000

0

Time-->

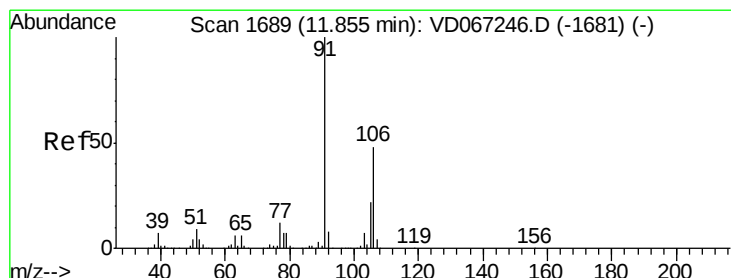
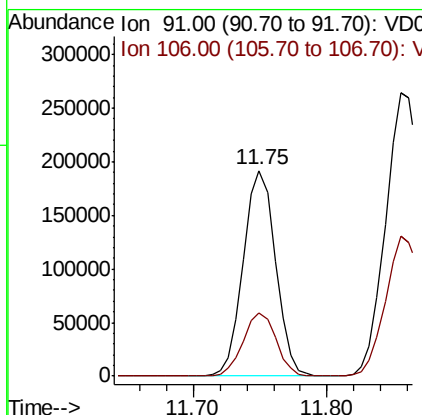
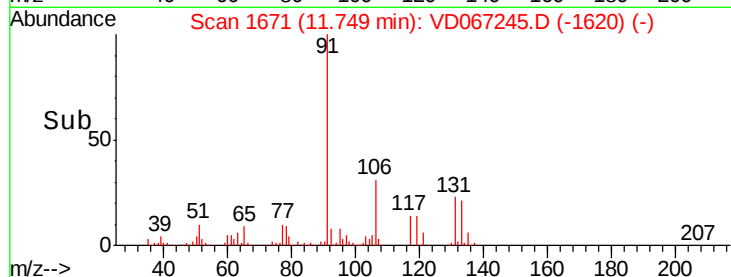
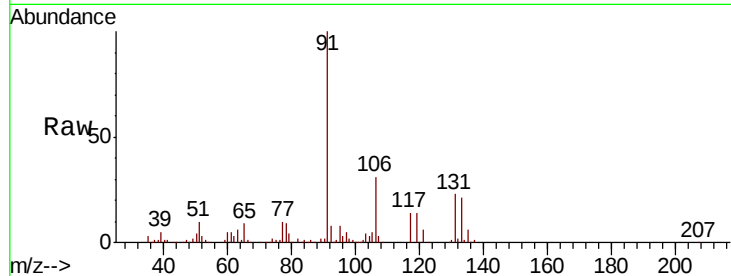




#67
Ethyl Benzene
Concen: 20.584 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

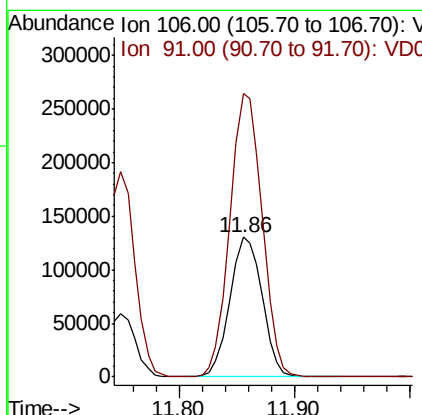
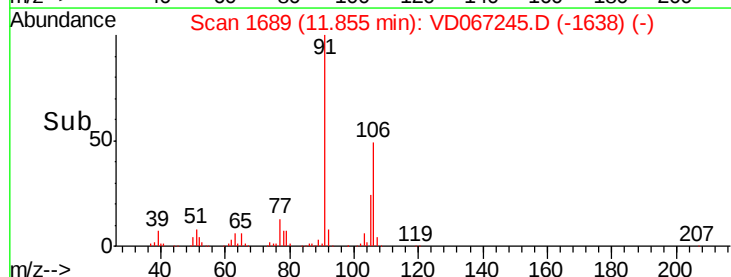
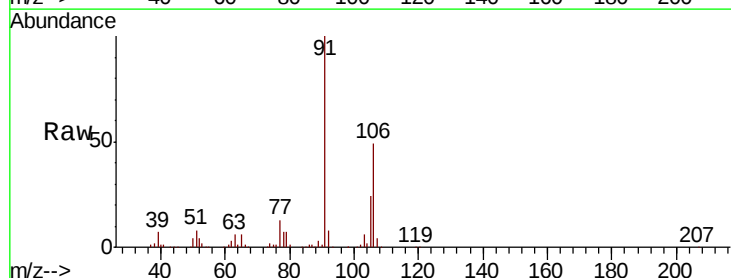
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

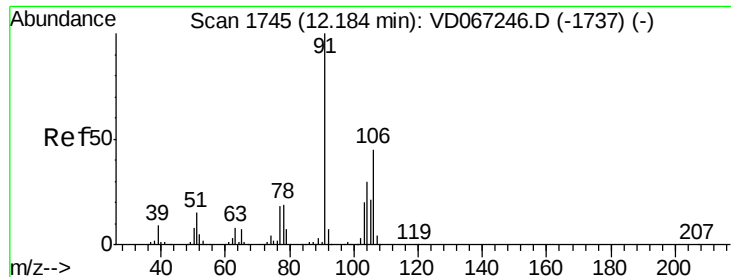
Tot Ion: 91 Resp: 321199
Ion Ratio Lower Upper
91 100
106 30.7 25.4 38.0



#68
m/p-Xylenes
Concen: 42.093 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Tgt Ion: 106 Resp: 252940
Ion Ratio Lower Upper
106 100
91 202.8 163.8 245.8

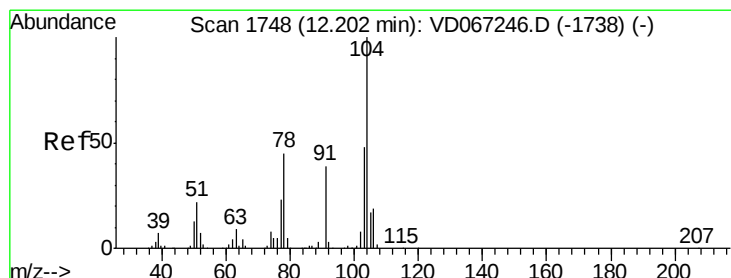
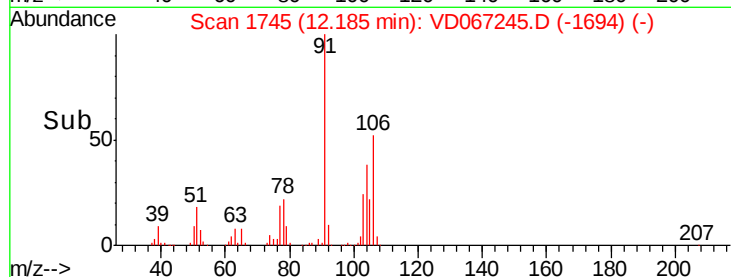
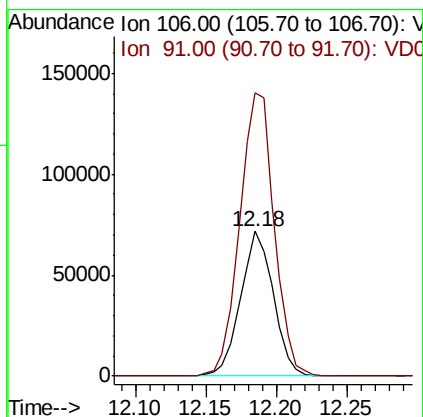
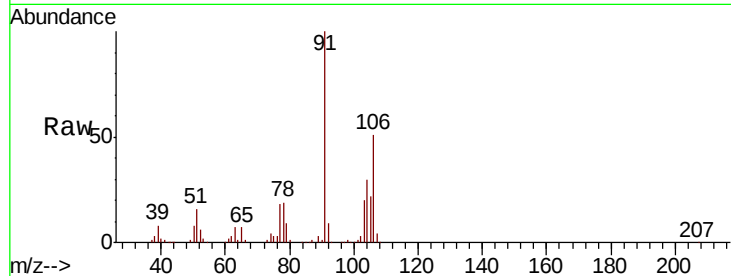




#69
o-Xylene
Concen: 20.952 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

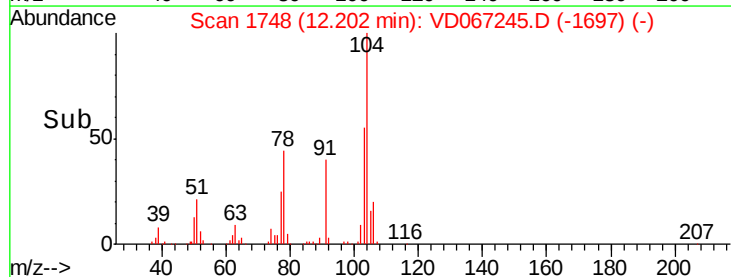
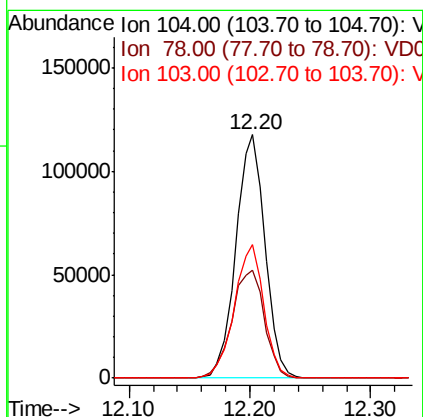
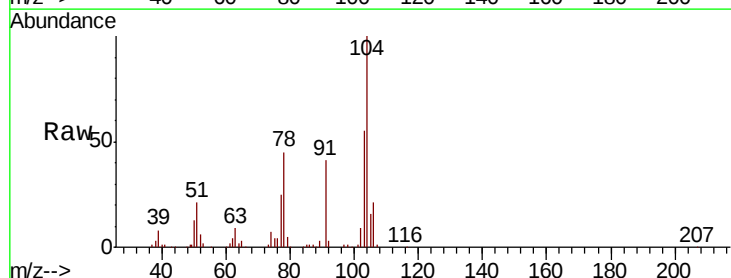
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

