

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102820\
 Data File : VD067430.D
 Acq On : 28 Oct 2020 13:31
 Operator : VA/SY
 Sample : VD1028SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1028SBS01

Quant Time: Oct 29 00:44:09 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	311082	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	458540	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	433725	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	219686	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	159212	51.09	ug/l	0.00
Spiked Amount						
						Recovery = 102.18%
35) Dibromofluoromethane	7.92	113	163751	53.66	ug/l	0.00
Spiked Amount						
						Recovery = 107.32%
50) Toluene-d8	10.34	98	580113	52.53	ug/l	0.00
Spiked Amount						
						Recovery = 105.06%
62) 4-Bromofluorobenzene	12.64	95	203580	53.02	ug/l	0.00
Spiked Amount						
						Recovery = 106.04%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	48501	16.493	ug/l	99
3) Chloromethane	2.21	50	36309	18.546	ug/l	98
4) Vinyl Chloride	2.35	62	39076	18.191	ug/l	94
5) Bromomethane	2.76	94	30768	19.133	ug/l	90
6) Chloroethane	2.92	64	24780	18.523	ug/l	95
7) Trichlorofluoromethane	3.27	101	109340	20.214	ug/l	97
8) Diethyl Ether	3.70	74	25483	20.588	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	58731	20.436	ug/l	100
10) Methyl Iodide	4.30	142	47979	18.098	ug/l	99
11) Tert butyl alcohol	5.21	59	21502	106.535	ug/l #	93
12) 1,1-Dichloroethene	4.07	96	50380	19.623	ug/l	89
13) Acrolein	3.93	56	8563	63.653	ug/l	100
14) Allyl chloride	4.71	41	56572	19.241	ug/l	99
15) Acrylonitrile	5.43	53	42192	102.159	ug/l	96
16) Acetone	4.16	43	45412	104.042	ug/l	97
17) Carbon Disulfide	4.41	76	133910	18.296	ug/l	100
18) Methyl Acetate	4.72	43	20096	20.186	ug/l	91
19) Methyl tert-butyl Ether	5.48	73	103816	20.336	ug/l	94
20) Methylene Chloride	4.96	84	65910	20.968	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	59357	20.090	ug/l	98
22) Diisopropyl ether	6.36	45	116269	21.648	ug/l	95
23) Vinyl Acetate	6.31	43	313565	102.617	ug/l	100
24) 1,1-Dichloroethane	6.27	63	95248	20.717	ug/l	96
25) 2-Butanone	7.21	43	52125	104.766	ug/l	89
26) 2,2-Dichloropropane	7.21	77	96870	20.441	ug/l	97
27) cis-1,2-Dichloroethene	7.22	96	69375	21.425	ug/l	99
28) Bromochloromethane	7.55	49	29504	18.814	ug/l	99
29) Tetrahydrofuran	7.56	42	29899	108.106	ug/l #	85
30) Chloroform	7.71	83	115050	20.947	ug/l	90
31) Cyclohexane	7.98	56	67857	18.904	ug/l	89
32) 1,1,1-Trichloroethane	7.90	97	108929	20.214	ug/l	95
36) 1,1-Dichloropropene	8.11	75	78834	20.284	ug/l	97
37) Ethyl Acetate	7.30	43	26228	22.938	ug/l #	91
38) Carbon Tetrachloride	8.10	117	104993	21.137	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	82583	20.326	ug/l	97
40) Benzene	8.36	78	226168	21.213	ug/l	97
41) Methacrylonitrile	7.56	41	31310	50.671	ug/l #	18
42) 1,2-Dichloroethane	8.43	62	71763	21.508	ug/l	99
43) Isopropyl Acetate	8.46	43	48924	21.563	ug/l	98
44) Trichloroethene	9.11	130	71875	21.055	ug/l	97
45) 1,2-Dichloropropane	9.40	63	53332	21.583	ug/l	97
46) Dibromomethane	9.48	93	31934	20.742	ug/l	99
47) Bromodichloromethane	9.67	83	89443	21.684	ug/l	93
48) Methyl methacrylate	9.46	41	22869	20.741	ug/l	96
49) 1,4-Dioxane	9.47	88	6586	424.574	ug/l #	90
51) 4-Methyl-2-Pentanone	10.23	43	119693	105.767	ug/l	98
52) Toluene	10.41	92	160734	22.134	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	76984	21.246	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	88971	20.981	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	47983	22.856	ug/l	89
56) Ethyl methacrylate	10.67	69	48795	22.411	ug/l	94
57) 1,3-Dichloropropane	10.96	76	73317	21.944	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	121242	108.547	ug/l	98
59) 2-Hexanone	10.99	43	81429	105.300	ug/l	98
60) Dibromochloromethane	11.14	129	66401	21.688	ug/l	96
61) 1,2-Dibromoethane	11.25	107	44211	21.361	ug/l	98
64) Tetrachloroethene	10.88	164	65028	20.693	ug/l	97
65) Chlorobenzene	11.67	112	178405	21.450	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	71906	21.753	ug/l	99
67) Ethyl Benzene	11.75	91	299593	21.013	ug/l	99
68) m/p-Xylenes	11.86	106	237039	43.175	ug/l	98
69) o-Xylene	12.18	106	105757	20.802	ug/l	96
70) Styrene	12.20	104	184808	21.117	ug/l	99
71) Bromoform	12.37	173	39534	22.262	ug/l #	94
73) Isopropylbenzene	12.48	105	294833	21.146	ug/l	97
74) N-amyl acetate	12.29	43	43303	20.564	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	43440	20.334	ug/l	93
76) 1,2,3-Trichloropropane	12.79	75	60371	39.649	ug/l #	100
77) Bromobenzene	12.77	156	74847	21.532	ug/l	97
78) n-propylbenzene	12.83	91	344527	21.327	ug/l	99
79) 2-Chlorotoluene	12.91	91	201618	21.521	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	264869	21.861	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	13859	20.641	ug/l	95
82) 4-Chlorotoluene	13.01	91	216895	21.814	ug/l	100
83) tert-Butylbenzene	13.23	119	222483	21.738	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	266680	22.269	ug/l	99
85) sec-Butylbenzene	13.41	105	297481	21.183	ug/l	99
86) p-Isopropyltoluene	13.52	119	289193	21.817	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	147934	22.111	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	144195	21.753	ug/l	99
89) n-Butylbenzene	13.85	91	242413	20.788	ug/l	100
90) Hexachloroethane	14.12	117	48609	21.015	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	125458	21.465	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	8197	21.120	ug/l	94

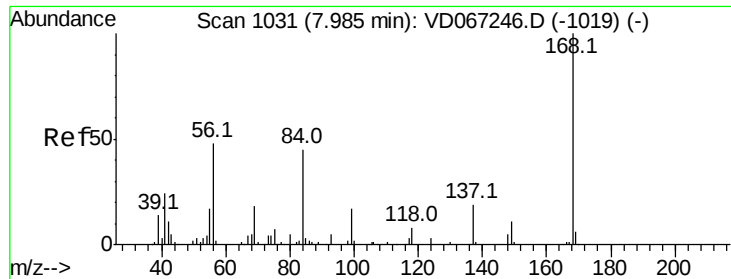
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102820\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 19 19:13:29 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	81759	20.747	ug/l	98
94) Hexachlorobutadiene	15.27	225	53934	22.039	ug/l	98
95) Naphthalene	15.41	128	129404	20.000	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	70541	20.720	ug/l	98

(#) = 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: VD067430.D

Acq: 28 Oct 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

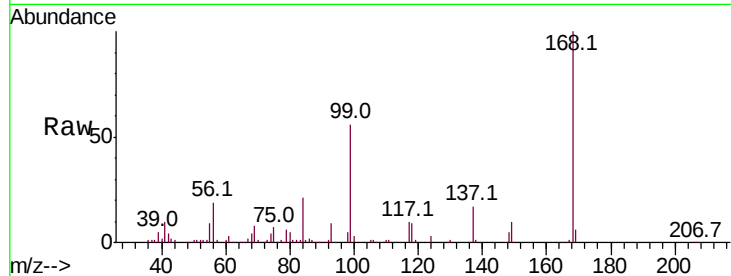
VD1028SBS01

Tot Ion:168 Resp: 311082

Ion Ratio Lower Upper

168 100

99 55.5 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

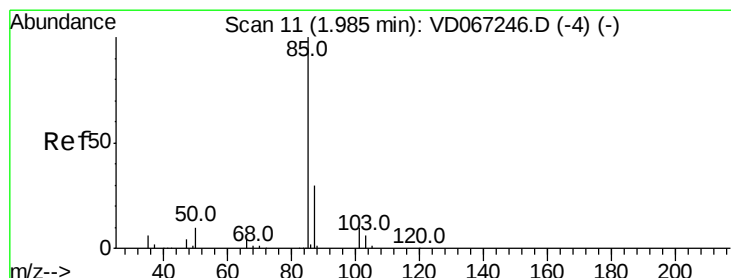
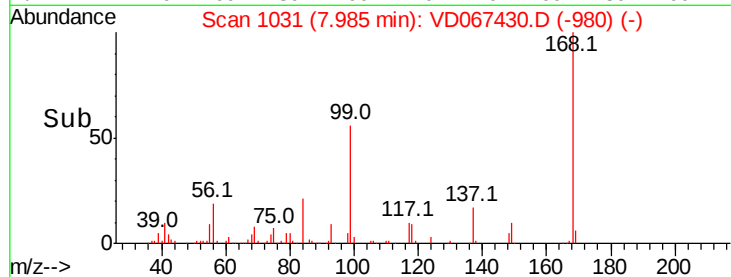
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 16.493 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067430.D

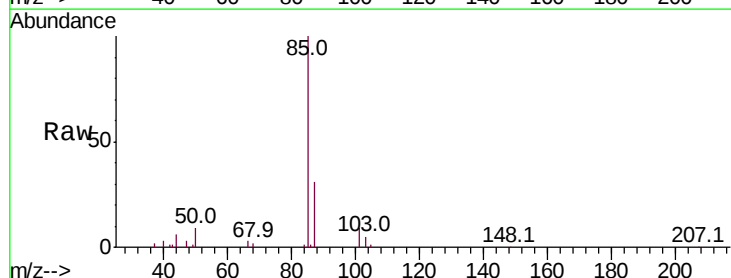
Acq: 28 Oct 2020 13:31

Tgt Ion: 85 Resp: 48501

Ion Ratio Lower Upper

85 100

87 31.2 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

30000

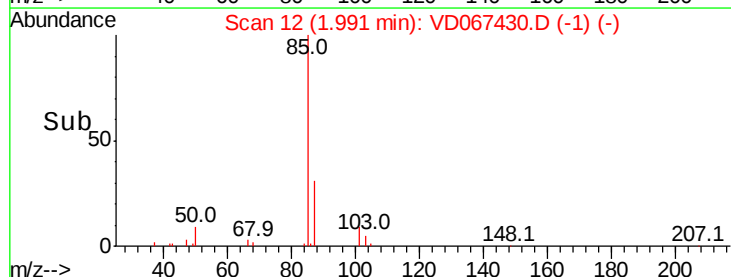
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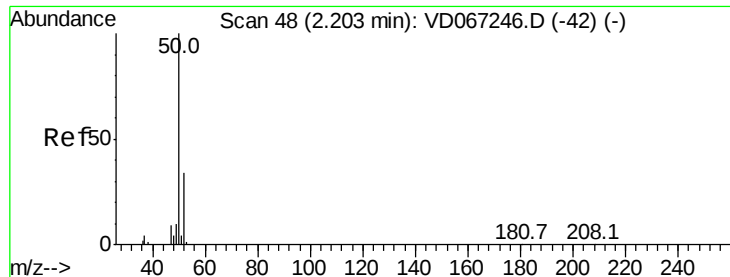
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 18.546 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

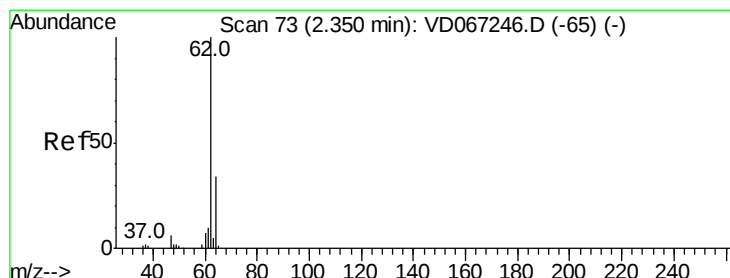
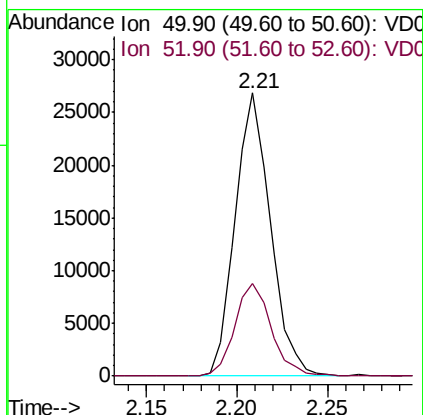
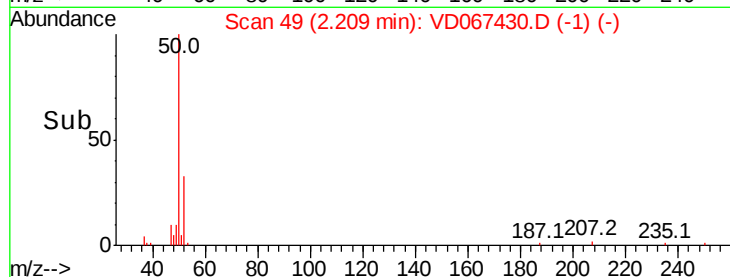
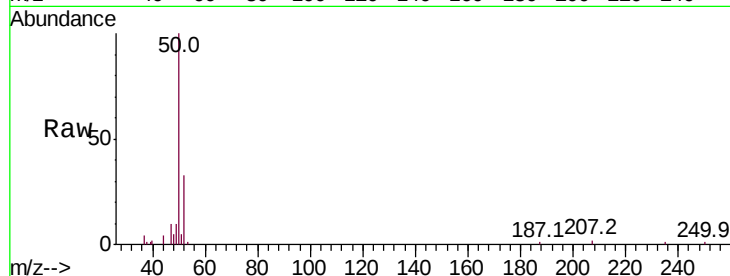
VD1028SBS01

Tot Ion: 50 Resp: 36309

Ion Ratio Lower Upper

50 100

52 32.8 27.1 40.7



#4

Vinyl Chloride

Concen: 18.191 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067430.D

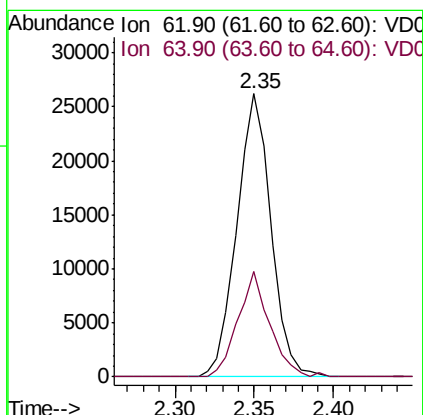
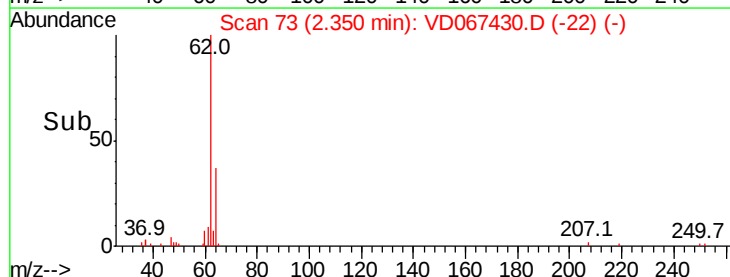
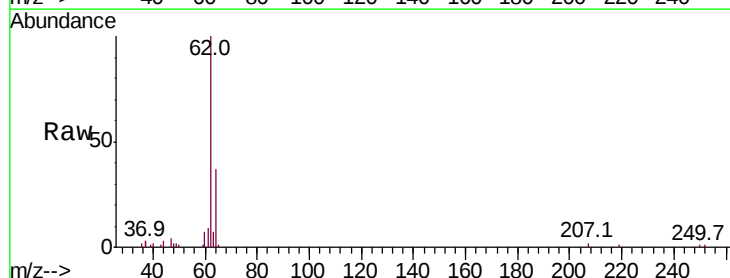
Acq: 28 Oct 2020 13:31

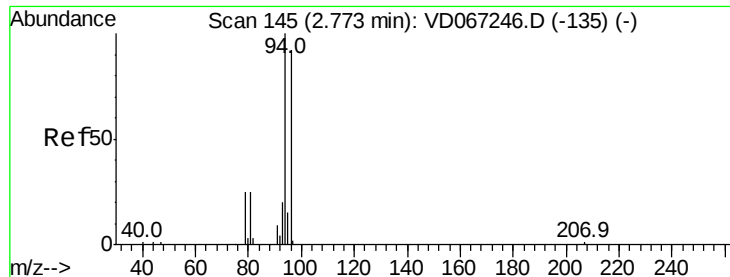
Tgt Ion: 62 Resp: 39076

Ion Ratio Lower Upper

62 100

64 37.5 27.4 41.0





#5

Bromomethane

Concen: 19.133 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

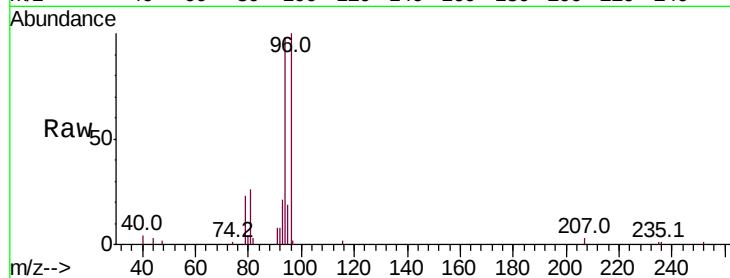
VD1028SBS01

Tot Ion: 94 Resp: 30768

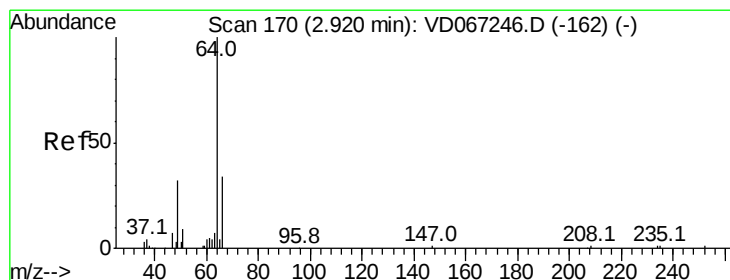
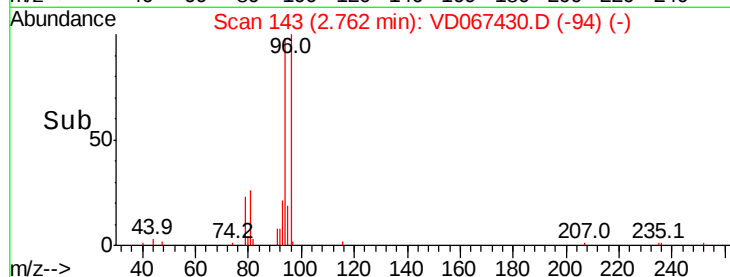
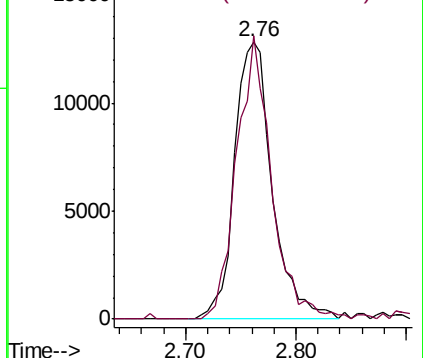
Ion Ratio Lower Upper

94 100

96 102.2 73.8 110.6



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 18.523 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067430.D

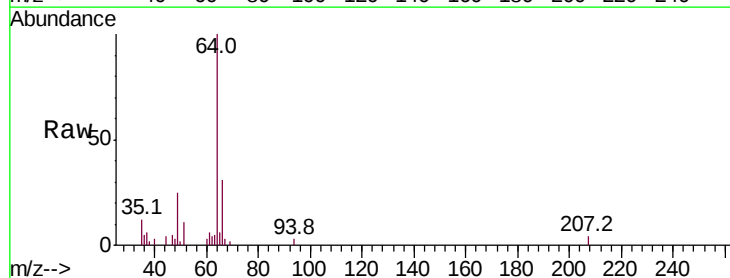
Acq: 28 Oct 2020 13:31

Tgt Ion: 64 Resp: 24780

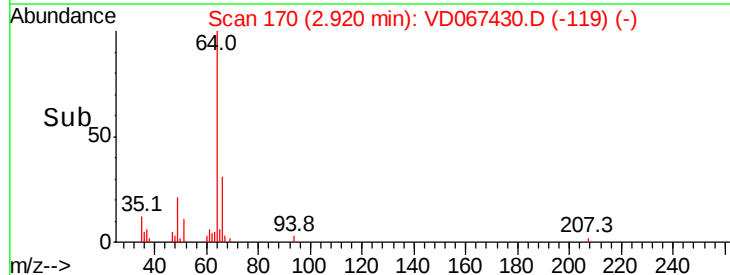
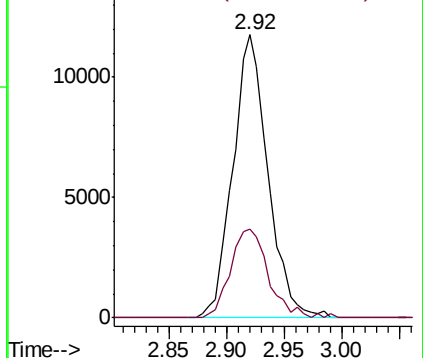
Ion Ratio Lower Upper

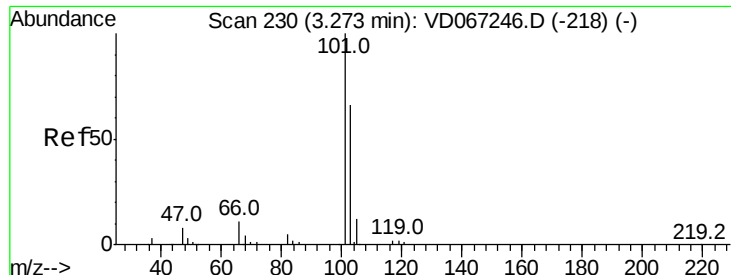
64 100

66 31.2 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 20.214 ug/l

RT: 3.27 min Scan# 230

Delta R.T. 0.00 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

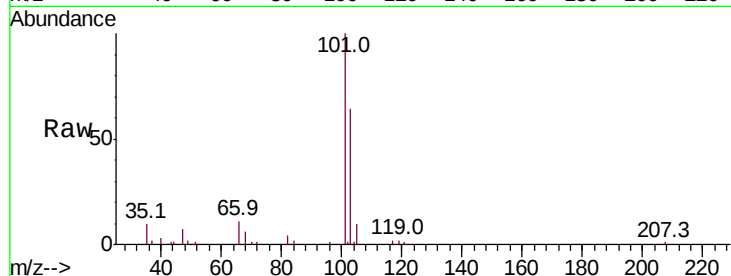
VD1028SBS01

Tot Ion:101 Resp: 109340

Ion Ratio Lower Upper

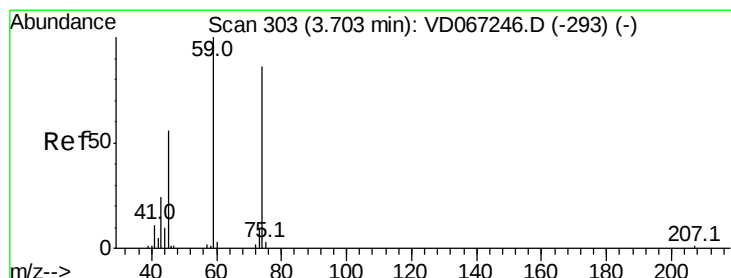
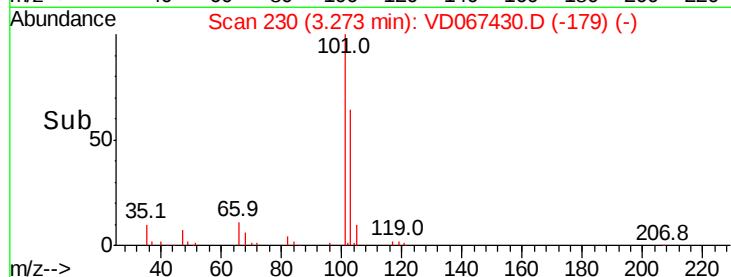
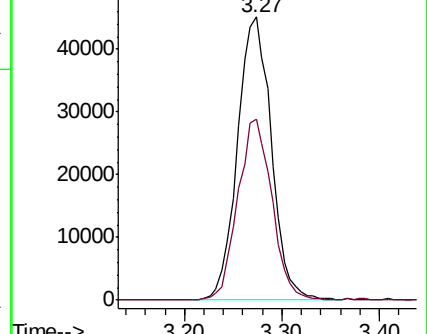
101 100

103 63.9 53.1 79.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 20.588 ug/l

RT: 3.70 min Scan# 303

Delta R.T. 0.00 min

Lab File: VD067430.D

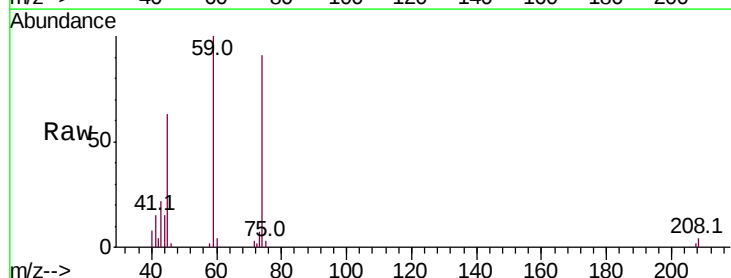
Acq: 28 Oct 2020 13:31

Tgt Ion: 74 Resp: 25483

Ion Ratio Lower Upper

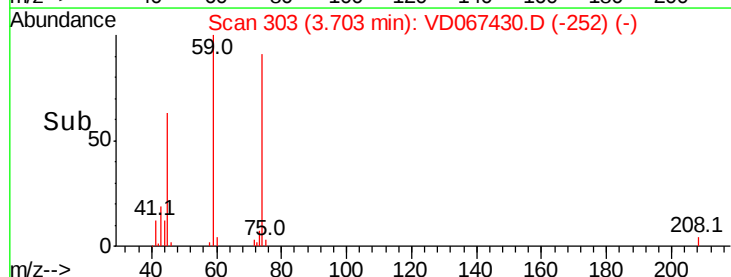
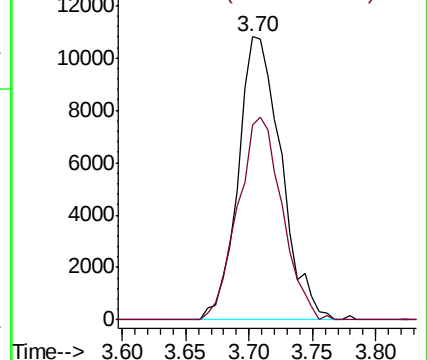
74 100

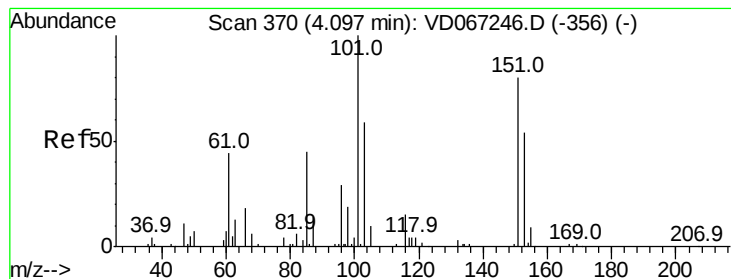
45 73.9 37.0 111.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.436 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBS01

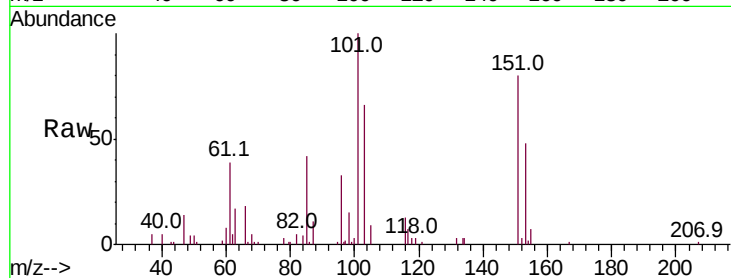
Tot Ion:101 Resp: 58731

Ion Ratio Lower Upper

101 100

85 42.8 34.2 51.4

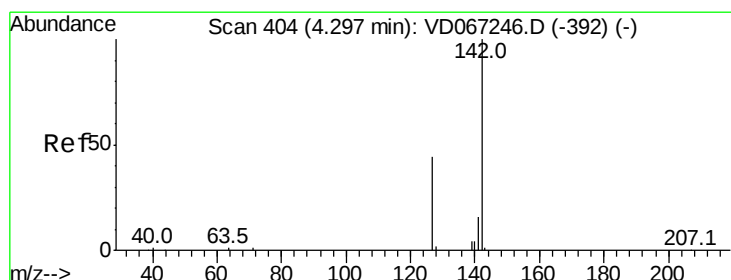
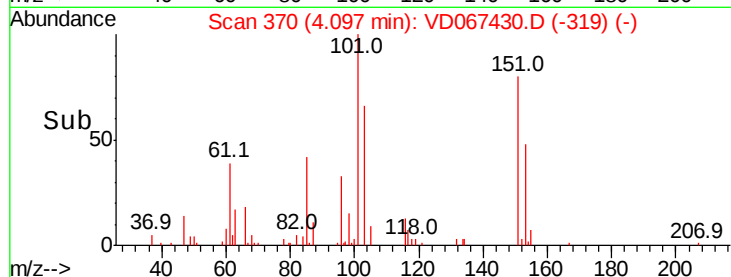
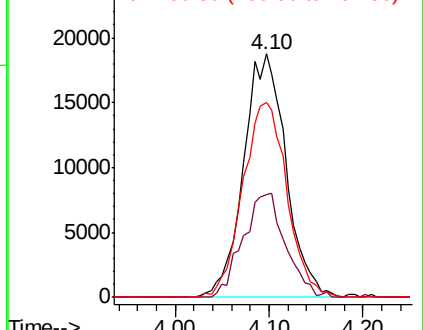
151 83.3 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.098 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

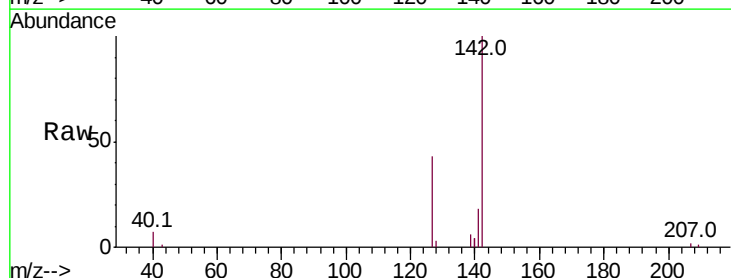
Tgt Ion:142 Resp: 47979

Ion Ratio Lower Upper

142 100

127 47.4 38.4 57.6

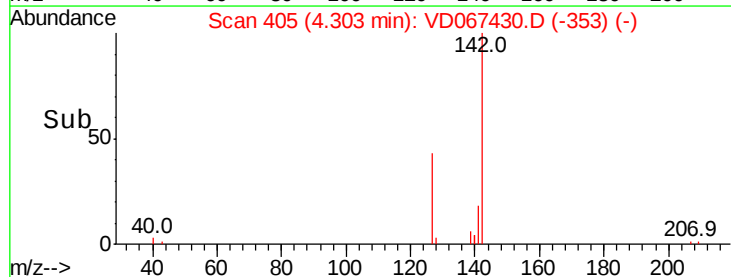
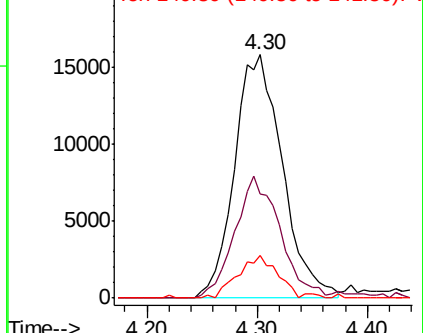
141 14.9 11.6 17.4

