

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012720\
 Data File : VD064971.D
 Acq On : 27 Jan 2020 18:48
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 27 22:32:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	430202	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	664241	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	598059	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	298403	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	237511	57.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.12%	
35) Dibromofluoromethane	7.92	113	227383	54.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.94%	
50) Toluene-d8	10.34	98	890407	55.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.54%	
62) 4-Bromofluorobenzene	12.64	95	279041	56.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	163252	50.372	ug/l	96
3) Chloromethane	2.21	50	244373	51.447	ug/l	95
4) Vinyl Chloride	2.35	62	271115	49.695	ug/l	96
5) Bromomethane	2.77	94	177353	48.327	ug/l	96
6) Chloroethane	2.93	64	184597	51.324	ug/l	99
7) Trichlorofluoromethane	3.27	101	411287	48.814	ug/l	98
8) Diethyl Ether	3.71	74	101751	53.495	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	197000	50.256	ug/l	99
10) Methyl Iodide	4.29	142	235942	56.704	ug/l	100
11) Tert butyl alcohol	5.26	59	58258	255.476	ug/l #	93
12) 1,1-Dichloroethene	4.06	96	186643	49.841	ug/l	99
13) Acrolein	3.93	56	86224	301.621	ug/l	96
14) Allyl chloride	4.71	41	327353	54.809	ug/l	98
15) Acrylonitrile	5.43	53	230156	279.426	ug/l	99
16) Acetone	4.17	43	192015	191.593	ug/l	99
17) Carbon Disulfide	4.40	76	629570	51.082	ug/l	98
18) Methyl Acetate	4.73	43	107793	55.775	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	471826	56.389	ug/l	99
20) Methylene Chloride	4.96	84	221252	55.891	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	230315	53.382	ug/l	95
22) Diisopropyl ether	6.37	45	674923	56.702	ug/l	97
23) Vinyl Acetate	6.31	43	2000615	287.072	ug/l	99
24) 1,1-Dichloroethane	6.27	63	390109	53.380	ug/l	97
25) 2-Butanone	7.23	43	290732	260.781	ug/l	97
26) 2,2-Dichloropropane	7.21	77	336294	50.731	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	248812	54.030	ug/l	100
28) Bromochloromethane	7.55	49	170442	58.316	ug/l	99
29) Tetrahydrofuran	7.57	42	190295	276.646	ug/l	99
30) Chloroform	7.71	83	402658	53.299	ug/l	98
31) Cyclohexane	7.99	56	345145	48.008	ug/l	95
32) 1,1,1-Trichloroethane	7.91	97	364580	51.875	ug/l	100
36) 1,1-Dichloropropene	8.11	75	305276	47.661	ug/l	98
37) Ethyl Acetate	7.30	43	136733	51.681	ug/l	97
38) Carbon Tetrachloride	8.10	117	323783	47.826	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	355145	47.426	ug/l	98
40) Benzene	8.36	78	890010	50.452	ug/l	97
41) Methacrylonitrile	7.54	41	88794	62.302	ug/l	95
42) 1,2-Dichloroethane	8.43	62	272171	51.794	ug/l	97
43) Isopropyl Acetate	8.46	43	267531	53.234	ug/l	98
44) Trichloroethene	9.11	130	246947	50.019	ug/l	98
45) 1,2-Dichloropropane	9.39	63	220829	51.638	ug/l	100
46) Dibromomethane	9.48	93	121975	52.242	ug/l	96
47) Bromodichloromethane	9.67	83	313559	51.611	ug/l	100
48) Methyl methacrylate	9.46	41	128070	55.377	ug/l	98
49) 1,4-Dioxane	9.47	88	29374	1084.770	ug/l	97
51) 4-Methyl-2-Pentanone	10.24	43	681294	270.933	ug/l	98
52) Toluene	10.41	92	576488	50.687	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	304370	52.594	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	356898	52.674	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	161113	51.229	ug/l	93
56) Ethyl methacrylate	10.67	69	209337	55.662	ug/l	99
57) 1,3-Dichloropropane	10.95	76	284783	52.795	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	335314	268.372	ug/l	99
59) 2-Hexanone	10.99	43	458226	264.181	ug/l	99
60) Dibromochloromethane	11.15	129	219871	52.307	ug/l	99
61) 1,2-Dibromoethane	11.26	107	158947	52.488	ug/l	98
64) Tetrachloroethene	10.88	164	214774	49.696	ug/l	98
65) Chlorobenzene	11.68	112	608036	50.074	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	237192	51.939	ug/l	98
67) Ethyl Benzene	11.75	91	1098900	50.975	ug/l	99
68) m/p-Xylenes	11.86	106	853429	102.821	ug/l	99
69) o-Xylene	12.19	106	388655	52.760	ug/l	99
70) Styrene	12.20	104	696543	53.080	ug/l	99
71) Bromoform	12.37	173	129990	51.206	ug/l	99
73) Isopropylbenzene	12.49	105	1031055	50.553	ug/l	100
74) N-amyl acetate	12.30	43	243158	53.279	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	173584	50.639	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	236664	95.553	ug/l #	100
77) Bromobenzene	12.77	156	250904	50.279	ug/l	98
78) n-propylbenzene	12.83	91	1208742	49.834	ug/l	100
79) 2-Chlorotoluene	12.92	91	670626	50.400	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	852155	50.984	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	59631	51.408	ug/l	99
82) 4-Chlorotoluene	13.01	91	713131	50.537	ug/l	99
83) tert-Butylbenzene	13.23	119	728260	51.344	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	858037	50.677	ug/l	99
85) sec-Butylbenzene	13.41	105	984261	49.009	ug/l	99
86) p-Isopropyltoluene	13.53	119	944611	50.264	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	481258	50.263	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	476034	50.092	ug/l	99
89) n-Butylbenzene	13.86	91	856379	49.933	ug/l	100
90) Hexachloroethane	14.13	117	178482	49.249	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	415817	51.154	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	29039	52.936	ug/l	96

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Quant Title : SW846 8260
QLast Update : Thu Jan 23 13:45:59 2020
Response via : Initial Calibration

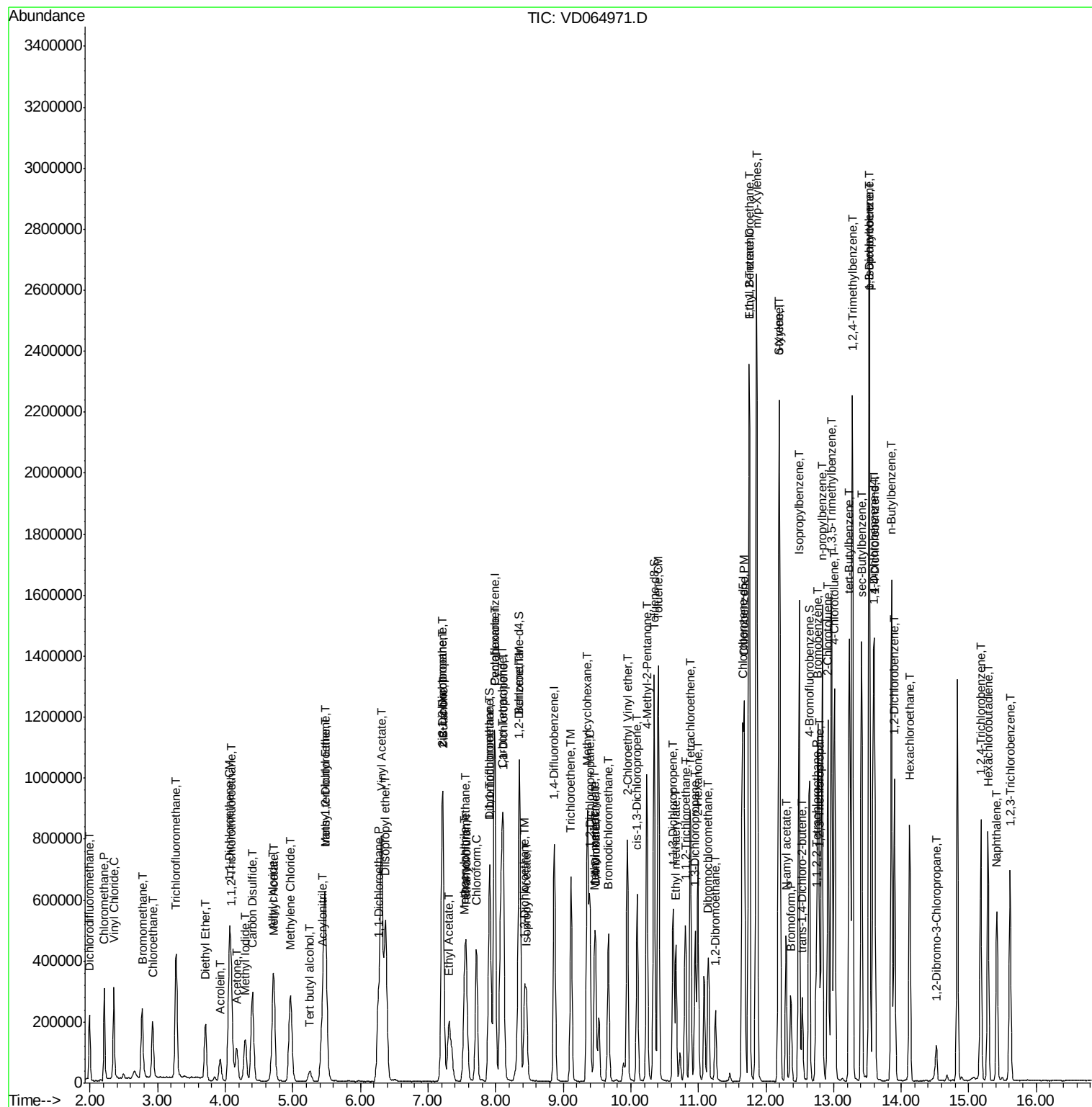
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	291695	51.870	ug/l	99
94) Hexachlorobutadiene	15.28	225	165626	46.563	ug/l	99
95) Naphthalene	15.41	128	492927	54.312	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	251322	51.543	ug/l	100

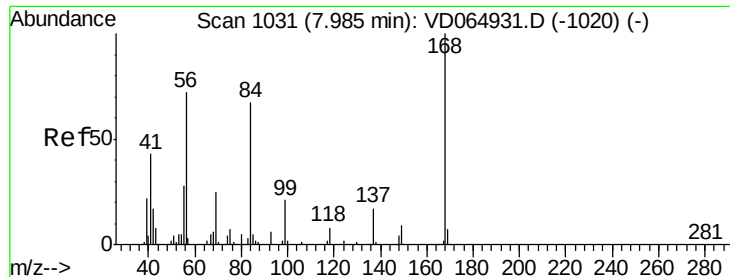
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 QLast Update : Thu Jan 23 13:45:59 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

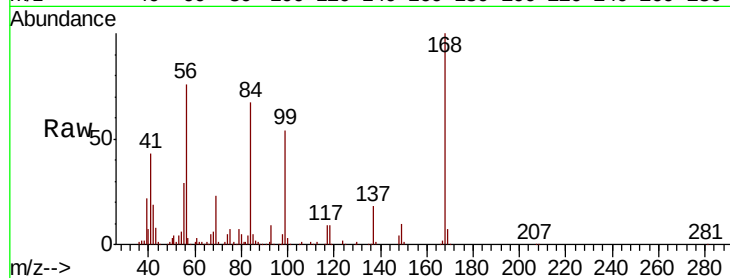
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 430202

Ion Ratio Lower Upper

168 100

99 53.5 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

200000

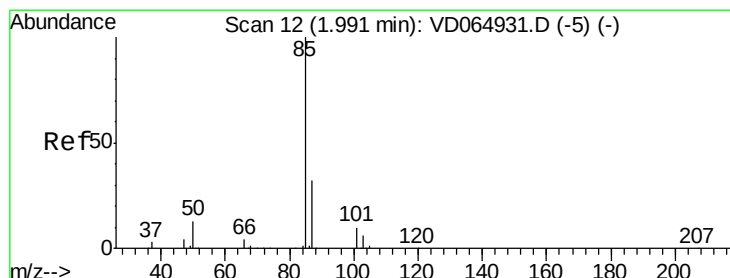
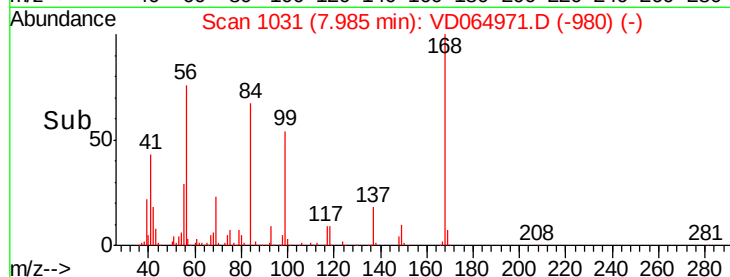
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.372 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064971.D

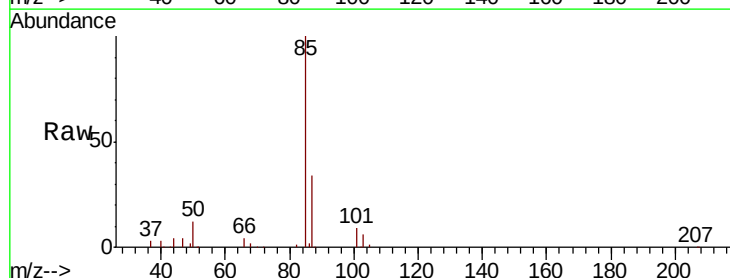
Acq: 27 Jan 2020 18:48

Tgt Ion: 85 Resp: 163252

Ion Ratio Lower Upper

85 100

87 34.0 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

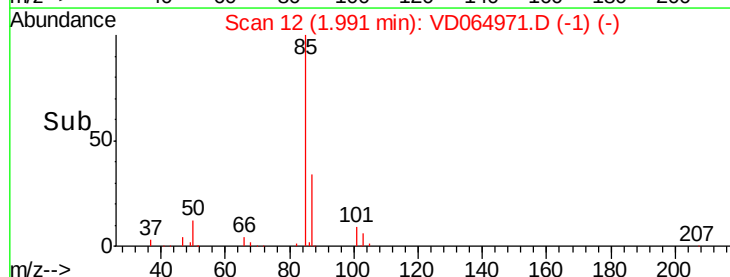
1.99

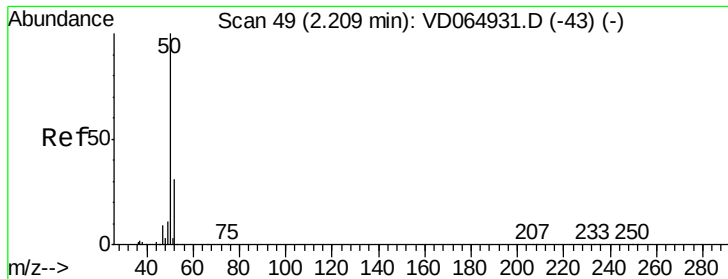
100000

50000

0

Time-->





#3

Chloromethane

Concen: 51.447 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Instrument :

MSVOA_D

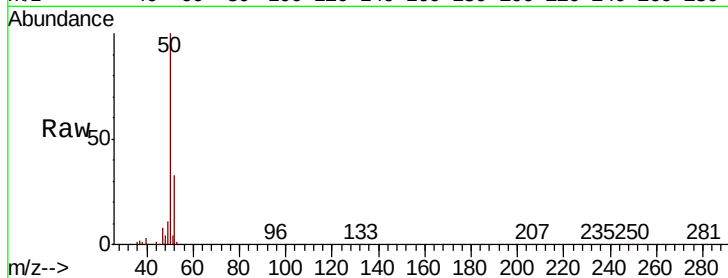
ClientSampleId :

Tot Ion: 50 Resp: 244373

Ion Ratio Lower Upper

50 100

52 33.2 24.6 36.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

200000

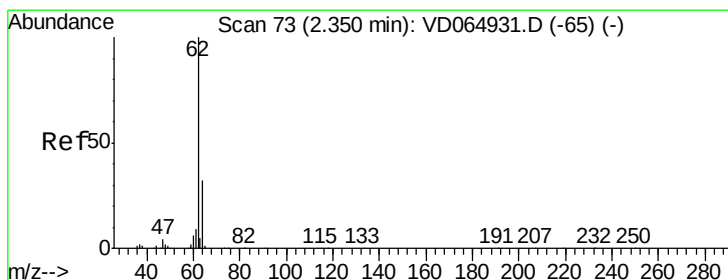
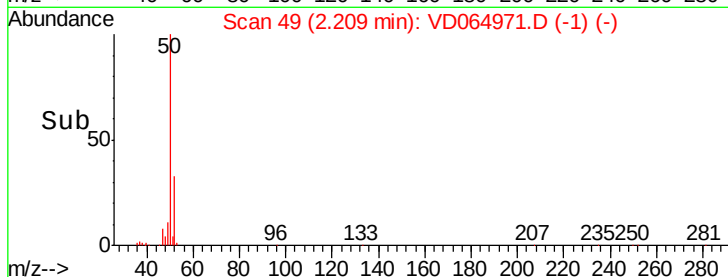
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 49.695 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064971.D

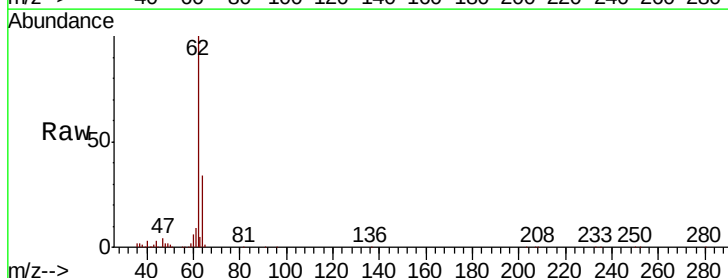
Acq: 27 Jan 2020 18:48

Tgt Ion: 62 Resp: 271115

Ion Ratio Lower Upper

62 100

64 34.2 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

200000

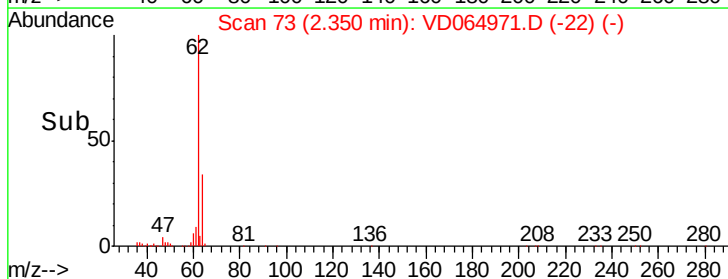
150000

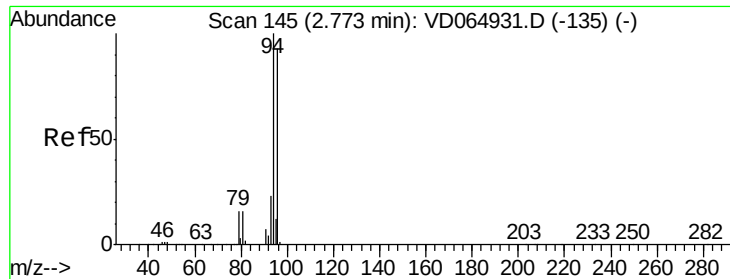
100000

50000

0

Time-->





#5

Bromomethane

Concen: 48.327 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

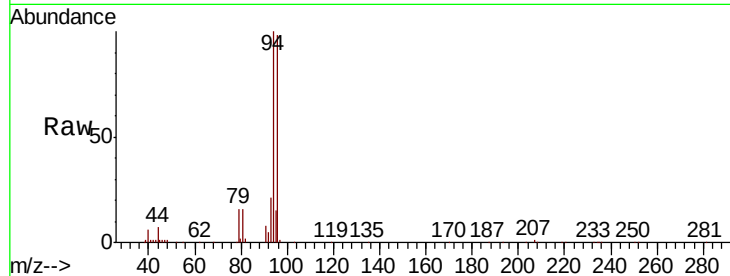
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 94 Resp: 177353

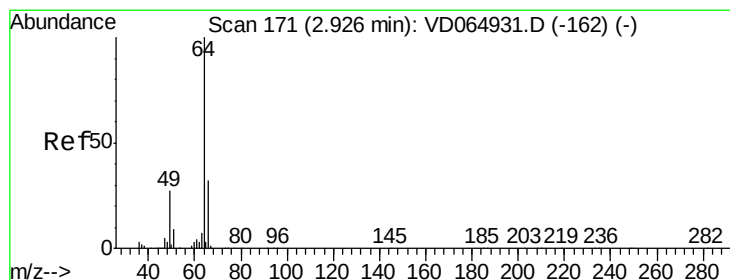
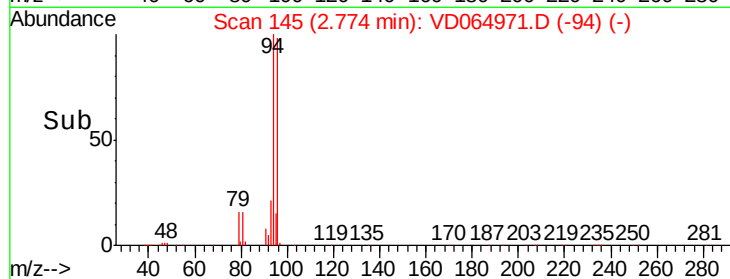
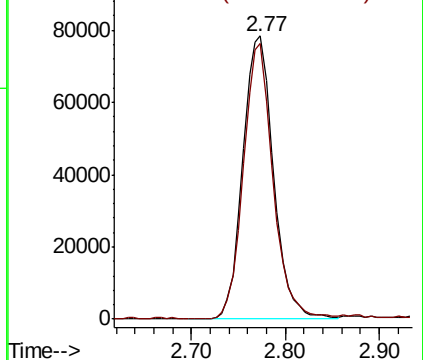
Ion Ratio Lower Upper

94 100

96 97.5 74.6 111.8



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



#6

Chloroethane

Concen: 51.324 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD064971.D

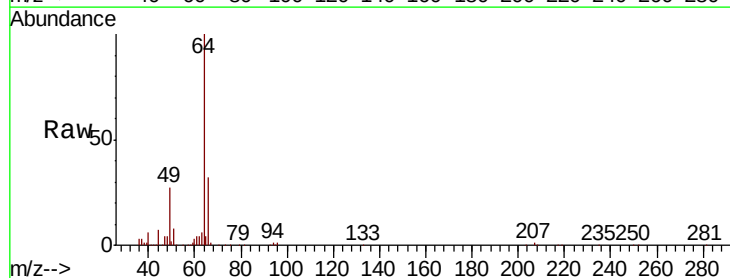
Acq: 27 Jan 2020 18:48

Tgt Ion: 64 Resp: 184597

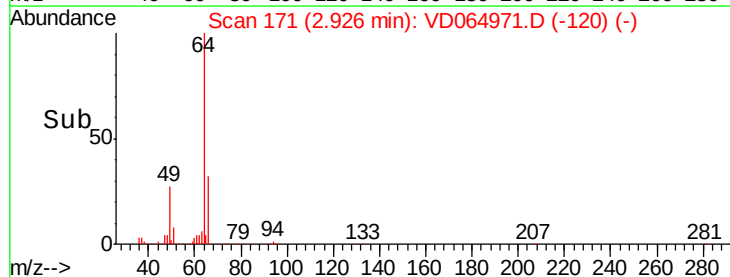
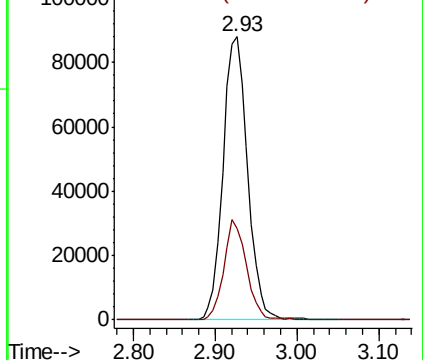
Ion Ratio Lower Upper

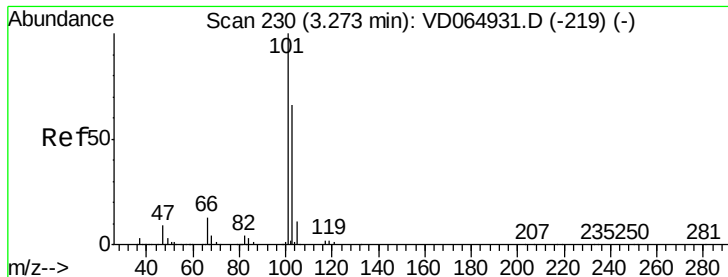
64 100

66 32.3 25.3 37.9



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



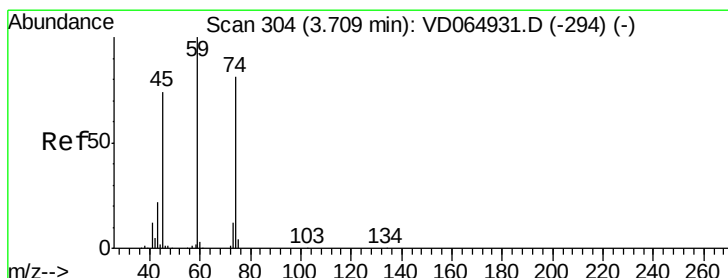
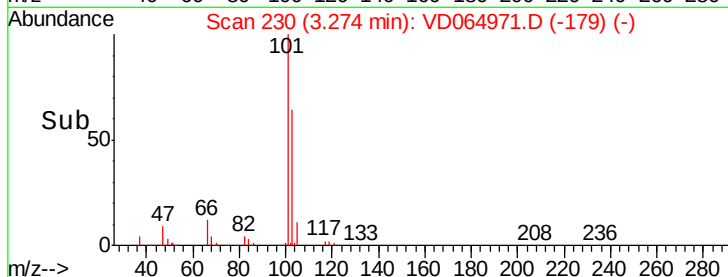
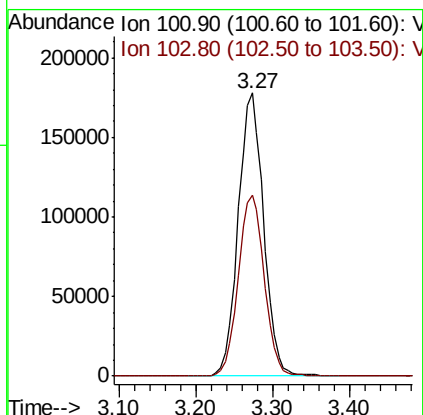
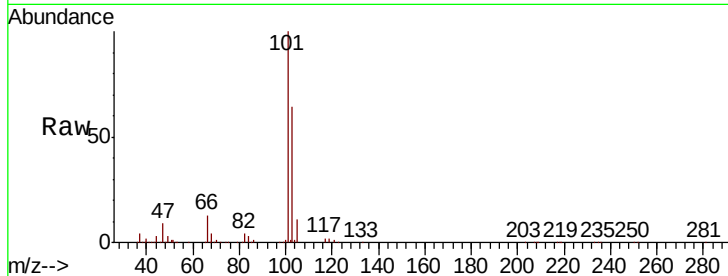


#7

Trichlorofluoromethane
Concen: 48.814 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Instrument :
MSVOA_D
ClientSampleId :

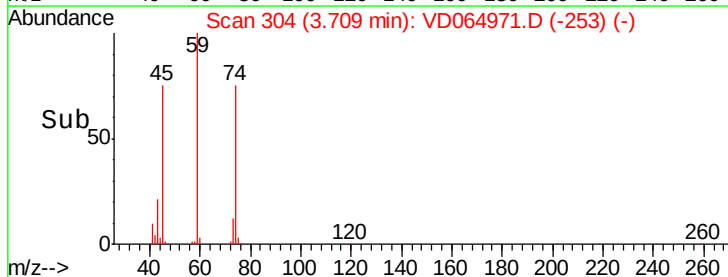
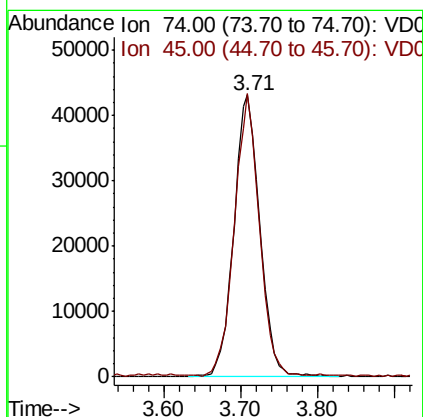
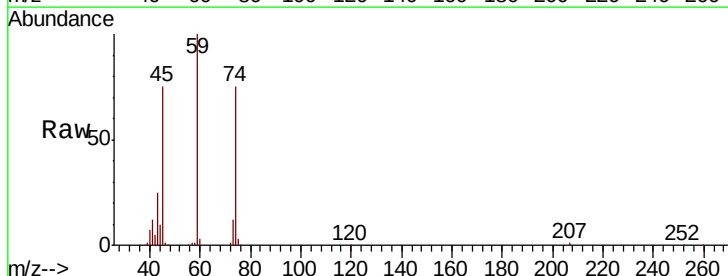
Tot Ion:101 Resp: 411287
Ion Ratio Lower Upper
101 100
103 63.8 52.5 78.7

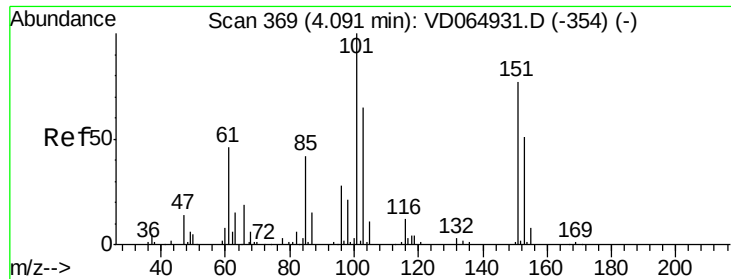


#8

Diethyl Ether
Concen: 53.495 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Tgt Ion: 74 Resp: 101751
Ion Ratio Lower Upper
74 100
45 97.3 48.5 145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.256 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Instrument :

MSVOA_D

ClientSampleId :

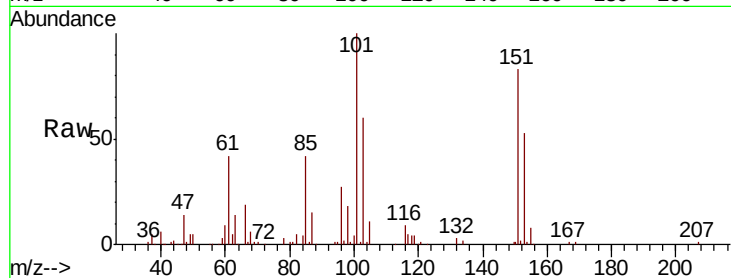
Tot Ion:101 Resp: 197000

Ion Ratio Lower Upper

101 100

85 45.1 35.0 52.4

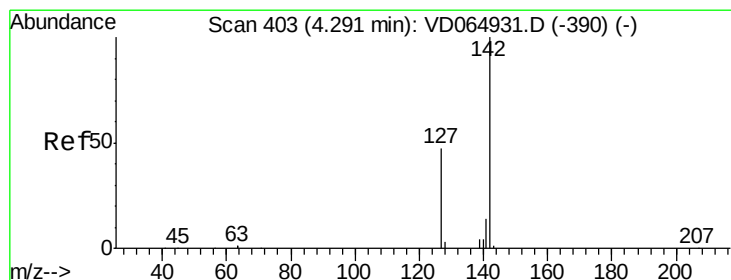
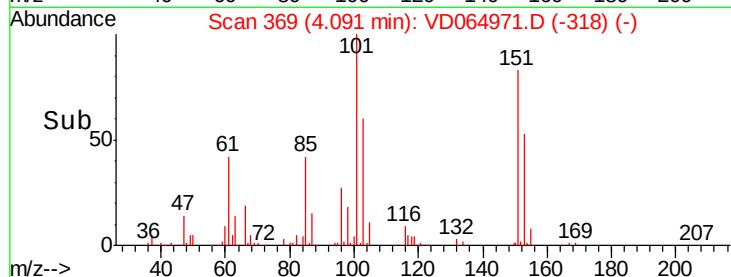
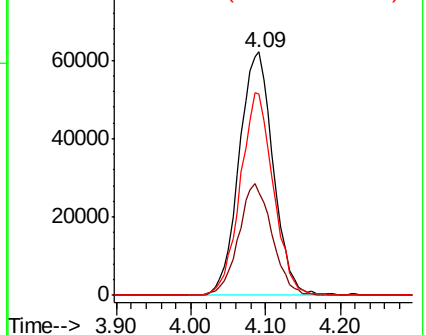
151 80.6 64.6 96.8



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: 56.704 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