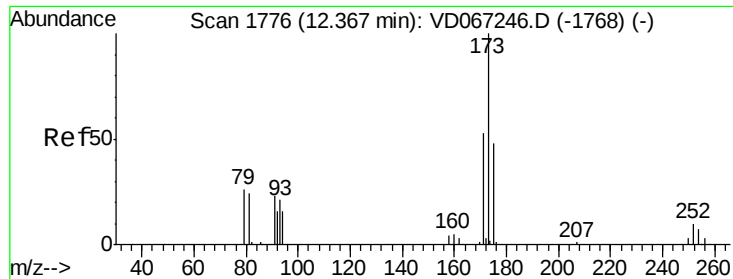
Tot Ion:106 Resp: 116585
Ion Ratio Lower Upper
106 100
91 205.5 109.1 327.3



#70
Styrene
Concen: 20.752 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Tgt Ion:104 Resp: 198780
Ion Ratio Lower Upper
104 100
78 49.3 39.8 59.6
103 55.4 42.6 64.0





#71

Bromoform

Concen: 20.574 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

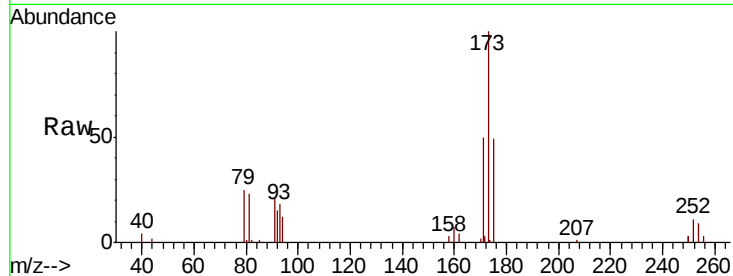
Tot Ion:173 Resp: 39990

Ion Ratio Lower Upper

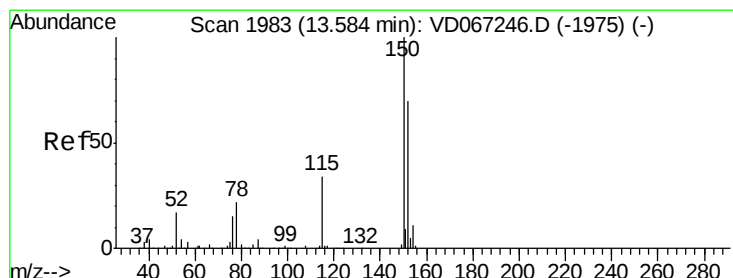
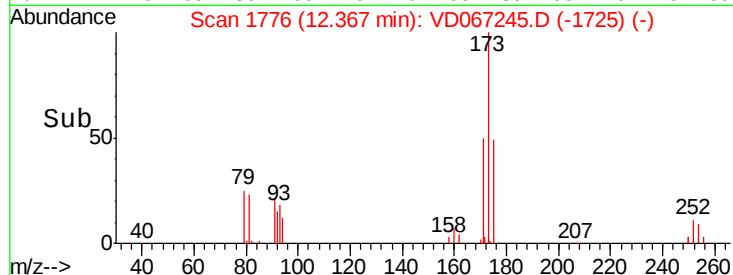
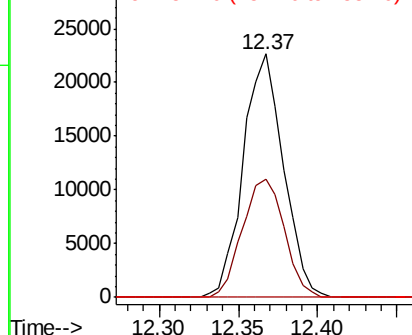
173 100

175 50.4 24.2 72.6

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

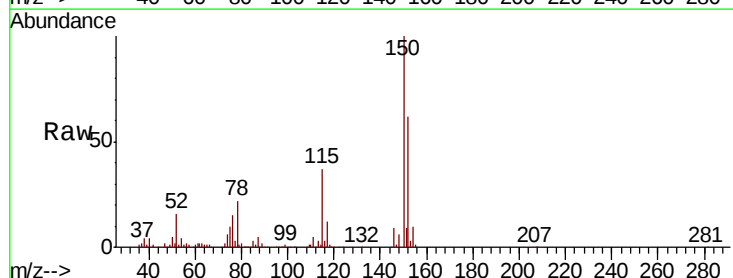
Tgt Ion:152 Resp: 241994

Ion Ratio Lower Upper

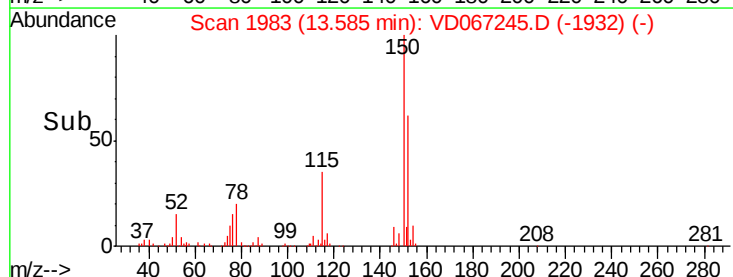
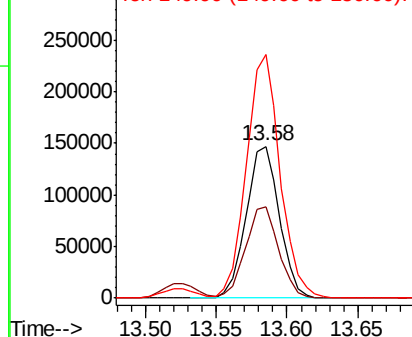
152 100

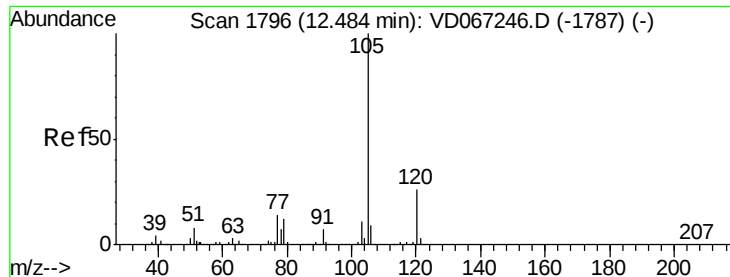
115 60.3 29.3 87.9

150 163.2 0.0 339.0



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





#73

Isopropylbenzene

Concen: 20.686 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

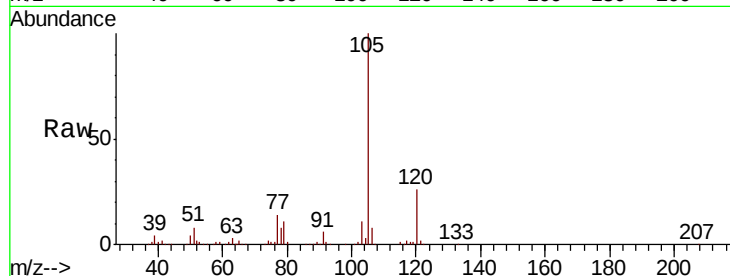
VSTDIC020

Tot Ion:105 Resp: 317715

Ion Ratio Lower Upper

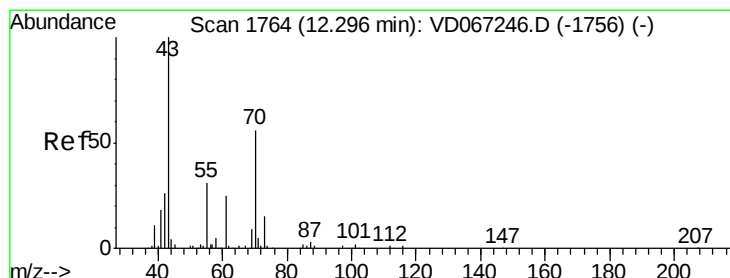
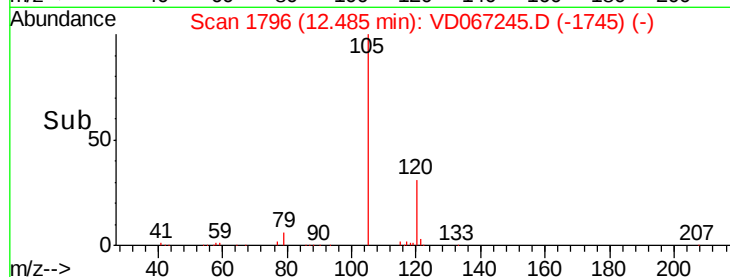
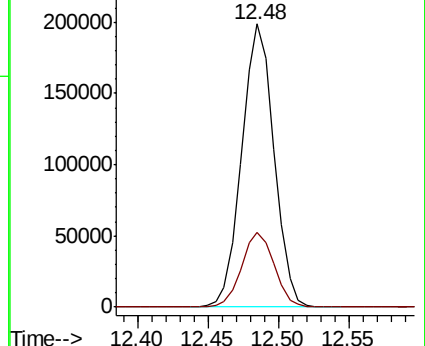
105 100

120 26.6 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.353 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

