

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102720\
 Data File : VD067405.D
 Acq On : 27 Oct 2020 12:17
 Operator : VA/SY
 Sample : VD1027SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1027SBS01

Quant Time: Oct 28 00:43:54 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	302199	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	446531	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	417238	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	216662	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	145533	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	
35) Dibromofluoromethane	7.91	113	153875	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	
50) Toluene-d8	10.34	98	551751	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
62) 4-Bromofluorobenzene	12.64	95	192541	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	52816	19.068	ug/l	100
3) Chloromethane	2.21	50	35104	18.457	ug/l	98
4) Vinyl Chloride	2.35	62	40439	19.379	ug/l	96
5) Bromomethane	2.76	94	30943	19.894	ug/l	97
6) Chloroethane	2.92	64	25093	19.308	ug/l	96
7) Trichlorofluoromethane	3.27	101	113230	21.548	ug/l	94
8) Diethyl Ether	3.70	74	24719	20.558	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	60170	21.553	ug/l	99
10) Methyl Iodide	4.30	142	50552	19.629	ug/l	98
11) Tert butyl alcohol	5.23	59	18488	87.886	ug/l	100
12) 1,1-Dichloroethene	4.06	96	51056	20.471	ug/l	87
13) Acrolein	3.92	56	7599	60.021	ug/l	88
14) Allyl chloride	4.71	41	57115	19.997	ug/l	99
15) Acrylonitrile	5.42	53	42044	104.793	ug/l	99
16) Acetone	4.16	43	41885	98.782	ug/l	100
17) Carbon Disulfide	4.40	76	138503	19.480	ug/l	99
18) Methyl Acetate	4.72	43	18493	19.122	ug/l #	75
19) Methyl tert-butyl Ether	5.47	73	96096	19.377	ug/l	98
20) Methylene Chloride	4.96	84	64049	20.976	ug/l	97
21) trans-1,2-Dichloroethene	5.46	96	60107	20.942	ug/l	95
22) Diisopropyl ether	6.37	45	112276	21.519	ug/l	95
23) Vinyl Acetate	6.31	43	297378	100.181	ug/l	99
24) 1,1-Dichloroethane	6.27	63	94620	21.185	ug/l	94
25) 2-Butanone	7.21	43	48487	100.318	ug/l	95
26) 2,2-Dichloropropane	7.21	77	100087	21.741	ug/l	100
27) cis-1,2-Dichloroethene	7.22	96	65022	20.671	ug/l	95
28) Bromochloromethane	7.54	49	30223	19.839	ug/l	98
29) Tetrahydrofuran	7.57	42	27608	102.756	ug/l	97
30) Chloroform	7.71	83	117744	22.068	ug/l	91
31) Cyclohexane	7.98	56	71197	20.417	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	115695	22.100	ug/l	98
36) 1,1-Dichloropropene	8.11	75	82216	21.724	ug/l	99
37) Ethyl Acetate	7.30	43	22259	19.990	ug/l	96
38) Carbon Tetrachloride	8.10	117	109016	22.537	ug/l	93

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 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
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Quant Time: Oct 28 00:43:54 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)
39) Methylcyclohexane	9.36	83	81291	20.546	ug/l	97
40) Benzene	8.36	78	226853	21.849	ug/l	97
41) Methacrylonitrile	7.52	41	10666	17.726	ug/l #	70
42) 1,2-Dichloroethane	8.43	62	71413	21.978	ug/l	100
43) Isopropyl Acetate	8.46	43	45066	20.397	ug/l	99
44) Trichloroethene	9.11	130	74193	22.318	ug/l	85
45) 1,2-Dichloropropane	9.40	63	51529	21.414	ug/l	89
46) Dibromomethane	9.48	93	31981	21.331	ug/l	98
47) Bromodichloromethane	9.67	83	87982	21.904	ug/l	97
48) Methyl methacrylate	9.46	41	21824	20.325	ug/l	97
49) 1,4-Dioxane	9.47	88	6672	442.948	ug/l #	89
51) 4-Methyl-2-Pentanone	10.23	43	113406	102.907	ug/l	97
52) Toluene	10.41	92	156326	22.106	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	73799	20.915	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	87826	21.268	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	45419	22.216	ug/l	93
56) Ethyl methacrylate	10.67	69	44527	21.001	ug/l	99
57) 1,3-Dichloropropane	10.95	76	68913	21.181	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	111368	102.388	ug/l	100
59) 2-Hexanone	10.99	43	76609	101.732	ug/l	100
60) Dibromochloromethane	11.14	129	65703	22.037	ug/l	97
61) 1,2-Dibromoethane	11.25	107	43681	21.672	ug/l	97
64) Tetrachloroethene	10.88	164	64889	21.465	ug/l	93
65) Chlorobenzene	11.67	112	174078	21.757	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	73066	22.977	ug/l	97
67) Ethyl Benzene	11.75	91	295962	21.579	ug/l	97
68) m/p-Xylenes	11.86	106	241467	45.719	ug/l	95
69) o-Xylene	12.18	106	107385	21.957	ug/l	94
70) Styrene	12.20	104	187808	22.307	ug/l	100
71) Bromoform	12.37	173	37860	22.162	ug/l #	100
73) Isopropylbenzene	12.48	105	302179	21.975	ug/l	99
74) N-amyl acetate	12.29	43	42851	20.633	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.74	83	43026	20.421	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	59606	39.693	ug/l #	100
77) Bromobenzene	12.77	156	74486	21.727	ug/l	99
78) n-propylbenzene	12.83	91	346167	21.728	ug/l	100
79) 2-Chlorotoluene	12.91	91	198301	21.463	ug/l	96
80) 1,3,5-Trimethylbenzene	12.96	105	263449	22.047	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	13596	20.532	ug/l	97
82) 4-Chlorotoluene	13.01	91	214601	21.884	ug/l	99
83) tert-Butylbenzene	13.23	119	226673	22.457	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	262898	22.260	ug/l	99
85) sec-Butylbenzene	13.41	105	298866	21.578	ug/l	98
86) p-Isopropyltoluene	13.52	119	285312	21.825	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	146629	22.221	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	144044	22.033	ug/l	100
89) n-Butylbenzene	13.85	91	249184	21.667	ug/l	99
90) Hexachloroethane	14.12	117	49223	21.577	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	121472	21.073	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7687	20.083	ug/l	94

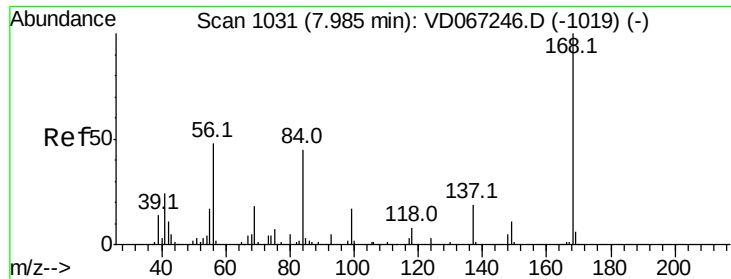
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102720\
Data File : VD067405.D
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Operator : VA/SY
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Quant Time: Oct 28 00:43:54 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
Quant Title : 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)
93) 1,2,4-Trichlorobenzene	15.17	180	80512	20.716	ug/l	99
94) Hexachlorobutadiene	15.27	225	53843	22.309	ug/l	98
95) Naphthalene	15.41	128	126319	19.796	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	72268	21.524	ug/l	96

(#) = 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: VD067405.D

Acq: 27 Oct 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

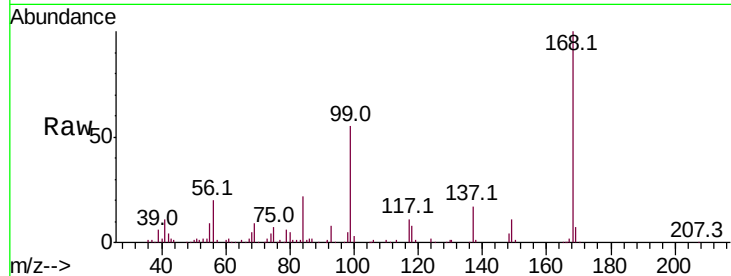
VD1027SBS01

Tot Ion:168 Resp: 302199

Ion Ratio Lower Upper

168 100

99 54.9 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

150000

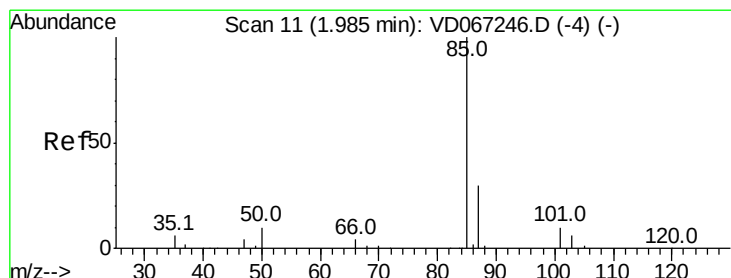
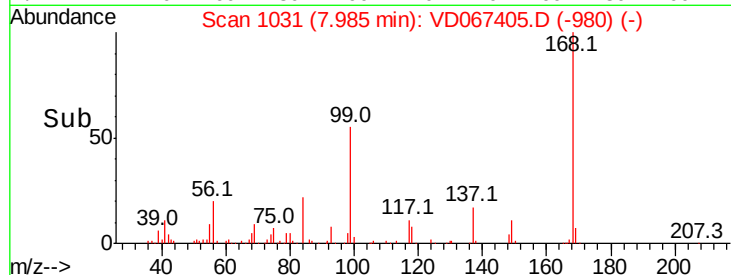
100000

50000

0

7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 19.068 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067405.D

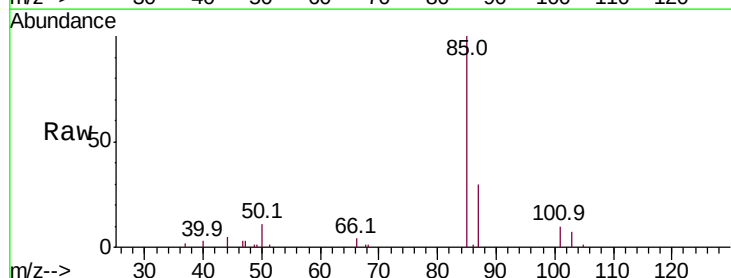
Acq: 27 Oct 2020 12:17

Tgt Ion: 85 Resp: 52816

Ion Ratio Lower Upper

85 100

87 30.2 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

40000

30000

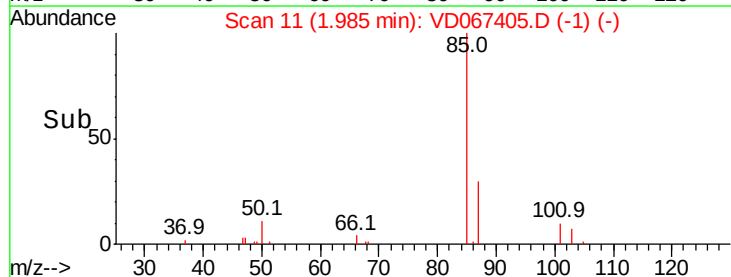
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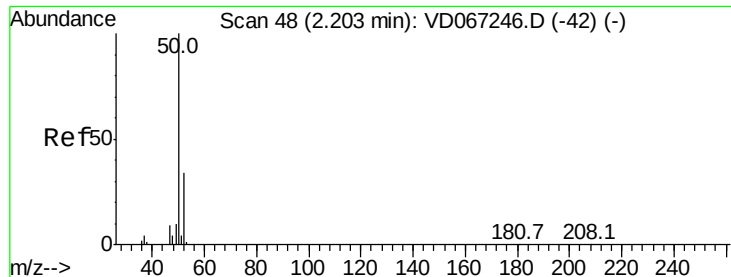
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 18.457 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

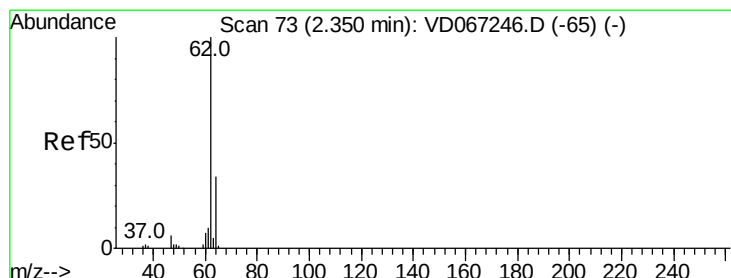
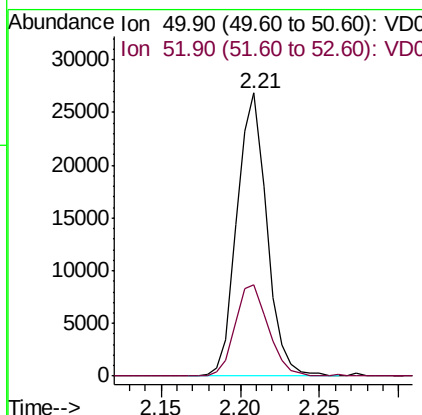
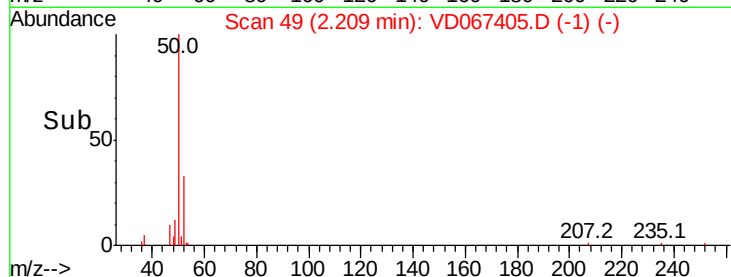
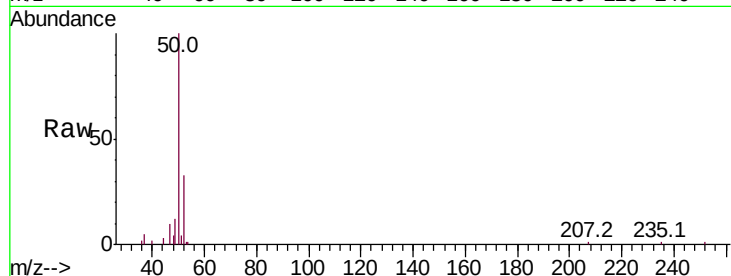
VD1027SBS01

Tot Ion: 50 Resp: 35104

Ion Ratio Lower Upper

50 100

52 32.5 27.1 40.7



#4

Vinyl Chloride

Concen: 19.379 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067405.D

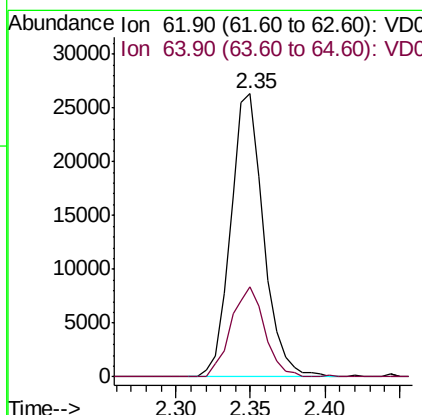
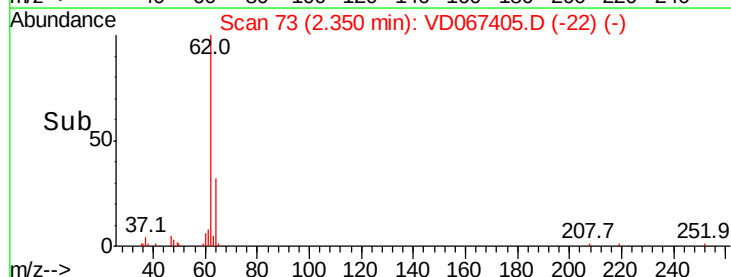
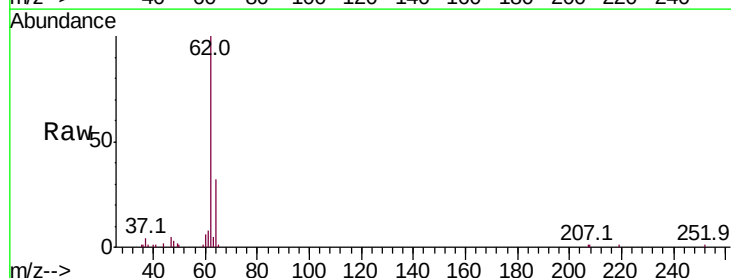
Acq: 27 Oct 2020 12:17

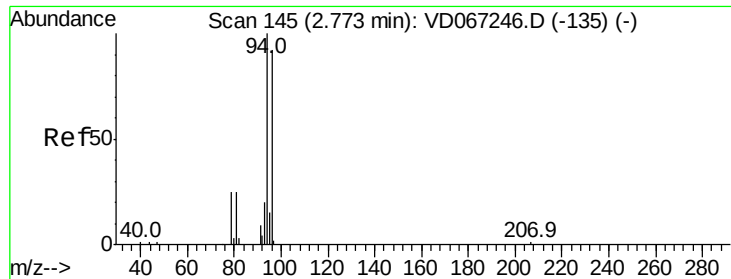
Tgt Ion: 62 Resp: 40439

Ion Ratio Lower Upper

62 100

64 31.9 27.4 41.0





#5

Bromomethane

Concen: 19.894 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

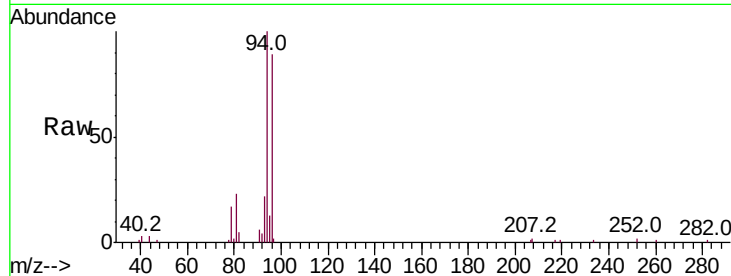
VD1027SBS01

Tot Ion: 94 Resp: 30943

Ion Ratio Lower Upper

94 100

96 89.4 73.8 110.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

15000

10000

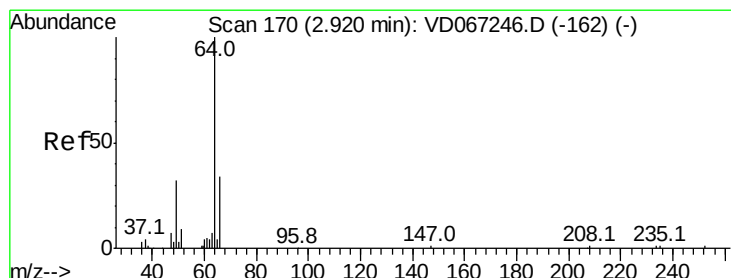
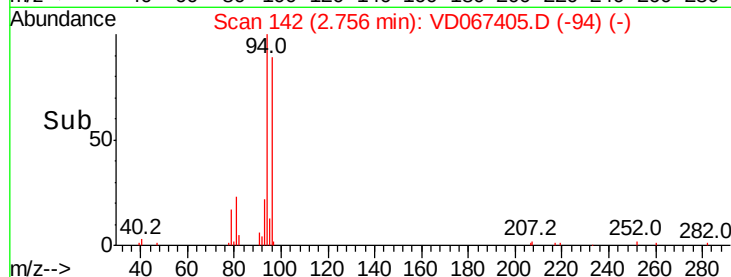
5000

0

2.76

2.65 2.70 2.75 2.80 2.85

Time-->



#6

Chloroethane

Concen: 19.308 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067405.D

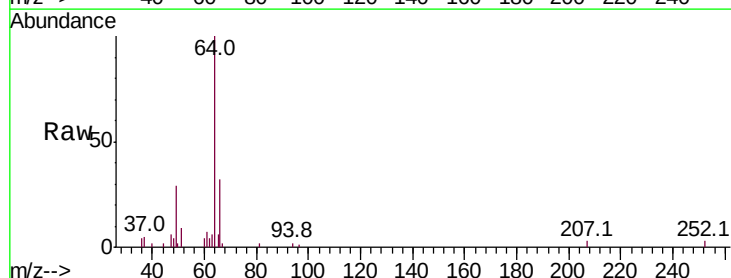
Acq: 27 Oct 2020 12:17

Tgt Ion: 64 Resp: 25093

Ion Ratio Lower Upper

64 100

66 31.6 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

10000

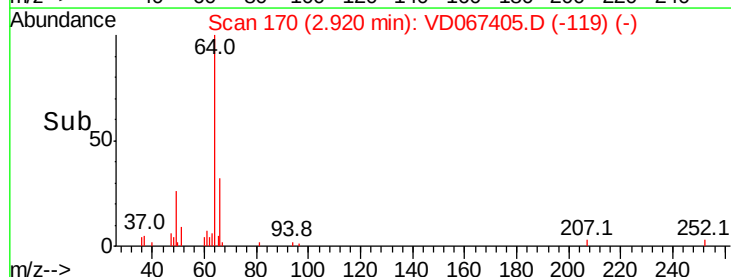
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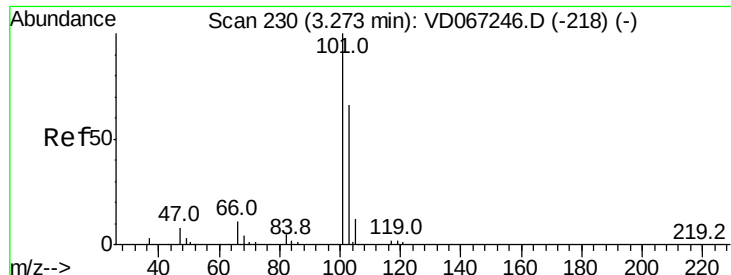
0

2.92

2.85 2.90 2.95 3.00

Time-->



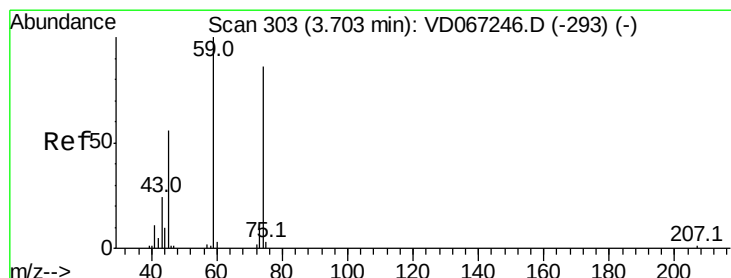
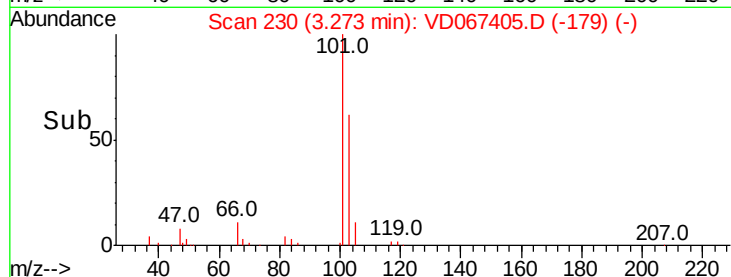
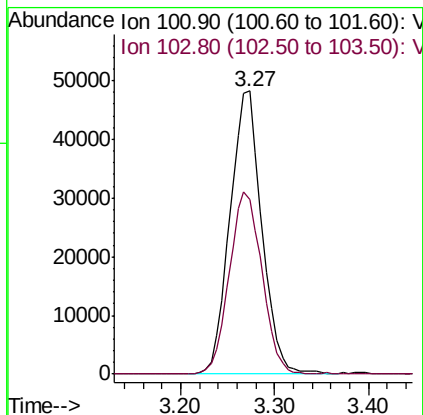
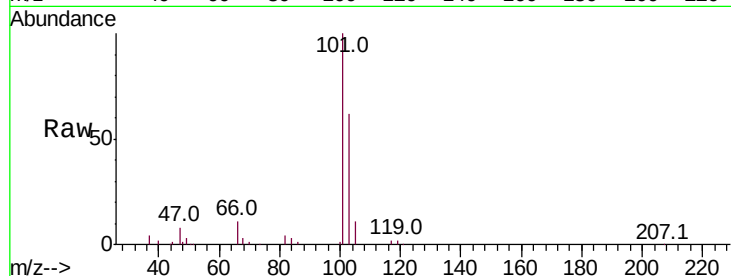


#7

Trichlorofluoromethane
 Concen: 21.548 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD067405.D
 Acq: 27 Oct 2020 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1027SBS01

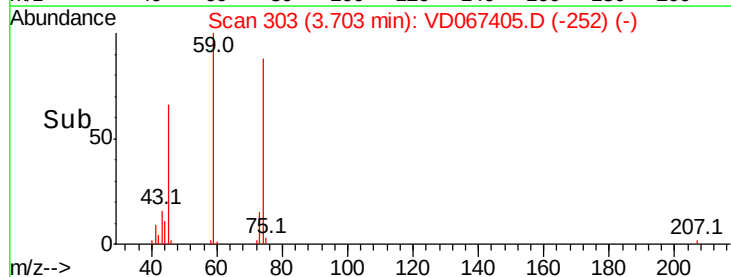
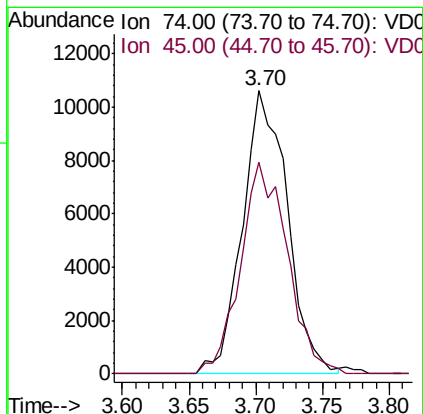
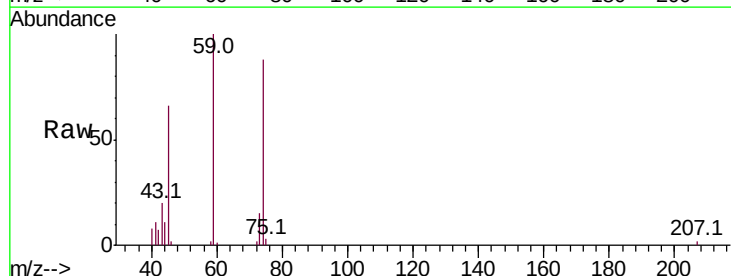
Tot Ion:101 Resp: 113230
 Ion Ratio Lower Upper
 101 100
 103 61.6 53.1 79.7

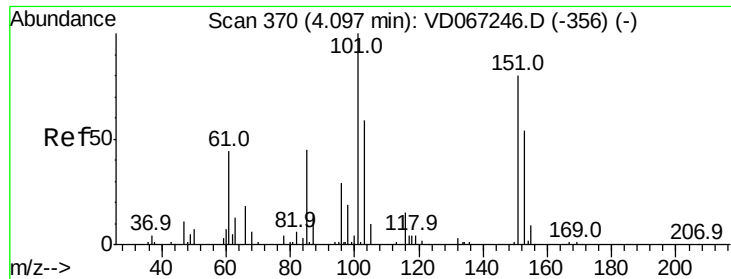


#8

Diethyl Ether
 Concen: 20.558 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. 0.00 min
 Lab File: VD067405.D
 Acq: 27 Oct 2020 12:17

Tgt Ion: 74 Resp: 24719
 Ion Ratio Lower Upper
 74 100
 45 78.2 37.0 111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.553 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1027SBS01

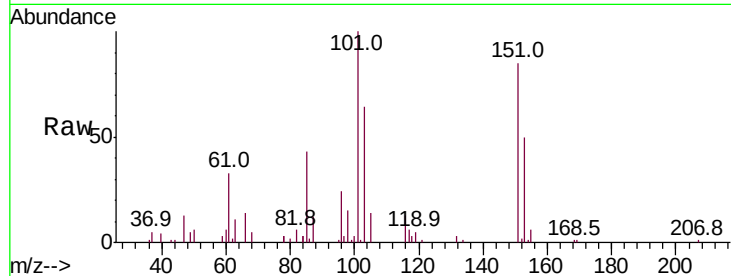
Tot Ion:101 Resp: 60170

Ion Ratio Lower Upper

101 100

85 43.1 34.2 51.4

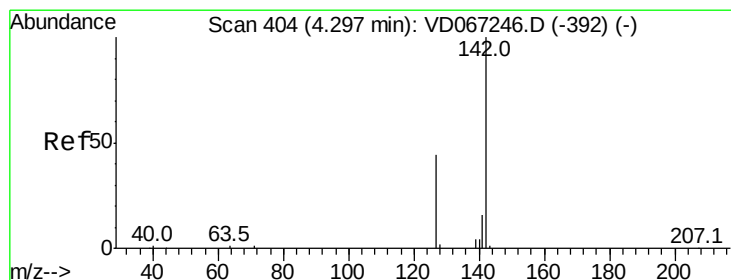
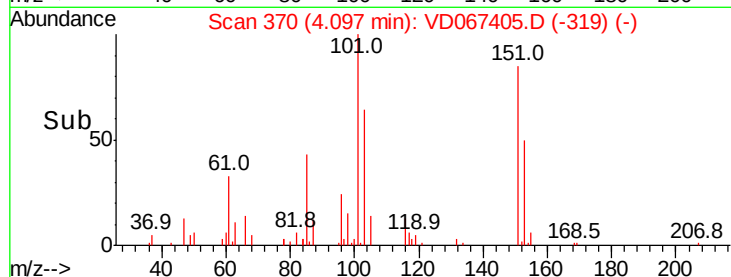
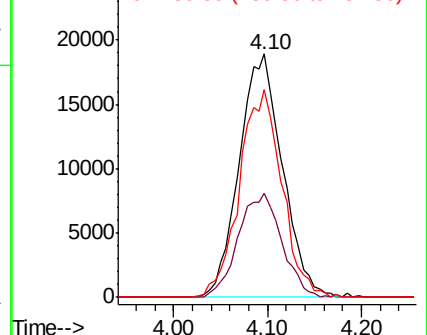
151 83.8 66.3 99.5



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: 19.629 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

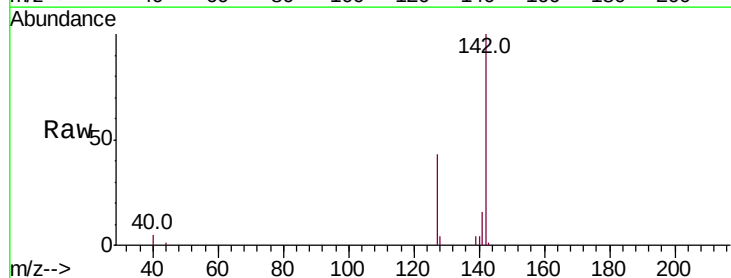
Tgt Ion:142 Resp: 50552

Ion Ratio Lower Upper

142 100

127 46.6 38.4 57.6

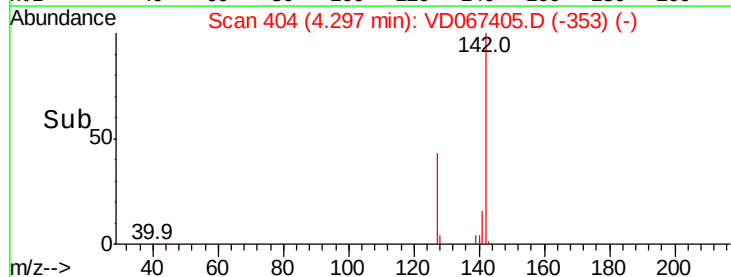
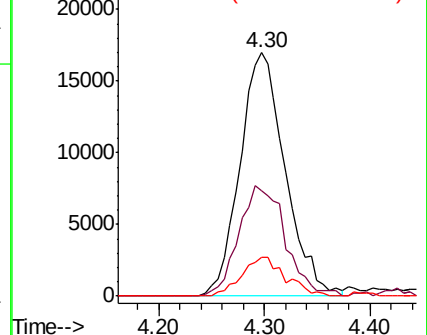
141 15.2 11.6 17.4