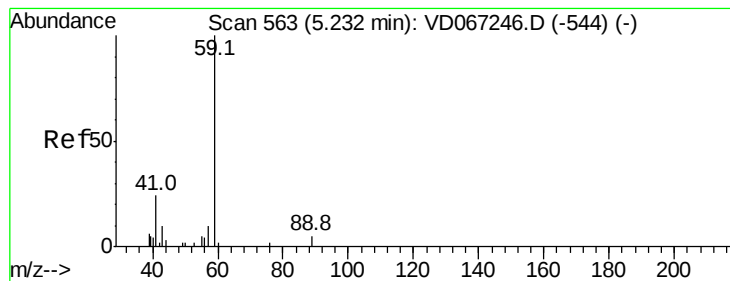


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



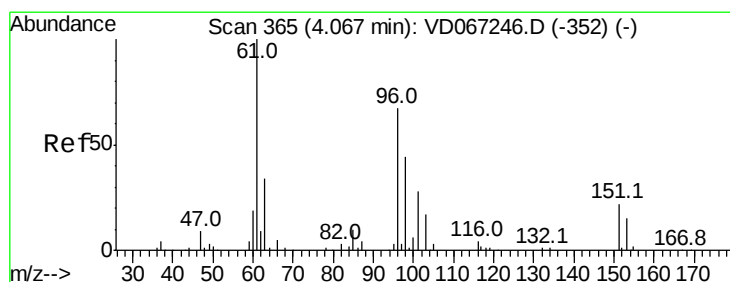
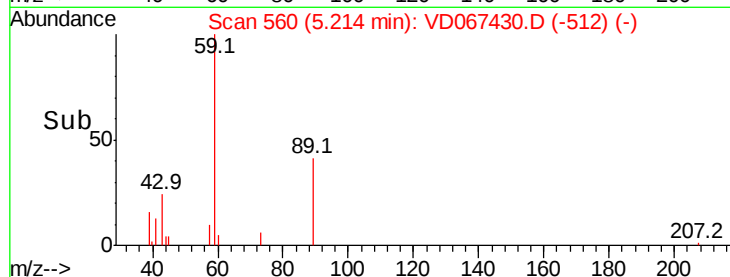
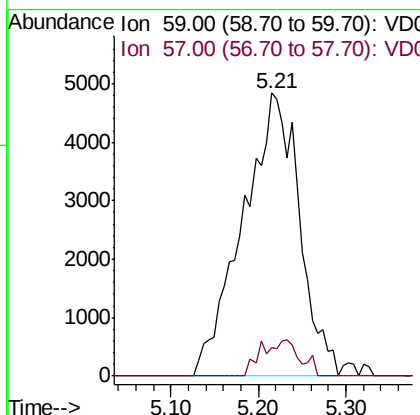
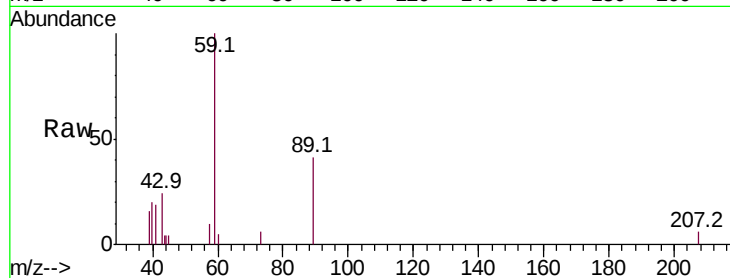


#11

Tert butyl alcohol
Concen: 106.535 ug/l
RT: 5.21 min Scan# 560
Delta R.T. -0.02 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

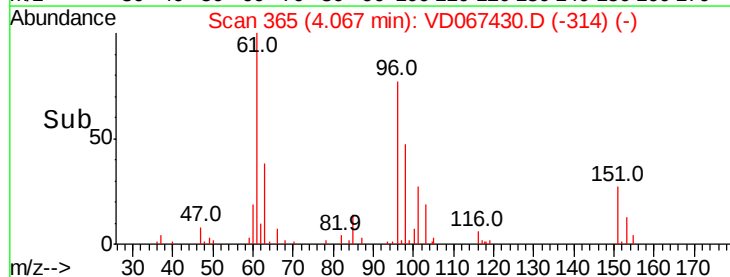
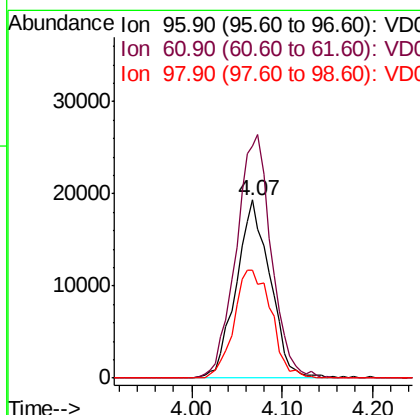
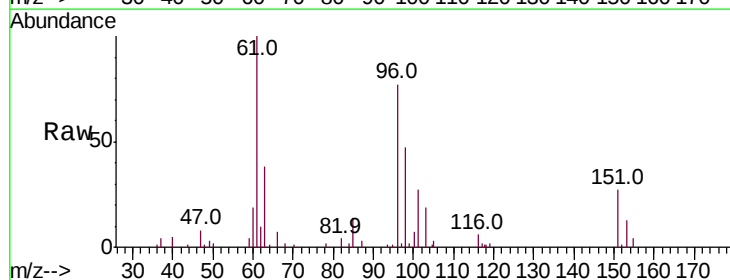
Tot Ion: 59 Resp: 21502
Ion Ratio Lower Upper
59 100
57 8.8 5.1 7.7#

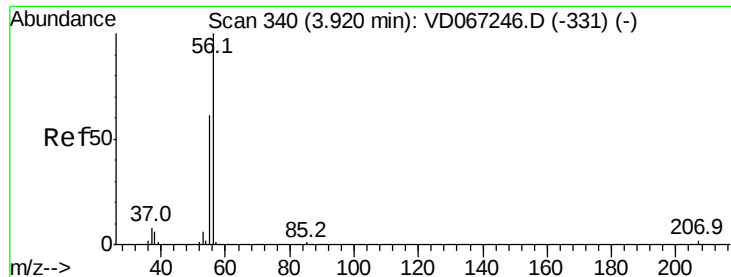


#12

1,1-Dichloroethene
Concen: 19.623 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Tgt Ion: 96 Resp: 50380
Ion Ratio Lower Upper
96 100
61 130.1 118.6 177.8
98 60.9 51.8 77.6





#13

Acrolein

Concen: 63.653 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

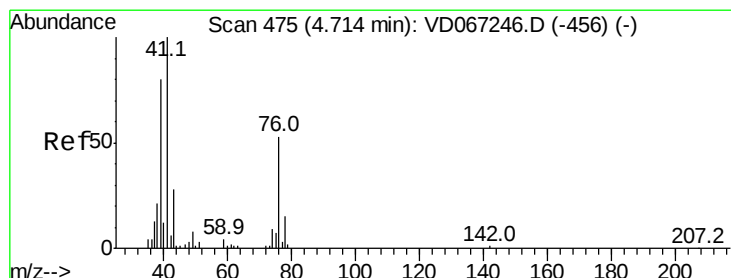
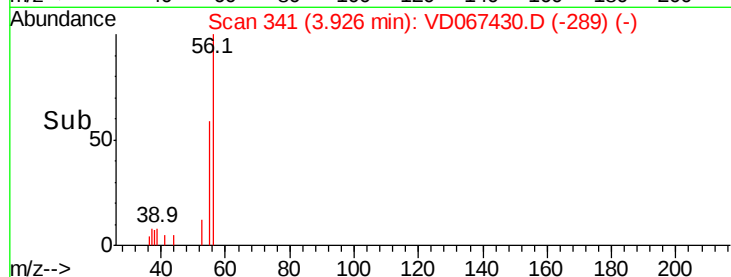
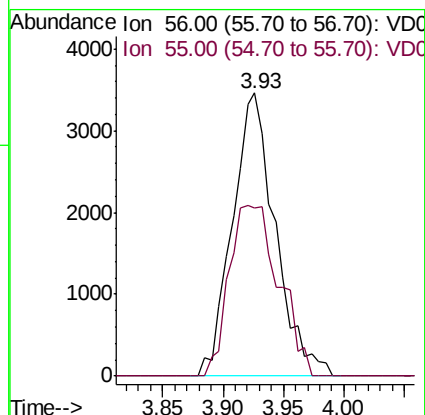
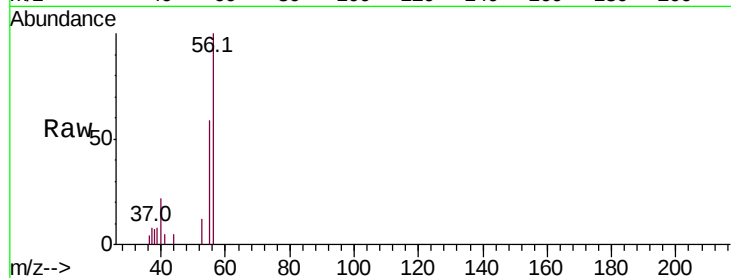
VD1028SBS01

Tot Ion: 56 Resp: 8563

Ion Ratio Lower Upper

56 100

55 69.6 56.0 84.0



#14

Allyl chloride

Concen: 19.241 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

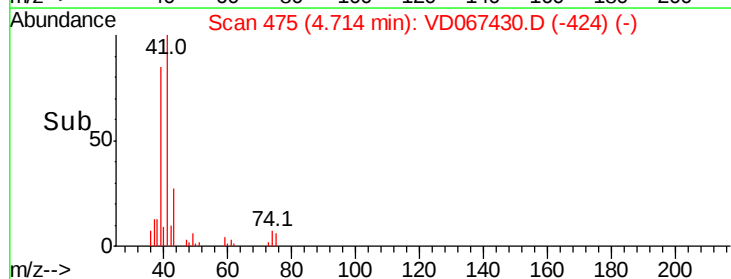
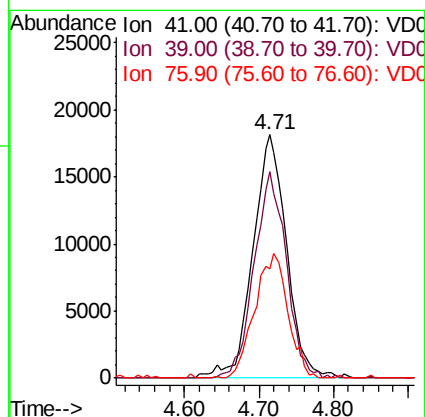
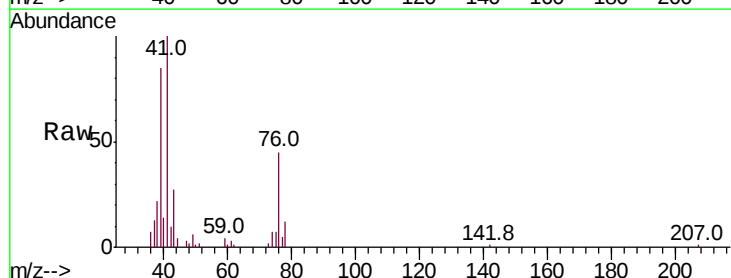
Tgt Ion: 41 Resp: 56572

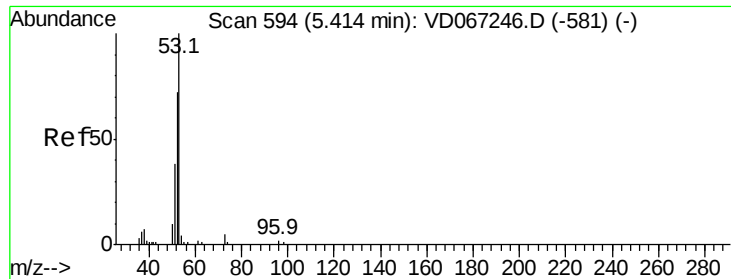
Ion Ratio Lower Upper

41 100

39 81.3 63.8 95.6

76 50.6 40.4 60.6





#15

Acrylonitrile

Concen: 102.159 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBS01

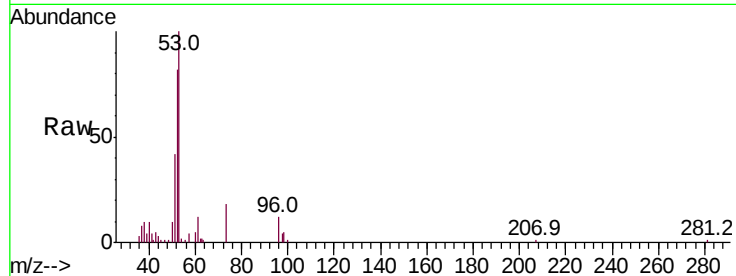
Tot Ion: 53 Resp: 42192

Ion Ratio Lower Upper

53 100

52 84.6 65.6 98.4

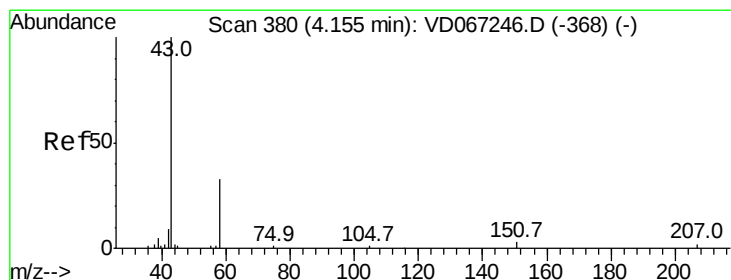
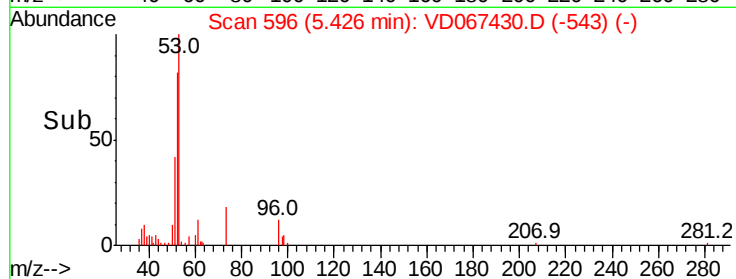
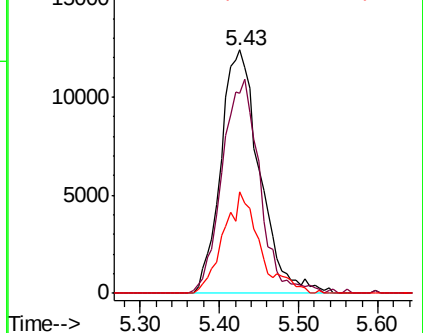
51 35.2 30.8 46.2



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 104.042 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067430.D

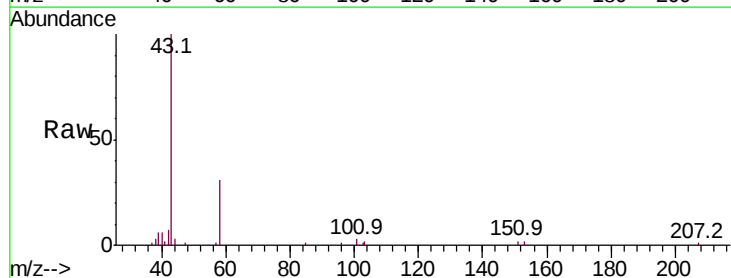
Acq: 28 Oct 2020 13:31

Tgt Ion: 43 Resp: 45412

Ion Ratio Lower Upper

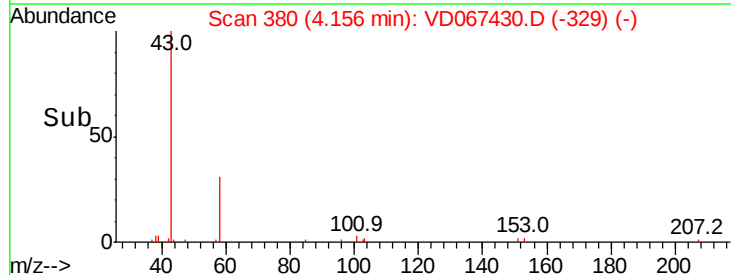
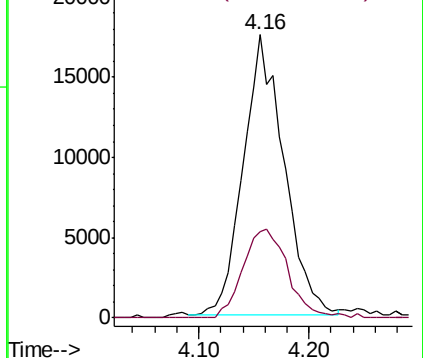
43 100

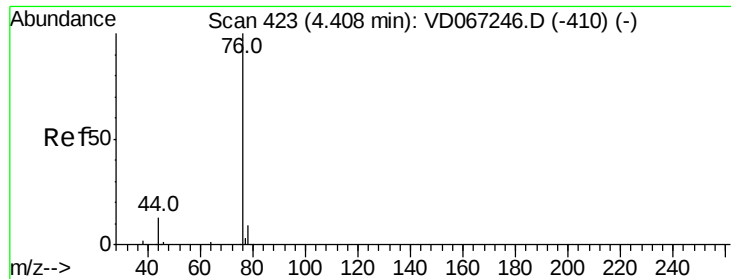
58 30.8 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

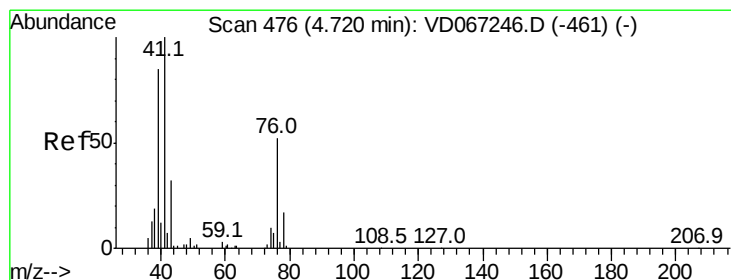
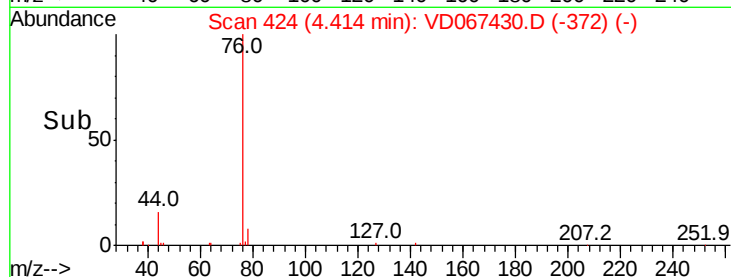
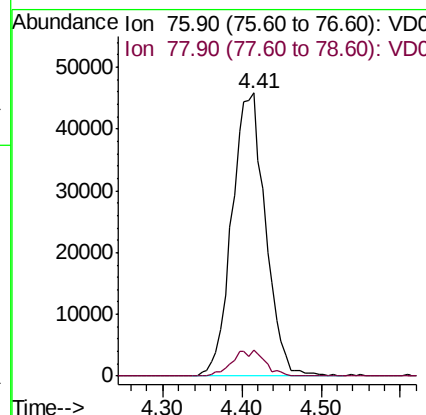
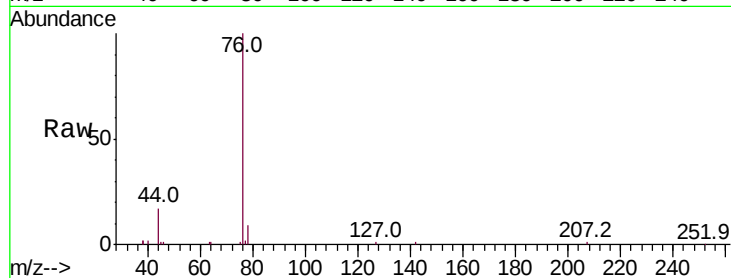




#17
Carbon Disulfide
Concen: 18.296 ug/l
RT: 4.41 min Scan# 424
Delta R.T. 0.01 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

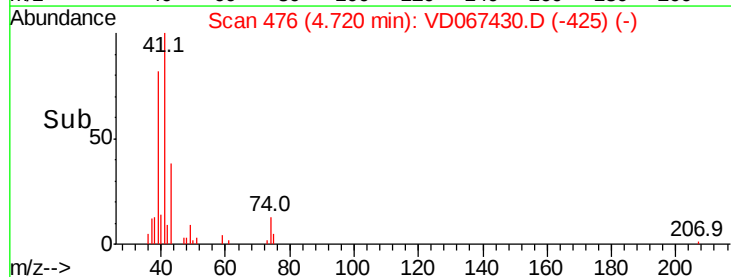
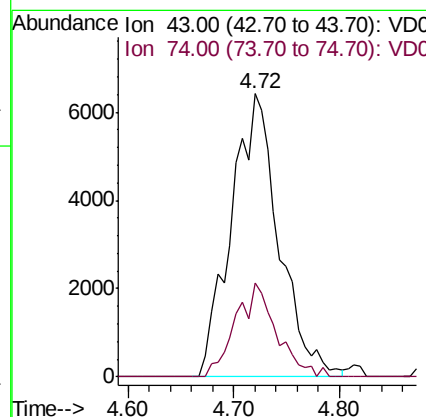
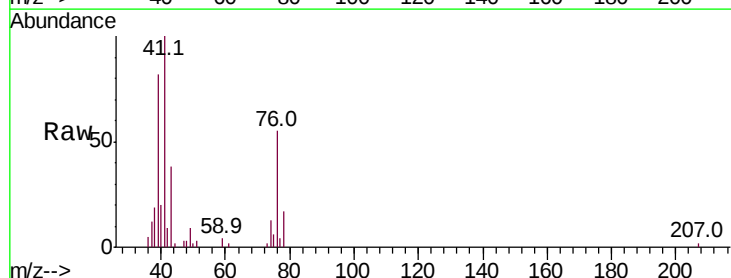
Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

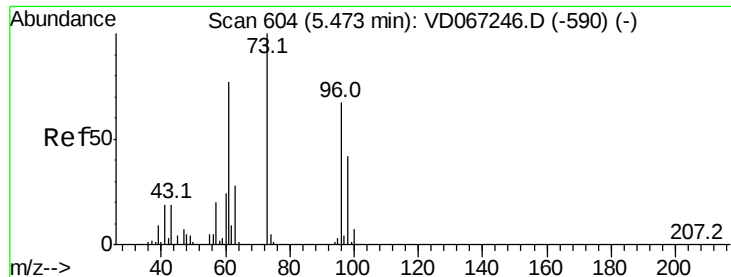
Tot Ion: 76 Resp: 133910
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0



#18
Methyl Acetate
Concen: 20.186 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Tgt Ion: 43 Resp: 20096
Ion Ratio Lower Upper
43 100
74 28.4 26.6 39.8

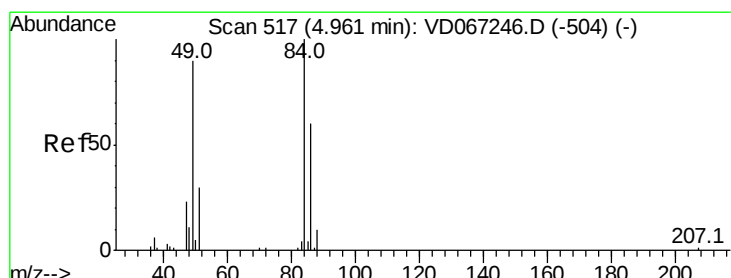
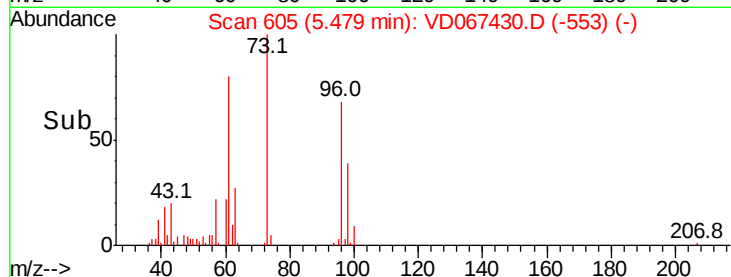
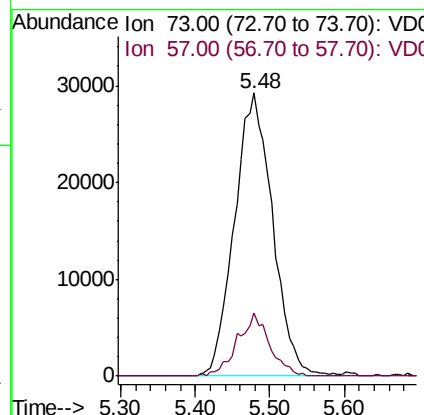
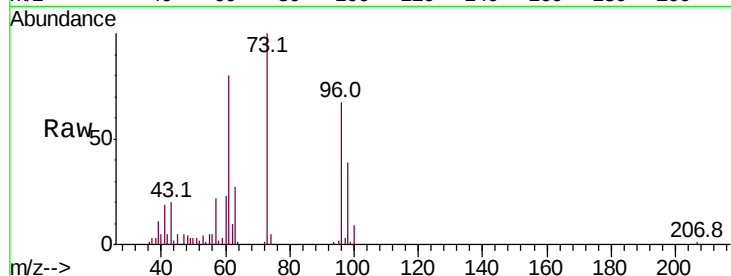




#19
Methvl tert-butvl Ether
Concen: 20.336 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

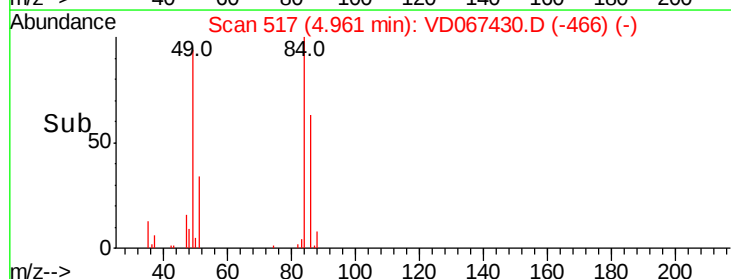
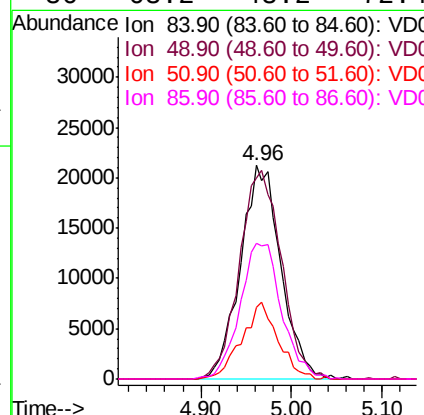
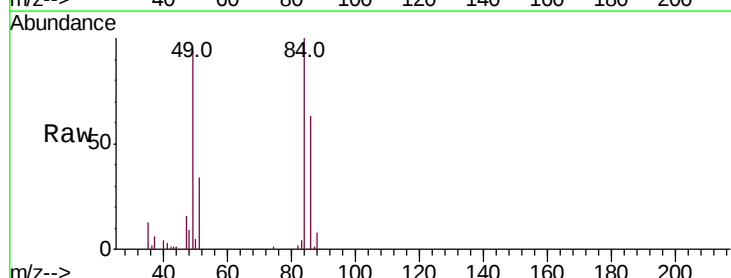
Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

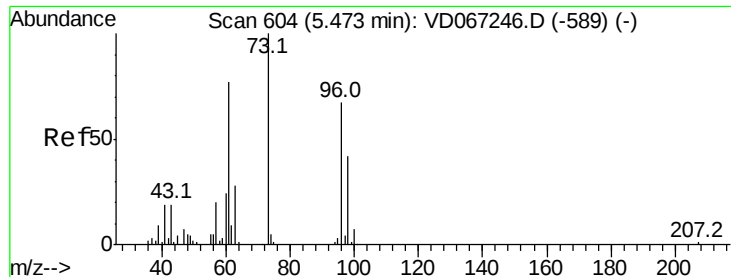
Tot Ion: 73 Resp: 103816
Ion Ratio Lower Upper
73 100
57 22.3 15.7 23.5



#20
Methylene Chloride
Concen: 20.968 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Tgt Ion: 84 Resp: 65910
Ion Ratio Lower Upper
84 100
49 94.4 72.2 108.2
51 33.7 23.8 35.8
86 63.2 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 20.090 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBS01

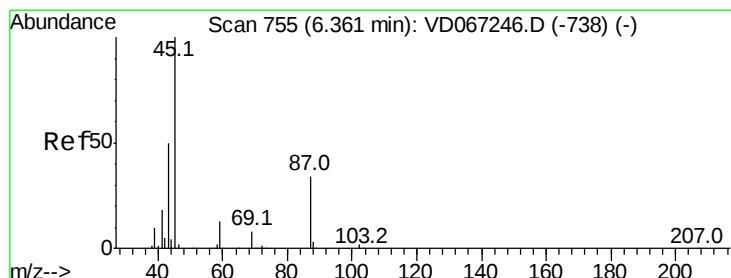
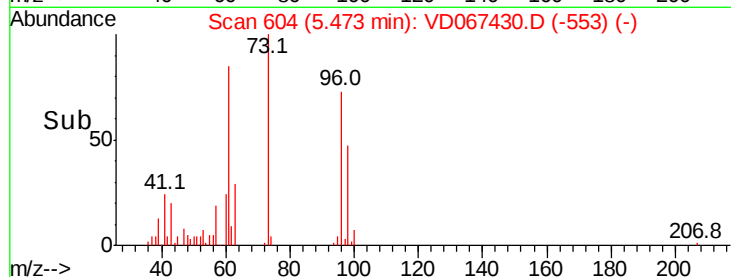
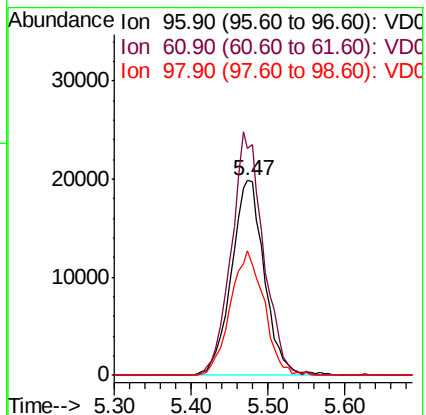
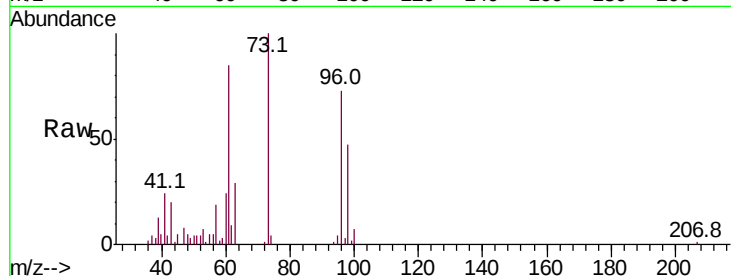
Tot Ion: 96 Resp: 59357

Ion Ratio Lower Upper

96 100

61 116.5 92.0 138.0

98 63.8 49.8 74.8



#22

Diisopropyl ether

Concen: 21.648 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Tgt Ion: 45 Resp: 116269

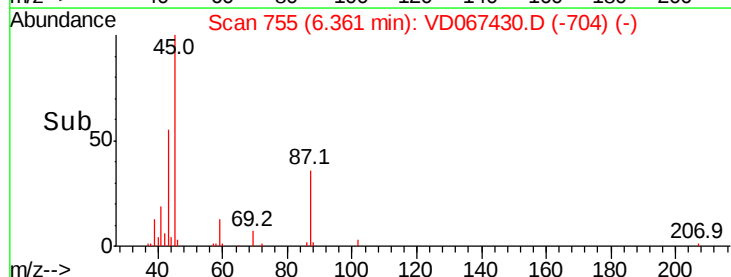
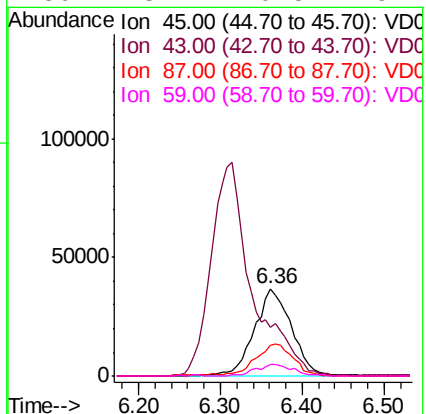
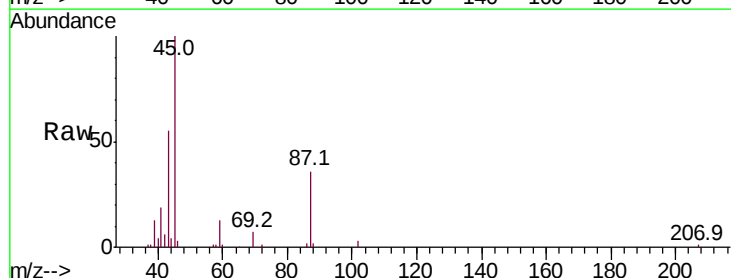
Ion Ratio Lower Upper

