

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112719\
 Data File : VD064407.D
 Acq On : 27 Nov 2019 21:10
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 29 07:22:39 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	7.99	168	469398	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	683546	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	600639	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	296715	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	218958	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	
35) Dibromofluoromethane	7.92	113	217122	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
50) Toluene-d8	10.34	98	824592	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	
62) 4-Bromofluorobenzene	12.64	95	260823	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	198214	46.604	ug/l	99
3) Chloromethane	2.21	50	259727	48.416	ug/l	99
4) Vinyl Chloride	2.35	62	297409	48.017	ug/l	99
5) Bromomethane	2.77	94	221113	48.273	ug/l	98
6) Chloroethane	2.92	64	201411	48.650	ug/l	98
7) Trichlorofluoromethane	3.27	101	493280	47.906	ug/l	94
8) Diethyl Ether	3.71	74	106997	50.006	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	207933	47.098	ug/l	98
10) Methyl Iodide	4.29	142	244217	52.381	ug/l	98
11) Tert butyl alcohol	5.25	59	61579	227.688	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	204046	48.227	ug/l	96
13) Acrolein	3.93	56	91308	247.518	ug/l	98
14) Allyl chloride	4.71	41	324847	49.198	ug/l	98
15) Acrylonitrile	5.43	53	237773	254.123	ug/l	98
16) Acetone	4.17	43	186425	217.131	ug/l	97
17) Carbon Disulfide	4.40	76	651335	48.607	ug/l	97
18) Methyl Acetate	4.72	43	121894	48.671	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	492508	50.747	ug/l	98
20) Methylene Chloride	4.96	84	226617	52.137	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	235276	49.161	ug/l	98
22) Diisopropyl ether	6.37	45	653133	50.106	ug/l	97
23) Vinyl Acetate	6.31	43	2019196	262.761	ug/l	99
24) 1,1-Dichloroethane	6.26	63	390509	49.816	ug/l	97
25) 2-Butanone	7.23	43	299230	246.439	ug/l	98
26) 2,2-Dichloropropane	7.21	77	320007	46.941	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	255009	48.875	ug/l	99
28) Bromochloromethane	7.55	49	147375	55.011	ug/l	97
29) Tetrahydrofuran	7.57	42	197767	256.004	ug/l	99
30) Chloroform	7.71	83	406309	50.047	ug/l	99
31) Cyclohexane	7.98	56	348665	51.040	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	365460	48.555	ug/l	100
36) 1,1-Dichloropropene	8.11	75	312448	48.326	ug/l	99
37) Ethyl Acetate	7.30	43	141731	51.663	ug/l	99
38) Carbon Tetrachloride	8.10	117	338692	49.634	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	381059	47.513	ug/l	98
40) Benzene	8.35	78	886359	49.360	ug/l	100
41) Methacrylonitrile	7.54	41	80024	50.864	ug/l #	85
42) 1,2-Dichloroethane	8.43	62	264906	50.586	ug/l	99
43) Isopropyl Acetate	8.46	43	277229	51.395	ug/l	100
44) Trichloroethene	9.11	130	261204	48.289	ug/l	97
45) 1,2-Dichloropropane	9.39	63	215132	50.094	ug/l	99
46) Dibromomethane	9.48	93	122495	50.537	ug/l	98
47) Bromodichloromethane	9.67	83	316832	50.872	ug/l	97
48) Methyl methacrylate	9.46	41	130139	52.724	ug/l	94
49) 1,4-Dioxane	9.47	88	30959	1034.341	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	690298	258.642	ug/l	99
52) Toluene	10.40	92	575138	49.145	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	301085	50.726	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	354617	50.291	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	165819	49.961	ug/l	98
56) Ethyl methacrylate	10.67	69	220241	52.028	ug/l	98
57) 1,3-Dichloropropane	10.95	76	280021	49.563	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	387502	229.632	ug/l	98
59) 2-Hexanone	10.99	43	463942	250.516	ug/l	98
60) Dibromochloromethane	11.14	129	224499	49.889	ug/l	98
61) 1,2-Dibromoethane	11.25	107	166665	50.294	ug/l	98
64) Tetrachloroethene	10.88	164	226722	49.499	ug/l	99
65) Chlorobenzene	11.67	112	611169	48.787	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	237126	51.132	ug/l	98
67) Ethyl Benzene	11.75	91	1089644	48.887	ug/l	100
68) m/p-Xylenes	11.86	106	844360	99.353	ug/l	100
69) o-Xylene	12.18	106	388302	49.472	ug/l	100
70) Styrene	12.20	104	685648	50.269	ug/l	99
71) Bromoform	12.37	173	140084	50.489	ug/l #	98
73) Isopropylbenzene	12.48	105	1034101	48.458	ug/l	100
74) N-amyl acetate	12.30	43	256159	52.888	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	175230	49.654	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	232548	95.303	ug/l #	100
77) Bromobenzene	12.77	156	267977	50.851	ug/l	98
78) n-propylbenzene	12.83	91	1204397	48.915	ug/l	100
79) 2-Chlorotoluene	12.91	91	664472	49.045	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	856177	49.096	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	57498	51.382	ug/l	99
82) 4-Chlorotoluene	13.01	91	699291	48.749	ug/l	100
83) tert-Butylbenzene	13.23	119	742997	49.007	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	854837	48.749	ug/l	99
85) sec-Butylbenzene	13.41	105	1002944	48.199	ug/l	100
86) p-Isopropyltoluene	13.53	119	967195	49.234	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	494027	49.392	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	478023	48.408	ug/l	99
89) n-Butylbenzene	13.85	91	864864	48.479	ug/l	100
90) Hexachloroethane	14.12	117	181585	49.420	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	427594	50.023	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	28535	54.510	ug/l	97

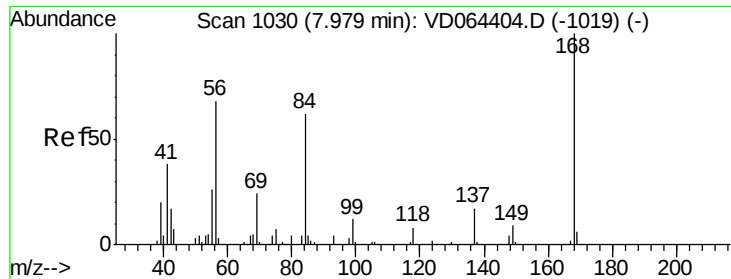
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	319390	48.789	ug/l	98
94) Hexachlorobutadiene	15.28	225	195880	48.469	ug/l	99
95) Naphthalene	15.41	128	558874	51.155	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	278887	49.908	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Instrument :

MSVOA_D

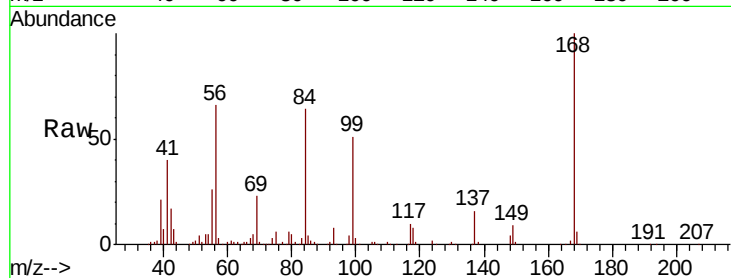
ClientSampleId :

Tot Ion:168 Resp: 469398

Ion Ratio Lower Upper

168 100

99 50.8 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

200000

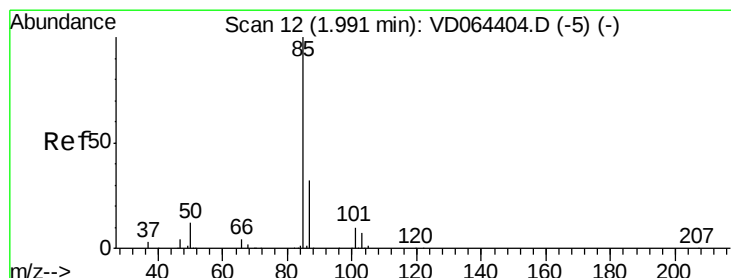
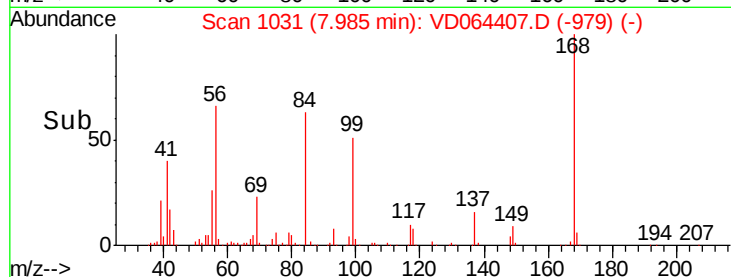
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.604 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064407.D

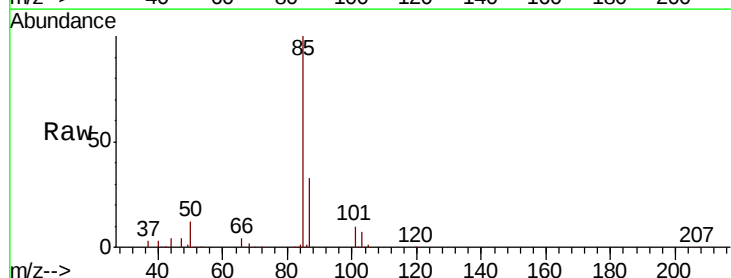
Acq: 27 Nov 2019 21:10

Tgt Ion: 85 Resp: 198214

Ion Ratio Lower Upper

85 100

87 32.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

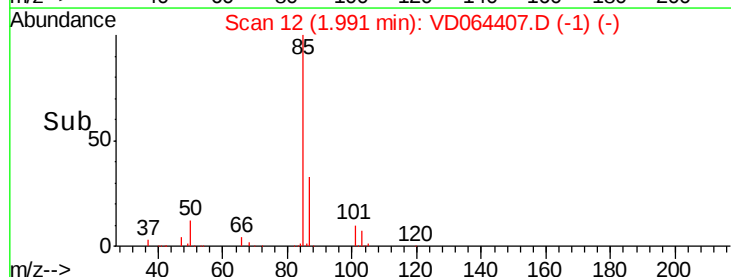
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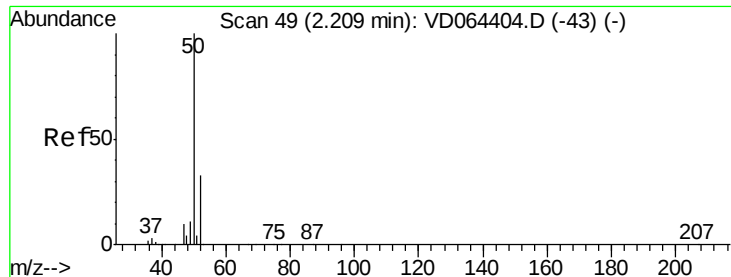
100000

50000

0

Time-->





#3

Chloromethane

Concen: 48.416 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Instrument :

MSVOA_D

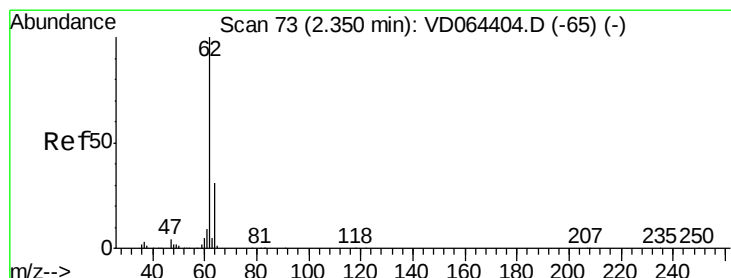
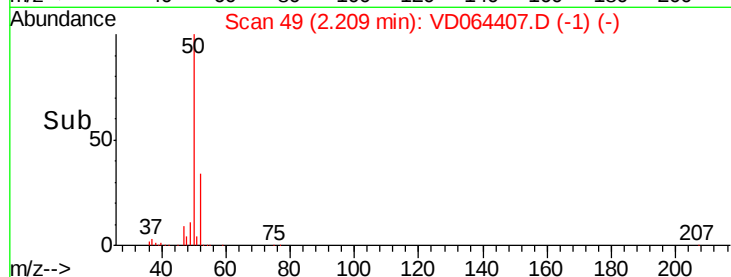
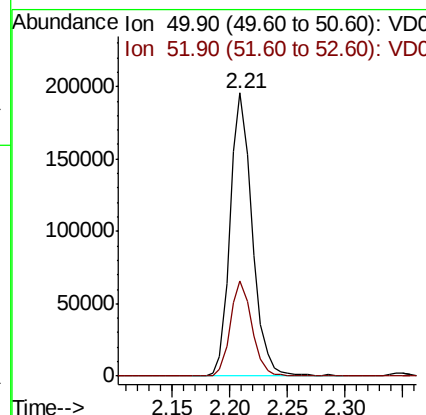
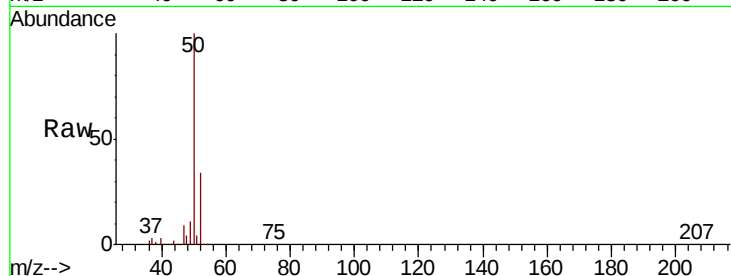
ClientSampleId :

Tot Ion: 50 Resp: 259727

Ion Ratio Lower Upper

50 100

52 33.8 26.7 40.1



#4

Vinyl Chloride

Concen: 48.017 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064407.D

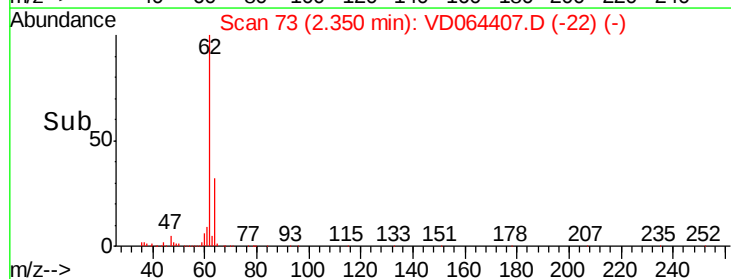
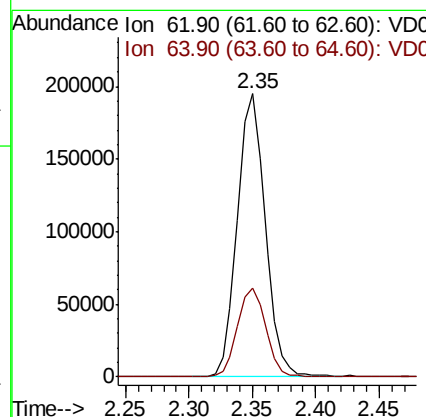
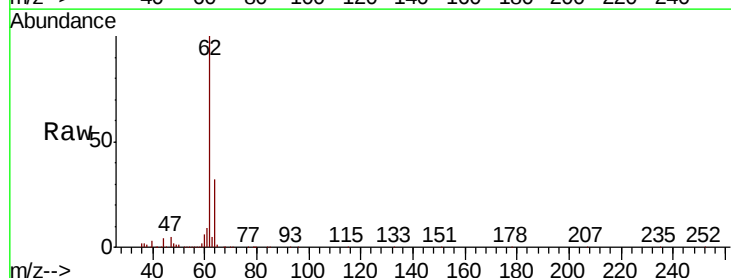
Acq: 27 Nov 2019 21:10

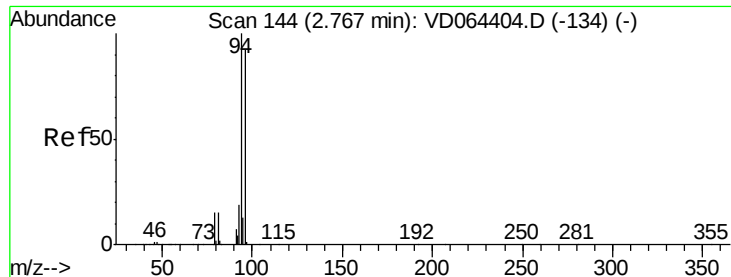
Tgt Ion: 62 Resp: 297409

Ion Ratio Lower Upper

62 100

64 31.5 25.0 37.4





#5

Bromomethane

Concen: 48.273 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Instrument :

MSVOA_D

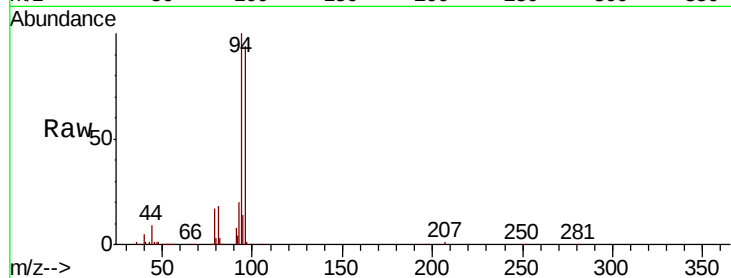
ClientSampleId :

Tot Ion: 94 Resp: 221113

Ion Ratio Lower Upper

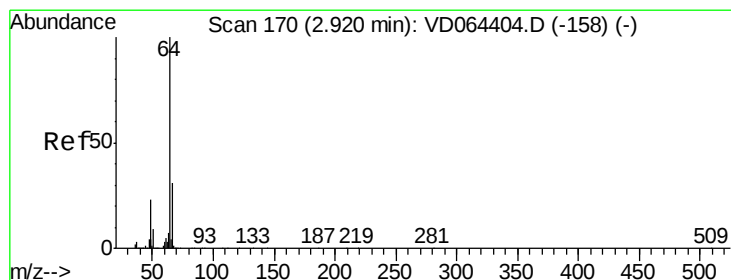
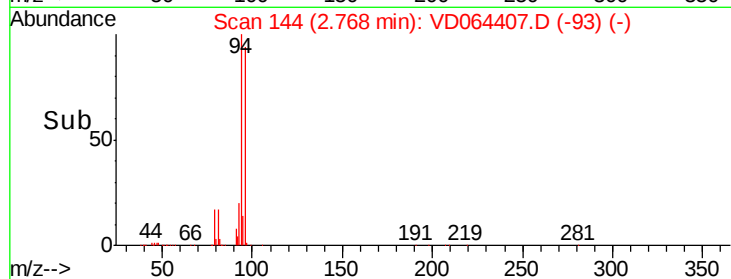
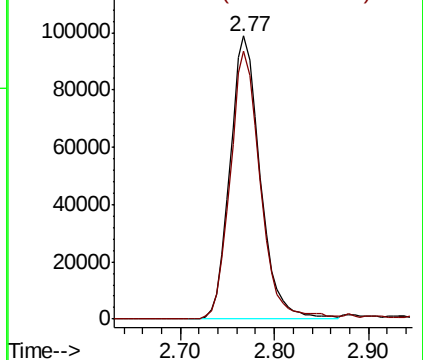
94 100

96 94.3 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: 48.650 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064407.D

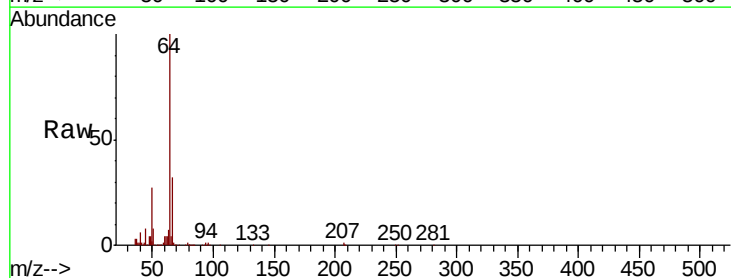
Acq: 27 Nov 2019 21:10

Tgt Ion: 64 Resp: 201411

Ion Ratio Lower Upper

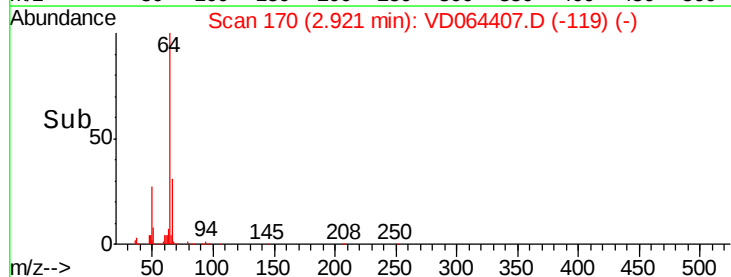
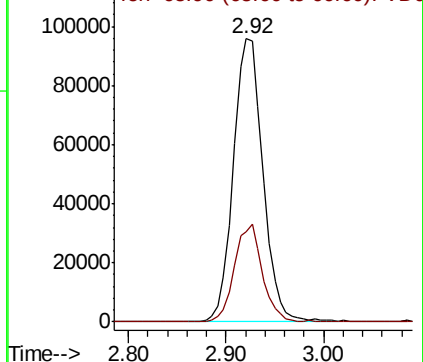
64 100

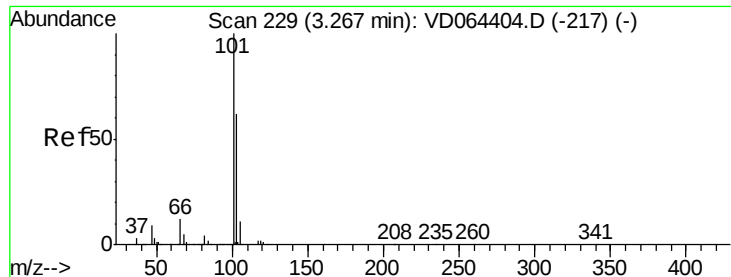
66 31.7 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