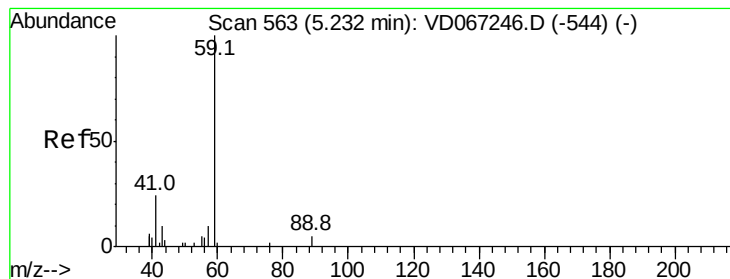


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 87.886 ug/l

RT: 5.23 min Scan# 562

Delta R.T. -0.00 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

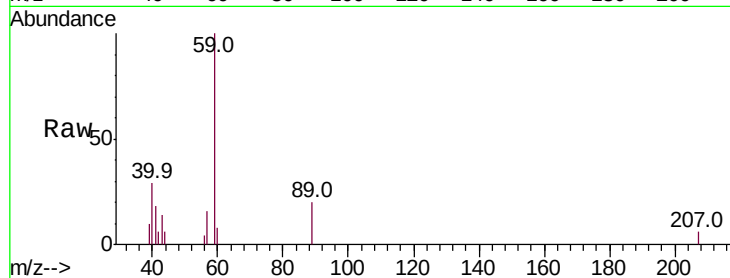
VD1027SBS01

Tot Ion: 59 Resp: 18488

Ion Ratio Lower Upper

59 100

57 6.3 5.1 7.7



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.23

4000

3000

2000

1000

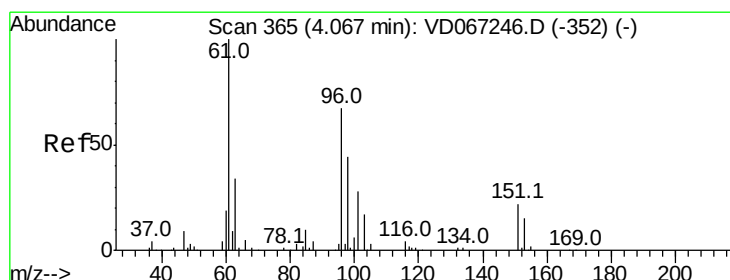
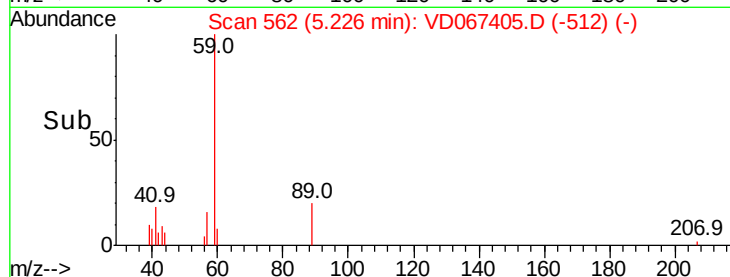
0

Time-->

5.10

5.20

5.30



#12

1,1-Dichloroethene

Concen: 20.471 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.01 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

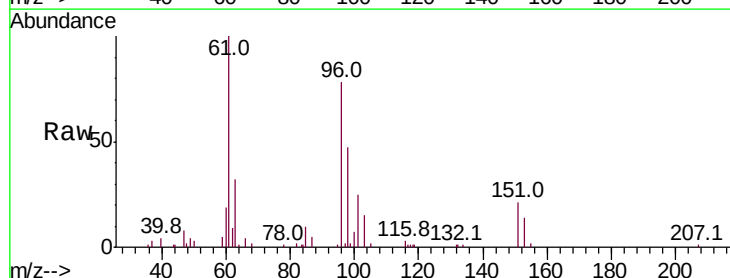
Tgt Ion: 96 Resp: 51056

Ion Ratio Lower Upper

96 100

61 128.4 118.6 177.8

98 60.1 51.8 77.6



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

30000

20000

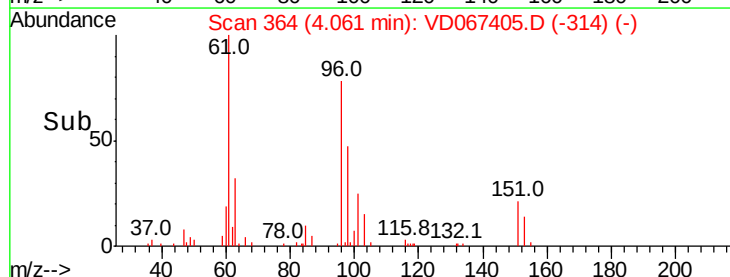
10000

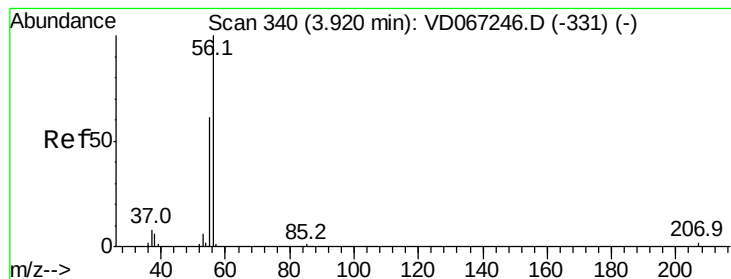
0

Time-->

4.00

4.10





#13

Acrolein

Concen: 60.021 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

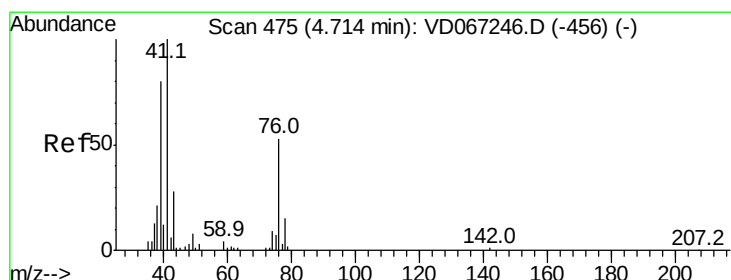
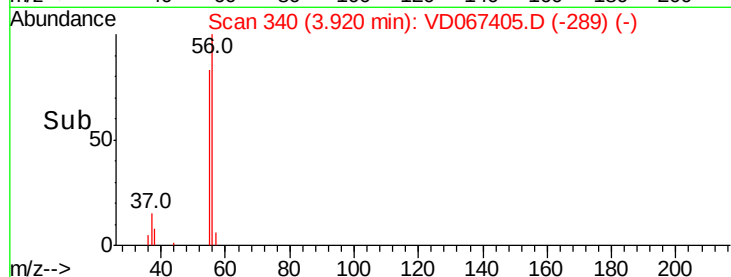
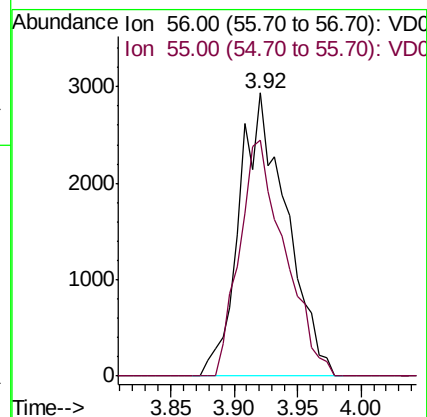
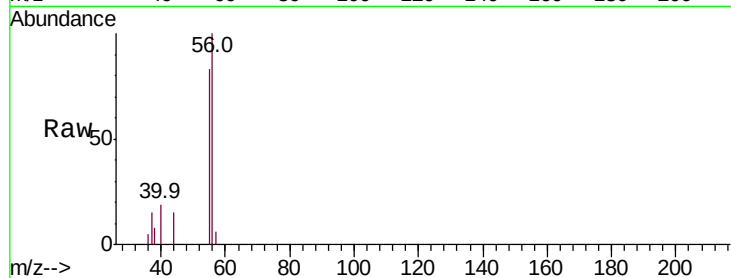
VD1027SBS01

Tot Ion: 56 Resp: 7599

Ion Ratio Lower Upper

56 100

55 79.7 56.0 84.0



#14

Allyl chloride

Concen: 19.997 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

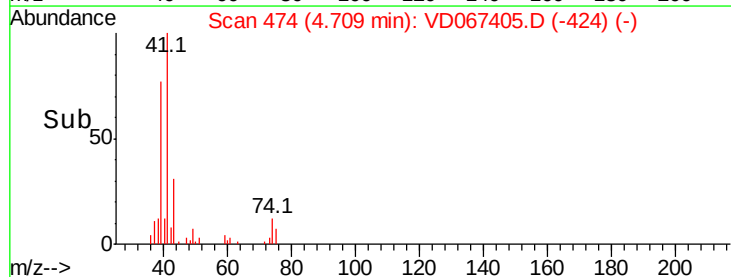
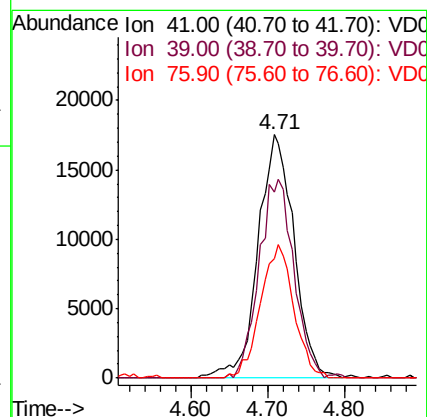
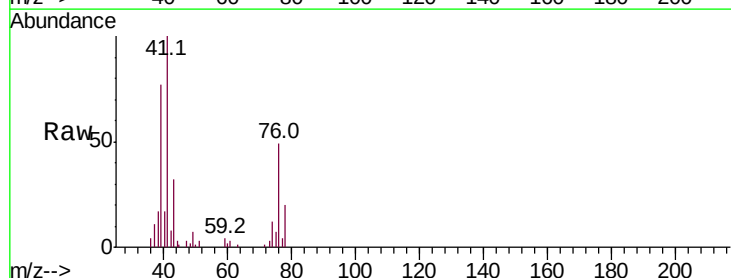
Tgt Ion: 41 Resp: 57115

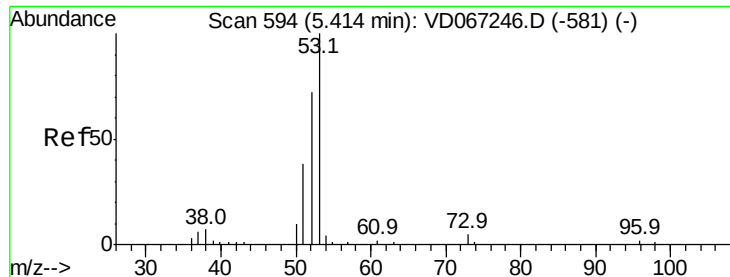
Ion Ratio Lower Upper

41 100

39 79.1 63.8 95.6

76 50.8 40.4 60.6

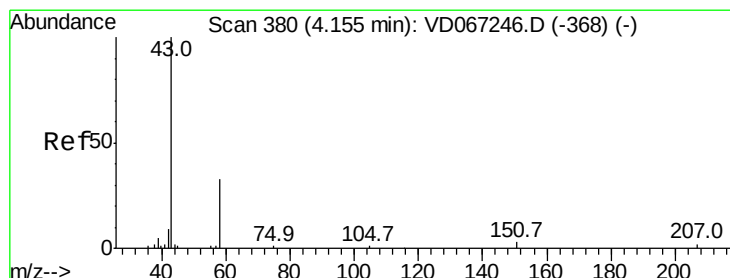
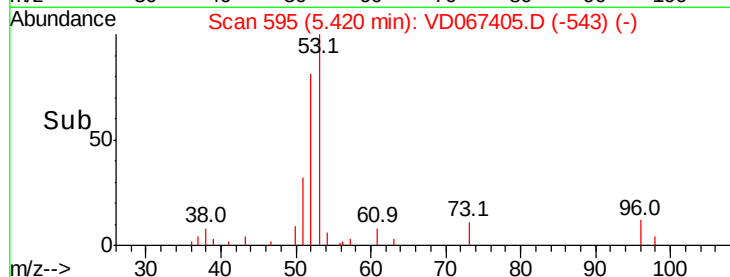
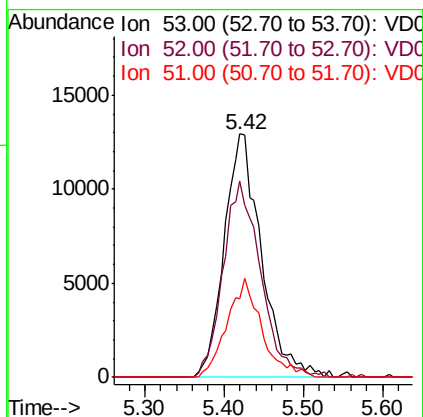
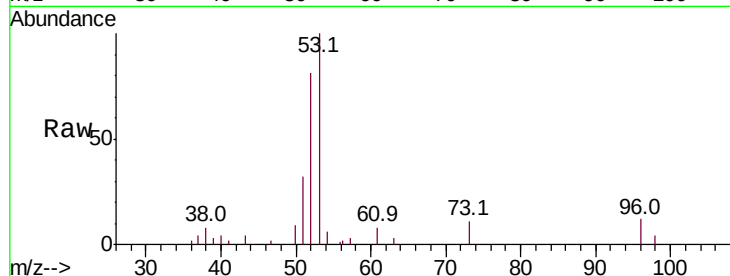




#15
 Acrylonitrile
 Concen: 104.793 ug/l
 RT: 5.42 min Scan# 595
 Delta R.T. 0.01 min
 Lab File: VD067405.D
 Acq: 27 Oct 2020 12:17

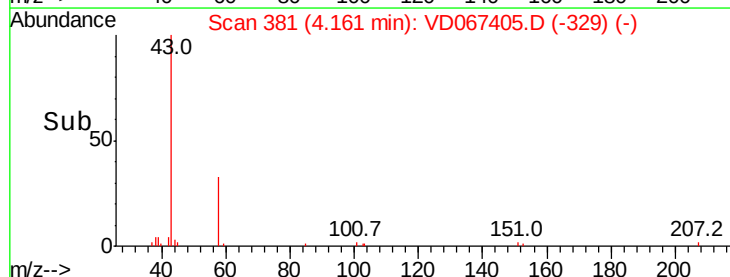
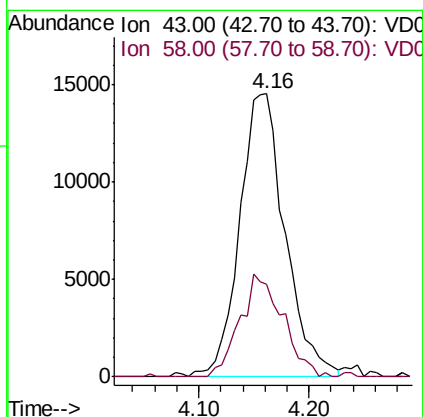
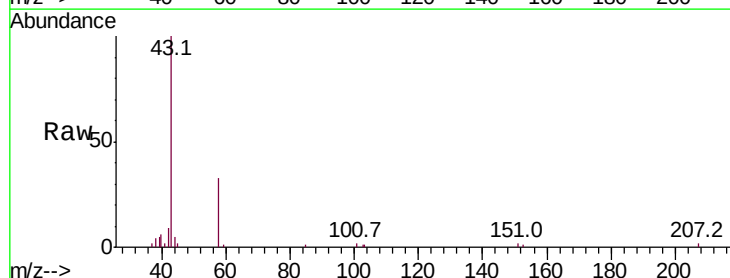
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1027SBS01

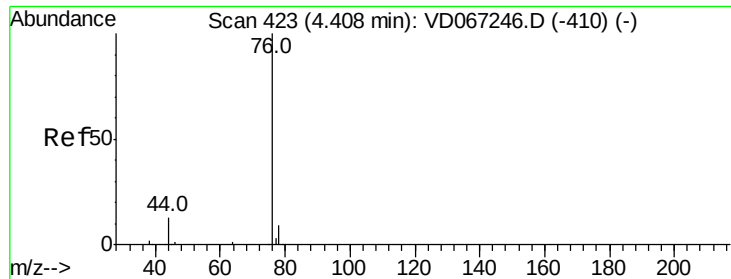
Tot Ion: 53 Resp: 42044
 Ion Ratio Lower Upper
 53 100
 52 80.7 65.6 98.4
 51 38.0 30.8 46.2



#16
 Acetone
 Concen: 98.782 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VD067405.D
 Acq: 27 Oct 2020 12:17

Tgt Ion: 43 Resp: 41885
 Ion Ratio Lower Upper
 43 100
 58 32.7 26.1 39.1





#17

Carbon Disulfide

Concen: 19.480 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

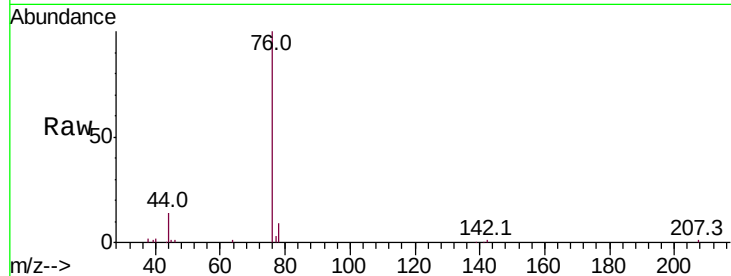
VD1027SBS01

Tot Ion: 76 Resp: 138503

Ion Ratio Lower Upper

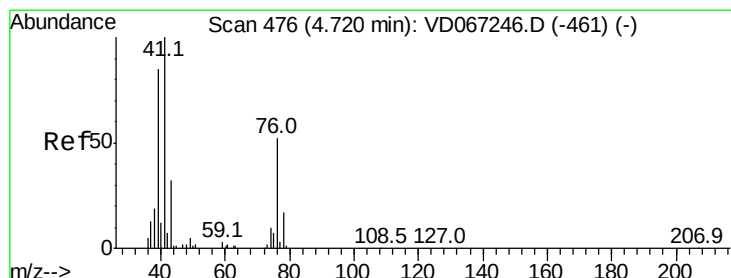
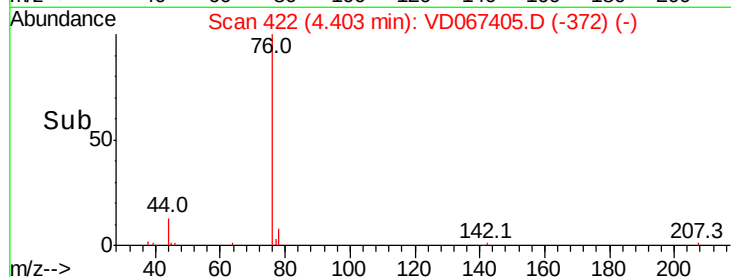
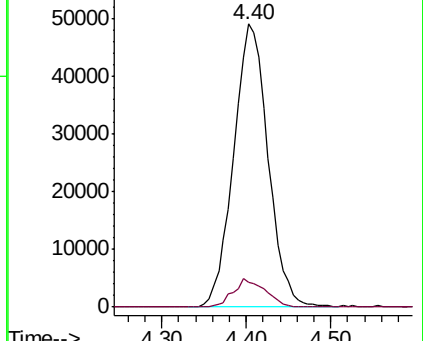
76 100

78 8.9 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 19.122 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD067405.D

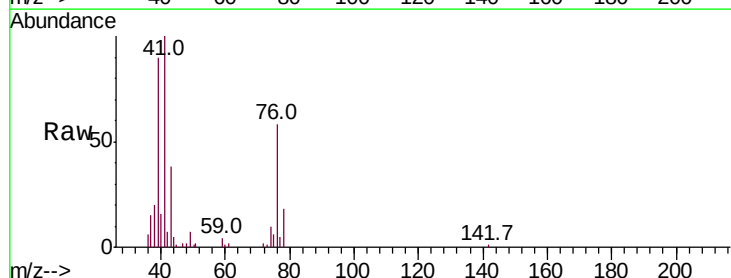
Acq: 27 Oct 2020 12:17

Tgt Ion: 43 Resp: 18493

Ion Ratio Lower Upper

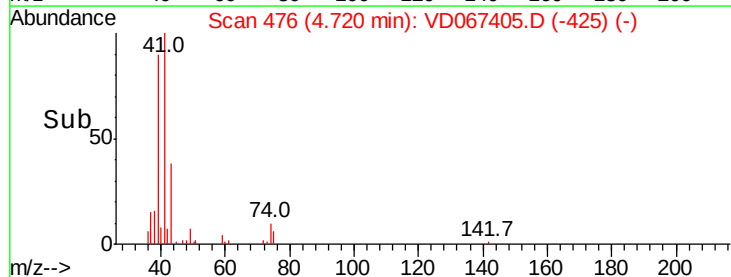
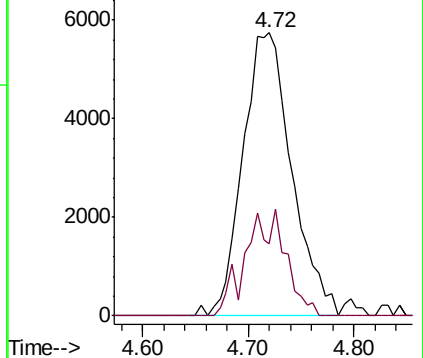
43 100

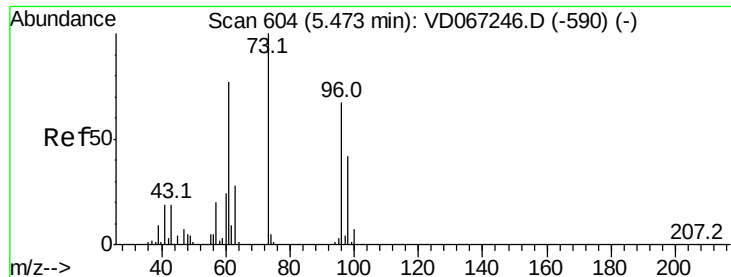
74 18.8 26.6 39.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

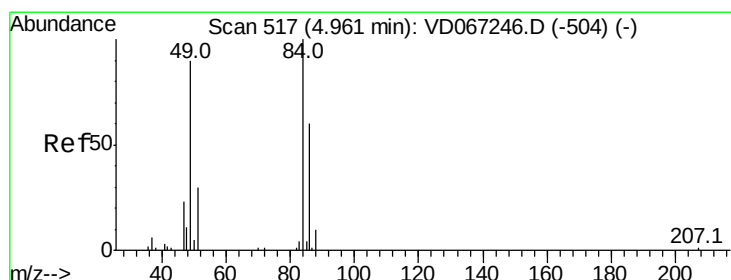
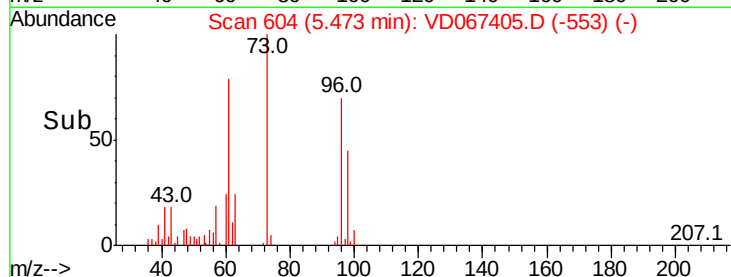
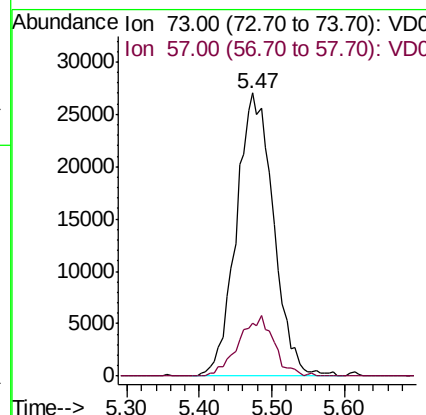
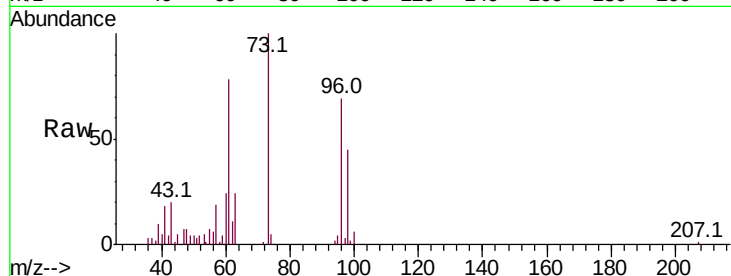




#19
Methvl tert-butvl Ether
Concen: 19.377 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

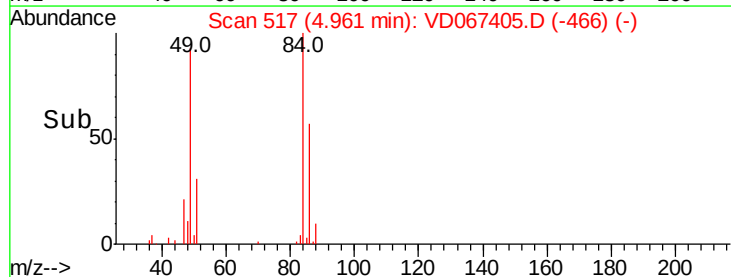
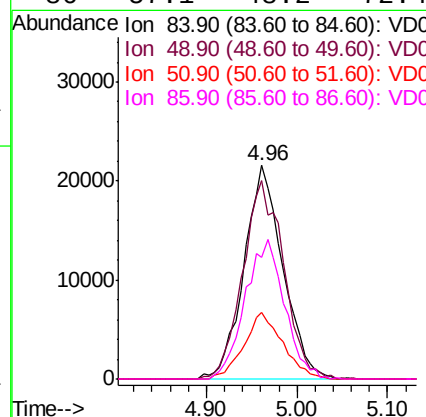
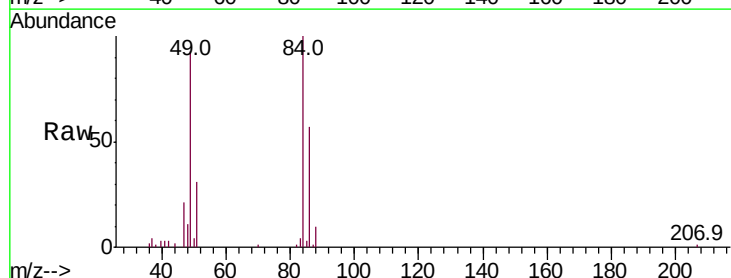
Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

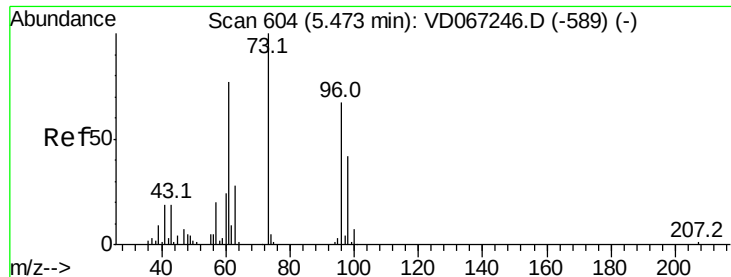
Tot Ion: 73 Resp: 96096
Ion Ratio Lower Upper
73 100
57 18.8 15.7 23.5



#20
Methylene Chloride
Concen: 20.976 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Tgt Ion: 84 Resp: 64049
Ion Ratio Lower Upper
84 100
49 92.9 72.2 108.2
51 31.2 23.8 35.8
86 57.1 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 20.942 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1027SBS01

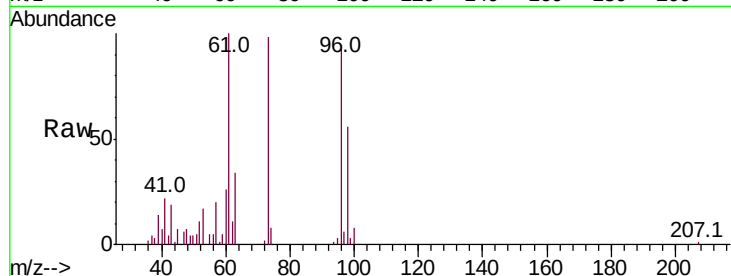
Tot Ion: 96 Resp: 60107

Ion Ratio Lower Upper

96 100

61 108.0 92.0 138.0

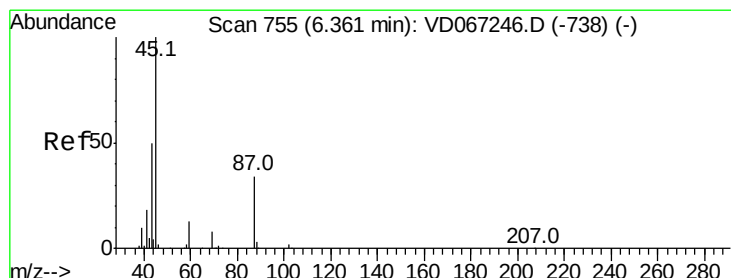
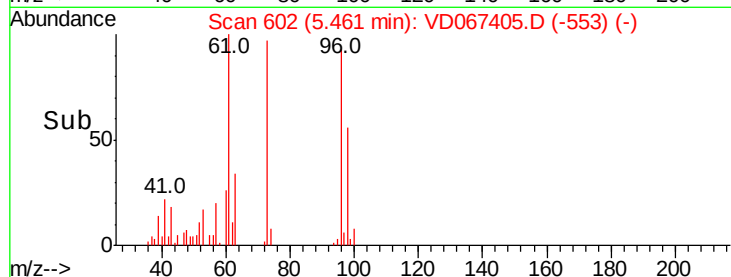
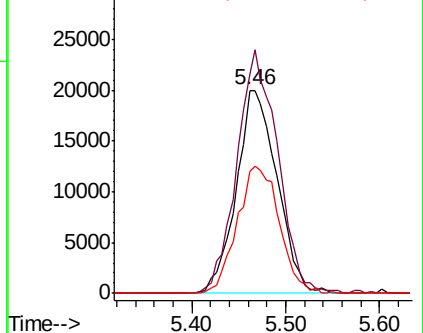
98 59.9 49.8 74.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 21.519 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

Tgt Ion: 45 Resp: 112276

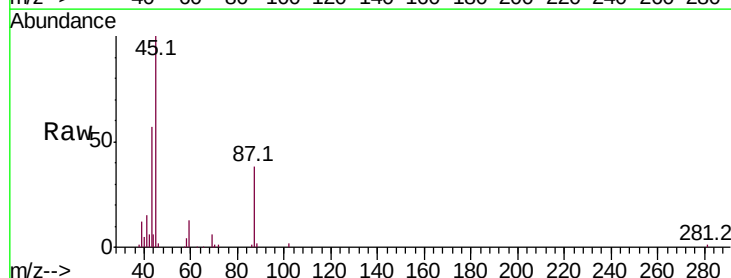
Ion Ratio Lower Upper

45 100

43 55.2 48.0 72.0

87 37.6 28.5 42.7

59 13.4 10.5 15.7

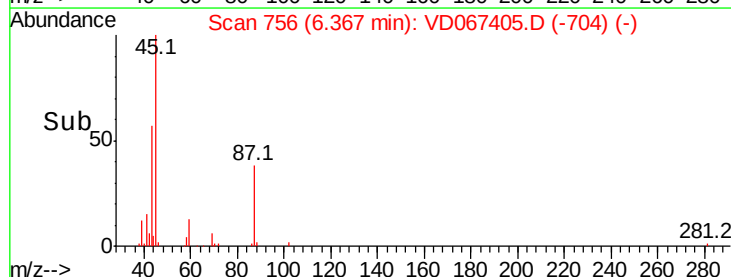
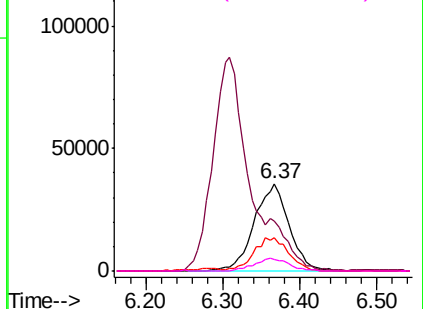


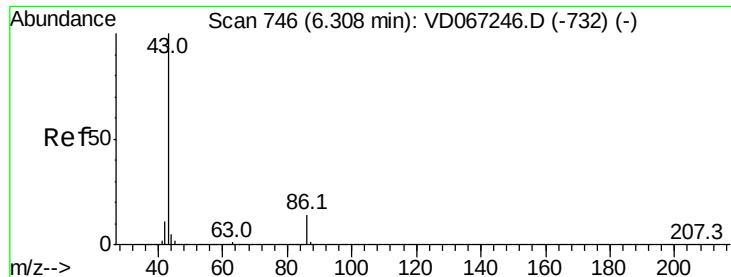
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 100.181 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