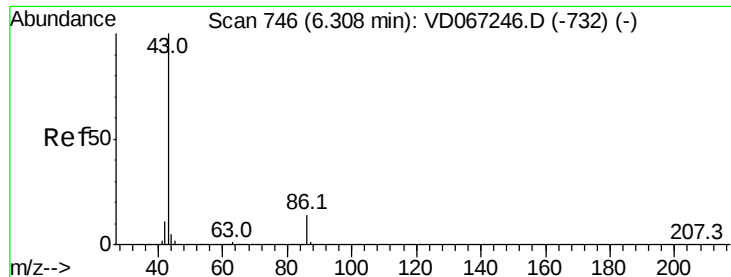
45 100

43 53.9 48.0 72.0

87 35.2 28.5 42.7

59 13.4 10.5 15.7





#23

Vinyl Acetate

Concen: 102.617 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

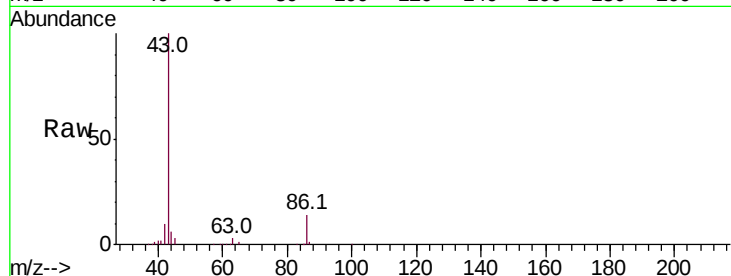
VD1028SBS01

Tot Ion: 43 Resp: 313565

Ion Ratio Lower Upper

43 100

86 13.8 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

100000

80000

60000

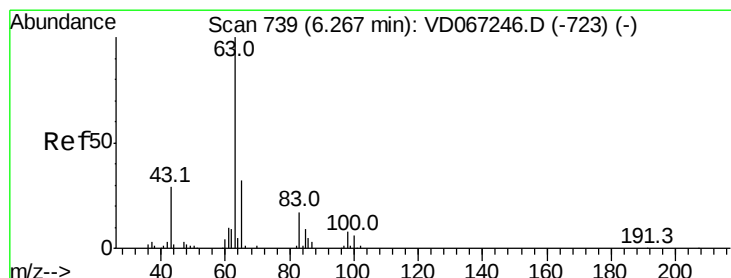
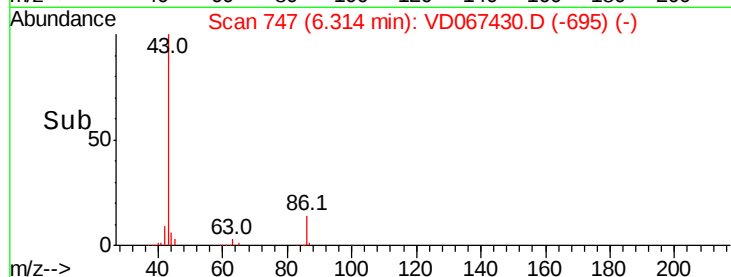
40000

20000

0

Time-->

6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 20.717 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

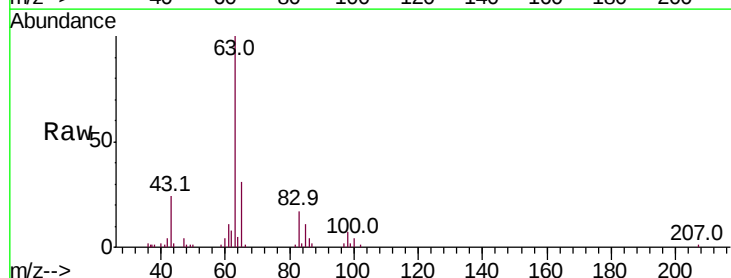
Tgt Ion: 63 Resp: 95248

Ion Ratio Lower Upper

63 100

98 7.2 4.0 12.2

100 4.0 2.8 8.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

40000

30000

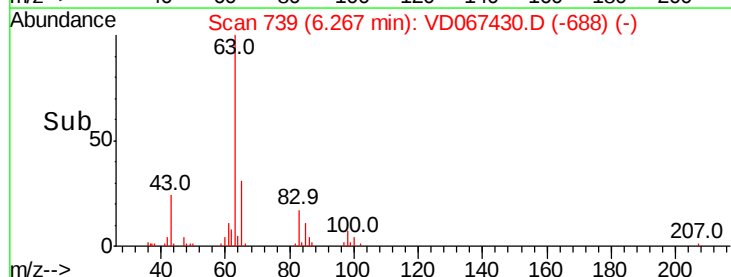
20000

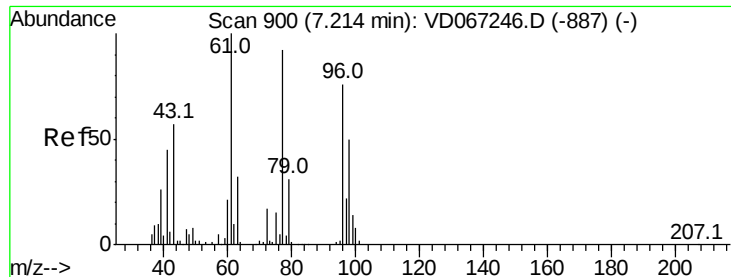
10000

0

Time-->

6.20 6.30 6.40





#25

2-Butanone

Concen: 104.766 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

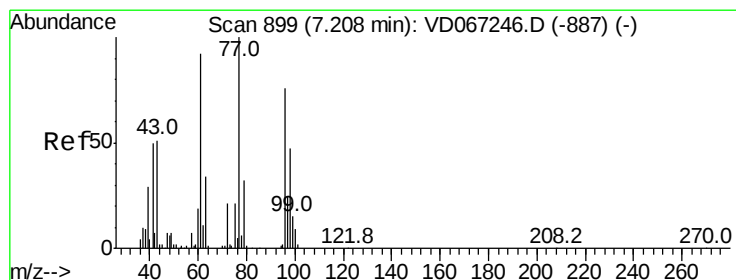
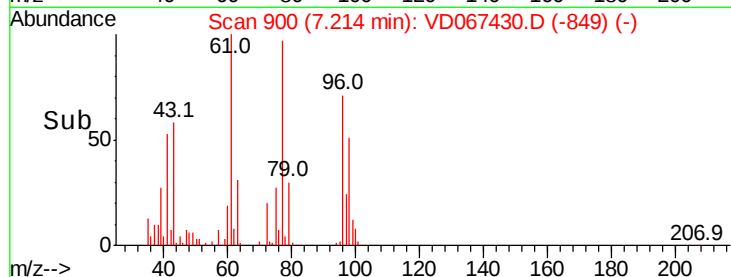
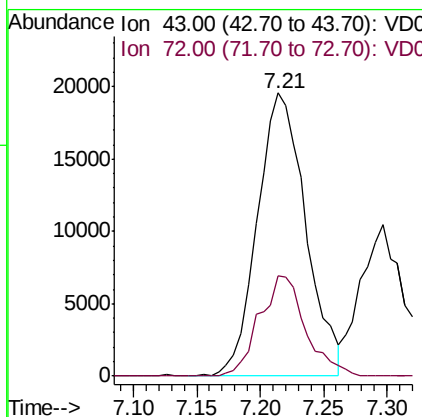
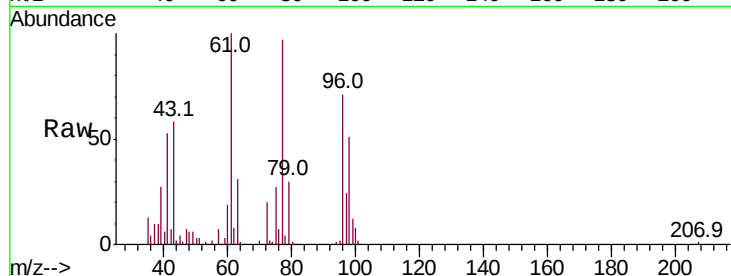
VD1028SBS01

Tot Ion: 43 Resp: 52125

Ion Ratio Lower Upper

43 100

72 35.3 23.7 35.5



#26

2,2-Dichloropropane

Concen: 20.441 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067430.D

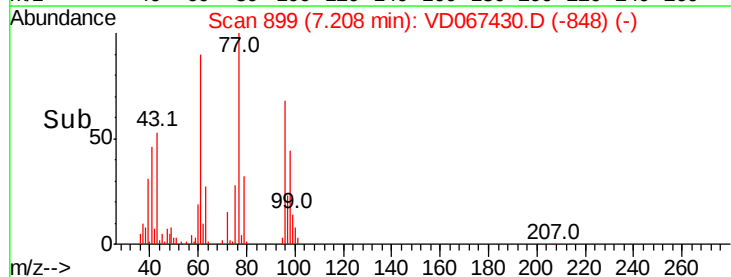
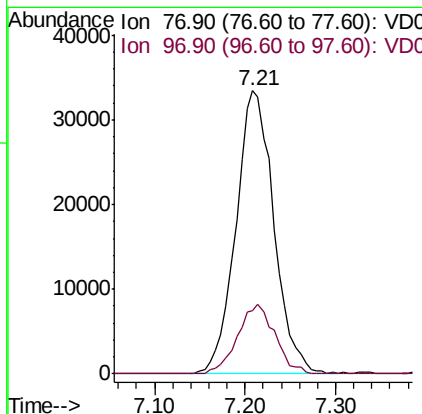
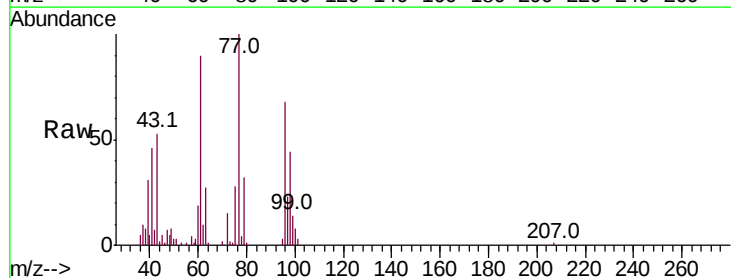
Acq: 28 Oct 2020 13:31

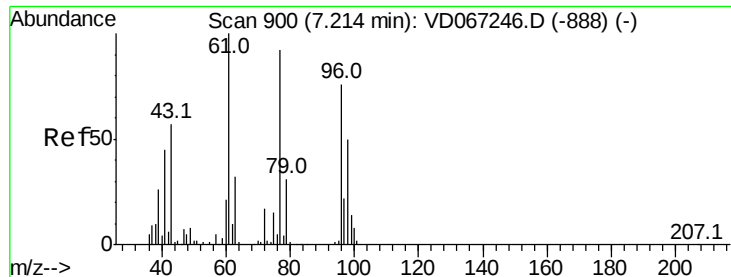
Tgt Ion: 77 Resp: 96870

Ion Ratio Lower Upper

77 100

97 24.4 11.4 34.2



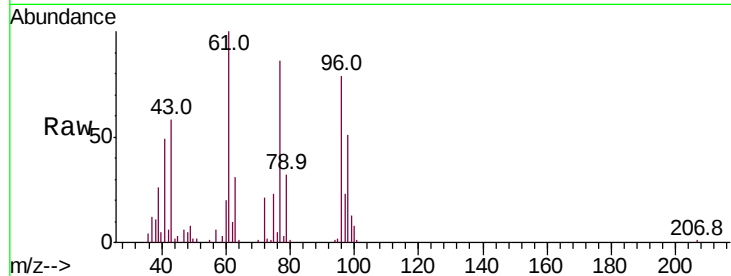


#27

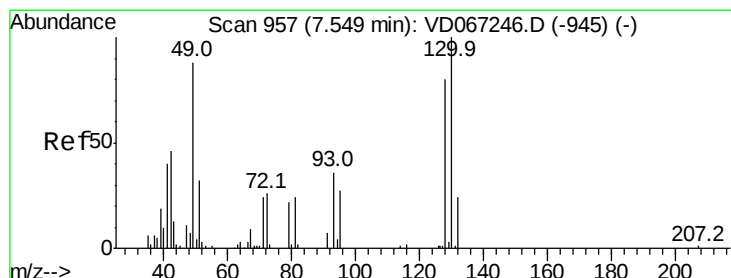
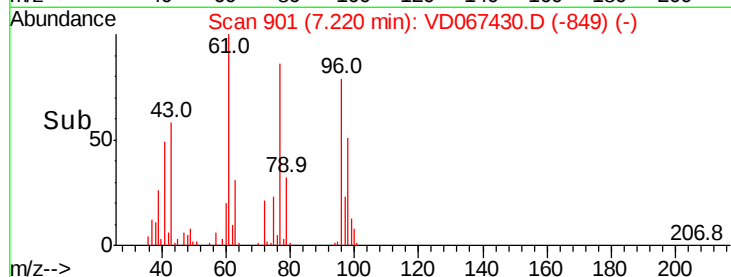
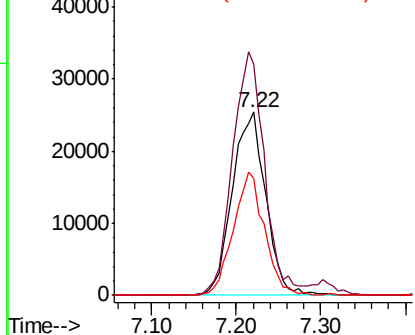
cis-1,2-Dichloroethene
 Concen: 21.425 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VD067430.D
 Acq: 28 Oct 2020 13:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1028SBS01

Tot Ion: 96 Resp: 69375
 Ion Ratio Lower Upper
 96 100
 61 128.1 0.0 255.4
 98 62.8 0.0 128.0



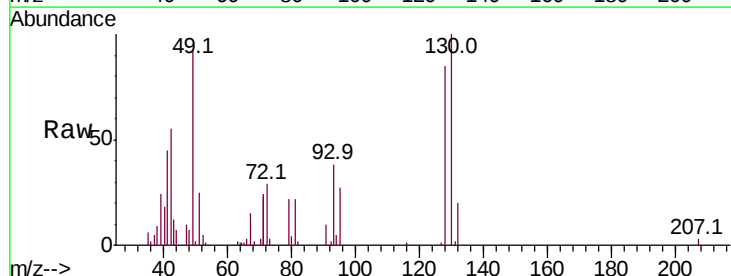
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



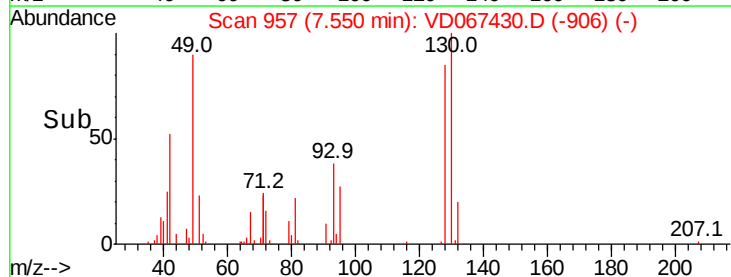
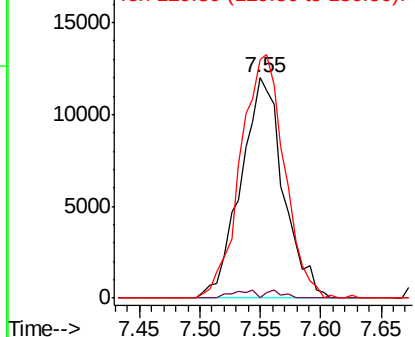
#28

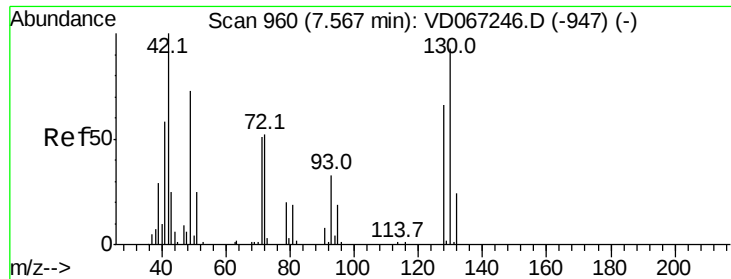
Bromochloromethane
 Concen: 18.814 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD067430.D
 Acq: 28 Oct 2020 13:31

Tgt Ion: 49 Resp: 29504
 Ion Ratio Lower Upper
 49 100
 129 1.4 0.0 1.6
 130 113.1 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: 108.106 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBS01

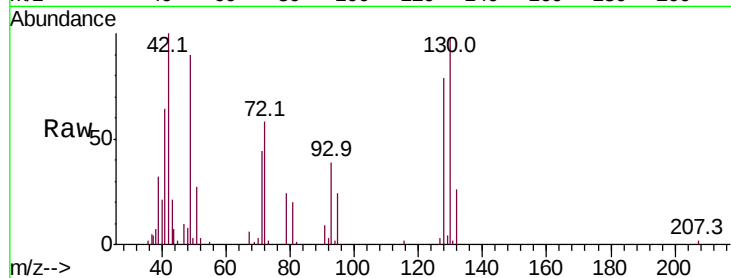
Tot Ion: 42 Resp: 29899

Ion Ratio Lower Upper

42 100

72 56.3 43.2 64.8

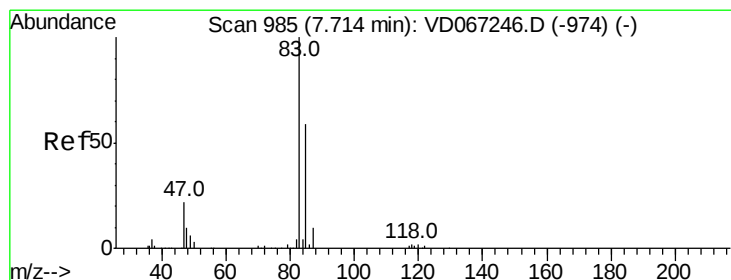
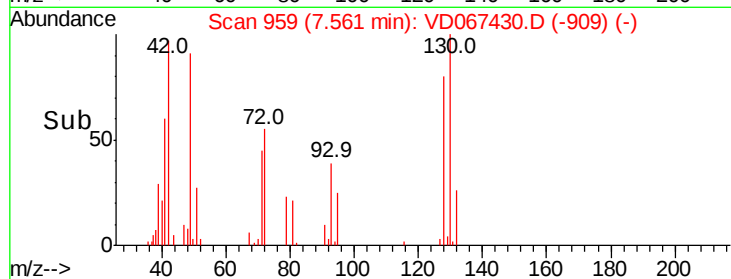
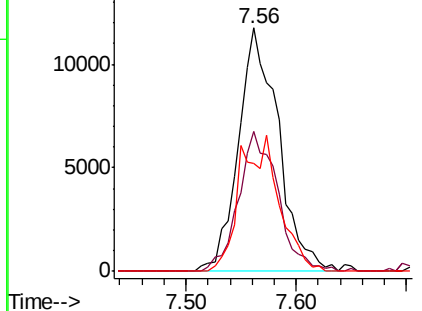
71 30.8 39.4 59.0#



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 20.947 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD067430.D

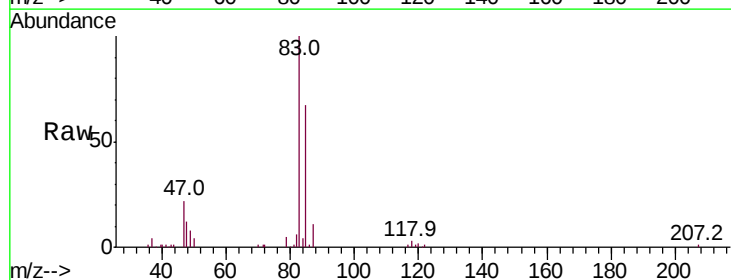
Acq: 28 Oct 2020 13:31

Tgt Ion: 83 Resp: 115050

Ion Ratio Lower Upper

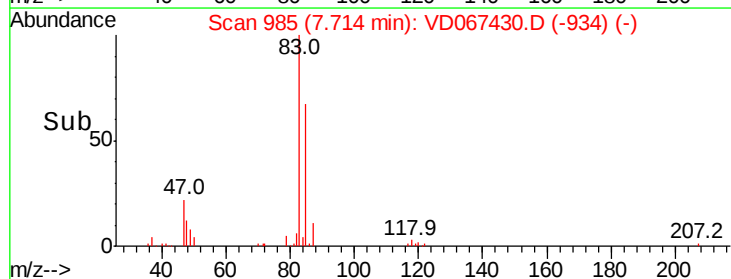
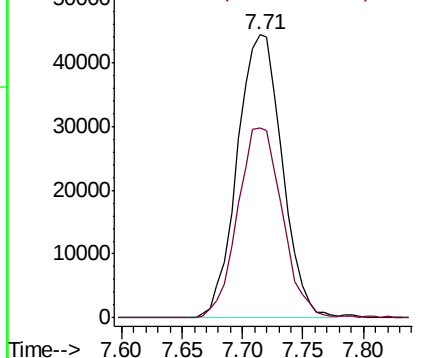
83 100

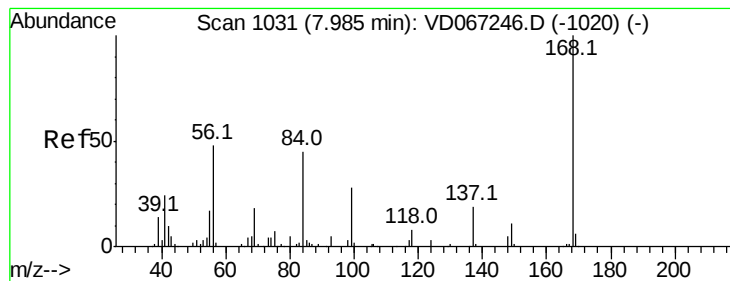
85 66.9 47.3 70.9



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 18.904 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBS01

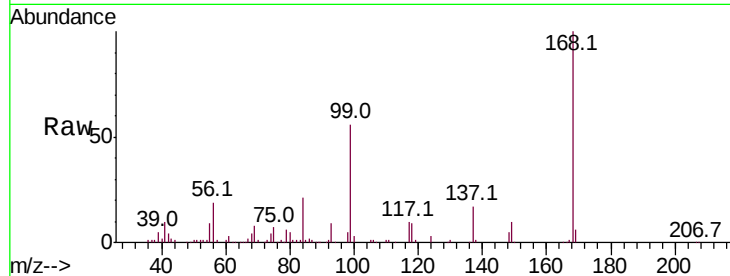
Tot Ion: 56 Resp: 67857

Ion Ratio Lower Upper

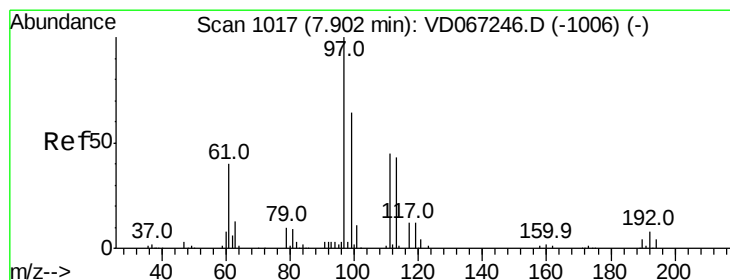
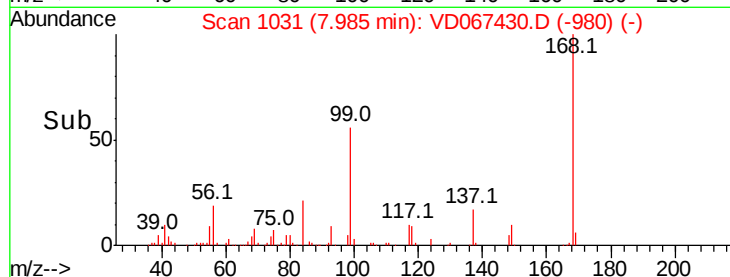
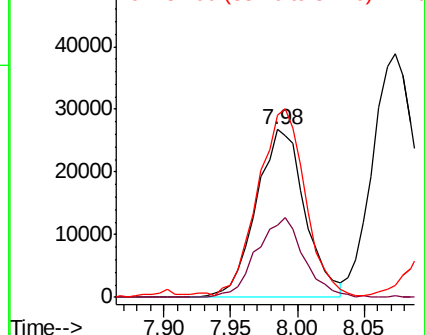
56 100

69 43.0 29.8 44.6

84 106.8 76.6 114.8



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 20.214 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

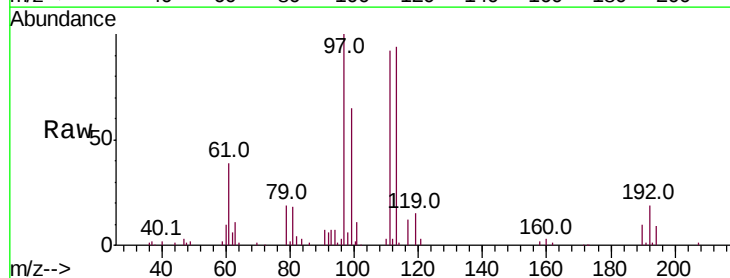
Tgt Ion: 97 Resp: 108929

Ion Ratio Lower Upper

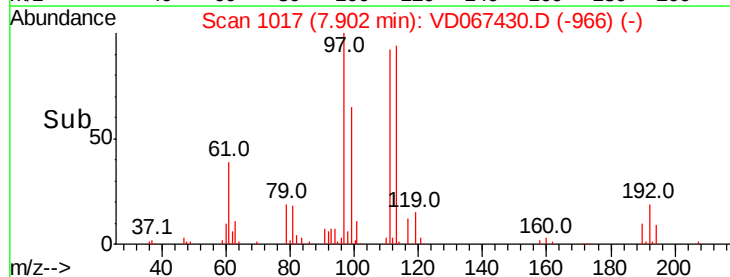
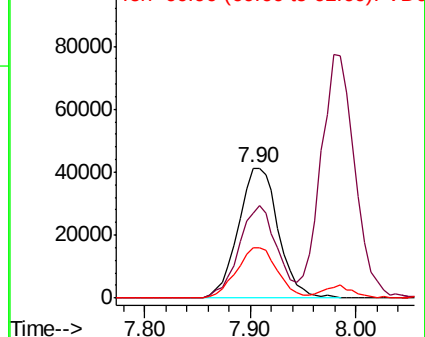
97 100

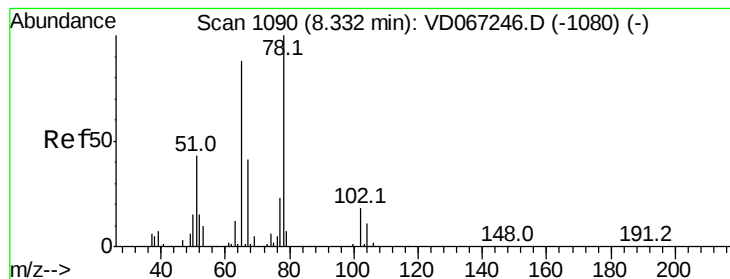
99 67.4 50.2 75.4

61 39.6 30.5 45.7



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 51.086 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

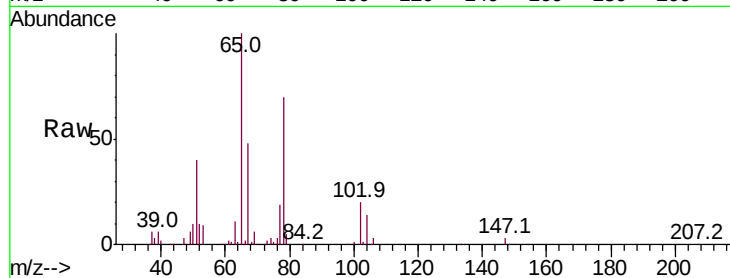
VD1028SBS01

Tot Ion: 65 Resp: 159212

Ion Ratio Lower Upper

65 100

67 49.3 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

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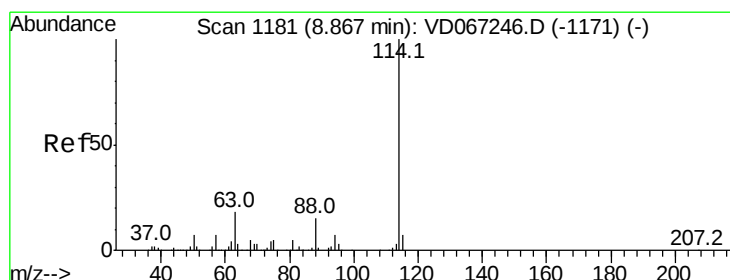
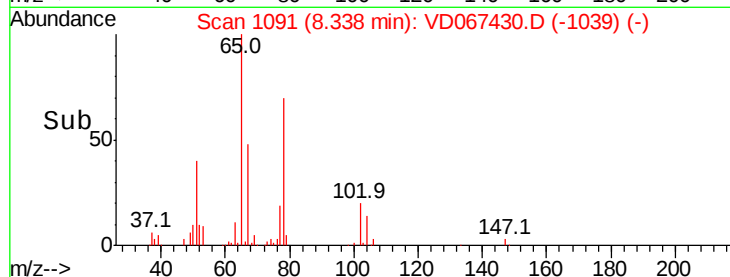
8.34

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

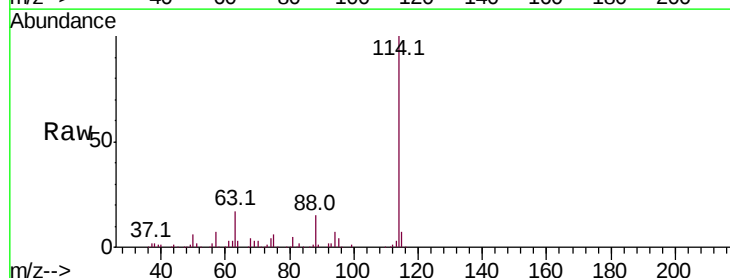
Tgt Ion: 114 Resp: 458540

Ion Ratio Lower Upper

114 100

63 17.1 0.0 35.0

88 15.3 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

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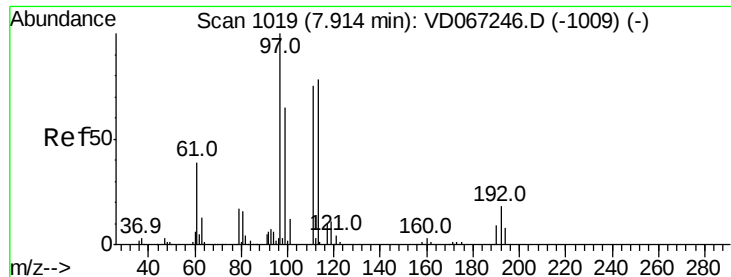
8.87

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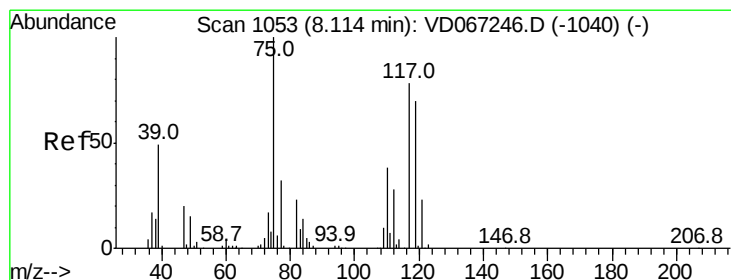
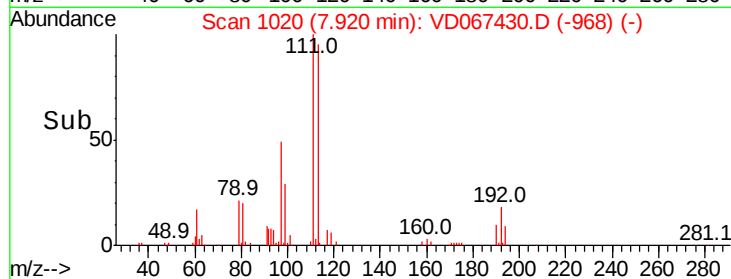
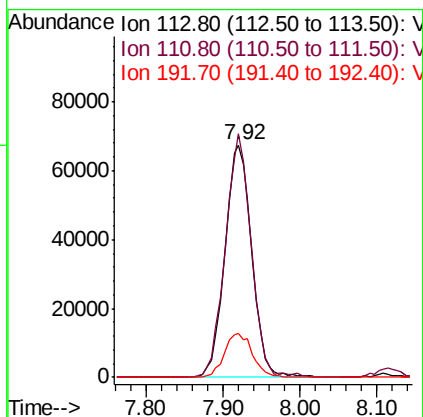
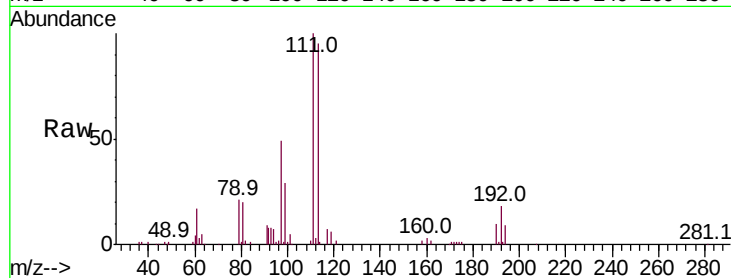
8.87