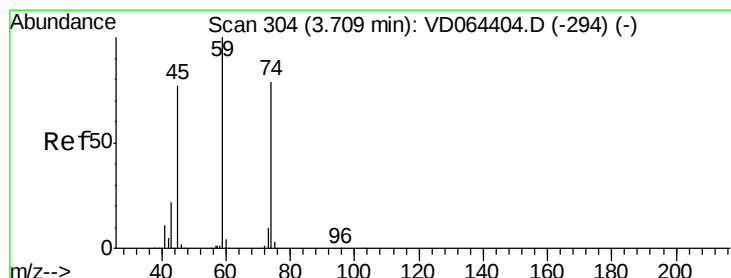
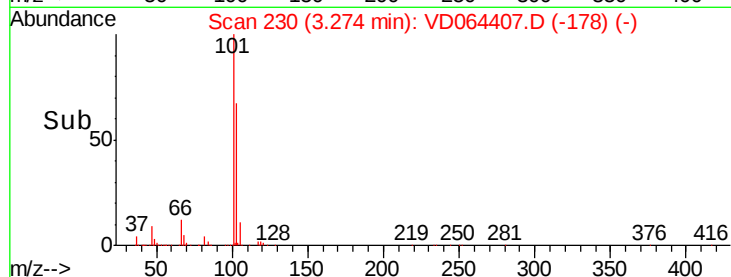
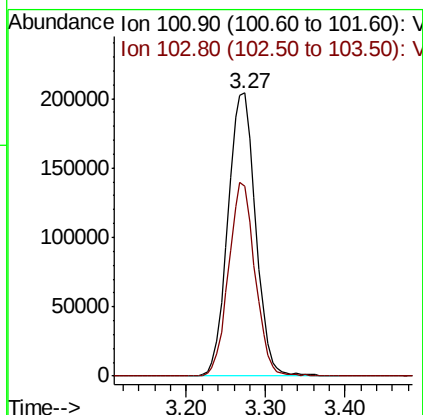
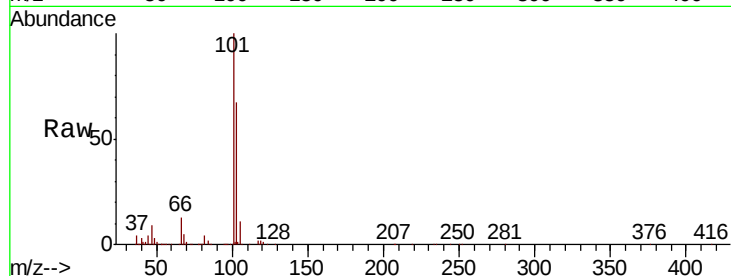


#7

Trichlorofluoromethane
 Concen: 47.906 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064407.D
 Acq: 27 Nov 2019 21:10

Instrument :
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 ClientSampleId :

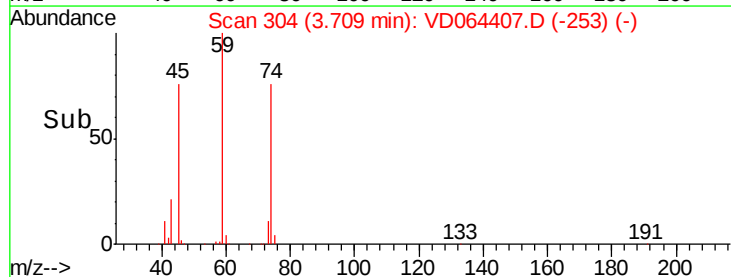
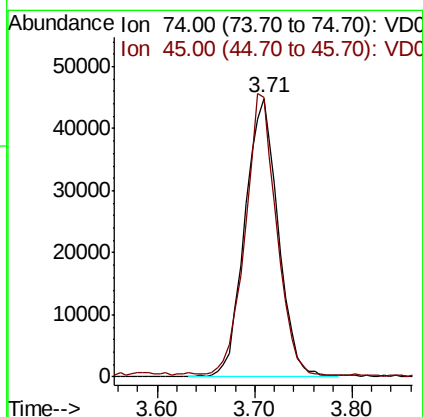
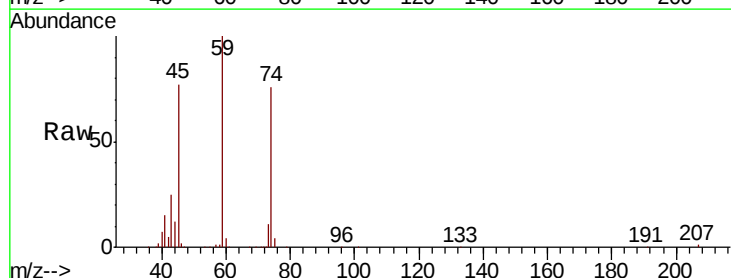
Tot Ion:101 Resp: 493280
 Ion Ratio Lower Upper
 101 100
 103 67.1 49.8 74.6

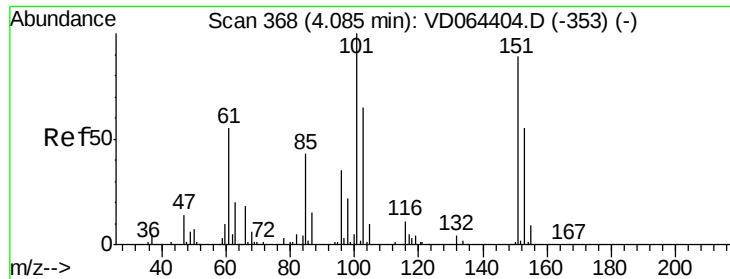


#8

Diethyl Ether
 Concen: 50.006 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064407.D
 Acq: 27 Nov 2019 21:10

Tgt Ion: 74 Resp: 106997
 Ion Ratio Lower Upper
 74 100
 45 95.4 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.098 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

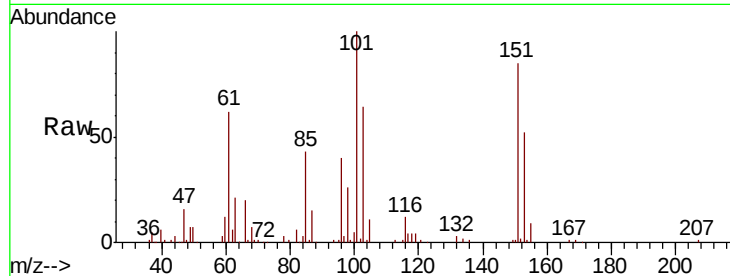
Tot Ion:101 Resp: 207933

Ion Ratio Lower Upper

101 100

85 43.7 34.8 52.2

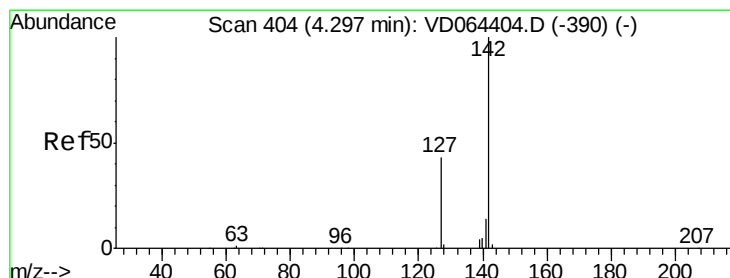
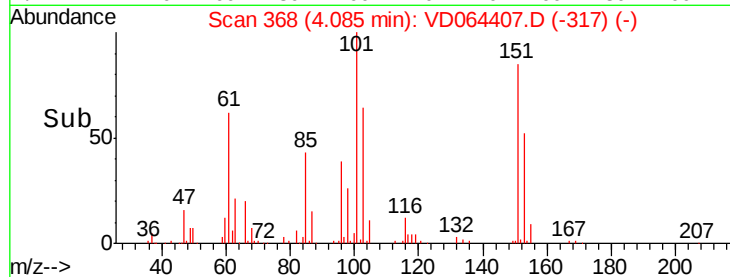
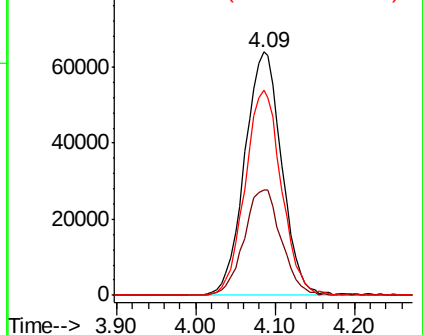
151 82.9 68.8 103.2



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: 52.381 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

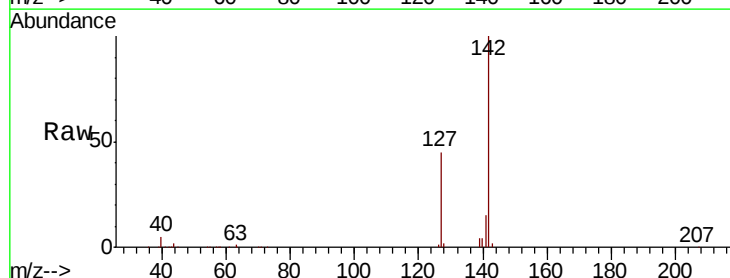
Tgt Ion:142 Resp: 244217

Ion Ratio Lower Upper

142 100

127 45.2 35.3 52.9

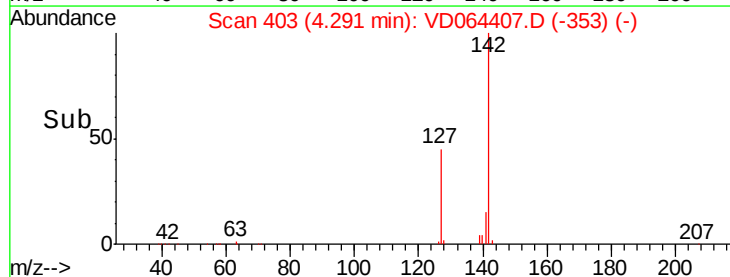
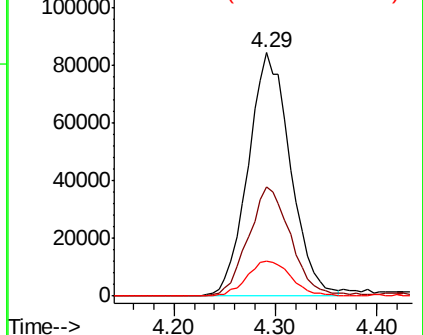
141 15.2 11.6 17.4

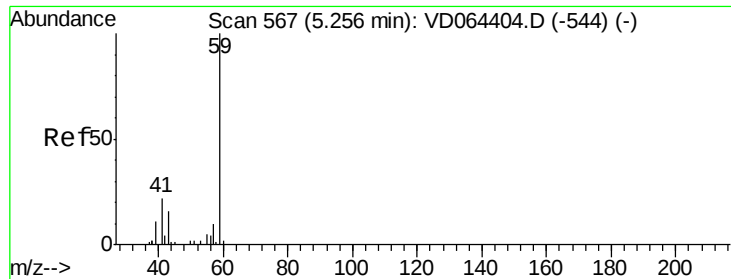


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



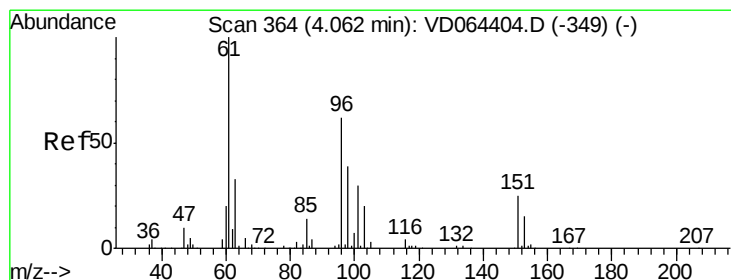
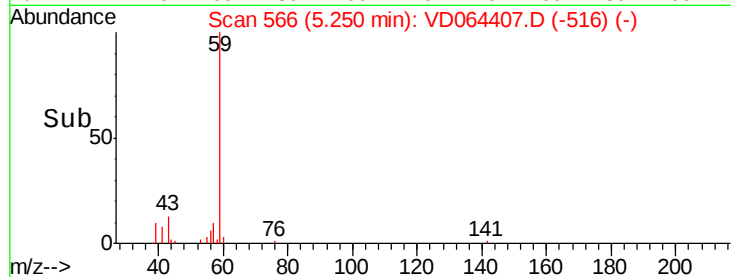
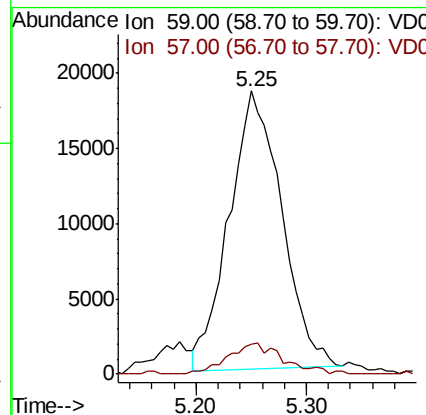
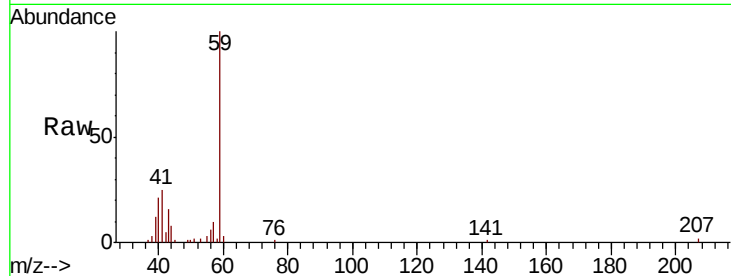


#11

Tert butyl alcohol
Concen: 227.688 ug/l
RT: 5.25 min Scan# 566
Delta R.T. -0.01 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :

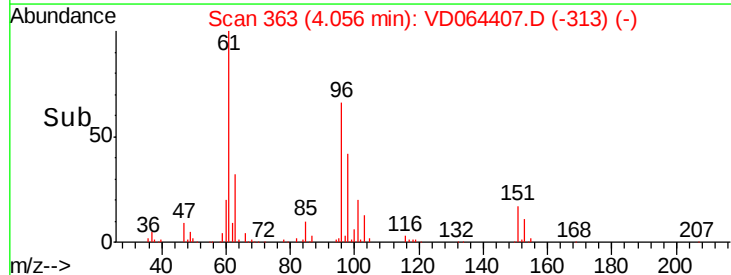
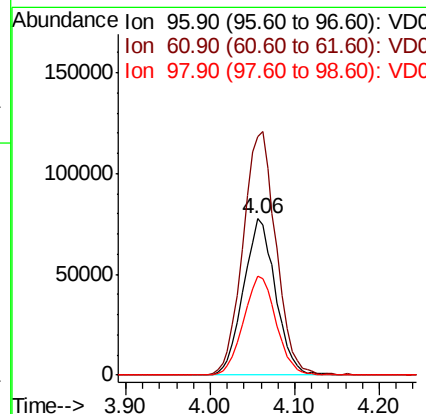
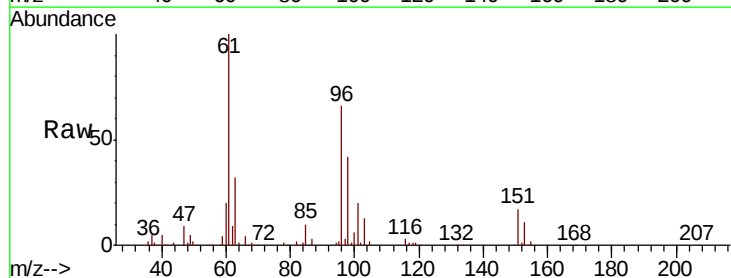
Tot Ion: 59 Resp: 61579
Ion Ratio Lower Upper
59 100
57 11.8 0.0 0.0#

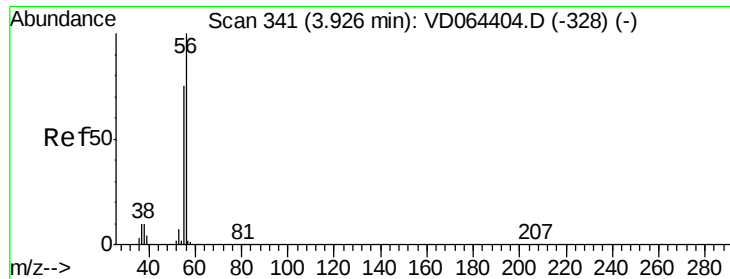


#12

1,1-Dichloroethene
Concen: 48.227 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Tgt Ion: 96 Resp: 204046
Ion Ratio Lower Upper
96 100
61 152.5 128.2 192.4
98 63.6 50.4 75.6





#13

Acrolein

Concen: 247.518 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Instrument :

MSVOA_D

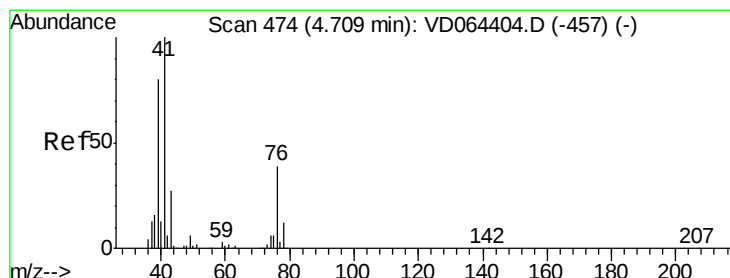
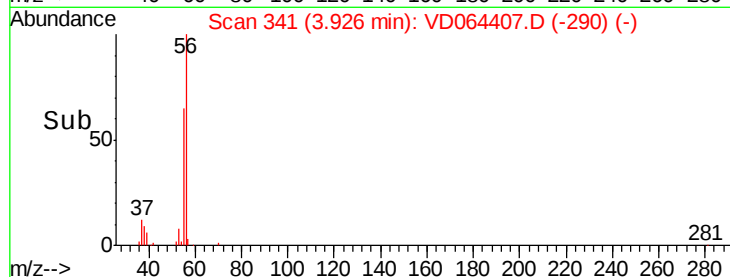
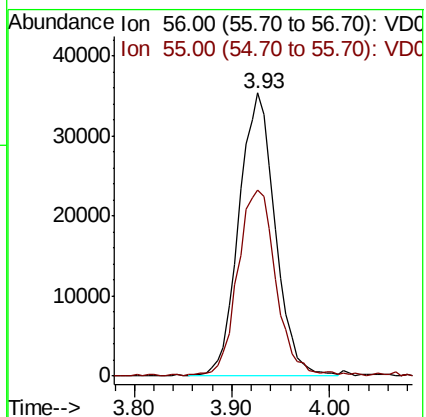
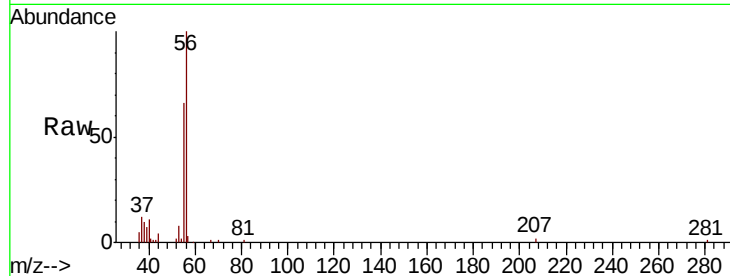
ClientSampleId :

Tot Ion: 56 Resp: 91308

Ion Ratio Lower Upper

56 100

55 69.9 56.9 85.3



#14

Allyl chloride

Concen: 49.198 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

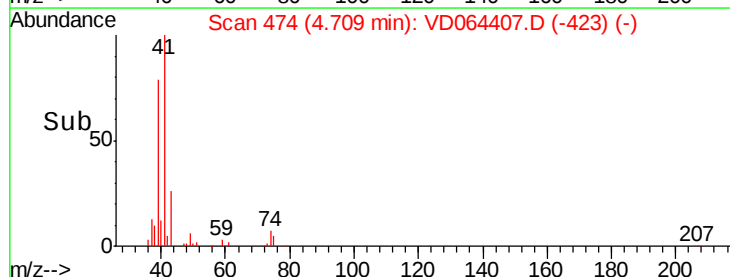
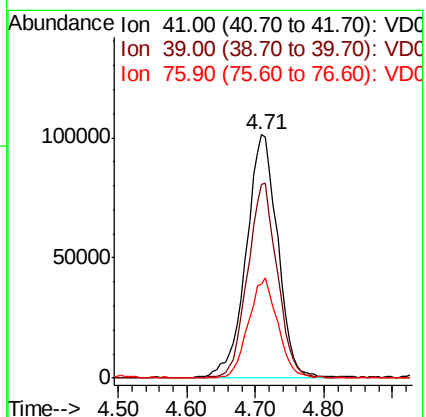
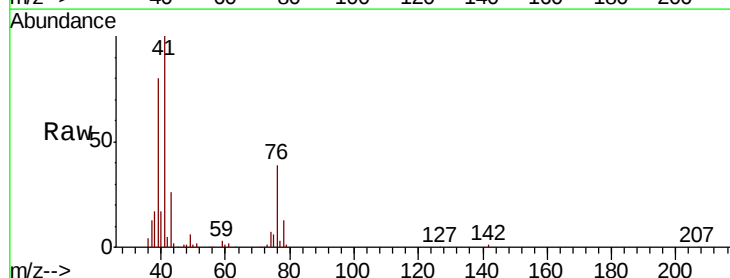
Tgt Ion: 41 Resp: 324847

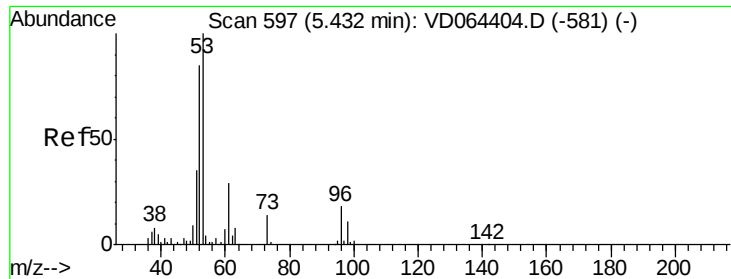
Ion Ratio Lower Upper

41 100

39 75.6 62.1 93.1

76 37.4 29.8 44.8





#15

Acrylonitrile

Concen: 254.123 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

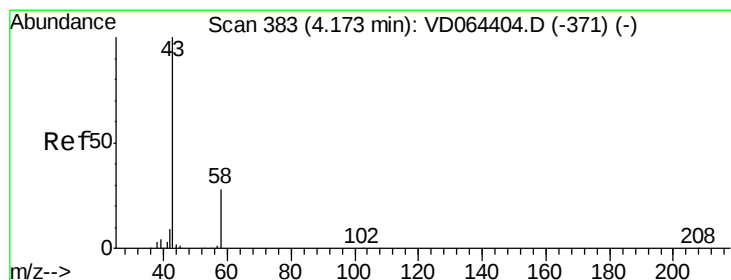
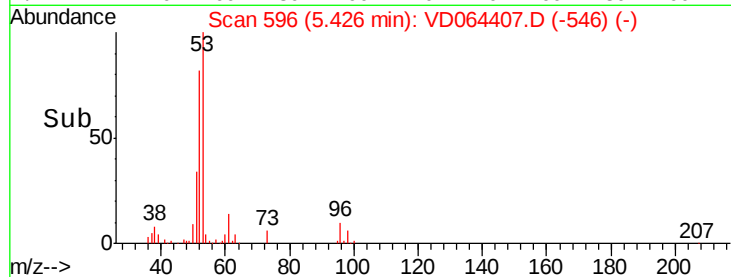
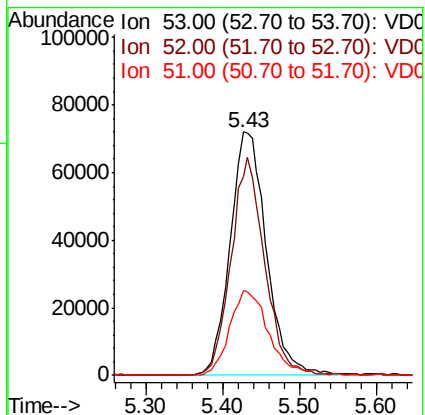
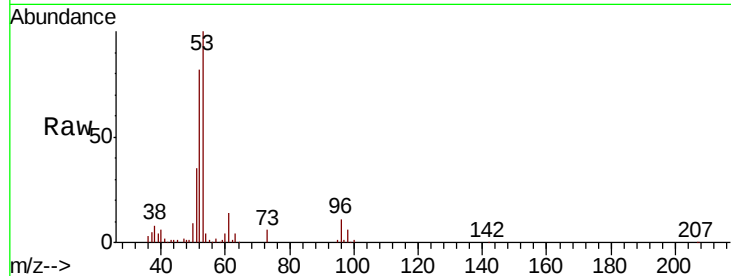
Tot Ion: 53 Resp: 237773

