

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010920\
 Data File : VD064829.D
 Acq On : 09 Jan 2020 21:16
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 10 05:44:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	361465	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	541761	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	491058	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	247635	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	196852	61.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.52%	
35) Dibromofluoromethane	7.92	113	191656	57.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.32%	
50) Toluene-d8	10.34	98	713957	56.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.18%	
62) 4-Bromofluorobenzene	12.64	95	230120	57.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	133509	47.527	ug/l	99
3) Chloromethane	2.21	50	206481	52.557	ug/l	99
4) Vinyl Chloride	2.35	62	245733	51.299	ug/l	98
5) Bromomethane	2.77	94	173684	49.867	ug/l	98
6) Chloroethane	2.92	64	174842	54.473	ug/l	97
7) Trichlorofluoromethane	3.27	101	412207	51.107	ug/l	95
8) Diethyl Ether	3.71	74	91787	57.308	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	180481	54.032	ug/l	97
10) Methyl Iodide	4.29	142	200791	55.962	ug/l	100
11) Tert butyl alcohol	5.26	59	54620	299.011	ug/l	99
12) 1,1-Dichloroethene	4.06	96	162240	51.017	ug/l	97
13) Acrolein	3.93	56	59538	233.871	ug/l	100
14) Allyl chloride	4.71	41	281119	56.698	ug/l	99
15) Acrylonitrile	5.43	53	207918	311.656	ug/l	98
16) Acetone	4.16	43	212965	328.784	ug/l	91
17) Carbon Disulfide	4.40	76	497946	48.425	ug/l	99
18) Methyl Acetate	4.73	43	109428	60.981	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	440091	62.305	ug/l	97
20) Methylene Chloride	4.97	84	203263	63.693	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	197889	54.640	ug/l	97
22) Diisopropyl ether	6.37	45	614731	62.160	ug/l	99
23) Vinyl Acetate	6.31	43	1756981	313.189	ug/l	100
24) 1,1-Dichloroethane	6.27	63	353186	59.489	ug/l	98
25) 2-Butanone	7.22	43	277245	316.444	ug/l	99
26) 2,2-Dichloropropane	7.21	77	299340	54.228	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	224415	57.415	ug/l	97
28) Bromochloromethane	7.54	49	144819	62.749	ug/l	98
29) Tetrahydrofuran	7.57	42	171834	315.383	ug/l	99
30) Chloroform	7.71	83	377531	60.609	ug/l	98
31) Cyclohexane	7.98	56	295474	49.718	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	331205	56.610	ug/l	100
36) 1,1-Dichloropropene	8.11	75	280803	53.851	ug/l	99
37) Ethyl Acetate	7.30	43	123638	60.356	ug/l	99
38) Carbon Tetrachloride	8.10	117	306397	55.106	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	313815	49.689	ug/l	95
40) Benzene	8.36	78	808466	56.795	ug/l	96
41) Methacrylonitrile	7.54	41	71595	60.238	ug/l	94
42) 1,2-Dichloroethane	8.43	62	245754	59.743	ug/l	98
43) Isopropyl Acetate	8.46	43	241859	59.317	ug/l	100
44) Trichloroethene	9.11	130	224592	53.708	ug/l	99
45) 1,2-Dichloropropane	9.39	63	204469	60.160	ug/l	95
46) Dibromomethane	9.48	93	112787	59.521	ug/l	98
47) Bromodichloromethane	9.67	83	298129	59.125	ug/l	97
48) Methyl methacrylate	9.46	41	112491	58.594	ug/l	89
49) 1,4-Dioxane	9.47	88	26399	1208.207	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	631554	313.371	ug/l	99
52) Toluene	10.40	92	523525	56.057	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	281759	59.935	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	327041	58.999	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	148587	58.184	ug/l	96
56) Ethyl methacrylate	10.67	69	193607	60.705	ug/l	98
57) 1,3-Dichloropropane	10.95	76	263465	59.919	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	332186	273.384	ug/l	99
59) 2-Hexanone	10.99	43	434414	317.586	ug/l	98
60) Dibromochloromethane	11.14	129	207160	58.661	ug/l	99
61) 1,2-Dibromoethane	11.25	107	147550	58.580	ug/l	99
64) Tetrachloroethene	10.88	164	209204	55.531	ug/l	98
65) Chlorobenzene	11.67	112	568725	55.802	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	224505	58.432	ug/l	98
67) Ethyl Benzene	11.75	91	1018621	55.064	ug/l	99
68) m/p-Xylenes	11.86	106	797397	111.678	ug/l	99
69) o-Xylene	12.18	106	363616	56.380	ug/l	100
70) Styrene	12.20	104	653617	57.738	ug/l	99
71) Bromoform	12.37	173	127225	58.065	ug/l #	100
73) Isopropylbenzene	12.48	105	959730	54.233	ug/l	100
74) N-amyl acetate	12.30	43	225296	59.557	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	163472	58.804	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	215789	110.351	ug/l #	100
77) Bromobenzene	12.77	156	240267	55.255	ug/l	98
78) n-propylbenzene	12.83	91	1125623	54.522	ug/l	99
79) 2-Chlorotoluene	12.91	91	622457	54.884	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	793300	54.571	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	54714	58.519	ug/l	96
82) 4-Chlorotoluene	13.01	91	669903	55.505	ug/l	99
83) tert-Butylbenzene	13.23	119	686509	54.391	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	808917	55.873	ug/l	97
85) sec-Butylbenzene	13.41	105	936108	54.099	ug/l	99
86) p-Isopropyltoluene	13.52	119	902356	54.538	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	464515	56.038	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	452582	55.578	ug/l	99
89) n-Butylbenzene	13.85	91	802871	53.885	ug/l	99
90) Hexachloroethane	14.12	117	169105	53.505	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	399054	56.457	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	25786	57.218	ug/l	95

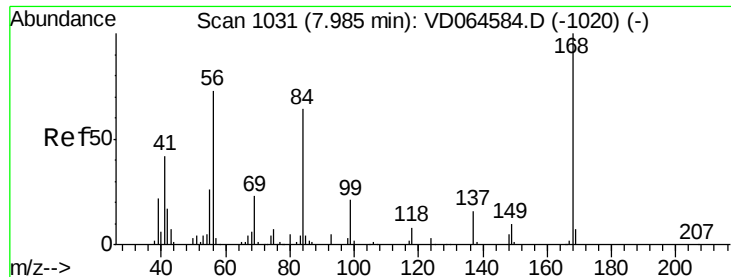
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	273444	52.540	ug/l	99
94) Hexachlorobutadiene	15.27	225	162602	49.649	ug/l	98
95) Naphthalene	15.41	128	468598	56.913	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	241188	54.284	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

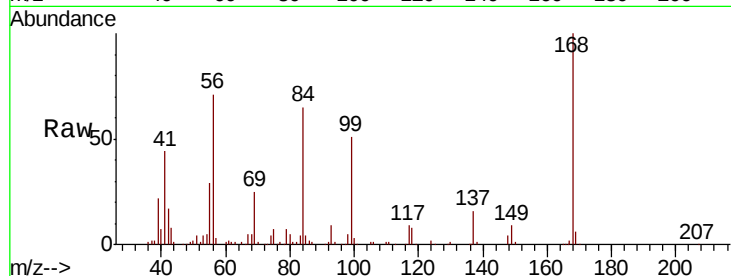
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 361465

Ion Ratio Lower Upper

168 100

99 51.1 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

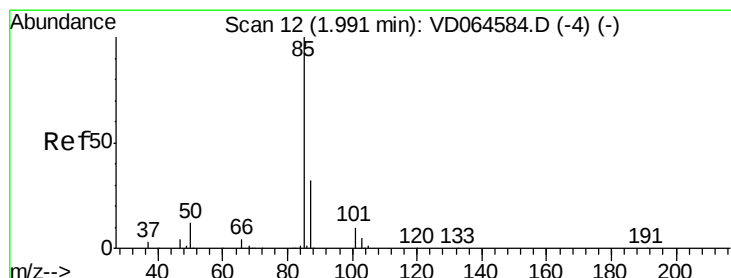
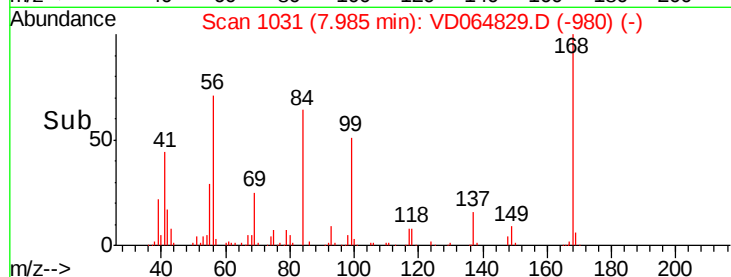
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 47.527 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064829.D

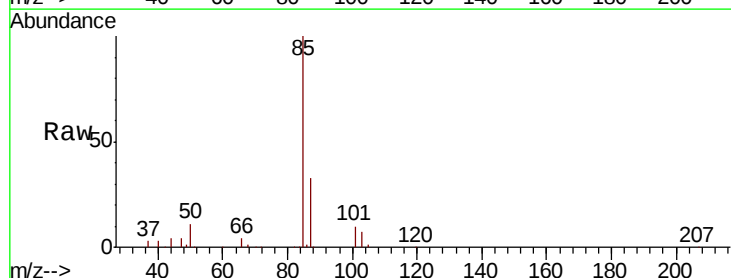
Acq: 09 Jan 2020 21:16

Tgt Ion: 85 Resp: 133509

Ion Ratio Lower Upper

85 100

87 32.5 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

80000

60000

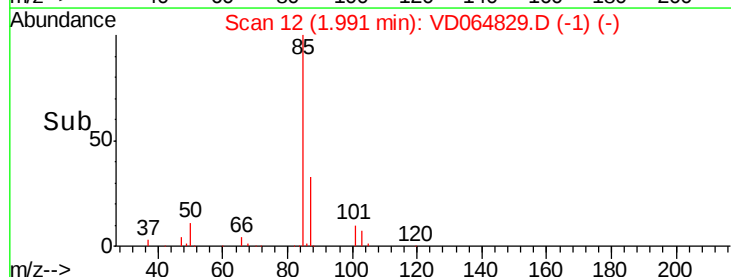
40000

20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 52.557 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

Instrument :

MSVOA_D

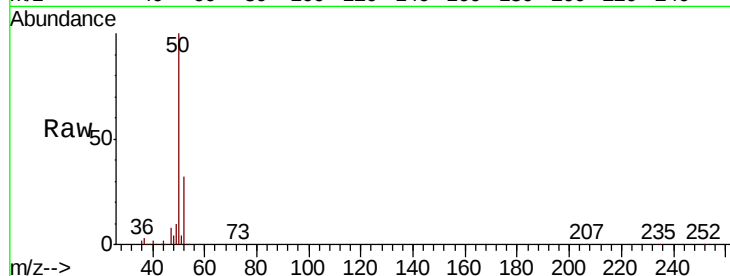
ClientSampleId :

Tot Ion: 50 Resp: 206481

Ion Ratio Lower Upper

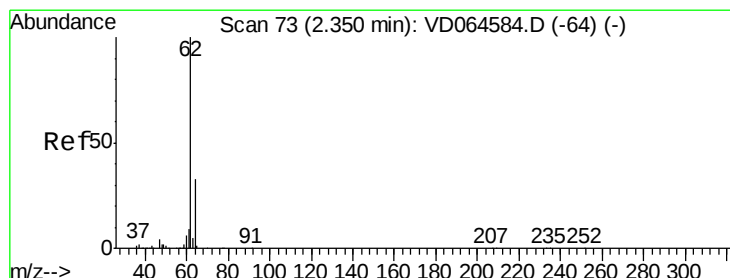
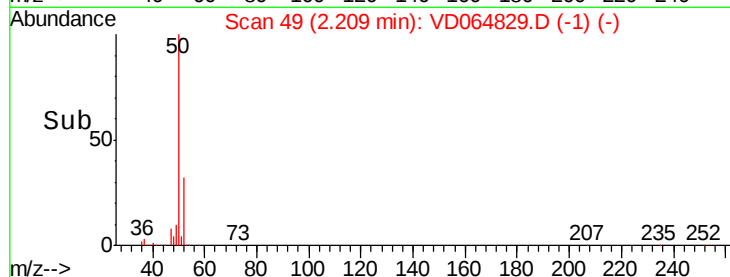
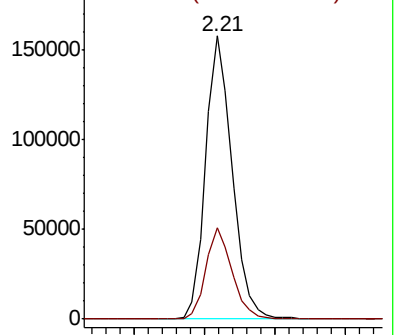
50 100

52 32.3 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 51.299 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064829.D

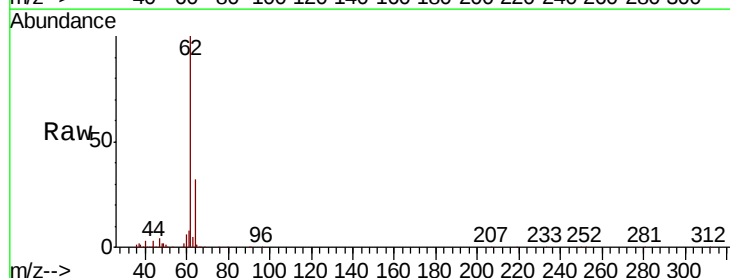
Acq: 09 Jan 2020 21:16

Tgt Ion: 62 Resp: 245733

Ion Ratio Lower Upper

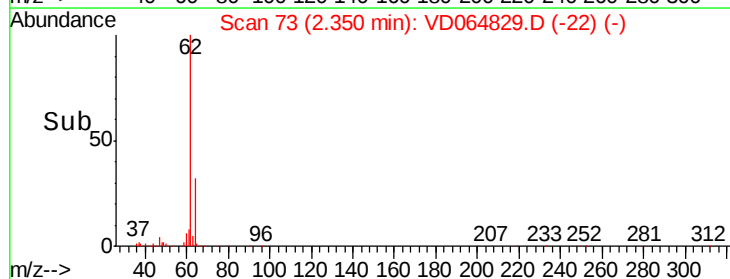
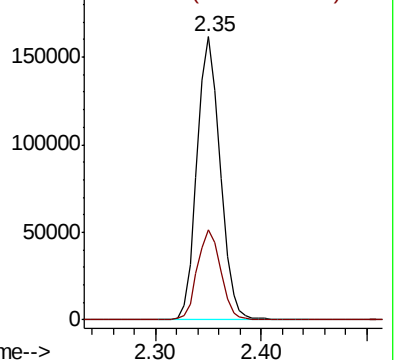
62 100

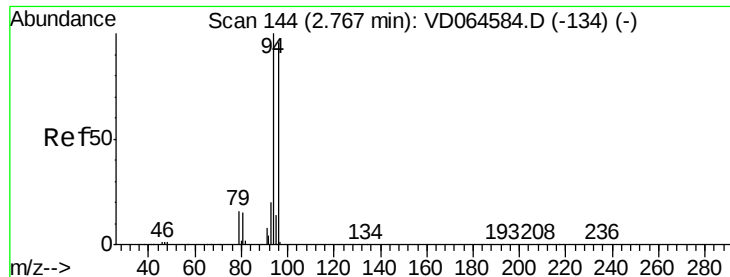
64 31.9 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 49.867 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

Instrument :

MSVOA_D

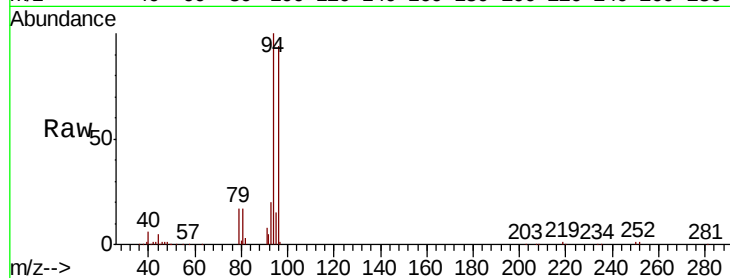
ClientSampleId :

Tot Ion: 94 Resp: 173684

Ion Ratio Lower Upper

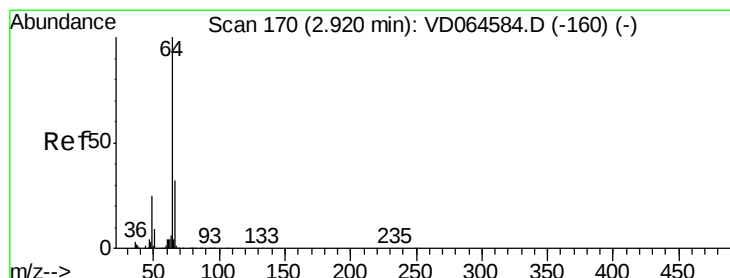
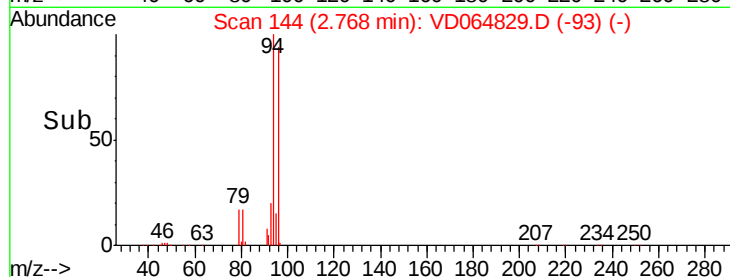
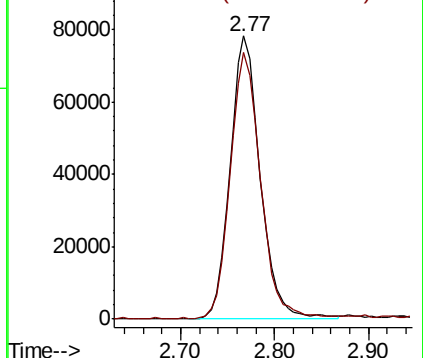
94 100

96 94.2 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 54.473 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064829.D

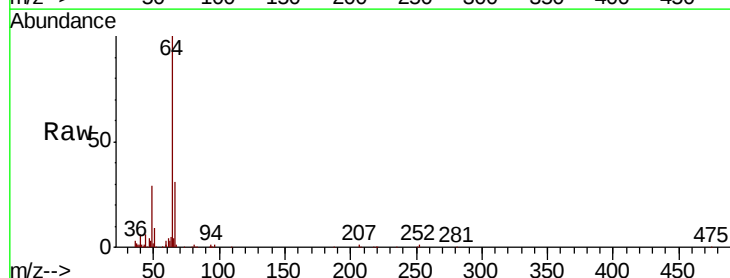
Acq: 09 Jan 2020 21:16

Tgt Ion: 64 Resp: 174842

Ion Ratio Lower Upper

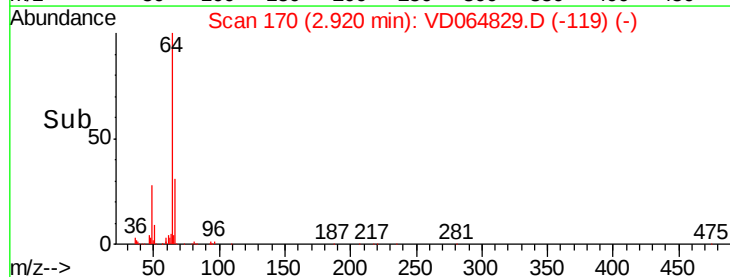
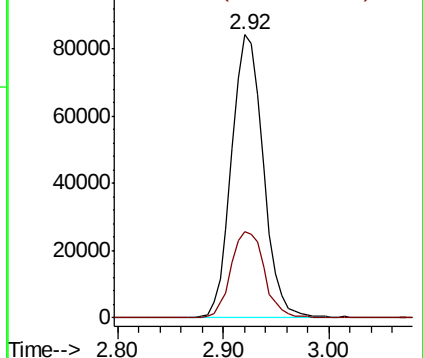
64 100

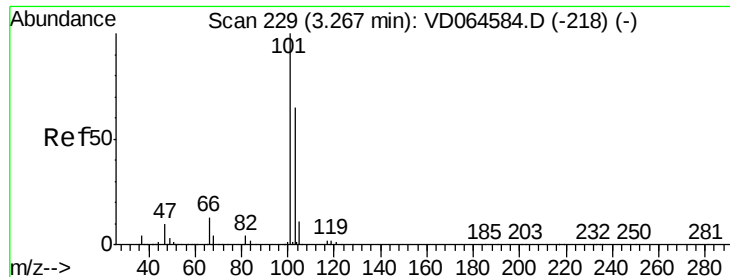
66 30.7 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



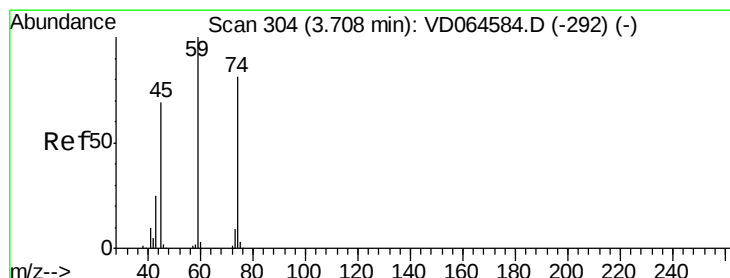
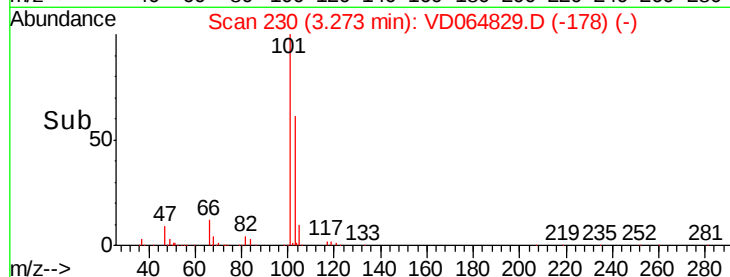
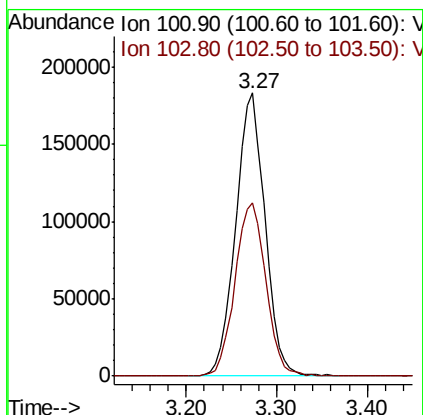
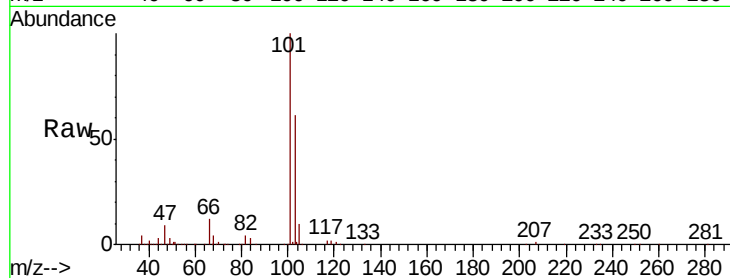


#7

Trichlorofluoromethane
Concen: 51.107 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Instrument :
MSVOA_D
ClientSampleId :

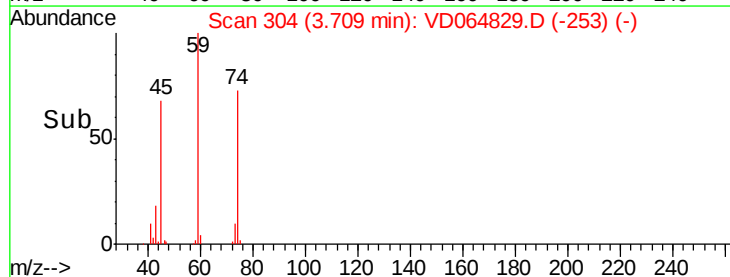
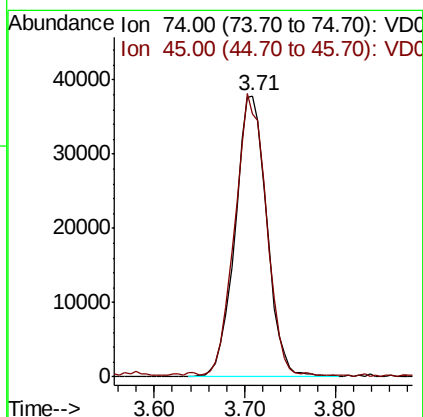
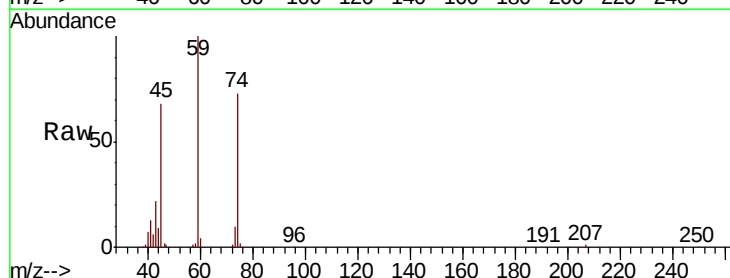
Tot Ion:101 Resp: 412207
Ion Ratio Lower Upper
101 100
103 61.4 52.2 78.4

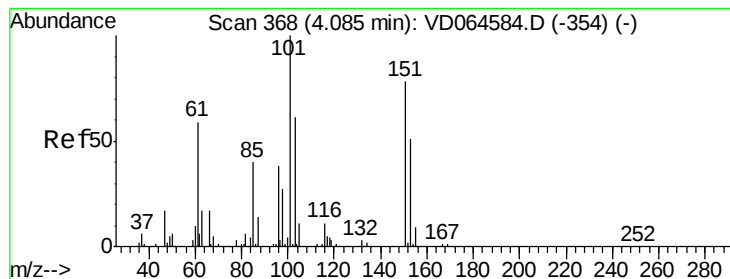


#8

Diethyl Ether
Concen: 57.308 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Tgt Ion: 74 Resp: 91787
Ion Ratio Lower Upper
74 100
45 98.3 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.032 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

Instrument :

MSVOA_D

ClientSampleId :

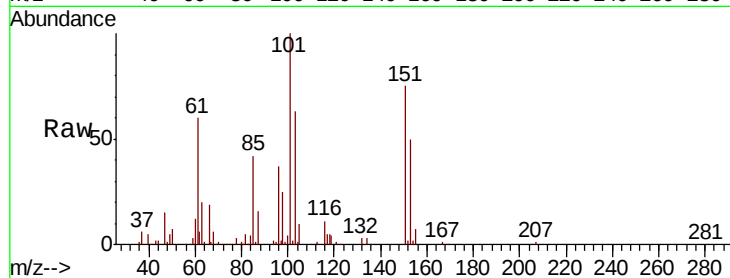
Tot Ion:101 Resp: 180481

Ion Ratio Lower Upper

101 100

85 44.1 35.2 52.8

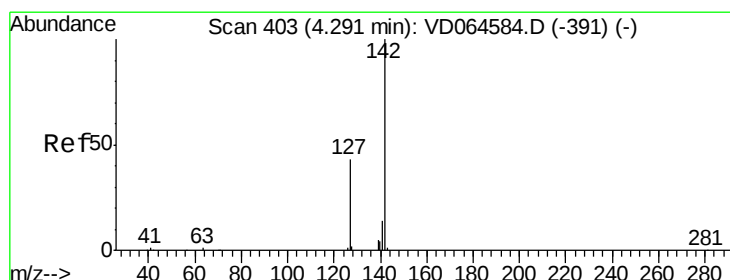
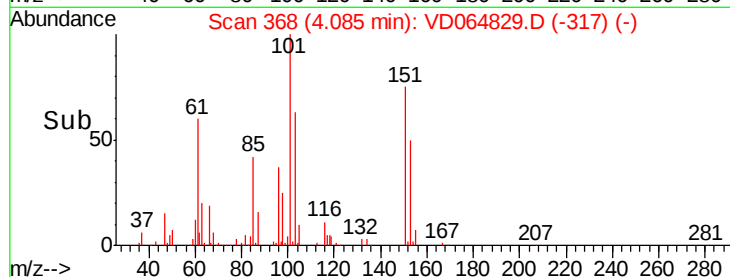
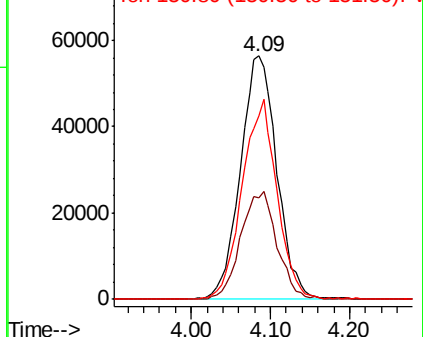
151 78.3 66.2 99.4



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: 55.962 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

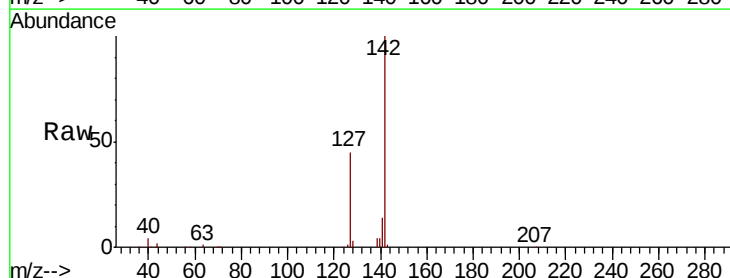
Tgt Ion:142 Resp: 200791

Ion Ratio Lower Upper

142 100

127 45.3 36.2 54.4

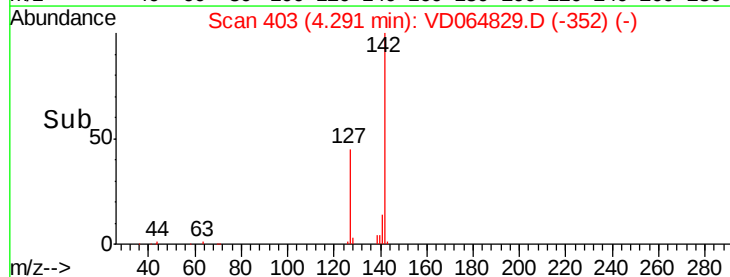
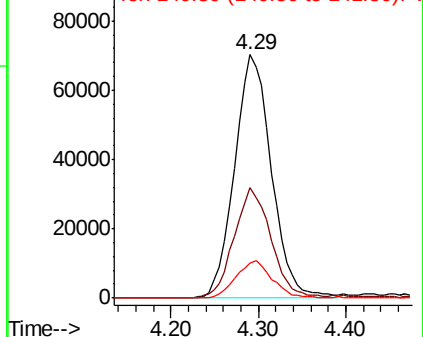
141 15.1 11.8 17.8