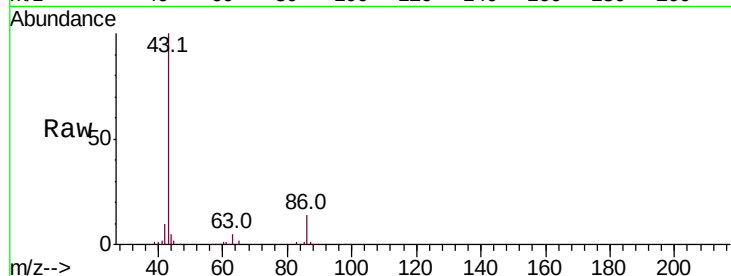
VD1027SBS01

Tot Ion: 43 Resp: 297378

Ion Ratio Lower Upper

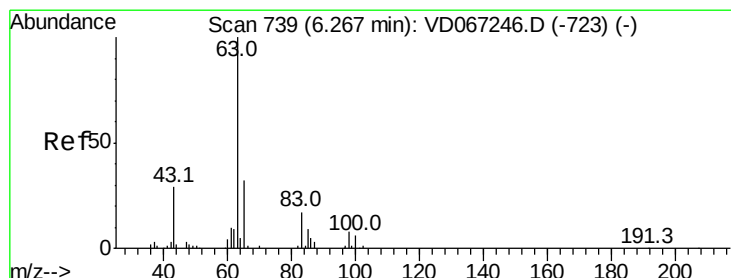
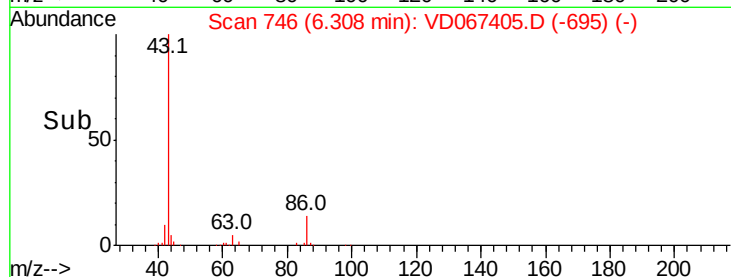
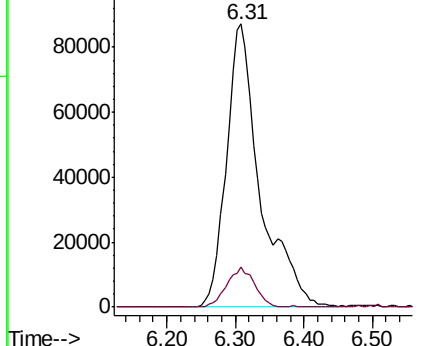
43 100

86 14.3 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: 21.185 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

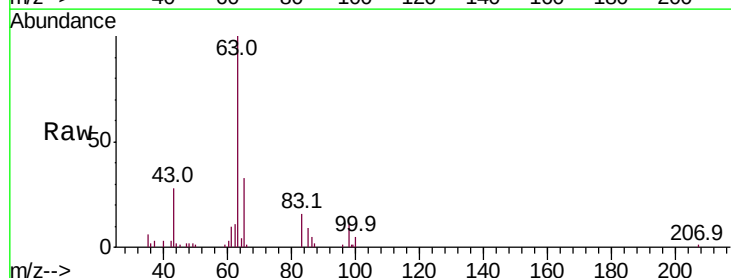
Tgt Ion: 63 Resp: 94620

Ion Ratio Lower Upper

63 100

98 11.0 4.0 12.2

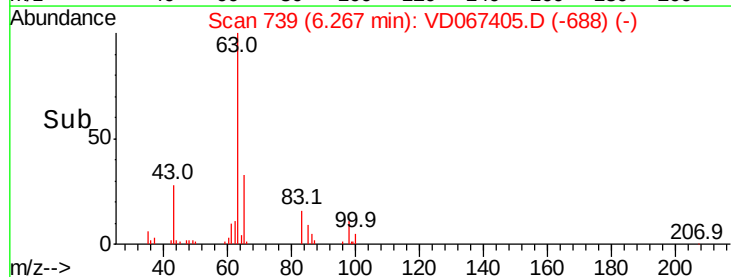
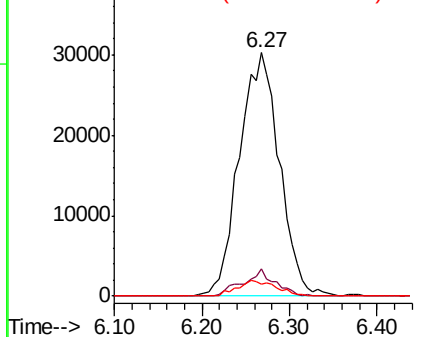
100 4.7 2.8 8.4

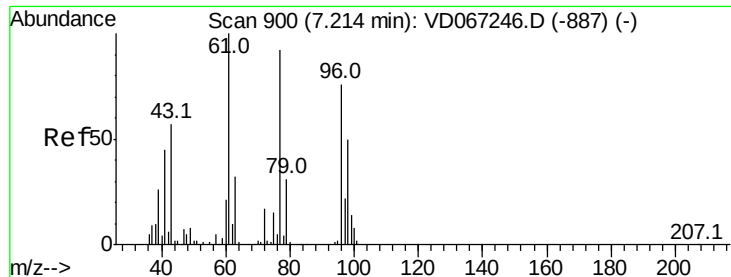


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 100.318 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

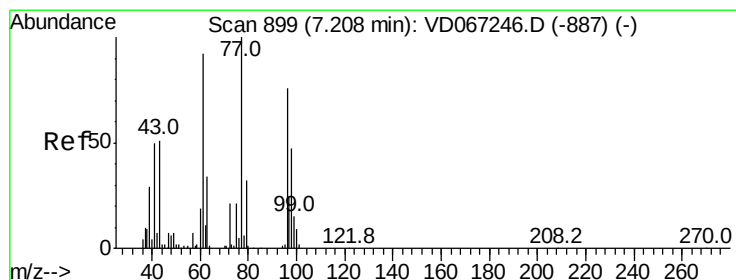
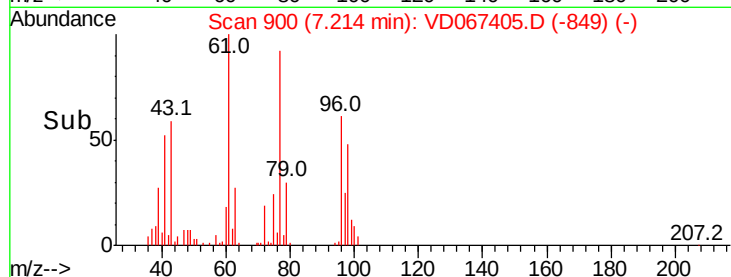
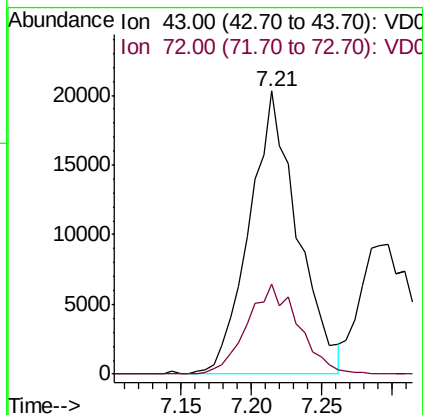
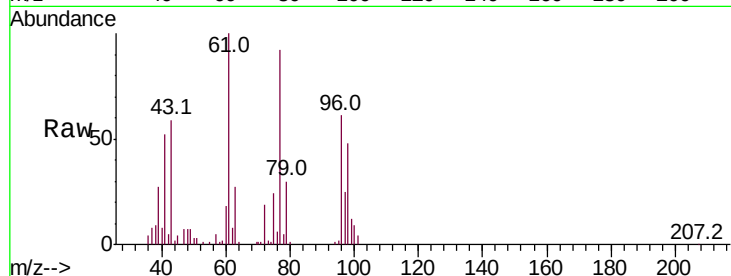
VD1027SBS01

Tot Ion: 43 Resp: 48487

Ion Ratio Lower Upper

43 100

72 32.1 23.7 35.5



#26

2,2-Dichloropropane

Concen: 21.741 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067405.D

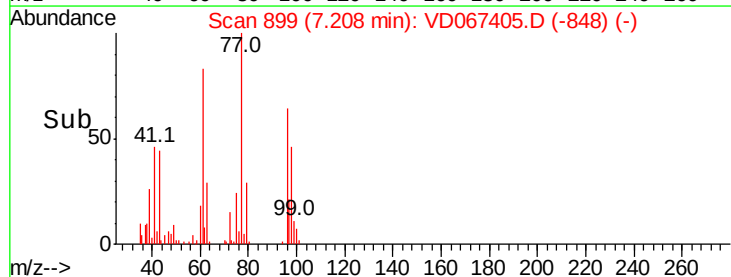
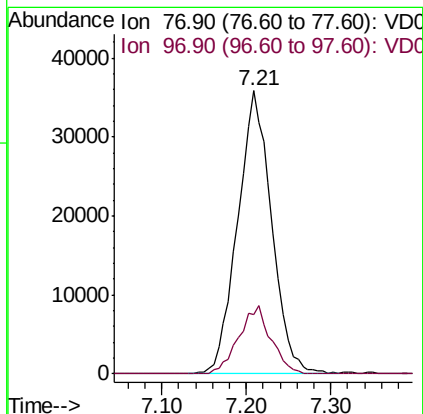
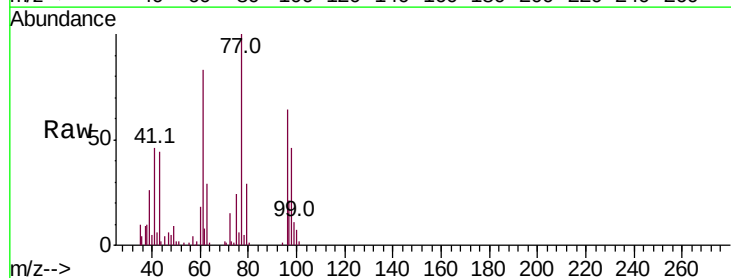
Acq: 27 Oct 2020 12:17

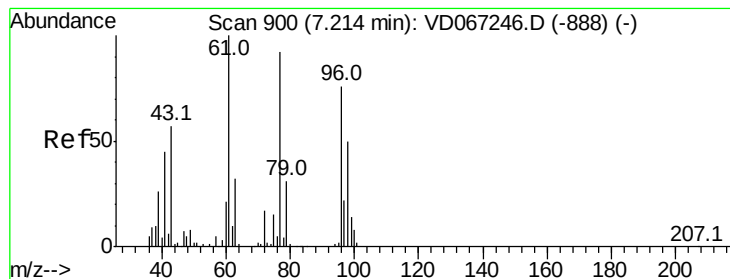
Tgt Ion: 77 Resp: 100087

Ion Ratio Lower Upper

77 100

97 22.7 11.4 34.2



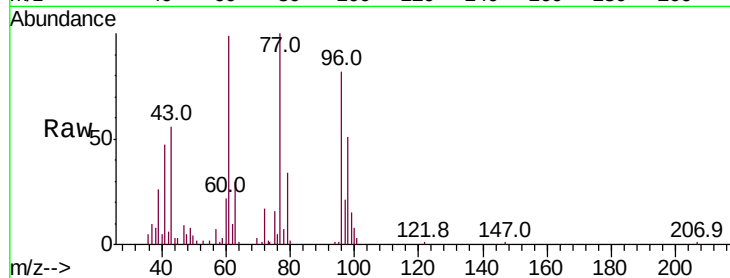


#27

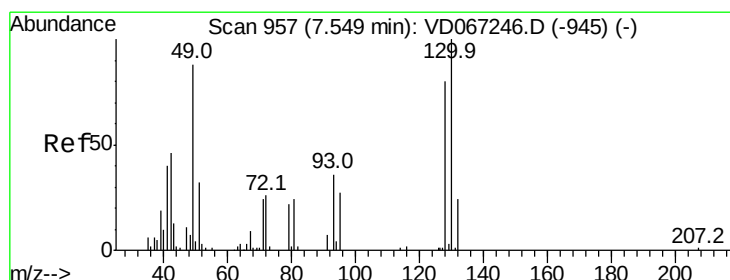
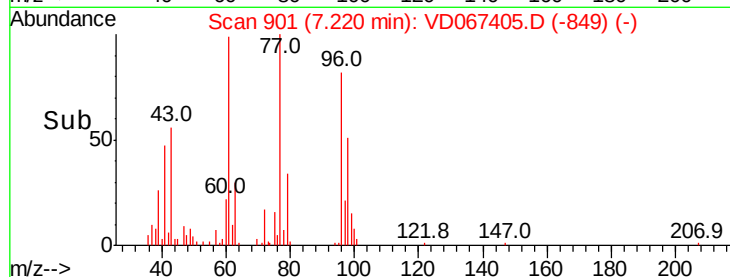
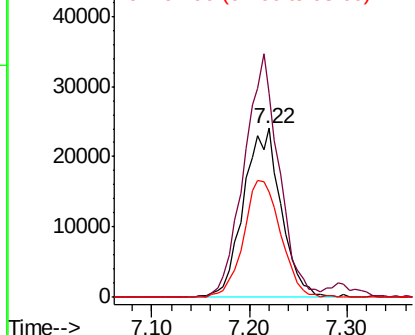
cis-1,2-Dichloroethene
Concen: 20.671 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

Tot Ion: 96 Resp: 65022
Ion Ratio Lower Upper
96 100
61 133.5 0.0 255.4
98 67.9 0.0 128.0



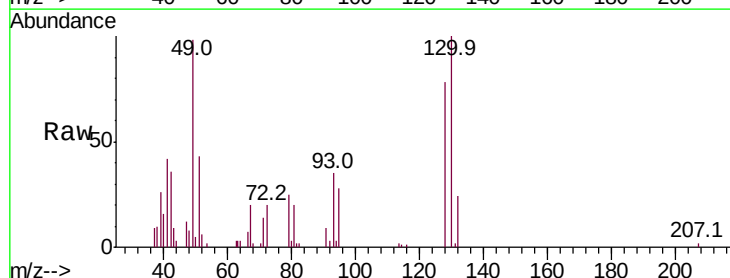
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



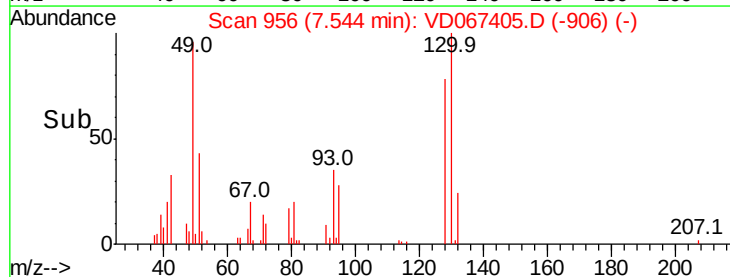
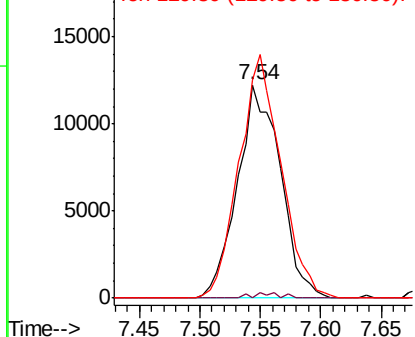
#28

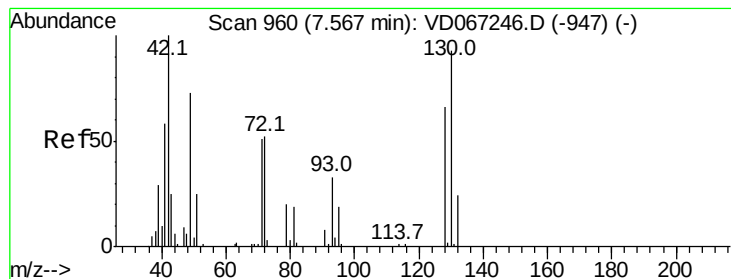
Bromochloromethane
Concen: 19.839 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Tgt Ion: 49 Resp: 30223
Ion Ratio Lower Upper
49 100
129 1.5 0.0 1.6
130 111.6 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: 102.756 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1027SBS01

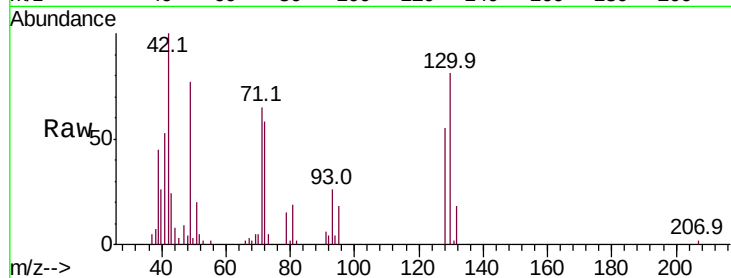
Tot Ion: 42 Resp: 27608

Ion Ratio Lower Upper

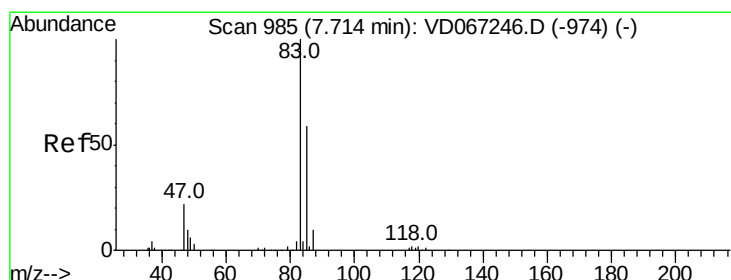
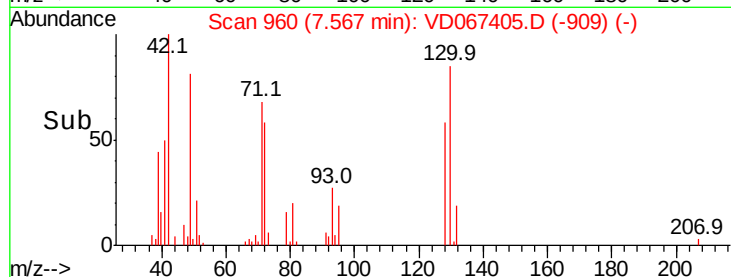
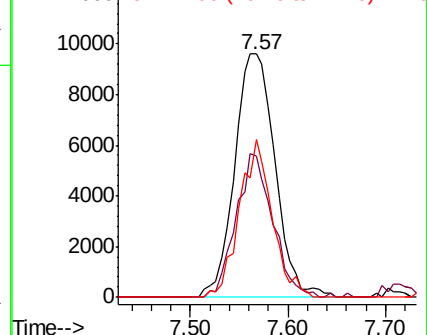
42 100

72 53.5 43.2 64.8

71 52.6 39.4 59.0



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



#30

Chloroform

Concen: 22.068 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.01 min

Lab File: VD067405.D

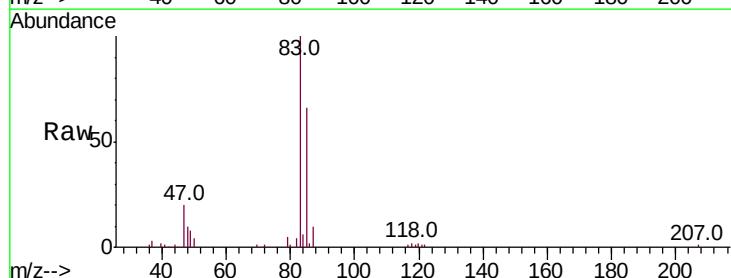
Acq: 27 Oct 2020 12:17

Tgt Ion: 83 Resp: 117744

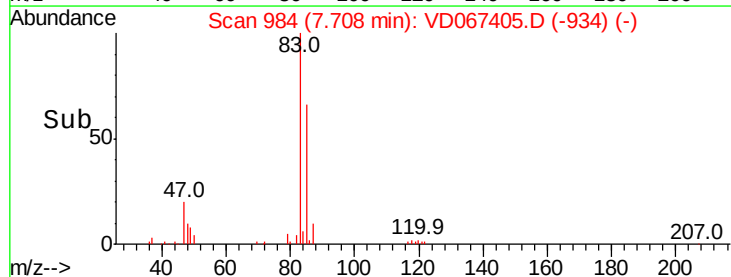
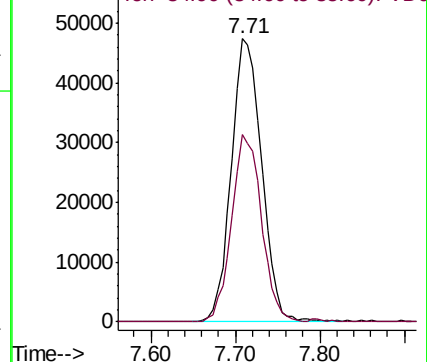
Ion Ratio Lower Upper

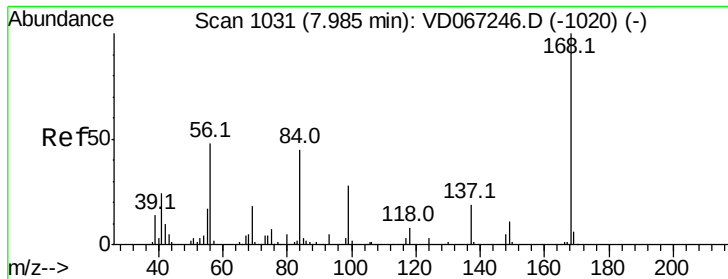
83 100

85 66.1 47.3 70.9



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

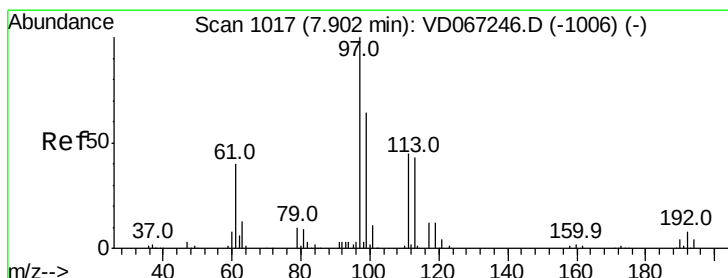
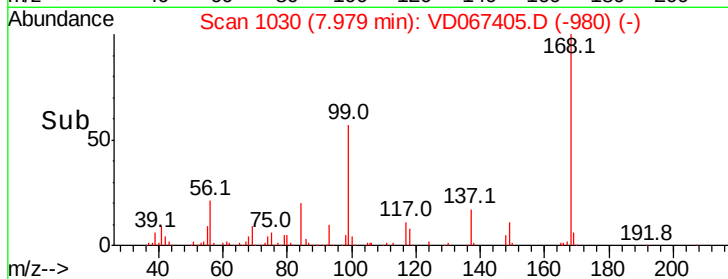
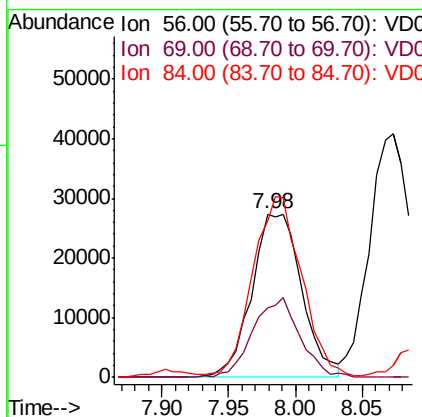
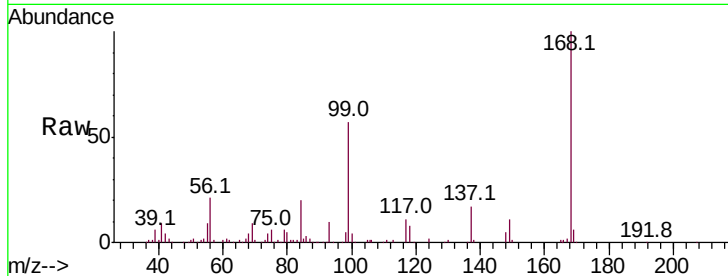




#31
Cyclohexane
Concen: 20.417 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

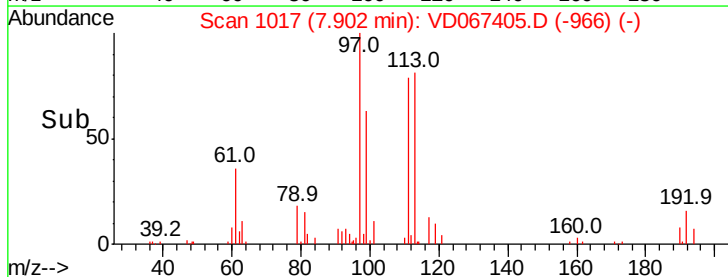
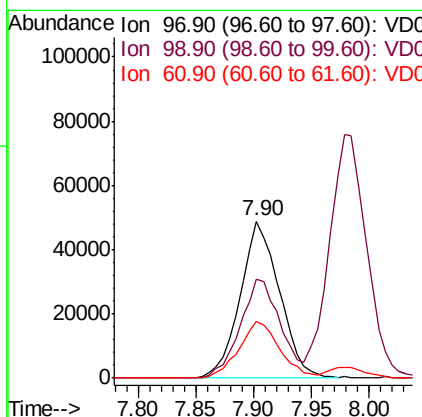
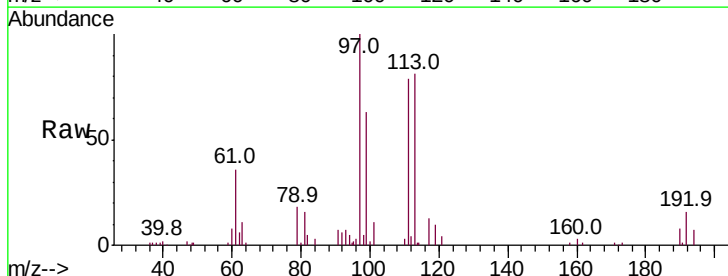
Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

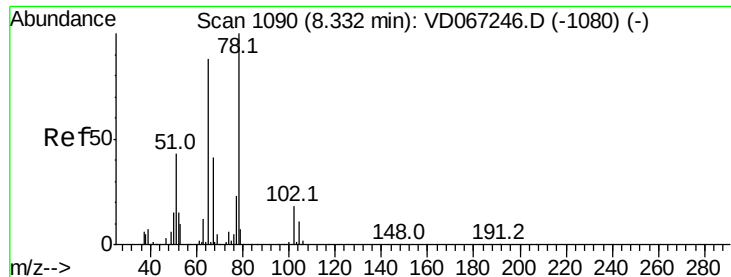
Tot Ion: 56 Resp: 71197
Ion Ratio Lower Upper
56 100
69 42.8 29.8 44.6
84 93.7 76.6 114.8



#32
1,1,1-Trichloroethane
Concen: 22.100 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Tgt Ion: 97 Resp: 115695
Ion Ratio Lower Upper
97 100
99 64.8 50.2 75.4
61 37.5 30.5 45.7





#33

1,2-Dichloroethane-d4

Concen: 48.069 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

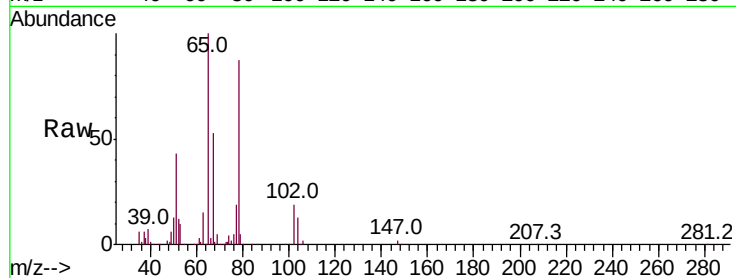
VD1027SBS01

Tot Ion: 65 Resp: 145533

Ion Ratio Lower Upper

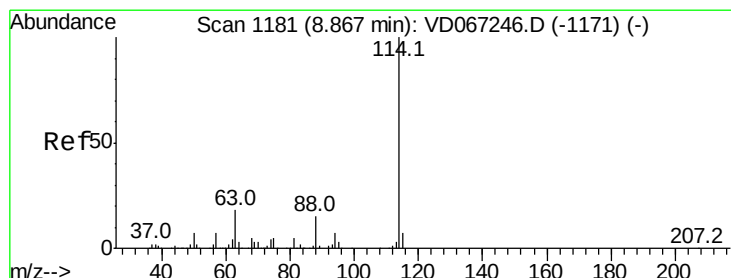
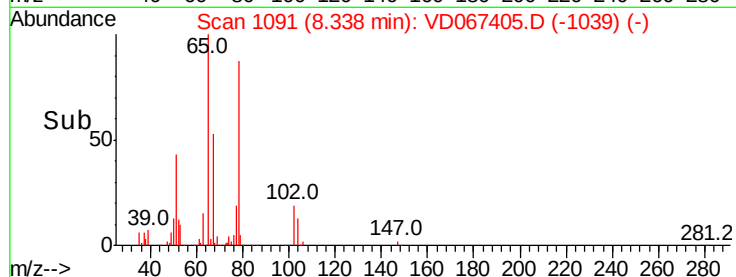
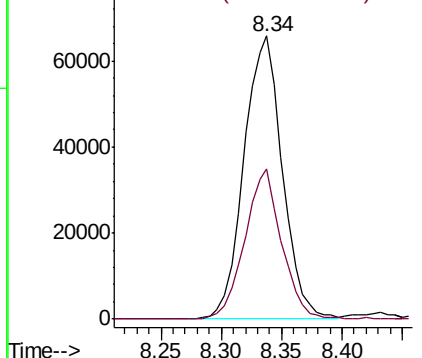
65 100

67 50.8 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: VD067405.D

Acq: 27 Oct 2020 12:17

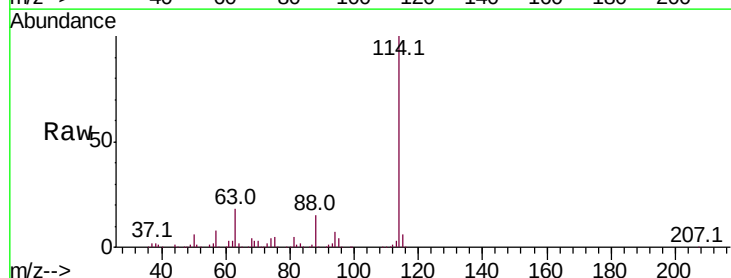
Tgt Ion: 114 Resp: 446531

Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.0

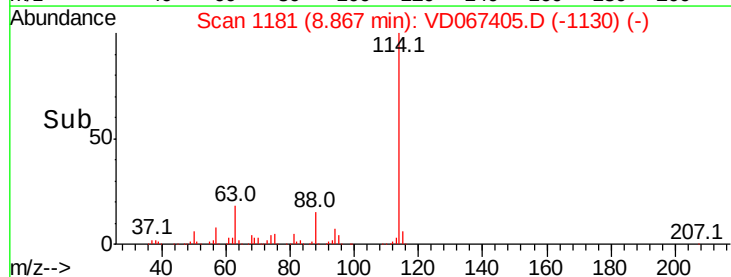
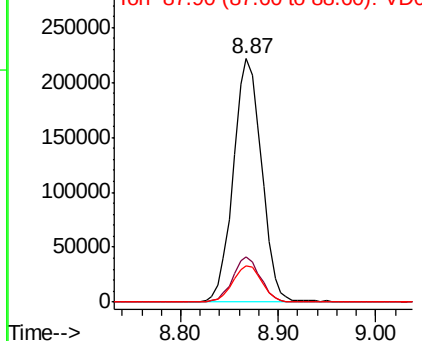
88 14.9 0.0 30.6

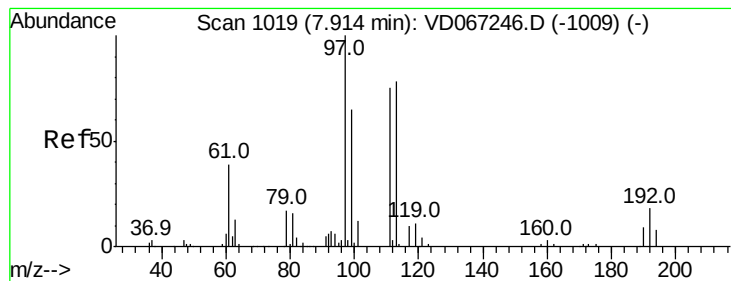


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 51.781 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1027SBS01

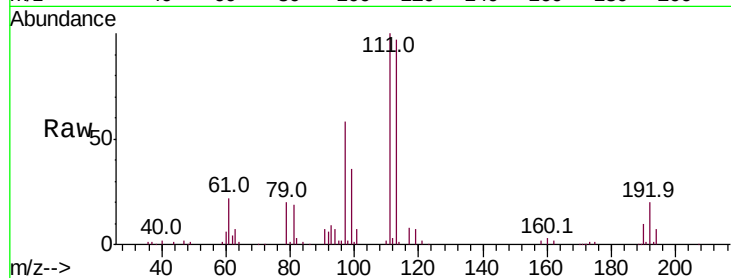
Tot Ion:113 Resp: 153875

Ion Ratio Lower Upper

113 100

111 103.2 81.6 122.4

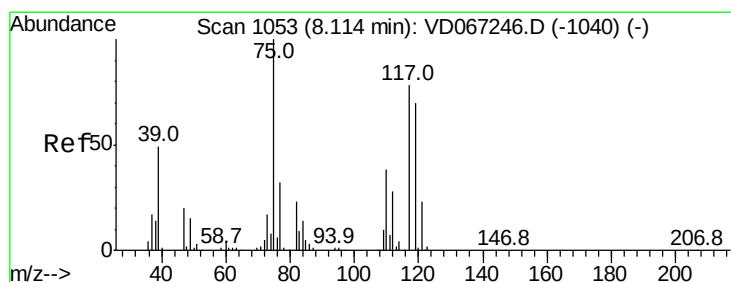
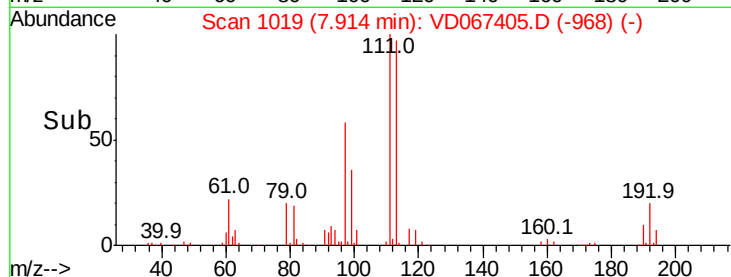
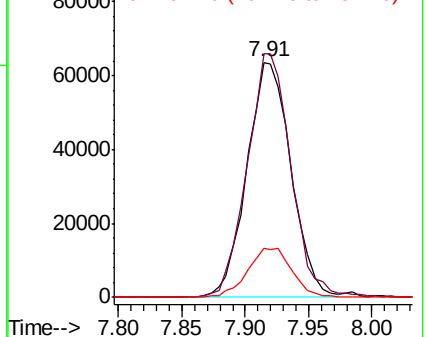
192 21.1 17.0 25.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 21.724 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