Ion Ratio Lower Upper

53 100

52 82.4 67.9 101.9

51 37.1 30.6 45.8



#16

Acetone

Concen: 217.131 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.01 min

Lab File: VD064407.D

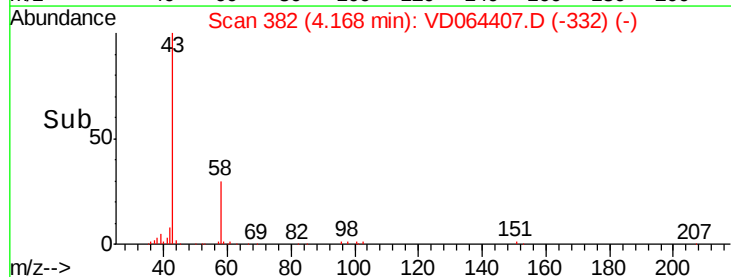
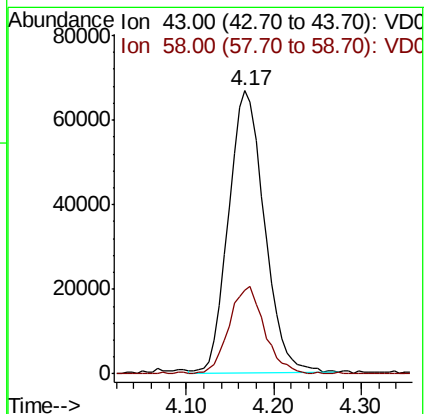
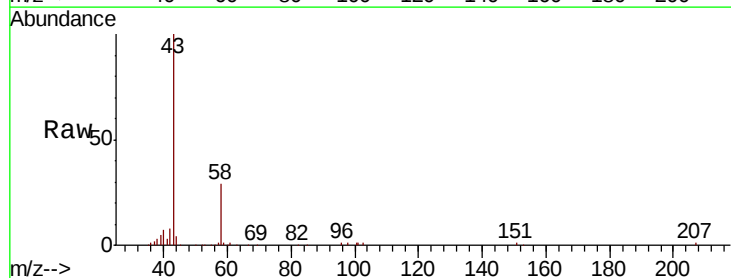
Acq: 27 Nov 2019 21:10

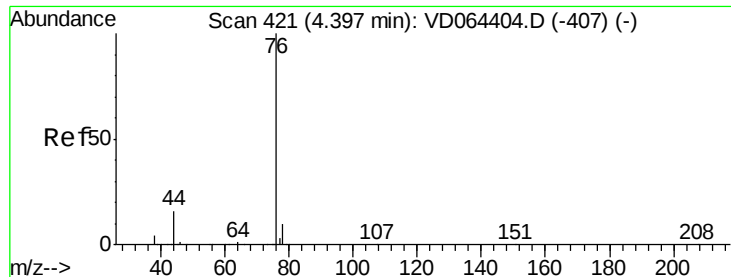
Tgt Ion: 43 Resp: 186425

Ion Ratio Lower Upper

43 100

58 29.6 22.6 33.8

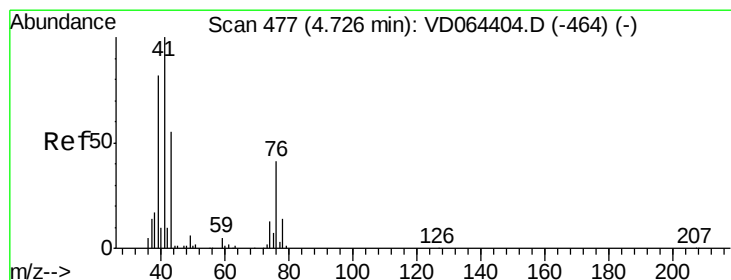
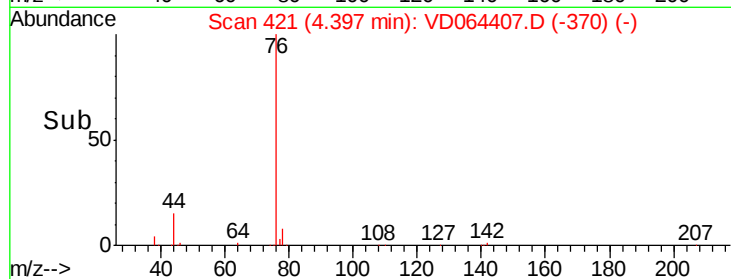
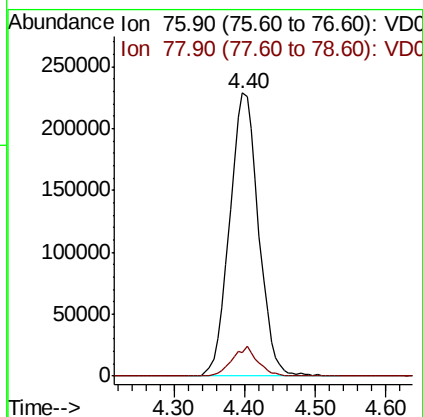
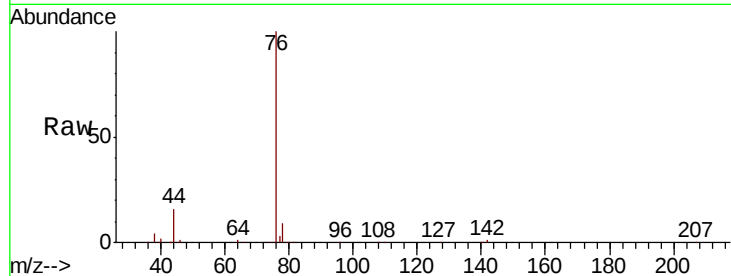




#17
Carbon Disulfide
Concen: 48.607 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

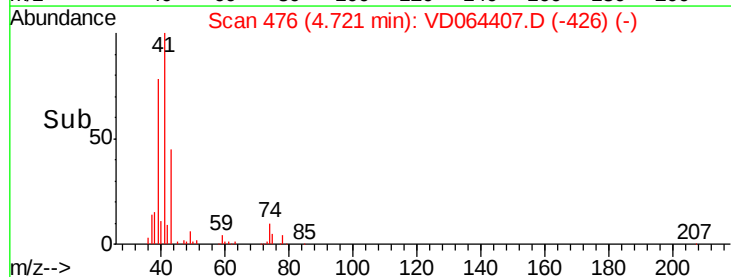
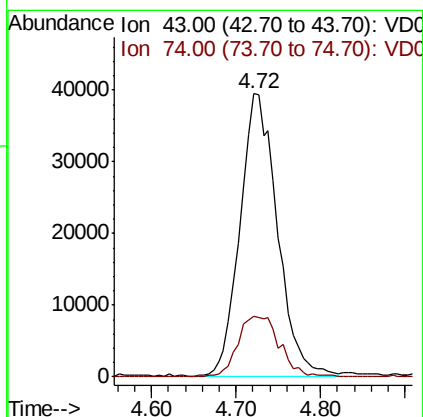
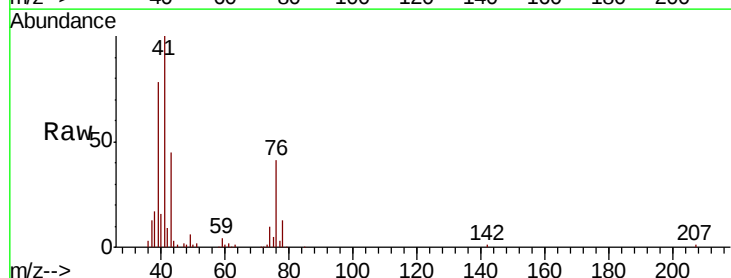
Instrument :
MSVOA_D
ClientSampleId :

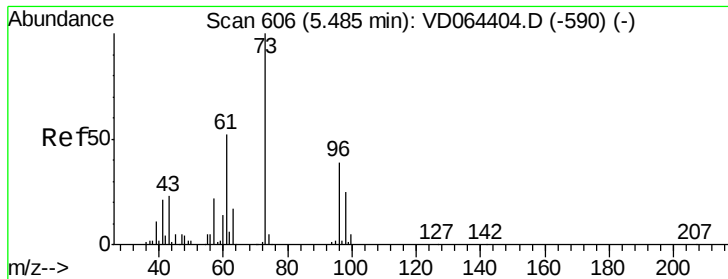
Tot Ion: 76 Resp: 651335
Ion Ratio Lower Upper
76 100
78 8.5 7.8 11.8



#18
Methyl Acetate
Concen: 48.671 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Tgt Ion: 43 Resp: 121894
Ion Ratio Lower Upper
43 100
74 23.7 19.7 29.5

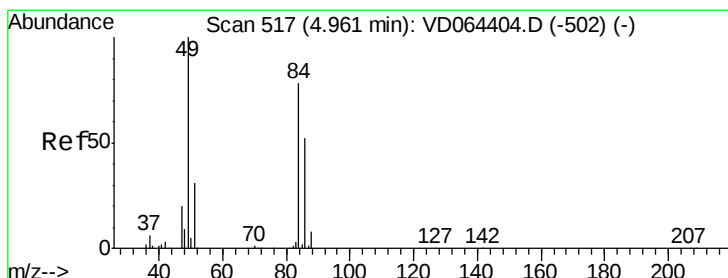
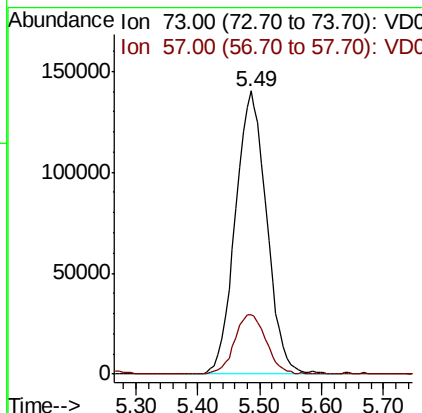
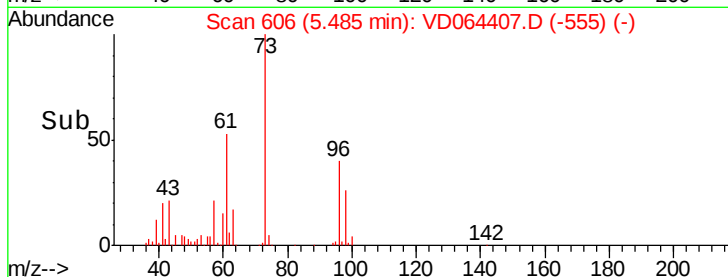
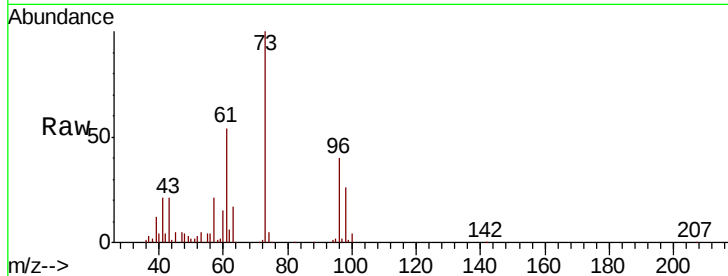




#19
Methvl tert-butvl Ether
Concen: 50.747 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

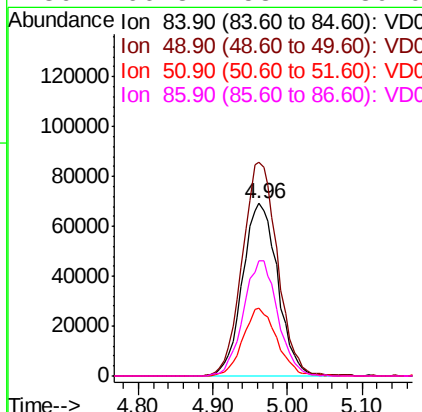
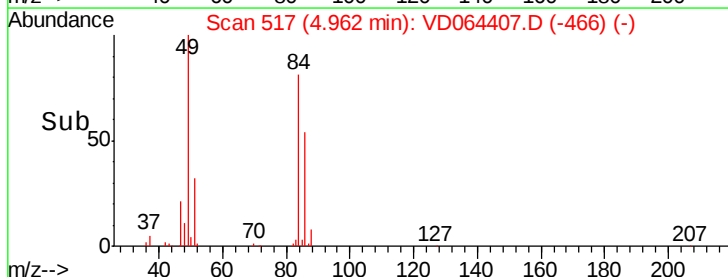
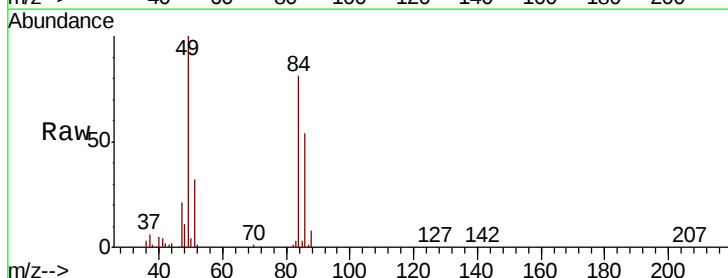
Instrument :
MSVOA_D
ClientSampleId :

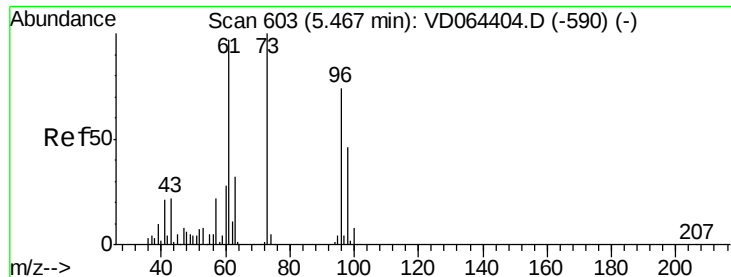
Tot Ion: 73 Resp: 492508
Ion Ratio Lower Upper
73 100
57 20.9 17.6 26.4



#20
Methylene Chloride
Concen: 52.137 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Tgt Ion: 84 Resp: 226617
Ion Ratio Lower Upper
84 100
49 123.8 102.6 153.8
51 39.0 32.0 48.0
86 66.8 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 49.161 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

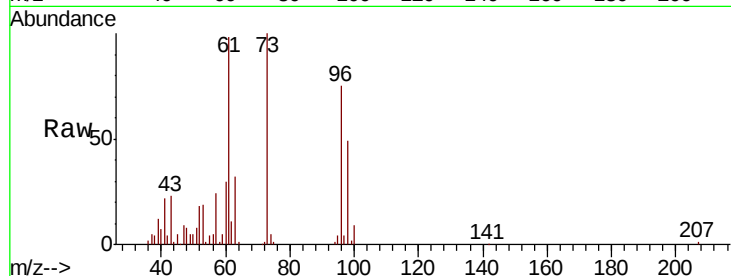
Tot Ion: 96 Resp: 235276

Ion Ratio Lower Upper

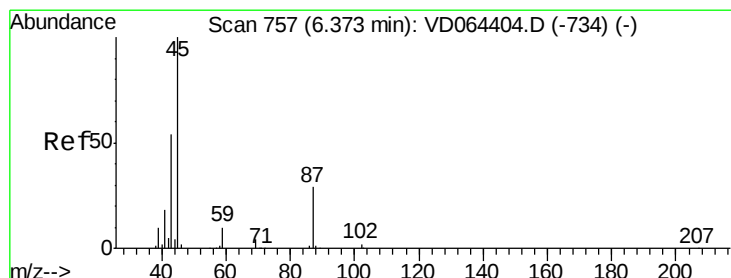
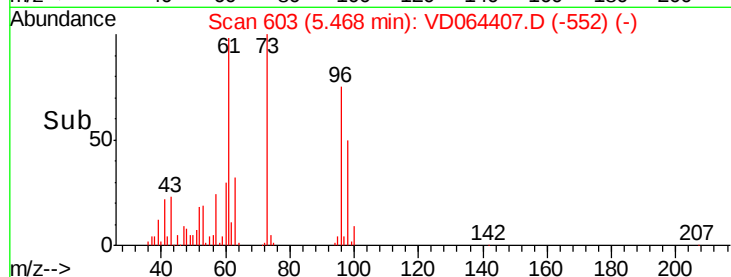
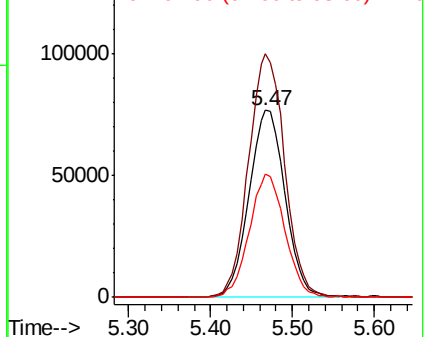
96 100

61 130.4 105.8 158.6

98 65.8 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: 50.106 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Tgt Ion: 45 Resp: 653133

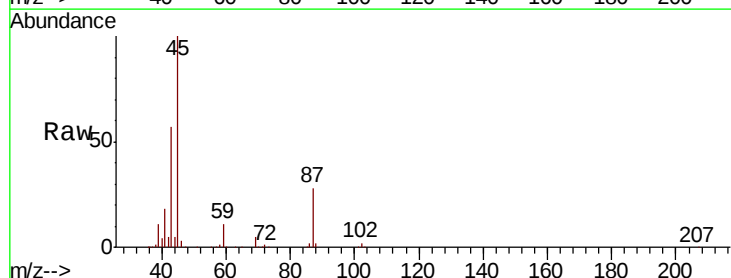
Ion Ratio Lower Upper

45 100

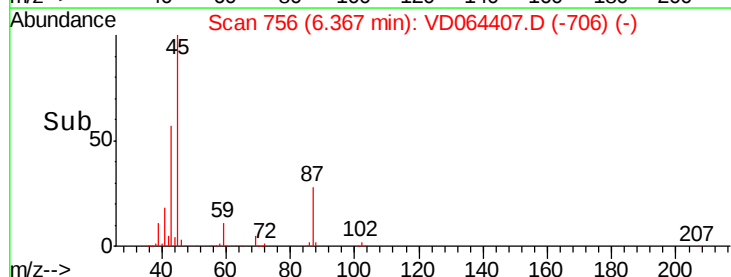
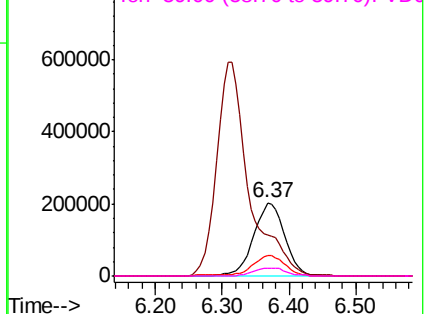
43 55.9 43.1 64.7

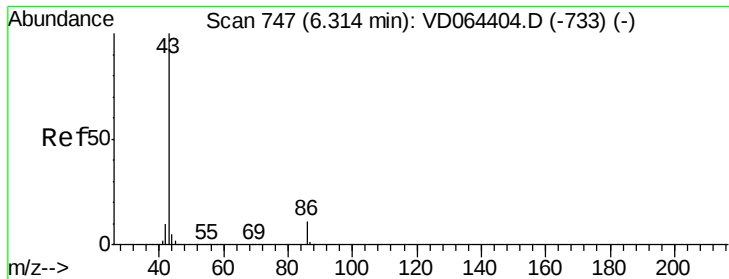
87 27.7 23.5 35.3

59 11.2 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: 262.761 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

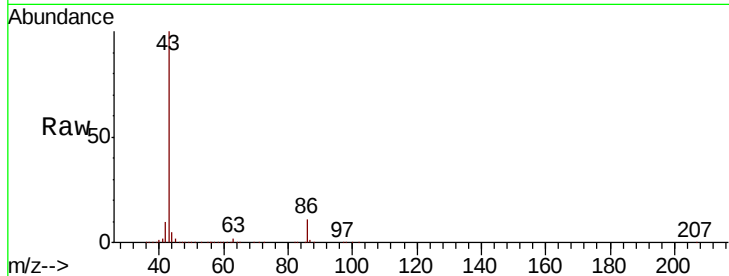
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 2019196

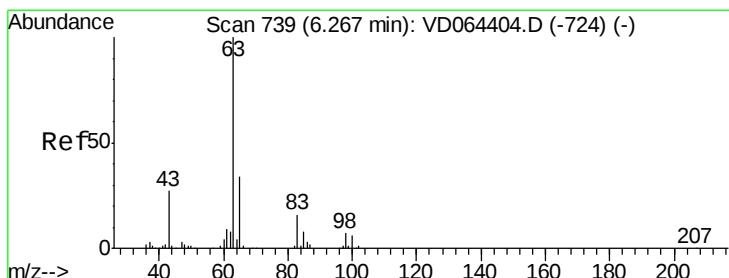
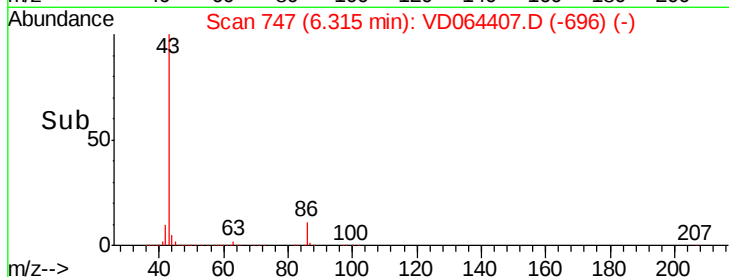
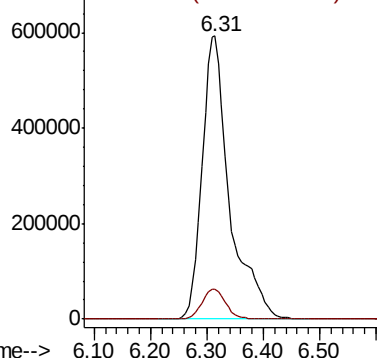
Ion Ratio Lower Upper

43 100

86 10.6 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 49.816 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