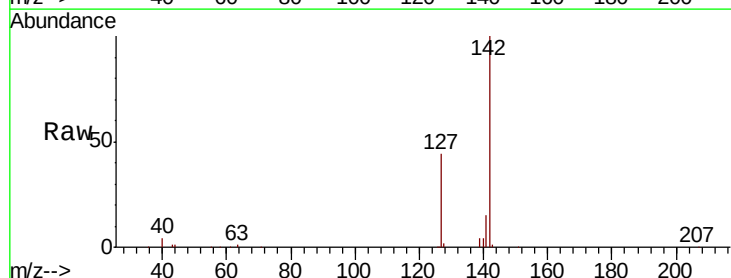
Tgt Ion:142 Resp: 235942

Ion Ratio Lower Upper

142 100

127 45.0 36.2 54.2

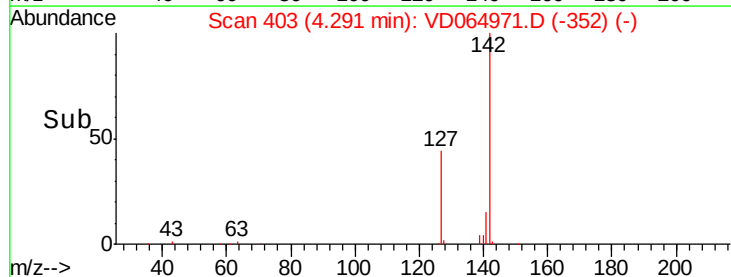
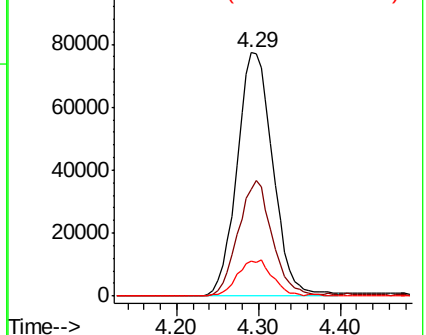
141 14.6 11.6 17.4

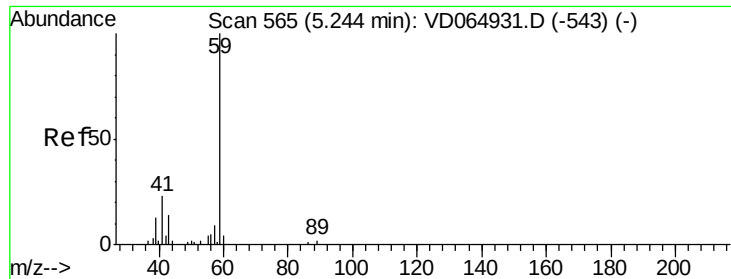


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



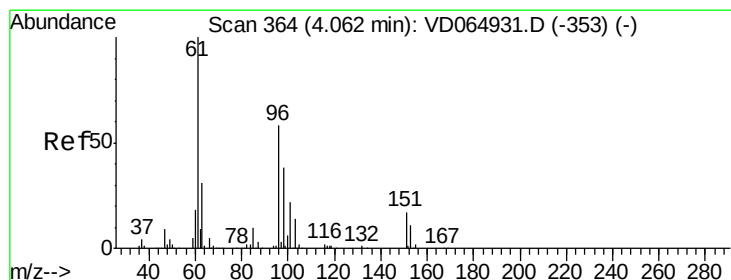
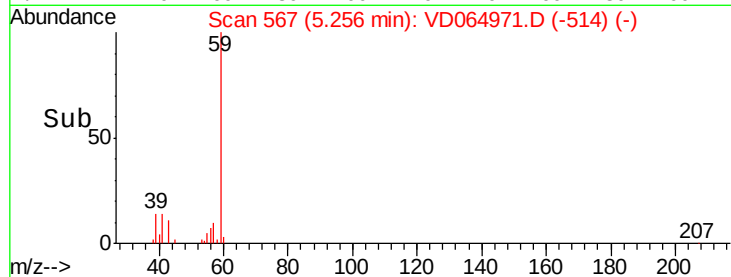
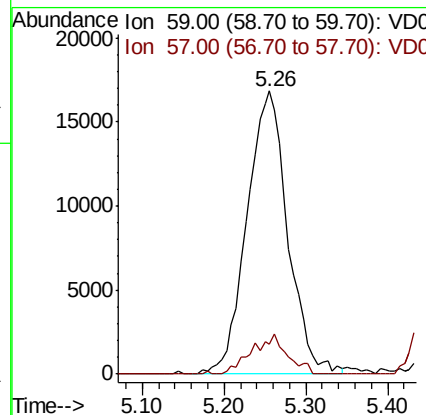
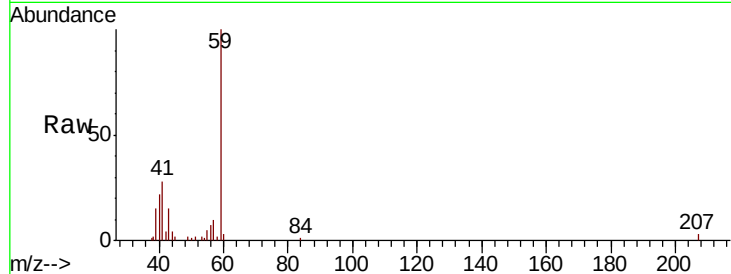


#11

Tert butyl alcohol
 Concen: 255.476 ug/l
 RT: 5.26 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: VD064971.D
 Acq: 27 Jan 2020 18:48

Instrument :
 MSVOA_D
 ClientSampleId :

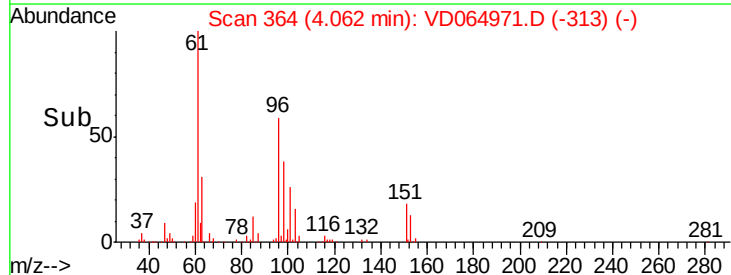
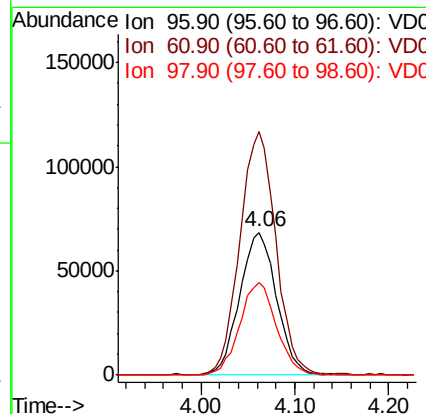
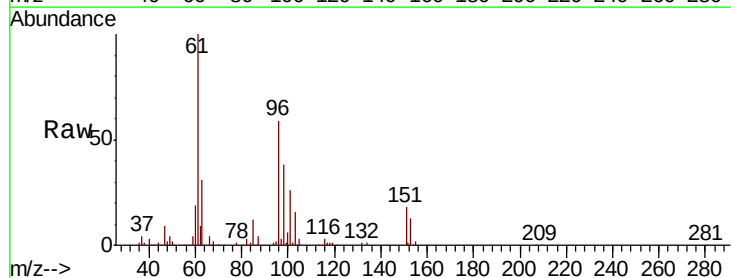
Tot Ion: 59 Resp: 58258
 Ion Ratio Lower Upper
 59 100
 57 12.2 7.7 11.5#

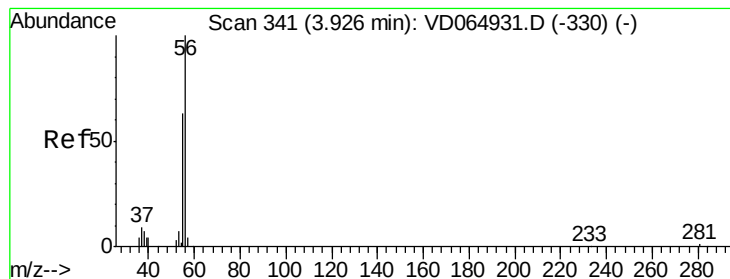


#12

1,1-Dichloroethene
 Concen: 49.841 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD064971.D
 Acq: 27 Jan 2020 18:48

Tgt Ion: 96 Resp: 186643
 Ion Ratio Lower Upper
 96 100
 61 170.5 137.0 205.4
 98 64.1 52.1 78.1





#13

Acrolein

Concen: 301.621 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Instrument :

MSVOA_D

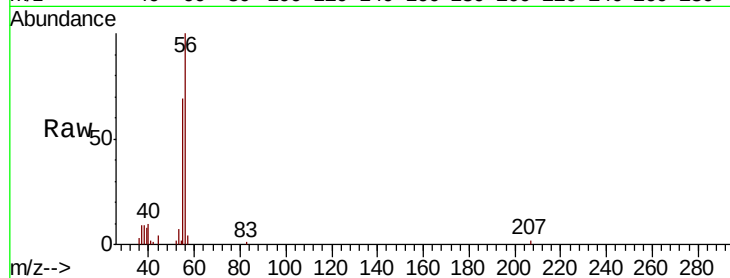
ClientSampleId :

Tot Ion: 56 Resp: 86224

Ion Ratio Lower Upper

56 100

55 71.0 59.7 89.5



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

40000

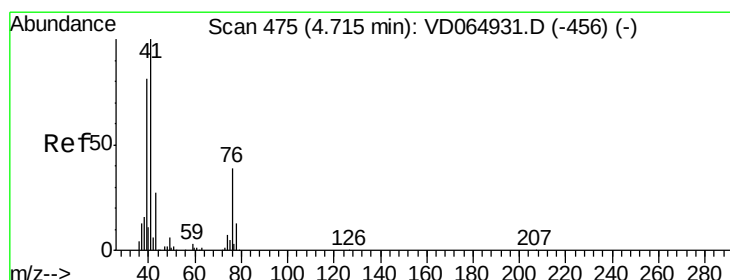
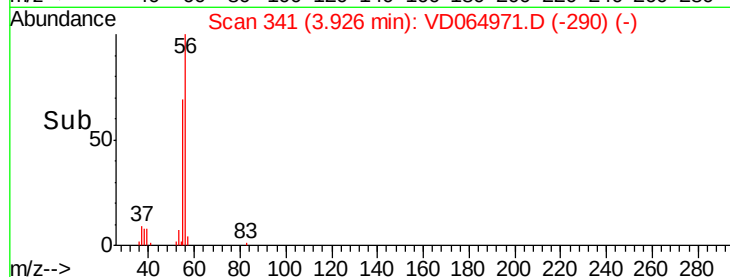
30000

20000

10000

0

Time--> 3.80 3.90 4.00



#14

Allyl chloride

Concen: 54.809 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

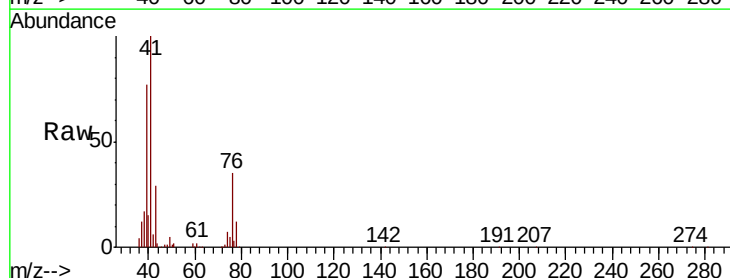
Tgt Ion: 41 Resp: 327353

Ion Ratio Lower Upper

41 100

39 74.9 62.0 93.0

76 36.0 29.3 43.9



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

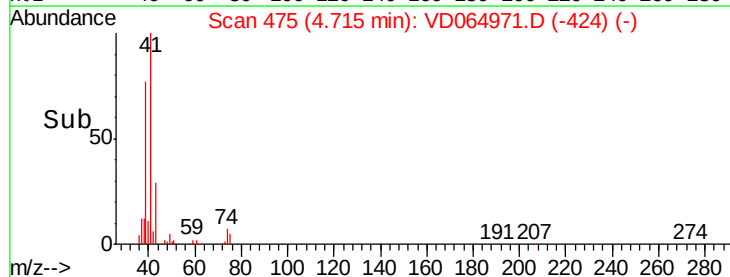
4.71

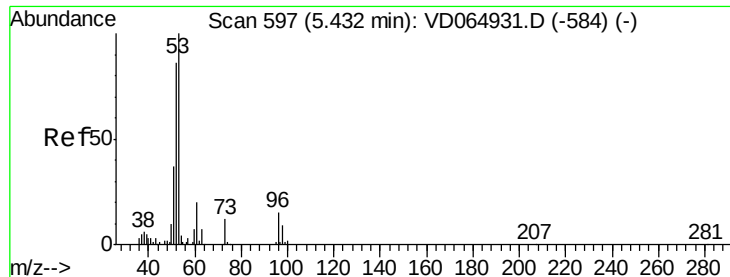
100000

50000

0

Time--> 4.50 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 279.426 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

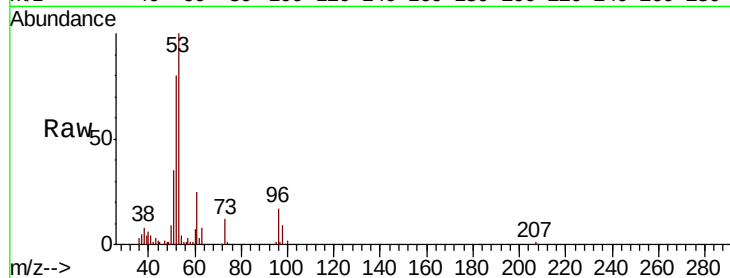
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 53 Resp: 230156

Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.7	100.1
51	38.2	31.1	46.7

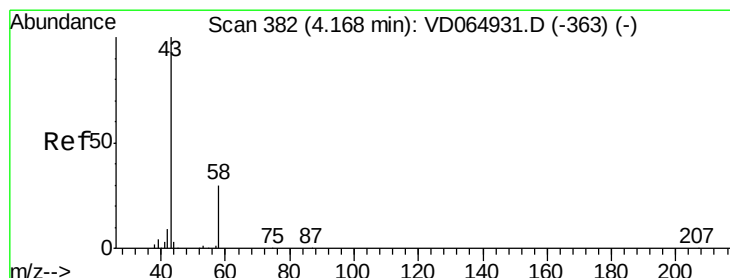
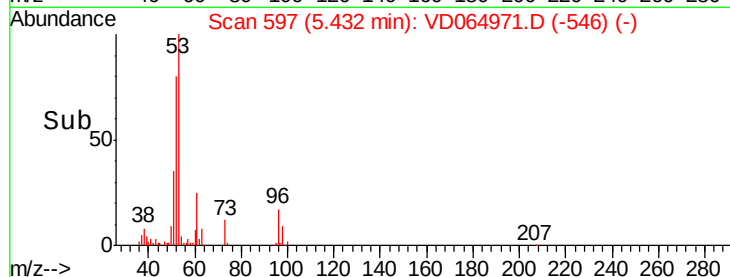
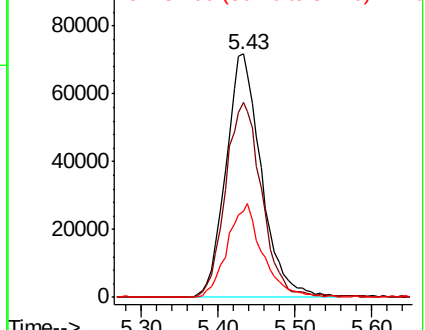


Abundance

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: 191.593 ug/l

RT: 4.17 min Scan# 382

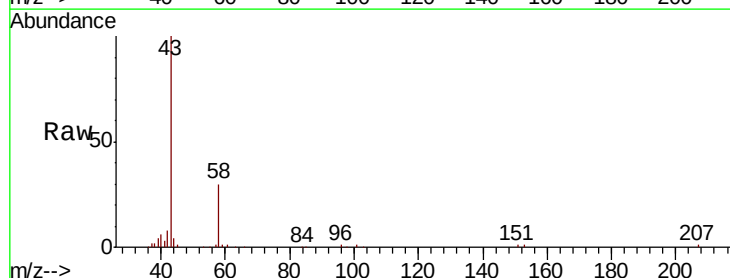
Delta R.T. 0.00 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Tgt Ion: 43 Resp: 192015

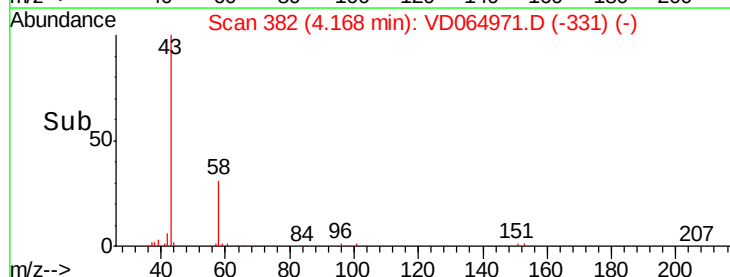
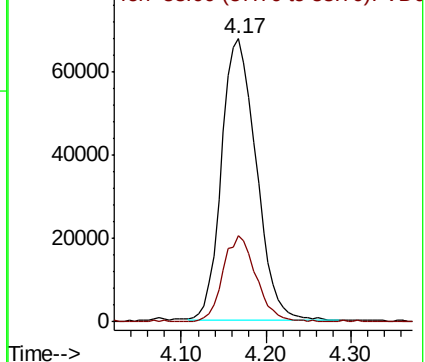
Ion	Ratio	Lower	Upper
43	100		
58	30.2	23.8	35.8

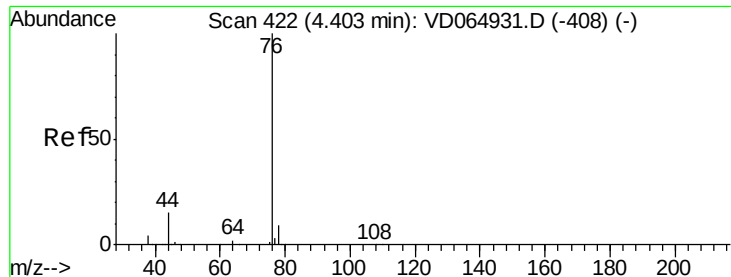


Abundance

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 51.082 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Instrument :

MSVOA_D

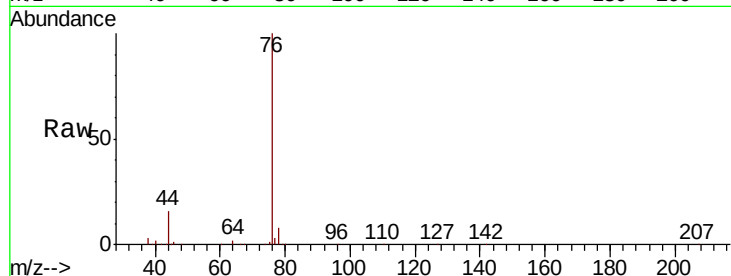
ClientSampleId :

Tot Ion: 76 Resp: 629570

Ion Ratio Lower Upper

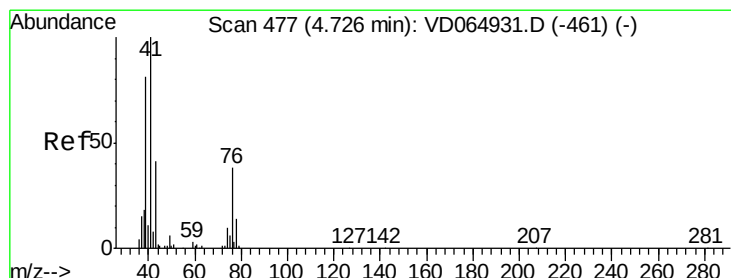
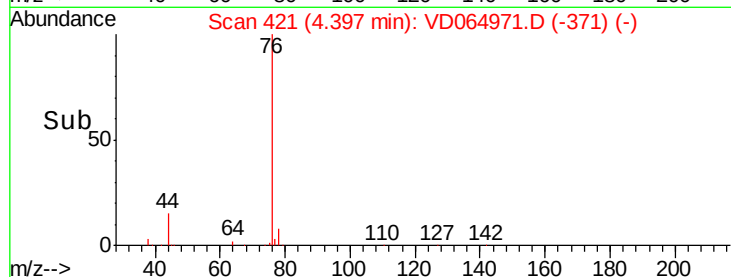
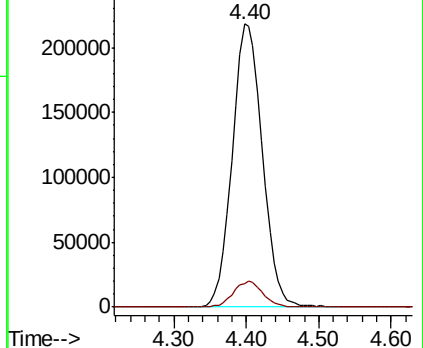
76 100

78 8.3 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 55.775 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064971.D

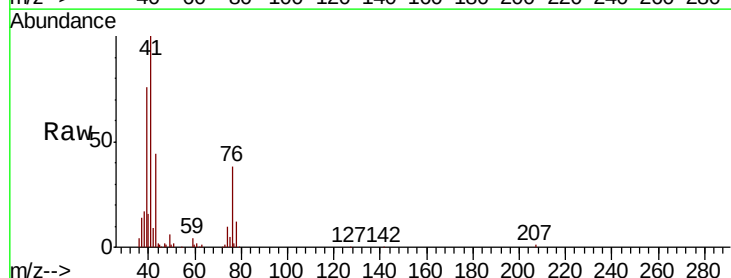
Acq: 27 Jan 2020 18:48

Tgt Ion: 43 Resp: 107793

Ion Ratio Lower Upper

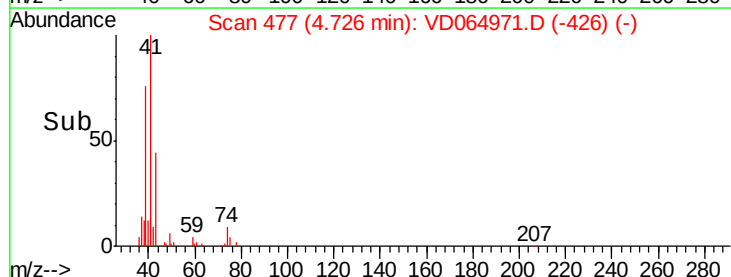
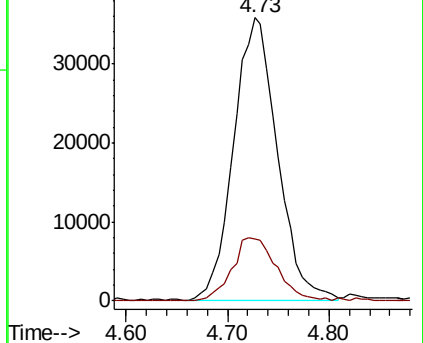
43 100

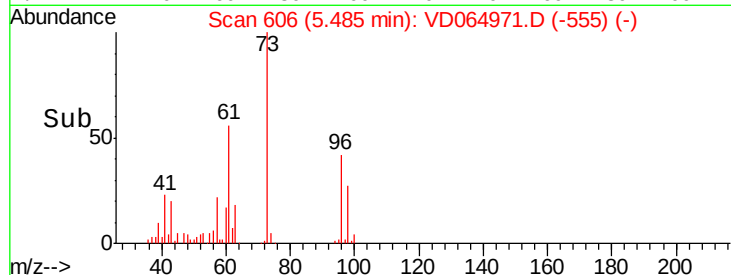
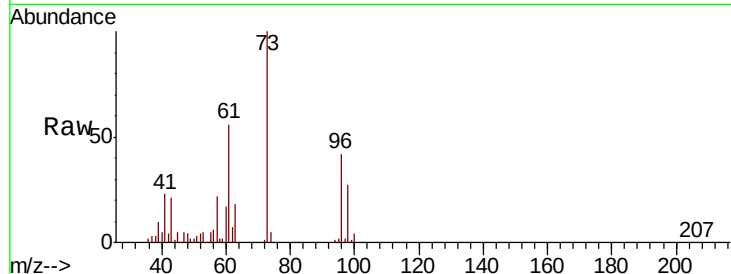
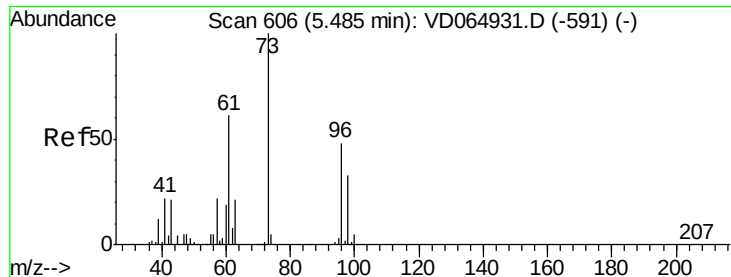
74 22.4 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

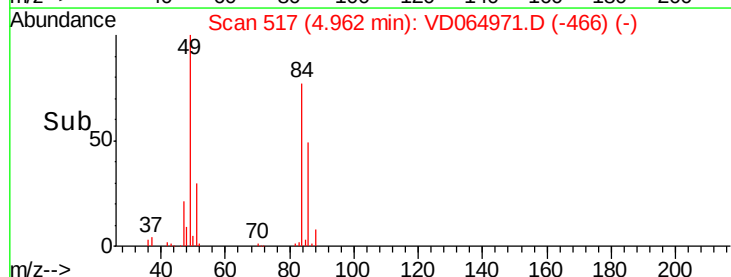
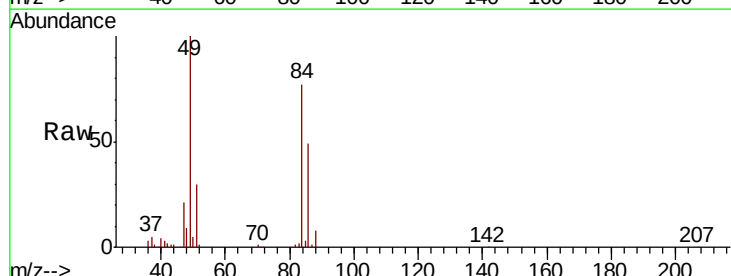
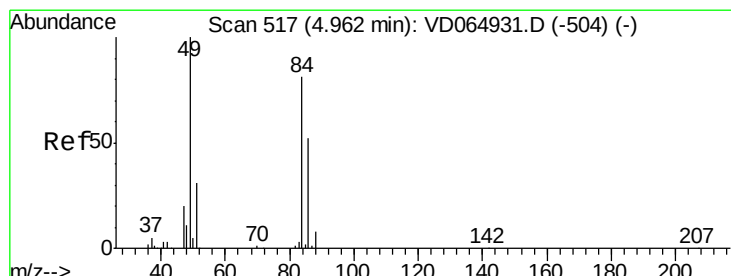
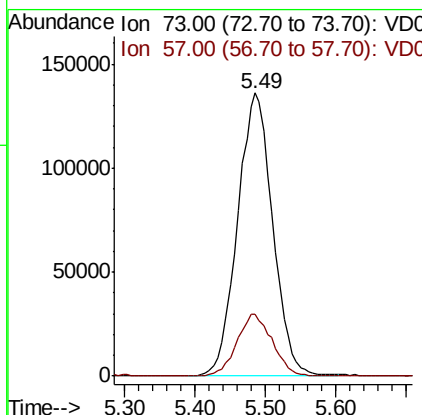




#19
Methyl tert-butyl Ether
Concen: 56.389 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

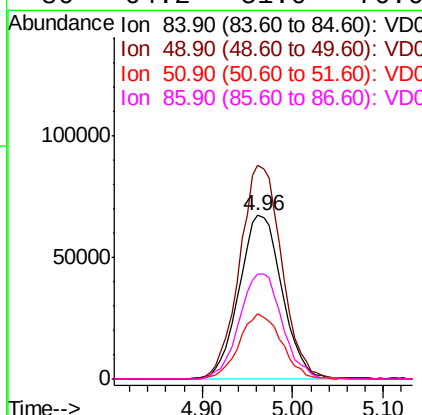
Tot Ion: 73 Resp: 471826
Ion Ratio Lower Upper
73 100
57 21.9 17.9 26.9

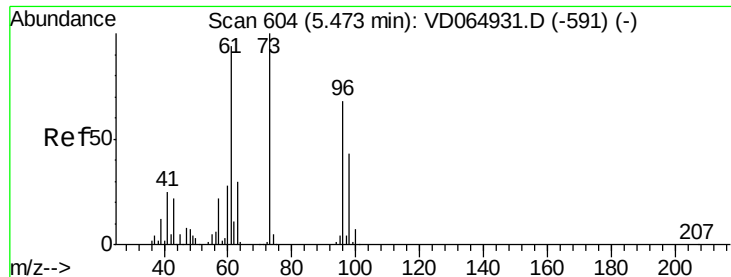
Instrument :
MSVOA_D
ClientSampleId :



#20
Methylene Chloride
Concen: 55.891 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Tgt Ion: 84 Resp: 221252
Ion Ratio Lower Upper
84 100
49 130.6 98.4 147.6
51 39.4 30.8 46.2
86 64.2 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 53.382 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Instrument :
MSVOA_D
ClientSampled :

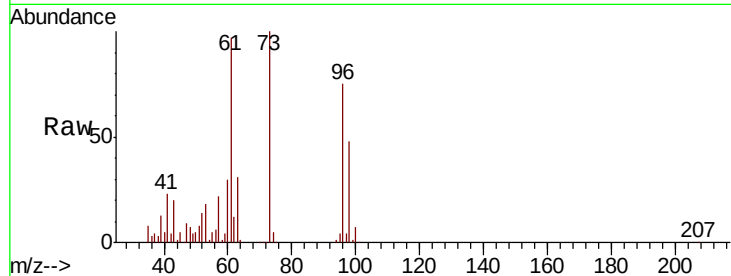
Tot Ion: 96 Resp: 230315

Ion Ratio Lower Upper

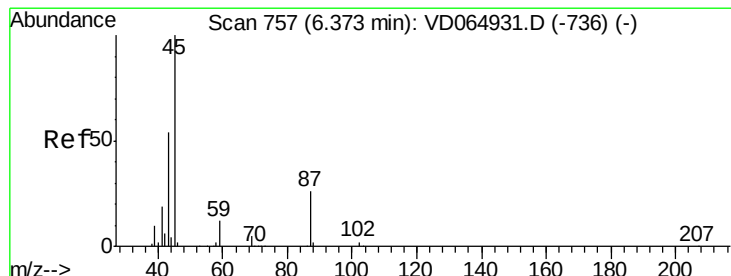
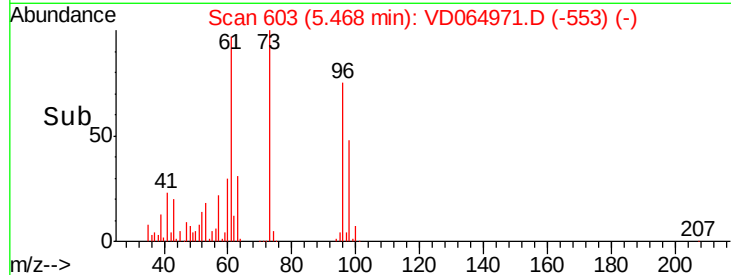
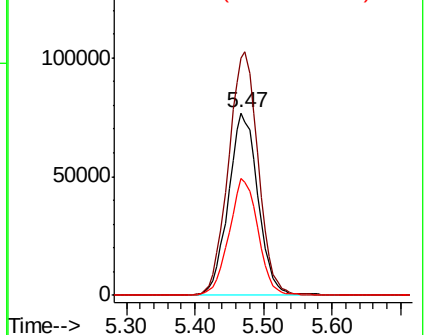
96 100

61 129.6 110.4 165.6

98 64.3 50.5 75.7



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



#22

Diisopropyl ether

Concen: 56.702 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Tgt Ion: 45 Resp: 674923

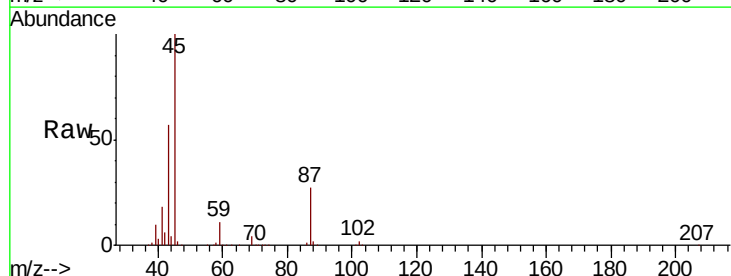
Ion Ratio Lower Upper

45 100

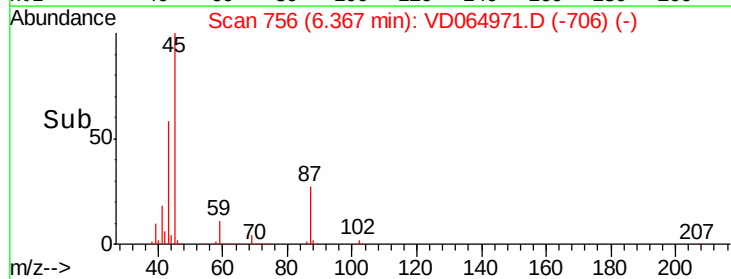
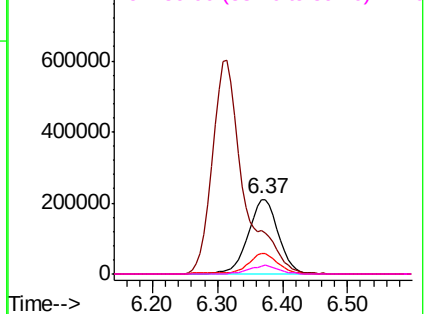
43 56.8 43.1 64.7