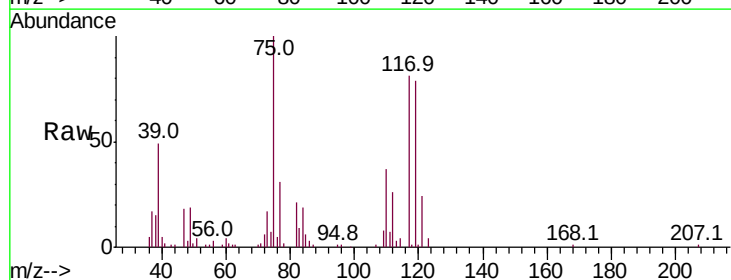
Tgt Ion: 75 Resp: 82216

Ion Ratio Lower Upper

75 100

110 38.4 19.6 58.7

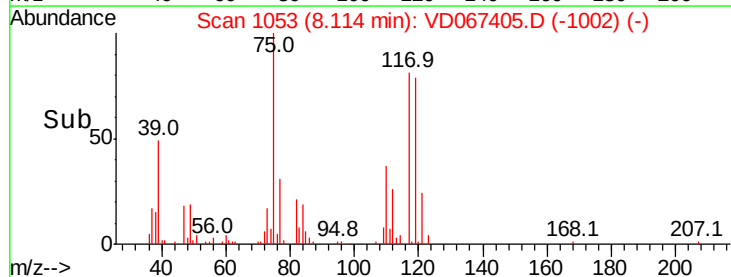
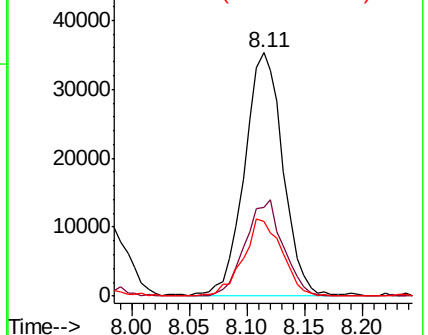
77 31.5 24.6 37.0

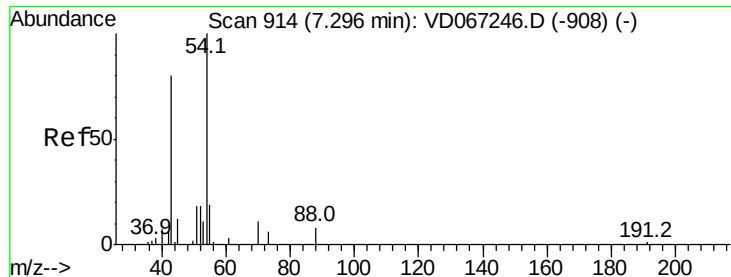


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

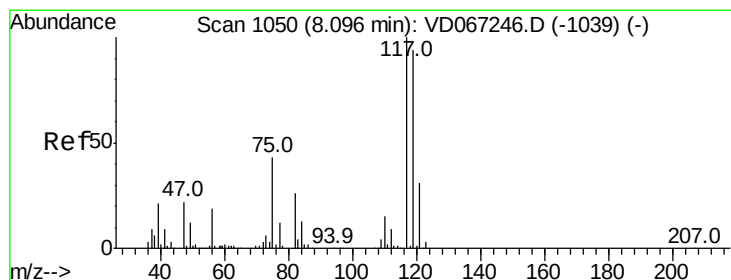
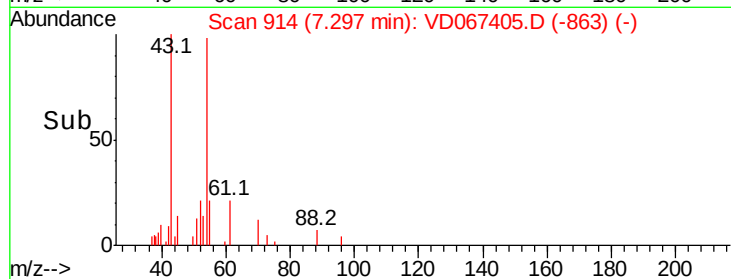
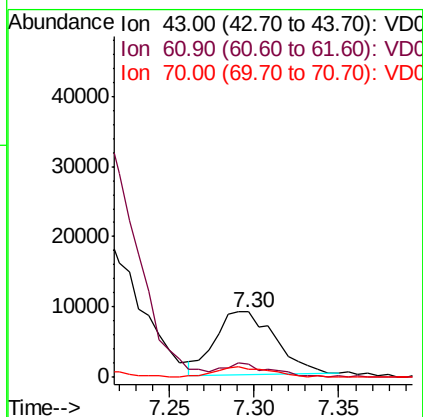
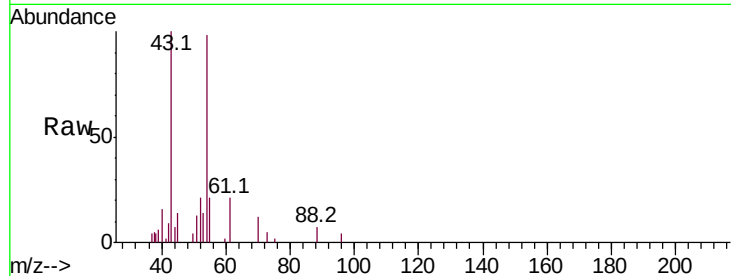




#37
Ethyl Acetate
Concen: 19.990 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

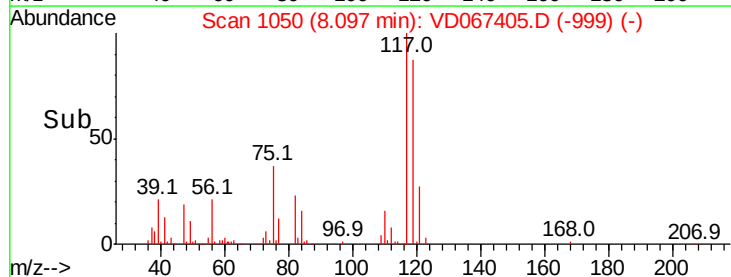
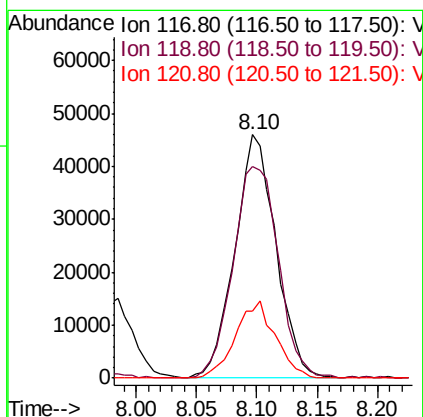
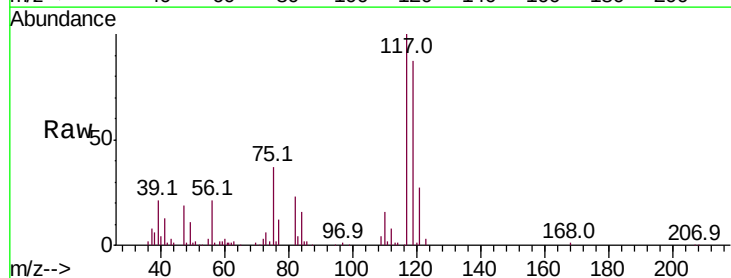
Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

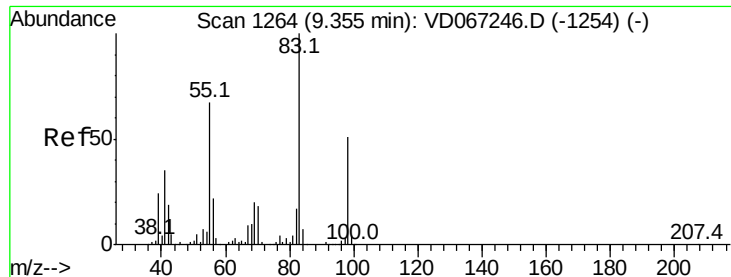
Tot Ion: 43 Resp: 22259
Ion Ratio Lower Upper
43 100
61 17.8 15.6 23.4
70 15.2 10.4 15.6



#38
Carbon Tetrachloride
Concen: 22.537 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Tgt Ion: 117 Resp: 109016
Ion Ratio Lower Upper
117 100
119 87.0 75.0 112.4
121 27.5 24.9 37.3

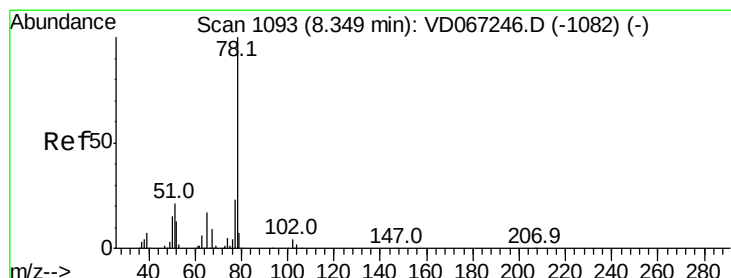
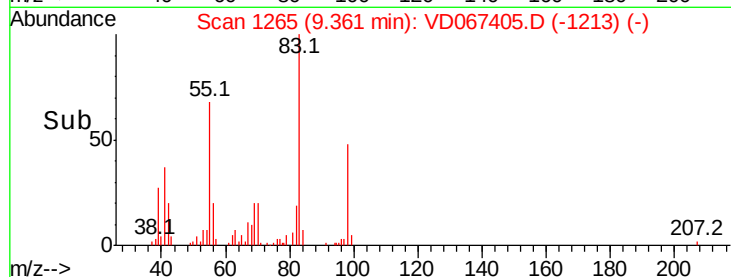
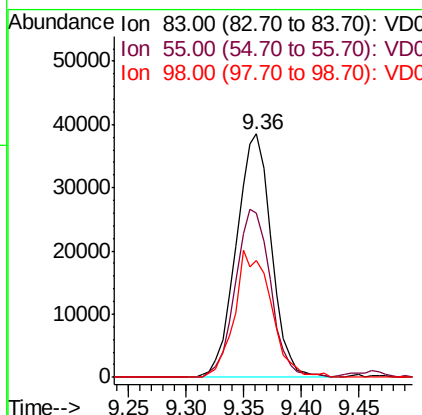
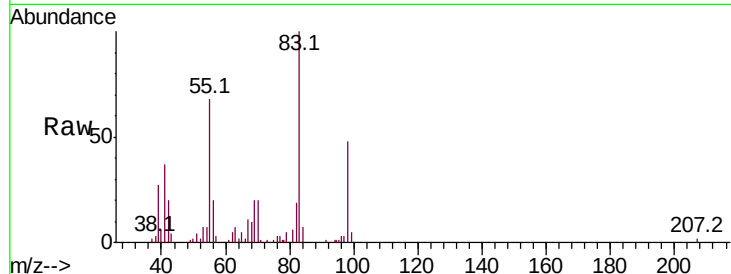




#39
Methylvlcyclohexane
Concen: 20.546 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

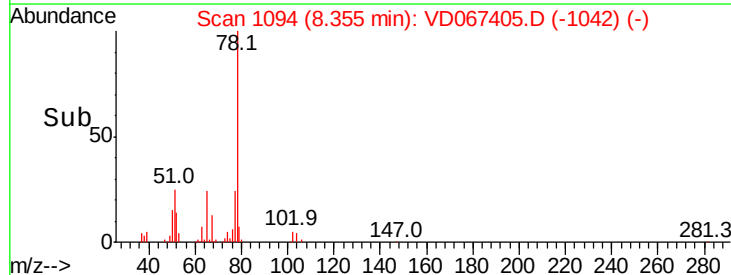
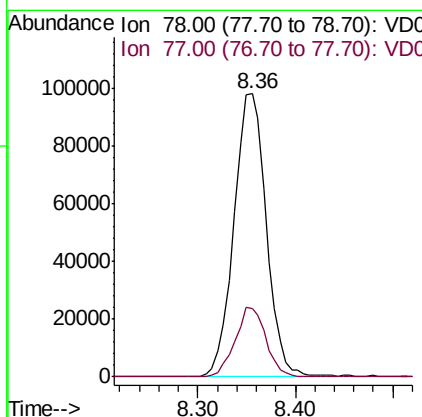
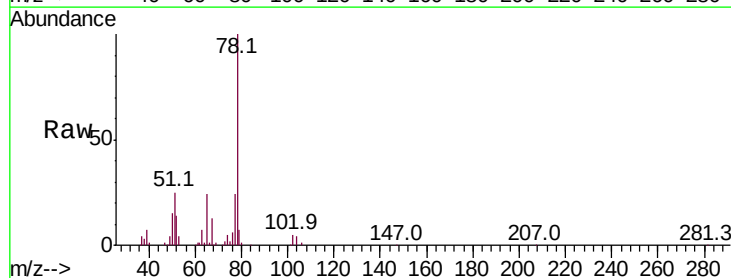
Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

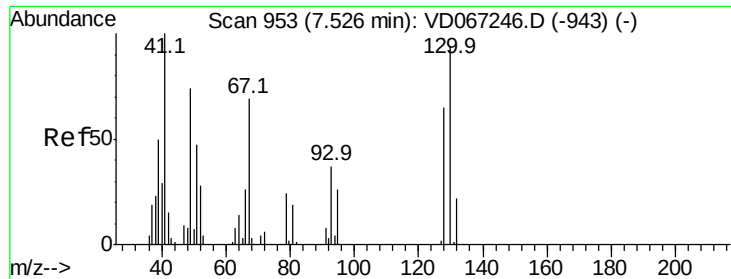
Tot Ion: 83 Resp: 81291
Ion Ratio Lower Upper
83 100
55 67.7 53.3 79.9
98 48.0 41.0 61.4



#40
Benzene
Concen: 21.849 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Tgt Ion: 78 Resp: 226853
Ion Ratio Lower Upper
78 100
77 24.1 18.3 27.5

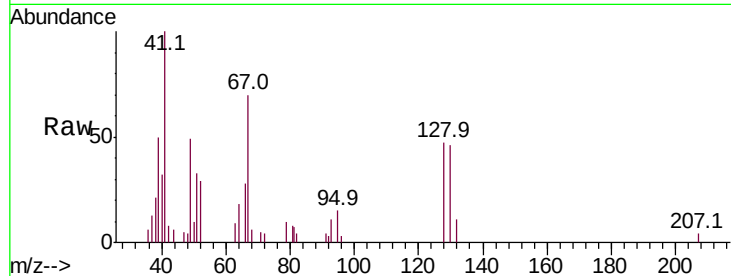




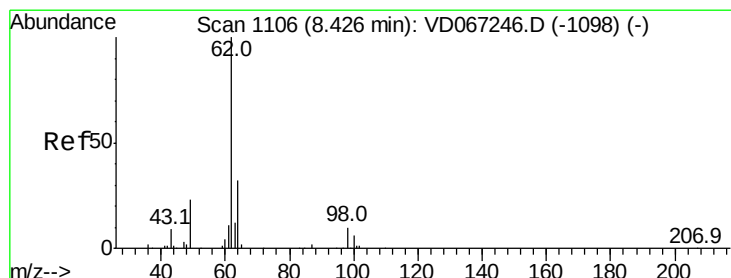
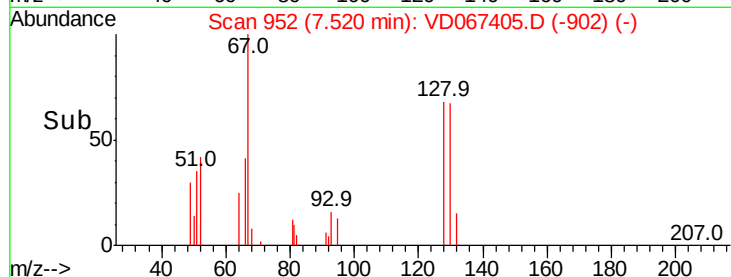
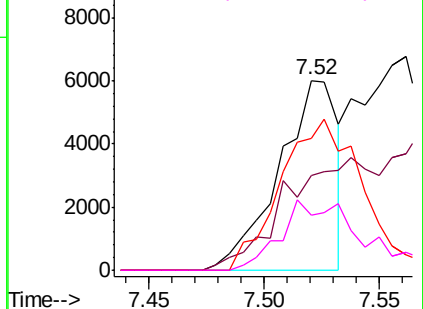
#41
Methacrylonitrile
Concen: 17.726 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

Tot Ion: 41 Resp: 10666
Ion Ratio Lower Upper
41 100
39 0.0 60.0 90.0#
67 110.6 88.9 133.3
52 49.3 36.9 55.3

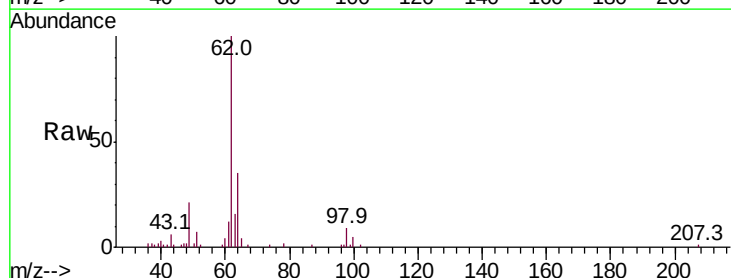


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

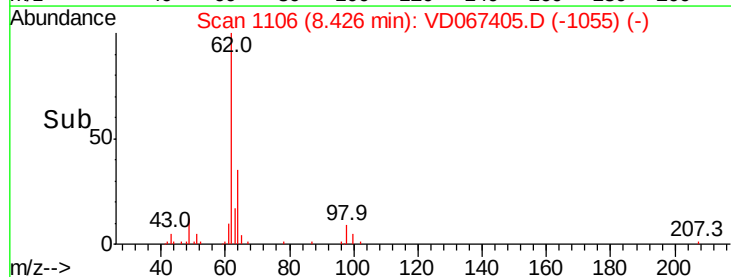
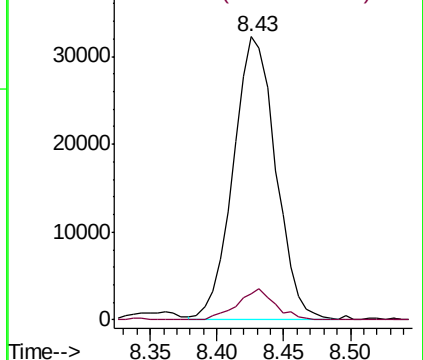


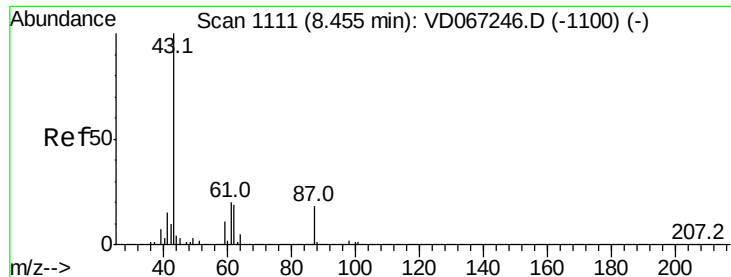
#42
1,2-Dichloroethane
Concen: 21.978 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Tgt Ion: 62 Resp: 71413
Ion Ratio Lower Upper
62 100
98 9.7 0.0 19.4



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





#43

Isopropyl Acetate

Concen: 20.397 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1027SBS01

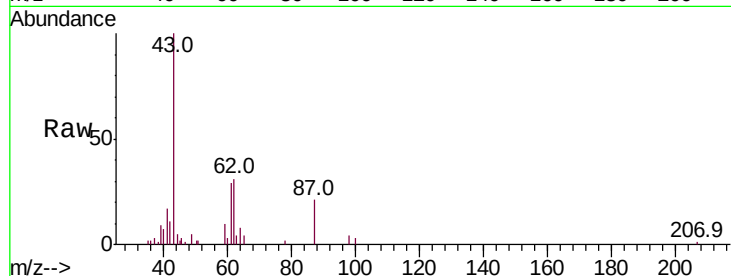
Tot Ion: 43 Resp: 45066

Ion Ratio Lower Upper

43 100

61 37.3 29.5 44.3

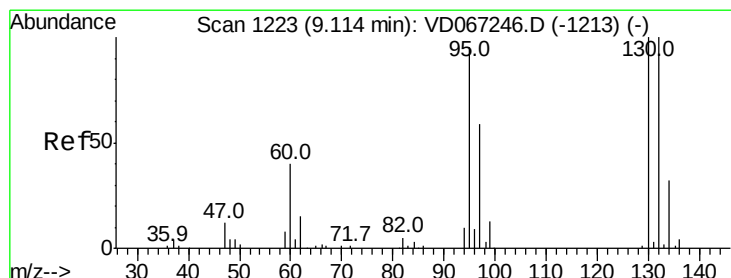
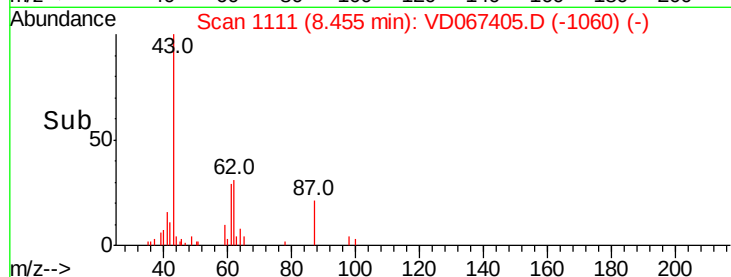
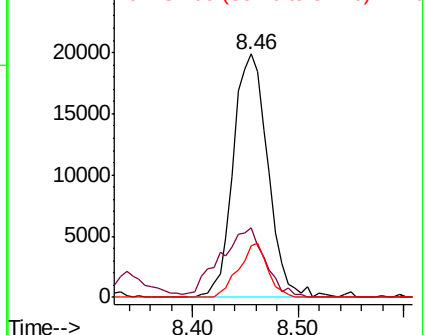
87 18.6 14.2 21.4



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: 22.318 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD067405.D

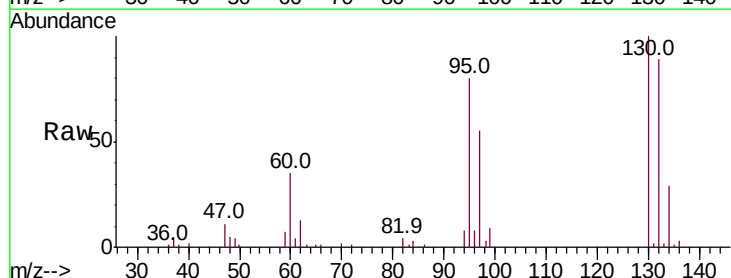
Acq: 27 Oct 2020 12:17

Tgt Ion:130 Resp: 74193

Ion Ratio Lower Upper

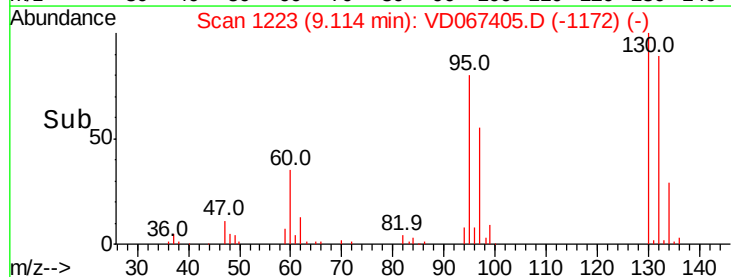
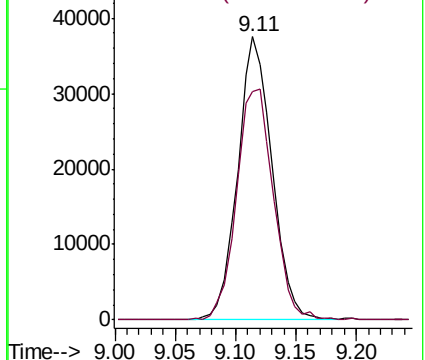
130 100

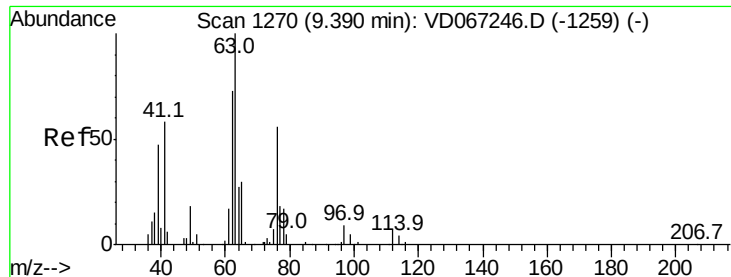
95 80.5 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.414 ug/l

RT: 9.40 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

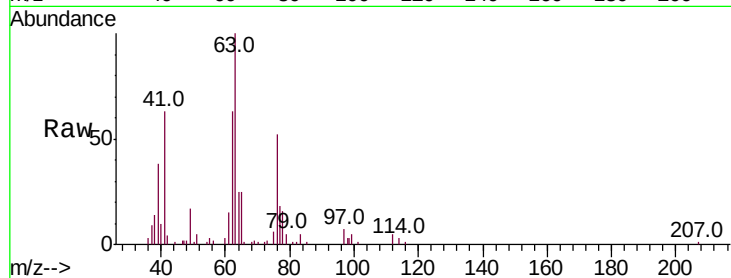
VD1027SBS01

Tot Ion: 63 Resp: 51529

Ion Ratio Lower Upper

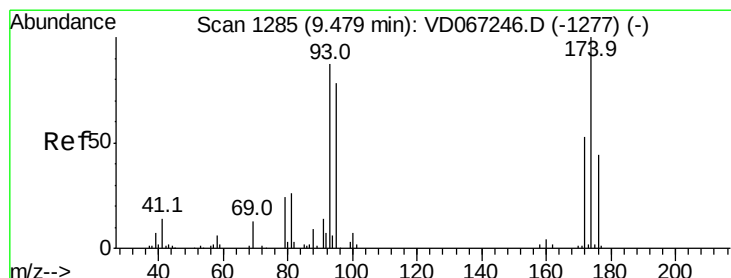
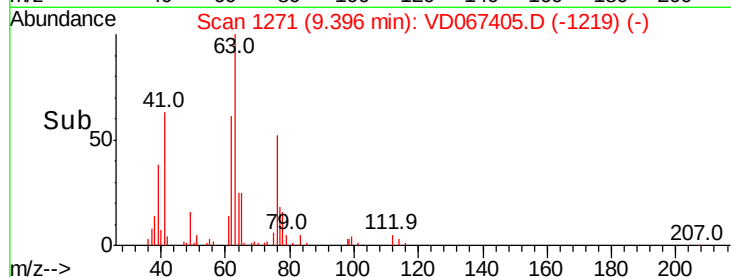
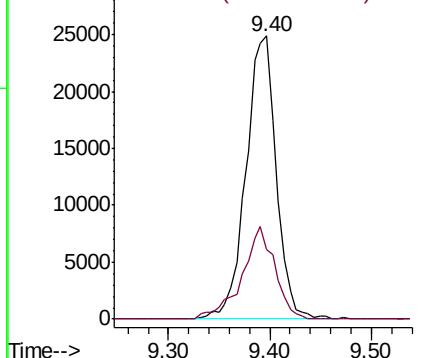
63 100

65 24.6 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: 21.331 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

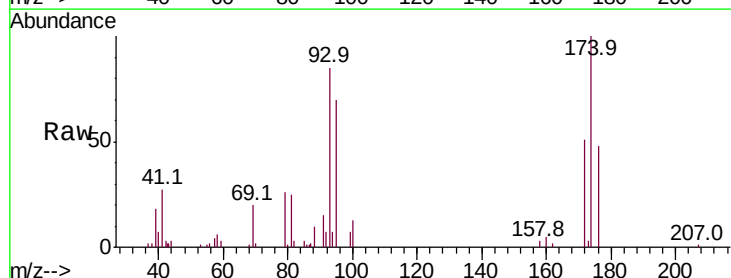
Tgt Ion: 93 Resp: 31981

Ion Ratio Lower Upper

93 100

95 86.2 68.0 102.0

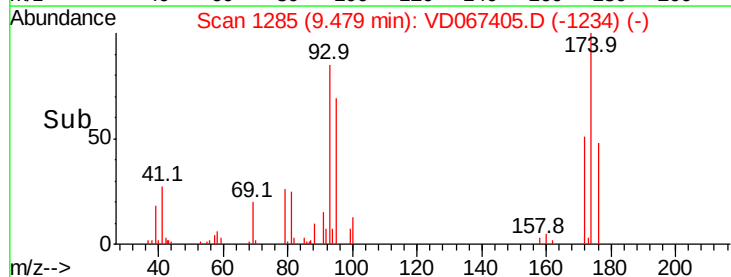
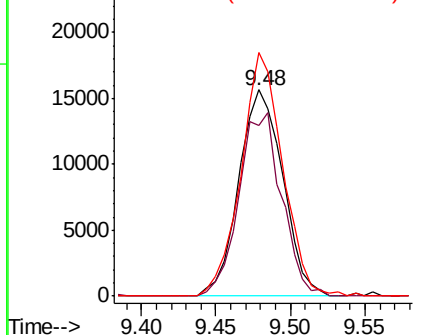
174 111.5 91.8 137.6

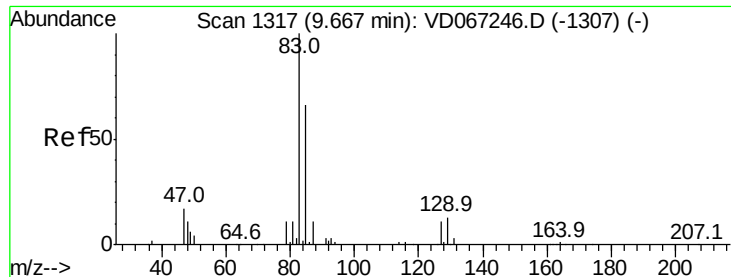


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 21.904 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1027SBS01

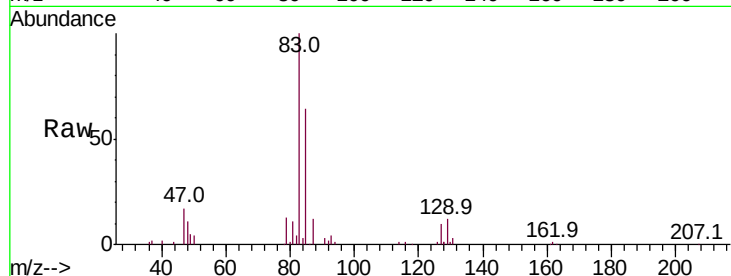
Tot Ion: 83 Resp: 87982

Ion Ratio Lower Upper

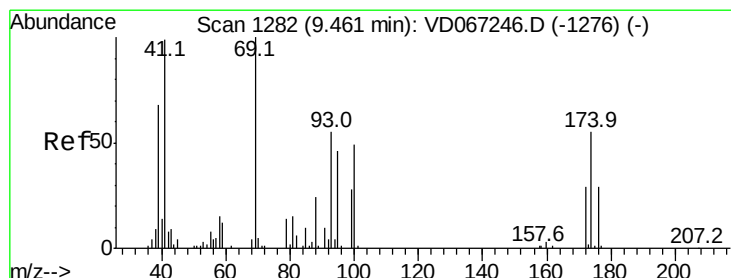
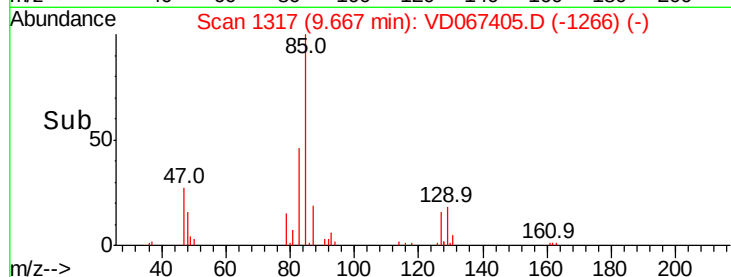
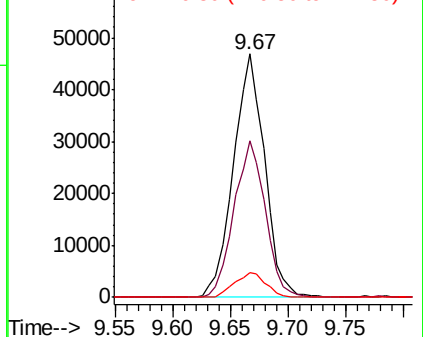
83 100