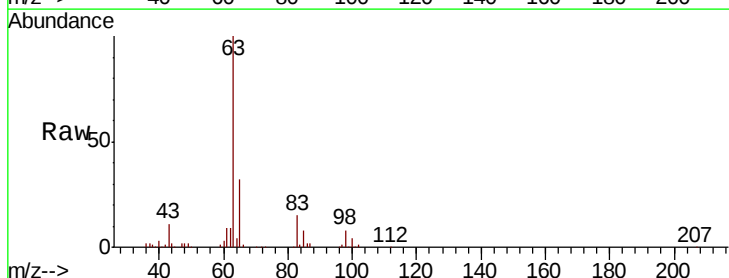
Tgt Ion: 63 Resp: 390509

Ion Ratio Lower Upper

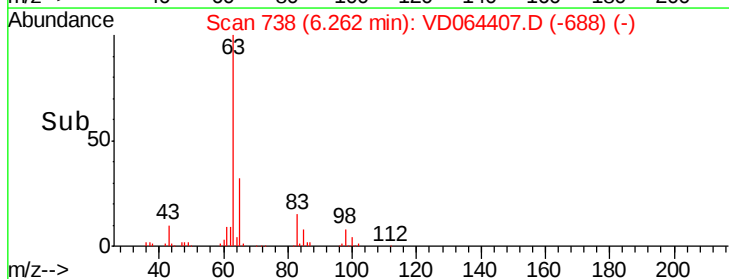
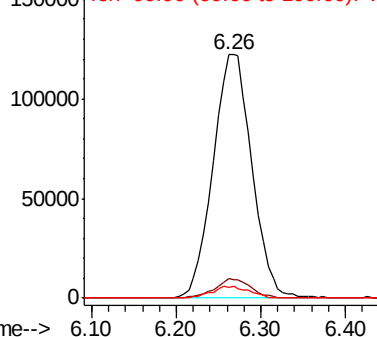
63 100

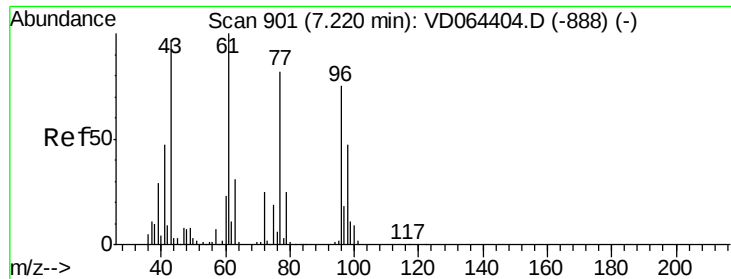
98 7.9 3.6 10.9

100 4.2 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





#25

2-Butanone

Concen: 246.439 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

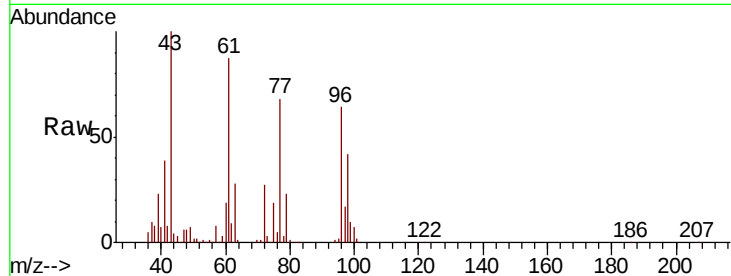
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 299230

Ion Ratio Lower Upper

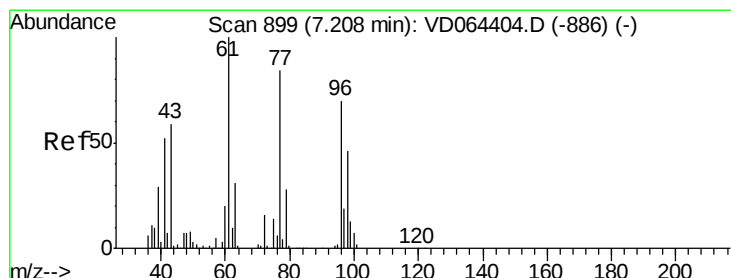
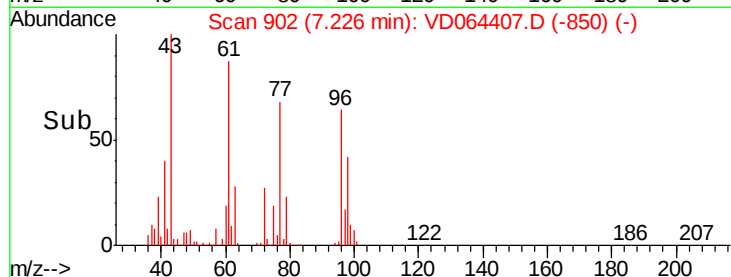
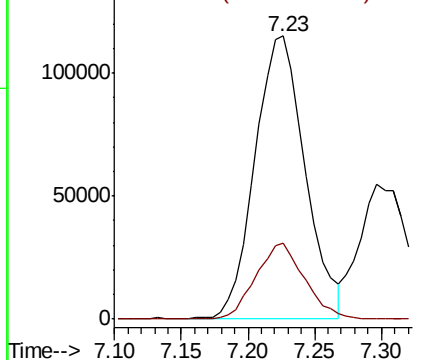
43 100

72 27.1 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 46.941 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064407.D

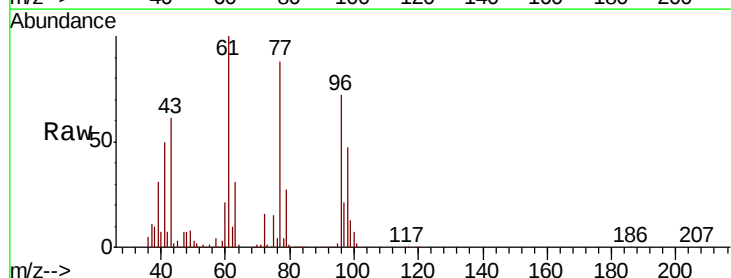
Acq: 27 Nov 2019 21:10

Tgt Ion: 77 Resp: 320007

Ion Ratio Lower Upper

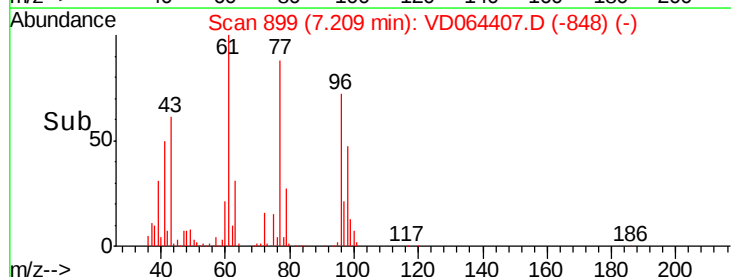
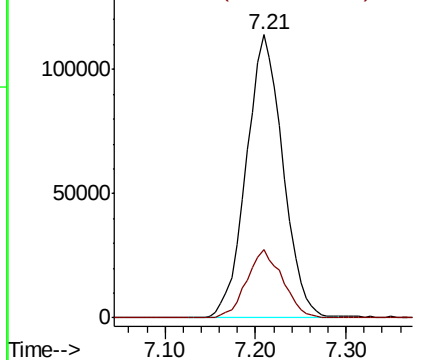
77 100

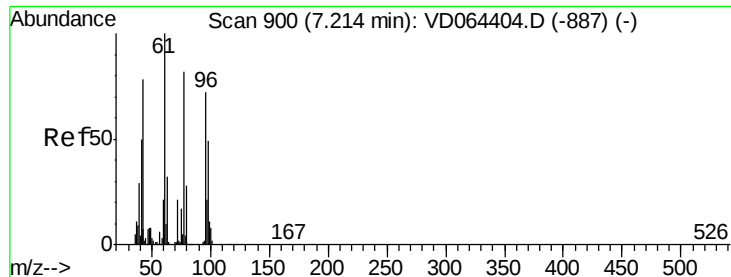
97 23.6 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



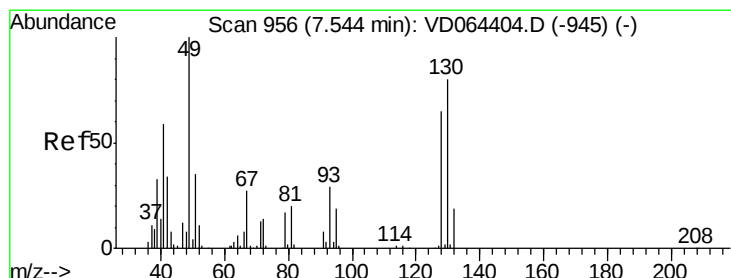
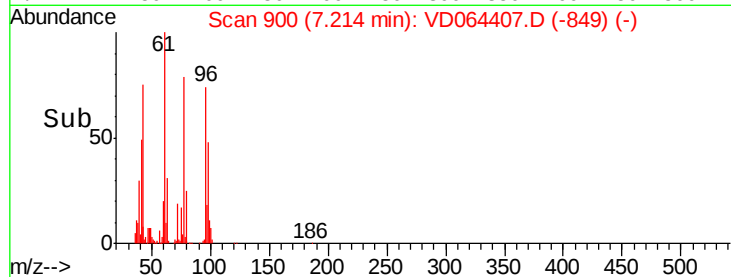
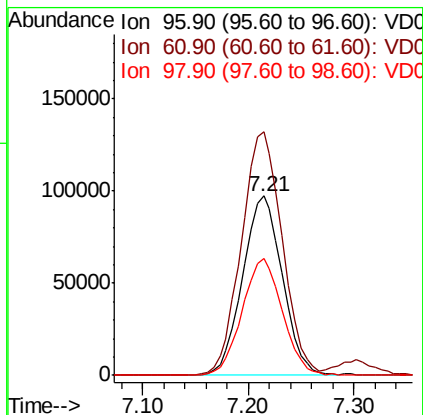
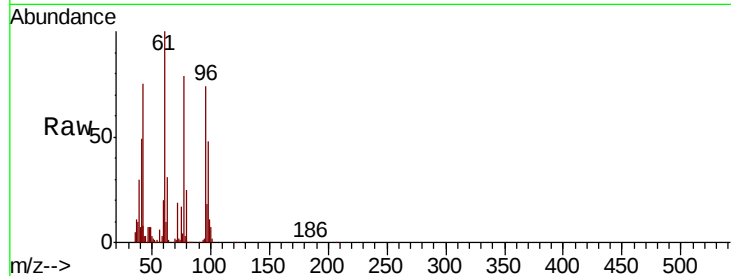


#27

cis-1,2-Dichloroethene
Concen: 48.875 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :

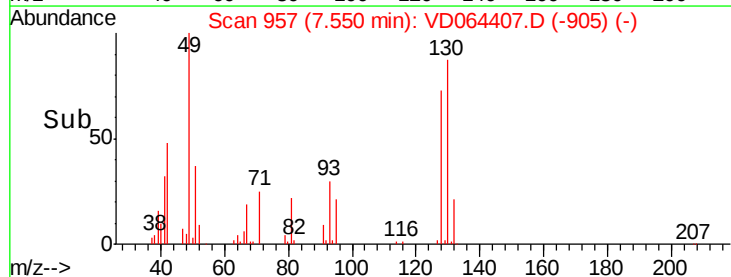
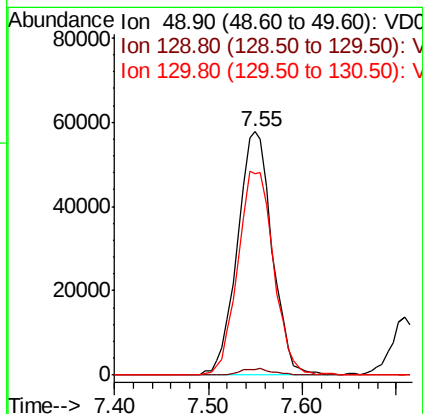
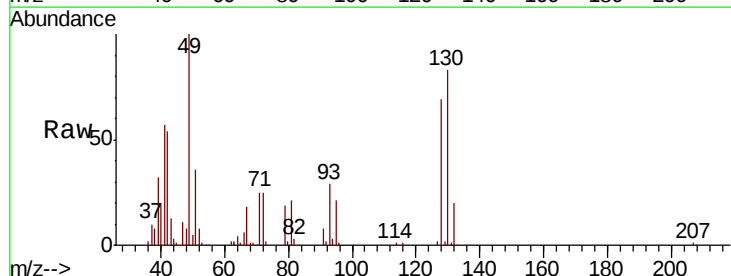
Tot Ion	Ratio	Lower	Upper
96	100		
61	139.2	0.0	279.6
98	65.8	0.0	129.2

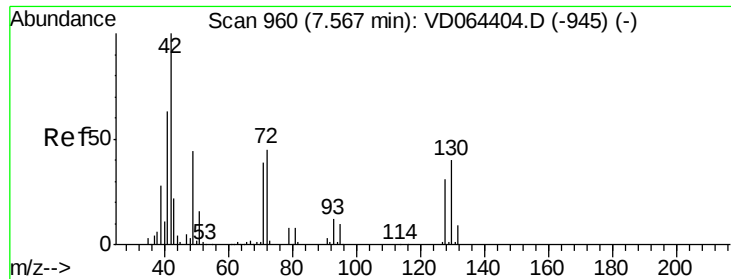


#28

Bromochloromethane
Concen: 55.011 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.4
130	86.6	67.4	101.0

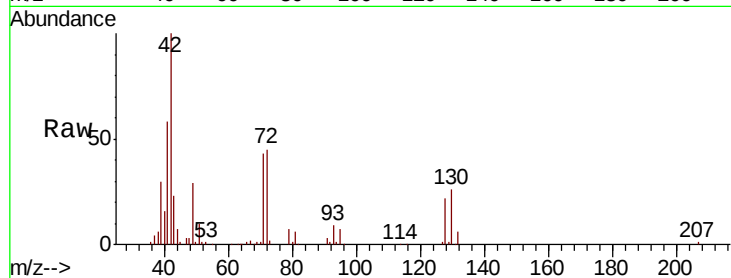




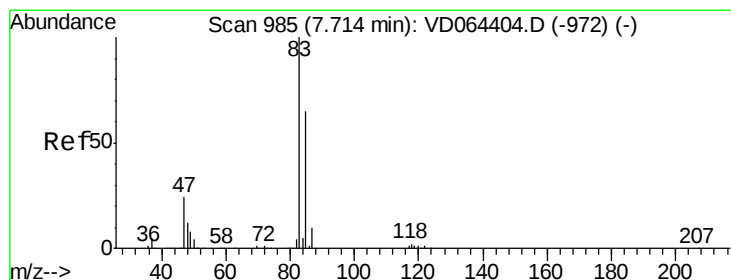
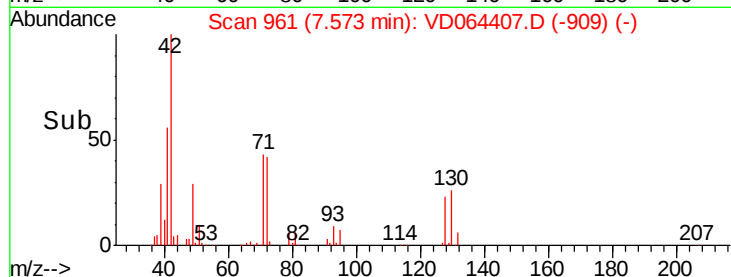
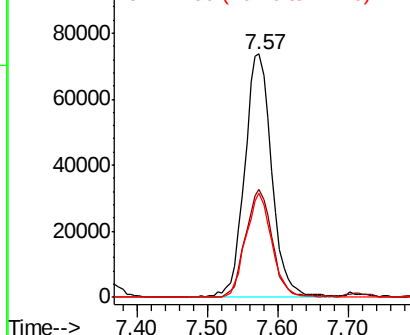
#29
Tetrahydrofuran
Concen: 256.004 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 197767
Ion Ratio Lower Upper
42 100
72 43.6 35.8 53.8
71 40.9 32.7 49.1

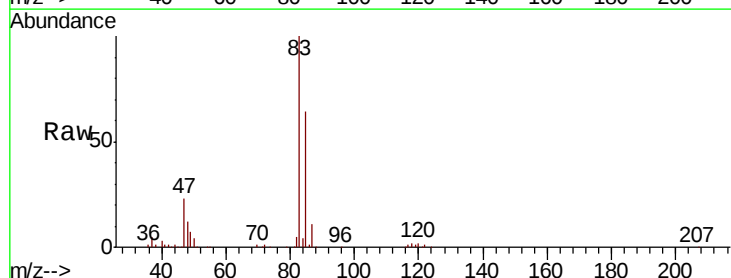


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

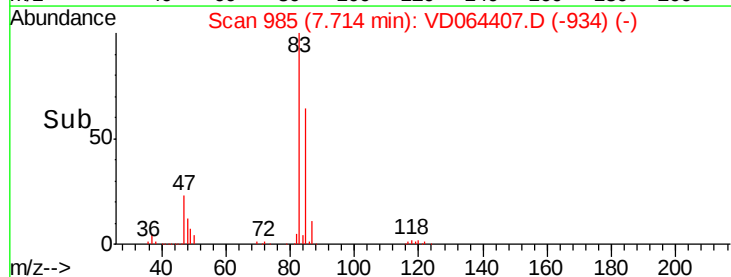
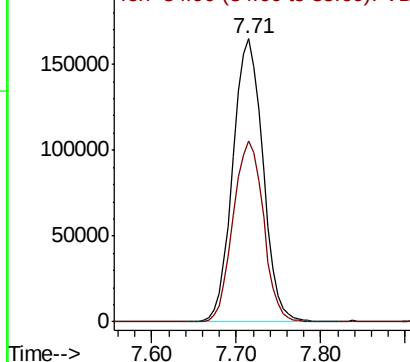


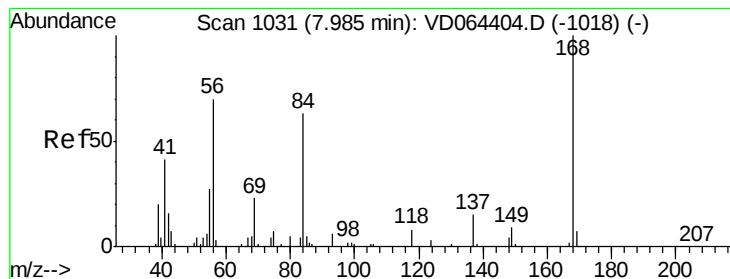
#30
Chloroform
Concen: 50.047 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Tgt Ion: 83 Resp: 406309
Ion Ratio Lower Upper
83 100
85 64.0 51.8 77.6



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





#31

Cyclohexane

Concen: 51.040 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

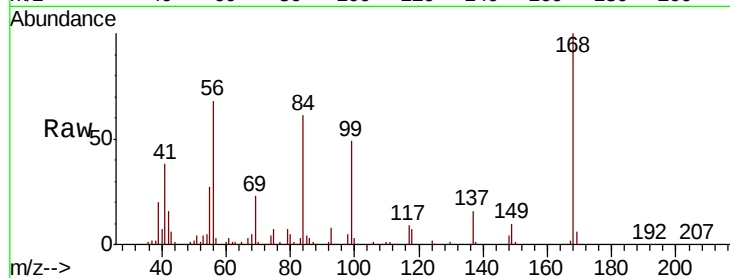
Tot Ion: 56 Resp: 348665

Ion Ratio Lower Upper

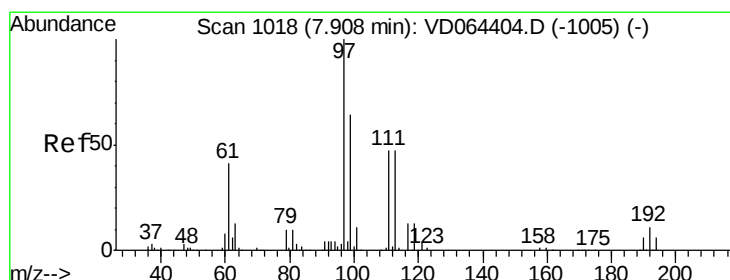
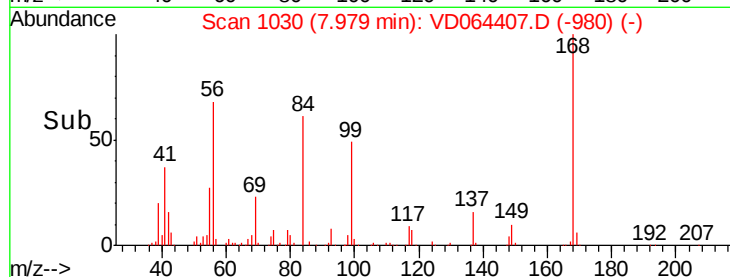
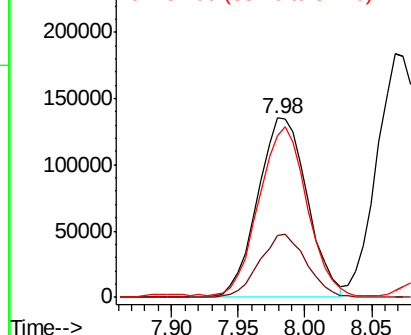
56 100

69 34.3 26.2 39.4

84 89.1 70.3 105.5



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



#32

1,1,1-Trichloroethane

Concen: 48.555 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

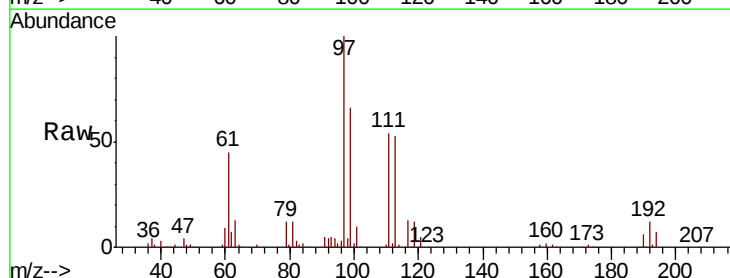
Tgt Ion: 97 Resp: 365460

Ion Ratio Lower Upper

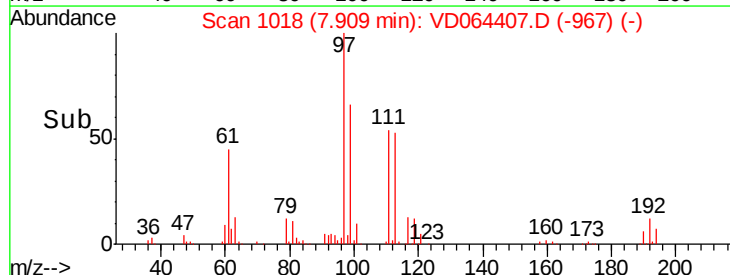
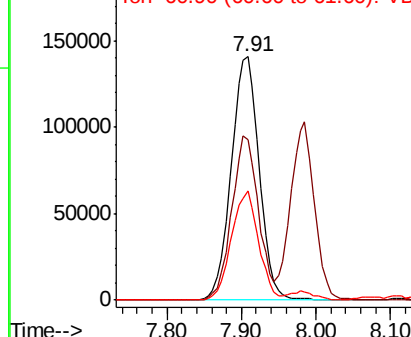
97 100

