

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012820\
 Data File : VD064975.D
 Acq On : 28 Jan 2020 12:04
 Operator : VA/SY
 Sample : VD0128SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 29 01:32:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	457630	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	681415	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	604205	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	291226	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	221221	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
35) Dibromofluoromethane	7.92	113	221846	51.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.62%	
50) Toluene-d8	10.34	98	860486	52.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.12%	
62) 4-Bromofluorobenzene	12.64	95	261521	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	75926	22.023	ug/l	99
3) Chloromethane	2.21	50	107525	21.280	ug/l	99
4) Vinyl Chloride	2.35	62	123277	21.242	ug/l	100
5) Bromomethane	2.76	94	81153	20.788	ug/l	95
6) Chloroethane	2.93	64	78706	20.571	ug/l	98
7) Trichlorofluoromethane	3.27	101	193589	21.599	ug/l	97
8) Diethyl Ether	3.71	74	39109	19.329	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.08	101	91799	22.015	ug/l	99
10) Methyl Iodide	4.30	142	87986	19.878	ug/l	99
11) Tert butyl alcohol	5.24	59	22279	91.844	ug/l #	94
12) 1,1-Dichloroethene	4.07	96	86643	21.750	ug/l #	78
13) Acrolein	3.92	56	26067	85.720	ug/l	91
14) Allyl chloride	4.71	41	136470	21.480	ug/l	99
15) Acrylonitrile	5.43	53	87303	99.640	ug/l	99
16) Acetone	4.17	43	88516	85.189	ug/l	97
17) Carbon Disulfide	4.40	76	279307	21.304	ug/l	99
18) Methyl Acetate	4.73	43	41858	20.360	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	174728	19.630	ug/l	99
20) Methylene Chloride	4.96	84	97744	18.921	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	97605	21.267	ug/l	96
22) Diisopropyl ether	6.37	45	263729	20.829	ug/l	97
23) Vinyl Acetate	6.31	43	721557	97.332	ug/l	98
24) 1,1-Dichloroethane	6.27	63	166713	21.445	ug/l	98
25) 2-Butanone	7.22	43	108766	91.714	ug/l	95
26) 2,2-Dichloropropane	7.21	77	153112	21.713	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	100990	20.616	ug/l	100
28) Bromochloromethane	7.55	49	54290	17.462	ug/l	100
29) Tetrahydrofuran	7.57	42	69261	94.655	ug/l	99
30) Chloroform	7.71	83	167789	20.879	ug/l	98
31) Cyclohexane	7.99	56	159301	20.830	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	157837	21.112	ug/l	97
36) 1,1-Dichloropropene	8.11	75	138915	21.141	ug/l	98
37) Ethyl Acetate	7.30	43	51530	18.986	ug/l	100
38) Carbon Tetrachloride	8.10	117	145607	20.966	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	158997	20.697	ug/l	93
40) Benzene	8.36	78	372450	20.581	ug/l	100
41) Methacrylonitrile	7.53	41	29388	20.100	ug/l	94
42) 1,2-Dichloroethane	8.43	62	107091	19.866	ug/l	99
43) Isopropyl Acetate	8.46	43	97792	18.968	ug/l	100
44) Trichloroethene	9.11	130	105367	20.804	ug/l	99
45) 1,2-Dichloropropane	9.39	63	88908	20.266	ug/l	96
46) Dibromomethane	9.48	93	47822	19.966	ug/l	99
47) Bromodichloromethane	9.67	83	128634	20.639	ug/l	93
48) Methyl methacrylate	9.46	41	45763	19.289	ug/l	99
49) 1,4-Dioxane	9.47	88	9773	351.817	ug/l #	85
51) 4-Methyl-2-Pentanone	10.23	43	238310	92.381	ug/l	100
52) Toluene	10.41	92	240695	20.630	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	115987	19.537	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	138315	19.899	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	64779	20.078	ug/l	95
56) Ethyl methacrylate	10.67	69	73308	19.001	ug/l	98
57) 1,3-Dichloropropane	10.95	76	109337	19.759	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	125178	97.662	ug/l	99
59) 2-Hexanone	10.99	43	163318	91.784	ug/l	98
60) Dibromochloromethane	11.14	129	86353	20.026	ug/l	98
61) 1,2-Dibromoethane	11.25	107	61227	19.709	ug/l	99
64) Tetrachloroethene	10.88	164	89560	20.512	ug/l	96
65) Chlorobenzene	11.68	112	251581	20.508	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	92075	19.957	ug/l	98
67) Ethyl Benzene	11.75	91	442379	20.312	ug/l	96
68) m/p-Xylenes	11.86	106	348738	41.588	ug/l	99
69) o-Xylene	12.19	106	150564	20.231	ug/l	99
70) Styrene	12.20	104	268554	20.257	ug/l	98
71) Bromoform	12.37	173	48659	18.973	ug/l #	99
73) Isopropylbenzene	12.48	105	421735	21.187	ug/l	100
74) N-amyl acetate	12.30	43	83928	18.843	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	64497	19.279	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	87575	36.230	ug/l #	100
77) Bromobenzene	12.77	156	100935	20.725	ug/l	99
78) n-propylbenzene	12.83	91	500400	21.139	ug/l	99
79) 2-Chlorotoluene	12.91	91	275214	21.193	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	351355	21.540	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.54	75	22170	19.584	ug/l	97
82) 4-Chlorotoluene	13.01	91	290372	21.085	ug/l	100
83) tert-Butylbenzene	13.23	119	299781	21.656	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	342951	20.754	ug/l	99
85) sec-Butylbenzene	13.41	105	418746	21.364	ug/l	99
86) p-Isopropyltoluene	13.53	119	379208	20.675	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	188736	20.197	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	192267	20.730	ug/l	98
89) n-Butylbenzene	13.86	91	352012	21.031	ug/l	100
90) Hexachloroethane	14.12	117	73439	20.763	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	160798	20.269	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10356	19.343	ug/l	99

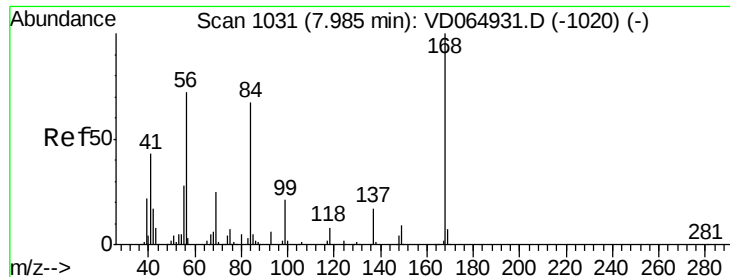
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012820\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	114760	20.910	ug/l	99
94) Hexachlorobutadiene	15.28	225	72318	20.832	ug/l	99
95) Naphthalene	15.41	128	170023	19.195	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	95756	20.122	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064975.D

Acq: 28 Jan 2020 12:04

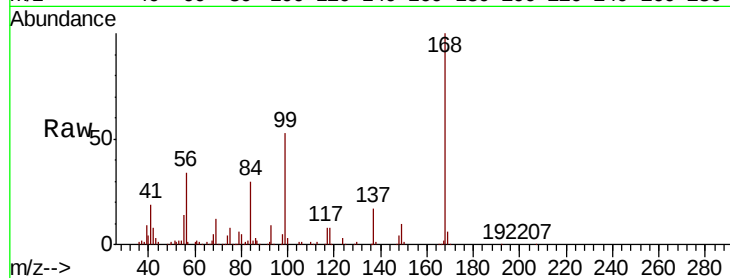
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 457630

Ion Ratio Lower Upper

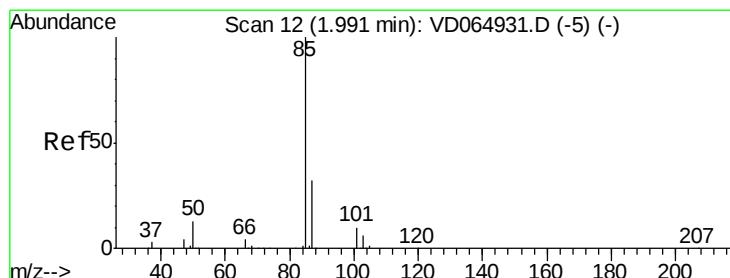
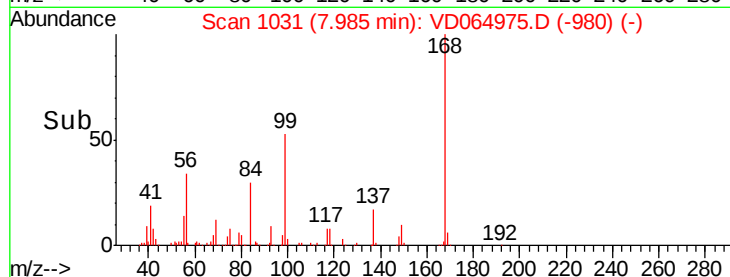
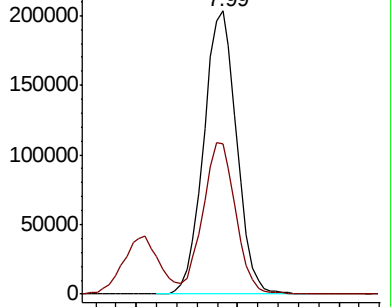
168 100

99 52.9 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 22.023 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064975.D

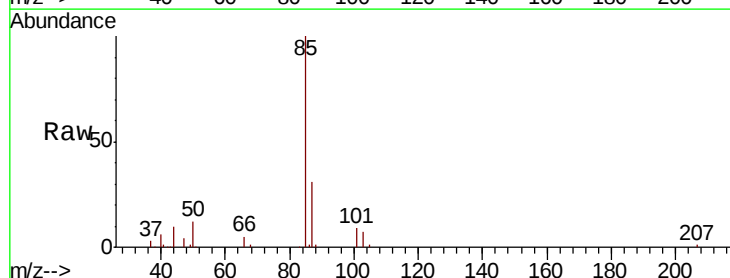
Acq: 28 Jan 2020 12:04

Tgt Ion: 85 Resp: 75926

Ion Ratio Lower Upper

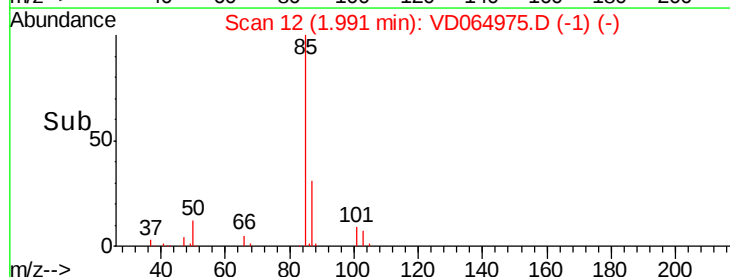
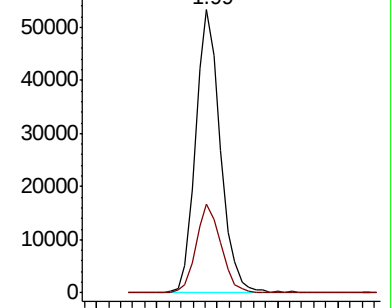
85 100

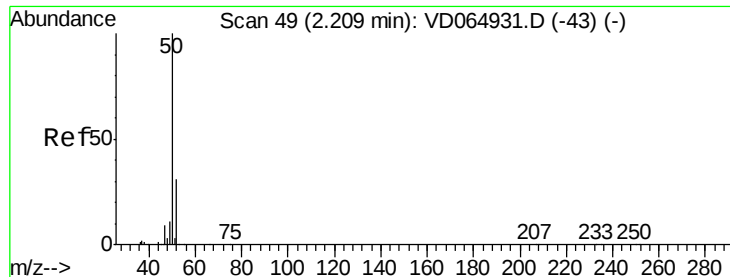
87 31.2 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.280 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.01 min

Lab File: VD064975.D

Acq: 28 Jan 2020 12:04

Instrument :

MSVOA_D

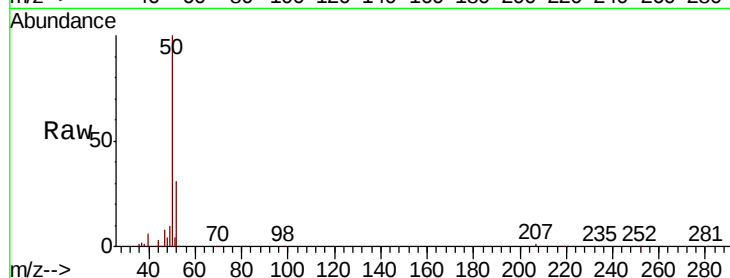
ClientSampleId :

Tot Ion: 50 Resp: 107525

Ion Ratio Lower Upper

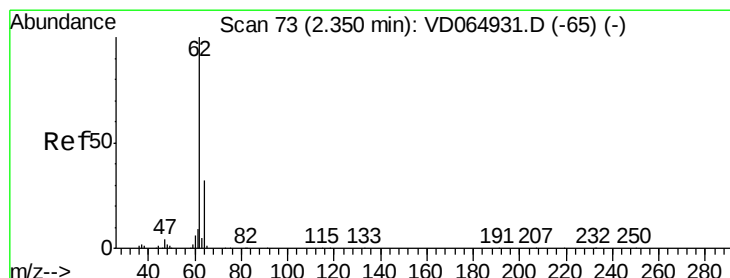
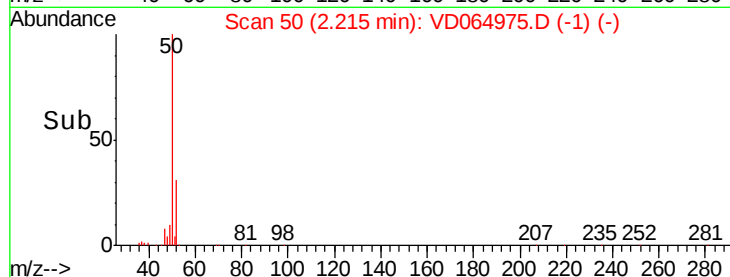
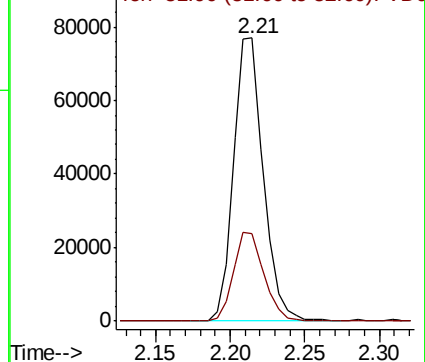
50 100

52 31.0 24.6 36.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.242 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064975.D

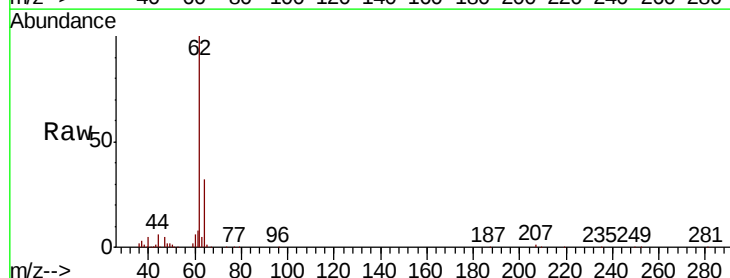
Acq: 28 Jan 2020 12:04

Tgt Ion: 62 Resp: 123277

Ion Ratio Lower Upper

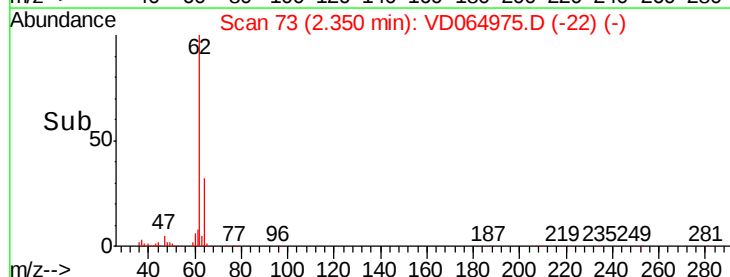
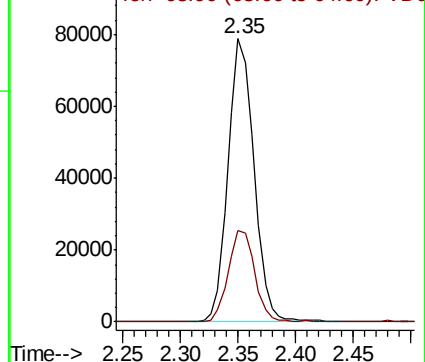
62 100

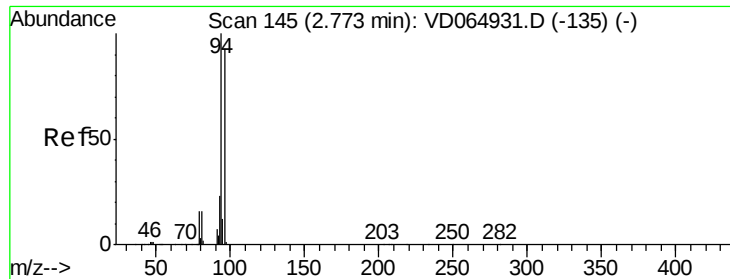
64 32.1 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.788 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064975.D

Acq: 28 Jan 2020 12:04

Instrument :

MSVOA_D

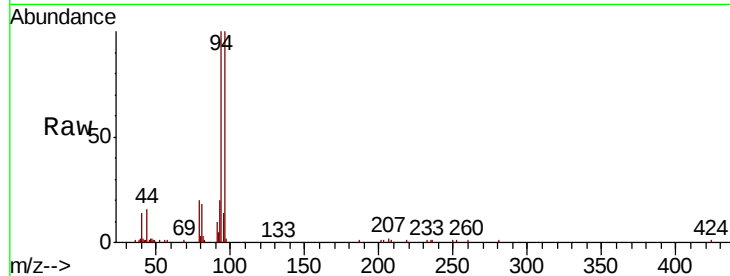
ClientSampleId :

Tot Ion: 94 Resp: 81153

Ion Ratio Lower Upper

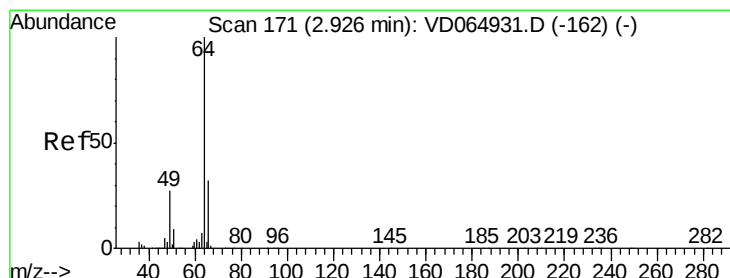
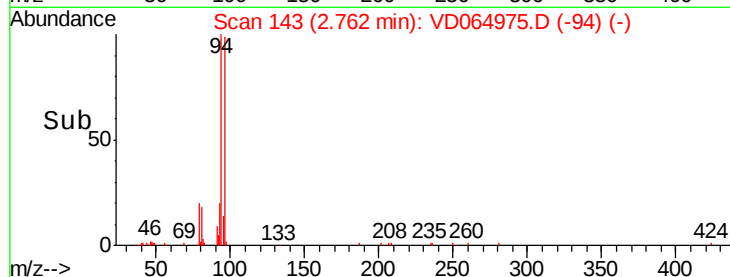
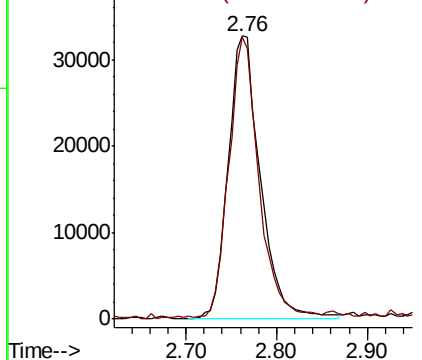
94 100

96 98.5 74.6 111.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.571 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD064975.D

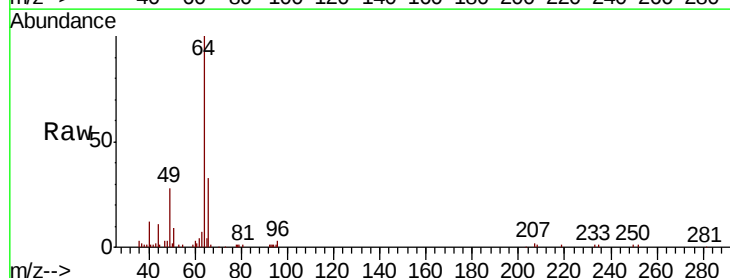
Acq: 28 Jan 2020 12:04

Tgt Ion: 64 Resp: 78706

Ion Ratio Lower Upper

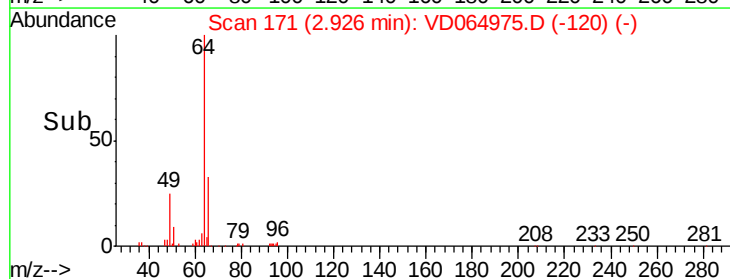
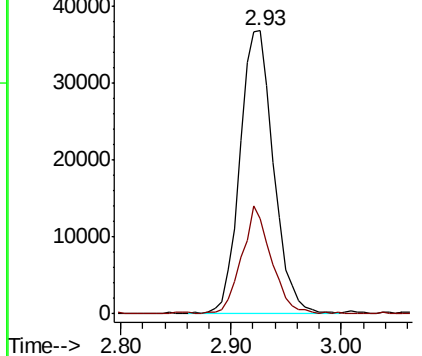
64 100

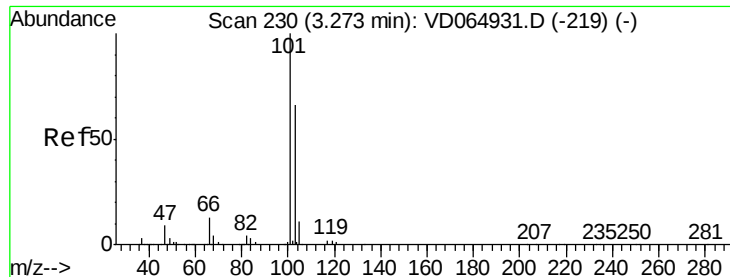
66 33.0 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



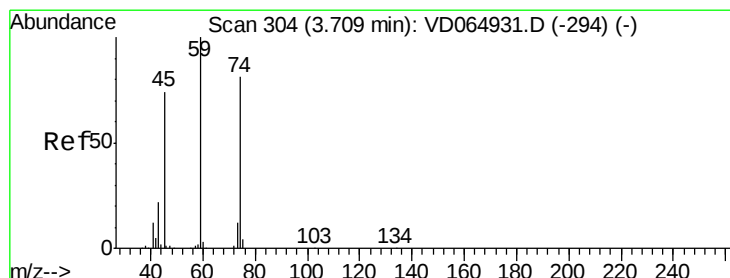
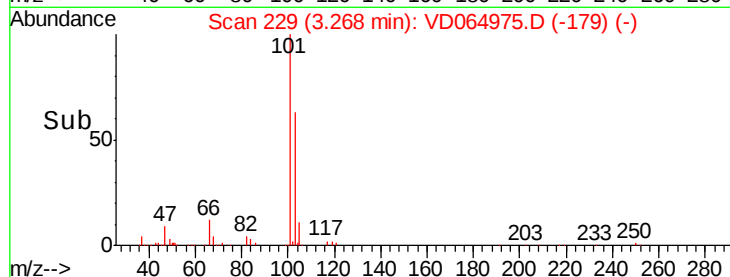
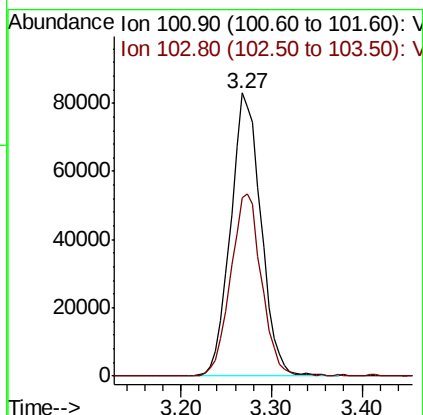
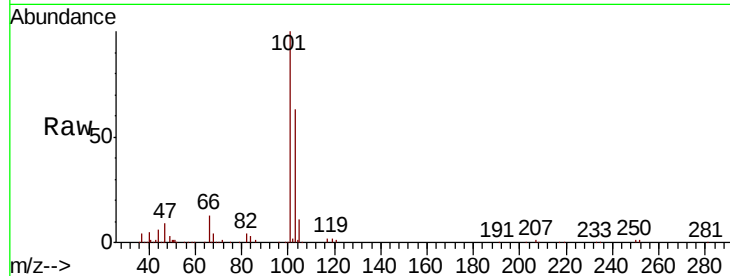


#7

Trichlorofluoromethane
 Concen: 21.599 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD064975.D
 Acq: 28 Jan 2020 12:04

Instrument :
 MSVOA_D
 ClientSampleId :

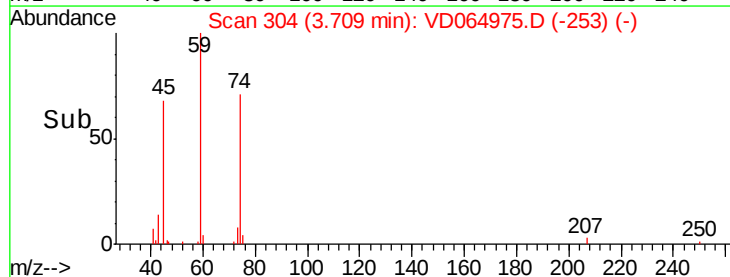
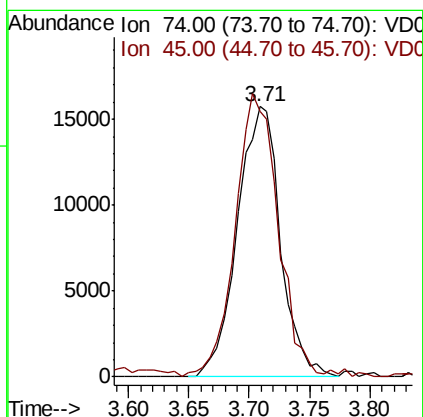
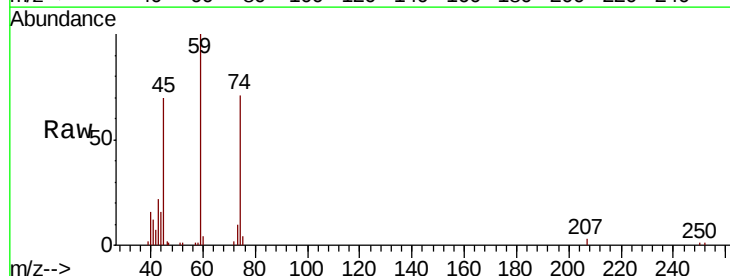
Tot Ion:101 Resp: 193589
 Ion Ratio Lower Upper
 101 100
 103 63.1 52.5 78.7

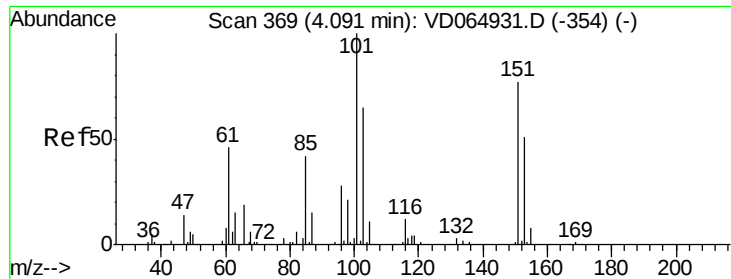


#8

Diethyl Ether
 Concen: 19.329 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064975.D
 Acq: 28 Jan 2020 12:04

Tgt Ion: 74 Resp: 39109
 Ion Ratio Lower Upper
 74 100
 45 104.1 48.5 145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.015 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064975.D

Acq: 28 Jan 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

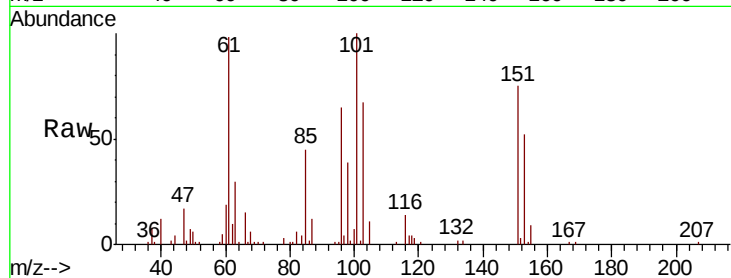
Tot Ion:101 Resp: 91799

Ion Ratio Lower Upper

101 100

85 45.0 35.0 52.4

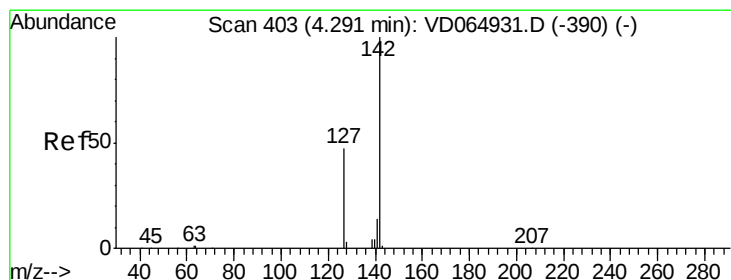
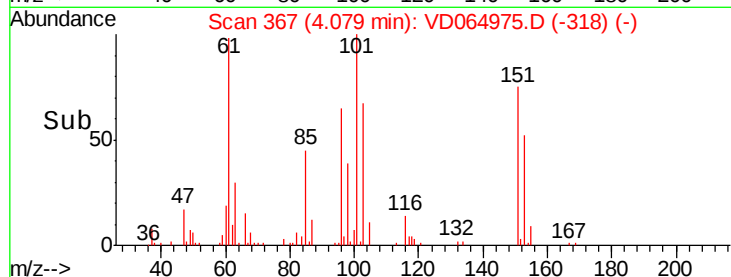
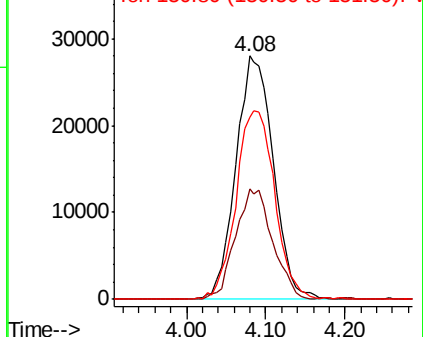
151 80.1 64.6 96.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.878 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD064975.D

Acq: 28 Jan 2020 12:04

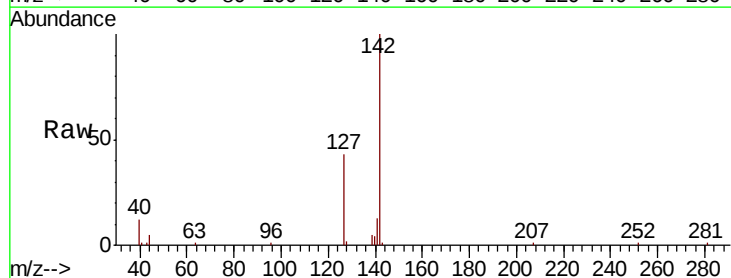
Tgt Ion:142 Resp: 87986

Ion Ratio Lower Upper

142 100

127 44.6 36.2 54.2

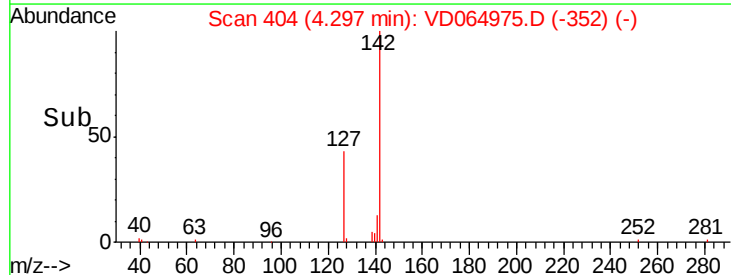
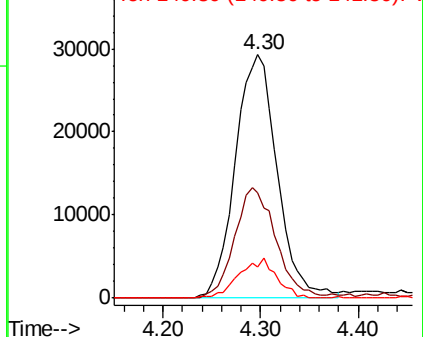
141 14.6 11.6 17.4