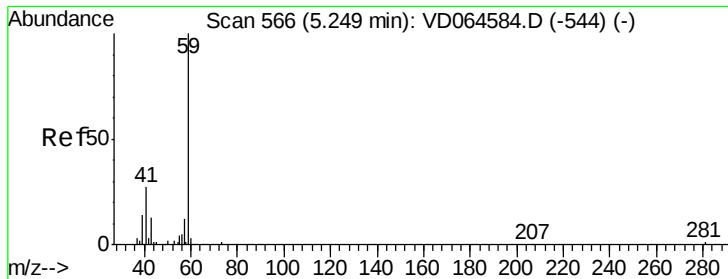


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



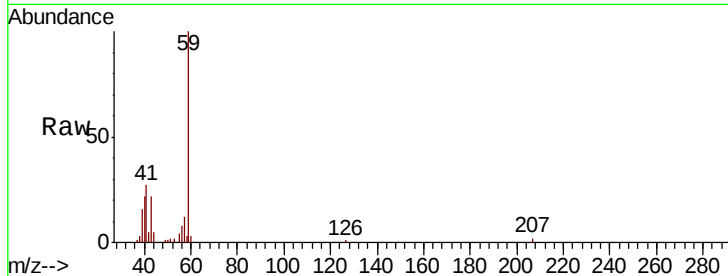


#11

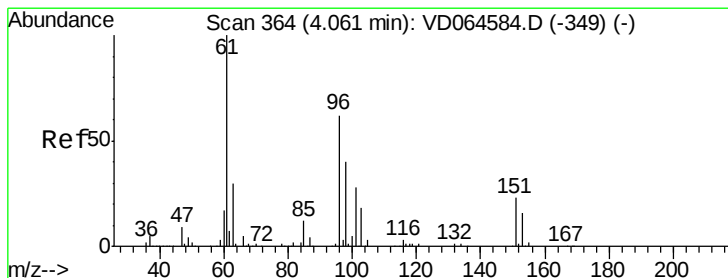
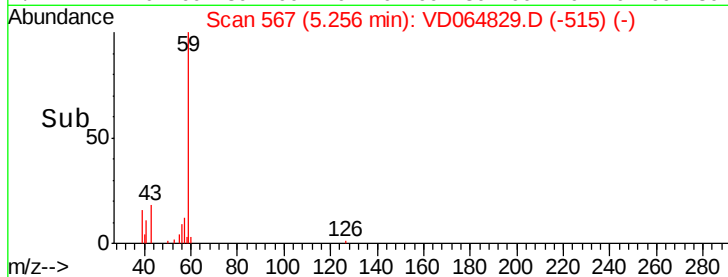
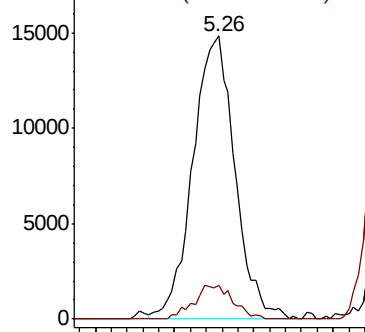
Tert butyl alcohol
Concen: 299.011 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 59 Resp: 54620
Ion Ratio Lower Upper
59 100
57 11.0 9.3 13.9



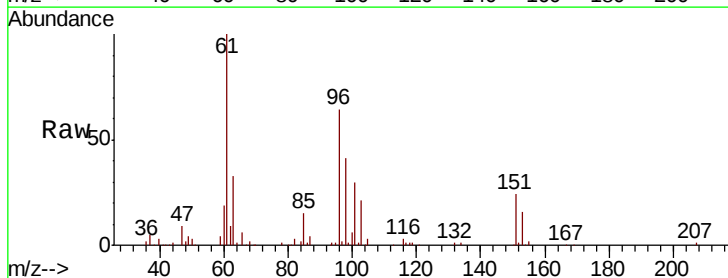
Abundance Ion 59.00 (58.70 to 59.70): VDC
Ion 57.00 (56.70 to 57.70): VDC



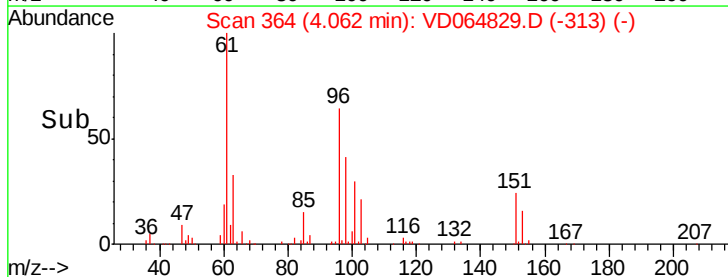
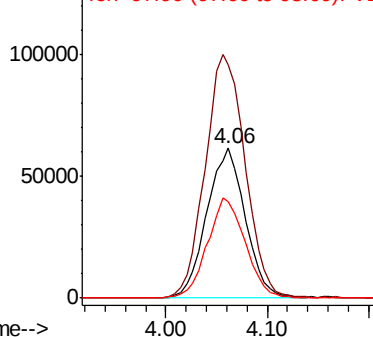
#12

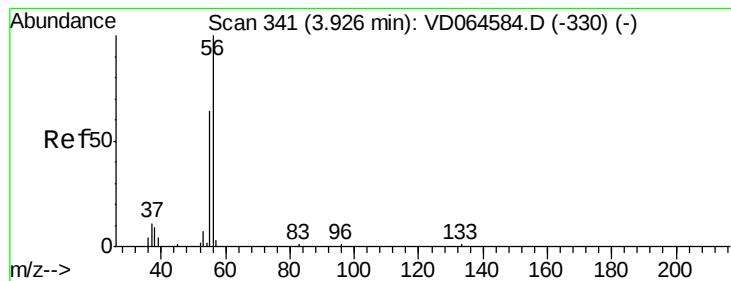
1,1-Dichloroethene
Concen: 51.017 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Tgt Ion: 96 Resp: 162240
Ion Ratio Lower Upper
96 100
61 156.0 129.4 194.0
98 64.7 51.4 77.0



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





#13

Acrolein

Concen: 233.871 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

Instrument :

MSVOA_D

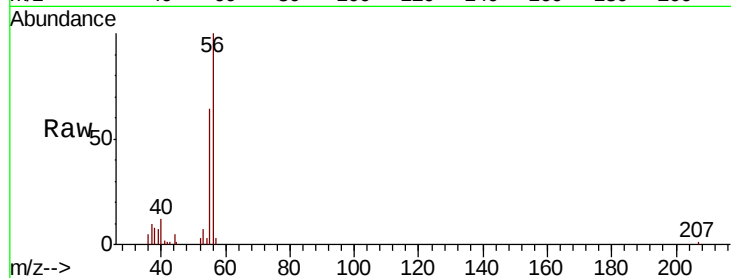
ClientSampleId :

Tot Ion: 56 Resp: 59538

Ion Ratio Lower Upper

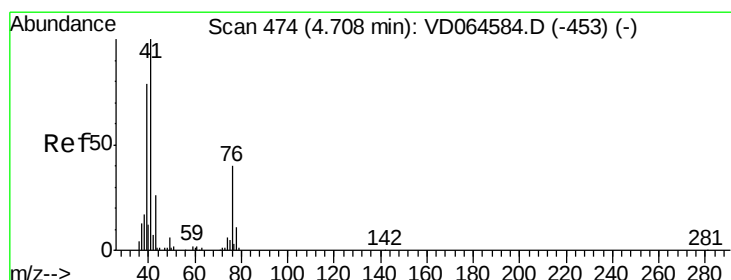
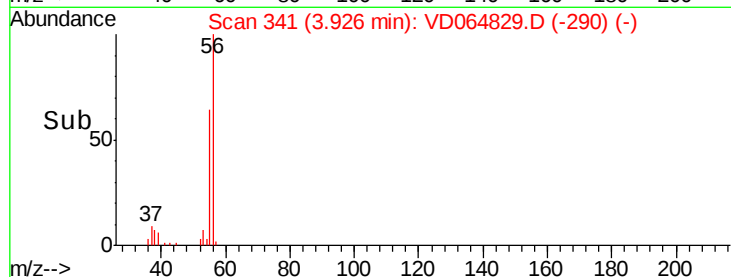
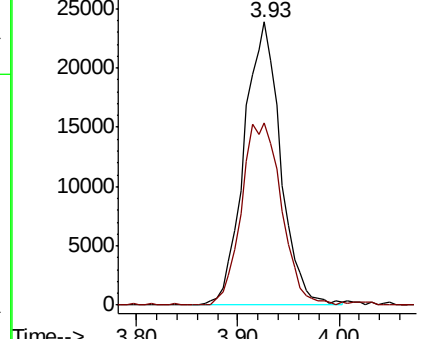
56 100

55 70.6 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 56.698 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

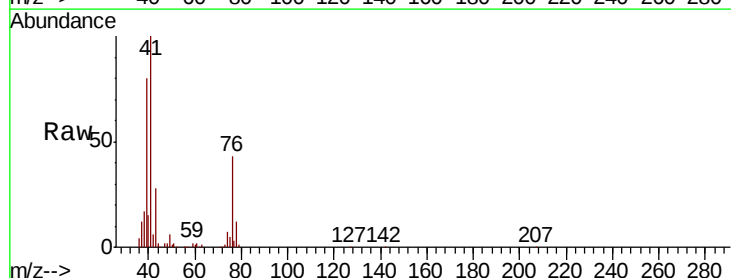
Tgt Ion: 41 Resp: 281119

Ion Ratio Lower Upper

41 100

39 76.9 62.3 93.5

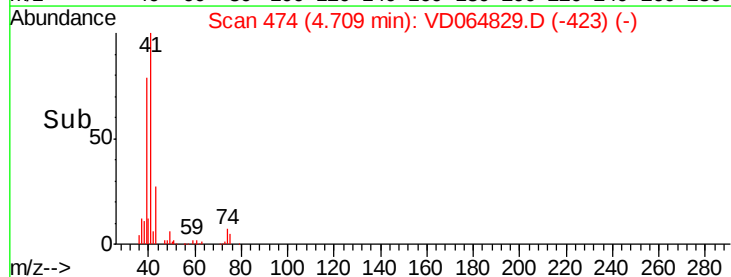
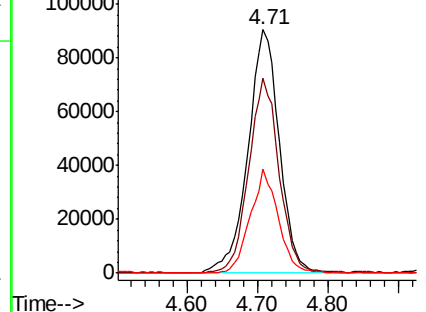
76 38.0 29.7 44.5

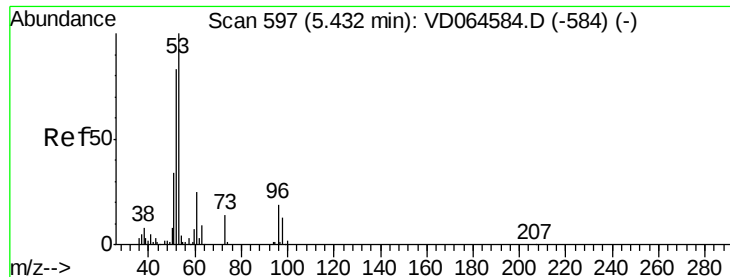


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 311.656 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

Instrument :

MSVOA_D

ClientSampleId :

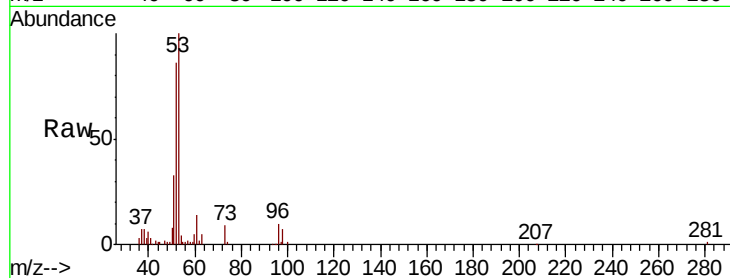
Tot Ion: 53 Resp: 207918

Ion Ratio Lower Upper

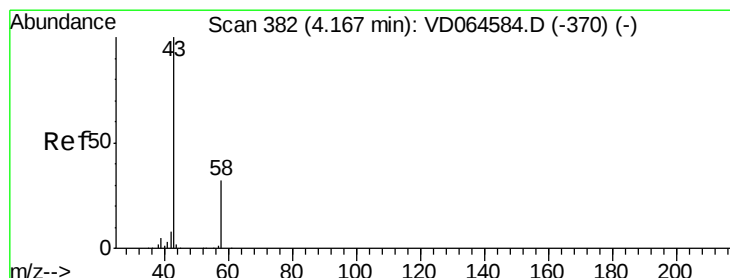
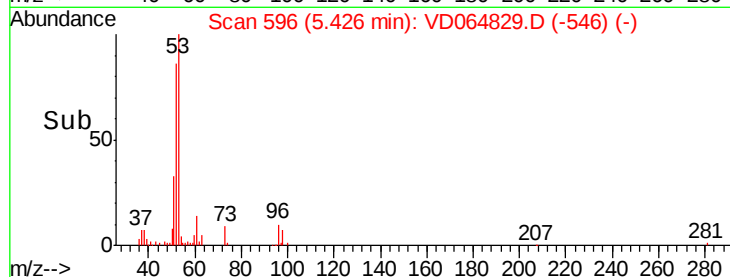
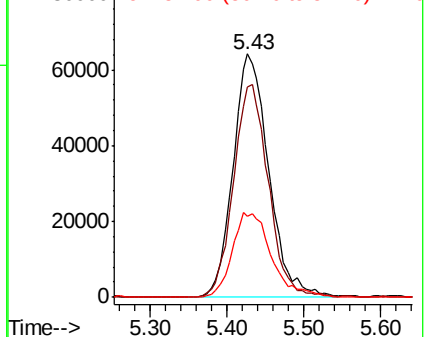
53 100

52 85.5 66.2 99.2

51 38.1 30.1 45.1



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: 328.784 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064829.D

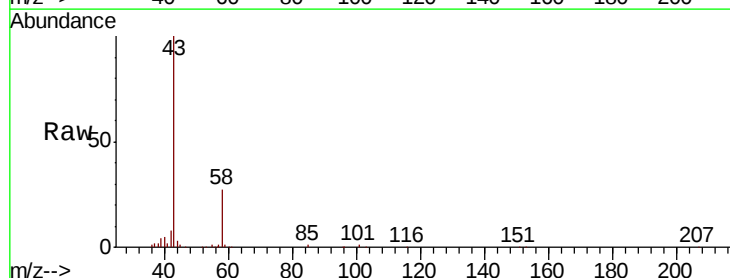
Acq: 09 Jan 2020 21:16

Tgt Ion: 43 Resp: 212965

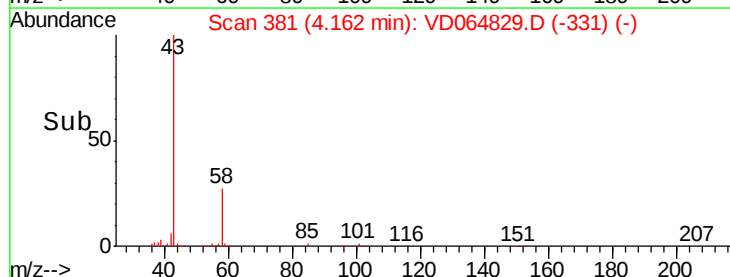
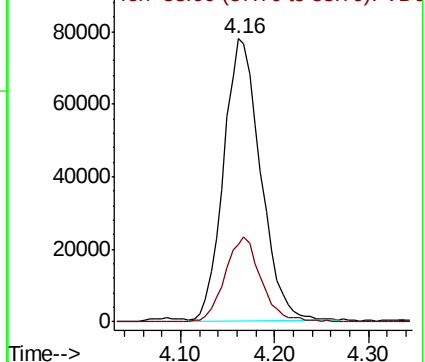
Ion Ratio Lower Upper

43 100

58 27.4 25.8 38.6



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

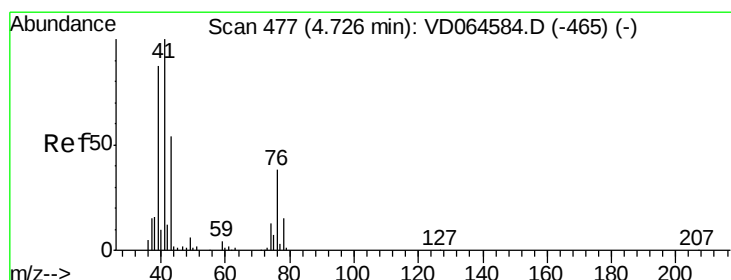
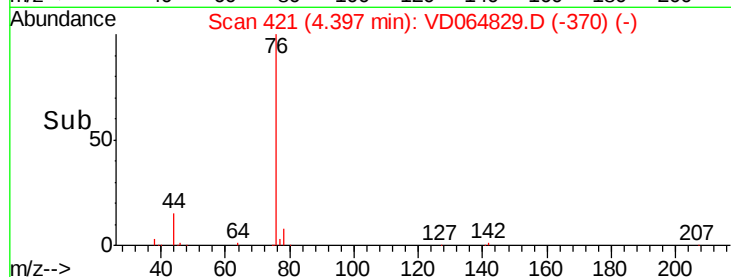
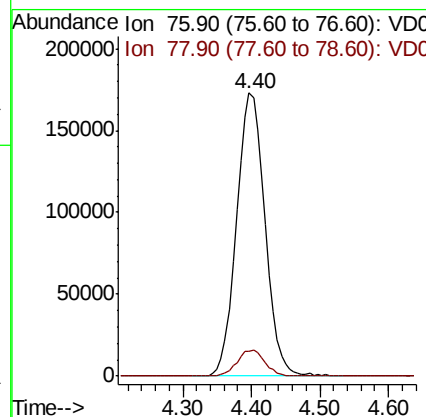
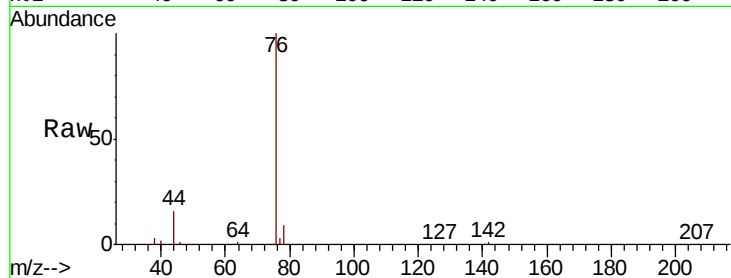




#17
Carbon Disulfide
Concen: 48.425 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

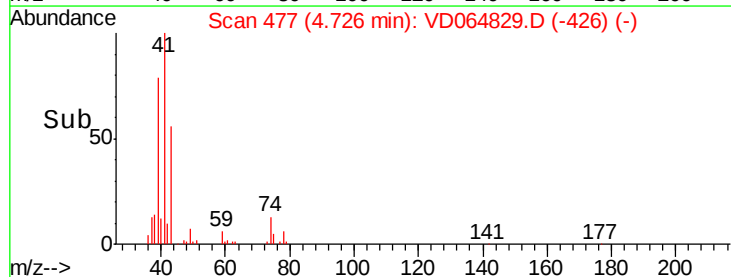
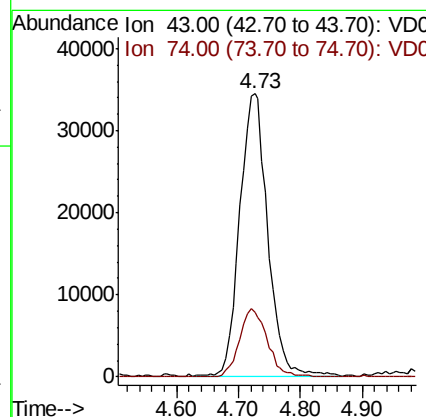
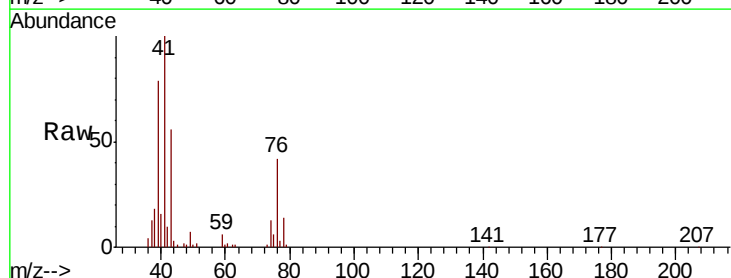
Instrument :
MSVOA_D
ClientSampleId :

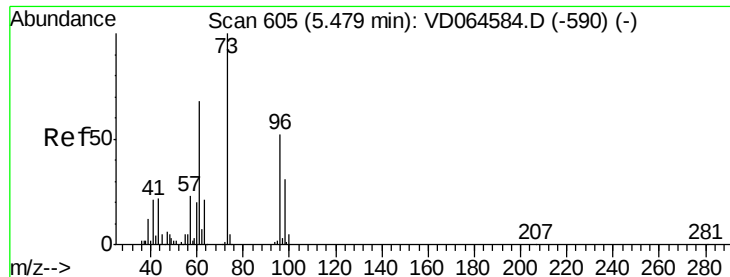
Tot Ion: 76 Resp: 497946
Ion Ratio Lower Upper
76 100
78 8.9 7.3 10.9



#18
Methyl Acetate
Concen: 60.981 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Tgt Ion: 43 Resp: 109428
Ion Ratio Lower Upper
43 100
74 23.7 19.2 28.8



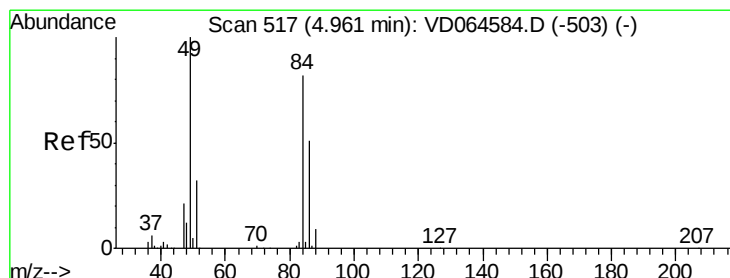
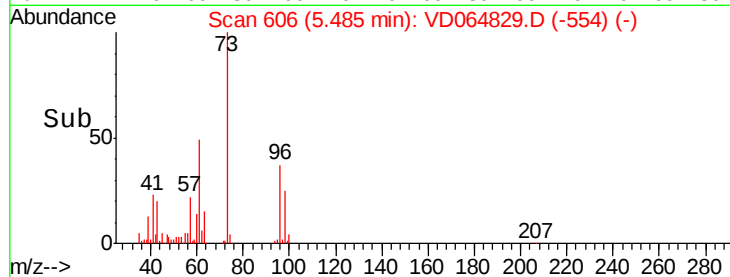
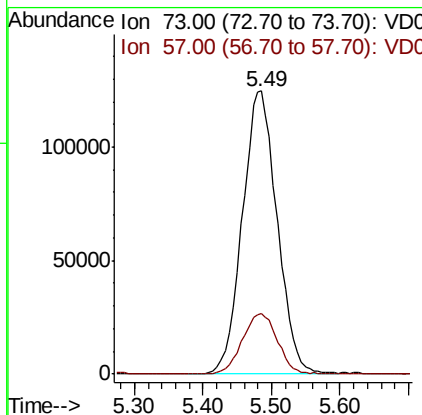
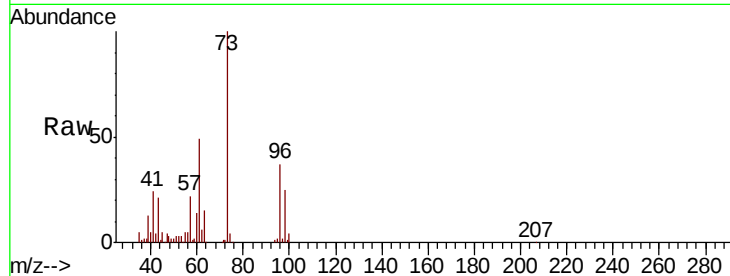


#19

Methyl tert-butyl Ether
 Concen: 62.305 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.01 min
 Lab File: VD064829.D
 Acq: 09 Jan 2020 21:16

Instrument :
 MSVOA_D
 ClientSampled :

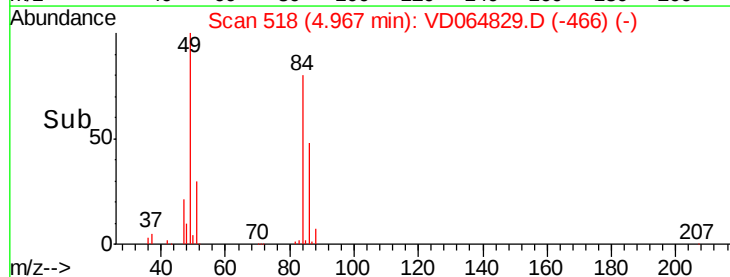
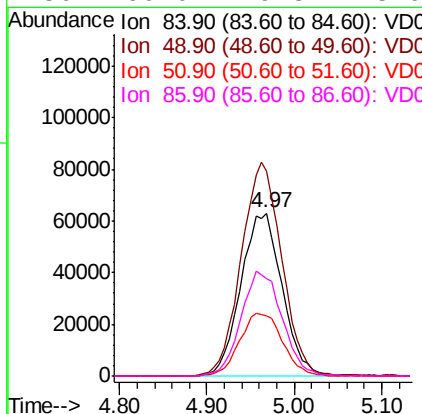
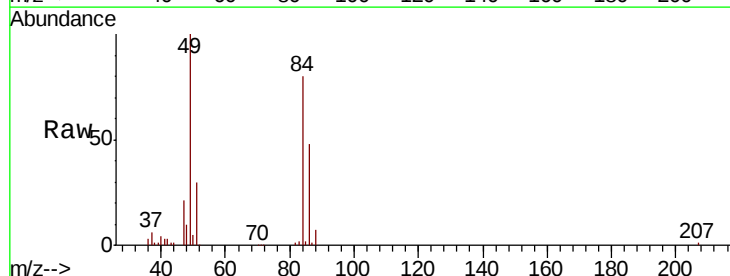
Tot Ion: 73 Resp: 440091
 Ion Ratio Lower Upper
 73 100
 57 21.6 18.6 27.8

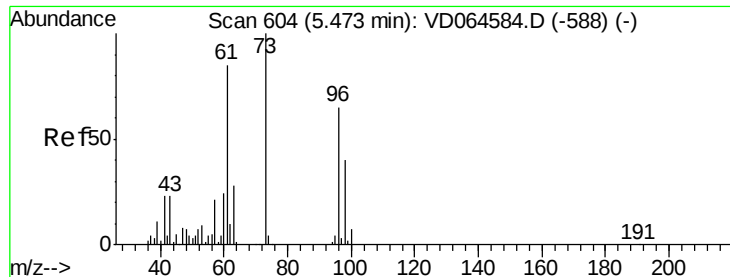


#20

Methylene Chloride
 Concen: 63.693 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD064829.D
 Acq: 09 Jan 2020 21:16

Tgt Ion: 84 Resp: 203263
 Ion Ratio Lower Upper
 84 100
 49 125.3 97.2 145.8
 51 37.1 31.4 47.0
 86 60.0 49.3 73.9

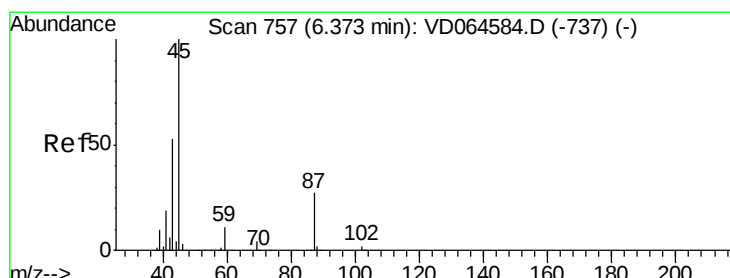
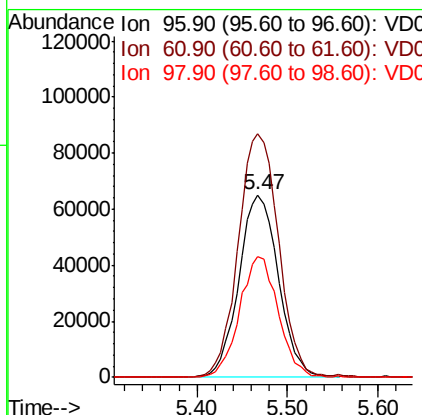
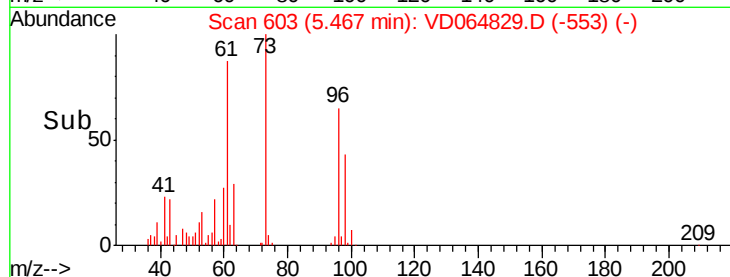
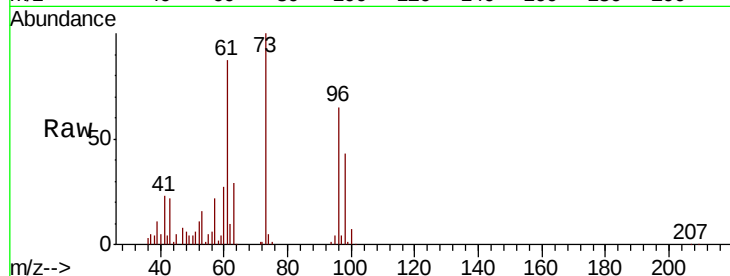




#21
trans-1,2-Dichloroethene
Concen: 54.640 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

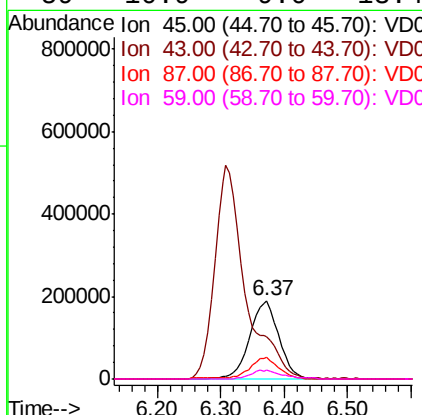
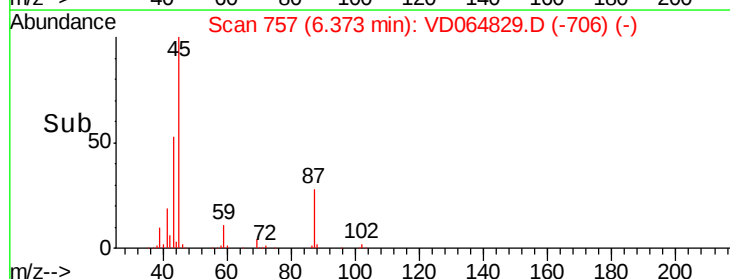
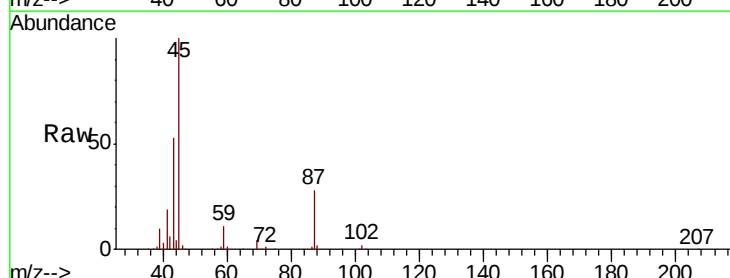
Instrument :
MSVOA_D
ClientSampleID :

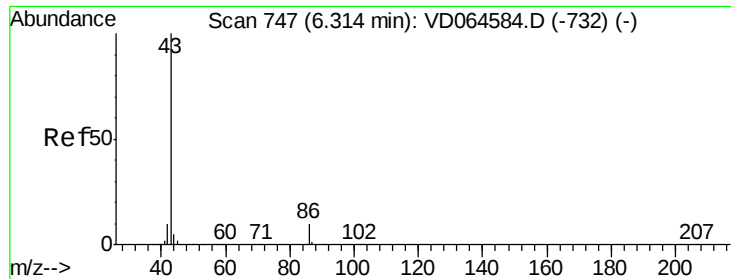
Tot Ion: 96 Resp: 197889
Ion Ratio Lower Upper
96 100
61 133.6 104.7 157.1
98 66.4 49.4 74.2



