

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120519\
 Data File : VD064427.D
 Acq On : 05 Dec 2019 10:31
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 06 05:52:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	511336	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	726767	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	623626	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	306565	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	215443	46.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.10%	
35) Dibromofluoromethane	7.91	113	224865	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
50) Toluene-d8	10.34	98	864044	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
62) 4-Bromofluorobenzene	12.64	95	264301	47.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	220357	47.561	ug/l	99
3) Chloromethane	2.21	50	266938	45.679	ug/l	100
4) Vinyl Chloride	2.35	62	325074	48.179	ug/l	100
5) Bromomethane	2.77	94	211966	42.481	ug/l	98
6) Chloroethane	2.93	64	213638	47.371	ug/l	98
7) Trichlorofluoromethane	3.27	101	539016	48.055	ug/l	96
8) Diethyl Ether	3.71	74	101463	43.530	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	234052	48.666	ug/l	98
10) Methyl Iodide	4.30	142	248096	48.849	ug/l	99
11) Tert butyl alcohol	5.25	59	54671	185.566	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	222116	48.193	ug/l	99
13) Acrolein	3.92	56	87584	217.951	ug/l	98
14) Allyl chloride	4.71	41	352206	48.966	ug/l	99
15) Acrylonitrile	5.43	53	213108	209.082	ug/l	99
16) Acetone	4.16	43	247669	264.803	ug/l	98
17) Carbon Disulfide	4.40	76	708485	48.536	ug/l	98
18) Methyl Acetate	4.73	43	127381	46.691	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	461686	43.670	ug/l	98
20) Methylene Chloride	4.97	84	222433	46.494	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	246101	47.205	ug/l	98
22) Diisopropyl ether	6.37	45	655955	46.196	ug/l	96
23) Vinyl Acetate	6.31	43	1847107	220.653	ug/l	100
24) 1,1-Dichloroethane	6.26	63	407029	47.665	ug/l	97
25) 2-Butanone	7.22	43	294210	222.431	ug/l	99
26) 2,2-Dichloropropane	7.21	77	378747	51.001	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	265144	46.649	ug/l	98
28) Bromochloromethane	7.55	49	133682	45.808	ug/l	99
29) Tetrahydrofuran	7.57	42	171756	204.099	ug/l	98
30) Chloroform	7.71	83	414548	46.874	ug/l	99
31) Cyclohexane	7.98	56	391543	52.772	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	399124	48.678	ug/l	99
36) 1,1-Dichloropropene	8.11	75	346100	50.347	ug/l	99
37) Ethyl Acetate	7.30	43	121574	41.680	ug/l	99
38) Carbon Tetrachloride	8.10	117	372186	51.299	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	420490	49.312	ug/l	97
40) Benzene	8.35	78	927992	48.605	ug/l	98
41) Methacrylonitrile	7.53	41	73488	43.932	ug/l	94
42) 1,2-Dichloroethane	8.43	62	256424	46.054	ug/l	98
43) Isopropyl Acetate	8.46	43	249617	43.524	ug/l	98
44) Trichloroethene	9.11	130	276797	48.129	ug/l	98
45) 1,2-Dichloropropane	9.38	63	219392	48.048	ug/l	96
46) Dibromomethane	9.48	93	118986	46.170	ug/l	98
47) Bromodichloromethane	9.66	83	322357	48.681	ug/l	96
48) Methyl methacrylate	9.46	41	125724	47.907	ug/l	89
49) 1,4-Dioxane	9.47	88	26021	817.661	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	607480	214.076	ug/l	100
52) Toluene	10.40	92	597725	48.038	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	296088	46.917	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	357182	47.643	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	159455	45.187	ug/l	97
56) Ethyl methacrylate	10.66	69	196167	43.585	ug/l	99
57) 1,3-Dichloropropane	10.95	76	274467	45.691	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	408440	227.646	ug/l	99
59) 2-Hexanone	10.99	43	445257	226.129	ug/l	98
60) Dibromochloromethane	11.14	129	217692	45.499	ug/l	99
61) 1,2-Dibromoethane	11.25	107	157269	44.636	ug/l	98
64) Tetrachloroethene	10.88	164	234575	49.326	ug/l	99
65) Chlorobenzene	11.67	112	618980	47.589	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	237866	49.401	ug/l	98
67) Ethyl Benzene	11.75	91	1139915	49.257	ug/l	99
68) m/p-Xylenes	11.86	106	876684	99.354	ug/l	99
69) o-Xylene	12.18	106	395779	48.566	ug/l	98
70) Styrene	12.20	104	698775	49.343	ug/l	98
71) Bromoform	12.37	173	128486	44.602	ug/l #	97
73) Isopropylbenzene	12.48	105	1102878	50.021	ug/l	100
74) N-amyl acetate	12.30	43	218906	43.745	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	158965	43.598	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	216375	85.826	ug/l #	100
77) Bromobenzene	12.77	156	257051	47.210	ug/l	98
78) n-propylbenzene	12.83	91	1264536	49.707	ug/l	99
79) 2-Chlorotoluene	12.91	91	685247	48.953	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	890884	49.444	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	54185	46.865	ug/l	97
82) 4-Chlorotoluene	13.01	91	734765	49.576	ug/l	98
83) tert-Butylbenzene	13.23	119	775163	49.486	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	883855	48.784	ug/l	100
85) sec-Butylbenzene	13.41	105	1070009	49.770	ug/l	100
86) p-Isopropyltoluene	13.53	119	1019056	50.207	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	492944	47.701	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	483648	47.404	ug/l	100
89) n-Butylbenzene	13.86	91	927786	50.335	ug/l	100
90) Hexachloroethane	14.12	117	188861	49.749	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	408829	46.291	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	25501	46.501	ug/l	94

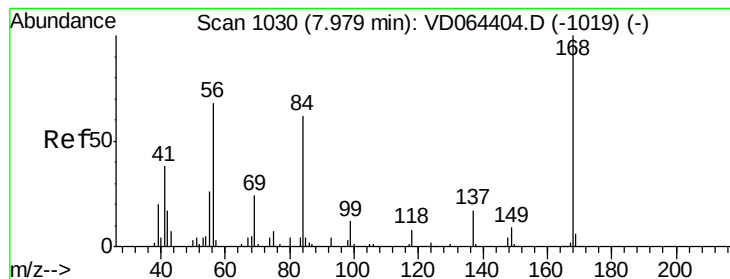
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	307021	45.392	ug/l	98
94) Hexachlorobutadiene	15.28	225	196935	47.164	ug/l	96
95) Naphthalene	15.41	128	489634	43.377	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	264391	45.793	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

Instrument :

MSVOA_D

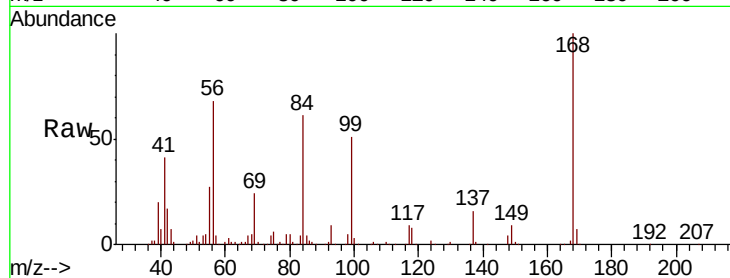
ClientSampleId :

Tot Ion:168 Resp: 511336

Ion Ratio Lower Upper

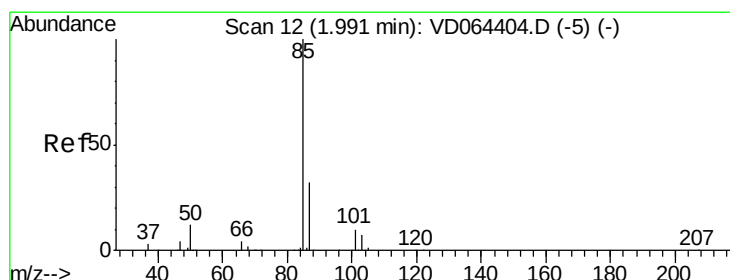
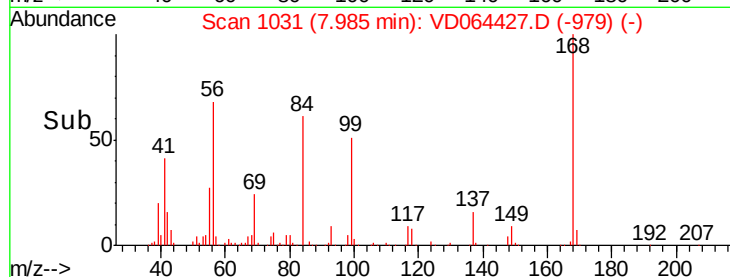
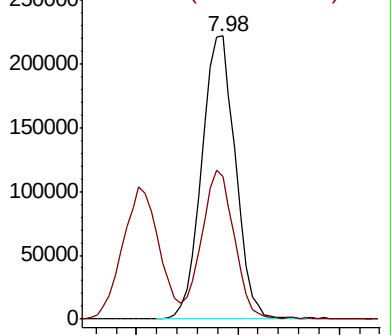
168 100

99 50.1 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 47.561 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064427.D

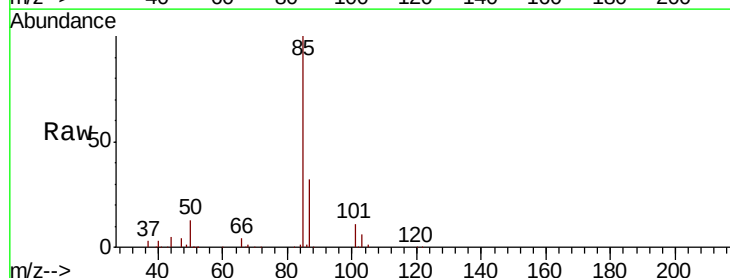
Acq: 05 Dec 2019 10:31

Tgt Ion: 85 Resp: 220357

Ion Ratio Lower Upper

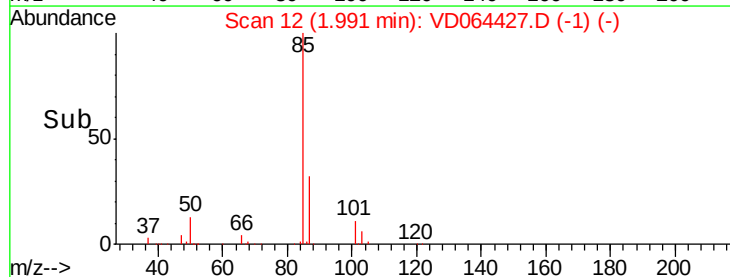
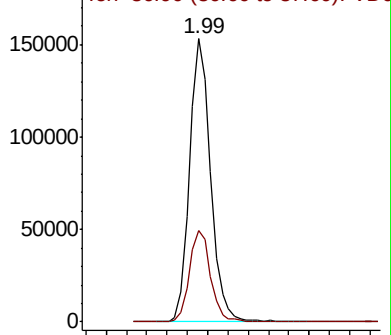
85 100

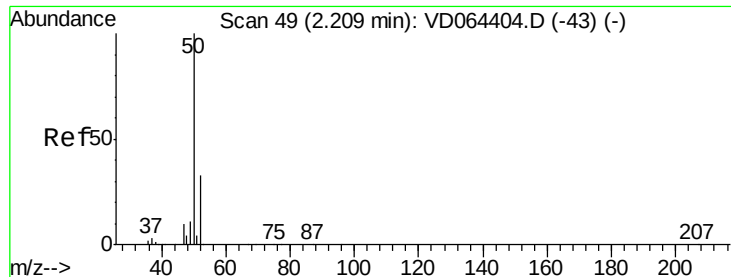
87 32.4 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 45.679 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

Instrument :

MSVOA_D

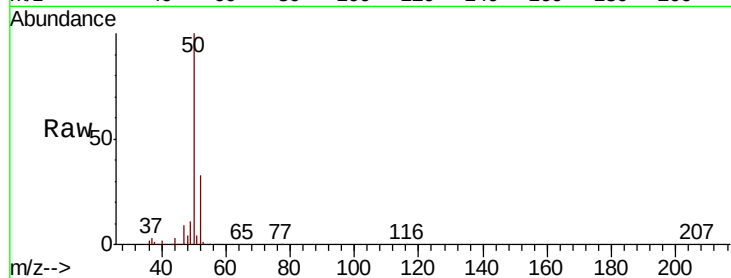
ClientSampled :

Tot Ion: 50 Resp: 266938

Ion Ratio Lower Upper

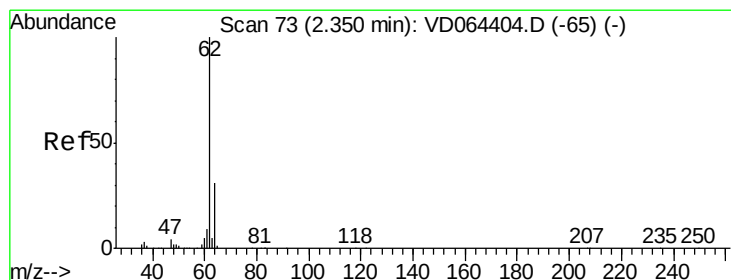
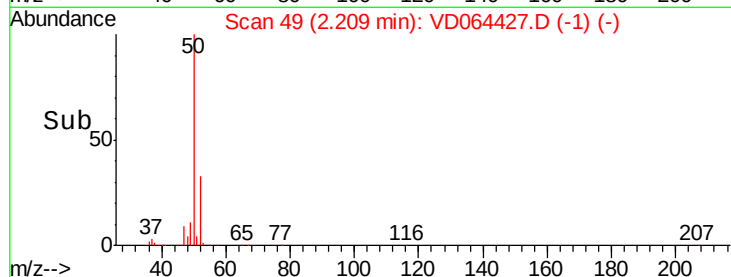
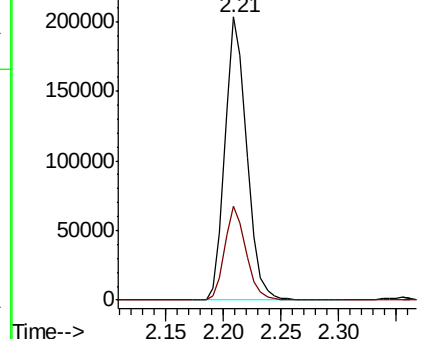
50 100

52 33.3 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.179 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064427.D

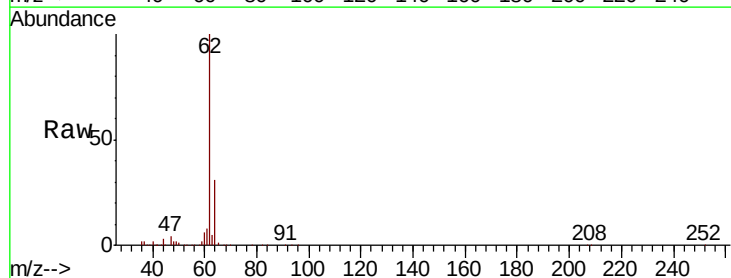
Acq: 05 Dec 2019 10:31

Tgt Ion: 62 Resp: 325074

Ion Ratio Lower Upper

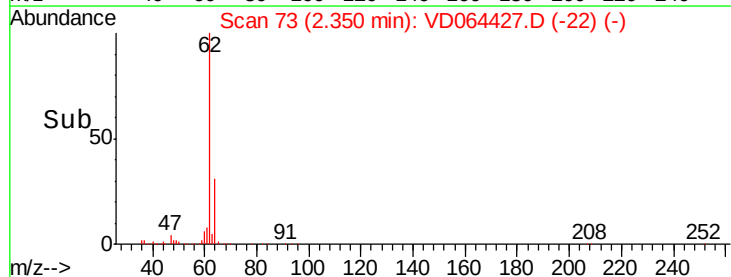
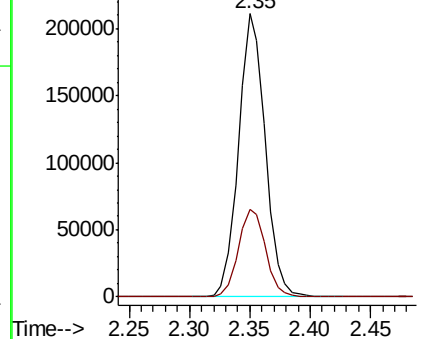
62 100

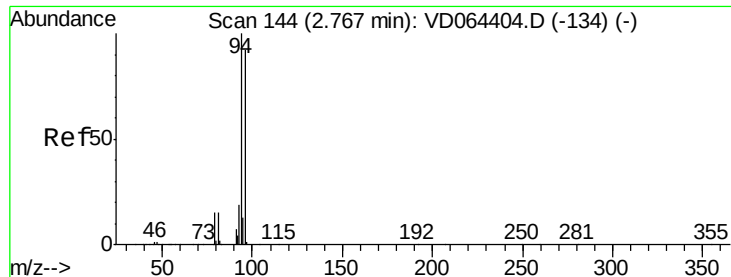
64 31.1 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 42.481 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

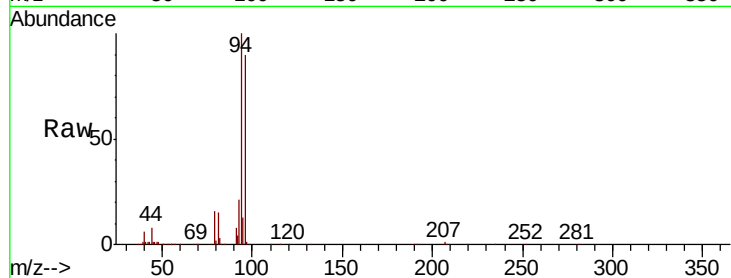
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 94 Resp: 211966

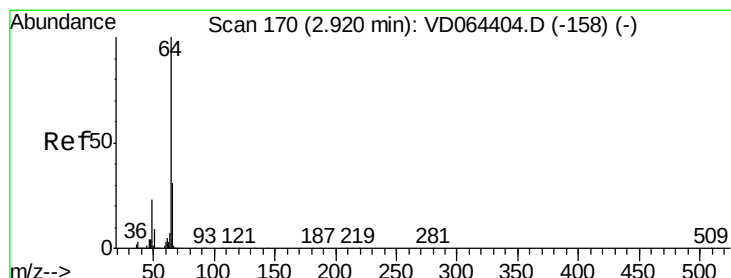
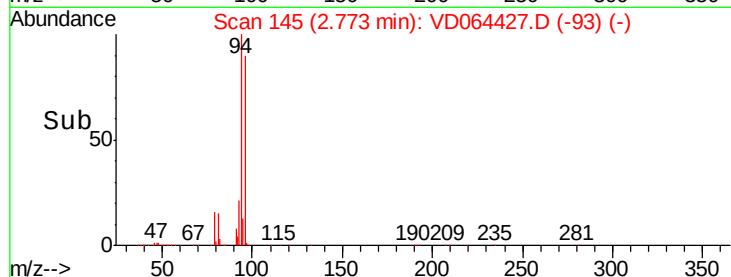
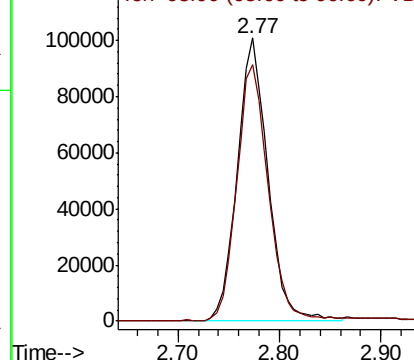
Ion Ratio Lower Upper

94 100

96 90.2 73.6 110.4



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



#6

Chloroethane

Concen: 47.371 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064427.D

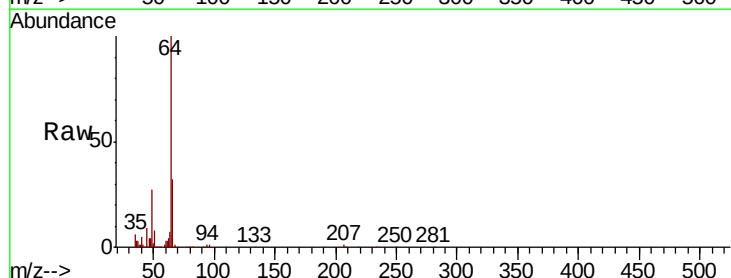
Acq: 05 Dec 2019 10:31

Tgt Ion: 64 Resp: 213638

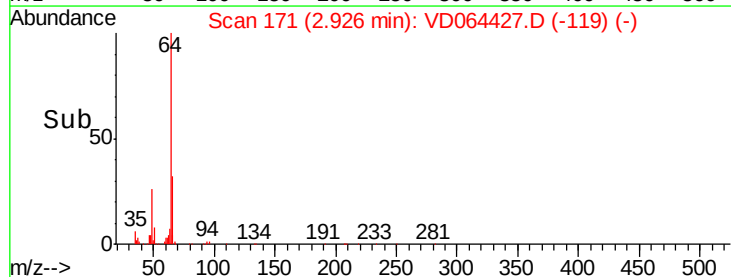
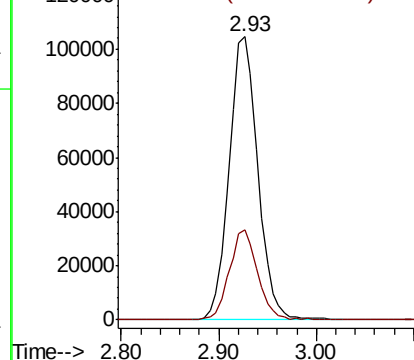
Ion Ratio Lower Upper

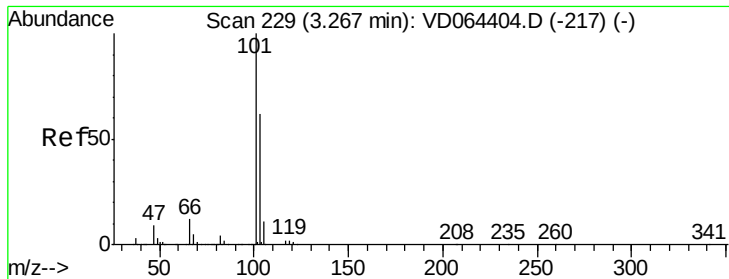
64 100

66 31.8 24.6 37.0



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



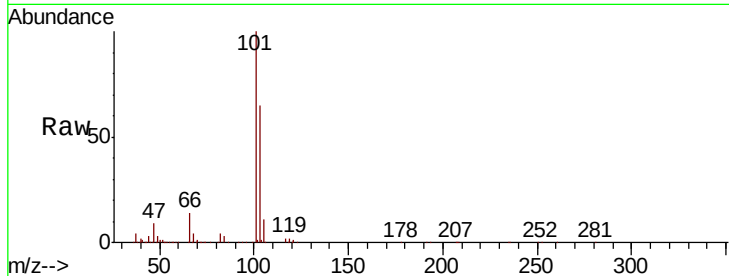


#7

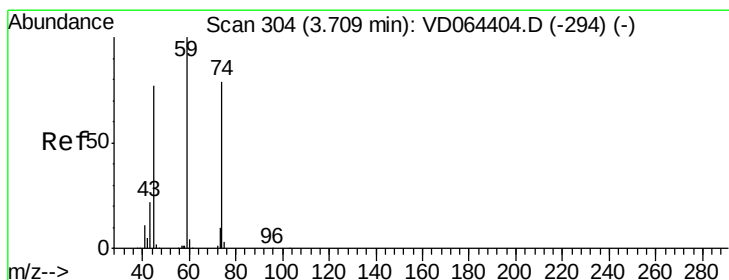
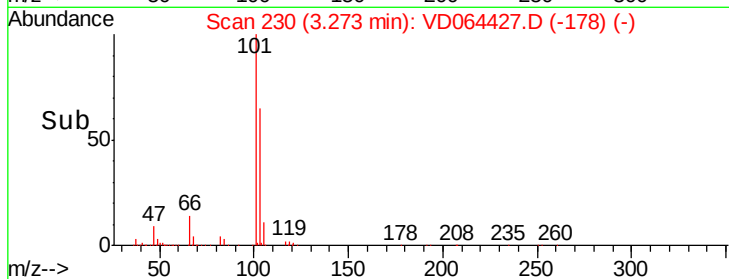
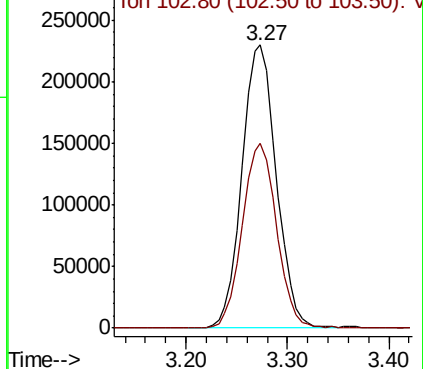
Trichlorofluoromethane
 Concen: 48.055 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064427.D
 Acq: 05 Dec 2019 10:31

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:101 Resp: 539016
 Ion Ratio Lower Upper
 101 100
 103 65.2 49.8 74.6



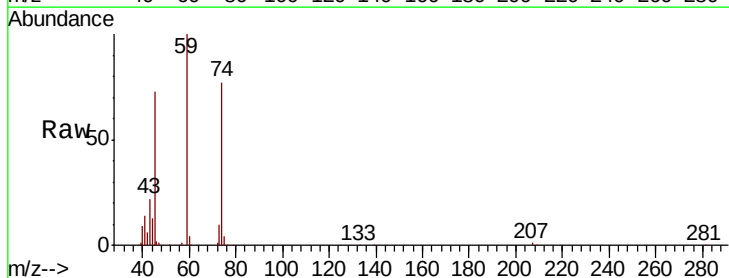
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



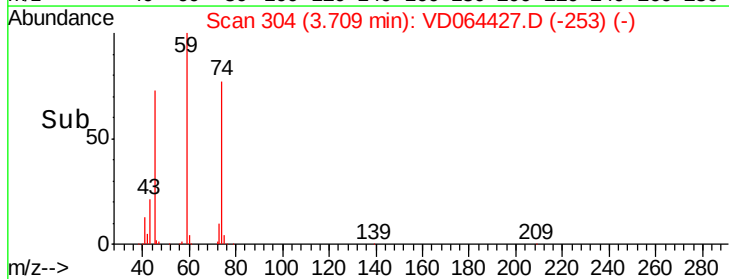
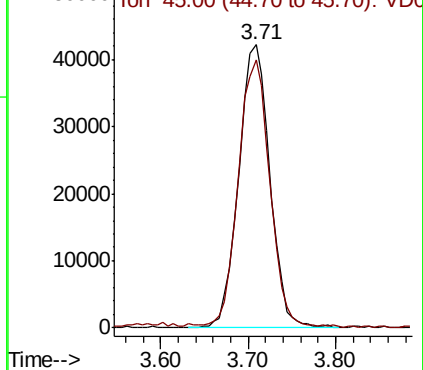
#8

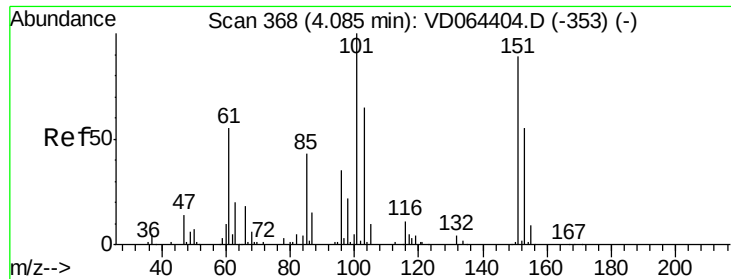
Diethyl Ether
 Concen: 43.530 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD064427.D
 Acq: 05 Dec 2019 10:31

Tgt Ion: 74 Resp: 101463
 Ion Ratio Lower Upper
 74 100
 45 94.3 48.6 145.9



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.666 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

Instrument :

MSVOA_D

ClientSampleId :

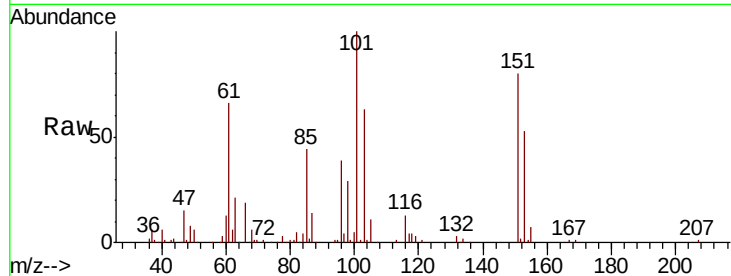
Tot Ion:101 Resp: 234052

Ion Ratio Lower Upper

101 100

85 44.4 34.8 52.2

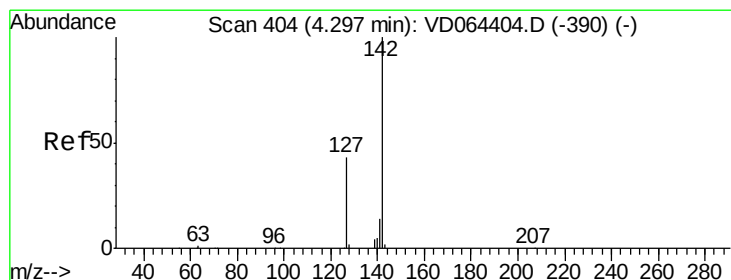
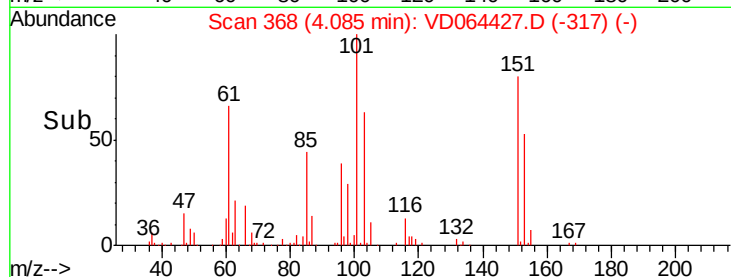
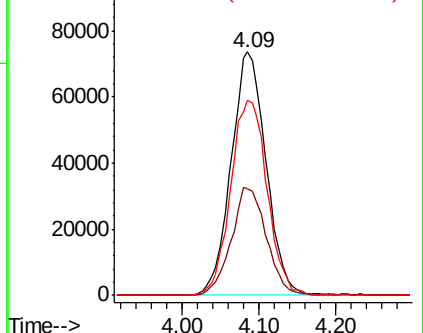
151 83.4 68.8 103.2



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: 48.849 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

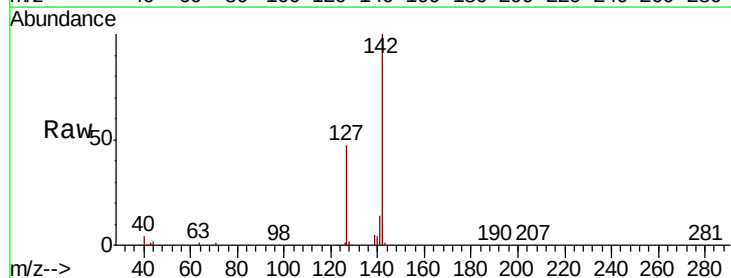
Tgt Ion:142 Resp: 248096

Ion Ratio Lower Upper

142 100

127 43.0 35.3 52.9

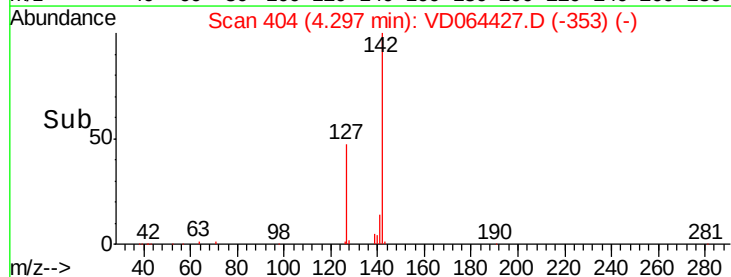
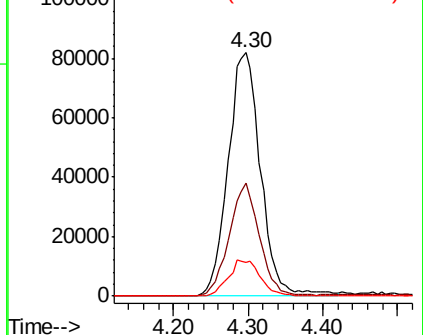
141 14.4 11.6 17.4