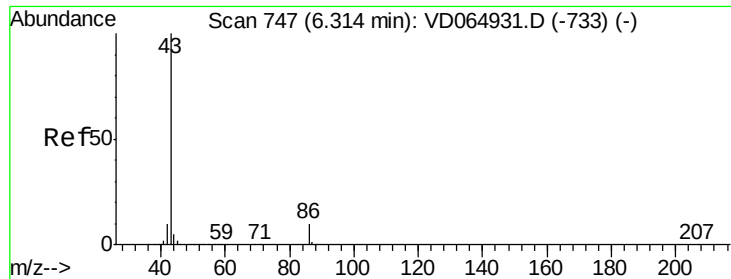
87 26.5 21.4 32.2

59 11.0 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 287.072 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Instrument :

MSVOA_D

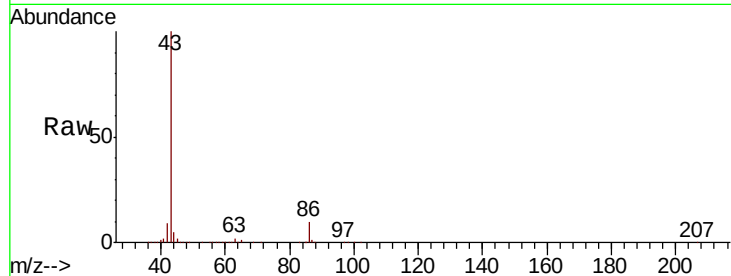
ClientSampleId :

Tot Ion: 43 Resp: 2000615

Ion Ratio Lower Upper

43 100

86 10.2 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

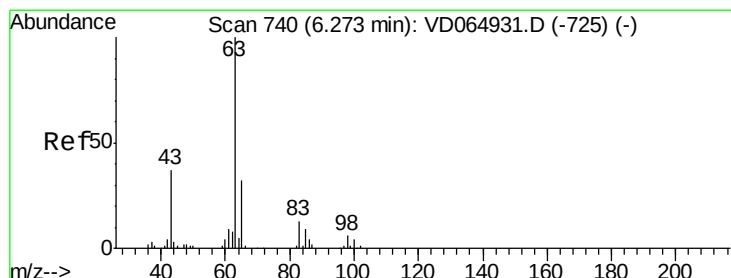
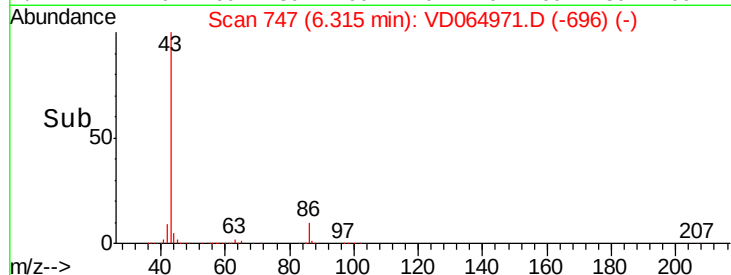
600000

400000

200000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 53.380 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

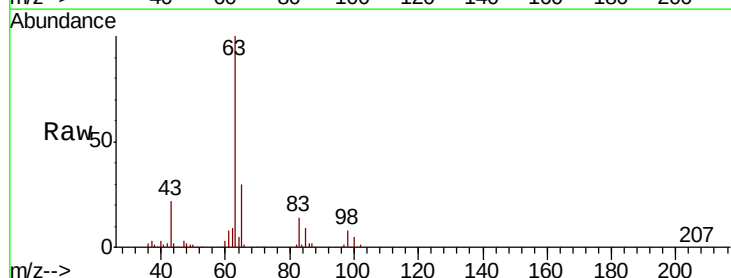
Tgt Ion: 63 Resp: 390109

Ion Ratio Lower Upper

63 100

98 7.5 3.1 9.3

100 5.4 2.3 6.8



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

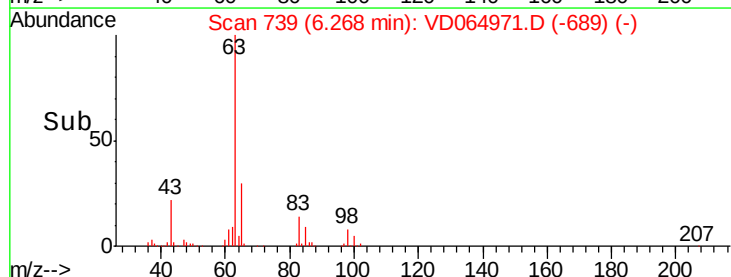
150000

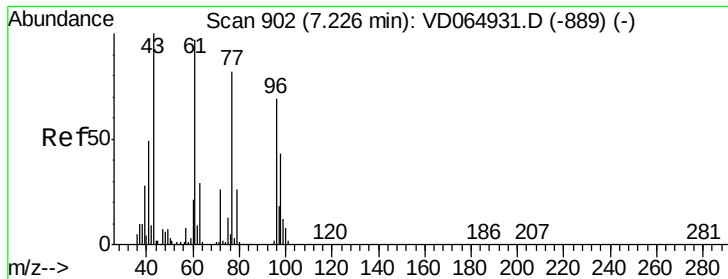
100000

50000

0

Time--> 6.20 6.30 6.40





#25

2-Butanone

Concen: 260.781 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Instrument :

MSVOA_D

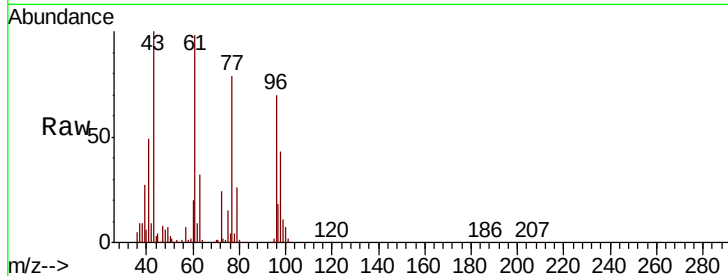
ClientSampleId :

Tot Ion: 43 Resp: 290732

Ion Ratio Lower Upper

43 100

72 24.4 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.23

120000

100000

80000

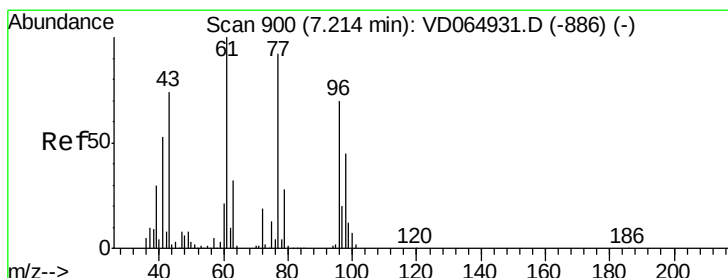
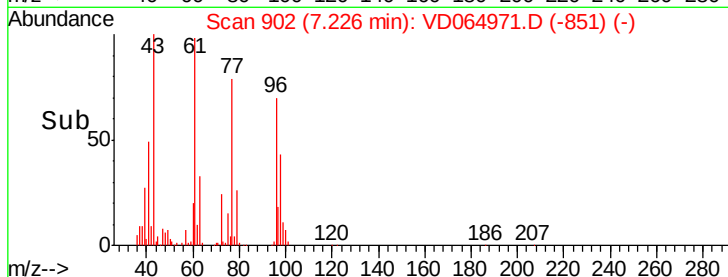
60000

40000

20000

0

Time--> 7.10 7.15 7.20 7.25 7.30



#26

2,2-Dichloropropane

Concen: 50.731 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064971.D

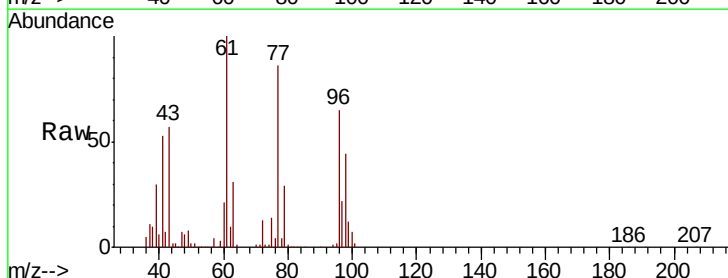
Acq: 27 Jan 2020 18:48

Tgt Ion: 77 Resp: 336294

Ion Ratio Lower Upper

77 100

97 22.5 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

7.21

120000

100000

80000

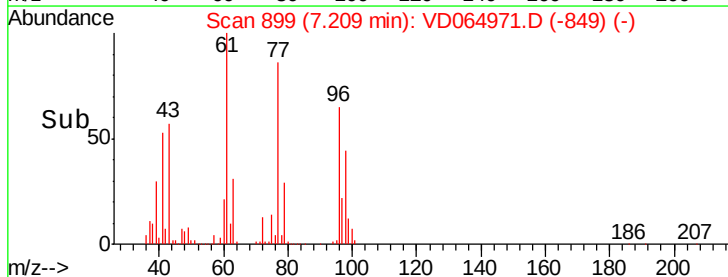
60000

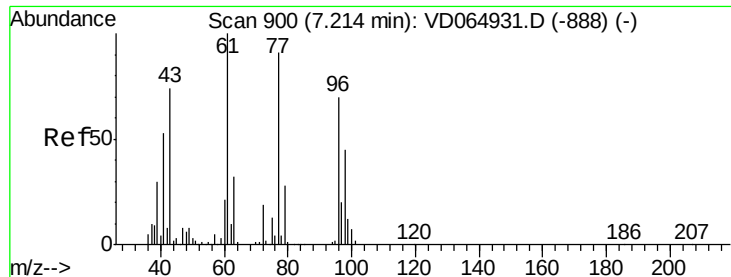
40000

20000

0

Time--> 7.10 7.20 7.30





#27

cis-1,2-Dichloroethene

Concen: 54.030 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Instrument :

MSVOA_D

ClientSampleId :

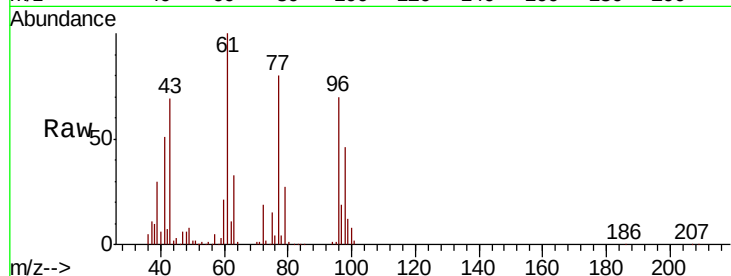
Tot Ion: 96 Resp: 248812

Ion Ratio Lower Upper

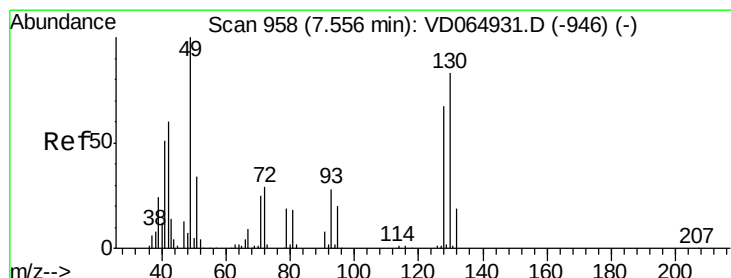
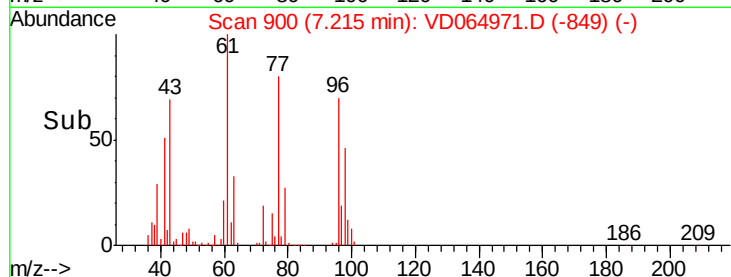
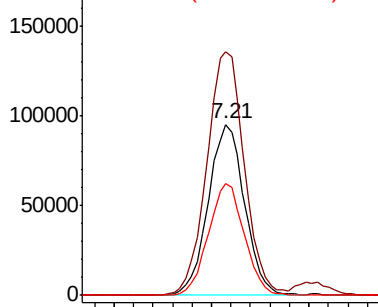
96 100

61 146.6 0.0 292.8

98 64.7 0.0 130.0



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: 58.316 ug/l

RT: 7.55 min Scan# 957

Delta R.T. -0.01 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

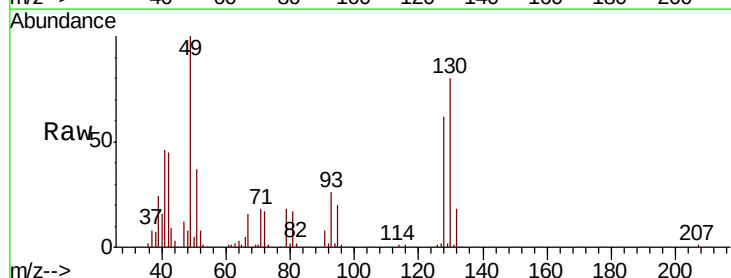
Tgt Ion: 49 Resp: 170442

Ion Ratio Lower Upper

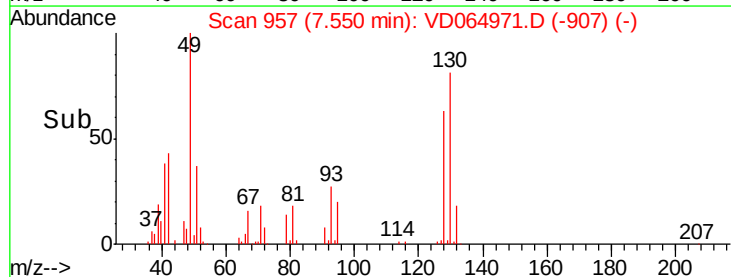
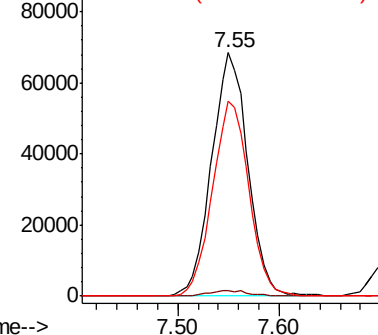
49 100

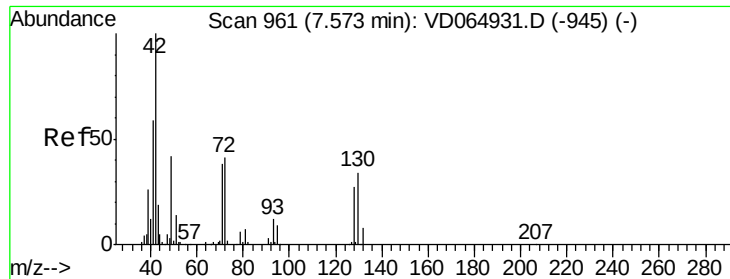
129 2.3 0.0 4.4

130 80.5 63.8 95.8



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

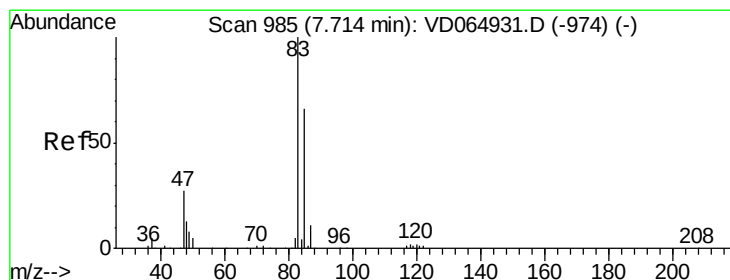
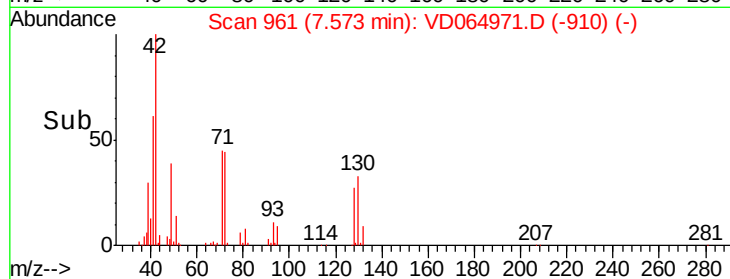
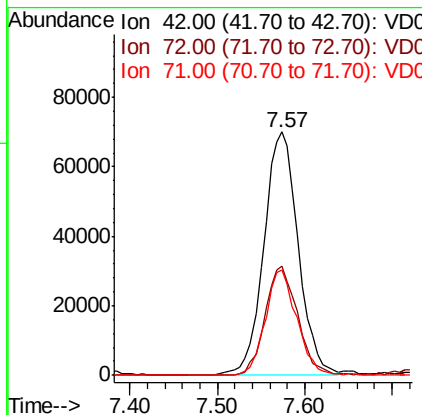
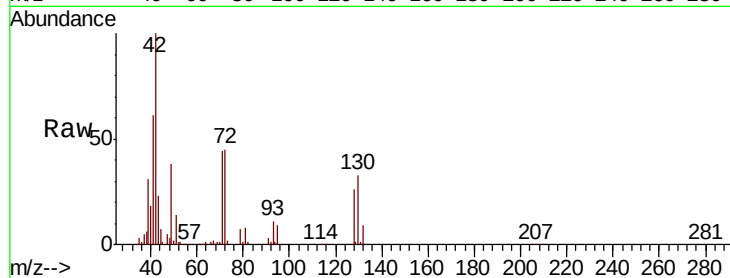




#29
Tetrahydrofuran
Concen: 276.646 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

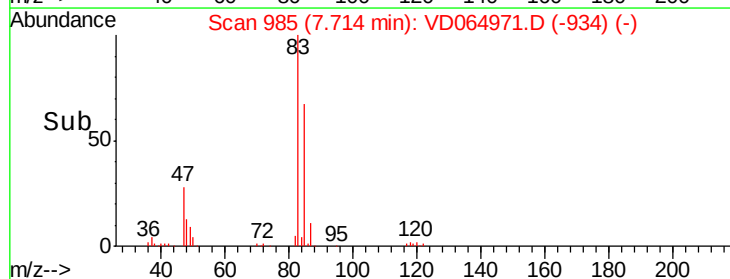
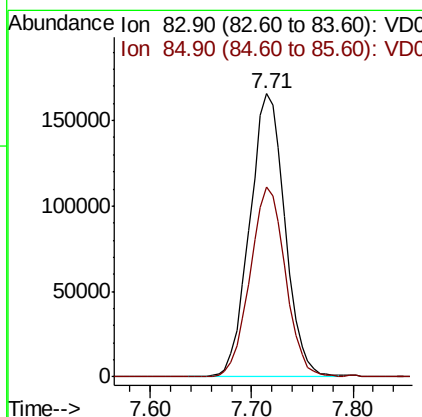
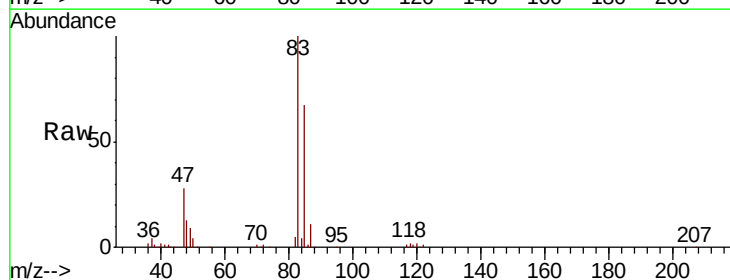
Instrument :
MSVOA_D
ClientSampleId :

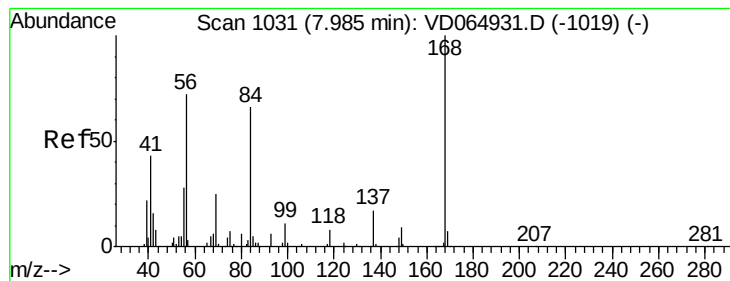
Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	34.0	51.0
71	40.0	31.5	47.3



#30
Chloroform
Concen: 53.299 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.1	52.4	78.6





#31

Cyclohexane

Concen: 48.008 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

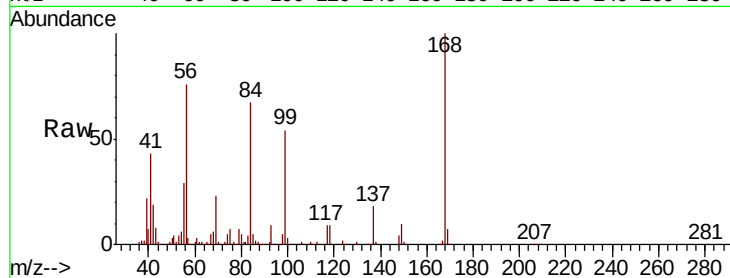
Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 345145

Ion	Ratio	Lower	Upper
56	100		
69	30.6	27.9	41.9
84	86.6	72.8	109.2

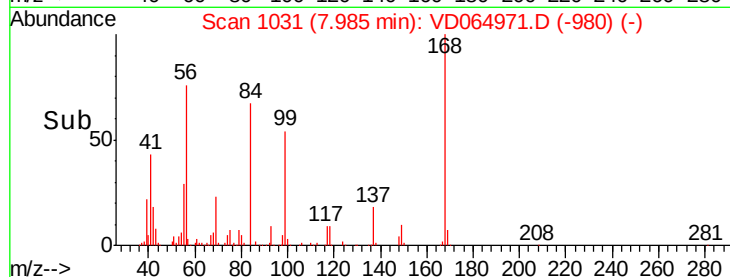


Abundance

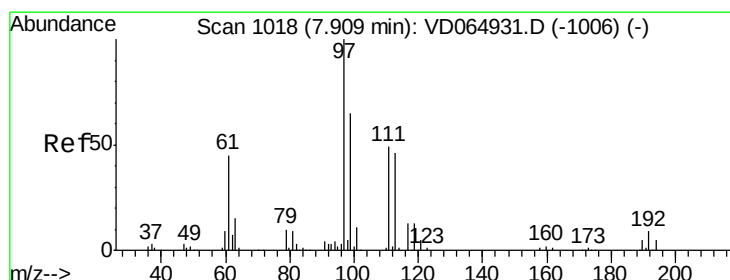
Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC



Time-->



#32

1,1,1-Trichloroethane

Concen: 51.875 ug/l

RT: 7.91 min Scan# 1018

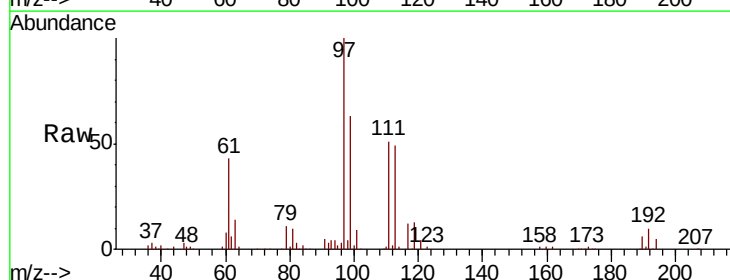
Delta R.T. 0.00 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Tgt Ion: 97 Resp: 364580

Ion	Ratio	Lower	Upper
97	100		
99	63.4	50.6	76.0
61	44.2	35.7	53.5

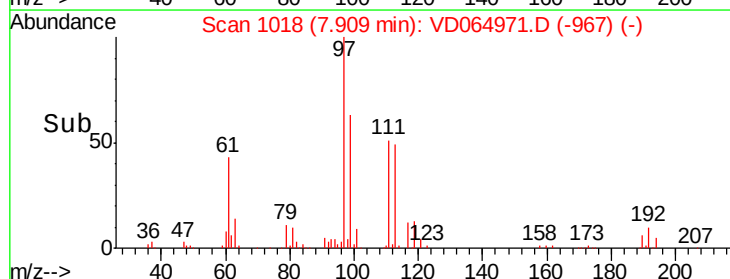


Abundance

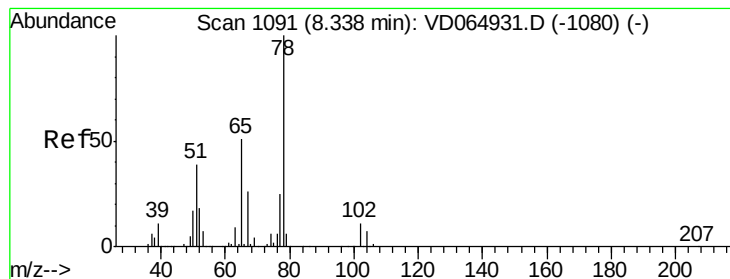
Ion 96.90 (96.60 to 97.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

Ion 60.90 (60.60 to 61.60): VDC



Time-->



#33

1,2-Dichloroethane-d4

Concen: 57.557 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Instrument :

MSVOA_D

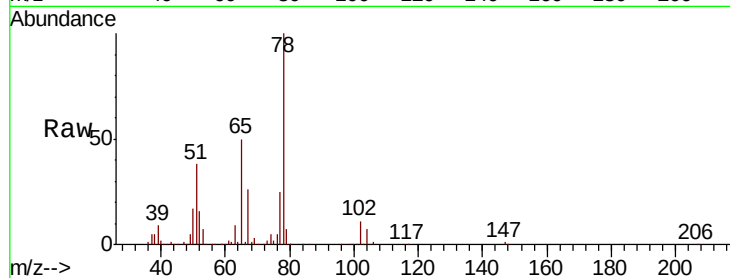
ClientSampleId :

Tot Ion: 65 Resp: 237511

Ion Ratio Lower Upper

65 100

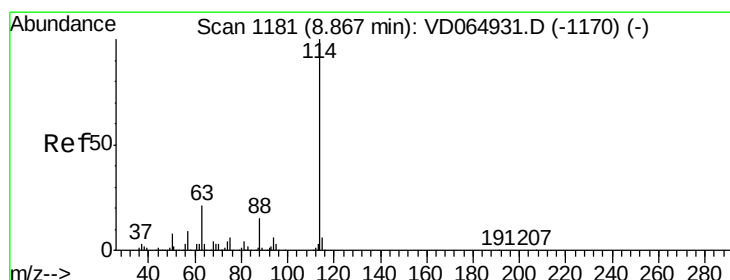
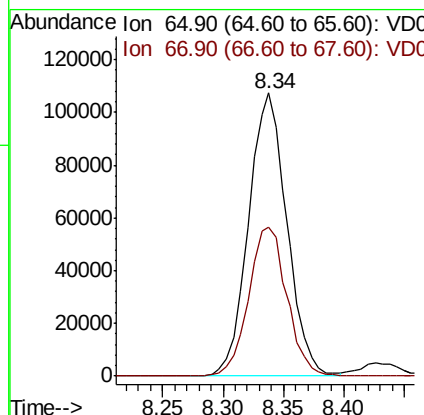
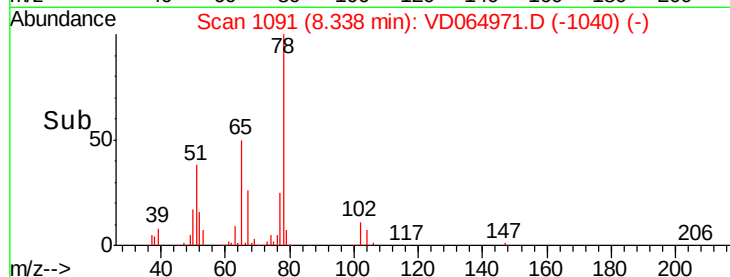
67 52.8 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): V

Ion 66.90 (66.60 to 67.60): V

8.34



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

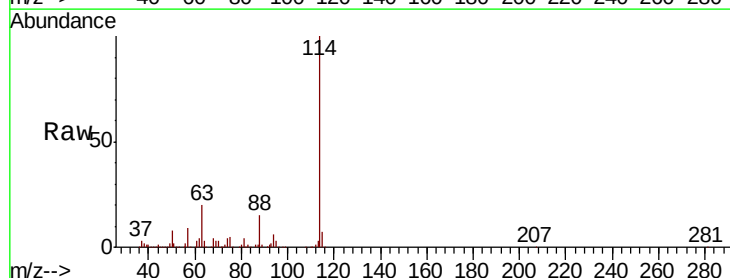
Tgt Ion: 114 Resp: 664241

Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.0

88 15.0 0.0 29.4

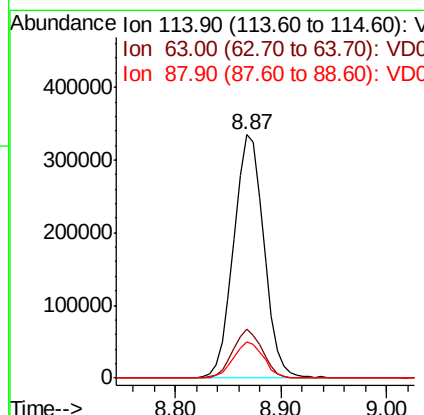
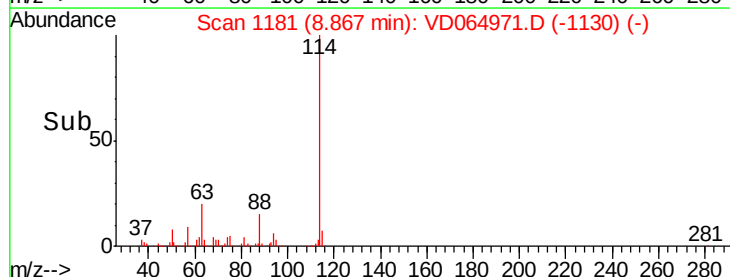


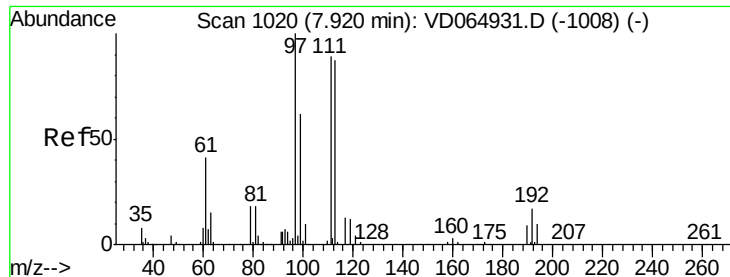
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V

8.87

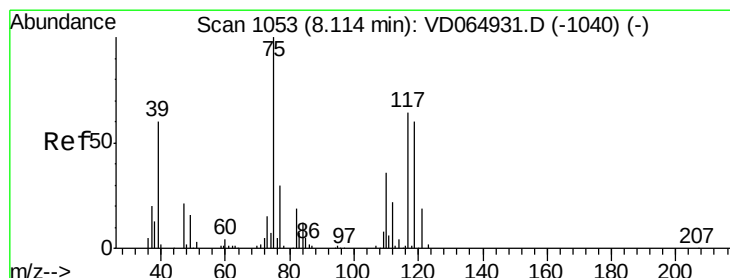
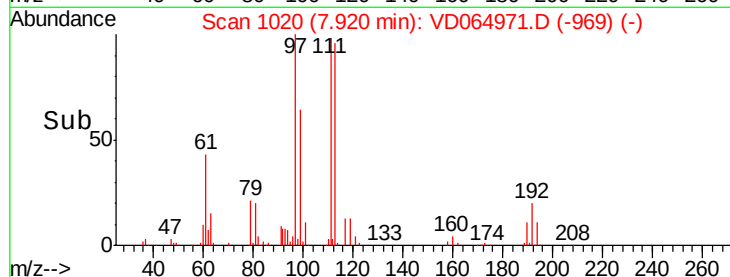
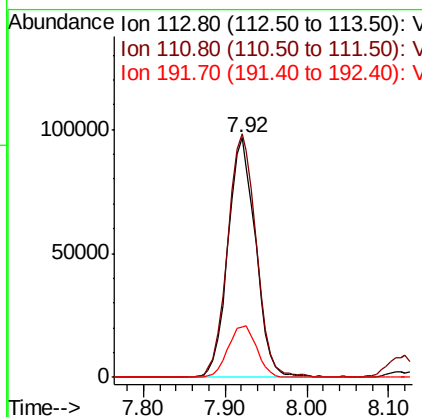
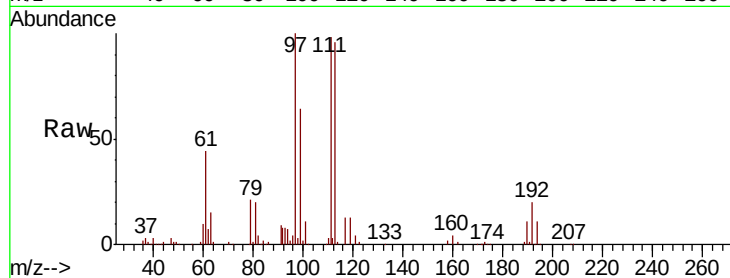