#22
Diisopropyl ether
Concen: 62.160 ug/l
RT: 6.37 min Scan# 757
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Tgt Ion: 45 Resp: 614731
Ion Ratio Lower Upper
45 100
43 52.5 43.2 64.8
87 27.6 21.9 32.9
59 10.9 9.0 13.4





#23

Vinyl Acetate

Concen: 313.189 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

Instrument :

MSVOA_D

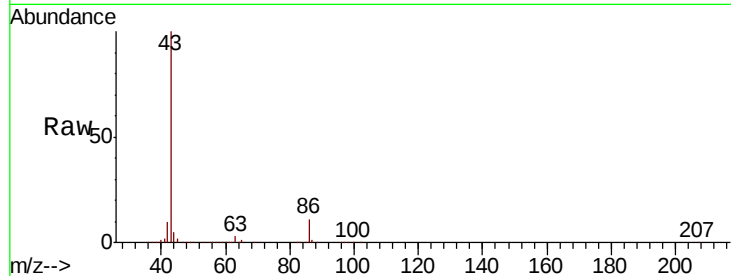
ClientSampleId :

Tot Ion: 43 Resp: 1756981

Ion Ratio Lower Upper

43 100

86 10.6 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

600000

500000

400000

300000

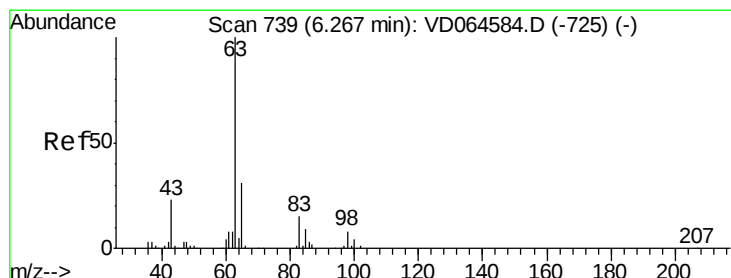
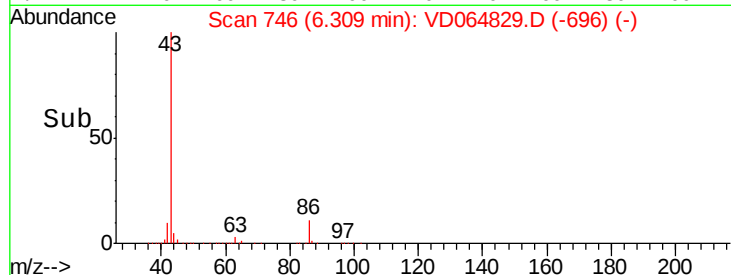
200000

100000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 59.489 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

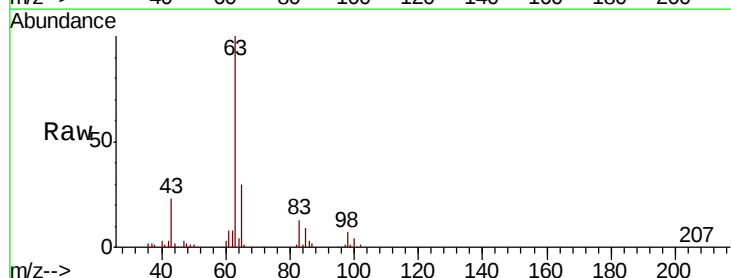
Tgt Ion: 63 Resp: 353186

Ion Ratio Lower Upper

63 100

98 7.0 4.1 12.3

100 4.3 2.2 6.6



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

150000

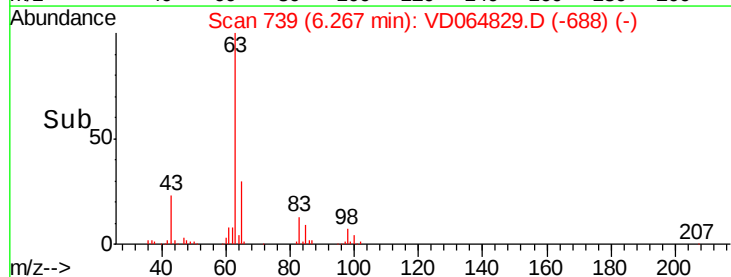
100000

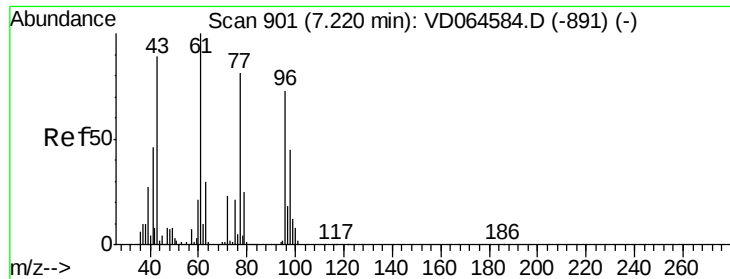
50000

0

6.10 6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 316.444 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

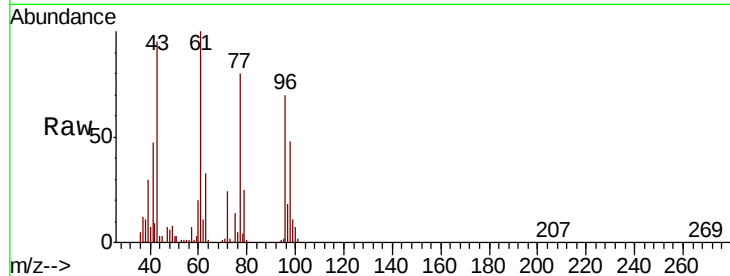
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 277245

Ion Ratio Lower Upper

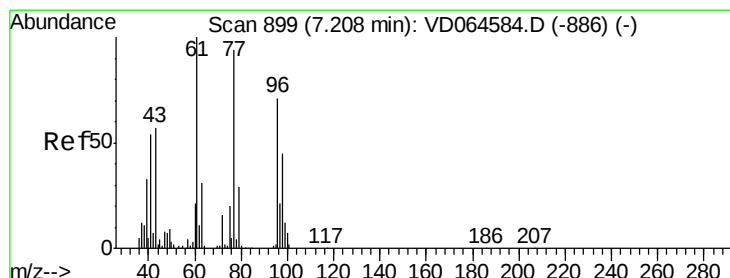
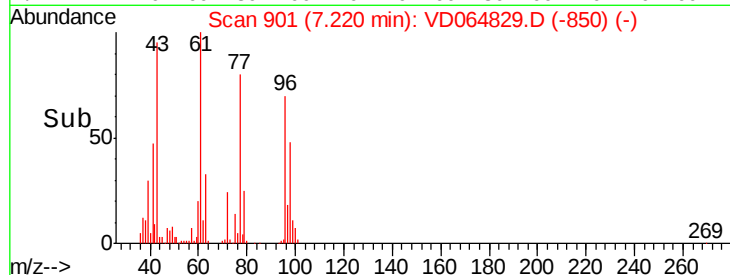
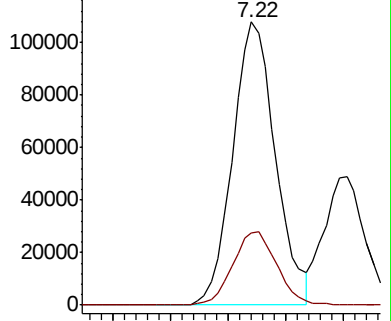
43 100

72 25.4 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 54.228 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064829.D

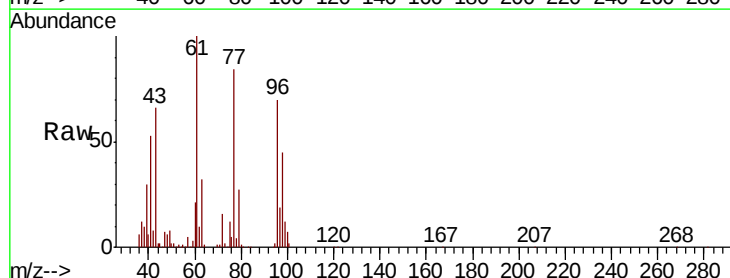
Acq: 09 Jan 2020 21:16

Tgt Ion: 77 Resp: 299340

Ion Ratio Lower Upper

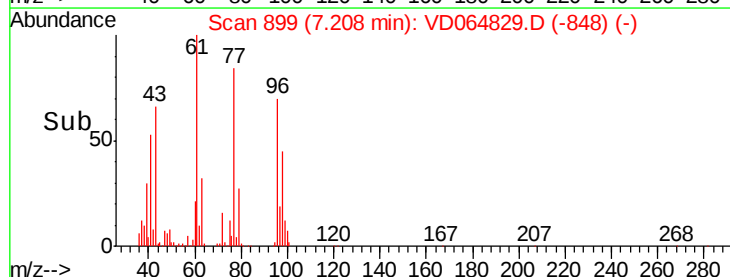
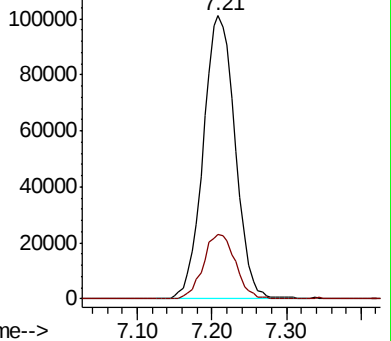
77 100

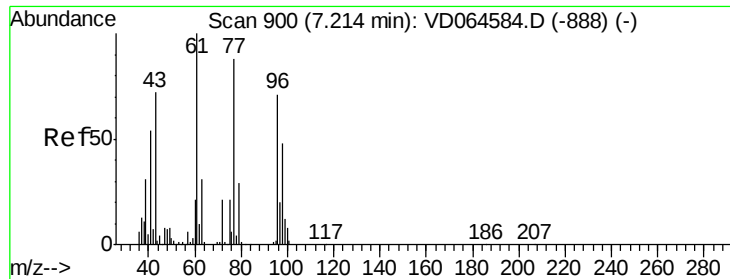
97 22.9 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



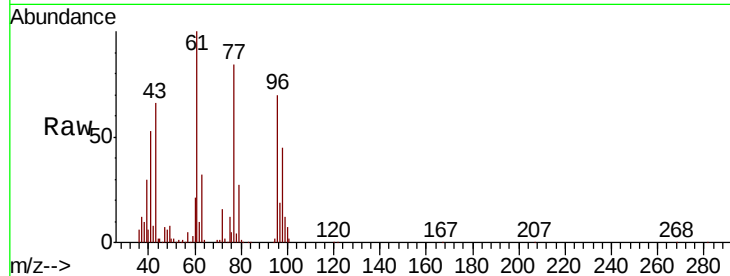


#27

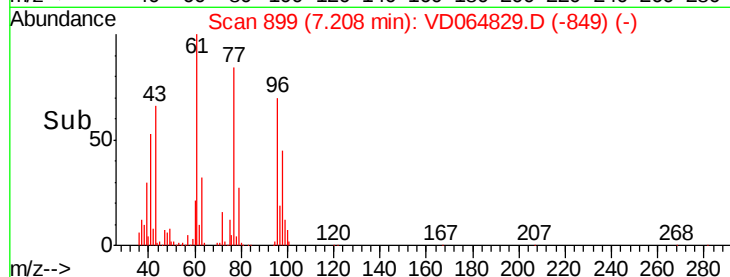
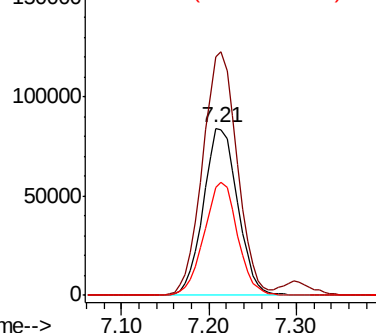
cis-1,2-Dichloroethene
 Concen: 57.415 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD064829.D
 Acq: 09 Jan 2020 21:16

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 96 Resp: 224415
 Ion Ratio Lower Upper
 96 100
 61 147.1 0.0 282.6
 98 65.7 0.0 130.8



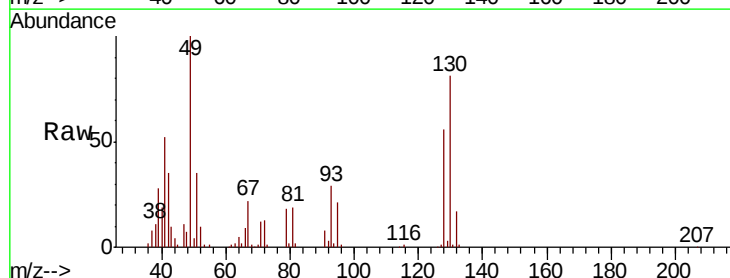
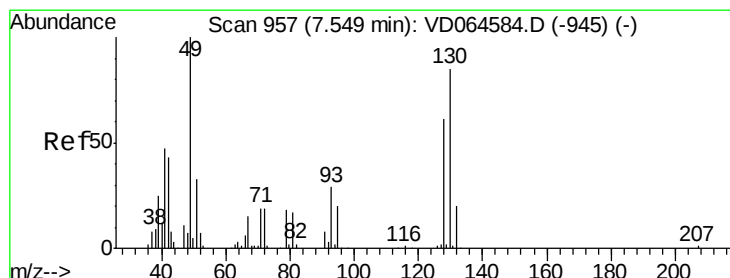
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



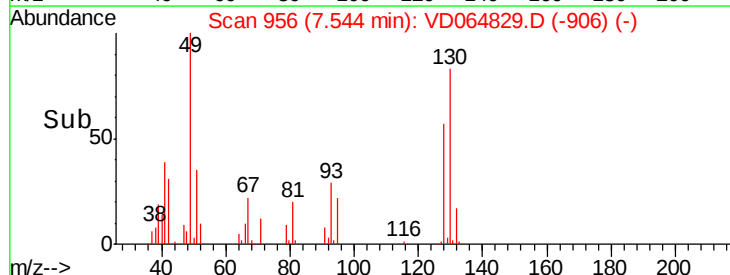
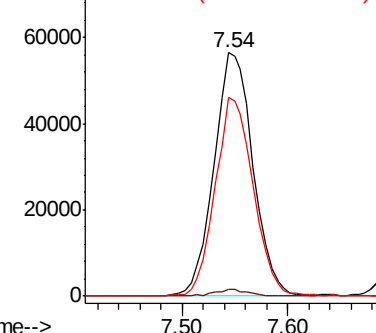
#28

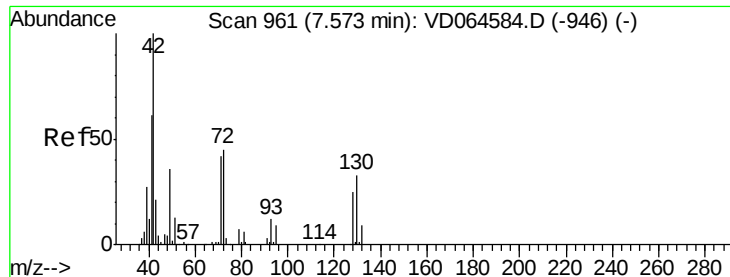
Bromochloromethane
 Concen: 62.749 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD064829.D
 Acq: 09 Jan 2020 21:16

Tgt Ion: 49 Resp: 144819
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 4.8
 130 79.8 65.0 97.6



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





#29

Tetrahydrofuran

Concen: 315.383 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

Instrument :
MSVOA_D
ClientSampleId :

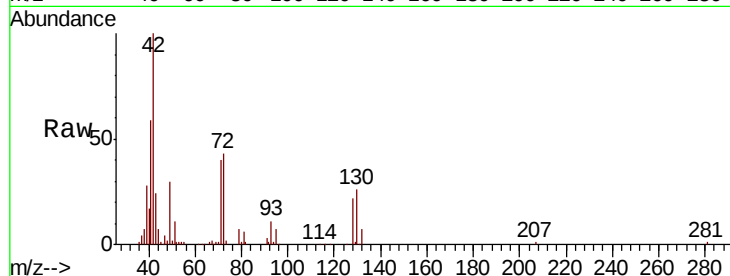
Tot Ion: 42 Resp: 171834

Ion Ratio Lower Upper

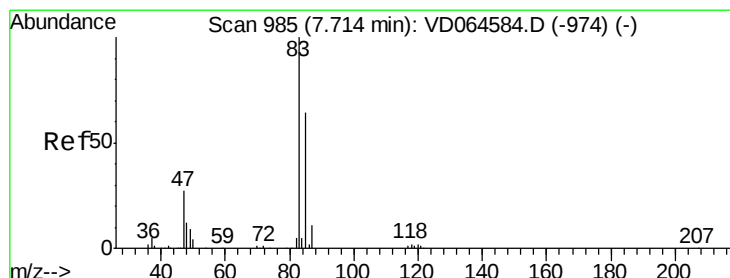
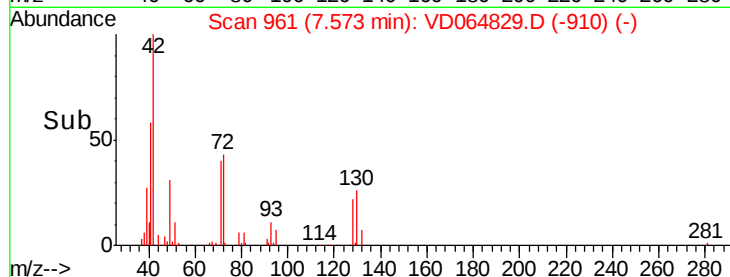
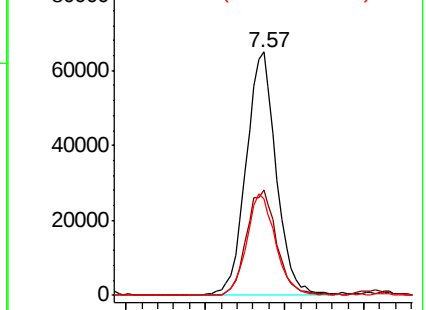
42 100

72 43.4 35.0 52.4

71 40.1 32.9 49.3



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



#30

Chloroform

Concen: 60.609 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064829.D

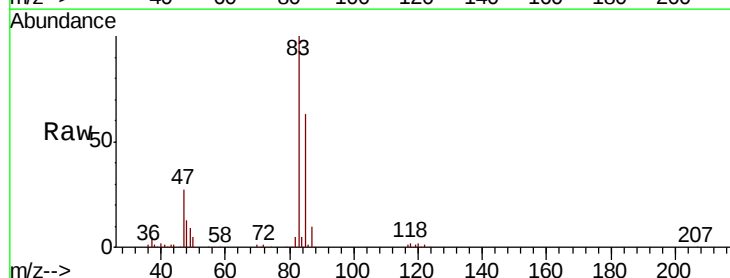
Acq: 09 Jan 2020 21:16

Tgt Ion: 83 Resp: 377531

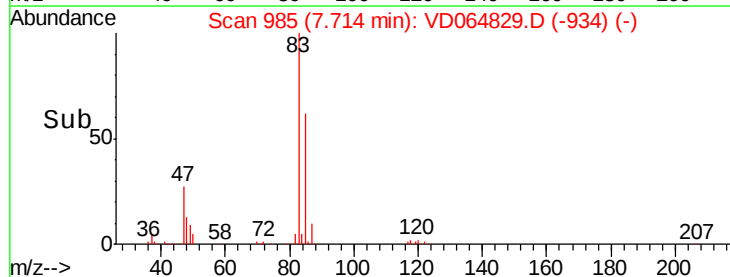
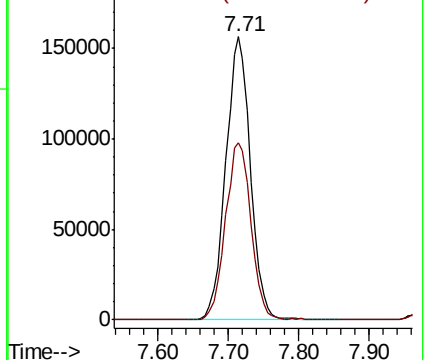
Ion Ratio Lower Upper

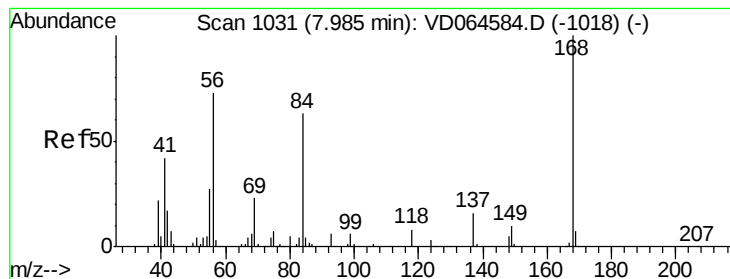
83 100

85 62.6 51.1 76.7



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





#31

Cyclohexane

Concen: 49.718 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

Instrument :
MSVOA_D
ClientSampleId :

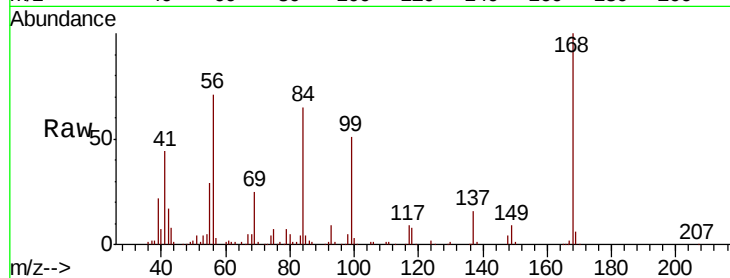
Tot Ion: 56 Resp: 295474

Ion Ratio Lower Upper

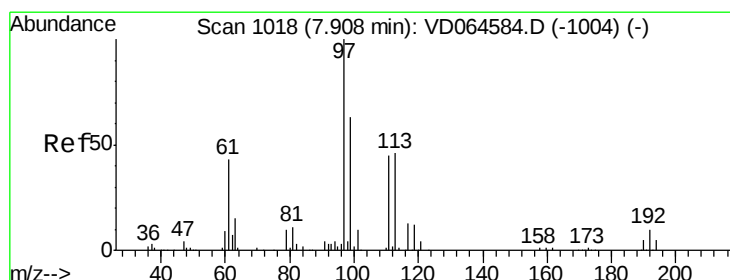
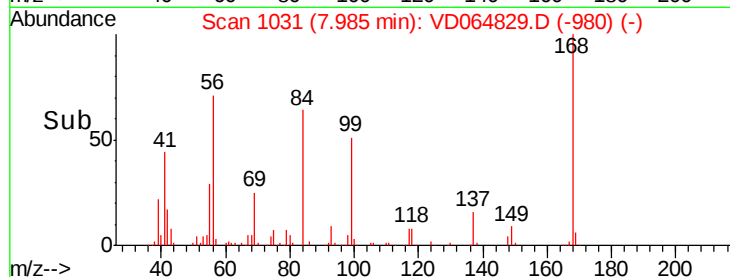
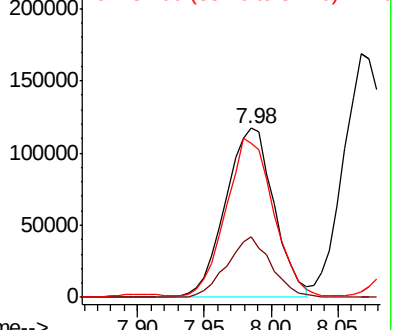
56 100

69 35.7 24.7 37.1

84 89.5 69.4 104.2



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



#32

1,1,1-Trichloroethane

Concen: 56.610 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

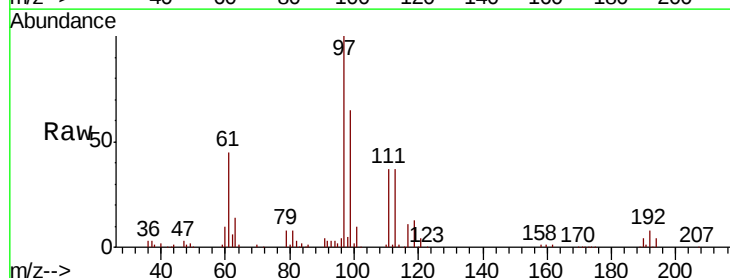
Tgt Ion: 97 Resp: 331205

Ion Ratio Lower Upper

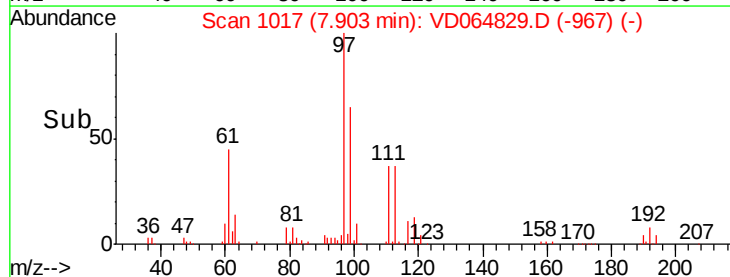
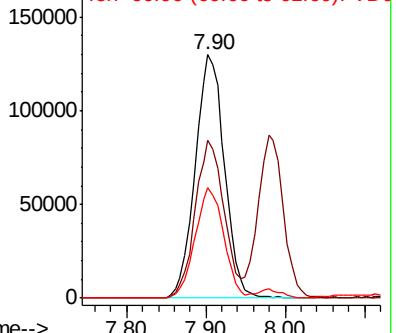
97 100

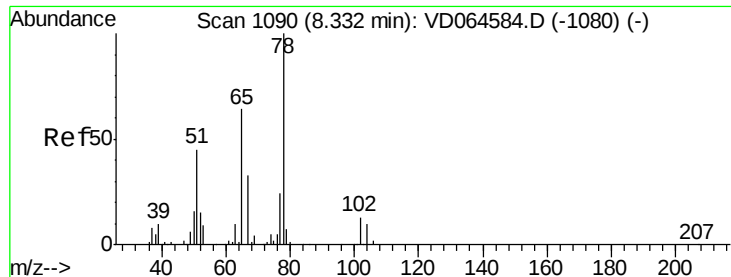
99 63.9 51.0 76.6

61 44.6 35.4 53.0



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

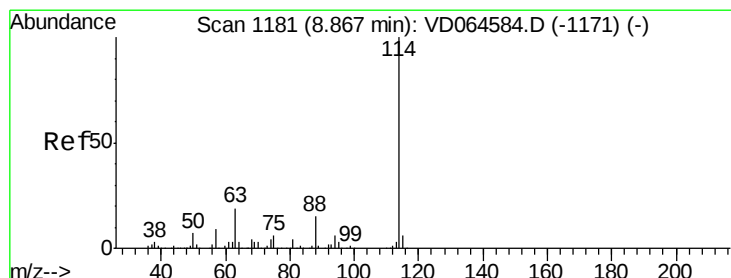
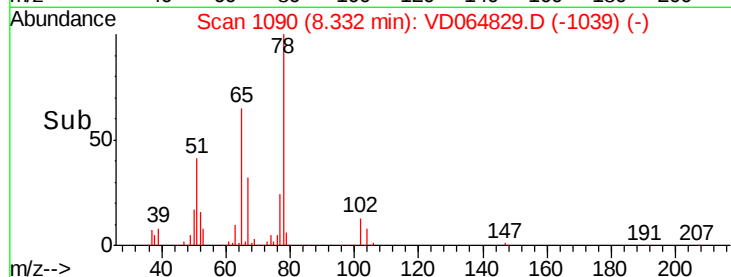
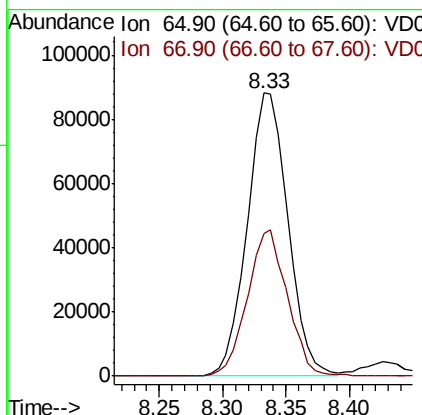
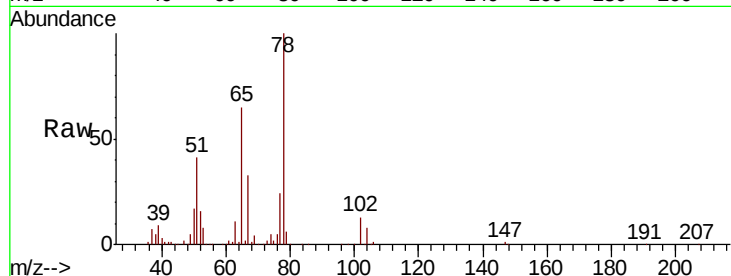




#33
 1,2-Dichloroethane-d4
 Concen: 61.760 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064829.D
 Acq: 09 Jan 2020 21:16

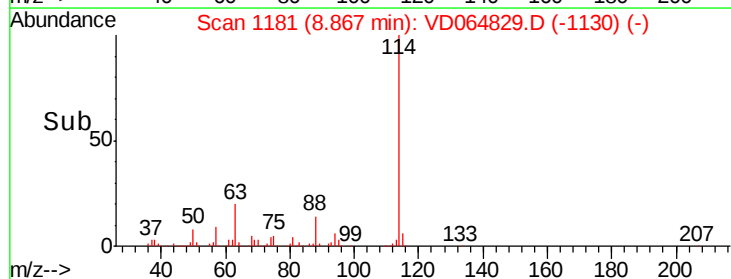
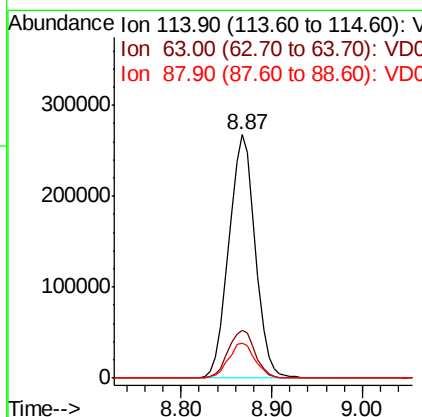
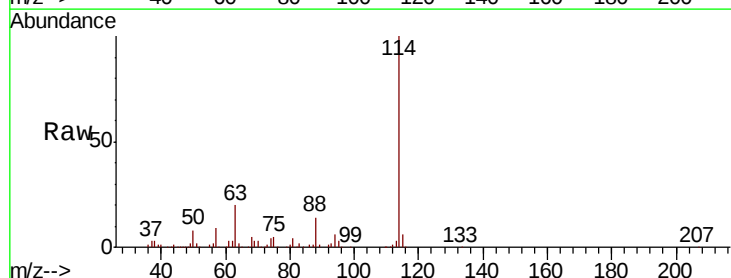
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 65 Resp: 196852
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064829.D
 Acq: 09 Jan 2020 21:16

Tgt Ion: 114 Resp: 541761
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.0
 88 14.5 0.0 29.2