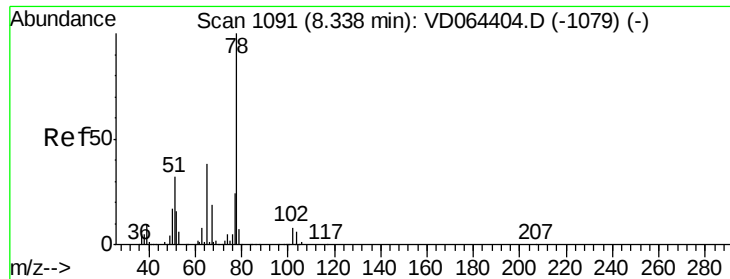
99 64.6 51.4 77.2

61 43.8 35.0 52.4



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





#33

1,2-Dichloroethane-d4

Concen: 51.535 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Instrument :

MSVOA_D

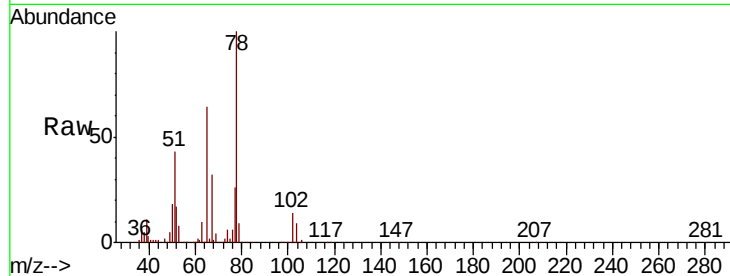
ClientSampleId :

Tot Ion: 65 Resp: 218958

Ion Ratio Lower Upper

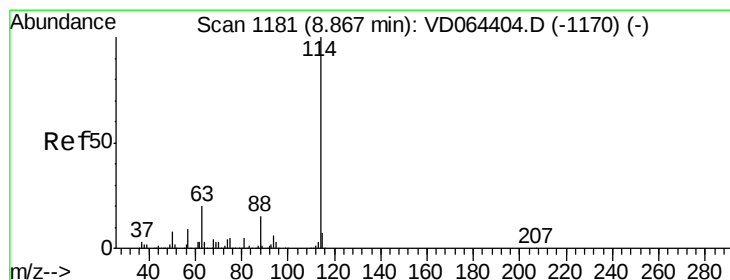
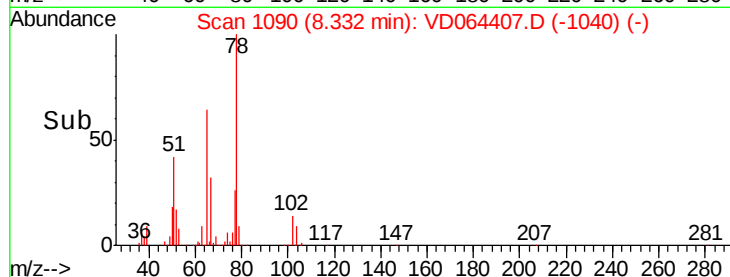
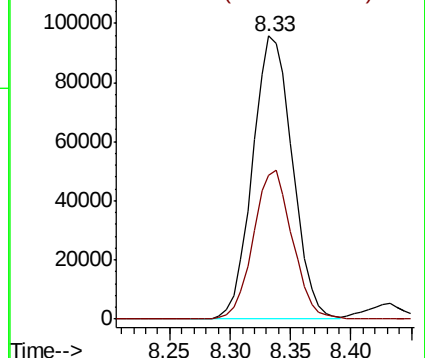
65 100

67 51.6 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

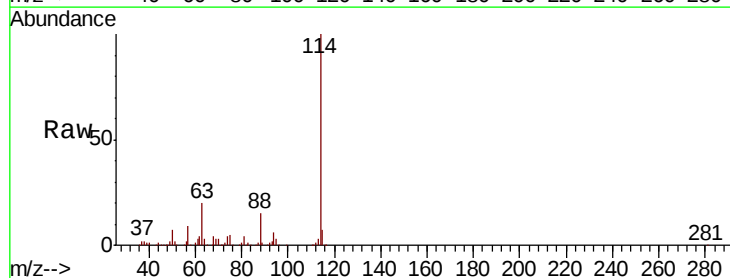
Tgt Ion: 114 Resp: 683546

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.0

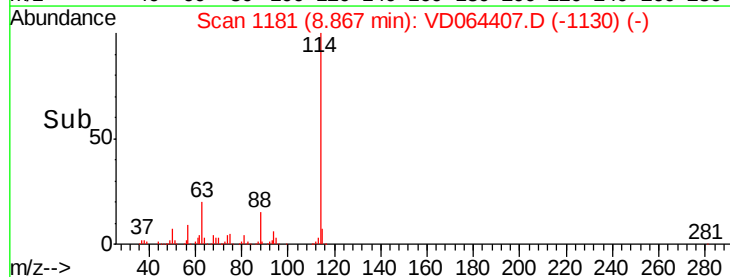
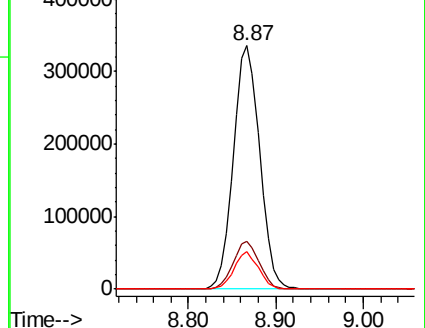
88 15.4 0.0 29.2

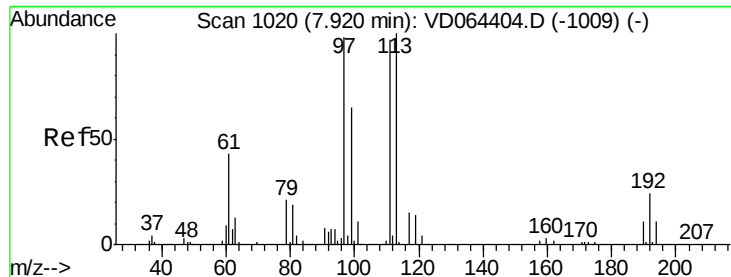


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

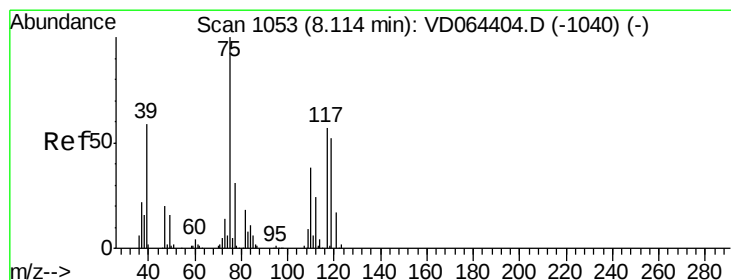
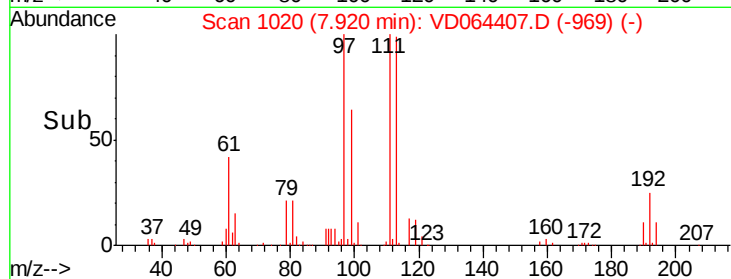
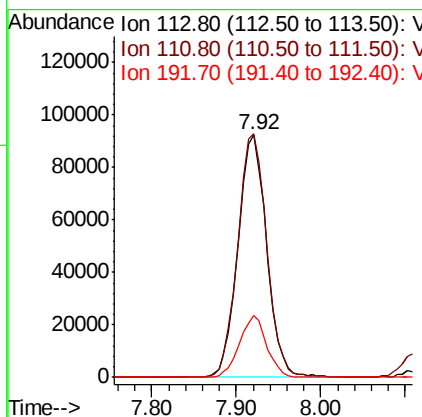
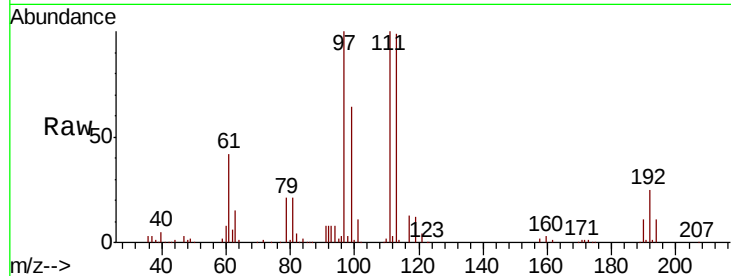




#35
 Dibromofluoromethane
 Concen: 50.415 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064407.D
 Acq: 27 Nov 2019 21:10

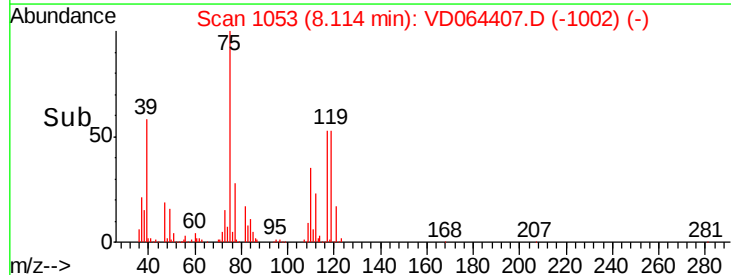
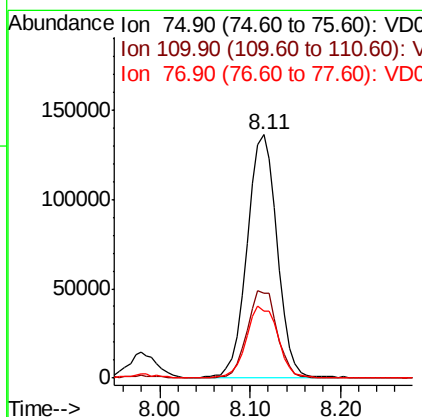
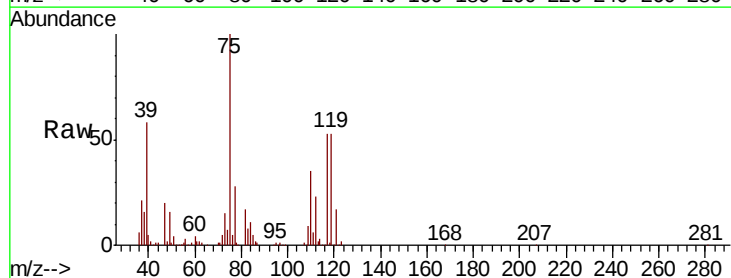
Instrument :
 MSVOA_D
 ClientSampleId :

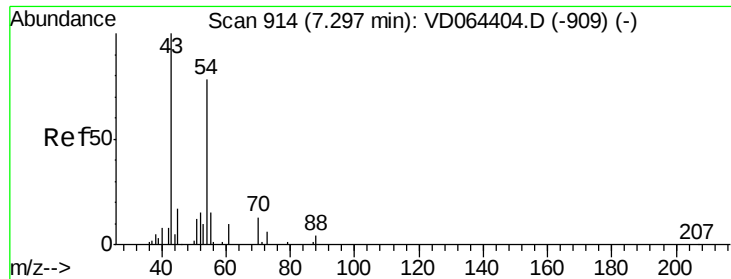
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	79.4	119.2
192	24.3	18.6	28.0



#36
 1,1-Dichloropropene
 Concen: 48.326 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064407.D
 Acq: 27 Nov 2019 21:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	18.6	55.8
77	31.3	25.0	37.4

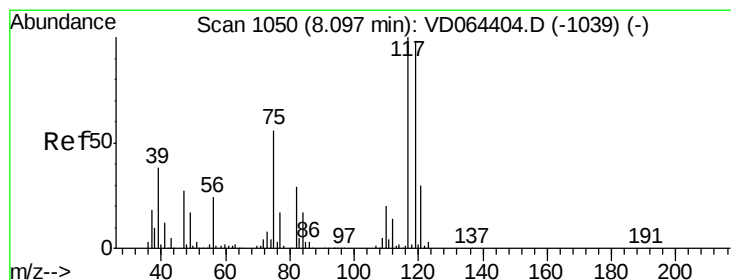
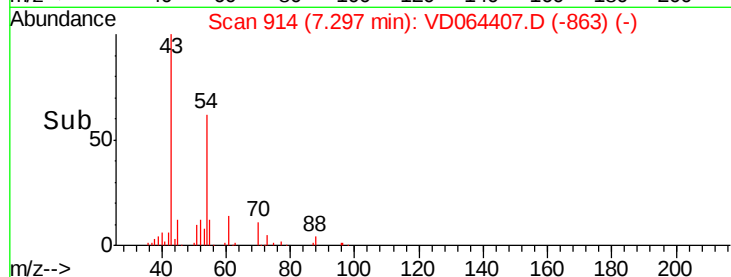
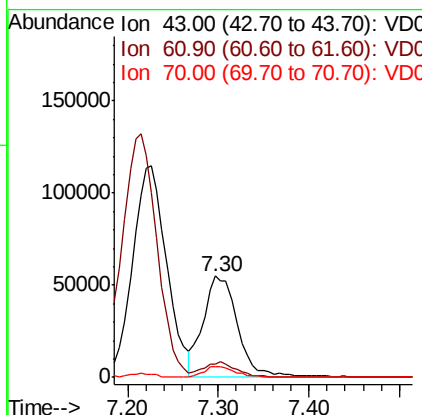
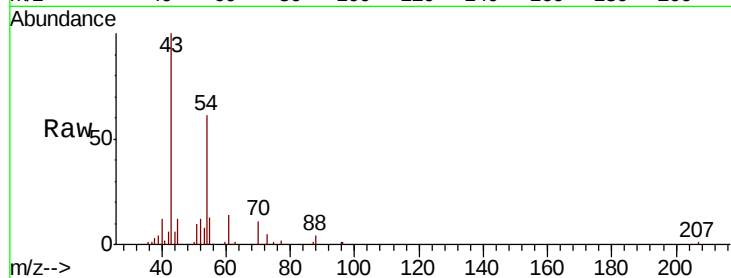




#37
Ethyl Acetate
Concen: 51.663 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

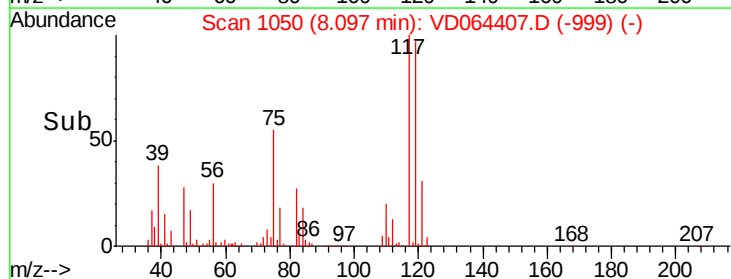
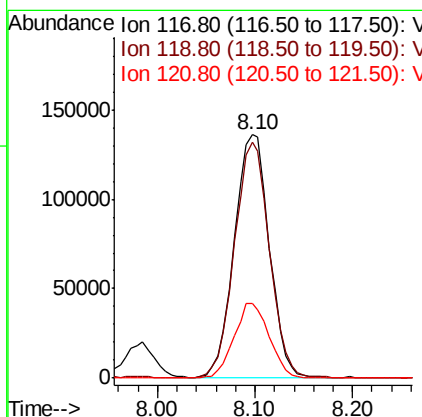
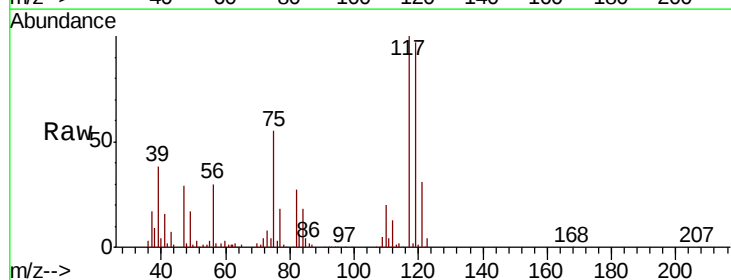
Instrument :
MSVOA_D
ClientSampleId :

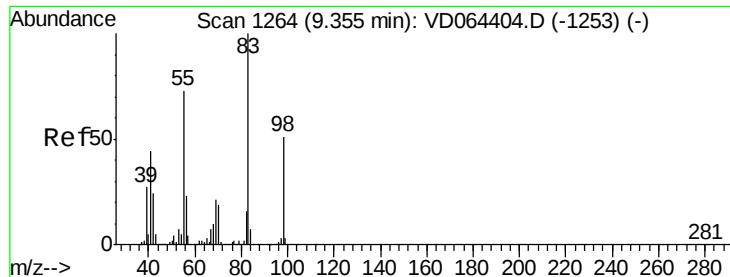
Tot Ion: 43 Resp: 141731
Ion Ratio Lower Upper
43 100
61 14.0 10.9 16.3
70 10.7 8.3 12.5



#38
Carbon Tetrachloride
Concen: 49.634 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Tgt Ion: 117 Resp: 338692
Ion Ratio Lower Upper
117 100
119 97.0 78.8 118.2
121 30.7 24.2 36.2

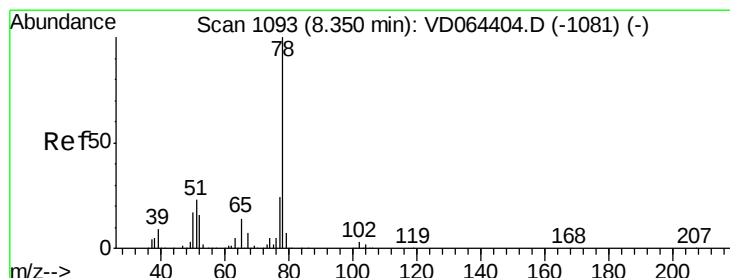
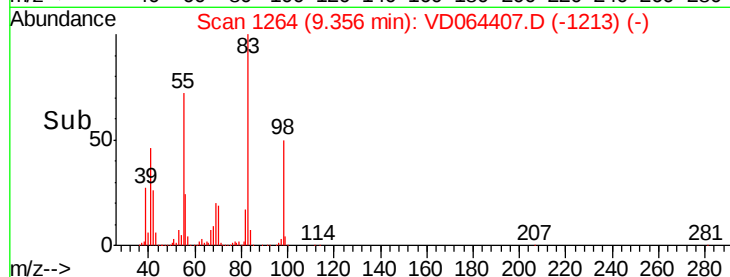
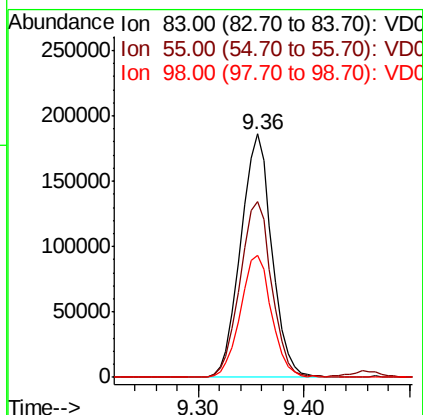
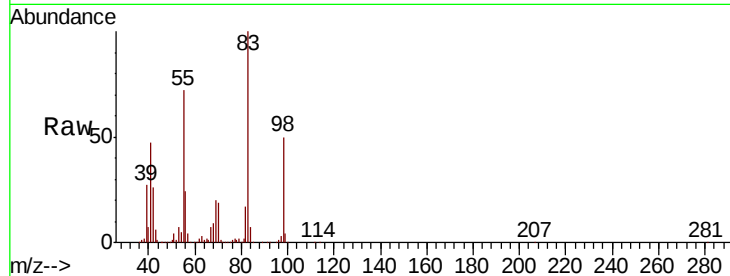




#39
Methvlcvclohexane
Concen: 47.513 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

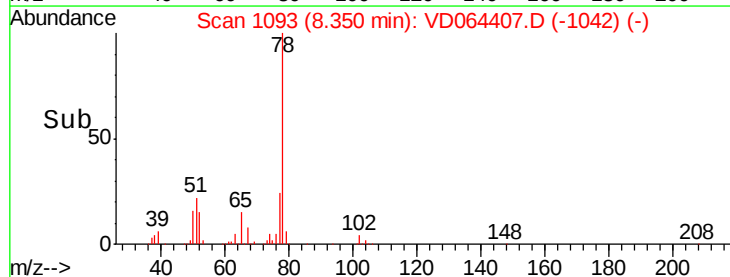
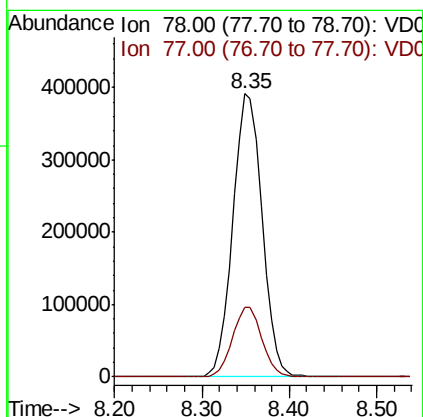
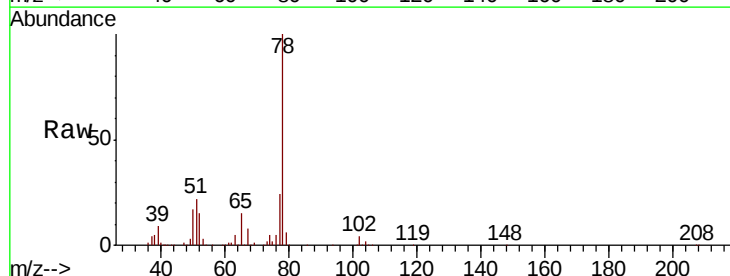
Instrument :
MSVOA_D
ClientSampled :

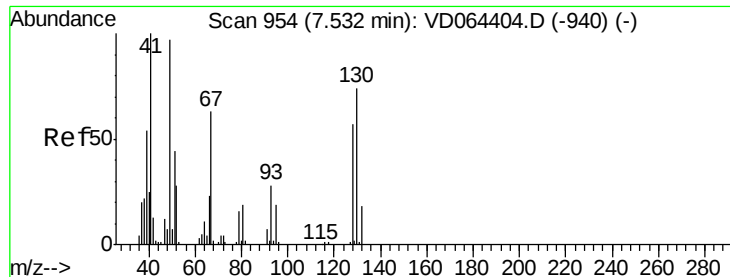
Tot Ion: 83 Resp: 381059
Ion Ratio Lower Upper
83 100
55 72.0 58.6 87.8
98 49.9 40.9 61.3



#40
Benzene
Concen: 49.360 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Tgt Ion: 78 Resp: 886359
Ion Ratio Lower Upper
78 100
77 24.4 19.6 29.4