#35
 Dibromofluoromethane
 Concen: 54.474 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064971.D
 Acq: 27 Jan 2020 18:48

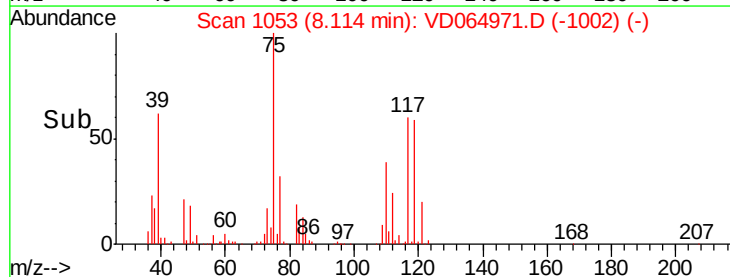
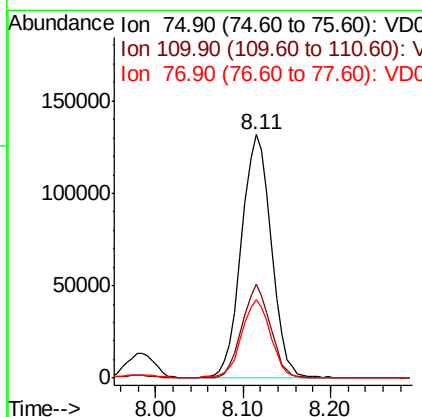
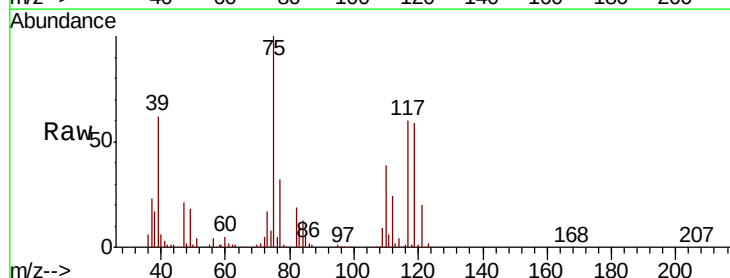
Instrument :
 MSVOA_D
 ClientSampled :

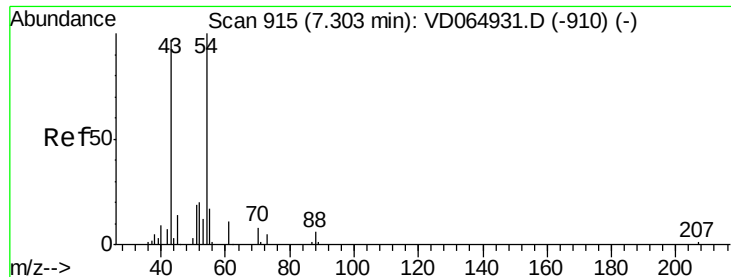
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.7	82.4	123.6
192	22.3	16.9	25.3



#36
 1,1-Dichloropropene
 Concen: 47.661 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064971.D
 Acq: 27 Jan 2020 18:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.6	17.3	52.0
77	31.6	24.7	37.1

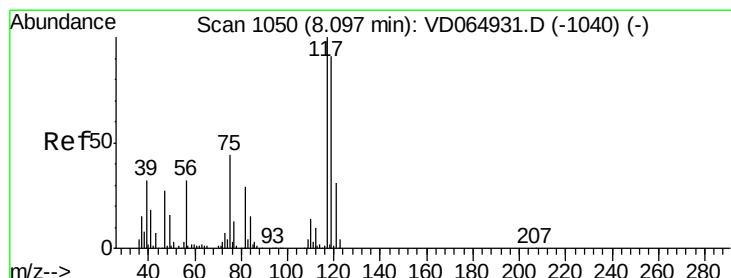
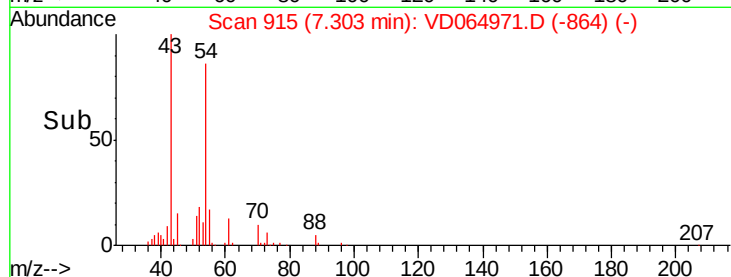
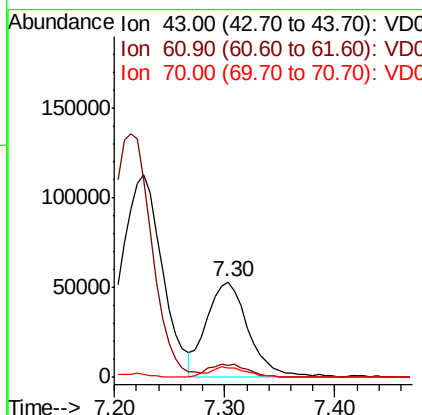
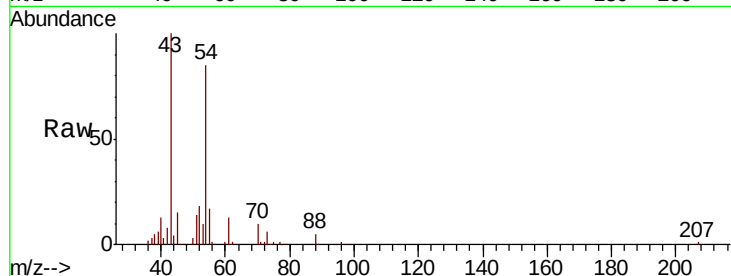




#37
Ethyl Acetate
Concen: 51.681 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

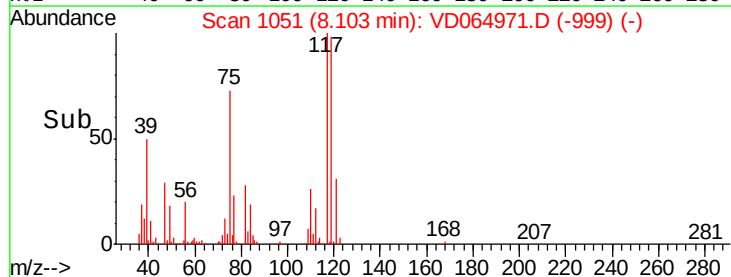
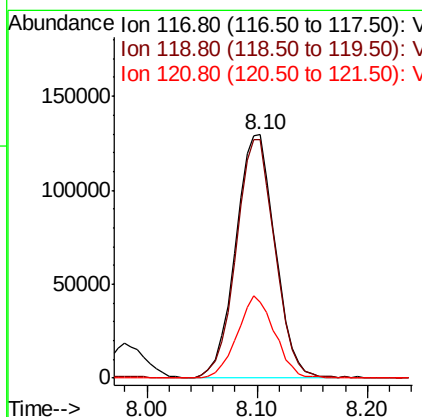
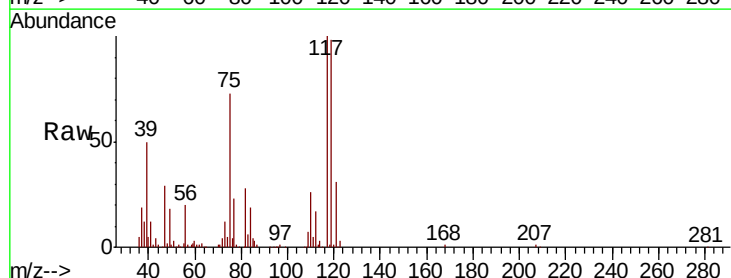
Instrument :
MSVOA_D
ClientSampleId :

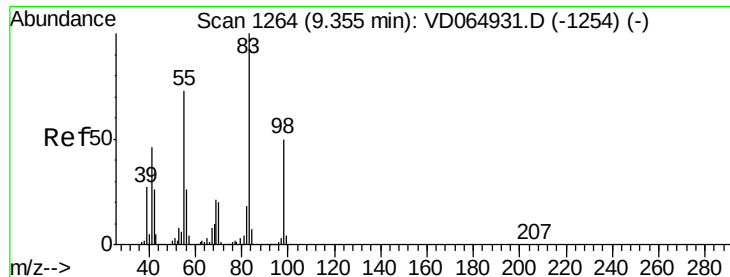
Tot Ion: 43 Resp: 136733
Ion Ratio Lower Upper
43 100
61 12.2 11.0 16.4
70 10.4 7.5 11.3



#38
Carbon Tetrachloride
Concen: 47.826 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Tgt Ion: 117 Resp: 323783
Ion Ratio Lower Upper
117 100
119 98.0 73.2 109.8
121 31.3 24.4 36.6

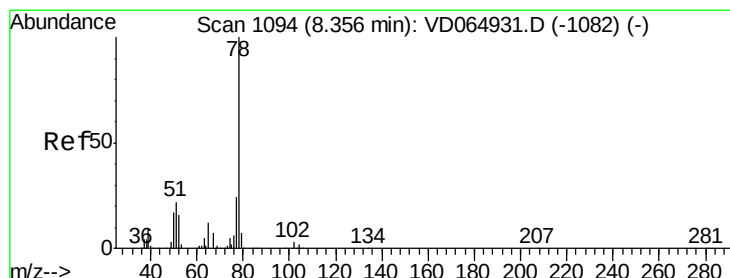
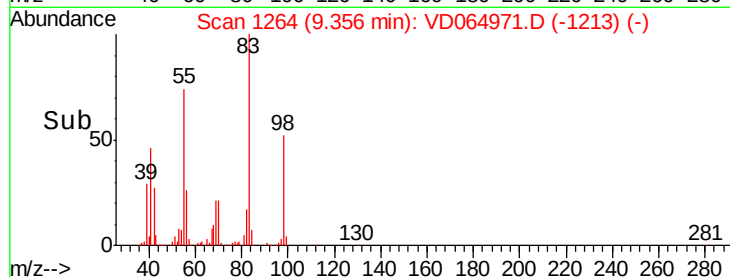
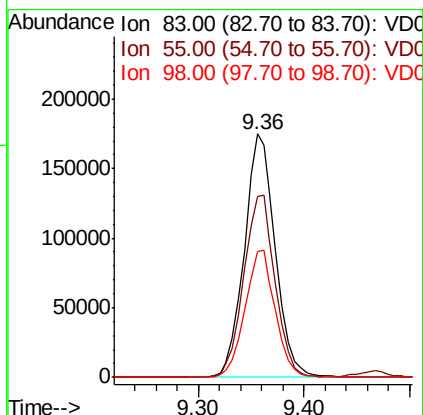
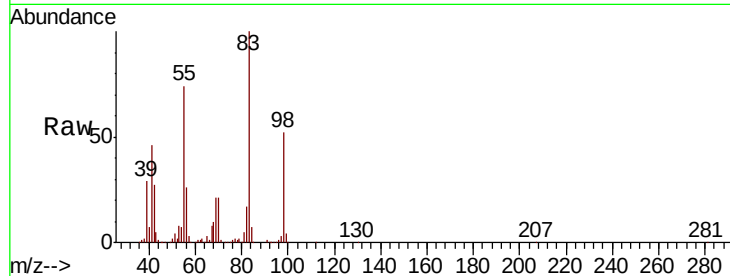




#39
Methylvlcyclohexane
Concen: 47.426 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

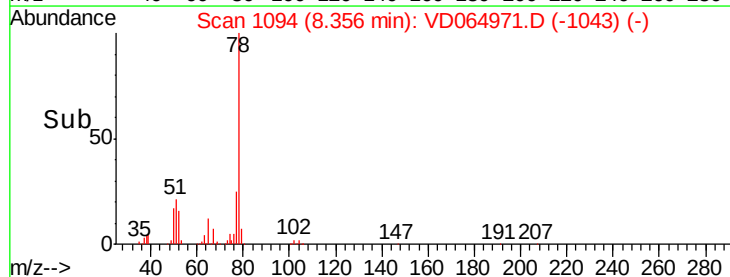
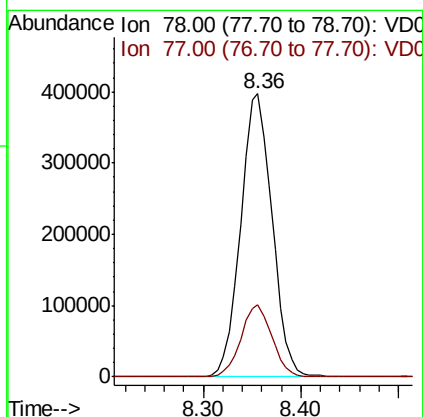
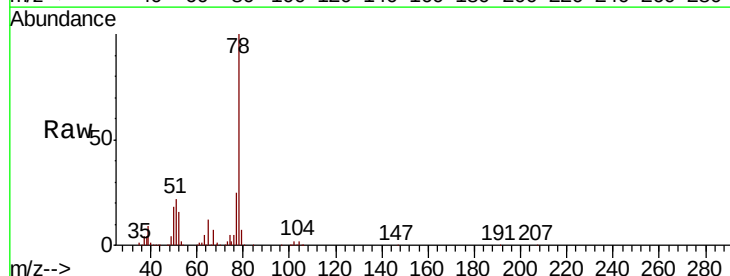
Instrument :
MSVOA_D
ClientSampleId :

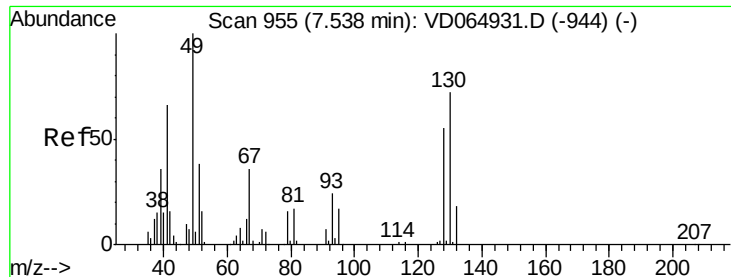
Tot Ion: 83 Resp: 355145
Ion Ratio Lower Upper
83 100
55 74.3 58.7 88.1
98 51.8 40.2 60.2



#40
Benzene
Concen: 50.452 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Tgt Ion: 78 Resp: 890010
Ion Ratio Lower Upper
78 100
77 25.4 19.2 28.8

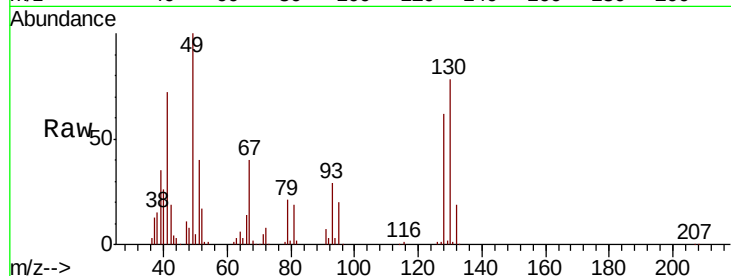




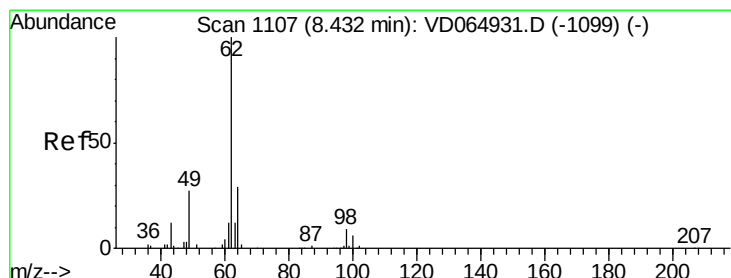
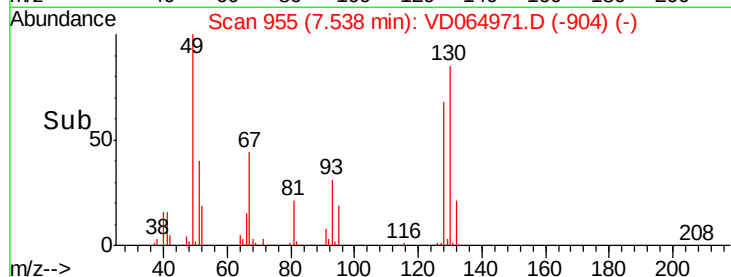
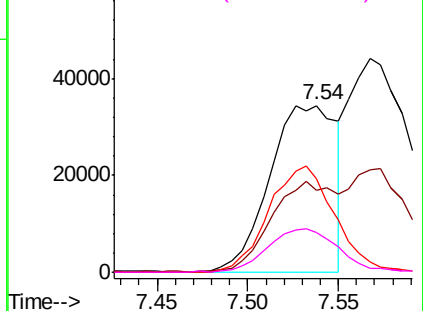
#41
Methacrylonitrile
Concen: 62.302 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.00 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	41	Resp:	88794
Ion	Ratio	Lower	Upper
41	100		
39	52.3	49.3	73.9
67	63.0	51.0	76.6
52	27.9	22.3	33.5

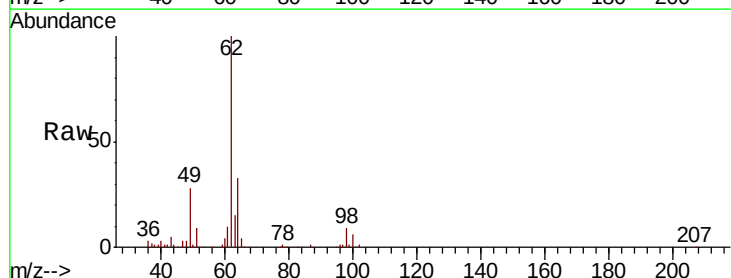


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

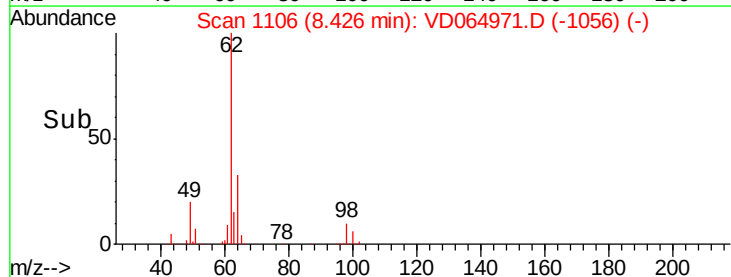
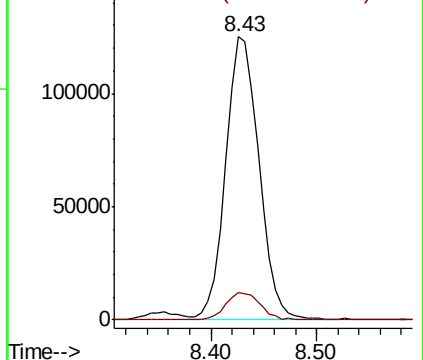


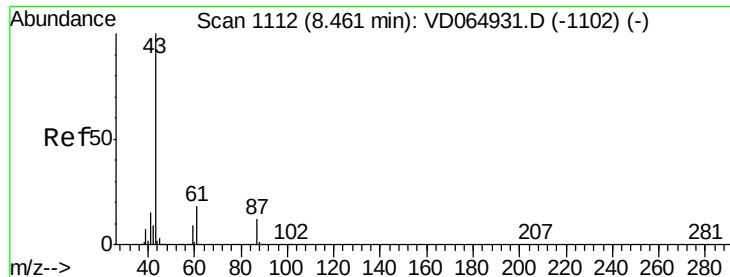
#42
1,2-Dichloroethane
Concen: 51.794 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Tgt Ion:	62	Resp:	272171
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	17.8



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





#43

Isopropyl Acetate

Concen: 53.234 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Instrument :

MSVOA_D

ClientSampleId :

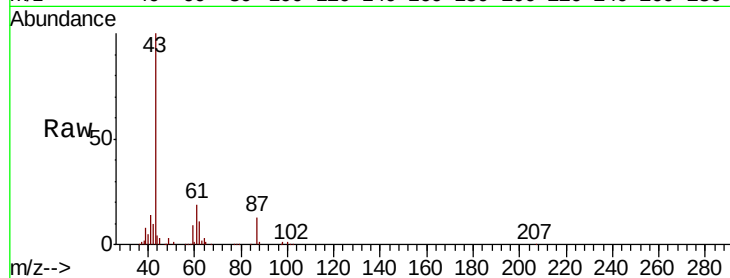
Tot Ion: 43 Resp: 267531

Ion Ratio Lower Upper

43 100

61 28.6 23.8 35.6

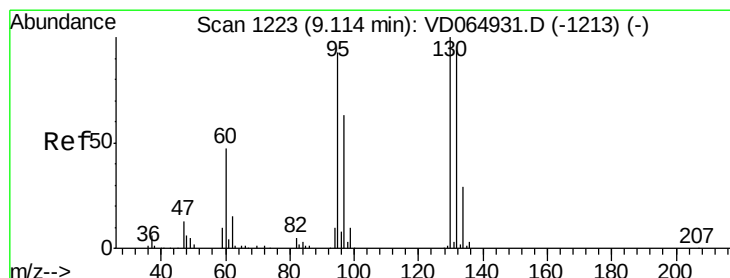
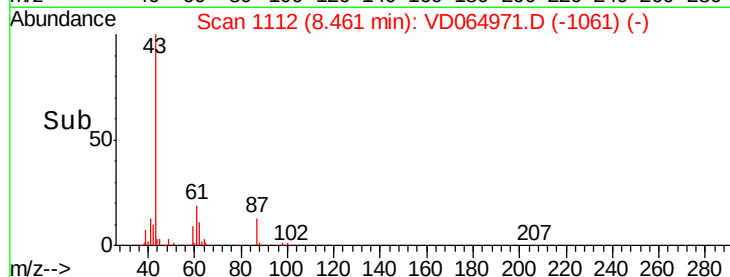
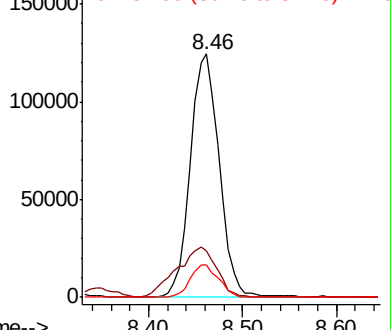
87 13.1 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 50.019 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064971.D

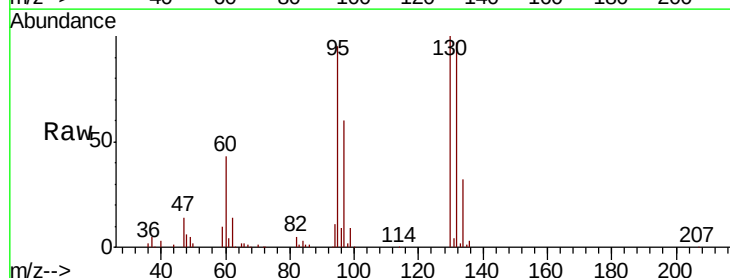
Acq: 27 Jan 2020 18:48

Tgt Ion:130 Resp: 246947

Ion Ratio Lower Upper

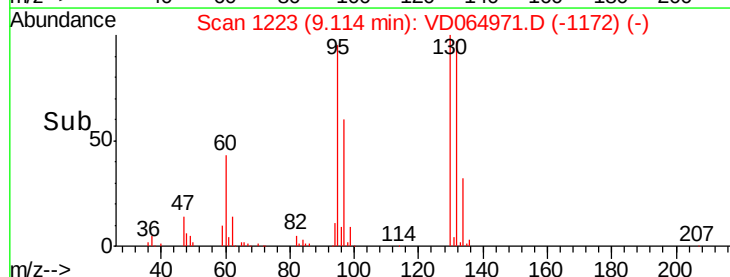
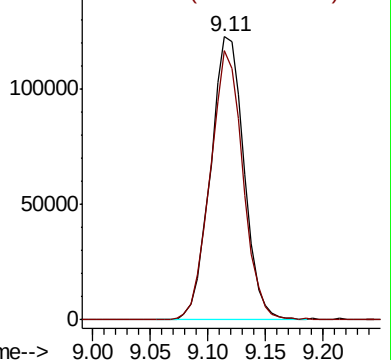
130 100

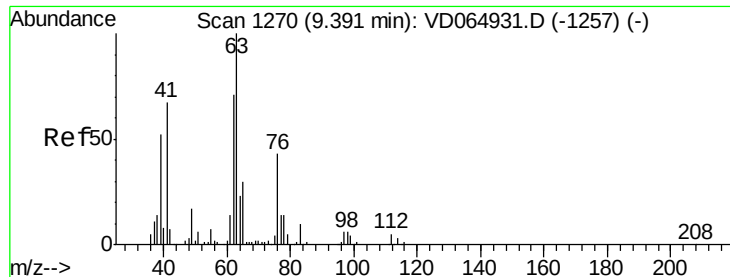
95 95.3 0.0 185.8



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

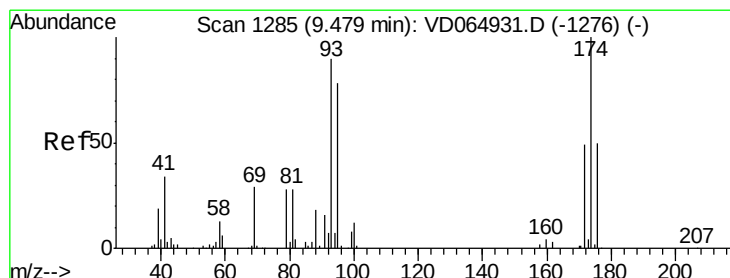
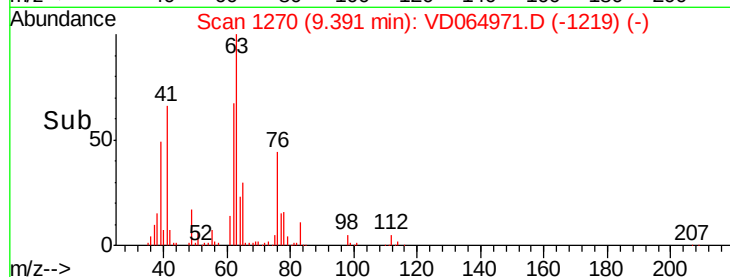
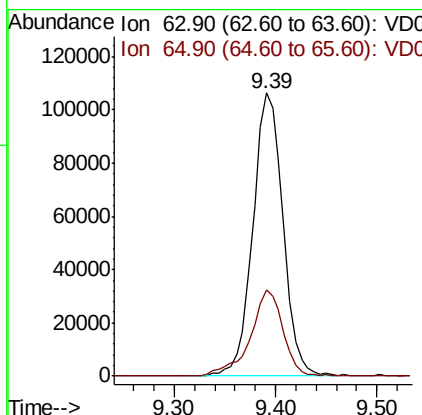
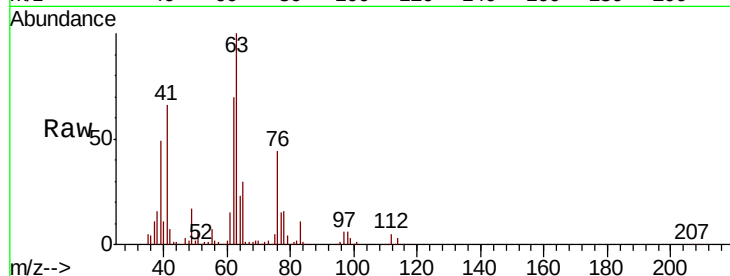




#45
 1,2-Dichloropropane
 Concen: 51.638 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064971.D
 Acq: 27 Jan 2020 18:48

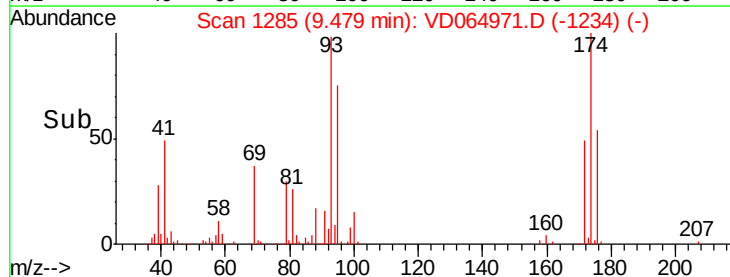
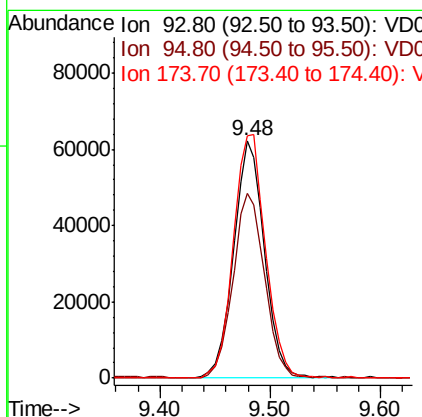
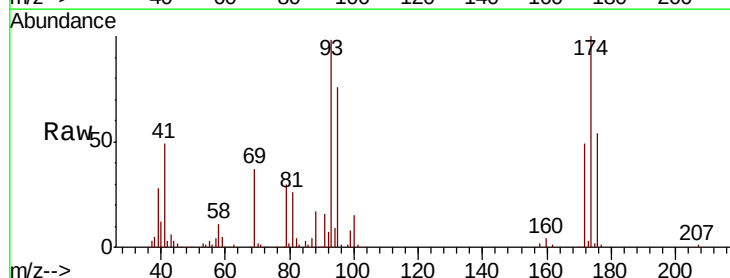
Instrument :
 MSVOA_D
 ClientSampleId :

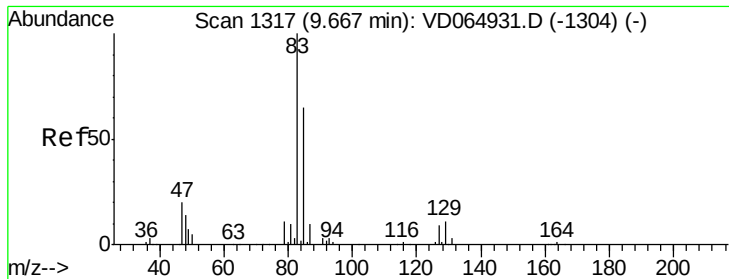
Tot Ion: 63 Resp: 220829
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.3 36.5



#46
 Dibromomethane
 Concen: 52.242 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064971.D
 Acq: 27 Jan 2020 18:48

Tgt Ion: 93 Resp: 121975
 Ion Ratio Lower Upper
 93 100
 95 80.0 67.5 101.3
 174 107.1 88.4 132.6





#47

Bromodichloromethane

Concen: 51.611 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Instrument :

MSVOA_D

ClientSampleId :

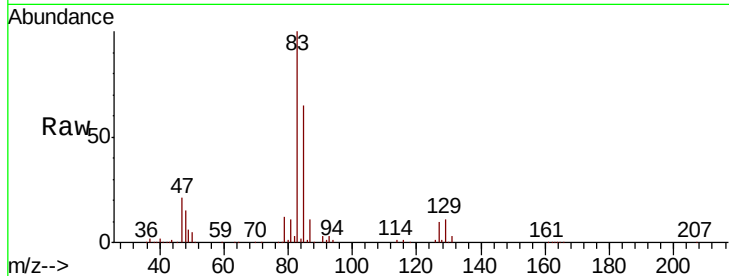
Tot Ion: 83 Resp: 313559

Ion Ratio Lower Upper

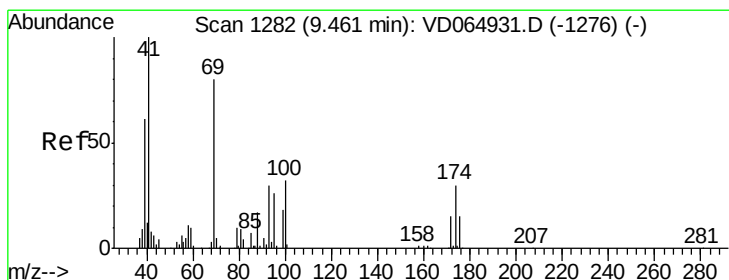
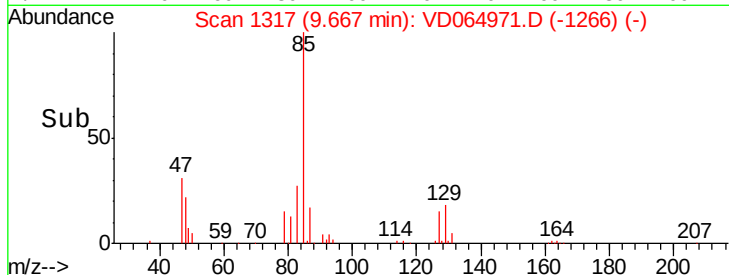
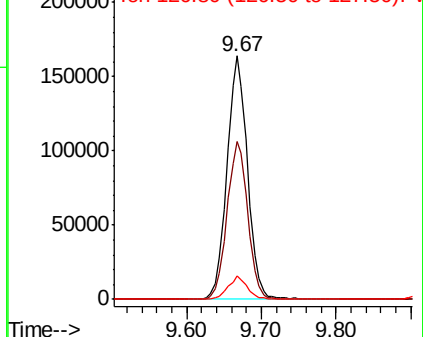
83 100