#35
Dibromofluoromethane
Concen: 53.661 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

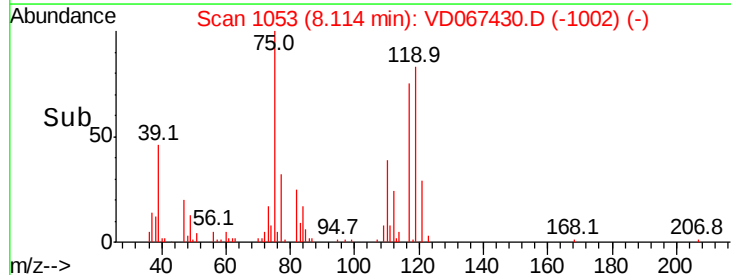
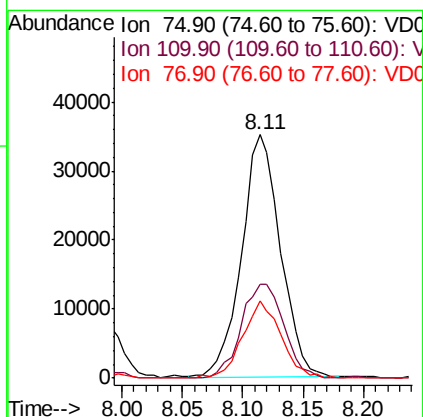
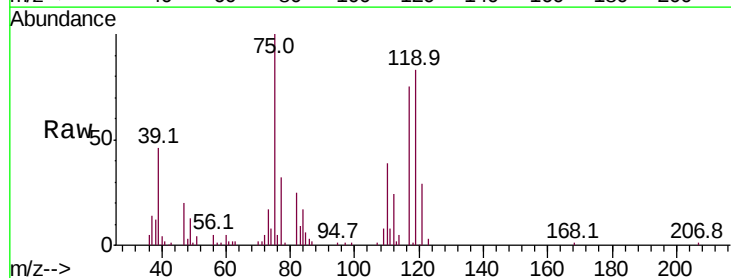
Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

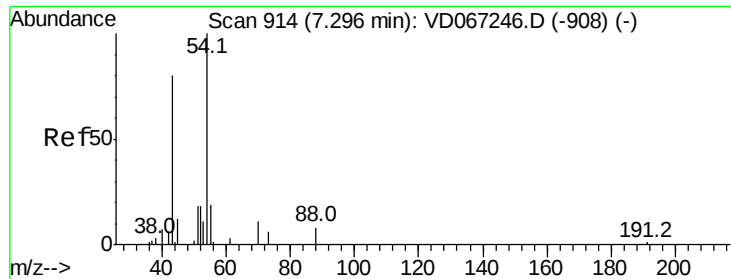
Tot Ion:113 Resp: 163751
Ion Ratio Lower Upper
113 100
111 101.5 81.6 122.4
192 19.8 17.0 25.4



#36
1,1-Dichloropropene
Concen: 20.284 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Tgt Ion: 75 Resp: 78834
Ion Ratio Lower Upper
75 100
110 42.0 19.6 58.7
77 31.3 24.6 37.0

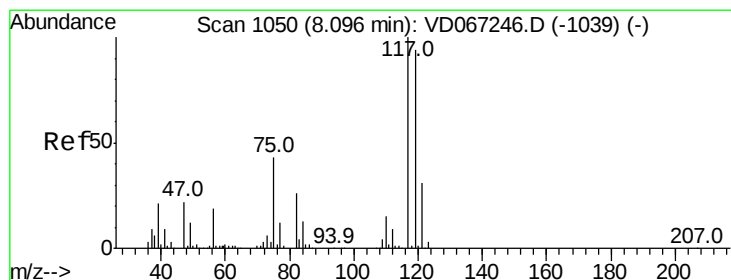
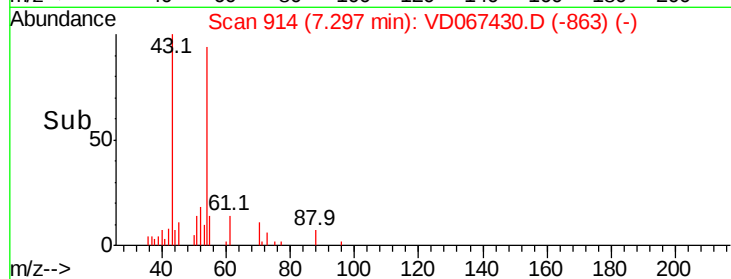
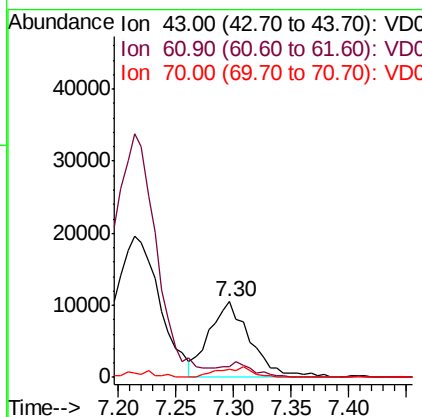
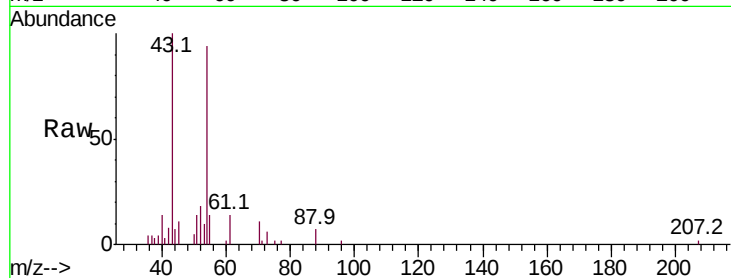




#37
Ethyl Acetate
Concen: 22.938 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

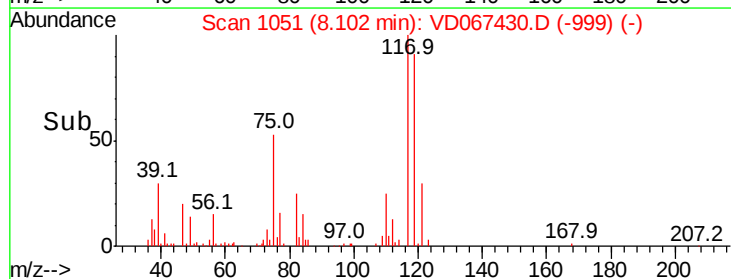
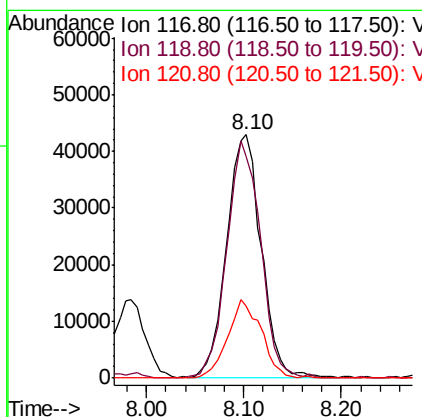
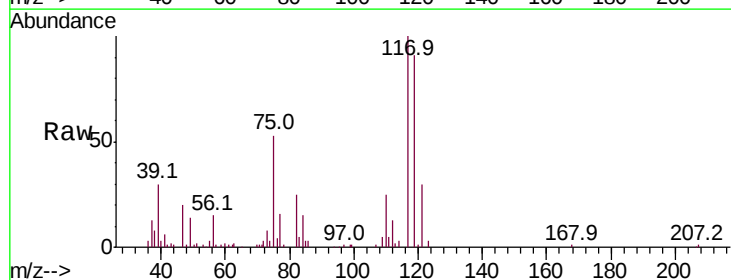
Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

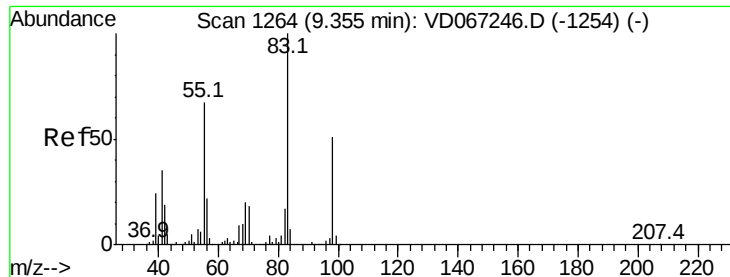
Tot Ion: 43 Resp: 26228
Ion Ratio Lower Upper
43 100
61 13.7 15.6 23.4#
70 11.3 10.4 15.6



#38
Carbon Tetrachloride
Concen: 21.137 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Tgt Ion: 117 Resp: 104993
Ion Ratio Lower Upper
117 100
119 91.6 75.0 112.4
121 29.9 24.9 37.3

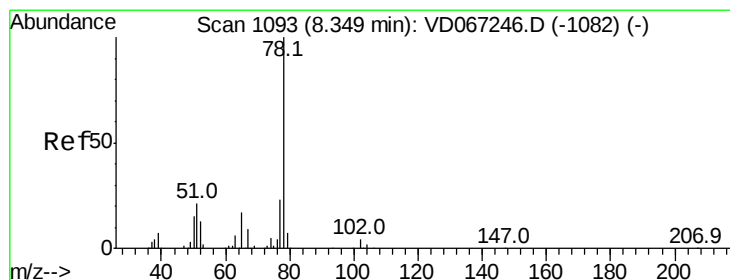
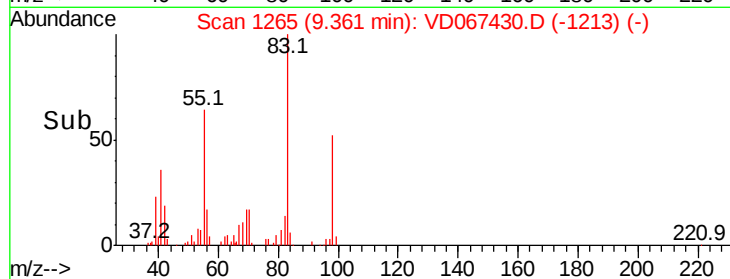
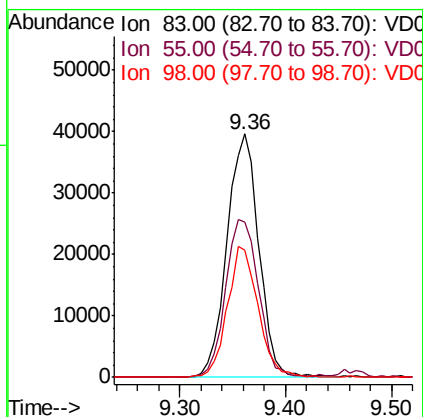
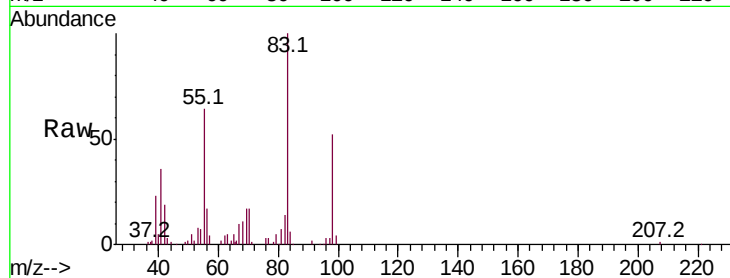




#39
Methvlcvclohexane
Concen: 20.326 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

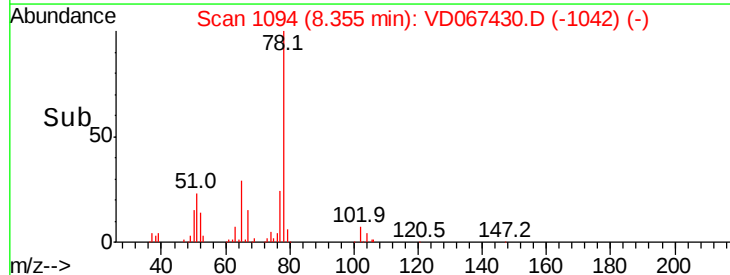
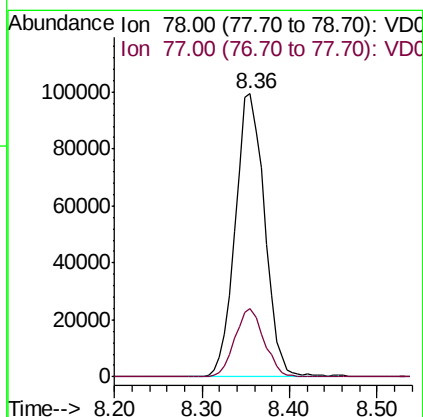
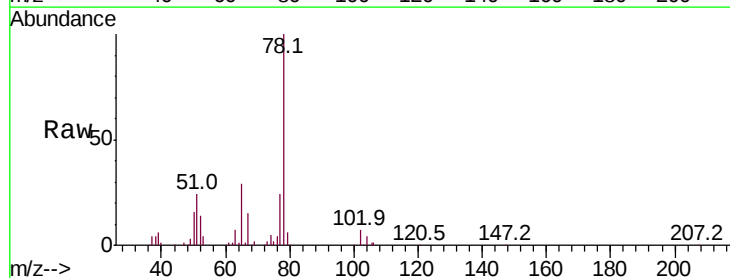
Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

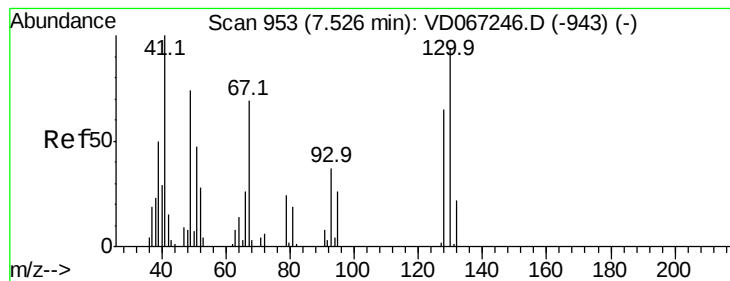
Tot Ion: 83 Resp: 82583
Ion Ratio Lower Upper
83 100
55 63.8 53.3 79.9
98 52.4 41.0 61.4



#40
Benzene
Concen: 21.213 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Tgt Ion: 78 Resp: 226168
Ion Ratio Lower Upper
78 100
77 24.1 18.3 27.5





#41

Methacrylonitrile

Concen: 50.671 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.04 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBS01

Tot Ion: 41 Resp: 31310

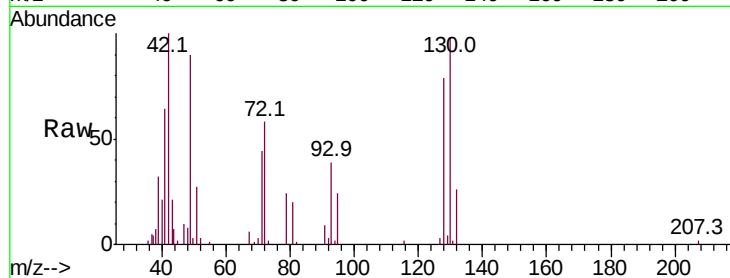
Ion Ratio Lower Upper

41 100

39 25.9 60.0 90.0#

67 0.0 88.9 133.3#

52 0.0 36.9 55.3#

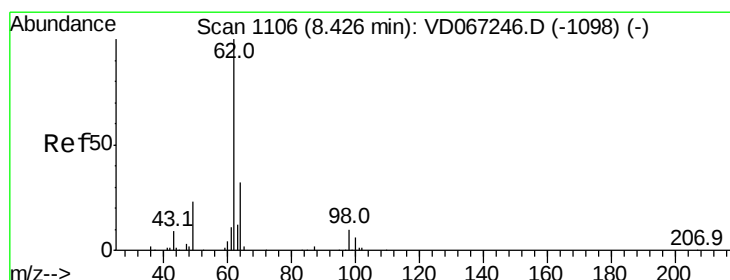
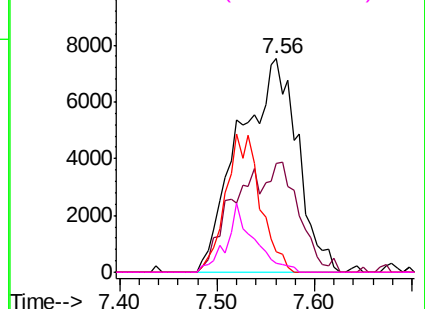
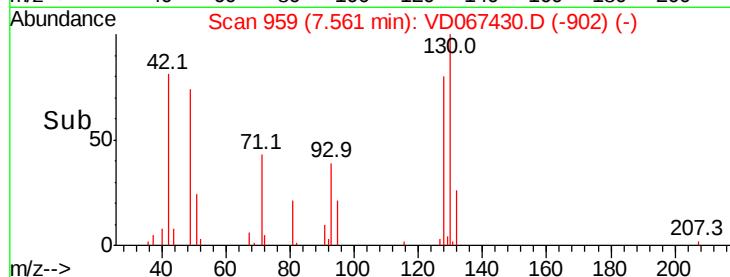


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 21.508 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD067430.D

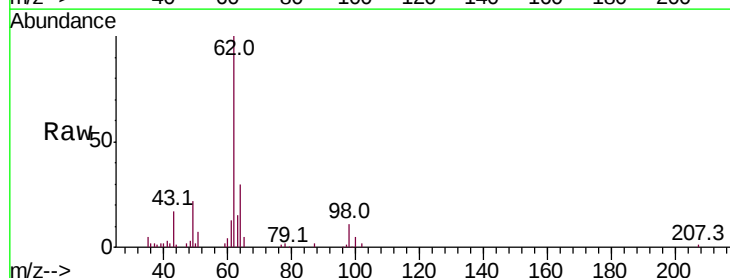
Acq: 28 Oct 2020 13:31

Tgt Ion: 62 Resp: 71763

Ion Ratio Lower Upper

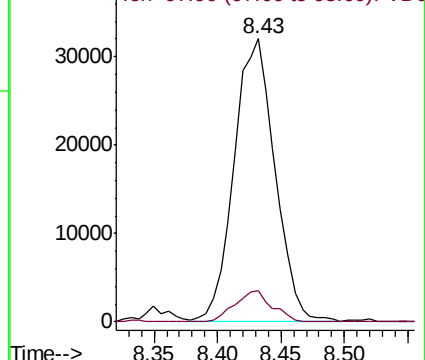
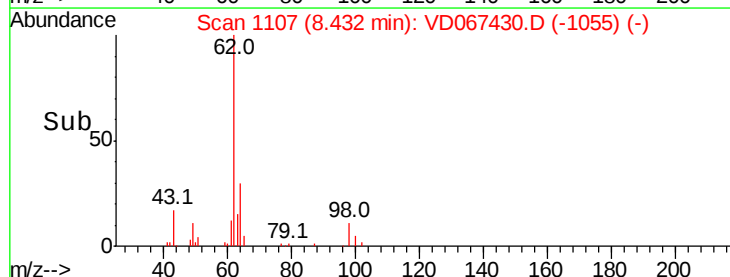
62 100

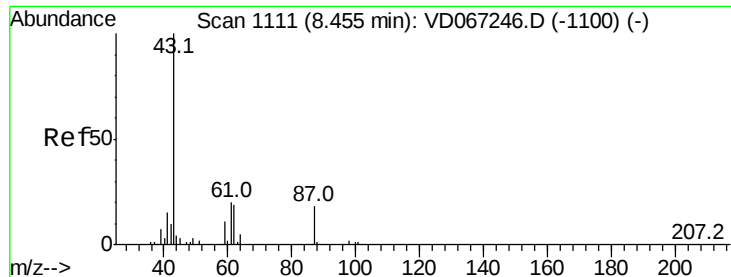
98 10.0 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 21.563 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBS01

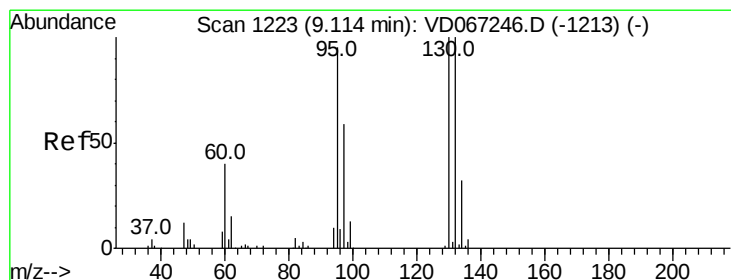
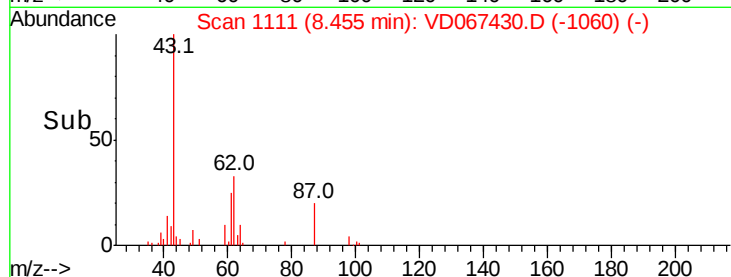
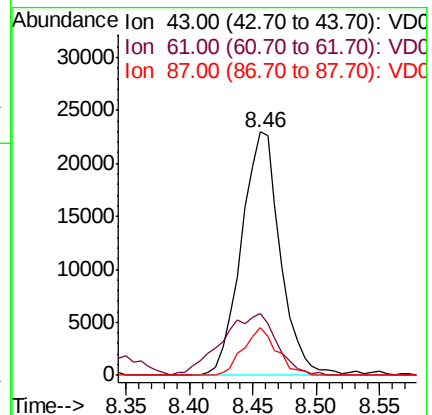
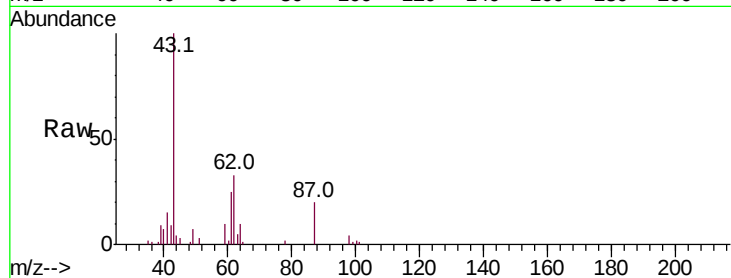
Tot Ion: 43 Resp: 48924

Ion Ratio Lower Upper

43 100

61 35.6 29.5 44.3

87 16.7 14.2 21.4



#44

Trichloroethene

Concen: 21.055 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD067430.D

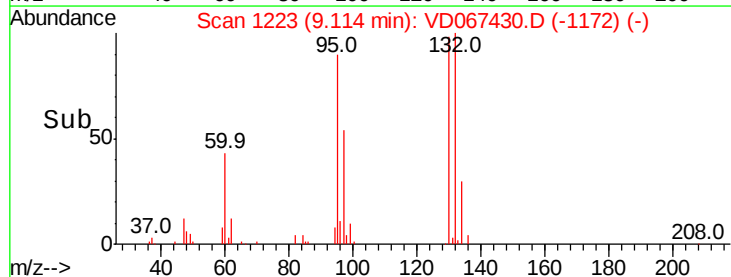
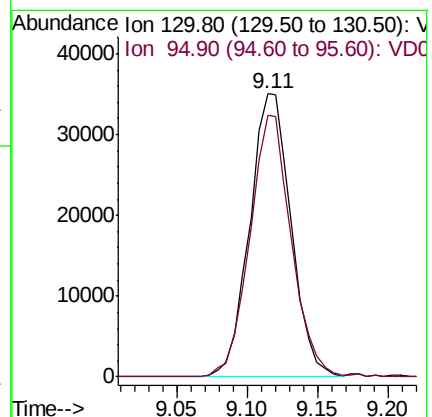
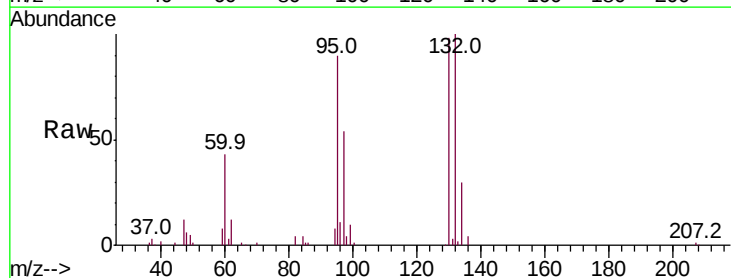
Acq: 28 Oct 2020 13:31

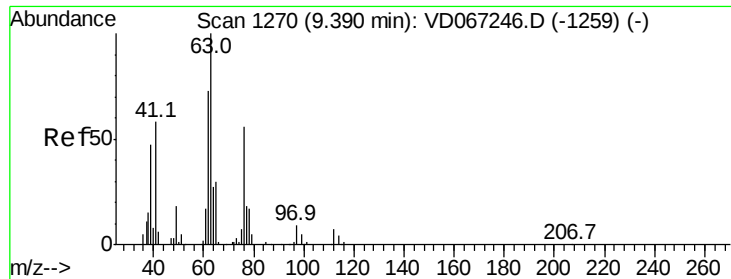
Tgt Ion: 130 Resp: 71875

Ion Ratio Lower Upper

130 100

95 92.3 0.0 190.6





#45

1,2-Dichloropropane

Concen: 21.583 ug/l

RT: 9.40 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

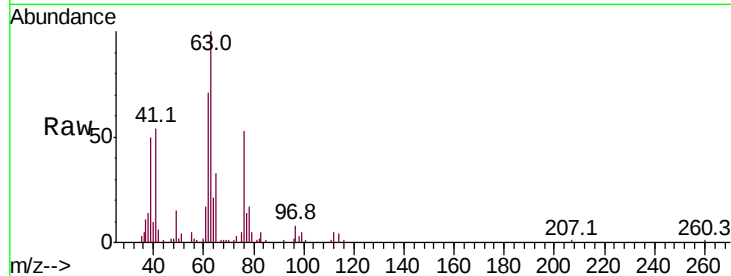
VD1028SBS01

Tot Ion: 63 Resp: 53332

Ion Ratio Lower Upper

63 100

65 32.5 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.40

25000

20000

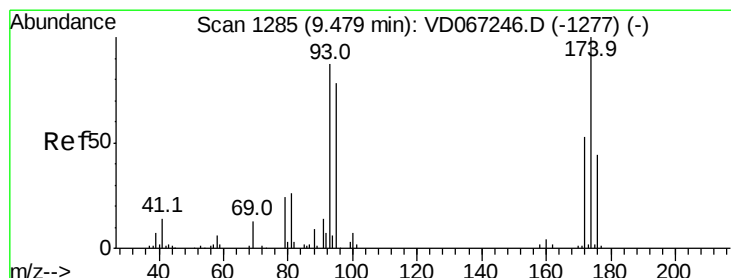
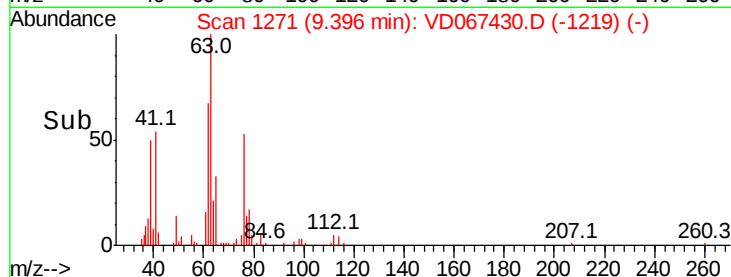
15000

10000

5000

0

Time--> 9.30 9.40 9.50



#46

Dibromomethane

Concen: 20.742 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

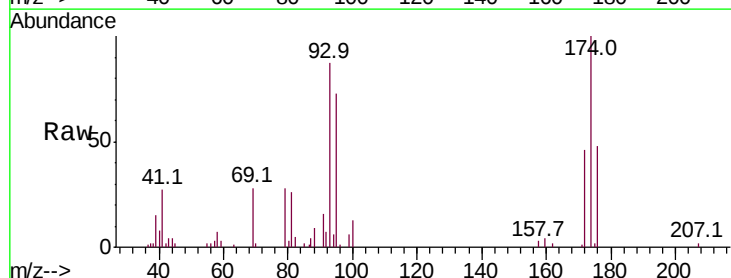
Tgt Ion: 93 Resp: 31934

Ion Ratio Lower Upper

93 100

95 83.9 68.0 102.0

174 115.4 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

9.48

25000

20000

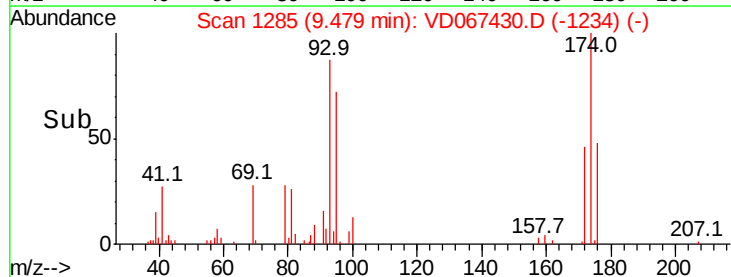
15000

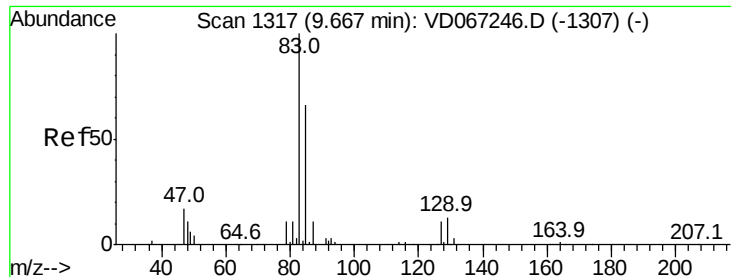
10000

5000

0

Time--> 9.40 9.45 9.50 9.55





#47

Bromodichloromethane

Concen: 21.684 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBS01

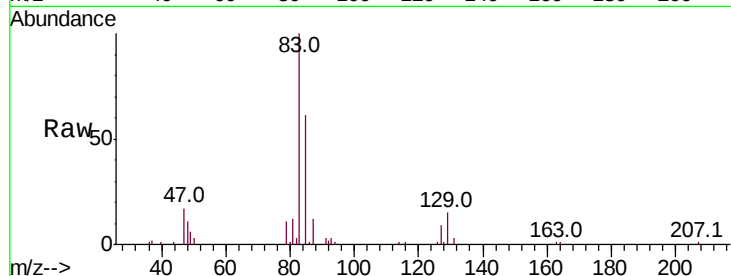
Tot Ion: 83 Resp: 89443

Ion Ratio Lower Upper

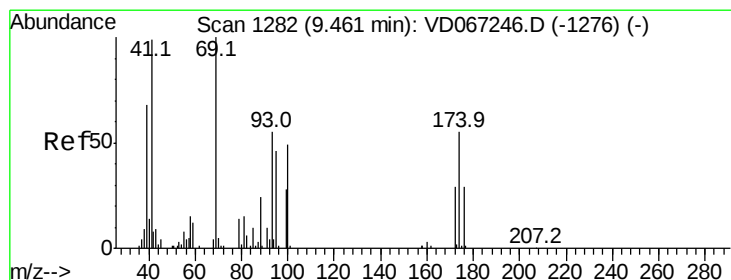
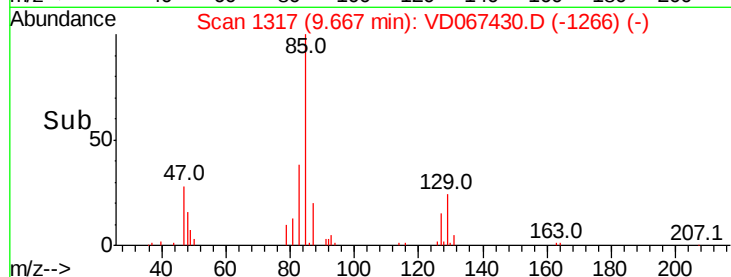
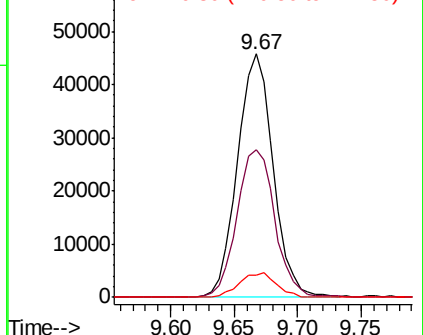
83 100

85 60.9 53.1 79.7

127 9.2 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: 20.741 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