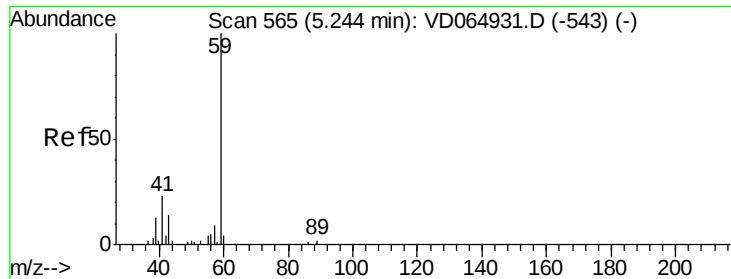


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



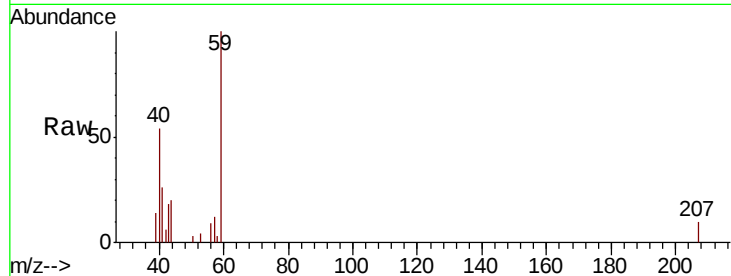


#11

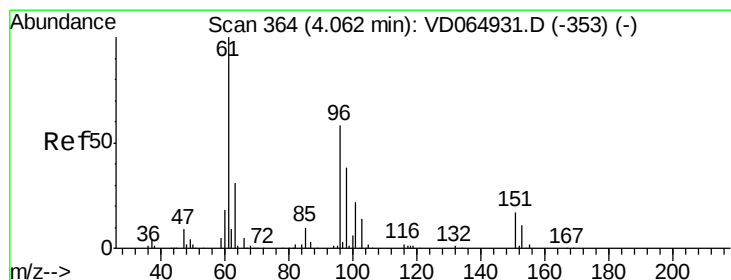
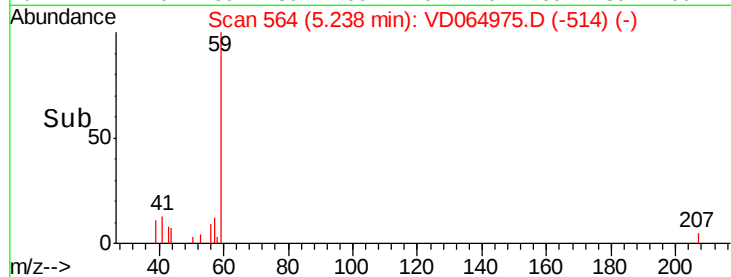
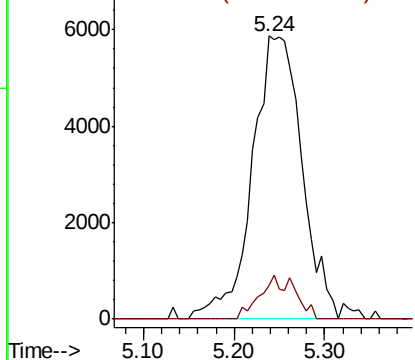
Tert butyl alcohol
 Concen: 91.844 ug/l
 RT: 5.24 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VD064975.D
 Acq: 28 Jan 2020 12:04

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 59 Resp: 22279
 Ion Ratio Lower Upper
 59 100
 57 7.2 7.7 11.5#



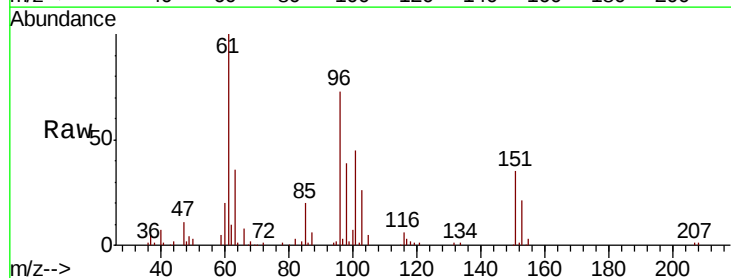
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



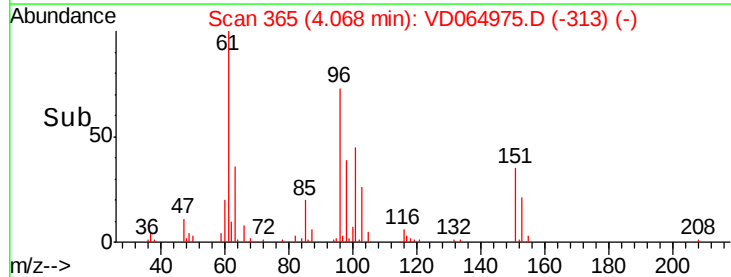
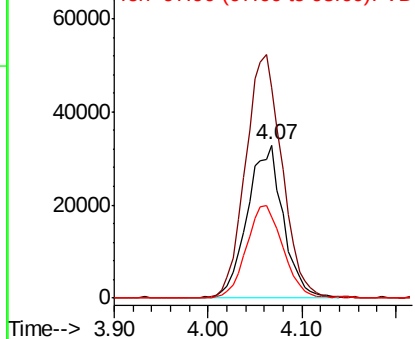
#12

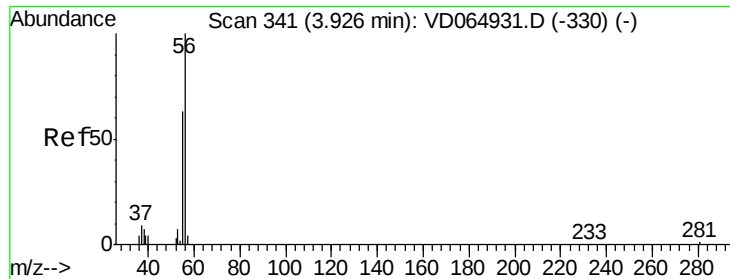
1,1-Dichloroethene
 Concen: 21.750 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VD064975.D
 Acq: 28 Jan 2020 12:04

Tgt Ion: 96 Resp: 86643
 Ion Ratio Lower Upper
 96 100
 61 136.9 137.0 205.4#
 98 52.9 52.1 78.1



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

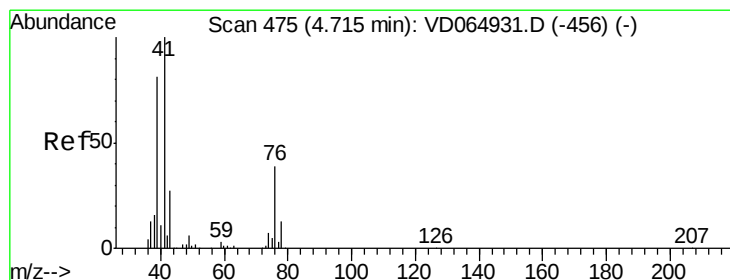
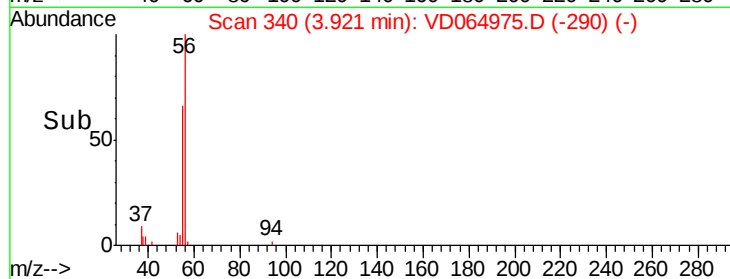
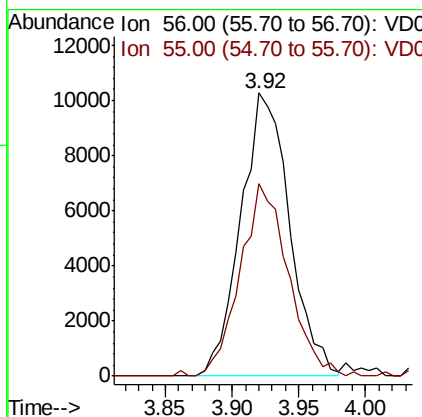
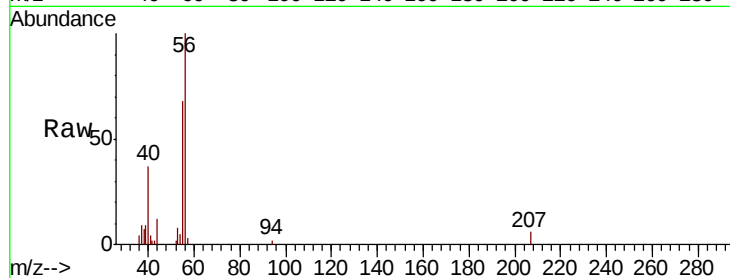




#13
Acrolein
Concen: 85.720 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD064975.D
Acq: 28 Jan 2020 12:04

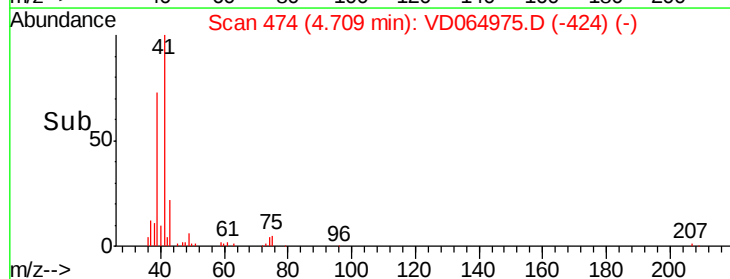
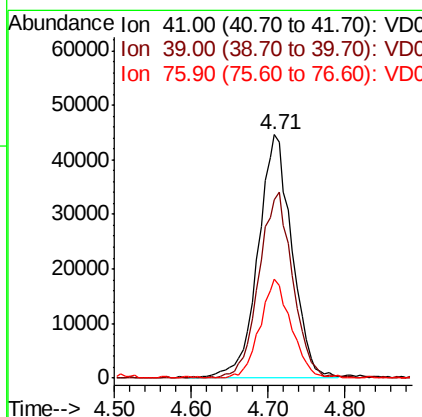
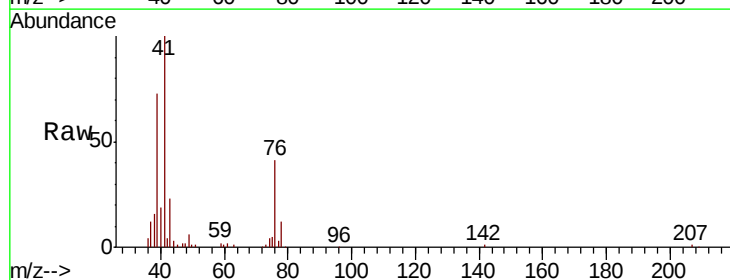
Instrument :
MSVOA_D
ClientSampleId :

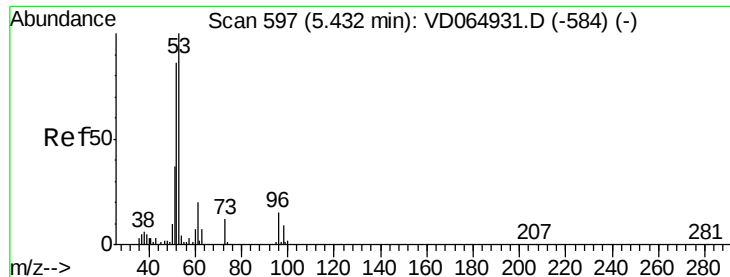
Tot Ion: 56 Resp: 26067
Ion Ratio Lower Upper
56 100
55 66.9 59.7 89.5



#14
Allyl chloride
Concen: 21.480 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD064975.D
Acq: 28 Jan 2020 12:04

Tgt Ion: 41 Resp: 136470
Ion Ratio Lower Upper
41 100
39 76.5 62.0 93.0
76 37.8 29.3 43.9





#15

Acrylonitrile

Concen: 99.640 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064975.D

Acq: 28 Jan 2020 12:04

Instrument :
MSVOA_D
ClientSampled :

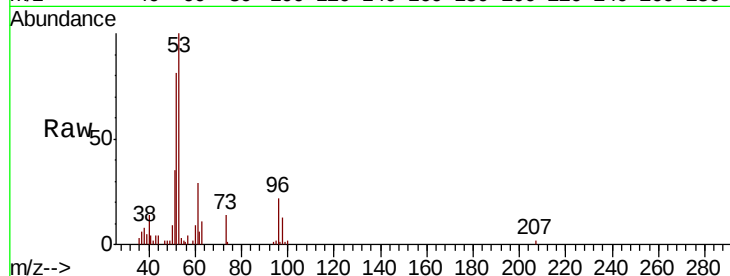
Tot Ion: 53 Resp: 87303

Ion Ratio Lower Upper

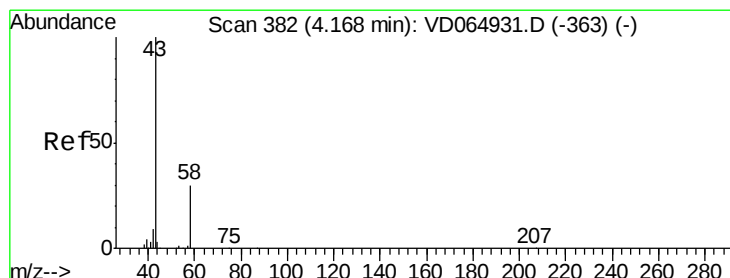
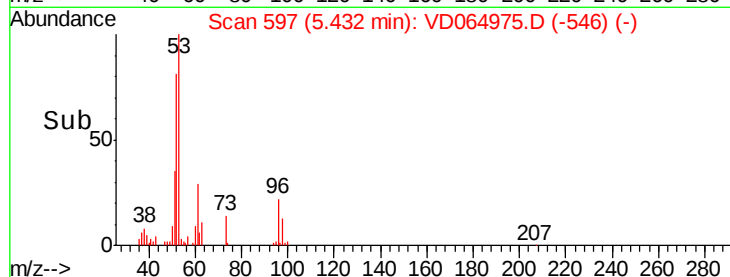
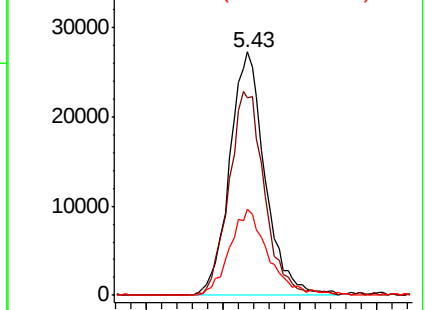
53 100

52 84.4 66.7 100.1

51 38.8 31.1 46.7



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 85.189 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064975.D

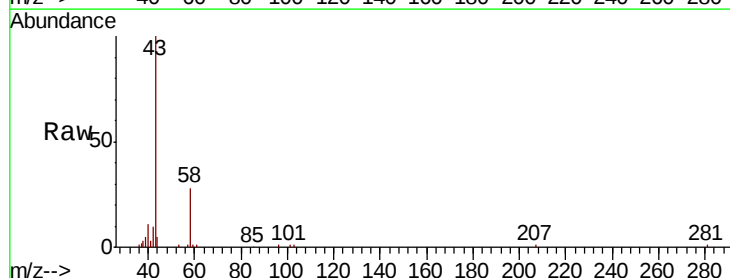
Acq: 28 Jan 2020 12:04

Tgt Ion: 43 Resp: 88516

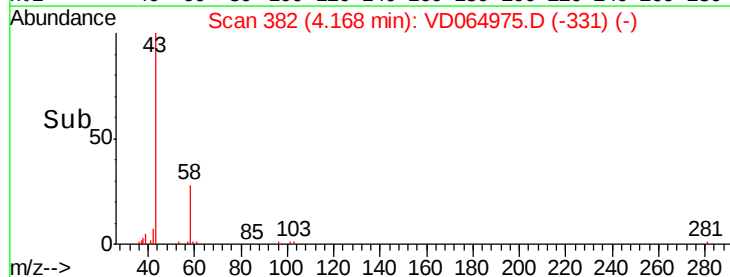
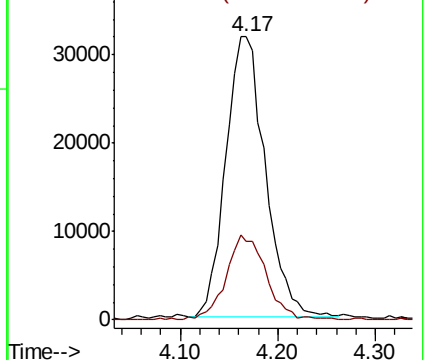
Ion Ratio Lower Upper

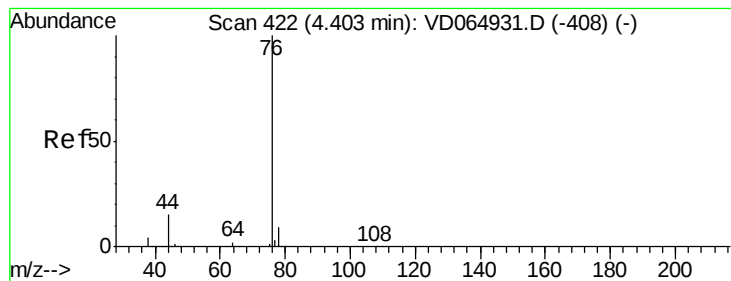
43 100

58 28.3 23.8 35.8



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





#17

Carbon Disulfide

Concen: 21.304 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064975.D

Acq: 28 Jan 2020 12:04

Instrument :

MSVOA_D

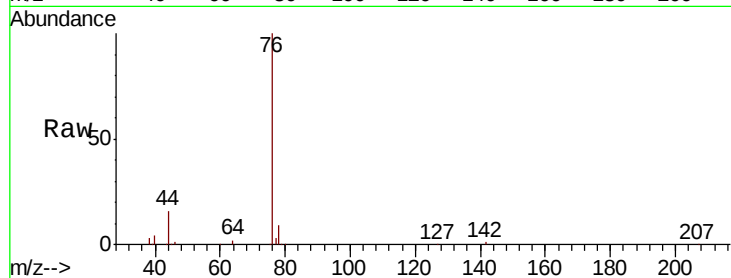
ClientSampled :

Tot Ion: 76 Resp: 279307

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

100000

80000

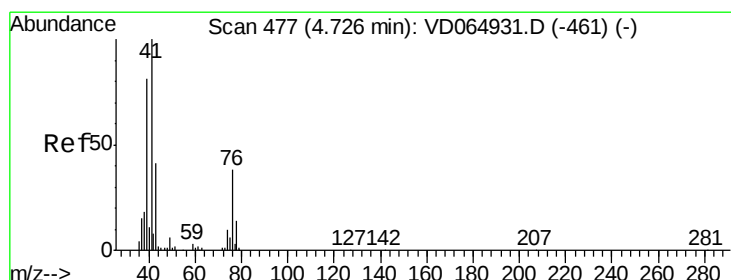
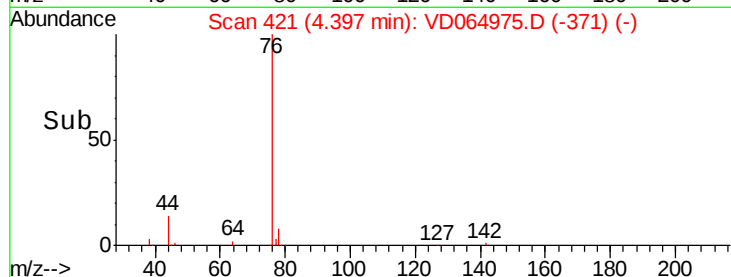
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 20.360 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064975.D

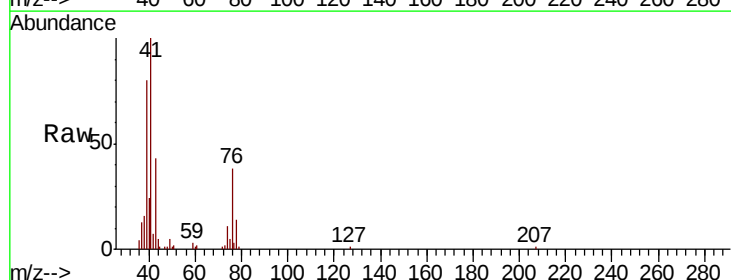
Acq: 28 Jan 2020 12:04

Tgt Ion: 43 Resp: 41858

Ion Ratio Lower Upper

43 100

74 23.8 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

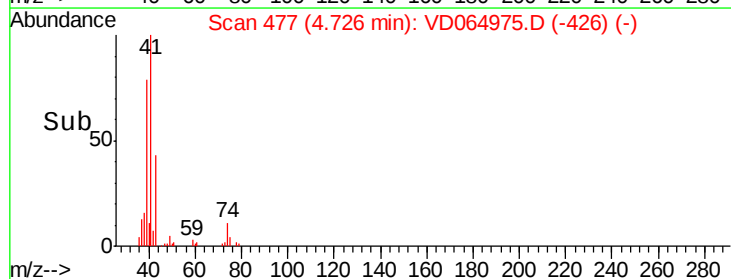
15000

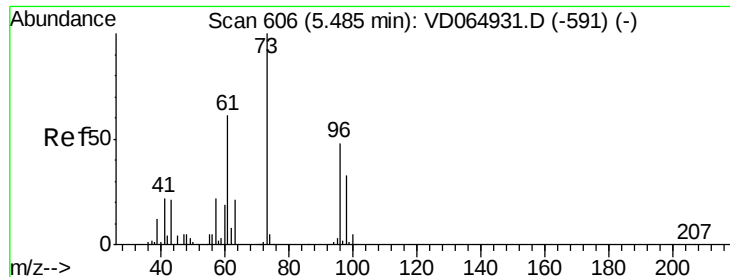
10000

5000

0

Time-->



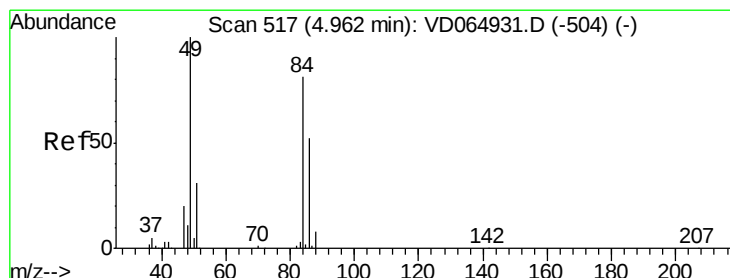
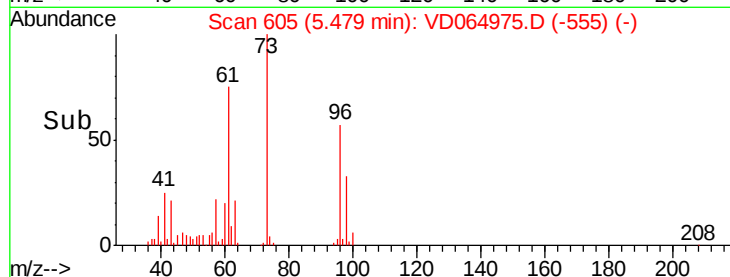
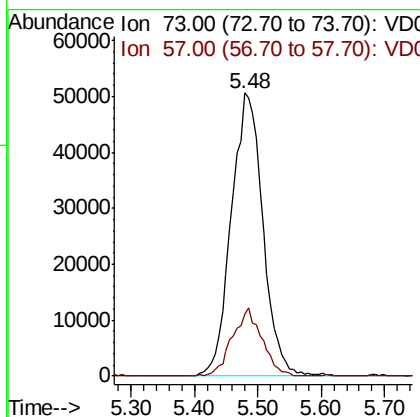
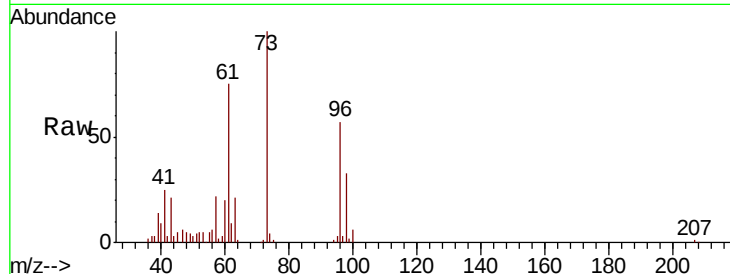


#19

Methyl tert-butyl Ether
 Concen: 19.630 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: VD064975.D
 Acq: 28 Jan 2020 12:04

Instrument :
 MSVOA_D
 ClientSampled :

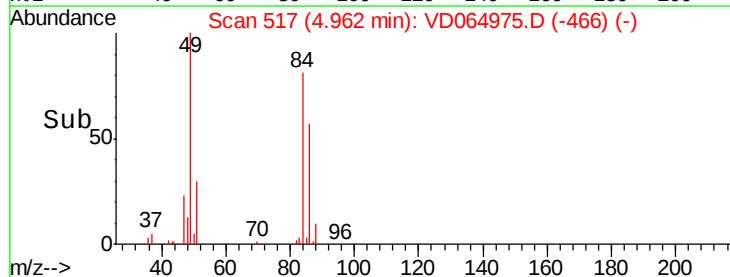
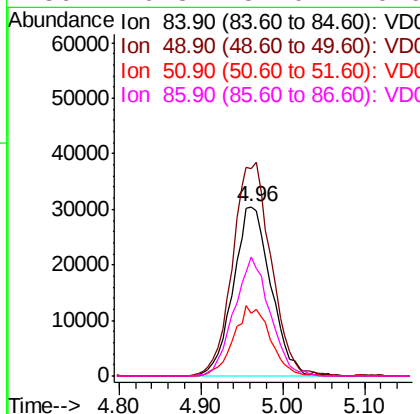
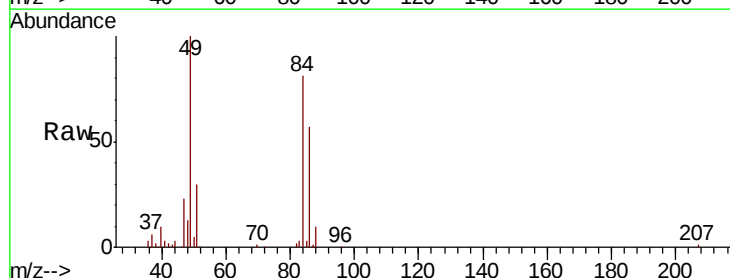
Tot Ion: 73 Resp: 174728
 Ion Ratio Lower Upper
 73 100
 57 21.7 17.9 26.9

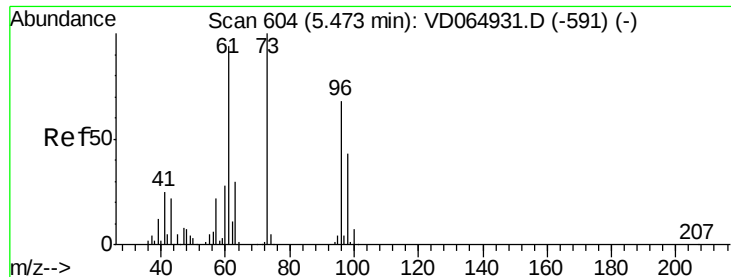


#20

Methylene Chloride
 Concen: 18.921 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064975.D
 Acq: 28 Jan 2020 12:04

Tgt Ion: 84 Resp: 97744
 Ion Ratio Lower Upper
 84 100
 49 122.7 98.4 147.6
 51 37.0 30.8 46.2
 86 70.3 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 21.267 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064975.D

Acq: 28 Jan 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

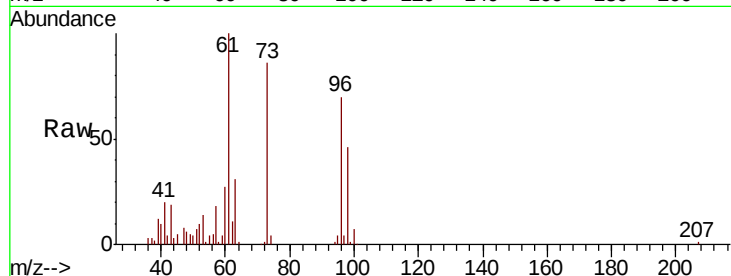
Tot Ion: 96 Resp: 97605

Ion Ratio Lower Upper

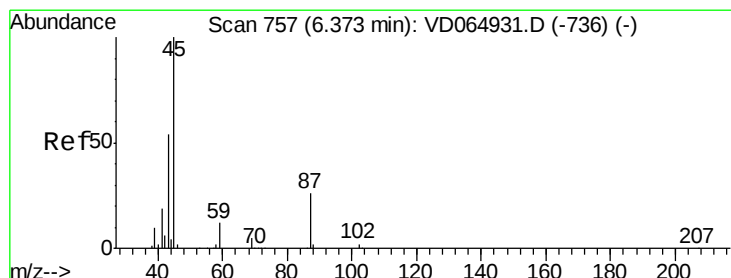
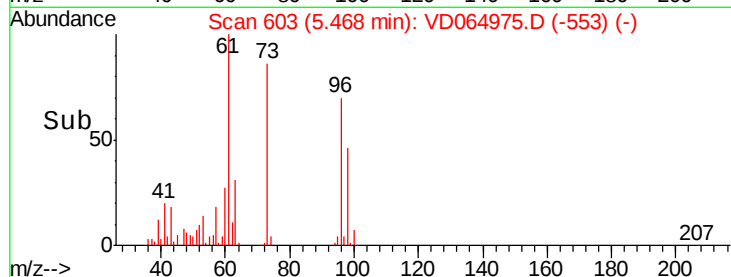
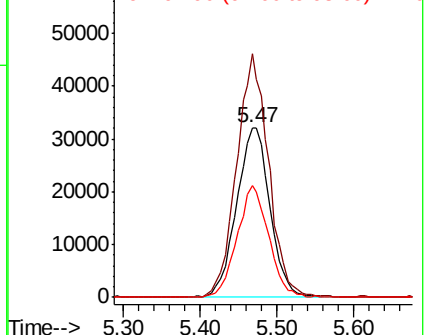
96 100

61 143.5 110.4 165.6

98 65.7 50.5 75.7



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



#22

Diisopropyl ether

Concen: 20.829 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064975.D

Acq: 28 Jan 2020 12:04

Tgt Ion: 45 Resp: 263729

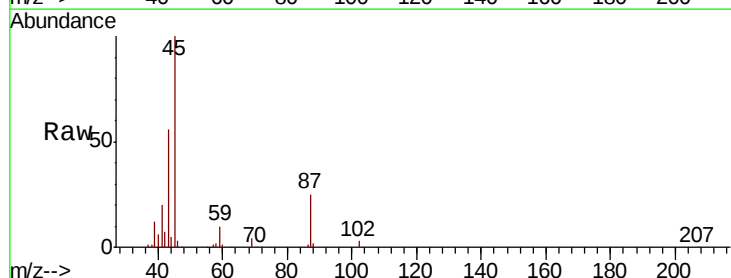
Ion Ratio Lower Upper

45 100

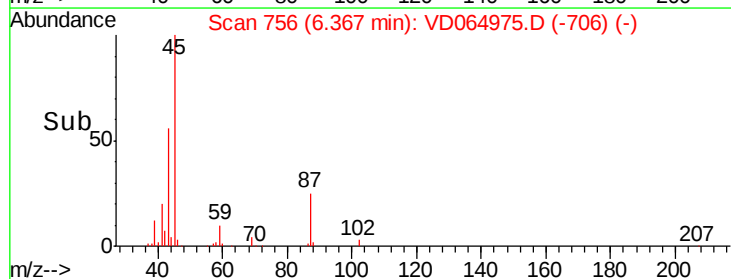
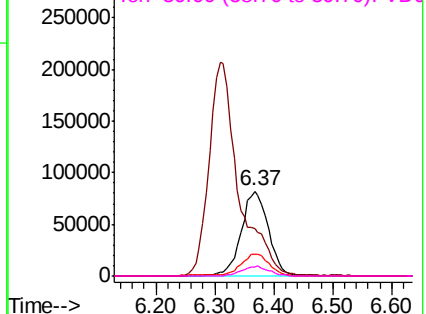
43 55.1 43.1 64.7

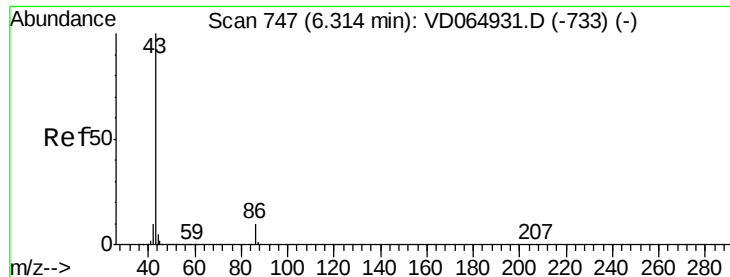
87 25.1 21.4 32.2

59 9.9 9.5 14.3



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





#23

Vinyl Acetate

Concen: 97.332 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064975.D

Acq: 28 Jan 2020 12:04

Instrument :

MSVOA_D

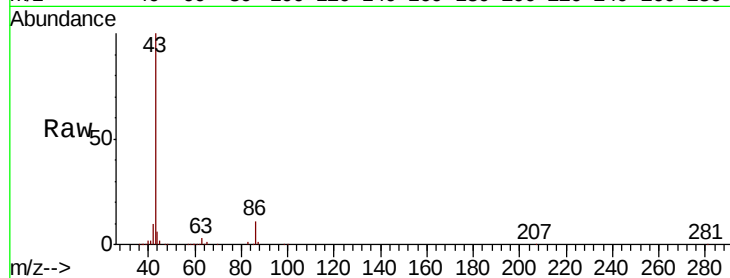
ClientSampleId :