85 64.1 53.1 79.7

127 10.3 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: 20.325 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

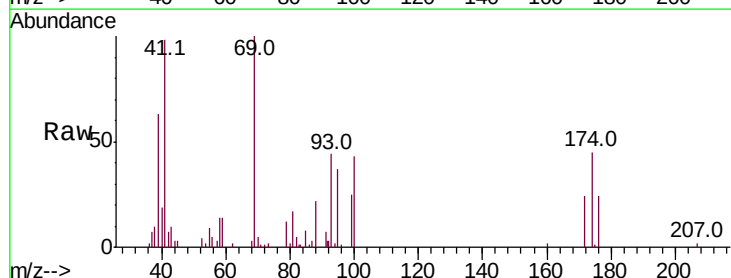
Tgt Ion: 41 Resp: 21824

Ion Ratio Lower Upper

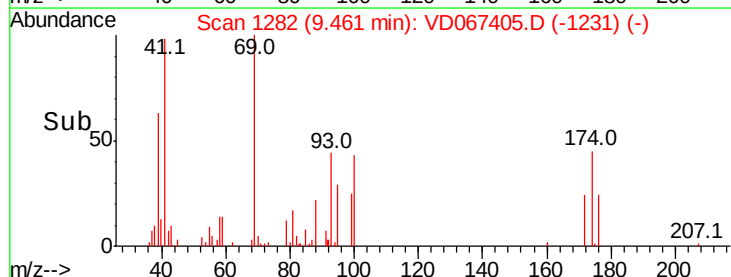
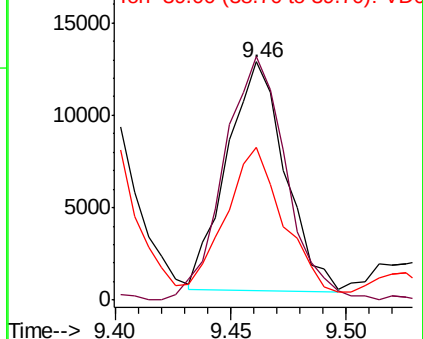
41 100

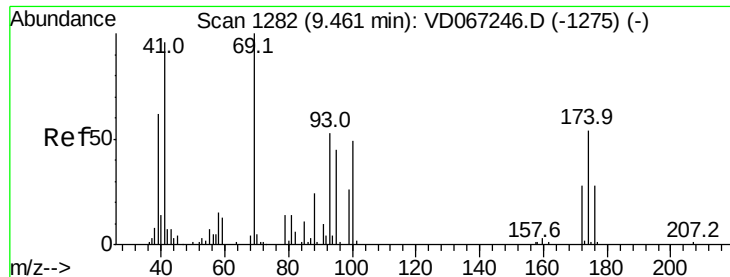
69 112.9 89.0 133.6

39 70.1 60.2 90.2



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





#49

1,4-Dioxane

Concen: 442.948 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1027SBS01

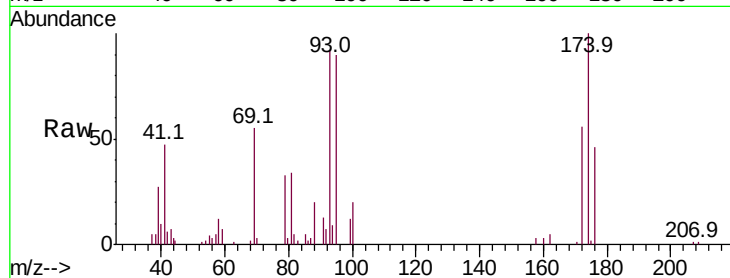
Tot Ion: 88 Resp: 6672

Ion Ratio Lower Upper

88 100

43 40.1 23.9 35.9#

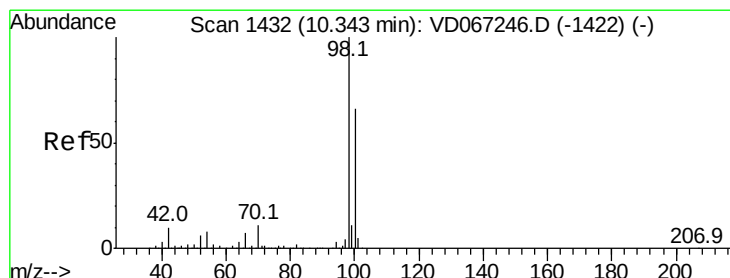
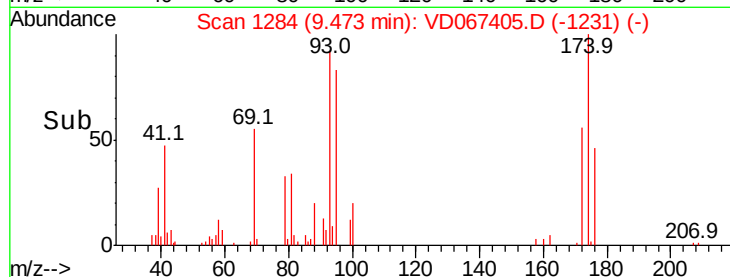
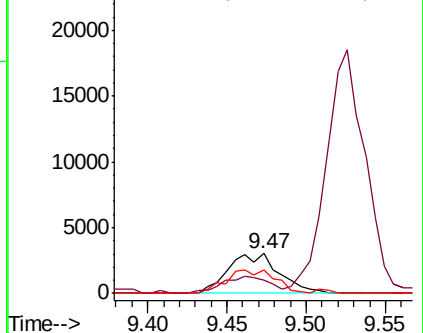
58 58.6 51.0 76.6



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: 51.306 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067405.D

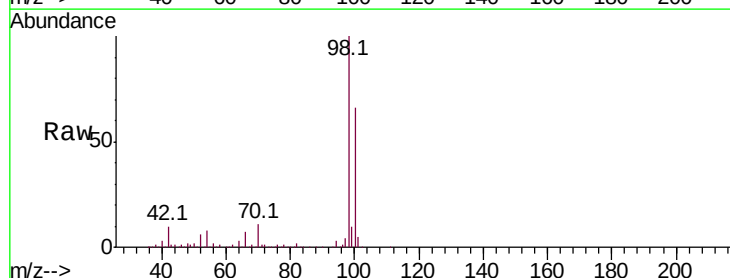
Acq: 27 Oct 2020 12:17

Tgt Ion: 98 Resp: 551751

Ion Ratio Lower Upper

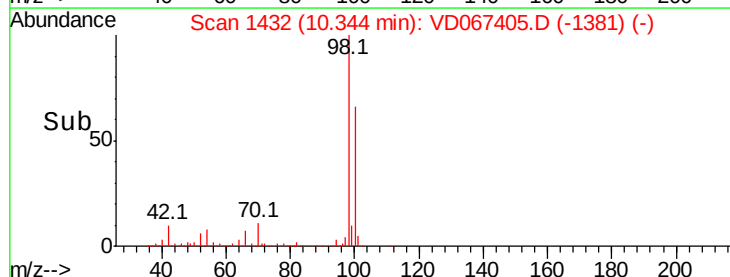
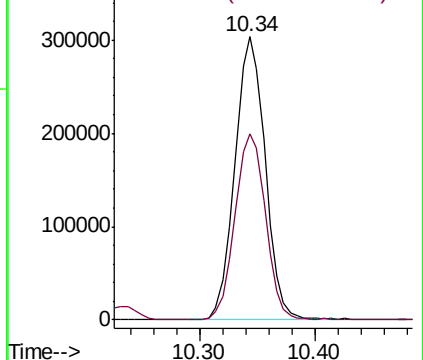
98 100

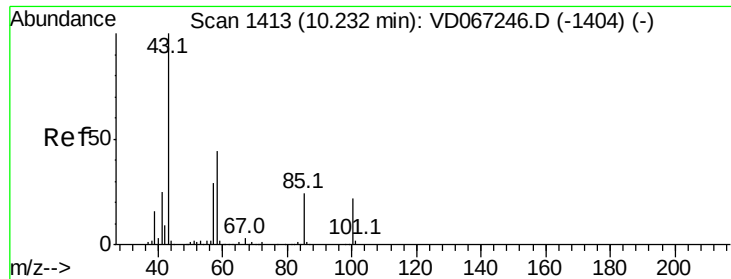
100 66.3 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

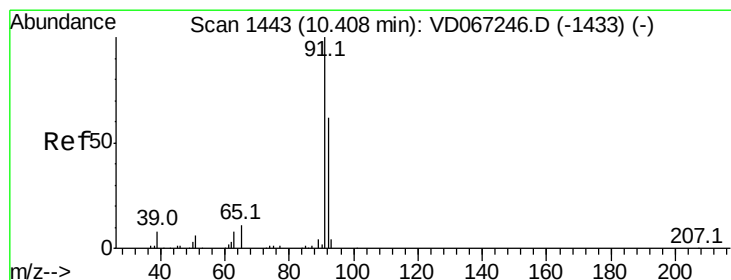
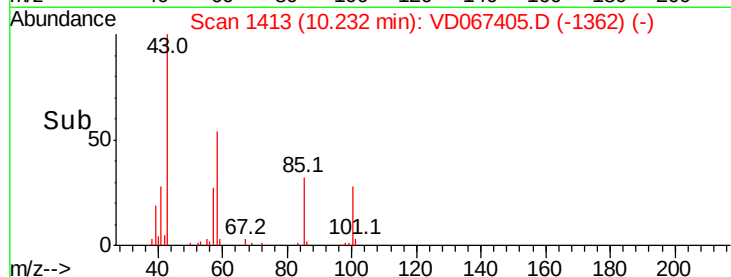
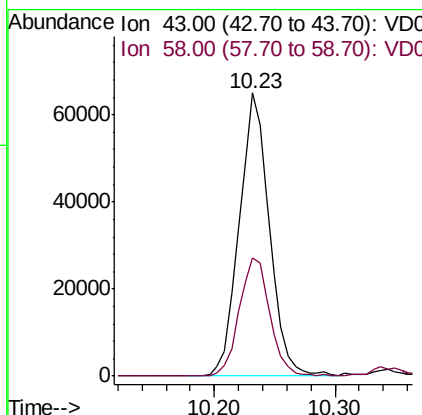
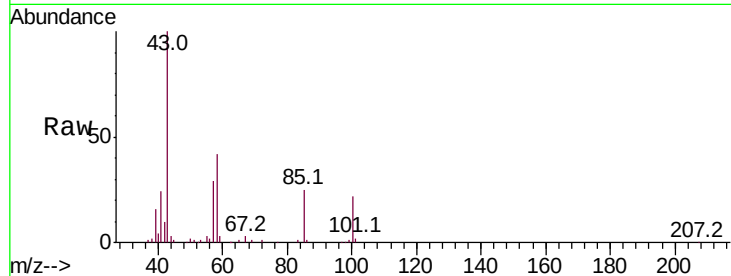




#51
4-Methyl-2-Pentanone
Concen: 102.907 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

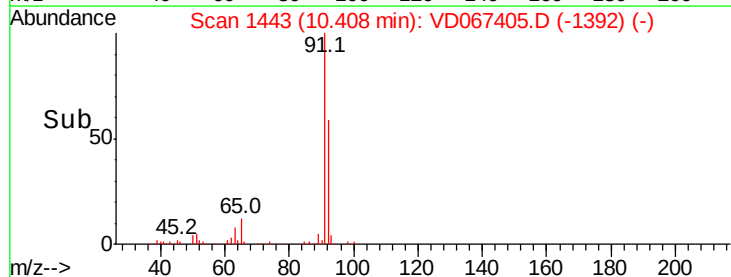
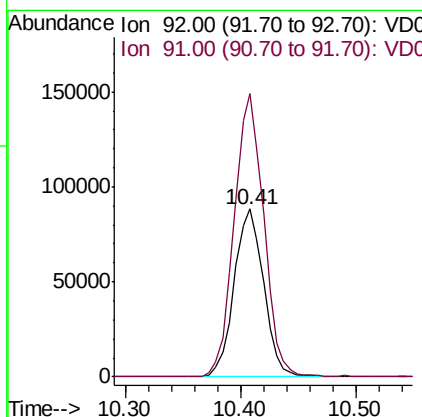
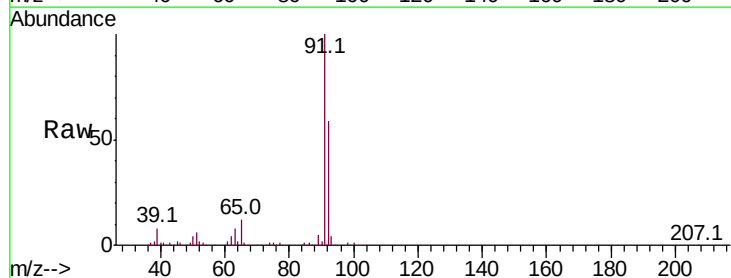
Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

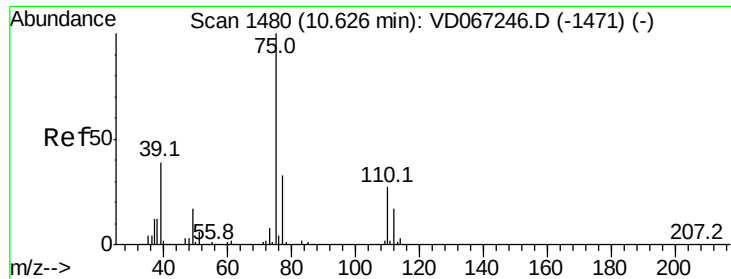
Tot Ion: 43 Resp: 113406
Ion Ratio Lower Upper
43 100
58 42.4 35.7 53.5



#52
Toluene
Concen: 22.106 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Tgt Ion: 92 Resp: 156326
Ion Ratio Lower Upper
92 100
91 169.3 133.8 200.8

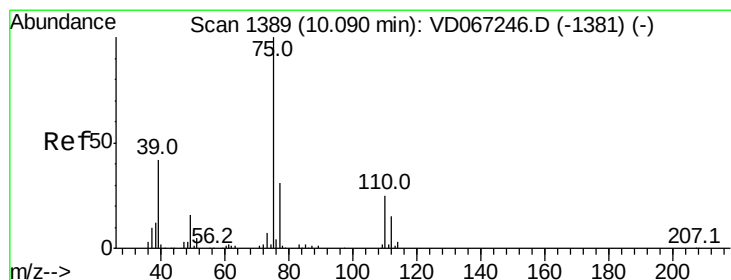
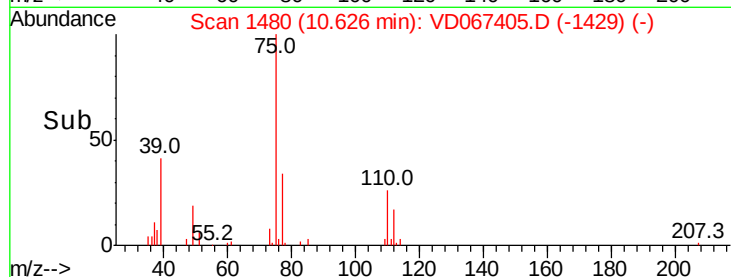
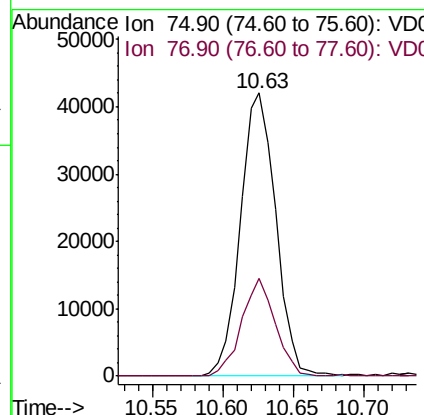
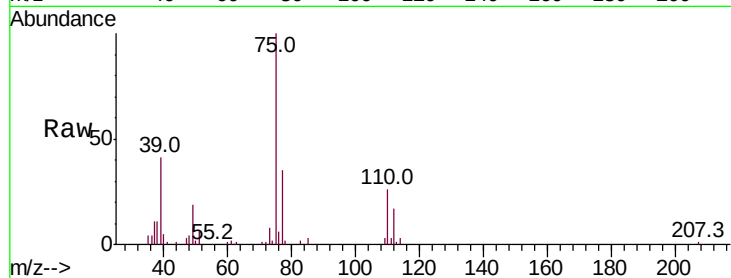




#53
t-1,3-Dichloropropene
Concen: 20.915 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

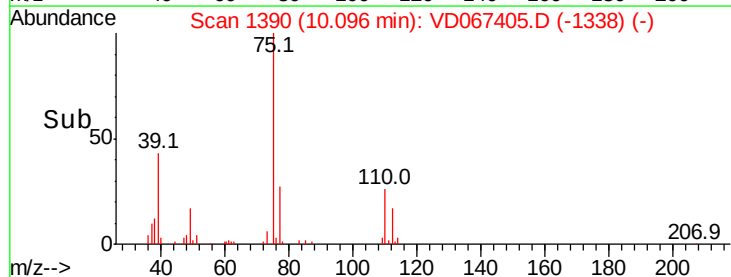
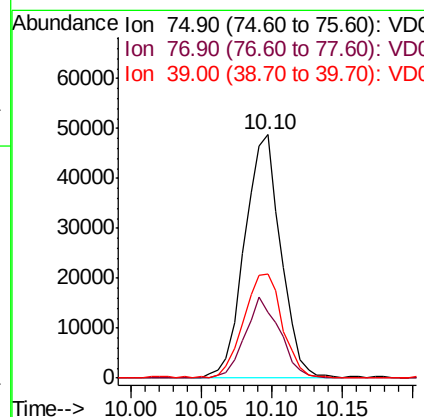
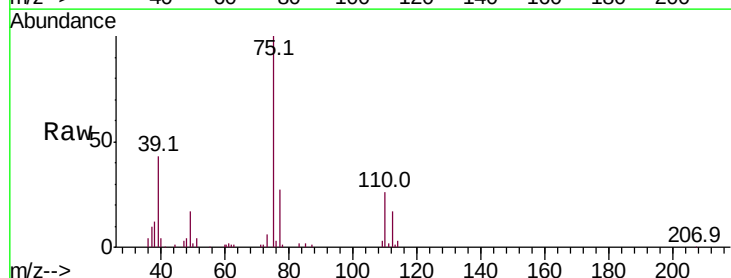
Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

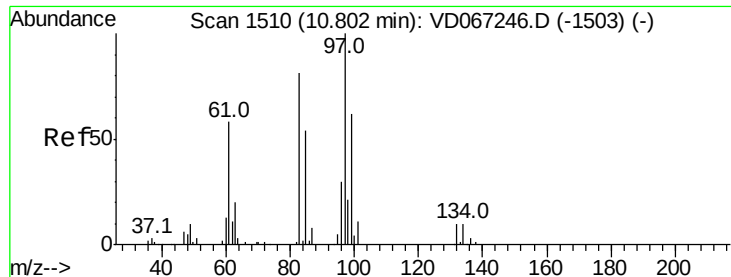
Tot Ion: 75 Resp: 73799
Ion Ratio Lower Upper
75 100
77 34.5 26.5 39.7



#54
cis-1,3-Dichloropropene
Concen: 21.268 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.01 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Tgt Ion: 75 Resp: 87826
Ion Ratio Lower Upper
75 100
77 27.0 24.5 36.7
39 42.3 33.7 50.5

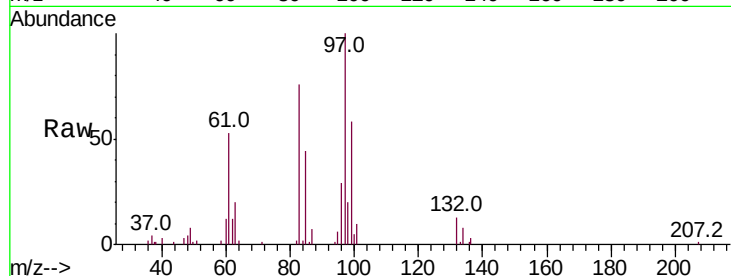




#55
 1,1,2-Trichloroethane
 Concen: 22.216 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD067405.D
 Acq: 27 Oct 2020 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1027SBS01

Tot Ion:	97	Resp:	45419
Ion	Ratio	Lower	Upper
97	100		
83	76.2	64.9	97.3
85	43.9	43.3	64.9
99	58.5	49.1	73.7



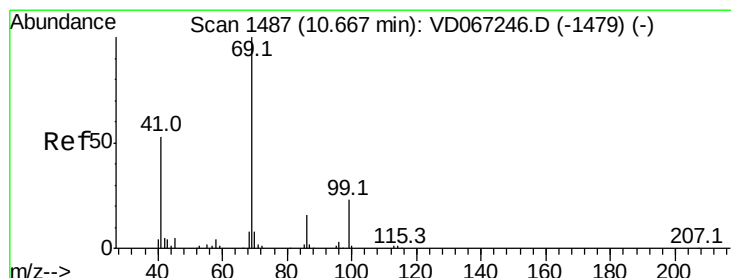
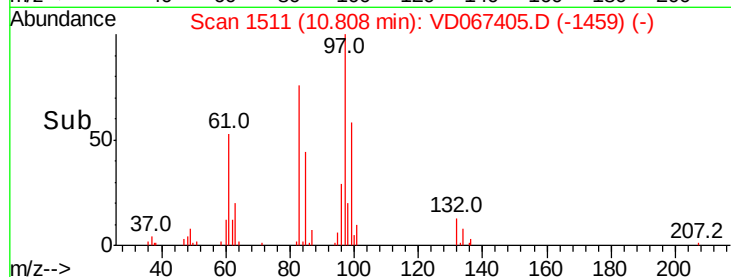
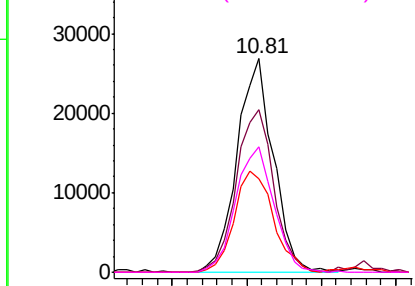
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

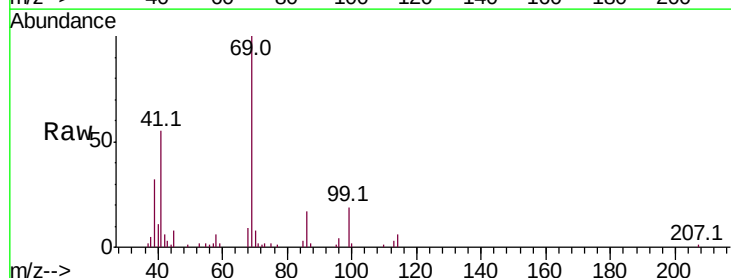
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 21.001 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD067405.D
 Acq: 27 Oct 2020 12:17

Tgt Ion:	69	Resp:	44527
Ion	Ratio	Lower	Upper
69	100		
41	55.0	44.7	67.1
39	31.8	26.2	39.2

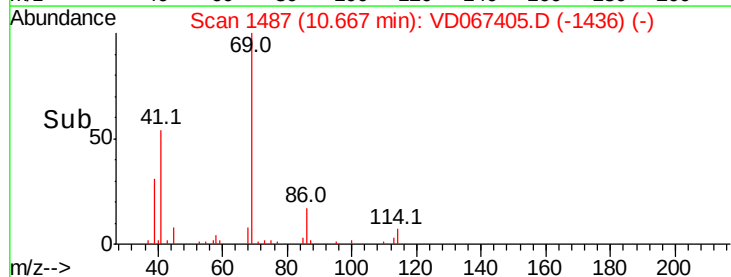
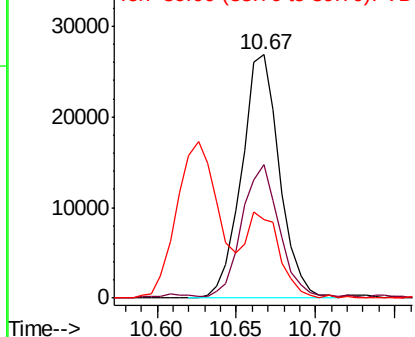


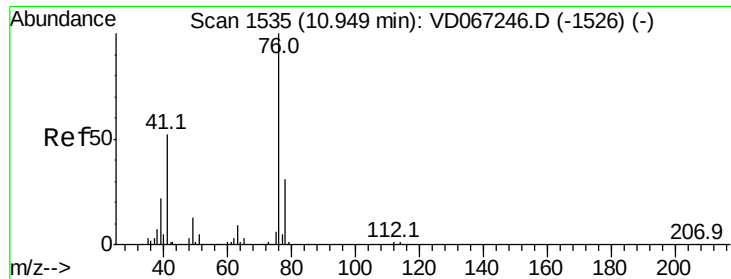
Abundance

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: 21.181 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

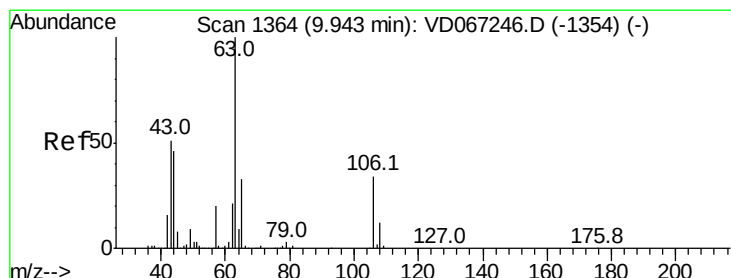
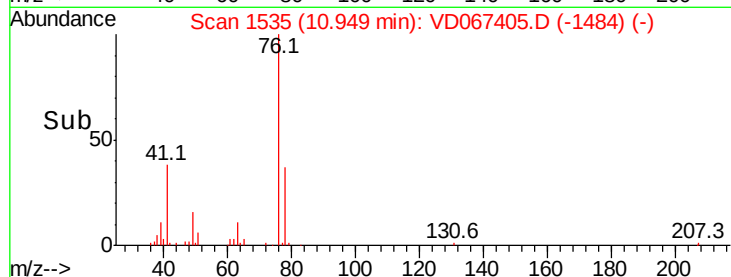
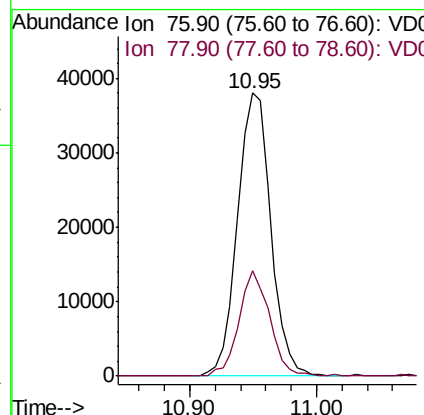
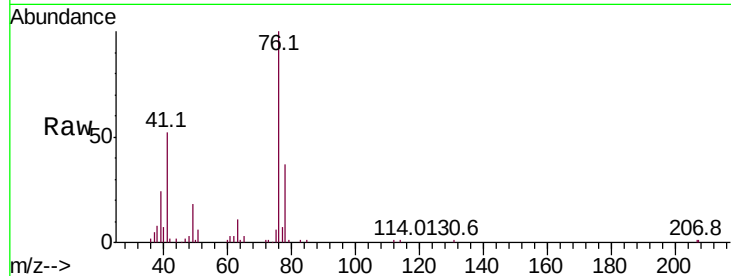
Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

Tot Ion: 76 Resp: 68913

Ion	Ratio	Lower	Upper
76	100		
78	34.4	26.8	40.2



#58

2-Chloroethyl Vinyl ether

Concen: 102.388 ug/l

RT: 9.95 min Scan# 1365

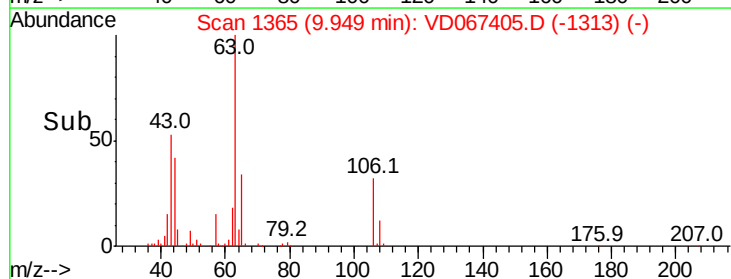
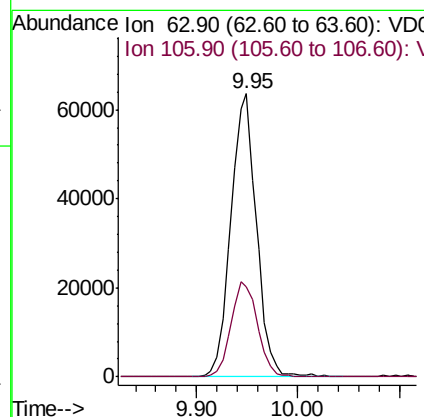
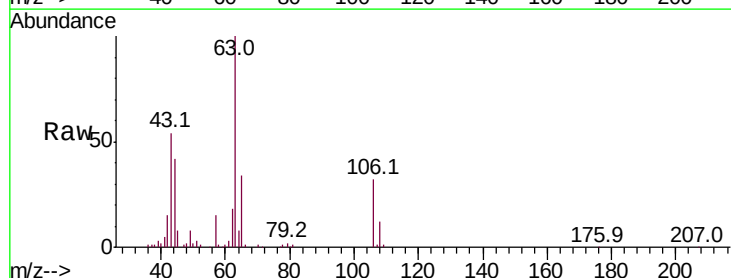
Delta R.T. 0.01 min

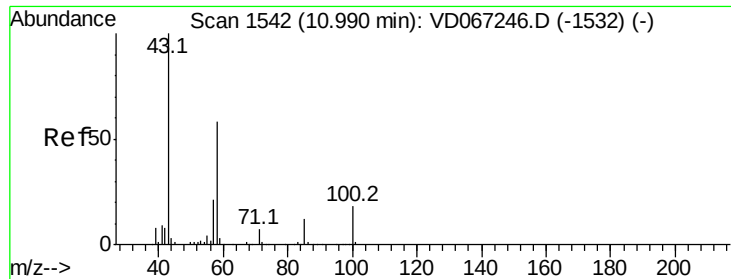
Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

Tgt Ion: 63 Resp: 111368

Ion	Ratio	Lower	Upper
63	100		
106	34.8	27.8	41.6

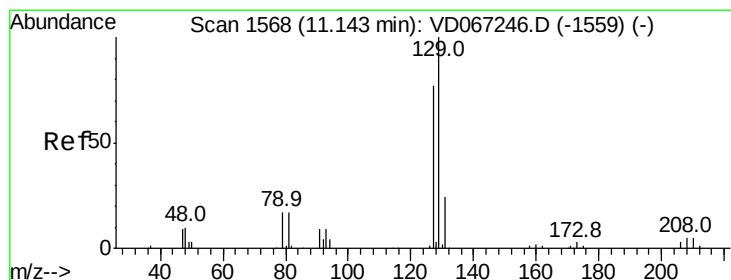
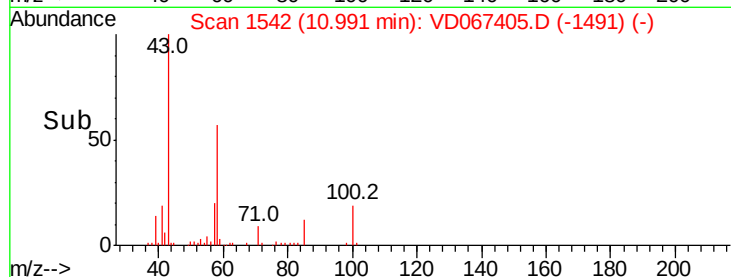
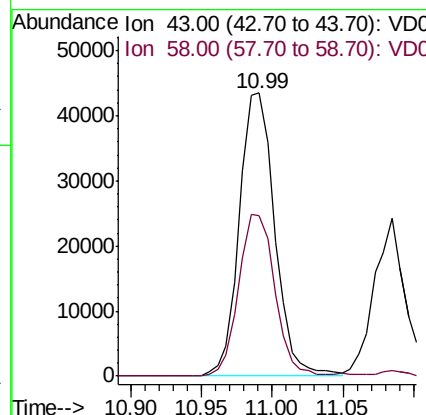
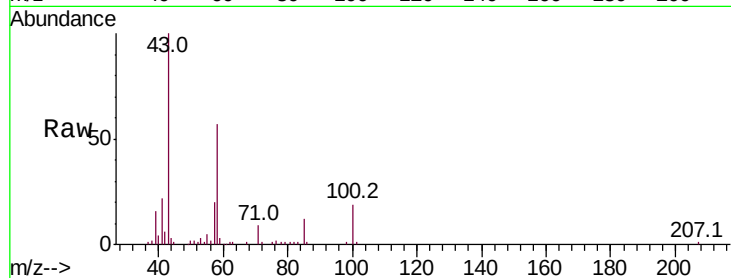