85 64.8 52.0 78.0

127 9.5 7.3 10.9



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: 55.377 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

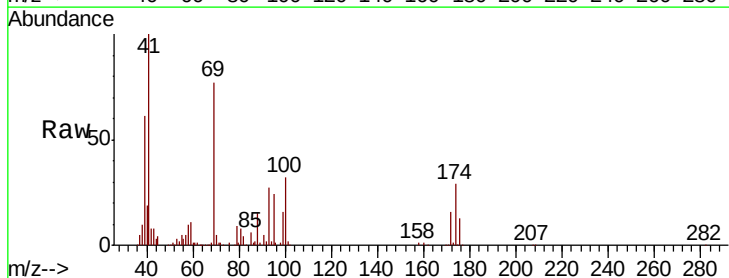
Tgt Ion: 41 Resp: 128070

Ion Ratio Lower Upper

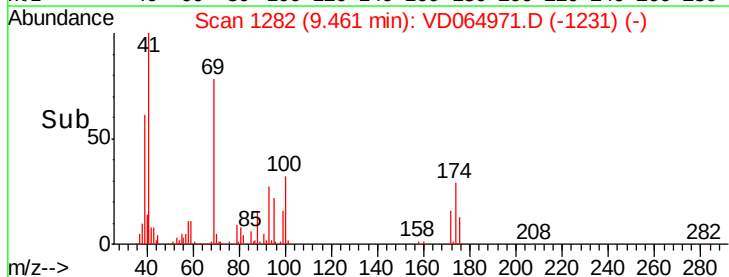
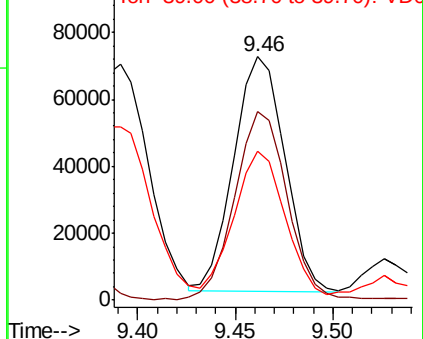
41 100

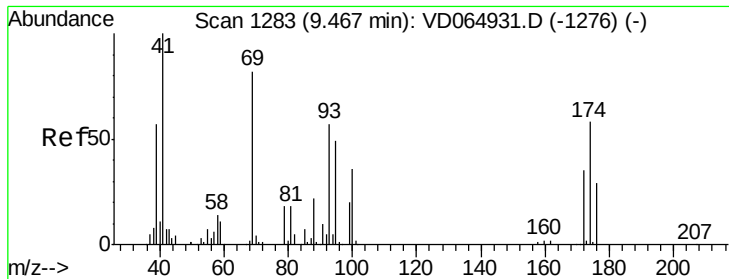
69 81.5 65.8 98.8

39 58.9 49.4 74.0



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

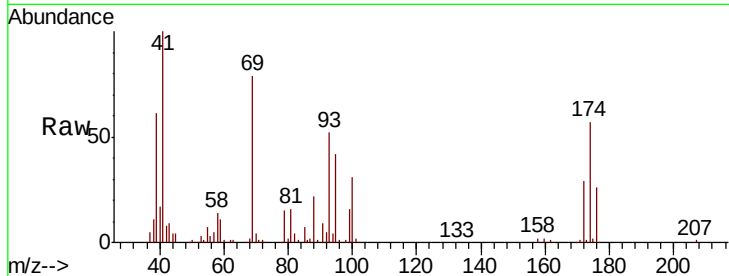




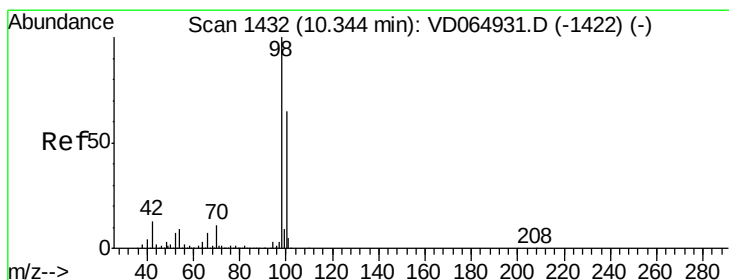
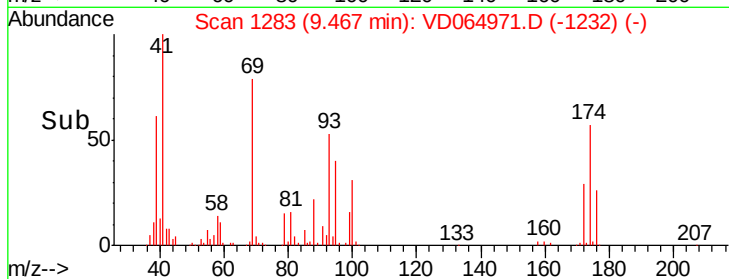
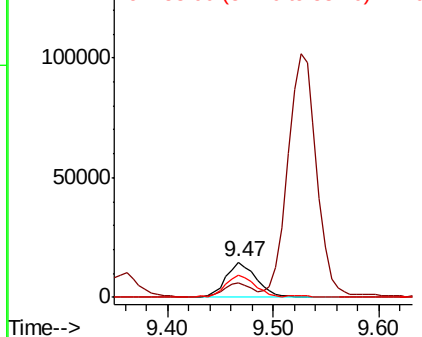
#49
 1,4-Dioxane
 Concen: 1084.770 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VD064971.D
 Acq: 27 Jan 2020 18:48

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 88 Resp: 29374
 Ion Ratio Lower Upper
 88 100
 43 37.4 26.2 39.4
 58 62.1 50.3 75.5

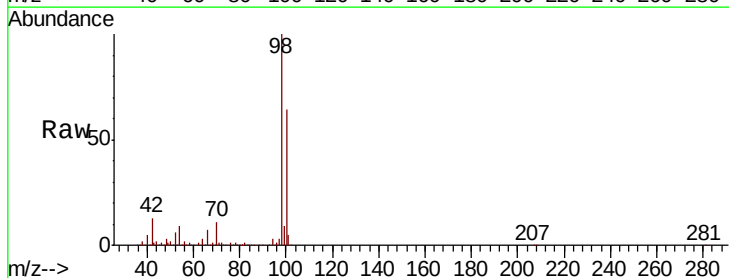


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

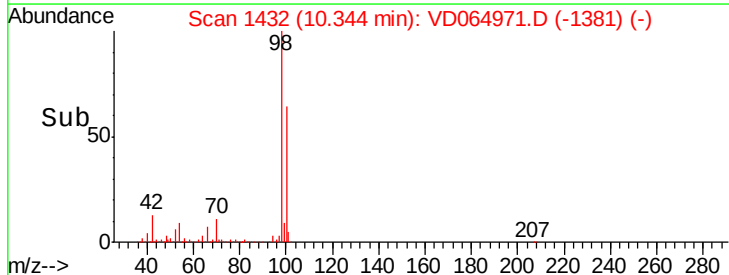
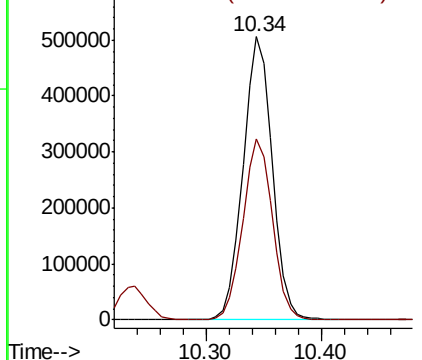


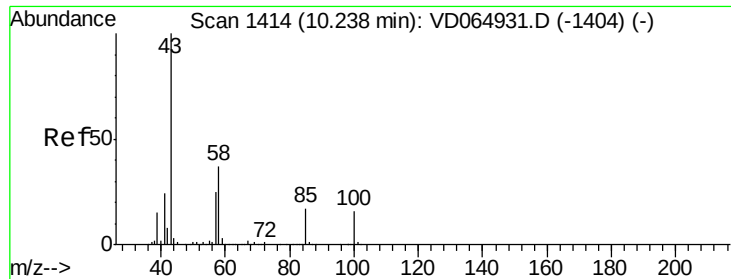
#50
 Toluene-d8
 Concen: 55.268 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD064971.D
 Acq: 27 Jan 2020 18:48

Tgt Ion: 98 Resp: 890407
 Ion Ratio Lower Upper
 98 100
 100 65.2 52.3 78.5



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





#51

4-Methyl-2-Pentanone

Concen: 270.933 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.00 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Instrument :

MSVOA_D

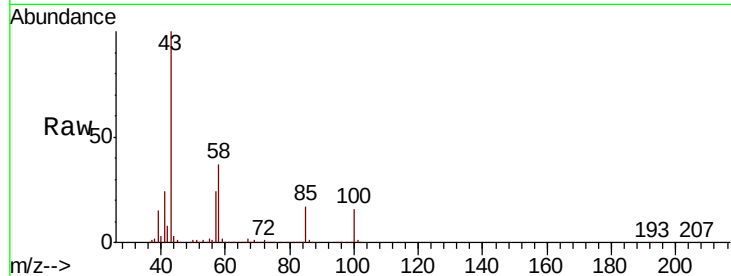
ClientSampleId :

Tot Ion: 43 Resp: 681294

Ion Ratio Lower Upper

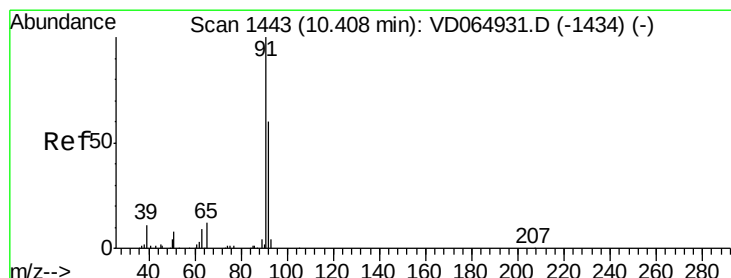
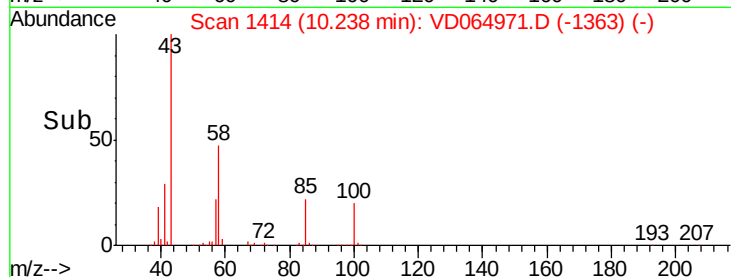
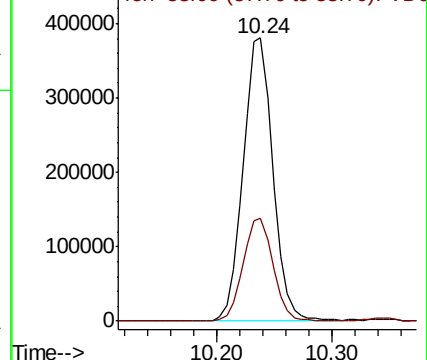
43 100

58 36.7 30.4 45.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 50.687 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD064971.D

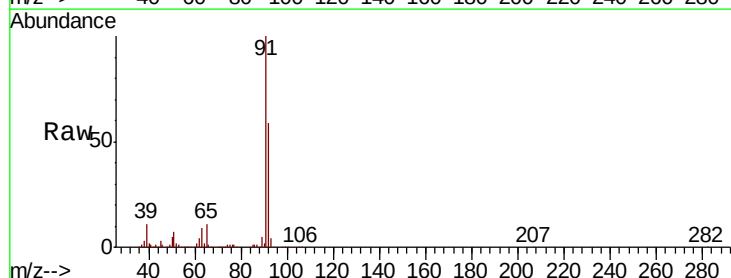
Acq: 27 Jan 2020 18:48

Tgt Ion: 92 Resp: 576488

Ion Ratio Lower Upper

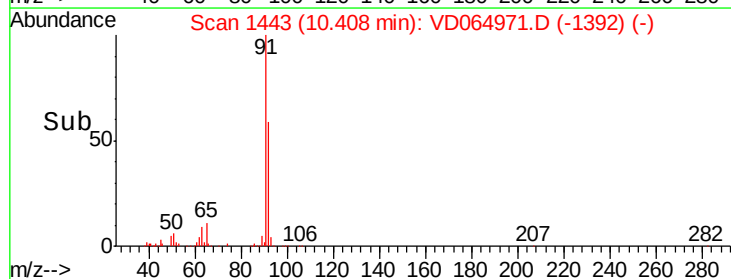
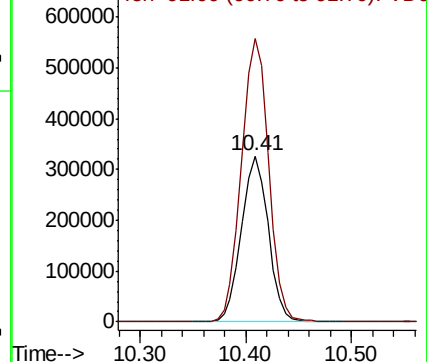
92 100

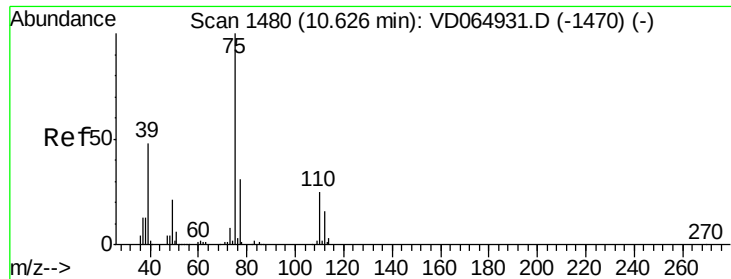
91 173.3 136.8 205.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 52.594 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Instrument :

MSVOA_D

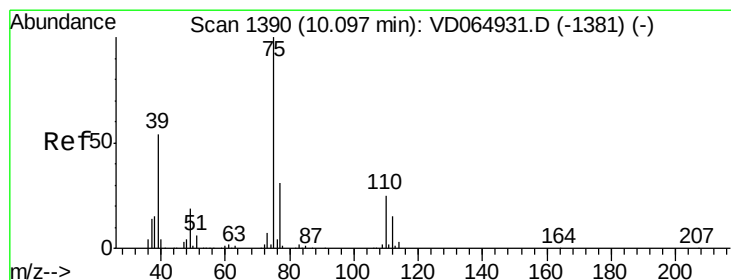
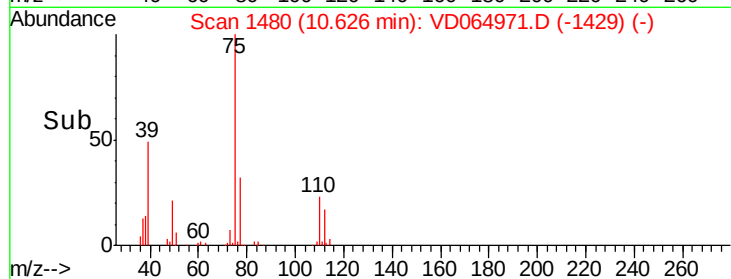
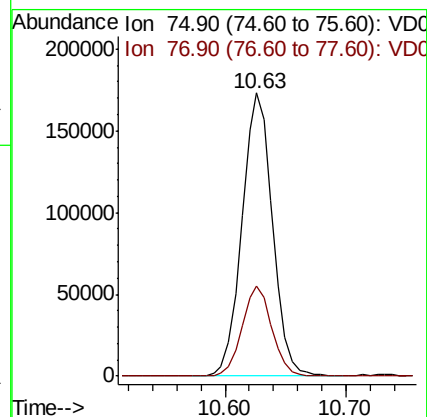
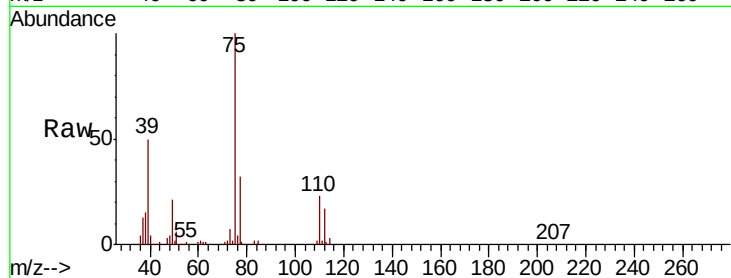
ClientSampled :

Tot Ion: 75 Resp: 304370

Ion Ratio Lower Upper

75 100

77 32.0 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 52.674 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

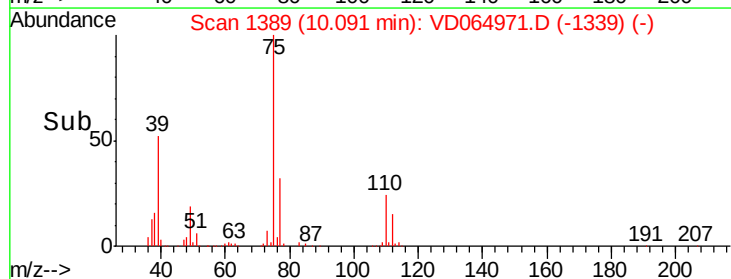
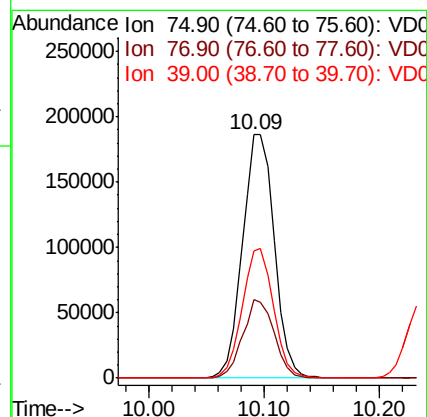
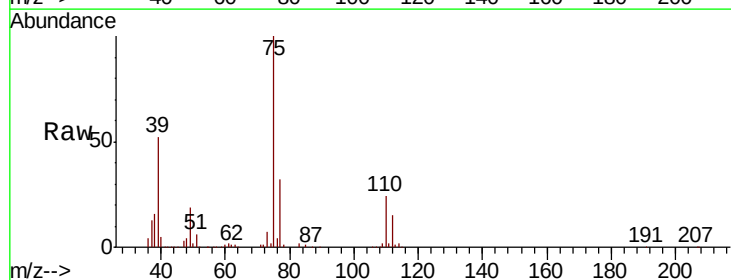
Tgt Ion: 75 Resp: 356898

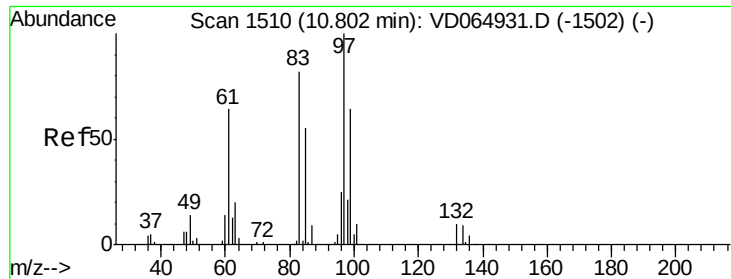
Ion Ratio Lower Upper

75 100

77 32.0 25.1 37.7

39 52.1 43.0 64.6

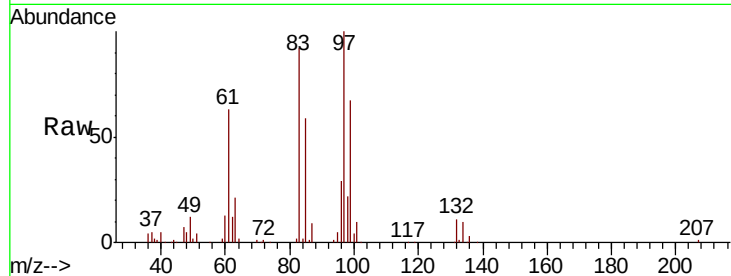




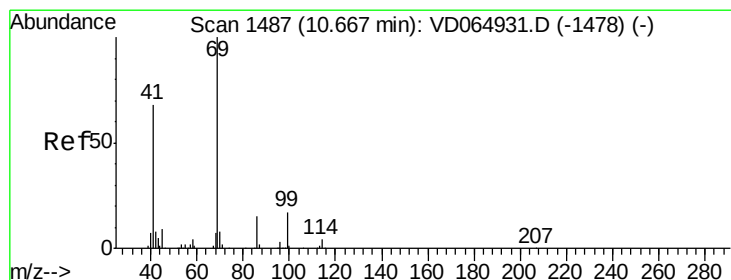
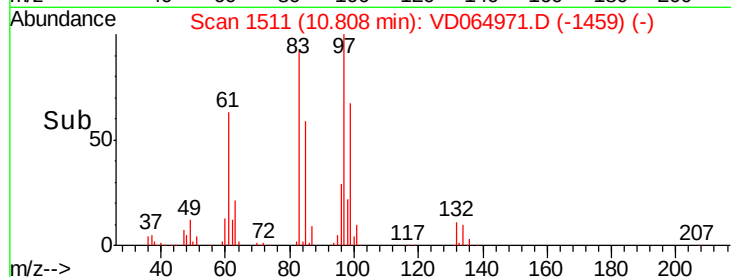
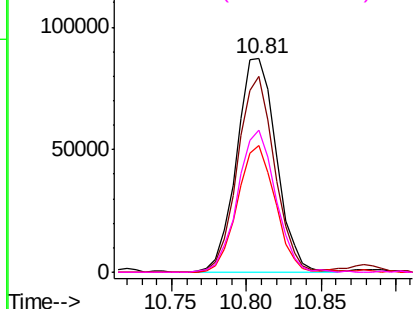
#55
 1,1,2-Trichloroethane
 Concen: 51.229 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064971.D
 Acq: 27 Jan 2020 18:48

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:	97	Resp:	161113
Ion	Ratio	Lower	Upper
97	100		
83	91.7	66.0	99.0
85	59.5	44.4	66.6
99	66.7	51.4	77.0

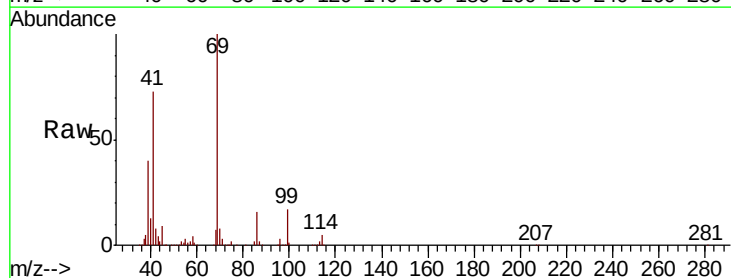


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

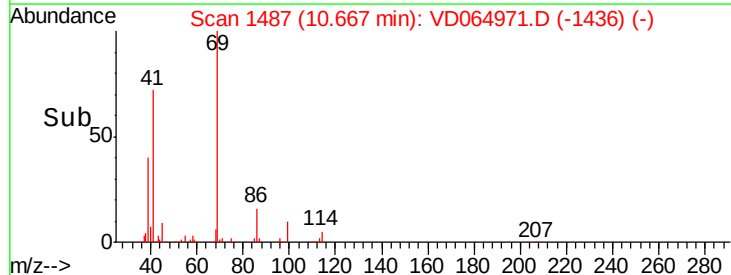
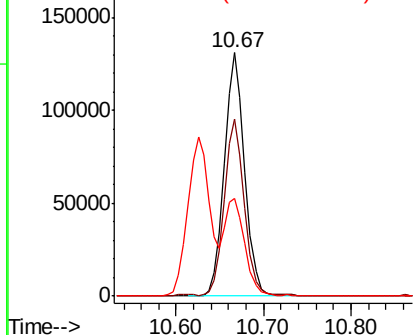


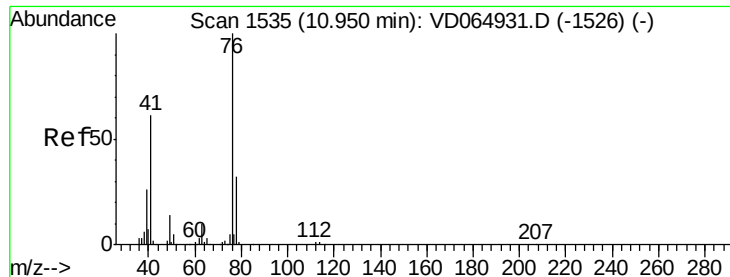
#56
 Ethyl methacrylate
 Concen: 55.662 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD064971.D
 Acq: 27 Jan 2020 18:48

Tgt Ion:	69	Resp:	209337
Ion	Ratio	Lower	Upper
69	100		
41	71.5	56.4	84.6
39	38.8	30.6	46.0



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

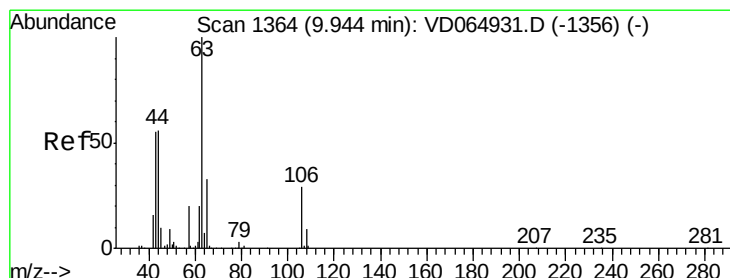
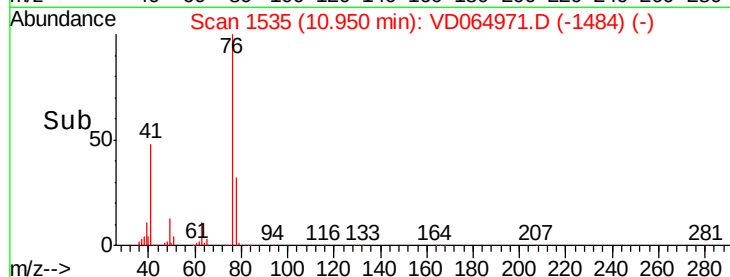
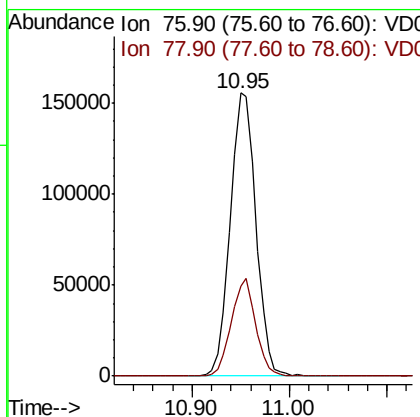
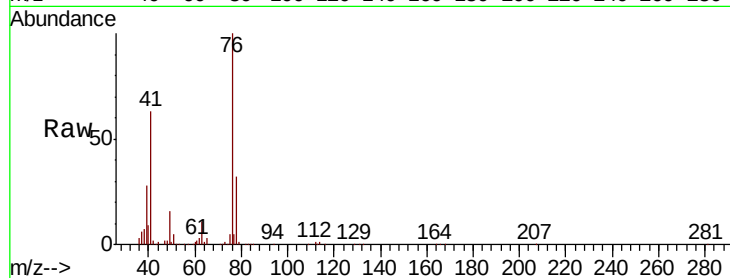




#57
 1,3-Dichloropropane
 Concen: 52.795 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064971.D
 Acq: 27 Jan 2020 18:48

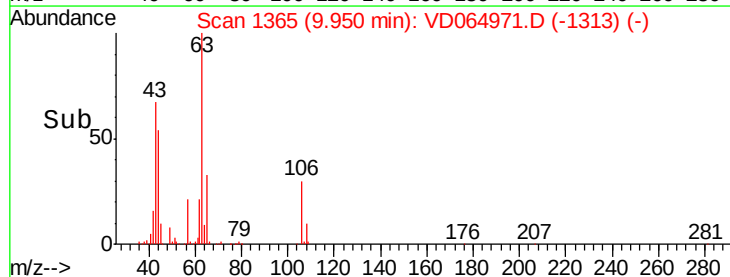
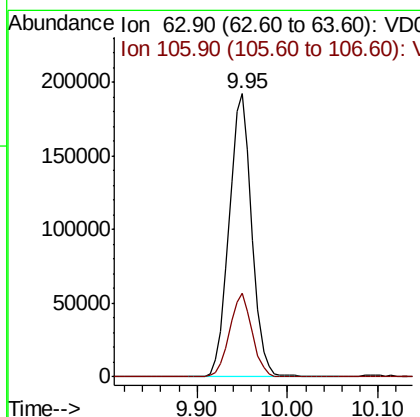
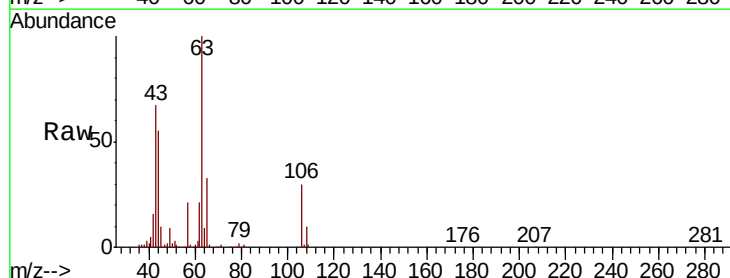
Instrument :
 MSVOA_D
 ClientSampleId :

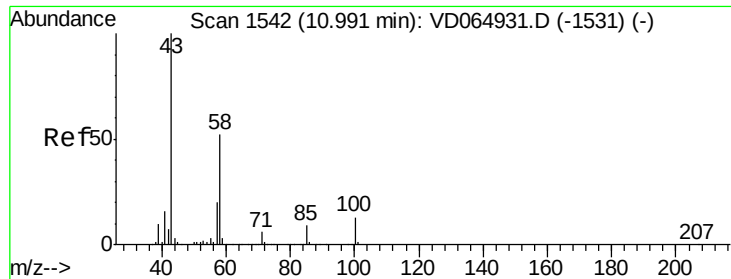
Tot Ion: 76 Resp: 284783
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 268.372 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD064971.D
 Acq: 27 Jan 2020 18:48

Tgt Ion: 63 Resp: 335314
 Ion Ratio Lower Upper
 63 100
 106 29.3 23.0 34.4

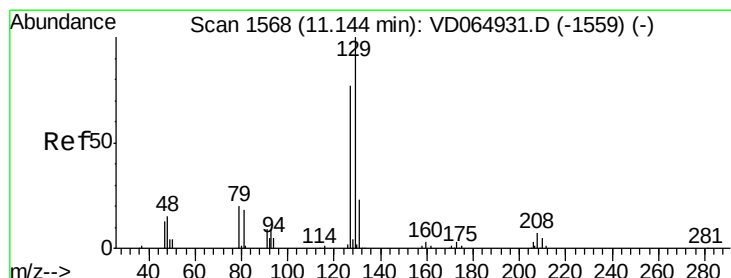
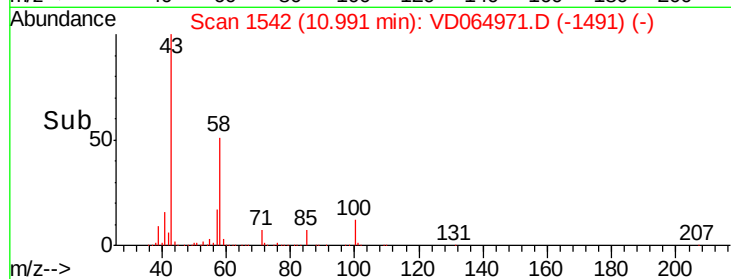
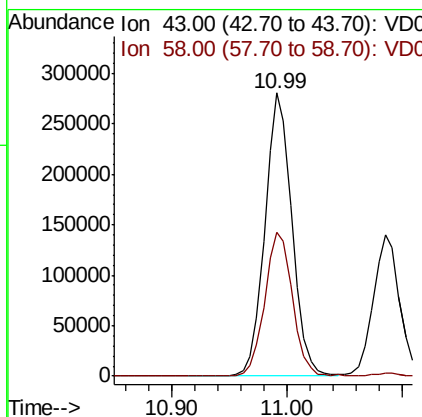
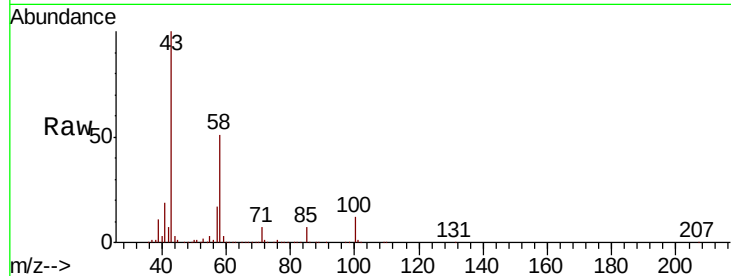




#59
2-Hexanone
Concen: 264.181 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