Tgt Ion: 43 Resp: 47211

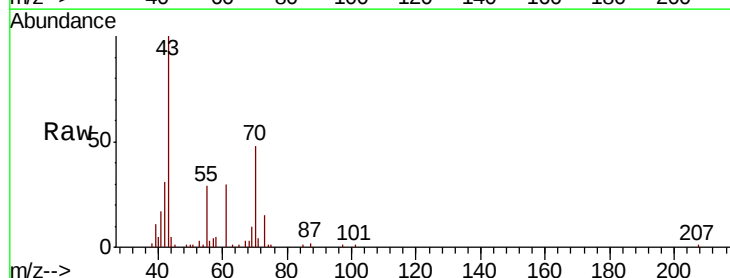
Ion Ratio Lower Upper

43 100

70 50.5 42.7 64.1

55 29.0 24.0 36.0

61 28.9 22.2 33.4

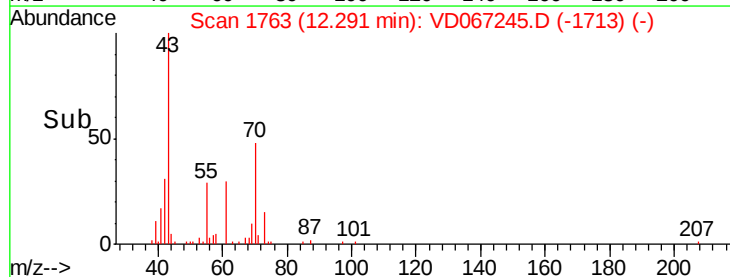
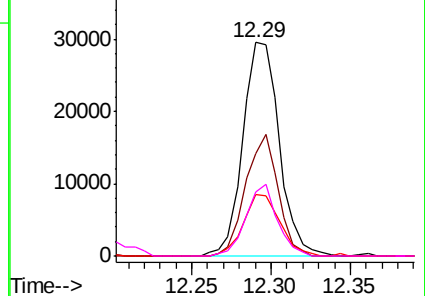


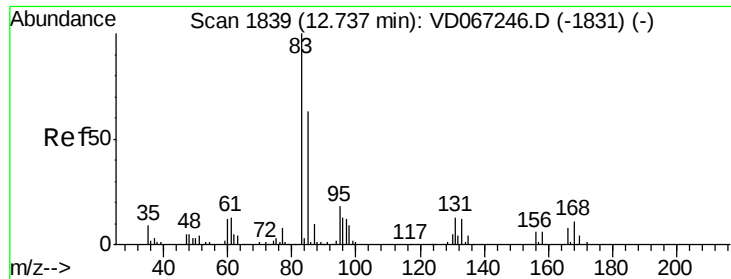
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 20.816 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

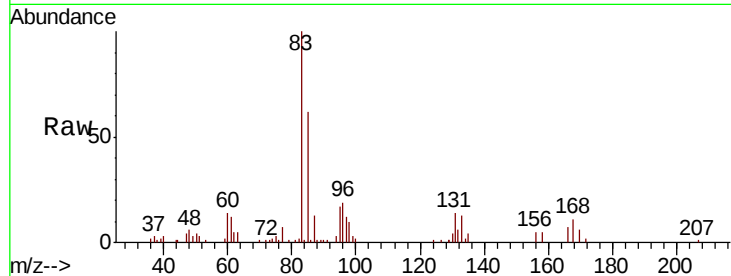
Tot Ion: 83 Resp: 48985

Ion Ratio Lower Upper

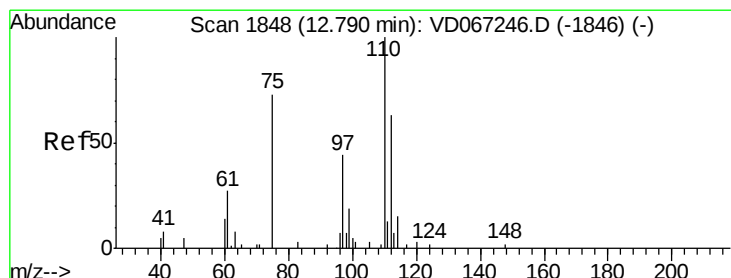
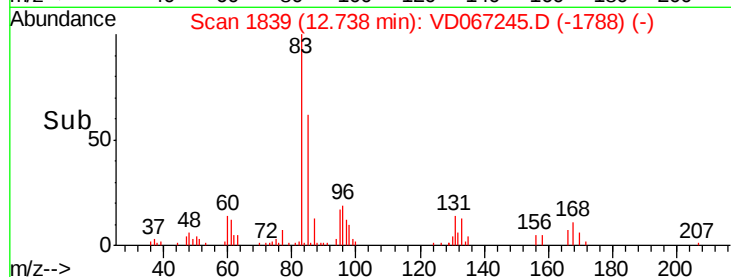
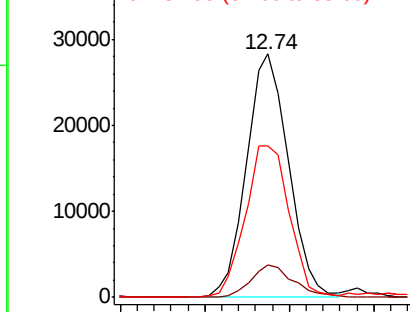
83 100

131 13.5 6.5 19.5

85 65.1 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: 40.295 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD067245.D

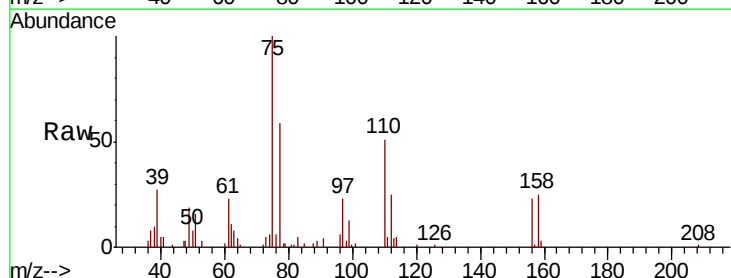
Acq: 13 Oct 2020 11:22

Tgt Ion: 75 Resp: 67585

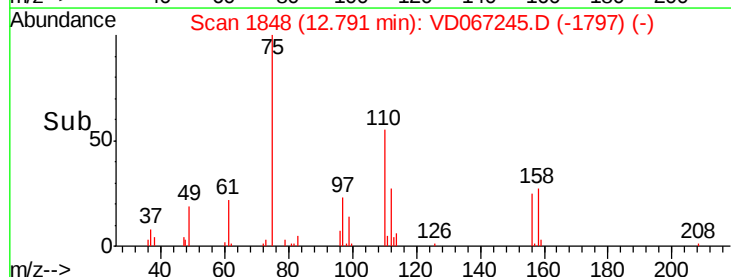
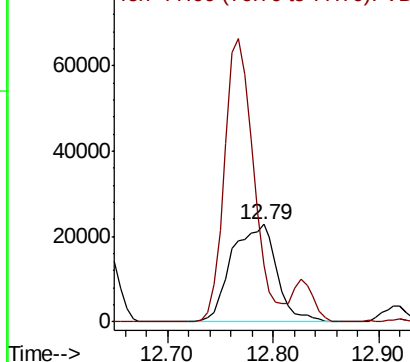
Ion Ratio Lower Upper

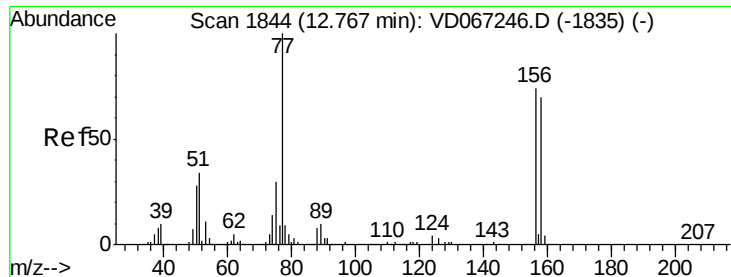
75 100

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: 20.863 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

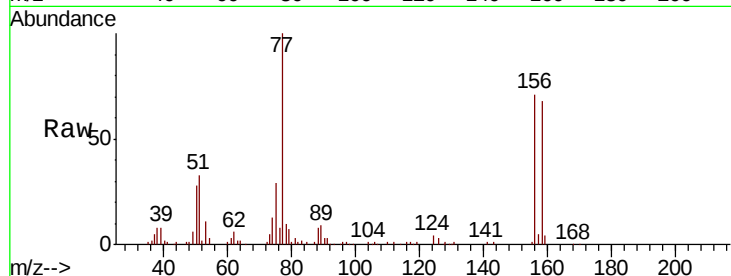
Tot Ion:156 Resp: 79884

Ion Ratio Lower Upper

156 100

77 160.8 78.0 233.8

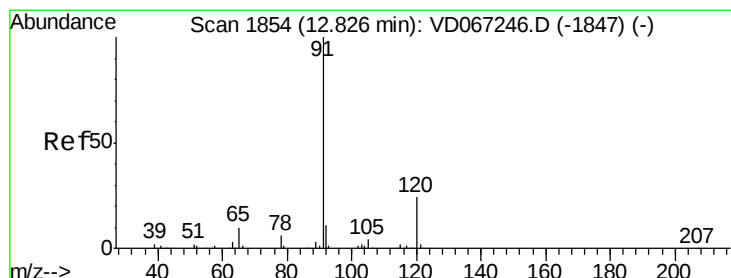
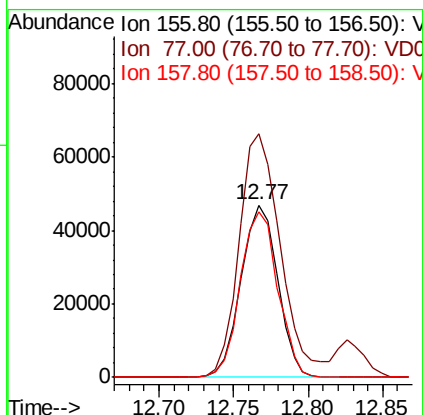
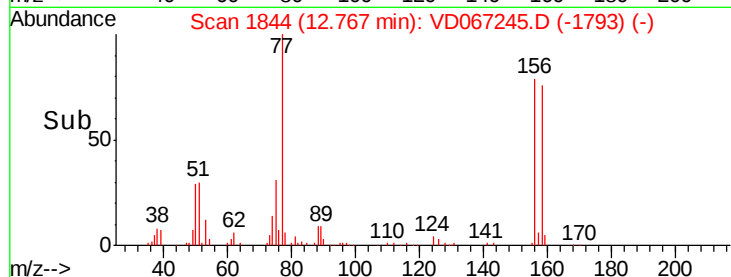
158 98.4 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.973 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067245.D