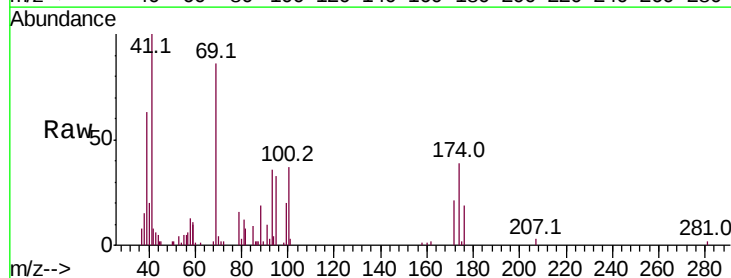
Tgt Ion: 41 Resp: 22869

Ion Ratio Lower Upper

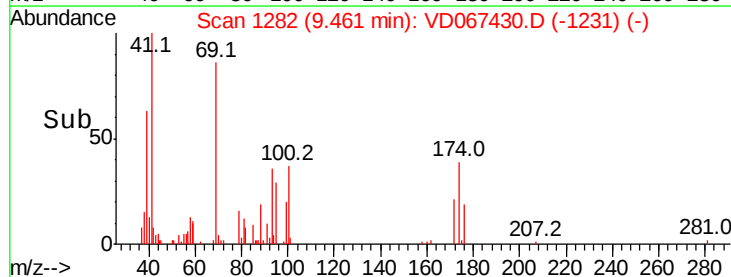
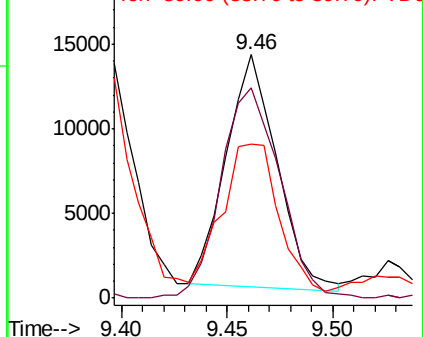
41 100

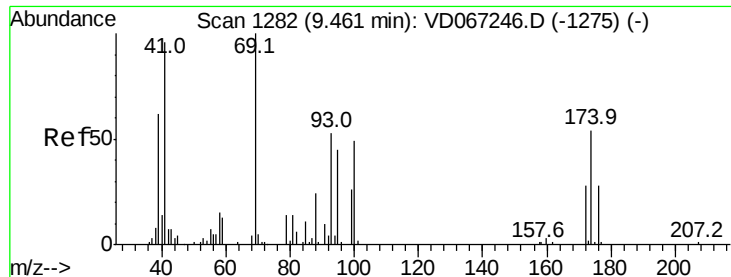
69 105.7 89.0 133.6

39 77.4 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: 424.574 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBS01

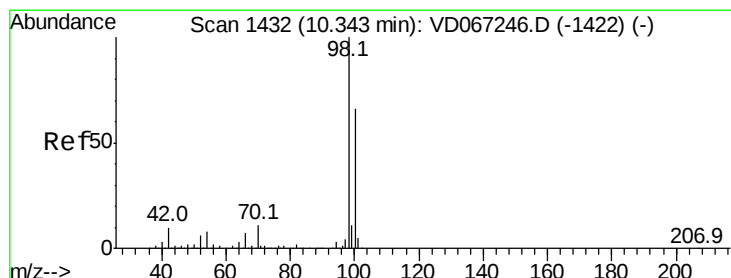
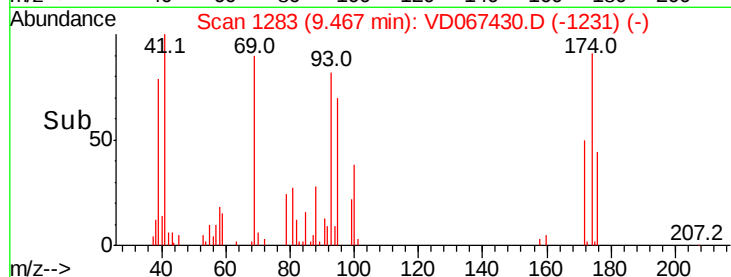
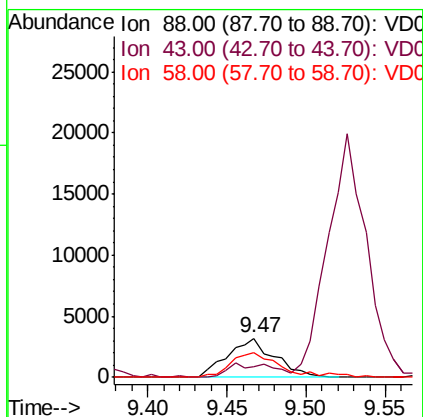
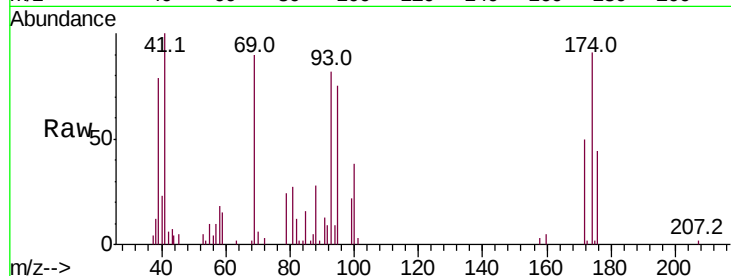
Tot Ion: 88 Resp: 6586

Ion Ratio Lower Upper

88 100

43 18.7 23.9 35.9#

58 68.0 51.0 76.6



#50

Toluene-d8

Concen: 52.530 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067430.D

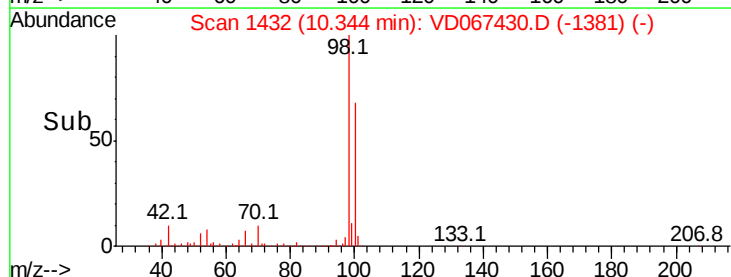
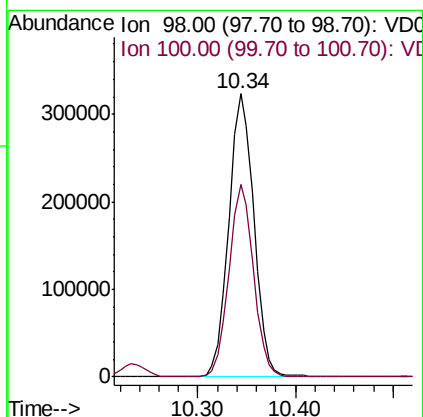
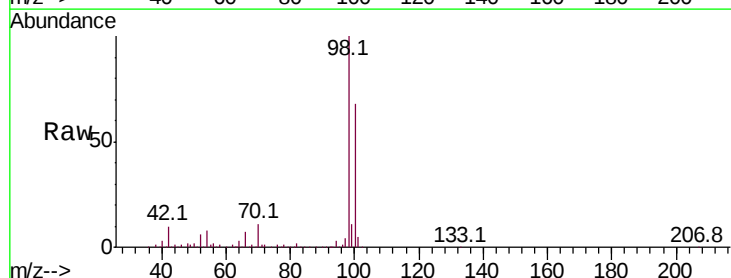
Acq: 28 Oct 2020 13:31

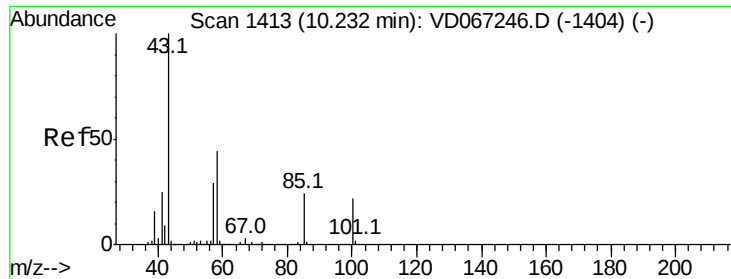
Tgt Ion: 98 Resp: 580113

Ion Ratio Lower Upper

98 100

100 66.4 53.1 79.7

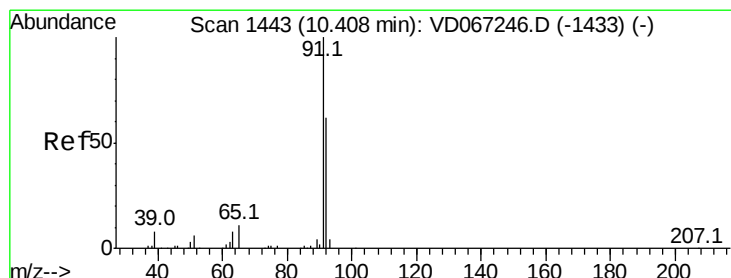
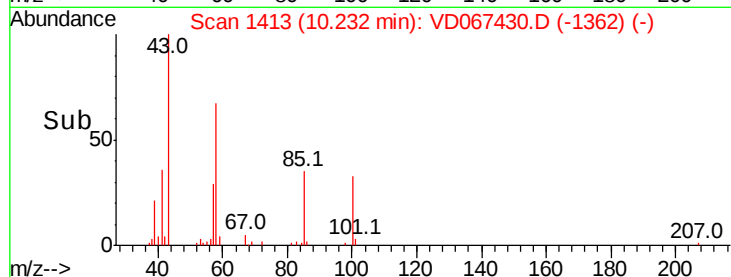
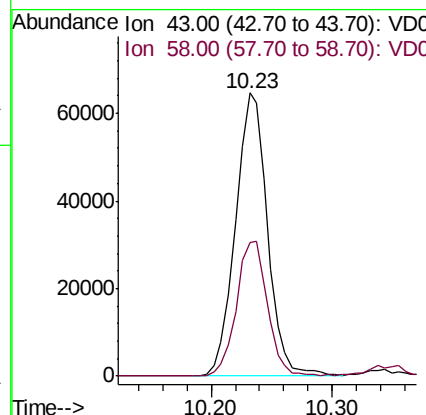
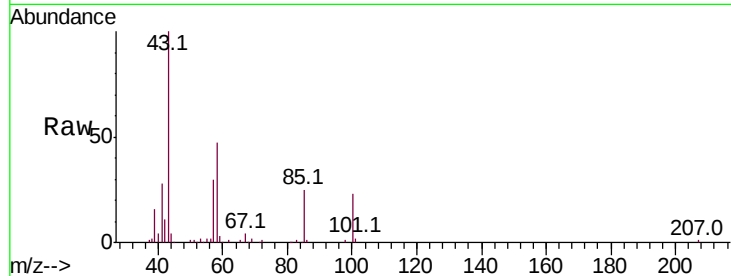




#51
4-Methyl-2-Pentanone
Concen: 105.767 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

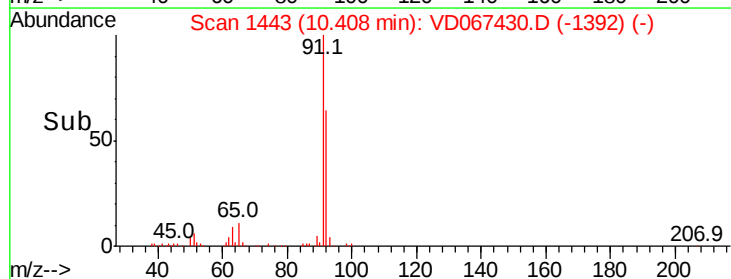
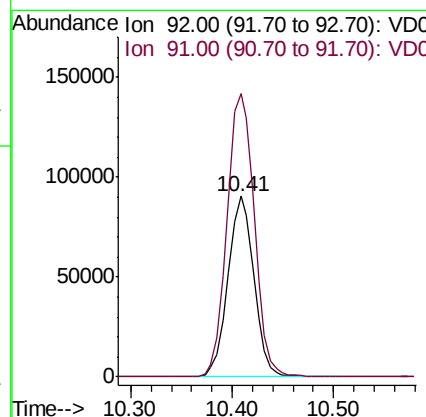
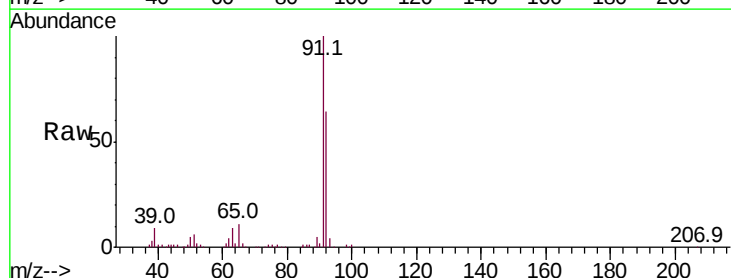
Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

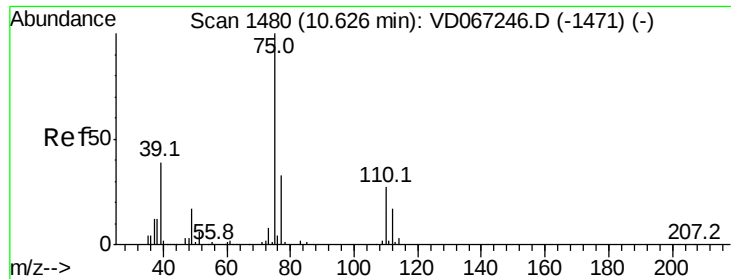
Tot Ion: 43 Resp: 119693
Ion Ratio Lower Upper
43 100
58 46.1 35.7 53.5



#52
Toluene
Concen: 22.134 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Tgt Ion: 92 Resp: 160734
Ion Ratio Lower Upper
92 100
91 165.1 133.8 200.8





#53

t-1,3-Dichloropropene

Concen: 21.246 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

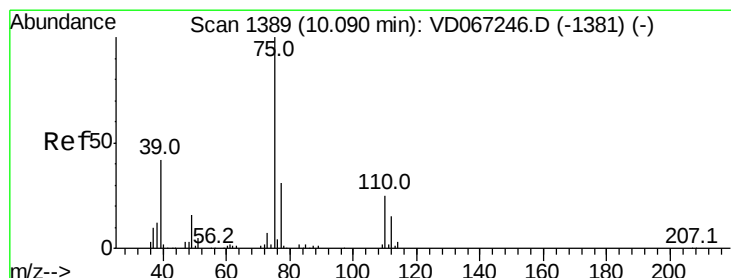
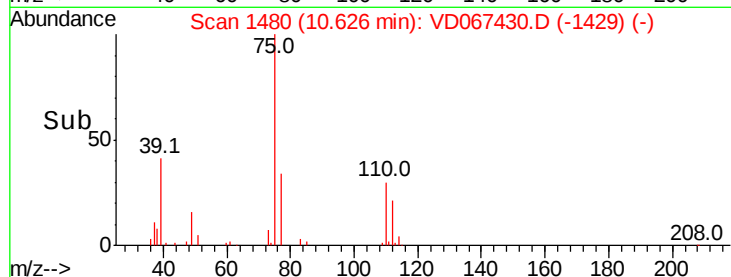
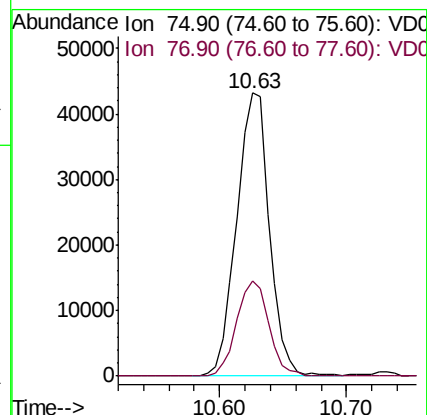
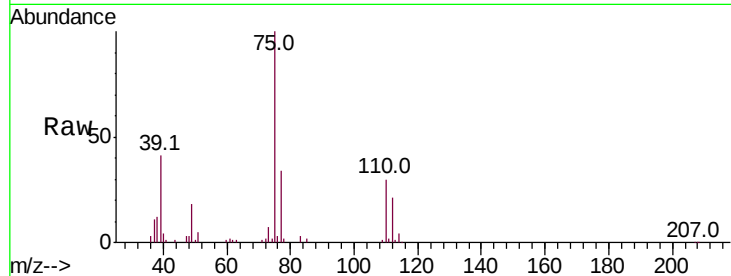
VD1028SBS01

Tot Ion: 75 Resp: 76984

Ion Ratio Lower Upper

75 100

77 33.8 26.5 39.7



#54

cis-1,3-Dichloropropene

Concen: 20.981 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.01 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

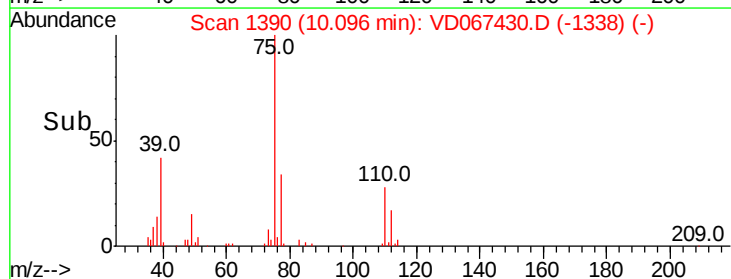
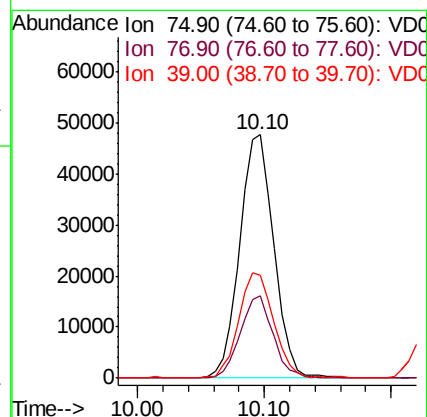
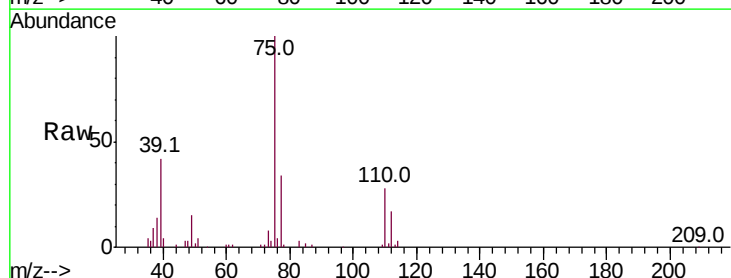
Tgt Ion: 75 Resp: 88971

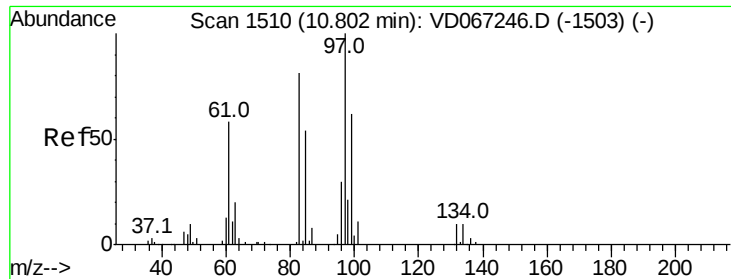
Ion Ratio Lower Upper

75 100

77 33.6 24.5 36.7

39 42.4 33.7 50.5

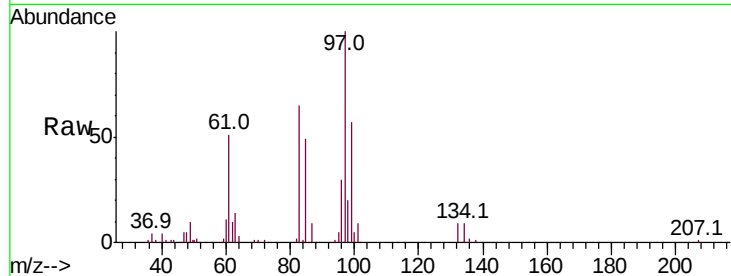




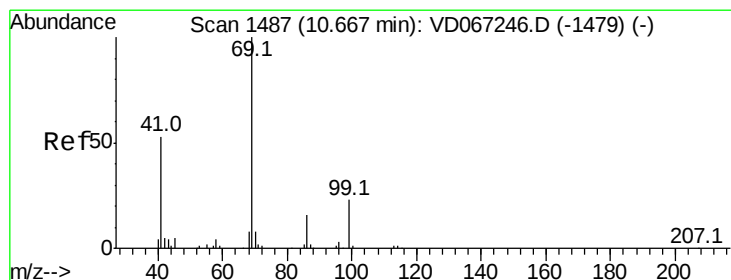
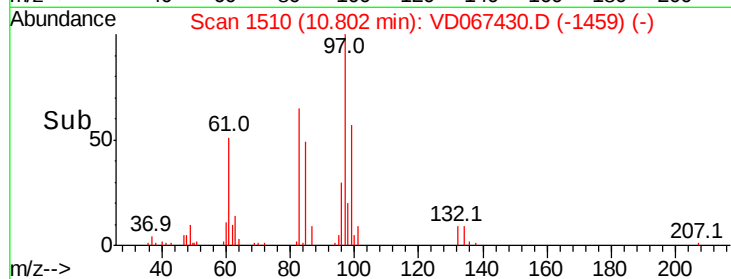
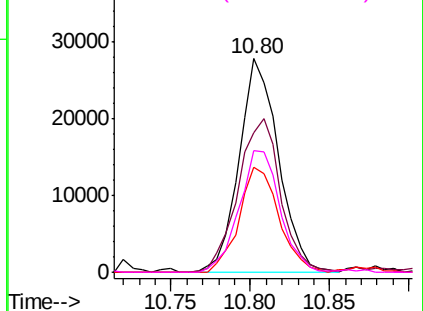
#55
 1,1,2-Trichloroethane
 Concen: 22.856 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067430.D
 Acq: 28 Oct 2020 13:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1028SBS01

Tot Ion:	97	Resp:	47983
Ion	Ratio	Lower	Upper
97	100		
83	65.4	64.9	97.3
85	49.1	43.3	64.9
99	57.1	49.1	73.7

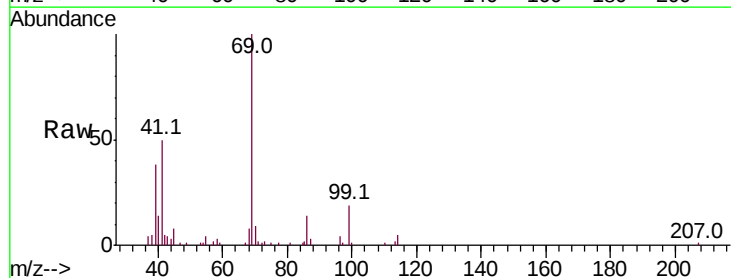


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

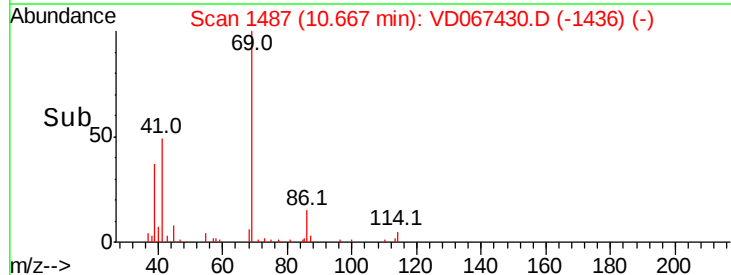
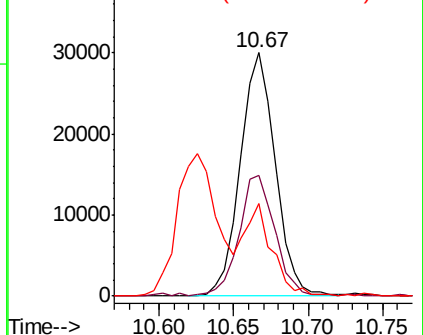


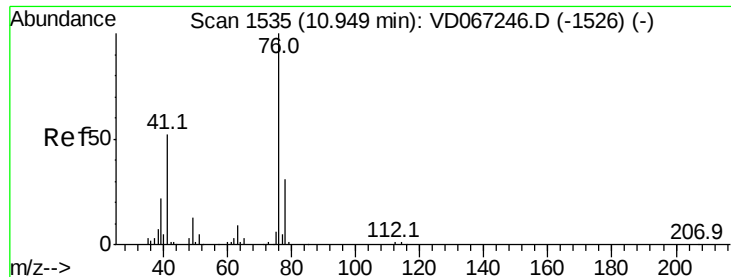
#56
 Ethyl methacrylate
 Concen: 22.411 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD067430.D
 Acq: 28 Oct 2020 13:31

Tgt Ion:	69	Resp:	48795
Ion	Ratio	Lower	Upper
69	100		
41	50.8	44.7	67.1
39	30.9	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: 21.944 ug/l

RT: 10.96 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

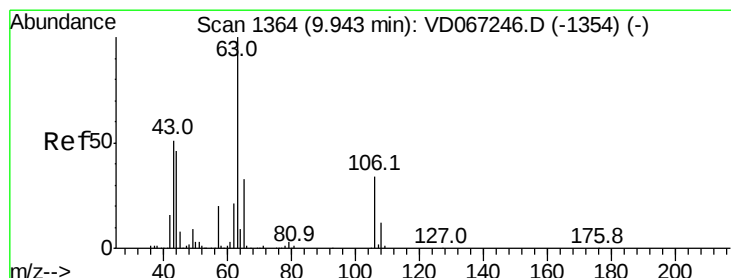
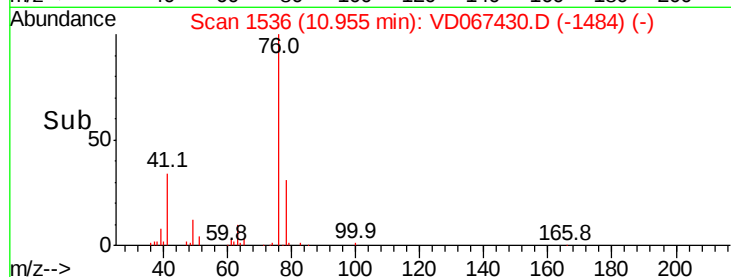
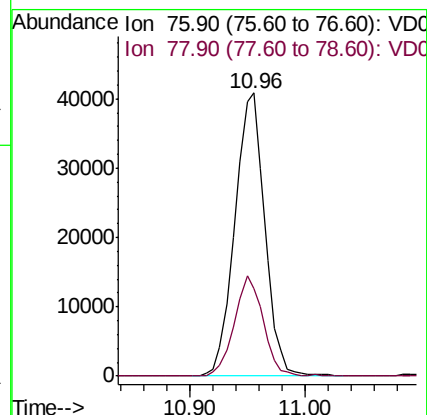
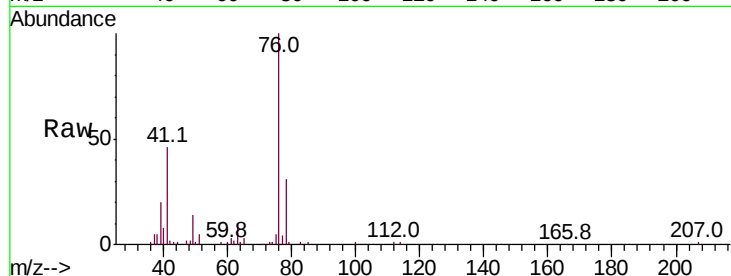
VD1028SBS01

Tot Ion: 76 Resp: 73317

Ion Ratio Lower Upper

76 100

78 33.8 26.8 40.2



#58

2-Chloroethyl Vinyl ether

Concen: 108.547 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VD067430.D

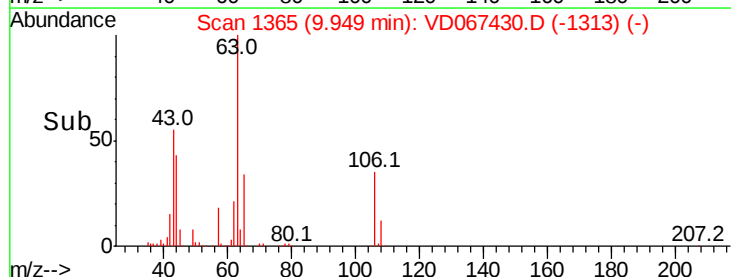
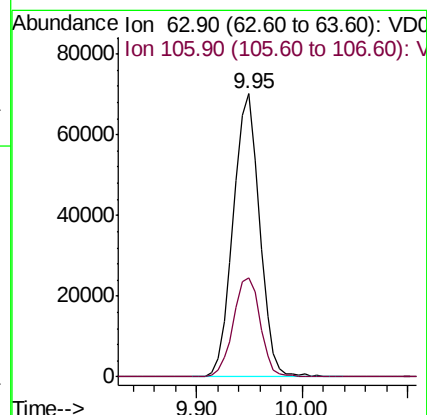
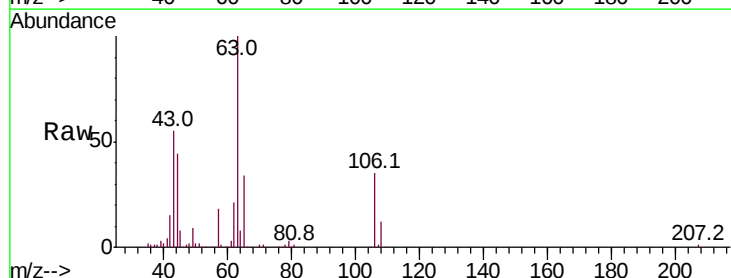
Acq: 28 Oct 2020 13:31

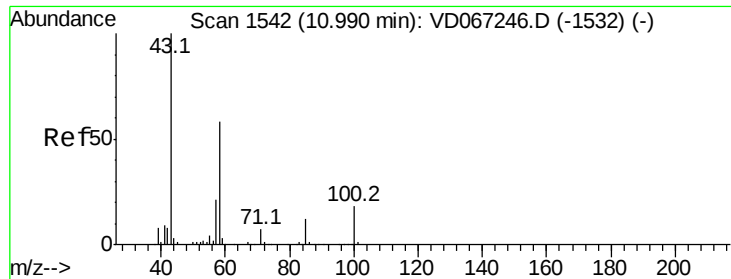
Tgt Ion: 63 Resp: 121242

Ion Ratio Lower Upper

63 100

106 35.6 27.8 41.6

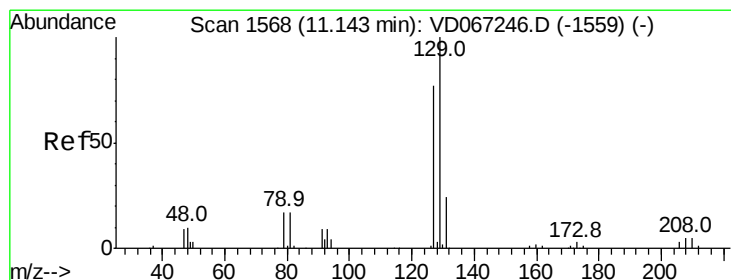
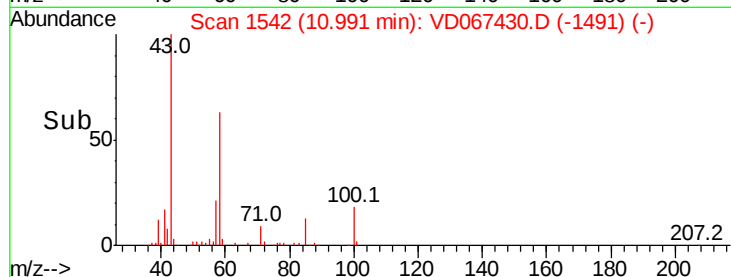
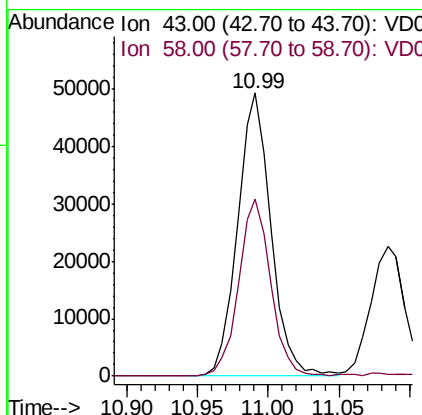
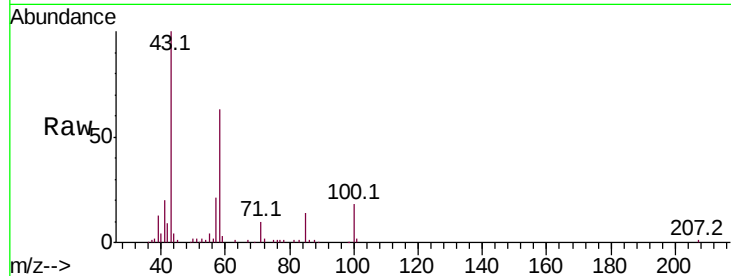