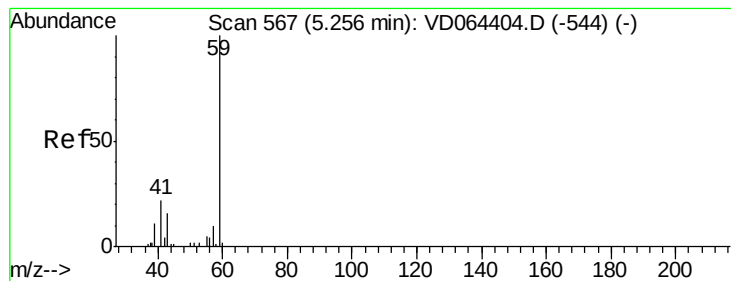


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



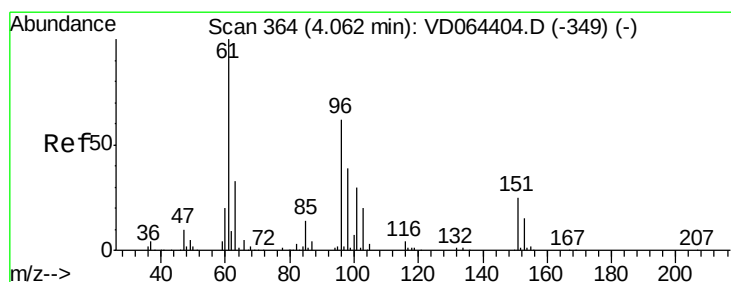
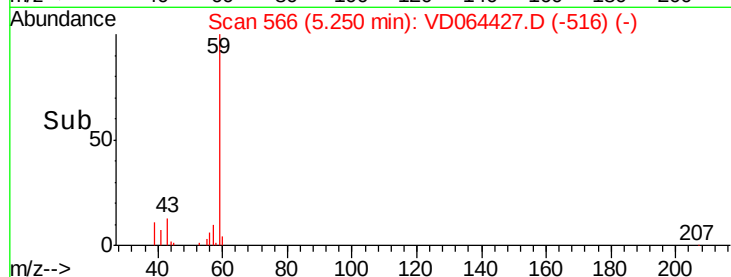
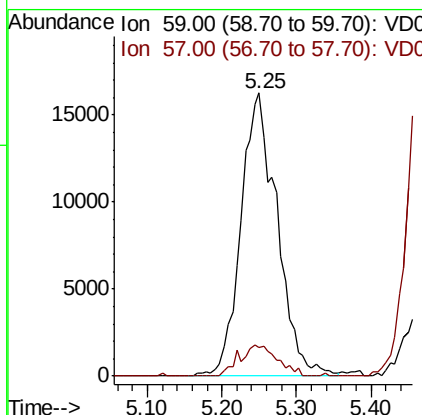
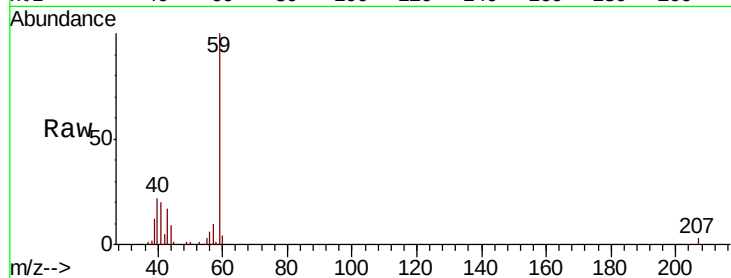


#11

Tert butyl alcohol
Concen: 185.566 ug/l
RT: 5.25 min Scan# 566
Delta R.T. -0.01 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Instrument :
MSVOA_D
ClientSampleId :

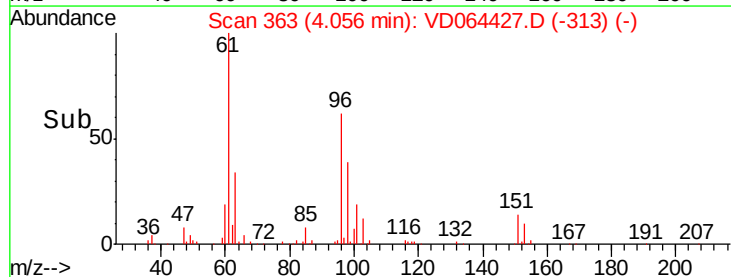
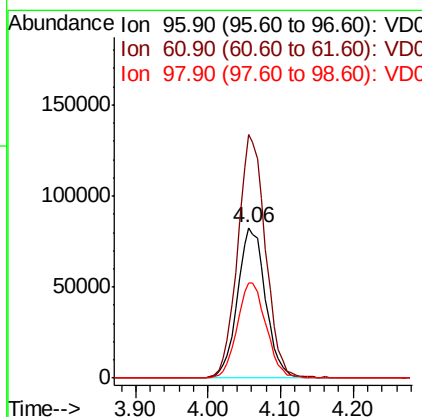
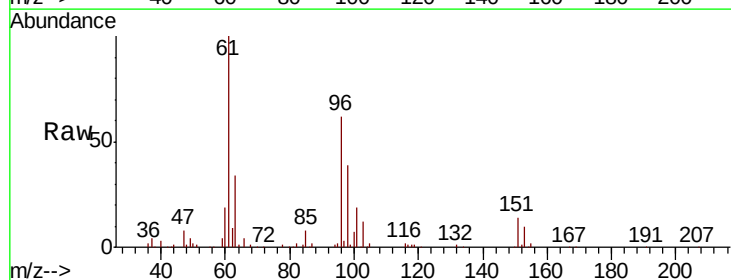
Tot Ion: 59 Resp: 54671
Ion Ratio Lower Upper
59 100
57 11.7 0.0 0.0#

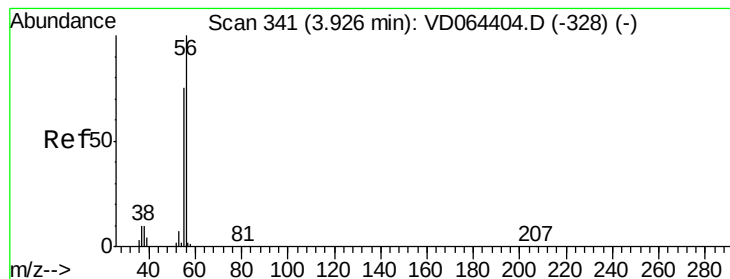


#12

1,1-Dichloroethene
Concen: 48.193 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Tgt Ion: 96 Resp: 222116
Ion Ratio Lower Upper
96 100
61 162.0 128.2 192.4
98 63.0 50.4 75.6





#13

Acrolein

Concen: 217.951 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

Instrument :

MSVOA_D

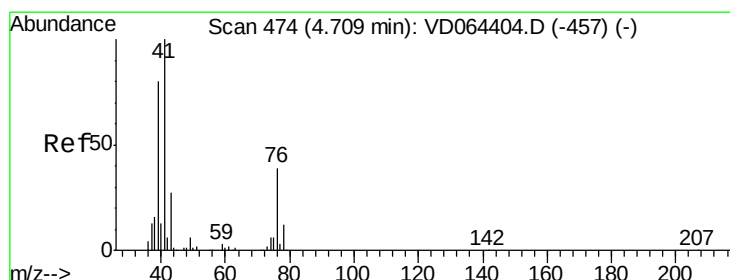
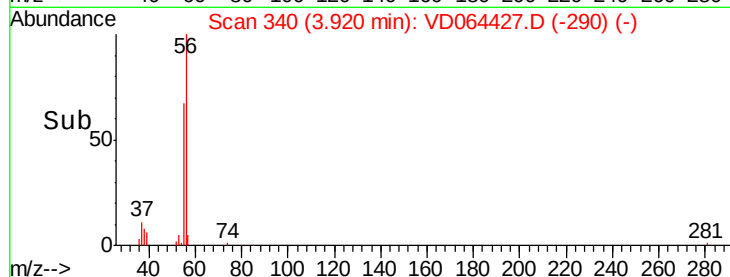
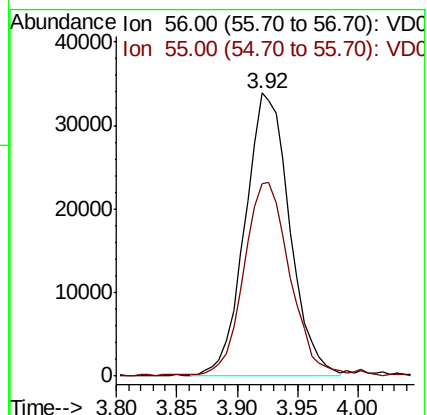
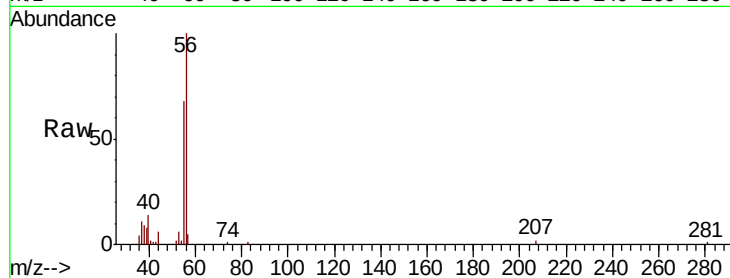
ClientSampleId :

Tot Ion: 56 Resp: 87584

Ion Ratio Lower Upper

56 100

55 69.1 56.9 85.3



#14

Allyl chloride

Concen: 48.966 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

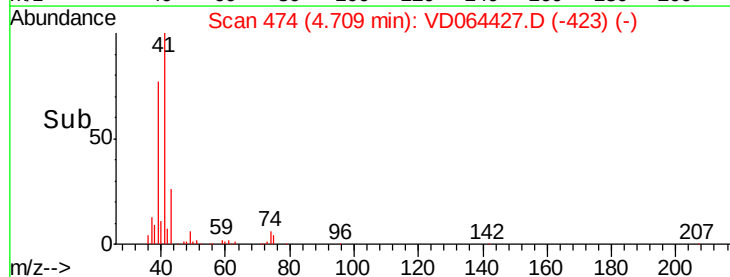
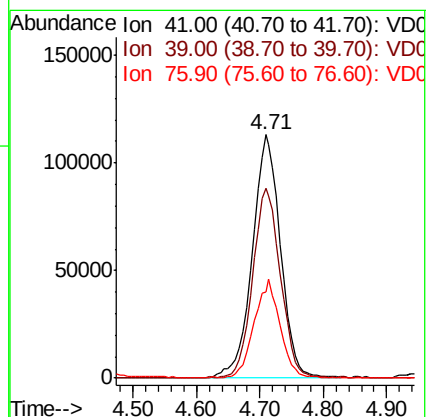
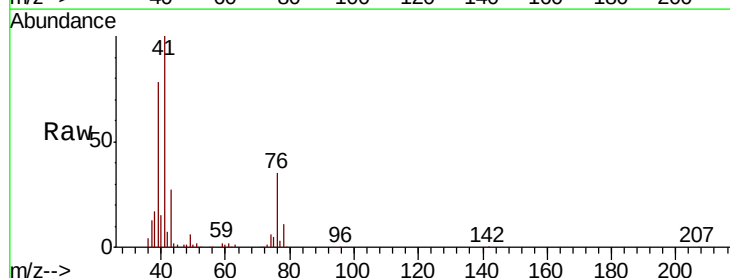
Tgt Ion: 41 Resp: 352206

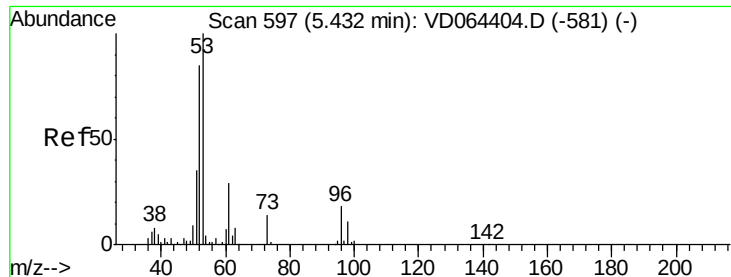
Ion Ratio Lower Upper

41 100

39 76.8 62.1 93.1

76 36.5 29.8 44.8





#15

Acrylonitrile

Concen: 209.082 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

Instrument :

MSVOA_D

ClientSampleId :

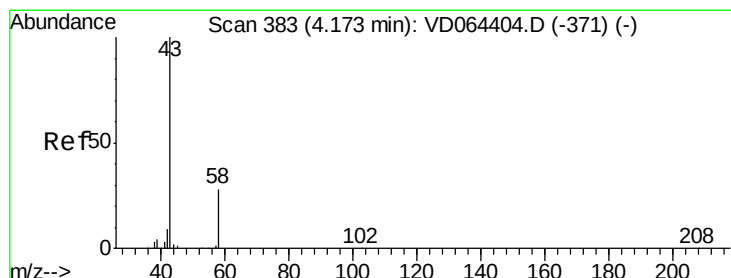
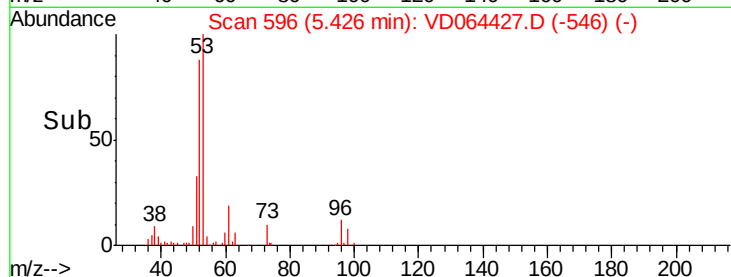
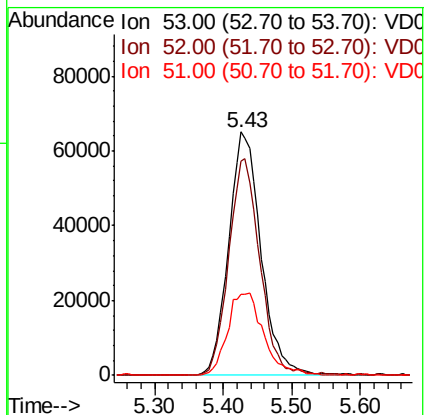
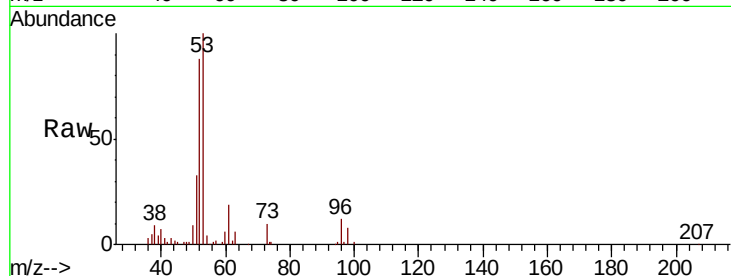
Tot Ion: 53 Resp: 213108

Ion Ratio Lower Upper

53 100

52 85.2 67.9 101.9

51 37.6 30.6 45.8



#16

Acetone

Concen: 264.803 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064427.D

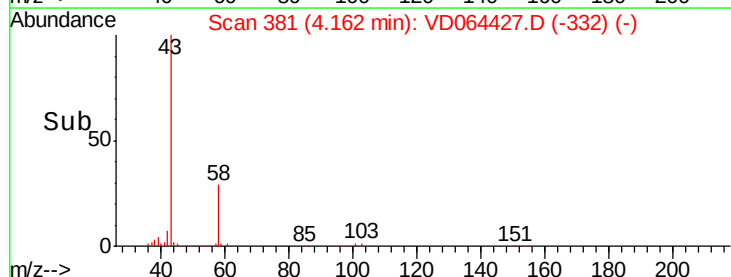
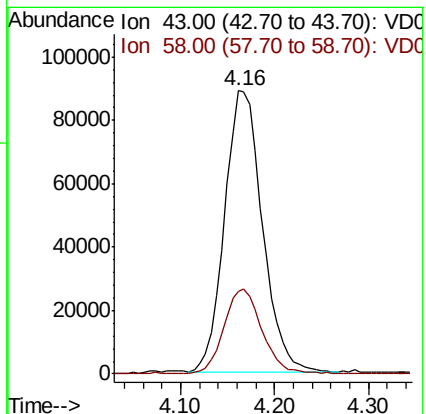
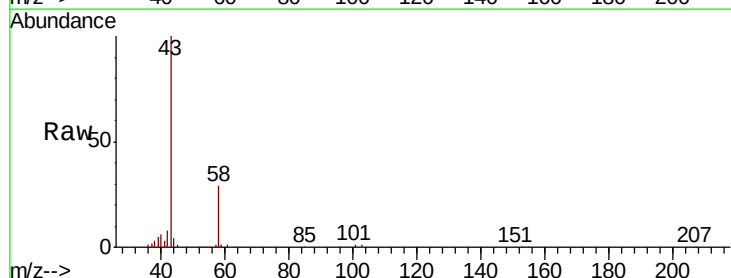
Acq: 05 Dec 2019 10:31

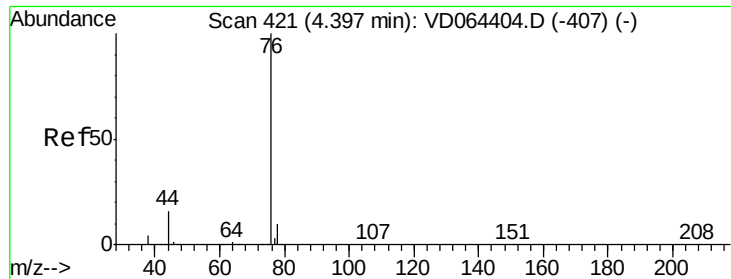
Tgt Ion: 43 Resp: 247669

Ion Ratio Lower Upper

43 100

58 29.2 22.6 33.8

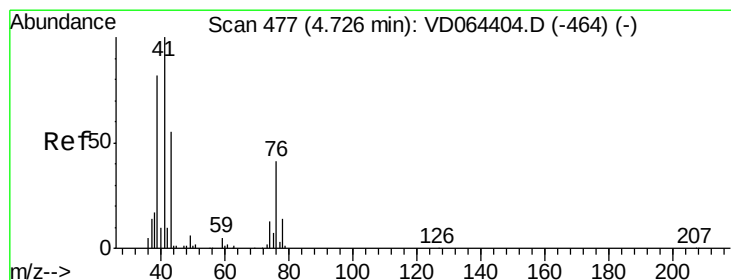
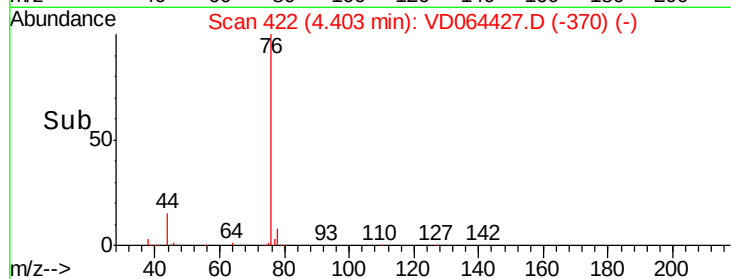
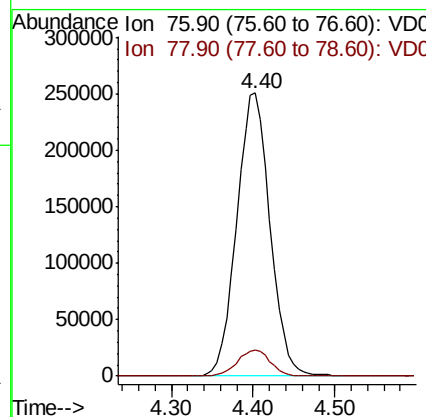
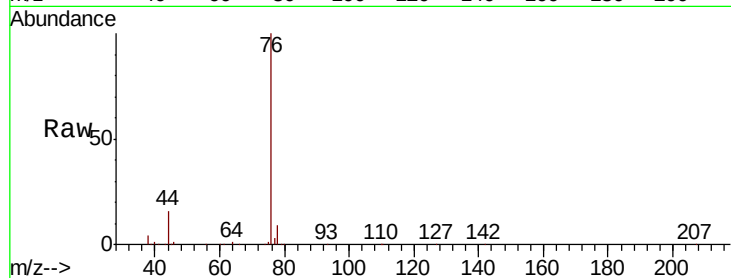




#17
Carbon Disulfide
Concen: 48.536 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

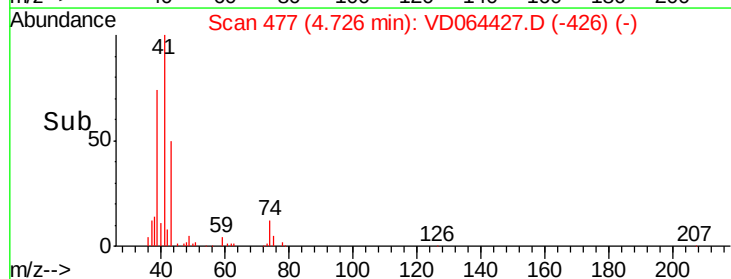
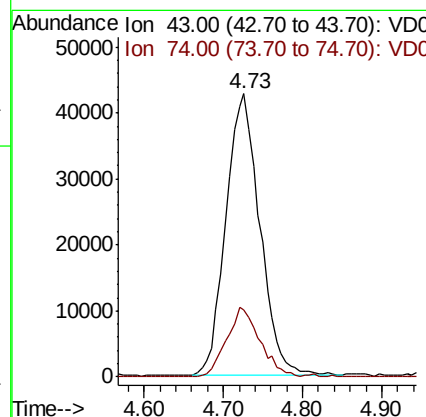
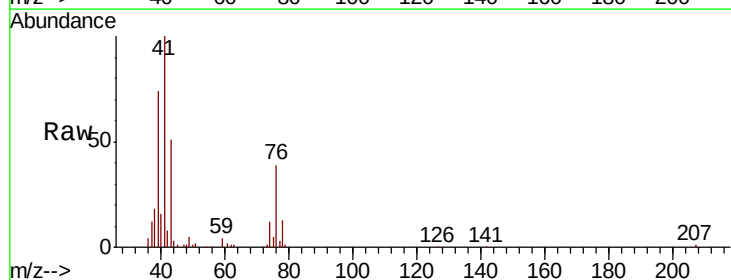
Instrument :
MSVOA_D
ClientSampled :

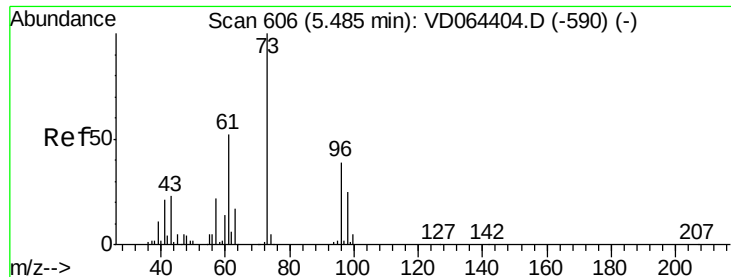
Tot Ion: 76 Resp: 708485
Ion Ratio Lower Upper
76 100
78 9.2 7.8 11.8



#18
Methyl Acetate
Concen: 46.691 ug/l
RT: 4.73 min Scan# 477
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Tgt Ion: 43 Resp: 127381
Ion Ratio Lower Upper
43 100
74 23.9 19.7 29.5



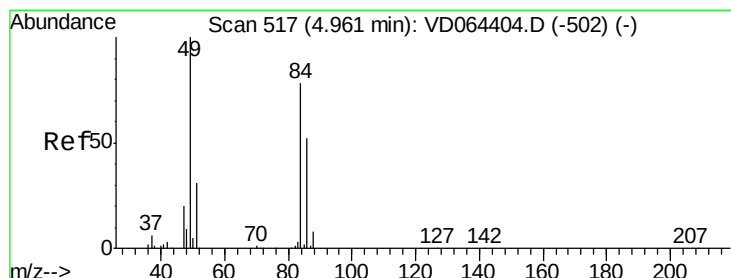
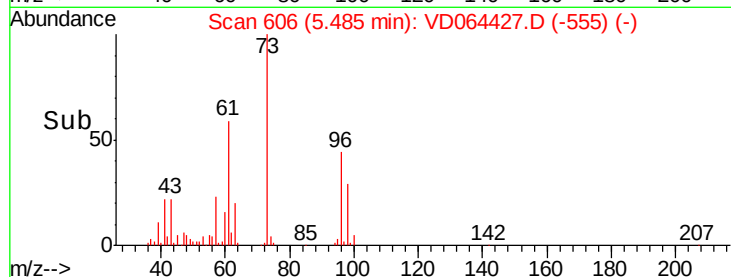
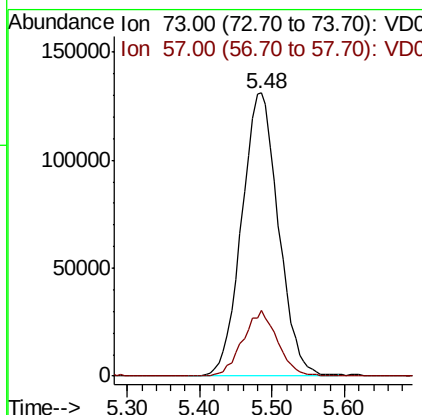
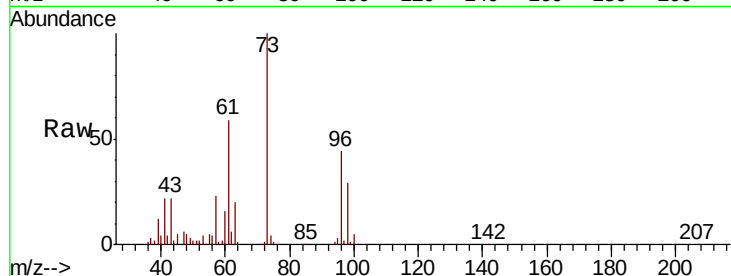


#19

Methyl tert-butyl Ether
 Concen: 43.670 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD064427.D
 Acq: 05 Dec 2019 10:31

Instrument :
 MSVOA_D
 ClientSampleID :

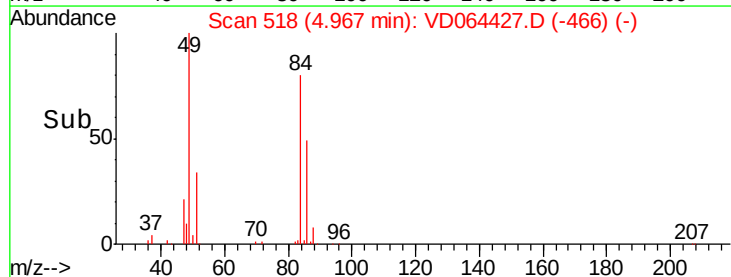
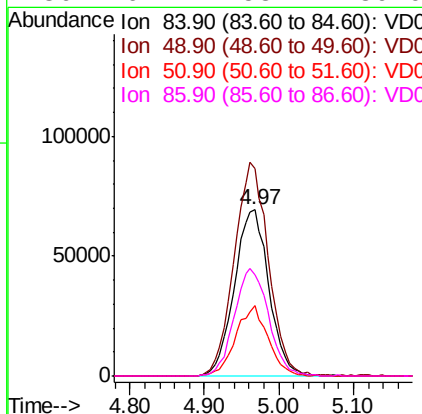
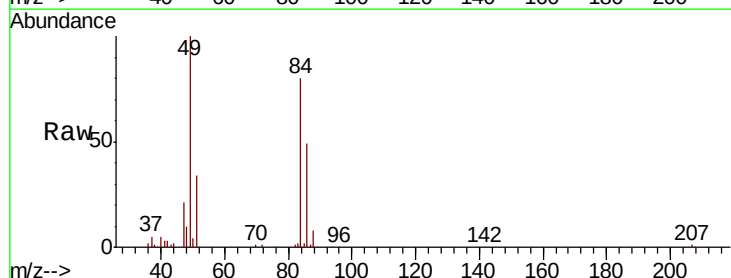
Tot Ion: 73 Resp: 461686
 Ion Ratio Lower Upper
 73 100
 57 23.2 17.6 26.4

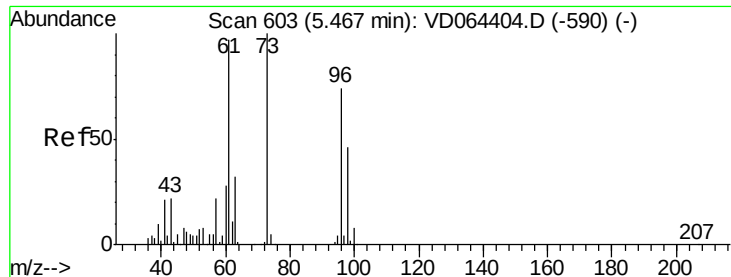


#20

Methylene Chloride
 Concen: 46.494 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD064427.D
 Acq: 05 Dec 2019 10:31

Tgt Ion: 84 Resp: 222433
 Ion Ratio Lower Upper
 84 100
 49 124.9 102.6 153.8
 51 42.3 32.0 48.0
 86 61.1 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 47.205 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

Instrument :

MSVOA_D

ClientSampleId :

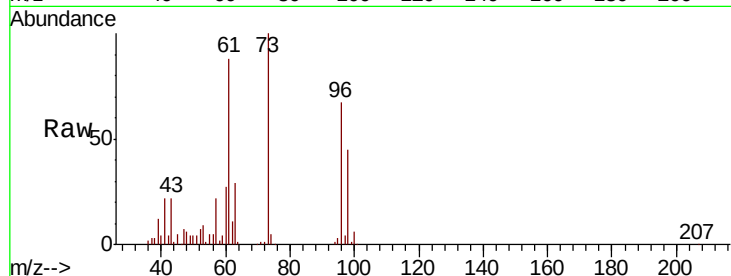
Tot Ion: 96 Resp: 246101

Ion Ratio Lower Upper

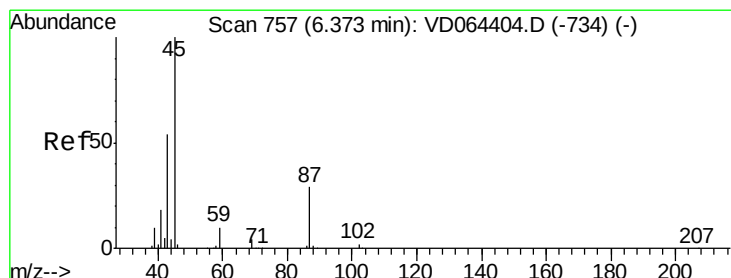
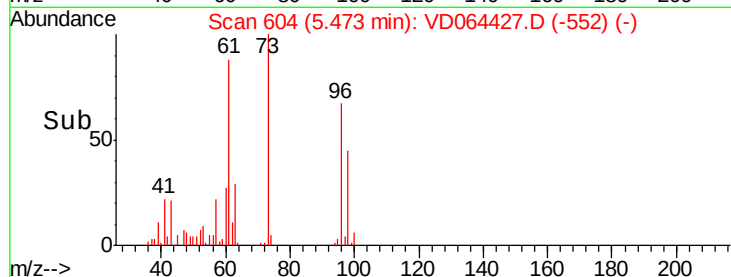
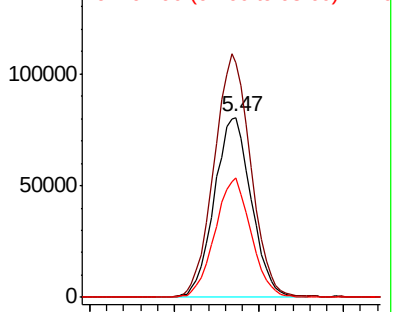
96 100

61 130.8 105.8 158.6

98 66.3 50.1 75.1



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



#22

Diisopropyl ether

Concen: 46.196 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

Tgt Ion: 45 Resp: 655955

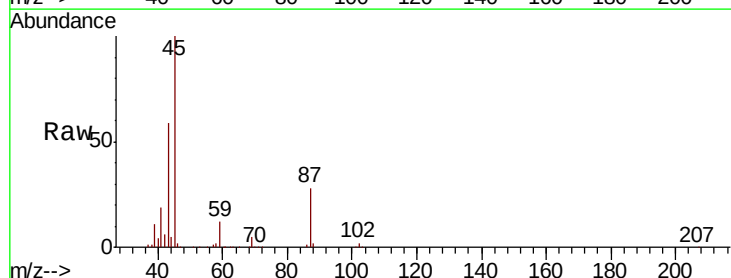
Ion Ratio Lower Upper

45 100

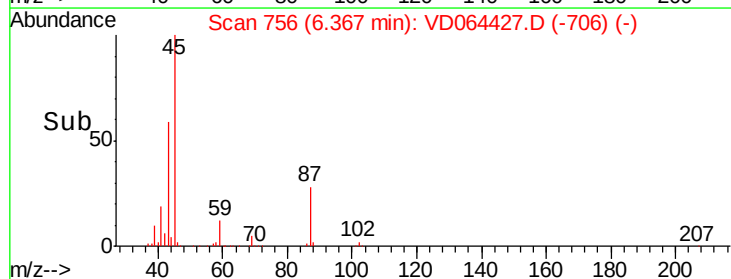
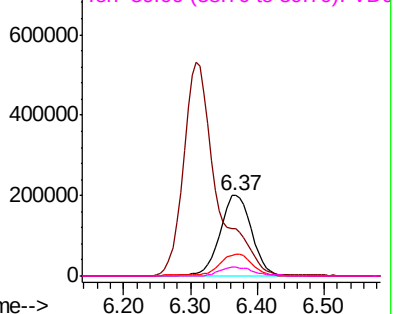
43 57.6 43.1 64.7