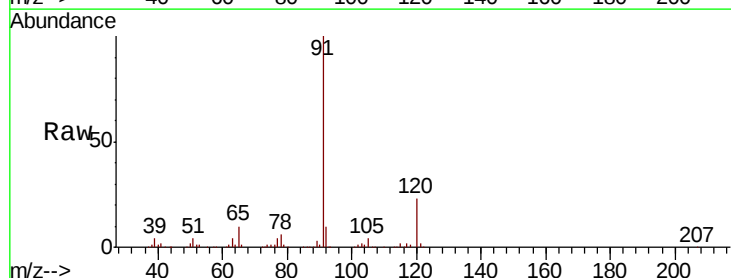
Acq: 13 Oct 2020 11:22

Tgt Ion: 91 Resp: 373207

Ion Ratio Lower Upper

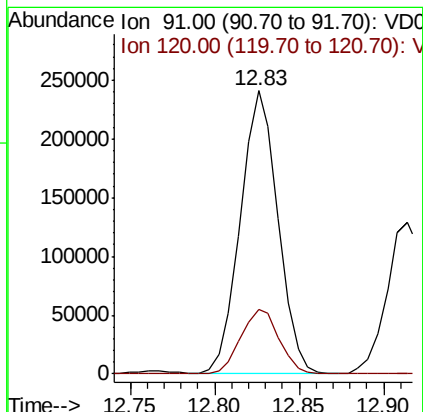
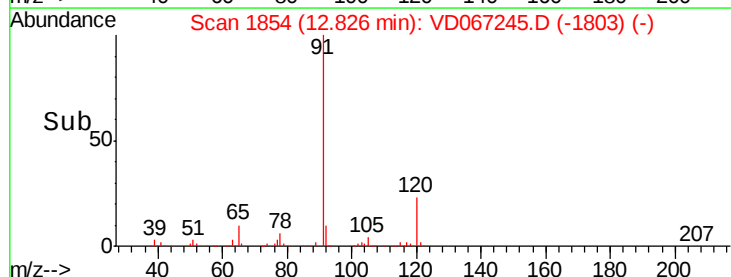
91 100

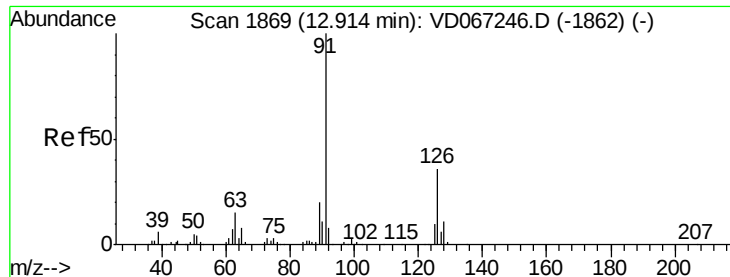
120 23.3 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

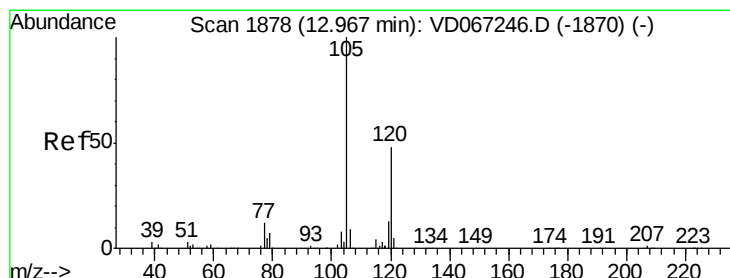
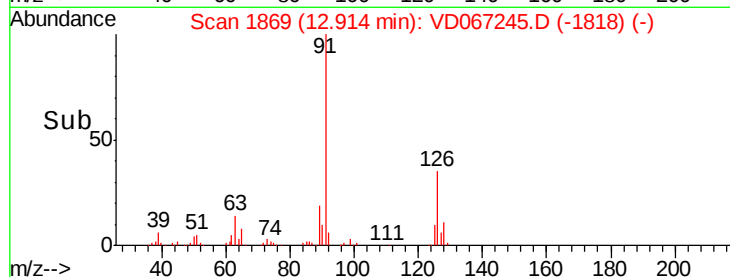
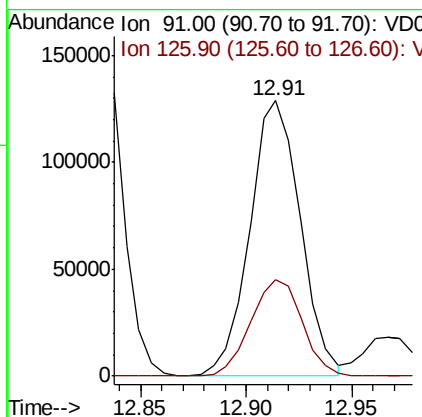
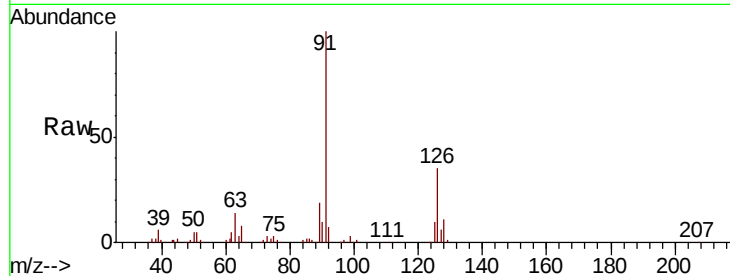




#79
 2-Chlorotoluene
 Concen: 20.735 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD067245.D
 Acq: 13 Oct 2020 11:22

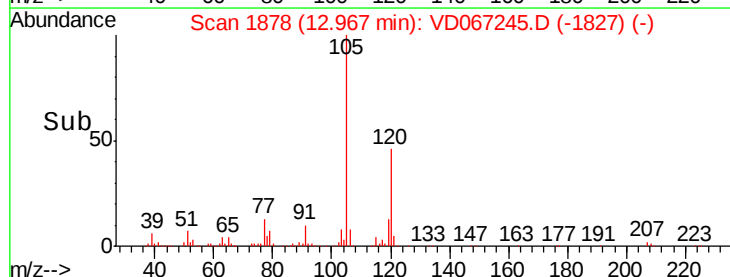
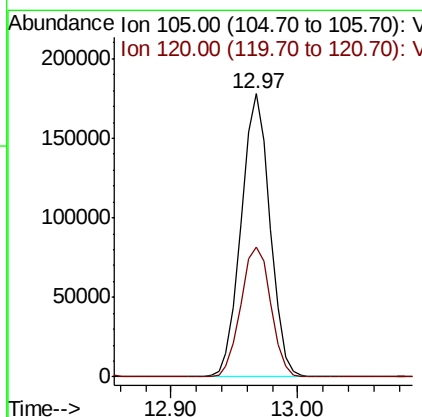
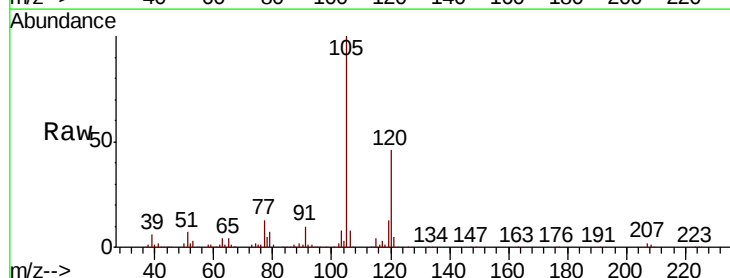
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

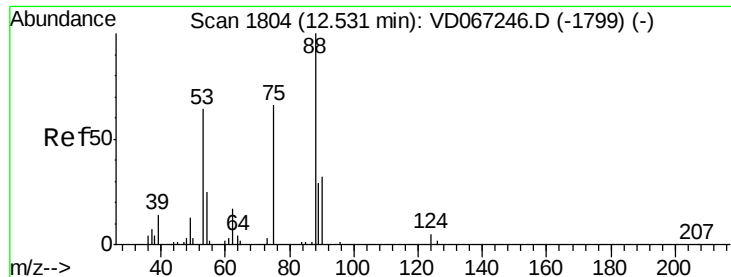
Tot Ion: 91 Resp: 213978
 Ion Ratio Lower Upper
 91 100
 126 36.1 17.6 52.8



#80
 1,3,5-Trimethylbenzene
 Concen: 21.052 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD067245.D
 Acq: 13 Oct 2020 11:22

Tgt Ion:105 Resp: 280966
 Ion Ratio Lower Upper
 105 100
 120 47.7 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.792 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

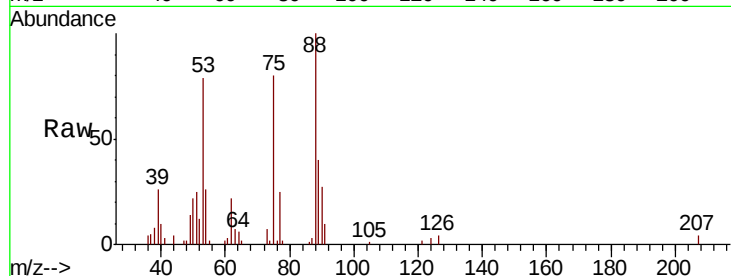
Tot Ion: 75 Resp: 15378

Ion Ratio Lower Upper

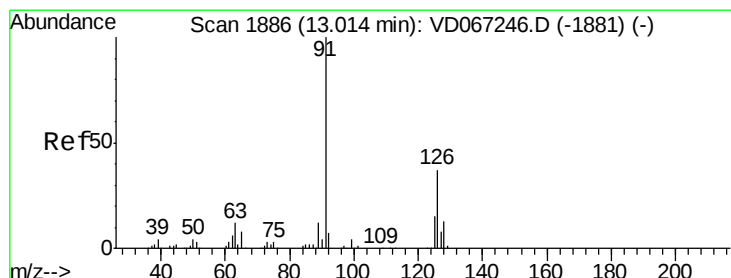
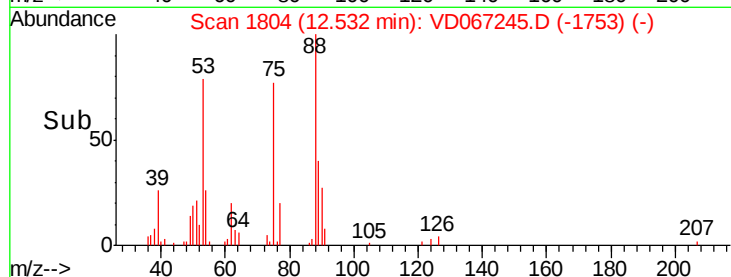
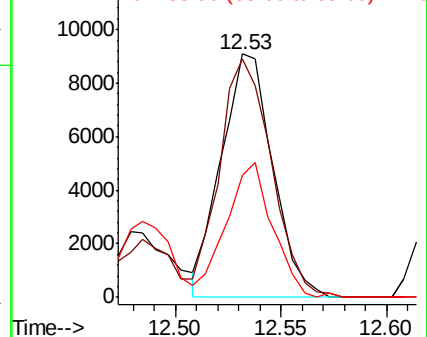
75 100