#59
2-Hexanone
Concen: 105.300 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

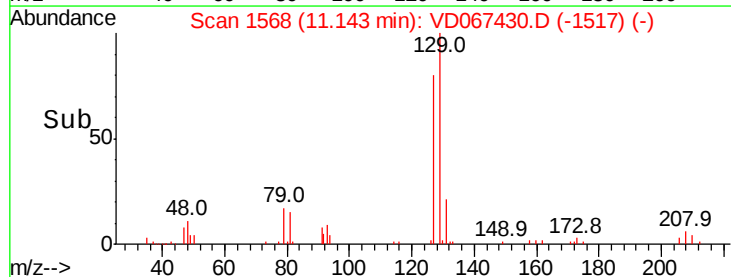
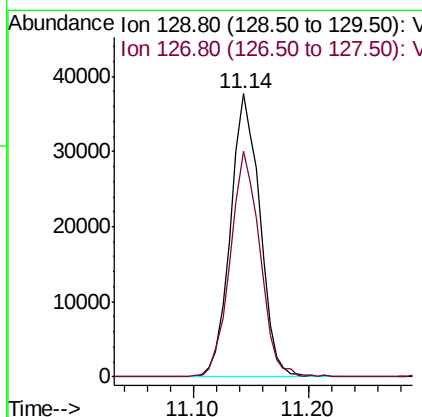
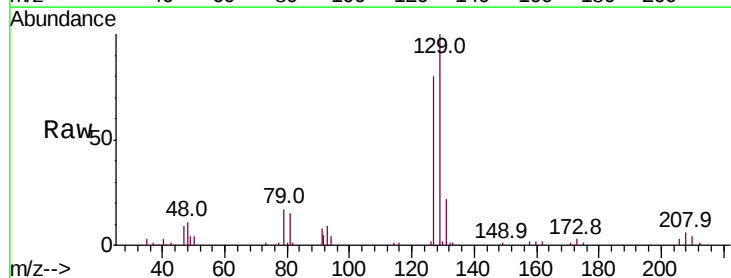
Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

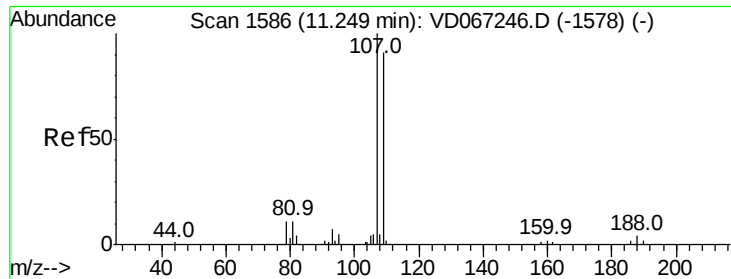
Tot Ion: 43 Resp: 81429
Ion Ratio Lower Upper
43 100
58 59.8 29.3 87.9



#60
Dibromochloromethane
Concen: 21.688 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Tgt Ion: 129 Resp: 66401
Ion Ratio Lower Upper
129 100
127 80.3 38.3 114.8

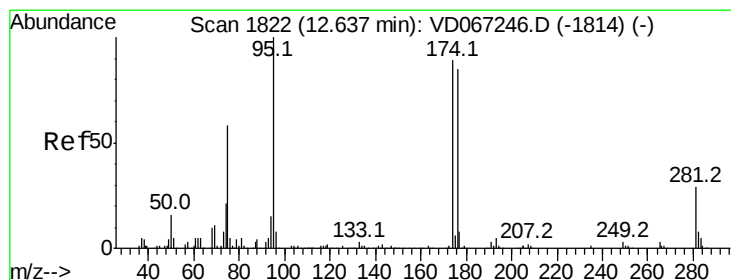
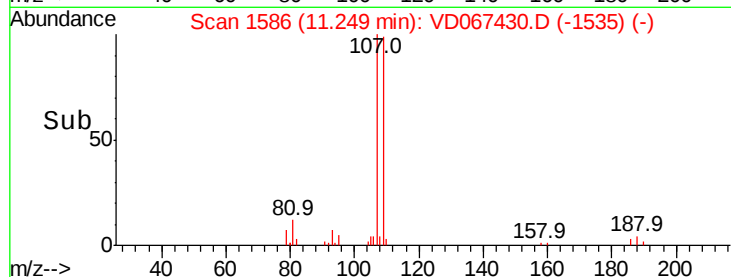
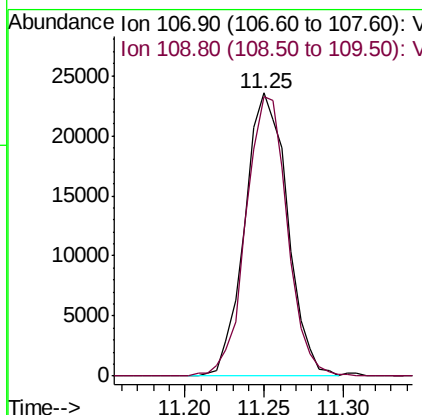
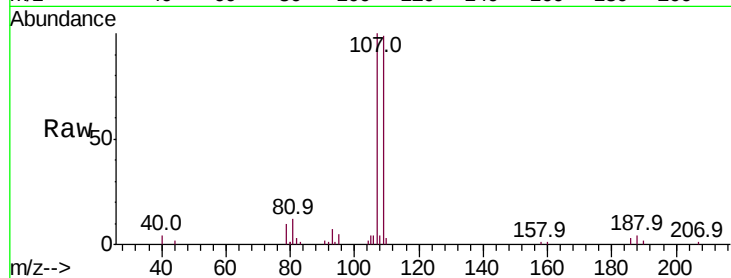




#61
 1,2-Dibromoethane
 Concen: 21.361 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067430.D
 Acq: 28 Oct 2020 13:31

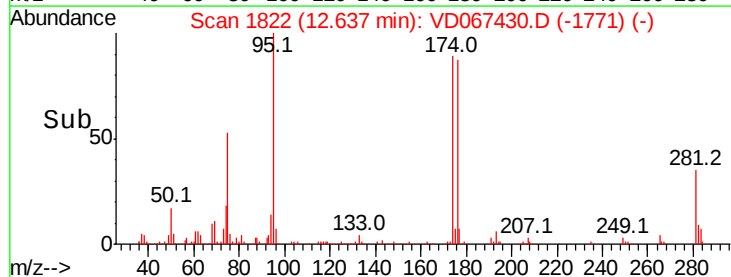
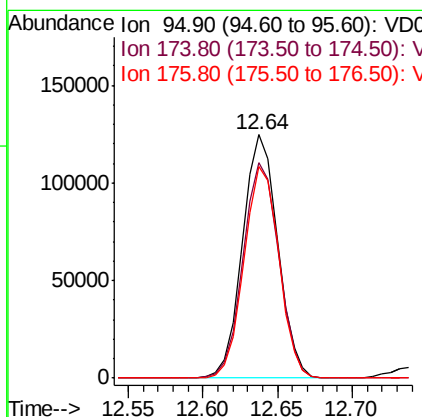
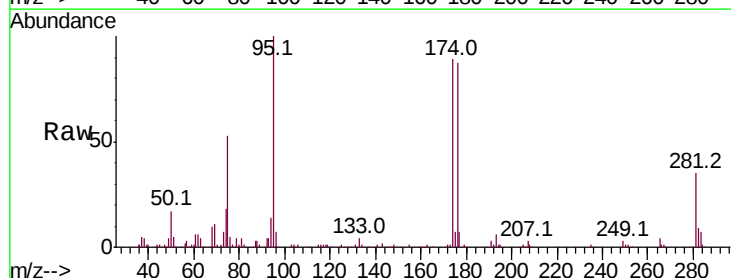
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1028SBS01

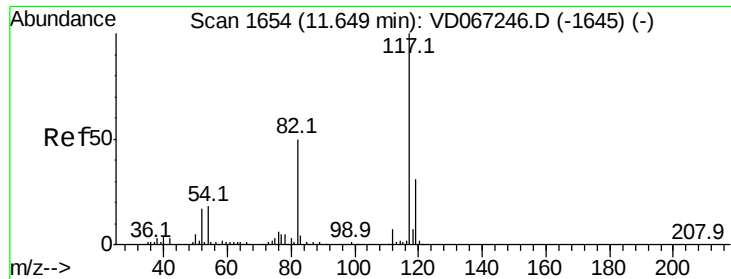
Tot Ion:107 Resp: 44211
 Ion Ratio Lower Upper
 107 100
 109 95.7 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 53.015 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067430.D
 Acq: 28 Oct 2020 13:31

Tgt Ion: 95 Resp: 203580
 Ion Ratio Lower Upper
 95 100
 174 89.8 0.0 175.2
 176 86.4 0.0 168.6

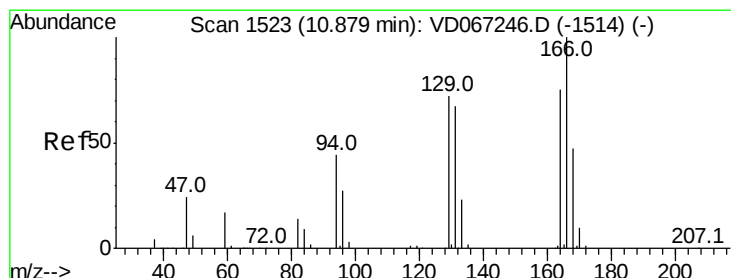
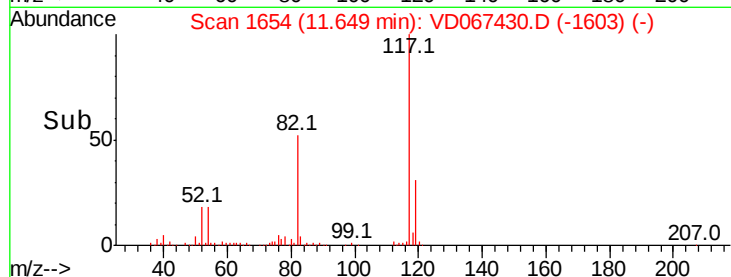
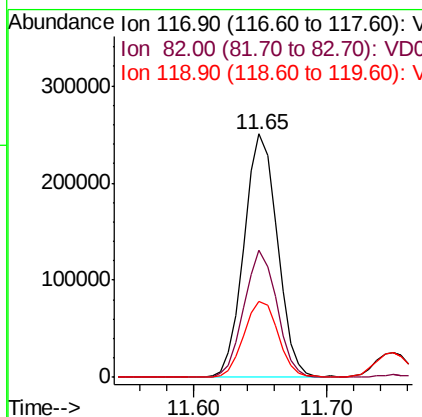
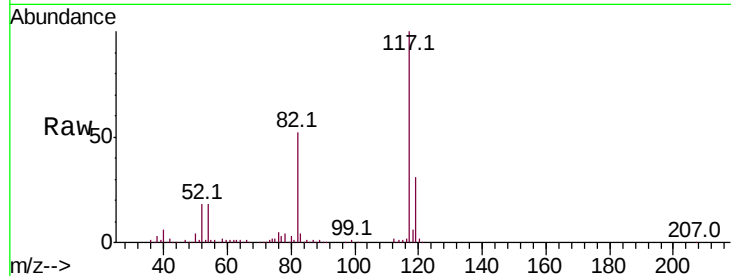




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

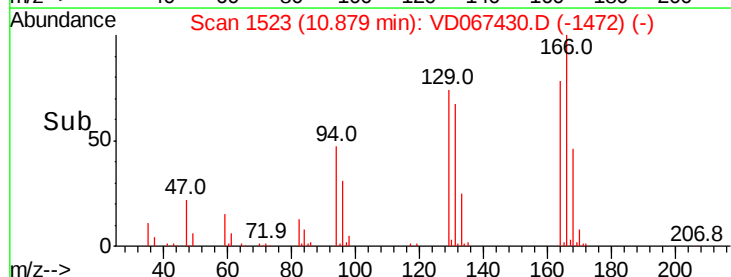
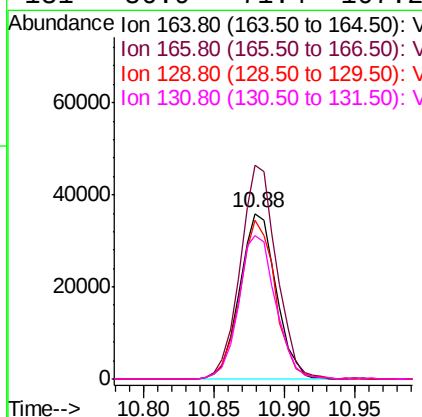
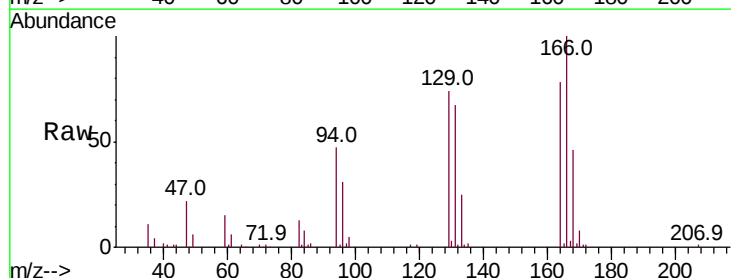
Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

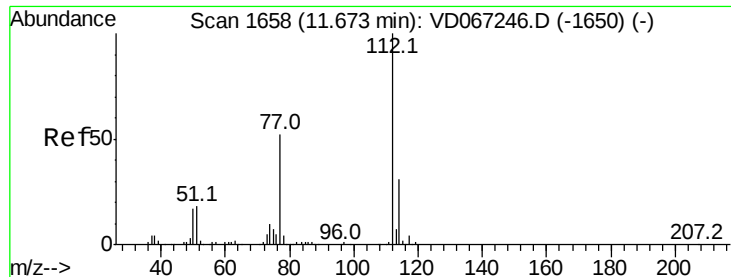
Tot Ion:117 Resp: 433725
Ion Ratio Lower Upper
117 100
82 52.0 39.9 59.9
119 31.4 24.9 37.3



#64
Tetrachloroethene
Concen: 20.693 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Tgt Ion:164 Resp: 65028
Ion Ratio Lower Upper
164 100
166 129.0 107.3 160.9
129 95.5 77.3 115.9
131 86.9 71.4 107.2

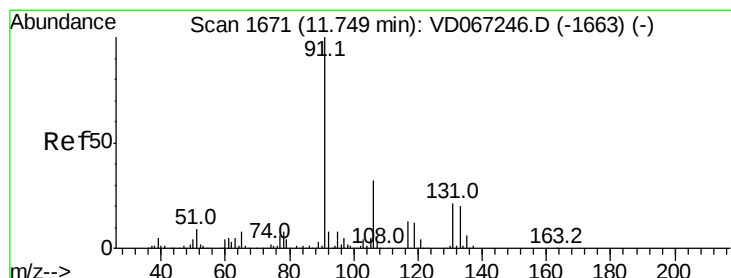
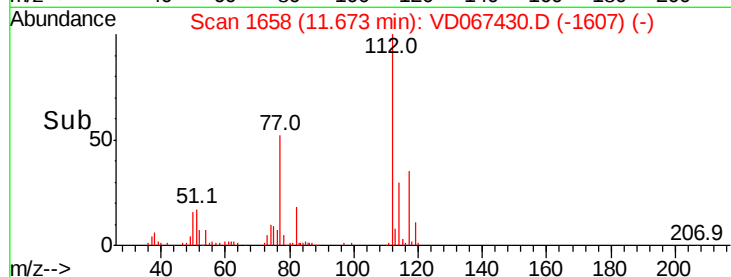
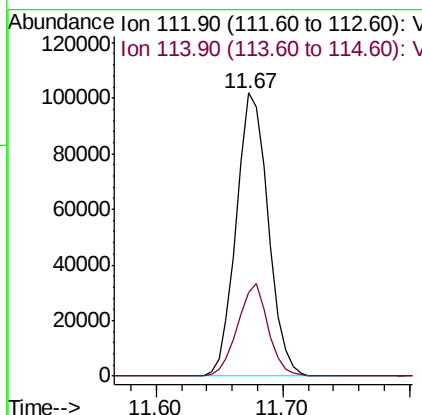
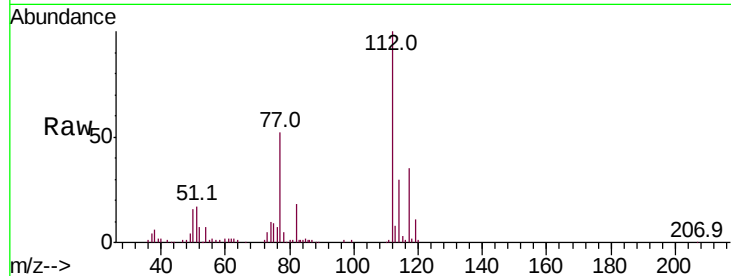




#65
Chlorobenzene
Concen: 21.450 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

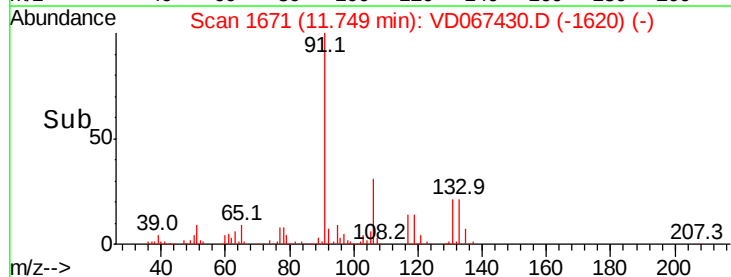
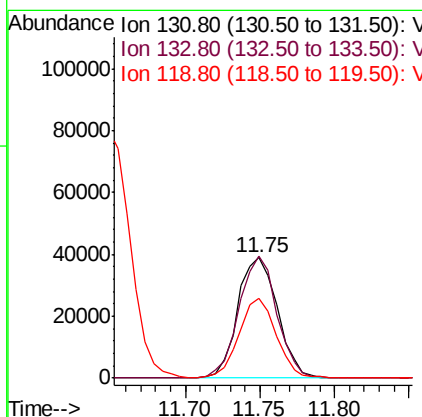
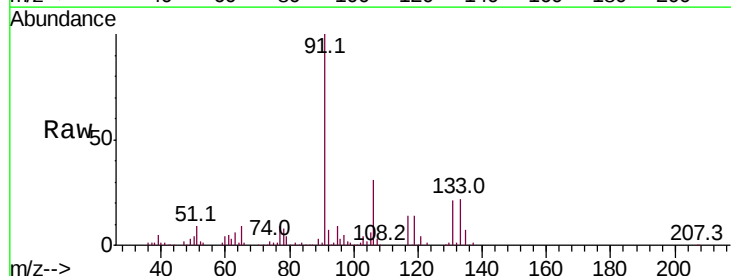
Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

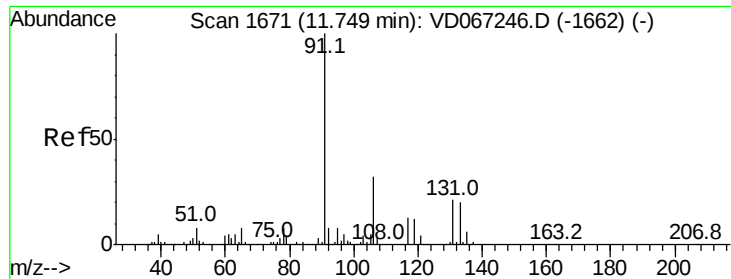
Tot Ion:112 Resp: 178405
Ion Ratio Lower Upper
112 100
114 29.6 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.753 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Tgt Ion:131 Resp: 71906
Ion Ratio Lower Upper
131 100
133 96.6 48.1 144.3
119 62.4 30.0 90.0





#67

Ethyl Benzene

Concen: 21.013 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

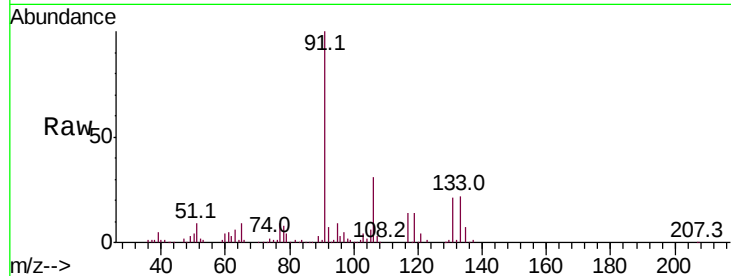
VD1028SBS01

Tot Ion: 91 Resp: 299593

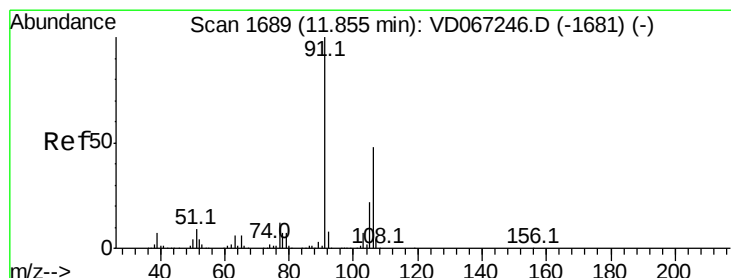
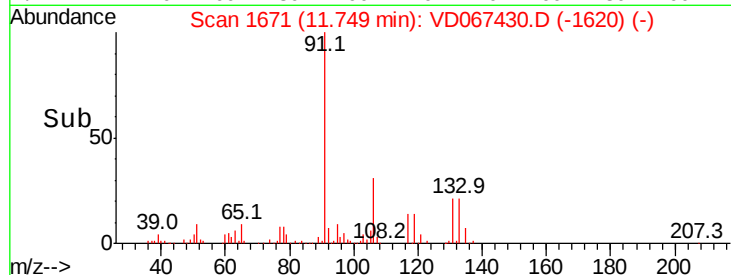
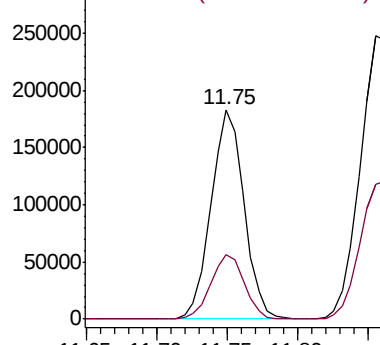
Ion Ratio Lower Upper

91 100

106 31.0 25.4 38.0



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 43.175 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD067430.D

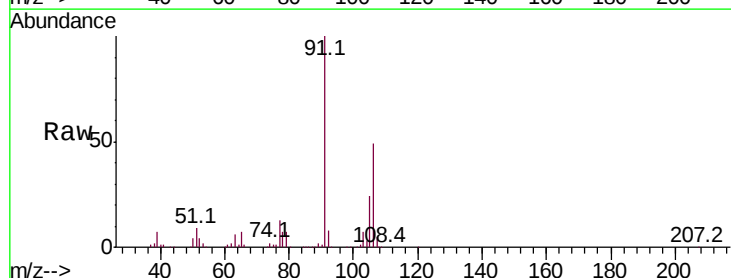
Acq: 28 Oct 2020 13:31

Tgt Ion: 106 Resp: 237039

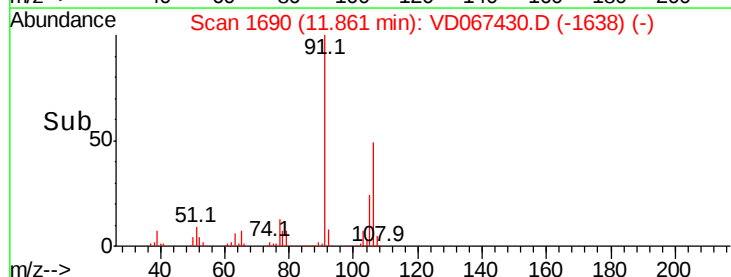
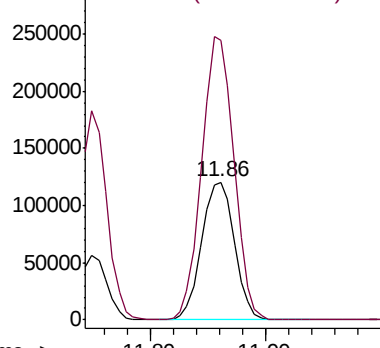
Ion Ratio Lower Upper

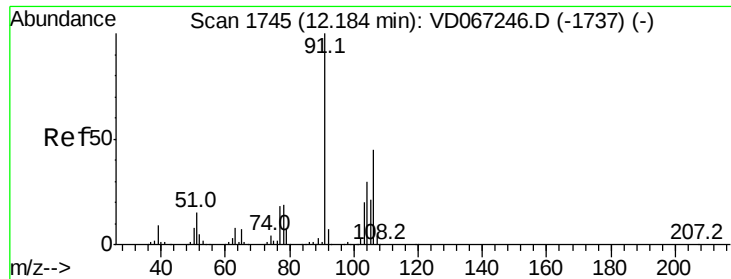
106 100

91 201.9 163.8 245.8



Abundance Ion 106.00 (105.70 to 106.70): V

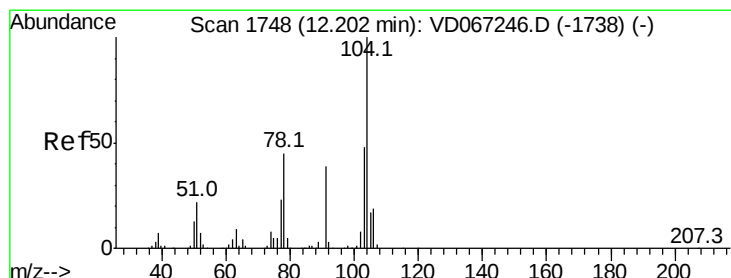
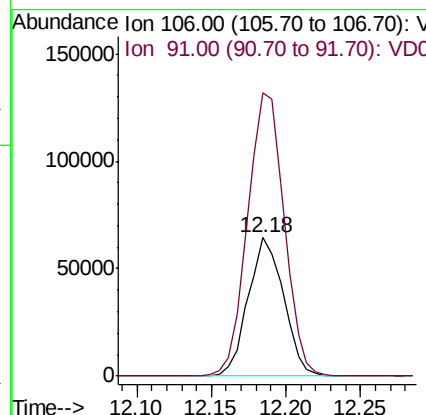
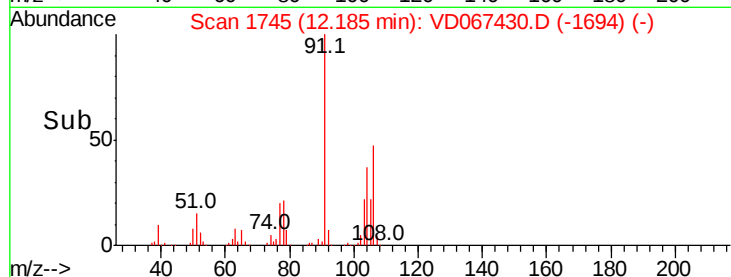
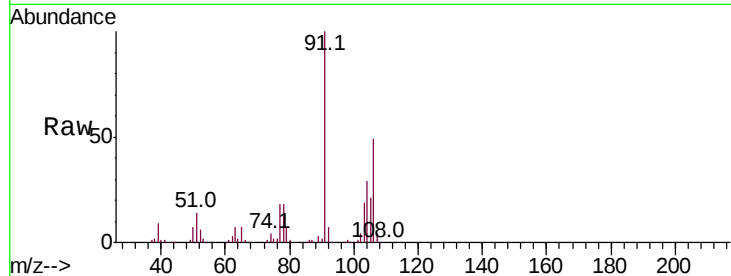




#69
o-Xylene
Concen: 20.802 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

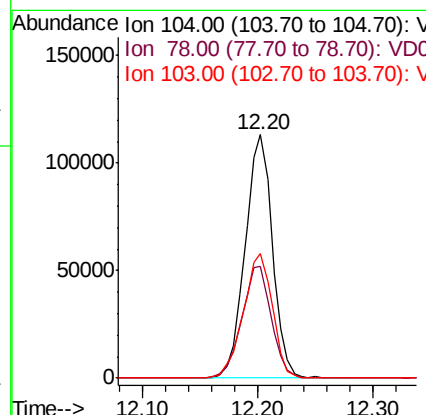
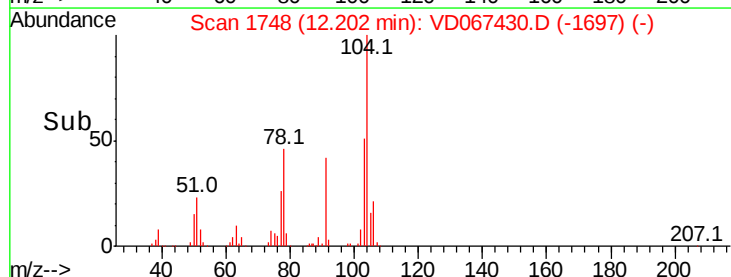
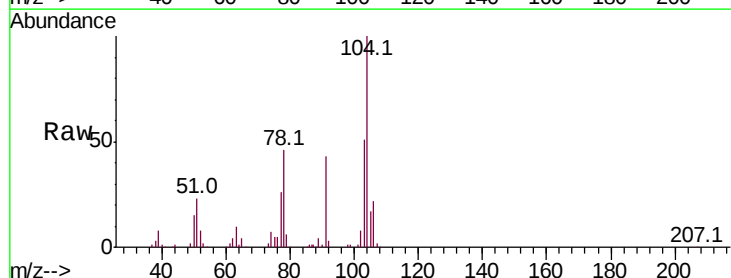
Instrument :
MSVOA_D
ClientSampleID :
VD1028SBS01

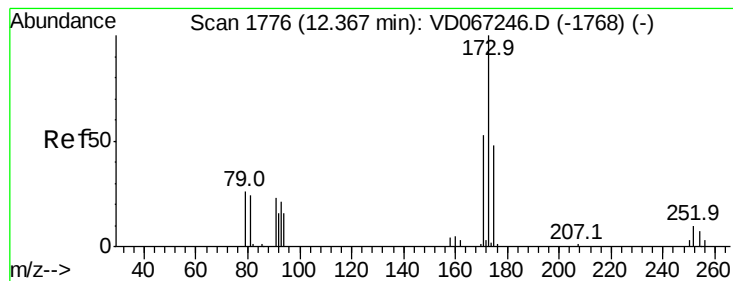
Tot Ion:106 Resp: 105757
Ion Ratio Lower Upper
106 100
91 211.7 109.1 327.3



#70
Styrene
Concen: 21.117 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Tgt Ion:104 Resp: 184808
Ion Ratio Lower Upper
104 100
78 49.8 39.8 59.6
103 54.7 42.6 64.0





#71

Bromoform

Concen: 22.262 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBS01

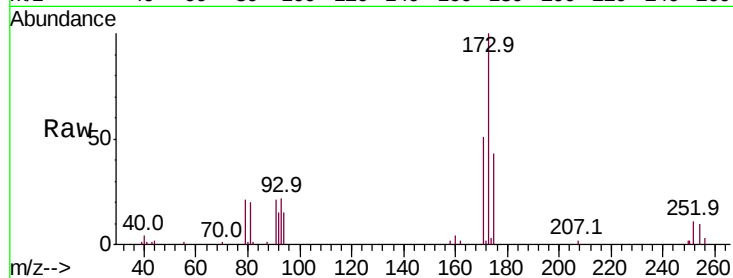
Tot Ion:173 Resp: 39534

Ion Ratio Lower Upper

173 100

175 44.6 24.2 72.6

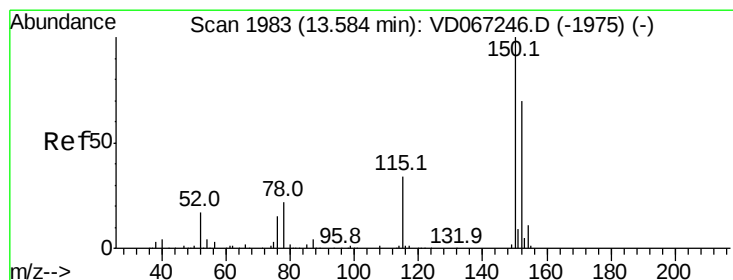
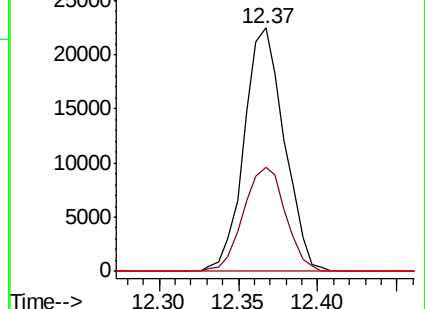
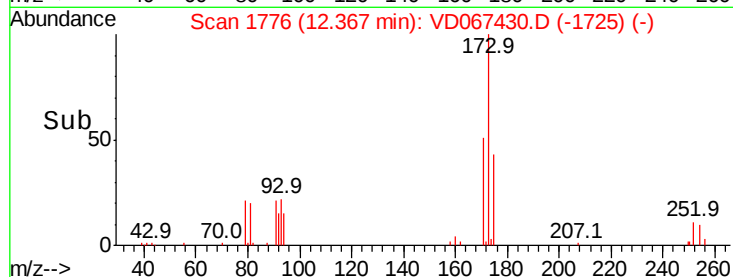
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