Tot Ion: 43 Resp: 721557

Ion Ratio Lower Upper

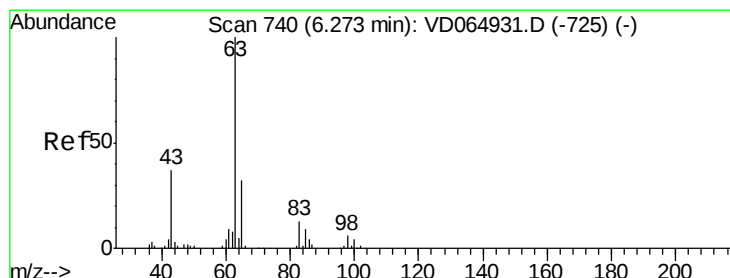
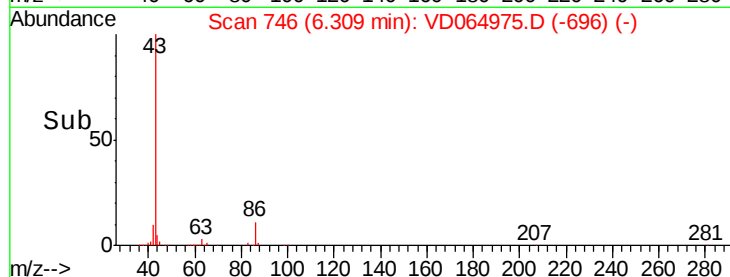
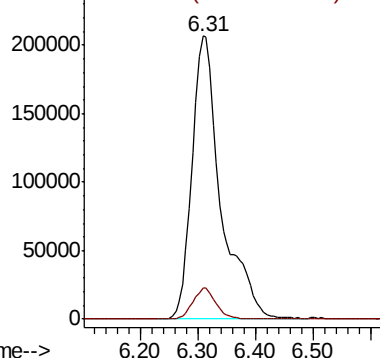
43 100

86 11.1 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.445 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD064975.D

Acq: 28 Jan 2020 12:04

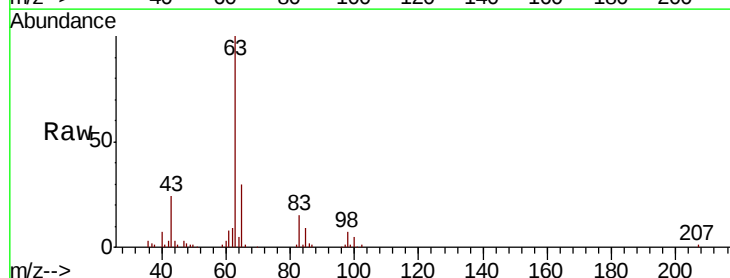
Tgt Ion: 63 Resp: 166713

Ion Ratio Lower Upper

63 100

98 7.1 3.1 9.3

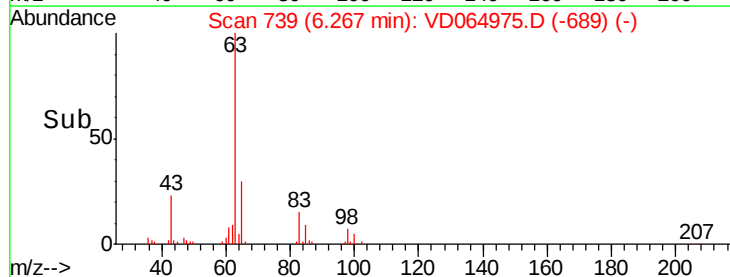
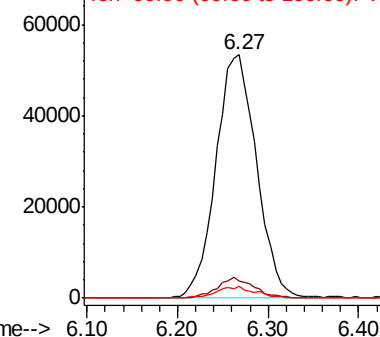
100 4.9 2.3 6.8

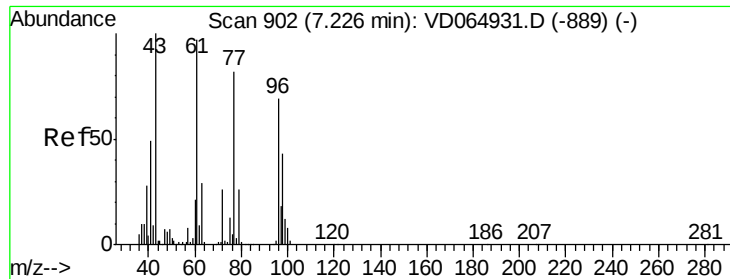


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

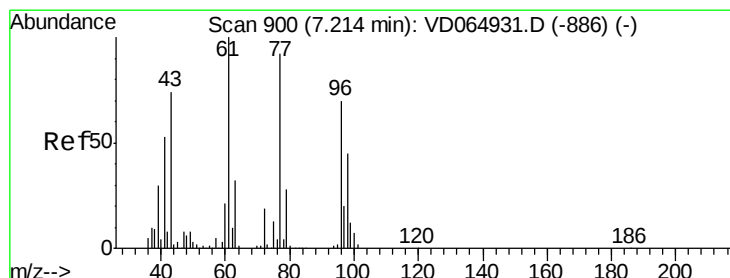
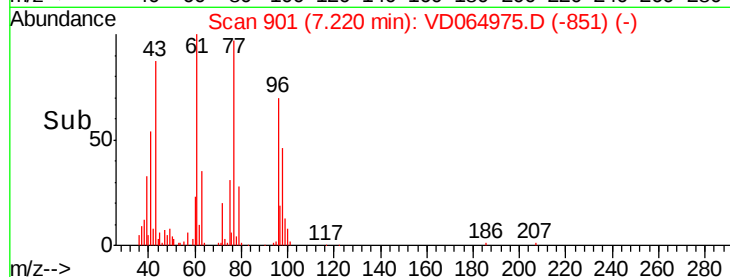
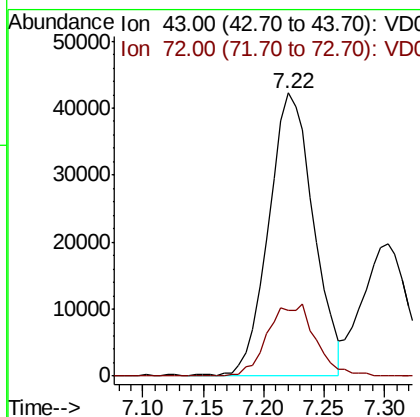
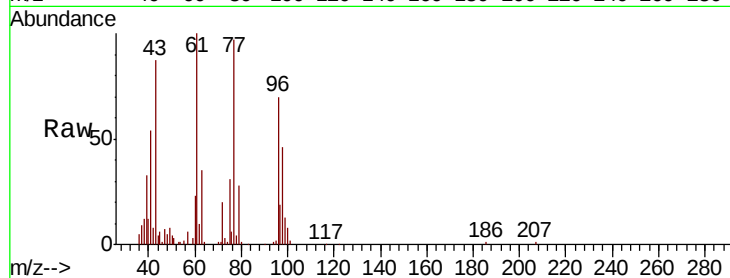




#25
2-Butanone
Concen: 91.714 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.01 min
Lab File: VD064975.D
Acq: 28 Jan 2020 12:04

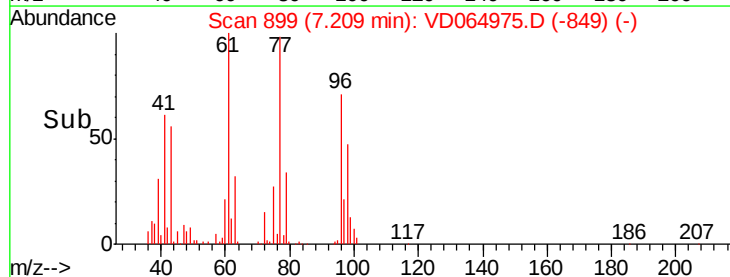
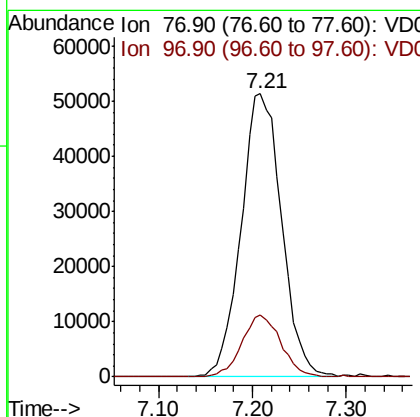
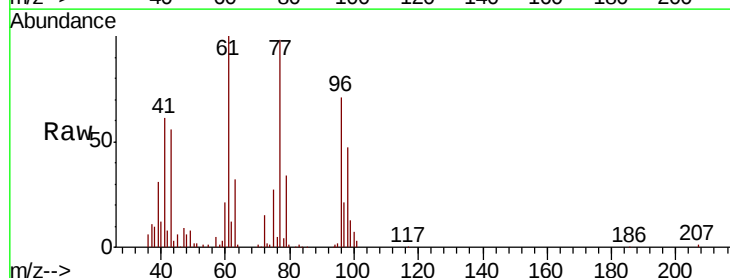
Instrument :
MSVOA_D
ClientSampleId :

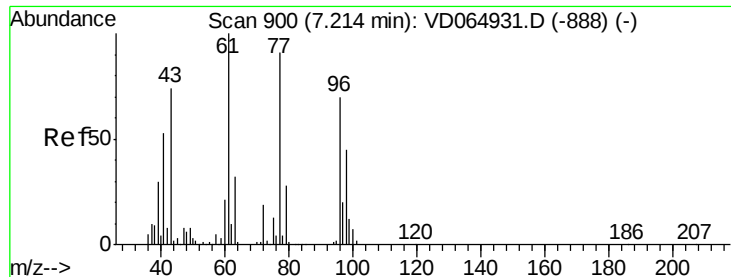
Tot Ion: 43 Resp: 108766
Ion Ratio Lower Upper
43 100
72 23.3 20.6 31.0



#26
2,2-Dichloropropane
Concen: 21.713 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064975.D
Acq: 28 Jan 2020 12:04

Tgt Ion: 77 Resp: 153112
Ion Ratio Lower Upper
77 100
97 21.3 11.4 34.2



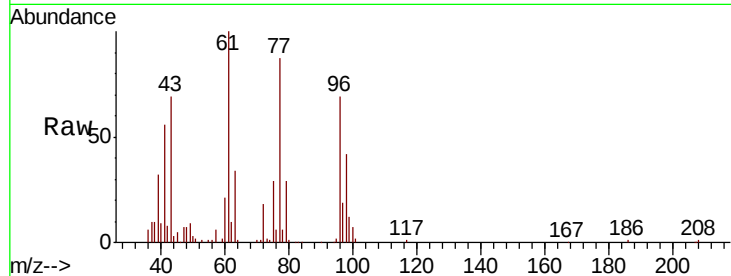


#27

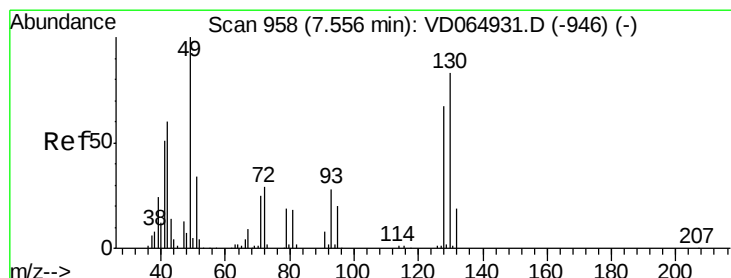
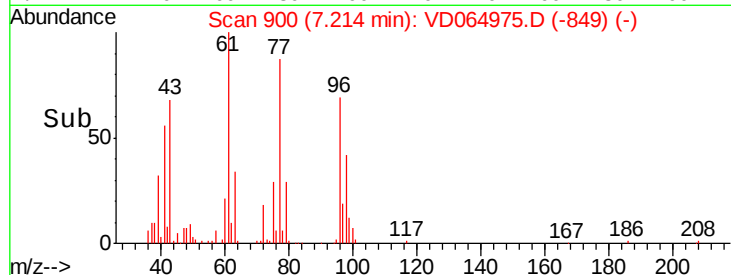
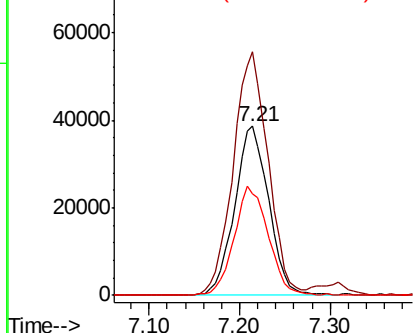
cis-1,2-Dichloroethene
 Concen: 20.616 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064975.D
 Acq: 28 Jan 2020 12:04

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 96 Resp: 100990
 Ion Ratio Lower Upper
 96 100
 61 146.8 0.0 292.8
 98 64.4 0.0 130.0



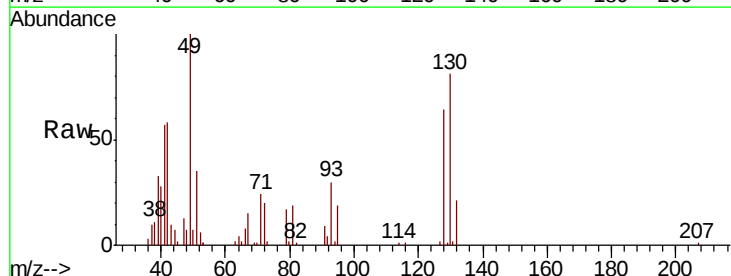
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



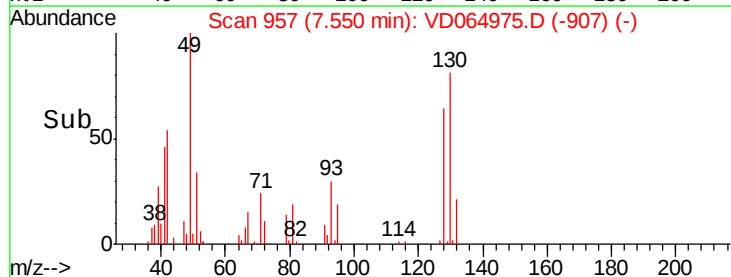
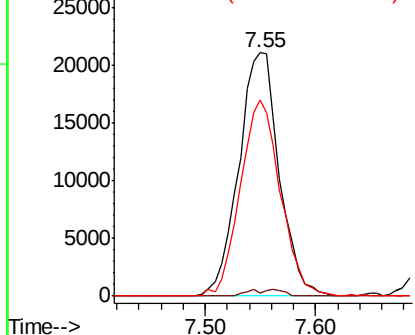
#28

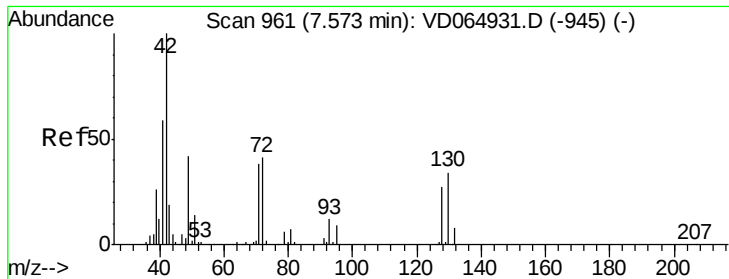
Bromochloromethane
 Concen: 17.462 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: VD064975.D
 Acq: 28 Jan 2020 12:04

Tgt Ion: 49 Resp: 54290
 Ion Ratio Lower Upper
 49 100
 129 1.0 0.0 4.4
 130 79.8 63.8 95.8



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

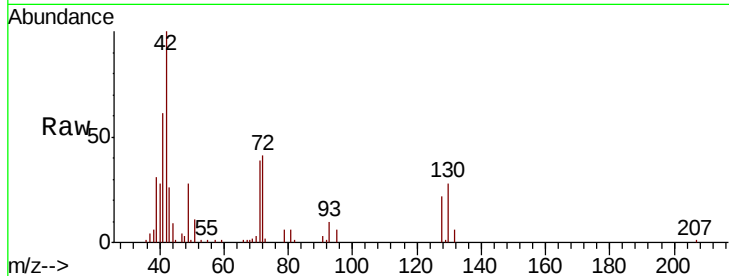




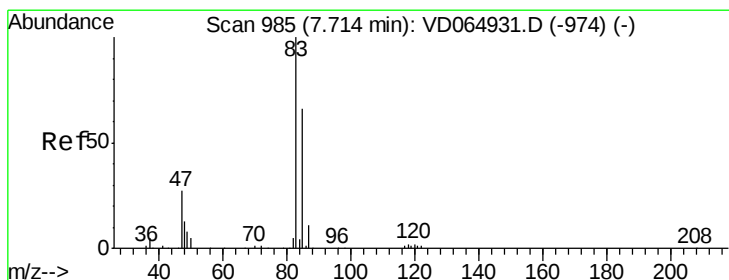
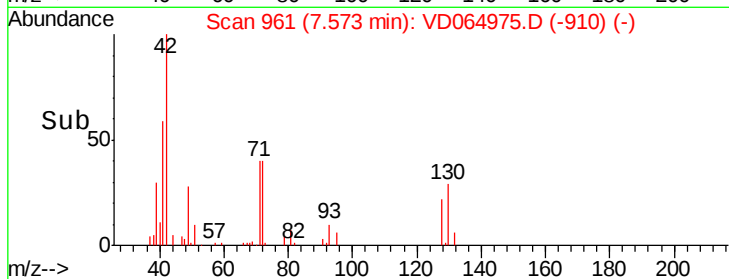
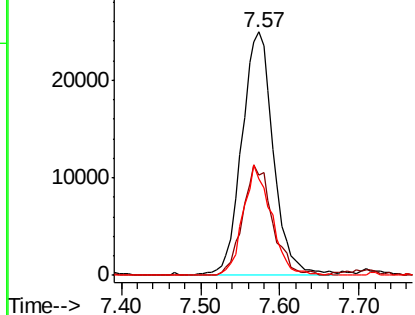
#29
Tetrahydrofuran
Concen: 94.655 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064975.D
Acq: 28 Jan 2020 12:04

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 69261
Ion Ratio Lower Upper
42 100
72 42.4 34.0 51.0
71 40.2 31.5 47.3

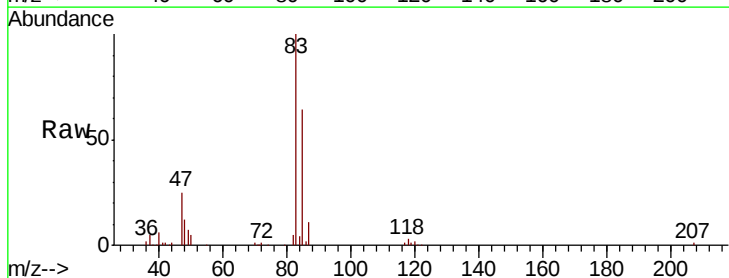


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

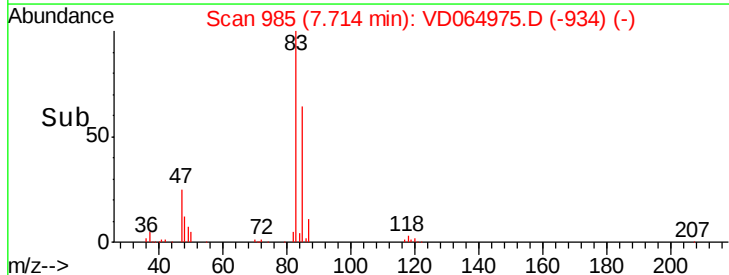
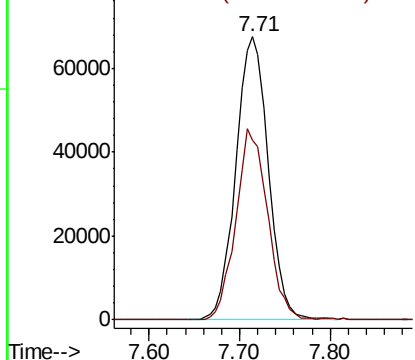


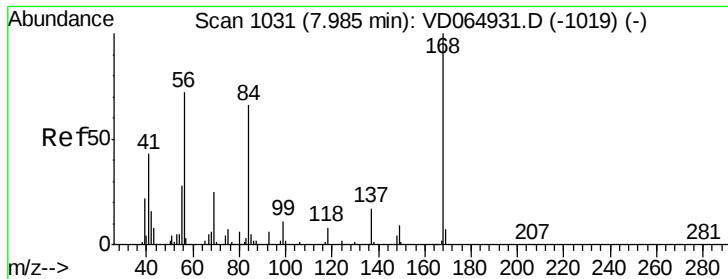
#30
Chloroform
Concen: 20.879 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064975.D
Acq: 28 Jan 2020 12:04

Tgt Ion: 83 Resp: 167789
Ion Ratio Lower Upper
83 100
85 63.5 52.4 78.6



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

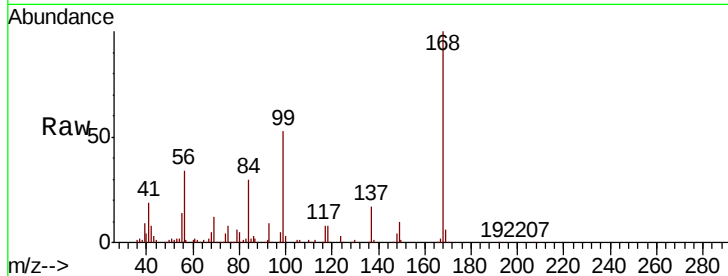




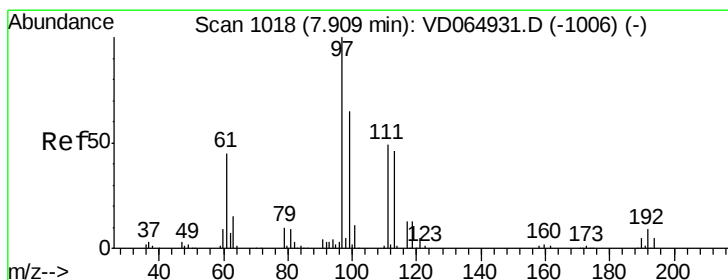
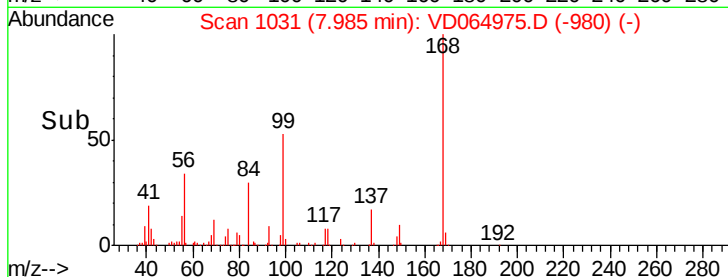
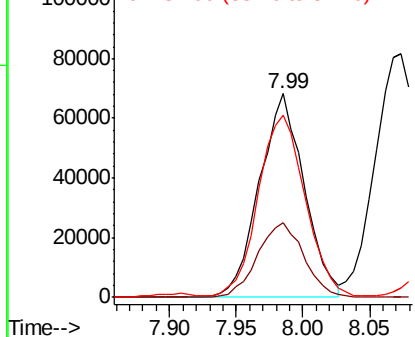
#31
Cyclohexane
Concen: 20.830 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064975.D
Acq: 28 Jan 2020 12:04

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 159301
Ion Ratio Lower Upper
56 100
69 36.8 27.9 41.9
84 88.2 72.8 109.2

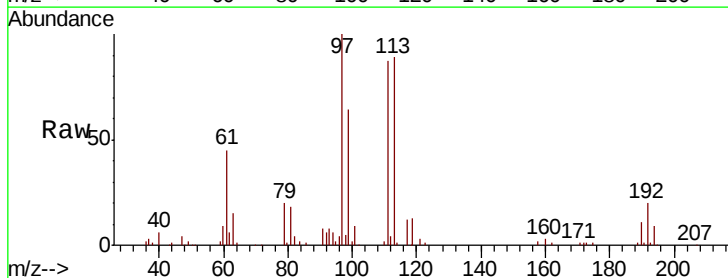


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

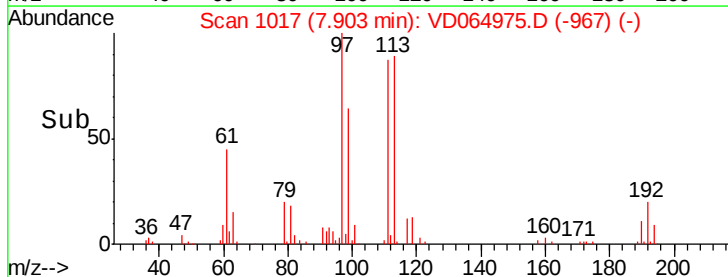
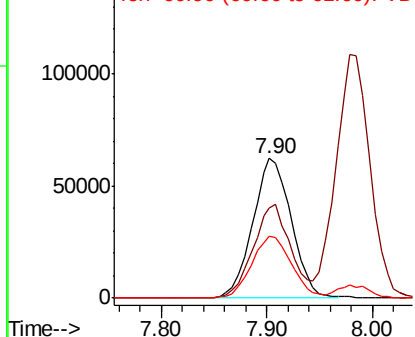


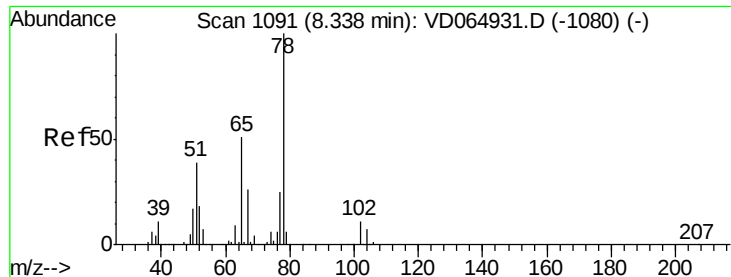
#32
1,1,1-Trichloroethane
Concen: 21.112 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064975.D
Acq: 28 Jan 2020 12:04

Tgt Ion: 97 Resp: 157837
Ion Ratio Lower Upper
97 100
99 65.9 50.6 76.0
61 45.7 35.7 53.5



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





#33

1,2-Dichloroethane-d4

Concen: 50.396 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064975.D

Acq: 28 Jan 2020 12:04

Instrument :

MSVOA_D

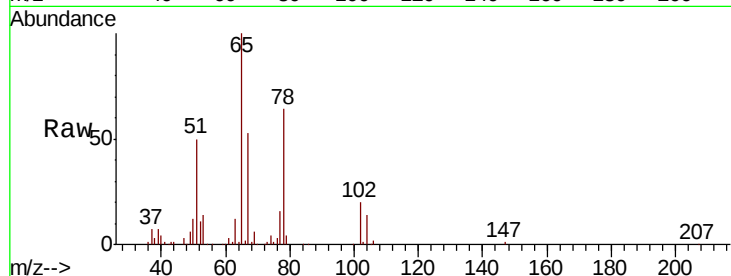
ClientSampleId :

Tot Ion: 65 Resp: 221221

Ion Ratio Lower Upper

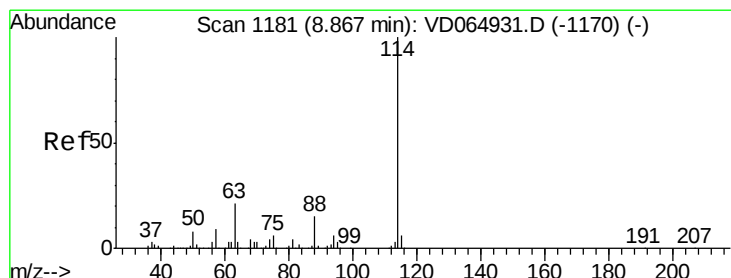
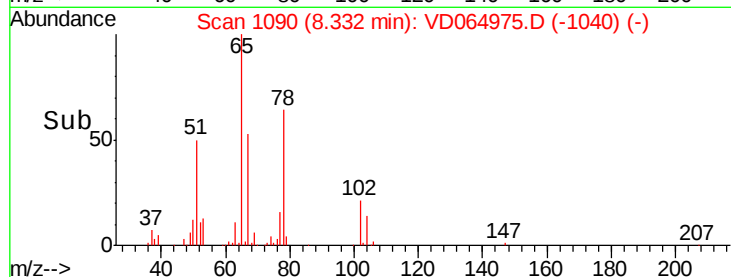
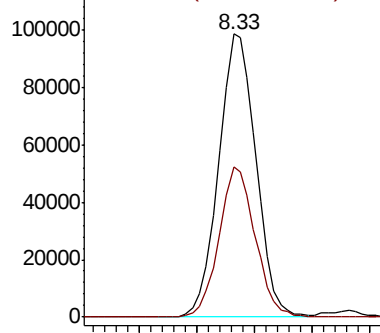
65 100

67 51.5 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064975.D

Acq: 28 Jan 2020 12:04

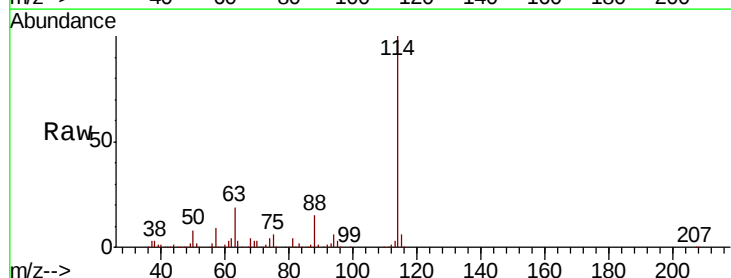
Tgt Ion: 114 Resp: 681415

Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.0

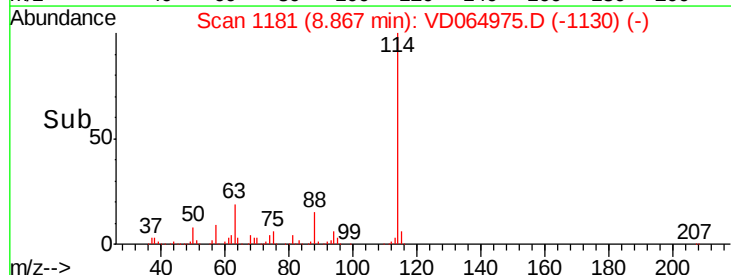
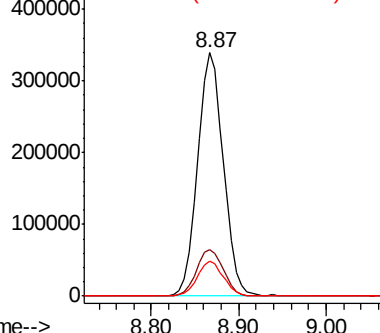
88 14.5 0.0 29.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

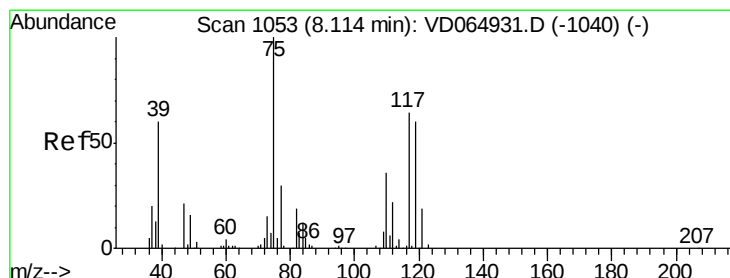
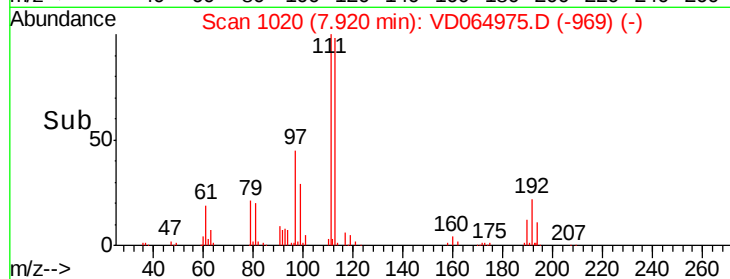
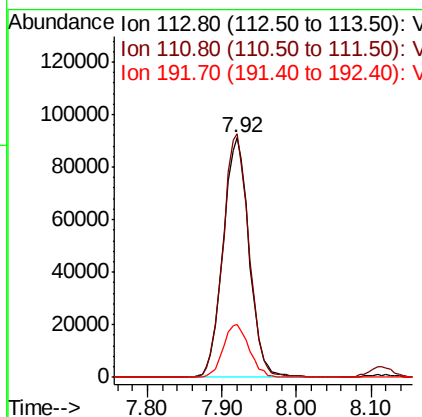
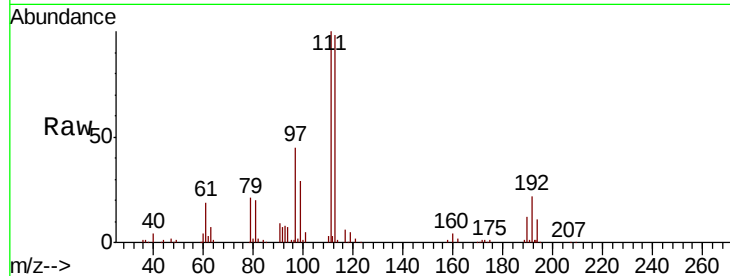