53 99.9 78.5 117.7

89 49.5 39.9 59.9



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 20.482 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD067245.D

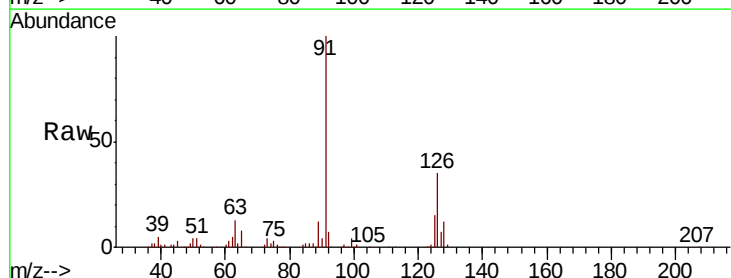
Acq: 13 Oct 2020 11:22

Tgt Ion: 91 Resp: 224333

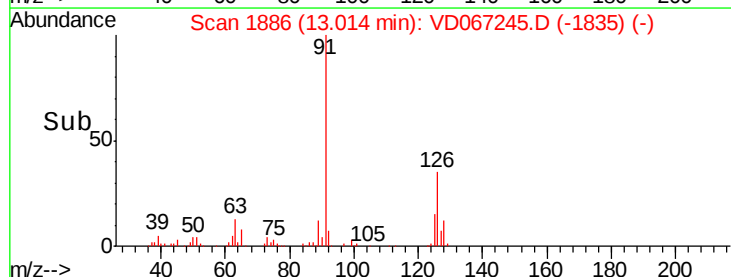
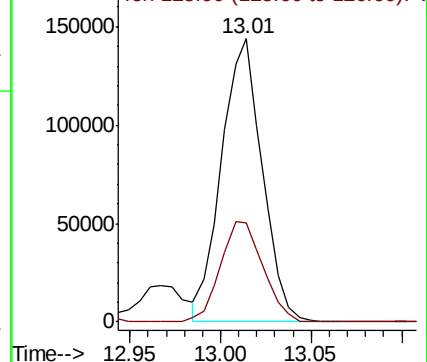
Ion Ratio Lower Upper

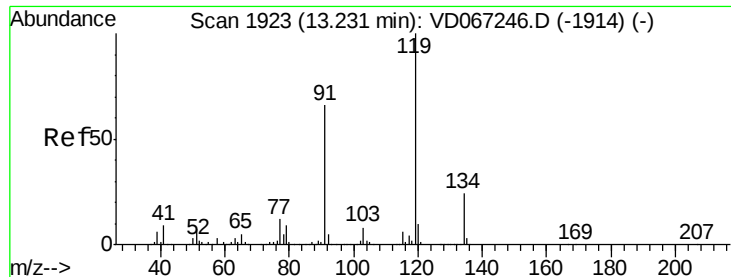
91 100

126 37.4 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V

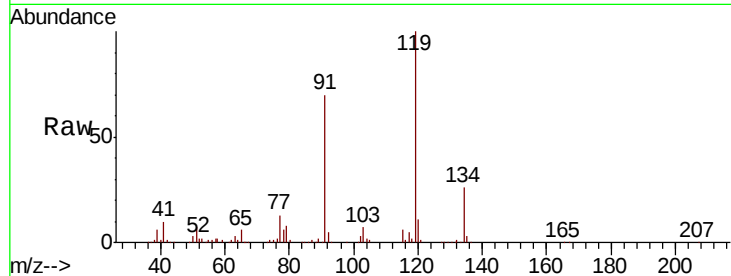




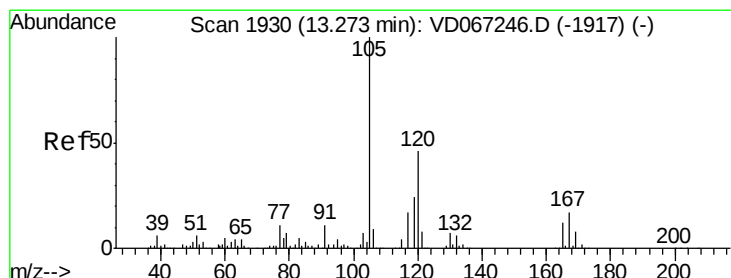
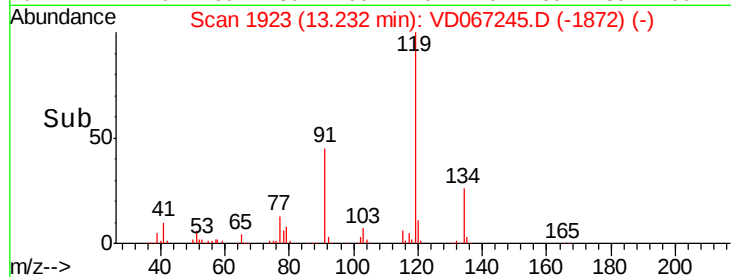
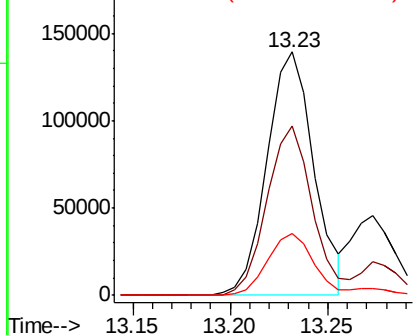
#83
tert-Butylbenzene
Concen: 20.593 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:119 Resp: 232168
Ion Ratio Lower Upper
119 100
91 68.0 33.1 99.2
134 25.0 13.3 39.9

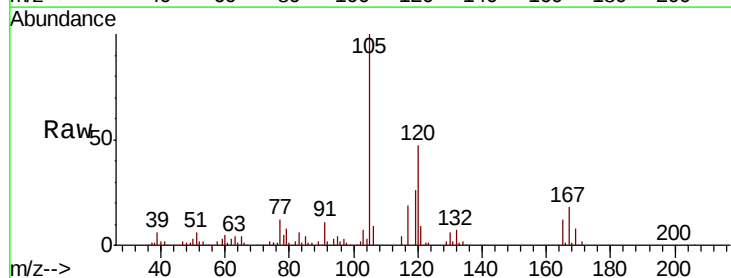


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

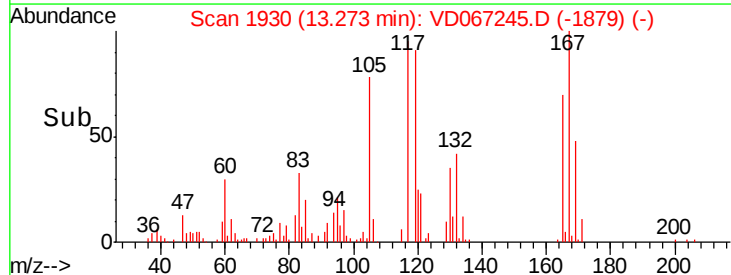
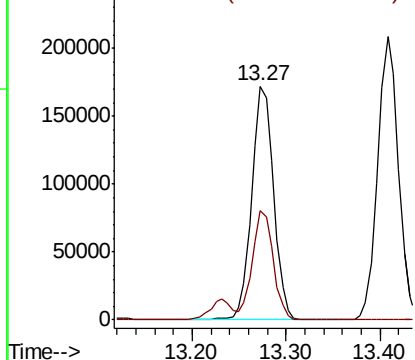


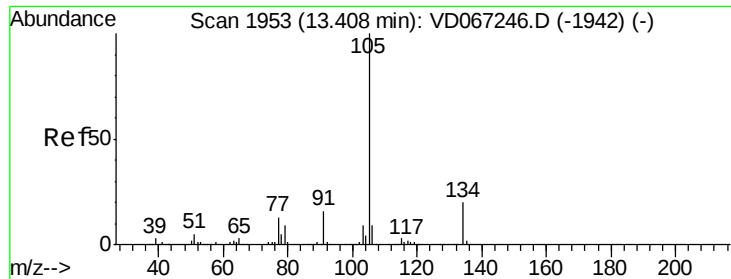
#84
1,2,4-Trimethylbenzene
Concen: 21.034 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Tgt Ion:105 Resp: 277466
Ion Ratio Lower Upper
105 100
120 44.5 22.4 67.3