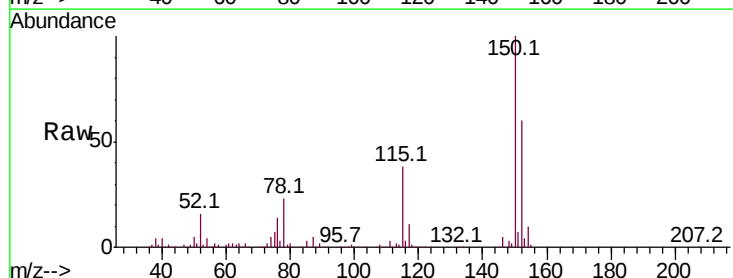
Tgt Ion:152 Resp: 219686

Ion Ratio Lower Upper

152 100

115 59.3 29.3 87.9

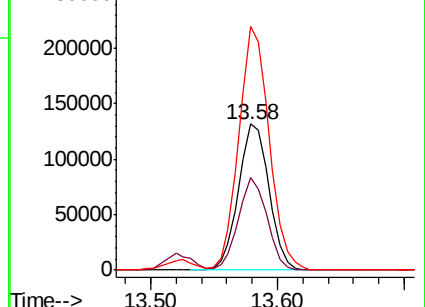
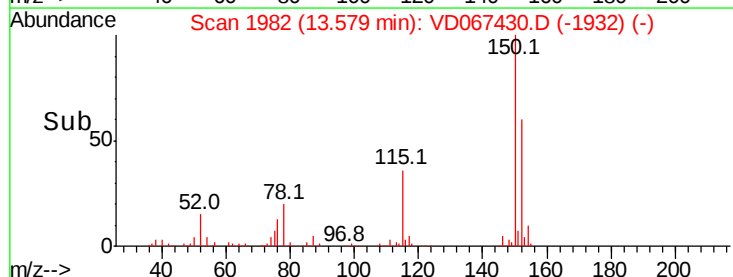
150 166.1 0.0 339.0

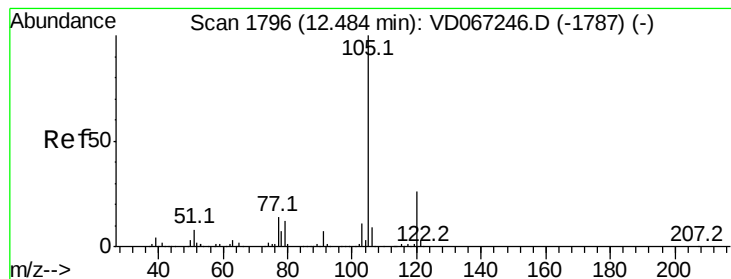


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.146 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

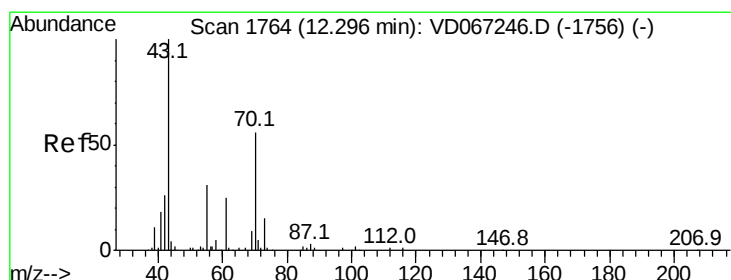
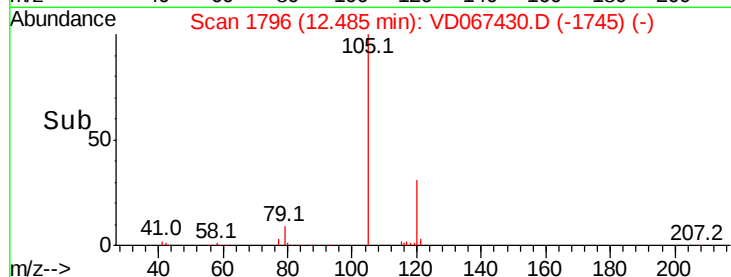
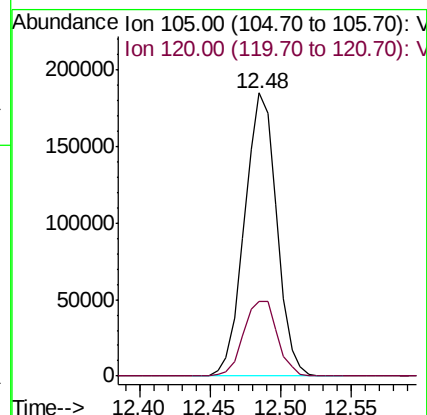
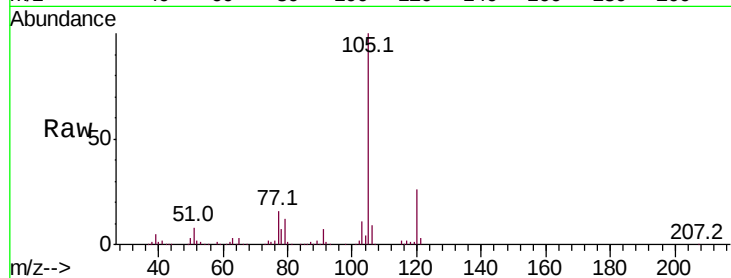
VD1028SBS01

Tot Ion:105 Resp: 294833

Ion Ratio Lower Upper

105 100

120 28.0 13.3 39.8



#74

N-ethyl acetate

Concen: 20.564 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Tgt Ion: 43 Resp: 43303

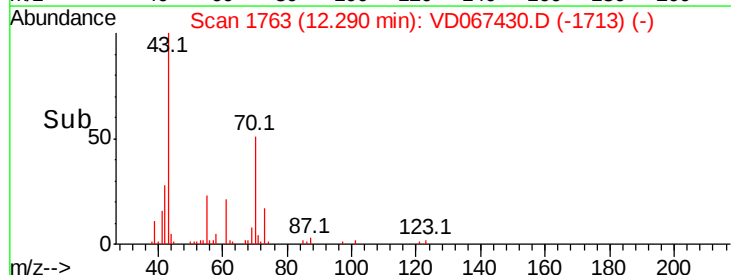
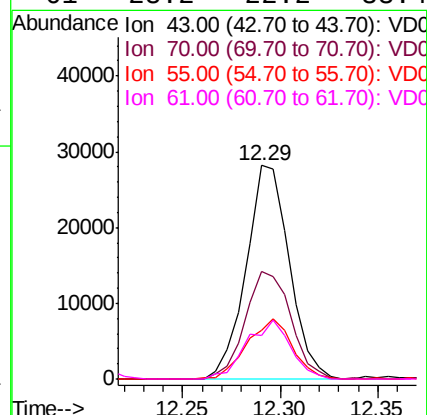
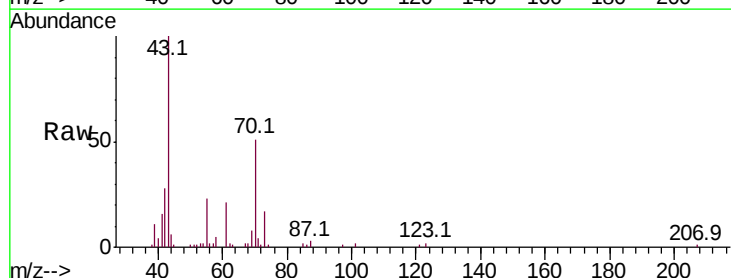
Ion Ratio Lower Upper

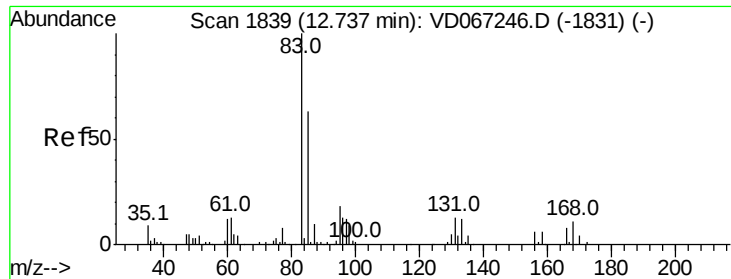
43 100

70 53.2 42.7 64.1

55 29.6 24.0 36.0

61 28.2 22.2 33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.334 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBS01

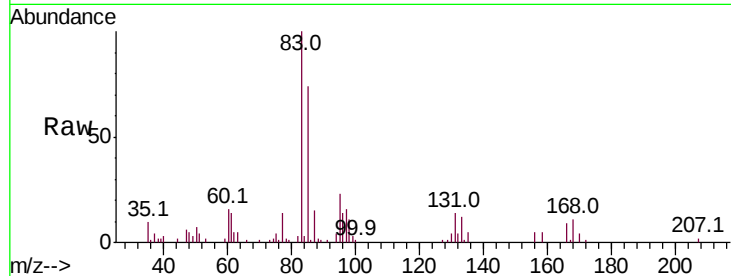
Tot Ion: 83 Resp: 43440

Ion Ratio Lower Upper

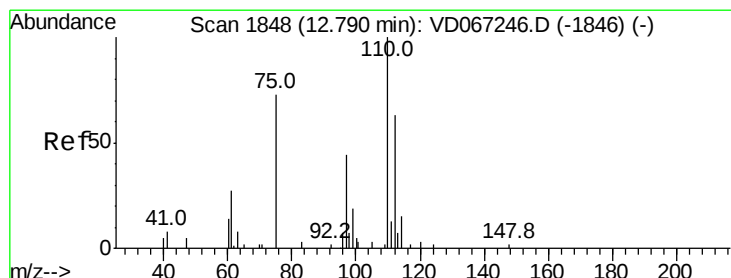
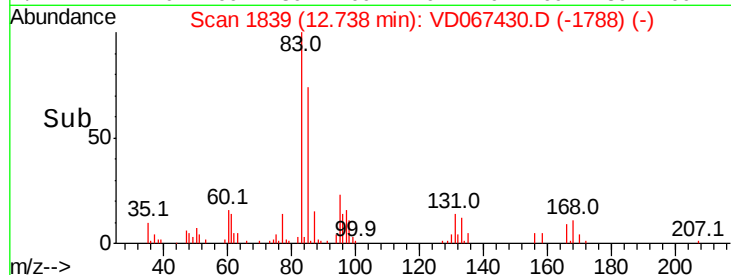
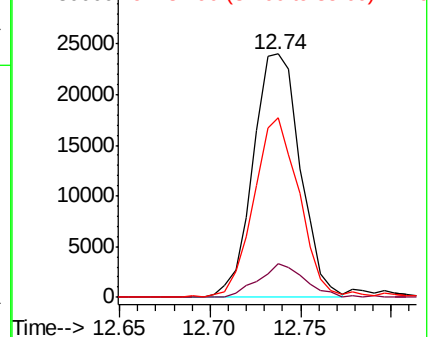
83 100

131 13.5 6.5 19.5

85 71.6 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: 39.649 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD067430.D

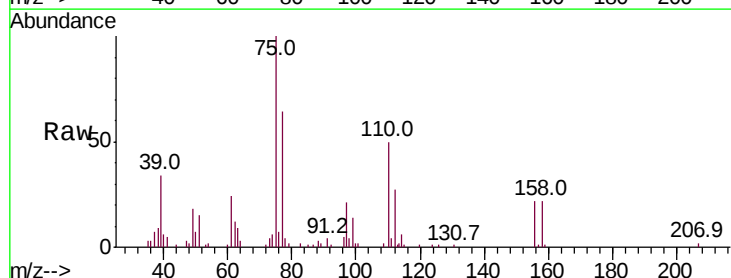
Acq: 28 Oct 2020 13:31

Tgt Ion: 75 Resp: 60371

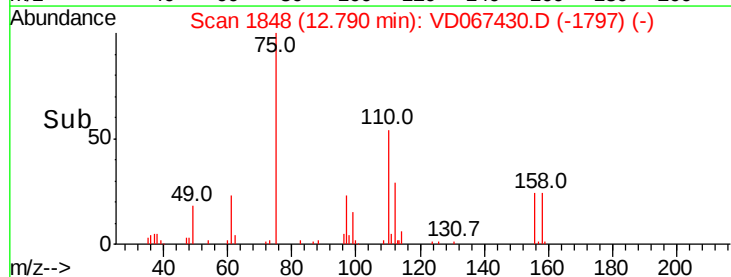
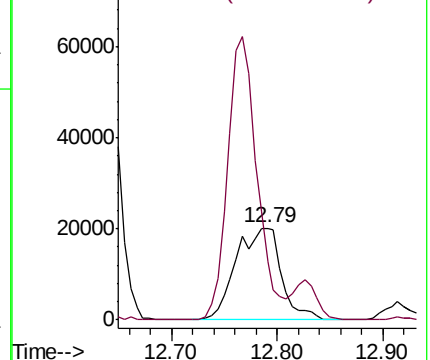
Ion Ratio Lower Upper

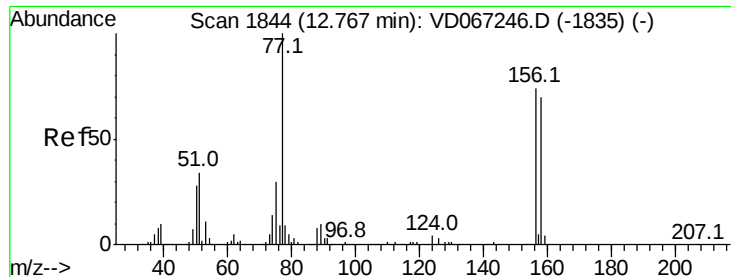
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 21.532 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBS01

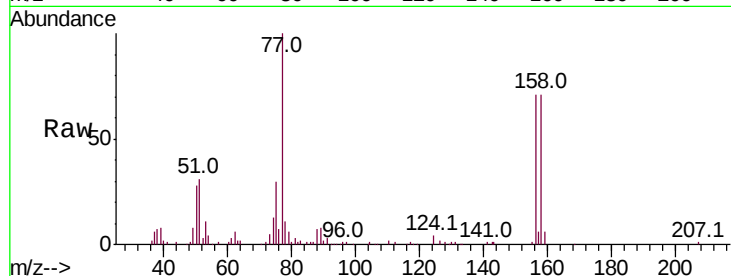
Tot Ion:156 Resp: 74847

Ion Ratio Lower Upper

156 100

77 160.9 78.0 233.8

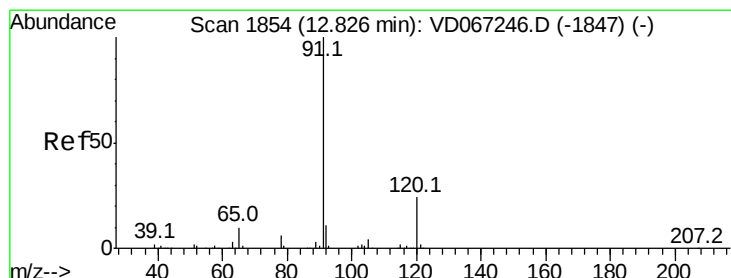
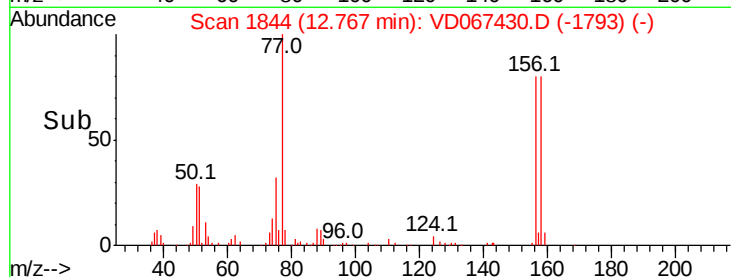
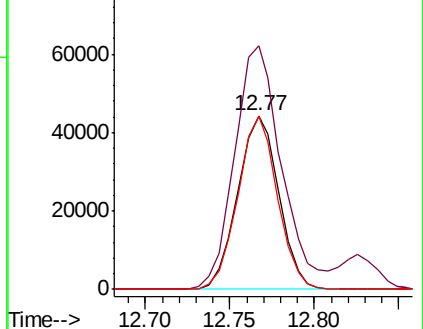
158 96.3 49.1 147.3



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: 21.327 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067430.D

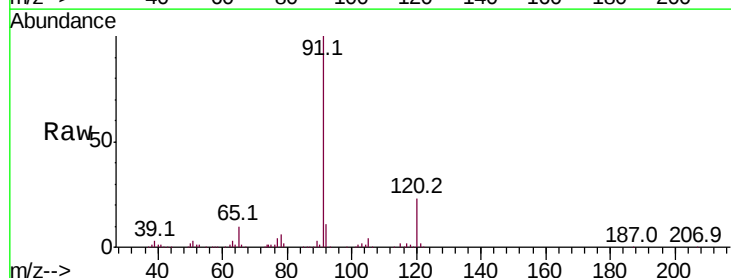
Acq: 28 Oct 2020 13:31

Tgt Ion: 91 Resp: 344527

Ion Ratio Lower Upper

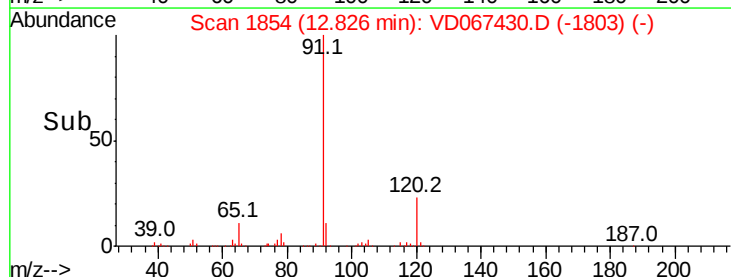
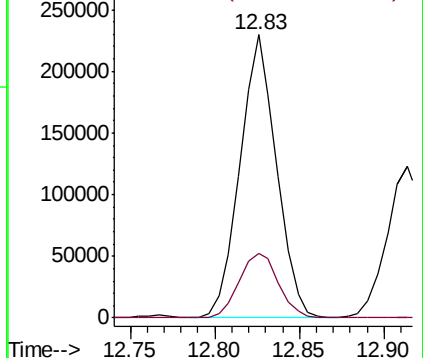
91 100

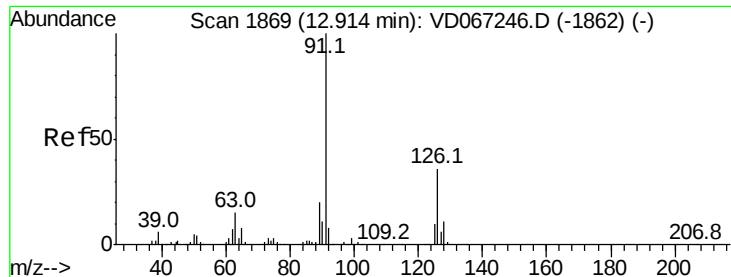
120 24.6 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.521 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

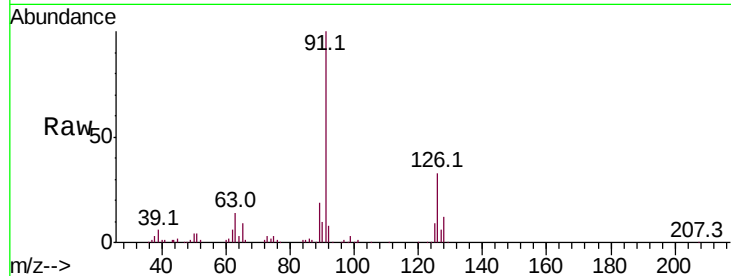
VD1028SBS01

Tot Ion: 91 Resp: 201618

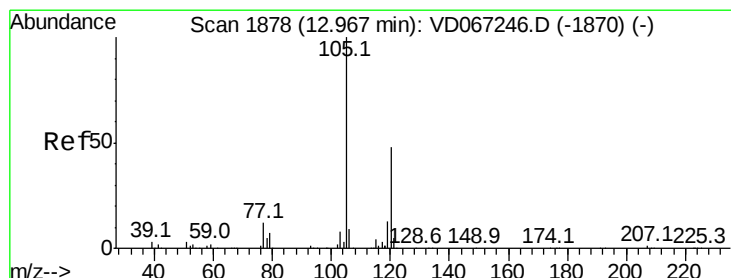
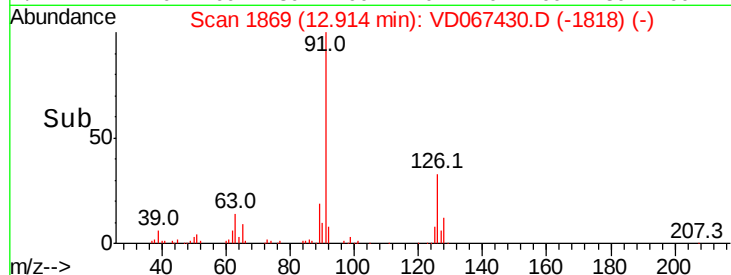
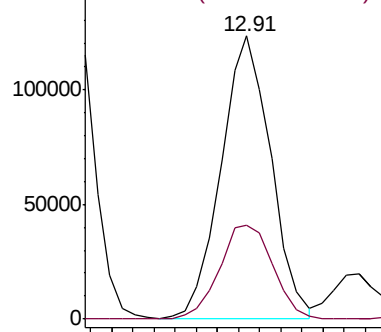
Ion Ratio Lower Upper

91 100

126 35.8 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VD067430.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.861 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067430.D

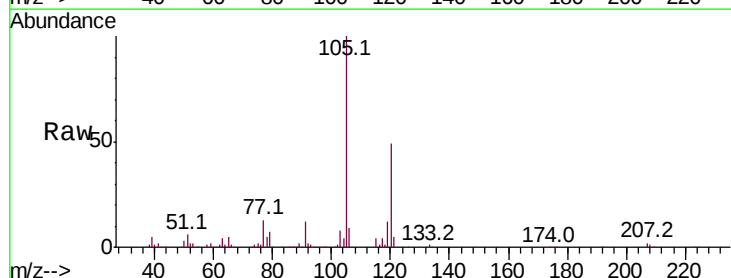
Acq: 28 Oct 2020 13:31

Tgt Ion: 105 Resp: 264869

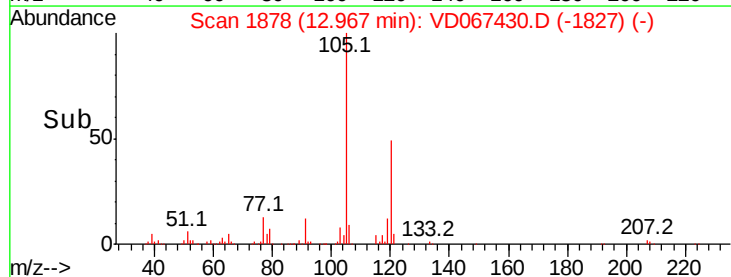
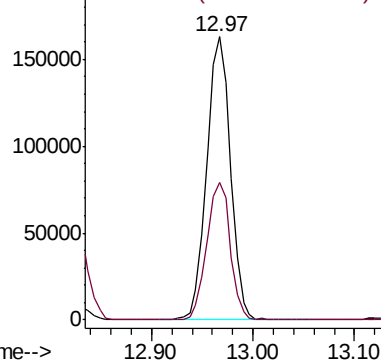
Ion Ratio Lower Upper

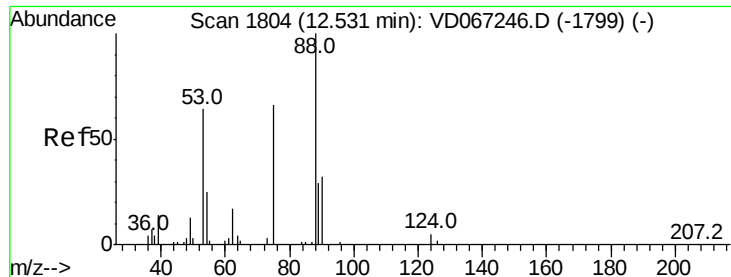
105 100

120 48.3 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VD067430.D (-1870) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.641 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBS01

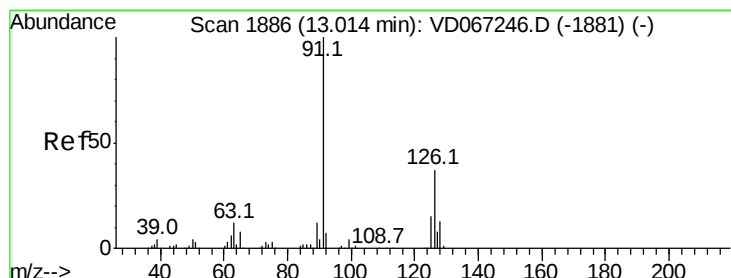
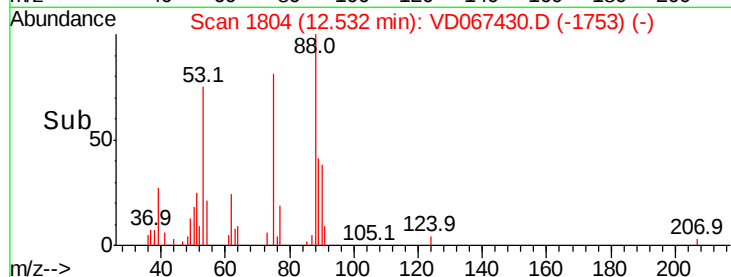
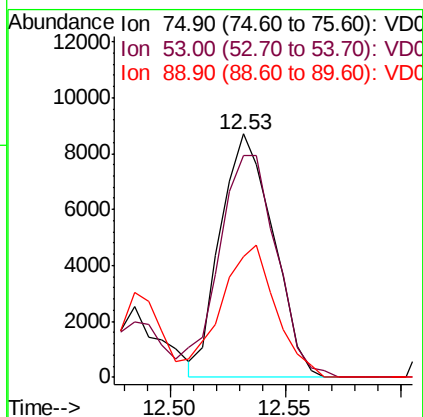
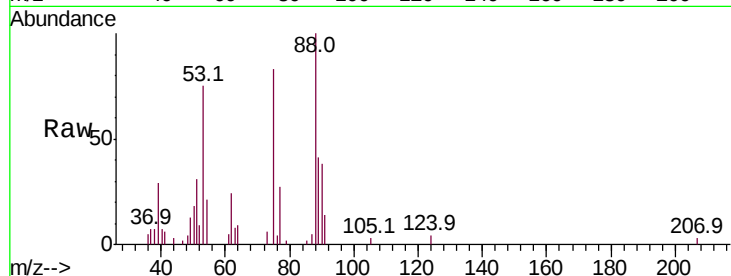
Tot Ion: 75 Resp: 13859

Ion Ratio Lower Upper

75 100

53 100.4 78.5 117.7

89 57.3 39.9 59.9



#82

4-Chlorotoluene

Concen: 21.814 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD067430.D

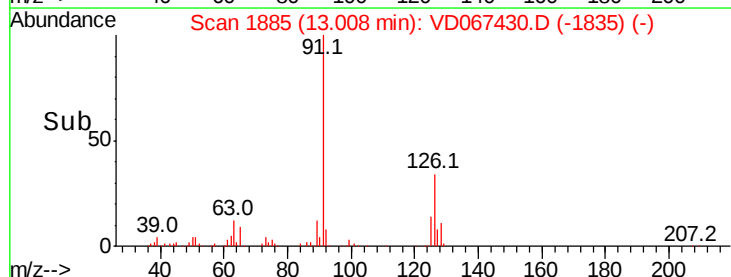
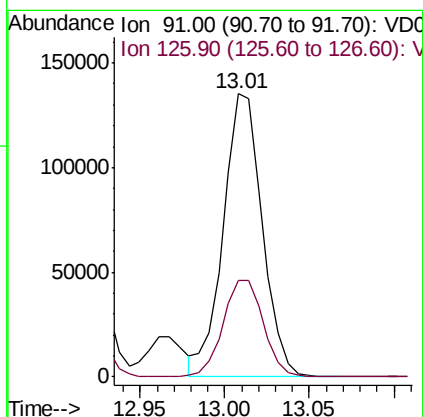
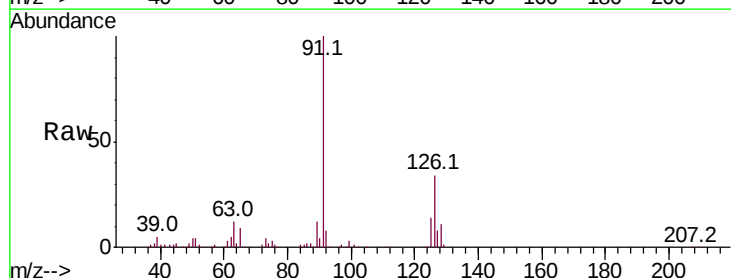
Acq: 28 Oct 2020 13:31

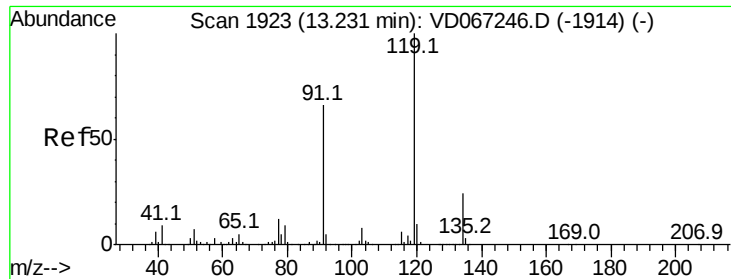
Tgt Ion: 91 Resp: 216895

Ion Ratio Lower Upper

91 100

126 35.5 17.8 53.5





#83

tert-Butylbenzene

Concen: 21.738 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBS01

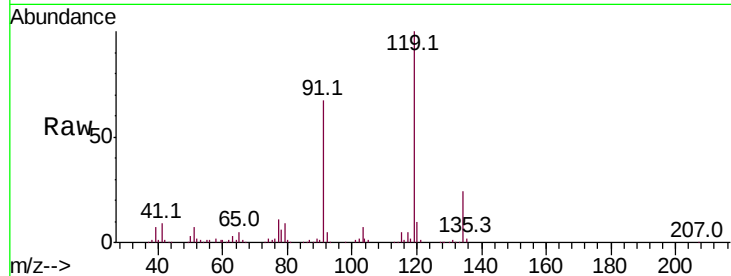
Tot Ion:119 Resp: 222483

Ion Ratio Lower Upper

119 100

91 65.2 33.1 99.2

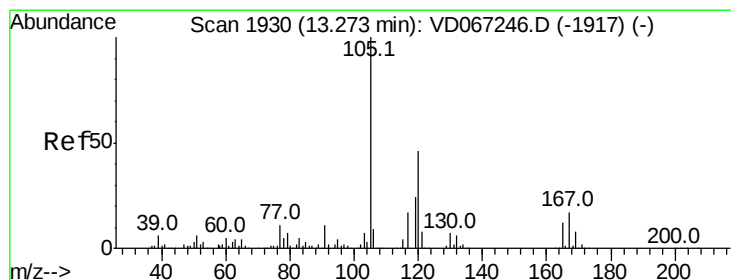
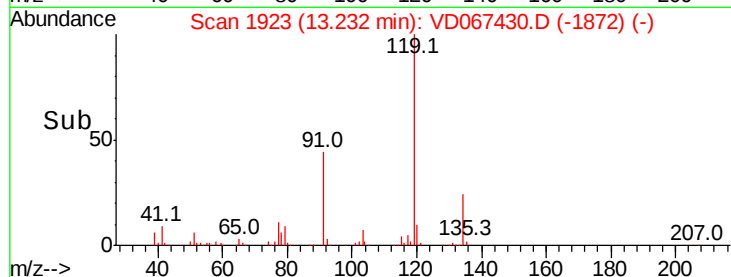
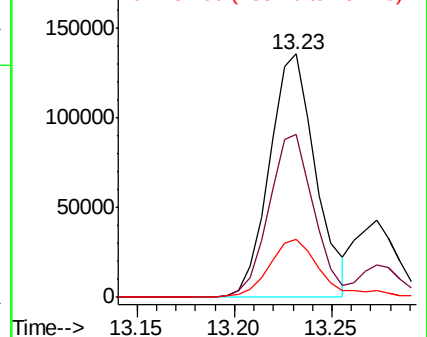
134 26.8 13.3 39.9



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: 22.269 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VD067430.D