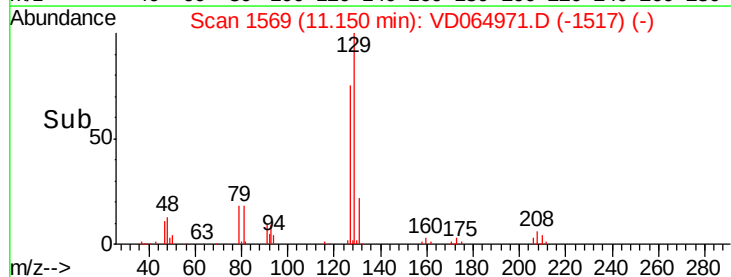
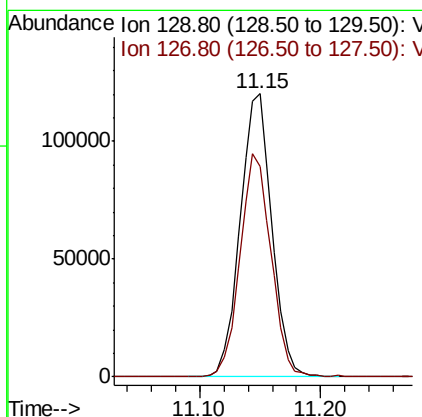
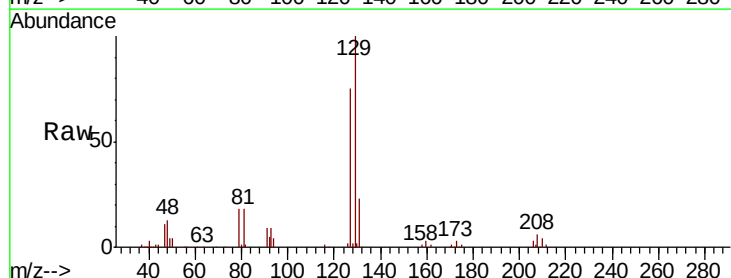
Instrument :
MSVOA_D
ClientSampleId :

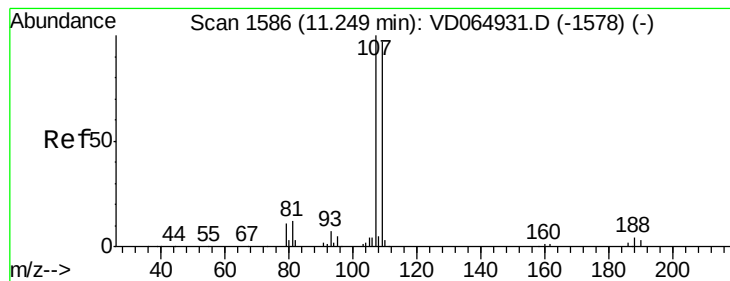
Tot Ion: 43 Resp: 458226
Ion Ratio Lower Upper
43 100
58 52.2 26.5 79.4



#60
Dibromochloromethane
Concen: 52.307 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Tgt Ion: 129 Resp: 219871
Ion Ratio Lower Upper
129 100
127 77.2 38.2 114.6





#61

1,2-Dibromoethane

Concen: 52.488 ug/l

RT: 11.26 min Scan# 1587

Delta R.T. 0.01 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Instrument :

MSVOA_D

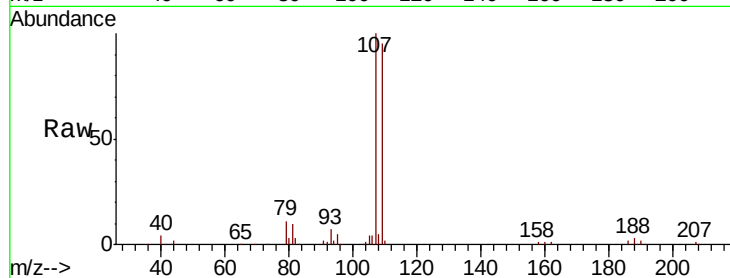
ClientSampleId :

Tot Ion:107 Resp: 158947

Ion Ratio Lower Upper

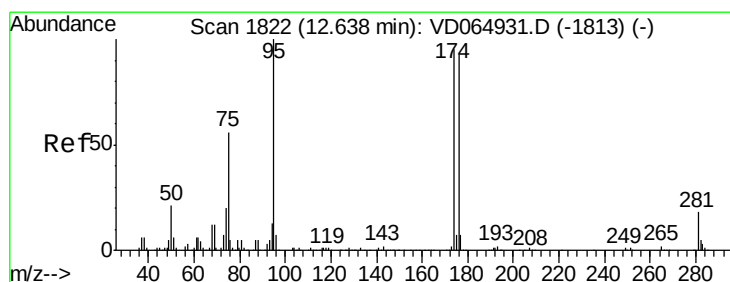
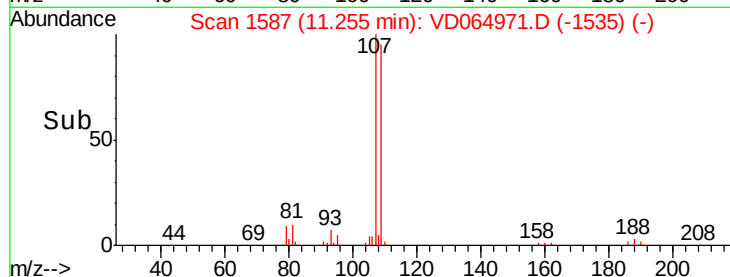
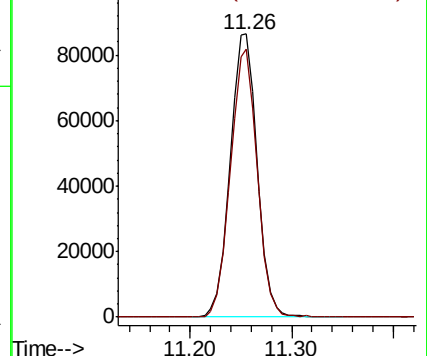
107 100

109 94.0 77.1 115.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 56.598 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

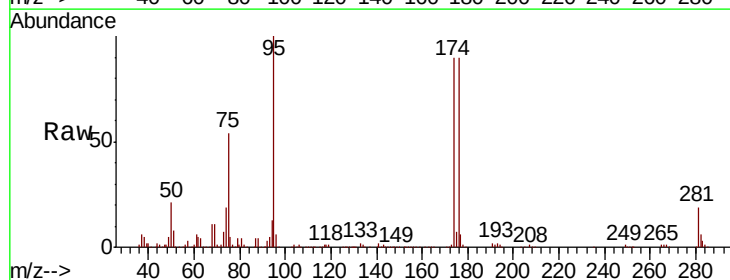
Tgt Ion: 95 Resp: 279041

Ion Ratio Lower Upper

95 100

174 92.3 0.0 186.8

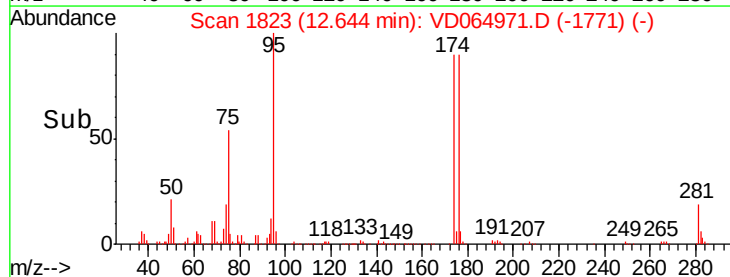
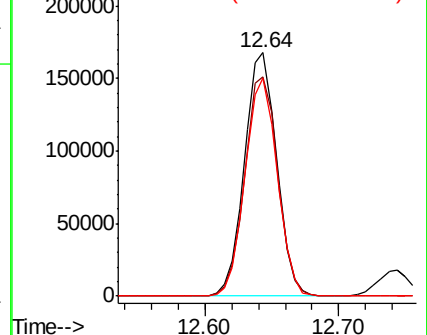
176 89.3 0.0 183.4

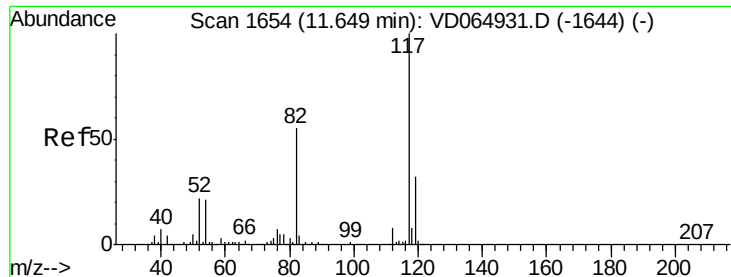


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

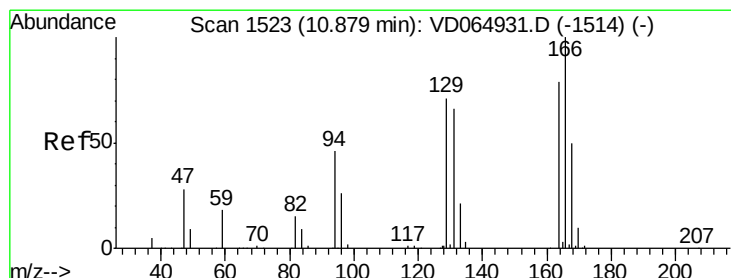
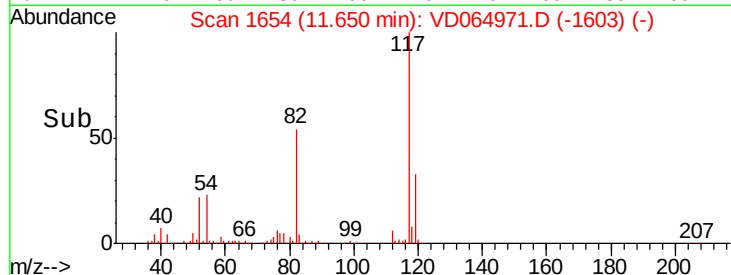
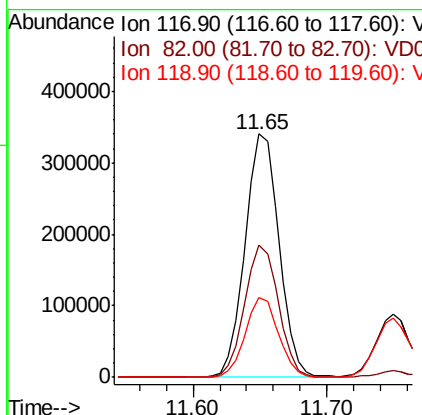
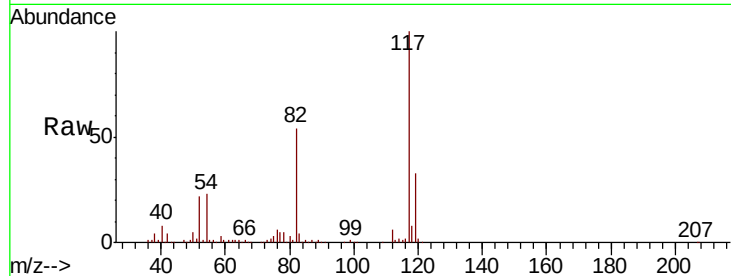




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

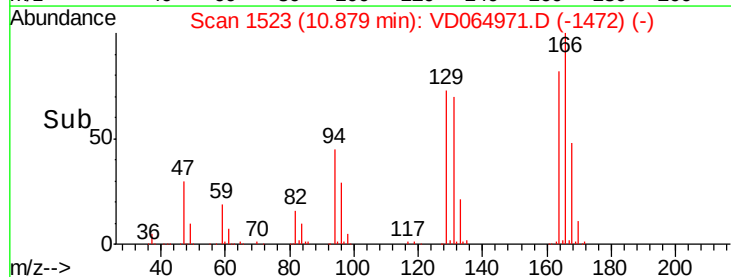
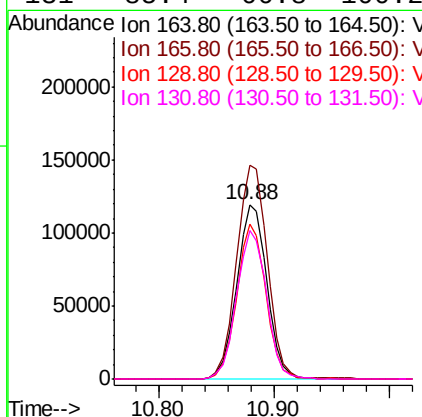
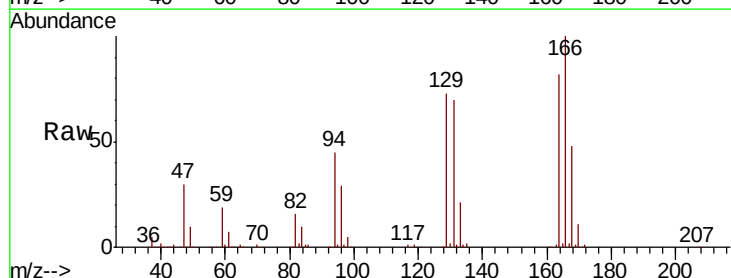
Instrument :
MSVOA_D
ClientSampled :

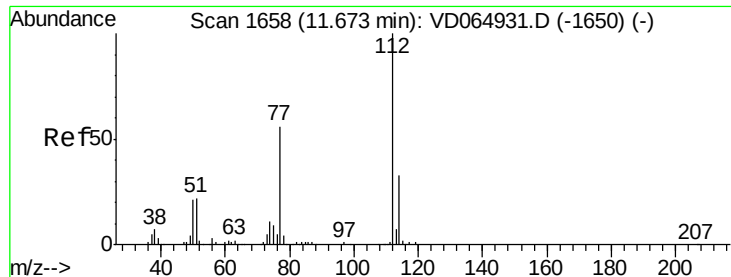
Tot Ion:117 Resp: 598059
Ion Ratio Lower Upper
117 100
82 54.3 43.6 65.4
119 32.7 25.2 37.8



#64
Tetrachloroethene
Concen: 49.696 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Tgt Ion:164 Resp: 214774
Ion Ratio Lower Upper
164 100
166 122.7 101.4 152.2
129 89.2 71.8 107.8
131 85.4 66.8 100.2

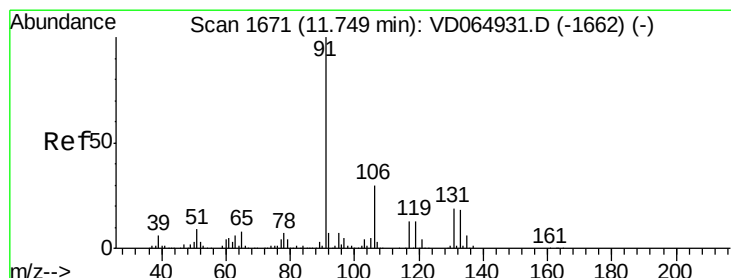
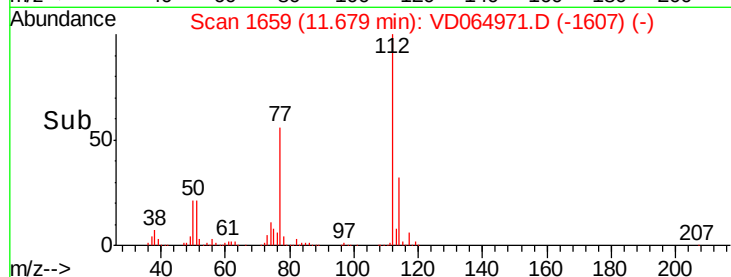
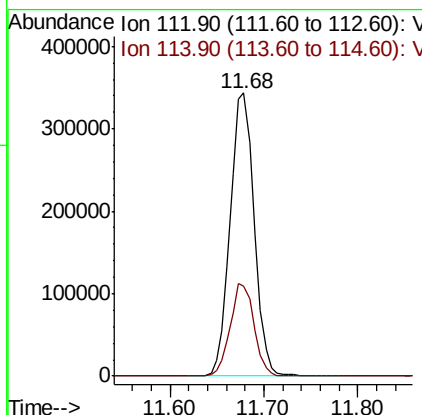
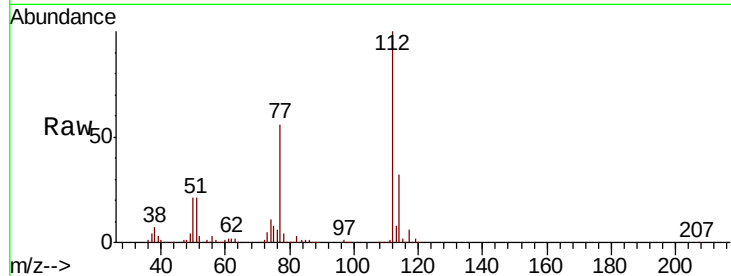




#65
Chlorobenzene
Concen: 50.074 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

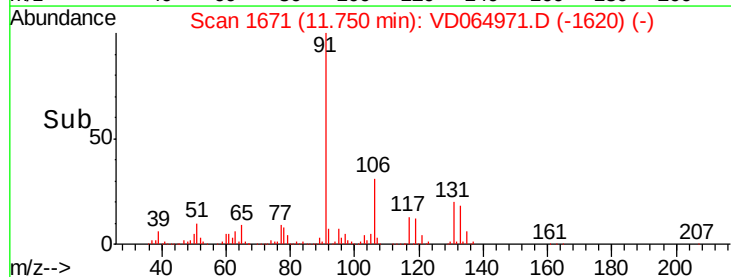
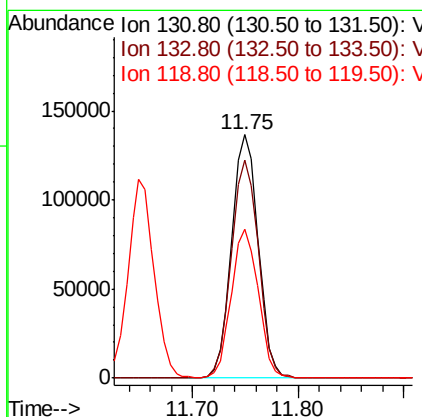
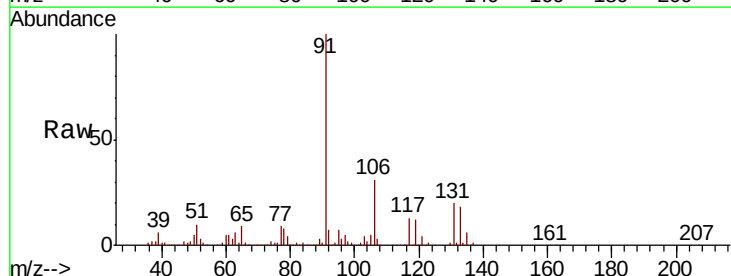
Instrument :
MSVOA_D
ClientSampleId :

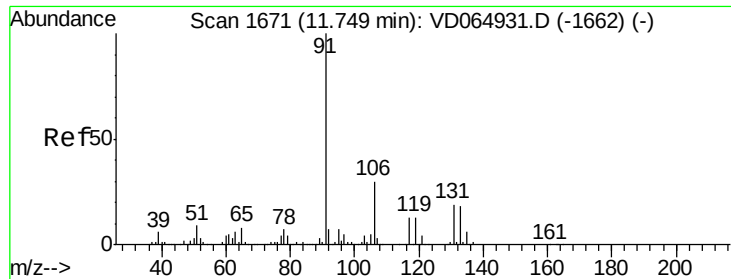
Tot Ion:112 Resp: 608036
Ion Ratio Lower Upper
112 100
114 31.9 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 51.939 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Tgt Ion:131 Resp: 237192
Ion Ratio Lower Upper
131 100
133 91.5 47.5 142.5
119 62.3 31.1 93.5

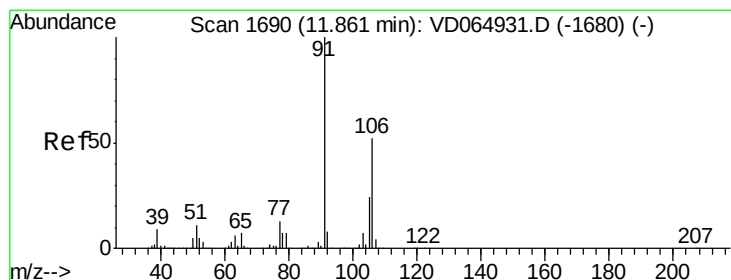
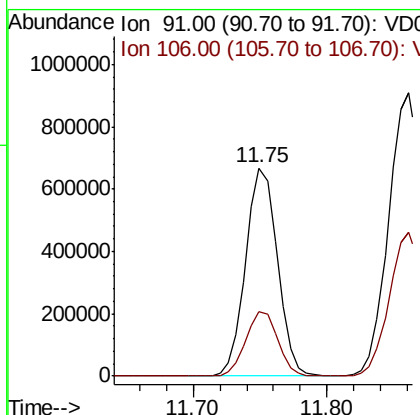
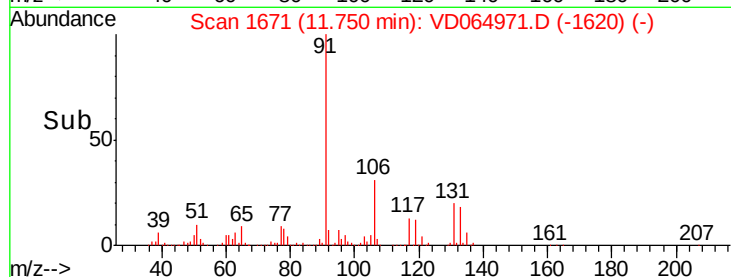
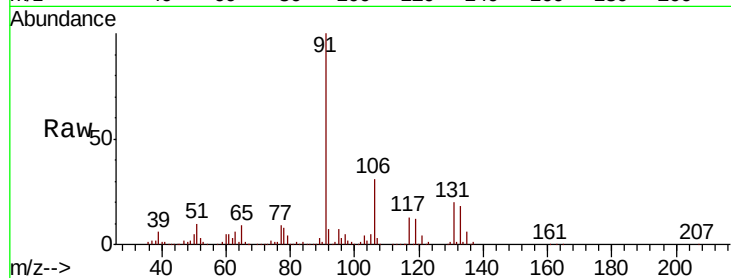




#67
Ethyl Benzene
Concen: 50.975 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

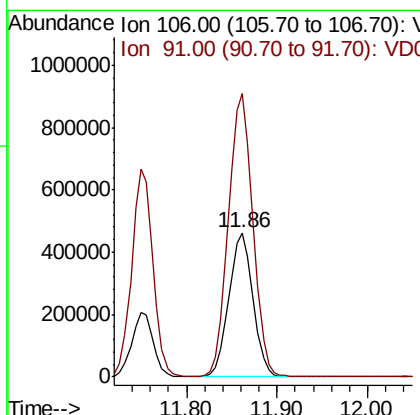
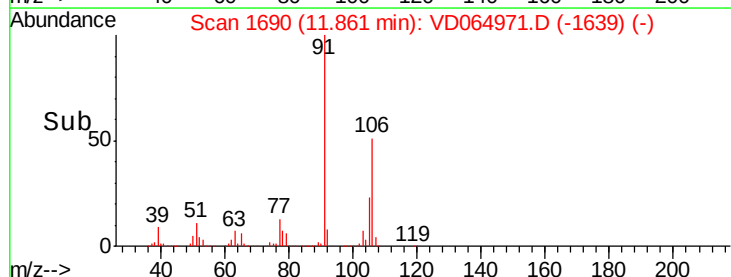
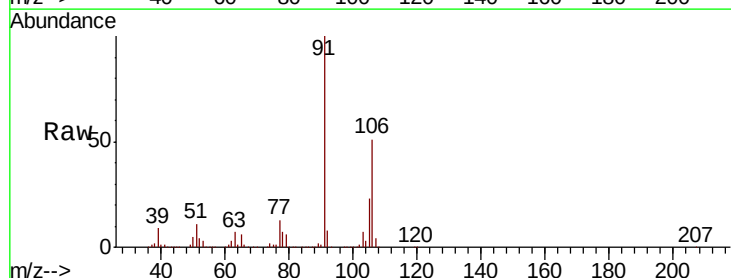
Instrument :
MSVOA_D
ClientSampleId :

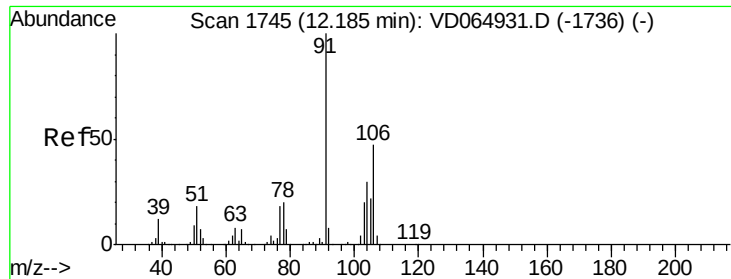
Tot Ion: 91 Resp: 1098900
Ion Ratio Lower Upper
91 100
106 31.2 24.3 36.5



#68
m/p-Xylenes
Concen: 102.821 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Tgt Ion: 106 Resp: 853429
Ion Ratio Lower Upper
106 100
91 200.0 159.0 238.4

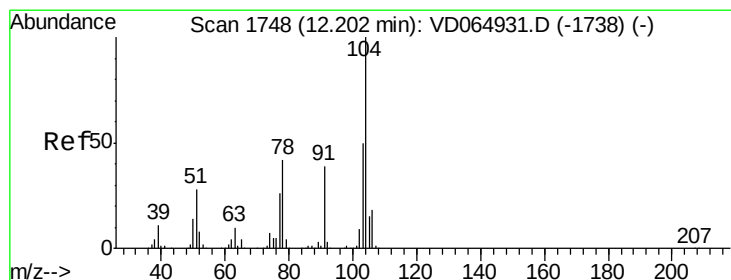
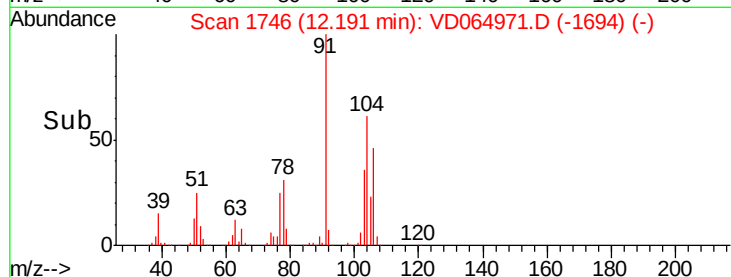
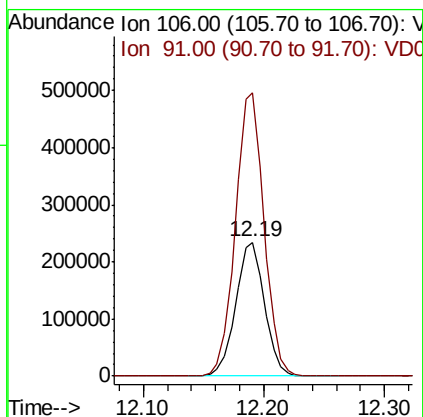
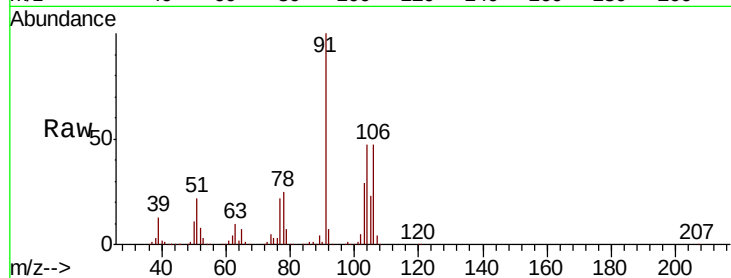




#69
o-Xylene
Concen: 52.760 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

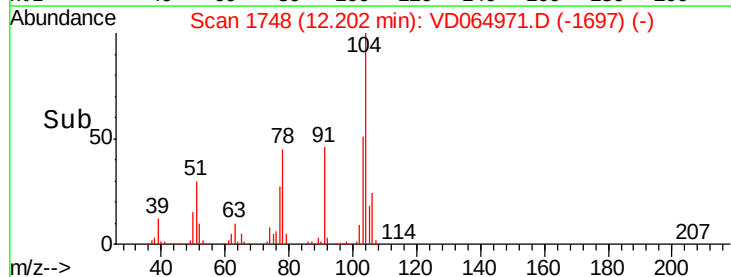
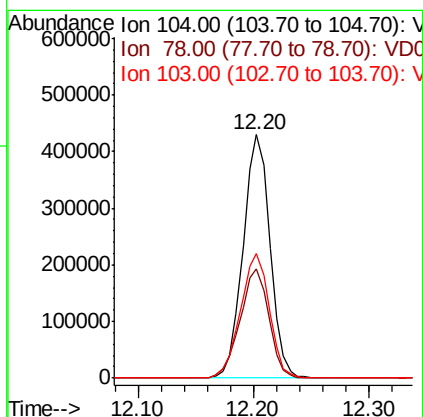
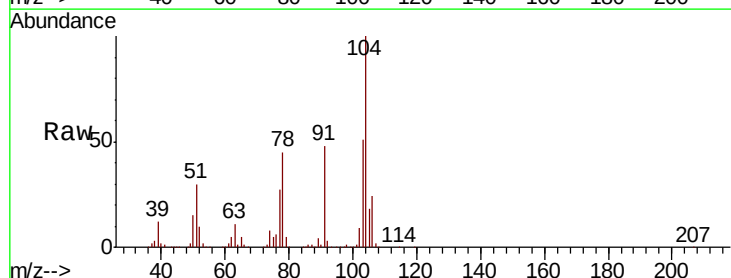
Instrument :
MSVOA_D
ClientSampled :

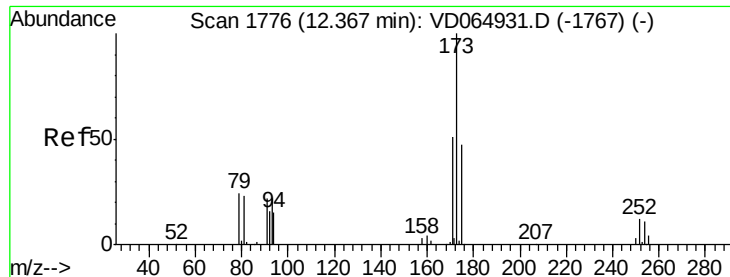
Tot Ion:106 Resp: 388655
Ion Ratio Lower Upper
106 100
91 210.9 106.7 319.9



#70
Styrene
Concen: 53.080 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Tgt Ion:104 Resp: 696543
Ion Ratio Lower Upper
104 100
78 48.1 38.3 57.5
103 55.1 43.5 65.3

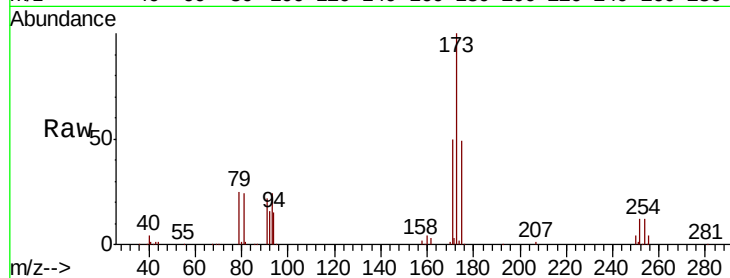




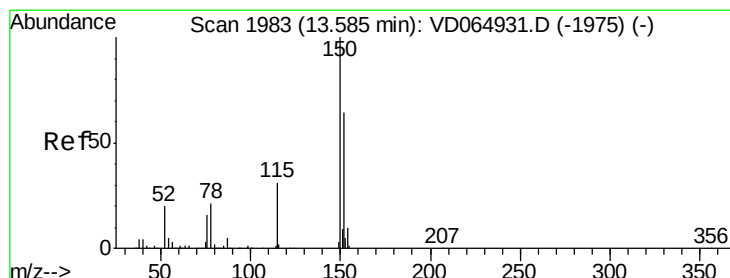
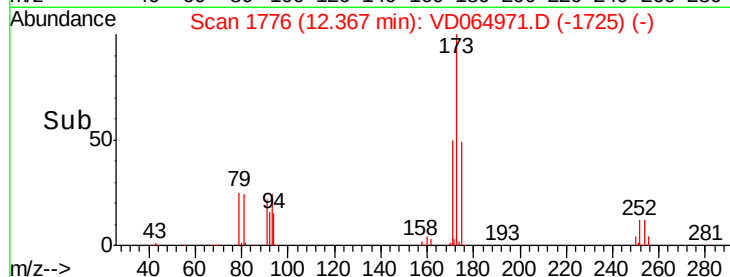
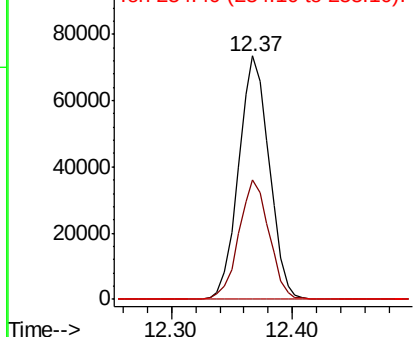
#71
Bromoform
Concen: 51.206 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 129990
Ion Ratio Lower Upper
173 100
175 48.3 24.6 73.8
254 0.1 0.1 0.1