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





#85

sec-Butylbenzene

Concen: 20.577 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

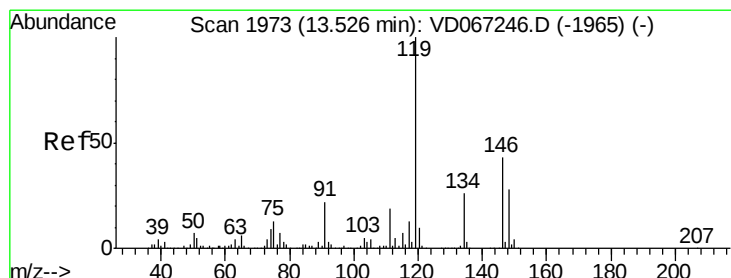
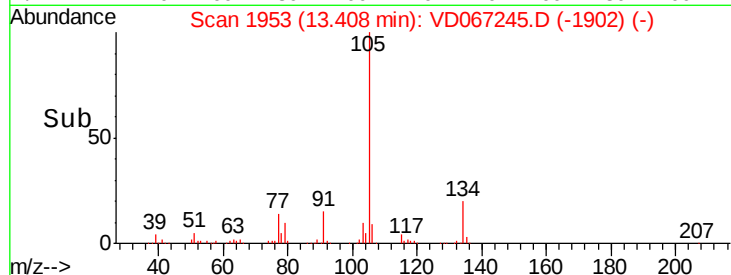
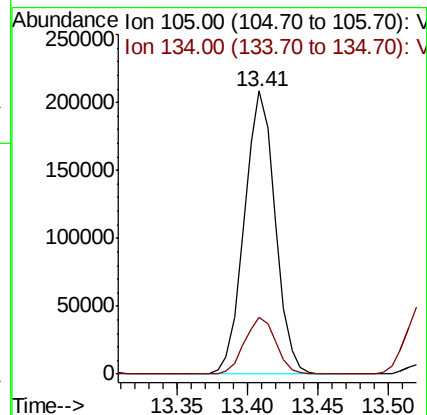
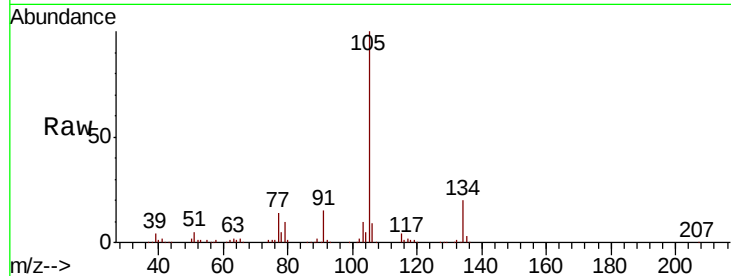
VSTDIC020

Tot Ion:105 Resp: 318324

Ion Ratio Lower Upper

105 100

134 20.5 10.5 31.5



#86

p-Isopropyltoluene

Concen: 21.185 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

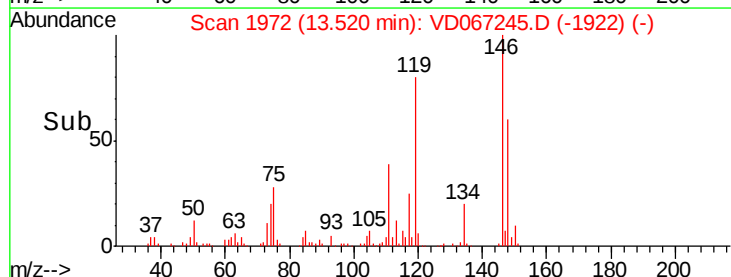
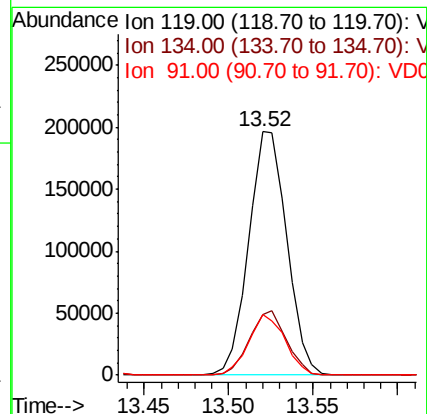
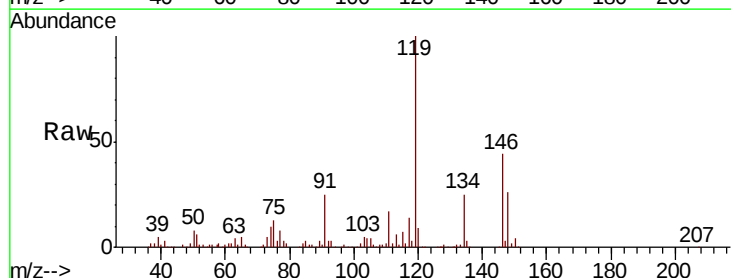
Tgt Ion:119 Resp: 309331

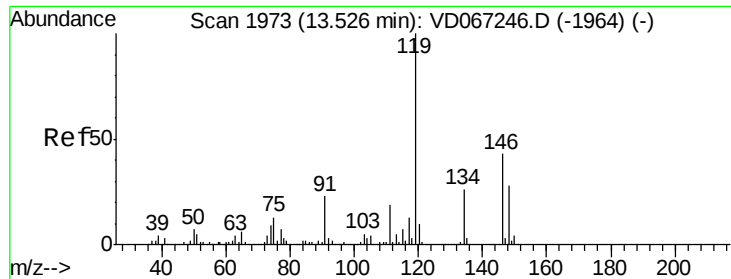
Ion Ratio Lower Upper

119 100

134 25.8 13.1 39.3

91 24.0 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 21.150 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

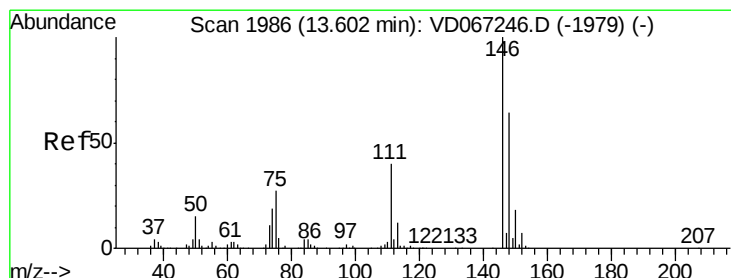
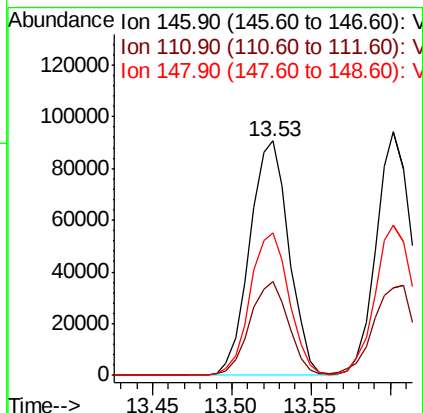
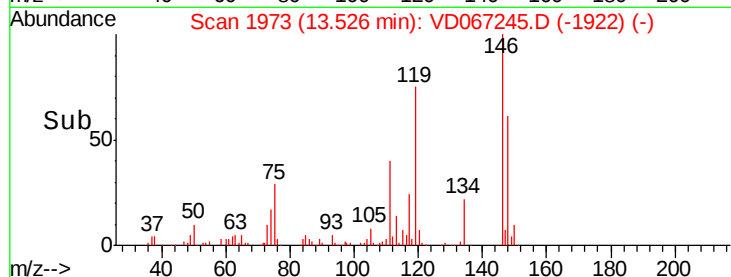
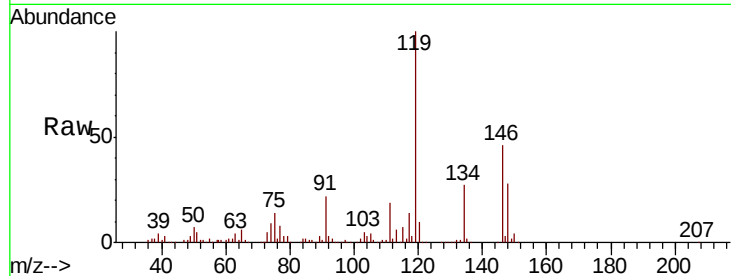
Tot Ion:146 Resp: 155877

Ion Ratio Lower Upper

146 100

111 39.5 21.1 63.3

148 60.4 31.9 95.9



#88

1,4-Dichlorobenzene

Concen: 20.363 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD067245.D

Acq: 13 Oct 2020 11:22

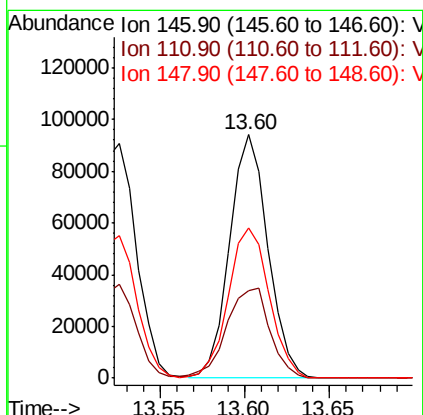
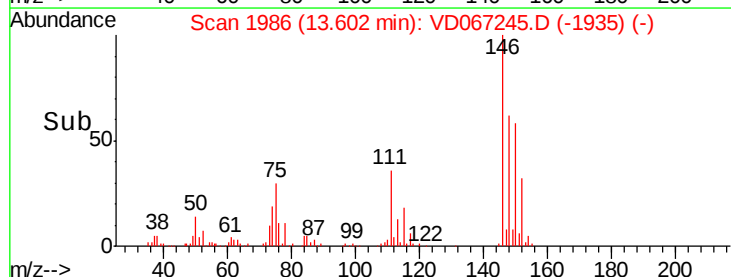
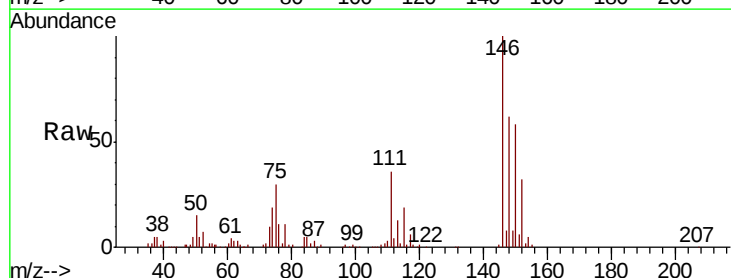
Tgt Ion:146 Resp: 148688