#35
 Dibromofluoromethane
 Concen: 51.808 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064975.D
 Acq: 28 Jan 2020 12:04

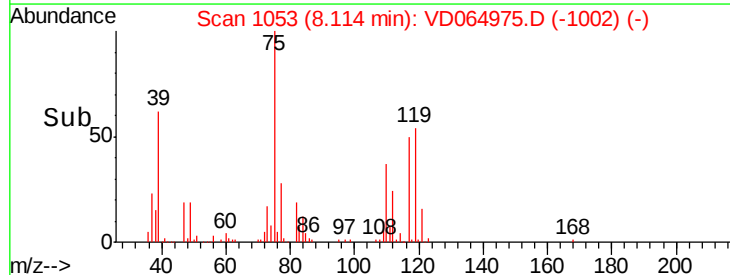
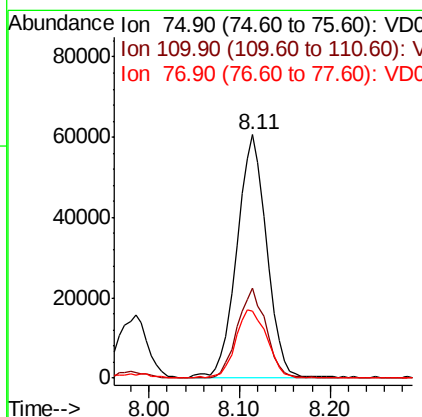
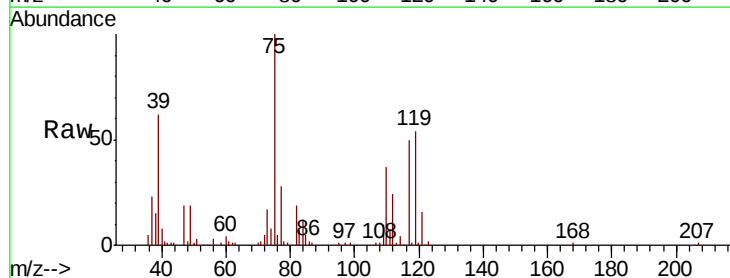
Instrument :
 MSVOA_D
 ClientSampleId :

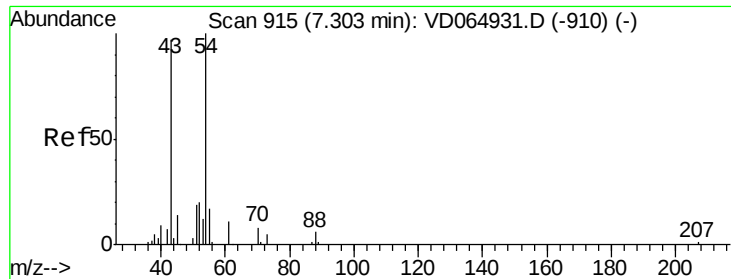
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.6	82.4	123.6
192	22.0	16.9	25.3



#36
 1,1-Dichloropropene
 Concen: 21.141 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064975.D
 Acq: 28 Jan 2020 12:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.4	17.3	52.0
77	29.9	24.7	37.1

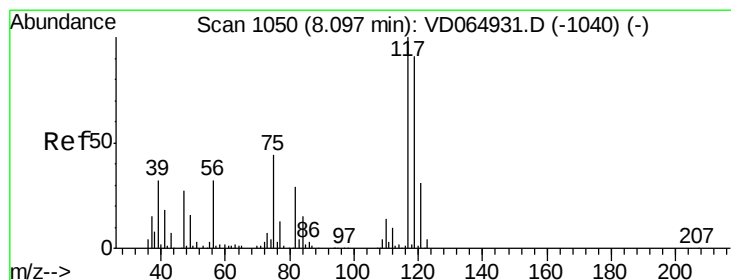
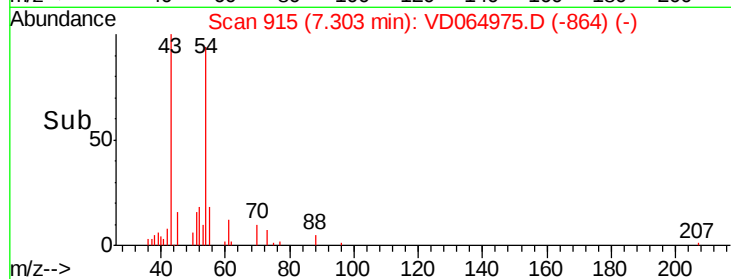
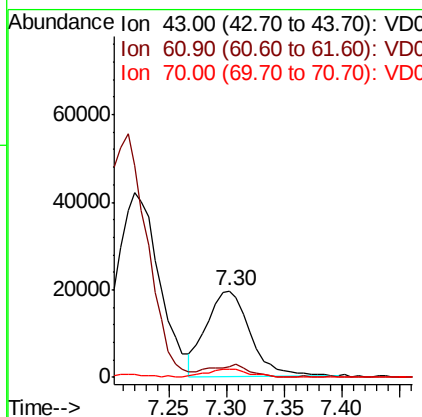
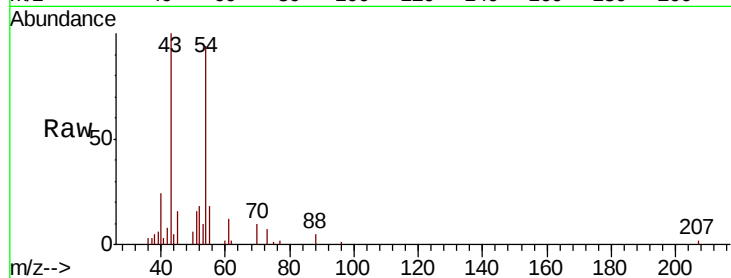




#37
Ethyl Acetate
Concen: 18.986 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064975.D
Acq: 28 Jan 2020 12:04

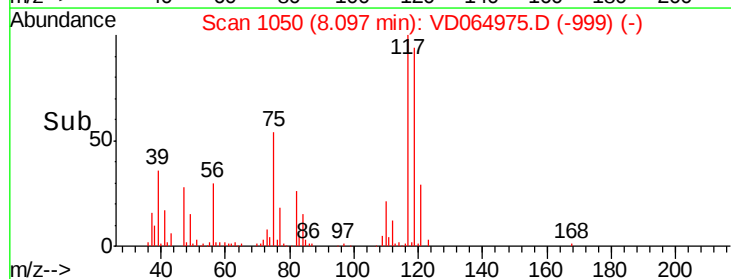
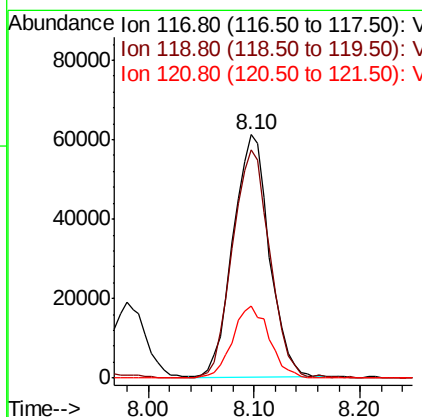
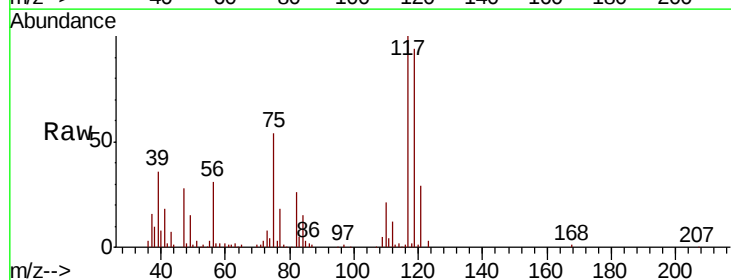
Instrument :
MSVOA_D
ClientSampleId :

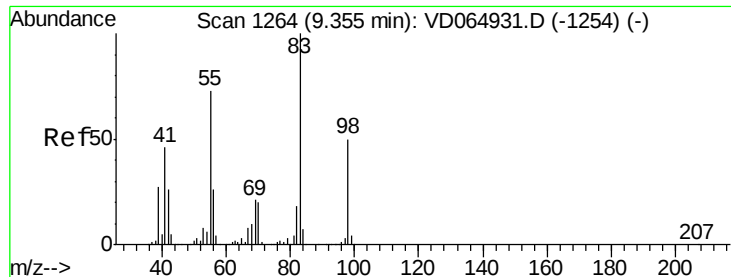
Tot Ion: 43 Resp: 51530
Ion Ratio Lower Upper
43 100
61 13.7 11.0 16.4
70 9.7 7.5 11.3



#38
Carbon Tetrachloride
Concen: 20.966 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064975.D
Acq: 28 Jan 2020 12:04

Tgt Ion: 117 Resp: 145607
Ion Ratio Lower Upper
117 100
119 94.1 73.2 109.8
121 29.5 24.4 36.6

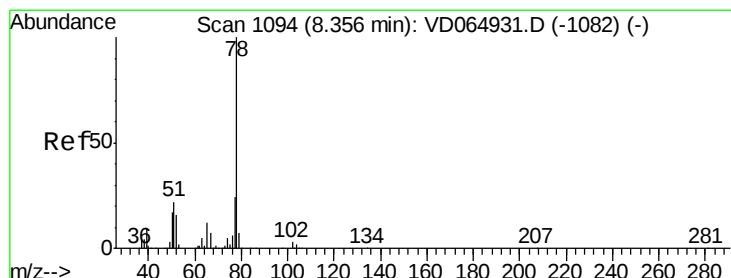
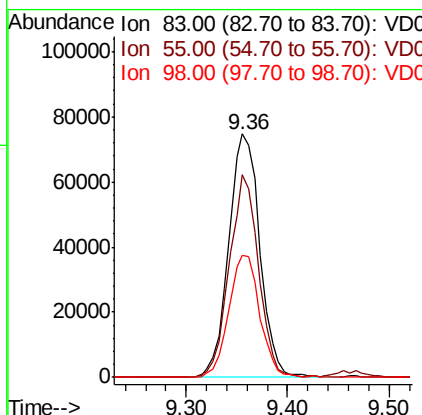
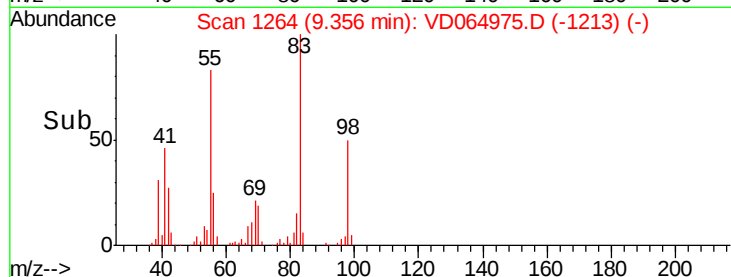
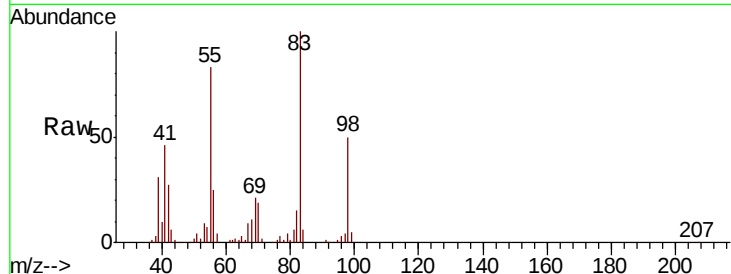




#39
Methvlcvclohexane
Concen: 20.697 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064975.D
Acq: 28 Jan 2020 12:04

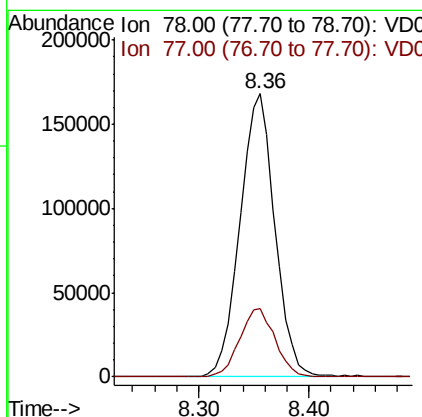
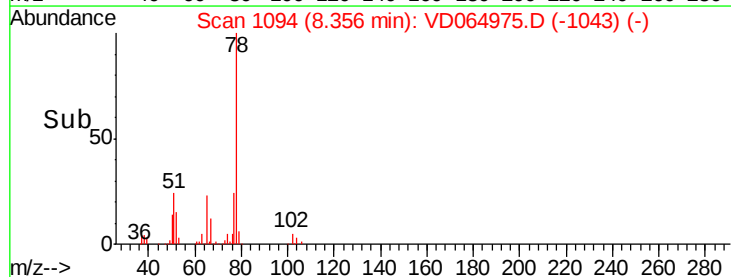
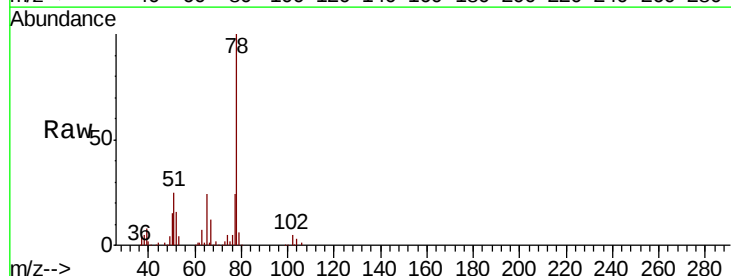
Instrument :
MSVOA_D
ClientSampleId :

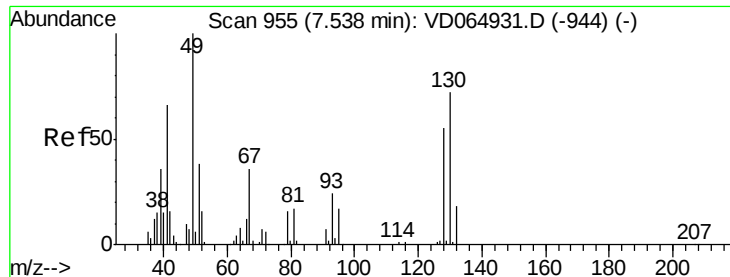
Tot Ion: 83 Resp: 158997
Ion Ratio Lower Upper
83 100
55 83.4 58.7 88.1
98 50.1 40.2 60.2



#40
Benzene
Concen: 20.581 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064975.D
Acq: 28 Jan 2020 12:04

Tgt Ion: 78 Resp: 372450
Ion Ratio Lower Upper
78 100
77 24.0 19.2 28.8

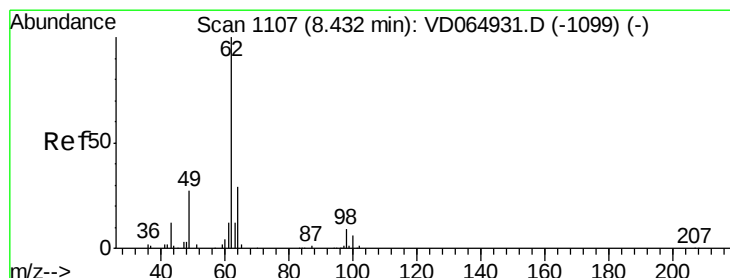
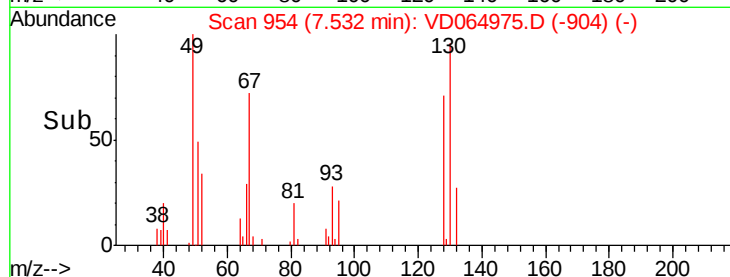
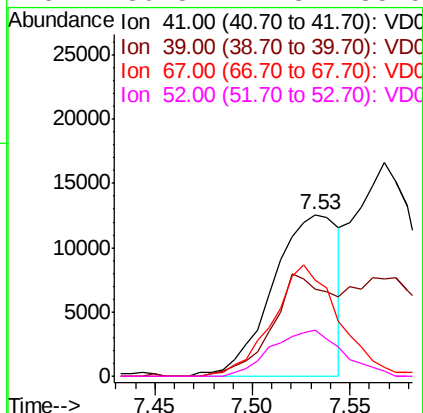
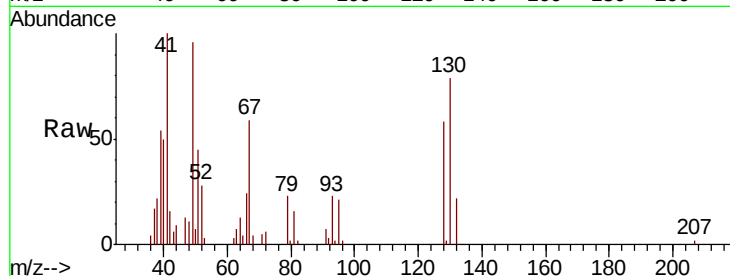




#41
Methacrylonitrile
Concen: 20.100 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.01 min
Lab File: VD064975.D
Acq: 28 Jan 2020 12:04

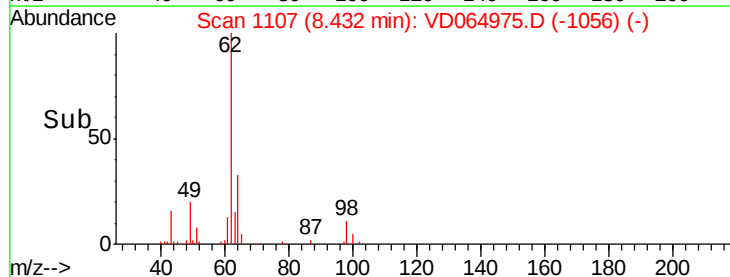
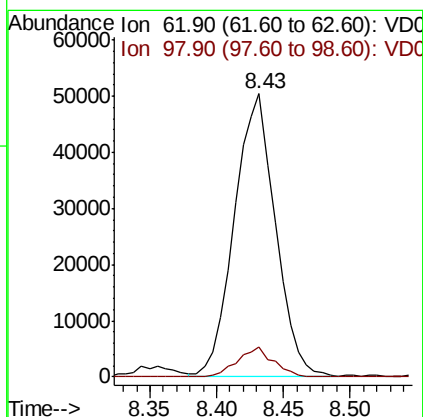
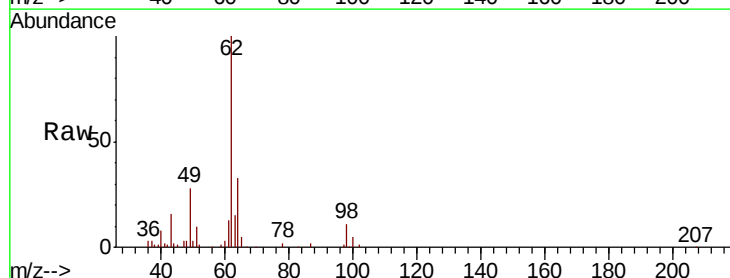
Instrument :
MSVOA_D
ClientSampled :

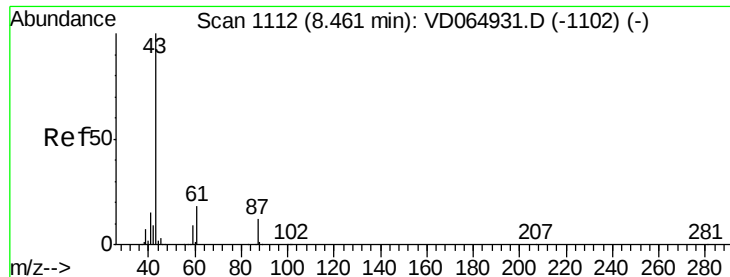
Tot Ion:	41	Resp:	29388
Ion	Ratio	Lower	Upper
41	100		
39	57.6	49.3	73.9
67	69.8	51.0	76.6
52	30.8	22.3	33.5



#42
1,2-Dichloroethane
Concen: 19.866 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD064975.D
Acq: 28 Jan 2020 12:04

Tgt Ion:	62	Resp:	107091
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.8





#43

Isopropyl Acetate

Concen: 18.968 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD064975.D

Acq: 28 Jan 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

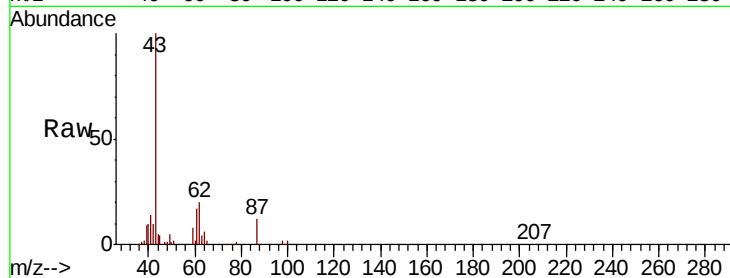
Tot Ion: 43 Resp: 97792

Ion Ratio Lower Upper

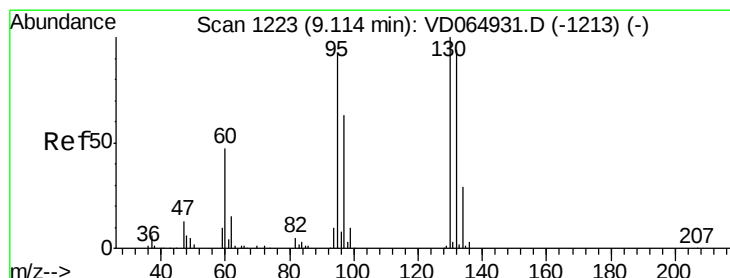
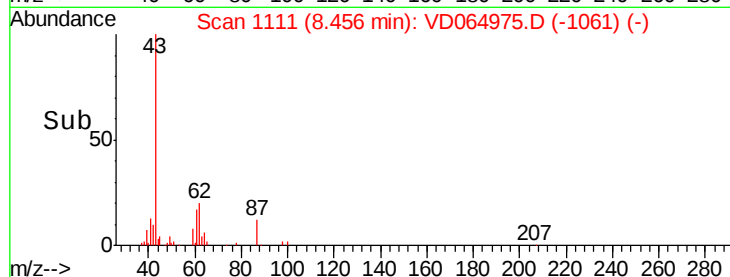
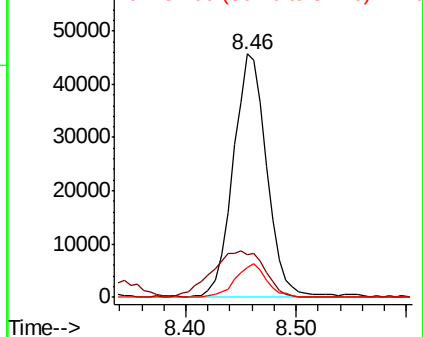
43 100

61 29.6 23.8 35.6

87 12.8 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 20.804 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064975.D

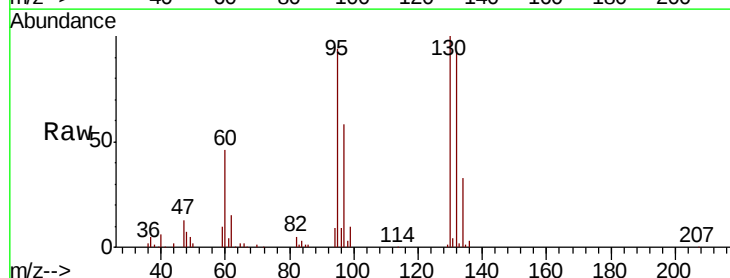
Acq: 28 Jan 2020 12:04

Tgt Ion:130 Resp: 105367

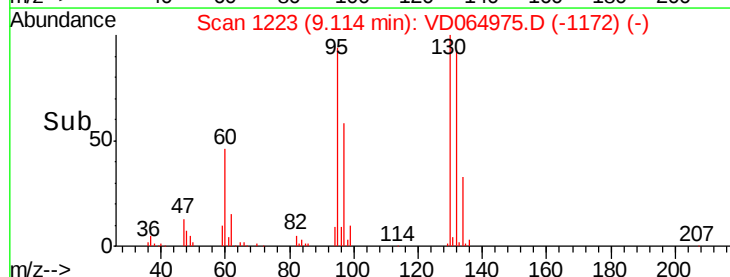
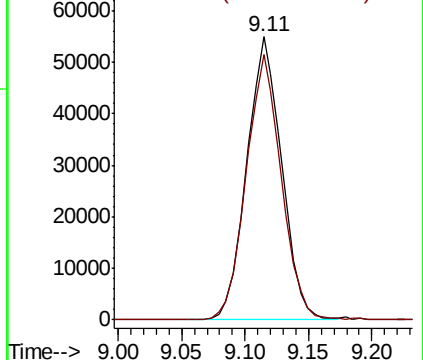
Ion Ratio Lower Upper

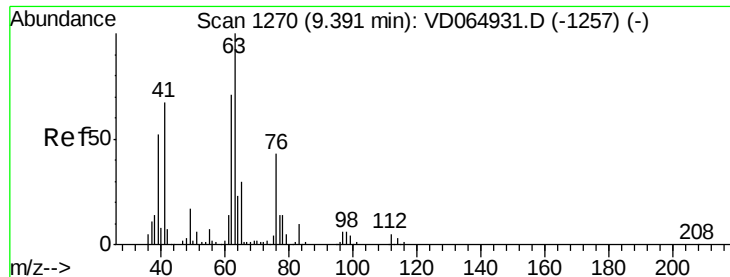
130 100

95 93.9 0.0 185.8



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





#45

1,2-Dichloropropane

Concen: 20.266 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064975.D

Acq: 28 Jan 2020 12:04

Instrument :

MSVOA_D

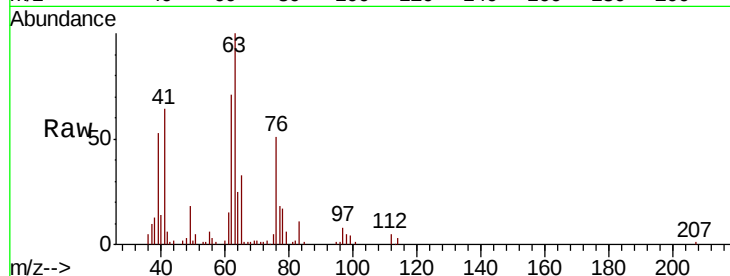
ClientSampled :

Tot Ion: 63 Resp: 88908

Ion Ratio Lower Upper

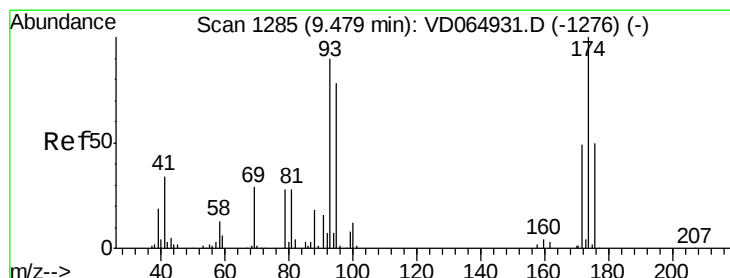
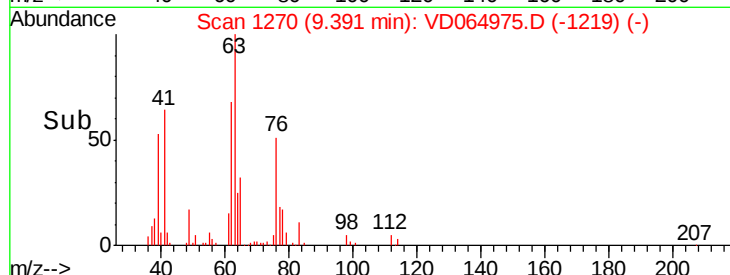
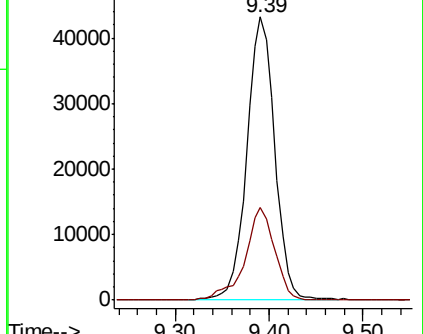
63 100

65 32.6 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 19.966 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064975.D

Acq: 28 Jan 2020 12:04

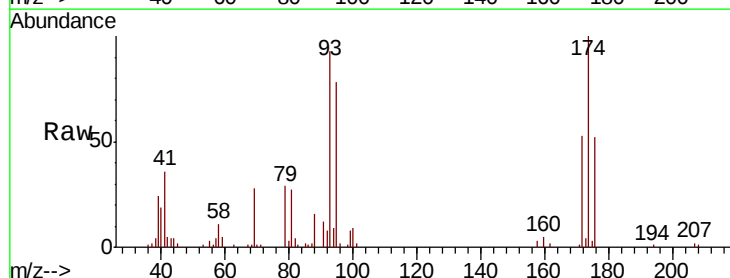
Tgt Ion: 93 Resp: 47822

Ion Ratio Lower Upper

93 100

95 82.7 67.5 101.3

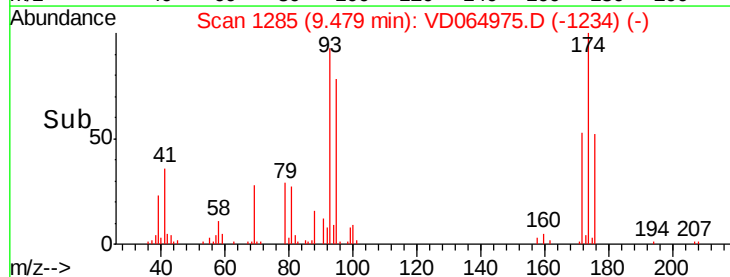
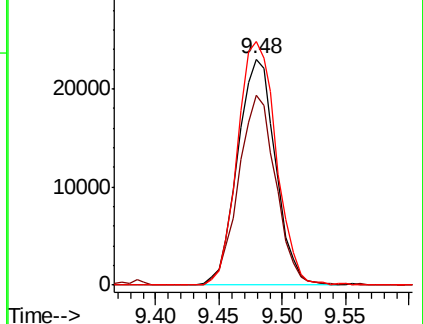
174 110.0 88.4 132.6

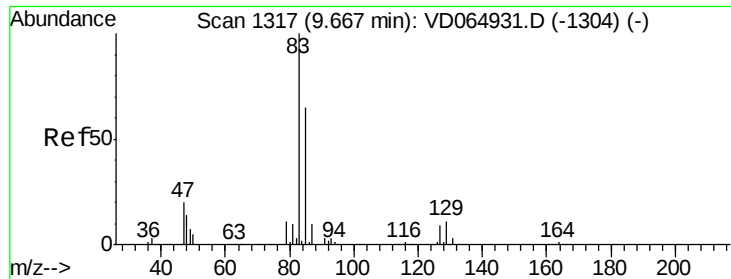


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 20.639 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064975.D

Acq: 28 Jan 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

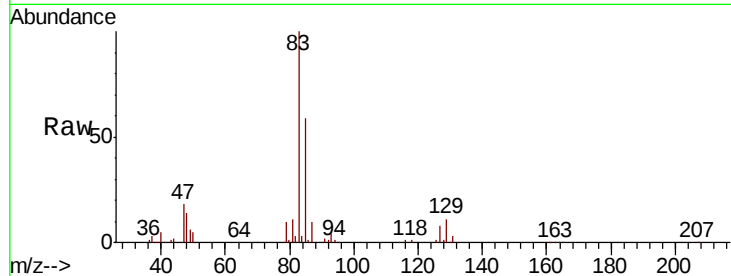
Tot Ion: 83 Resp: 128634

Ion Ratio Lower Upper

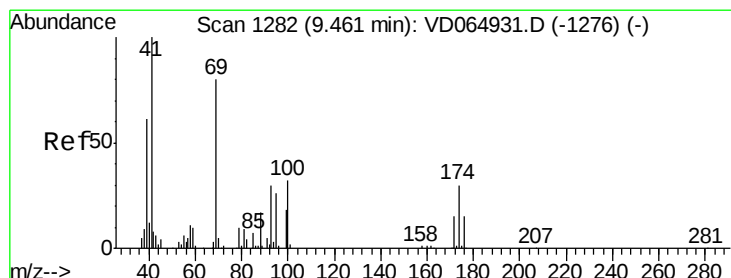
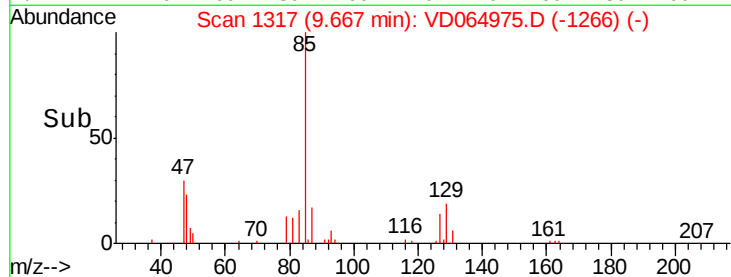
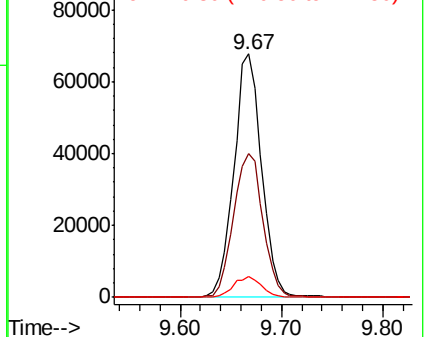
83 100