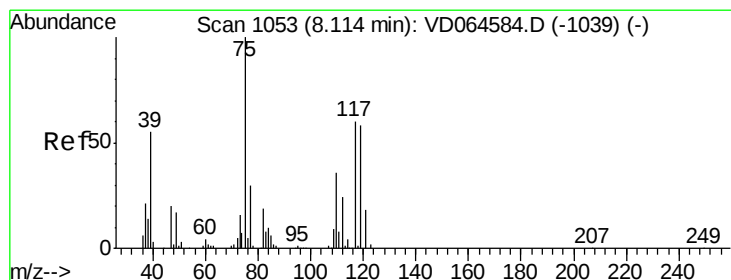
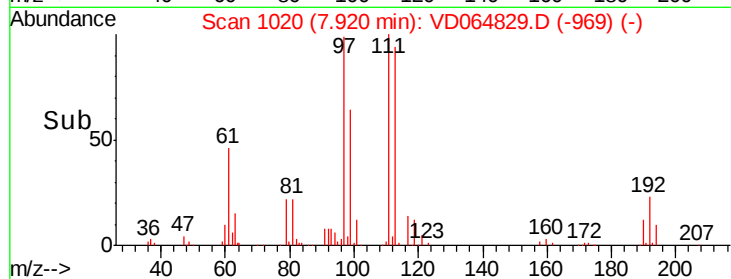
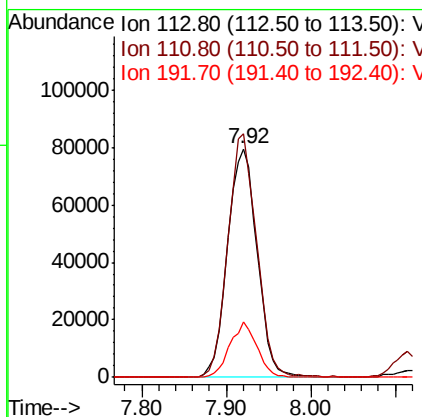
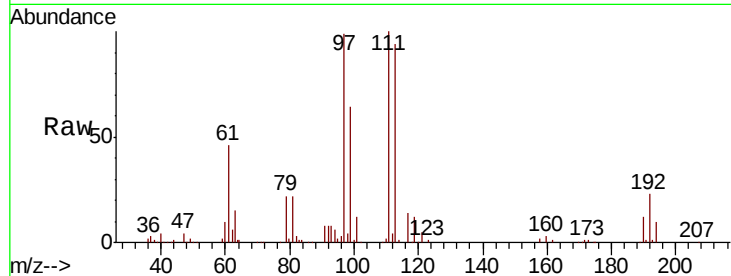




#35
 Dibromofluoromethane
 Concen: 57.662 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064829.D
 Acq: 09 Jan 2020 21:16

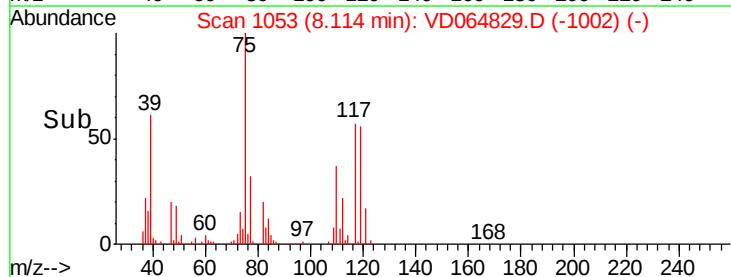
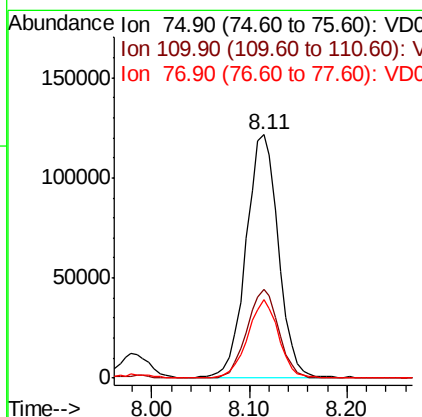
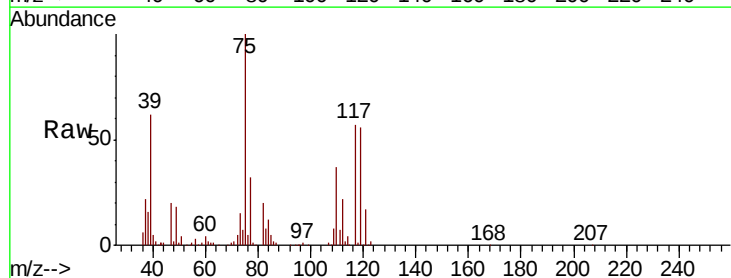
Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:113 Resp: 191656
 Ion Ratio Lower Upper
 113 100
 111 103.4 80.6 121.0
 192 22.1 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 53.851 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064829.D
 Acq: 09 Jan 2020 21:16

Tgt Ion: 75 Resp: 280803
 Ion Ratio Lower Upper
 75 100
 110 35.8 18.1 54.1
 77 31.1 24.2 36.4

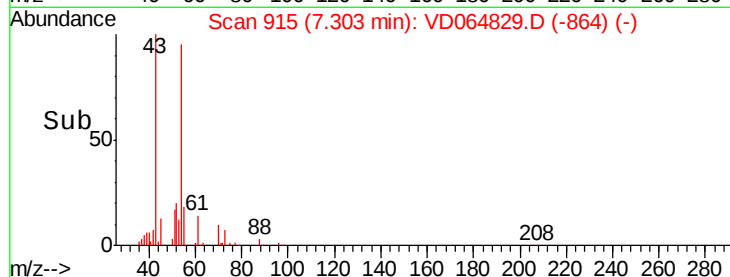
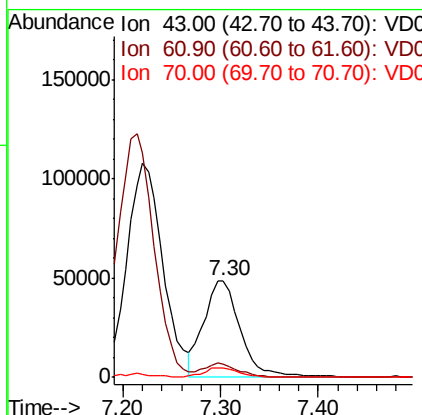
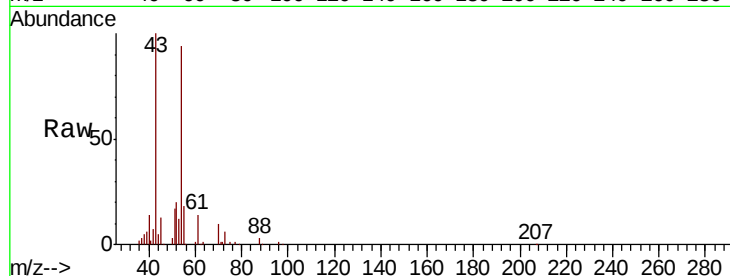




#37
Ethyl Acetate
Concen: 60.356 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

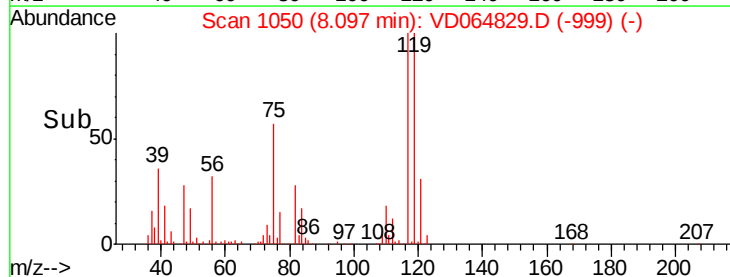
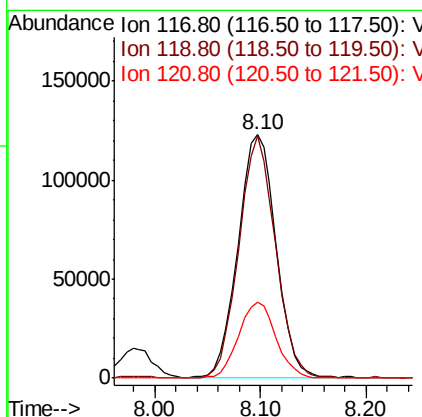
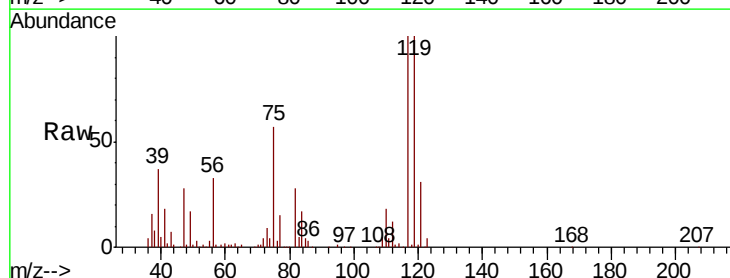
Instrument :
MSVOA_D
ClientSampleId :

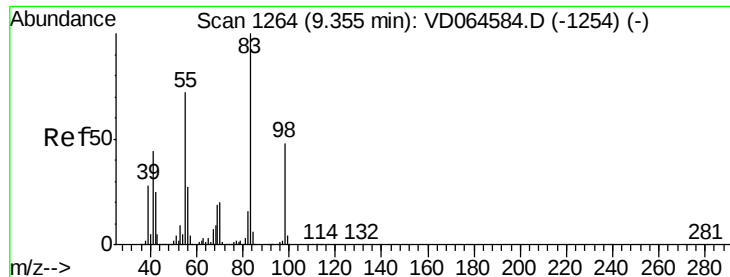
Tot Ion: 43 Resp: 123638
Ion Ratio Lower Upper
43 100
61 12.7 10.3 15.5
70 10.0 7.6 11.4



#38
Carbon Tetrachloride
Concen: 55.106 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Tgt Ion: 117 Resp: 306397
Ion Ratio Lower Upper
117 100
119 99.7 77.3 115.9
121 31.4 25.0 37.6

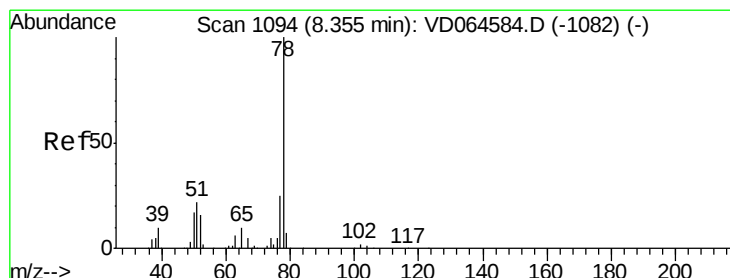
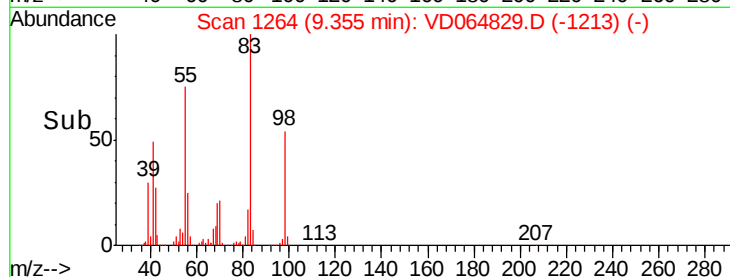
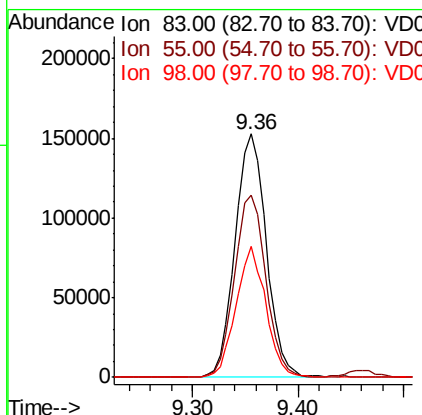
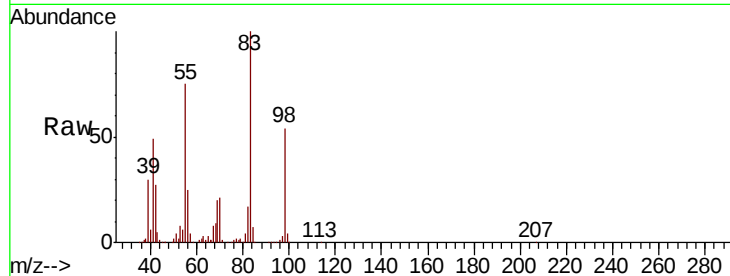




#39
Methvlcvclohexane
Concen: 49.689 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

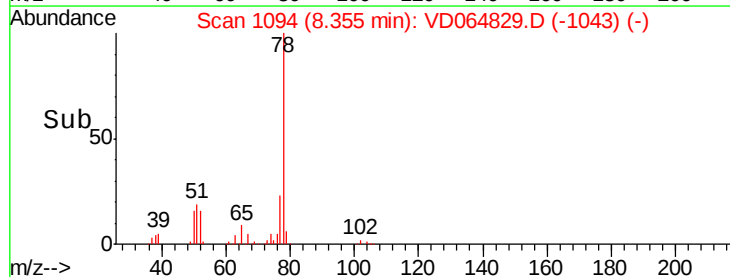
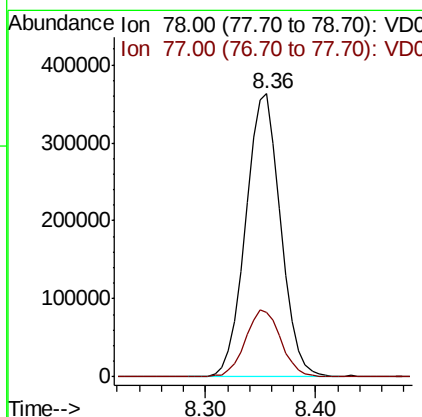
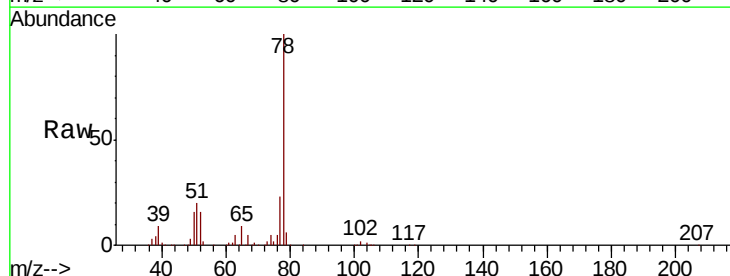
Instrument :
MSVOA_D
ClientSampleId :

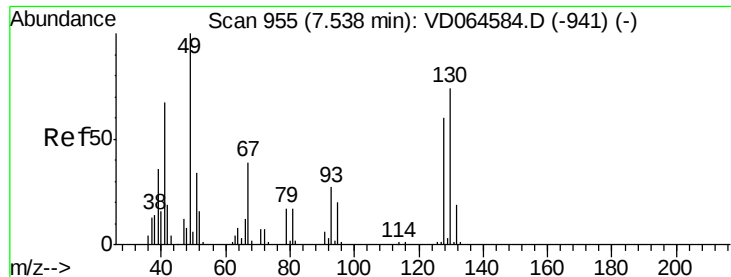
Tot Ion: 83 Resp: 313815
Ion Ratio Lower Upper
83 100
55 74.7 57.8 86.6
98 53.6 38.7 58.1



#40
Benzene
Concen: 56.795 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Tgt Ion: 78 Resp: 808466
Ion Ratio Lower Upper
78 100
77 22.8 19.9 29.9

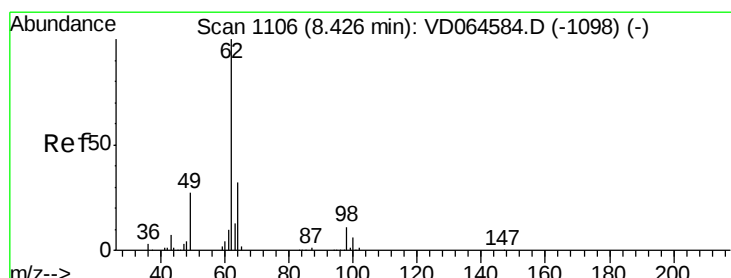
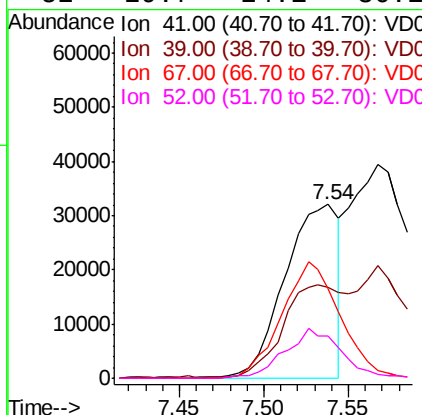
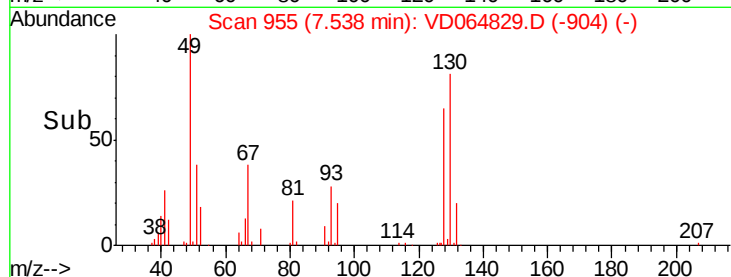
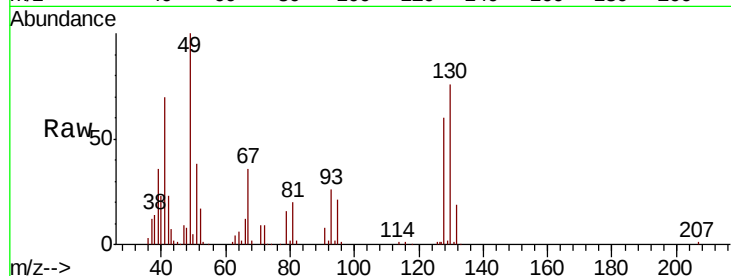




#41
Methacrylonitrile
Concen: 60.238 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

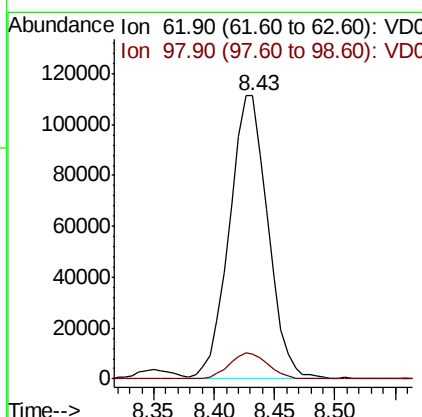
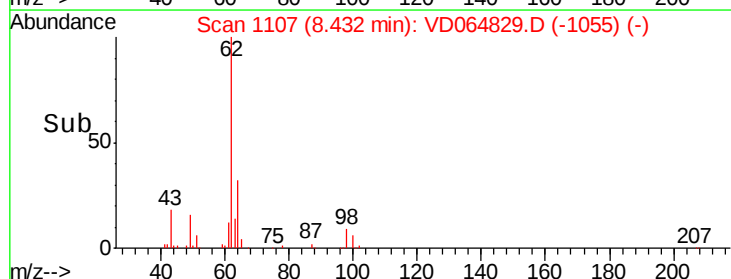
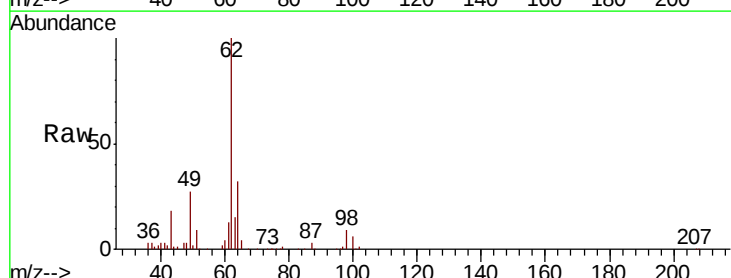
Instrument :
MSVOA_D
ClientSampled :

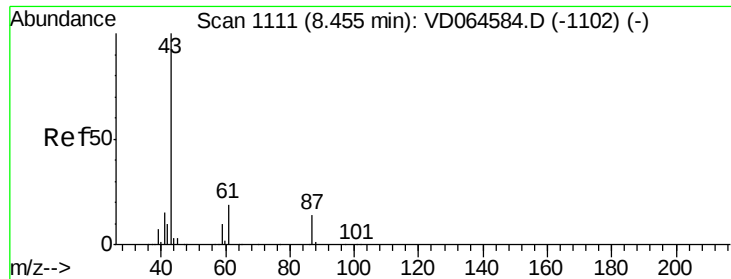
Tot Ion: 41 Resp: 71595
Ion Ratio Lower Upper
41 100
39 62.7 46.7 70.1
67 72.2 52.5 78.7
52 29.7 24.1 36.1



#42
1,2-Dichloroethane
Concen: 59.743 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Tgt Ion: 62 Resp: 245754
Ion Ratio Lower Upper
62 100
98 9.3 0.0 20.0





#43

Isopropyl Acetate

Concen: 59.317 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

Instrument :

MSVOA_D

ClientSampleId :

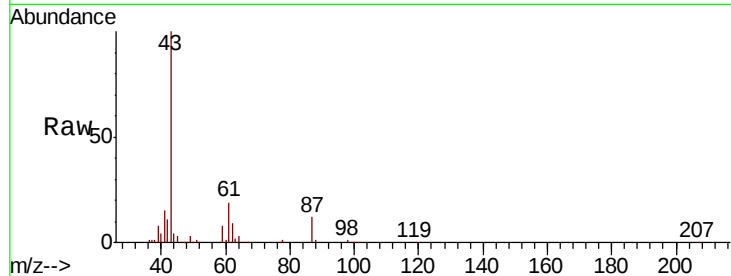
Tot Ion: 43 Resp: 241859

Ion Ratio Lower Upper

43 100

61 29.4 23.7 35.5

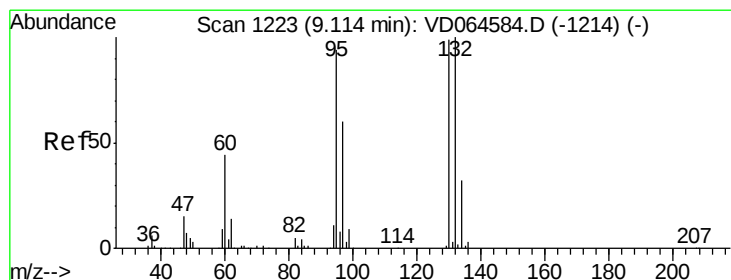
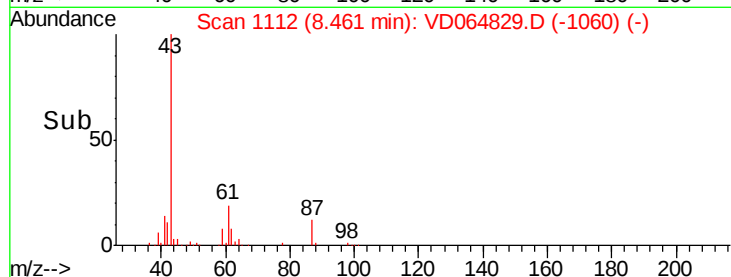
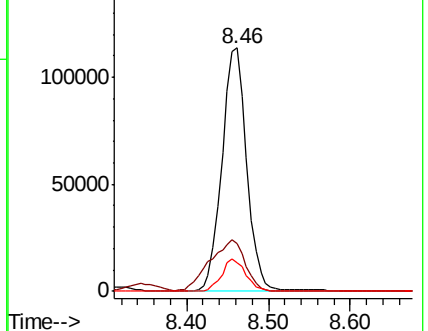
87 12.9 10.5 15.7



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: 53.708 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064829.D

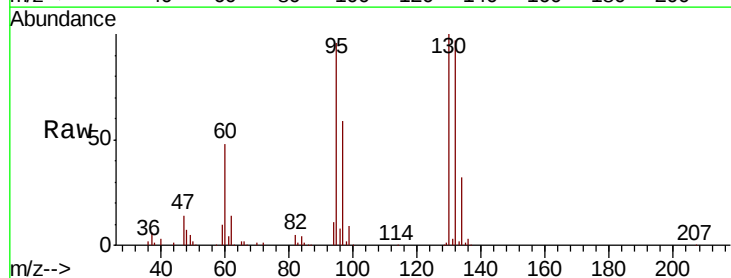
Acq: 09 Jan 2020 21:16

Tgt Ion: 130 Resp: 224592

Ion Ratio Lower Upper

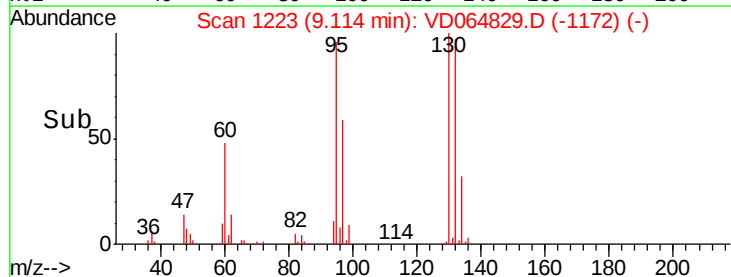
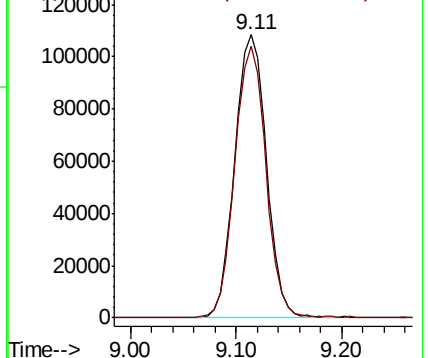
130 100

95 95.8 0.0 190.2



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

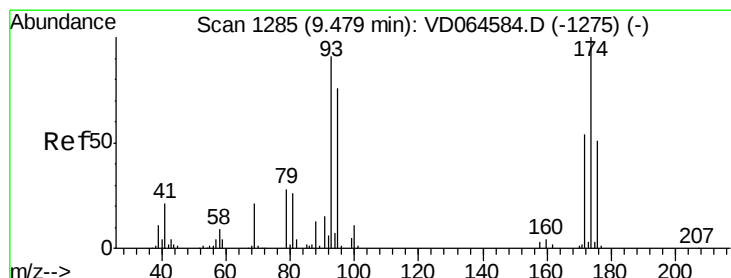
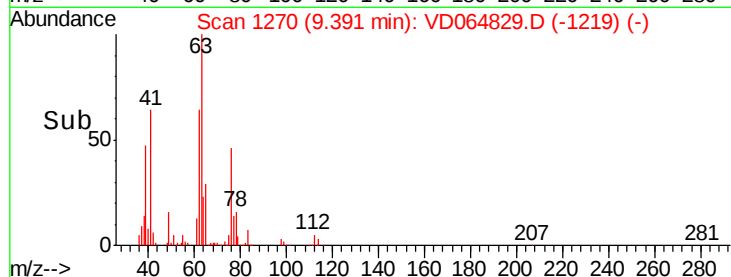
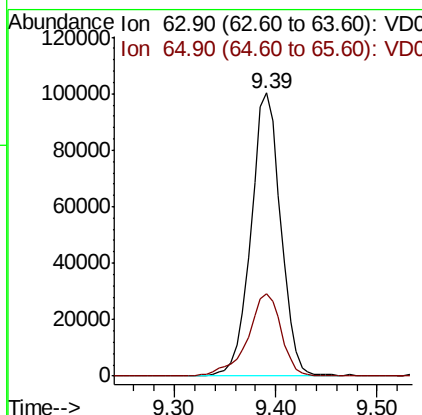
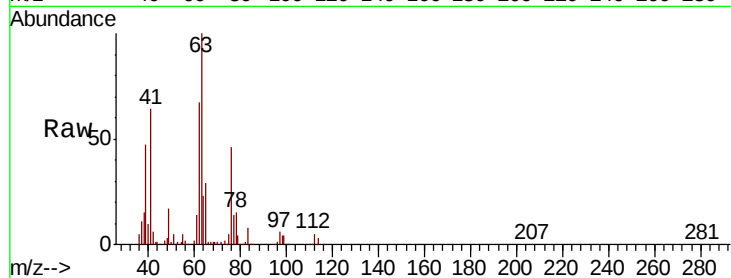




#45
 1,2-Dichloropropane
 Concen: 60.160 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064829.D
 Acq: 09 Jan 2020 21:16

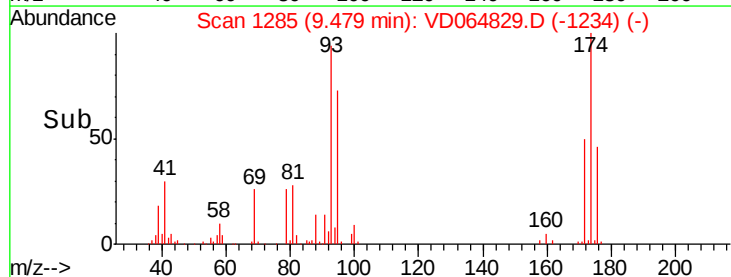
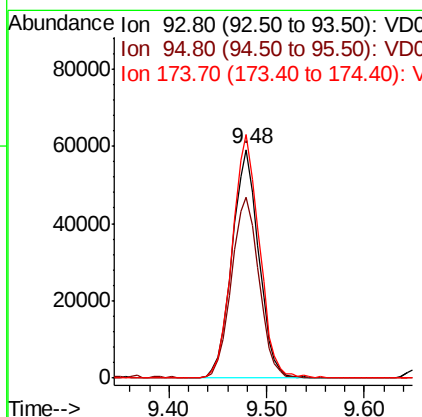
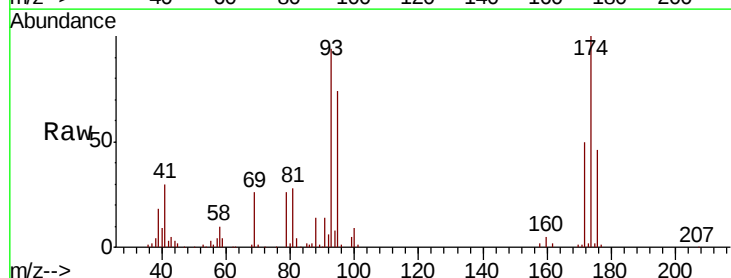
Instrument :
 MSVOA_D
 ClientSampled :

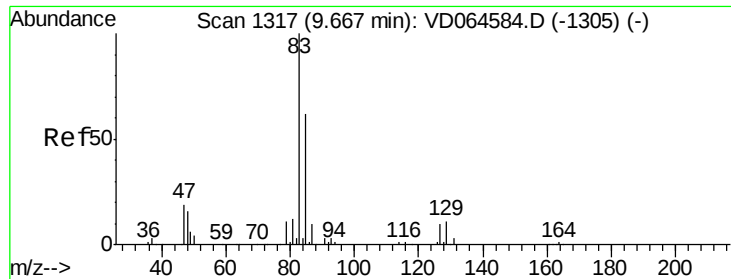
Tot Ion: 63 Resp: 204469
 Ion Ratio Lower Upper
 63 100
 65 28.9 25.2 37.8



#46
 Dibromomethane
 Concen: 59.521 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064829.D
 Acq: 09 Jan 2020 21:16

Tgt Ion: 93 Resp: 112787
 Ion Ratio Lower Upper
 93 100
 95 81.4 64.6 97.0
 174 107.7 88.1 132.1





#47

Bromodichloromethane

Concen: 59.125 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

Instrument :

MSVOA_D

ClientSampleId :

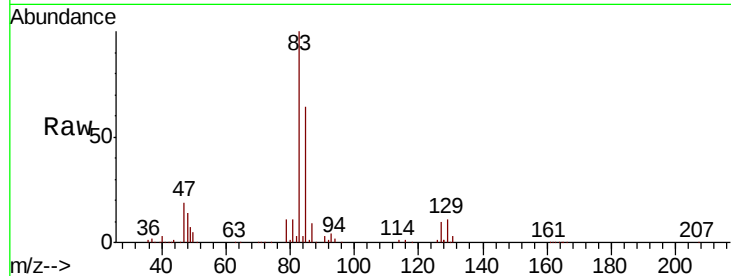
Tot Ion: 83 Resp: 298129

Ion Ratio Lower Upper

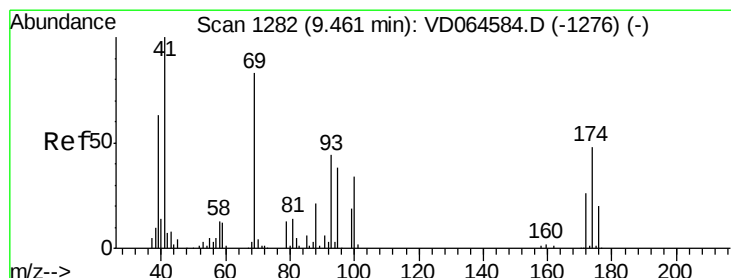
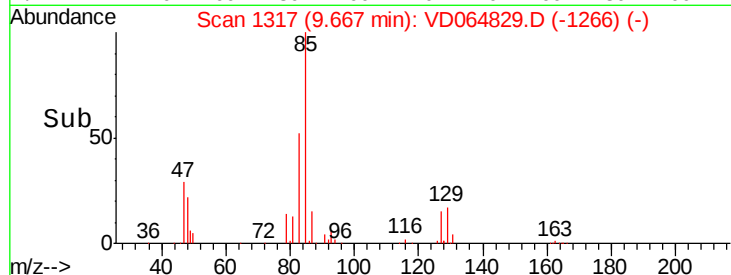
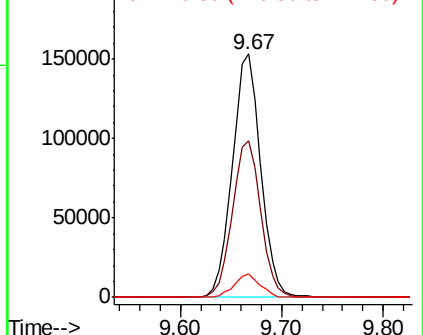
83 100