#59
2-Hexanone
Concen: 101.732 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

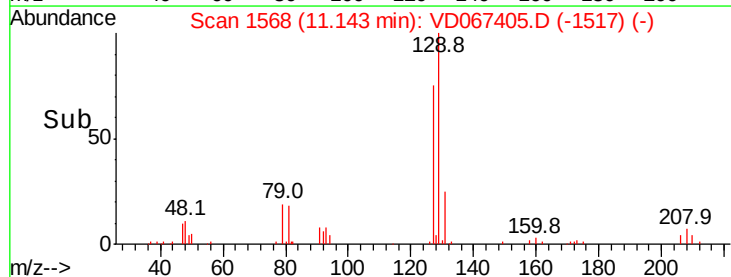
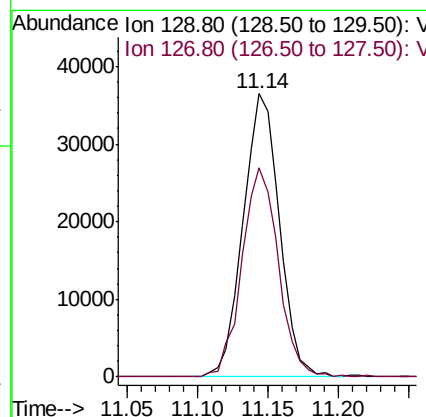
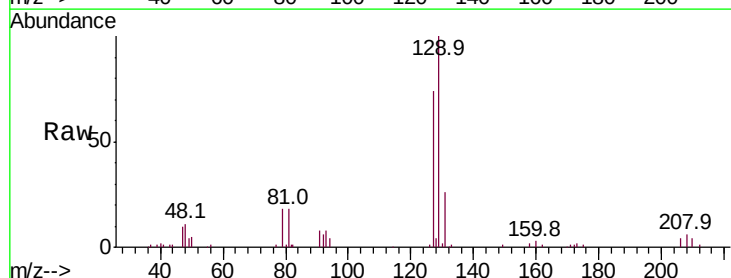
Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

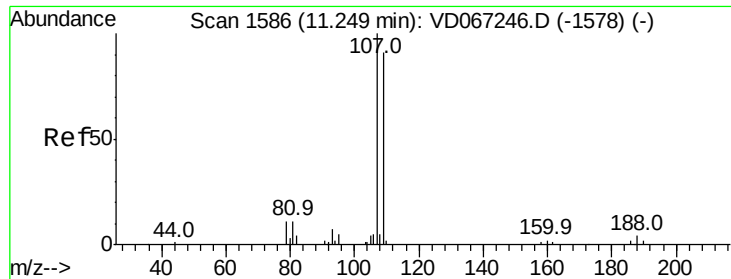
Tot Ion: 43 Resp: 76609
Ion Ratio Lower Upper
43 100
58 58.3 29.3 87.9



#60
Dibromochloromethane
Concen: 22.037 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Tgt Ion: 129 Resp: 65703
Ion Ratio Lower Upper
129 100
127 74.3 38.3 114.8





#61

1,2-Dibromoethane

Concen: 21.672 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

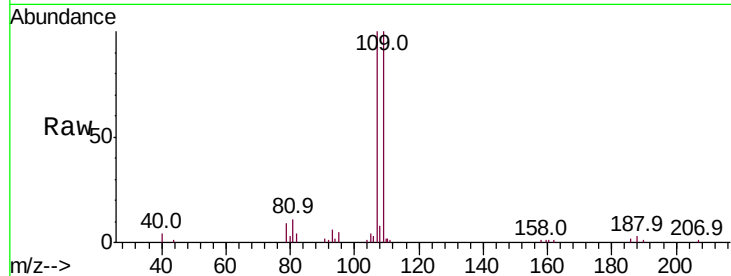
VD1027SBS01

Tot Ion:107 Resp: 43681

Ion Ratio Lower Upper

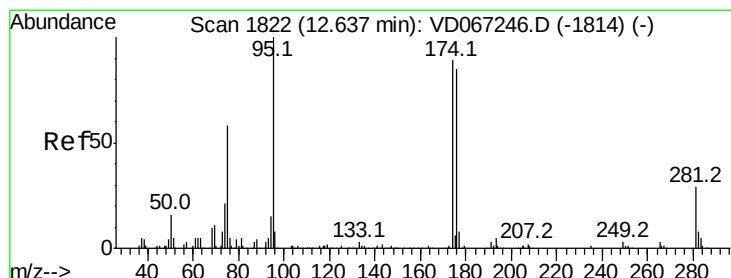
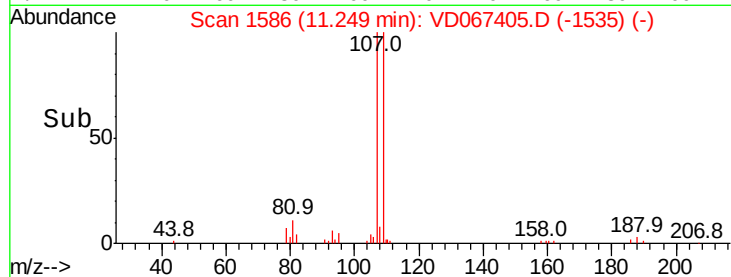
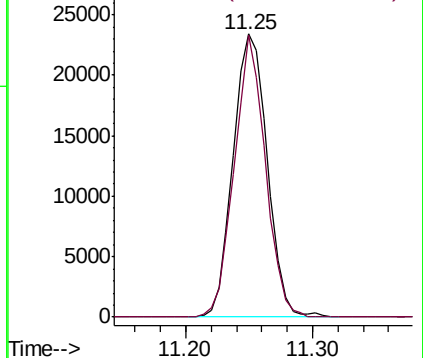
107 100

109 90.3 74.6 112.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.489 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

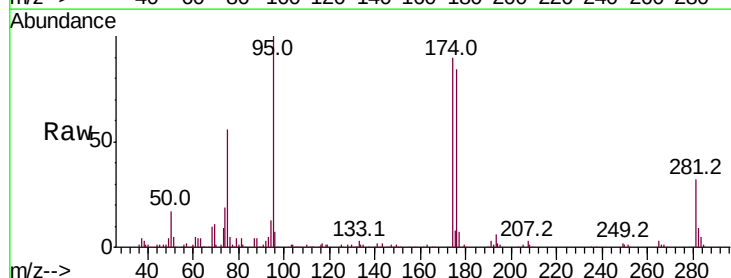
Tgt Ion: 95 Resp: 192541

Ion Ratio Lower Upper

95 100

174 87.0 0.0 175.2

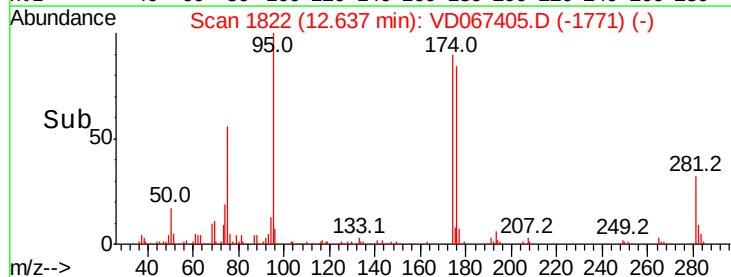
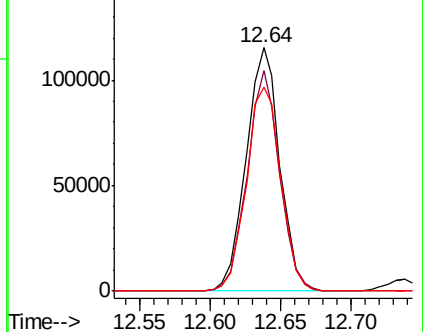
176 85.7 0.0 168.6

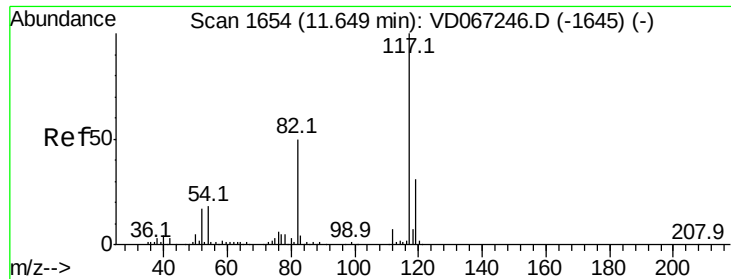


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

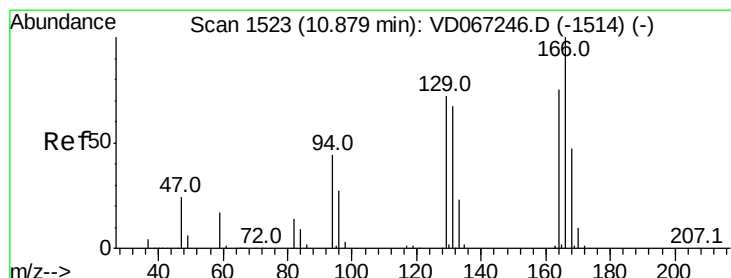
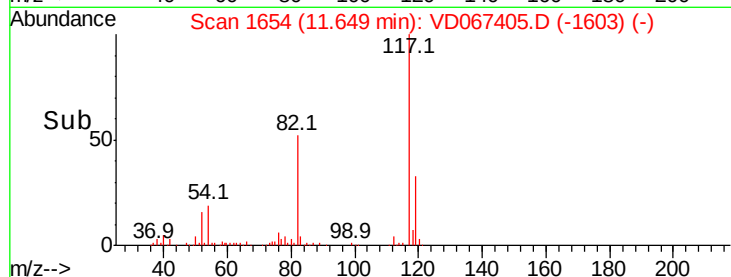
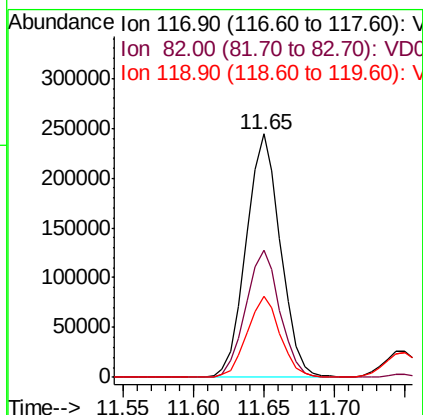
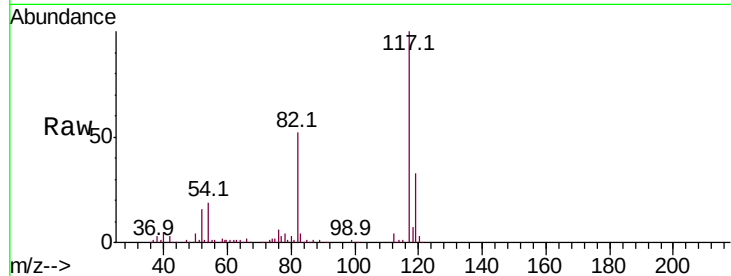




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

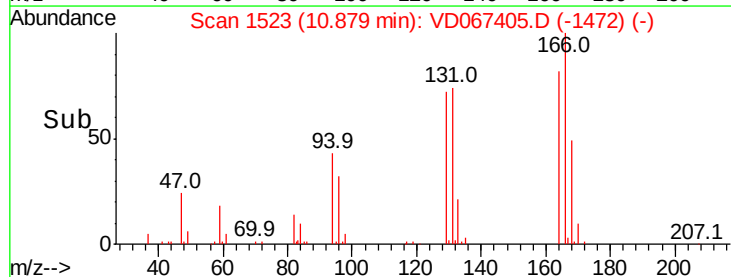
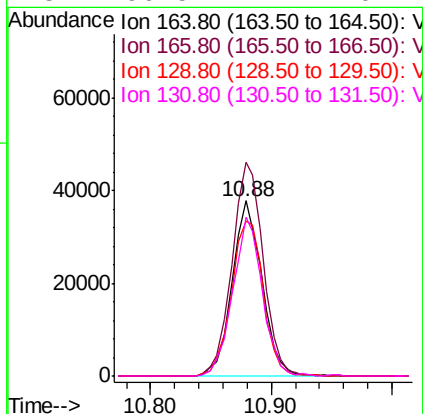
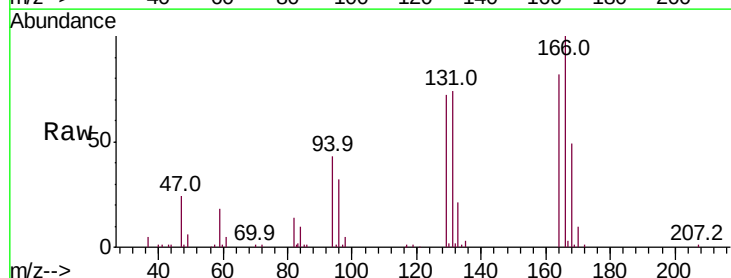
Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

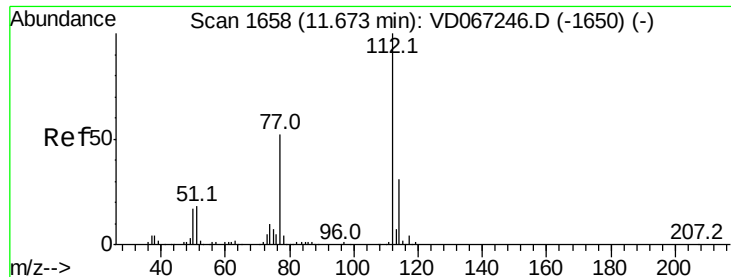
Tot Ion:117 Resp: 417238
Ion Ratio Lower Upper
117 100
82 52.0 39.9 59.9
119 33.1 24.9 37.3



#64
Tetrachloroethene
Concen: 21.465 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Tgt Ion:164 Resp: 64889
Ion Ratio Lower Upper
164 100
166 122.1 107.3 160.9
129 88.3 77.3 115.9
131 90.5 71.4 107.2

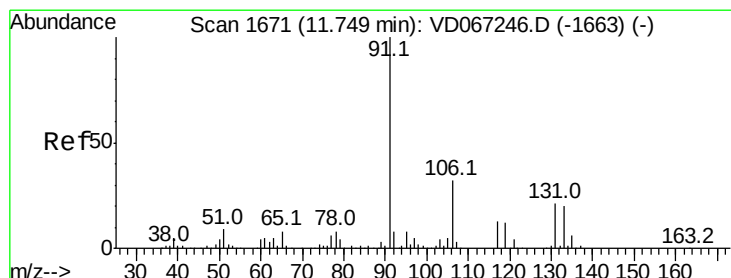
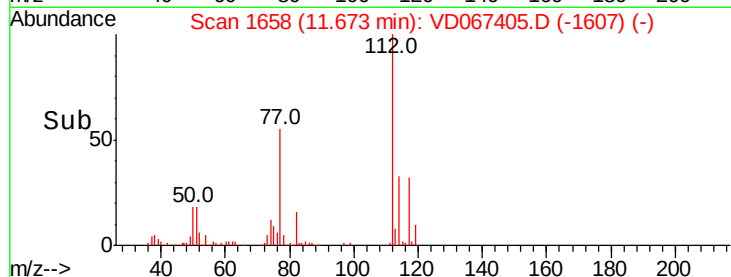
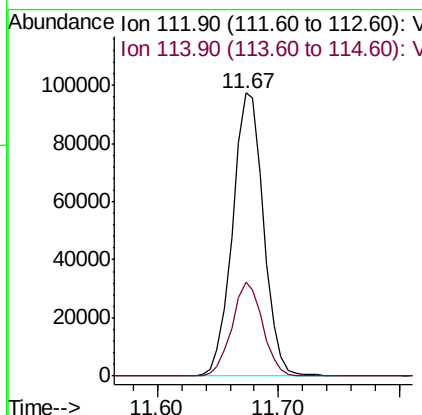
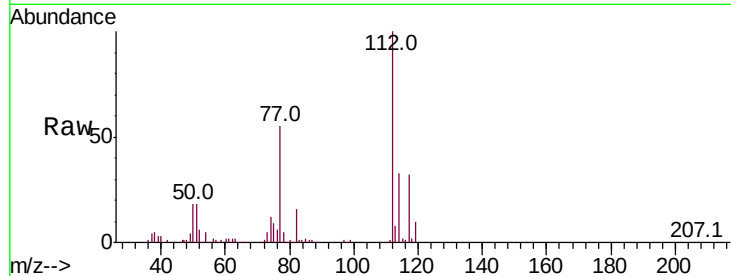




#65
Chlorobenzene
Concen: 21.757 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

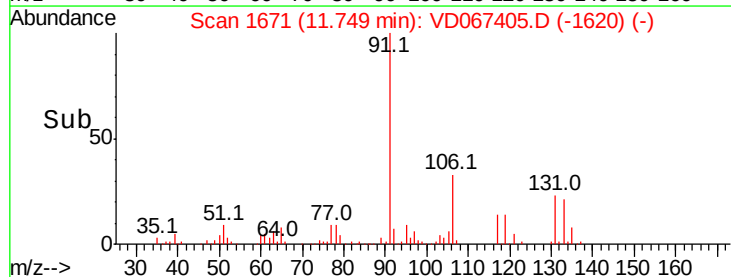
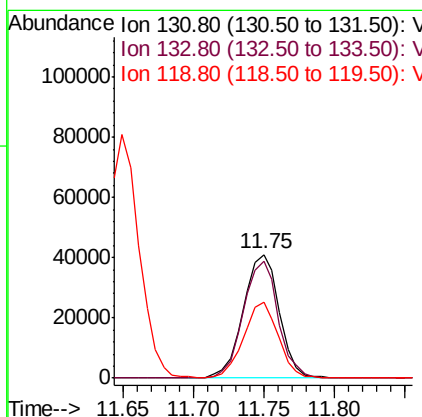
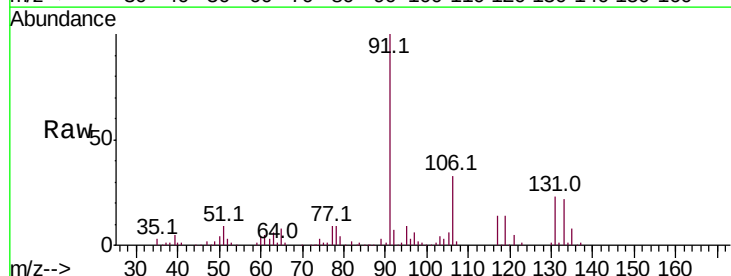
Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

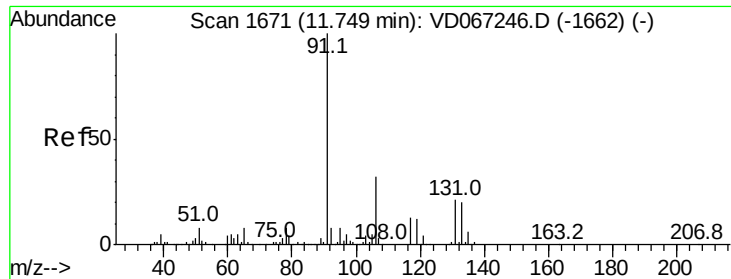
Tot Ion:112 Resp: 174078
Ion Ratio Lower Upper
112 100
114 33.1 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 22.977 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Tgt Ion:131 Resp: 73066
Ion Ratio Lower Upper
131 100
133 92.4 48.1 144.3
119 59.8 30.0 90.0

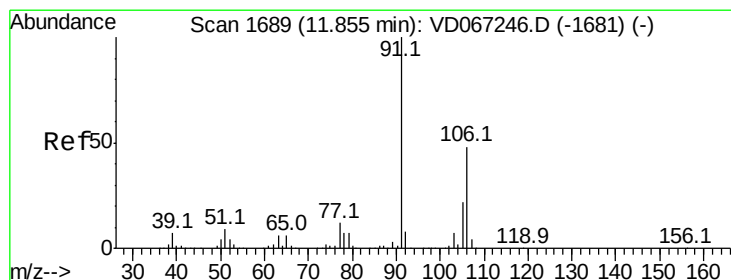
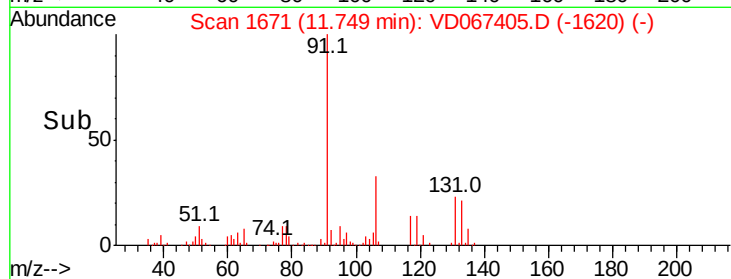
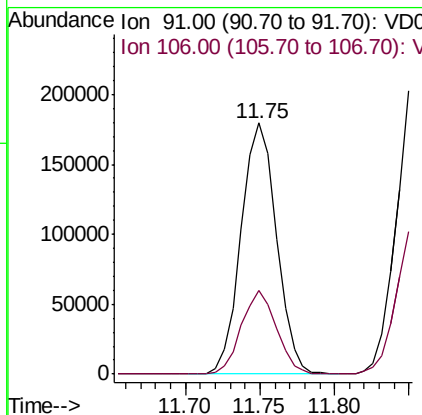
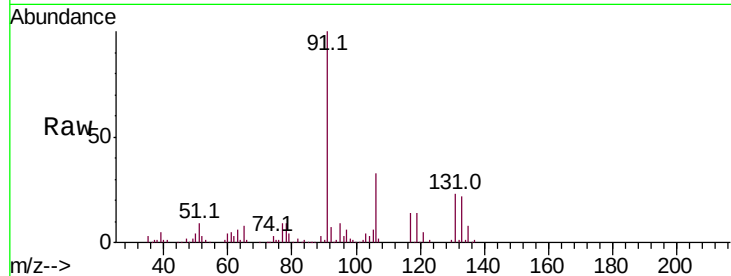




#67
Ethyl Benzene
Concen: 21.579 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

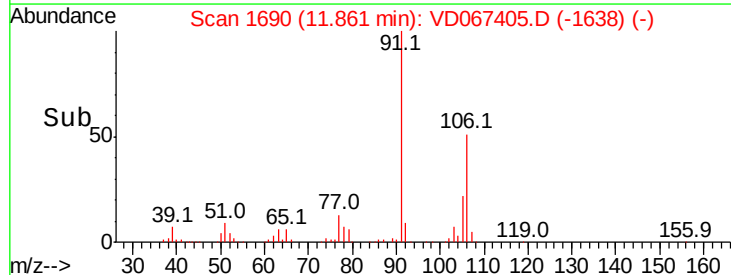
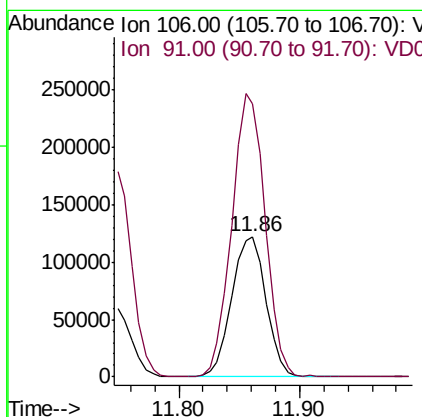
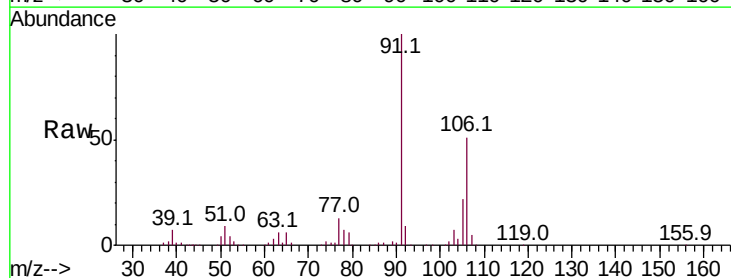
Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

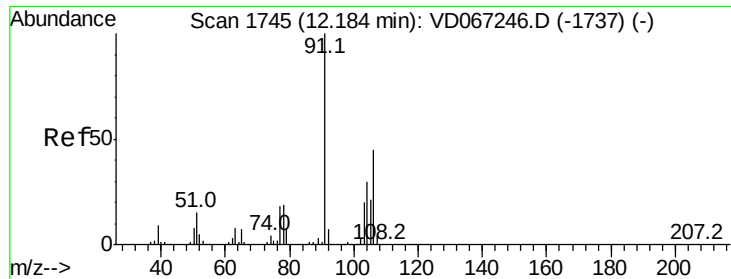
Tot Ion: 91 Resp: 295962
Ion Ratio Lower Upper
91 100
106 33.2 25.4 38.0



#68
m/p-Xylenes
Concen: 45.719 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Tgt Ion: 106 Resp: 241467
Ion Ratio Lower Upper
106 100
91 196.6 163.8 245.8

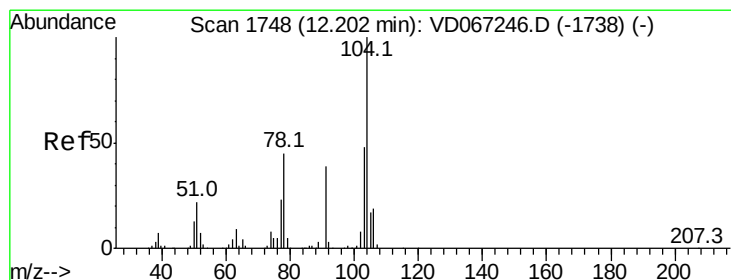
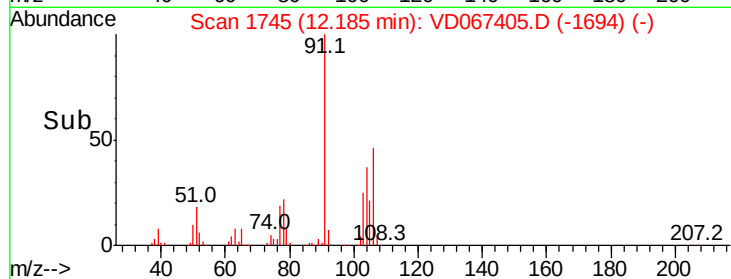
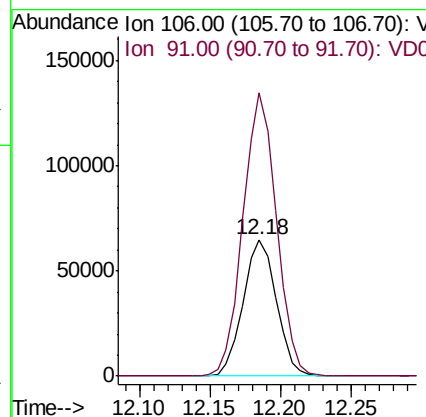
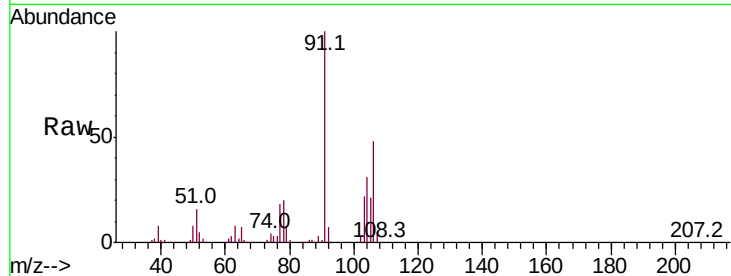




#69
o-Xylene
Concen: 21.957 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

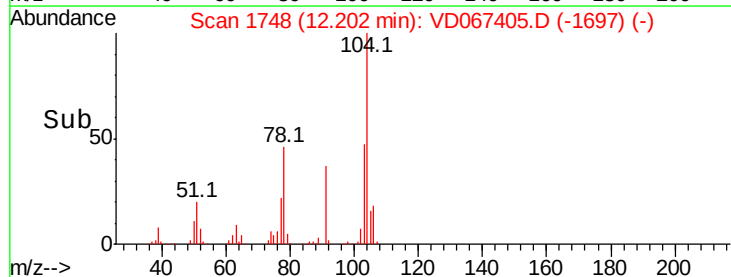
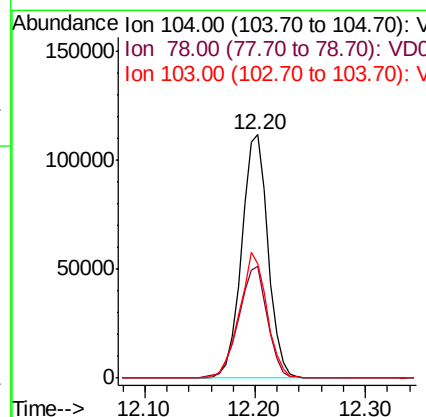
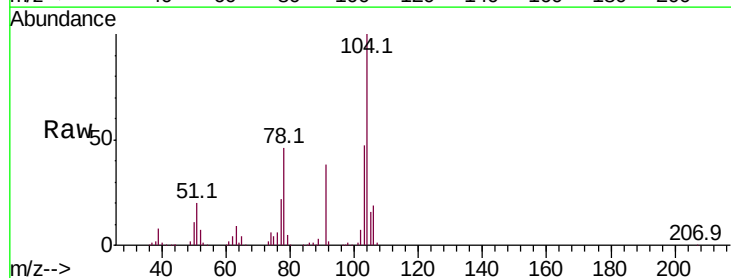
Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

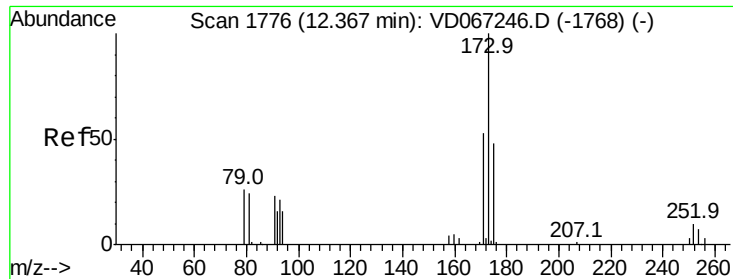
Tot Ion:106 Resp: 107385
Ion Ratio Lower Upper
106 100
91 208.6 109.1 327.3



#70
Styrene
Concen: 22.307 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Tgt Ion:104 Resp: 187808
Ion Ratio Lower Upper
104 100
78 49.7 39.8 59.6
103 53.3 42.6 64.0

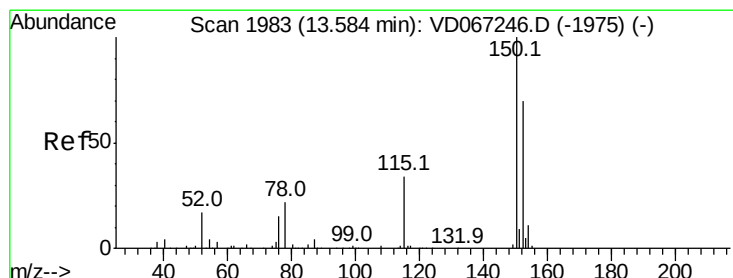
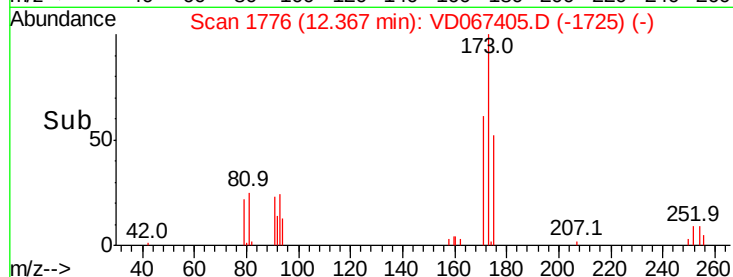
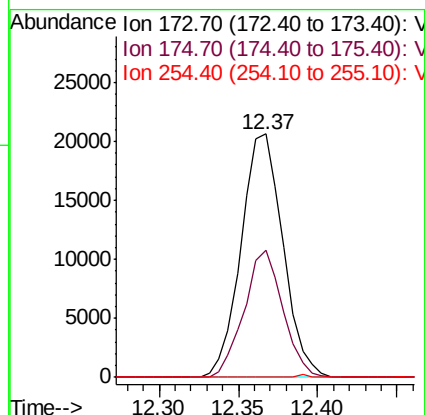
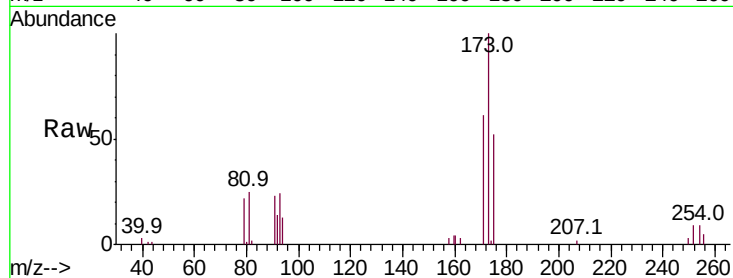