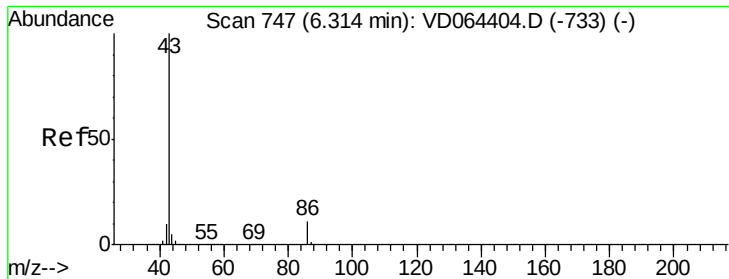
87 27.6 23.5 35.3

59 11.4 8.2 12.2



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: 220.653 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

Instrument :

MSVOA_D

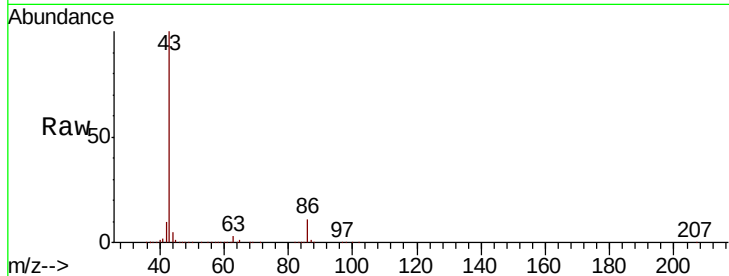
ClientSampleId :

Tot Ion: 43 Resp: 1847107

Ion Ratio Lower Upper

43 100

86 11.1 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

500000

400000

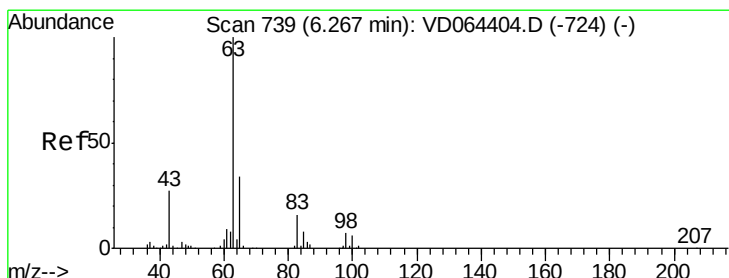
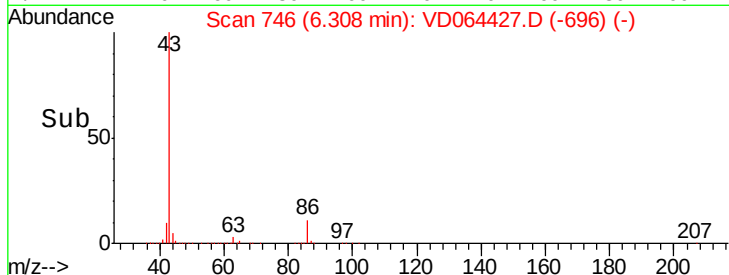
300000

200000

100000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 47.665 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

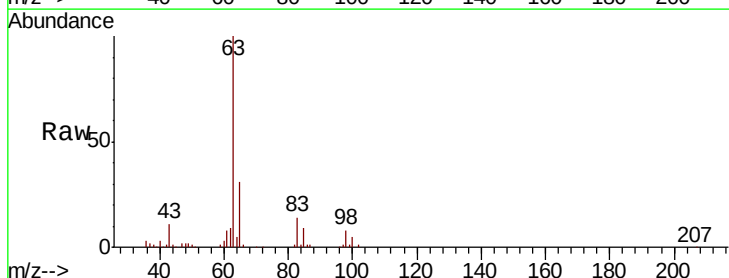
Tgt Ion: 63 Resp: 407029

Ion Ratio Lower Upper

63 100

98 8.4 3.6 10.9

100 5.1 2.9 8.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

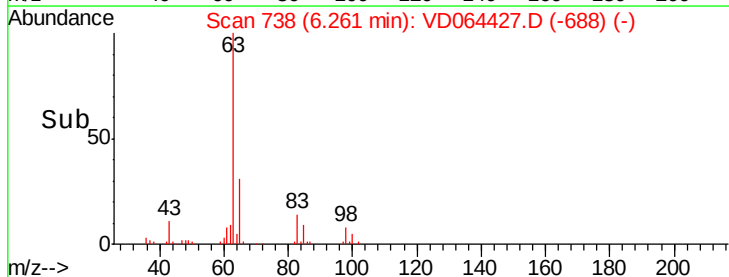
150000

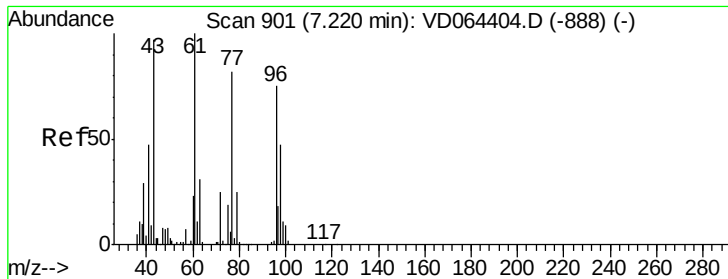
100000

50000

0

Time--> 6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 222.431 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

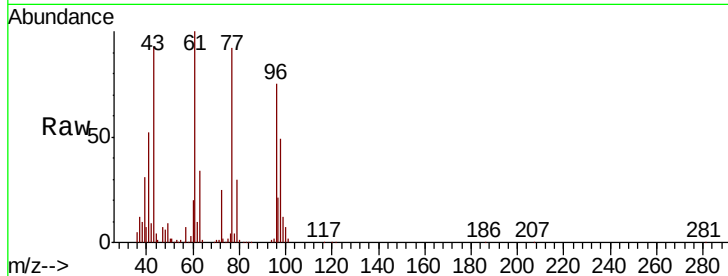
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 294210

Ion Ratio Lower Upper

43 100

72 26.5 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.22

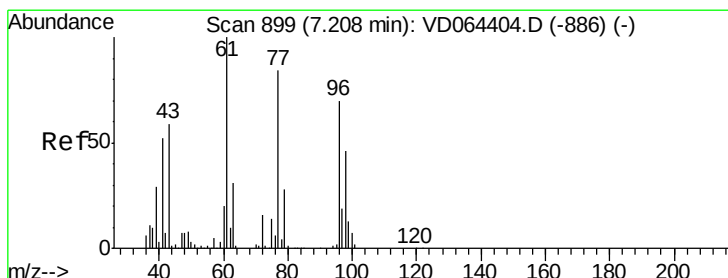
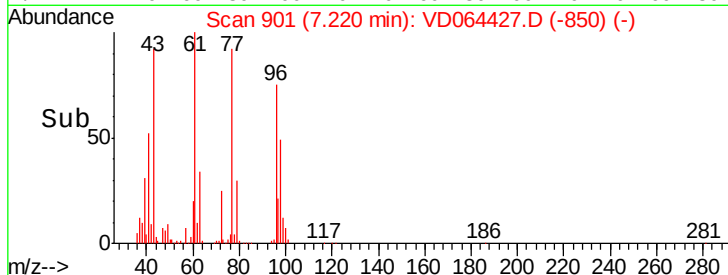
100000

50000

0

7.15 7.20 7.25

Time-->



#26

2,2-Dichloropropane

Concen: 51.001 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD064427.D

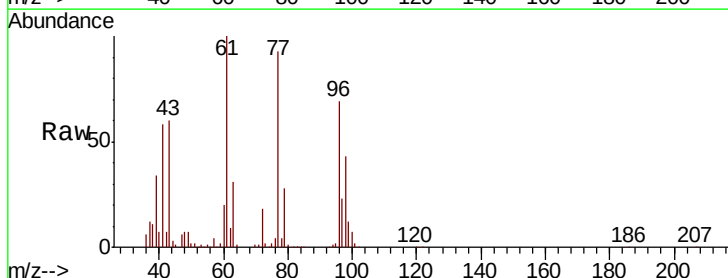
Acq: 05 Dec 2019 10:31

Tgt Ion: 77 Resp: 378747

Ion Ratio Lower Upper

77 100

97 23.2 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

150000

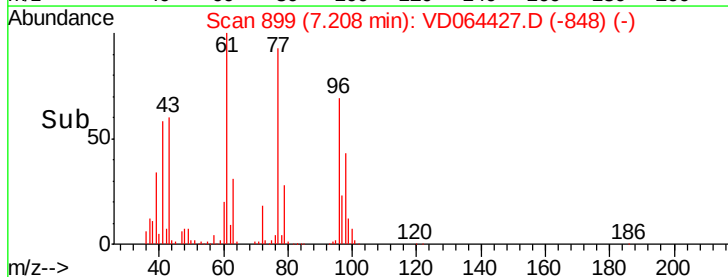
100000

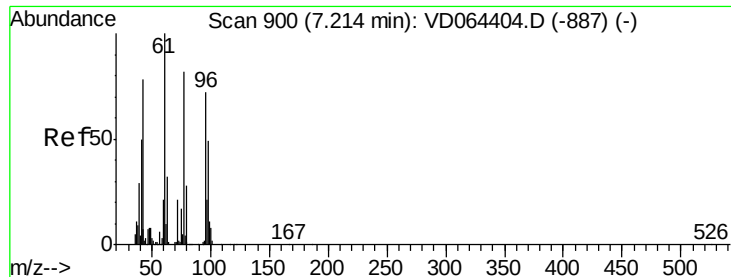
50000

0

7.10 7.20 7.30

Time-->



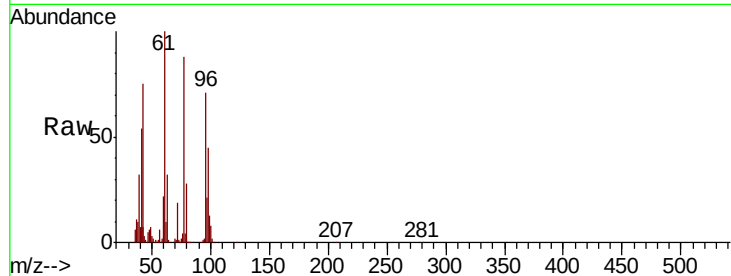


#27

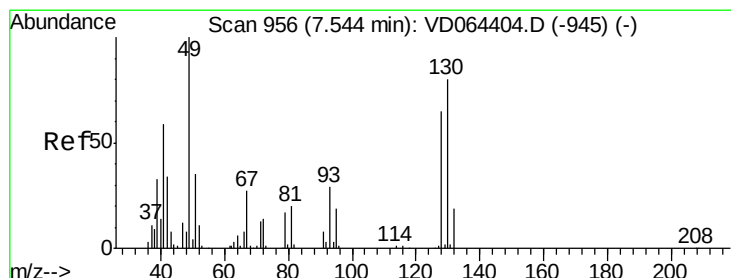
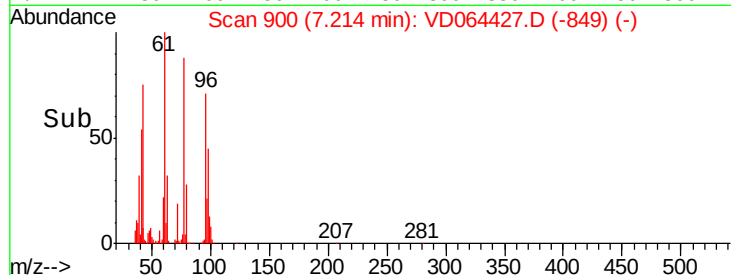
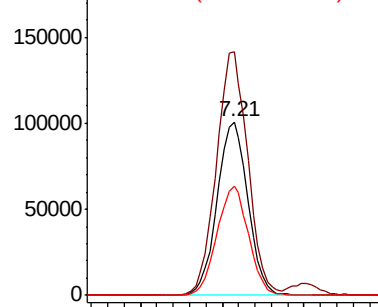
cis-1,2-Dichloroethene
 Concen: 46.649 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD064427.D
 Acq: 05 Dec 2019 10:31

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 96 Resp: 265144
 Ion Ratio Lower Upper
 96 100
 61 142.4 0.0 279.6
 98 64.1 0.0 129.2



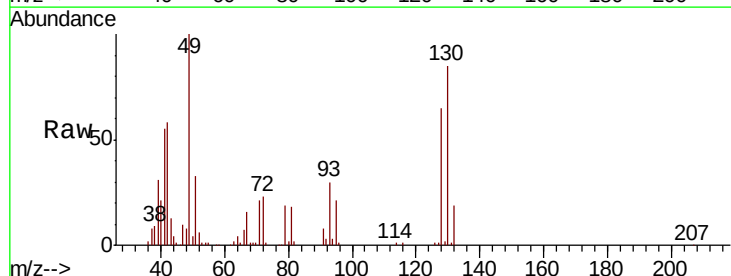
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



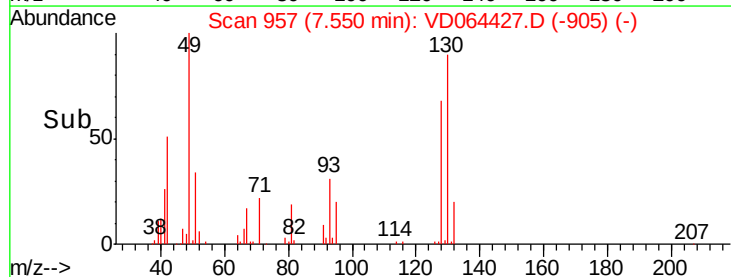
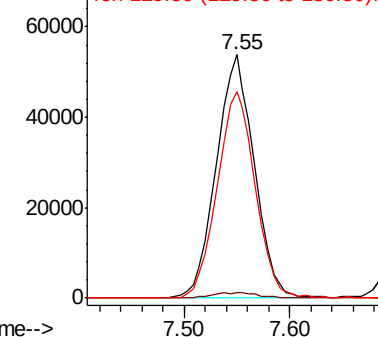
#28

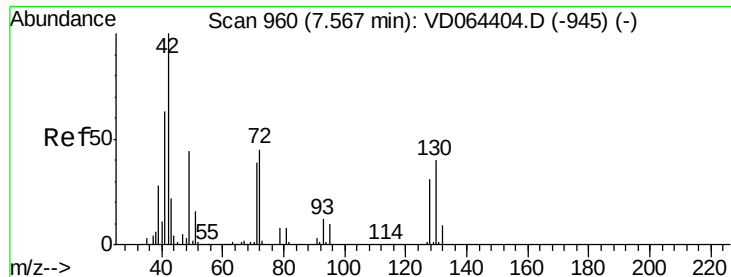
Bromochloromethane
 Concen: 45.808 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.01 min
 Lab File: VD064427.D
 Acq: 05 Dec 2019 10:31

Tgt Ion: 49 Resp: 133682
 Ion Ratio Lower Upper
 49 100
 129 2.6 0.0 4.4
 130 85.2 67.4 101.0



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: 204.099 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.00 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

Instrument :
MSVOA_D
ClientSampleId :

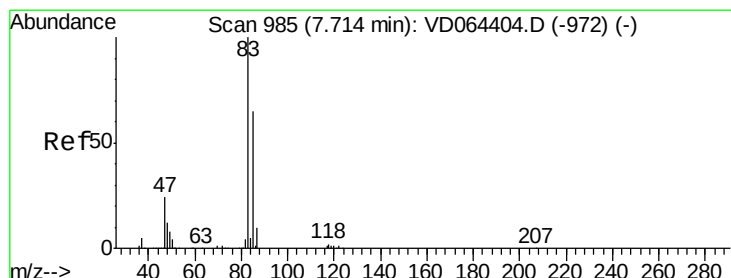
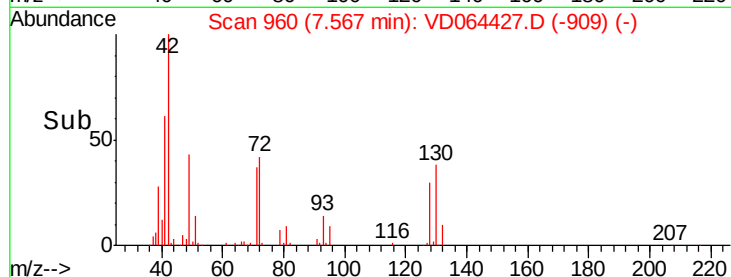
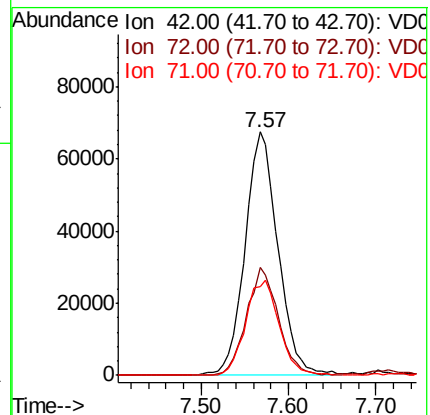
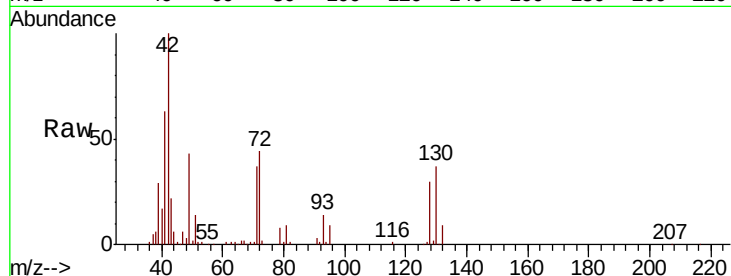
Tot Ion: 42 Resp: 171756

Ion Ratio Lower Upper

42 100

72 42.7 35.8 53.8

71 40.1 32.7 49.1



#30

Chloroform

Concen: 46.874 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD064427.D

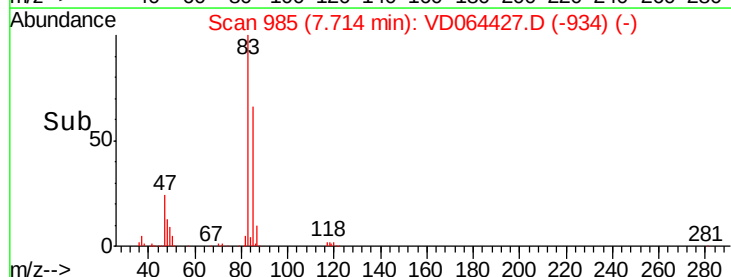
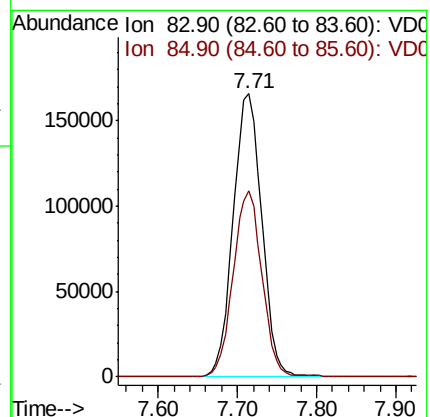
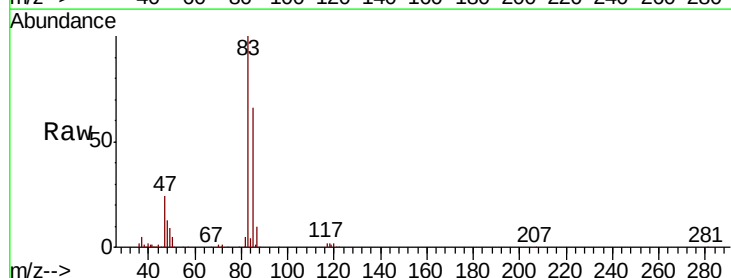
Acq: 05 Dec 2019 10:31

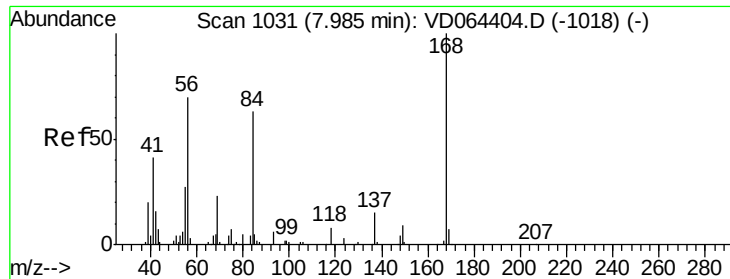
Tgt Ion: 83 Resp: 414548

Ion Ratio Lower Upper

83 100

85 65.5 51.8 77.6

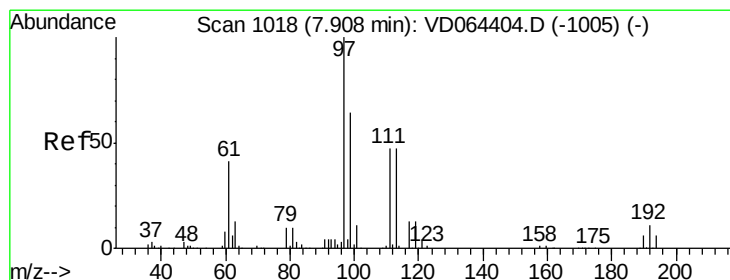
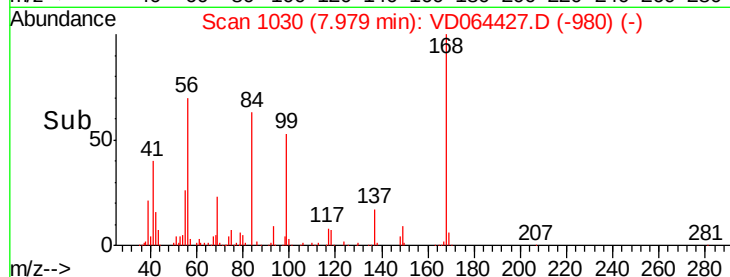
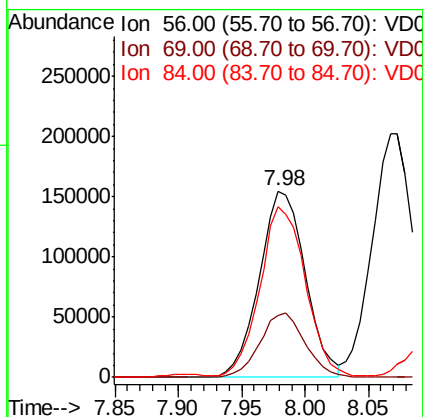
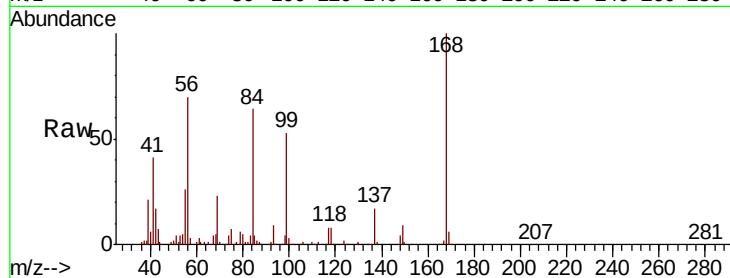




#31
Cyclohexane
Concen: 52.772 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

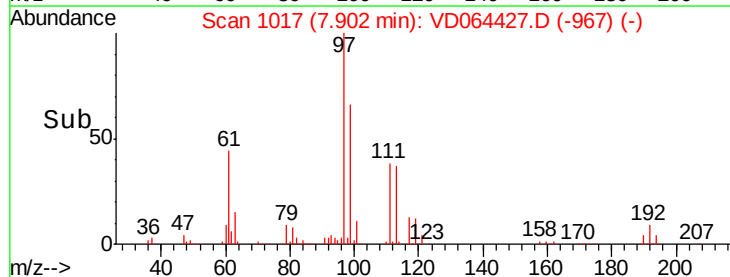
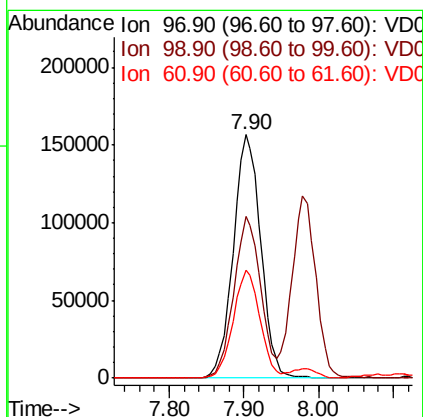
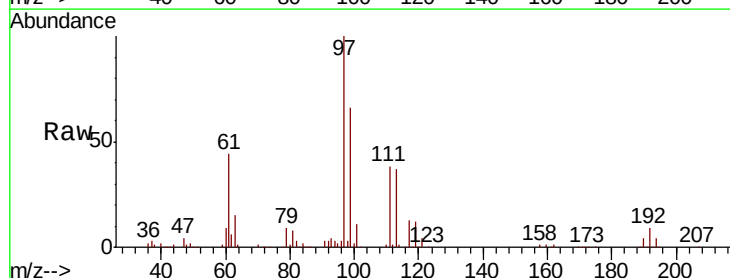
Instrument :
MSVOA_D
ClientSampleId :

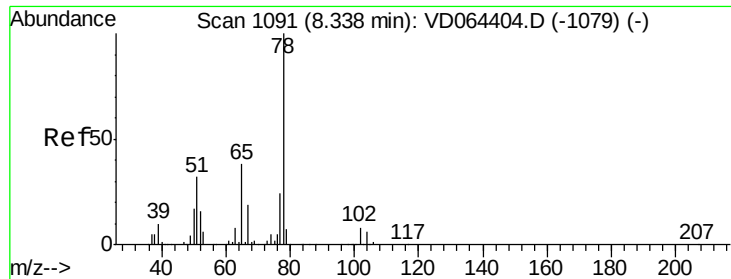
Tot Ion: 56 Resp: 391543
Ion Ratio Lower Upper
56 100
69 33.3 26.2 39.4
84 89.8 70.3 105.5



#32
1,1,1-Trichloroethane
Concen: 48.678 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Tgt Ion: 97 Resp: 399124
Ion Ratio Lower Upper
97 100
99 65.2 51.4 77.2
61 43.3 35.0 52.4

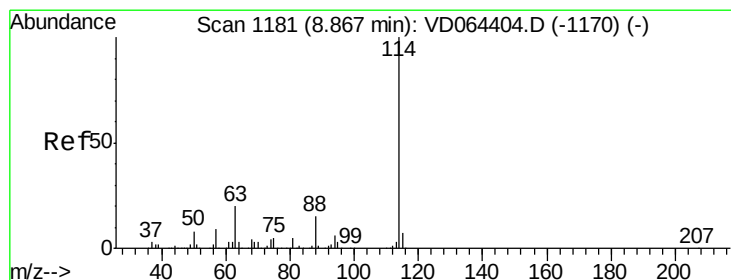
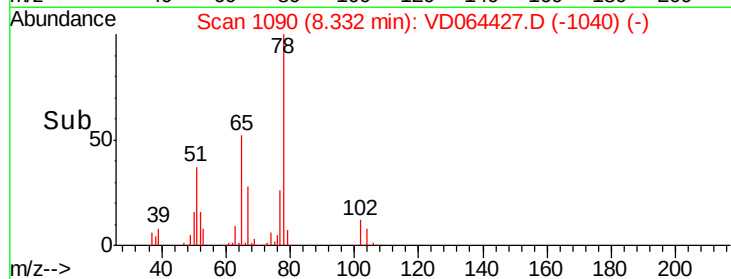
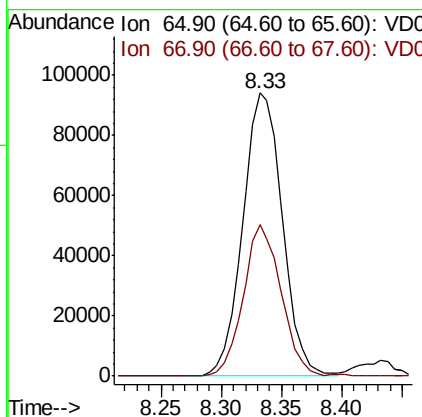
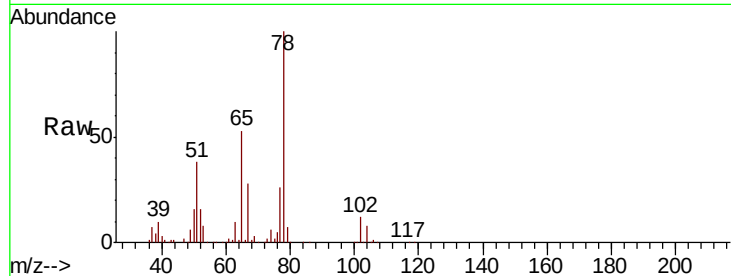




#33
 1,2-Dichloroethane-d4
 Concen: 46.549 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064427.D
 Acq: 05 Dec 2019 10:31

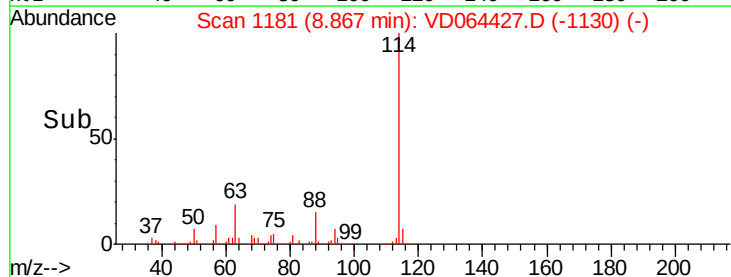
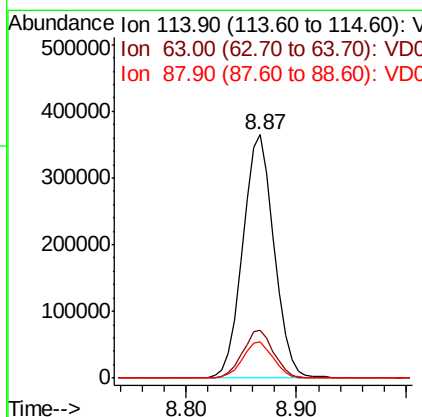
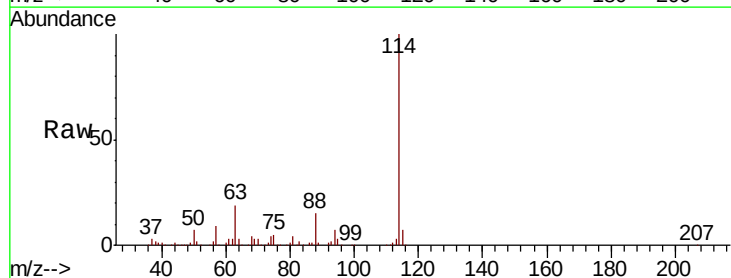
Instrument :
 MSVOA_D
 ClientSampled :

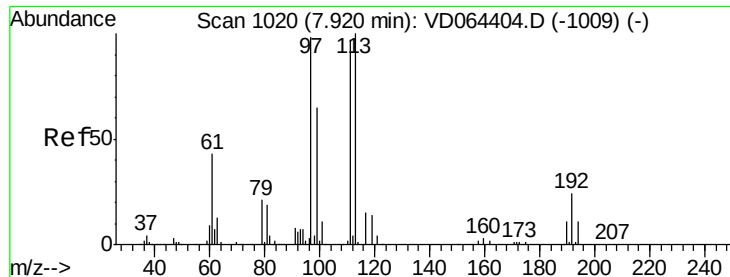
Tot Ion: 65 Resp: 215443
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064427.D
 Acq: 05 Dec 2019 10:31

Tgt Ion: 114 Resp: 726767
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.0
 88 14.9 0.0 29.2

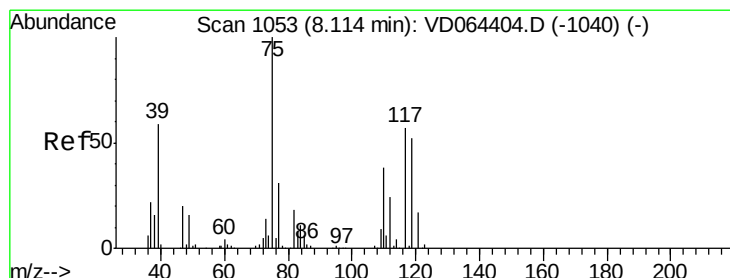
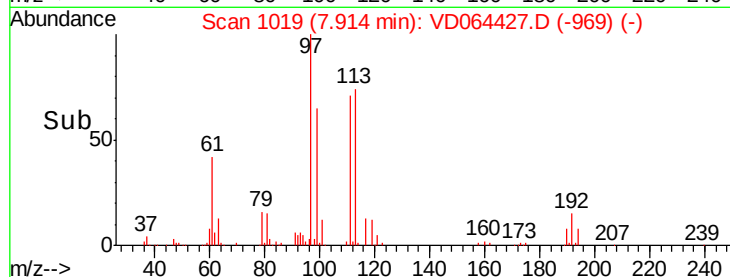
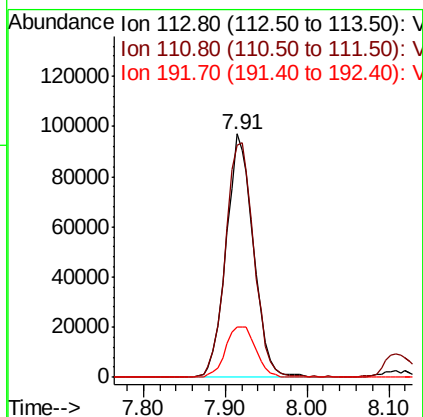
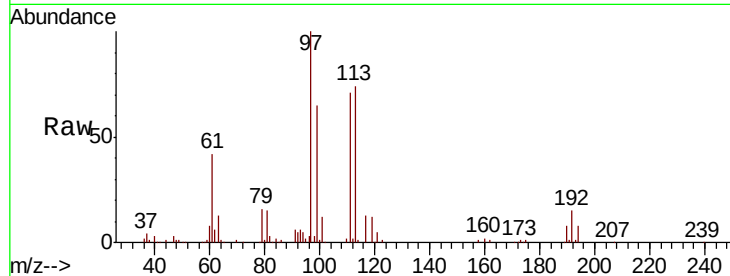