85 64.3 49.5 74.3

127 9.6 7.8 11.6



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: 58.594 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

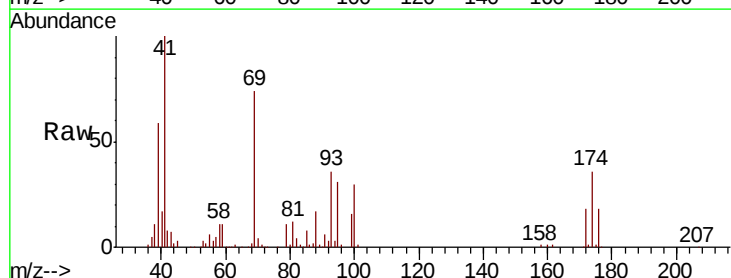
Tgt Ion: 41 Resp: 112491

Ion Ratio Lower Upper

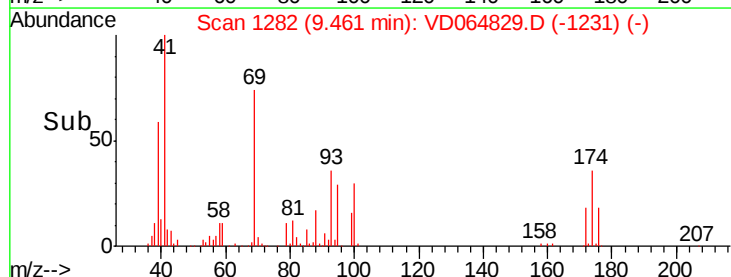
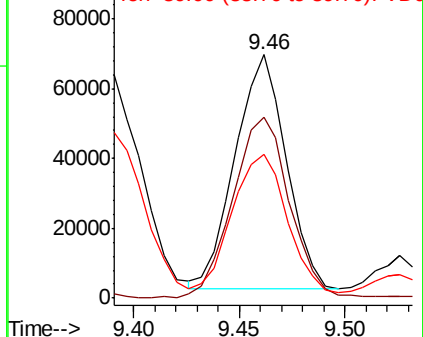
41 100

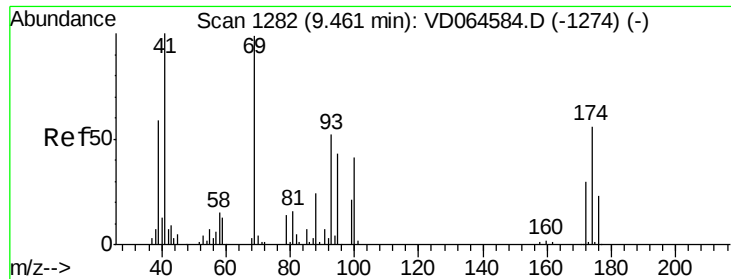
69 87.2 63.0 94.6

39 68.4 47.4 71.2



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

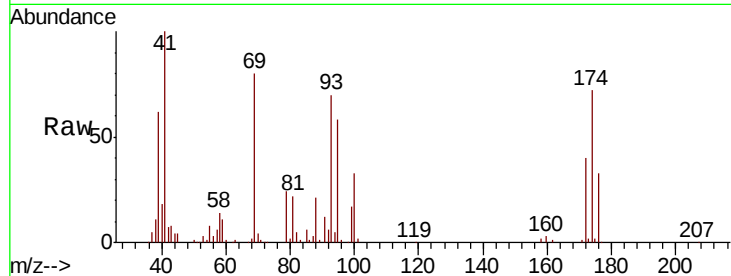




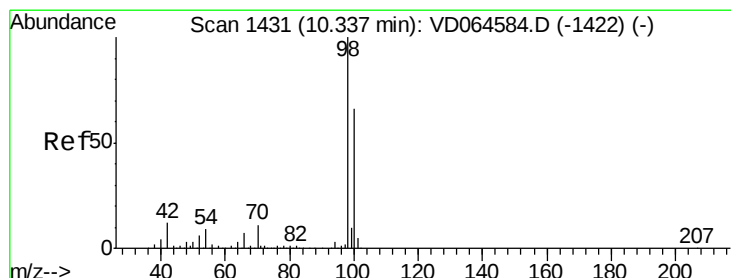
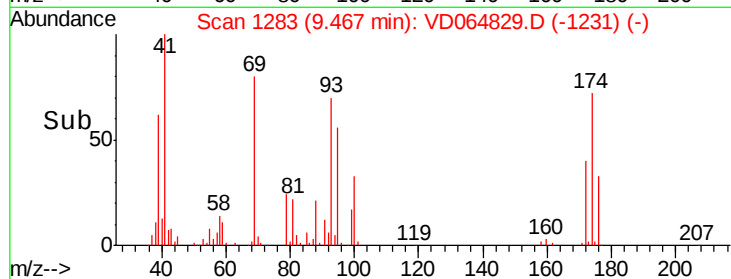
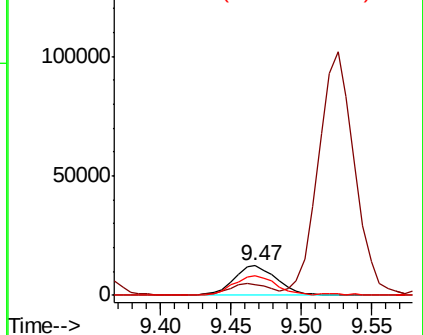
#49
1,4-Dioxane
Concen: 1208.207 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 26399
Ion Ratio Lower Upper
88 100
43 36.3 27.7 41.5
58 66.5 53.8 80.6

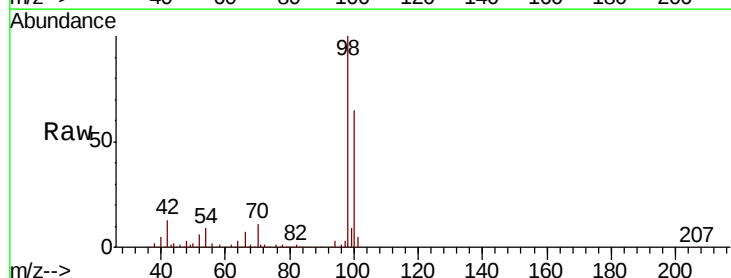


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

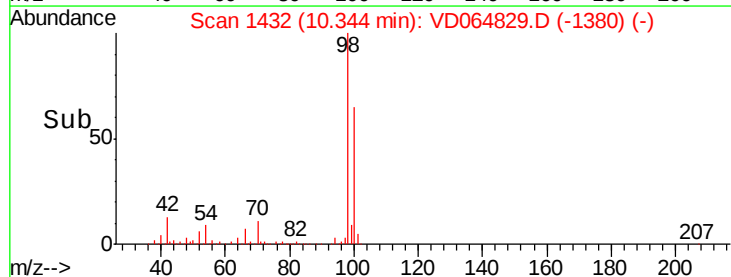
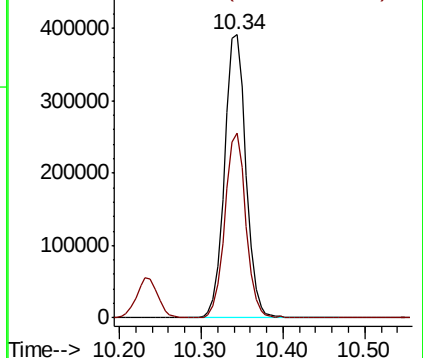


#50
Toluene-d8
Concen: 56.086 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Tgt Ion: 98 Resp: 713957
Ion Ratio Lower Upper
98 100
100 63.7 51.7 77.5



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: 313.371 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

Instrument :

MSVOA_D

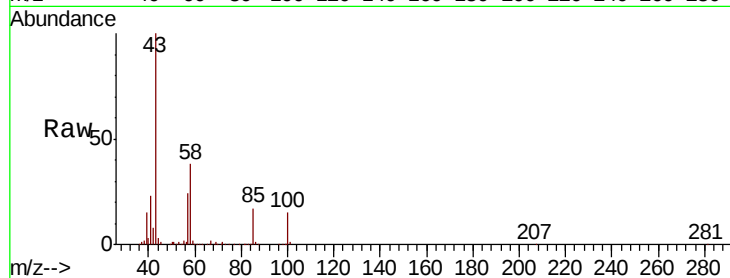
ClientSampled :

Tot Ion: 43 Resp: 631554

Ion Ratio Lower Upper

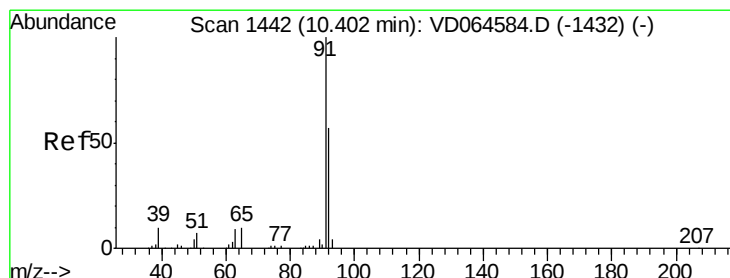
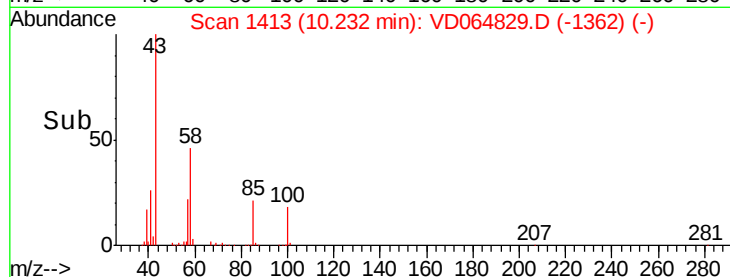
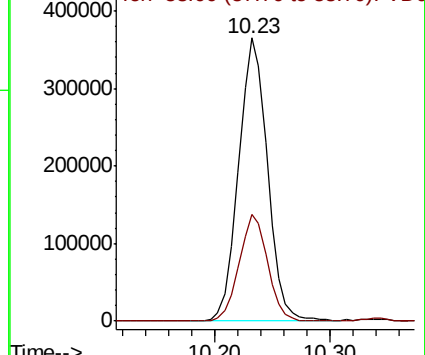
43 100

58 37.2 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 56.057 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD064829.D

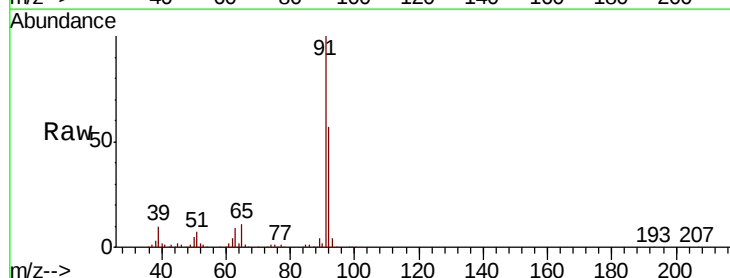
Acq: 09 Jan 2020 21:16

Tgt Ion: 92 Resp: 523525

Ion Ratio Lower Upper

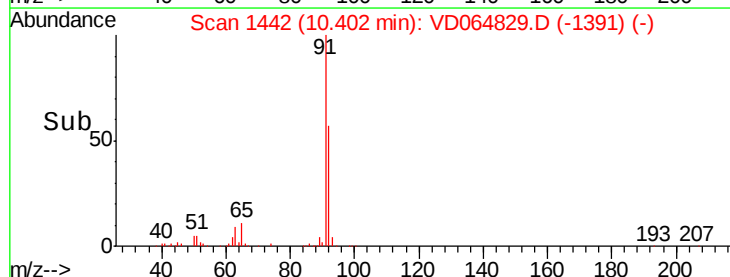
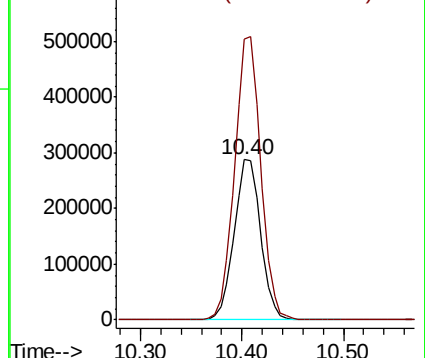
92 100

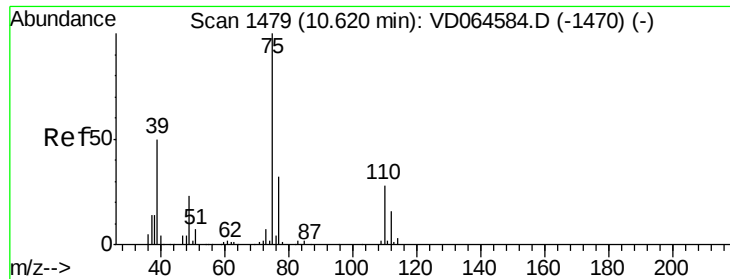
91 174.5 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

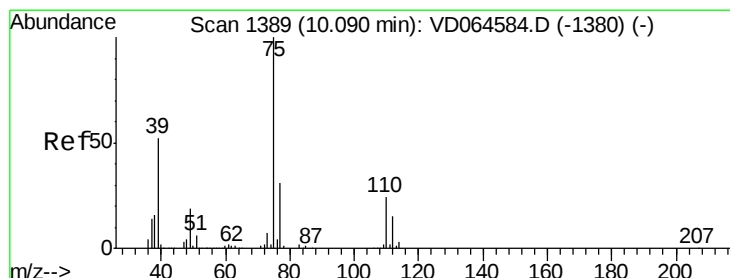
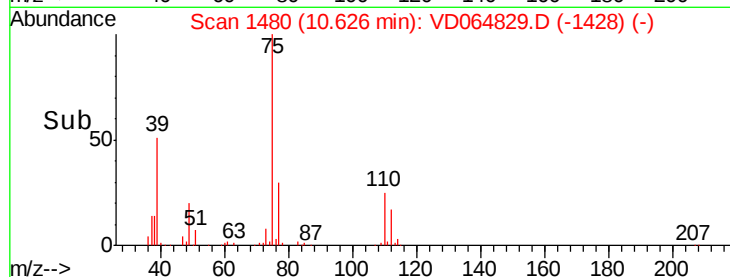
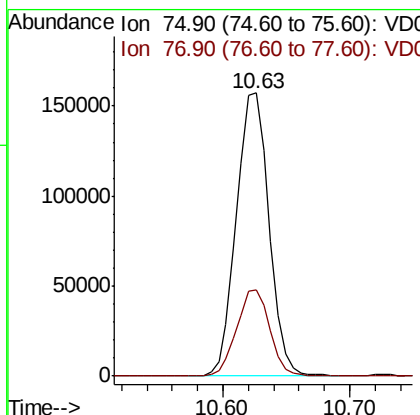
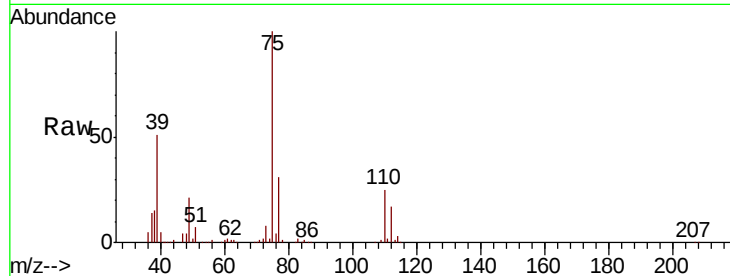




#53
t-1,3-Dichloropropene
Concen: 59.935 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

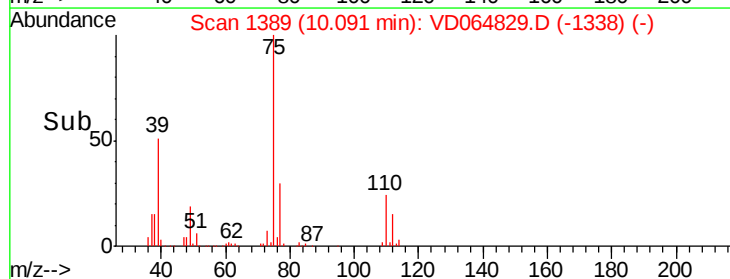
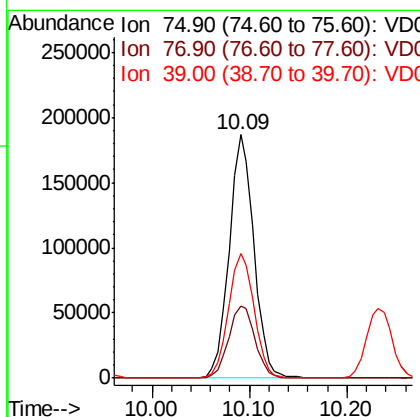
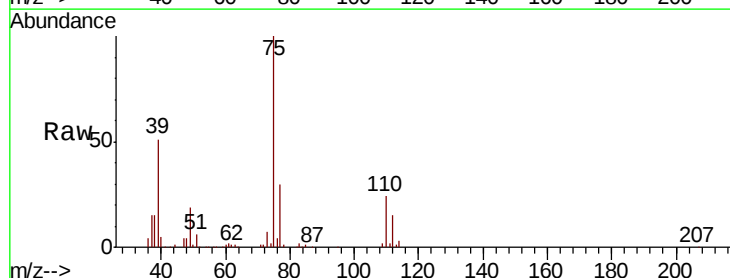
Instrument :
MSVOA_D
ClientSampleId :

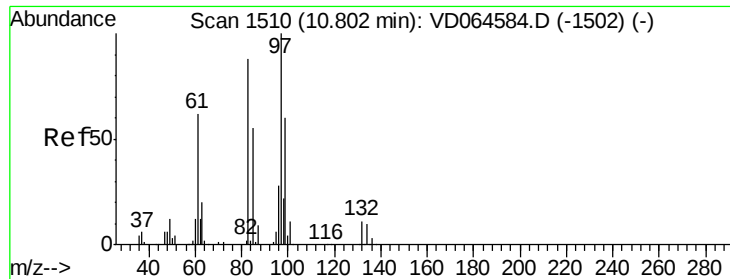
Tot Ion: 75 Resp: 281759
Ion Ratio Lower Upper
75 100
77 30.6 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 58.999 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Tgt Ion: 75 Resp: 327041
Ion Ratio Lower Upper
75 100
77 29.9 24.6 36.8
39 51.0 41.4 62.2

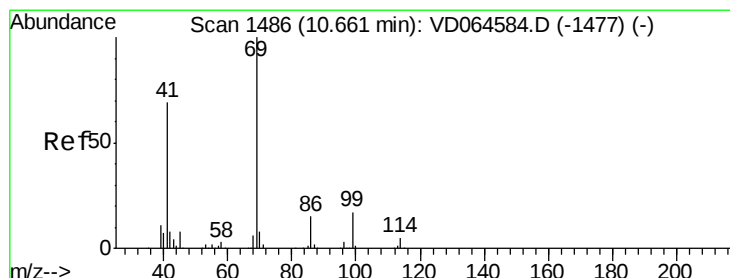
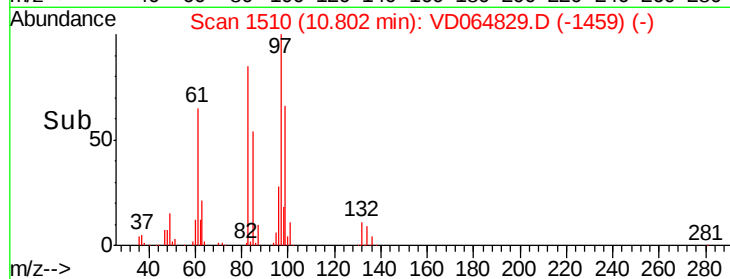
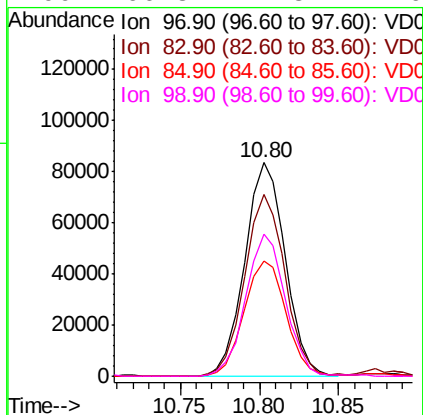
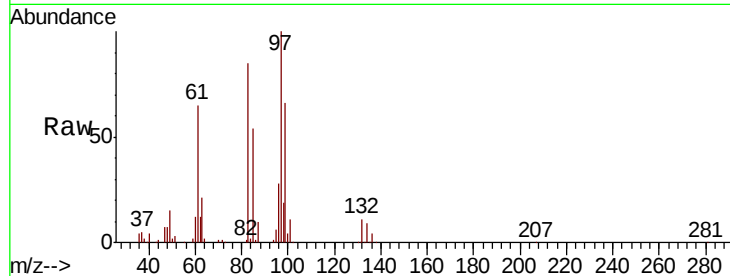




#55
 1,1,2-Trichloroethane
 Concen: 58.184 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064829.D
 Acq: 09 Jan 2020 21:16

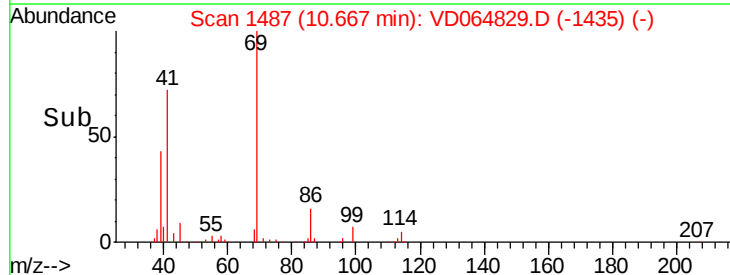
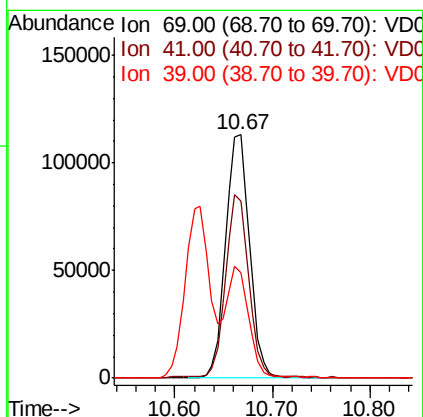
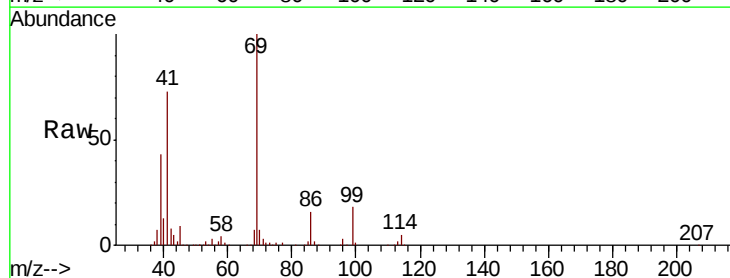
Instrument :
 MSVOA_D
 ClientSampleId :

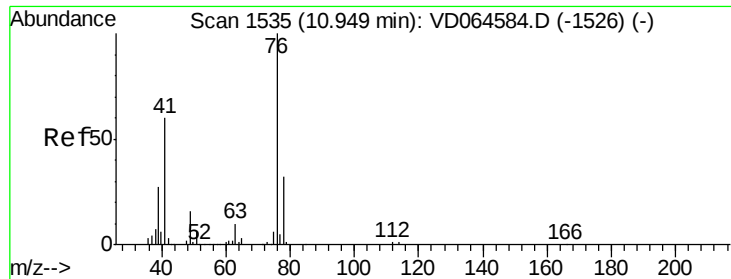
Tot Ion:	97	Resp:	148587
Ion	Ratio	Lower	Upper
97	100		
83	85.3	70.2	105.4
85	53.8	44.0	66.0
99	66.3	47.8	71.6



#56
 Ethyl methacrylate
 Concen: 60.705 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064829.D
 Acq: 09 Jan 2020 21:16

Tgt Ion:	69	Resp:	193607
Ion	Ratio	Lower	Upper
69	100		
41	71.6	55.3	82.9
39	43.2	33.8	50.8

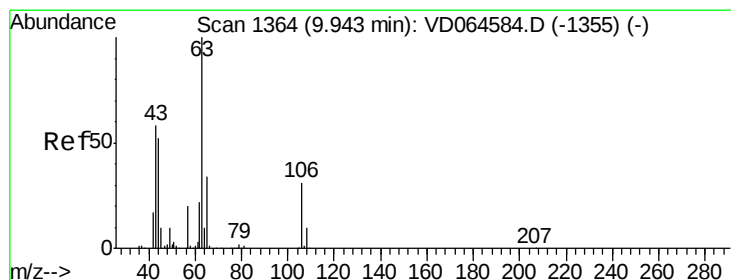
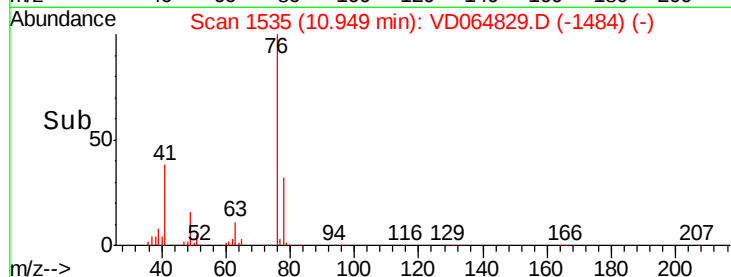
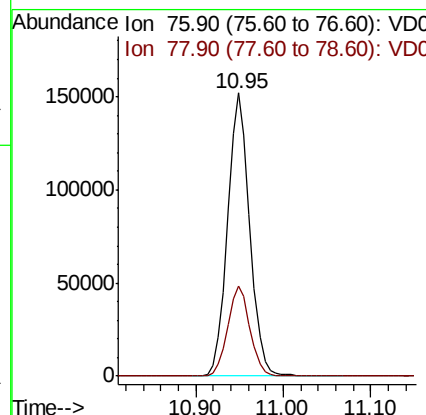
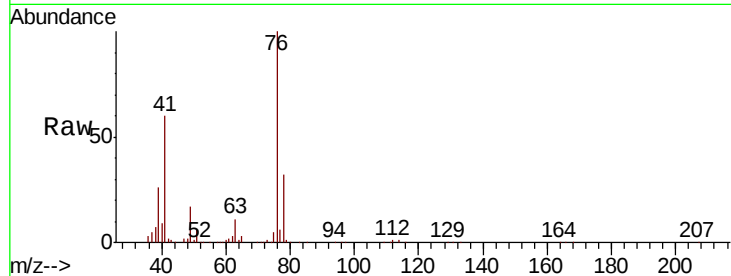




#57
 1,3-Dichloropropane
 Concen: 59.919 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064829.D
 Acq: 09 Jan 2020 21:16

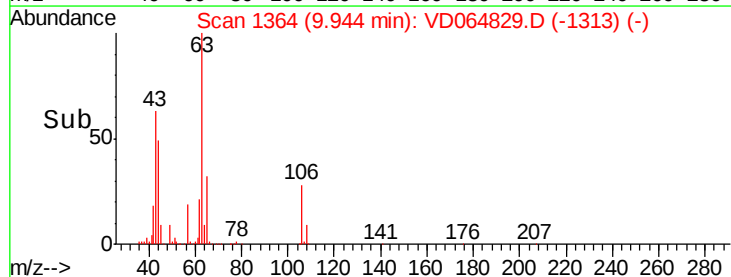
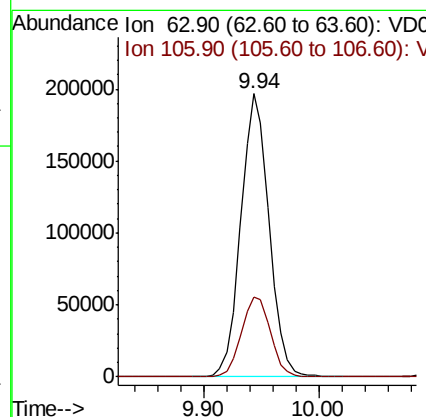
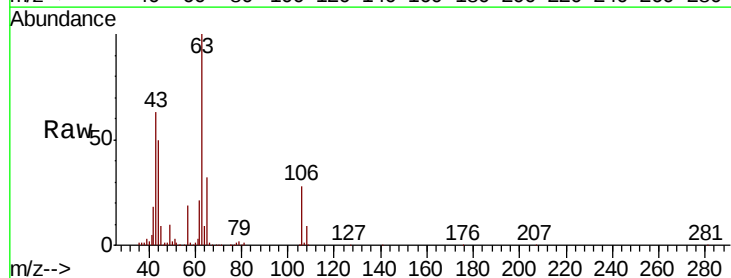
Instrument :
 MSVOA_D
 ClientSampleId :

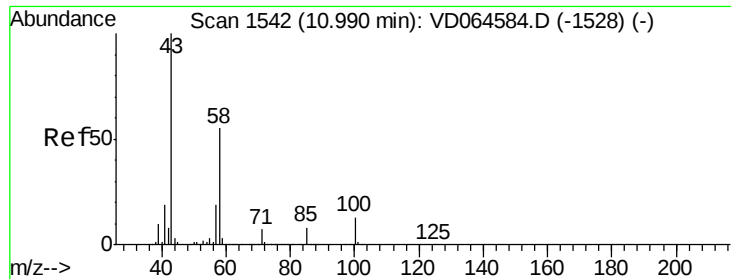
Tot Ion: 76 Resp: 263465
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 273.384 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064829.D
 Acq: 09 Jan 2020 21:16