#71
Bromoform
Concen: 22.162 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

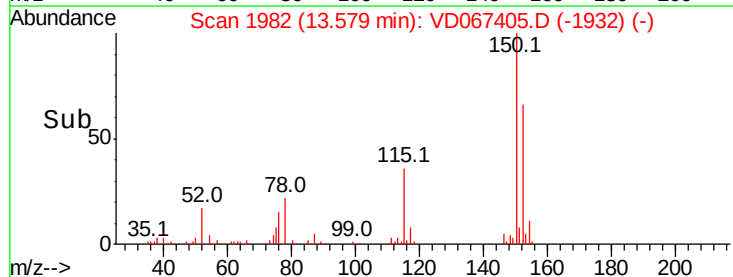
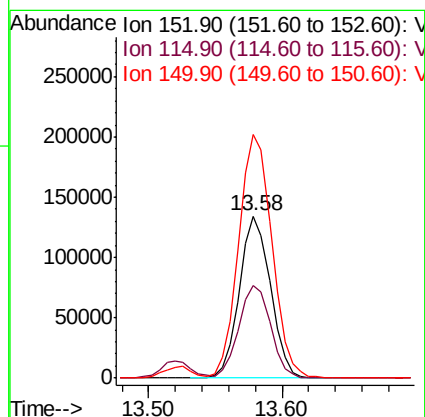
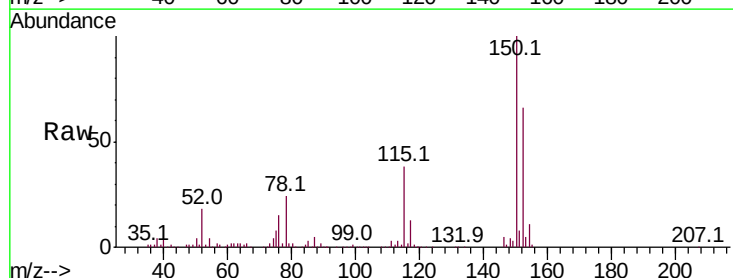
Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

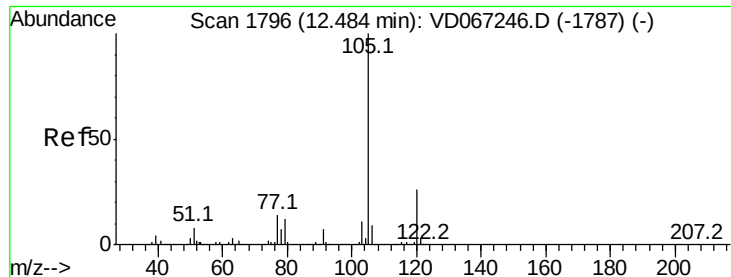
Tot Ion:173 Resp: 37860
Ion Ratio Lower Upper
173 100
175 48.3 24.2 72.6
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Tgt Ion:152 Resp: 216662
Ion Ratio Lower Upper
152 100
115 58.5 29.3 87.9
150 160.8 0.0 339.0





#73

Isopropylbenzene

Concen: 21.975 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

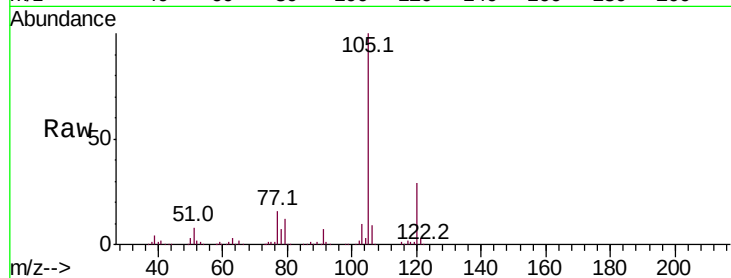
VD1027SBS01

Tot Ion:105 Resp: 302179

Ion Ratio Lower Upper

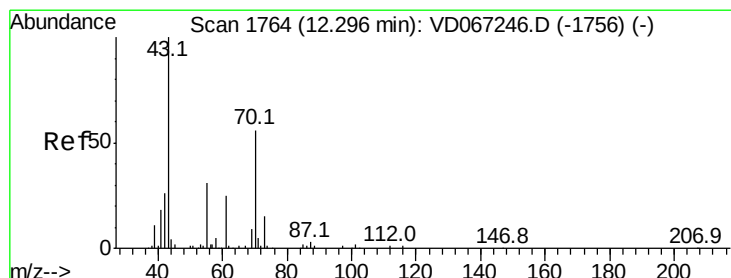
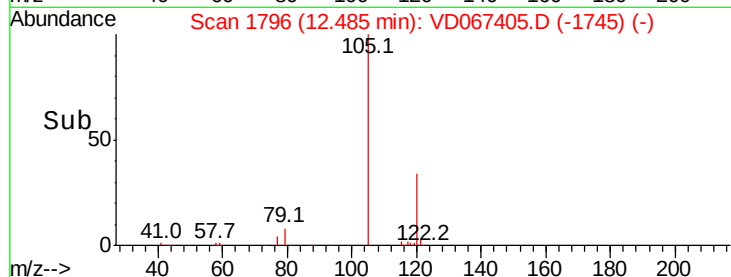
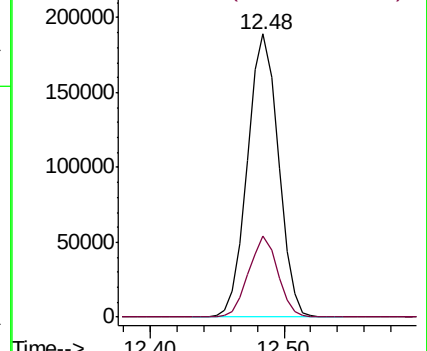
105 100

120 27.3 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-amyl acetate

Concen: 20.633 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

Tgt Ion: 43 Resp: 42851

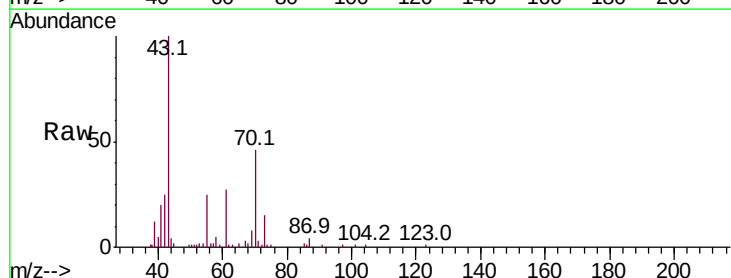
Ion Ratio Lower Upper

43 100

70 47.6 42.7 64.1

55 28.6 24.0 36.0

61 27.0 22.2 33.4

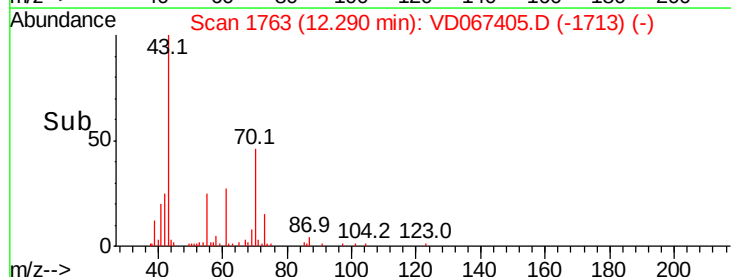
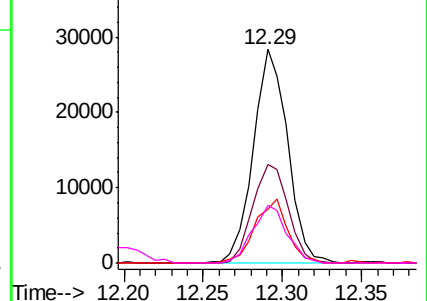


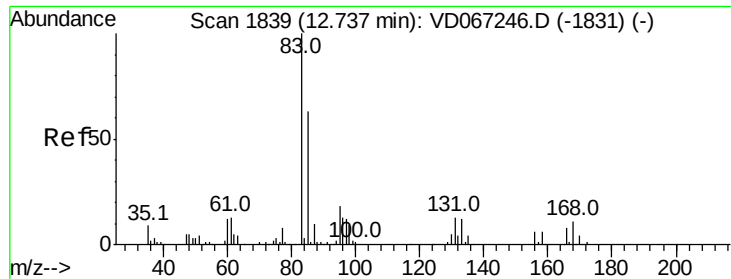
Abundance Ion 43.00 (42.70 to 43.70): VDC

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: 20.421 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1027SBS01

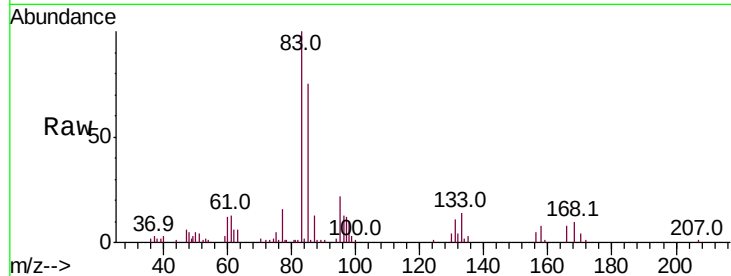
Tot Ion: 83 Resp: 43026

Ion Ratio Lower Upper

83 100

131 13.4 6.5 19.5

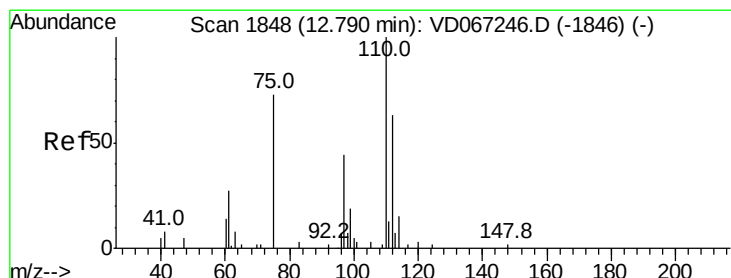
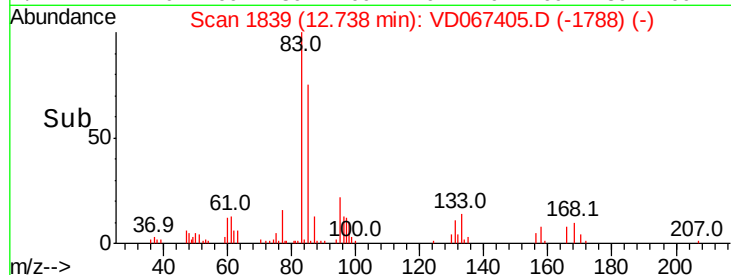
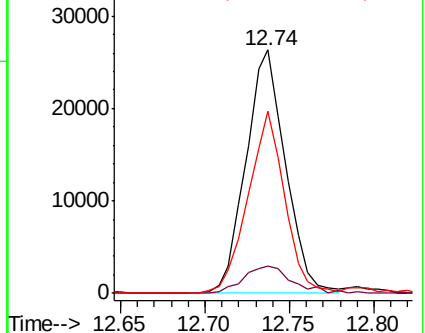
85 69.2 32.6 97.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 39.693 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD067405.D

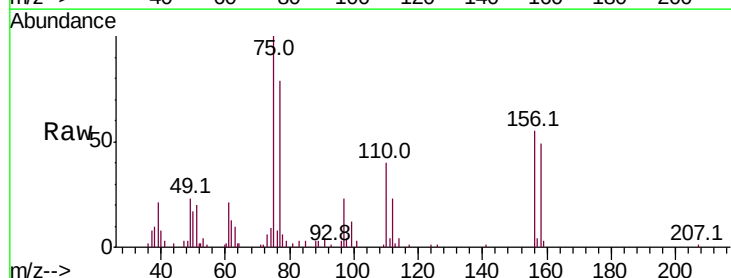
Acq: 27 Oct 2020 12:17

Tgt Ion: 75 Resp: 59606

Ion Ratio Lower Upper

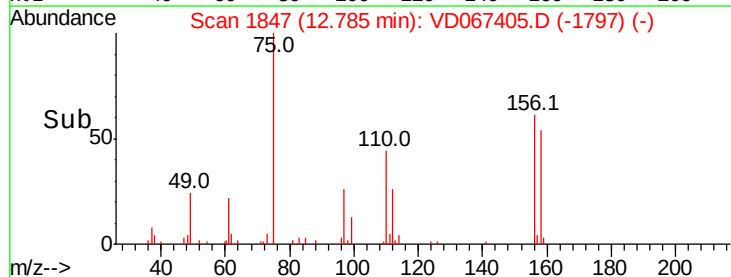
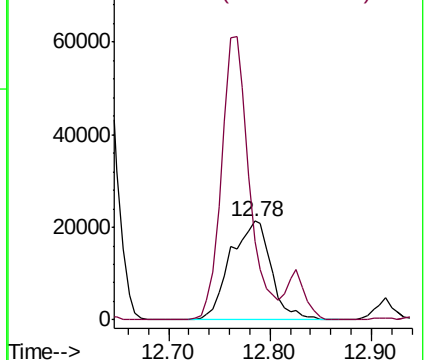
75 100

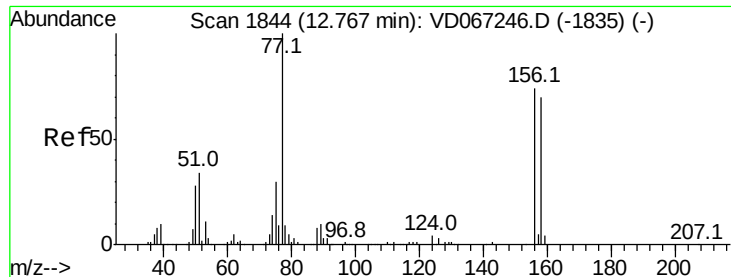
77 195.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 21.727 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1027SBS01

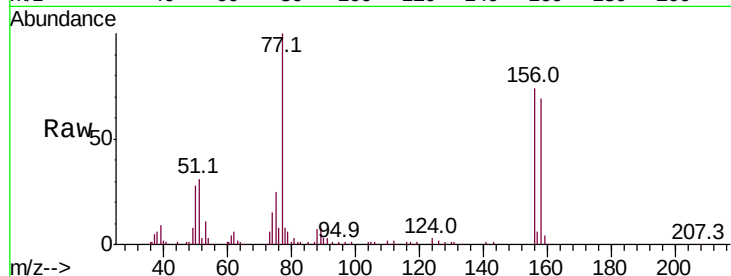
Tot Ion:156 Resp: 74486

Ion Ratio Lower Upper

156 100

77 156.6 78.0 233.8

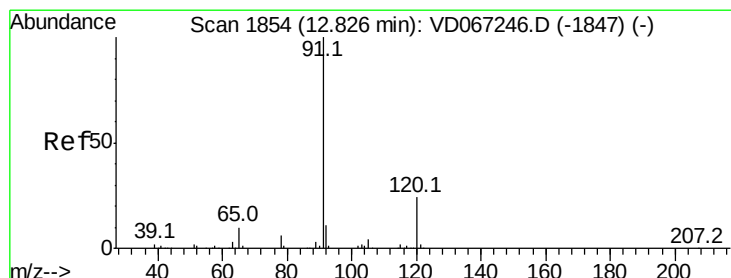
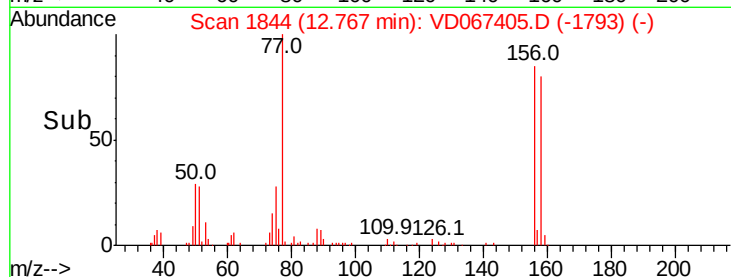
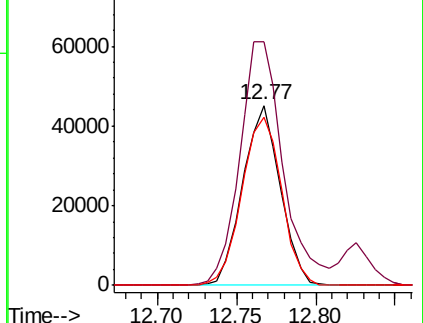
158 99.0 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.728 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067405.D

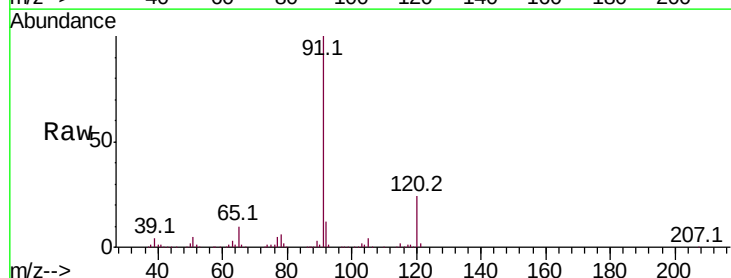
Acq: 27 Oct 2020 12:17

Tgt Ion: 91 Resp: 346167

Ion Ratio Lower Upper

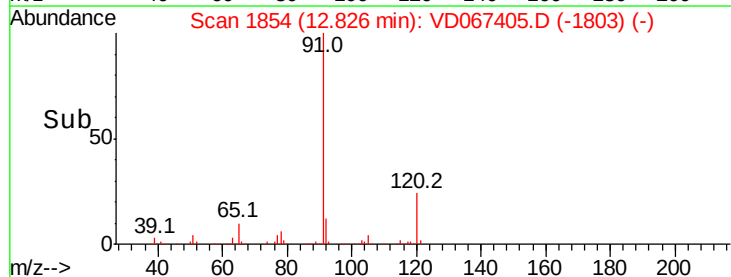
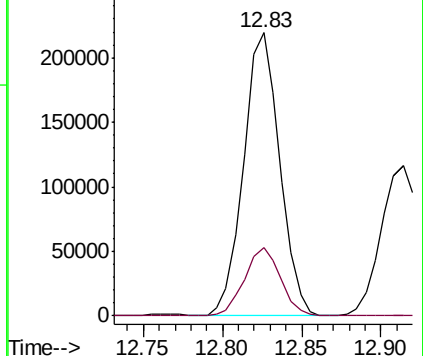
91 100

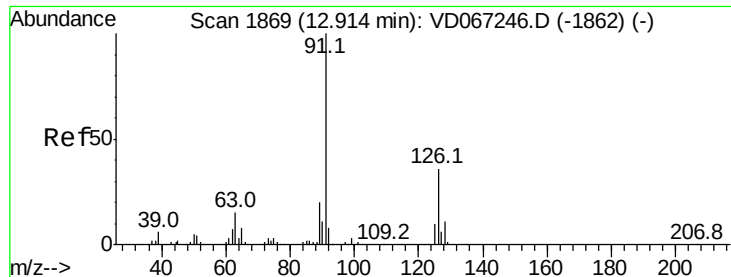
120 24.0 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.463 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

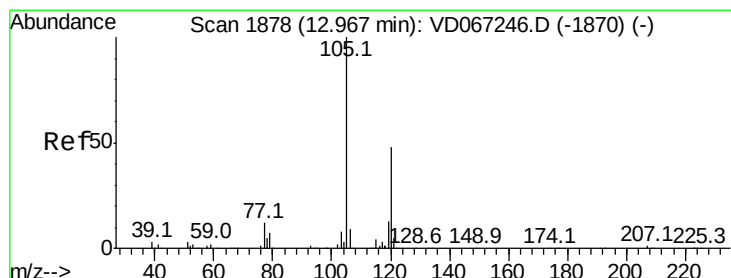
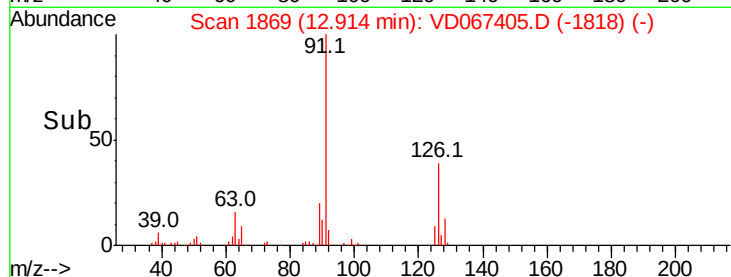
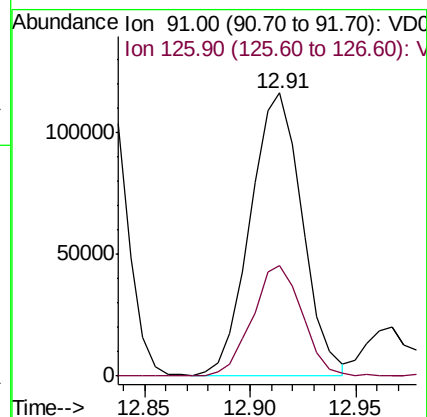
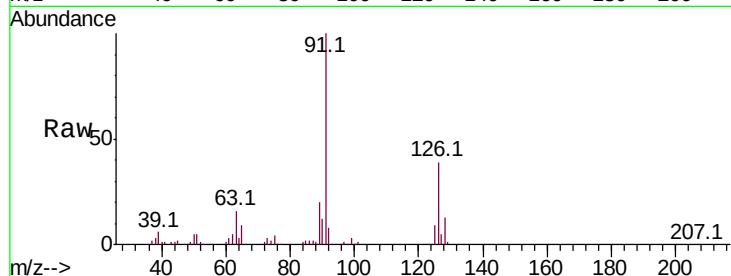
VD1027SBS01

Tot Ion: 91 Resp: 198301

Ion Ratio Lower Upper

91 100

126 37.8 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 22.047 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.01 min

Lab File: VD067405.D

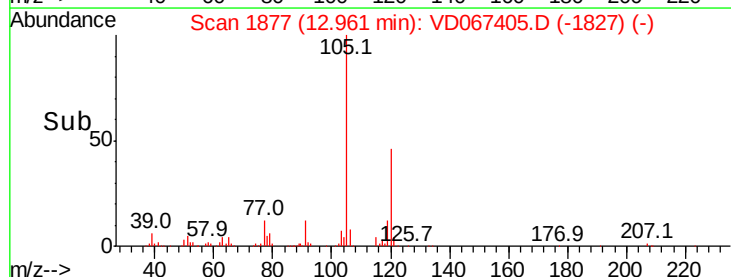
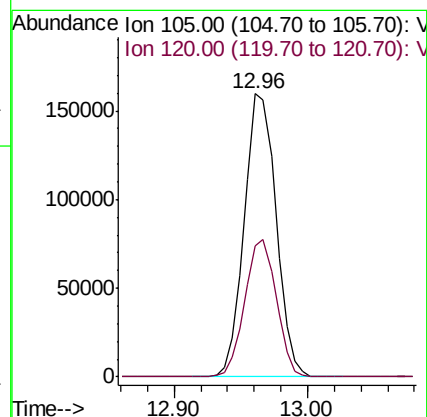
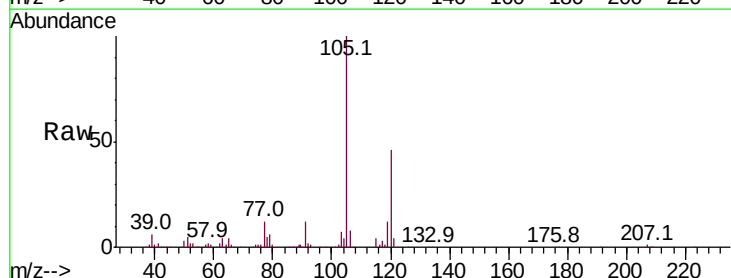
Acq: 27 Oct 2020 12:17

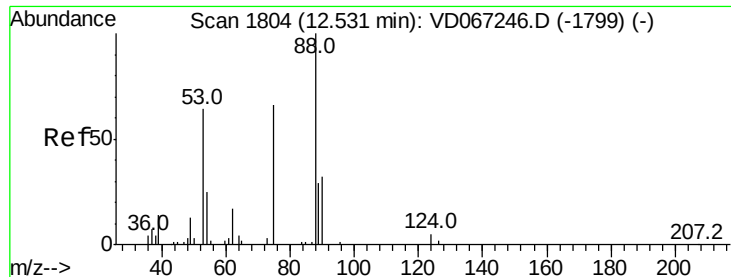
Tgt Ion:105 Resp: 263449

Ion Ratio Lower Upper

105 100

120 48.0 24.3 72.8

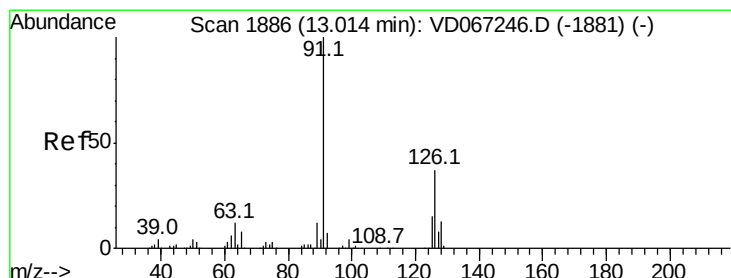
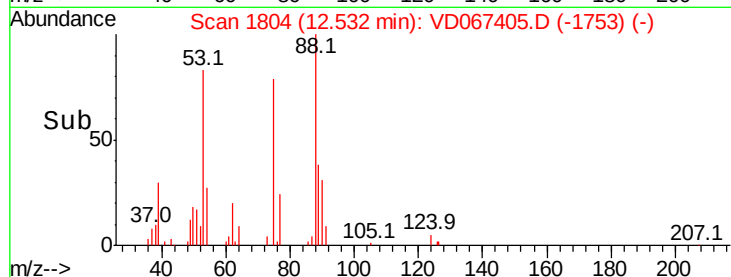
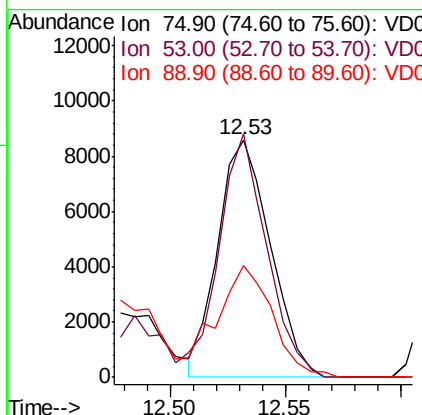
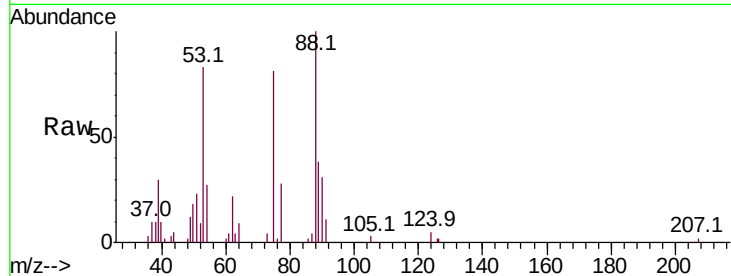




#81
trans-1,4-Dichloro-2-butene
Concen: 20.532 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

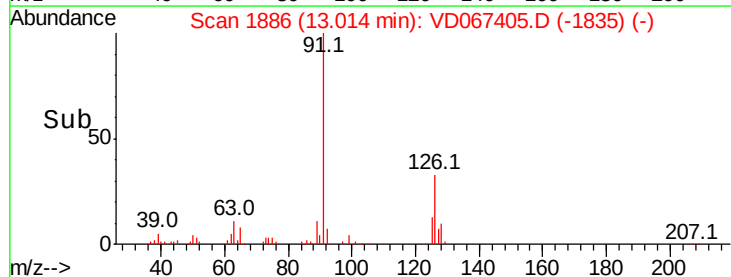
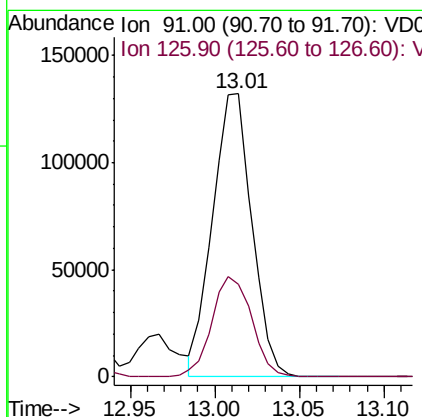
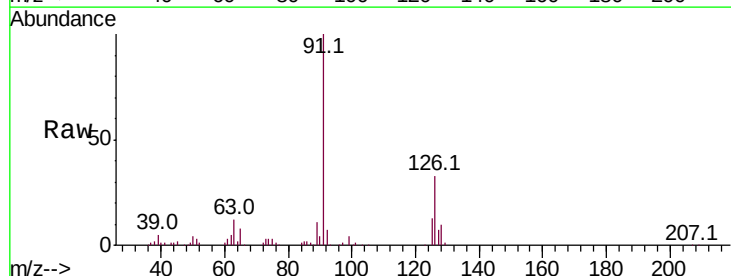
Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

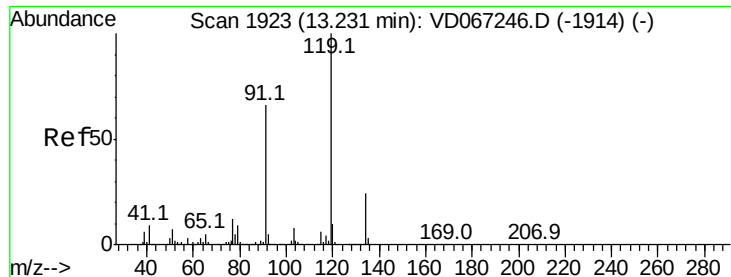
Tot Ion: 75 Resp: 13596
Ion Ratio Lower Upper
75 100
53 94.0 78.5 117.7
89 51.2 39.9 59.9



#82
4-Chlorotoluene
Concen: 21.884 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Tgt Ion: 91 Resp: 214601
Ion Ratio Lower Upper
91 100
126 36.1 17.8 53.5





#83

tert-Butylbenzene

Concen: 22.457 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.01 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1027SBS01

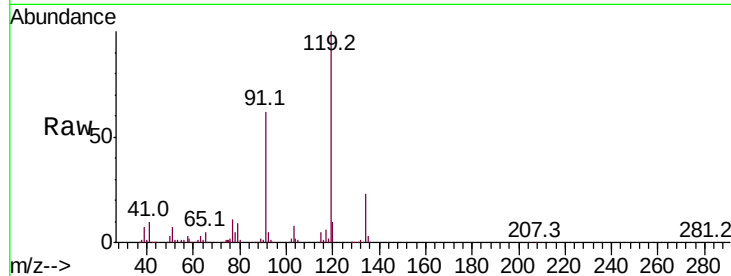
Tot Ion:119 Resp: 226673

Ion Ratio Lower Upper

119 100

91 63.0 33.1 99.2

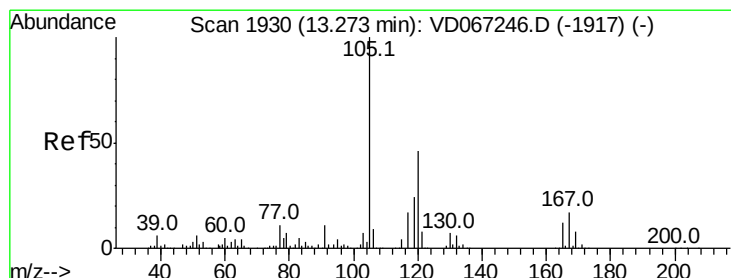
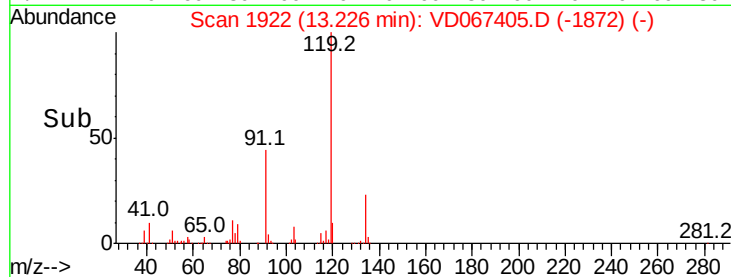
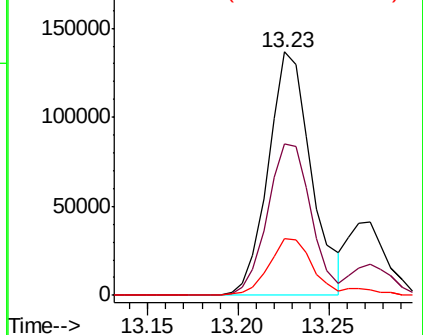
134 25.5 13.3 39.9



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: 22.260 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VD067405.D