#35
Dibromofluoromethane
Concen: 49.108 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

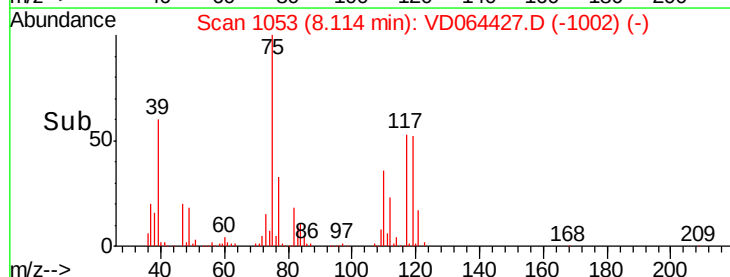
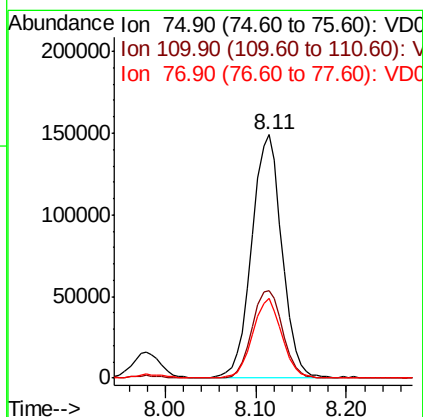
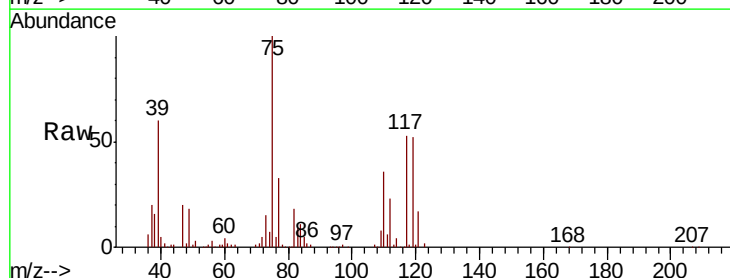
Instrument :
MSVOA_D
ClientSampled :

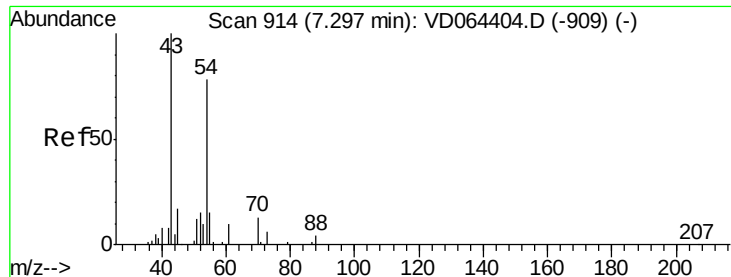
Tot Ion:113 Resp: 224865
Ion Ratio Lower Upper
113 100
111 100.9 79.4 119.2
192 23.0 18.6 28.0



#36
1,1-Dichloropropene
Concen: 50.347 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Tgt Ion: 75 Resp: 346100
Ion Ratio Lower Upper
75 100
110 36.3 18.6 55.8
77 31.6 25.0 37.4

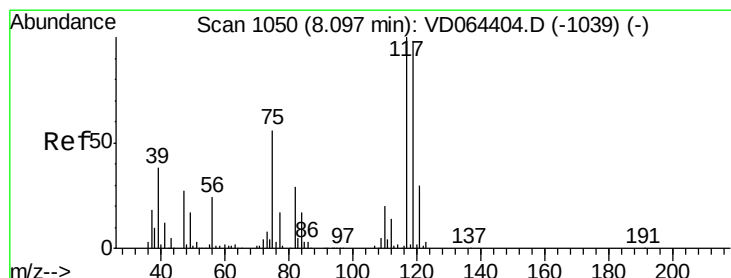
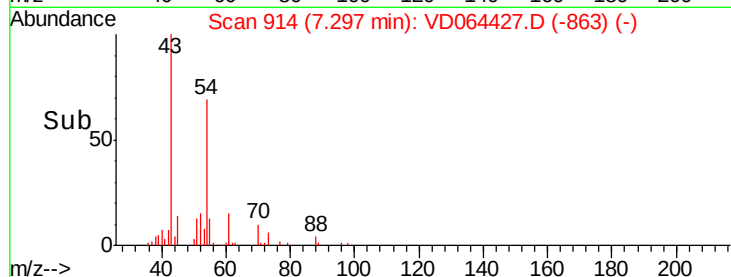
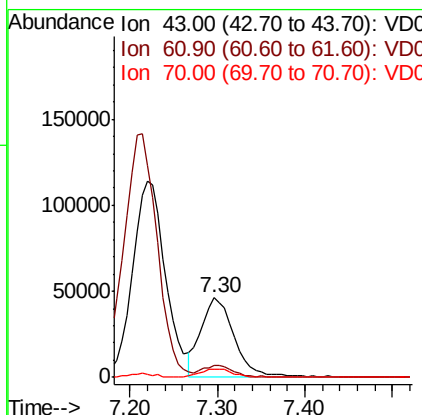
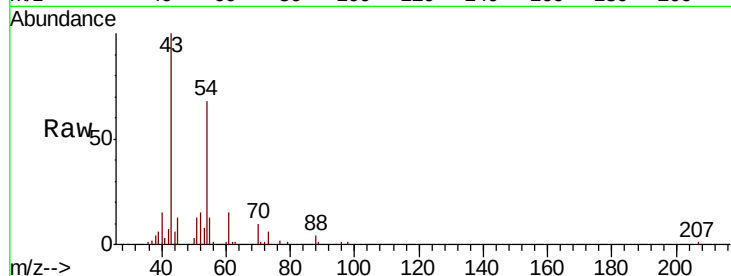




#37
Ethyl Acetate
Concen: 41.680 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

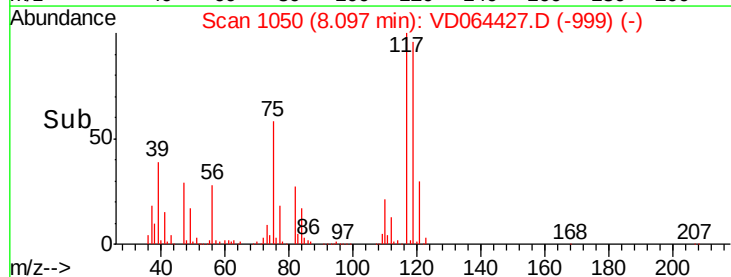
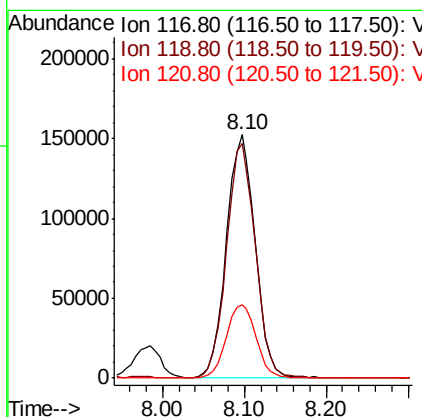
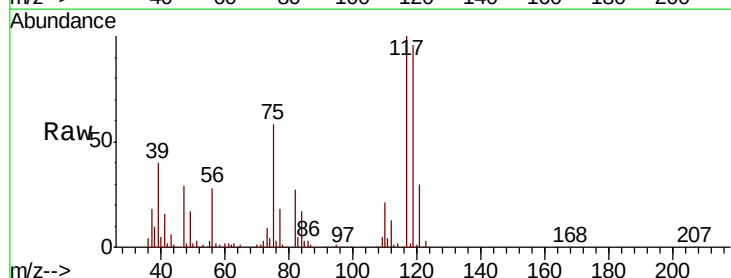
Instrument :
MSVOA_D
ClientSampleId :

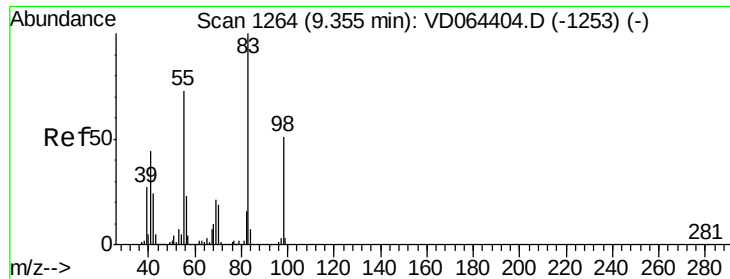
Tot Ion: 43 Resp: 121574
Ion Ratio Lower Upper
43 100
61 13.2 10.9 16.3
70 10.2 8.3 12.5



#38
Carbon Tetrachloride
Concen: 51.299 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Tgt Ion: 117 Resp: 372186
Ion Ratio Lower Upper
117 100
119 96.6 78.8 118.2
121 30.2 24.2 36.2

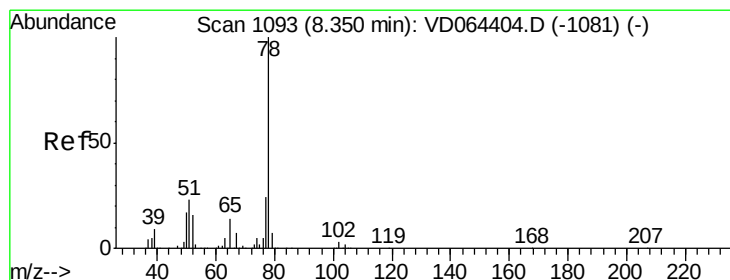
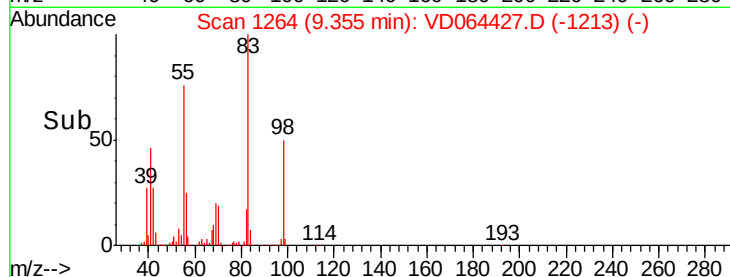
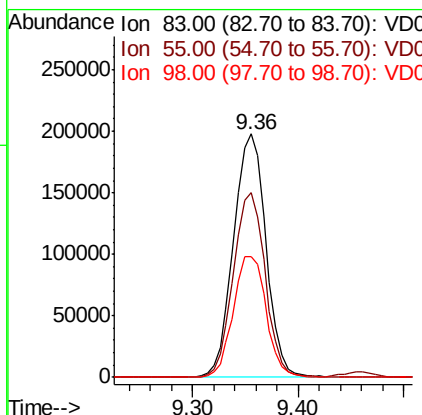
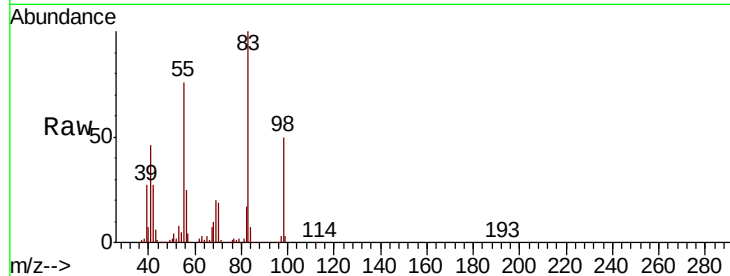




#39
Methylvlcyclohexane
Concen: 49.312 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

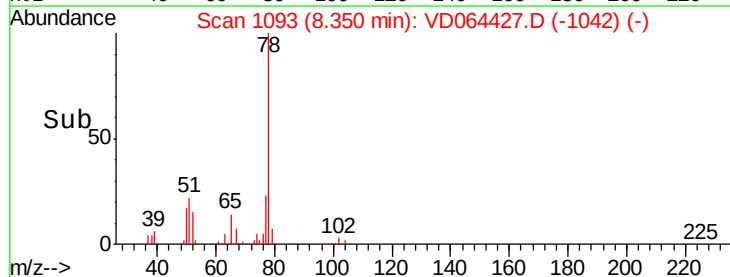
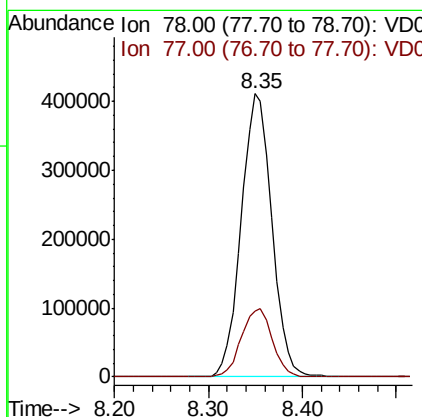
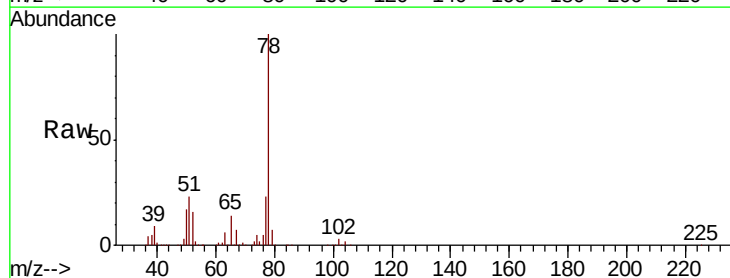
Instrument :
MSVOA_D
ClientSampled :

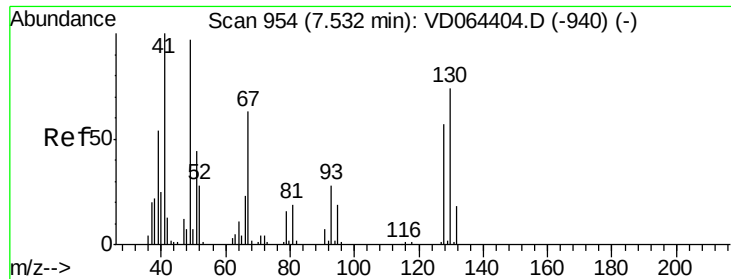
Tot Ion: 83 Resp: 420490
Ion Ratio Lower Upper
83 100
55 76.0 58.6 87.8
98 49.7 40.9 61.3



#40
Benzene
Concen: 48.605 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Tgt Ion: 78 Resp: 927992
Ion Ratio Lower Upper
78 100
77 23.3 19.6 29.4

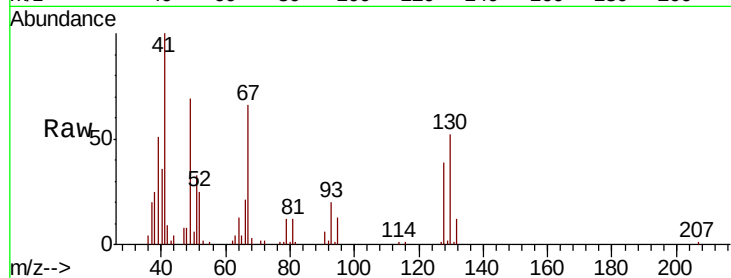




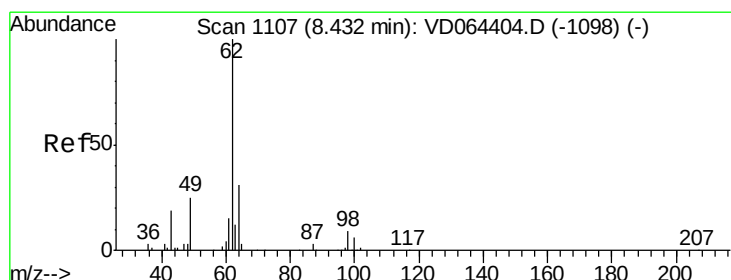
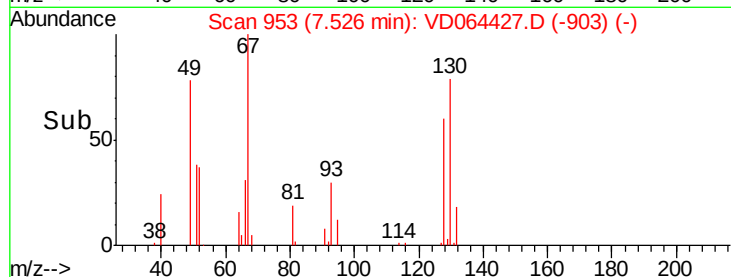
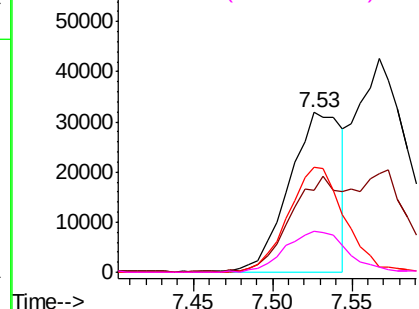
#41
Methacrylonitrile
Concen: 43.932 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 73488
Ion Ratio Lower Upper
41 100
39 57.7 44.6 67.0
67 70.6 50.9 76.3
52 30.5 22.5 33.7

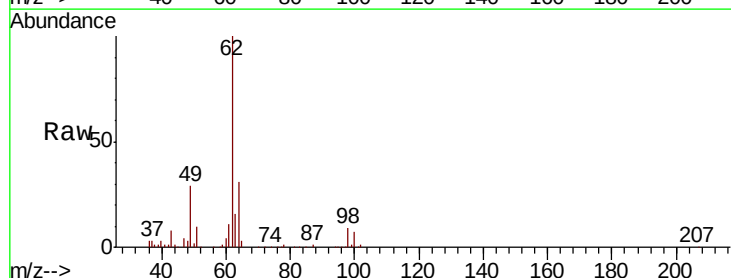


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

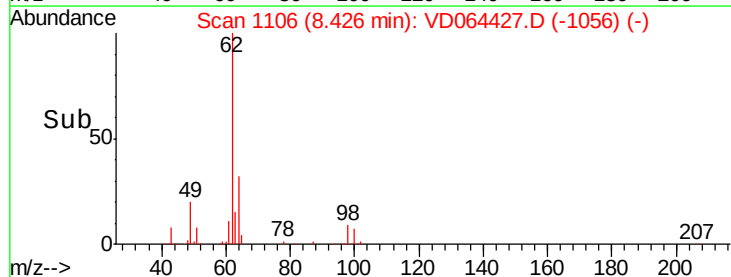
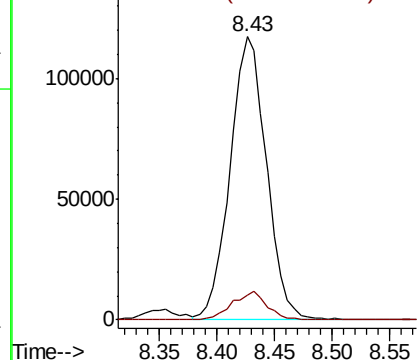


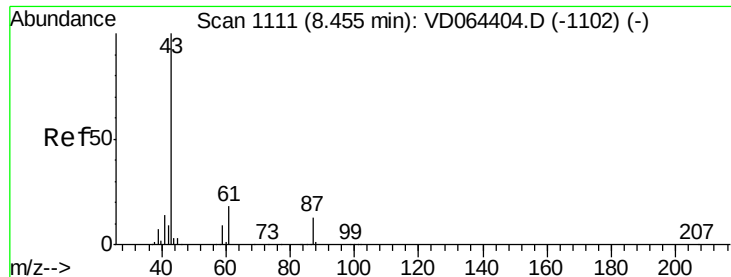
#42
1,2-Dichloroethane
Concen: 46.054 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Tgt Ion: 62 Resp: 256424
Ion Ratio Lower Upper
62 100
98 9.6 0.0 20.6



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





#43

Isopropyl Acetate

Concen: 43.524 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

Instrument :

MSVOA_D

ClientSampleId :

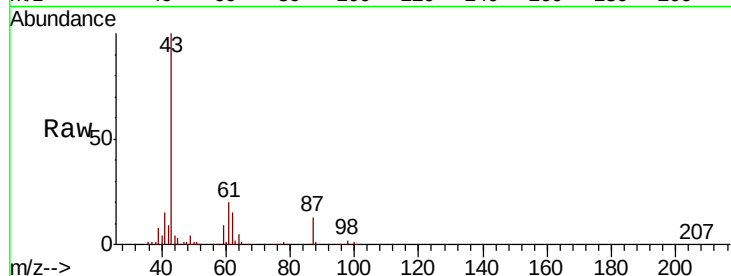
Tot Ion: 43 Resp: 249617

Ion Ratio Lower Upper

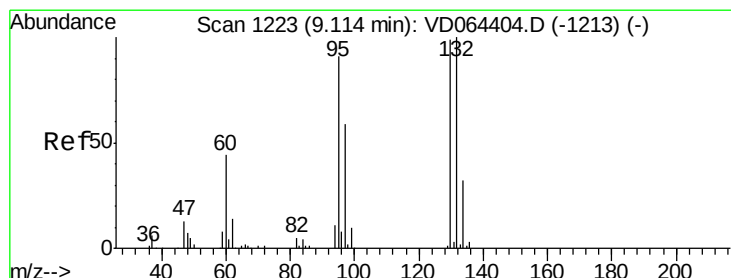
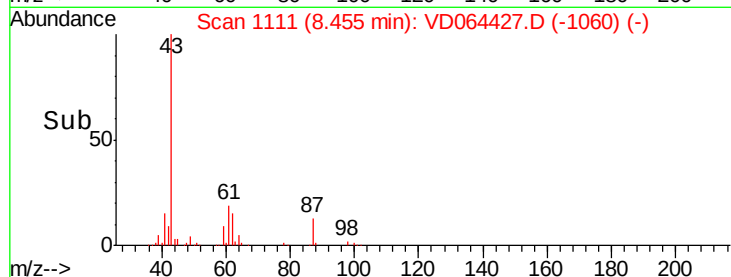
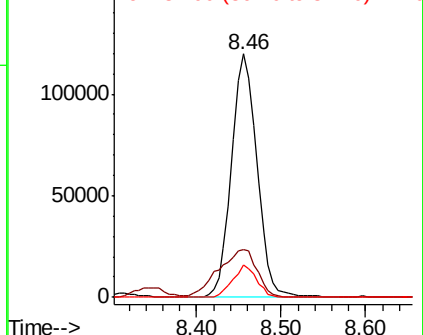
43 100

61 29.1 24.0 36.0

87 12.5 10.6 15.8



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: 48.129 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064427.D

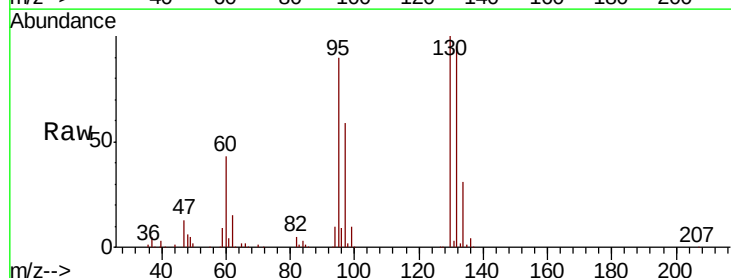
Acq: 05 Dec 2019 10:31

Tgt Ion:130 Resp: 276797

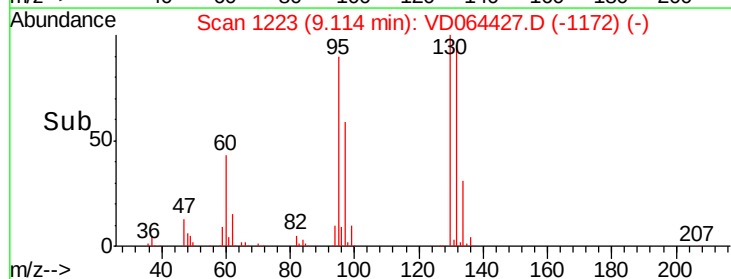
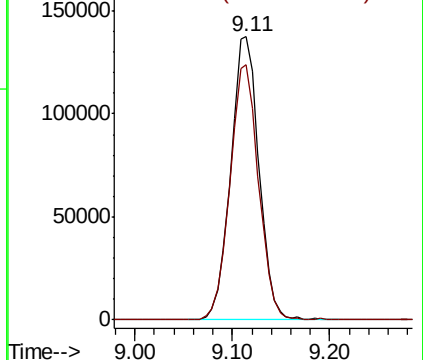
Ion Ratio Lower Upper

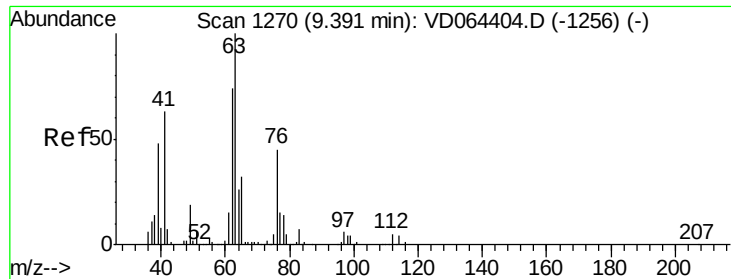
130 100

95 90.4 0.0 184.6



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

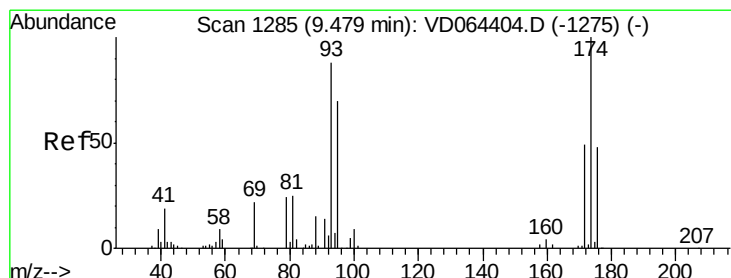
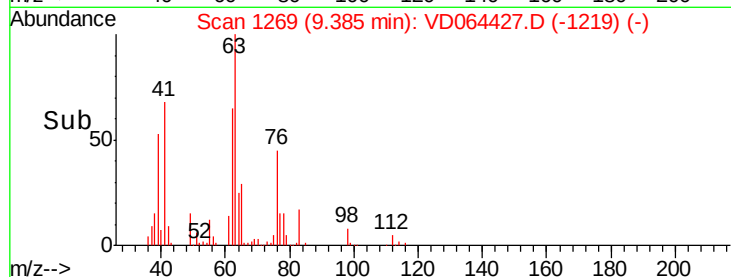
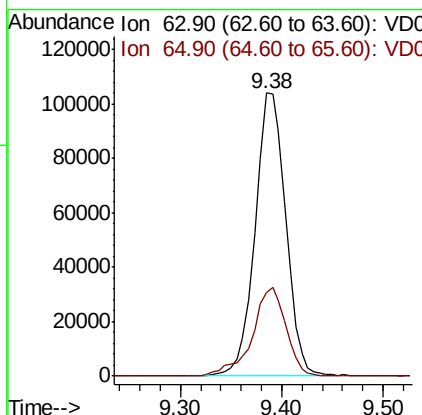
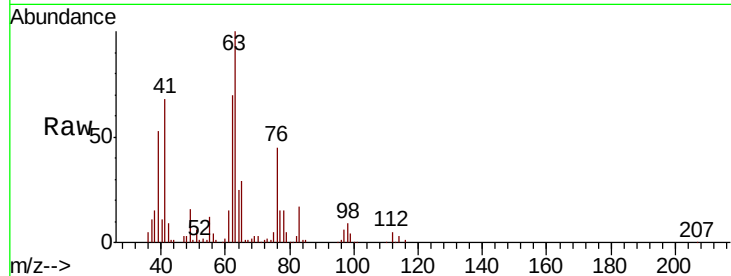




#45
 1,2-Dichloropropane
 Concen: 48.048 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD064427.D
 Acq: 05 Dec 2019 10:31

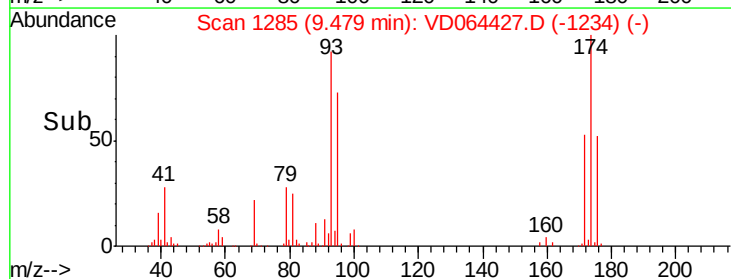
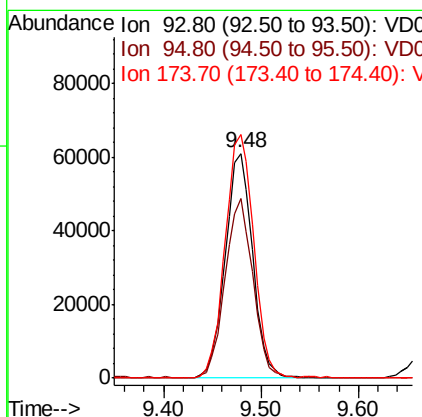
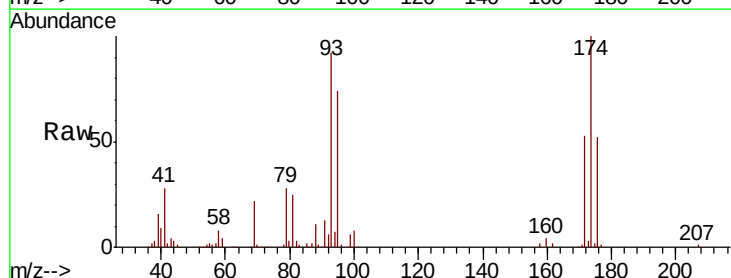
Instrument :
 MSVOA_D
 ClientSampleId :

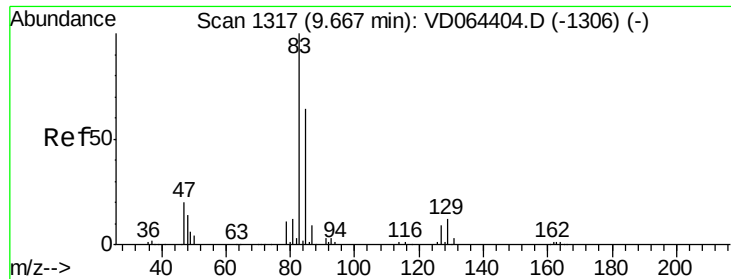
Tot Ion: 63 Resp: 219392
 Ion Ratio Lower Upper
 63 100
 65 29.5 25.4 38.0



#46
 Dibromomethane
 Concen: 46.170 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064427.D
 Acq: 05 Dec 2019 10:31

Tgt Ion: 93 Resp: 118986
 Ion Ratio Lower Upper
 93 100
 95 81.3 66.7 100.1
 174 113.2 92.3 138.5





#47

Bromodichloromethane

Concen: 48.681 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

Instrument :
MSVOA_D
ClientSampleId :