Tgt Ion: 63 Resp: 332186
 Ion Ratio Lower Upper
 63 100
 106 29.2 23.8 35.8

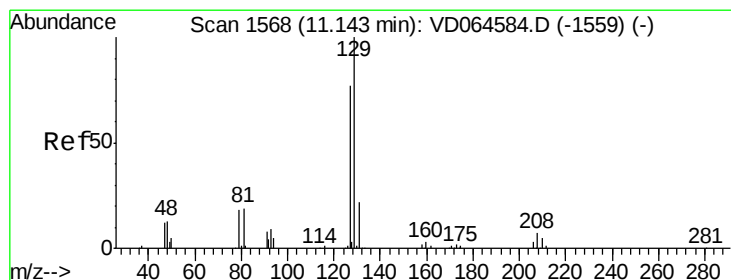
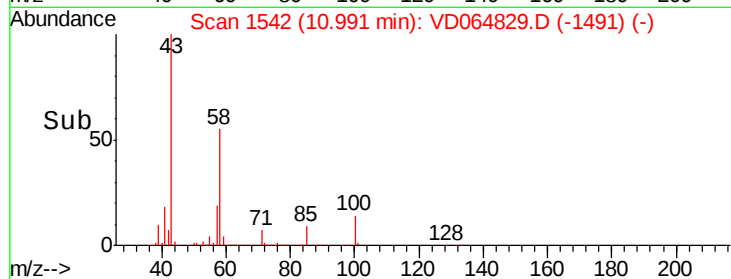
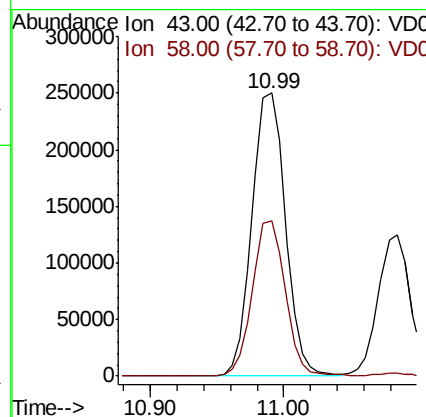
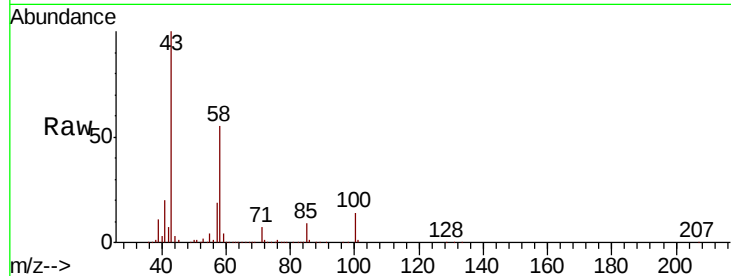




#59
2-Hexanone
Concen: 317.586 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

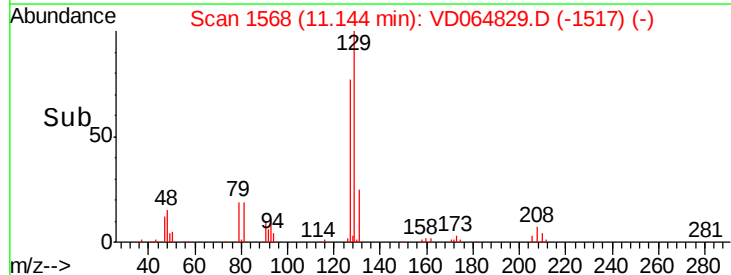
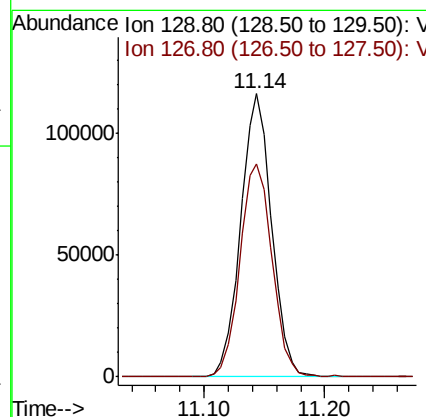
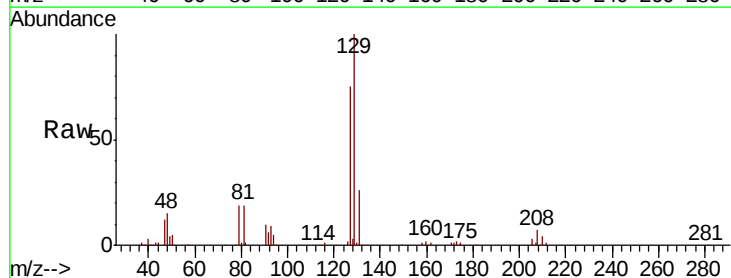
Instrument :
MSVOA_D
ClientSampleId :

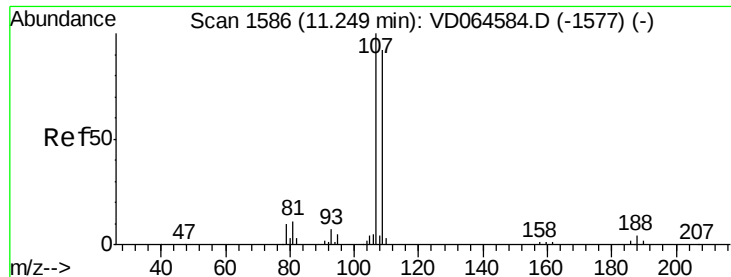
Tot Ion: 43 Resp: 434414
Ion Ratio Lower Upper
43 100
58 53.8 26.4 79.0



#60
Dibromochloromethane
Concen: 58.661 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Tgt Ion: 129 Resp: 207160
Ion Ratio Lower Upper
129 100
127 78.0 38.4 115.2

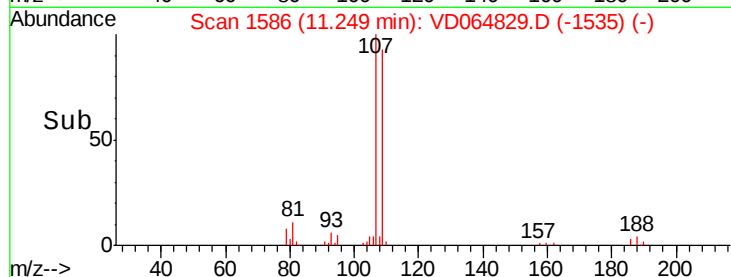
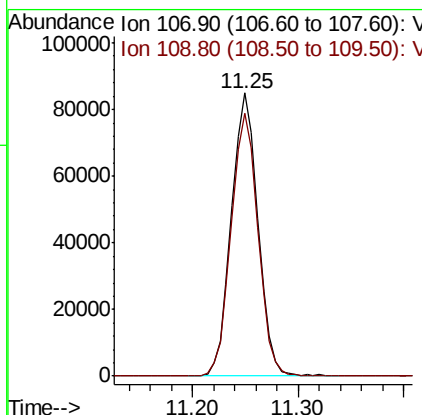
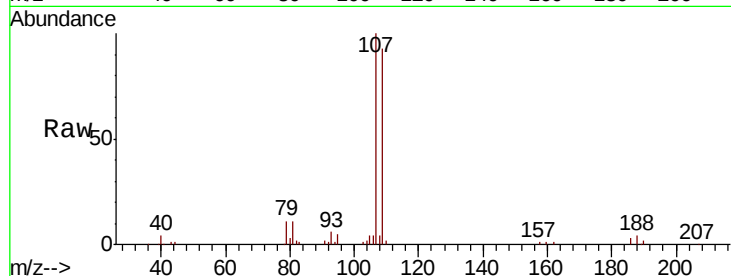




#61
 1,2-Dibromoethane
 Concen: 58.580 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064829.D
 Acq: 09 Jan 2020 21:16

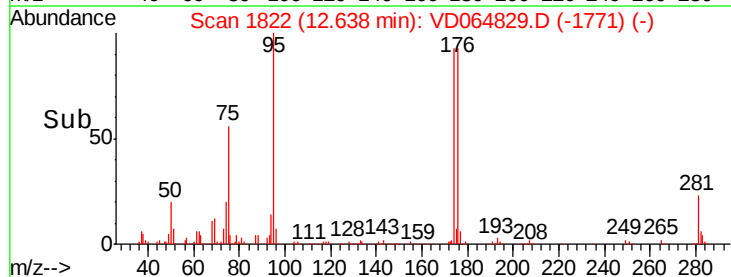
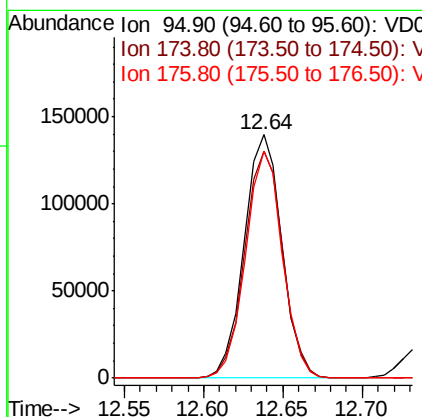
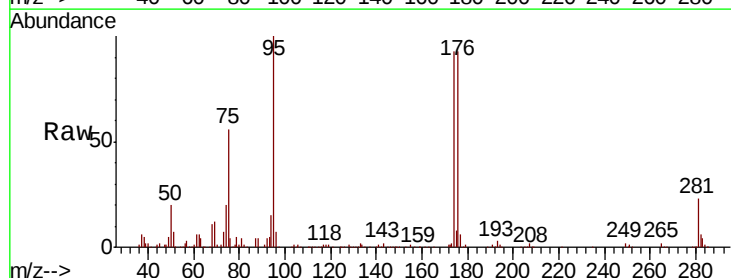
Instrument :
 MSVOA_D
 ClientSampleId :

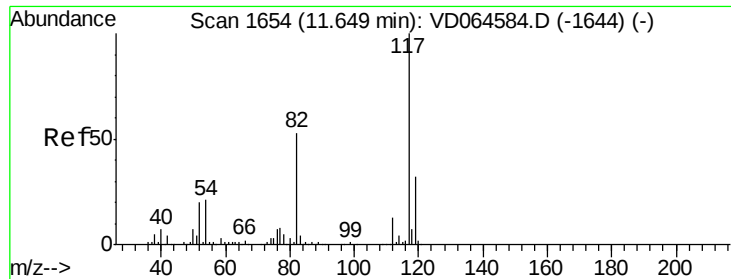
Tot Ion: 107 Resp: 147550
 Ion Ratio Lower Upper
 107 100
 109 93.7 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 57.169 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064829.D
 Acq: 09 Jan 2020 21:16

Tgt Ion: 95 Resp: 230120
 Ion Ratio Lower Upper
 95 100
 174 94.5 0.0 193.2
 176 91.6 0.0 184.2

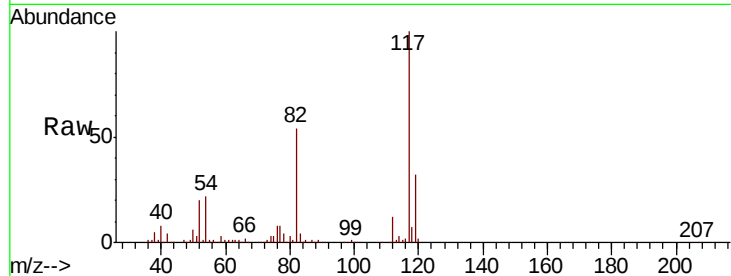




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	42.2	63.4
119	32.5	26.0	39.0

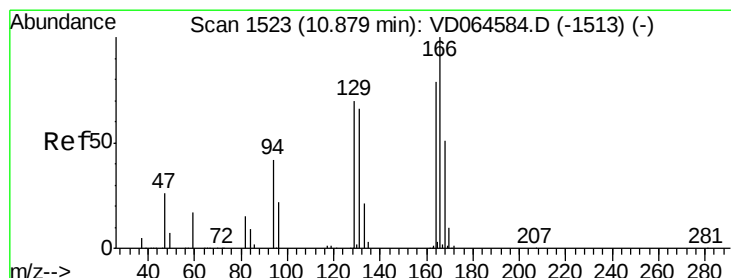
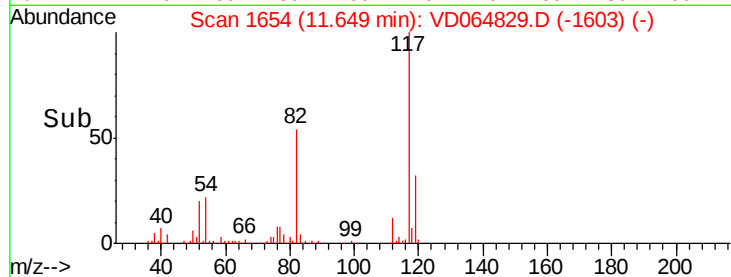
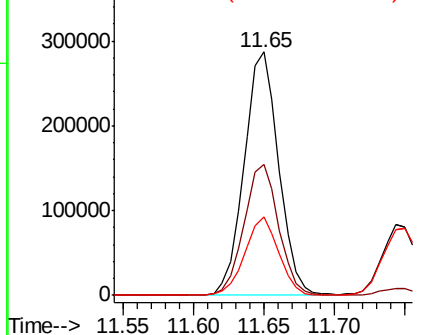


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 55.531 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.5	101.3	151.9
129	86.6	70.5	105.7
131	82.5	66.6	99.8

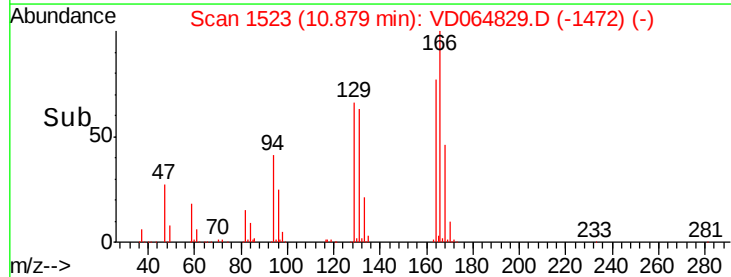
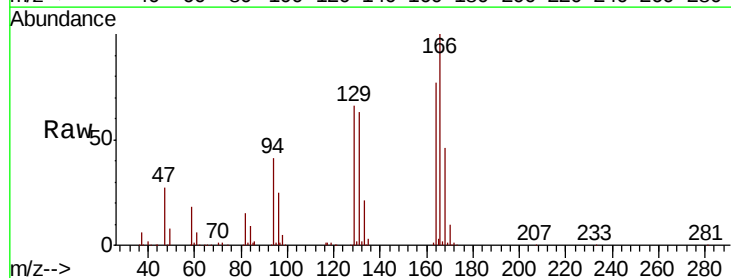
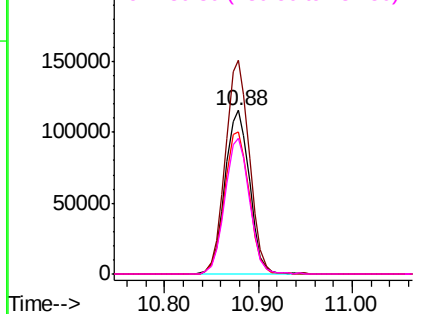
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

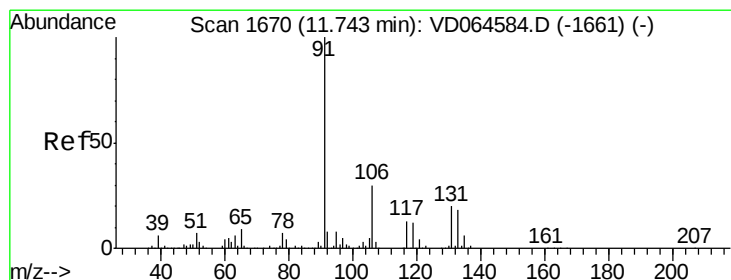
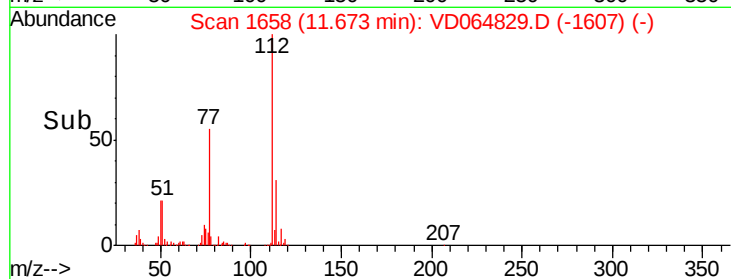
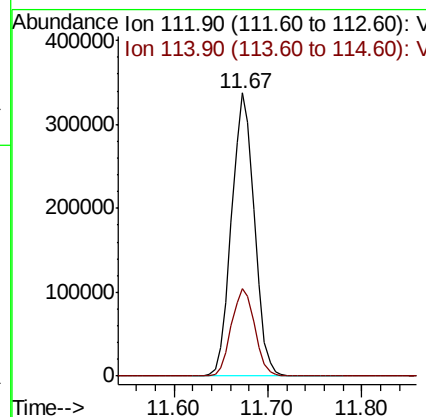
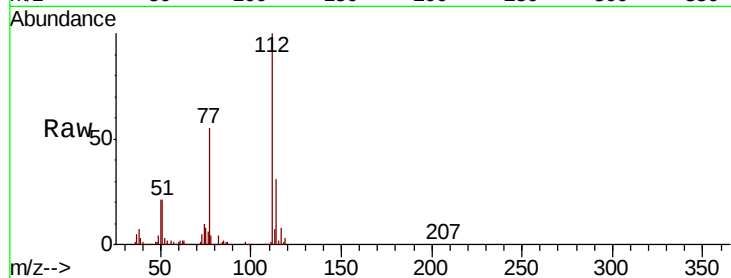




#65
Chlorobenzene
Concen: 55.802 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

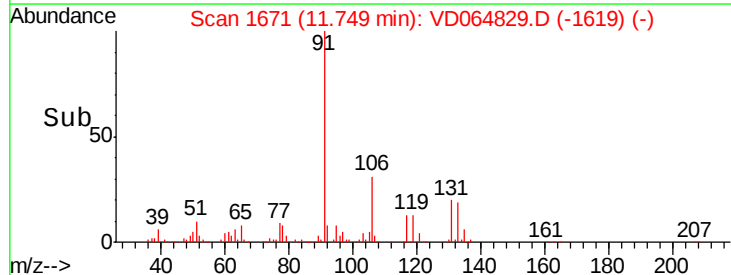
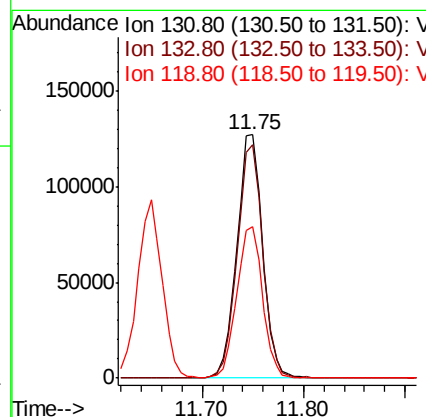
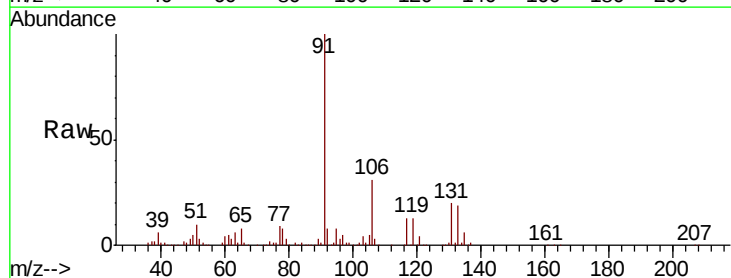
Instrument :
MSVOA_D
ClientSampleId :

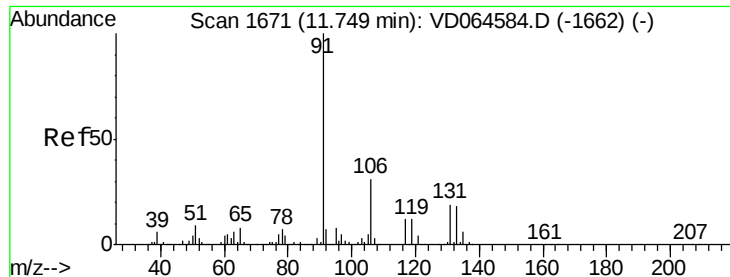
Tot Ion:112 Resp: 568725
Ion Ratio Lower Upper
112 100
114 31.1 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 58.432 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Tgt Ion:131 Resp: 224505
Ion Ratio Lower Upper
131 100
133 95.1 48.3 144.8
119 62.4 32.1 96.3





#67

Ethyl Benzene

Concen: 55.064 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

Instrument :

MSVOA_D

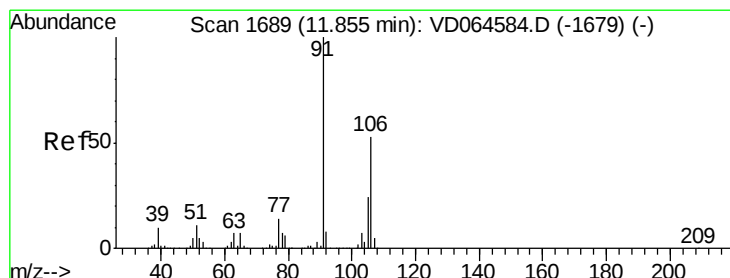
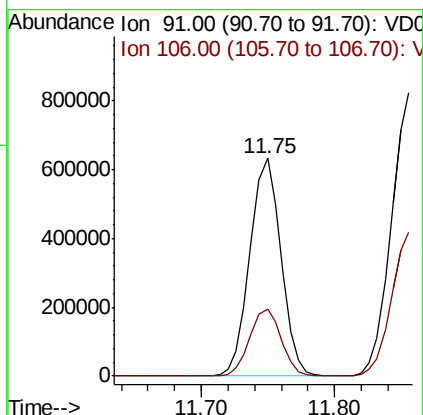
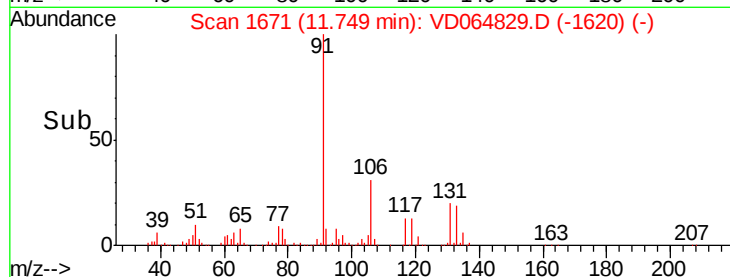
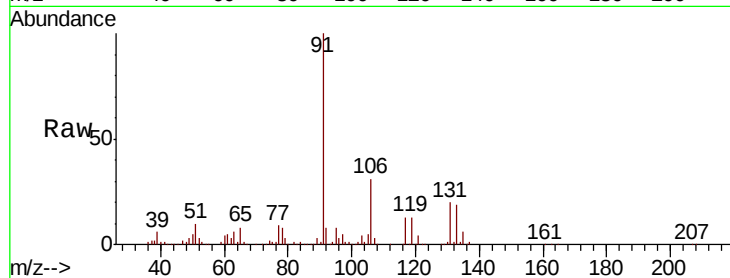
ClientSampled :

Tot Ion: 91 Resp: 1018621

Ion Ratio Lower Upper

91 100

106 31.0 24.6 36.8



#68

m/p-Xylenes

Concen: 111.678 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064829.D

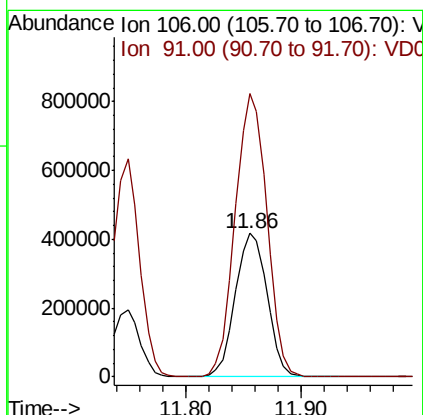
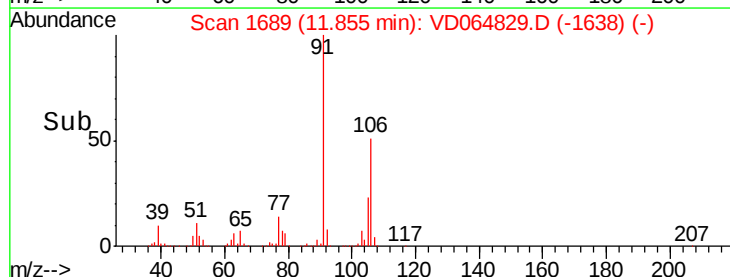
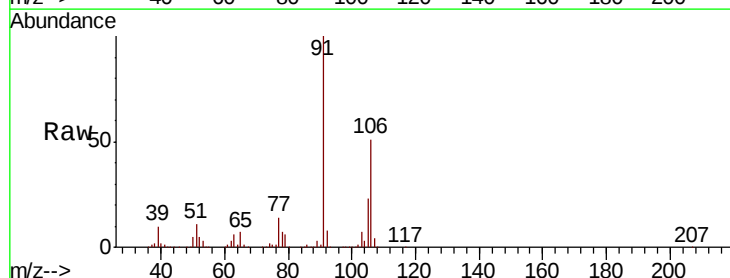
Acq: 09 Jan 2020 21:16

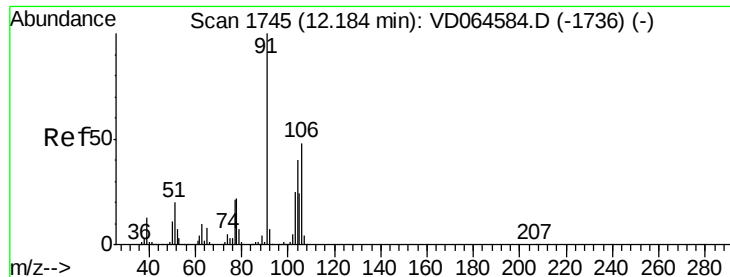
Tgt Ion: 106 Resp: 797397

Ion Ratio Lower Upper

106 100

91 197.3 156.3 234.5

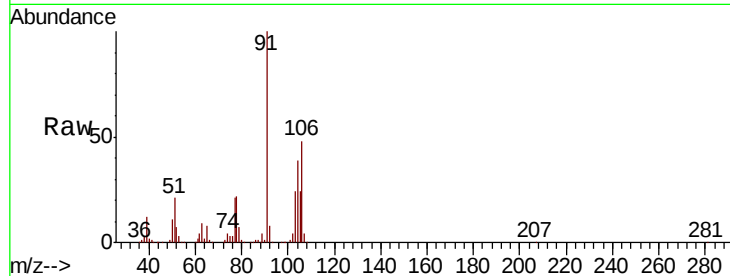




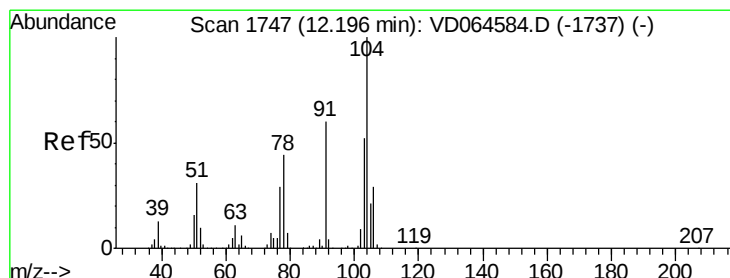
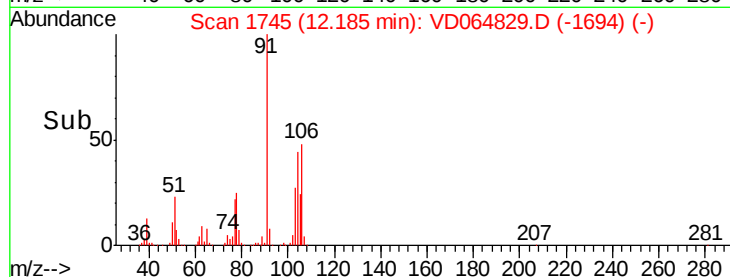
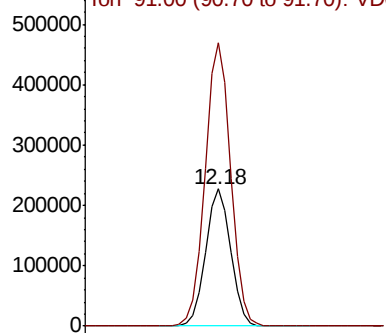
#69
o-Xylene
Concen: 56.380 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 363616
Ion Ratio Lower Upper
106 100
91 209.6 104.8 314.4

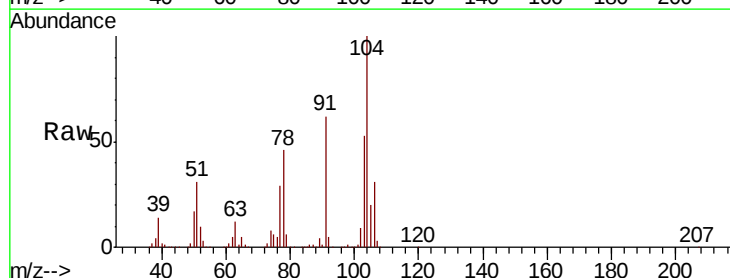


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

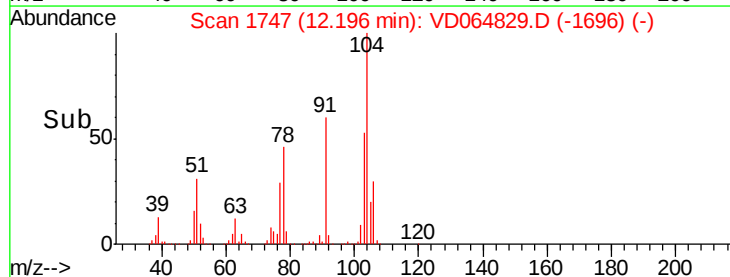
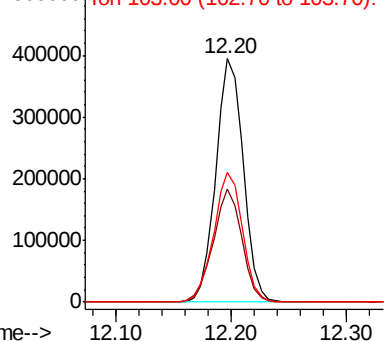


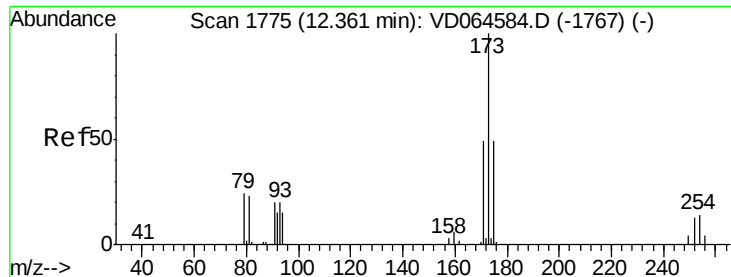
#70
Styrene
Concen: 57.738 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Tgt Ion:104 Resp: 653617
Ion Ratio Lower Upper
104 100
78 48.5 38.2 57.2
103 55.7 44.6 67.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VDC
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 58.065 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

Instrument :

MSVOA_D

ClientSampled :

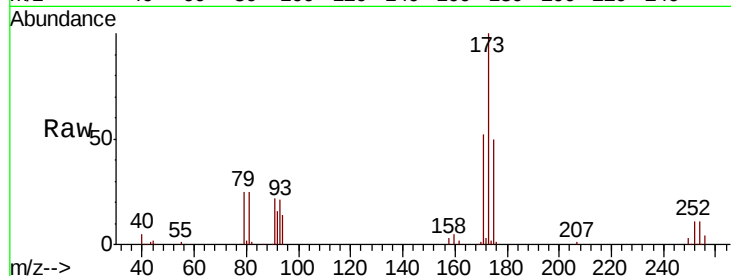
Tot Ion:173 Resp: 127225

Ion Ratio Lower Upper

173 100

175 48.9 24.6 73.8

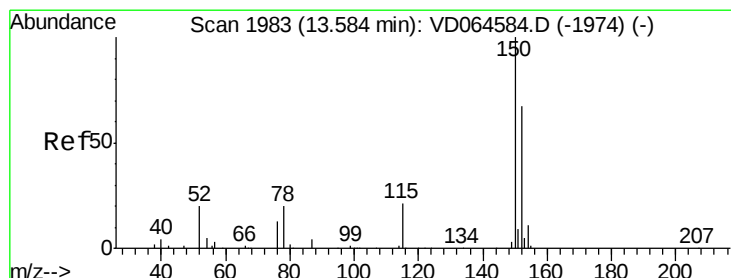
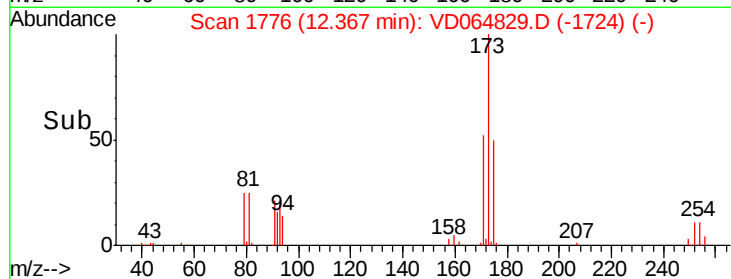
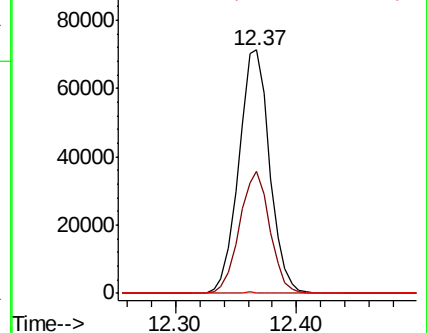
254 0.2 0.1 0.1#