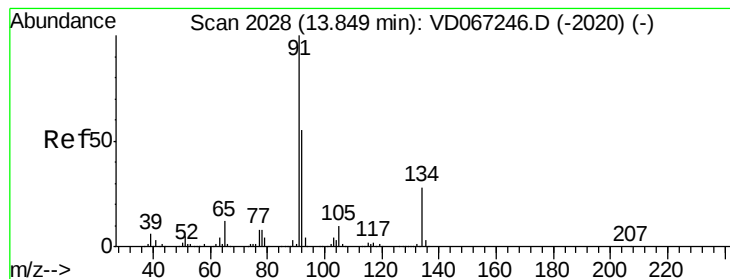
Ion Ratio Lower Upper

146 100

111 41.9 19.9 59.7

148 66.0 31.9 95.9

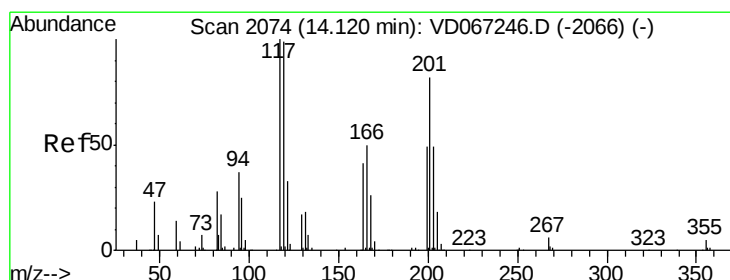
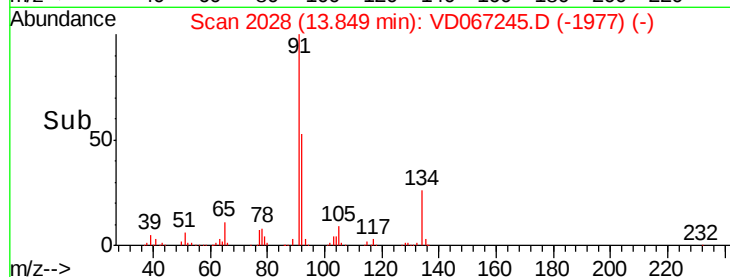
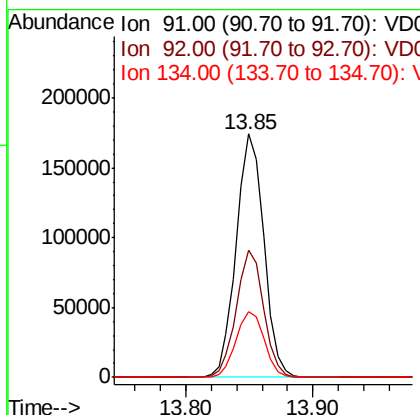
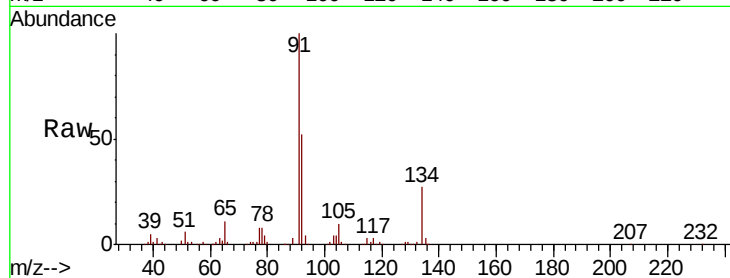




#89
n-Butylbenzene
Concen: 20.473 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

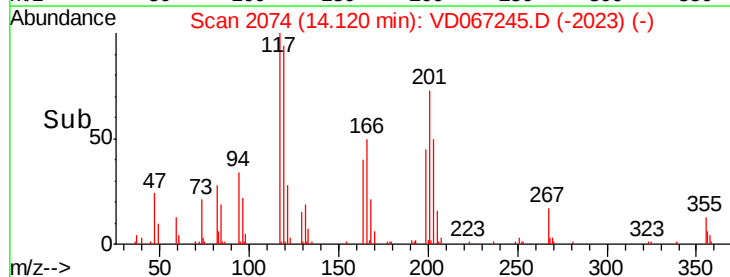
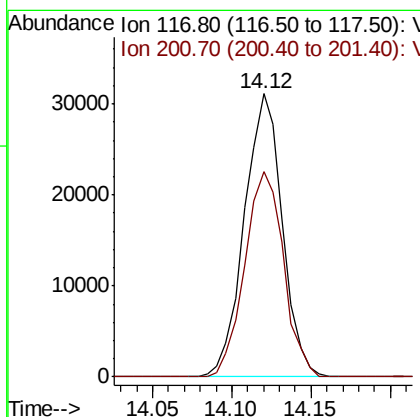
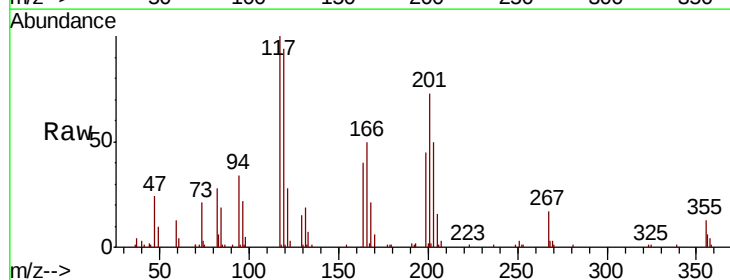
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

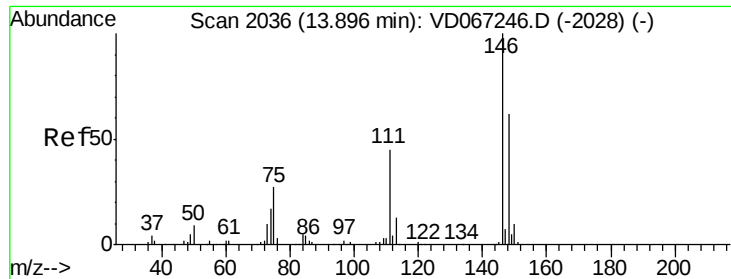
Tot Ion: 91 Resp: 262988
Ion Ratio Lower Upper
91 100
92 51.6 26.7 80.0
134 27.6 14.2 42.6



#90
Hexachloroethane
Concen: 20.277 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Tgt Ion: 117 Resp: 51665
Ion Ratio Lower Upper
117 100
201 74.3 40.8 122.2

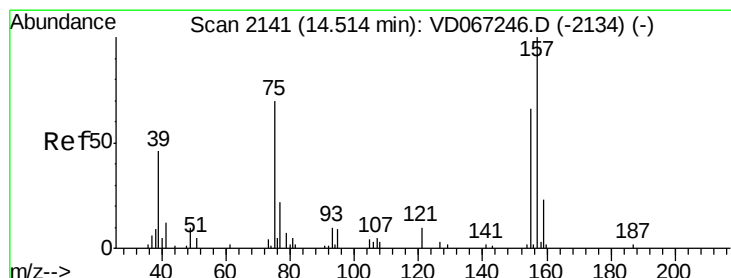
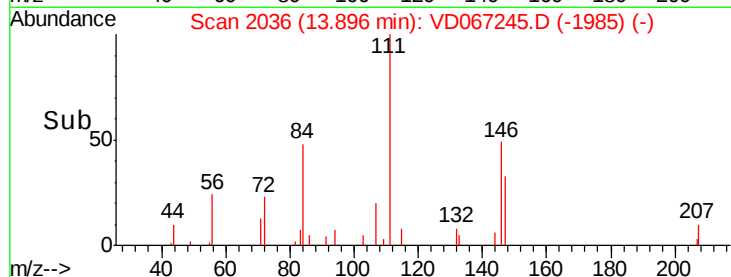
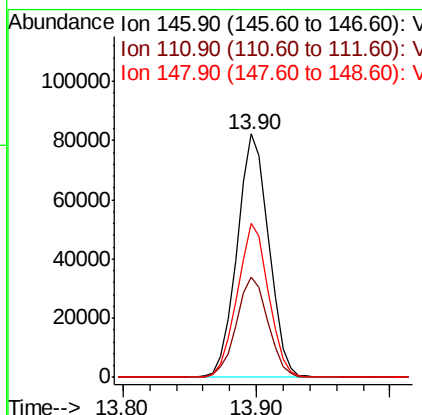
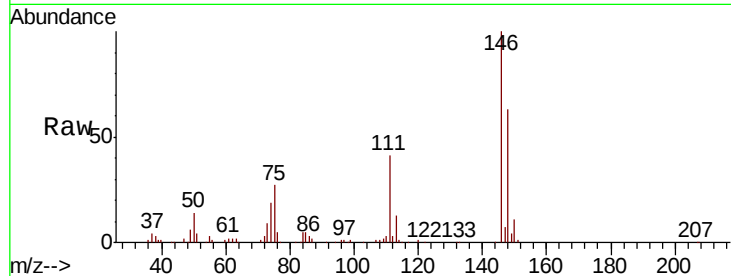




#91
 1,2-Dichlorobenzene
 Concen: 20.931 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067245.D
 Acq: 13 Oct 2020 11:22

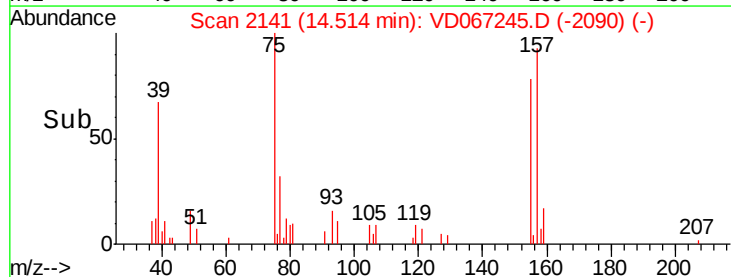
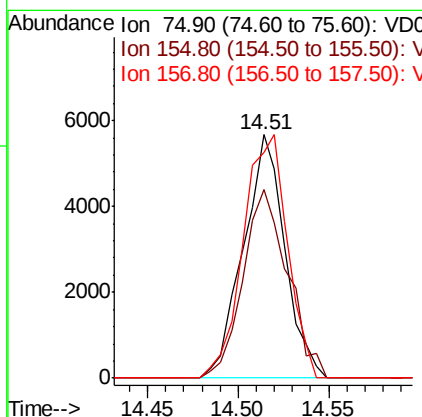
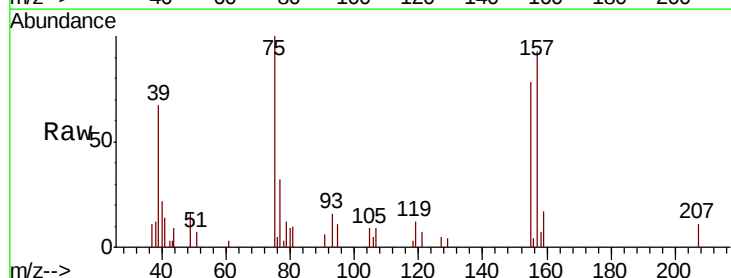
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