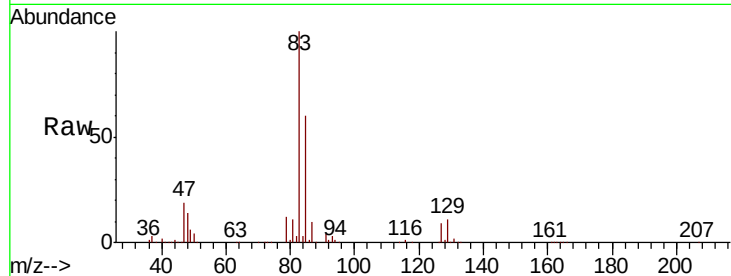
Tot Ion: 83 Resp: 322357

Ion Ratio Lower Upper

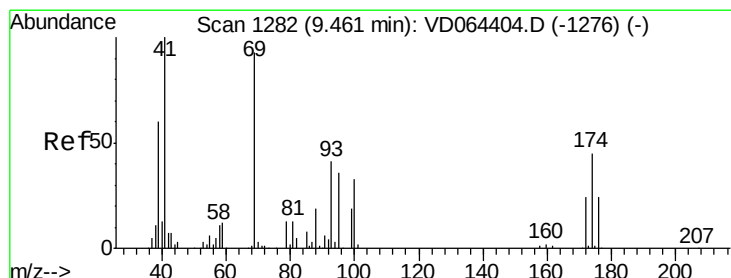
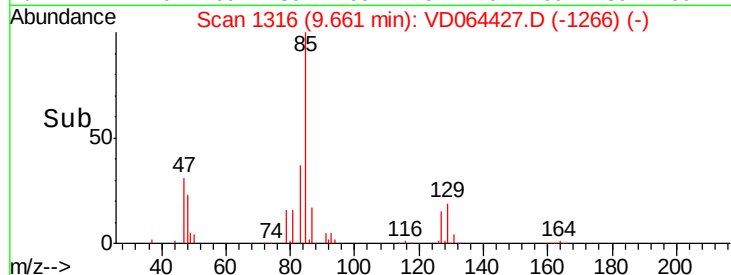
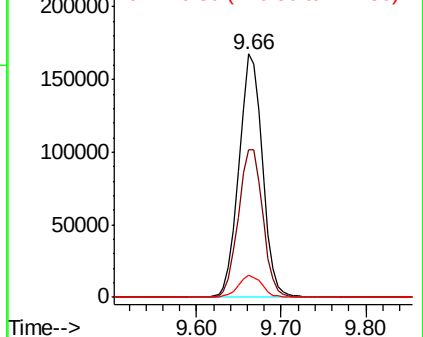
83 100

85 60.5 51.1 76.7

127 8.9 7.4 11.0



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



#48

Methyl methacrylate

Concen: 47.907 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

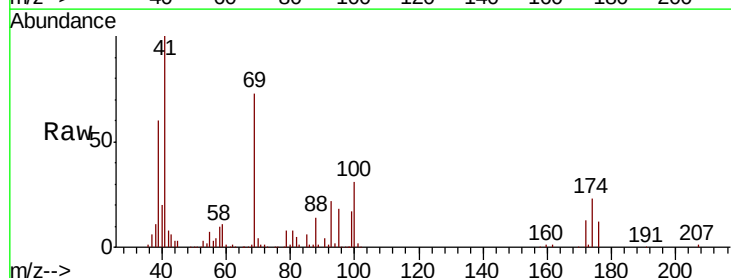
Tgt Ion: 41 Resp: 125724

Ion Ratio Lower Upper

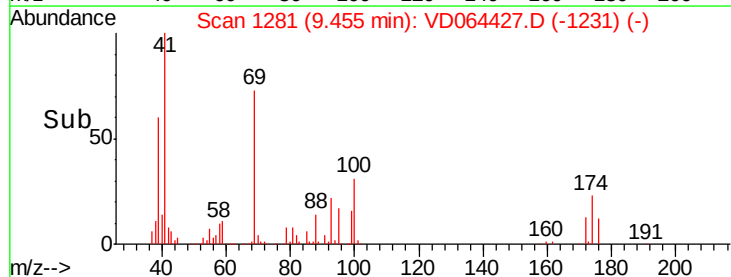
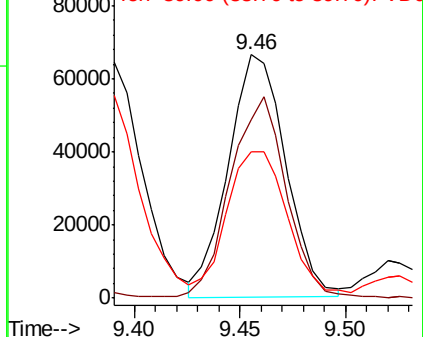
41 100

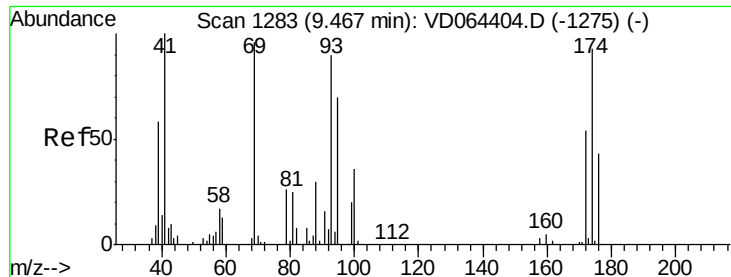
69 80.5 72.0 108.0

39 59.1 55.2 82.8



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

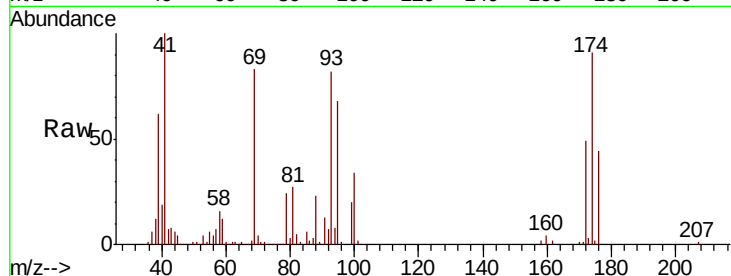




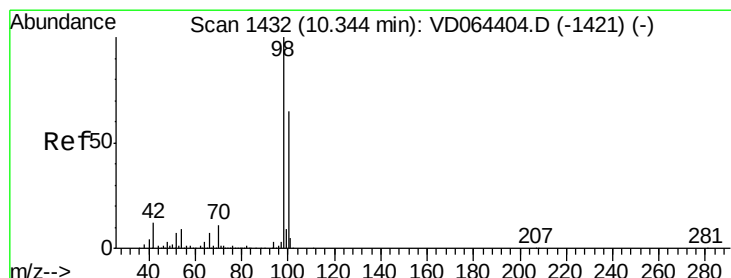
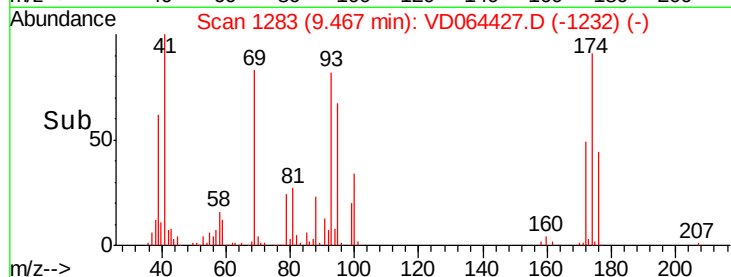
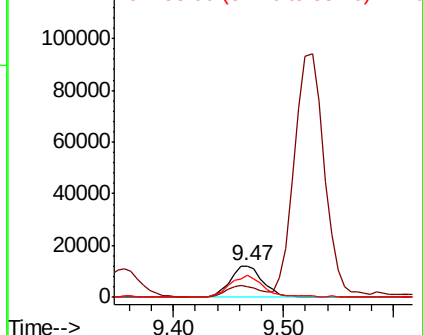
#49
1,4-Dioxane
Concen: 817.661 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 26021
Ion Ratio Lower Upper
88 100
43 34.0 26.7 40.1
58 71.6 52.3 78.5

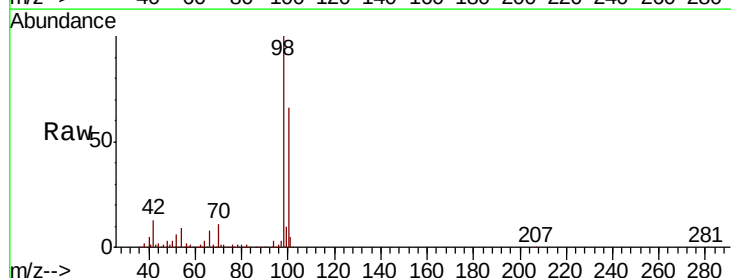


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

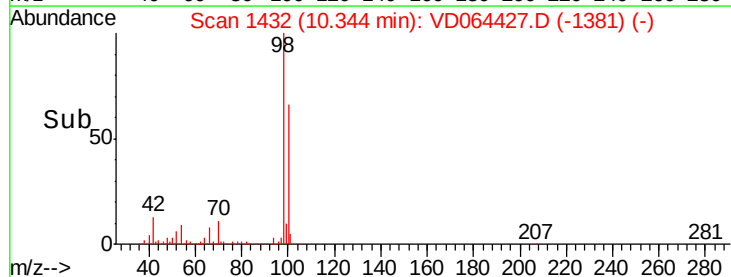
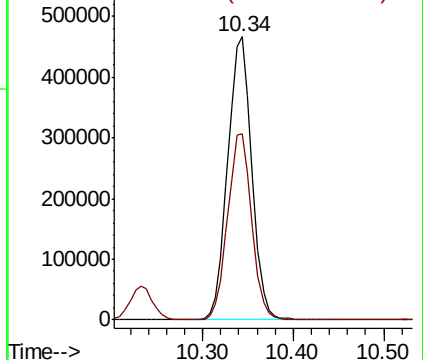


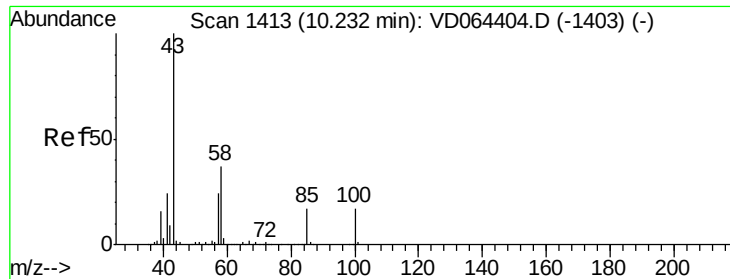
#50
Toluene-d8
Concen: 50.094 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Tgt Ion: 98 Resp: 864044
Ion Ratio Lower Upper
98 100
100 65.3 52.6 79.0



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

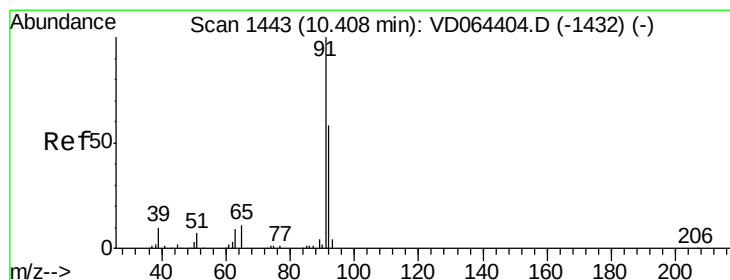
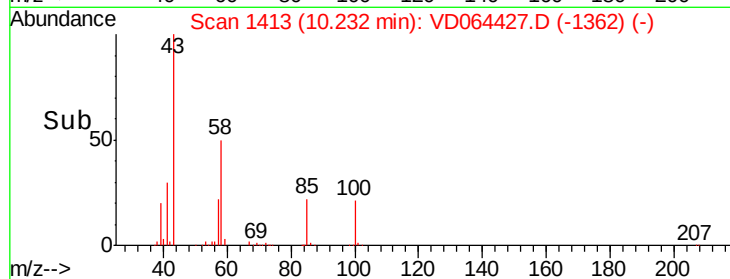
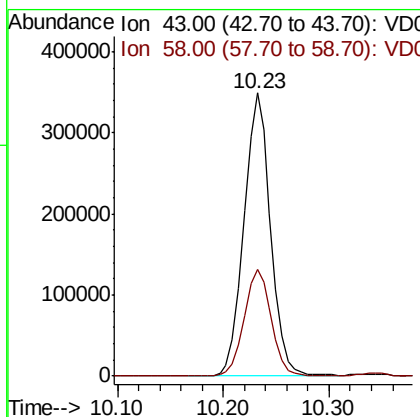
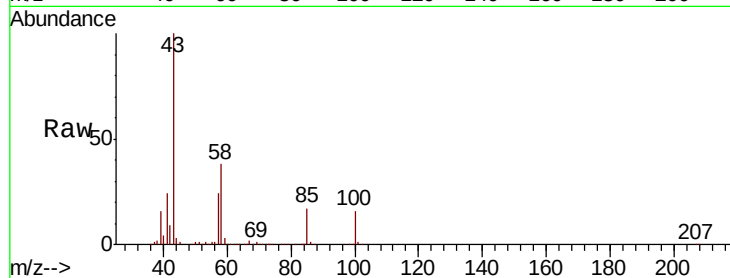




#51
 4-Methyl-2-Pentanone
 Concen: 214.076 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VD064427.D
 Acq: 05 Dec 2019 10:31

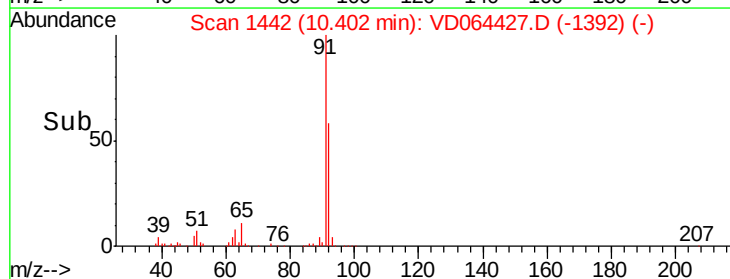
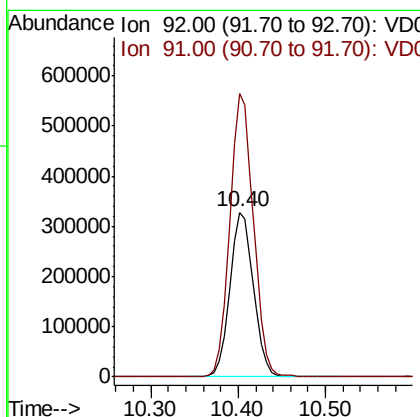
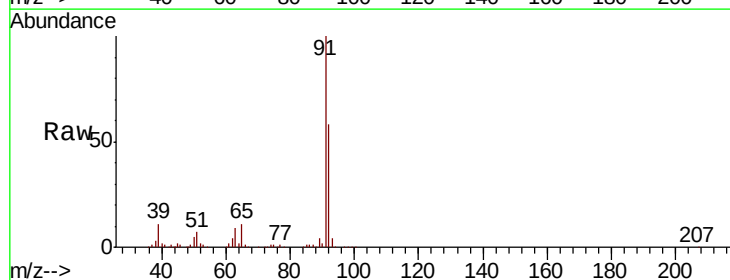
Instrument :
 MSVOA_D
 ClientSampleId :

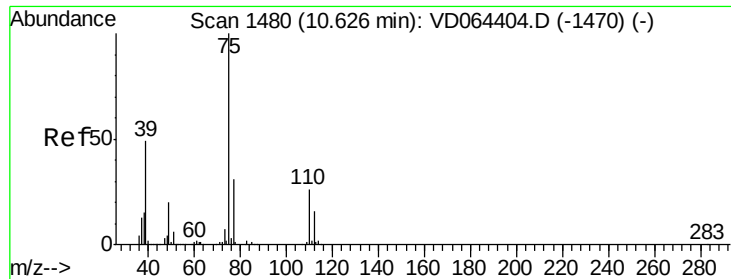
Tot Ion: 43 Resp: 607480
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.6 46.0



#52
 Toluene
 Concen: 48.038 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: VD064427.D
 Acq: 05 Dec 2019 10:31

Tgt Ion: 92 Resp: 597725
 Ion Ratio Lower Upper
 92 100
 91 172.5 137.8 206.6





#53

t-1,3-Dichloropropene

Concen: 46.917 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

Instrument :

MSVOA_D

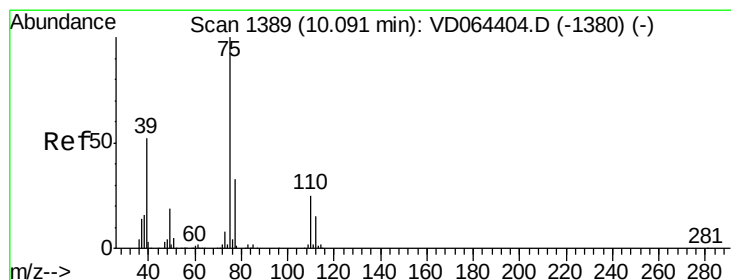
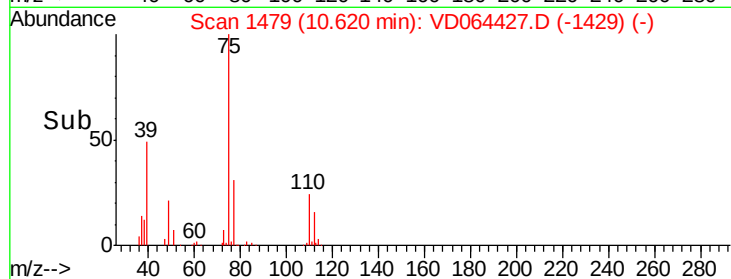
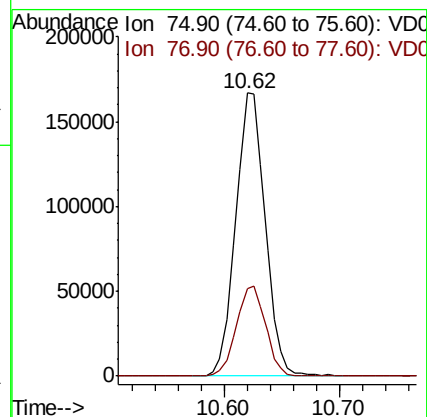
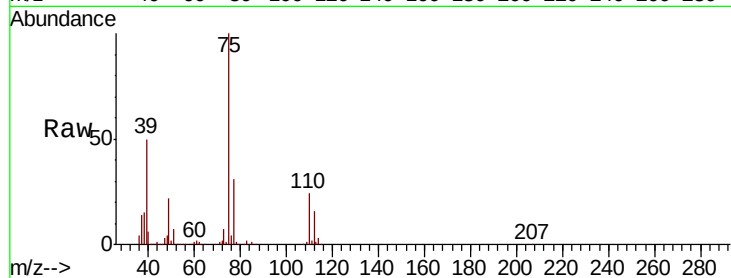
ClientSampleId :

Tot Ion: 75 Resp: 296088

Ion Ratio Lower Upper

75 100

77 31.0 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 47.643 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

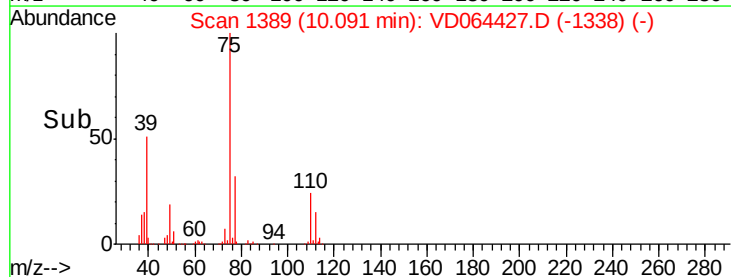
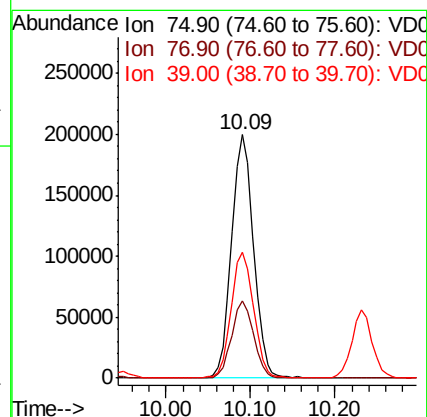
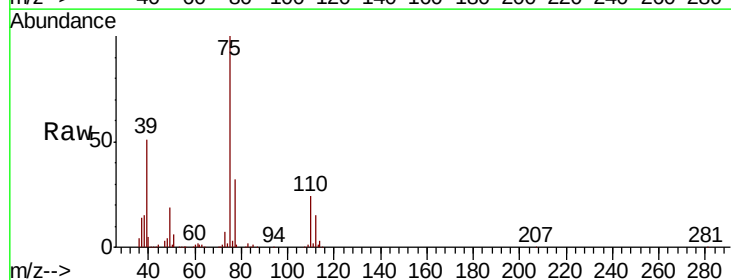
Tgt Ion: 75 Resp: 357182

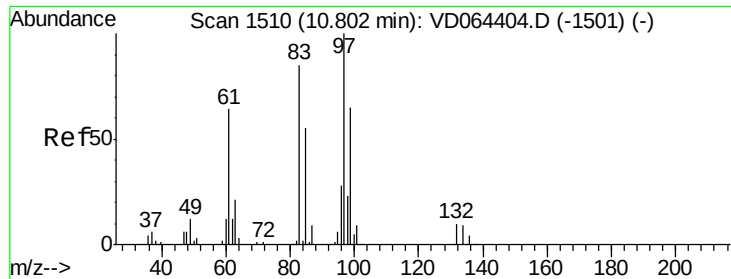
Ion Ratio Lower Upper

75 100

77 31.6 26.1 39.1

39 51.3 41.5 62.3





#55

1,1,2-Trichloroethane

Concen: 45.187 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

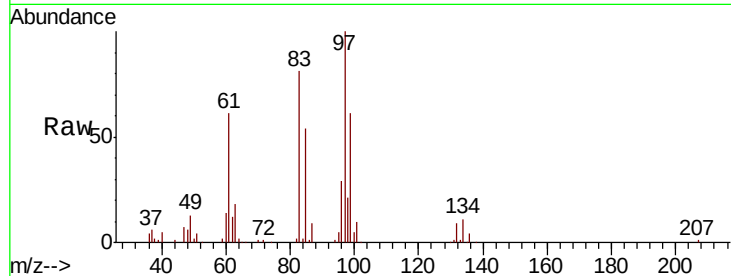
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 159455

Ion	Ratio	Lower	Upper
97	100		
83	80.8	67.8	101.8
85	53.6	43.7	65.5
99	61.4	51.7	77.5

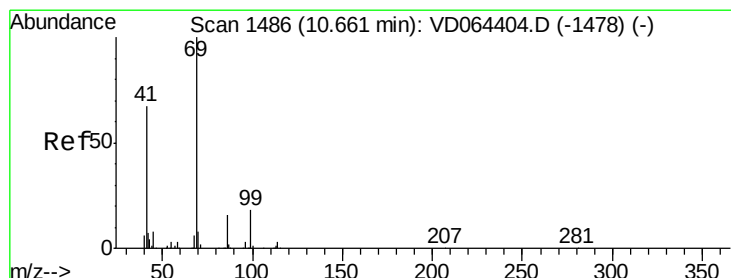
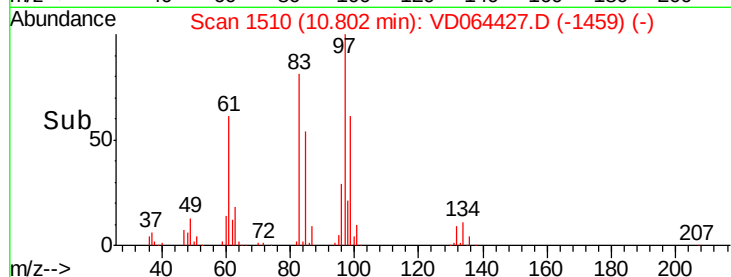


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 43.585 ug/l

RT: 10.66 min Scan# 1486

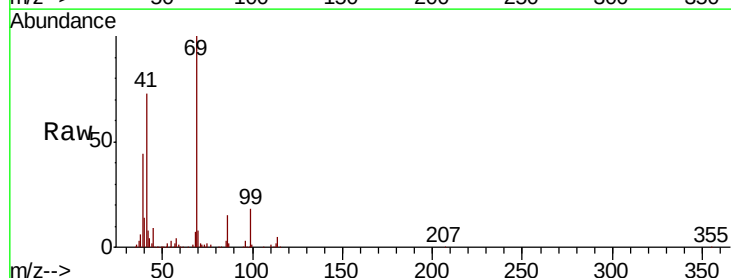
Delta R.T. -0.00 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

Tgt Ion: 69 Resp: 196167

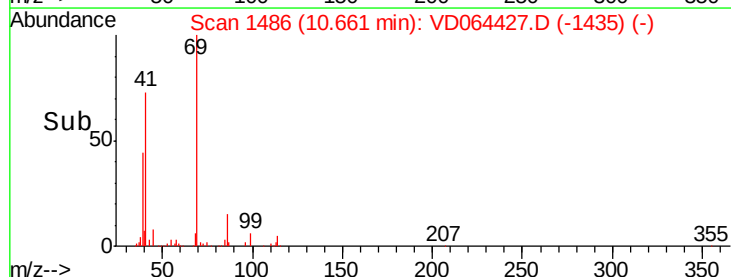
Ion	Ratio	Lower	Upper
69	100		
41	69.2	55.0	82.4
39	41.9	33.0	49.6

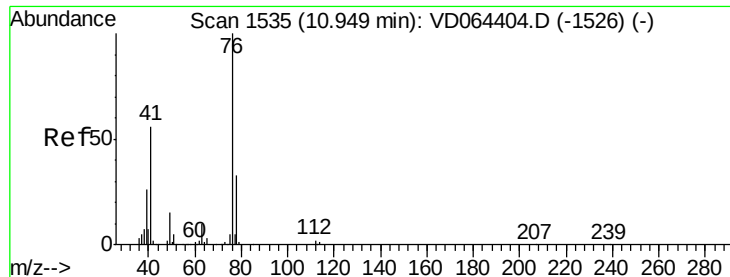


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

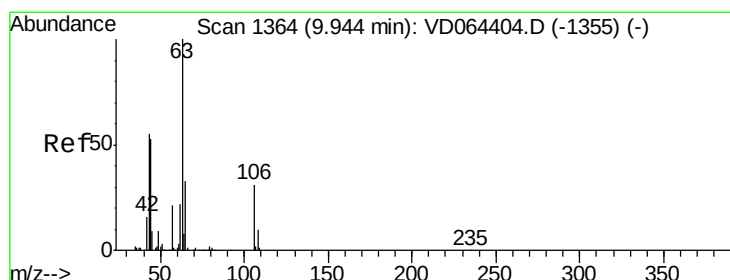
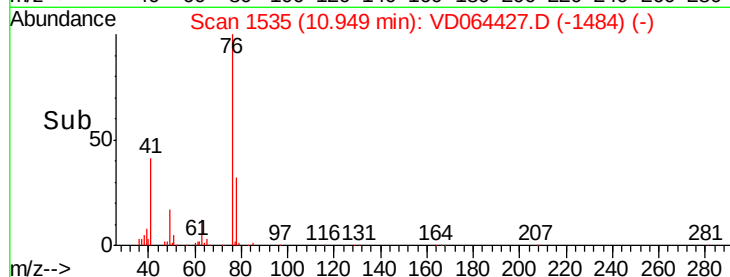
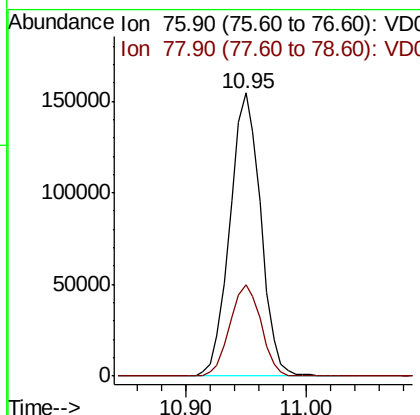
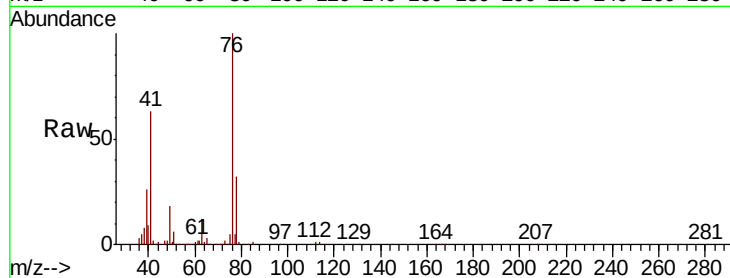




#57
 1,3-Dichloropropane
 Concen: 45.691 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD064427.D
 Acq: 05 Dec 2019 10:31

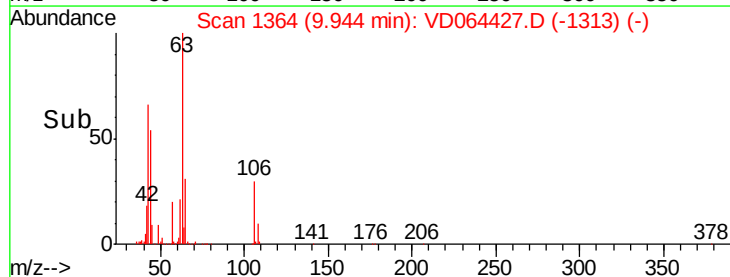
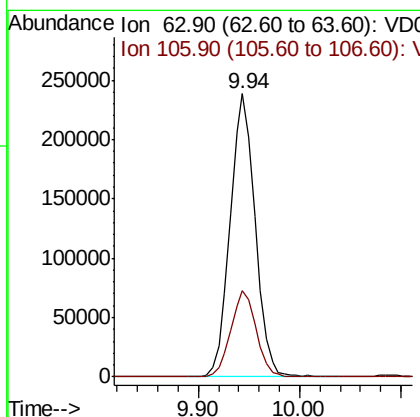
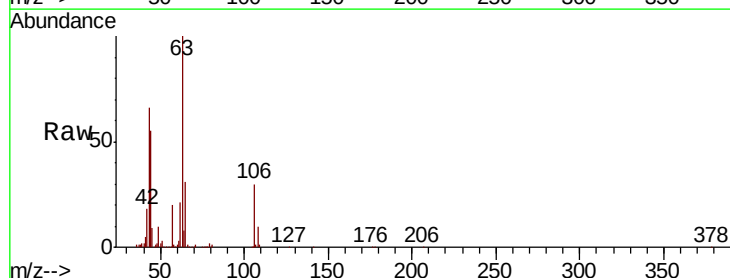
Instrument :
 MSVOA_D
 ClientSampleId :

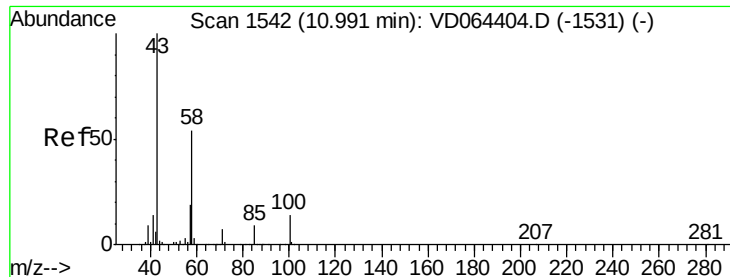
Tot Ion: 76 Resp: 274467
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 227.646 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064427.D
 Acq: 05 Dec 2019 10:31

Tgt Ion: 63 Resp: 408440
 Ion Ratio Lower Upper
 63 100
 106 30.8 24.2 36.4

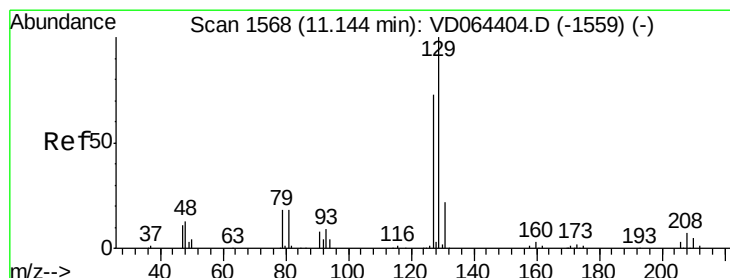
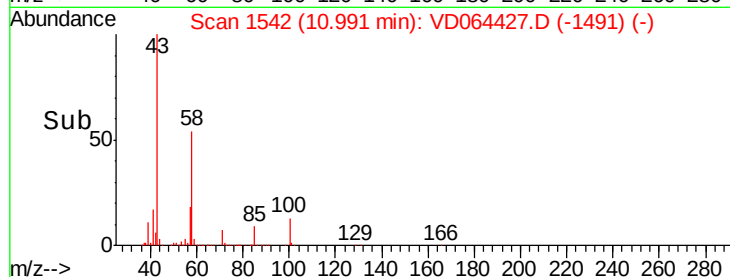
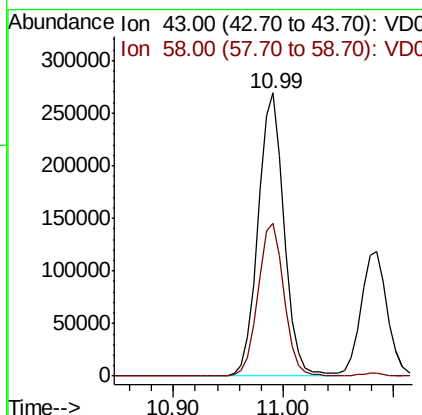
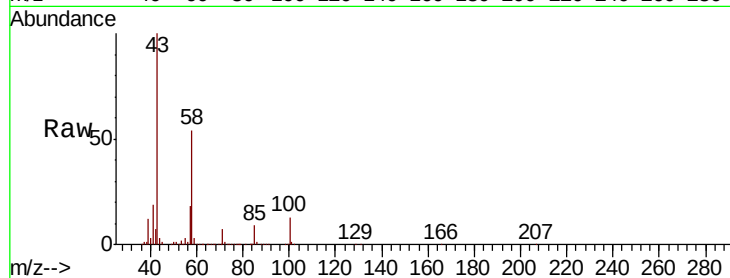