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: VD064829.D

Acq: 09 Jan 2020 21:16

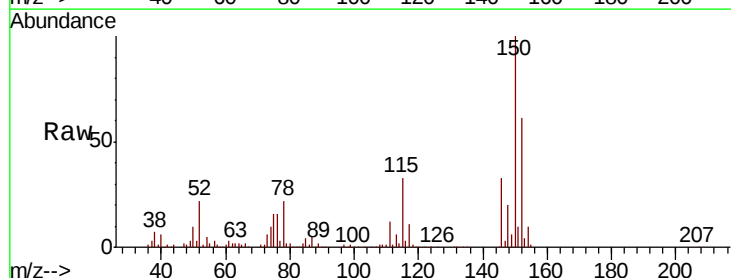
Tgt Ion:152 Resp: 247635

Ion Ratio Lower Upper

152 100

115 55.6 27.8 83.4

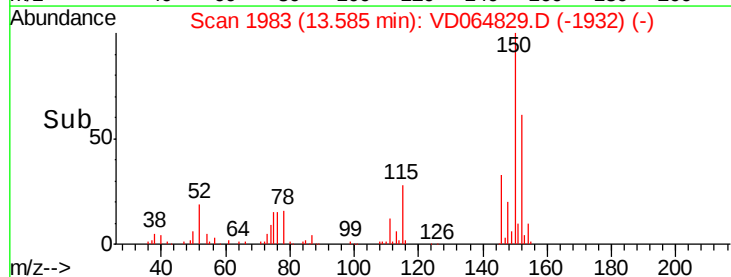
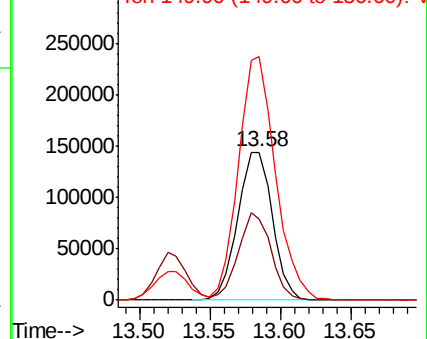
150 175.0 0.0 351.4

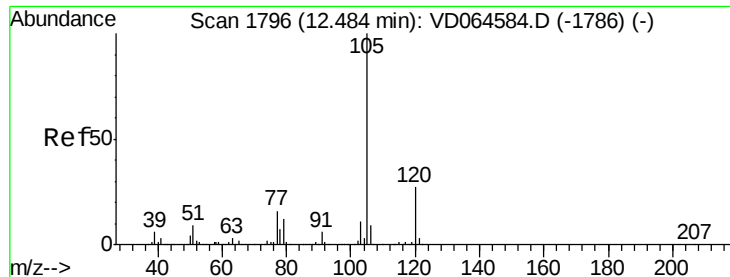


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.233 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

Instrument :

MSVOA_D

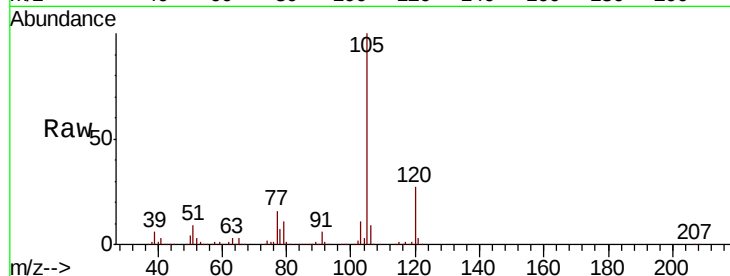
ClientSampleId :

Tot Ion:105 Resp: 959730

Ion Ratio Lower Upper

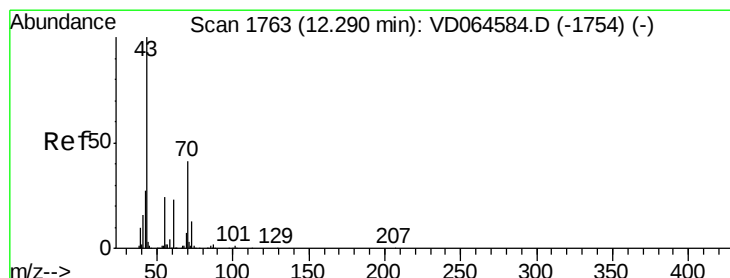
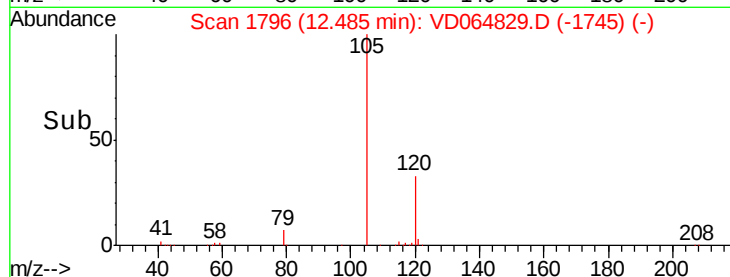
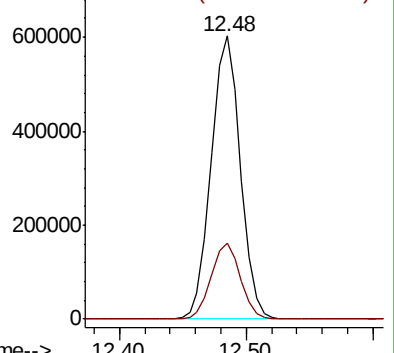
105 100

120 26.9 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 59.557 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

Tgt Ion: 43 Resp: 225296

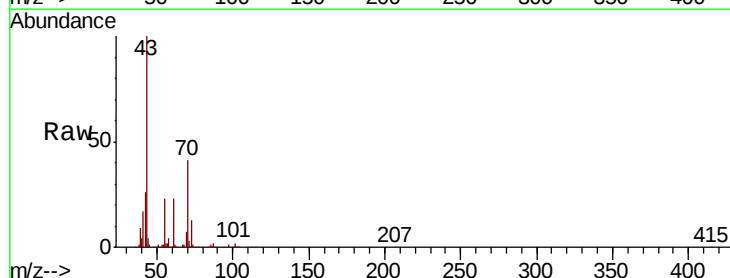
Ion Ratio Lower Upper

43 100

70 41.5 33.4 50.0

55 24.8 19.4 29.0

61 23.4 18.3 27.5

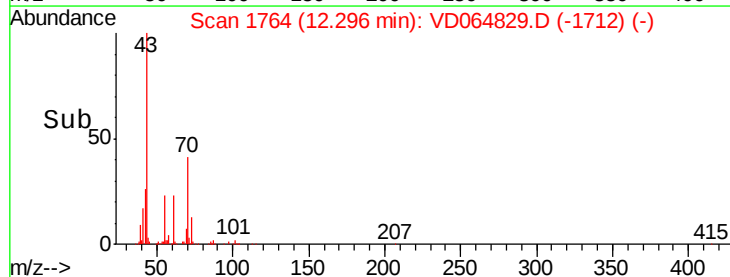
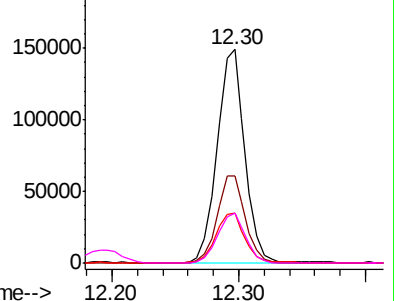


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 58.804 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

Instrument :

MSVOA_D

ClientSampleId :

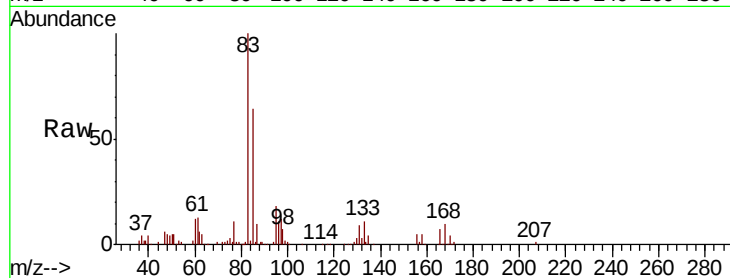
Tot Ion: 83 Resp: 163472

Ion Ratio Lower Upper

83 100

131 11.0 5.8 17.4

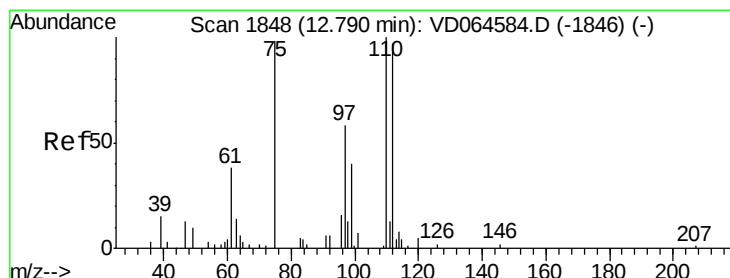
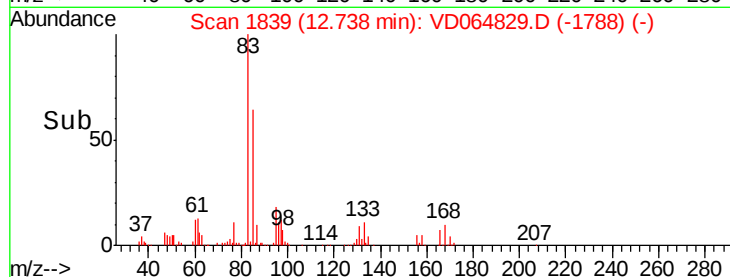
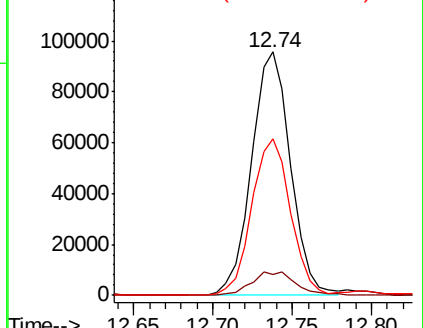
85 64.3 32.3 96.9



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: 110.351 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD064829.D

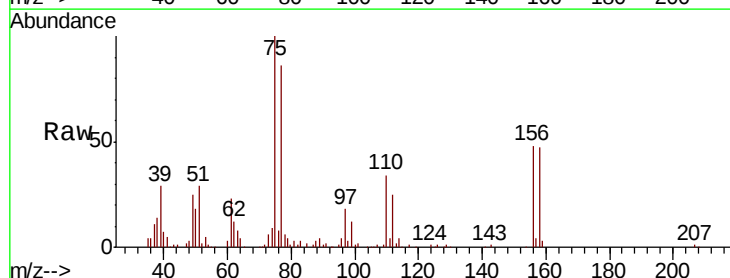
Acq: 09 Jan 2020 21:16

Tgt Ion: 75 Resp: 215789

Ion Ratio Lower Upper

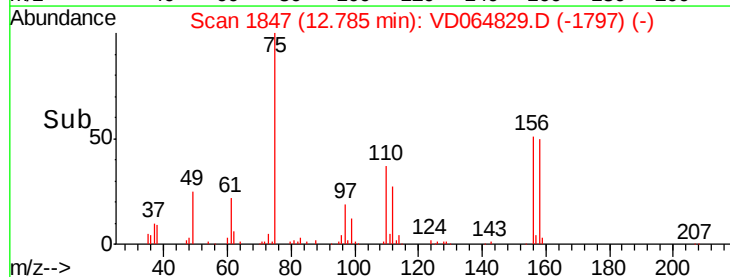
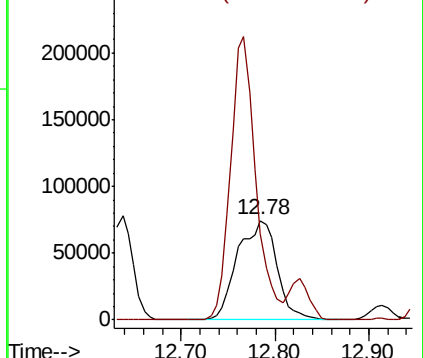
75 100

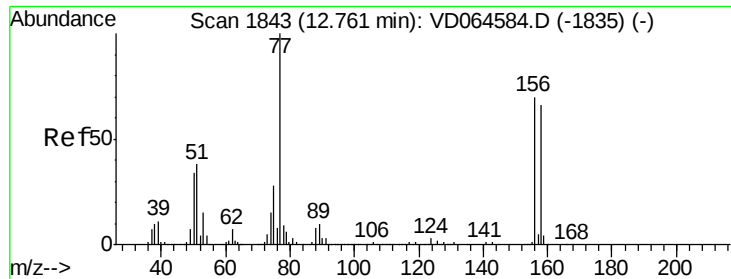
77 184.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 55.255 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

Instrument :

MSVOA_D

ClientSampleId :

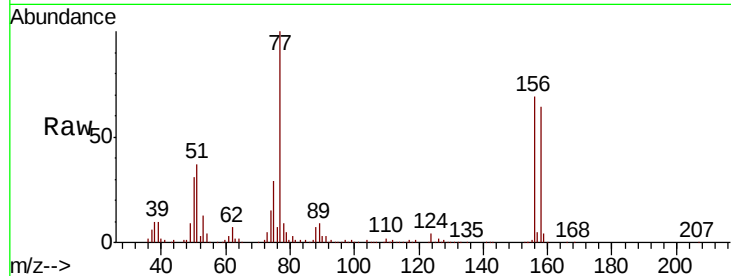
Tot Ion:156 Resp: 240267

Ion Ratio Lower Upper

156 100

77 165.2 80.9 242.7

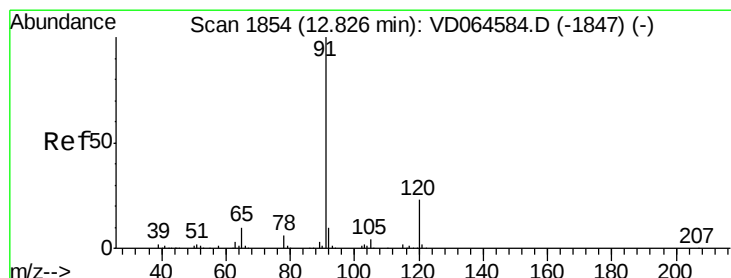
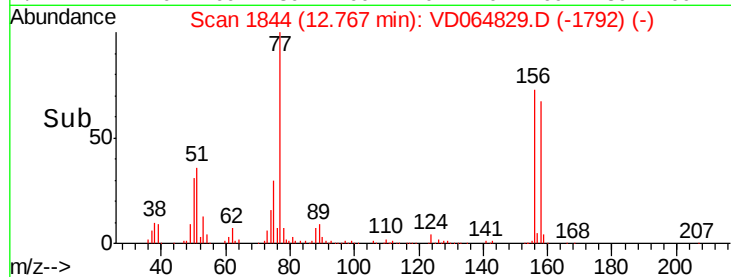
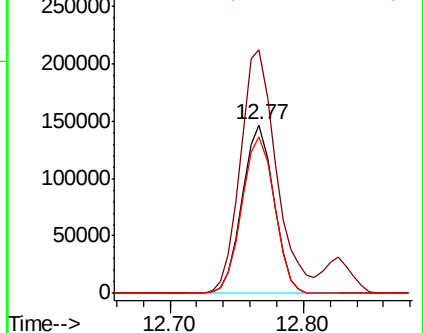
158 95.9 48.0 144.2



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: 54.522 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064829.D

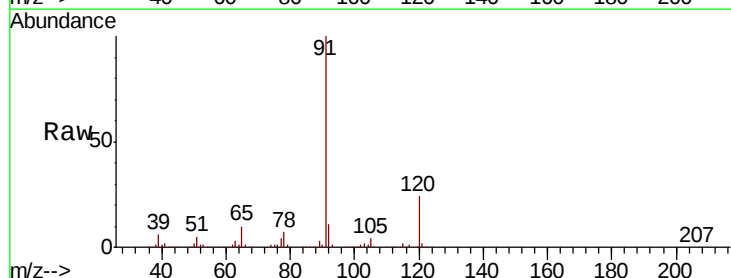
Acq: 09 Jan 2020 21:16

Tgt Ion: 91 Resp: 1125623

Ion Ratio Lower Upper

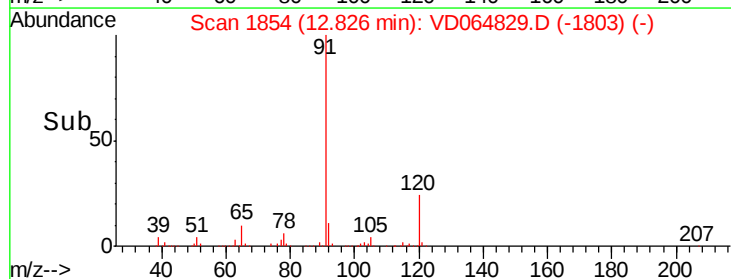
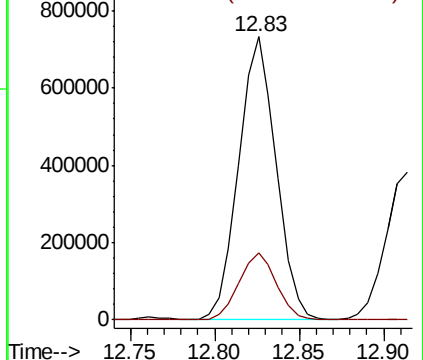
91 100

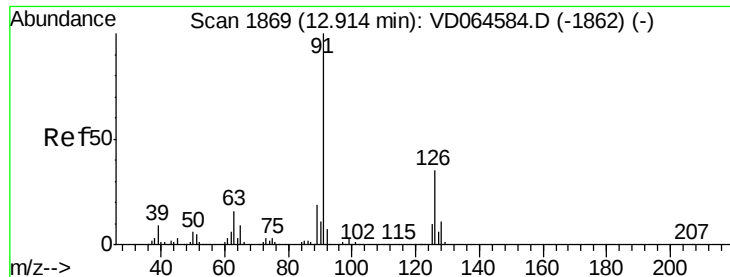
120 23.6 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

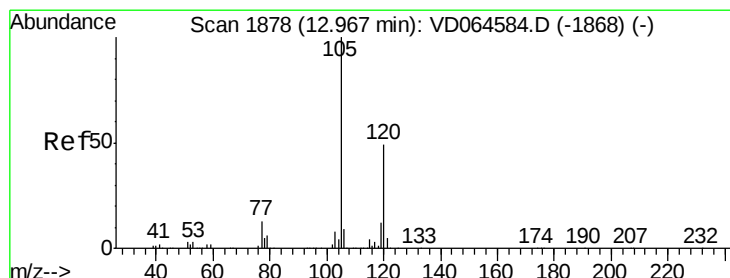
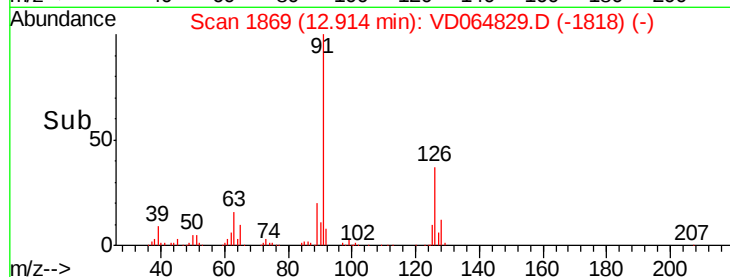
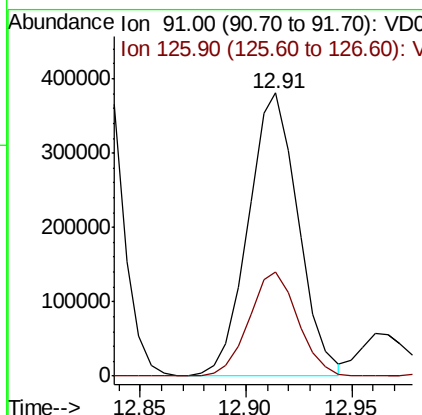
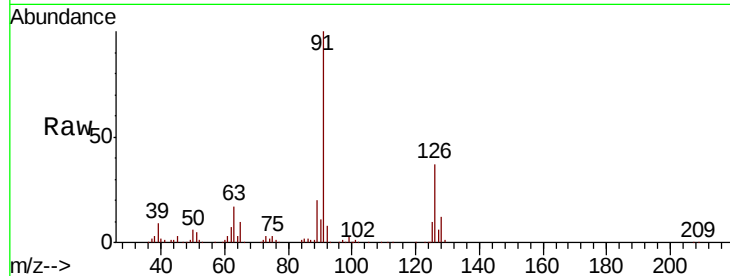




#79
 2-Chlorotoluene
 Concen: 54.884 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD064829.D
 Acq: 09 Jan 2020 21:16

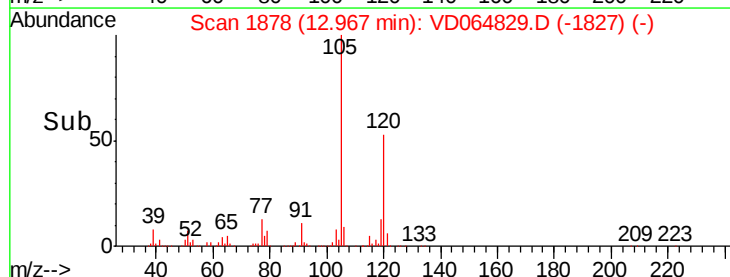
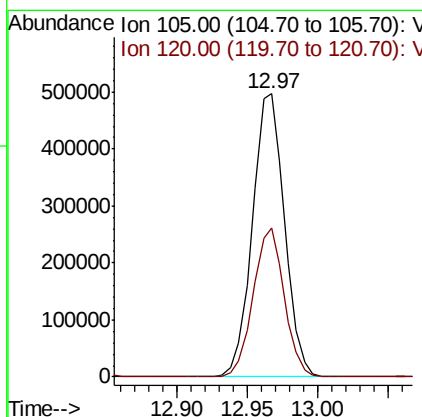
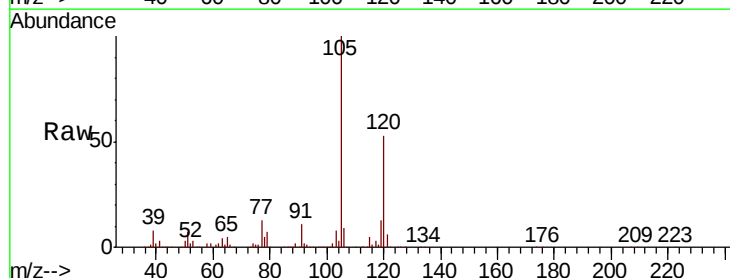
Instrument :
 MSVOA_D
 ClientSampled :

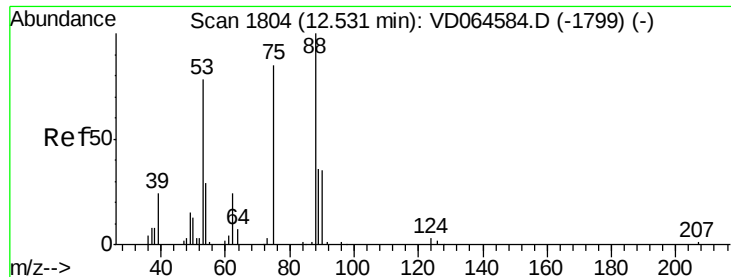
Tot Ion: 91 Resp: 622457
 Ion Ratio Lower Upper
 91 100
 126 36.2 17.8 53.5



#80
 1,3,5-Trimethylbenzene
 Concen: 54.571 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD064829.D
 Acq: 09 Jan 2020 21:16

Tgt Ion: 105 Resp: 793300
 Ion Ratio Lower Upper
 105 100
 120 51.0 25.0 75.0

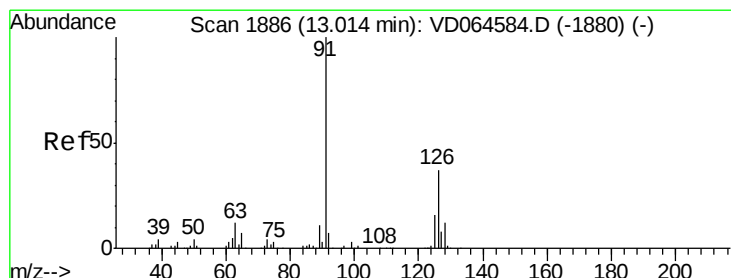
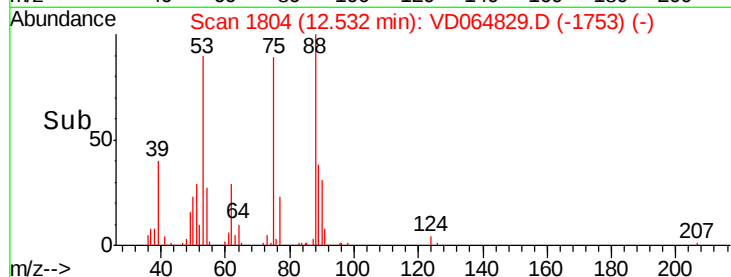
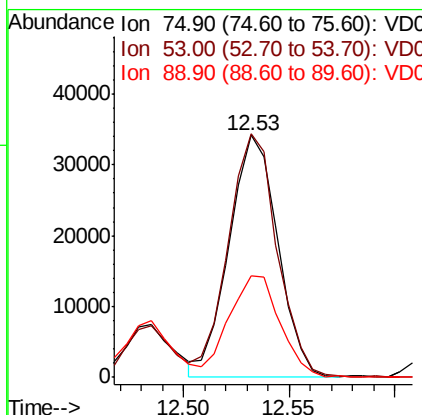
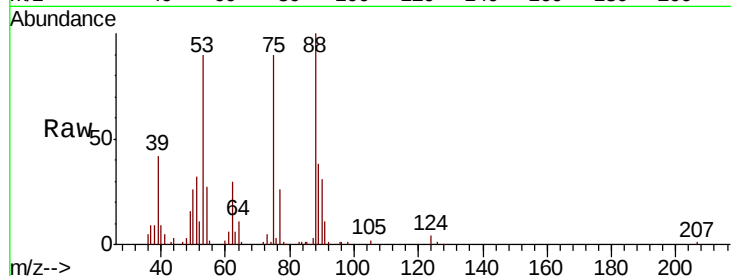




#81
trans-1,4-Dichloro-2-butene
Concen: 58.519 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

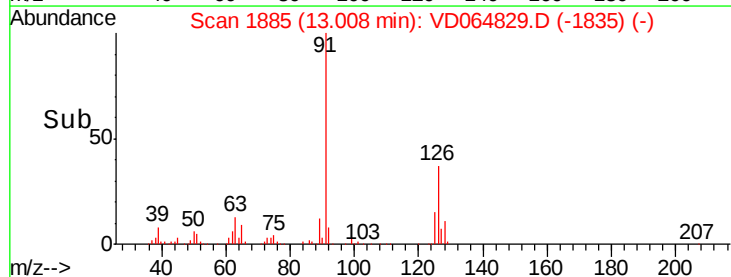
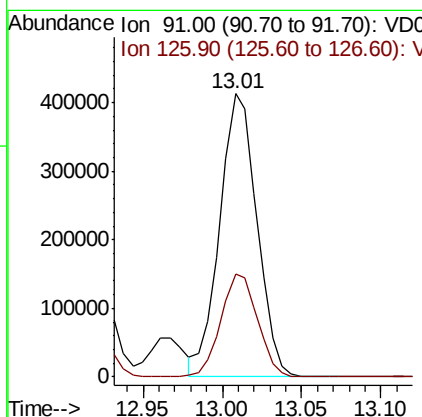
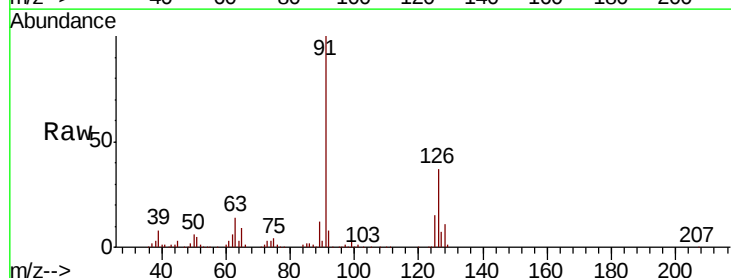
Instrument :
MSVOA_D
ClientSampled :

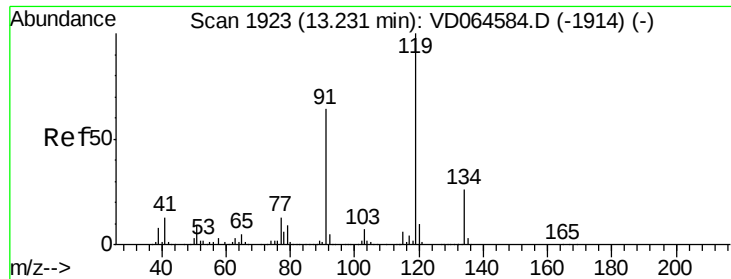
Tot Ion: 75 Resp: 54714
Ion Ratio Lower Upper
75 100
53 101.0 78.8 118.2
89 43.7 38.3 57.5



#82
4-Chlorotoluene
Concen: 55.505 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Tgt Ion: 91 Resp: 669903
Ion Ratio Lower Upper
91 100
126 36.0 17.8 53.5

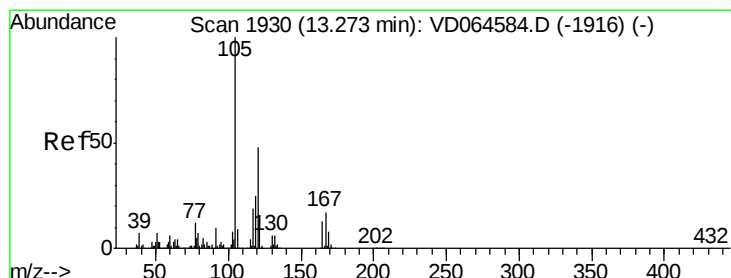
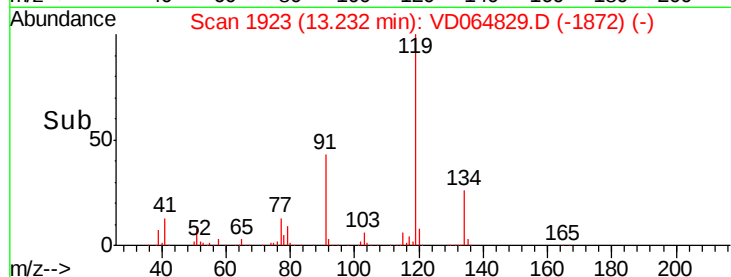
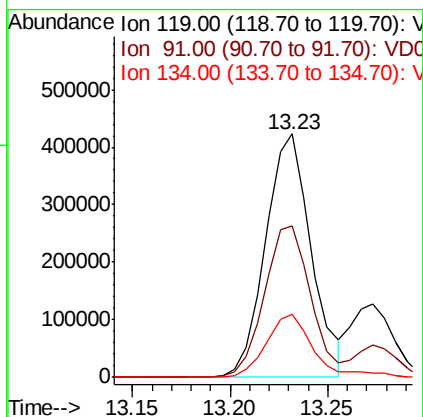
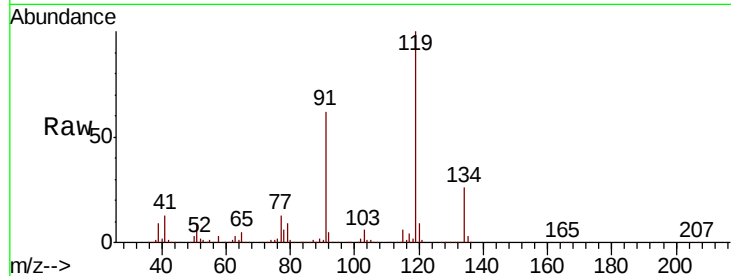