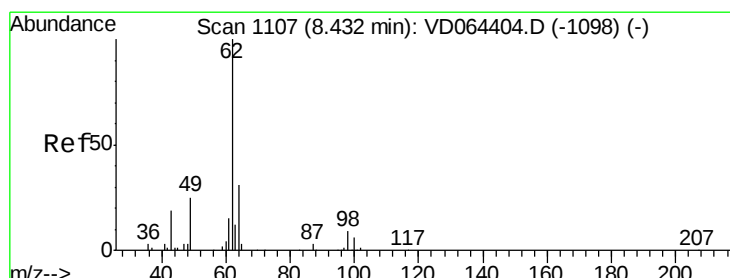
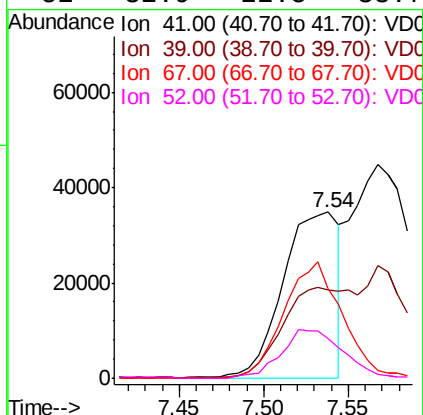
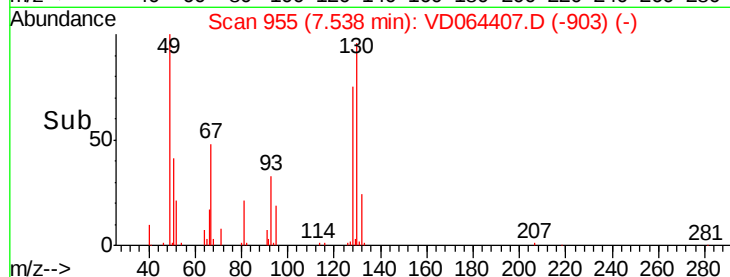
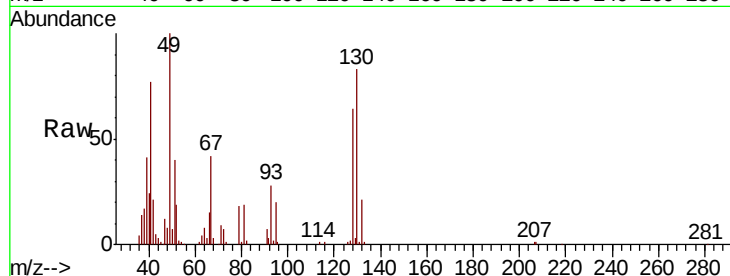




#41
Methacrylonitrile
Concen: 50.864 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

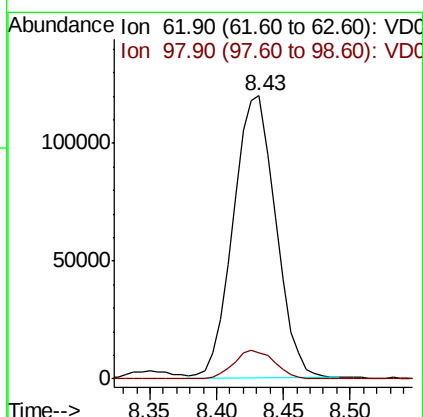
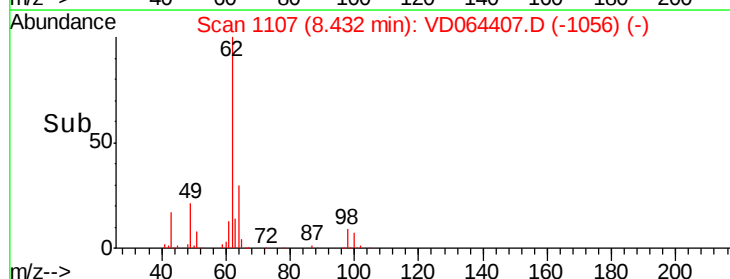
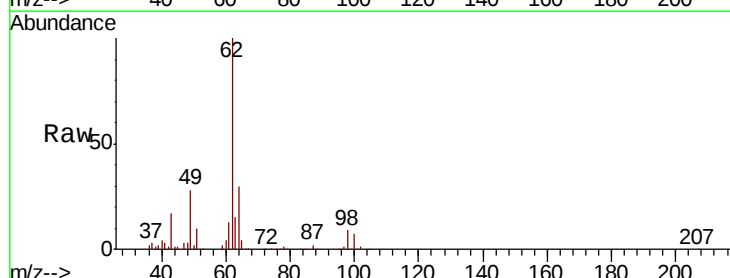
Instrument :
MSVOA_D
ClientSampleId :

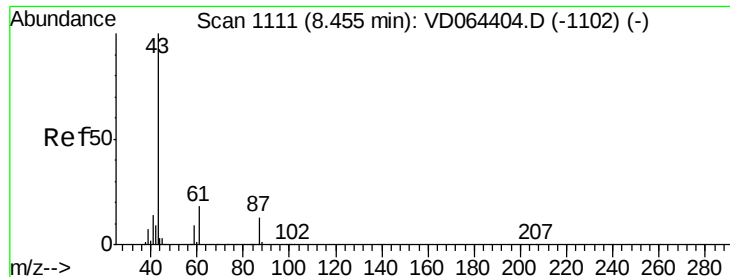
Tot Ion: 41 Resp: 80024
Ion Ratio Lower Upper
41 100
39 71.3 44.6 67.0#
67 73.7 50.9 76.3
52 32.9 22.5 33.7



#42
1,2-Dichloroethane
Concen: 50.586 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Tgt Ion: 62 Resp: 264906
Ion Ratio Lower Upper
62 100
98 9.9 0.0 20.6





#43

Isopropyl Acetate

Concen: 51.395 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

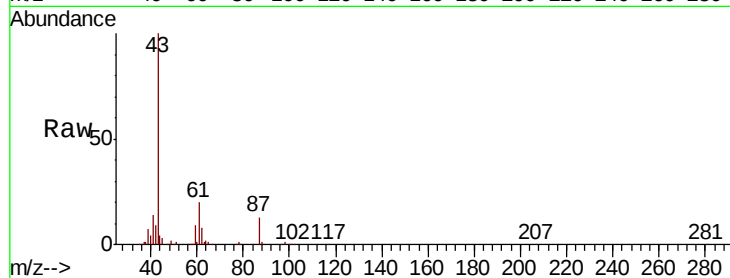
Tot Ion: 43 Resp: 277229

Ion Ratio Lower Upper

43 100

61 29.8 24.0 36.0

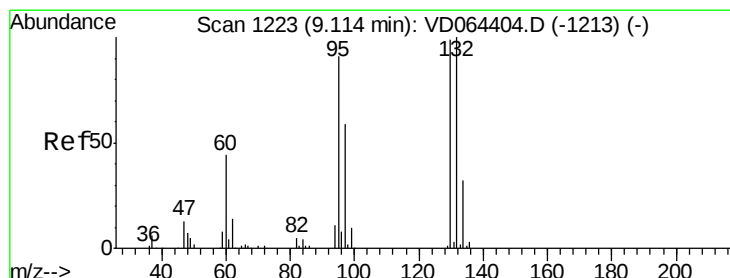
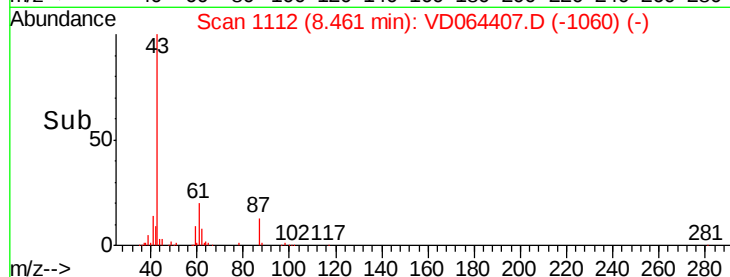
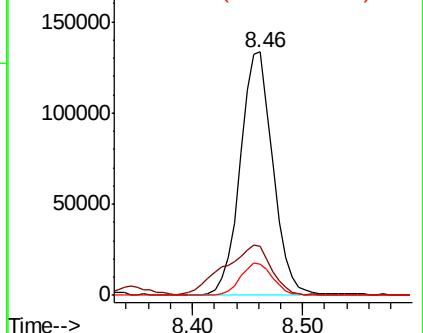
87 13.2 10.6 15.8



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: 48.289 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064407.D

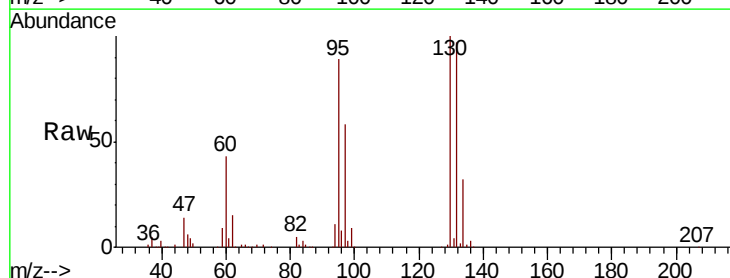
Acq: 27 Nov 2019 21:10

Tgt Ion: 130 Resp: 261204

Ion Ratio Lower Upper

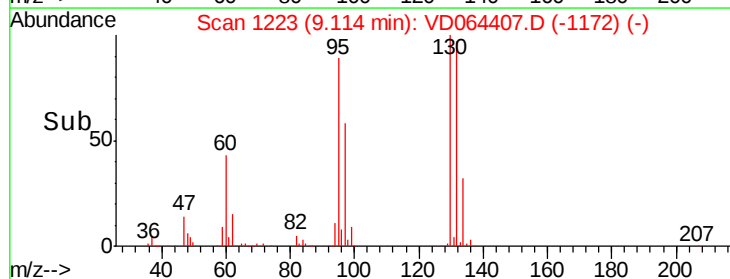
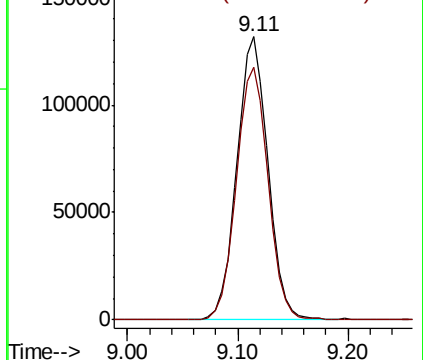
130 100

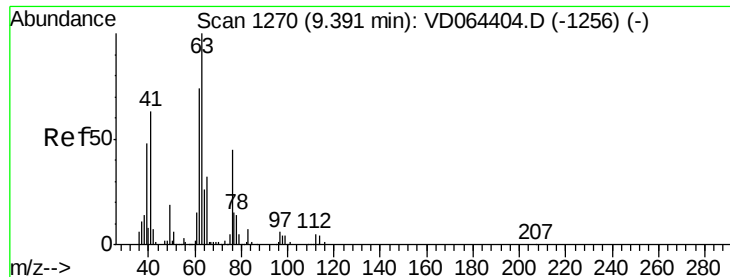
95 89.2 0.0 184.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 50.094 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Instrument :

MSVOA_D

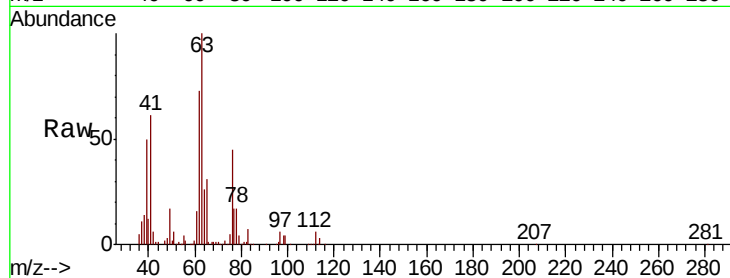
ClientSampleId :

Tot Ion: 63 Resp: 215132

Ion Ratio Lower Upper

63 100

65 31.3 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

120000

100000

80000

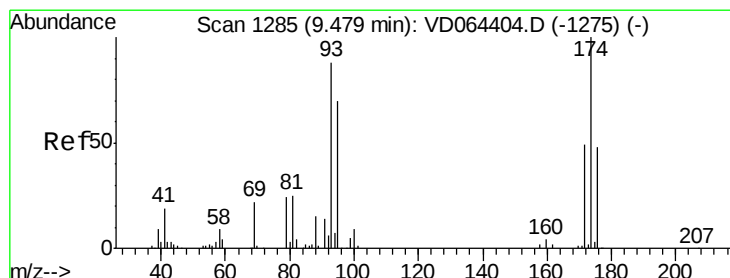
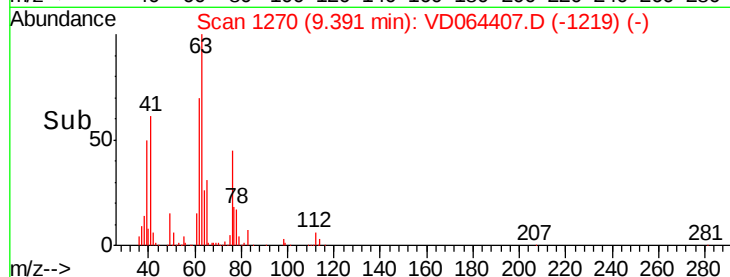
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 50.537 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

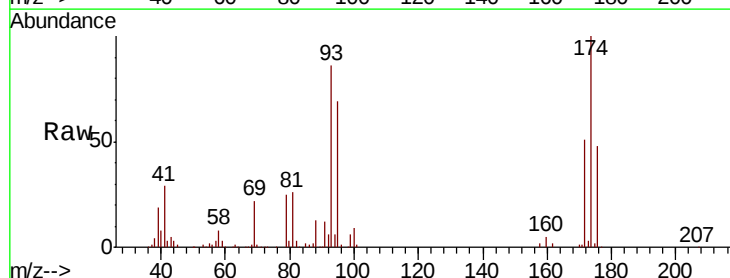
Tgt Ion: 93 Resp: 122495

Ion Ratio Lower Upper

93 100

95 83.0 66.7 100.1

174 117.9 92.3 138.5



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC

100000

80000

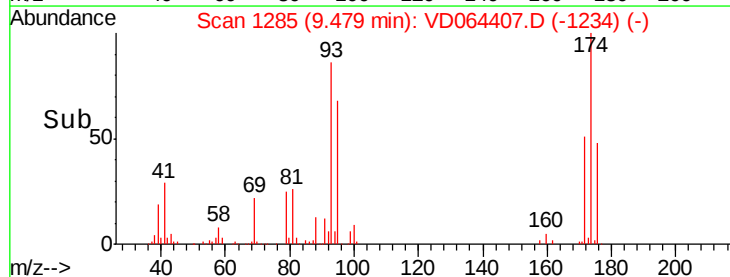
60000

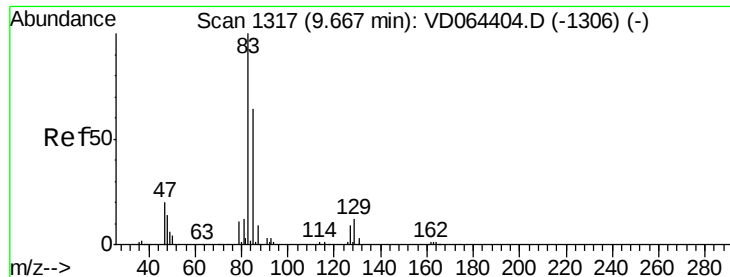
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 50.872 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

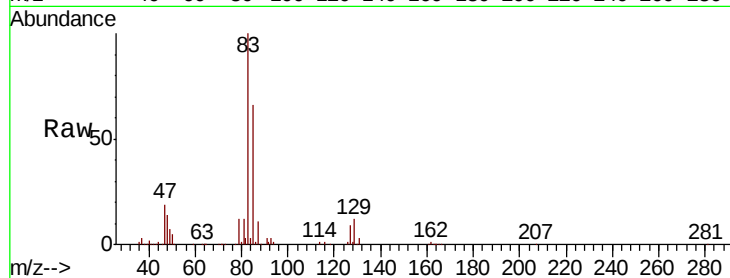
Tot Ion: 83 Resp: 316832

Ion Ratio Lower Upper

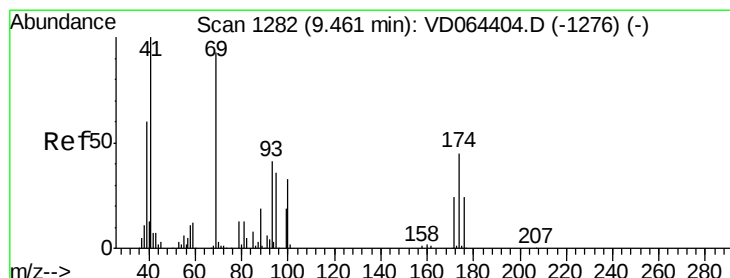
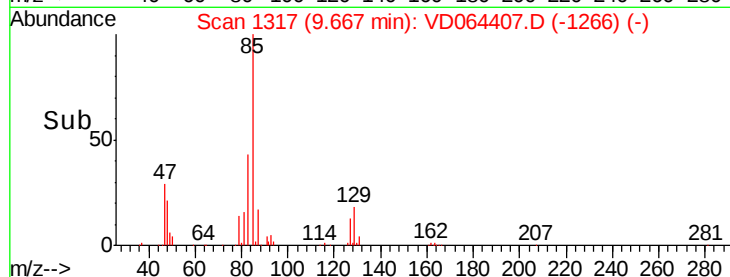
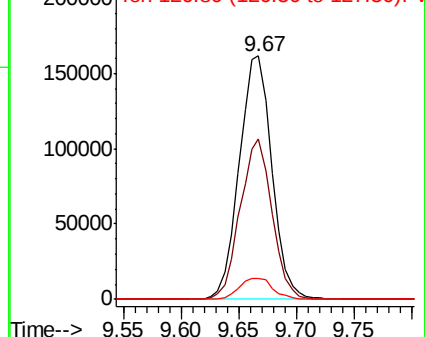
83 100

85 66.1 51.1 76.7

127 8.8 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: 52.724 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

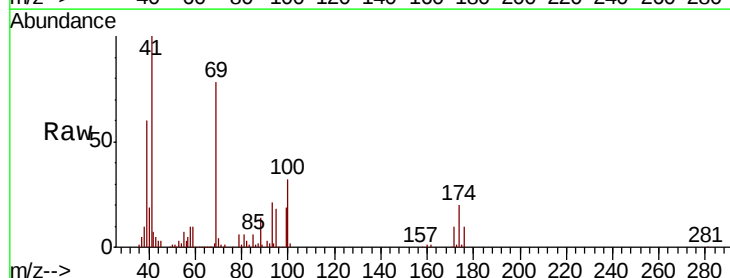
Tgt Ion: 41 Resp: 130139

Ion Ratio Lower Upper

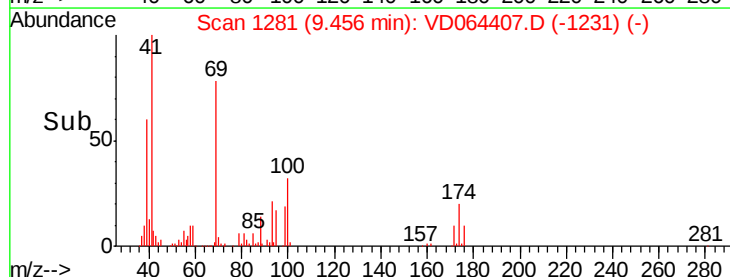
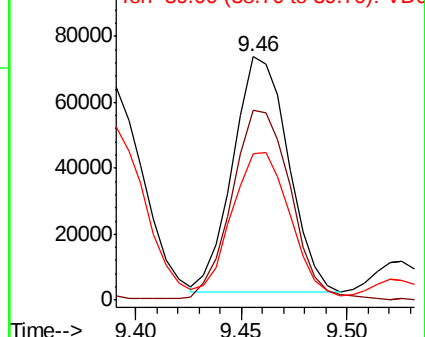
41 100

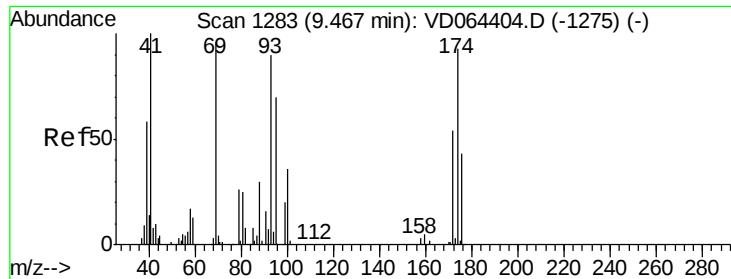
69 85.6 72.0 108.0

39 62.8 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

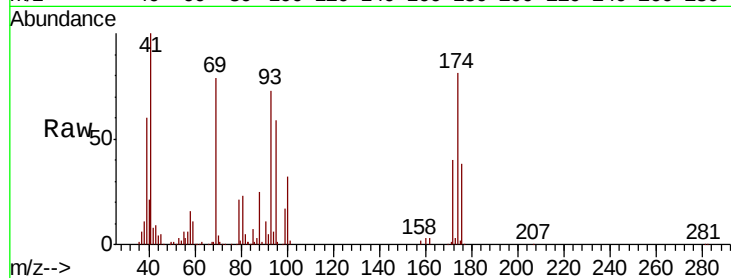




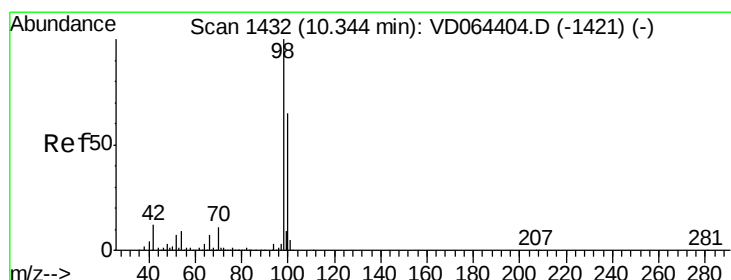
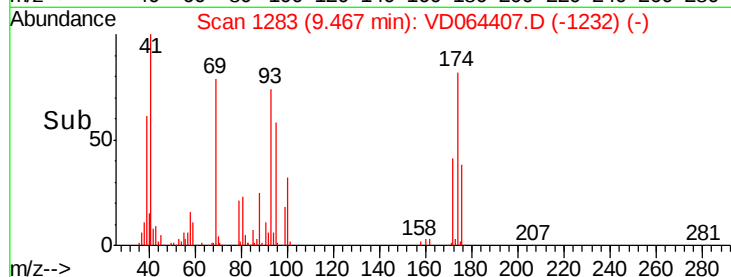
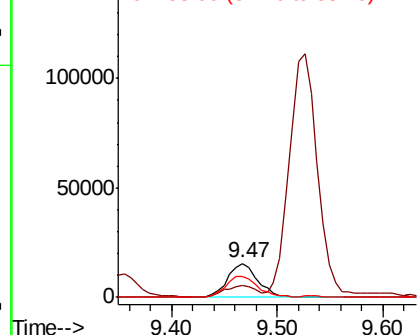
#49
1,4-Dioxane
Concen: 1034.341 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 30959
Ion Ratio Lower Upper
88 100
43 33.2 26.7 40.1
58 66.8 52.3 78.5