#59
2-Hexanone
Concen: 226.129 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

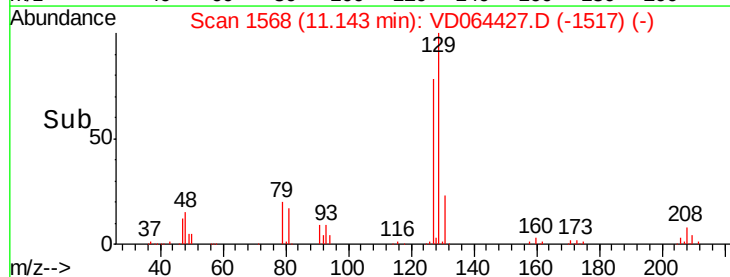
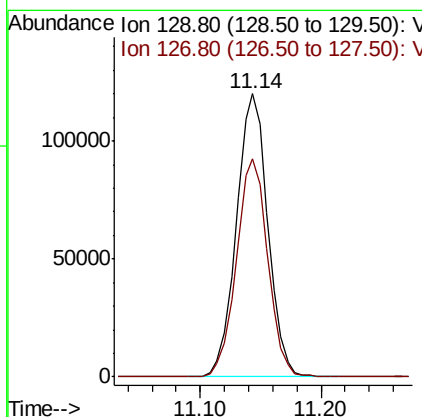
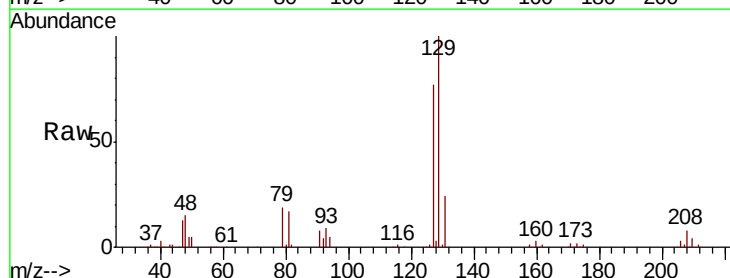
Instrument :
MSVOA_D
ClientSampled :

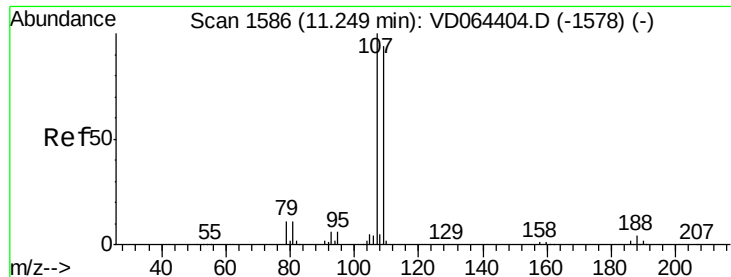
Tot Ion: 43 Resp: 445257
Ion Ratio Lower Upper
43 100
58 53.9 26.3 78.8



#60
Dibromochloromethane
Concen: 45.499 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Tgt Ion: 129 Resp: 217692
Ion Ratio Lower Upper
129 100
127 77.2 38.1 114.3





#61

1,2-Dibromoethane

Concen: 44.636 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

Instrument :

MSVOA_D

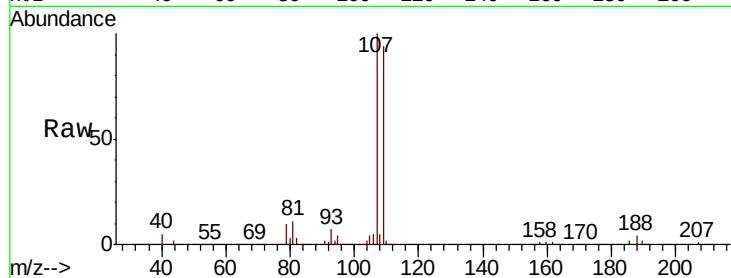
ClientSampleId :

Tot Ion:107 Resp: 157269

Ion Ratio Lower Upper

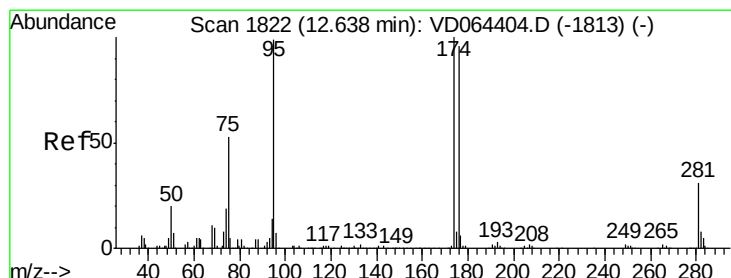
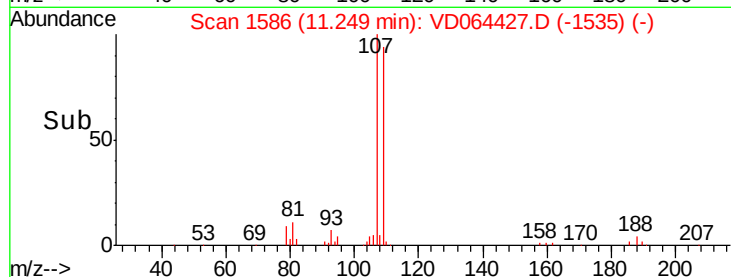
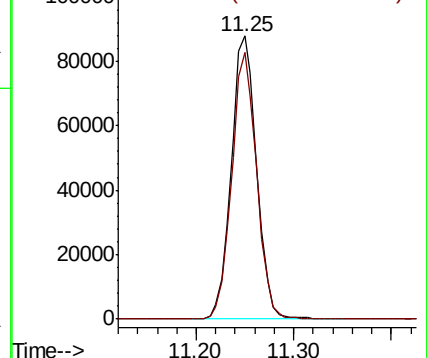
107 100

109 92.8 76.2 114.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.680 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

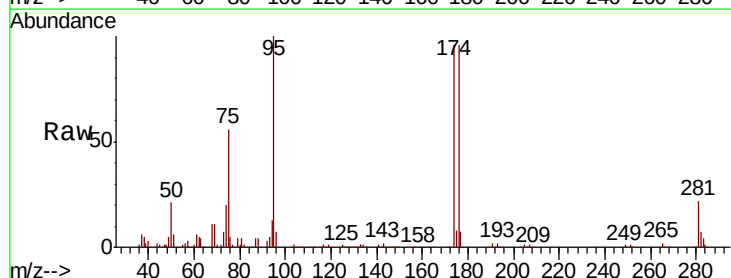
Tgt Ion: 95 Resp: 264301

Ion Ratio Lower Upper

95 100

174 98.3 0.0 197.2

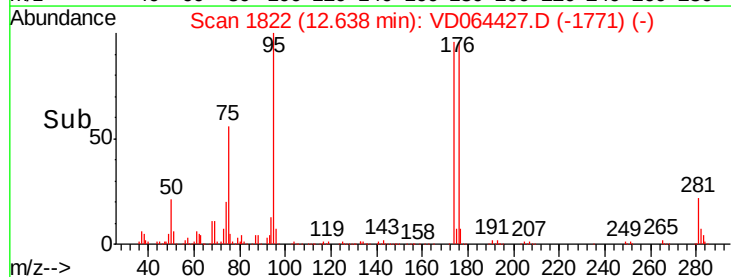
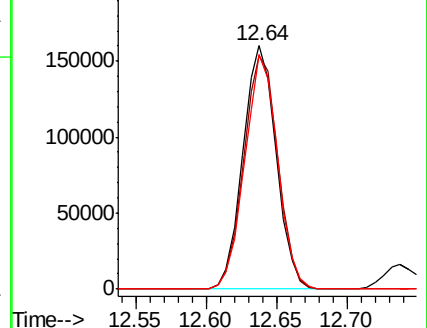
176 95.1 0.0 189.6

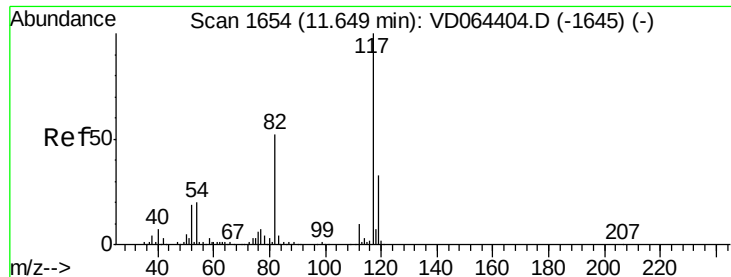


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

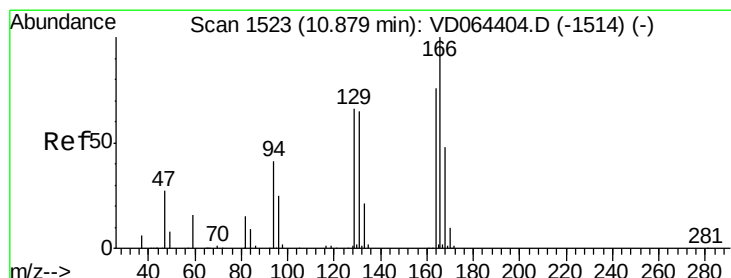
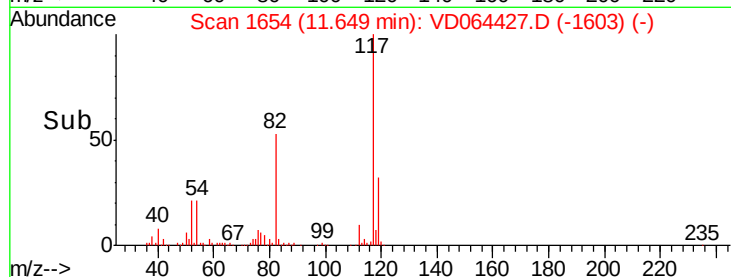
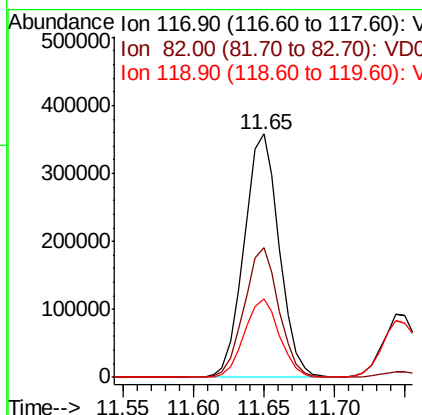
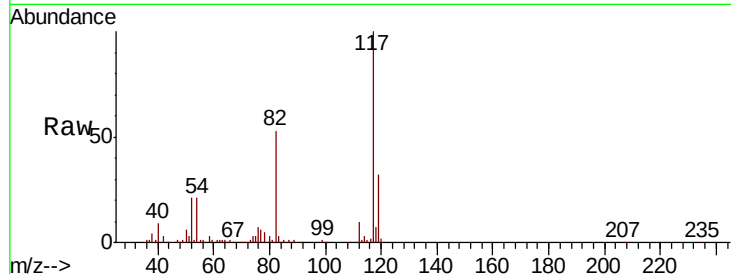




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

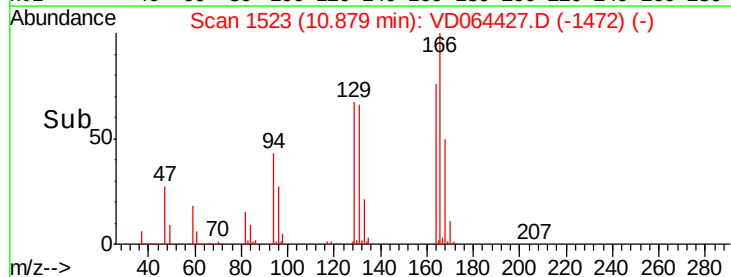
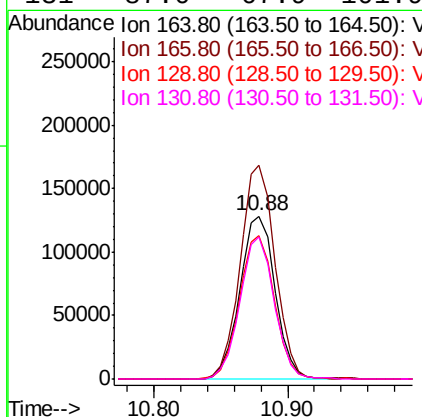
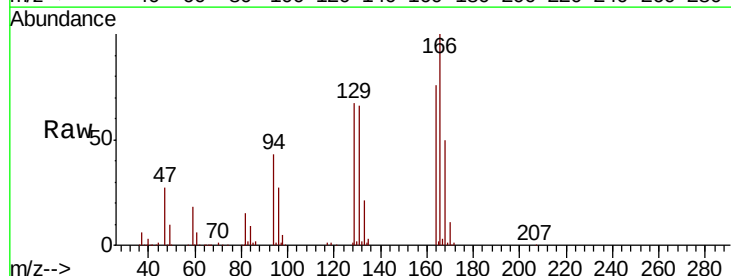
Instrument :
MSVOA_D
ClientSampleID :

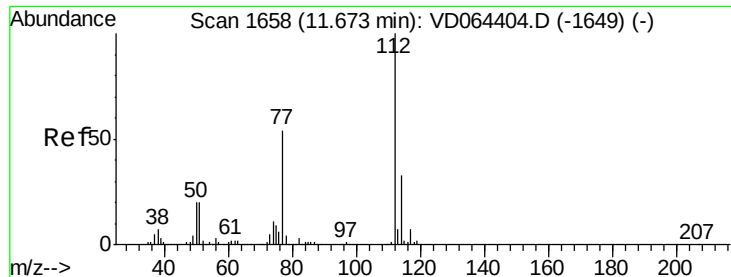
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	41.4	62.2
119	32.1	26.2	39.2



#64
Tetrachloroethene
Concen: 49.326 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.1	104.8	157.2
129	88.3	68.7	103.1
131	87.0	67.9	101.9

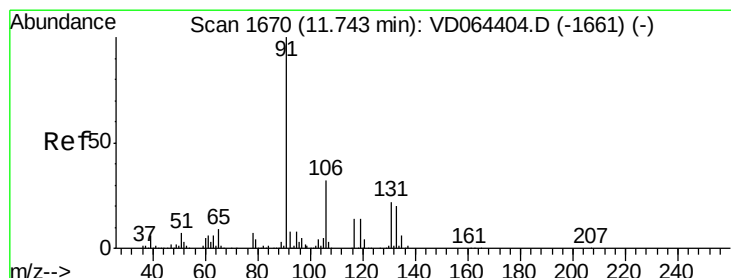
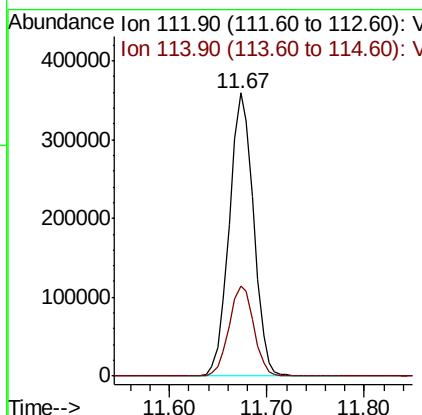
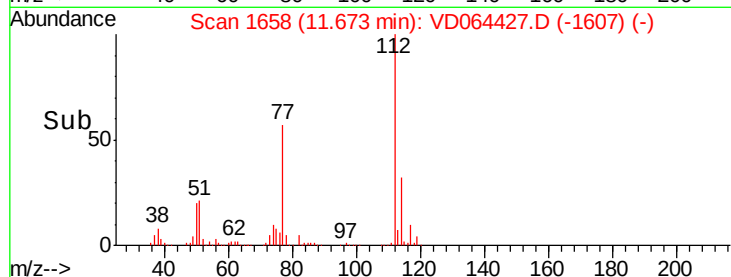
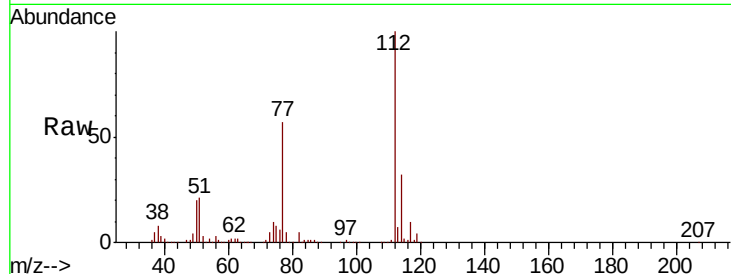




#65
Chlorobenzene
Concen: 47.589 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

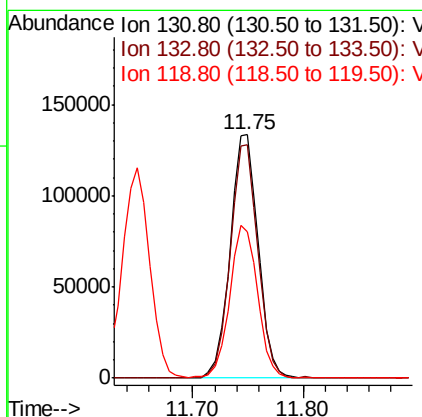
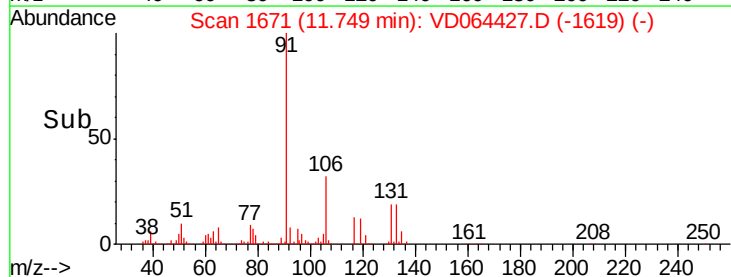
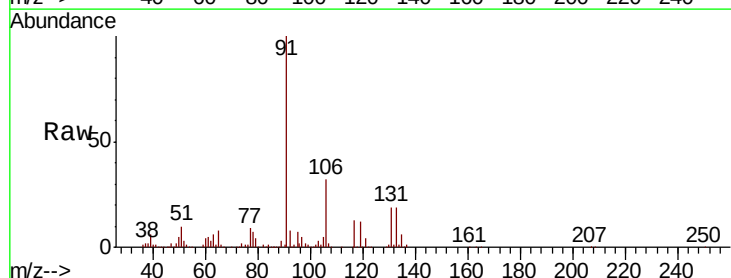
Instrument :
MSVOA_D
ClientSampleId :

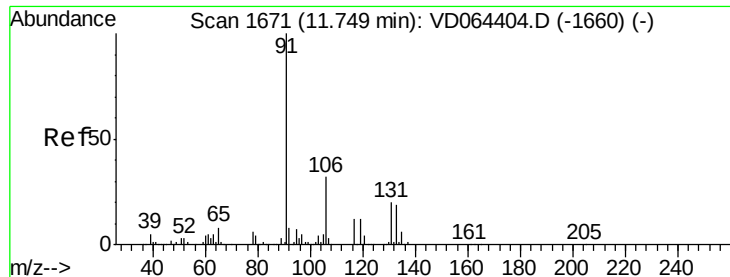
Tot Ion:112 Resp: 618980
Ion Ratio Lower Upper
112 100
114 32.0 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 49.401 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Tgt Ion:131 Resp: 237866
Ion Ratio Lower Upper
131 100
133 94.3 48.3 144.9
119 62.5 31.9 95.9





#67

Ethyl Benzene

Concen: 49.257 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

Instrument :

MSVOA_D

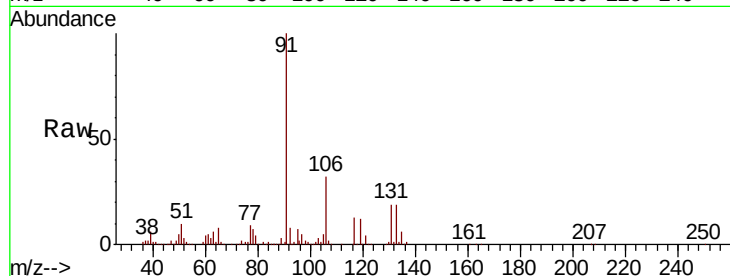
ClientSampleId :

Tot Ion: 91 Resp: 1139915

Ion Ratio Lower Upper

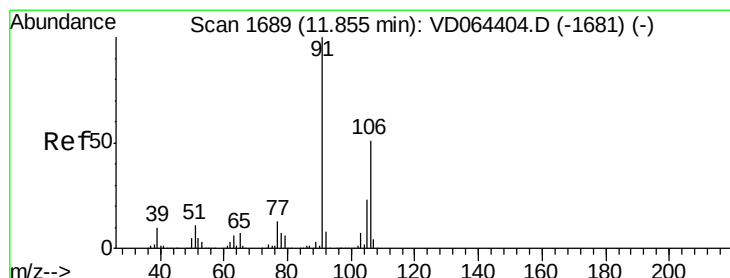
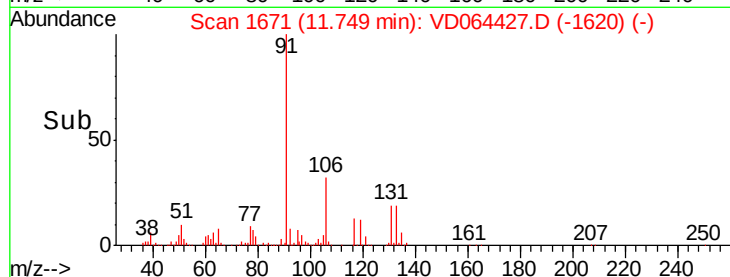
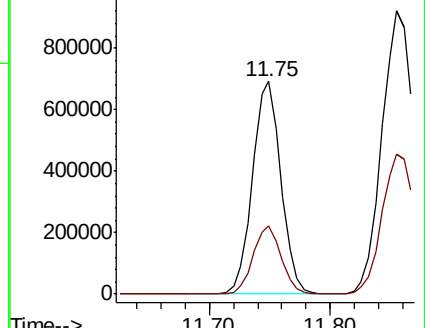
91 100

106 32.0 25.8 38.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 99.354 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064427.D

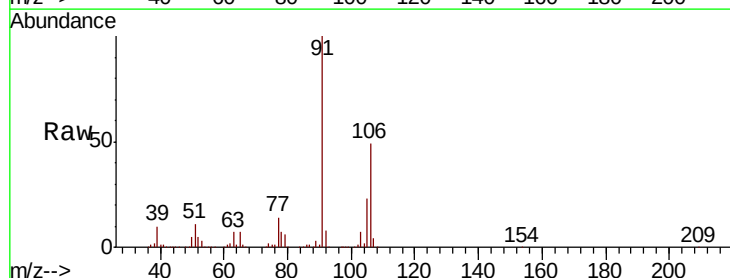
Acq: 05 Dec 2019 10:31

Tgt Ion:106 Resp: 876684

Ion Ratio Lower Upper

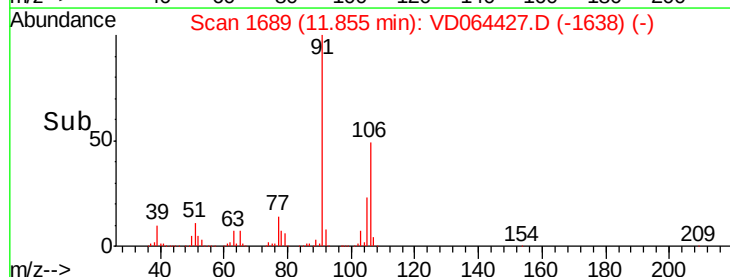
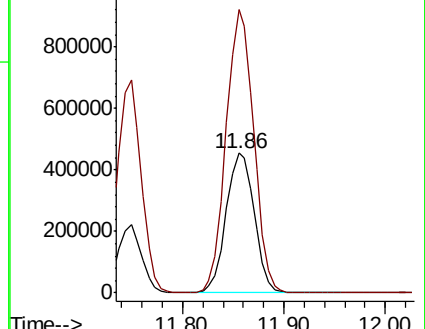
106 100

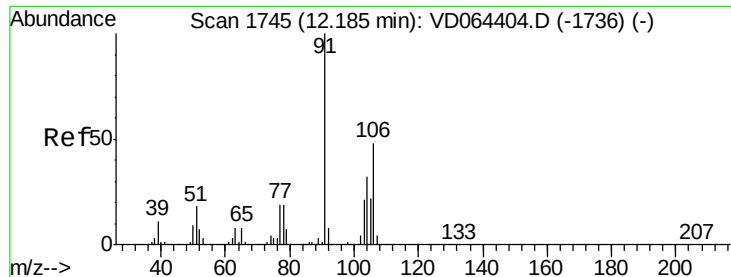
91 199.0 157.4 236.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

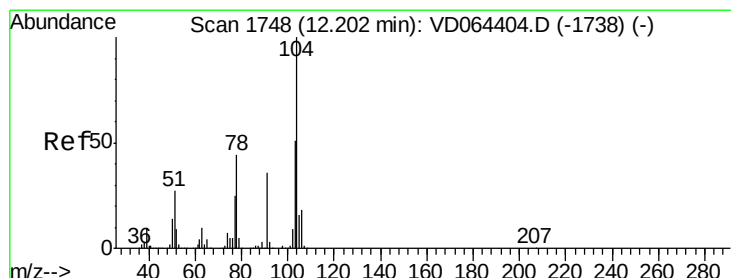
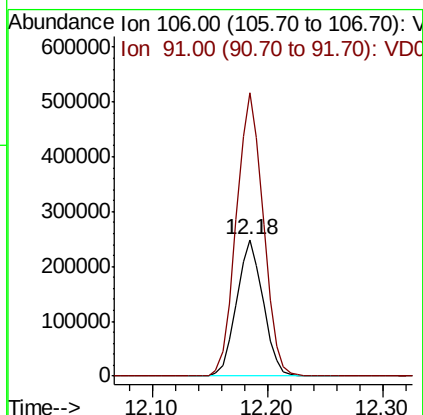
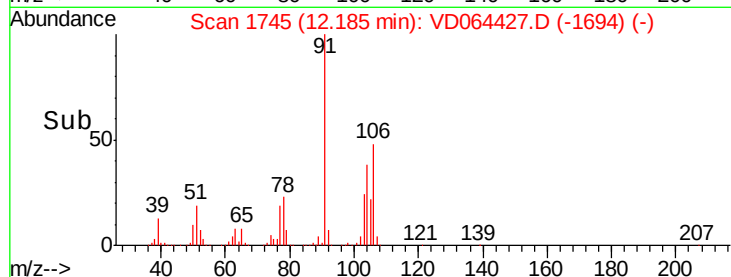
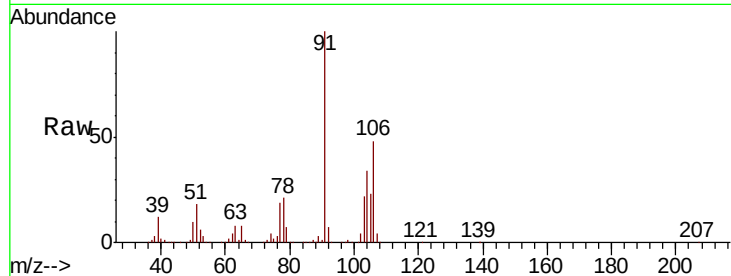




#69
o-Xylene
Concen: 48.566 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

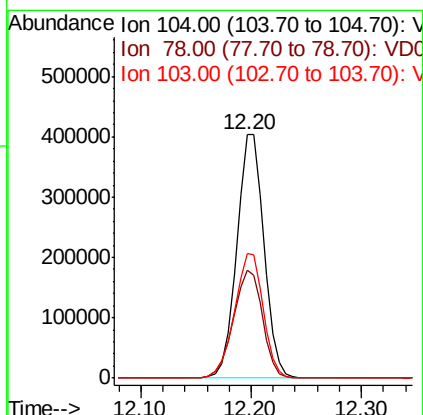
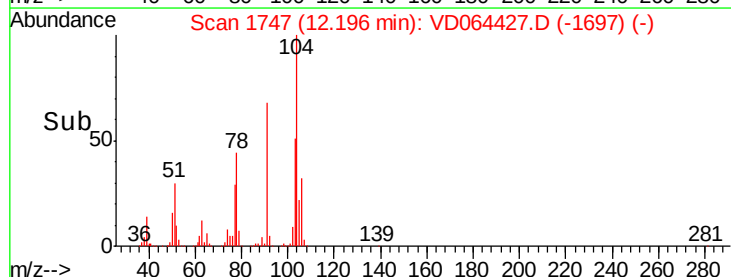
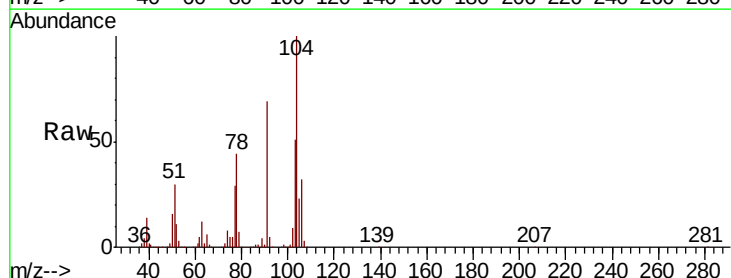
Instrument :
MSVOA_D
ClientSampled :

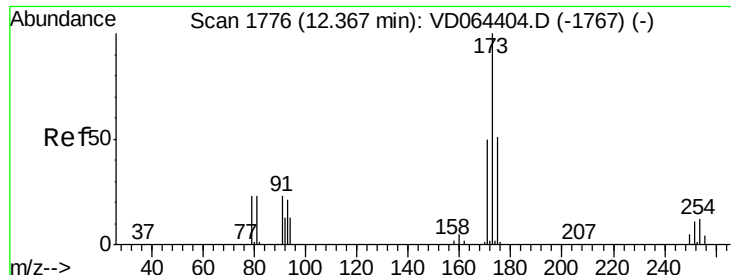
Tot Ion:106 Resp: 395779
Ion Ratio Lower Upper
106 100
91 210.8 103.8 311.4



#70
Styrene
Concen: 49.343 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Tgt Ion:104 Resp: 698775
Ion Ratio Lower Upper
104 100
78 47.5 38.8 58.2
103 54.1 44.2 66.4





#71

Bromoform

Concen: 44.602 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

Instrument :

MSVOA_D

ClientSampled :

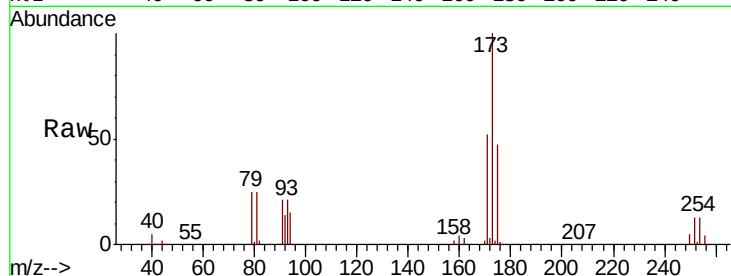
Tot Ion:173 Resp: 128486

Ion Ratio Lower Upper

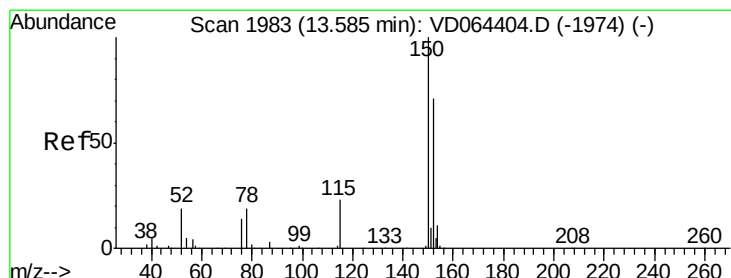
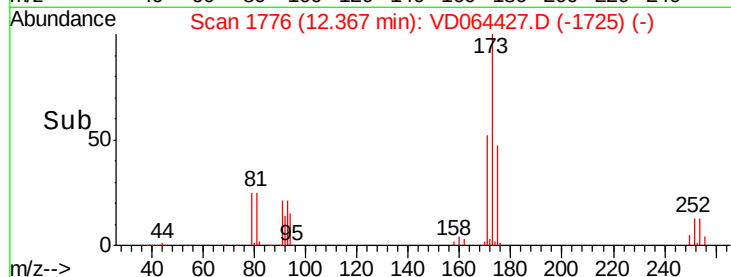
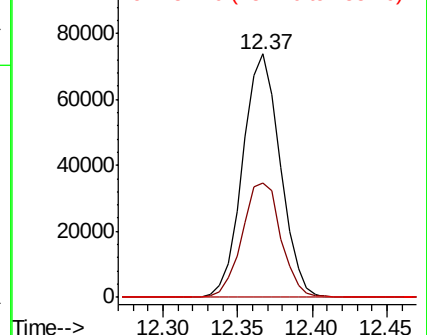
173 100