85 58.9 52.0 78.0

127 8.5 7.3 10.9



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



#48

Methyl methacrylate

Concen: 19.289 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064975.D

Acq: 28 Jan 2020 12:04

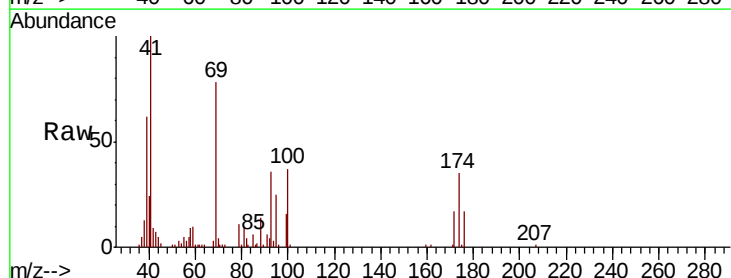
Tgt Ion: 41 Resp: 45763

Ion Ratio Lower Upper

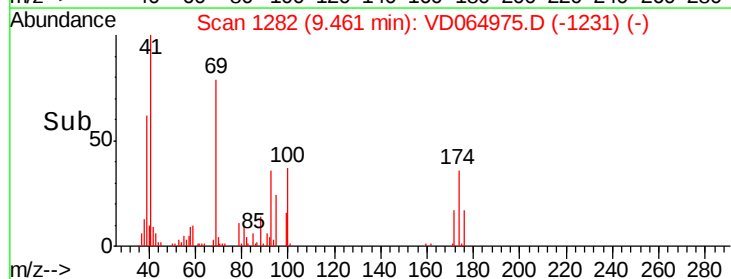
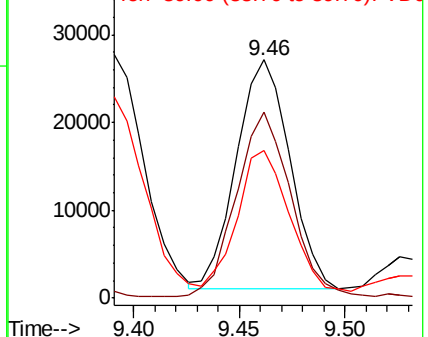
41 100

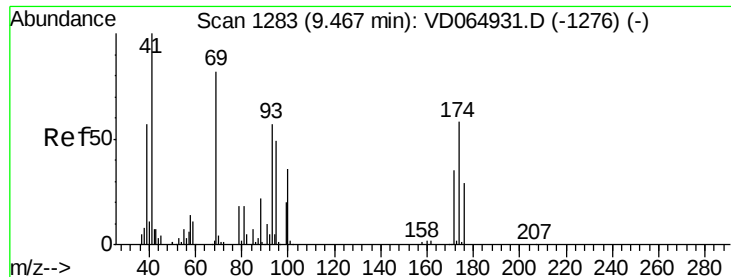
69 82.1 65.8 98.8

39 59.5 49.4 74.0



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





#49

1,4-Dioxane

Concen: 351.817 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VD064975.D

Acq: 28 Jan 2020 12:04

Instrument :
MSVOA_D
ClientSampled :

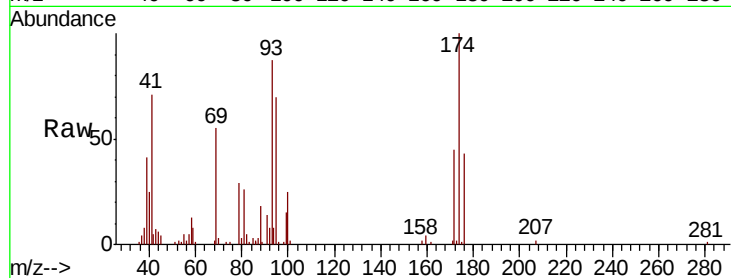
Tot Ion: 88 Resp: 9773

Ion Ratio Lower Upper

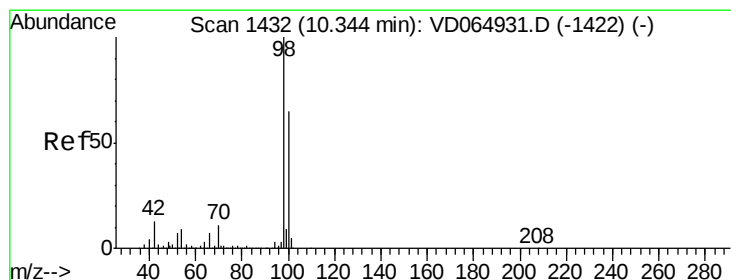
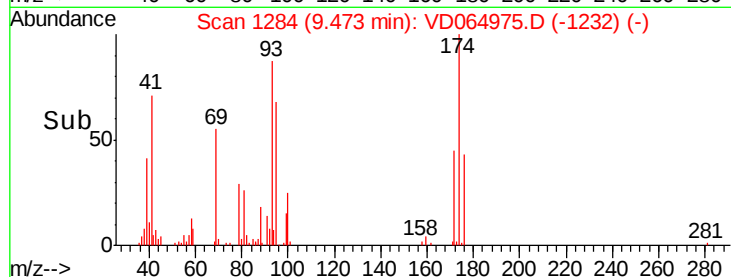
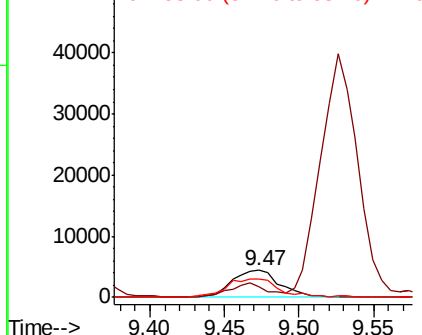
88 100

43 41.1 26.2 39.4#

58 75.1 50.3 75.5



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



#50

Toluene-d8

Concen: 52.064 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD064975.D

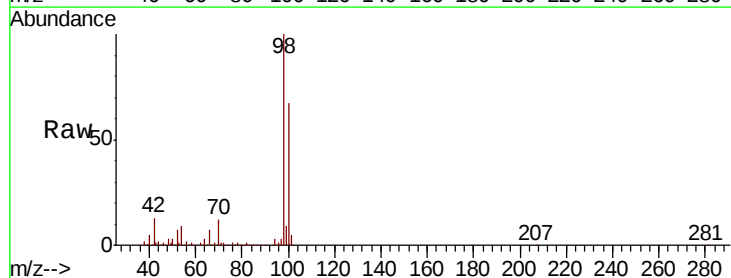
Acq: 28 Jan 2020 12:04

Tgt Ion: 98 Resp: 860486

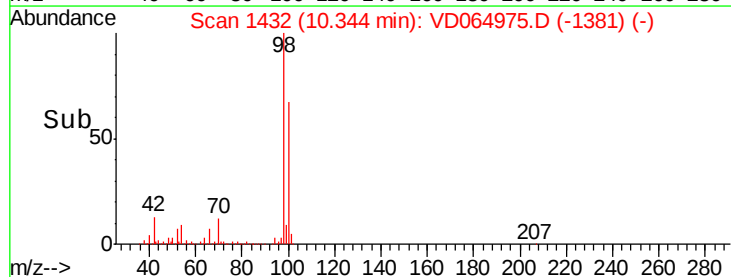
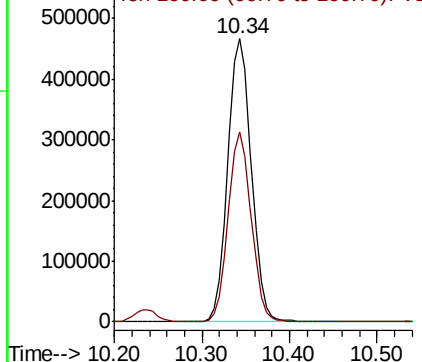
Ion Ratio Lower Upper

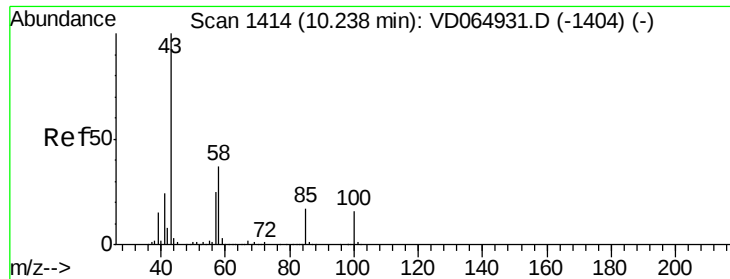
98 100

100 65.6 52.3 78.5



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

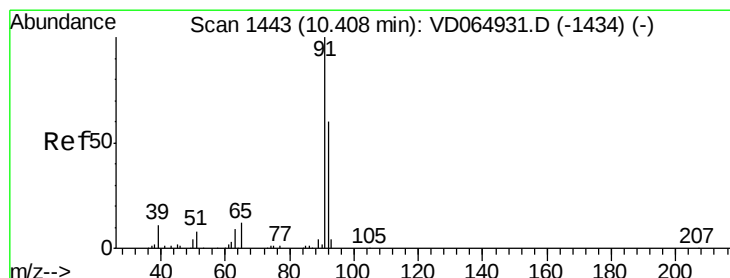
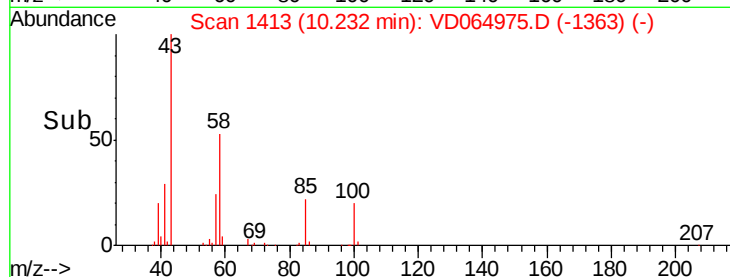
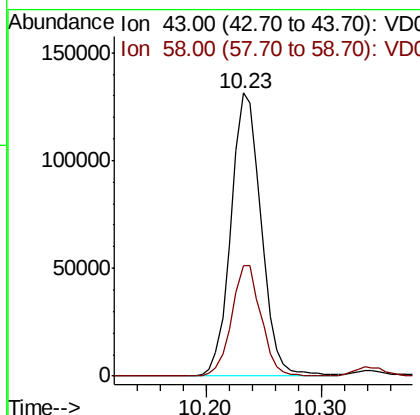
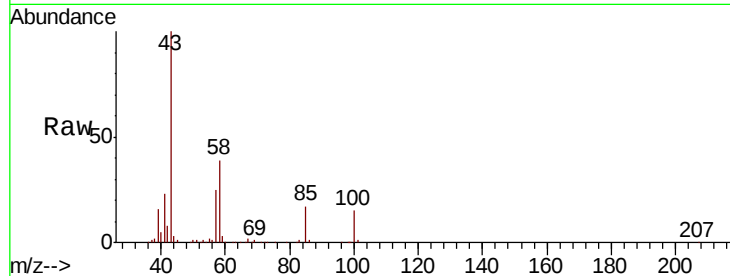




#51
 4-Methyl-2-Pentanone
 Concen: 92.381 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: VD064975.D
 Acq: 28 Jan 2020 12:04

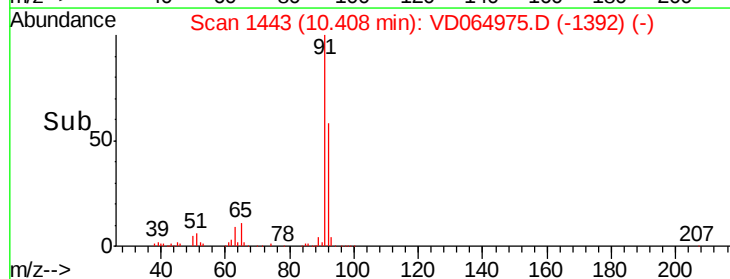
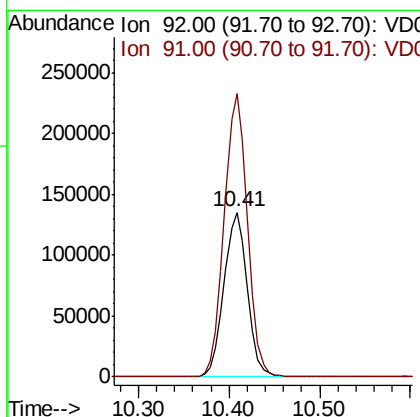
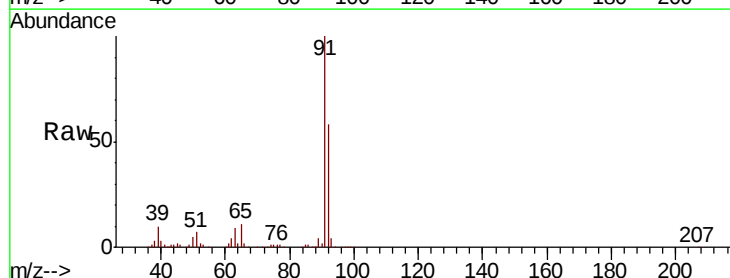
Instrument :
 MSVOA_D
 ClientSampleID :

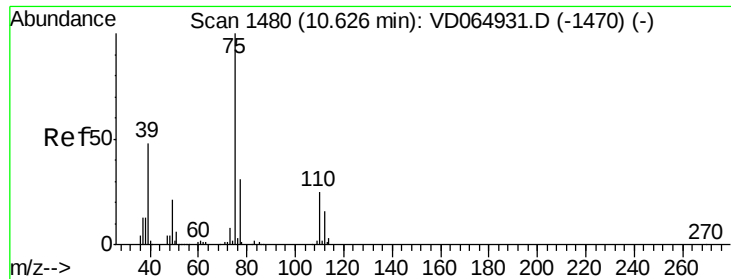
Tot Ion: 43 Resp: 238310
 Ion Ratio Lower Upper
 43 100
 58 38.3 30.4 45.6



#52
 Toluene
 Concen: 20.630 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD064975.D
 Acq: 28 Jan 2020 12:04

Tgt Ion: 92 Resp: 240695
 Ion Ratio Lower Upper
 92 100
 91 171.8 136.8 205.2





#53

t-1,3-Dichloropropene

Concen: 19.537 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064975.D

Acq: 28 Jan 2020 12:04

Instrument :

MSVOA_D

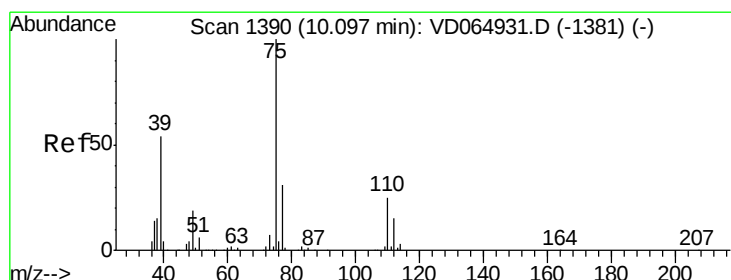
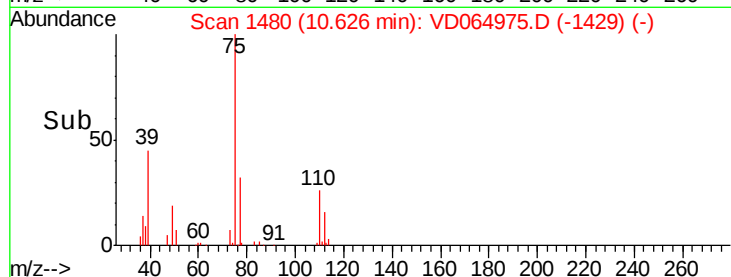
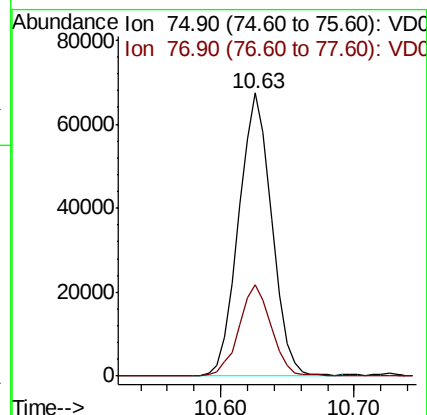
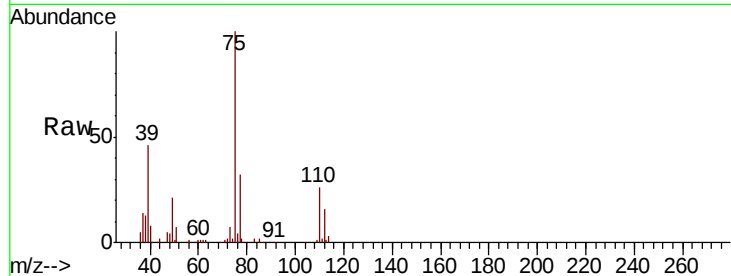
ClientSampleId :

Tot Ion: 75 Resp: 115987

Ion Ratio Lower Upper

75 100

77 32.1 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 19.899 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD064975.D

Acq: 28 Jan 2020 12:04

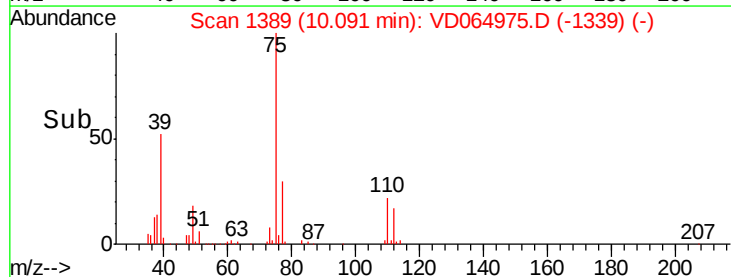
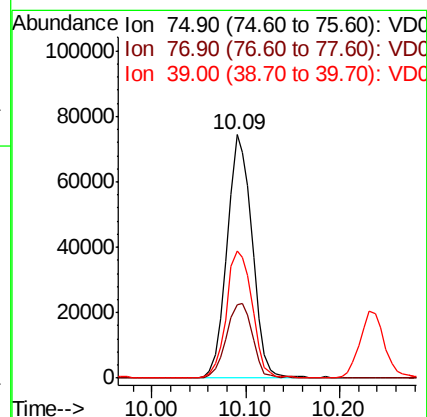
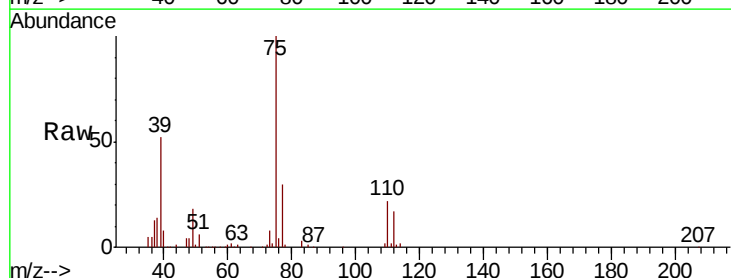
Tgt Ion: 75 Resp: 138315

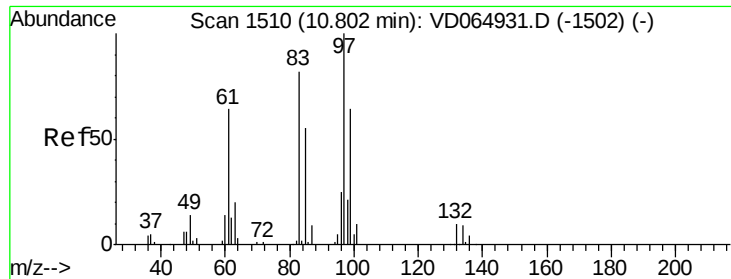
Ion Ratio Lower Upper

75 100

77 30.0 25.1 37.7

39 52.0 43.0 64.6

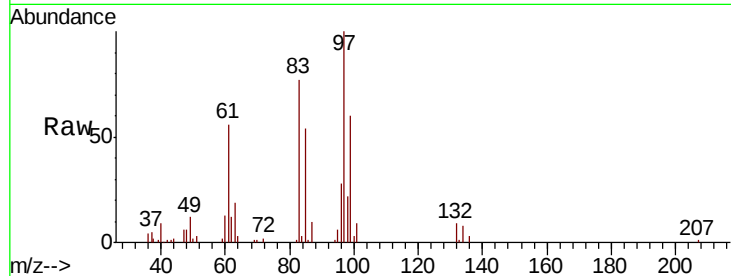




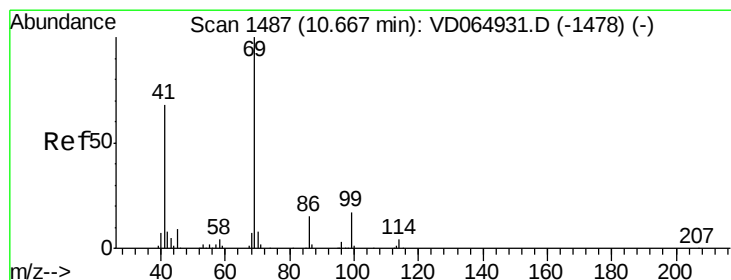
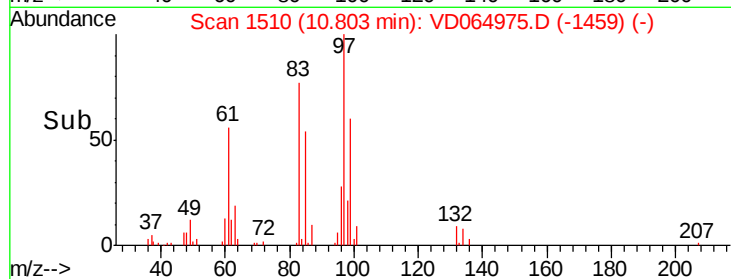
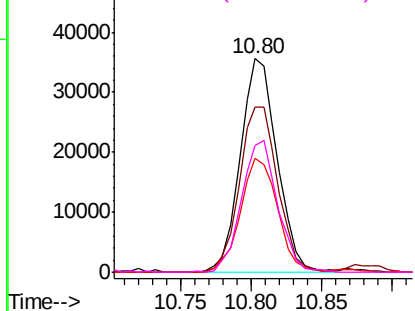
#55
 1,1,2-Trichloroethane
 Concen: 20.078 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064975.D
 Acq: 28 Jan 2020 12:04

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	64779
Ion	Ratio	Lower	Upper
97	100		
83	77.5	66.0	99.0
85	53.5	44.4	66.6
99	59.6	51.4	77.0

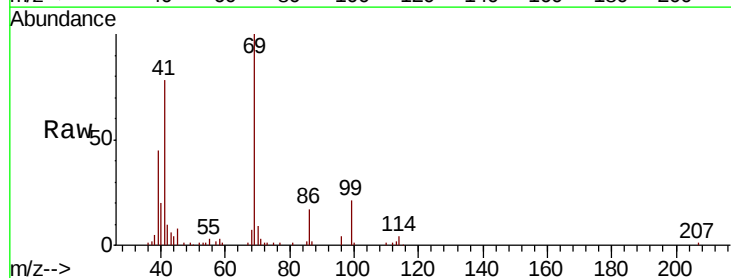


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

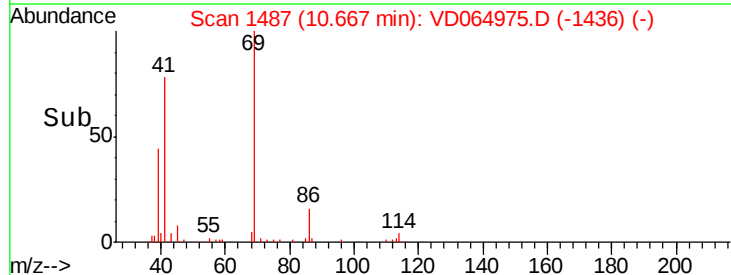
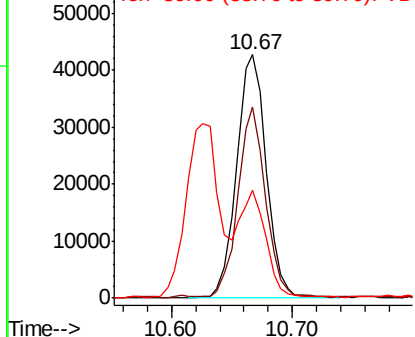


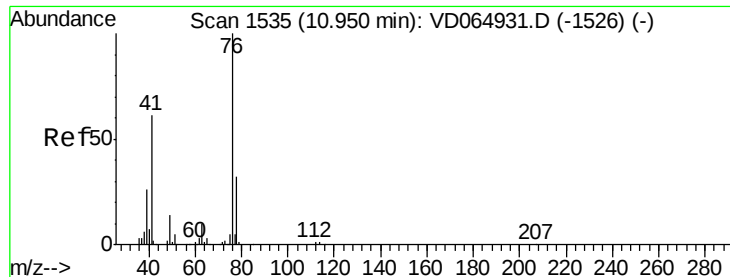
#56
 Ethyl methacrylate
 Concen: 19.001 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD064975.D
 Acq: 28 Jan 2020 12:04

Tgt Ion:	69	Resp:	73308
Ion	Ratio	Lower	Upper
69	100		
41	72.4	56.4	84.6
39	40.0	30.6	46.0



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





#57

1,3-Dichloropropane

Concen: 19.759 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064975.D

Acq: 28 Jan 2020 12:04

Instrument :

MSVOA_D

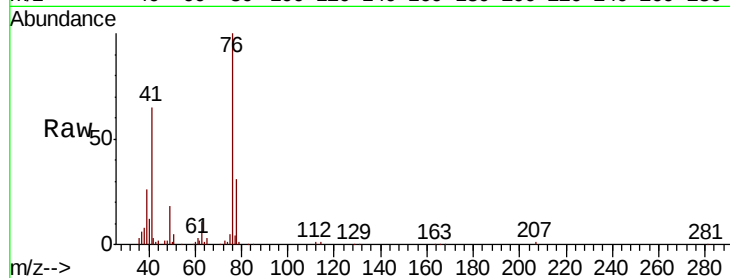
ClientSampleId :

Tot Ion: 76 Resp: 109337

Ion Ratio Lower Upper

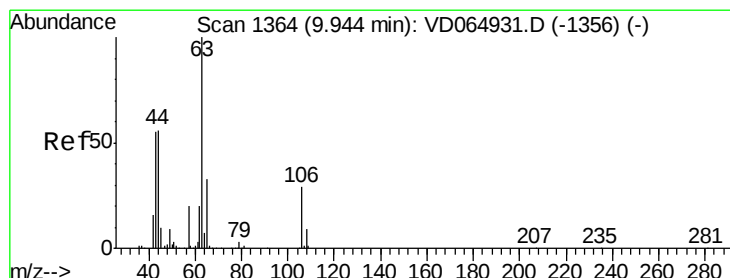
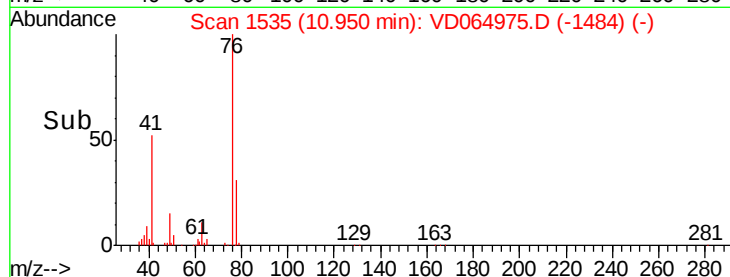
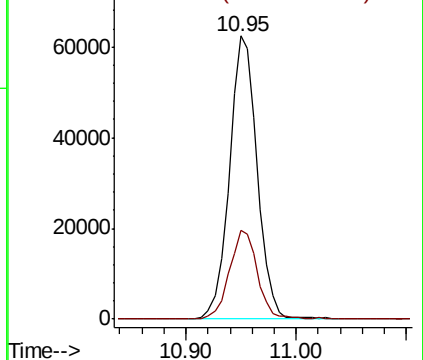
76 100

78 31.6 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 97.662 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064975.D

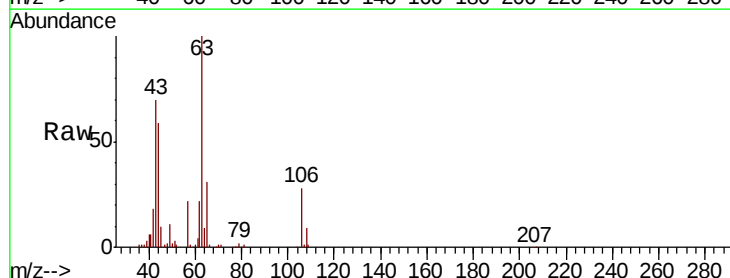
Acq: 28 Jan 2020 12:04

Tgt Ion: 63 Resp: 125178

Ion Ratio Lower Upper

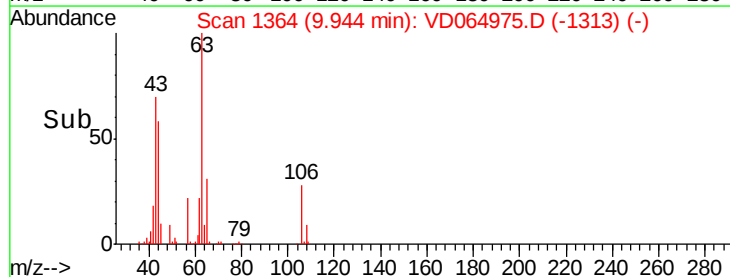
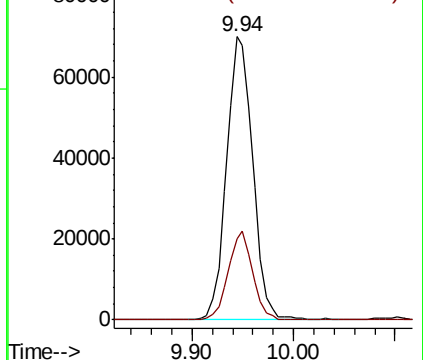
63 100

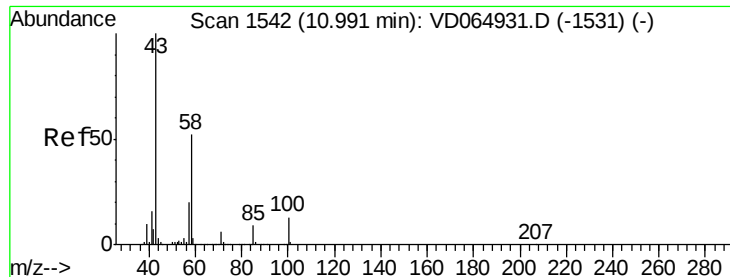
106 29.1 23.0 34.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

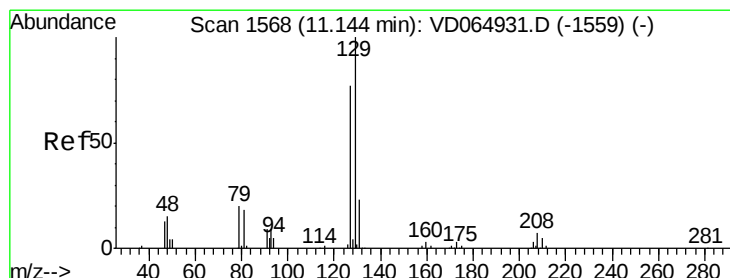
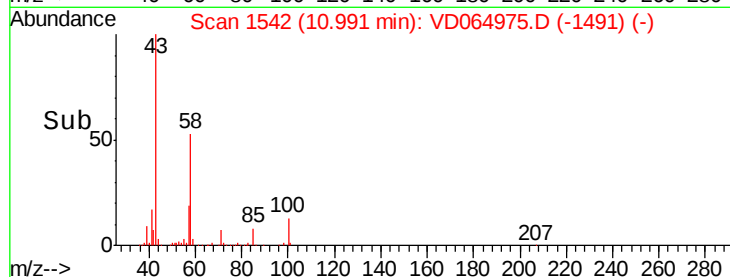
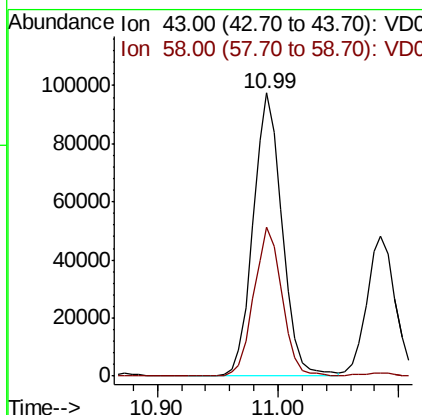
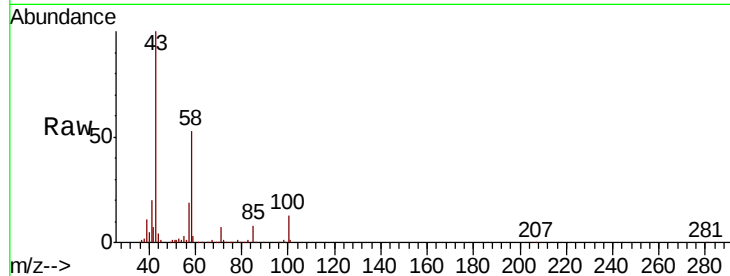