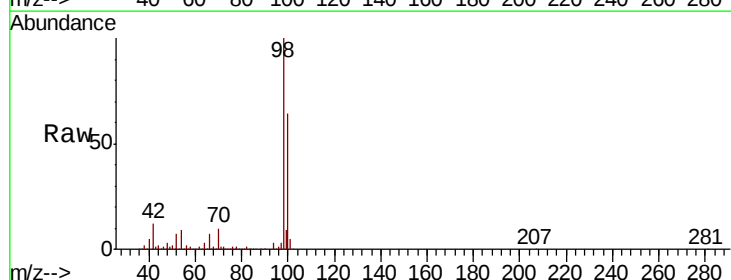


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

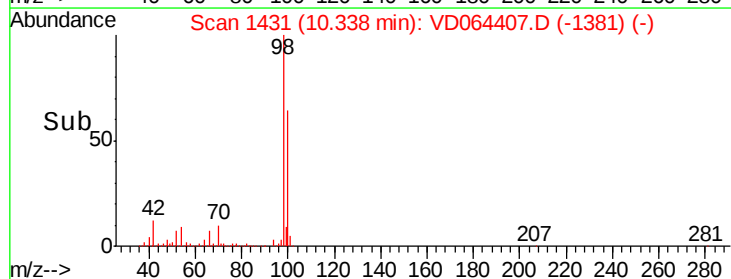
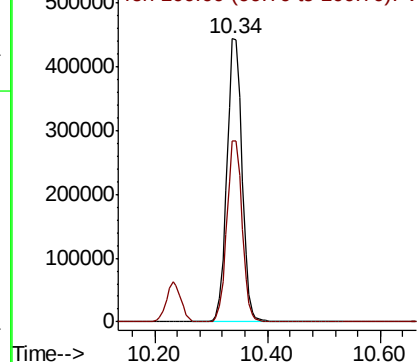


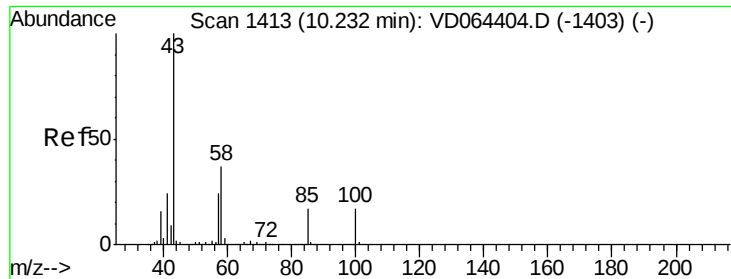
#50
Toluene-d8
Concen: 50.829 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Tgt Ion: 98 Resp: 824592
Ion Ratio Lower Upper
98 100
100 64.7 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: 258.642 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Instrument :

MSVOA_D

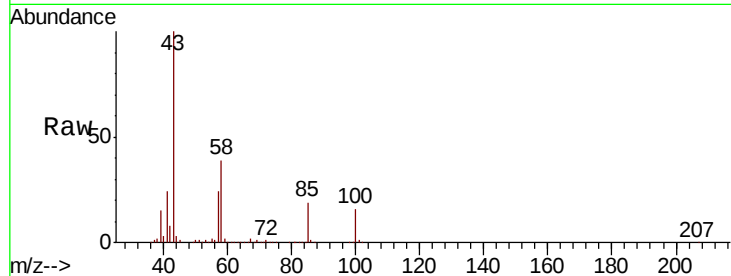
ClientSampled :

Tot Ion: 43 Resp: 690298

Ion Ratio Lower Upper

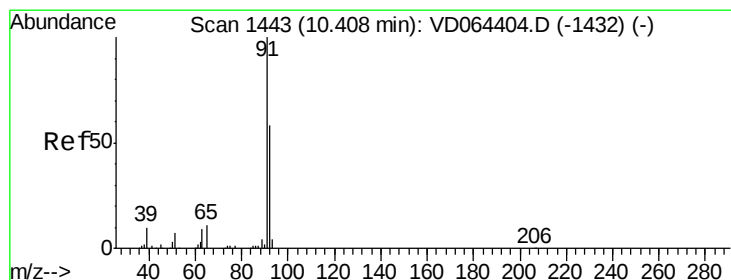
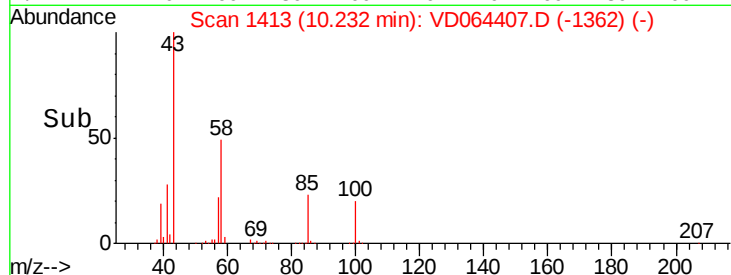
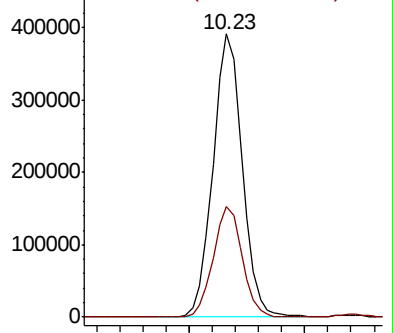
43 100

58 38.6 30.6 46.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 49.145 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064407.D

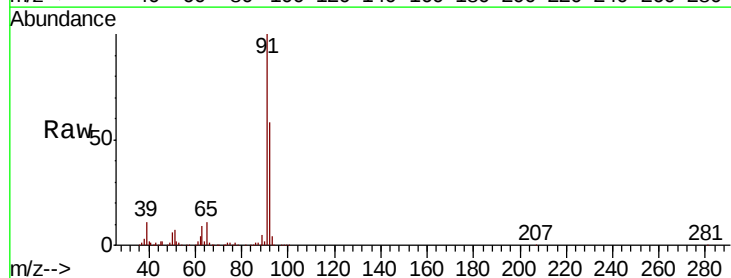
Acq: 27 Nov 2019 21:10

Tgt Ion: 92 Resp: 575138

Ion Ratio Lower Upper

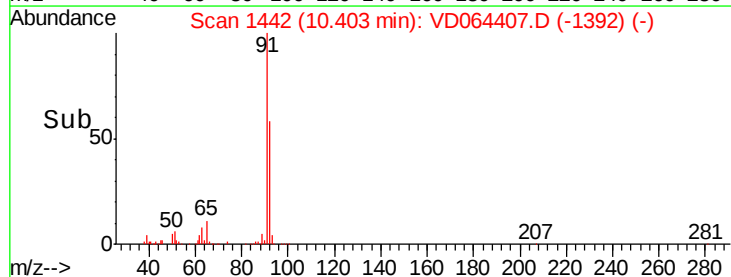
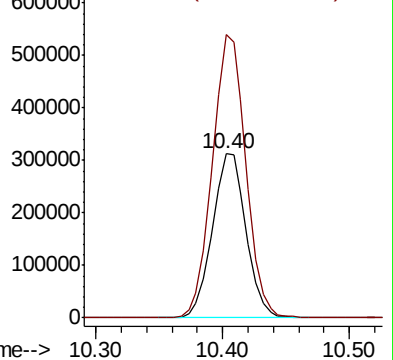
92 100

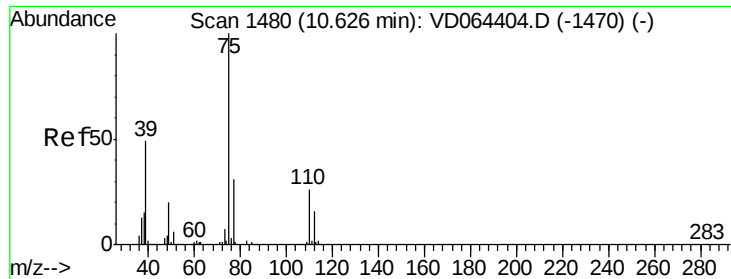
91 172.3 137.8 206.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 50.726 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Instrument :

MSVOA_D

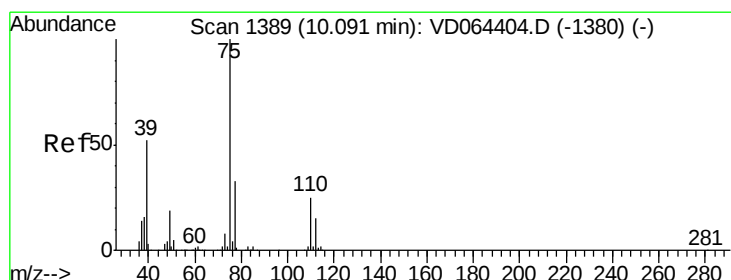
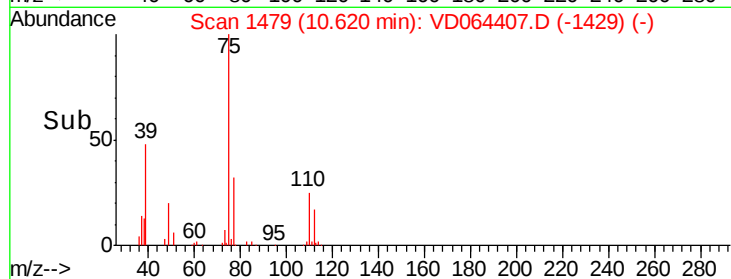
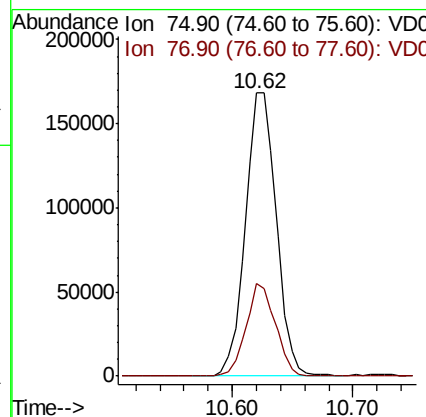
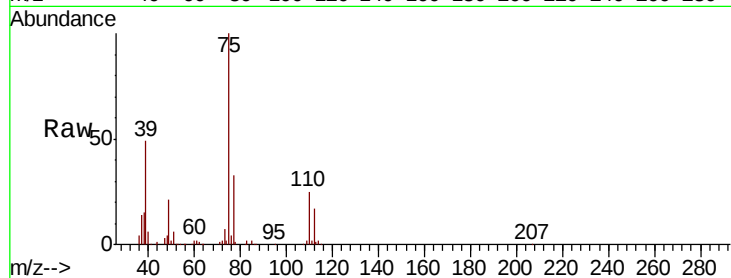
ClientSampleId :

Tot Ion: 75 Resp: 301085

Ion Ratio Lower Upper

75 100

77 32.6 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 50.291 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

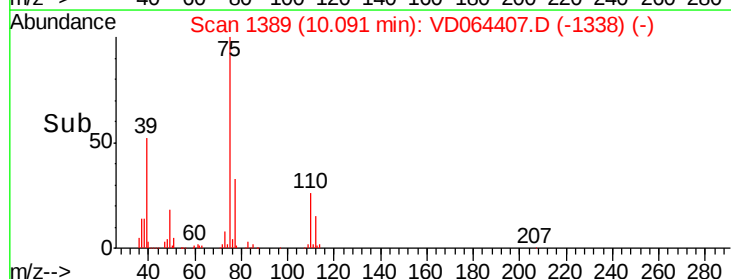
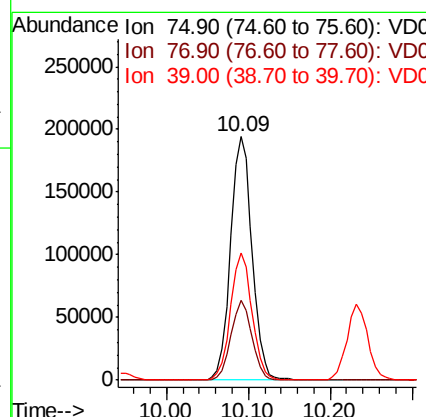
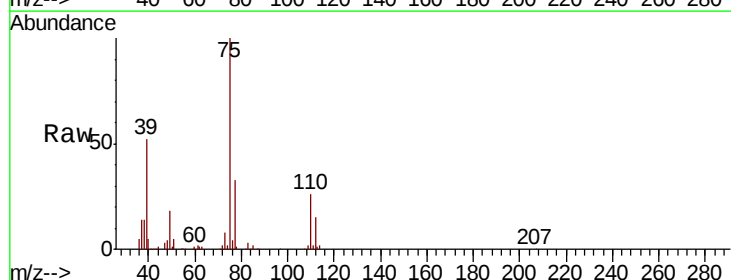
Tgt Ion: 75 Resp: 354617

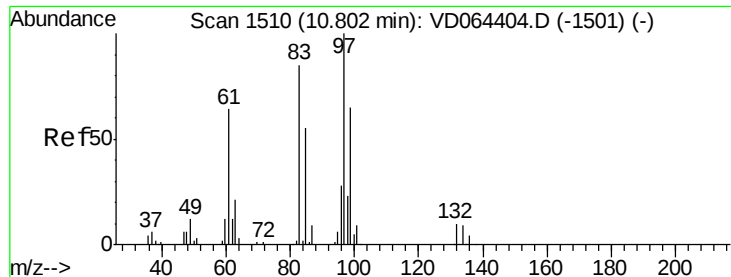
Ion Ratio Lower Upper

75 100

77 32.9 26.1 39.1

39 52.0 41.5 62.3

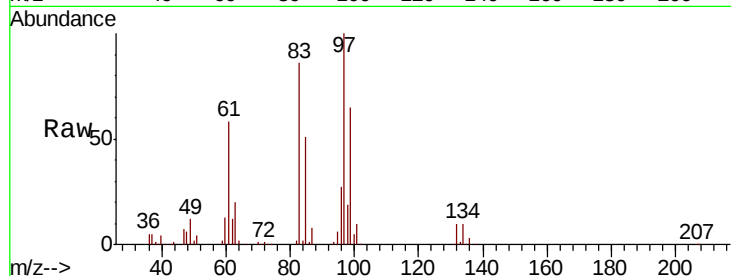




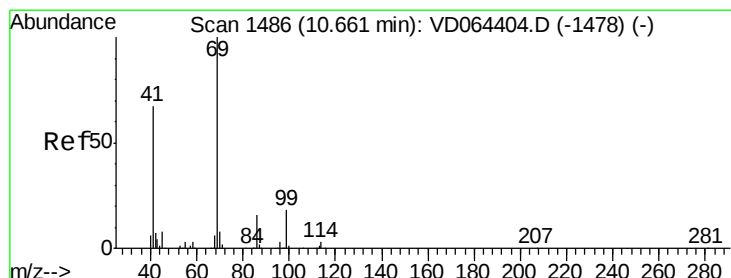
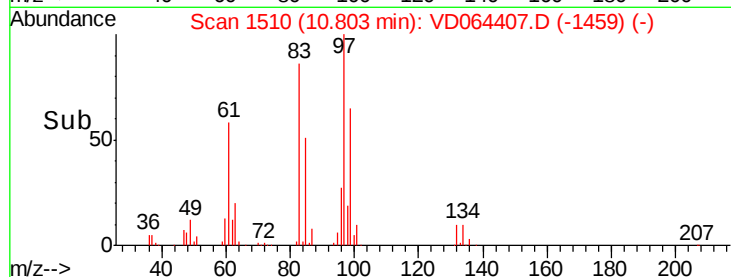
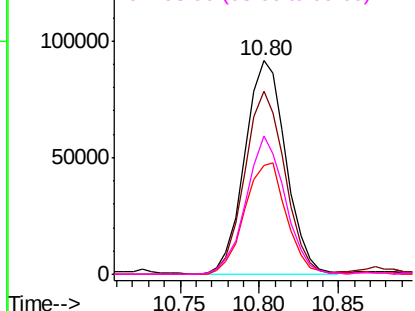
#55
 1,1,2-Trichloroethane
 Concen: 49.961 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064407.D
 Acq: 27 Nov 2019 21:10

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion	97	Resp	165819
Ion	Ratio	Lower	Upper
97	100		
83	85.9	67.8	101.8
85	50.6	43.7	65.5
99	64.6	51.7	77.5

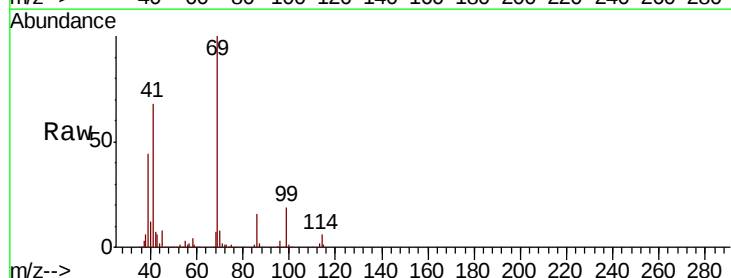


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

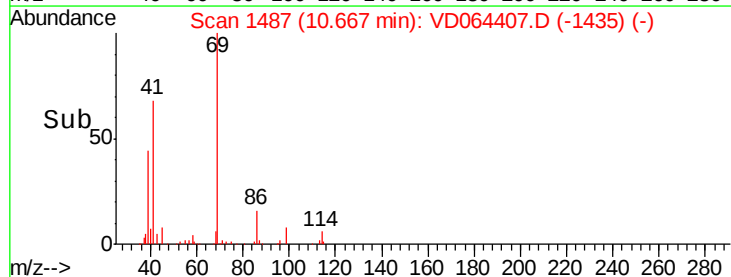
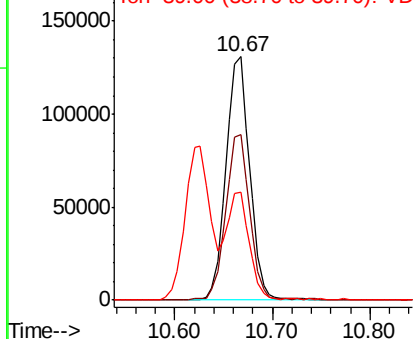


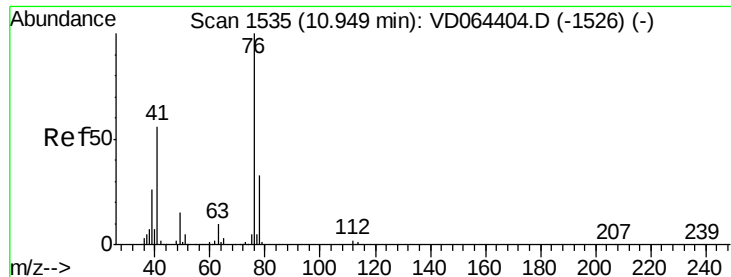
#56
 Ethyl methacrylate
 Concen: 52.028 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064407.D
 Acq: 27 Nov 2019 21:10

Tgt Ion	69	Resp	220241
Ion	Ratio	Lower	Upper
69	100		
41	67.6	55.0	82.4
39	42.9	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: 49.563 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Instrument :

MSVOA_D

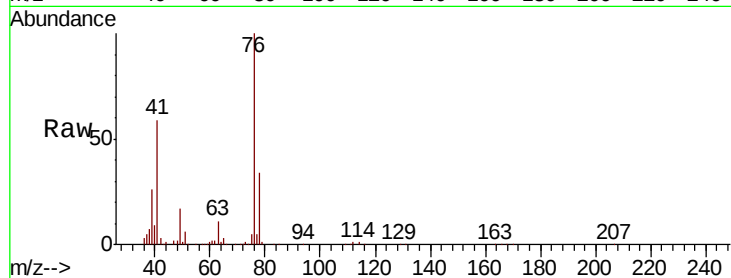
ClientSampled :

Tot Ion: 76 Resp: 280021

Ion Ratio Lower Upper

76 100

78 33.5 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

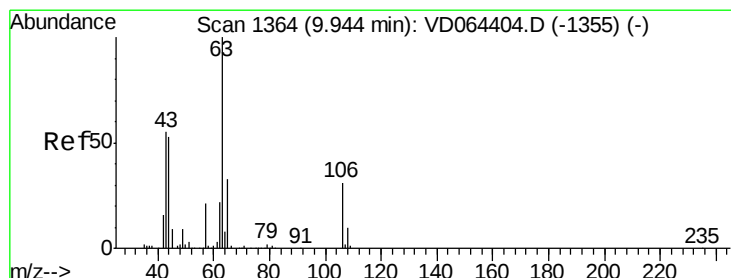
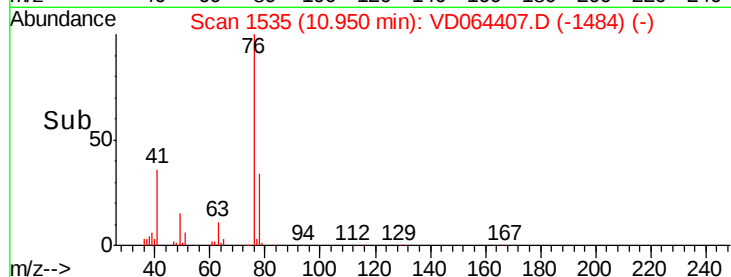
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 229.632 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064407.D