175 48.6 25.3 75.8

254 0.1 0.0 0.0#



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: VD064427.D

Acq: 05 Dec 2019 10:31

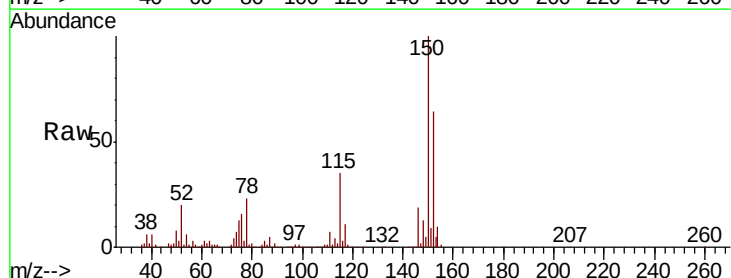
Tgt Ion:152 Resp: 306565

Ion Ratio Lower Upper

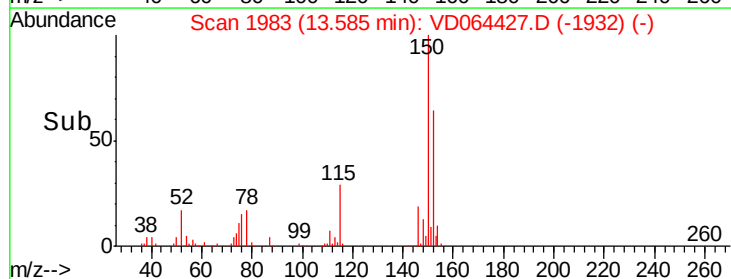
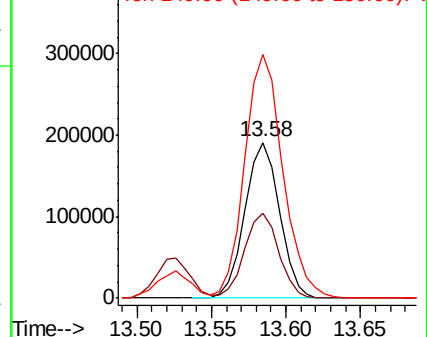
152 100

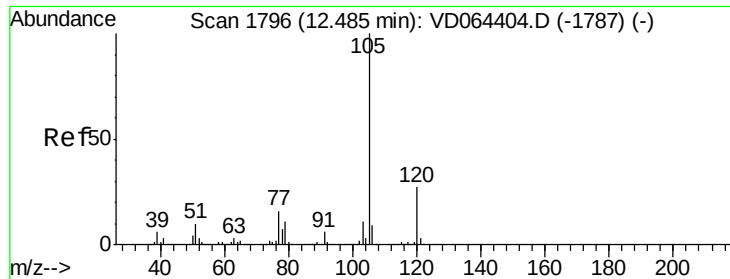
115 54.4 26.7 80.1

150 172.7 0.0 347.2



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





#73

Isopropylbenzene

Concen: 50.021 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

Instrument :

MSVOA_D

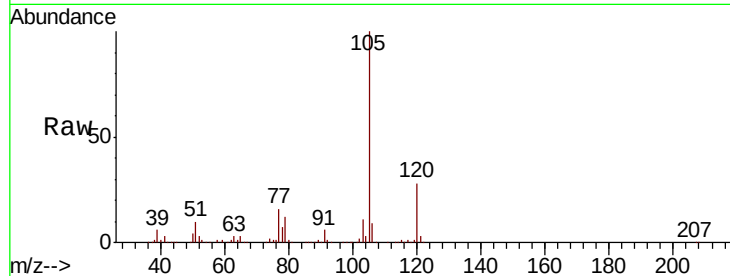
ClientSampleId :

Tot Ion:105 Resp: 1102878

Ion Ratio Lower Upper

105 100

120 26.9 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

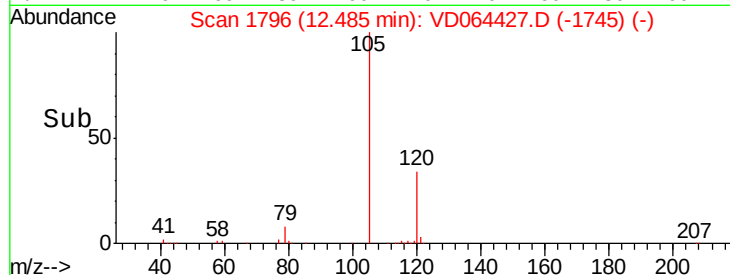
600000

400000

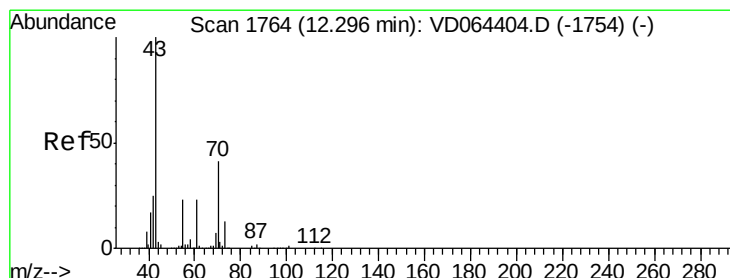
200000

0

Time-->



Time-->



#74

N-ethyl acetate

Concen: 43.745 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

Tgt Ion: 43 Resp: 218906

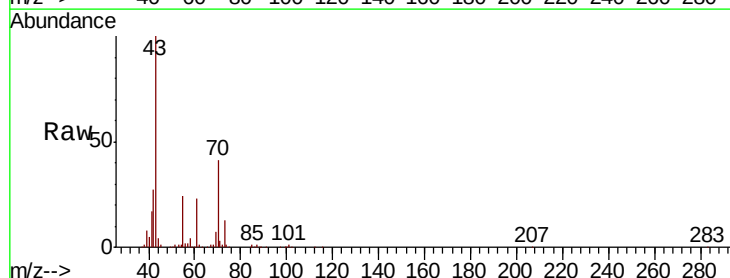
Ion Ratio Lower Upper

43 100

70 41.3 33.4 50.2

55 24.3 18.9 28.3

61 23.3 18.5 27.7



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

200000

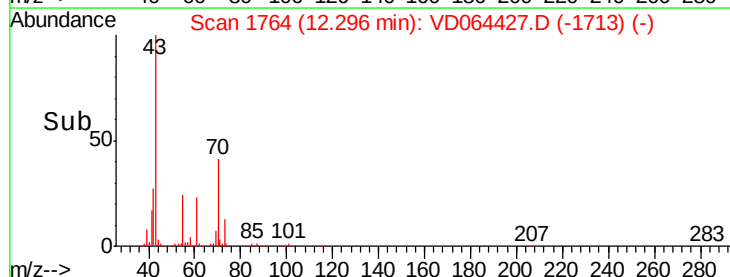
150000

100000

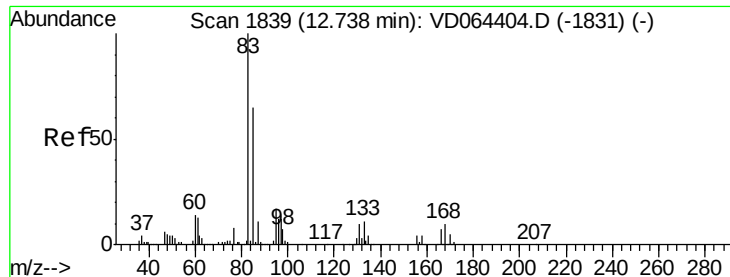
50000

0

Time-->



Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: 43.598 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

Instrument :

MSVOA_D

ClientSampled :

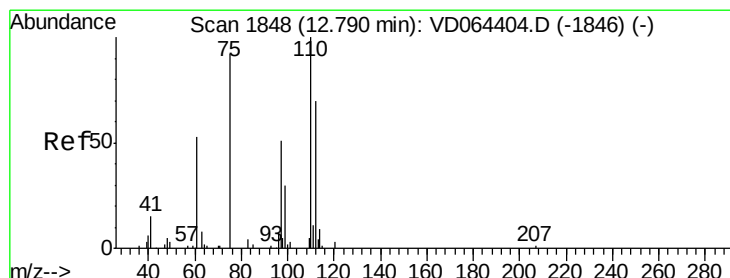
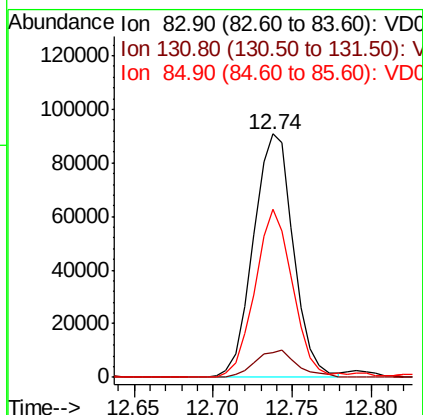
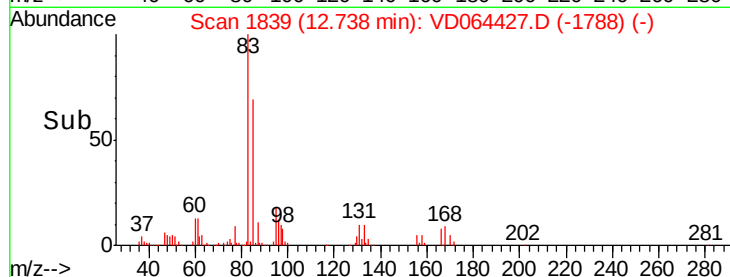
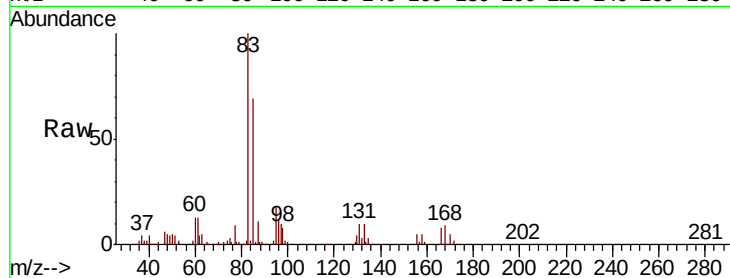
Tot Ion: 83 Resp: 158965

Ion Ratio Lower Upper

83 100

131 11.6 5.7 17.0

85 65.7 31.3 93.9



#76

1,2,3-Trichloropropane

Concen: 85.826 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD064427.D

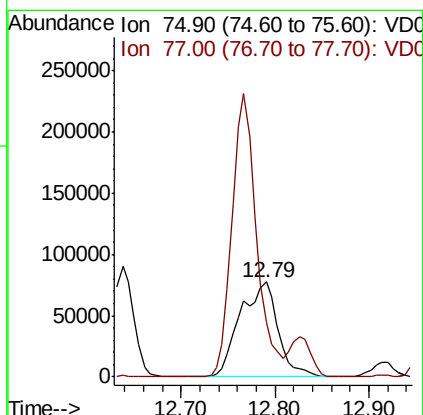
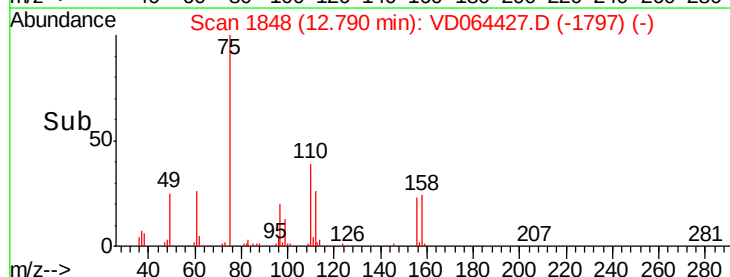
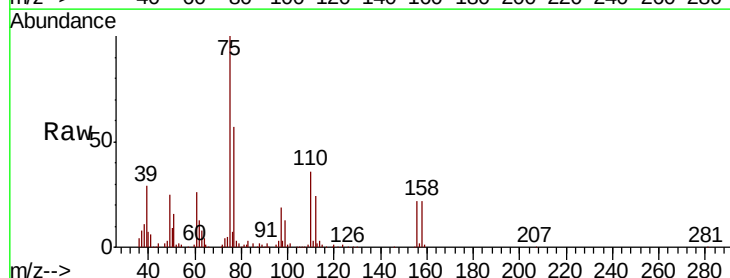
Acq: 05 Dec 2019 10:31

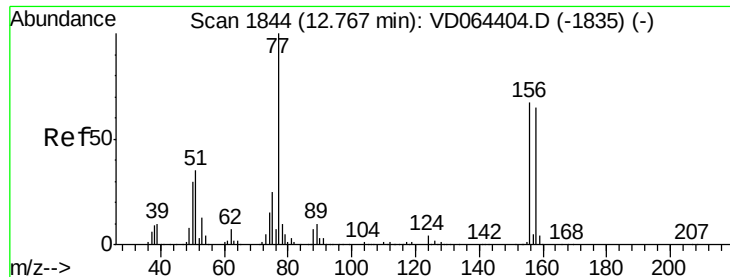
Tgt Ion: 75 Resp: 216375

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 47.210 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

Instrument :

MSVOA_D

ClientSampleId :

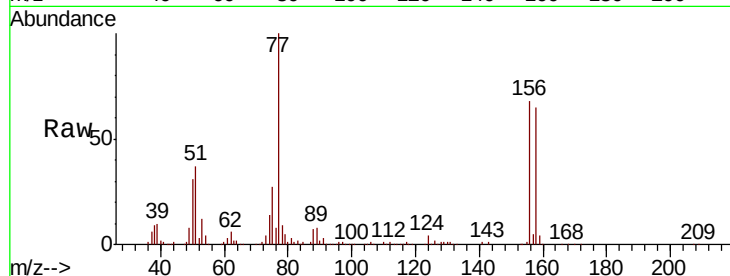
Tot Ion:156 Resp: 257051

Ion Ratio Lower Upper

156 100

77 164.0 80.0 240.2

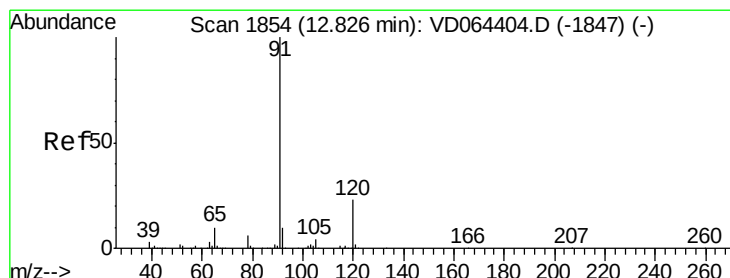
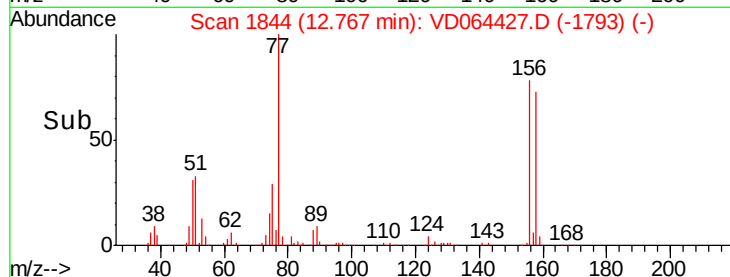
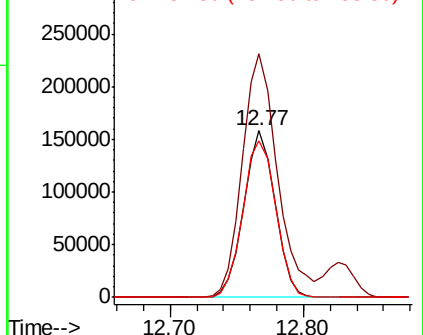
158 98.7 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.707 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064427.D

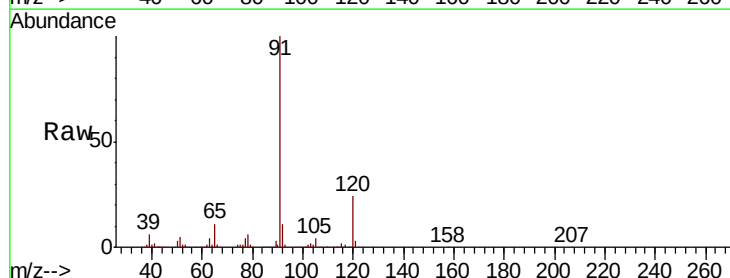
Acq: 05 Dec 2019 10:31

Tgt Ion: 91 Resp: 1264536

Ion Ratio Lower Upper

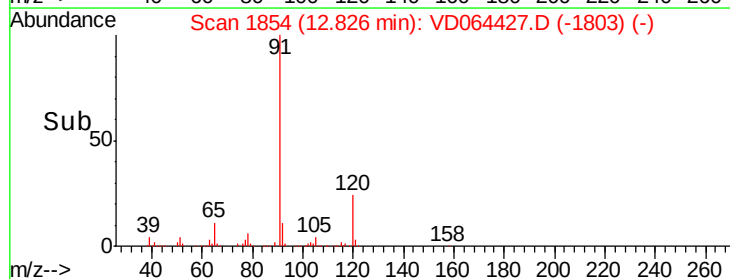
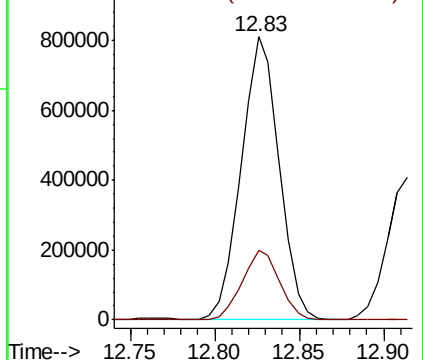
91 100

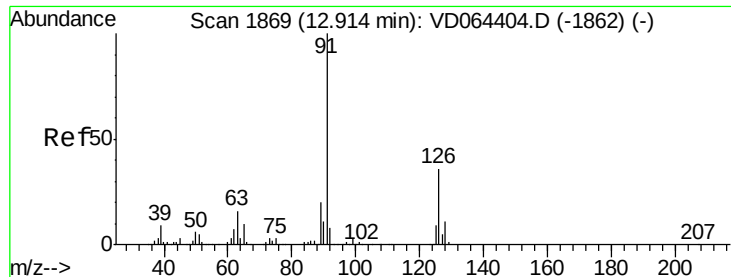
120 24.3 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

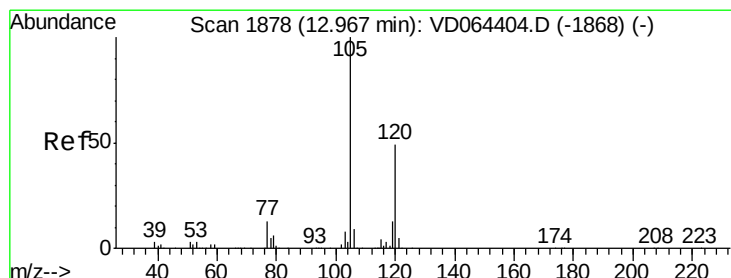
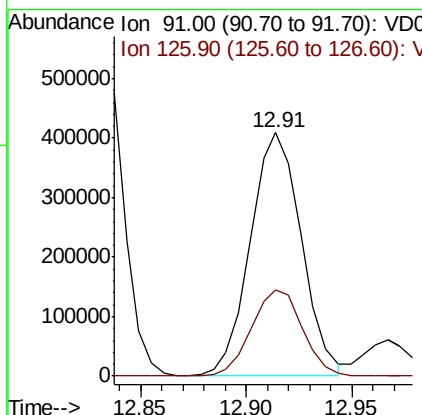
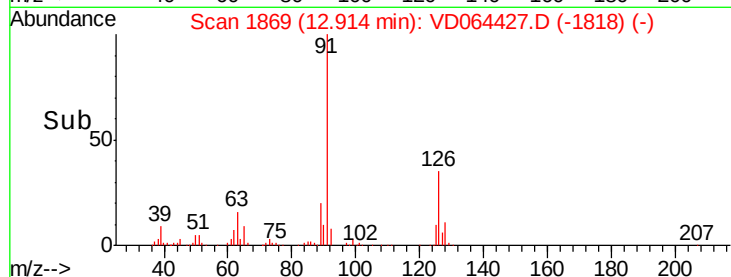
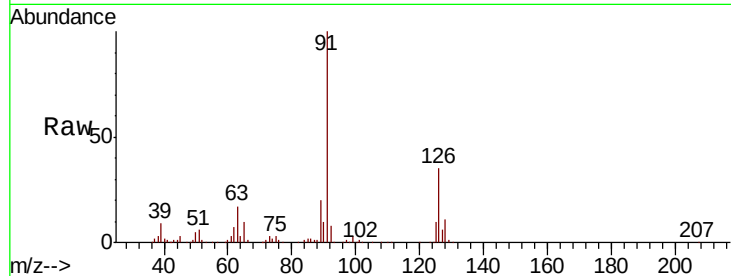




#79
 2-Chlorotoluene
 Concen: 48.953 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD064427.D
 Acq: 05 Dec 2019 10:31

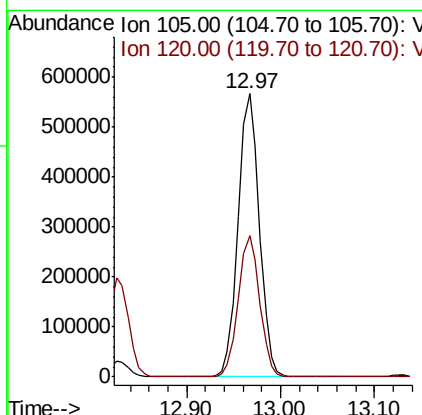
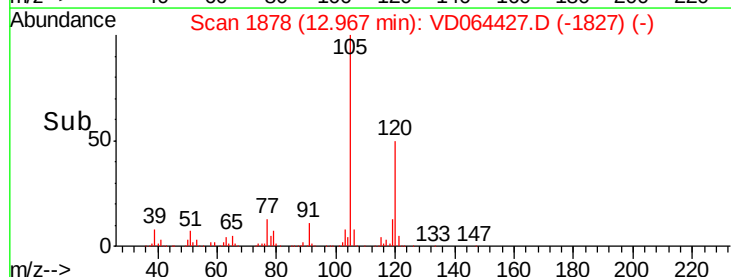
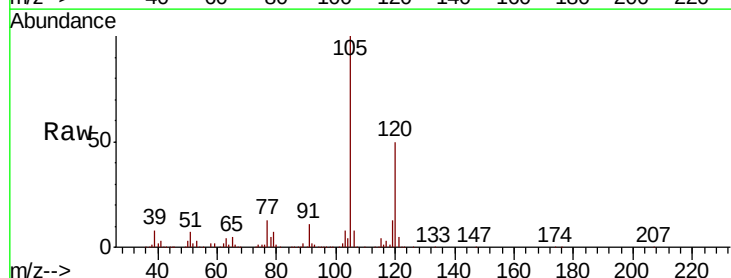
Instrument :
 MSVOA_D
 ClientSampled :

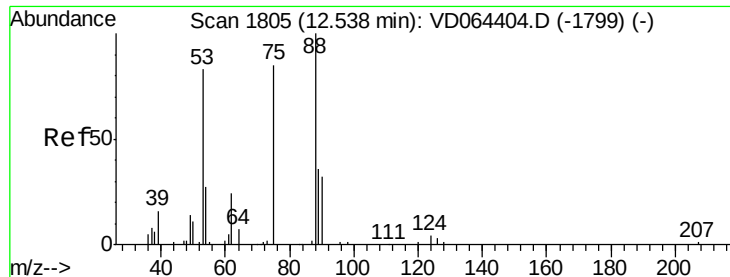
Tot Ion: 91 Resp: 685247
 Ion Ratio Lower Upper
 91 100
 126 35.7 18.0 54.0



#80
 1,3,5-Trimethylbenzene
 Concen: 49.444 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD064427.D
 Acq: 05 Dec 2019 10:31

Tgt Ion: 105 Resp: 890884
 Ion Ratio Lower Upper
 105 100
 120 50.3 25.1 75.3

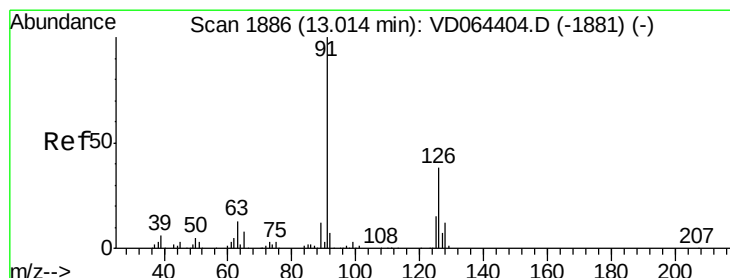
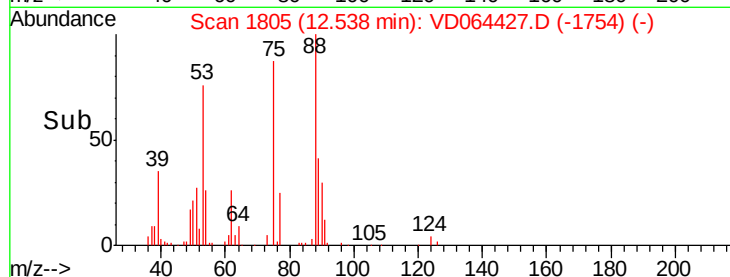
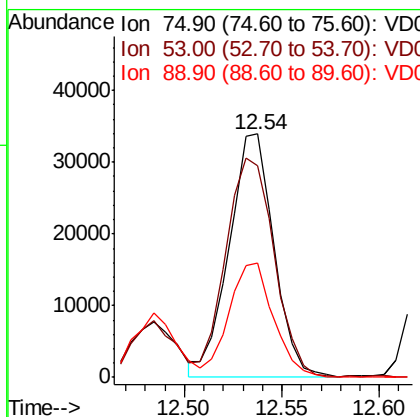
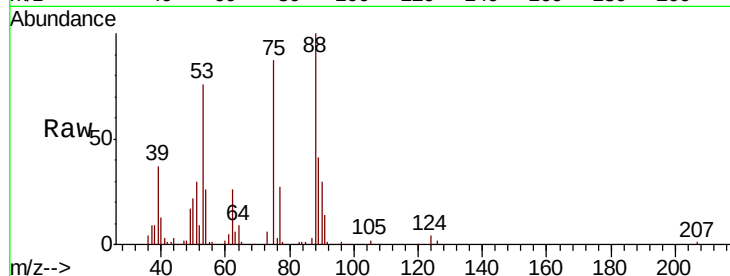




#81
trans-1,4-Dichloro-2-butene
Concen: 46.865 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

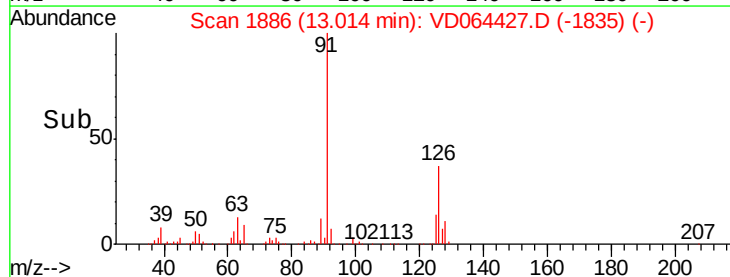
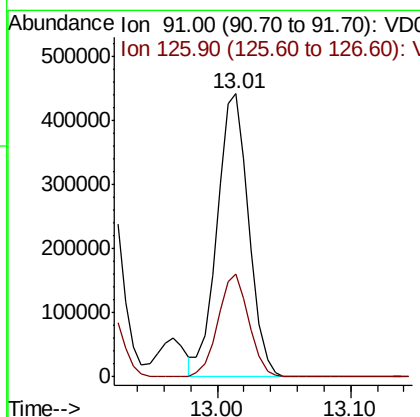
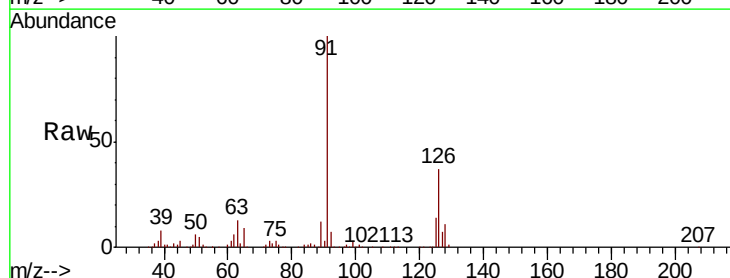
Instrument :
MSVOA_D
ClientSampled :

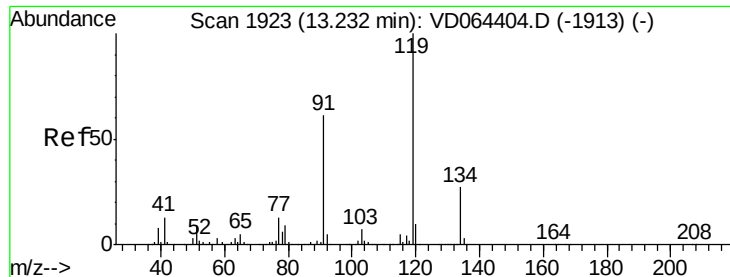
Tot Ion: 75 Resp: 54185
Ion Ratio Lower Upper
75 100
53 97.9 81.0 121.6
89 46.4 38.5 57.7



#82
4-Chlorotoluene
Concen: 49.576 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Tgt Ion: 91 Resp: 734765
Ion Ratio Lower Upper
91 100
126 35.4 18.2 54.6

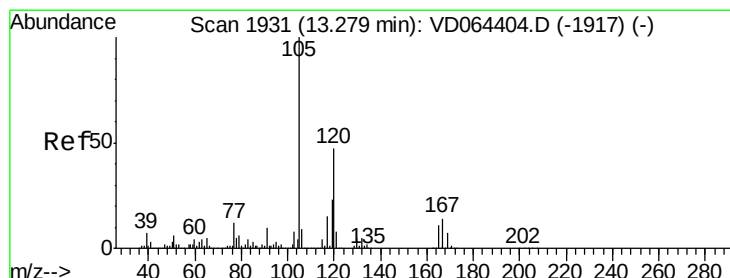
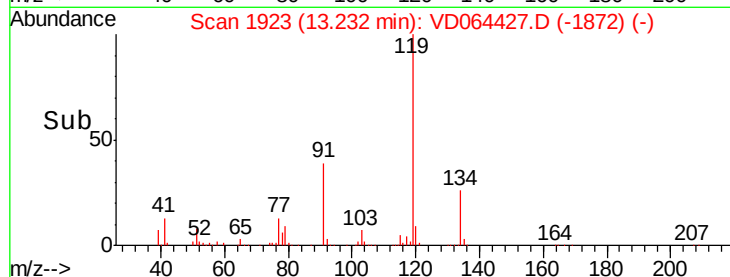
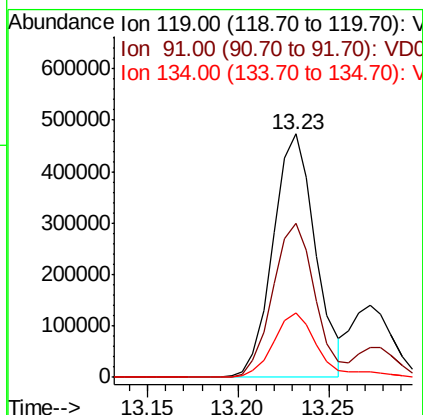
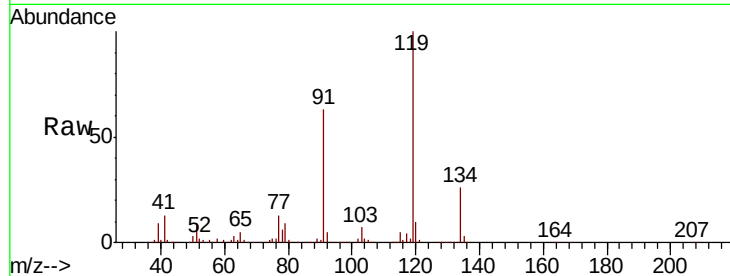




#83
 tert-Butylbenzene
 Concen: 49.486 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD064427.D
 Acq: 05 Dec 2019 10:31