#59
2-Hexanone
Concen: 91.784 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064975.D
Acq: 28 Jan 2020 12:04

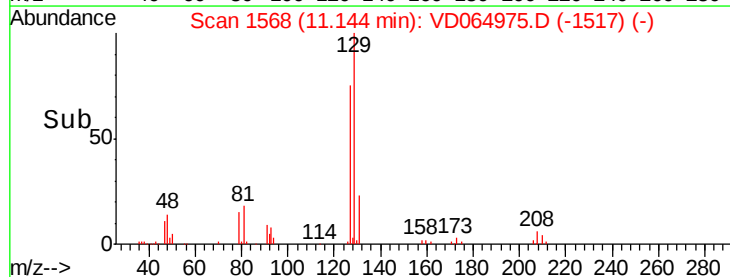
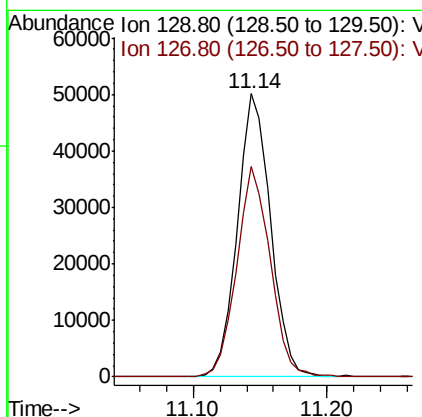
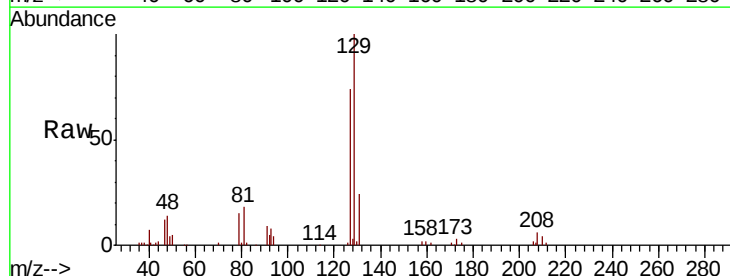
Instrument :
MSVOA_D
ClientSampleId :

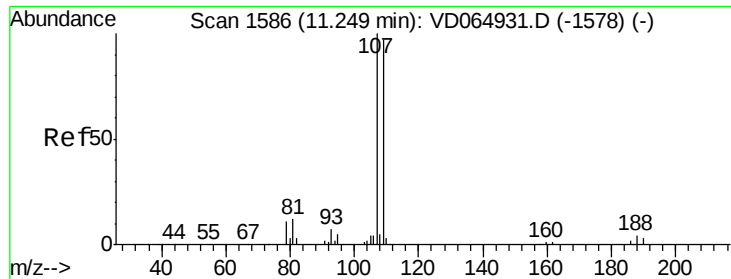
Tot Ion: 43 Resp: 163318
Ion Ratio Lower Upper
43 100
58 51.3 26.5 79.4



#60
Dibromochloromethane
Concen: 20.026 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064975.D
Acq: 28 Jan 2020 12:04

Tgt Ion: 129 Resp: 86353
Ion Ratio Lower Upper
129 100
127 75.0 38.2 114.6

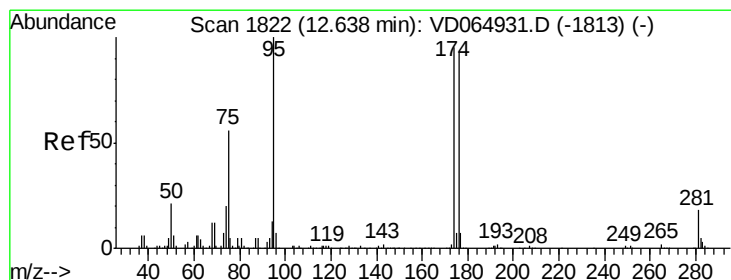
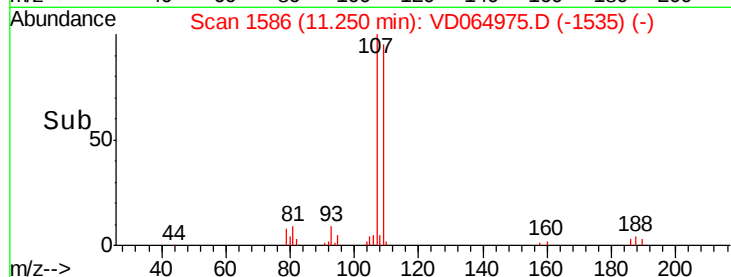
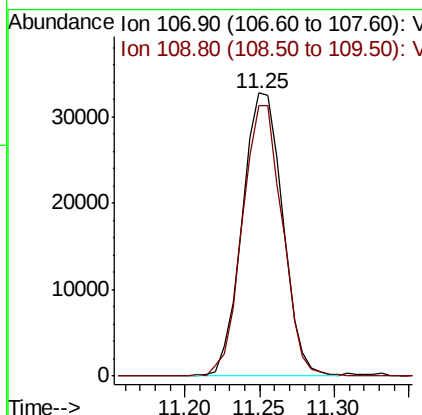
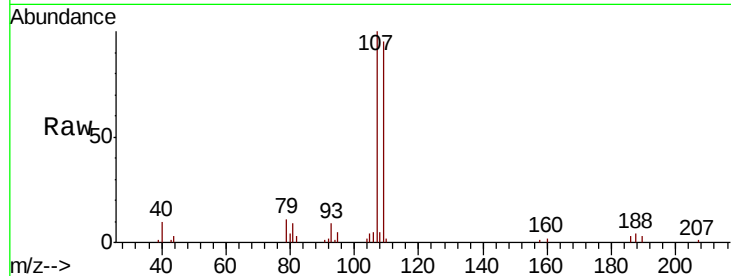




#61
 1,2-Dibromoethane
 Concen: 19.709 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064975.D
 Acq: 28 Jan 2020 12:04

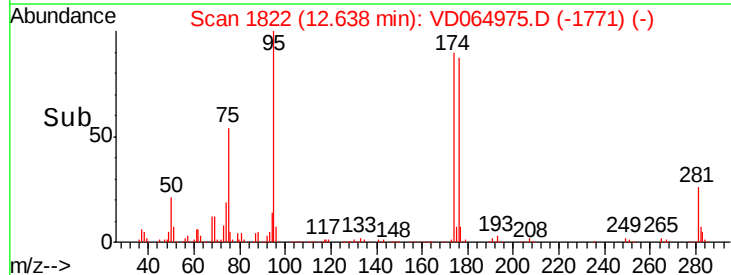
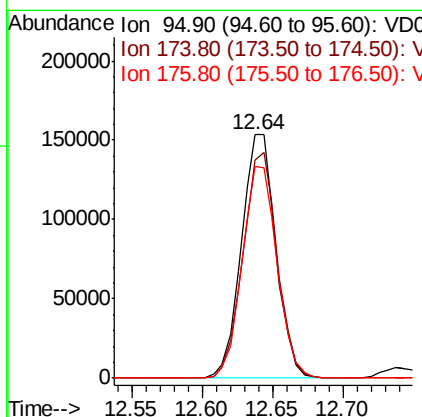
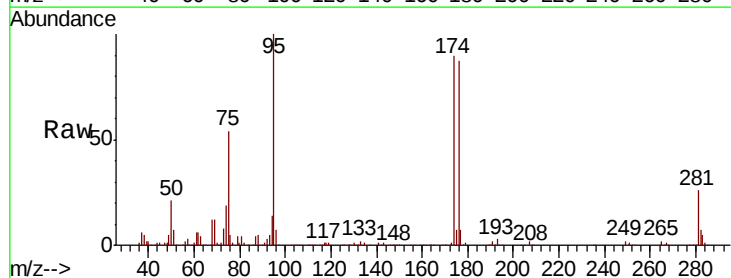
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:107 Resp: 61227
 Ion Ratio Lower Upper
 107 100
 109 95.1 77.1 115.7



#62
 4-Bromofluorobenzene
 Concen: 51.707 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064975.D
 Acq: 28 Jan 2020 12:04

Tgt Ion: 95 Resp: 261521
 Ion Ratio Lower Upper
 95 100
 174 92.3 0.0 186.8
 176 88.3 0.0 183.4

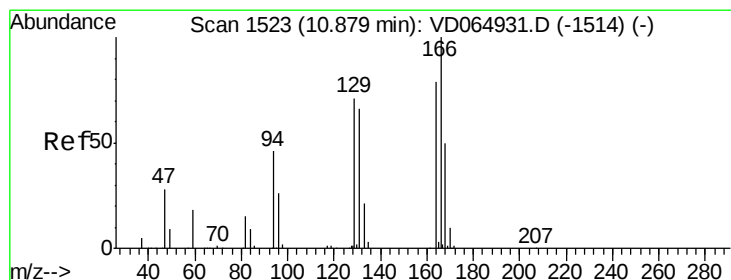
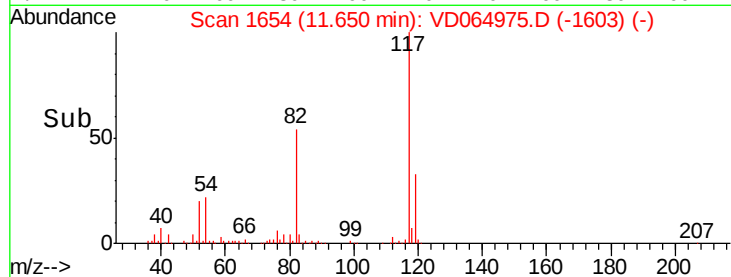
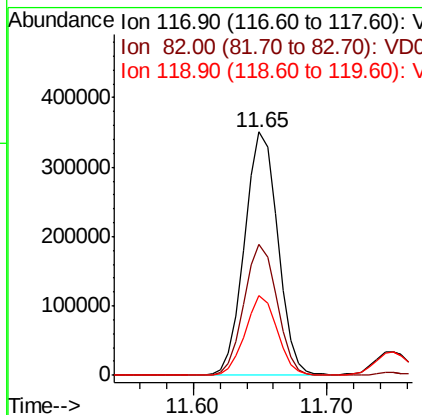
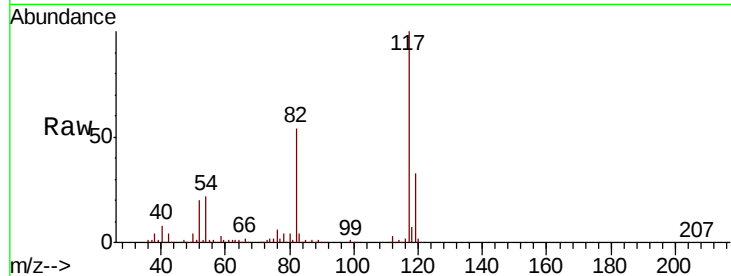




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064975.D
Acq: 28 Jan 2020 12:04

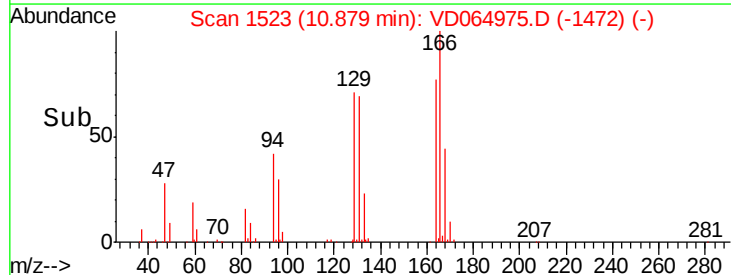
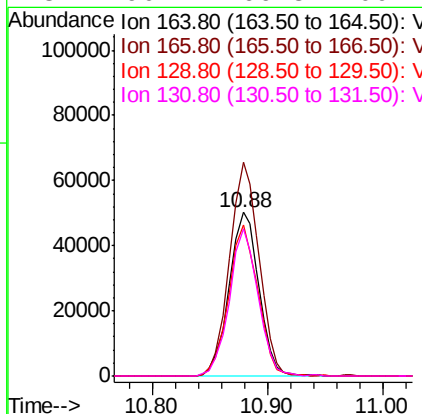
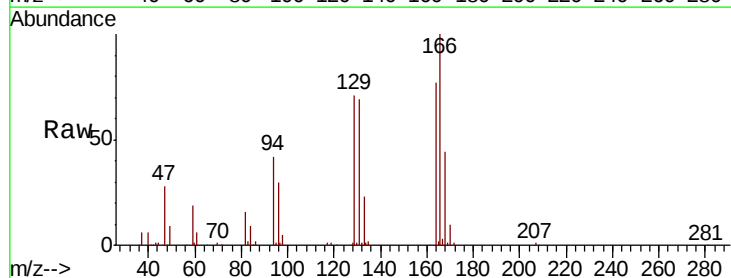
Instrument :
MSVOA_D
ClientSampleId :

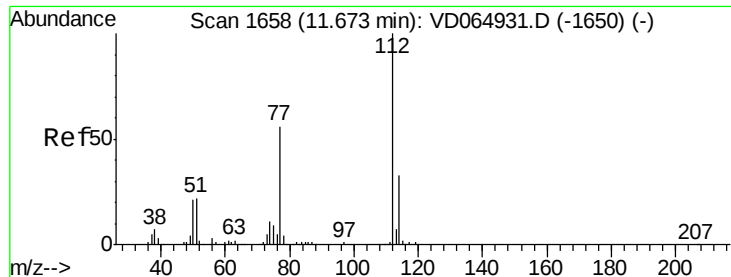
Tot Ion:117 Resp: 604205
Ion Ratio Lower Upper
117 100
82 53.9 43.6 65.4
119 32.6 25.2 37.8



#64
Tetrachloroethene
Concen: 20.512 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064975.D
Acq: 28 Jan 2020 12:04

Tgt Ion:164 Resp: 89560
Ion Ratio Lower Upper
164 100
166 130.4 101.4 152.2
129 92.3 71.8 107.8
131 90.1 66.8 100.2

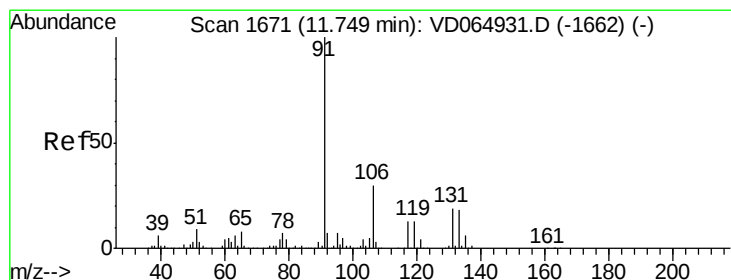
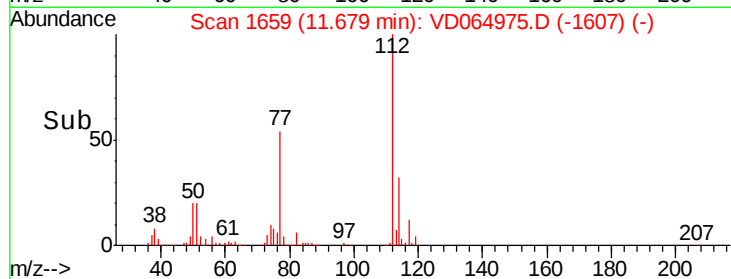
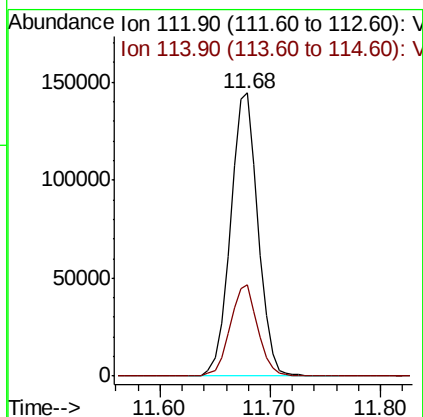
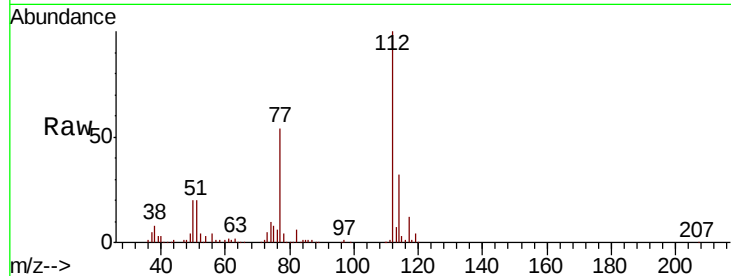




#65
Chlorobenzene
Concen: 20.508 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD064975.D
Acq: 28 Jan 2020 12:04

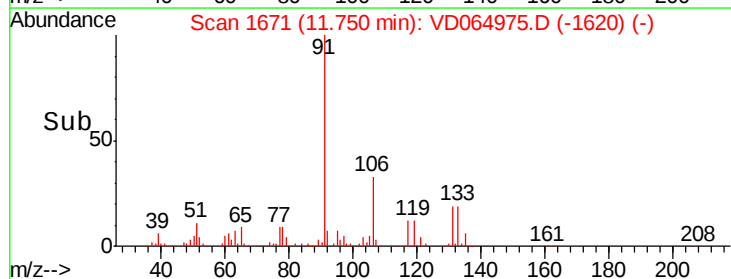
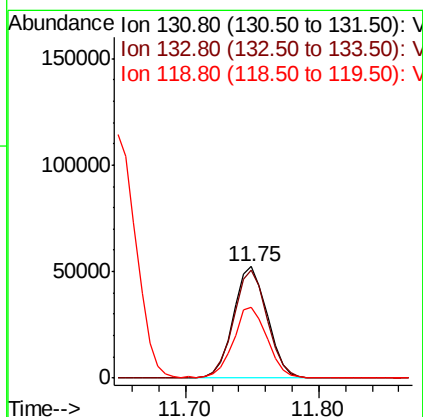
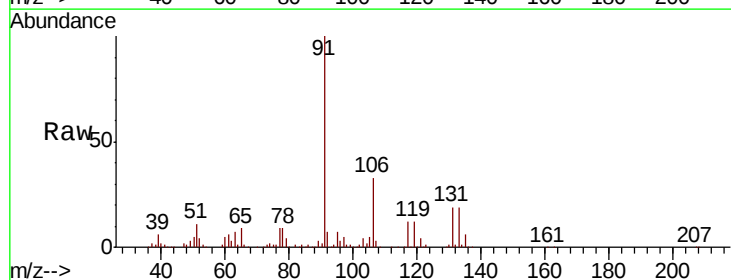
Instrument :
MSVOA_D
ClientSampleId :

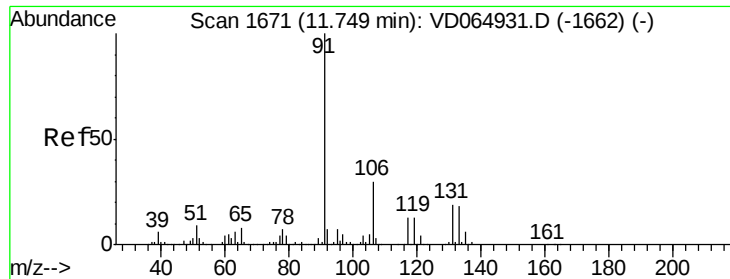
Tot Ion:112 Resp: 251581
Ion Ratio Lower Upper
112 100
114 32.4 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.957 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064975.D
Acq: 28 Jan 2020 12:04

Tgt Ion:131 Resp: 92075
Ion Ratio Lower Upper
131 100
133 96.2 47.5 142.5
119 63.9 31.1 93.5





#67

Ethyl Benzene

Concen: 20.312 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064975.D

Acq: 28 Jan 2020 12:04

Instrument :

MSVOA_D

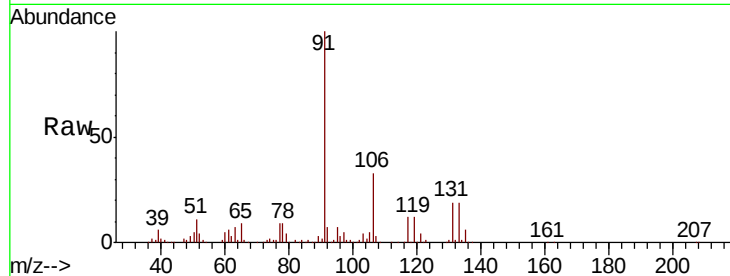
ClientSampled :

Tot Ion: 91 Resp: 442379

Ion Ratio Lower Upper

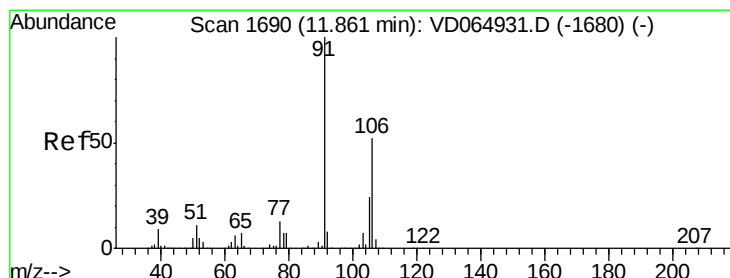
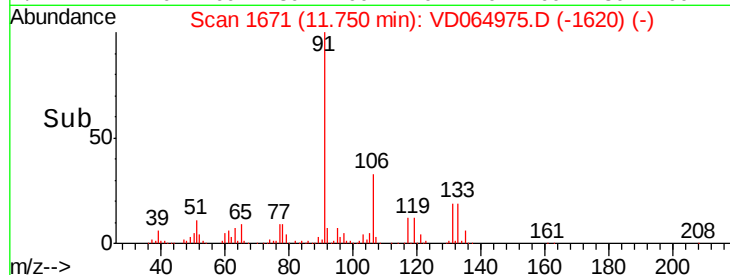
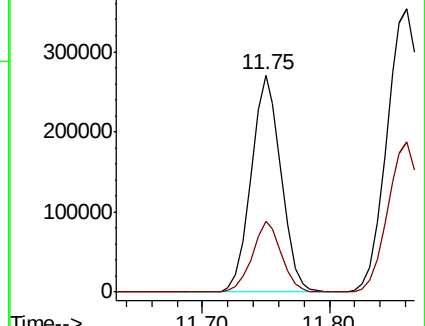
91 100

106 32.7 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 41.588 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD064975.D

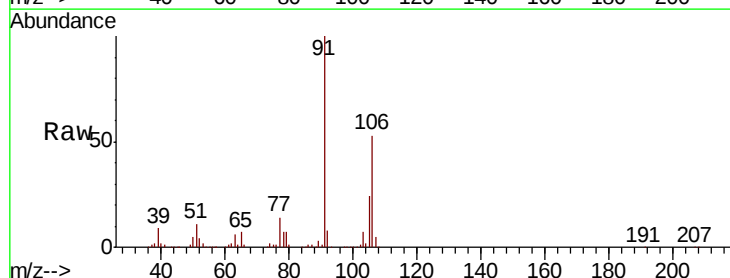
Acq: 28 Jan 2020 12:04

Tgt Ion: 106 Resp: 348738

Ion Ratio Lower Upper

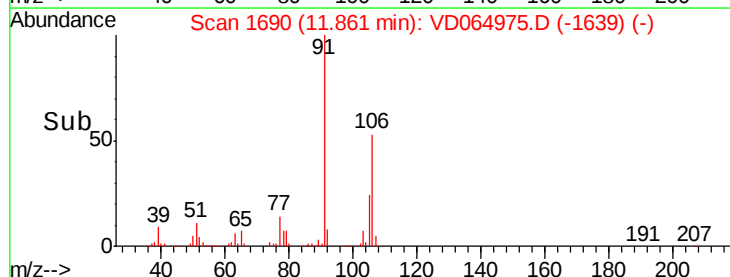
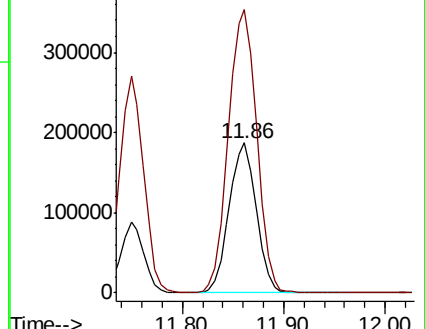
106 100

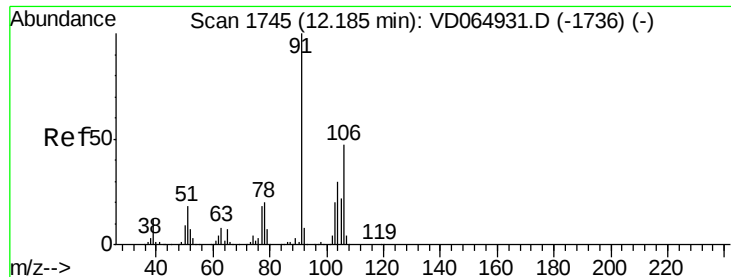
91 197.2 159.0 238.4



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

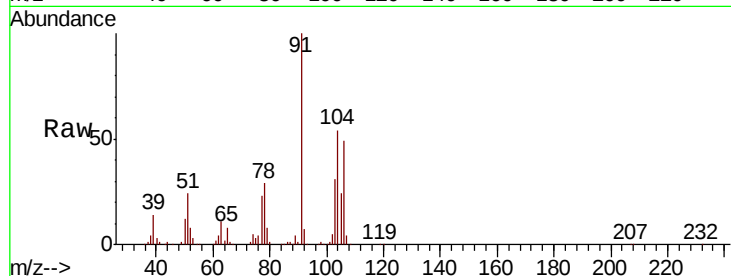




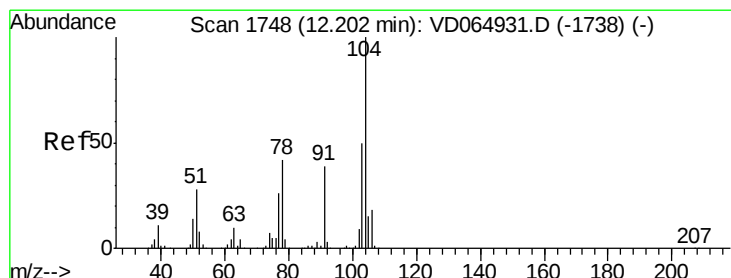
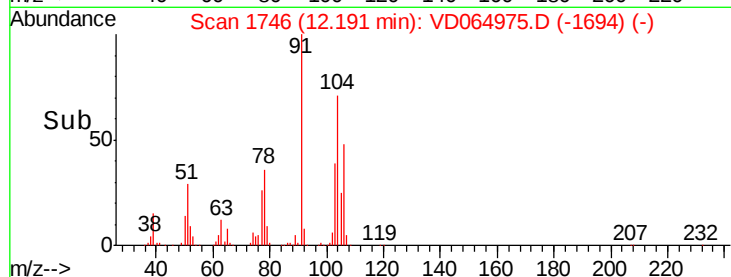
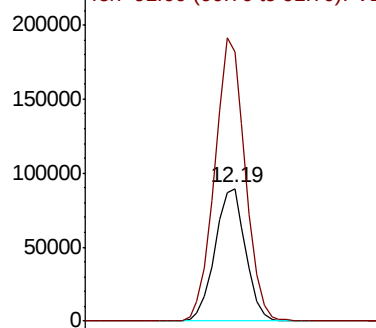
#69
o-Xylene
Concen: 20.231 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD064975.D
Acq: 28 Jan 2020 12:04

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 150564
Ion Ratio Lower Upper
106 100
91 211.8 106.7 319.9

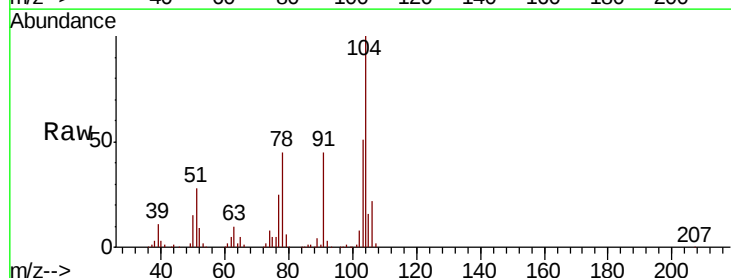


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

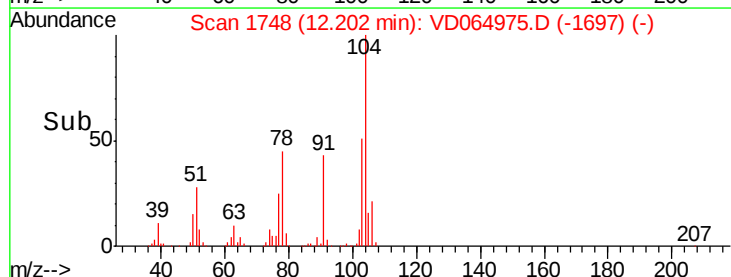
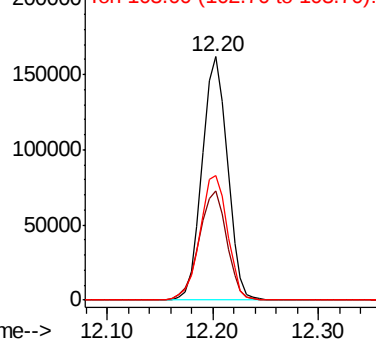


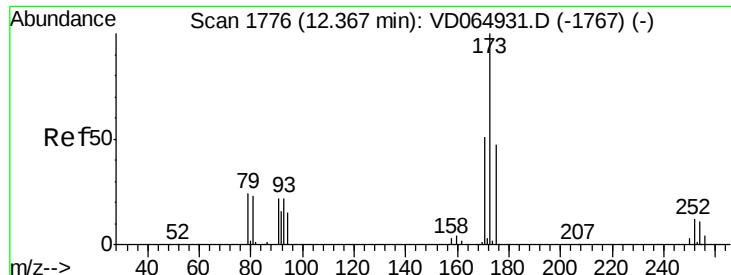
#70
Styrene
Concen: 20.257 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD064975.D
Acq: 28 Jan 2020 12:04

Tgt Ion:104 Resp: 268554
Ion Ratio Lower Upper
104 100
78 49.0 38.3 57.5
103 55.4 43.5 65.3



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

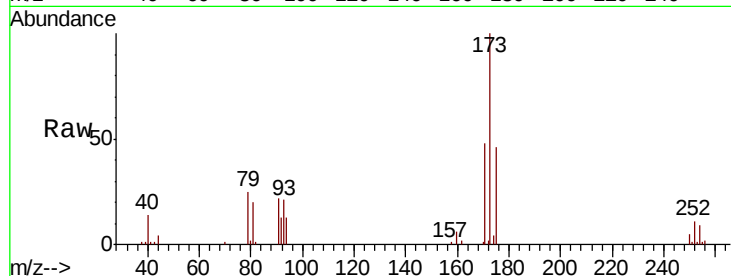




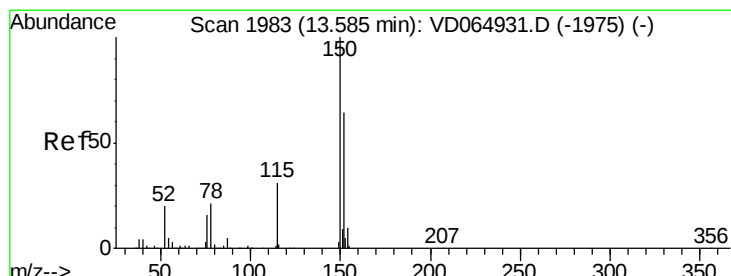
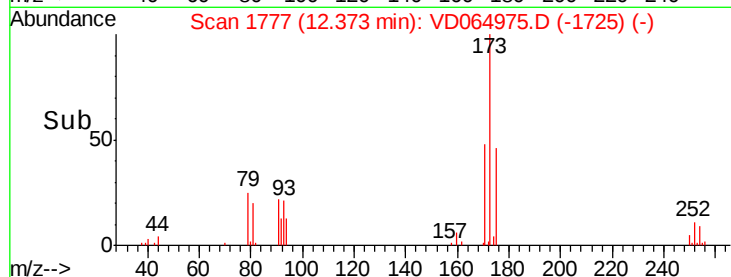
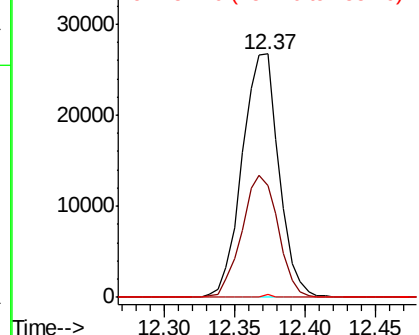
#71
Bromoform
Concen: 18.973 ug/l
RT: 12.37 min Scan# 1777
Delta R.T. 0.01 min
Lab File: VD064975.D
Acq: 28 Jan 2020 12:04

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 48659
Ion Ratio Lower Upper
173 100
175 49.6 24.6 73.8
254 0.2 0.1 0.1#