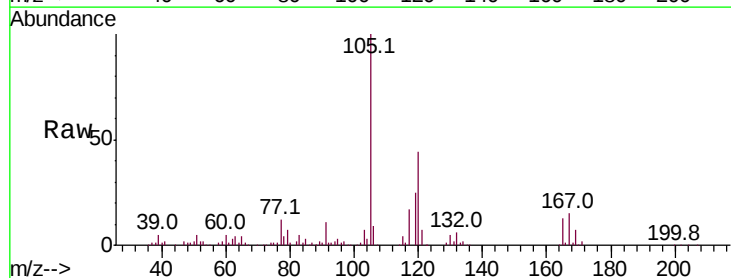
Acq: 28 Oct 2020 13:31

Tgt Ion:105 Resp: 266680

Ion Ratio Lower Upper

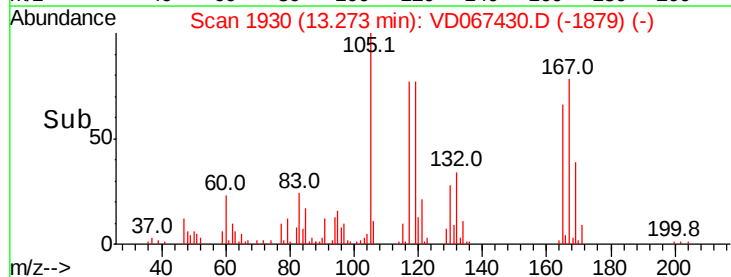
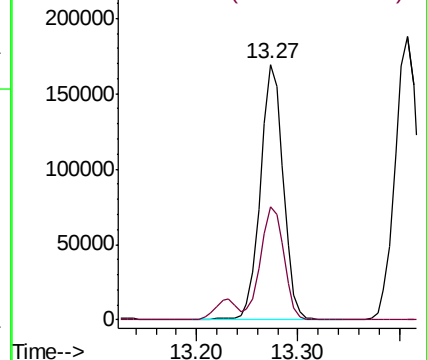
105 100

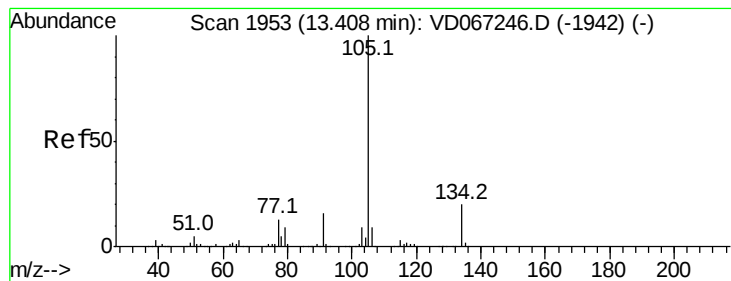
120 45.4 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.183 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

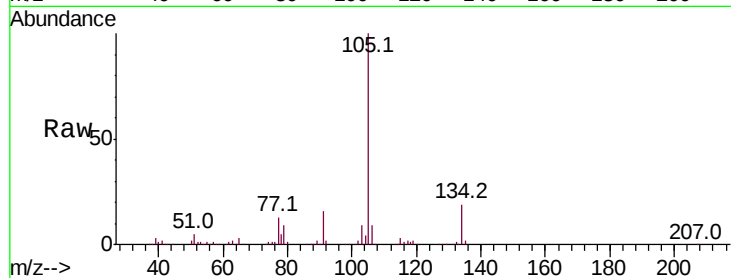
VD1028SBS01

Tot Ion:105 Resp: 297481

Ion Ratio Lower Upper

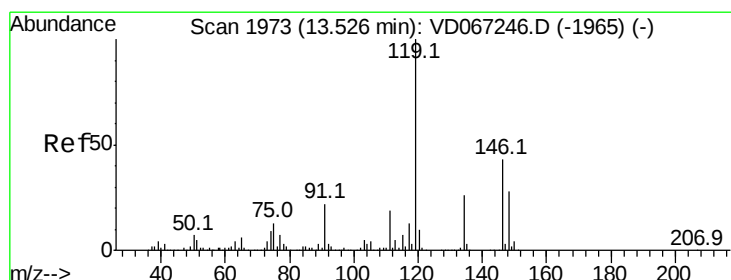
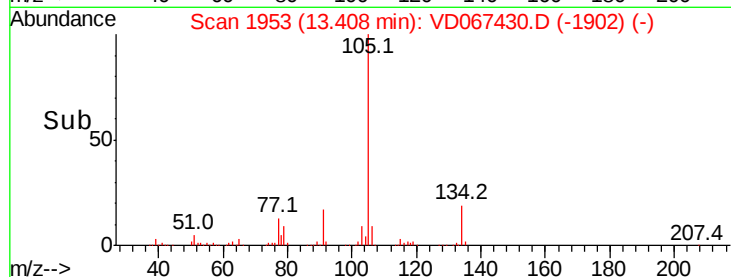
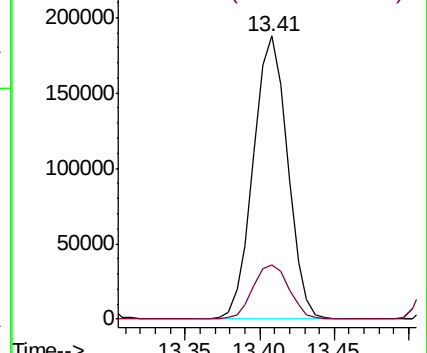
105 100

134 20.4 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.817 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

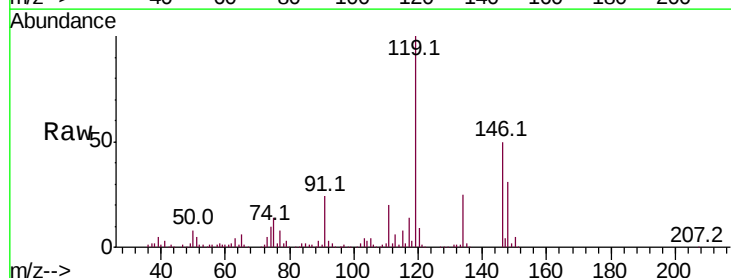
Tgt Ion:119 Resp: 289193

Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.3

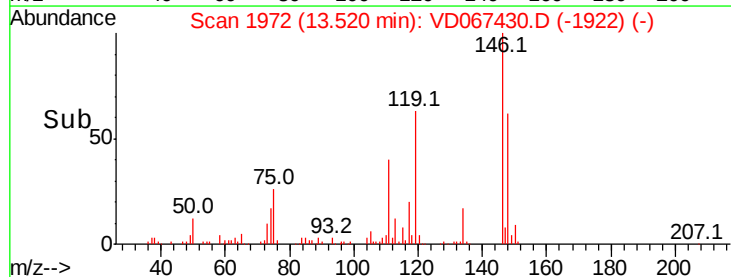
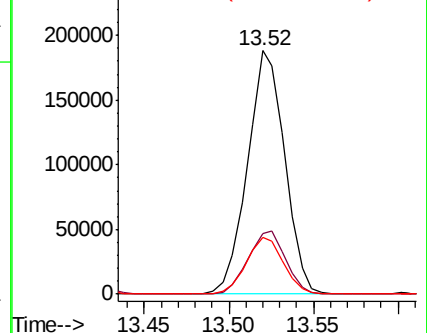
91 23.5 11.9 35.9

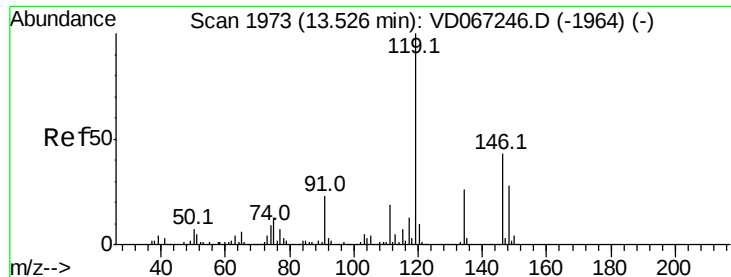


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 22.111 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBS01

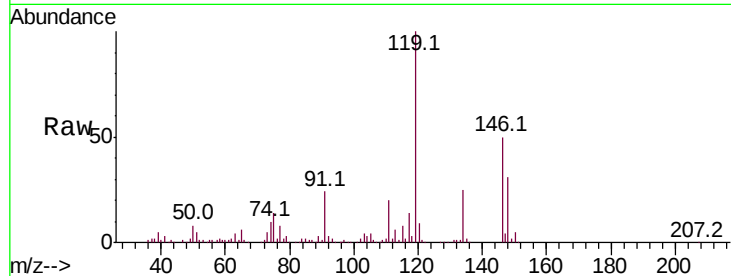
Tot Ion:146 Resp: 147934

Ion Ratio Lower Upper

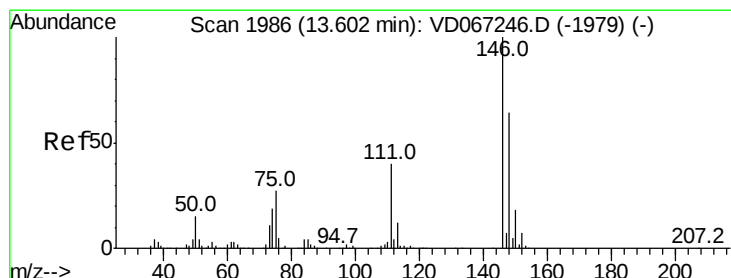
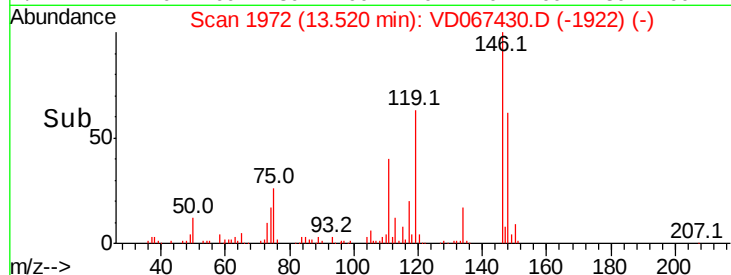
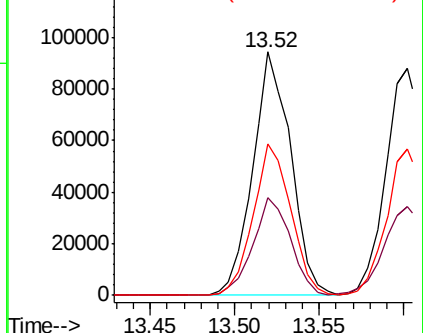
146 100

111 39.7 21.1 63.3

148 61.7 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 21.753 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

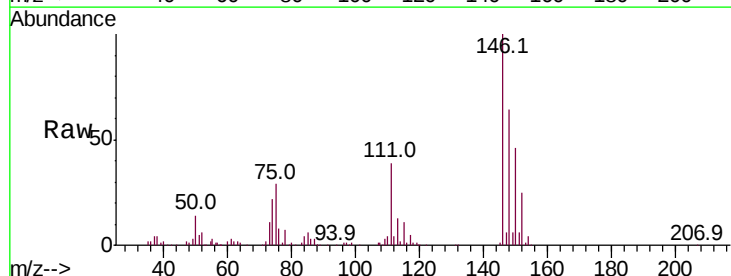
Tgt Ion:146 Resp: 144195

Ion Ratio Lower Upper

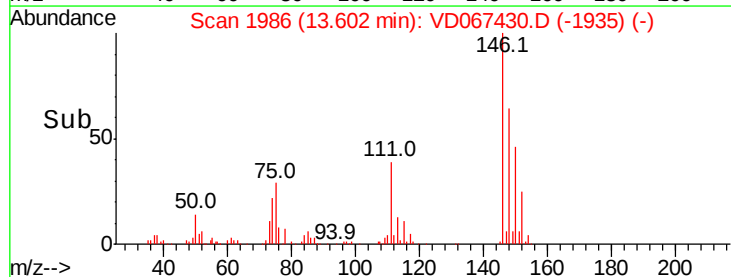
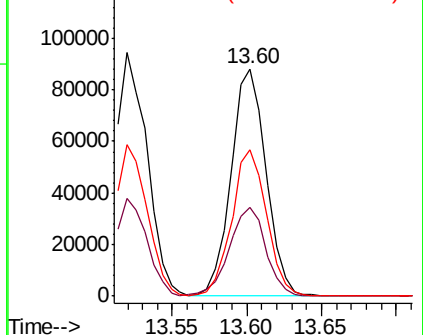
146 100

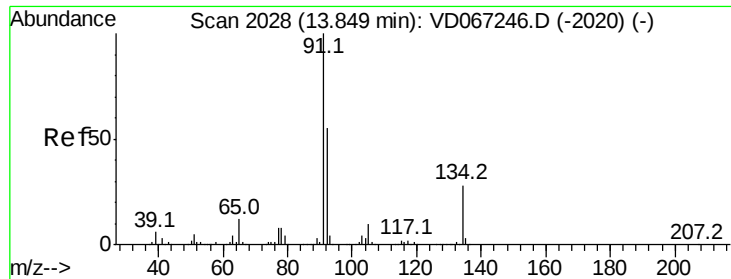
111 40.7 19.9 59.7

148 64.0 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

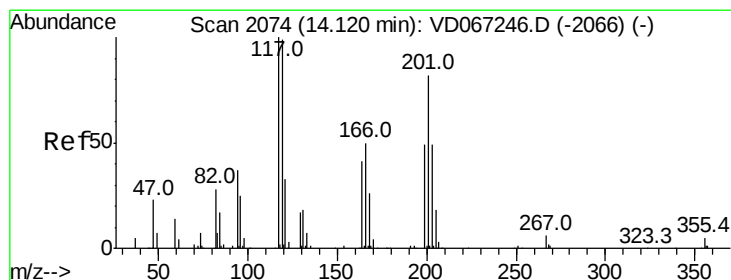
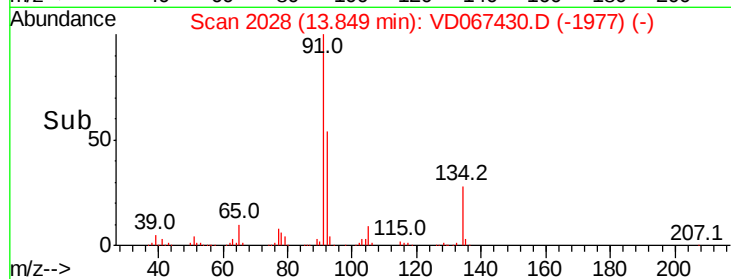
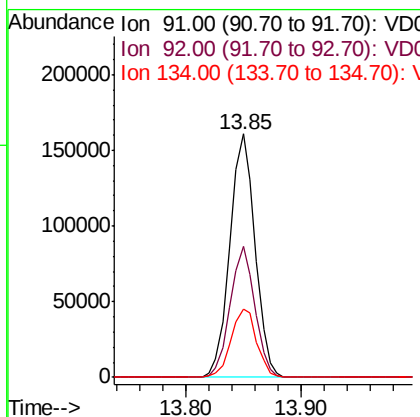
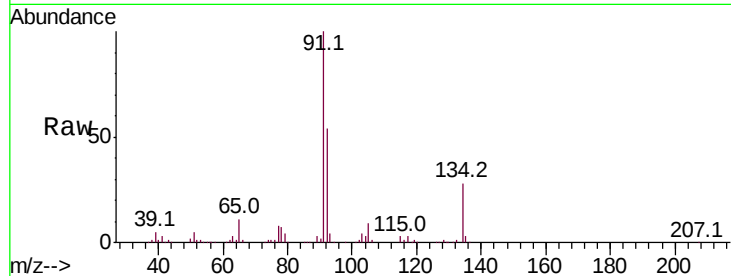




#89
n-Butylbenzene
Concen: 20.788 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

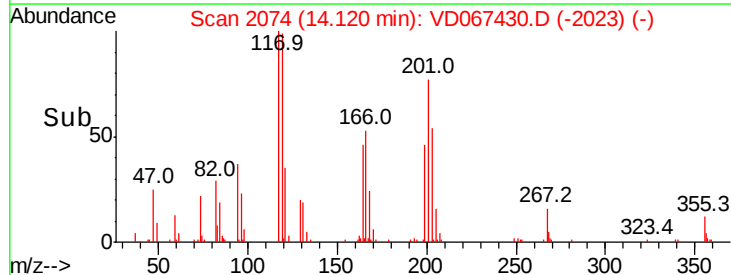
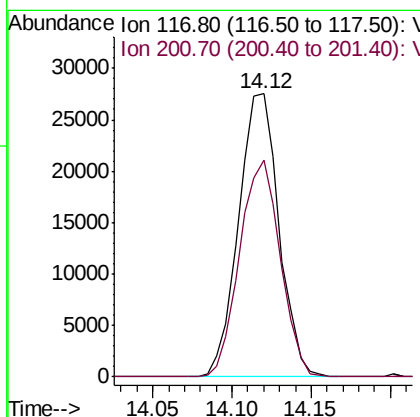
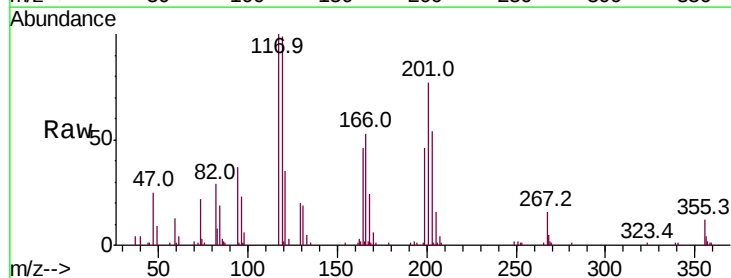
Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

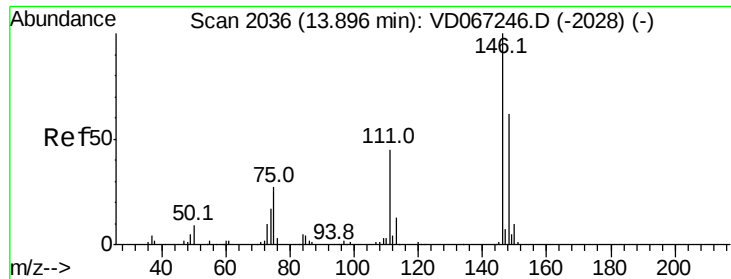
Tot Ion: 91 Resp: 242413
Ion Ratio Lower Upper
91 100
92 53.0 26.7 80.0
134 28.3 14.2 42.6



#90
Hexachloroethane
Concen: 21.015 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Tgt Ion: 117 Resp: 48609
Ion Ratio Lower Upper
117 100
201 77.3 40.8 122.2





#91

1,2-Dichlorobenzene

Concen: 21.465 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBS01

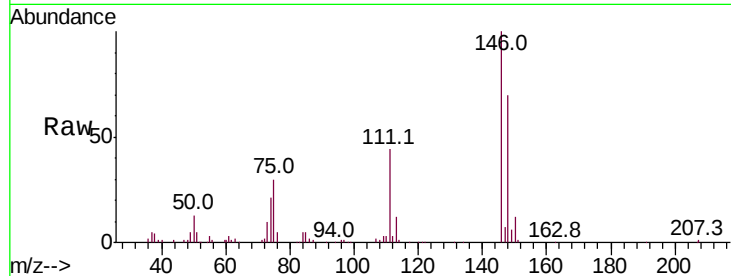
Tot Ion:146 Resp: 125458

Ion Ratio Lower Upper

146 100

111 42.1 22.0 66.0

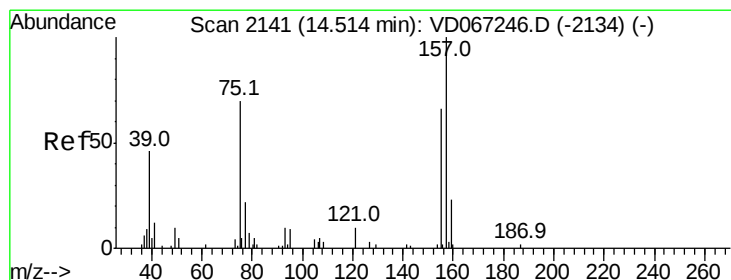
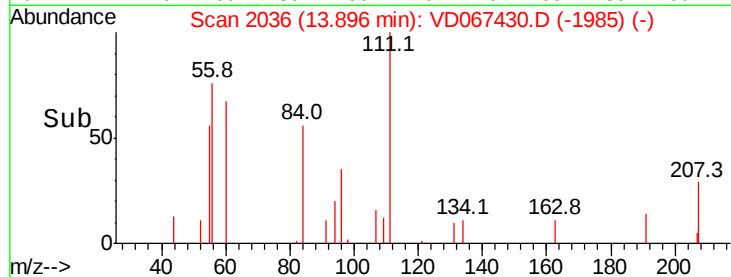
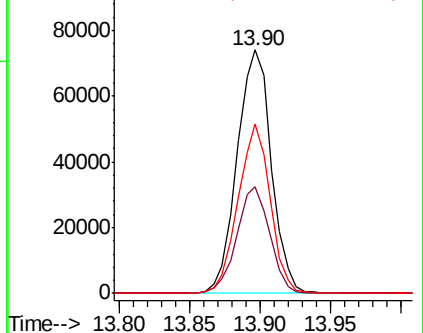
148 65.3 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.120 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. 0.00 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

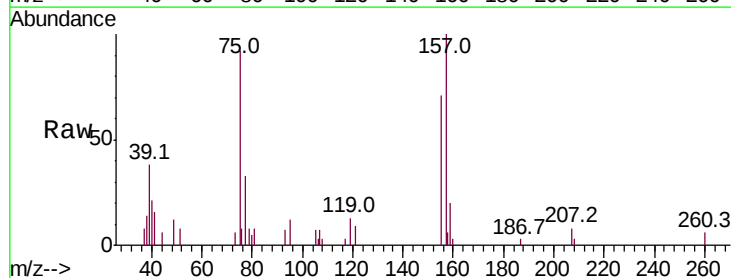
Tgt Ion: 75 Resp: 8197

Ion Ratio Lower Upper

75 100

155 92.0 44.8 134.4

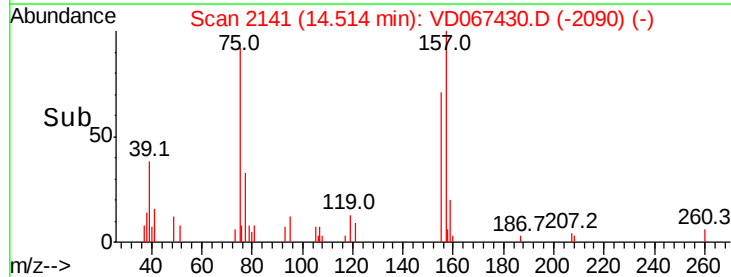
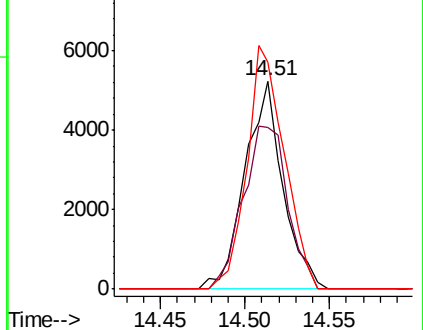
157 115.2 62.5 187.4

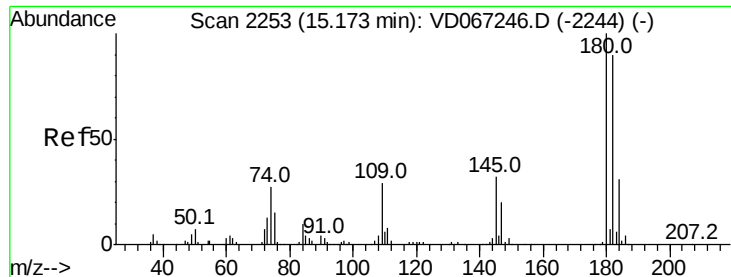


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

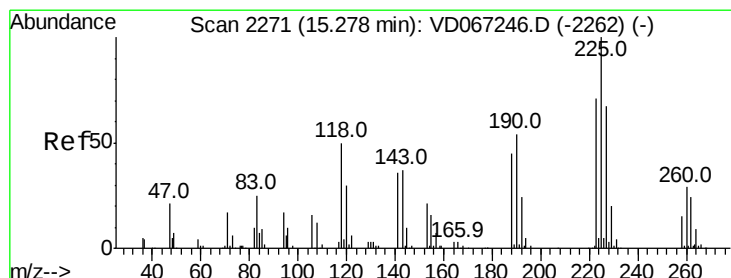
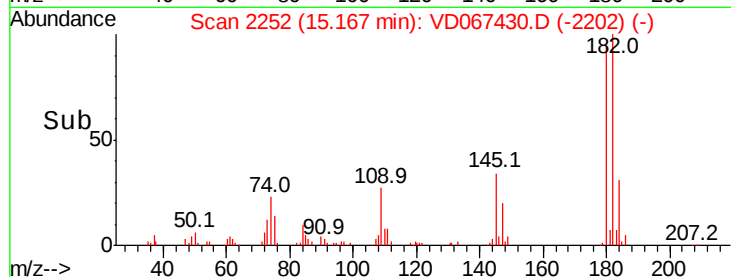
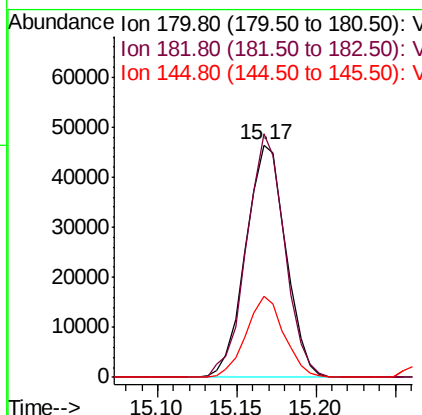
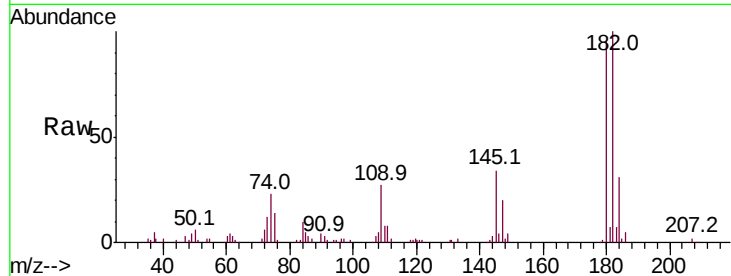




#93
1,2,4-Trichlorobenzene
Concen: 20.747 ug/l
RT: 15.17 min Scan# 2252
Delta R.T. -0.01 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

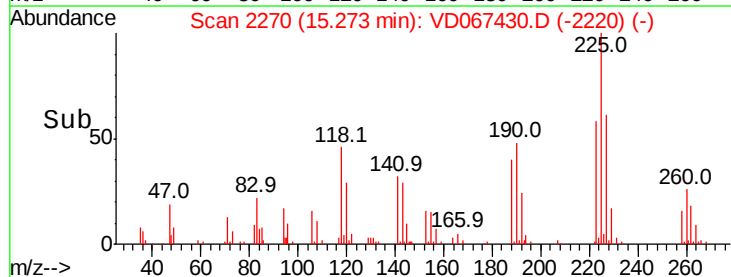
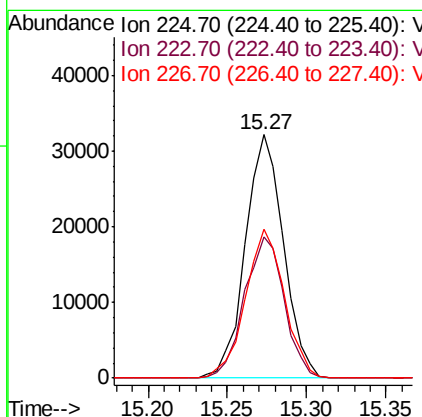
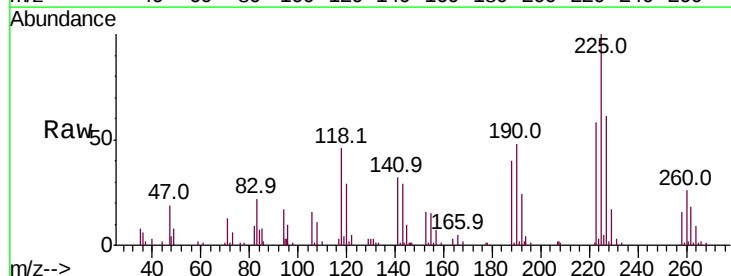
Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

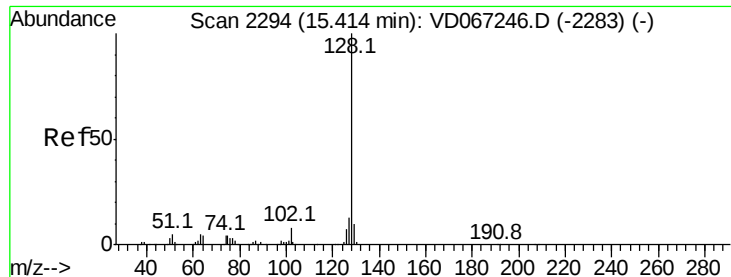
Tot Ion	Ratio	Lower	Upper
180	100		
182	99.2	48.1	144.4
145	33.0	16.3	48.9



#94
Hexachlorobutadiene
Concen: 22.039 ug/l
RT: 15.27 min Scan# 2270
Delta R.T. -0.01 min
Lab File: VD067430.D
Acq: 28 Oct 2020 13:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.1	31.9	95.7
227	62.3	31.2	93.6





#95

Naphthalene

Concen: 20.000 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBS01

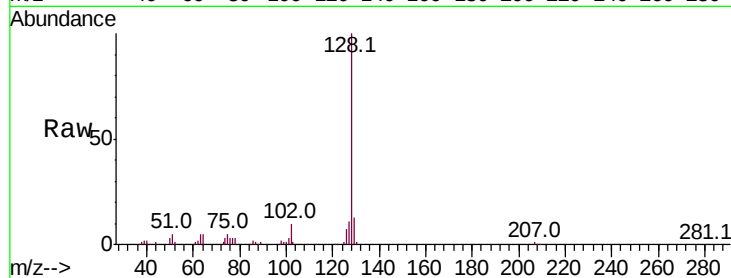
Tot Ion:128 Resp: 129404

Ion Ratio Lower Upper

128 100

127 13.7 10.4 15.6

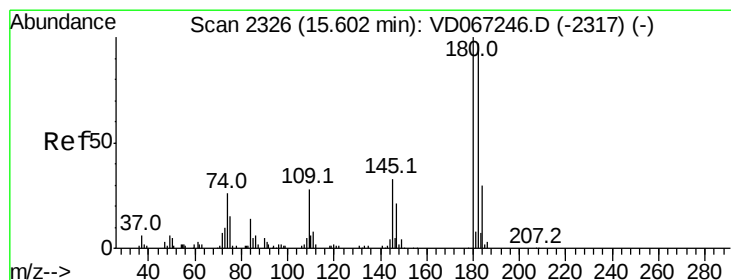
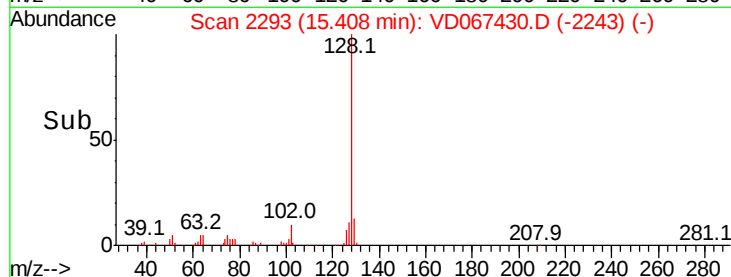
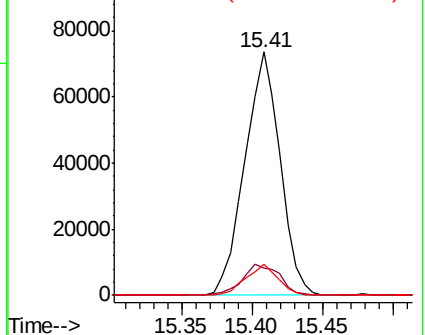
129 11.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.720 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD067430.D

Acq: 28 Oct 2020 13:31

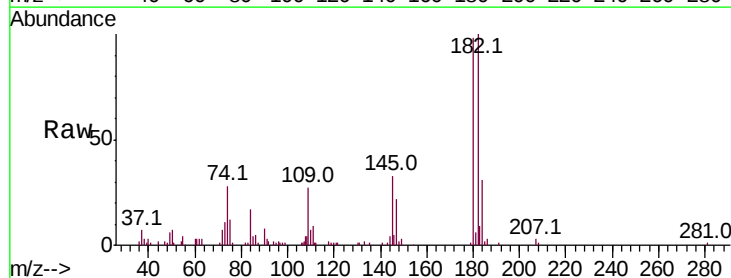
Tgt Ion:180 Resp: 70541

Ion Ratio Lower Upper

180 100

182 98.3 48.1 144.3

145 35.8 17.3 51.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