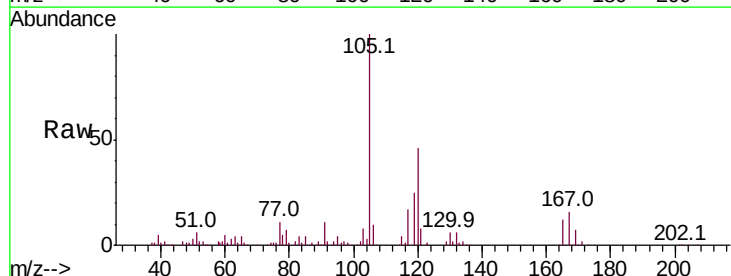
Acq: 27 Oct 2020 12:17

Tgt Ion:105 Resp: 262898

Ion Ratio Lower Upper

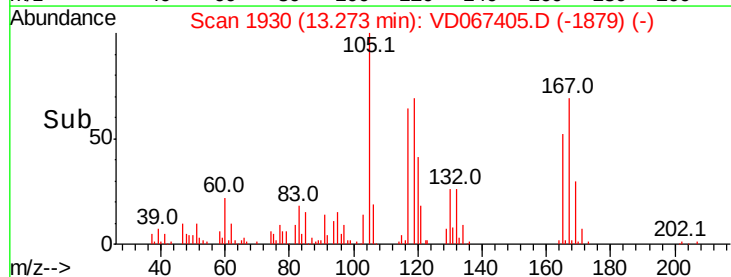
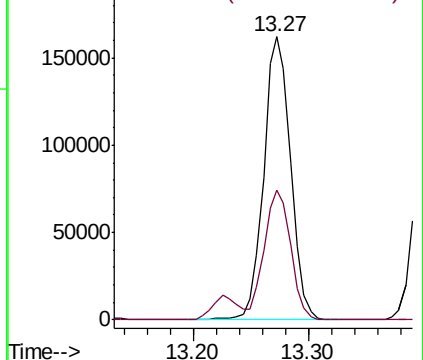
105 100

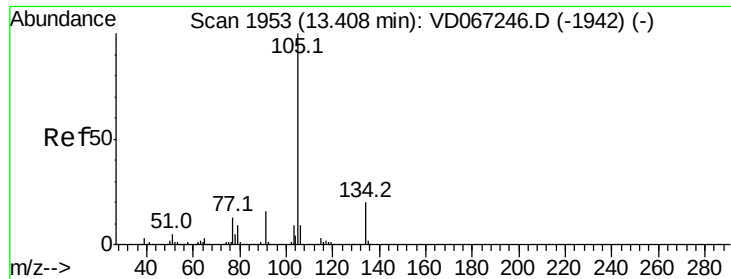
120 45.8 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

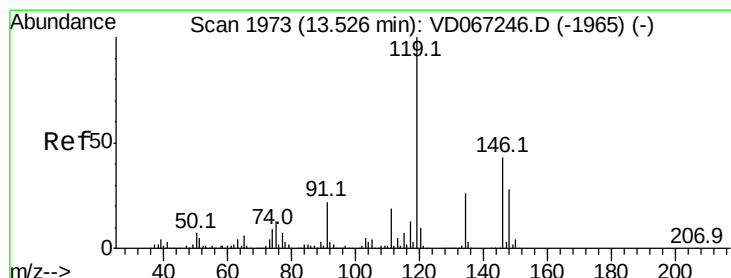
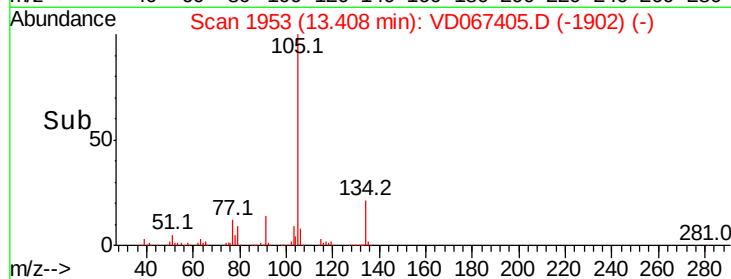
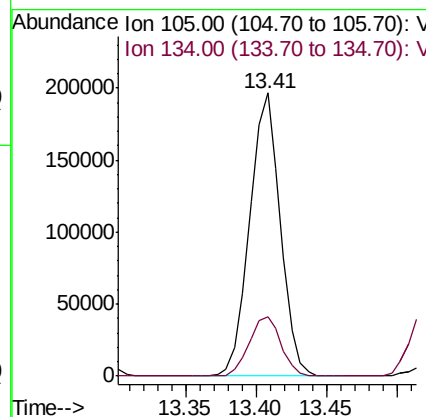
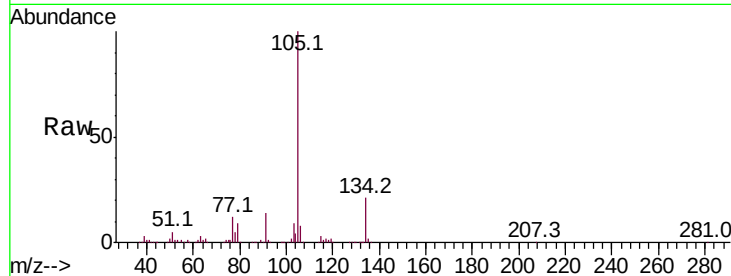




#85
 sec-Butylbenzene
 Concen: 21.578 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067405.D
 Acq: 27 Oct 2020 12:17

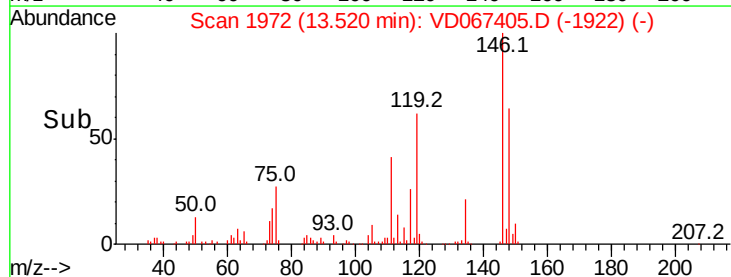
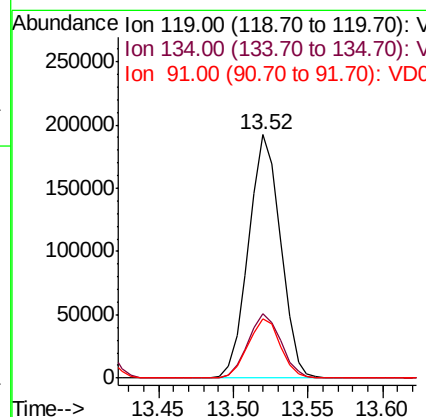
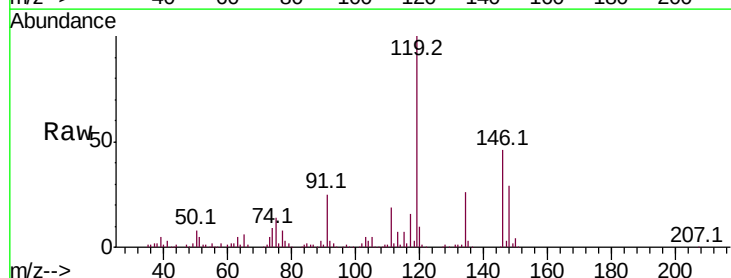
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1027SBS01

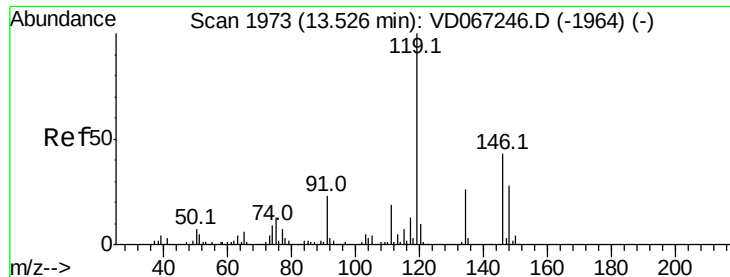
Tot Ion:105 Resp: 298866
 Ion Ratio Lower Upper
 105 100
 134 21.9 10.5 31.5



#86
 p-Isopropyltoluene
 Concen: 21.825 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067405.D
 Acq: 27 Oct 2020 12:17

Tgt Ion:119 Resp: 285312
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.1 39.3
 91 24.7 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 22.221 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

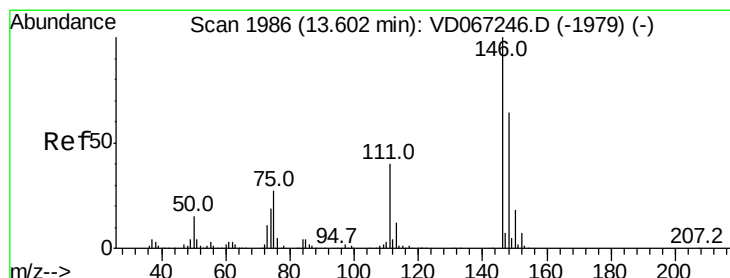
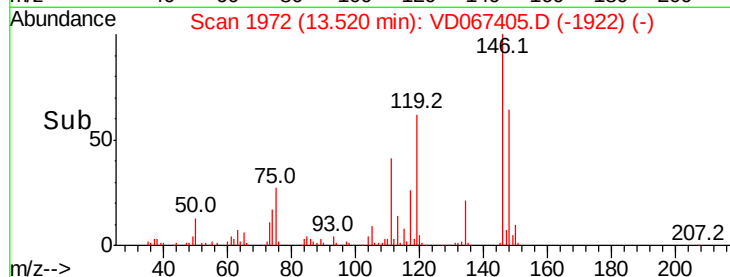
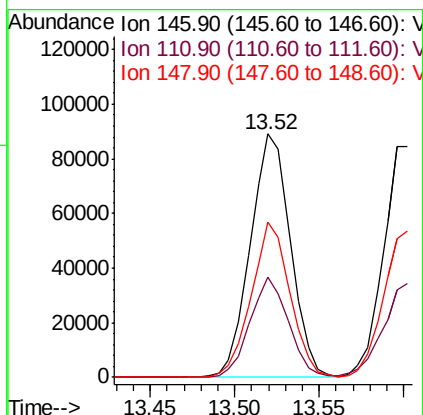
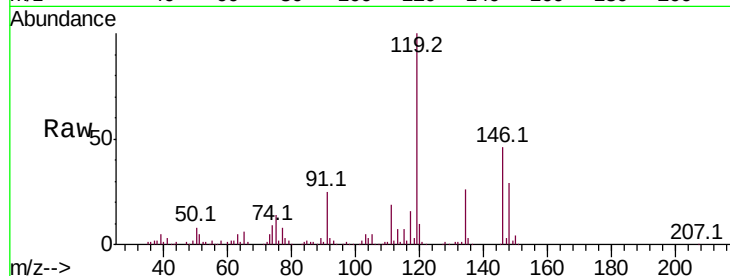
Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

Tot Ion:146 Resp: 146629

Ion	Ratio	Lower	Upper
146	100		
111	39.7	21.1	63.3
148	61.6	31.9	95.9



#88

1,4-Dichlorobenzene

Concen: 22.033 ug/l

RT: 13.60 min Scan# 1985

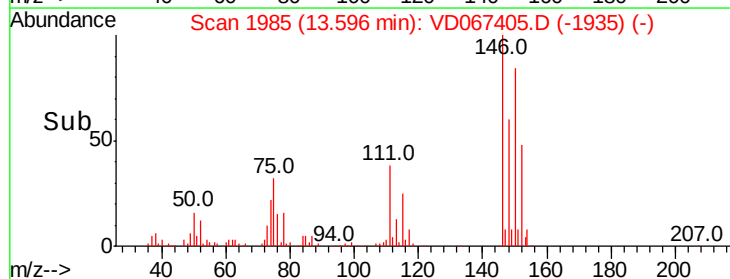
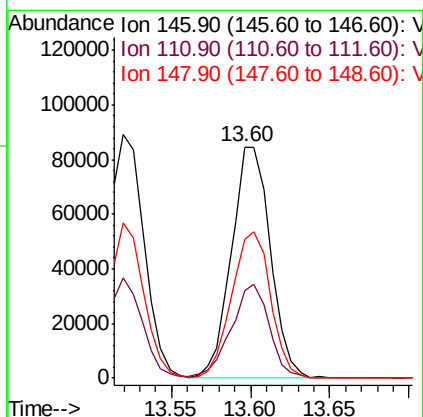
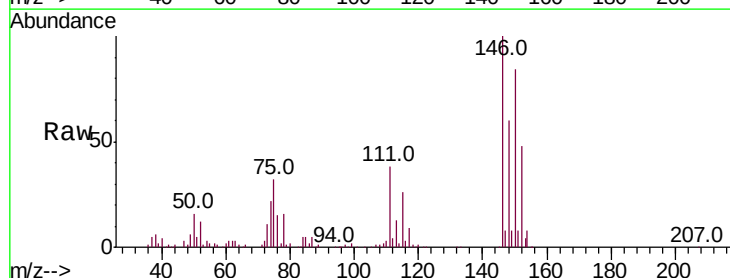
Delta R.T. -0.01 min

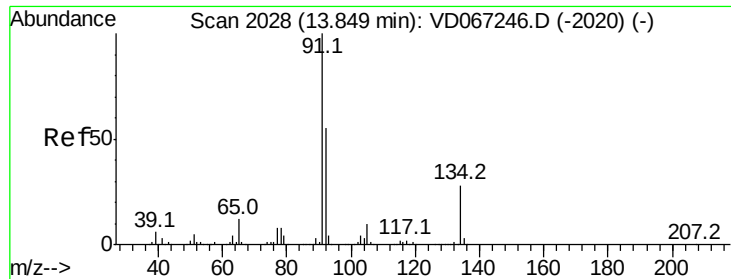
Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

Tgt Ion:146 Resp: 144044

Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.9	59.7
148	63.6	31.9	95.9

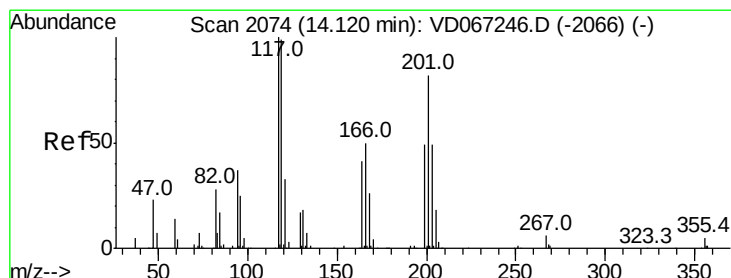
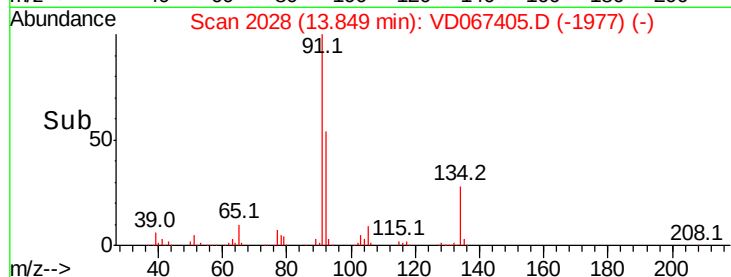
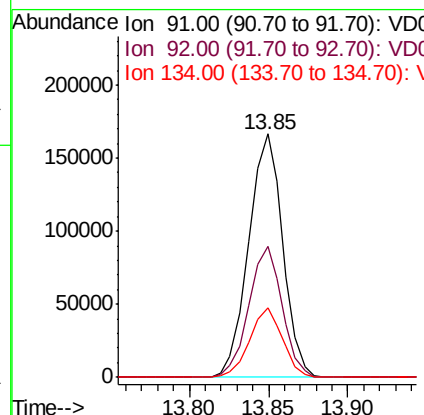
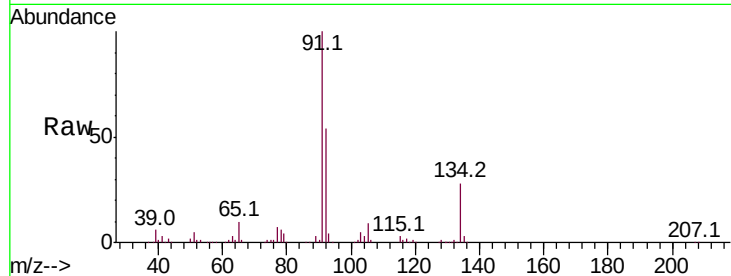




#89
n-Butylbenzene
Concen: 21.667 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

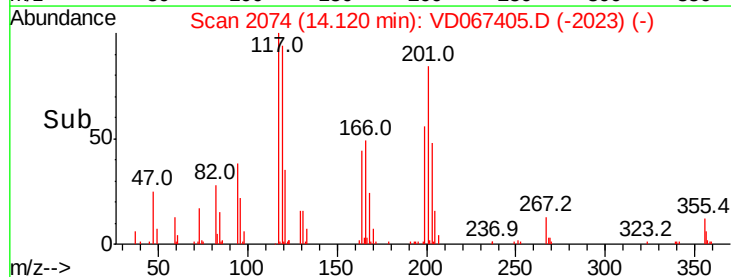
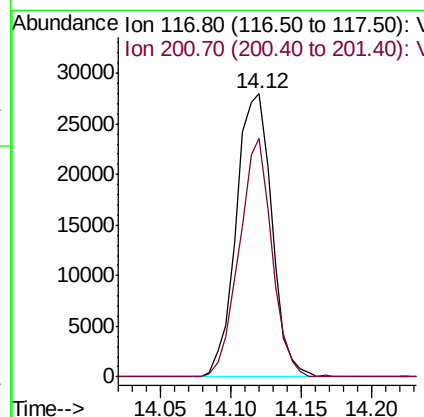
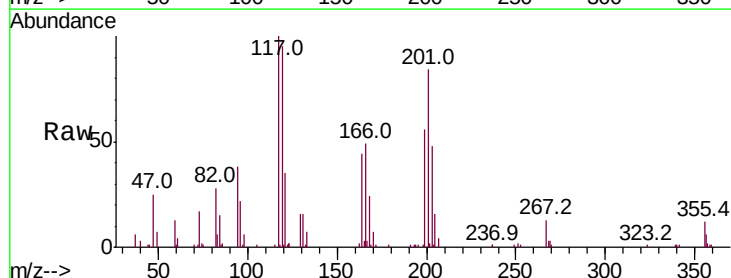
Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

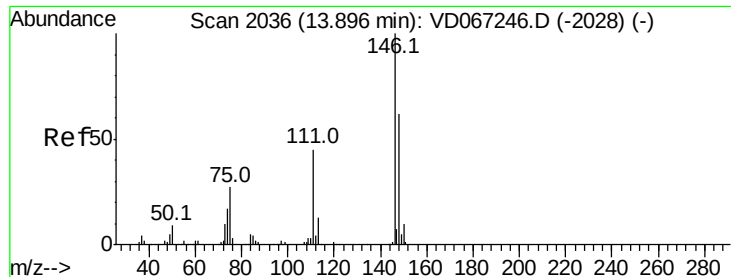
Tot Ion: 91 Resp: 249184
Ion Ratio Lower Upper
91 100
92 52.8 26.7 80.0
134 27.3 14.2 42.6



#90
Hexachloroethane
Concen: 21.577 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Tgt Ion: 117 Resp: 49223
Ion Ratio Lower Upper
117 100
201 77.4 40.8 122.2

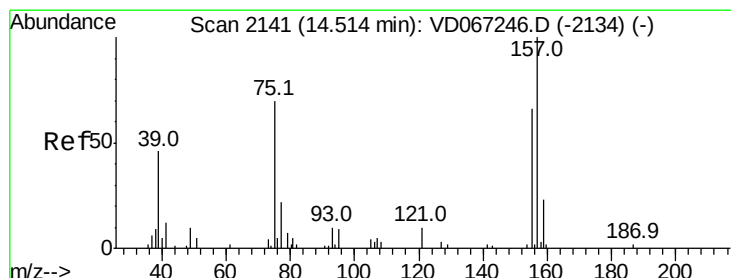
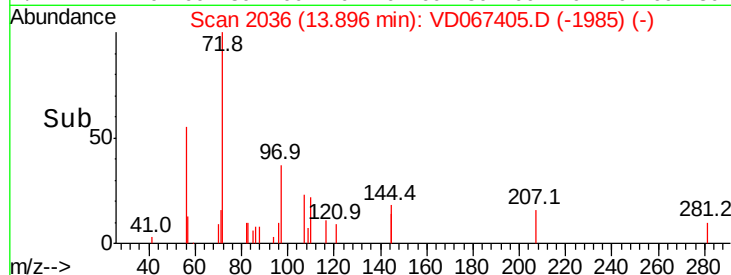
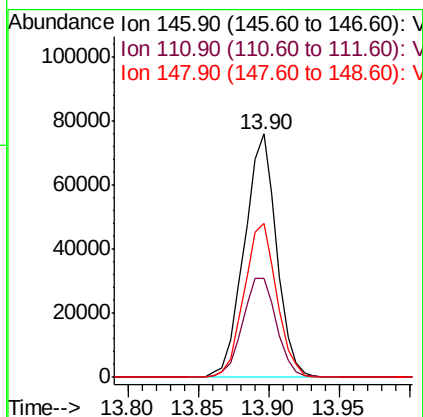
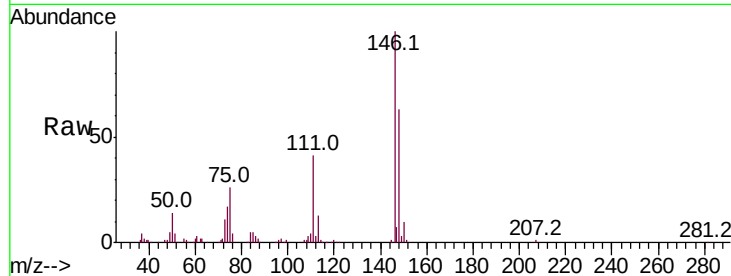




#91
 1,2-Dichlorobenzene
 Concen: 21.073 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067405.D
 Acq: 27 Oct 2020 12:17

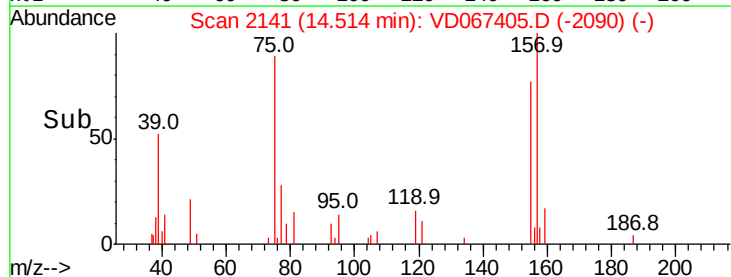
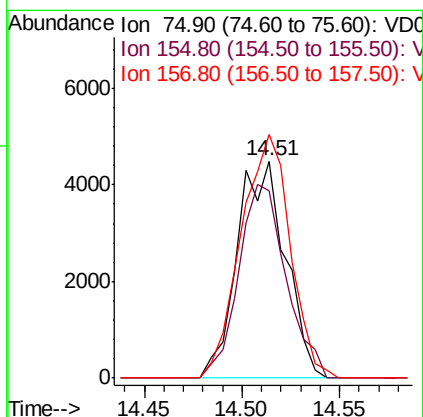
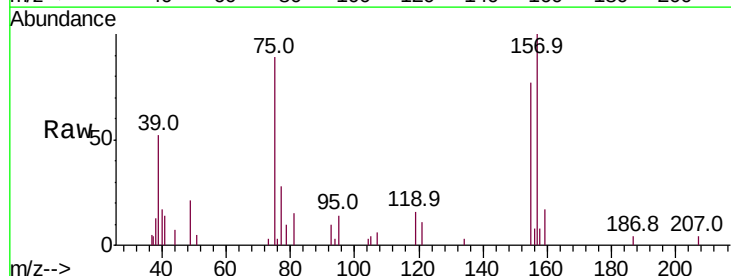
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1027SBS01

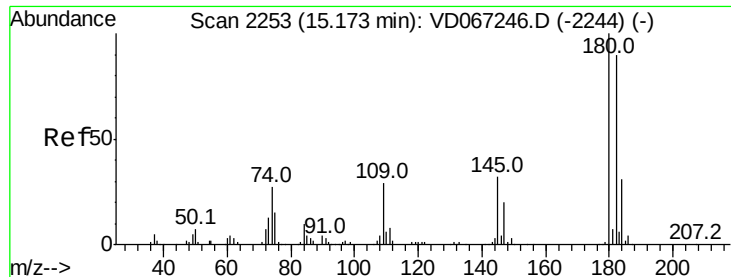
Tot Ion:146 Resp: 121472
 Ion Ratio Lower Upper
 146 100
 111 43.0 22.0 66.0
 148 64.0 32.5 97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.083 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067405.D
 Acq: 27 Oct 2020 12:17

Tgt Ion: 75 Resp: 7687
 Ion Ratio Lower Upper
 75 100
 155 87.7 44.8 134.4
 157 114.3 62.5 187.4

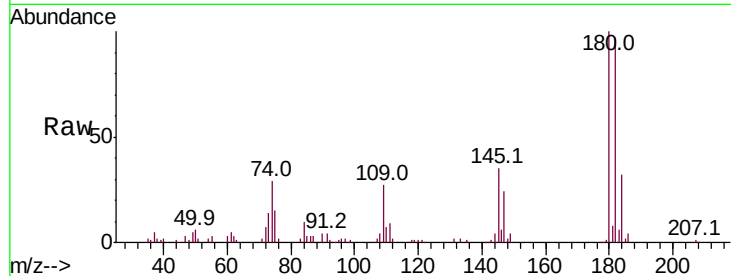




#93
 1,2,4-Trichlorobenzene
 Concen: 20.716 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD067405.D
 Acq: 27 Oct 2020 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1027SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	48.1	144.4
145	33.1	16.3	48.9

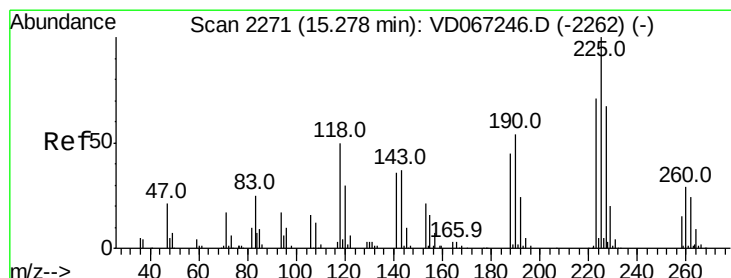
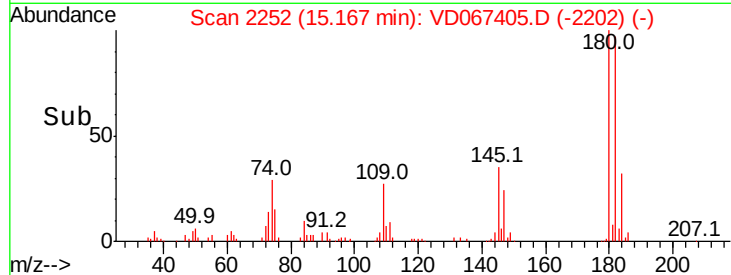
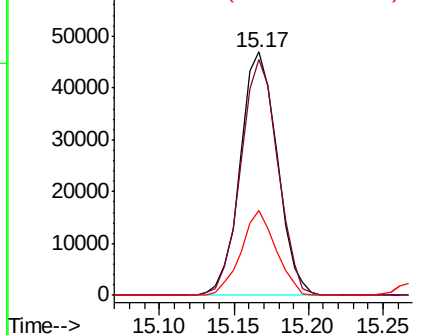


Abundance

Ion 179.80 (179.50 to 180.50): V

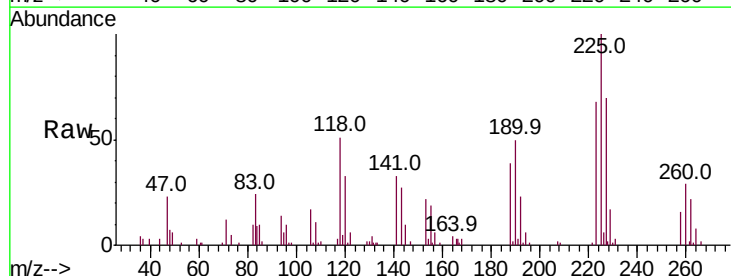
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 22.309 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VD067405.D
 Acq: 27 Oct 2020 12:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.9	95.7
227	65.3	31.2	93.6

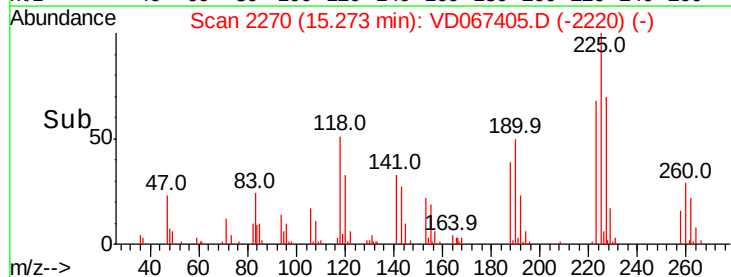
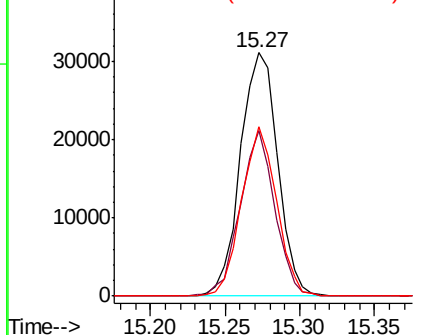


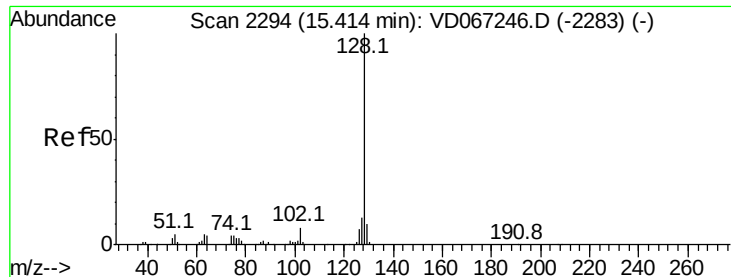
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

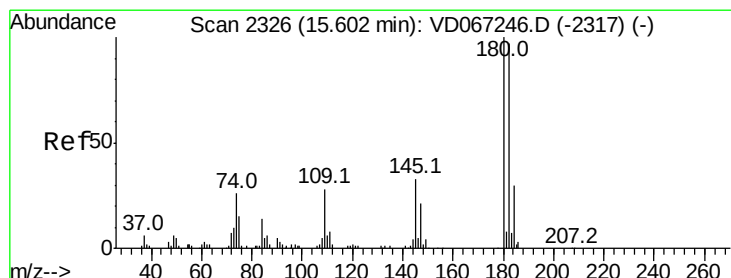
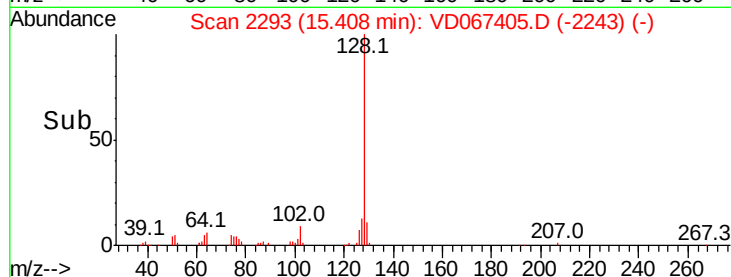
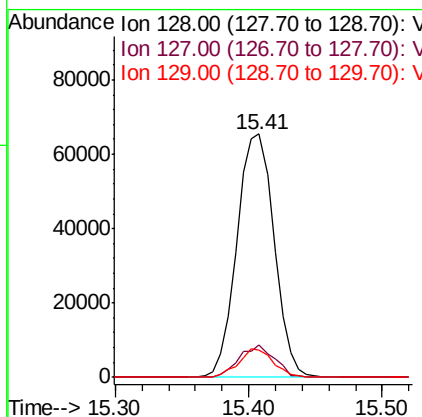
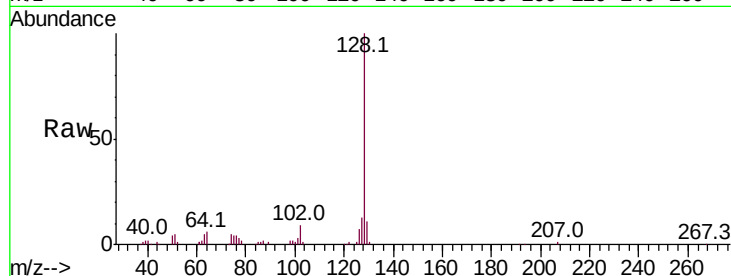




#95
Naphthalene
Concen: 19.796 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

Tot Ion:128 Resp: 126319
Ion Ratio Lower Upper
128 100
127 12.7 10.4 15.6
129 11.1 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 21.524 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Tgt Ion:180 Resp: 72268
Ion Ratio Lower Upper
180 100
182 91.7 48.1 144.3
145 35.3 17.3 51.9