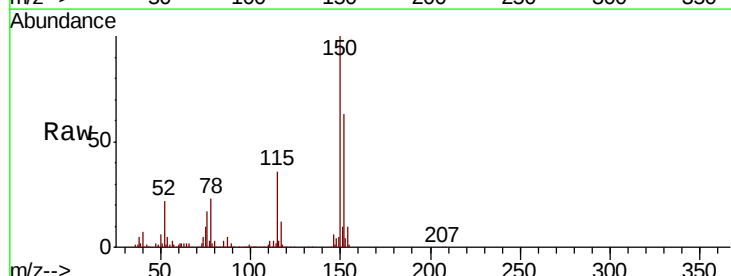


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

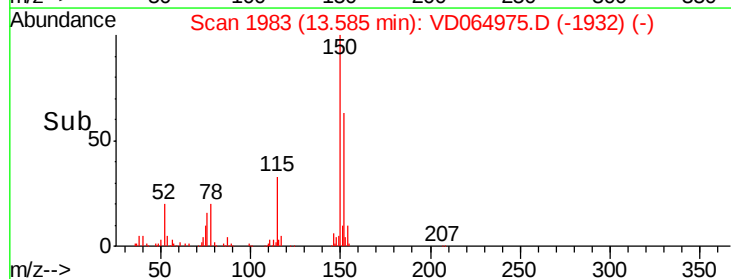
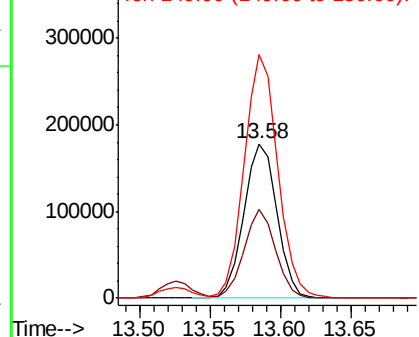


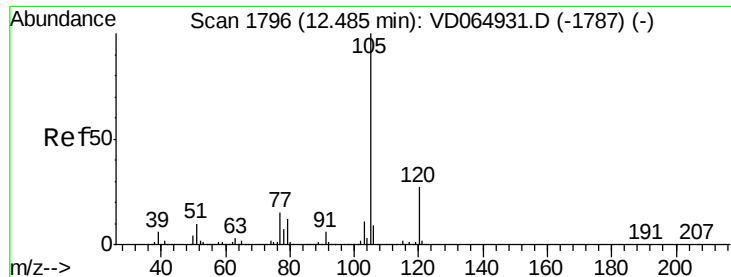
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064975.D
Acq: 28 Jan 2020 12:04

Tgt Ion:152 Resp: 291226
Ion Ratio Lower Upper
152 100
115 54.4 28.1 84.4
150 160.8 0.0 350.4



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





#73

Isopropylbenzene

Concen: 21.187 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064975.D

Acq: 28 Jan 2020 12:04

Instrument :

MSVOA_D

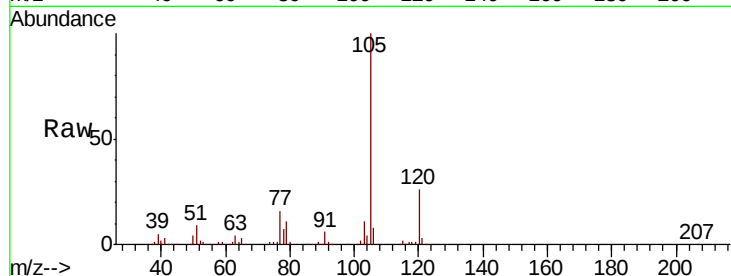
ClientSampleId :

Tot Ion:105 Resp: 421735

Ion Ratio Lower Upper

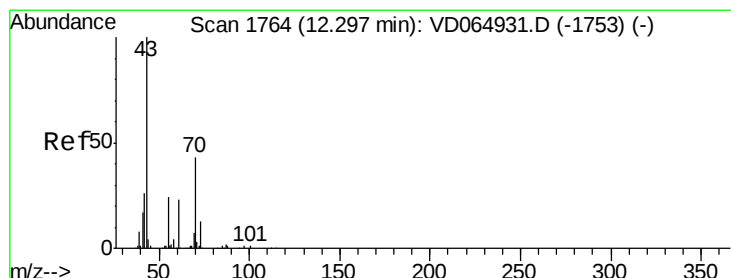
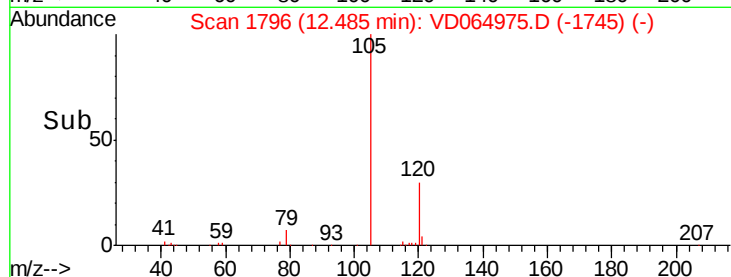
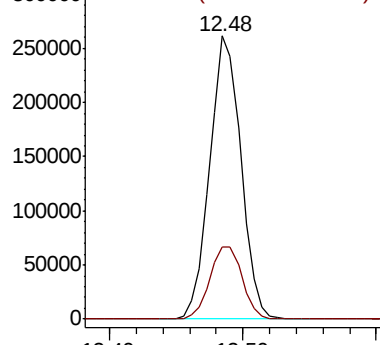
105 100

120 26.7 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.843 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD064975.D

Acq: 28 Jan 2020 12:04

Tgt Ion: 43 Resp: 83928

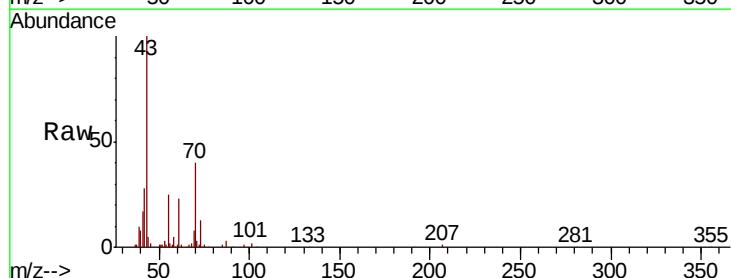
Ion Ratio Lower Upper

43 100

70 41.1 32.6 49.0

55 25.3 19.9 29.9

61 22.4 18.3 27.5

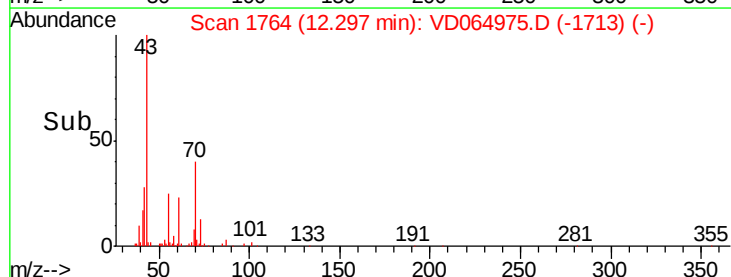
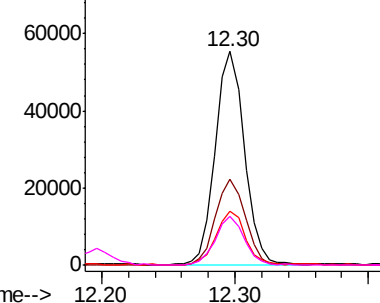


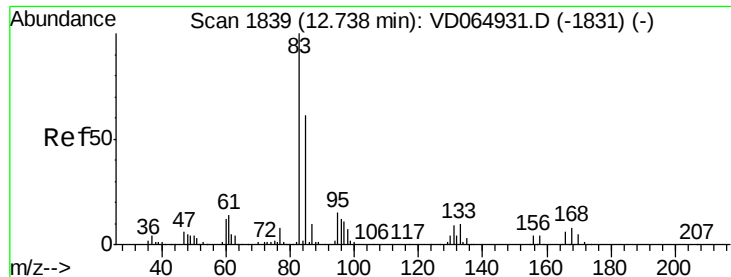
Abundance Ion 43.00 (42.70 to 43.70): V

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: 19.279 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064975.D

Acq: 28 Jan 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

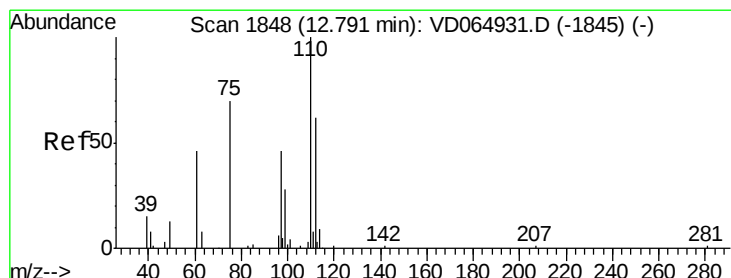
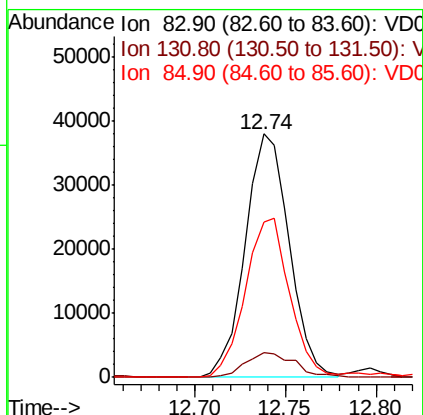
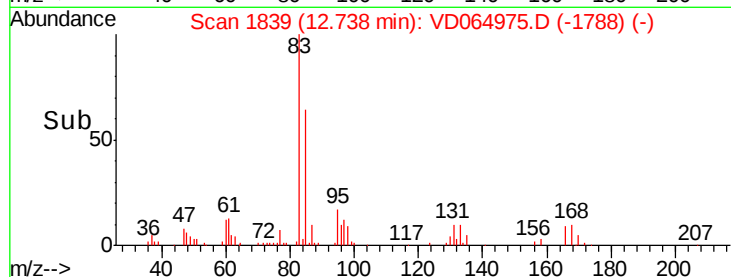
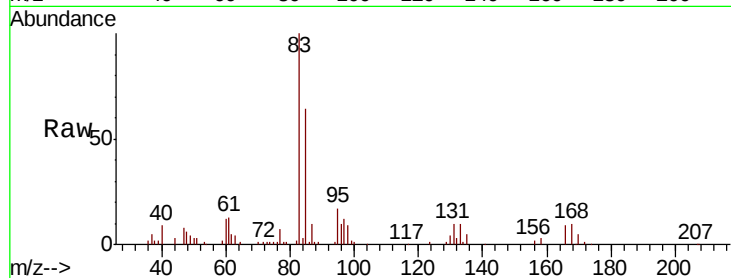
Tot Ion: 83 Resp: 64497

Ion Ratio Lower Upper

83 100

131 11.2 5.5 16.4

85 65.4 31.6 94.7



#76

1,2,3-Trichloropropane

Concen: 36.230 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064975.D

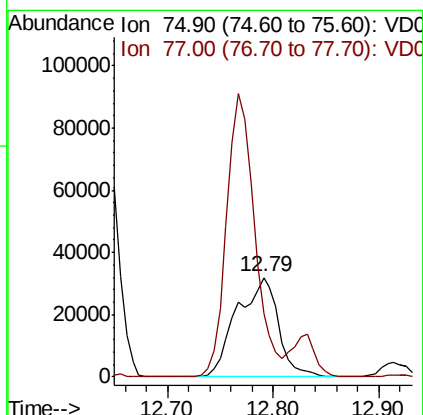
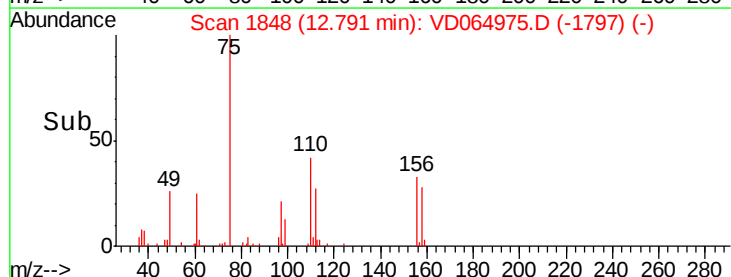
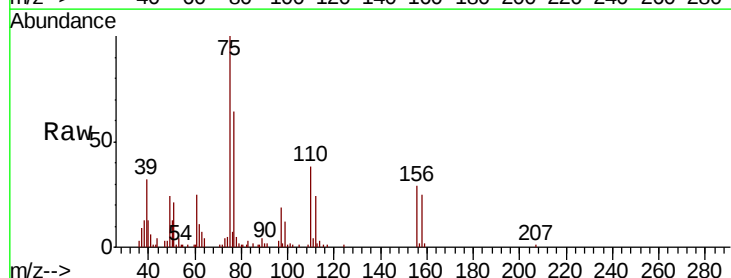
Acq: 28 Jan 2020 12:04

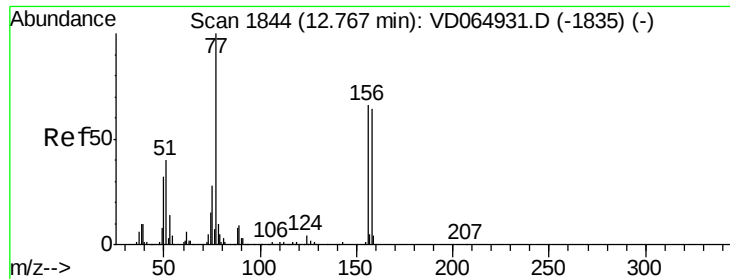
Tgt Ion: 75 Resp: 87575

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.725 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064975.D

Acq: 28 Jan 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

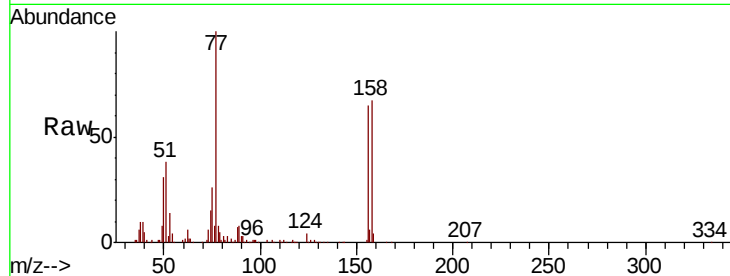
Tot Ion:156 Resp: 100935

Ion Ratio Lower Upper

156 100

77 166.8 84.2 252.5

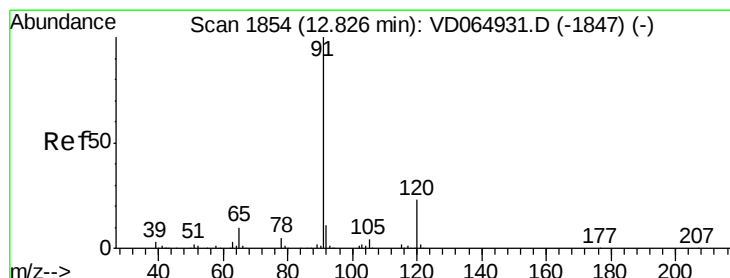
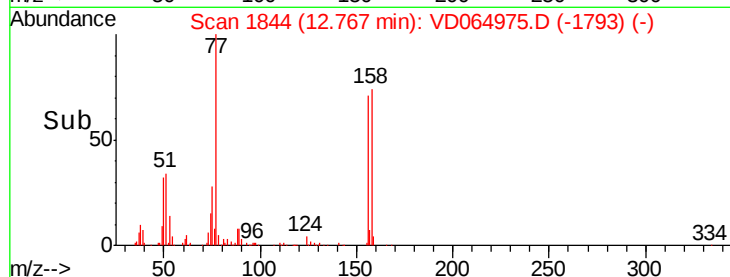
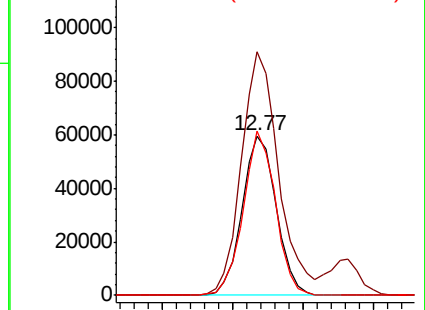
158 97.2 48.1 144.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.139 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064975.D

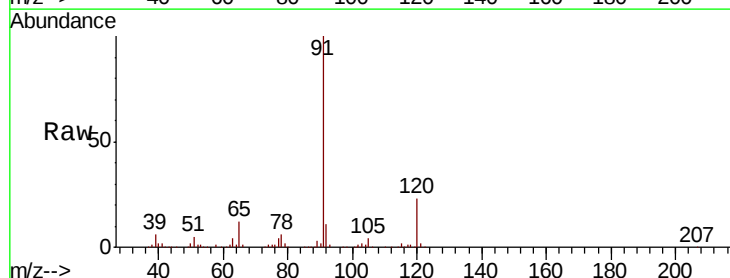
Acq: 28 Jan 2020 12:04

Tgt Ion: 91 Resp: 500400

Ion Ratio Lower Upper

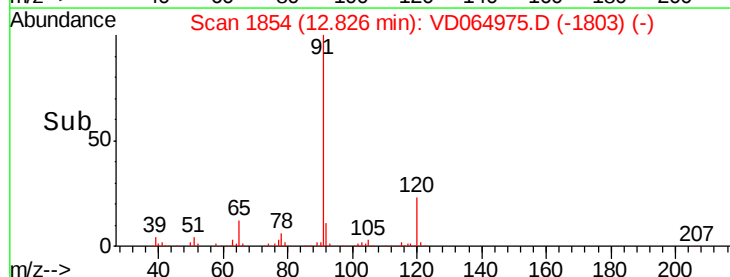
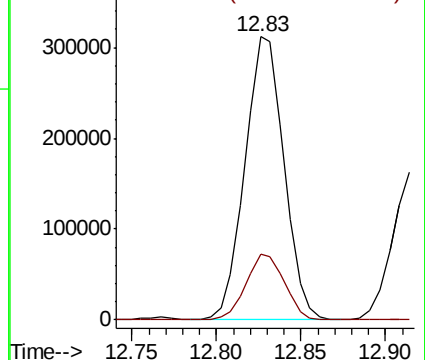
91 100

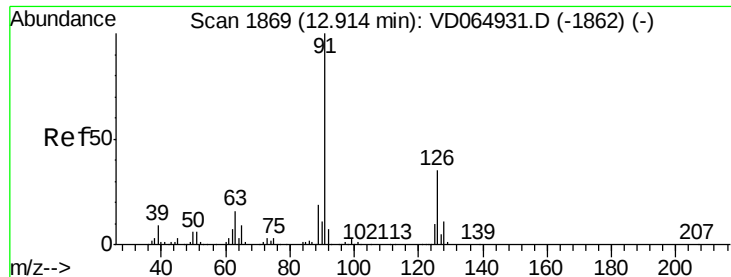
120 23.0 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.193 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064975.D

Acq: 28 Jan 2020 12:04

Instrument :

MSVOA_D

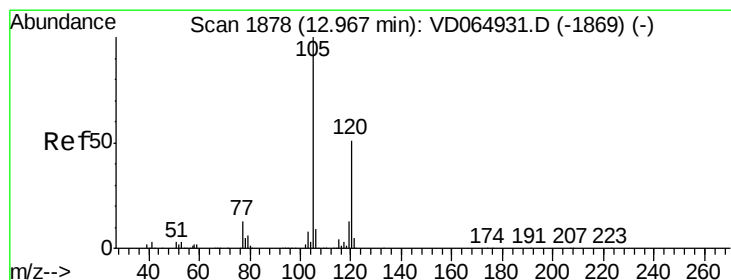
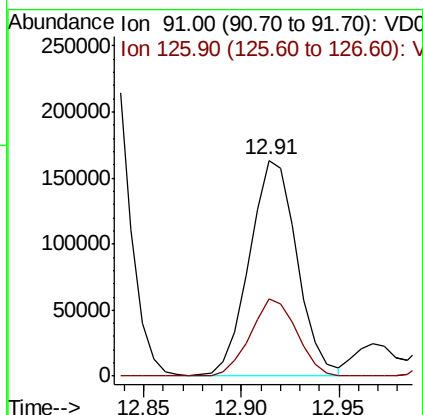
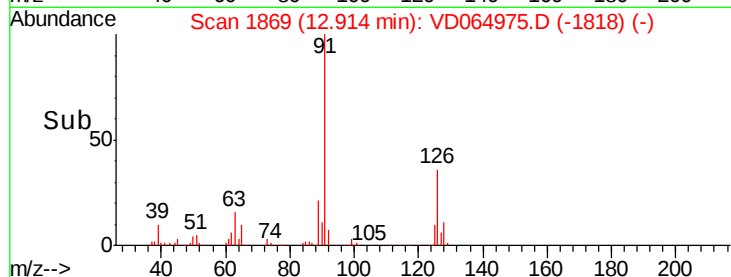
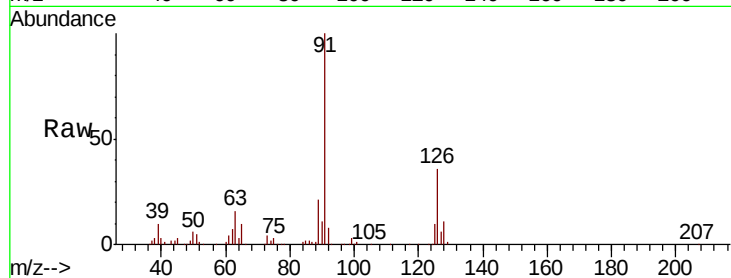
ClientSampled :

Tot Ion: 91 Resp: 275214

Ion Ratio Lower Upper

91 100

126 35.2 17.9 53.8



#80

1,3,5-Trimethylbenzene

Concen: 21.540 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064975.D

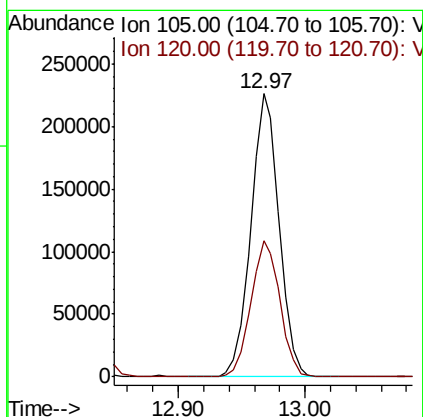
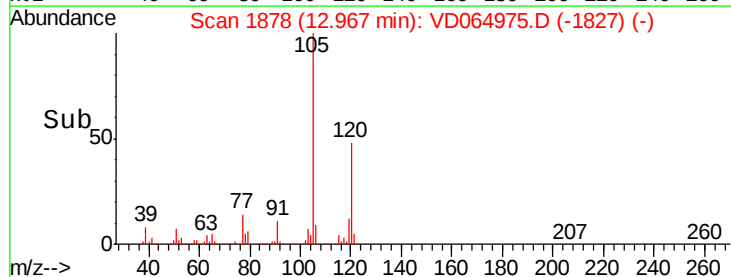
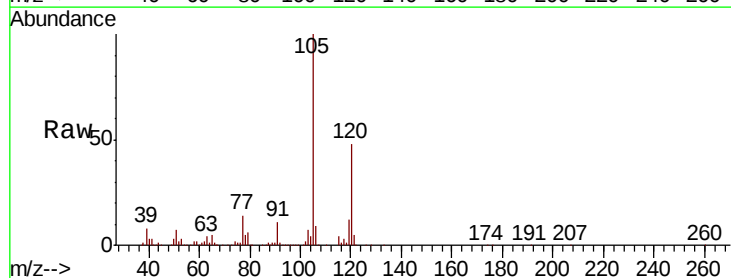
Acq: 28 Jan 2020 12:04

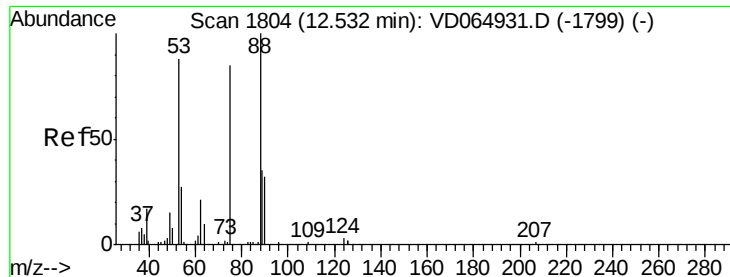
Tgt Ion:105 Resp: 351355

Ion Ratio Lower Upper

105 100

120 49.4 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.584 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064975.D

Acq: 28 Jan 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

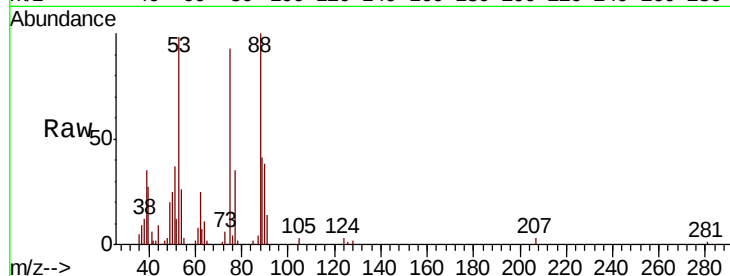
Tot Ion: 75 Resp: 22170

Ion Ratio Lower Upper

75 100

53 103.3 81.0 121.4

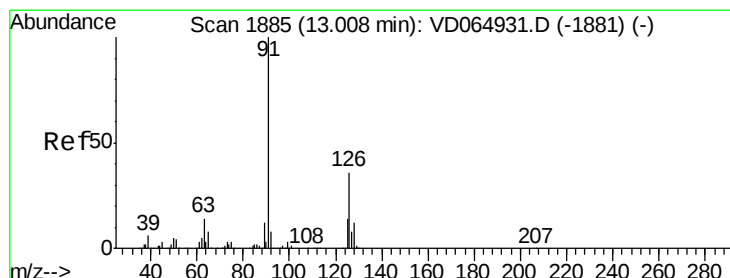
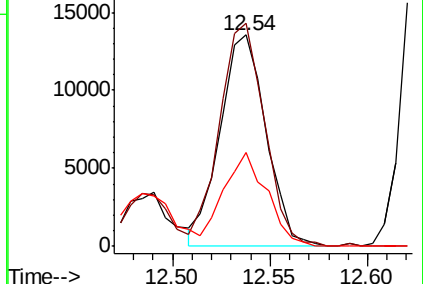
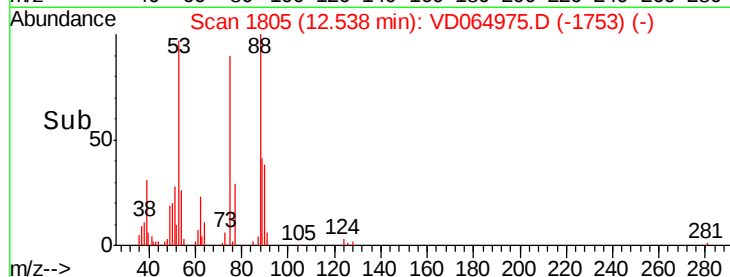
89 41.8 36.2 54.4



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 21.085 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD064975.D

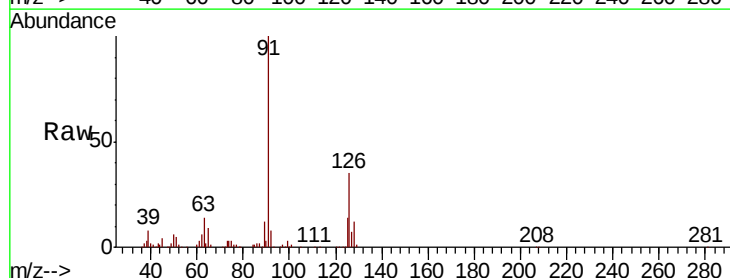
Acq: 28 Jan 2020 12:04

Tgt Ion: 91 Resp: 290372

Ion Ratio Lower Upper

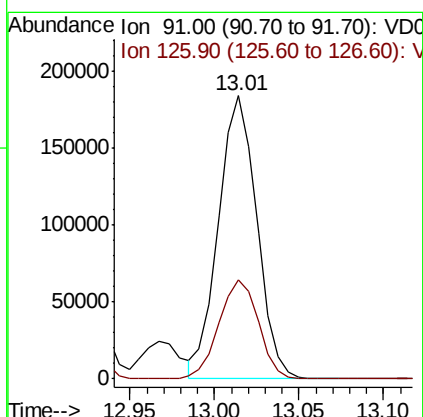
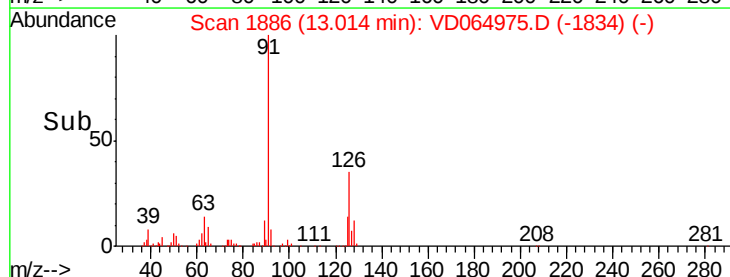
91 100

126 36.2 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

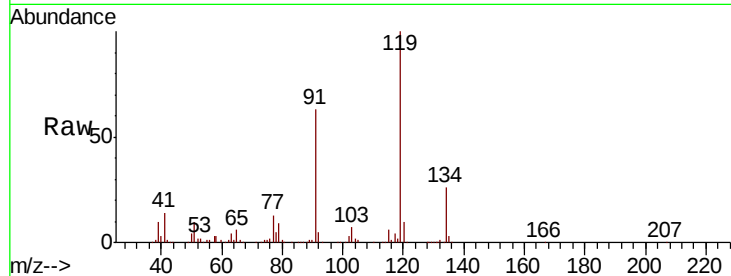




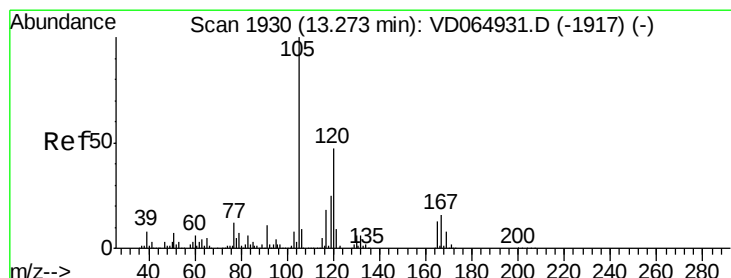
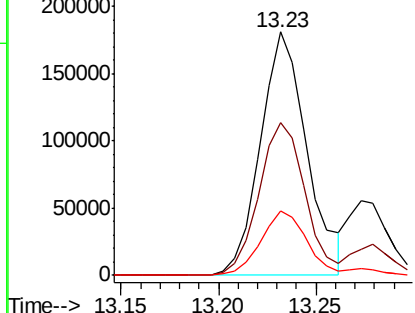
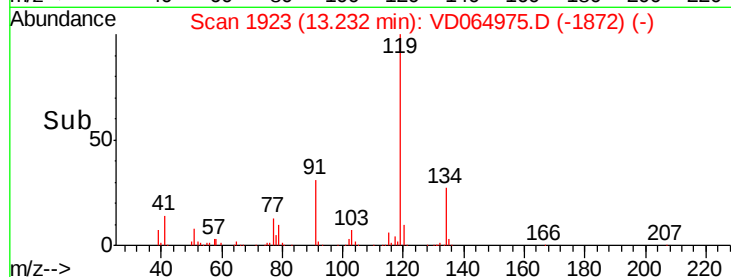
#83
 tert-Butylbenzene
 Concen: 21.656 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064975.D
 Acq: 28 Jan 2020 12:04

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:119 Resp: 299781
 Ion Ratio Lower Upper
 119 100
 91 61.8 32.0 96.0
 134 26.1 13.9 41.6

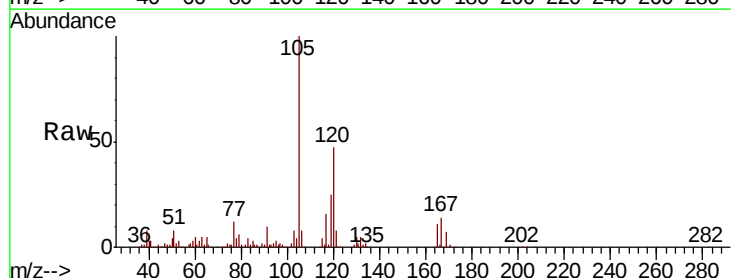


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

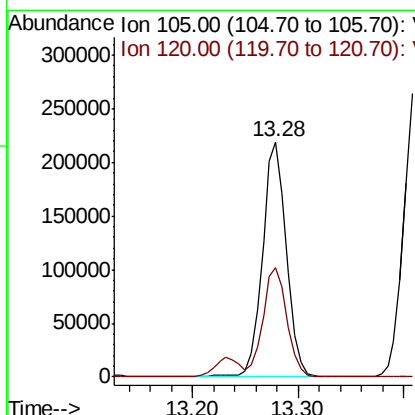
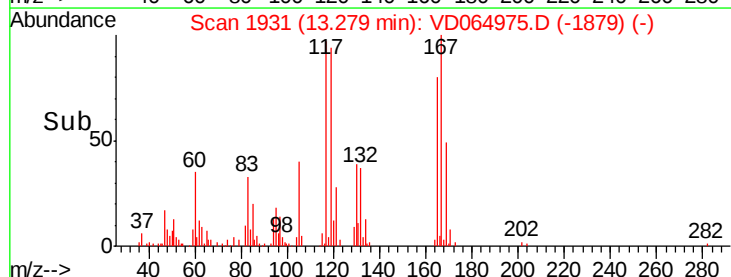