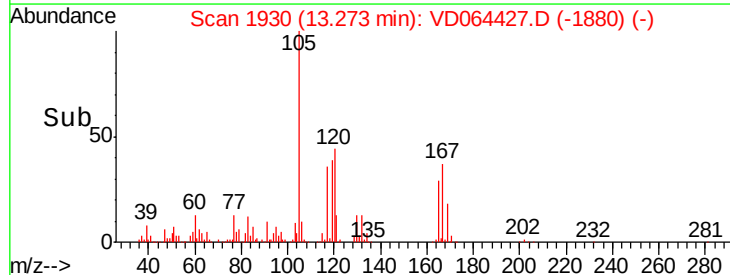
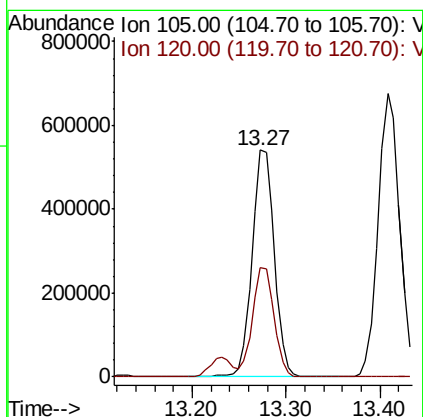
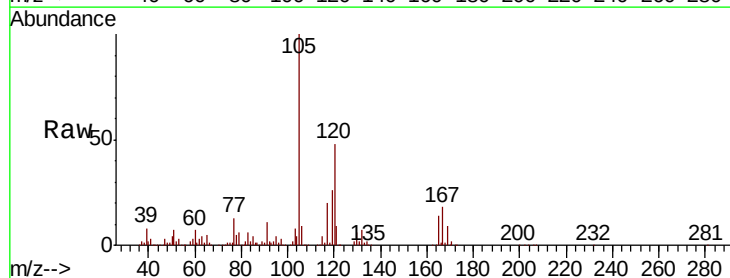
Instrument :
 MSVOA_D
 ClientSampleId :

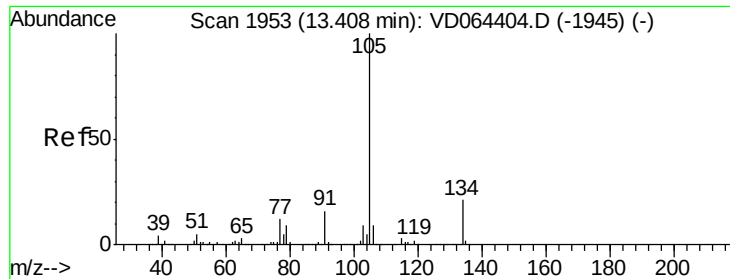
Tot Ion:119 Resp: 775163
 Ion Ratio Lower Upper
 119 100
 91 63.9 31.2 93.6
 134 28.0 13.9 41.7



#84
 1,2,4-Trimethylbenzene
 Concen: 48.784 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: VD064427.D
 Acq: 05 Dec 2019 10:31

Tgt Ion:105 Resp: 883855
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.6 70.8





#85

sec-Butylbenzene

Concen: 49.770 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

Instrument :

MSVOA_D

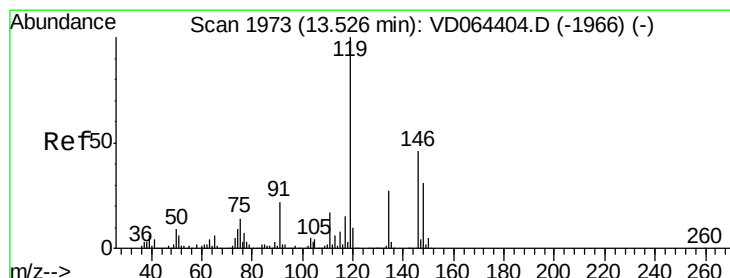
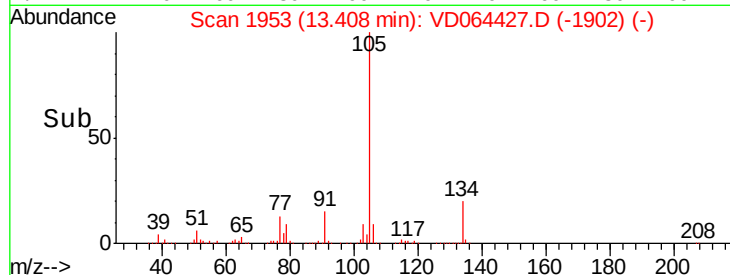
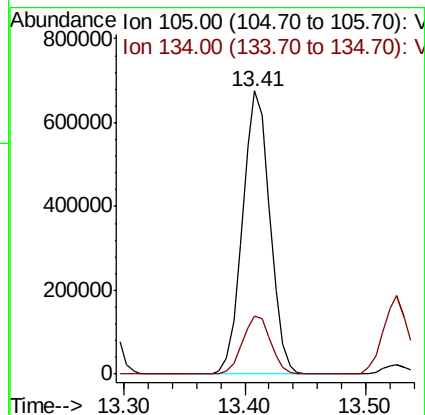
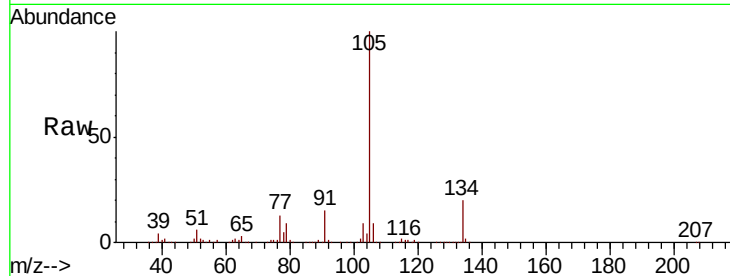
ClientSampleId :

Tot Ion:105 Resp: 1070009

Ion Ratio Lower Upper

105 100

134 21.1 10.5 31.5



#86

p-Isopropyltoluene

Concen: 50.207 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

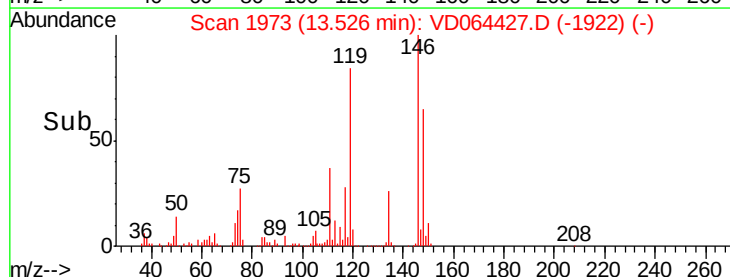
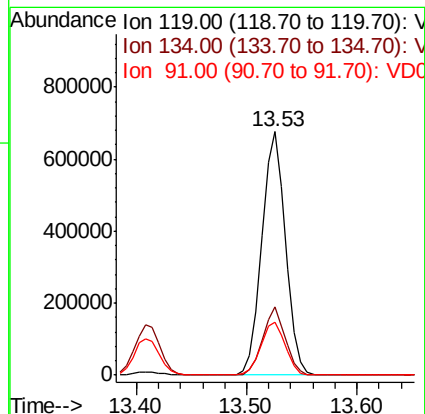
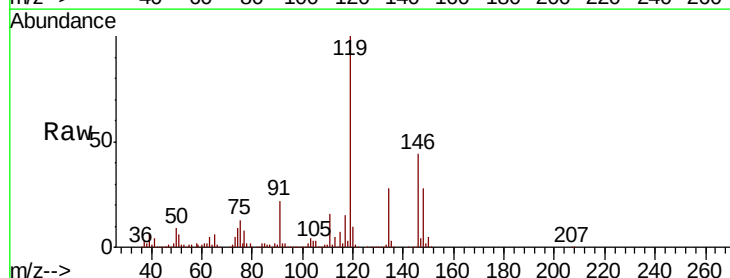
Tgt Ion:119 Resp: 1019056

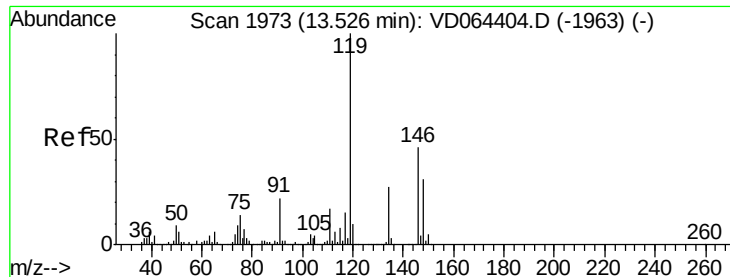
Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

91 22.5 11.2 33.5

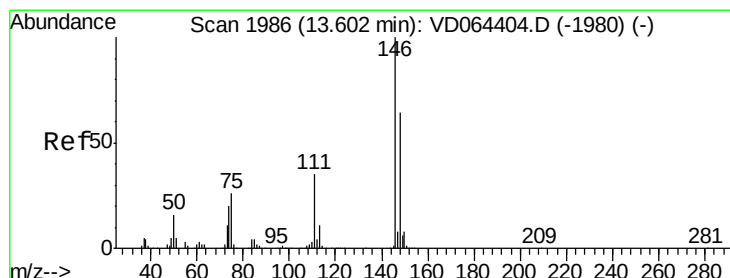
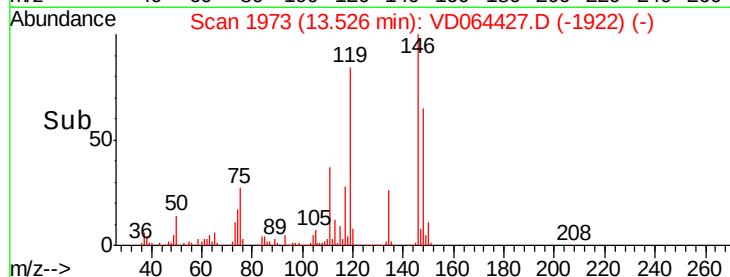
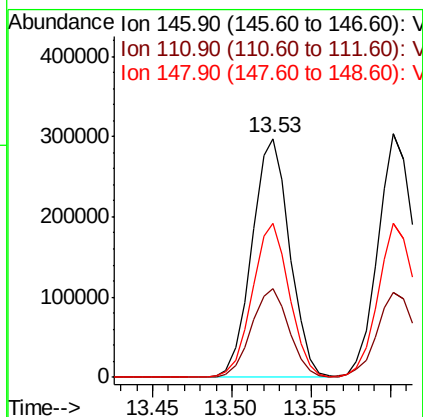
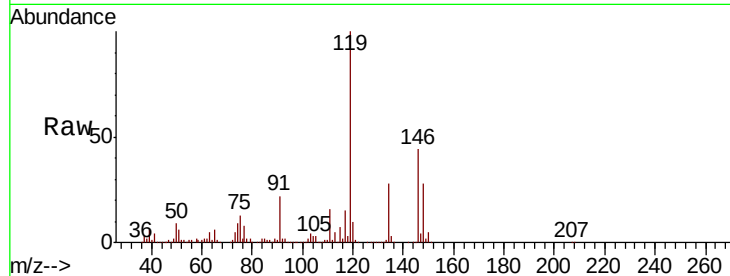




#87
 1,3-Dichlorobenzene
 Concen: 47.701 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD064427.D
 Acq: 05 Dec 2019 10:31

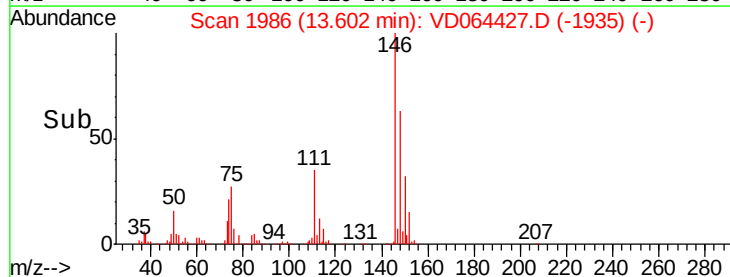
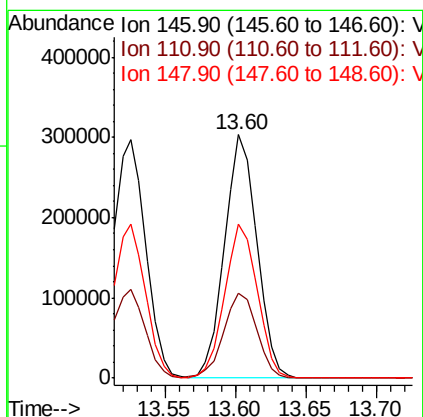
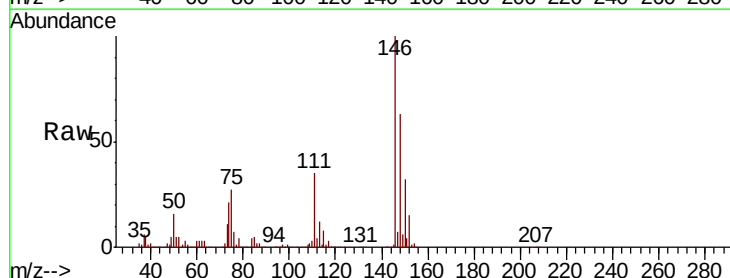
Instrument :
 MSVOA_D
 ClientSampleId :

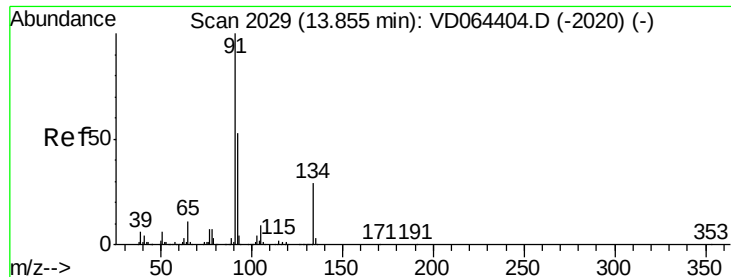
Tot Ion:146 Resp: 492944
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.8 56.4
 148 63.5 32.6 97.8



#88
 1,4-Dichlorobenzene
 Concen: 47.404 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064427.D
 Acq: 05 Dec 2019 10:31

Tgt Ion:146 Resp: 483648
 Ion Ratio Lower Upper
 146 100
 111 36.0 18.2 54.6
 148 63.7 31.8 95.4

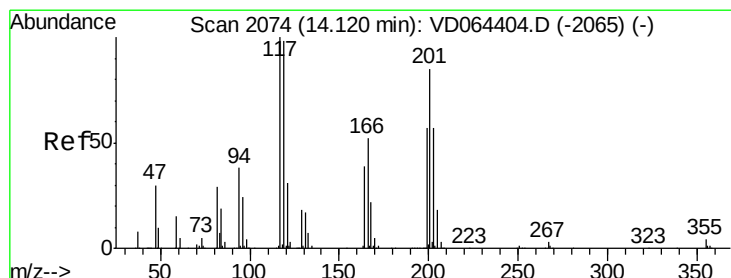
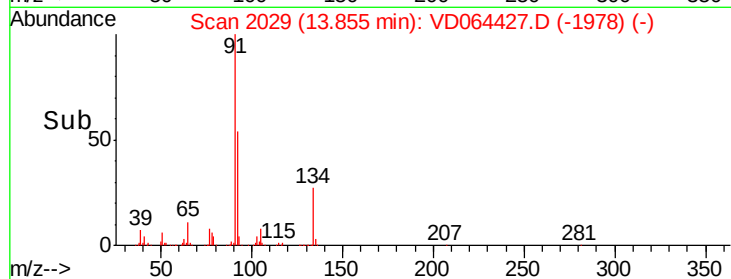
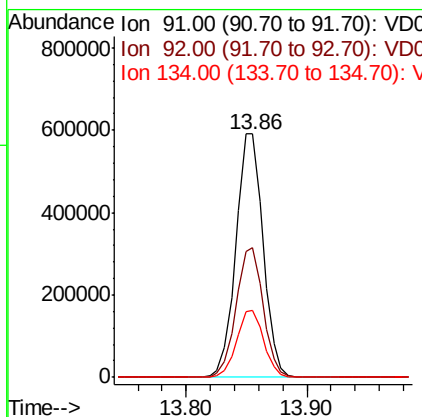
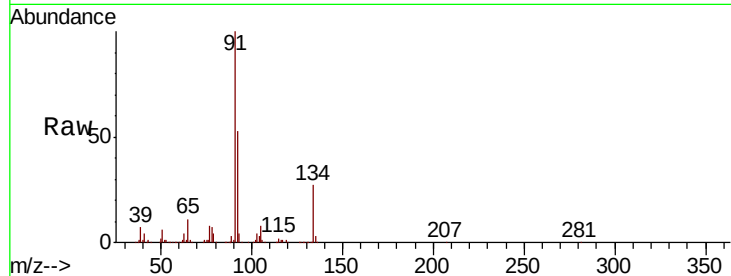




#89
n-Butylbenzene
Concen: 50.335 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

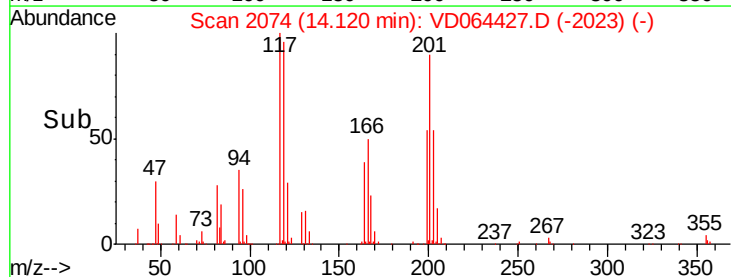
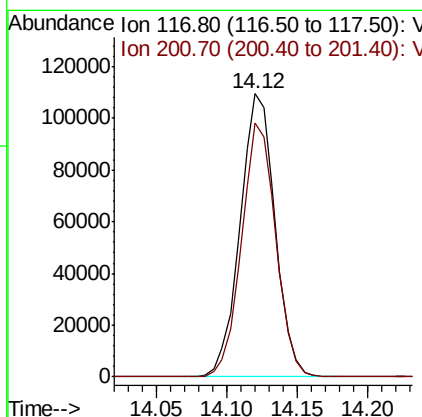
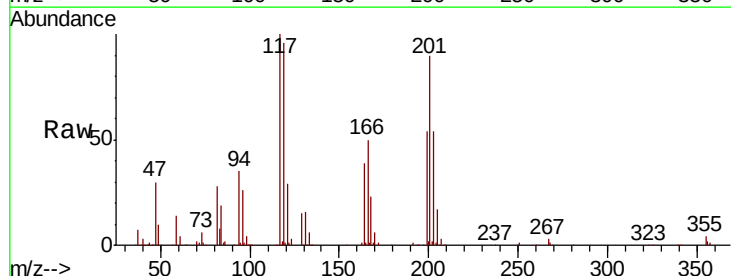
Instrument :
MSVOA_D
ClientSampleId :

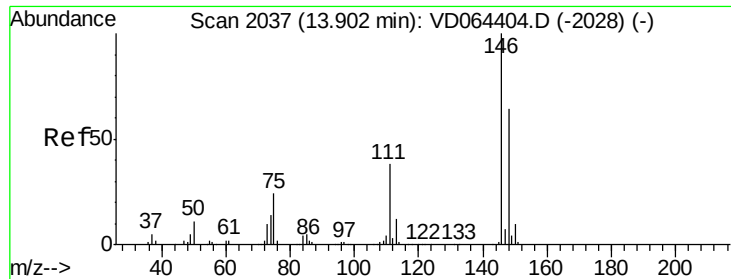
Tot Ion: 91 Resp: 927786
Ion Ratio Lower Upper
91 100
92 53.1 26.5 79.4
134 27.4 13.9 41.7



#90
Hexachloroethane
Concen: 49.749 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Tgt Ion: 117 Resp: 188861
Ion Ratio Lower Upper
117 100
201 88.1 44.3 132.8

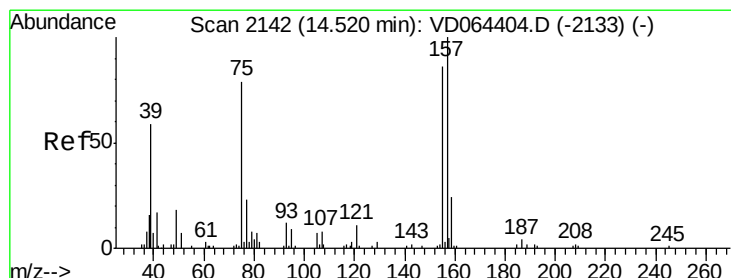
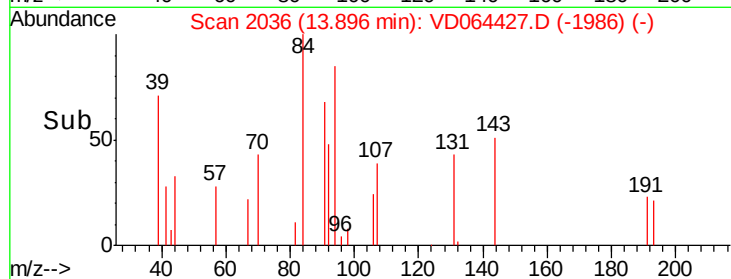
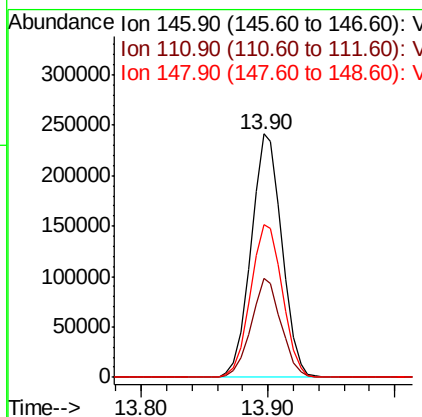
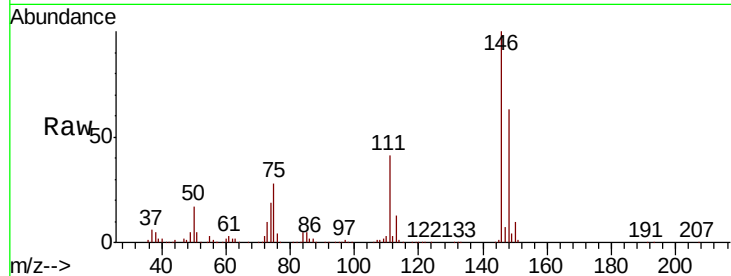




#91
 1,2-Dichlorobenzene
 Concen: 46.291 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064427.D
 Acq: 05 Dec 2019 10:31

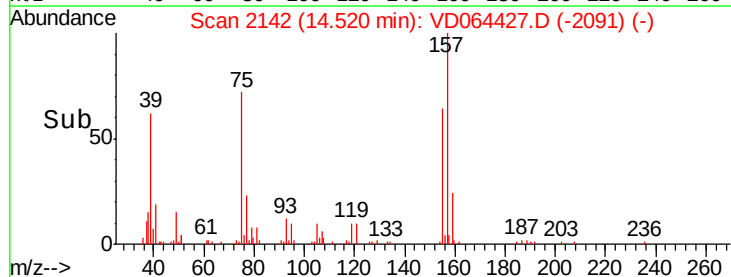
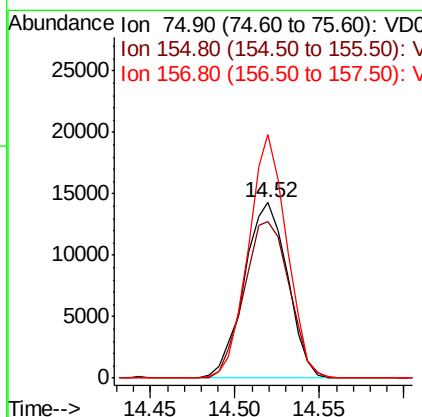
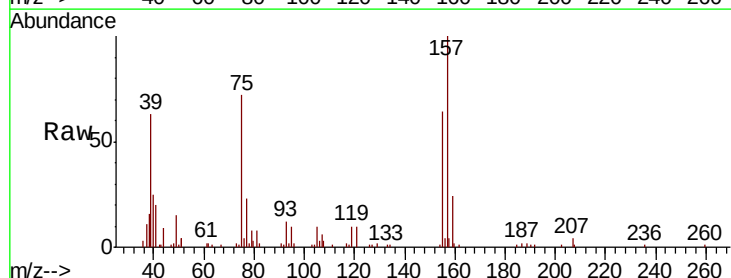
Instrument :
 MSVOA_D
 ClientSampleId :

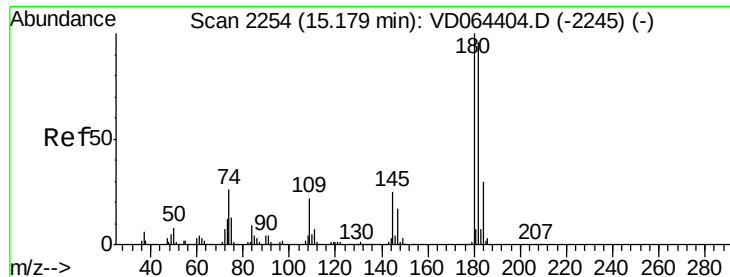
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.1	57.3
148	64.8	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.501 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064427.D
 Acq: 05 Dec 2019 10:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.3	51.9	155.7
157	122.9	63.2	189.8

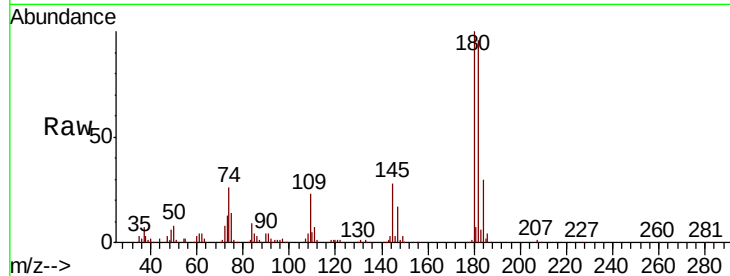




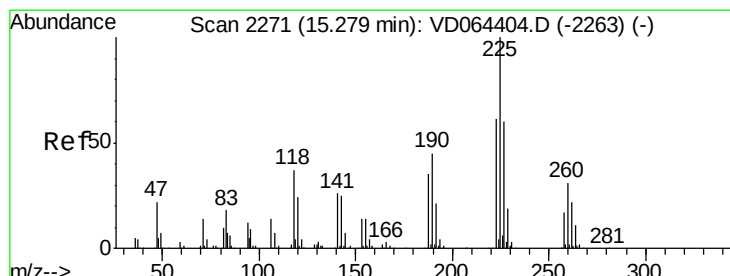
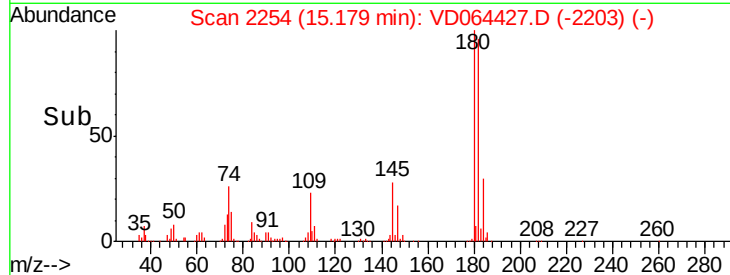
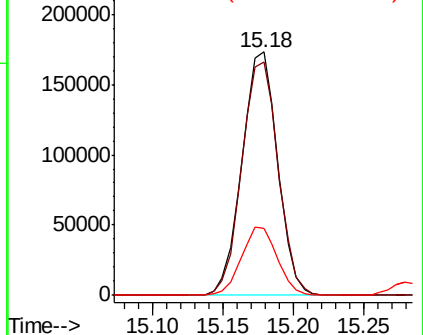
#93
 1,2,4-Trichlorobenzene
 Concen: 45.392 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VD064427.D
 Acq: 05 Dec 2019 10:31

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.7	47.4	142.3
145	28.1	14.0	41.9

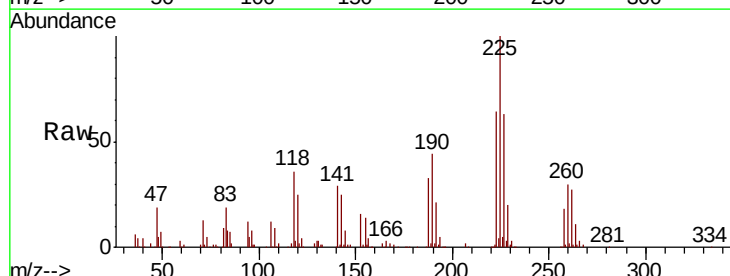


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

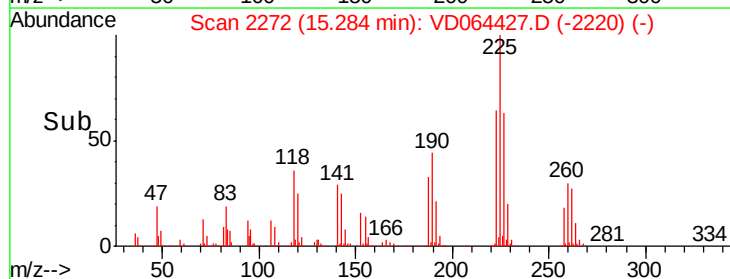
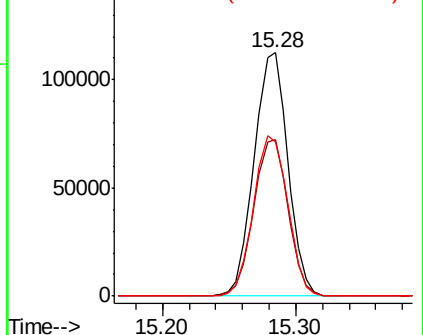


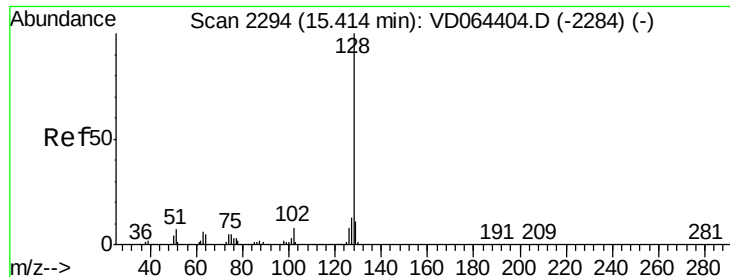
#94
 Hexachlorobutadiene
 Concen: 47.164 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD064427.D
 Acq: 05 Dec 2019 10:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.4	31.1	93.3
227	66.7	31.8	95.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

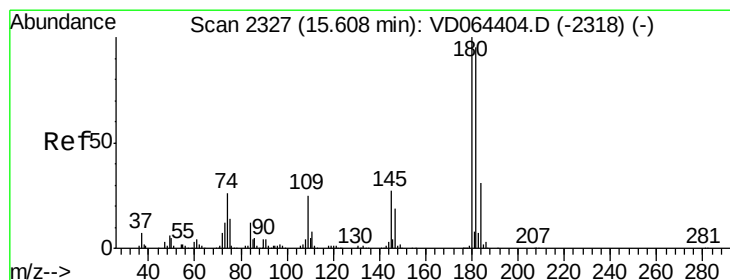
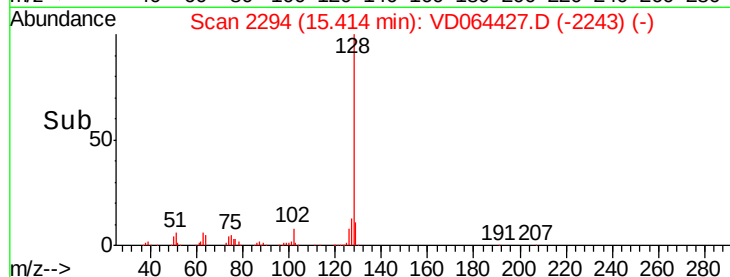
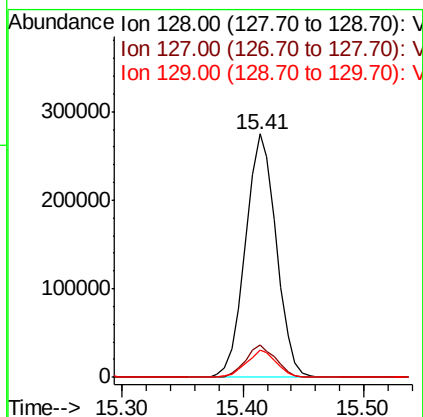
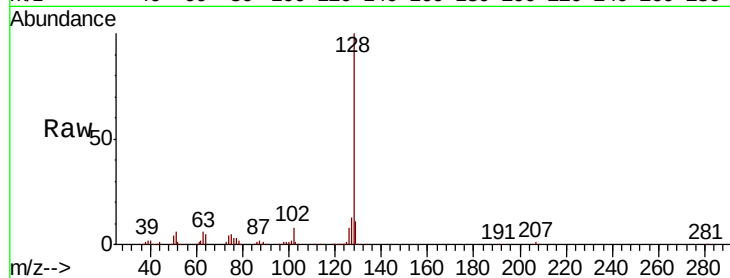




#95
Naphthalene
Concen: 43.377 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 489634
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 10.7 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 45.793 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Tgt Ion:180 Resp: 264391
Ion Ratio Lower Upper
180 100
182 95.0 47.6 142.9
145 28.9 14.6 43.8