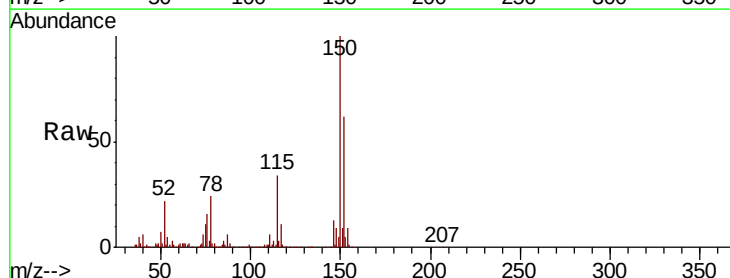


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

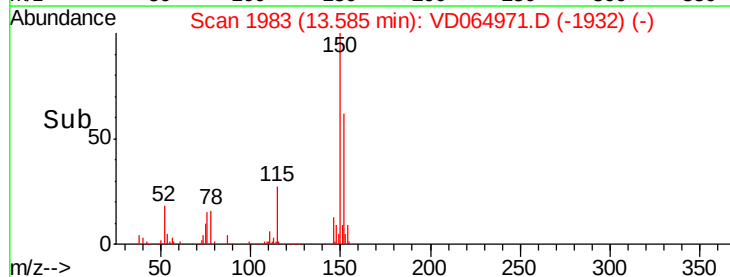
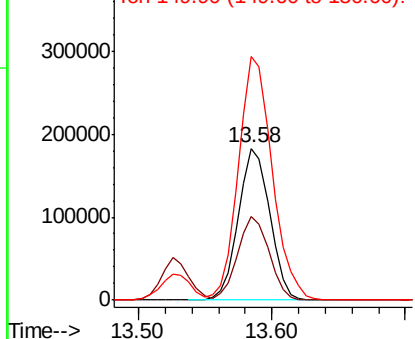


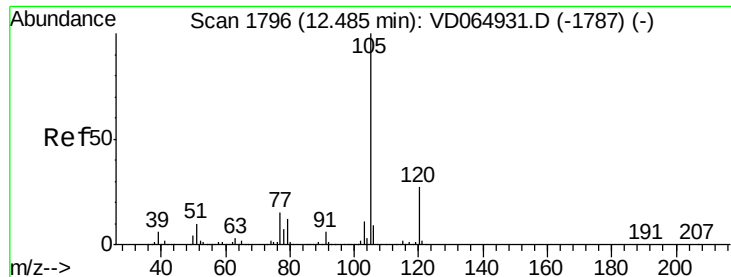
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Tgt Ion:152 Resp: 298403
Ion Ratio Lower Upper
152 100
115 54.9 28.1 84.4
150 172.4 0.0 350.4



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: 50.553 ug/l

RT: 12.49 min Scan# 1797

Delta R.T. 0.01 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Instrument :

MSVOA_D

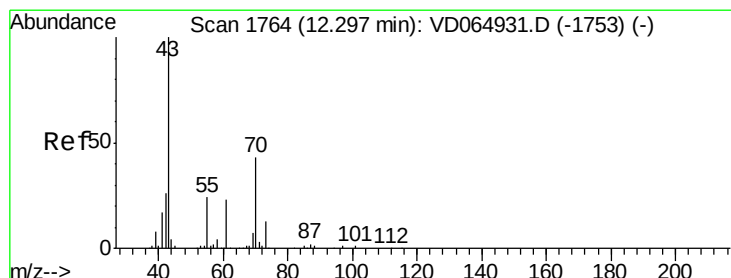
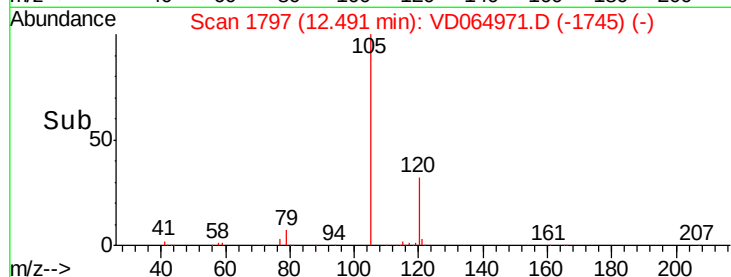
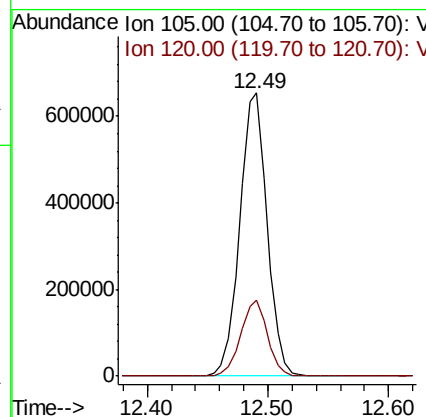
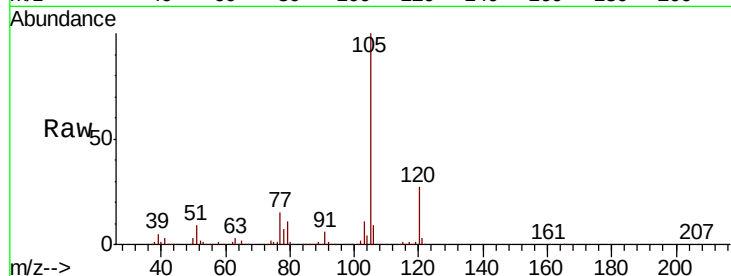
ClientSampleId :

Tot Ion:105 Resp: 1031055

Ion Ratio Lower Upper

105 100

120 26.3 13.3 39.8



#74

N-ethyl acetate

Concen: 53.279 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Tgt Ion: 43 Resp: 243158

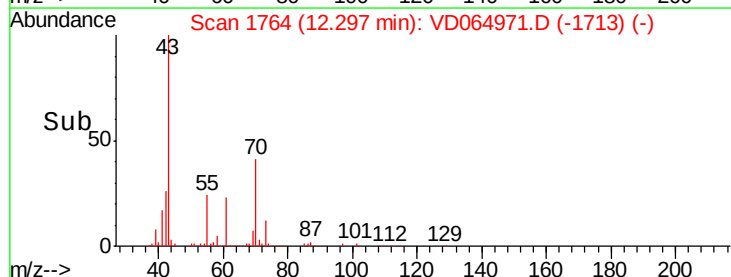
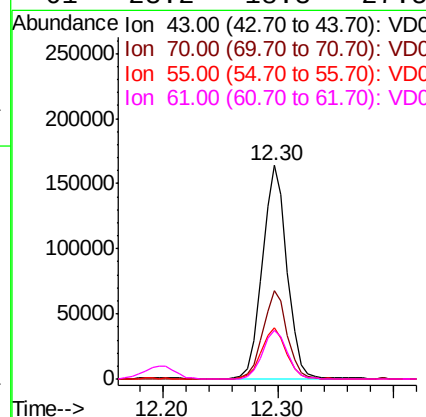
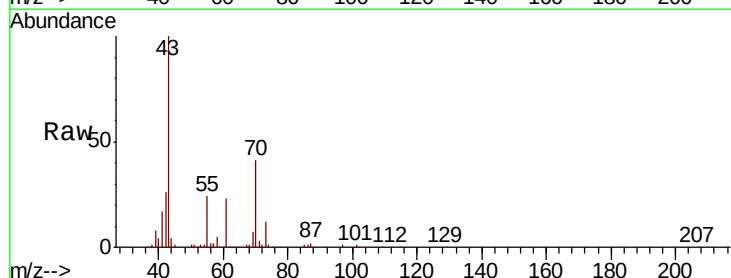
Ion Ratio Lower Upper

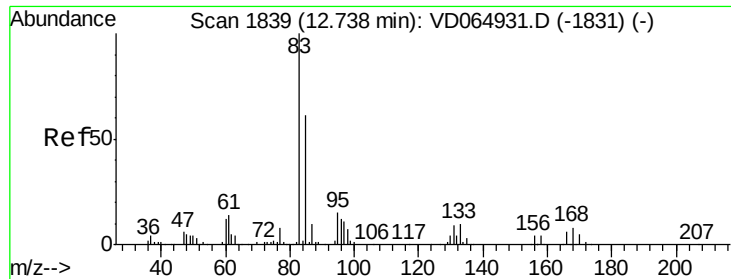
43 100

70 41.0 32.6 49.0

55 24.7 19.9 29.9

61 23.2 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 50.639 ug/l

RT: 12.74 min Scan# 1840

Delta R.T. 0.01 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Instrument :

MSVOA_D

ClientSampleId :

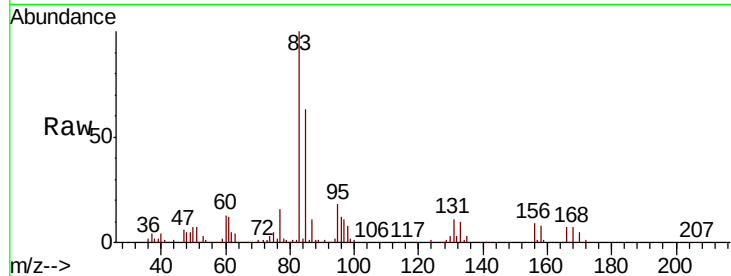
Tot Ion: 83 Resp: 173584

Ion Ratio Lower Upper

83 100

131 11.1 5.5 16.4

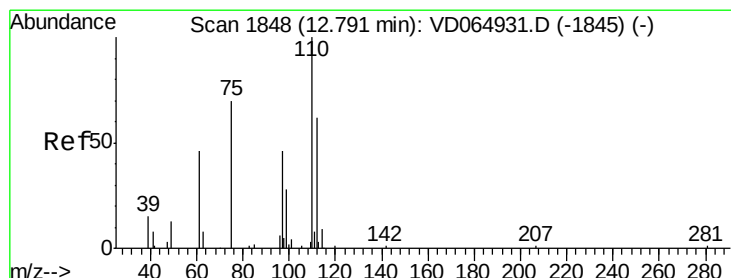
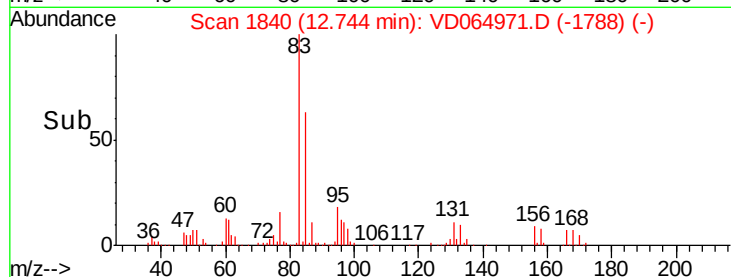
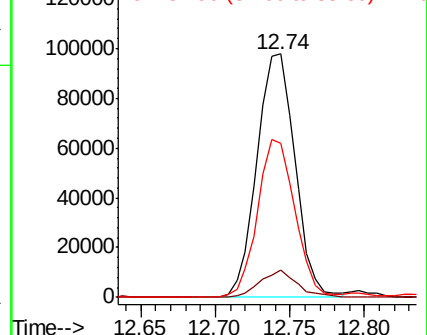
85 63.6 31.6 94.7



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: 95.553 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064971.D

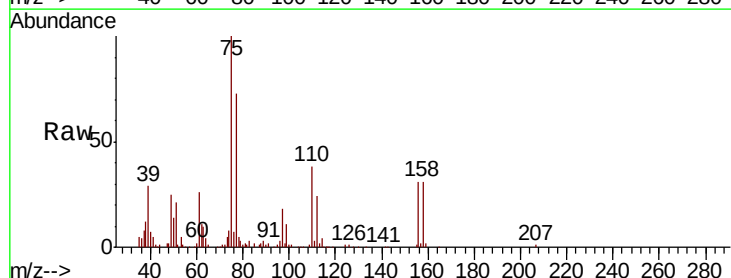
Acq: 27 Jan 2020 18:48

Tgt Ion: 75 Resp: 236664

Ion Ratio Lower Upper

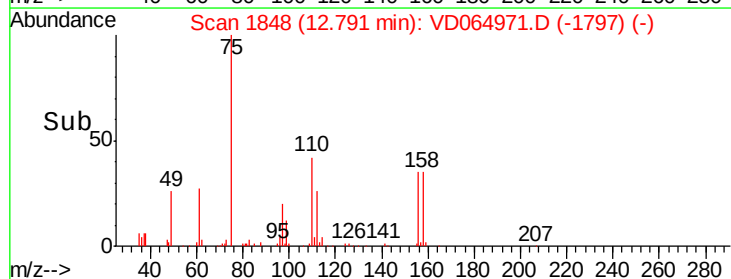
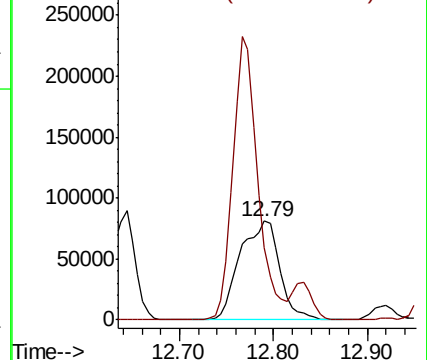
75 100

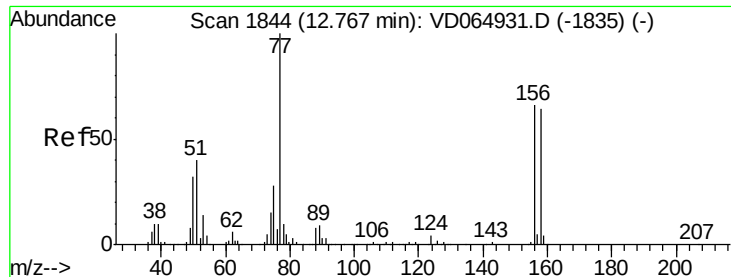
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 50.279 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. 0.01 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Instrument :

MSVOA_D

ClientSampleId :

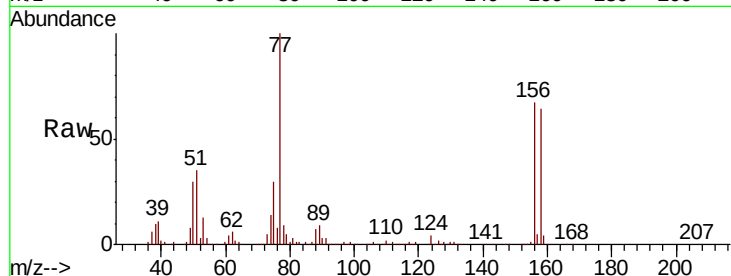
Tot Ion:156 Resp: 250904

Ion Ratio Lower Upper

156 100

77 171.0 84.2 252.5

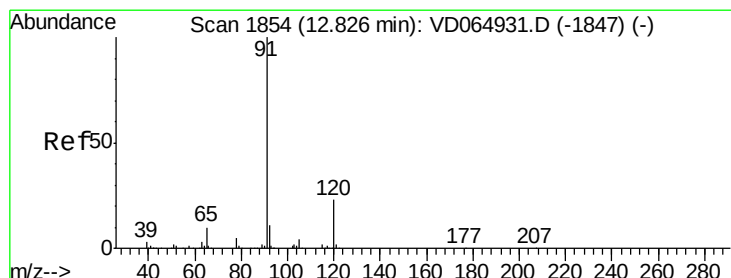
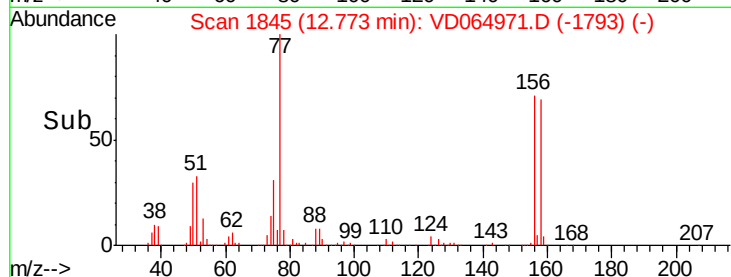
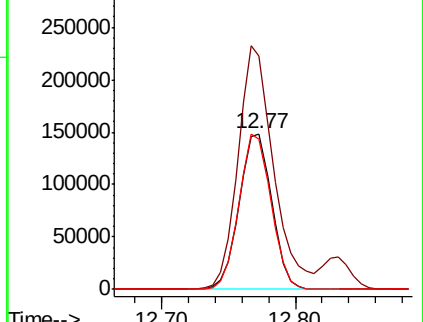
158 98.4 48.1 144.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.834 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD064971.D

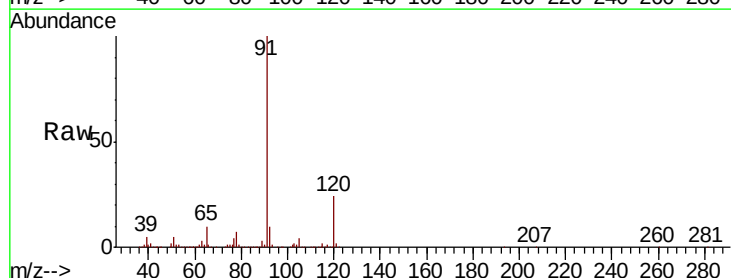
Acq: 27 Jan 2020 18:48

Tgt Ion: 91 Resp: 1208742

Ion Ratio Lower Upper

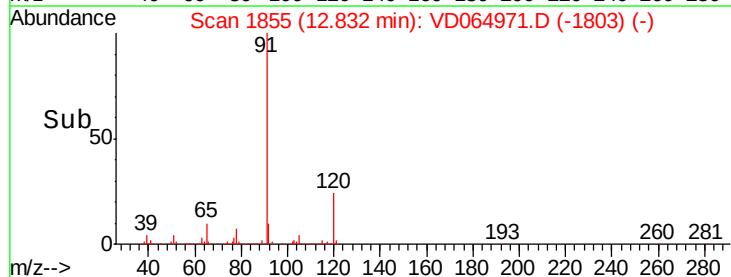
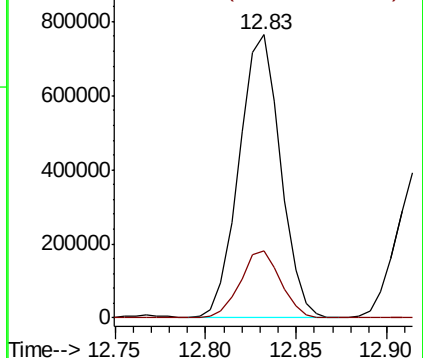
91 100

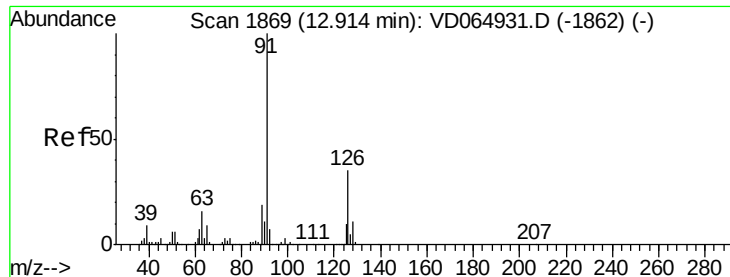
120 23.3 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

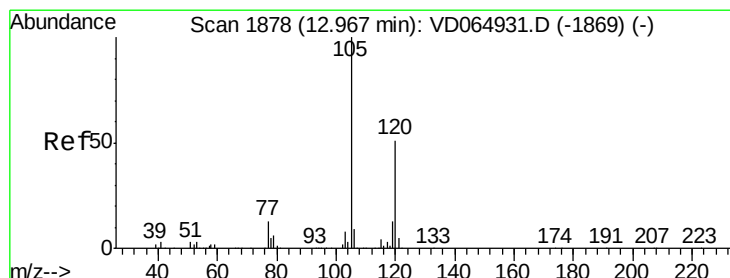
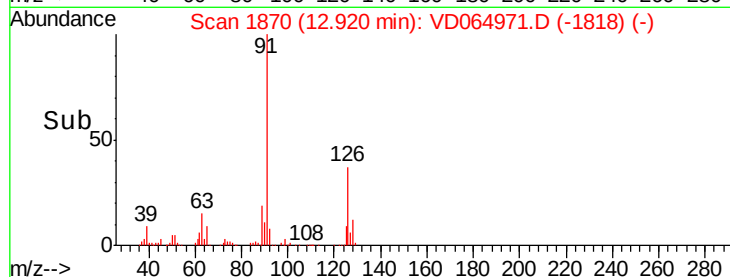
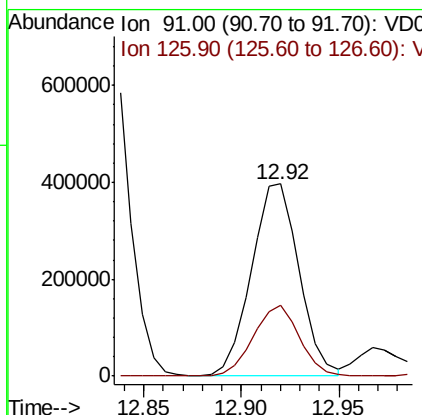
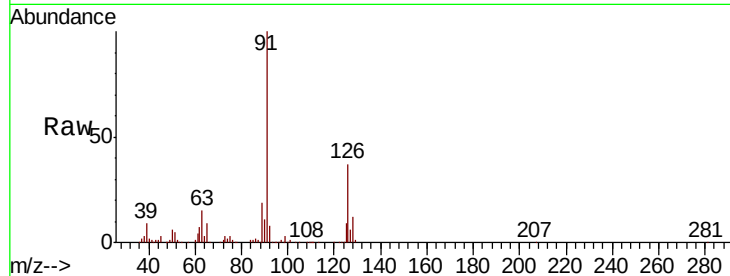




#79
2-Chlorotoluene
Concen: 50.400 ug/l
RT: 12.92 min Scan# 1870
Delta R.T. 0.01 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

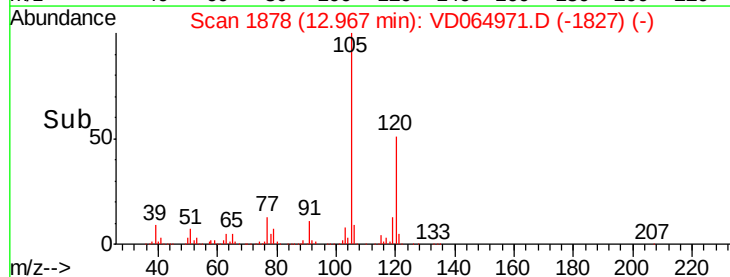
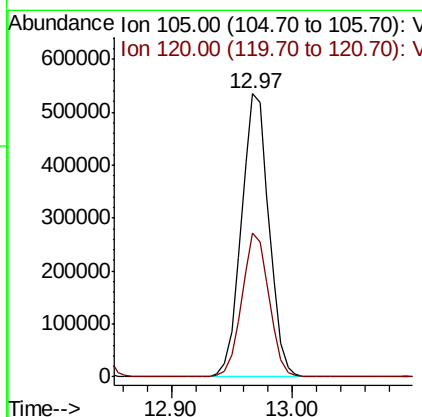
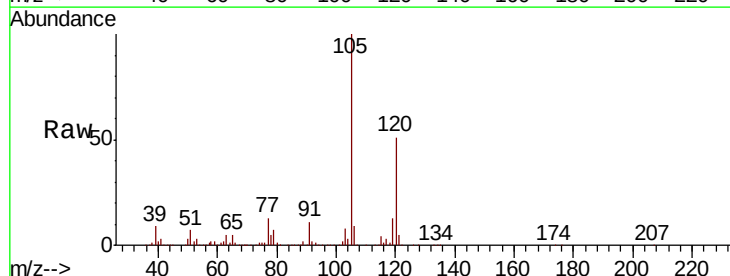
Instrument :
MSVOA_D
ClientSampleId :

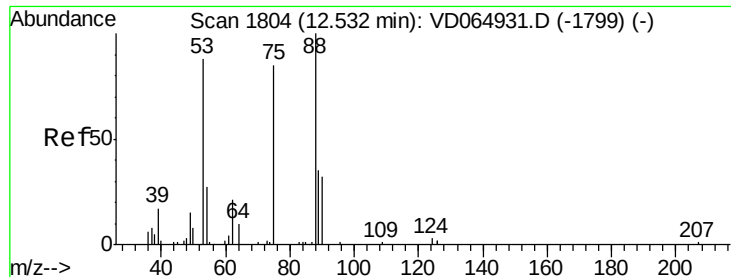
Tot Ion: 91 Resp: 670626
Ion Ratio Lower Upper
91 100
126 35.8 17.9 53.8



#80
1,3,5-Trimethylbenzene
Concen: 50.984 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Tgt Ion: 105 Resp: 852155
Ion Ratio Lower Upper
105 100
120 50.0 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 51.408 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Instrument :

MSVOA_D

ClientSampleId :

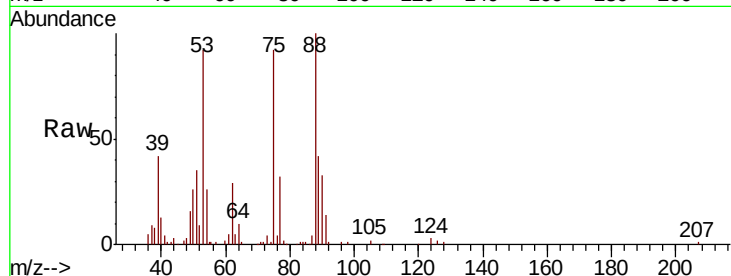
Tot Ion: 75 Resp: 59631

Ion Ratio Lower Upper

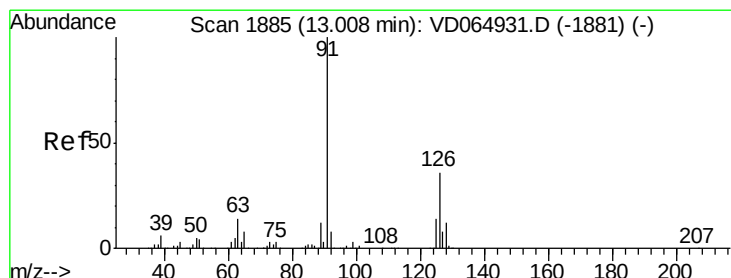
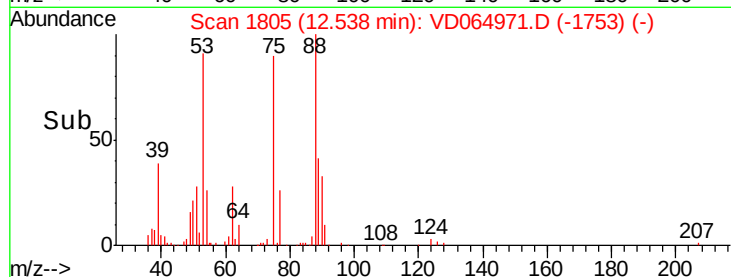
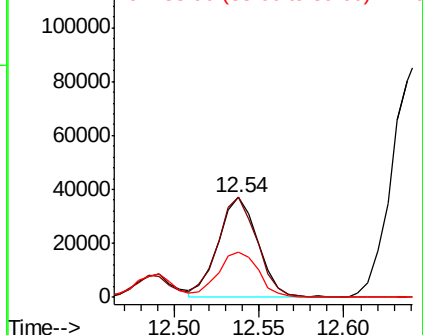
75 100

53 100.4 81.0 121.4

89 47.1 36.2 54.4



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



#82

4-Chlorotoluene

Concen: 50.537 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD064971.D

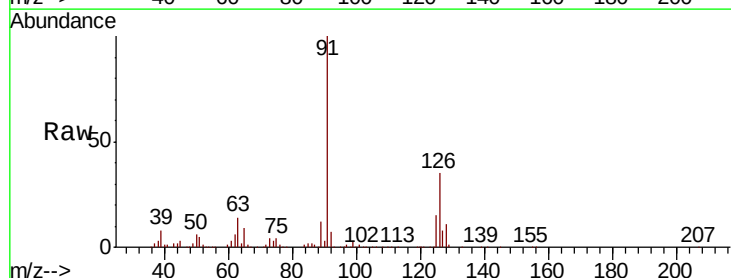
Acq: 27 Jan 2020 18:48

Tgt Ion: 91 Resp: 713131

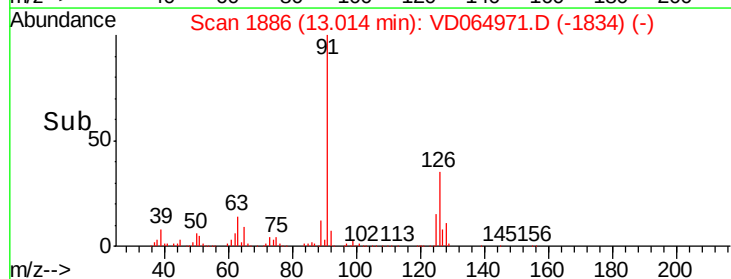
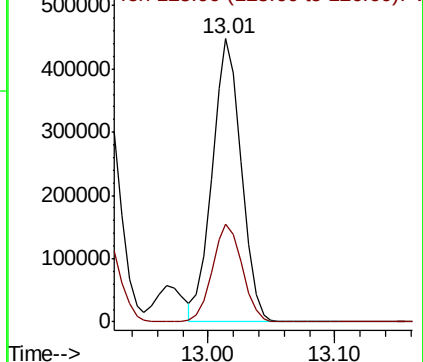
Ion Ratio Lower Upper

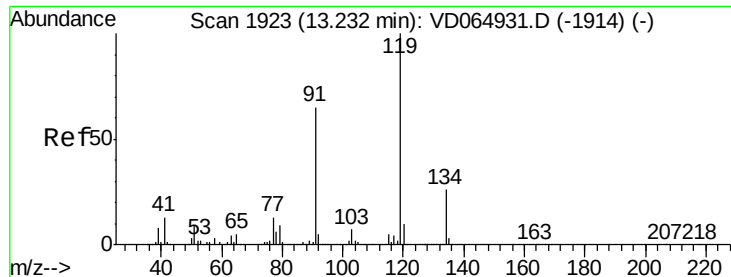
91 100

126 35.5 18.0 54.0



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

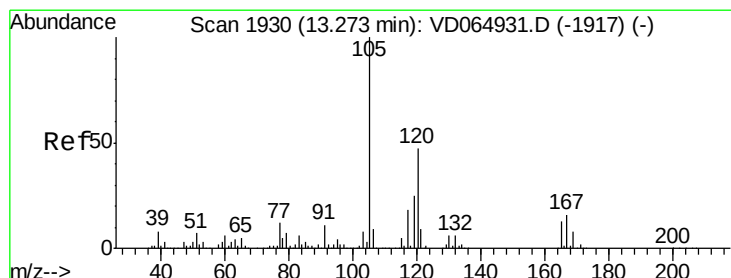
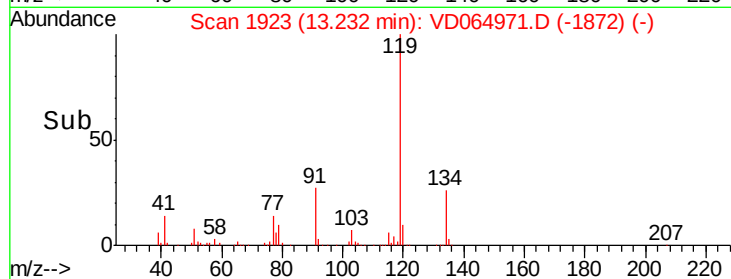
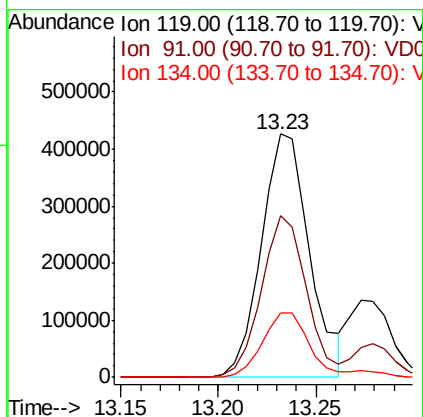
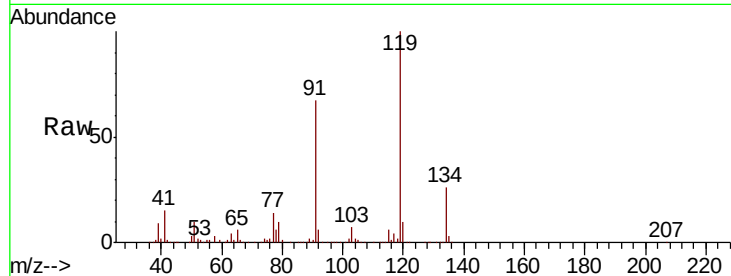




#83
 tert-Butylbenzene
 Concen: 51.344 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064971.D
 Acq: 27 Jan 2020 18:48