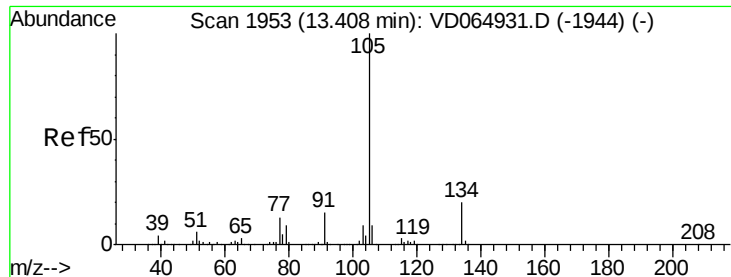
#84
 1,2,4-Trimethylbenzene
 Concen: 20.754 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.01 min
 Lab File: VD064975.D
 Acq: 28 Jan 2020 12:04

Tgt Ion:105 Resp: 342951
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.1 69.3



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

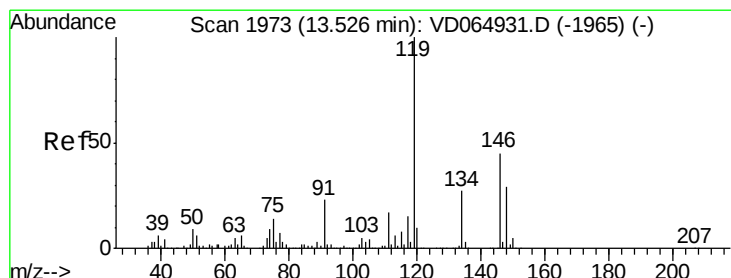
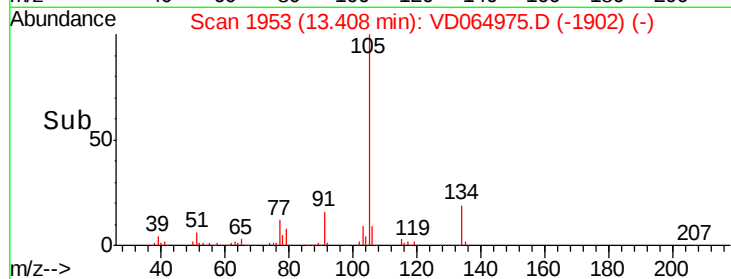
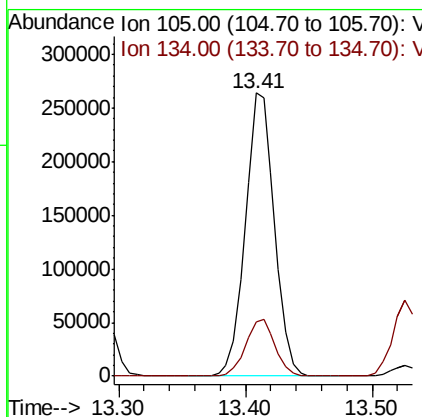
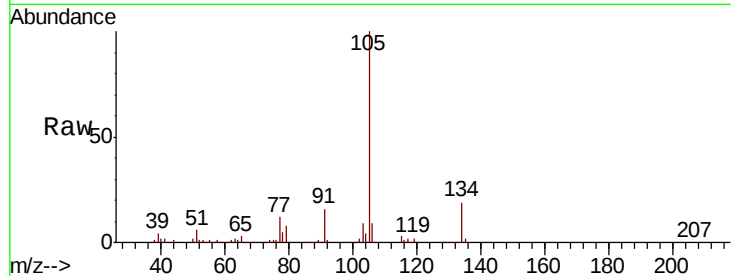




#85
 sec-Butylbenzene
 Concen: 21.364 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064975.D
 Acq: 28 Jan 2020 12:04

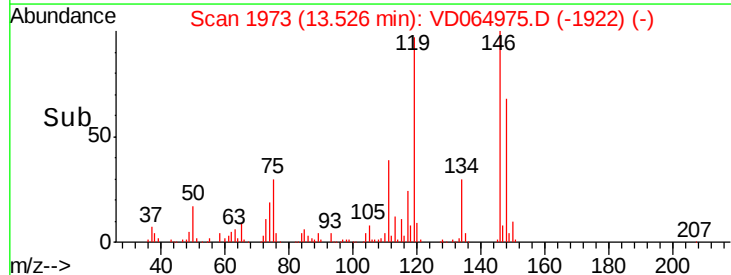
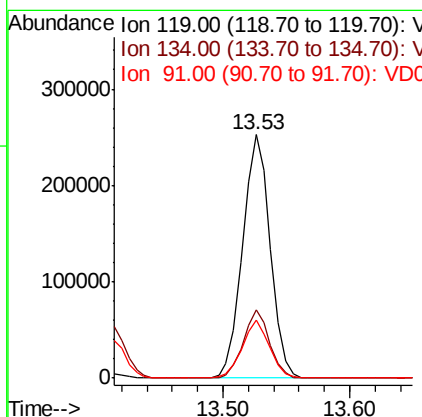
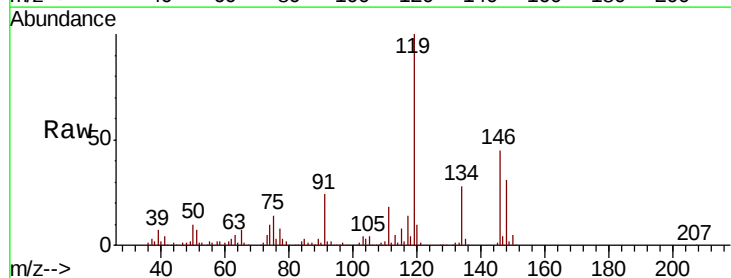
Instrument :
 MSVOA_D
 ClientSampleId :

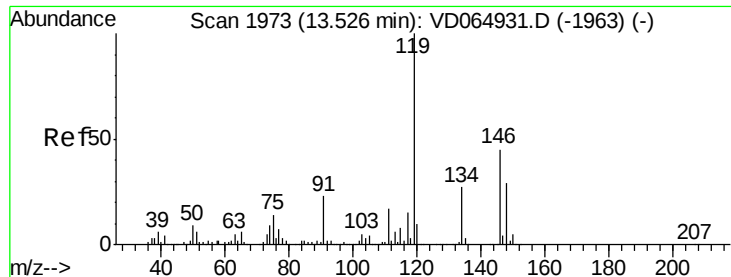
Tot Ion:105 Resp: 418746
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 20.675 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064975.D
 Acq: 28 Jan 2020 12:04

Tgt Ion:119 Resp: 379208
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.3 39.9
 91 23.1 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 20.197 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064975.D

Acq: 28 Jan 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

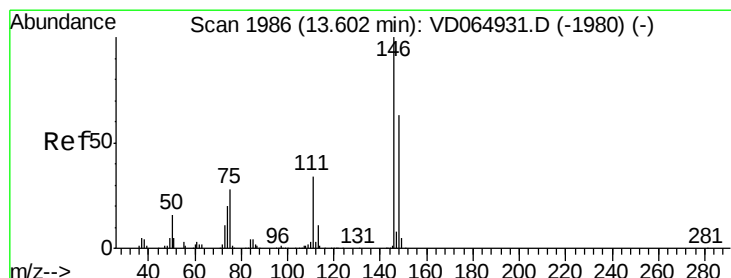
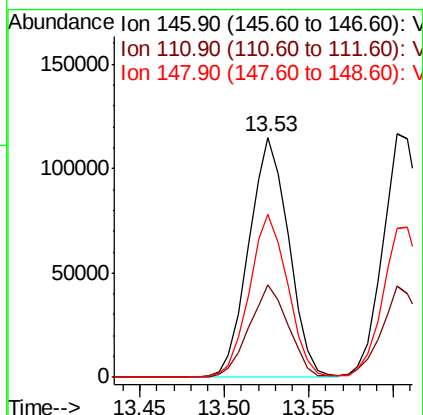
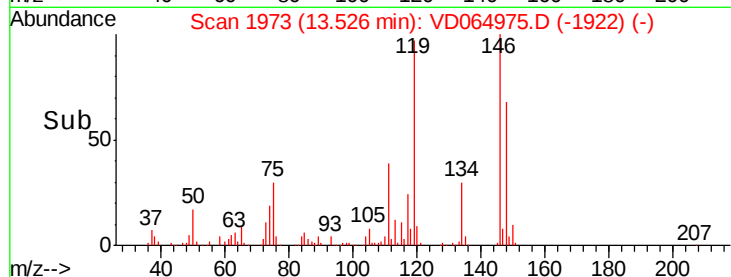
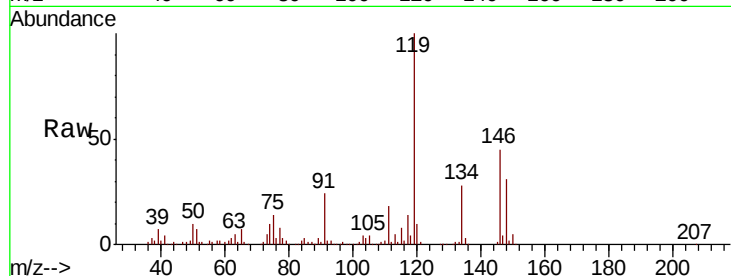
Tot Ion:146 Resp: 188736

Ion Ratio Lower Upper

146 100

111 37.9 18.9 56.9

148 65.7 32.6 97.7



#88

1,4-Dichlorobenzene

Concen: 20.730 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD064975.D

Acq: 28 Jan 2020 12:04

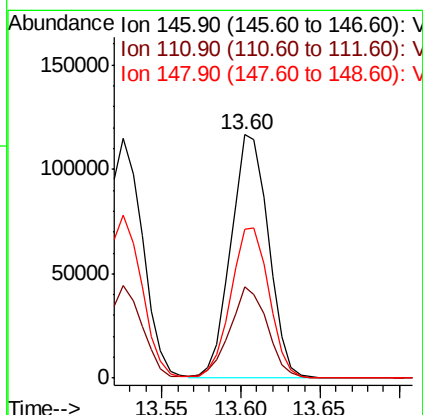
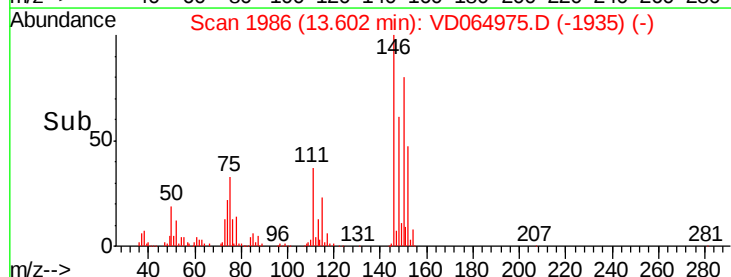
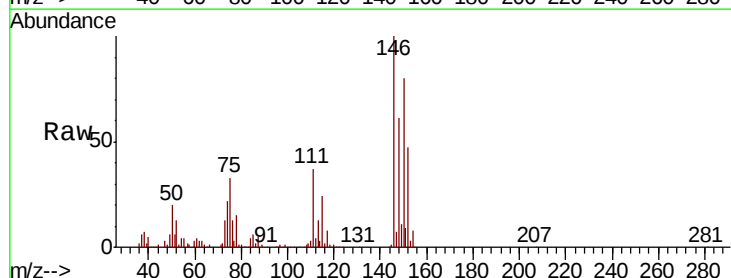
Tgt Ion:146 Resp: 192267

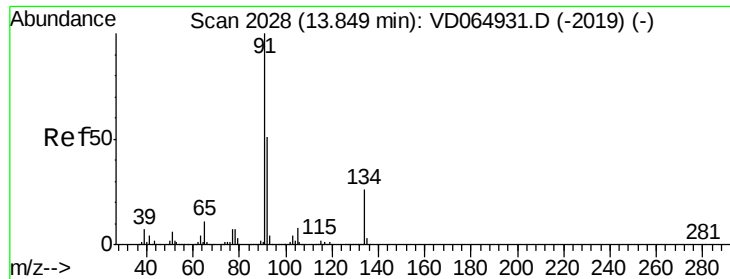
Ion Ratio Lower Upper

146 100

111 37.7 18.2 54.6

148 62.7 32.0 96.0

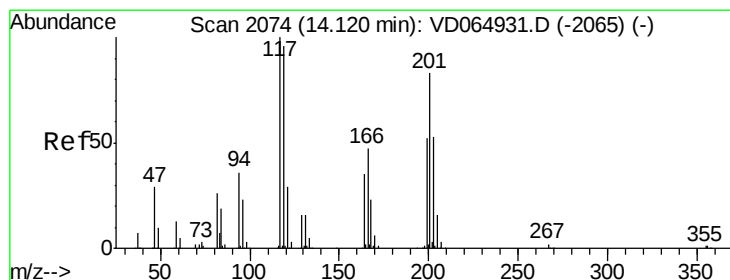
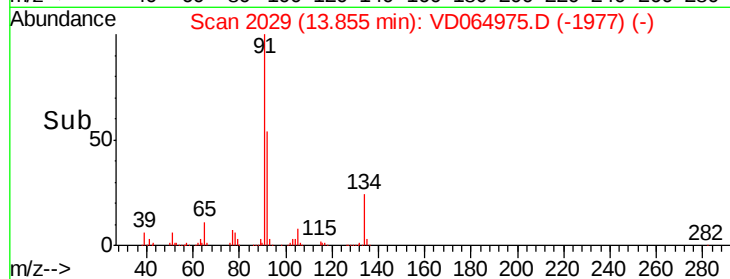
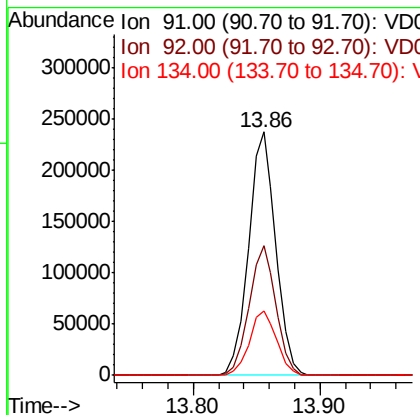
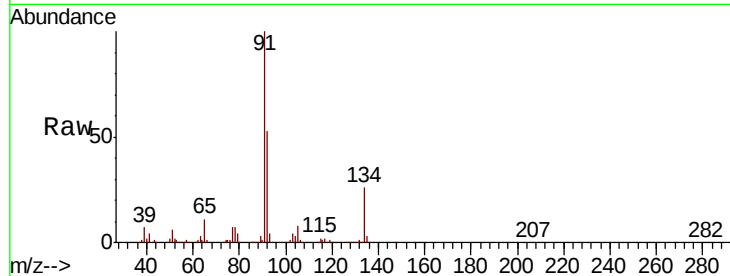




#89
n-Butylbenzene
Concen: 21.031 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064975.D
Acq: 28 Jan 2020 12:04

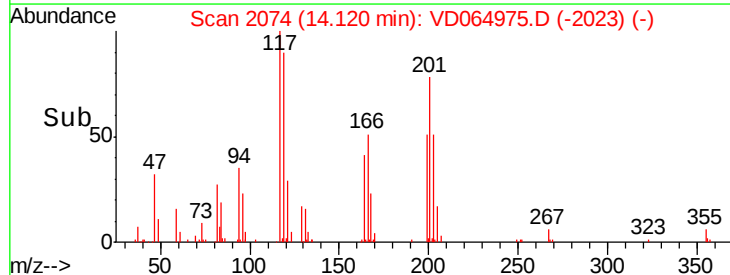
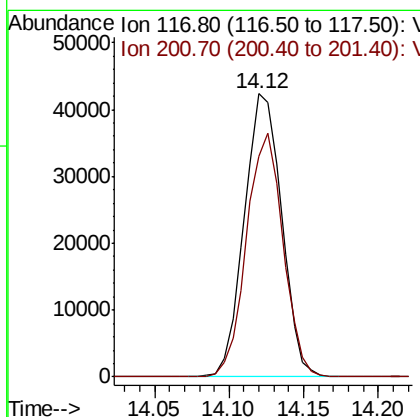
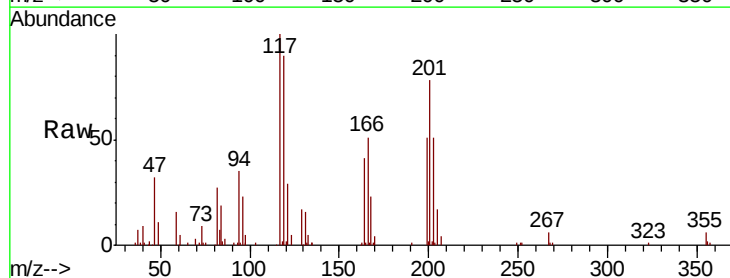
Instrument :
MSVOA_D
ClientSampleId :

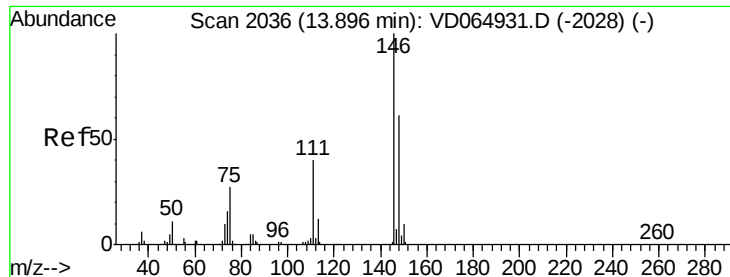
Tot Ion: 91 Resp: 352012
Ion Ratio Lower Upper
91 100
92 52.7 26.4 79.0
134 26.8 13.3 39.9



#90
Hexachloroethane
Concen: 20.763 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064975.D
Acq: 28 Jan 2020 12:04

Tgt Ion: 117 Resp: 73439
Ion Ratio Lower Upper
117 100
201 83.9 41.1 123.3





#91

1,2-Dichlorobenzene

Concen: 20.269 ug/l

RT: 13.90 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VD064975.D

Acq: 28 Jan 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

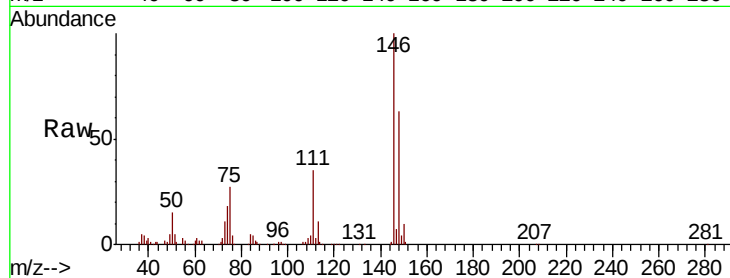
Tot Ion:146 Resp: 160798

Ion Ratio Lower Upper

146 100

111 38.8 19.4 58.2

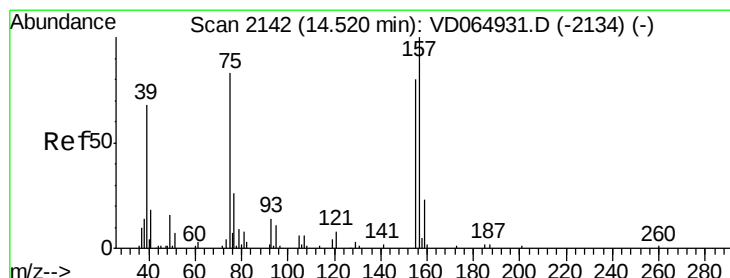
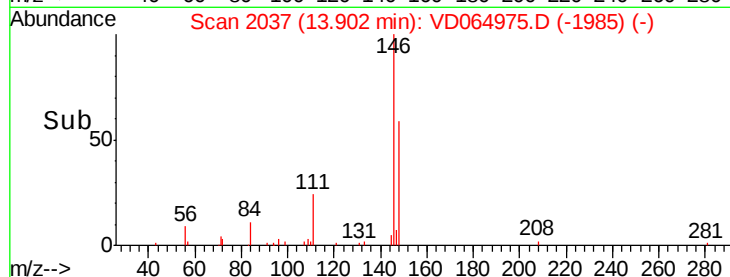
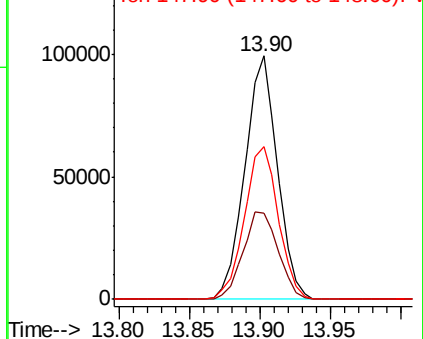
148 65.2 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.343 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VD064975.D

Acq: 28 Jan 2020 12:04

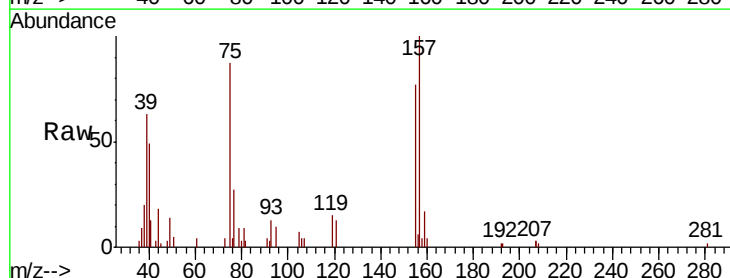
Tgt Ion: 75 Resp: 10356

Ion Ratio Lower Upper

75 100

155 87.9 44.9 134.7

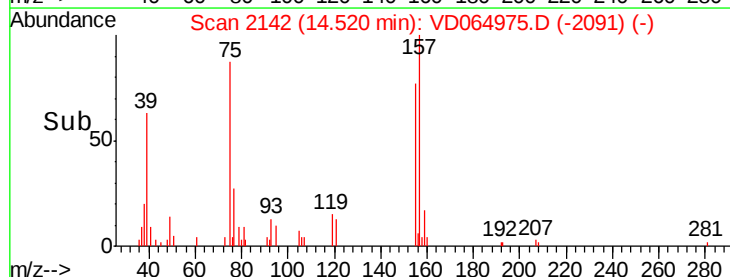
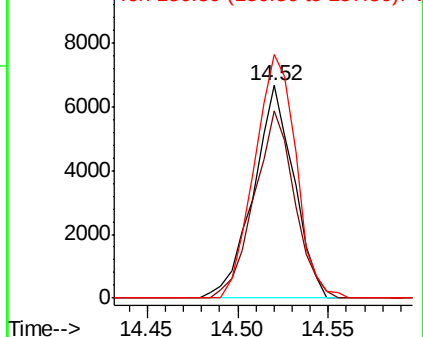
157 117.3 58.9 176.6

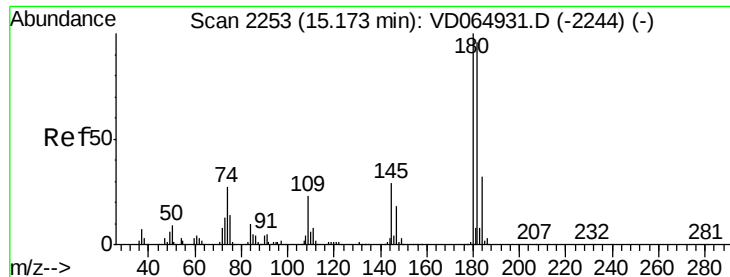


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

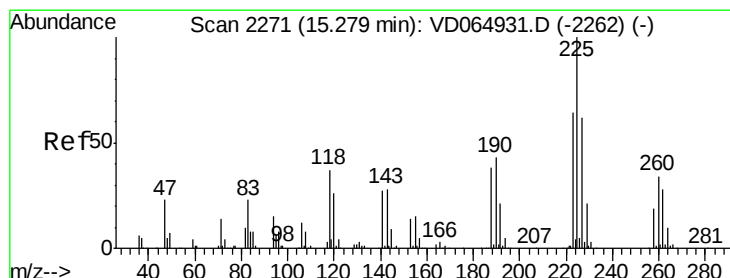
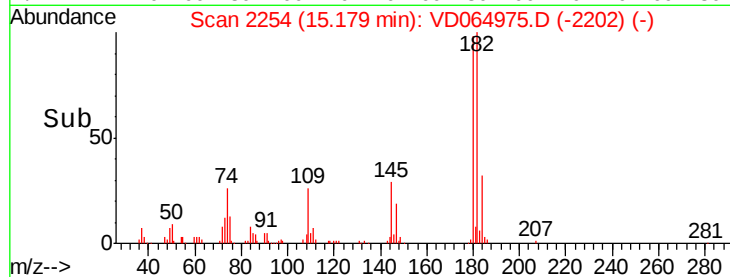
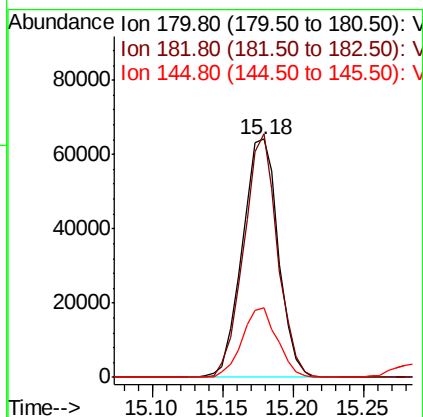
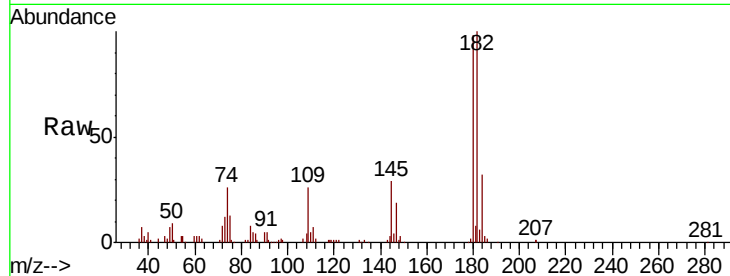




#93
 1,2,4-Trichlorobenzene
 Concen: 20.910 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD064975.D
 Acq: 28 Jan 2020 12:04

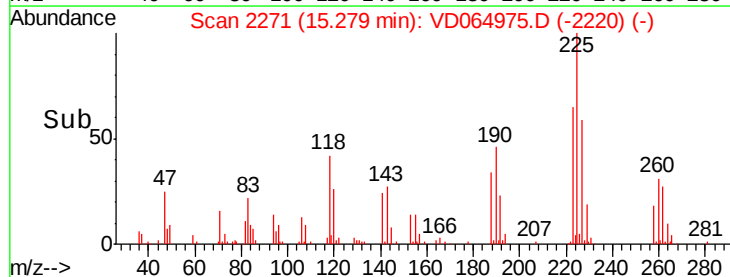
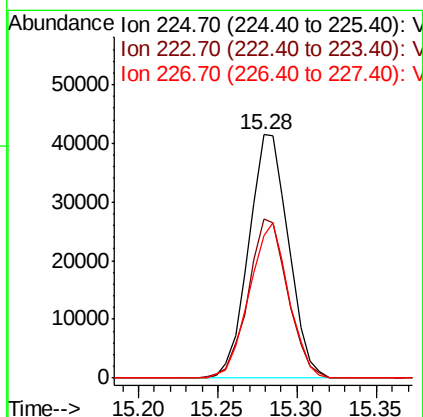
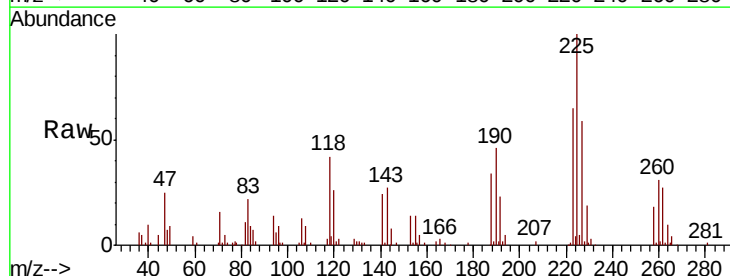
Instrument :
 MSVOA_D
 ClientSampleId :

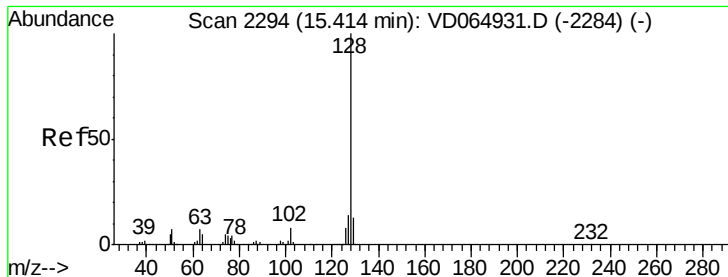
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.1	141.4
145	28.4	14.1	42.3



#94
 Hexachlorobutadiene
 Concen: 20.832 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064975.D
 Acq: 28 Jan 2020 12:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.8	32.4	97.2
227	62.9	31.9	95.9





#95

Naphthalene

Concen: 19.195 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064975.D

Acq: 28 Jan 2020 12:04

Instrument :

MSVOA_D

ClientSampleId :

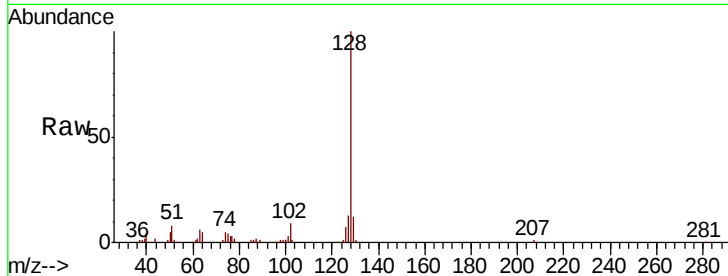
Tot Ion:128 Resp: 170023

Ion Ratio Lower Upper

128 100

127 13.4 10.6 15.8

129 11.4 9.3 13.9

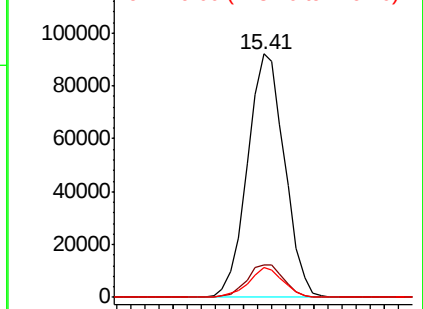


Abundance

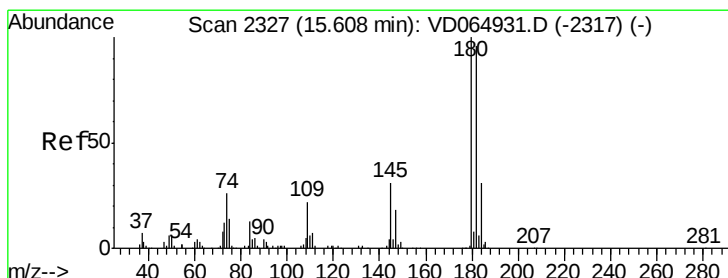
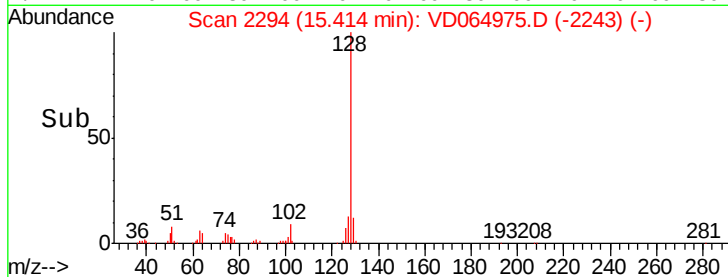
Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 20.122 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064975.D

Acq: 28 Jan 2020 12:04

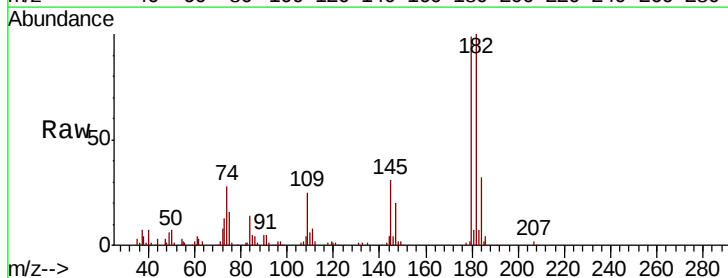
Tgt Ion:180 Resp: 95756

Ion Ratio Lower Upper

180 100

182 96.2 47.3 141.8

145 29.2 14.6 43.8

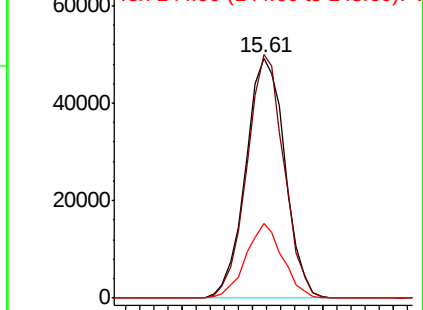


Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V



Time-->