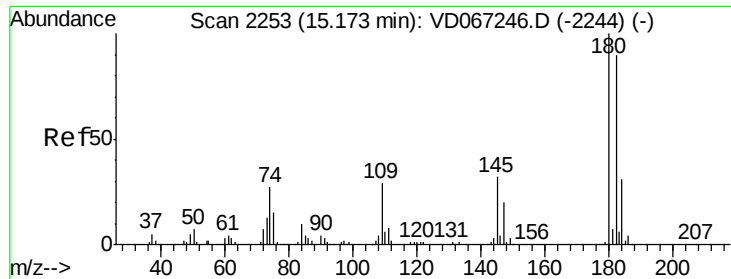
Tot Ion:146 Resp: 134761
 Ion Ratio Lower Upper
 146 100
 111 41.1 22.0 66.0
 148 62.4 32.5 97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.108 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067245.D
 Acq: 13 Oct 2020 11:22

Tgt Ion: 75 Resp: 9024
 Ion Ratio Lower Upper
 75 100
 155 83.4 44.8 134.4
 157 106.3 62.5 187.4

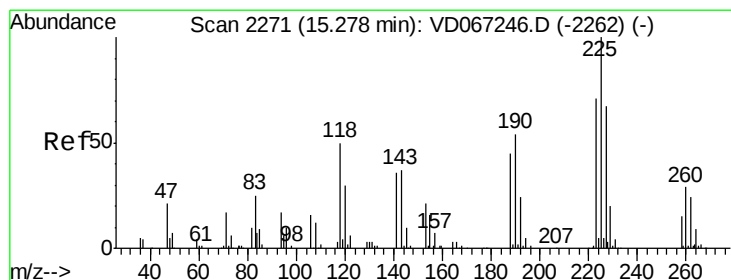
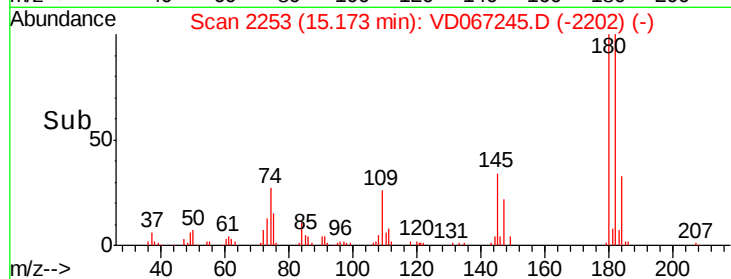
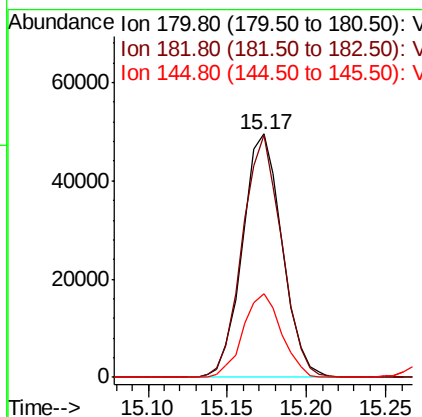
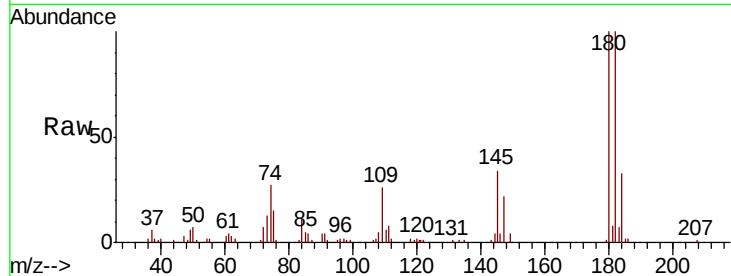




#93
 1,2,4-Trichlorobenzene
 Concen: 19.862 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067245.D
 Acq: 13 Oct 2020 11:22

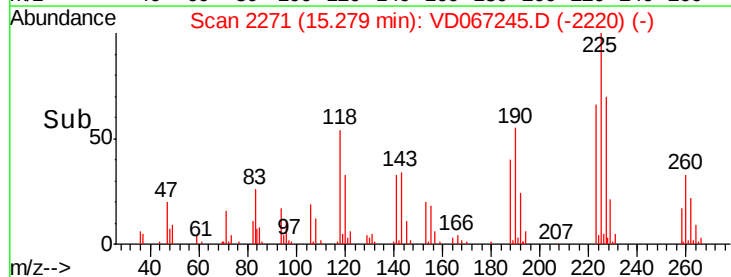
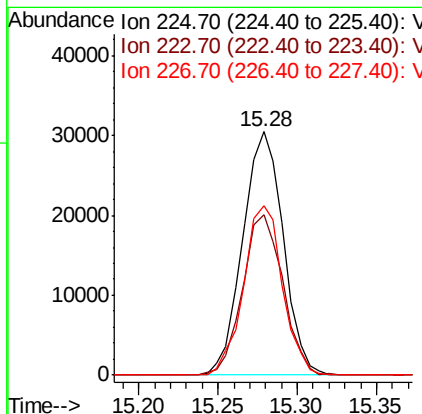
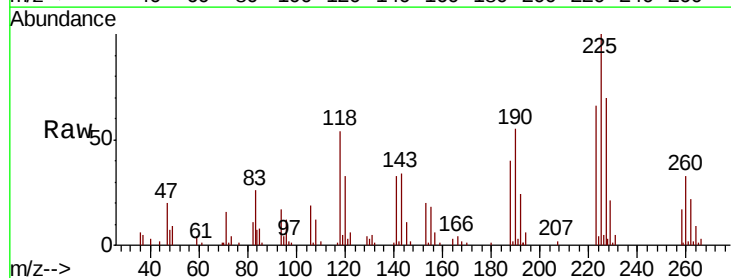
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

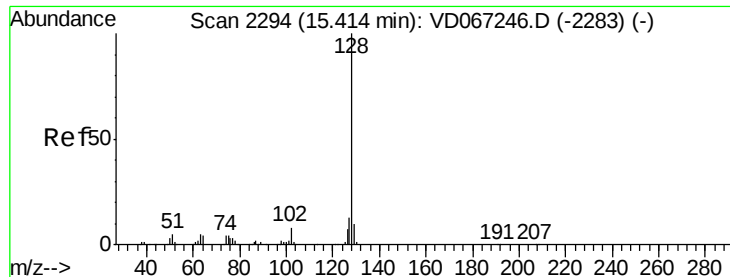
Tot Ion	Ratio	Lower	Upper
180	100		
182	98.5	48.1	144.4
145	33.4	16.3	48.9



#94
 Hexachlorobutadiene
 Concen: 20.044 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD067245.D
 Acq: 13 Oct 2020 11:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.9	31.9	95.7
227	66.7	31.2	93.6

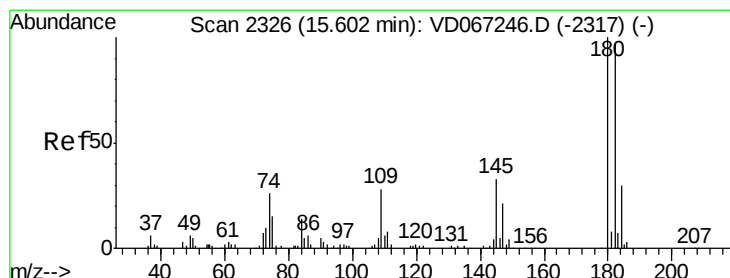
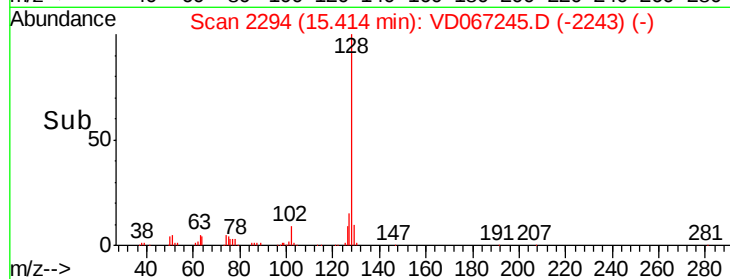
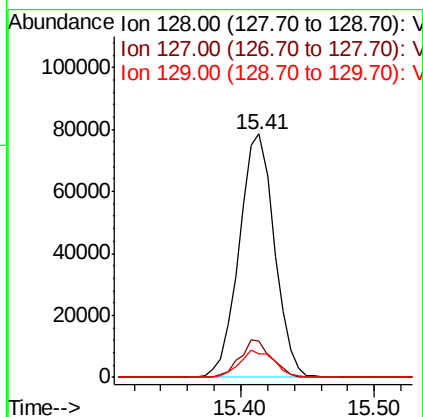
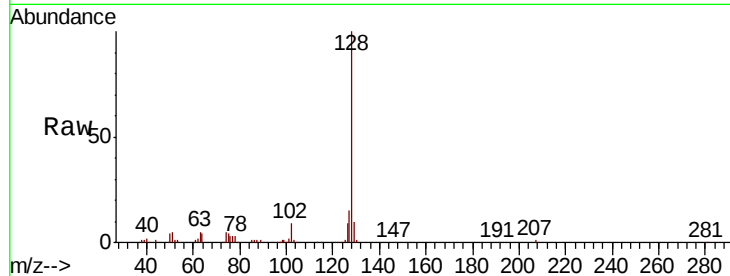




#95
Naphthalene
Concen: 20.108 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:128 Resp: 143313
Ion Ratio Lower Upper
128 100
127 13.8 10.4 15.6
129 11.1 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 20.795 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.01 min
Lab File: VD067245.D
Acq: 13 Oct 2020 11:22

Tgt Ion:180 Resp: 77984
Ion Ratio Lower Upper
180 100
182 94.6 48.1 144.3
145 34.1 17.3 51.9