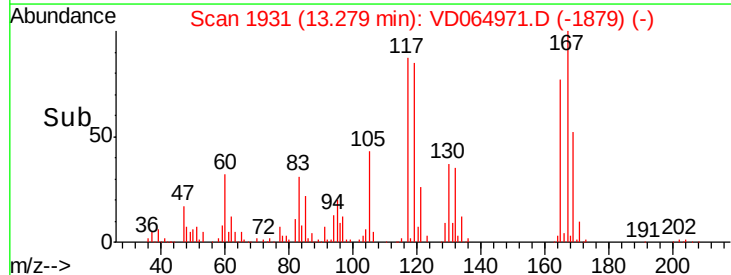
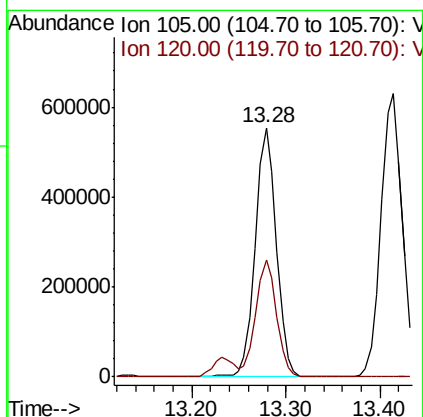
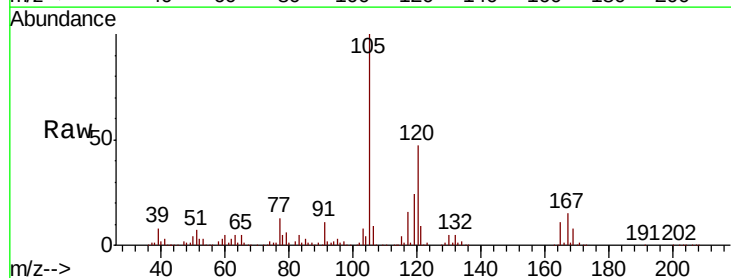
Instrument :
 MSVOA_D
 ClientSampleId :

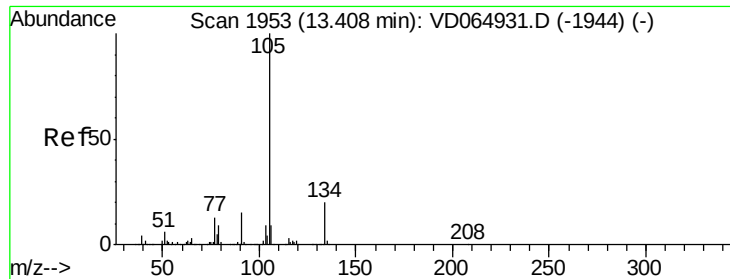
Tot Ion:119 Resp: 728260
 Ion Ratio Lower Upper
 119 100
 91 62.4 32.0 96.0
 134 27.5 13.9 41.6



#84
 1,2,4-Trimethylbenzene
 Concen: 50.677 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.01 min
 Lab File: VD064971.D
 Acq: 27 Jan 2020 18:48

Tgt Ion:105 Resp: 858037
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.1 69.3

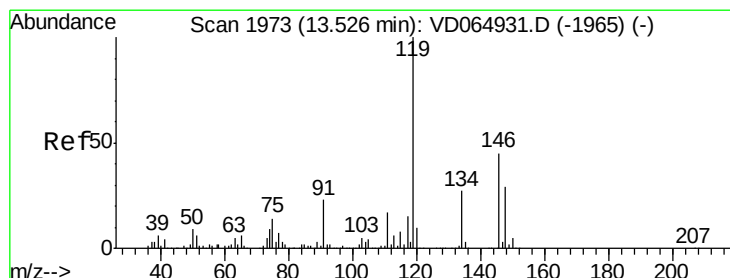
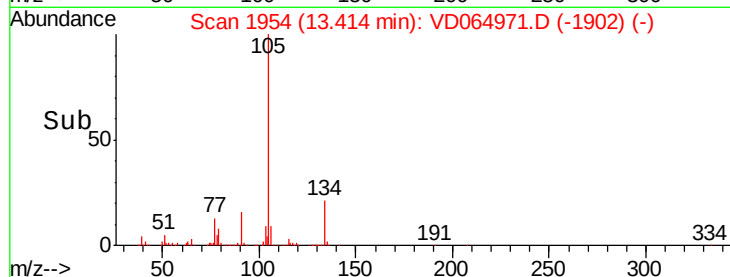
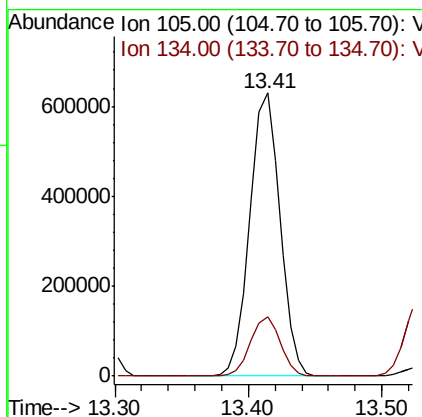
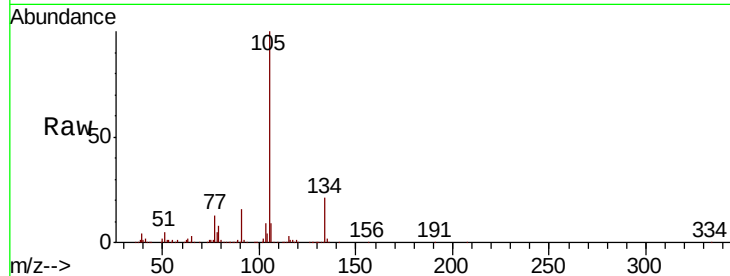




#85
 sec-Butylbenzene
 Concen: 49.009 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. 0.01 min
 Lab File: VD064971.D
 Acq: 27 Jan 2020 18:48

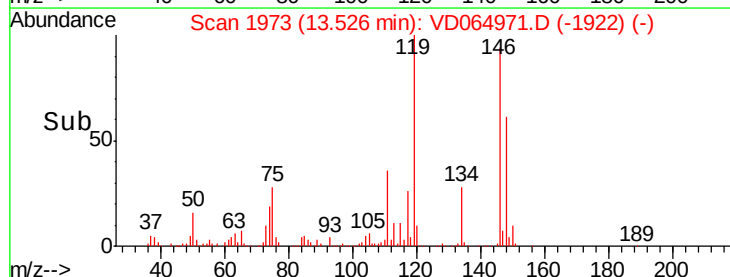
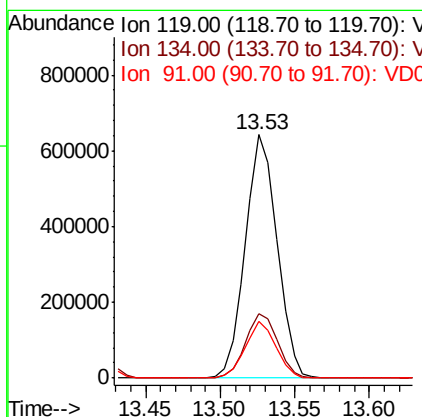
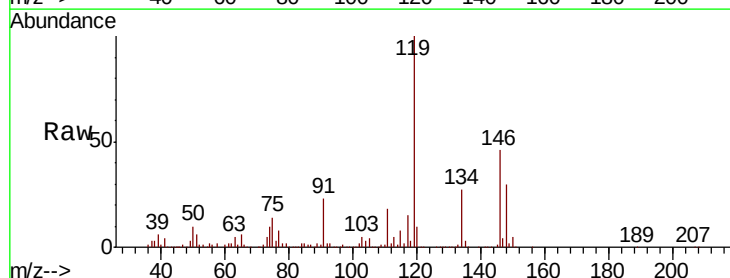
Instrument :
 MSVOA_D
 ClientSampleId :

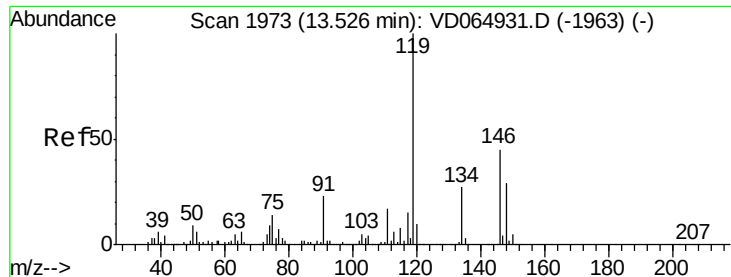
Tot Ion:105 Resp: 984261
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 50.264 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064971.D
 Acq: 27 Jan 2020 18:48

Tgt Ion:119 Resp: 944611
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.3 39.9
 91 22.3 11.4 34.2

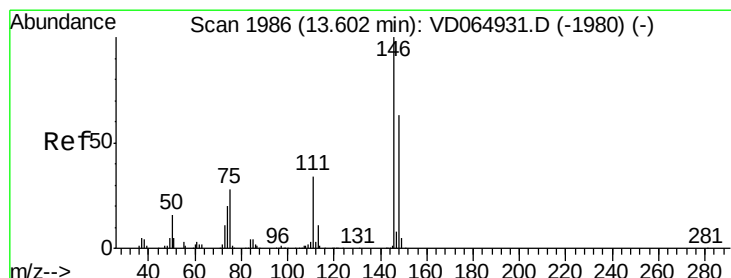
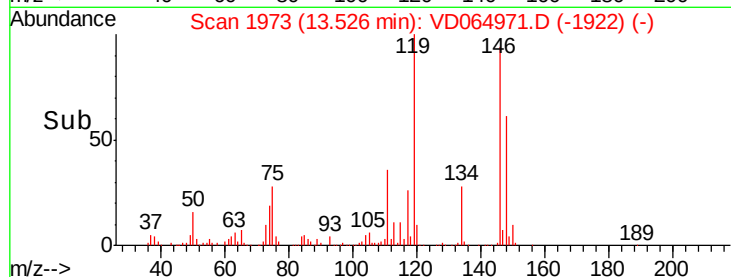
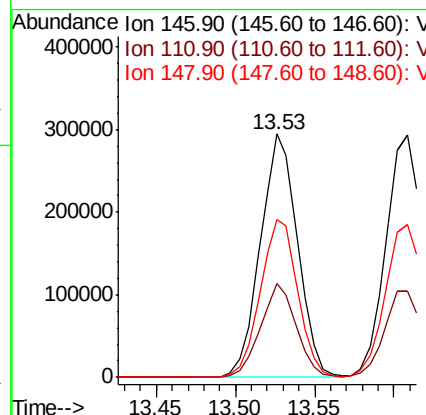
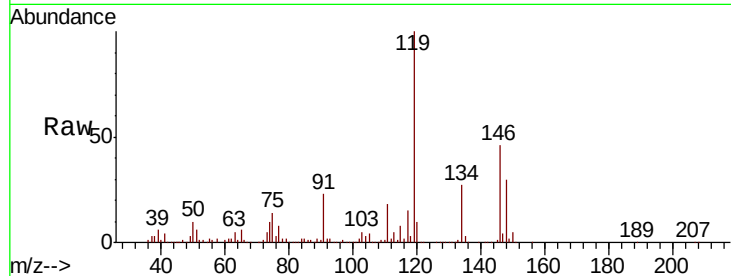




#87
 1,3-Dichlorobenzene
 Concen: 50.263 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064971.D
 Acq: 27 Jan 2020 18:48

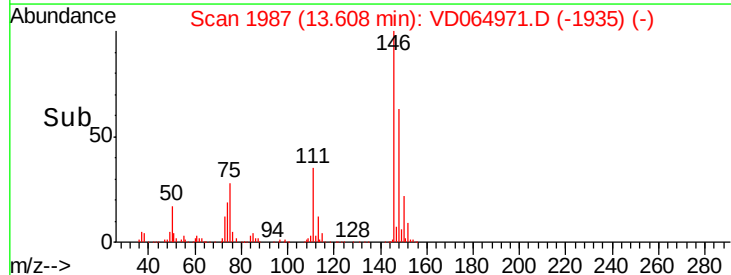
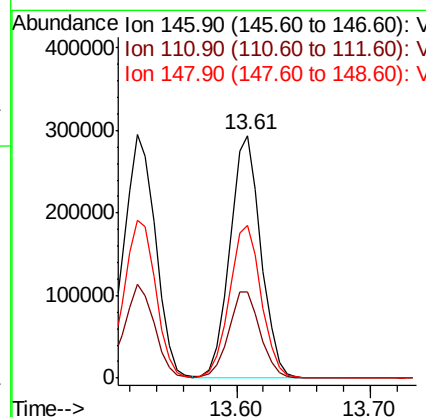
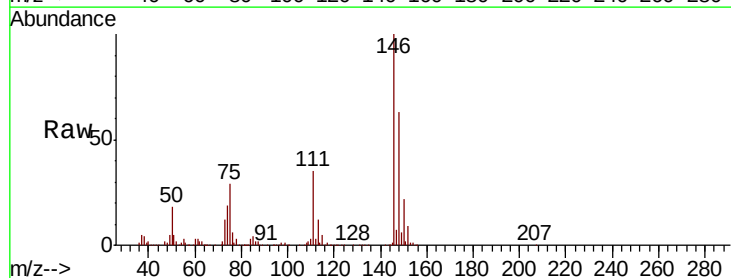
Instrument :
 MSVOA_D
 ClientSampleId :

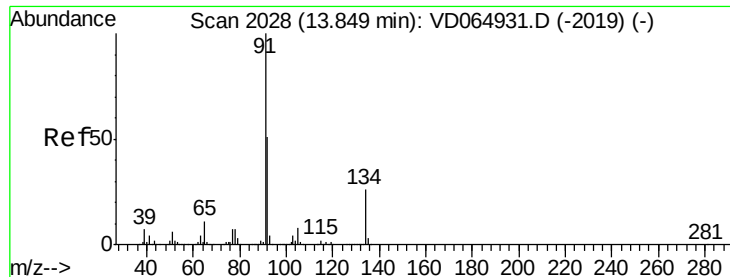
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.9	56.9
148	64.9	32.6	97.7



#88
 1,4-Dichlorobenzene
 Concen: 50.092 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: VD064971.D
 Acq: 27 Jan 2020 18:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.2	54.6
148	64.6	32.0	96.0

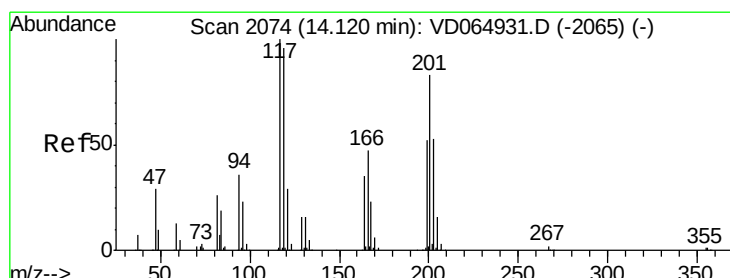
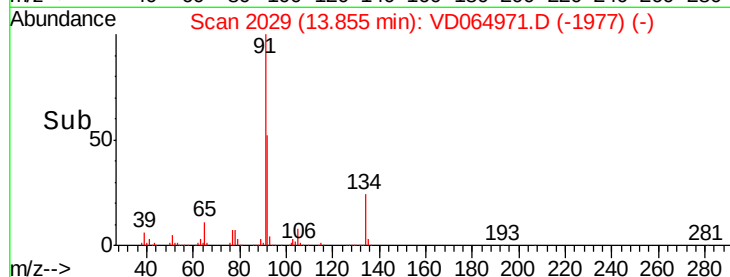
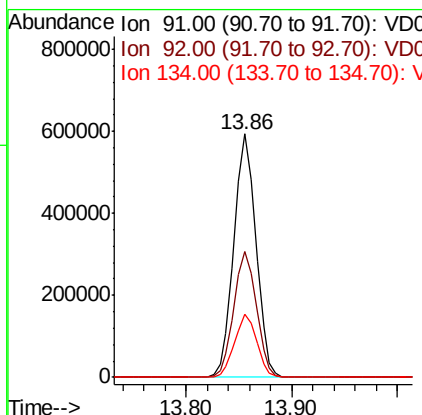
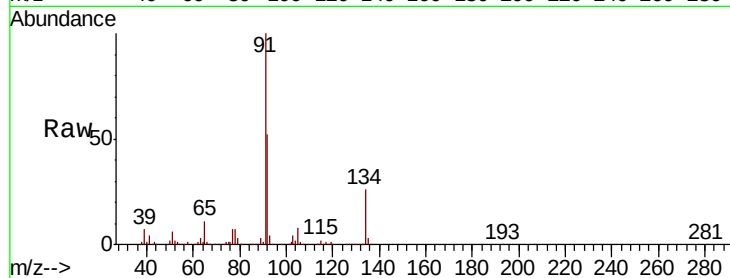




#89
n-Butylbenzene
Concen: 49.933 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

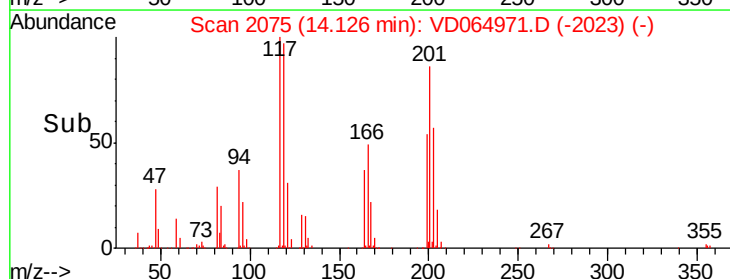
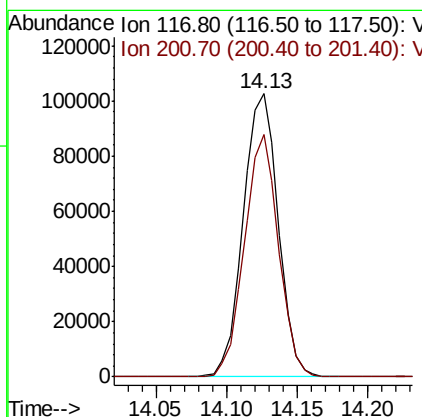
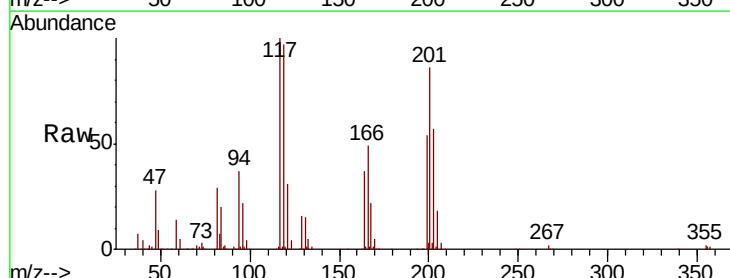
Instrument :
MSVOA_D
ClientSampleId :

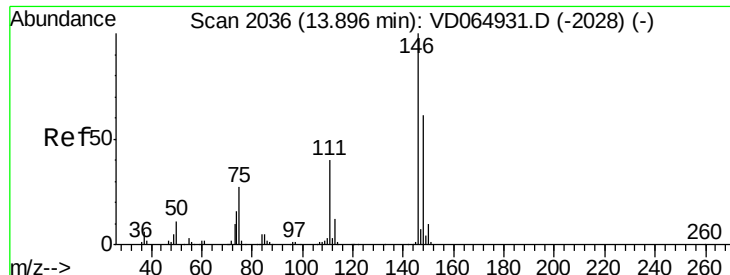
Tot Ion: 91 Resp: 856379
Ion Ratio Lower Upper
91 100
92 52.7 26.4 79.0
134 26.2 13.3 39.9



#90
Hexachloroethane
Concen: 49.249 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Tgt Ion: 117 Resp: 178482
Ion Ratio Lower Upper
117 100
201 83.5 41.1 123.3

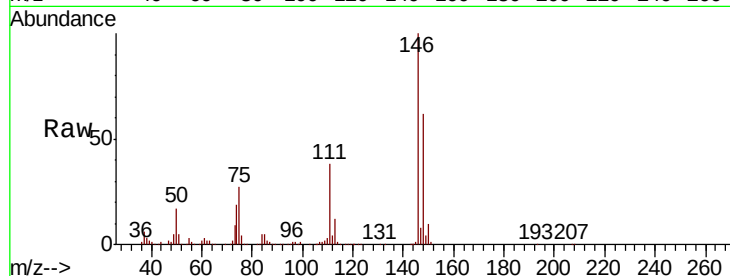




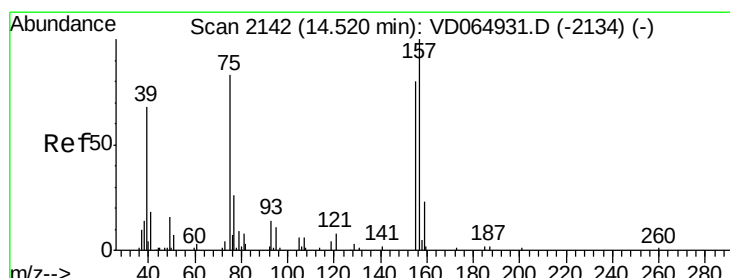
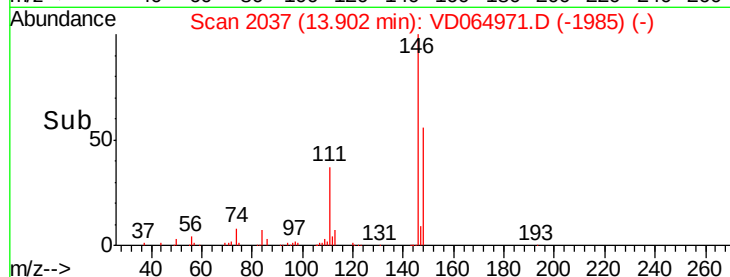
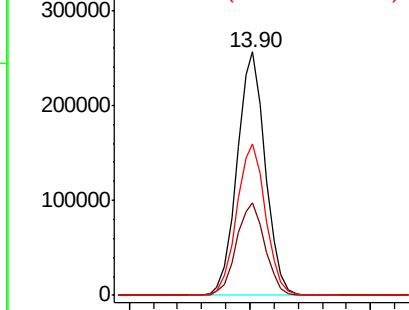
#91
 1,2-Dichlorobenzene
 Concen: 51.154 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD064971.D
 Acq: 27 Jan 2020 18:48

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.2
148	63.6	31.6	95.0

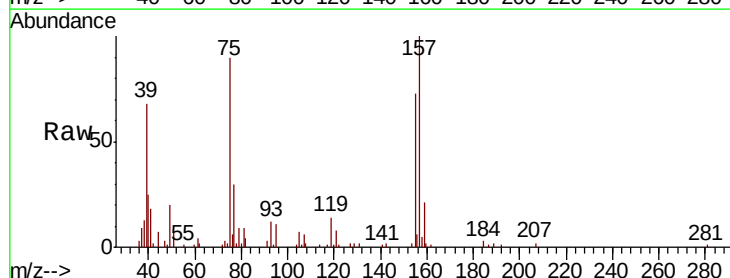


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

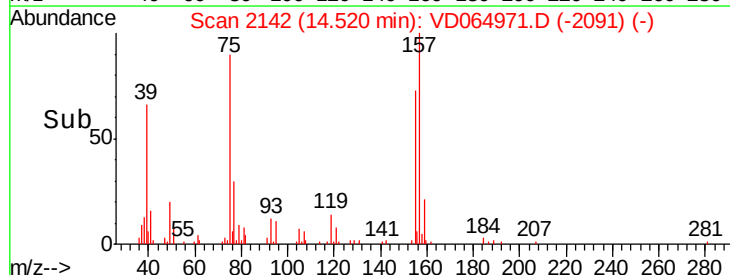
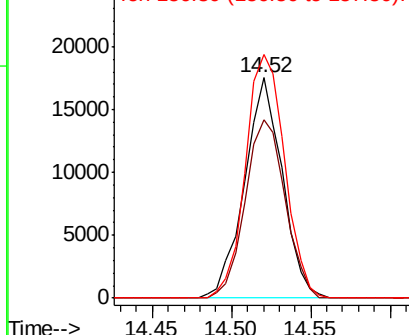


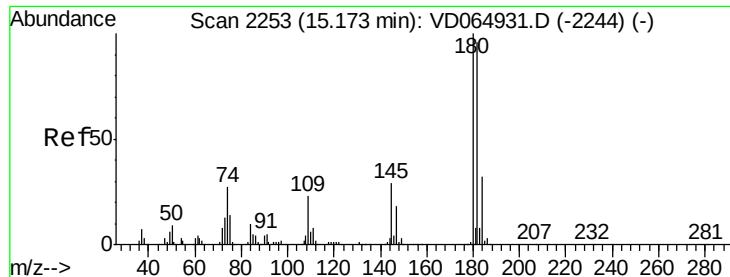
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.936 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064971.D
 Acq: 27 Jan 2020 18:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.4	44.9	134.7
157	114.5	58.9	176.6



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

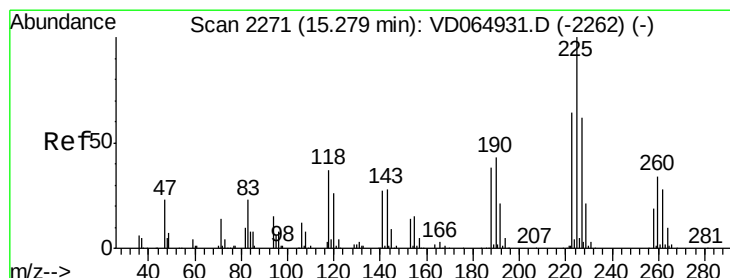
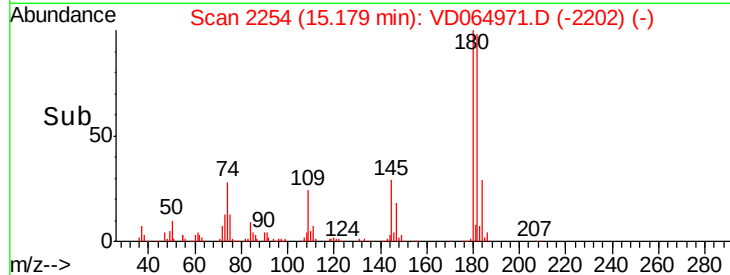
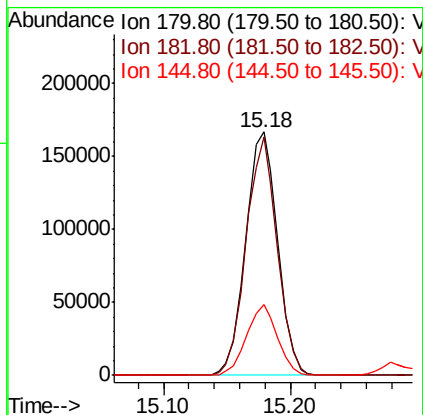
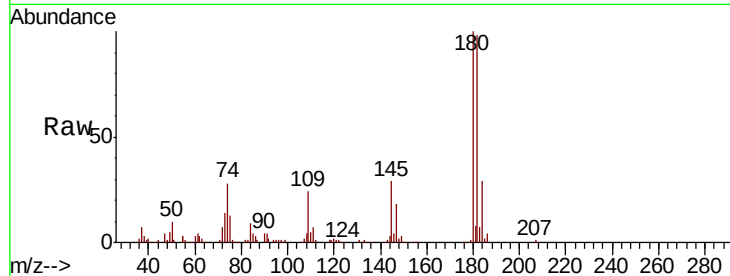




#93
 1,2,4-Trichlorobenzene
 Concen: 51.870 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD064971.D
 Acq: 27 Jan 2020 18:48

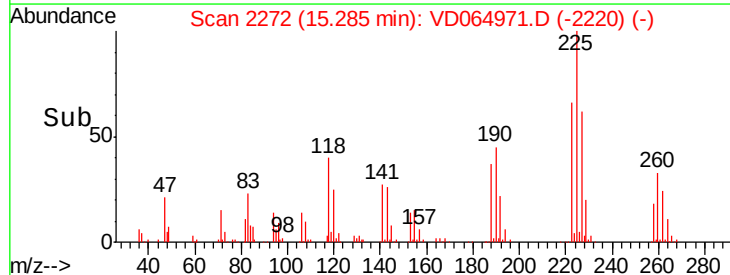
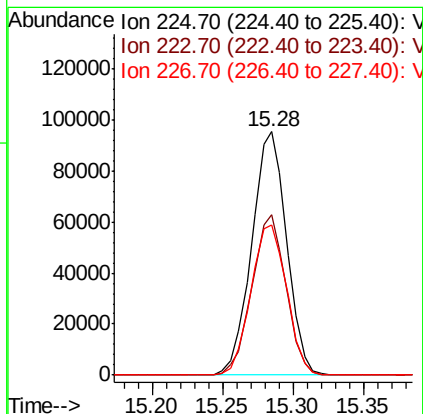
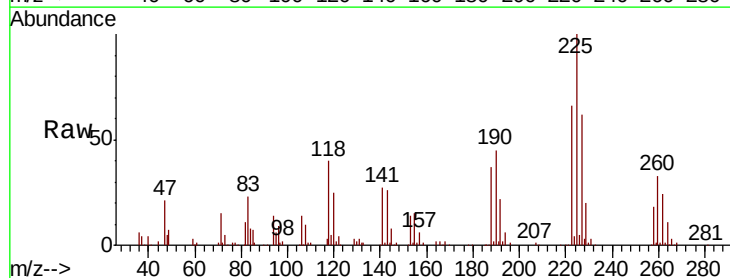
Instrument :
 MSVOA_D
 ClientSampleId :

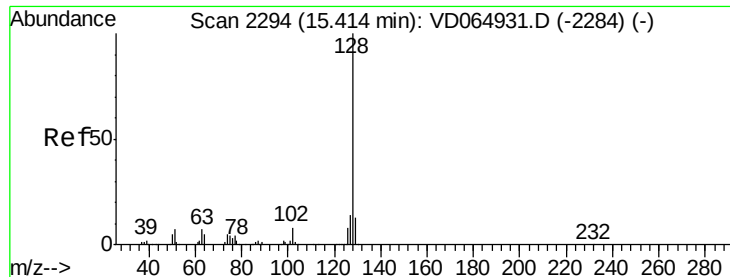
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.1	141.4
145	28.1	14.1	42.3



#94
 Hexachlorobutadiene
 Concen: 46.563 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD064971.D
 Acq: 27 Jan 2020 18:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	32.4	97.2
227	63.0	31.9	95.9





#95

Naphthalene

Concen: 54.312 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Instrument :

MSVOA_D

ClientSampleId :

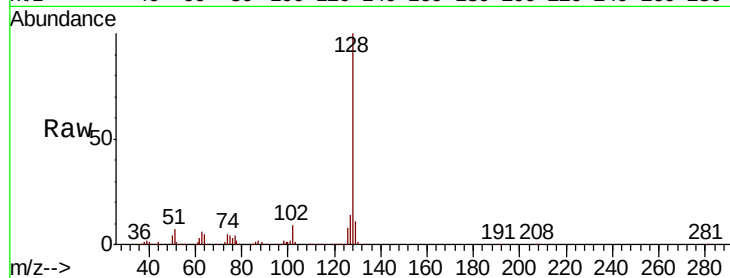
Tot Ion:128 Resp: 492927

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

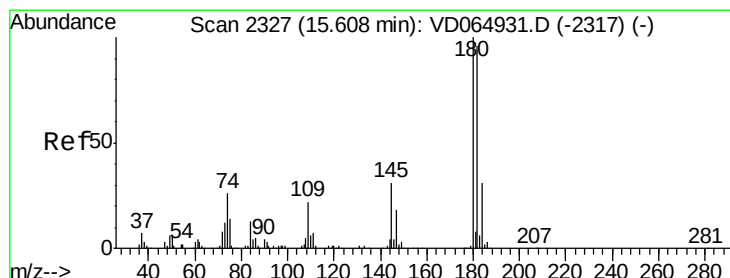
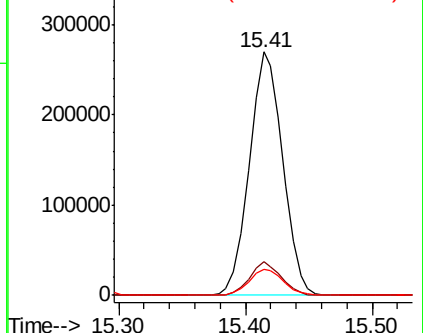
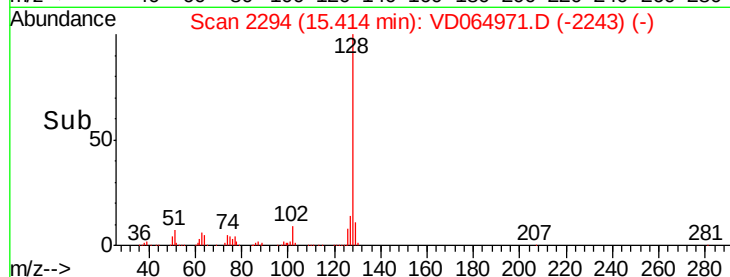
129 10.9 9.3 13.9



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: 51.543 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

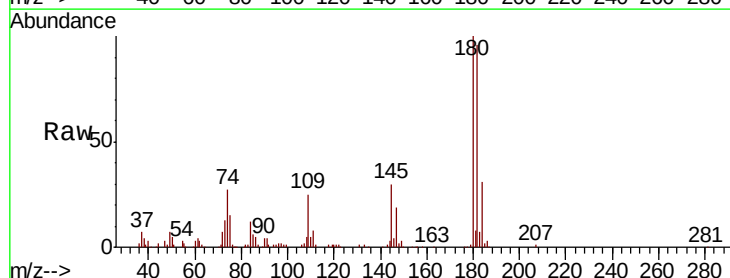
Tgt Ion:180 Resp: 251322

Ion Ratio Lower Upper

180 100

182 94.6 47.3 141.8

145 29.1 14.6 43.8



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