#83
tert-Butylbenzene
Concen: 54.391 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

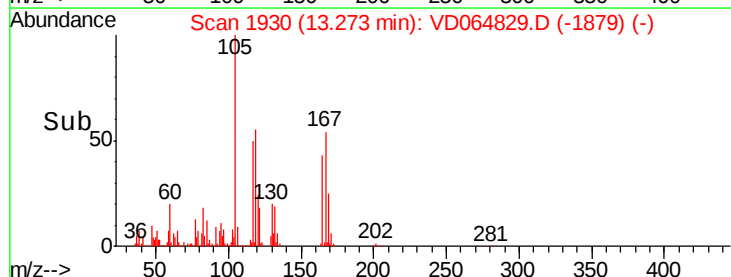
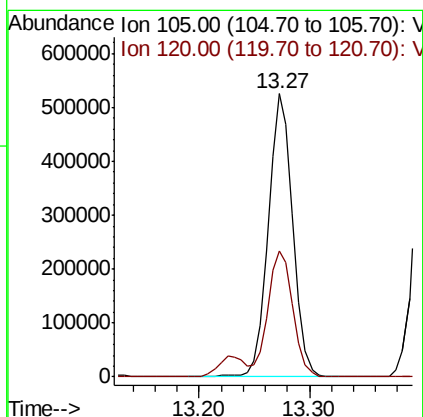
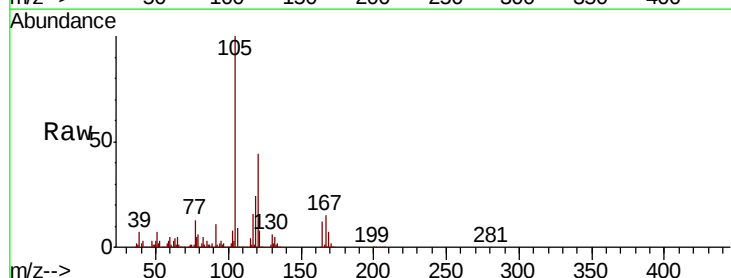
Instrument :
MSVOA_D
ClientSampleId :

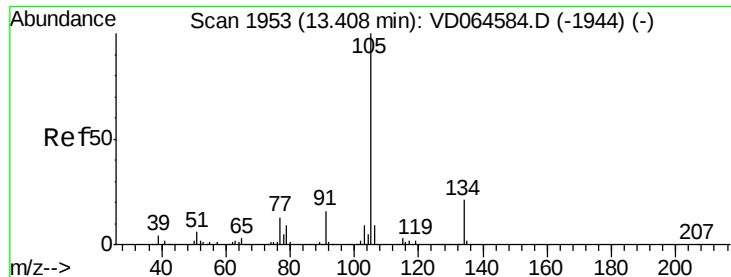
Tot Ion:119 Resp: 686509
Ion Ratio Lower Upper
119 100
91 62.9 30.8 92.4
134 27.0 12.8 38.3



#84
1,2,4-Trimethylbenzene
Concen: 55.873 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Tgt Ion:105 Resp: 808917
Ion Ratio Lower Upper
105 100
120 45.8 23.8 71.2





#85

sec-Butylbenzene

Concen: 54.099 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

Instrument :

MSVOA_D

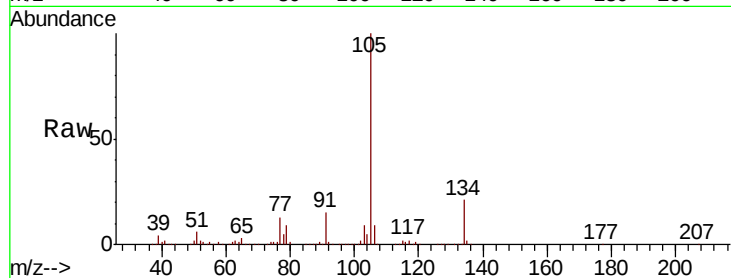
ClientSampleId :

Tot Ion:105 Resp: 936108

Ion Ratio Lower Upper

105 100

134 20.7 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

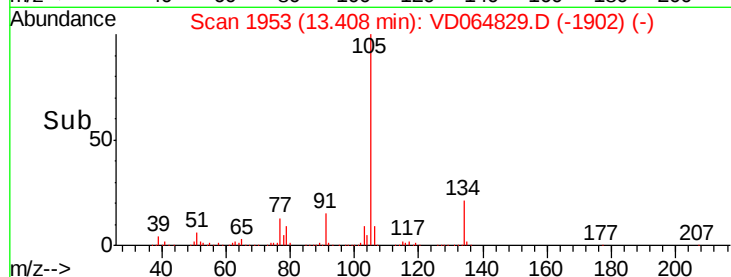
600000

400000

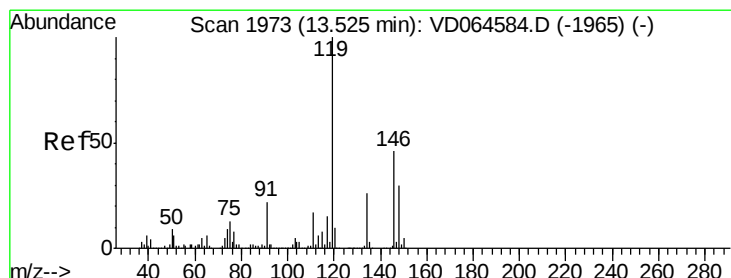
200000

0

13.30 13.40 13.50



Time-->



#86

p-Isopropyltoluene

Concen: 54.538 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

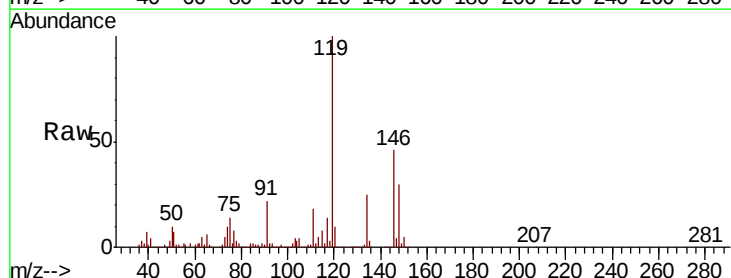
Tgt Ion:119 Resp: 902356

Ion Ratio Lower Upper

119 100

134 26.1 13.4 40.1

91 21.9 11.2 33.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

800000

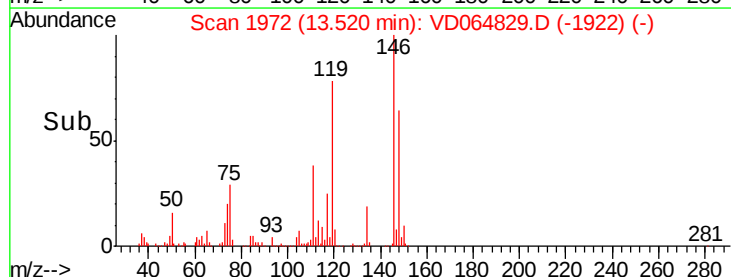
600000

400000

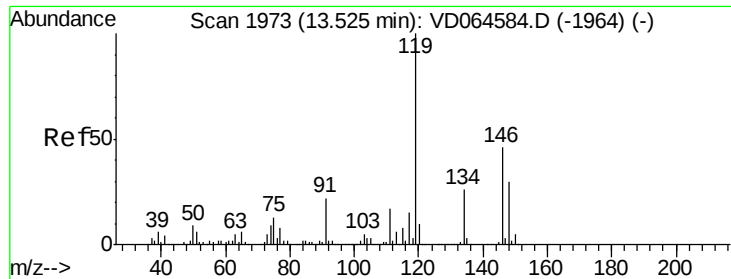
200000

0

13.45 13.50 13.55 13.60



Time-->



#87

1,3-Dichlorobenzene

Concen: 56.038 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

Instrument :

MSVOA_D

ClientSampleId :

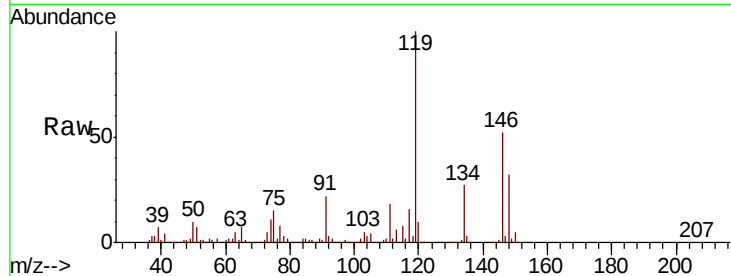
Tot Ion:146 Resp: 464515

Ion Ratio Lower Upper

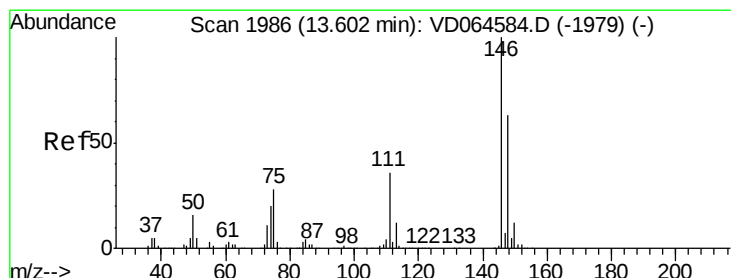
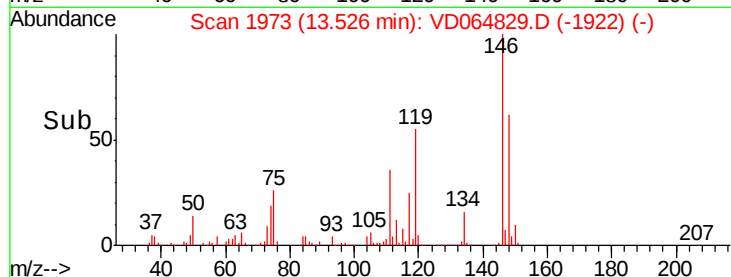
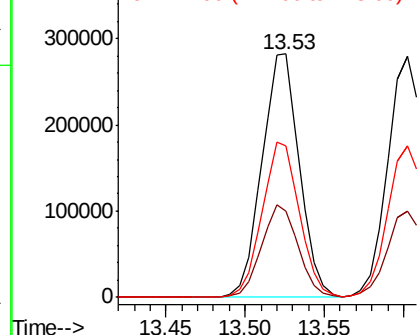
146 100

111 37.3 18.8 56.4

148 63.6 32.5 97.5



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



#88

1,4-Dichlorobenzene

Concen: 55.578 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

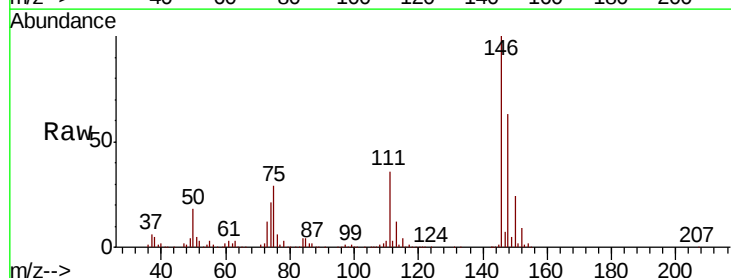
Tgt Ion:146 Resp: 452582

Ion Ratio Lower Upper

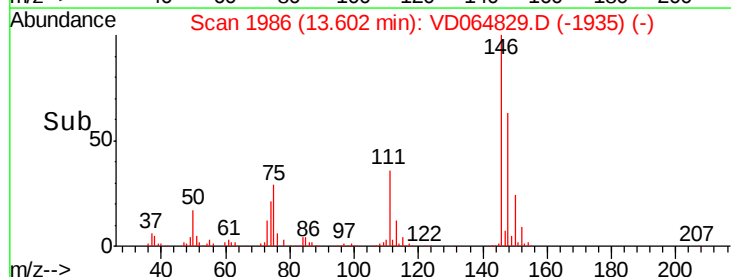
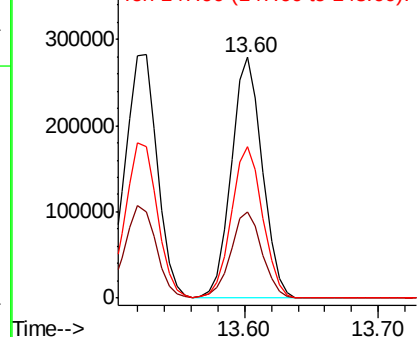
146 100

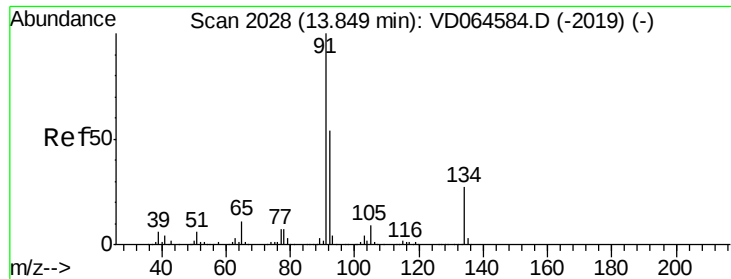
111 36.2 18.1 54.1

148 63.4 32.3 96.9



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

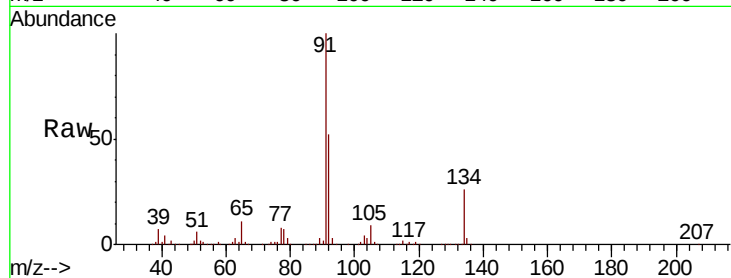




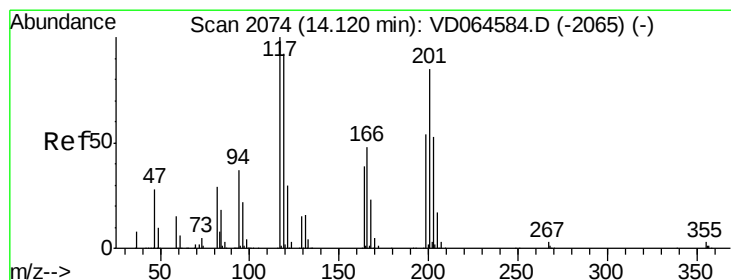
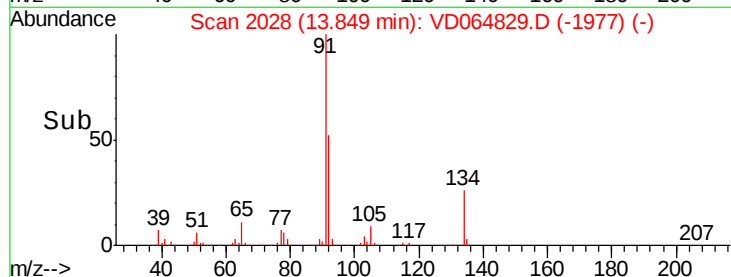
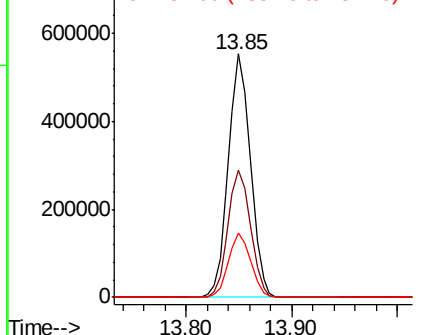
#89
n-Butylbenzene
Concen: 53.885 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 802871
Ion Ratio Lower Upper
91 100
92 53.1 26.8 80.4
134 26.4 14.0 41.9

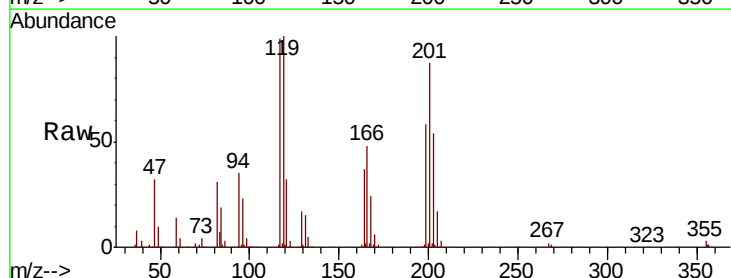


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.00 (133.70 to 134.70): V

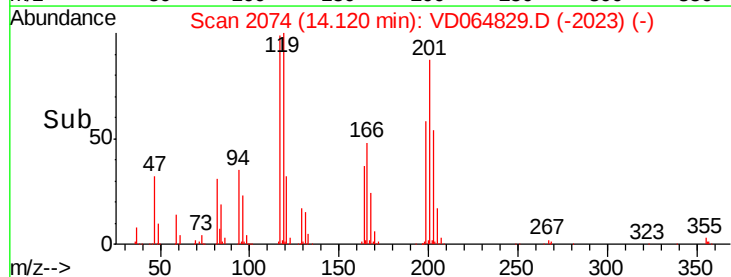
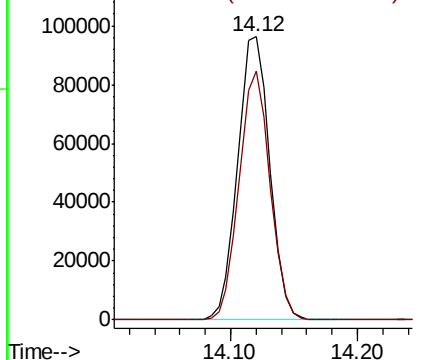


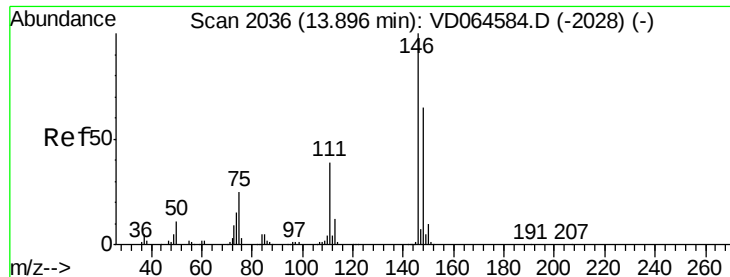
#90
Hexachloroethane
Concen: 53.505 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Tgt Ion: 117 Resp: 169105
Ion Ratio Lower Upper
117 100
201 84.8 44.0 131.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 56.457 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

Instrument :

MSVOA_D

ClientSampleId :

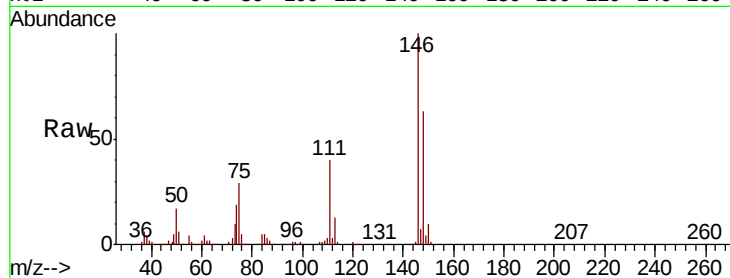
Tot Ion:146 Resp: 399054

Ion Ratio Lower Upper

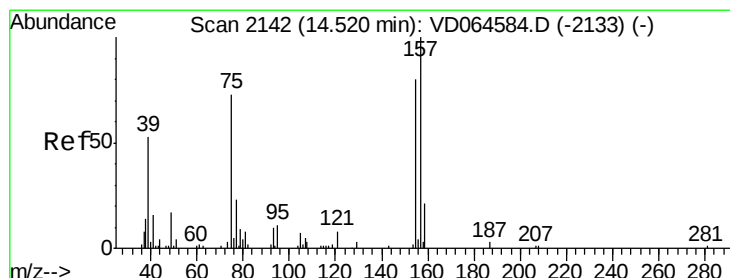
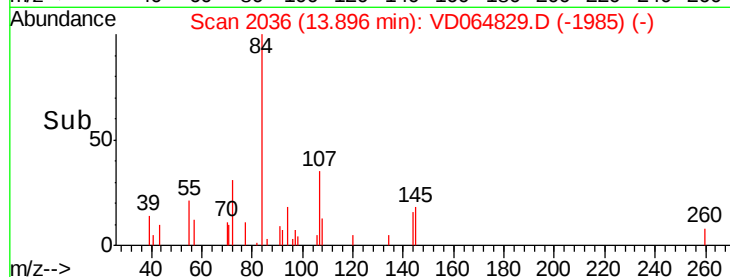
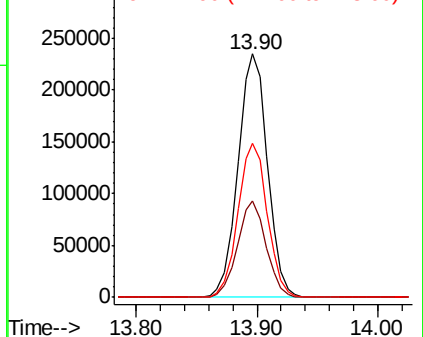
146 100

111 38.4 19.3 57.9

148 62.8 31.9 95.5



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 57.218 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.01 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

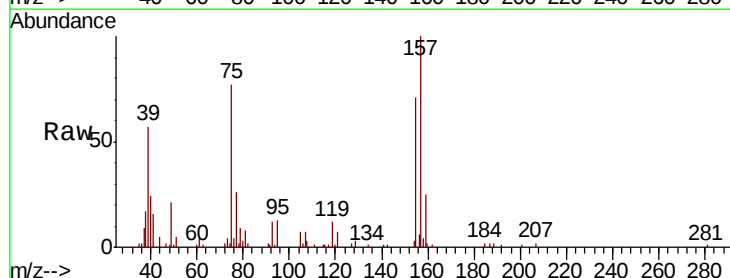
Tgt Ion: 75 Resp: 25786

Ion Ratio Lower Upper

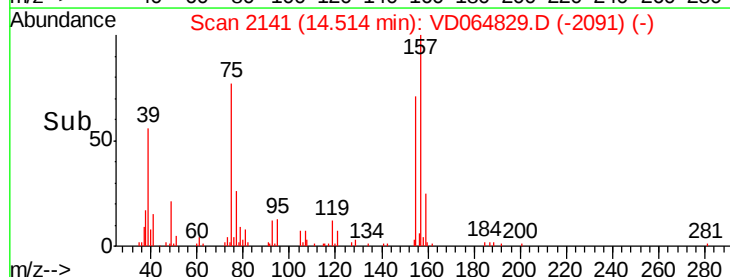
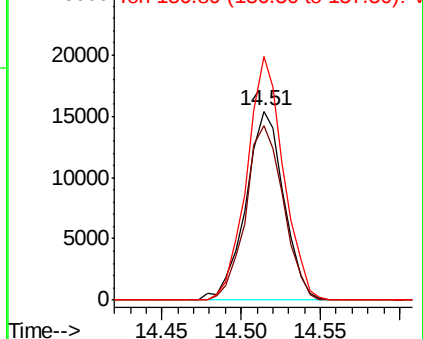
75 100

155 90.8 48.0 144.0

157 123.3 64.1 192.3



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

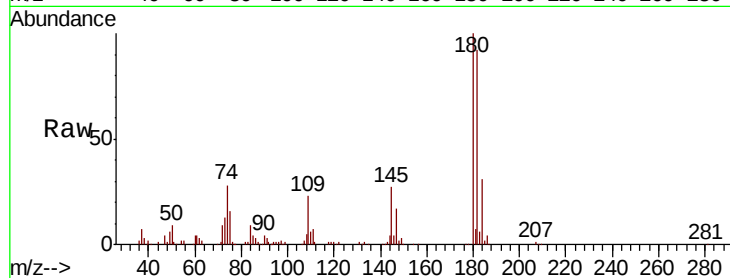




#93
 1,2,4-Trichlorobenzene
 Concen: 52.540 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD064829.D
 Acq: 09 Jan 2020 21:16

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	48.0	144.2
145	29.1	13.8	41.4

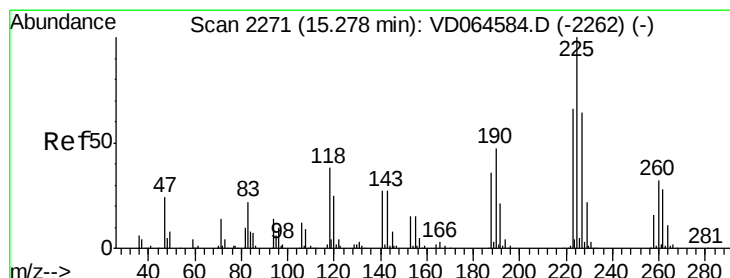
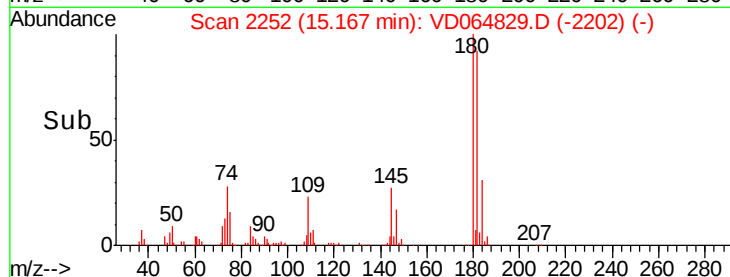
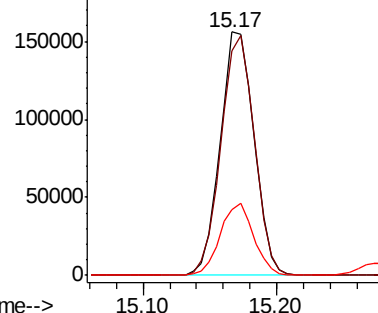


Abundance

Ion 179.80 (179.50 to 180.50): V

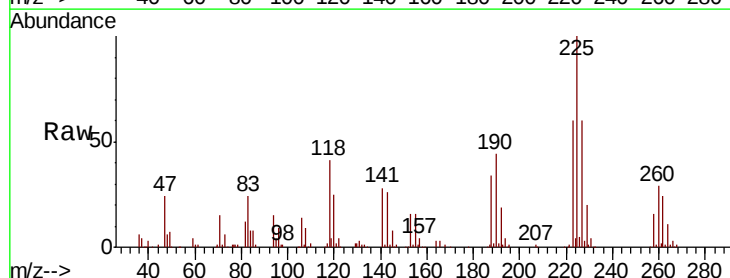
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 49.649 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VD064829.D
 Acq: 09 Jan 2020 21:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.1	93.2
227	63.0	30.9	92.7

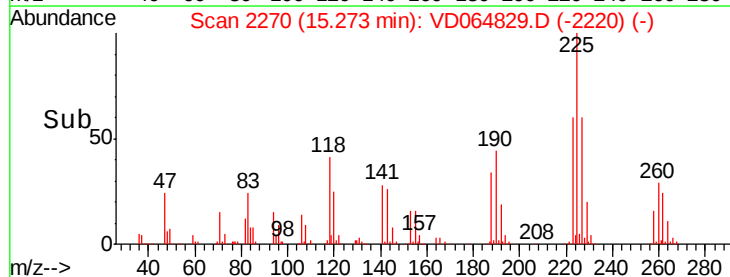
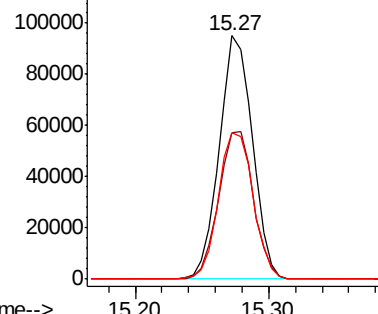


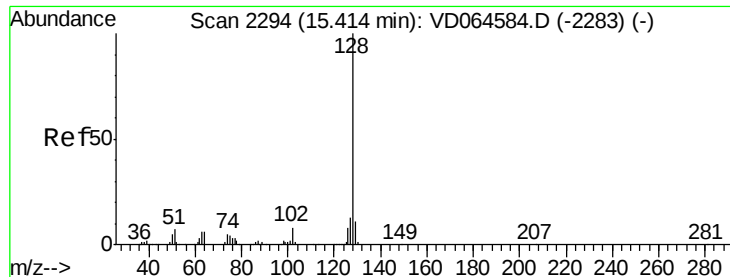
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

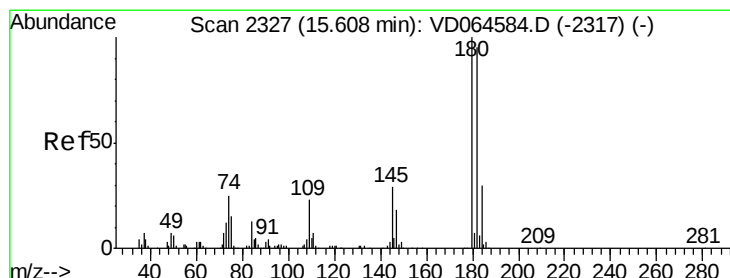
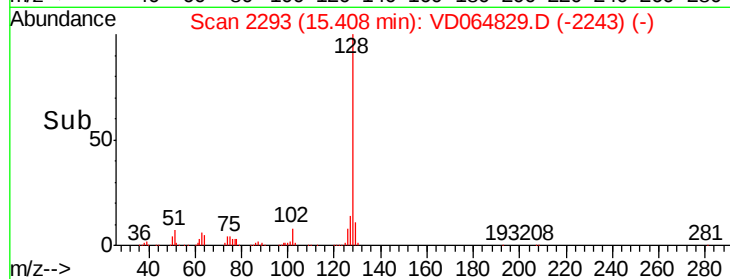
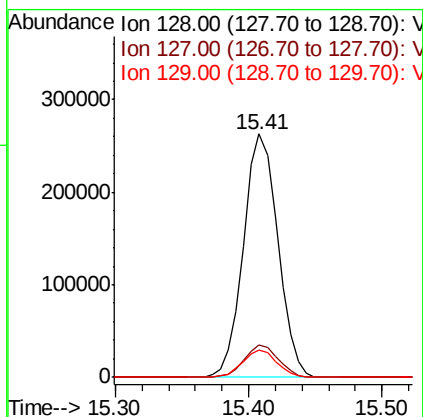
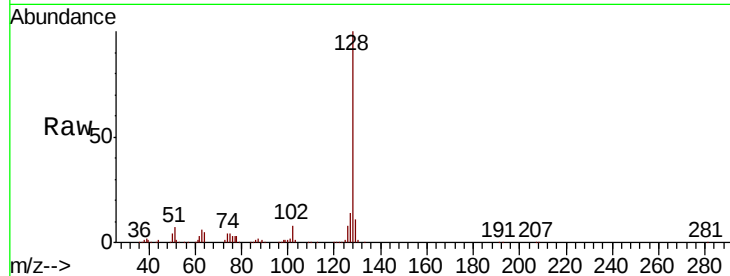




#95
Naphthalene
Concen: 56.913 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.3	15.5
129	11.0	8.5	12.7



#96
1,2,3-Trichlorobenzene
Concen: 54.284 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.9	143.7
145	30.3	14.9	44.7