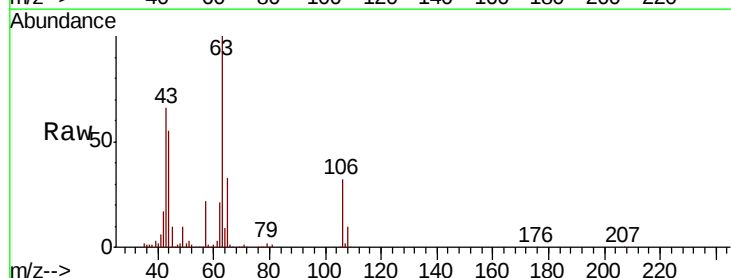
Acq: 27 Nov 2019 21:10

Tgt Ion: 63 Resp: 387502

Ion Ratio Lower Upper

63 100

106 31.1 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

250000

200000

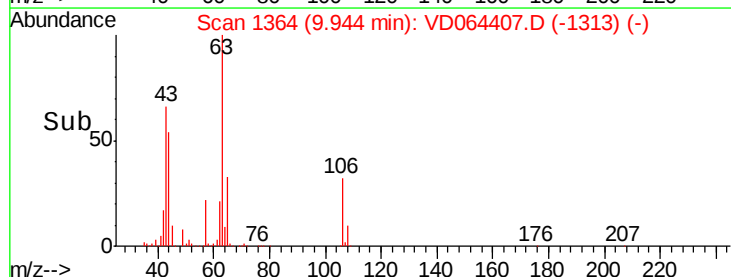
150000

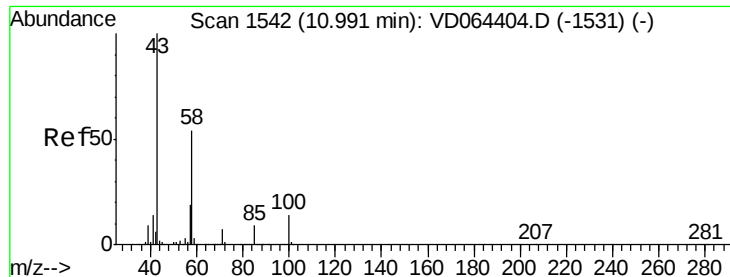
100000

50000

0

Time-->

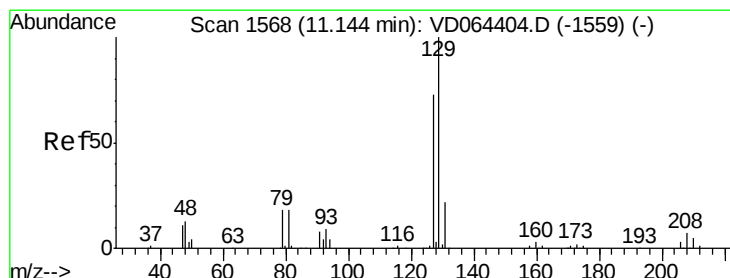
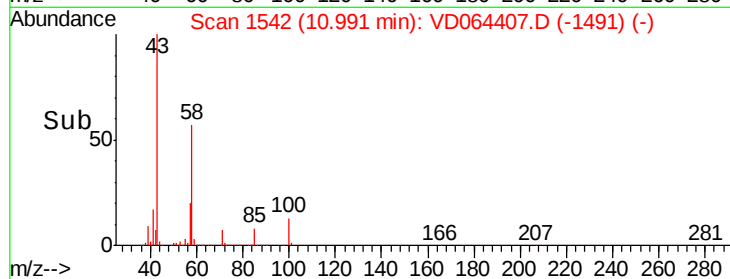
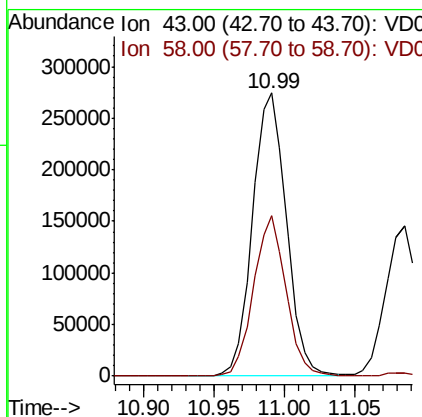
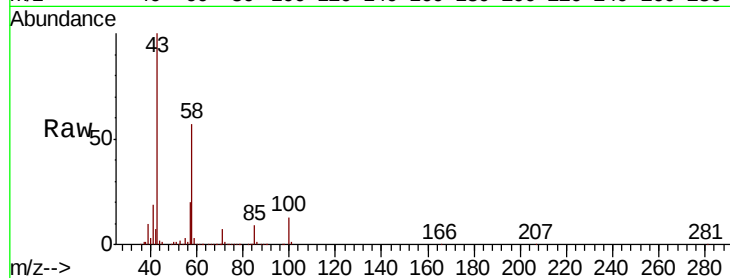




#59
2-Hexanone
Concen: 250.516 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

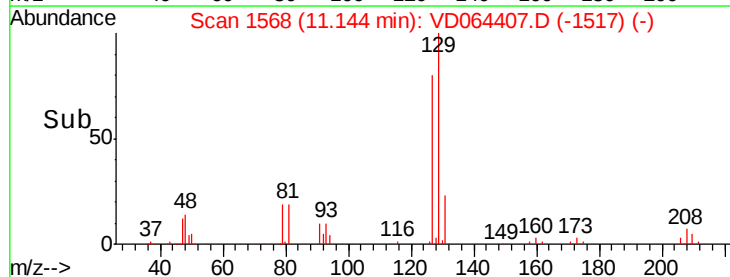
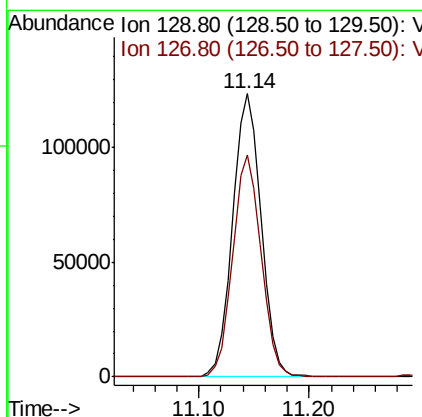
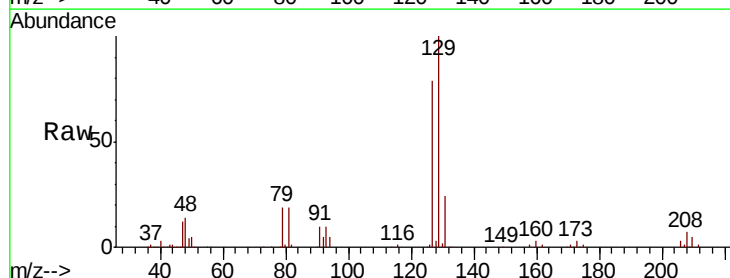
Instrument :
MSVOA_D
ClientSampleId :

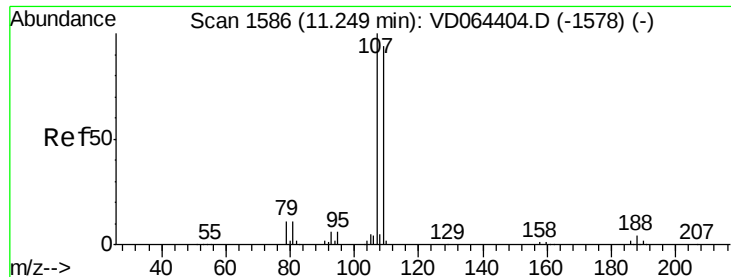
Tot Ion: 43 Resp: 463942
Ion Ratio Lower Upper
43 100
58 54.2 26.3 78.8



#60
Dibromochloromethane
Concen: 49.889 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Tgt Ion: 129 Resp: 224499
Ion Ratio Lower Upper
129 100
127 78.2 38.1 114.3

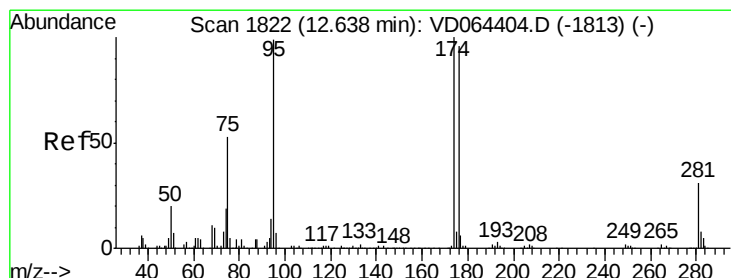
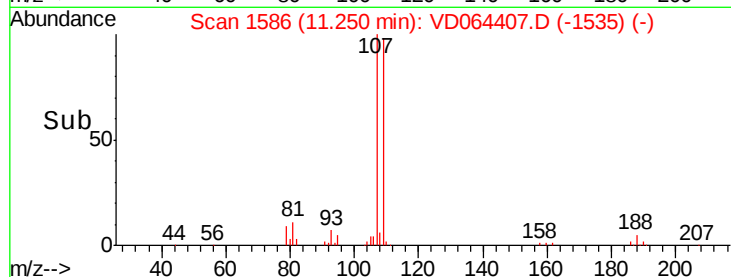
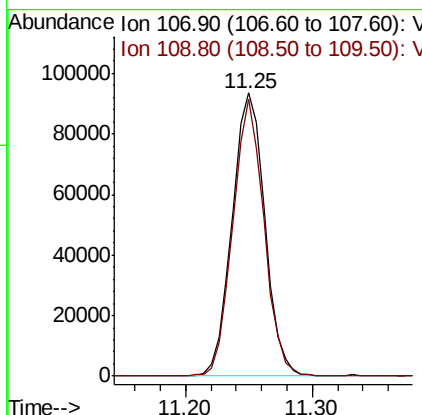
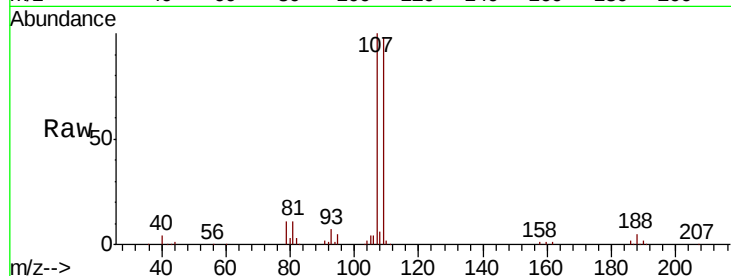




#61
 1,2-Dibromoethane
 Concen: 50.294 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064407.D
 Acq: 27 Nov 2019 21:10

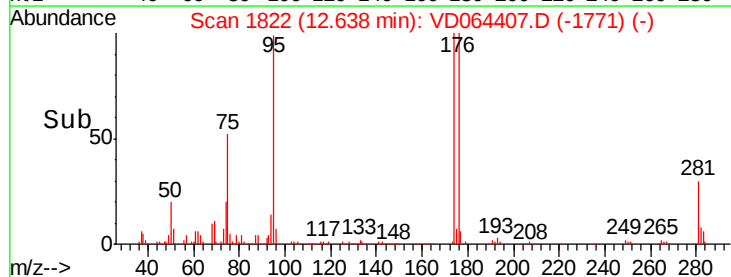
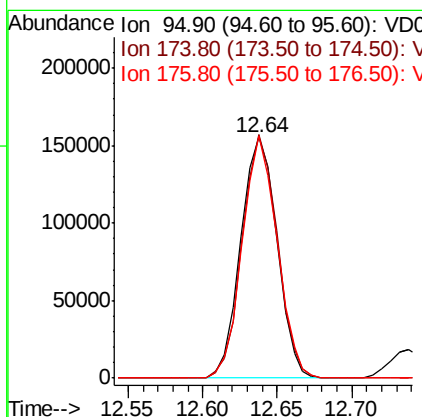
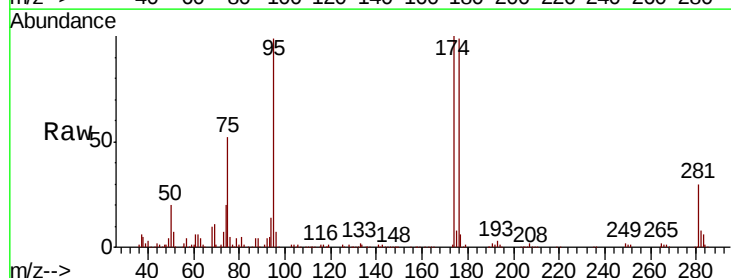
Instrument :
 MSVOA_D
 ClientSampled :

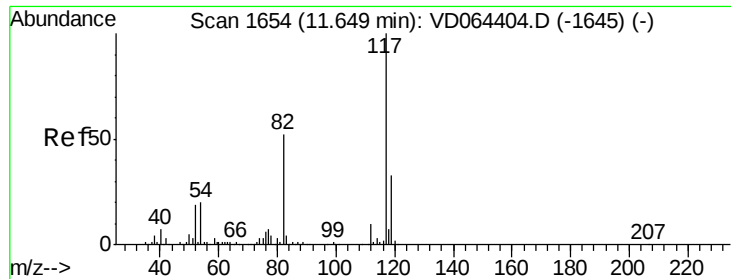
Tot Ion:107 Resp: 166665
 Ion Ratio Lower Upper
 107 100
 109 93.2 76.2 114.2



#62
 4-Bromofluorobenzene
 Concen: 50.028 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064407.D
 Acq: 27 Nov 2019 21:10

Tgt Ion: 95 Resp: 260823
 Ion Ratio Lower Upper
 95 100
 174 98.4 0.0 197.2
 176 96.8 0.0 189.6

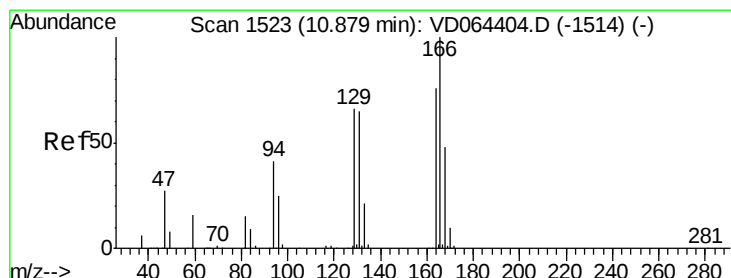
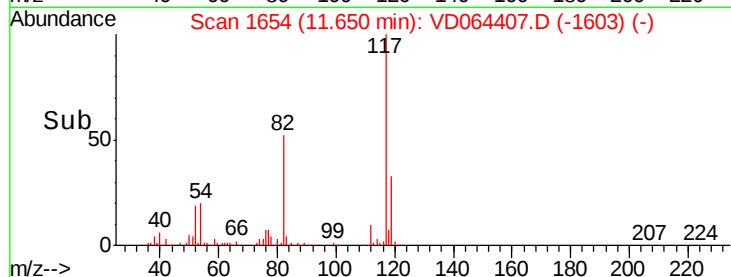
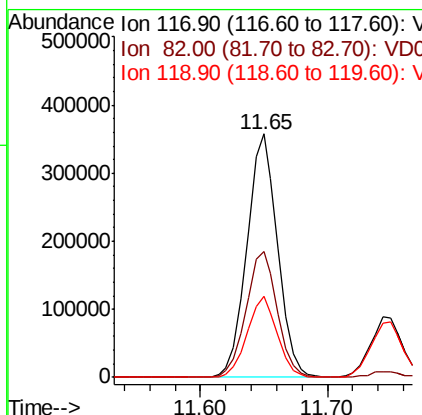
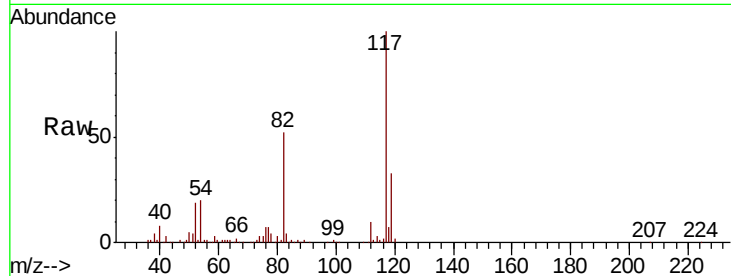




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

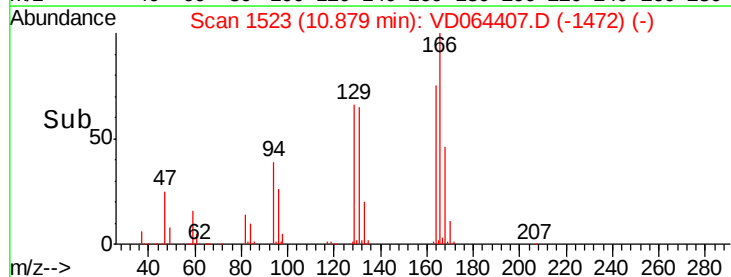
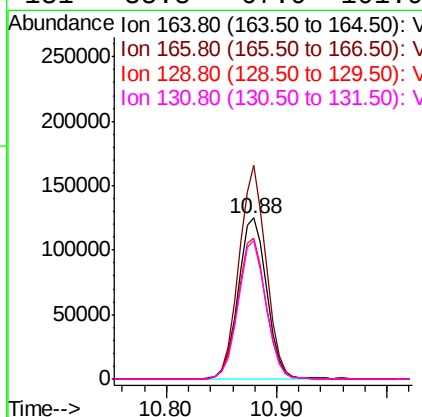
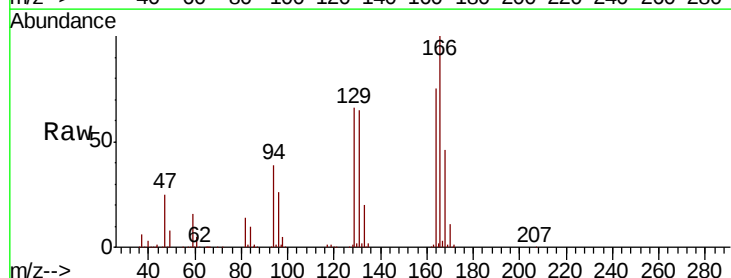
Instrument :
MSVOA_D
ClientSampled :

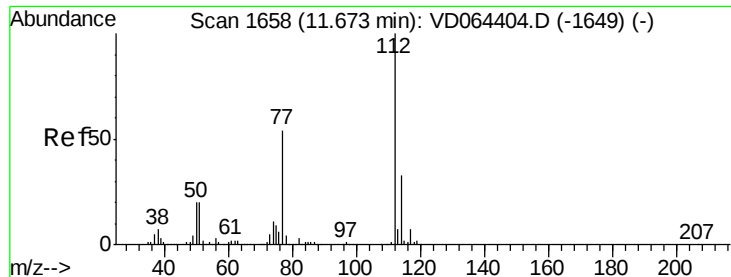
Tot Ion:117 Resp: 600639
Ion Ratio Lower Upper
117 100
82 51.9 41.4 62.2
119 33.2 26.2 39.2



#64
Tetrachloroethene
Concen: 49.499 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Tgt Ion:164 Resp: 226722
Ion Ratio Lower Upper
164 100
166 132.7 104.8 157.2
129 87.2 68.7 103.1
131 85.8 67.9 101.9

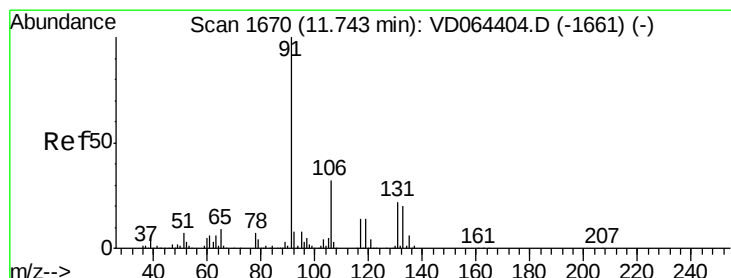
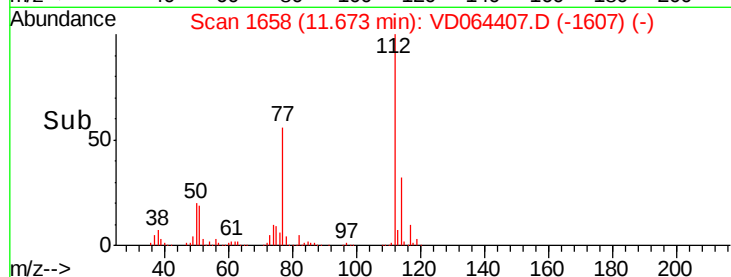
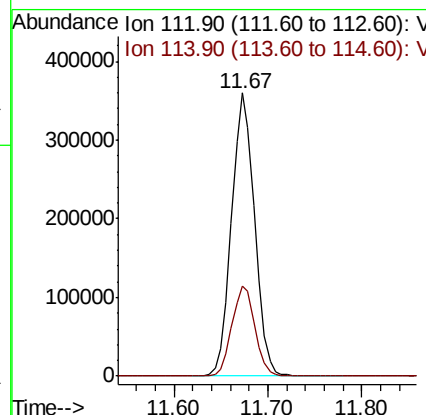
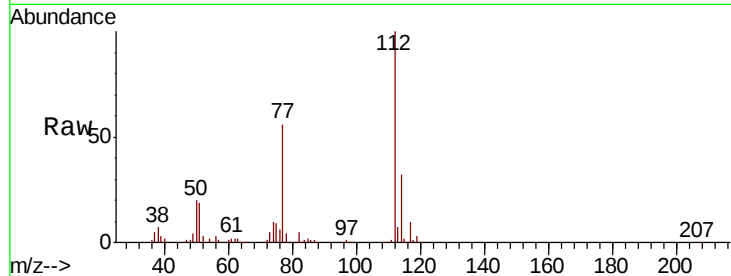




#65
Chlorobenzene
Concen: 48.787 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

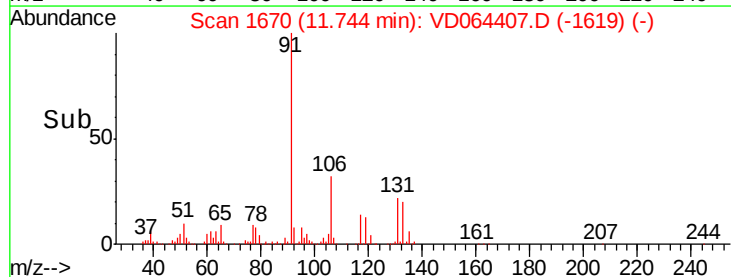
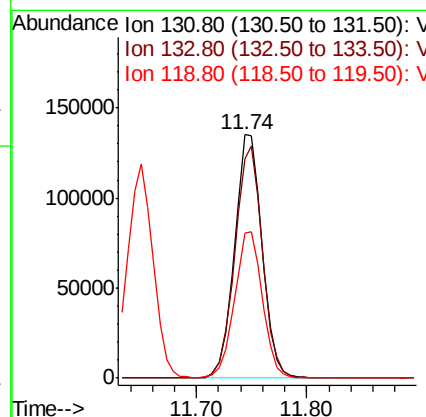
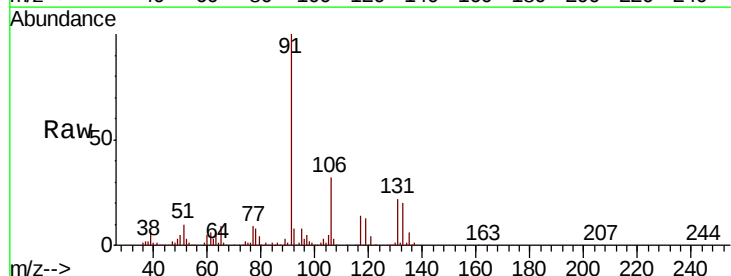
Instrument :
MSVOA_D
ClientSampleId :

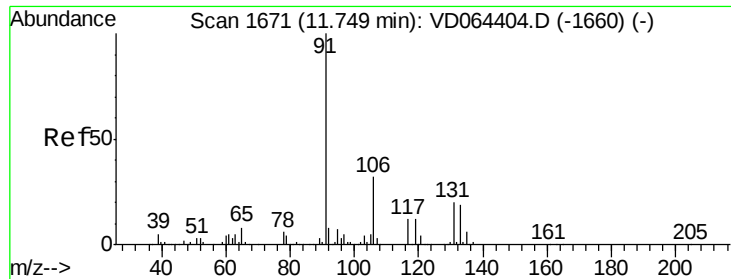
Tot Ion:112 Resp: 611169
Ion Ratio Lower Upper
112 100
114 31.7 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 51.132 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Tgt Ion:131 Resp: 237126
Ion Ratio Lower Upper
131 100
133 95.2 48.3 144.9
119 60.8 31.9 95.9





#67

Ethyl Benzene

Concen: 48.887 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Instrument :

MSVOA_D

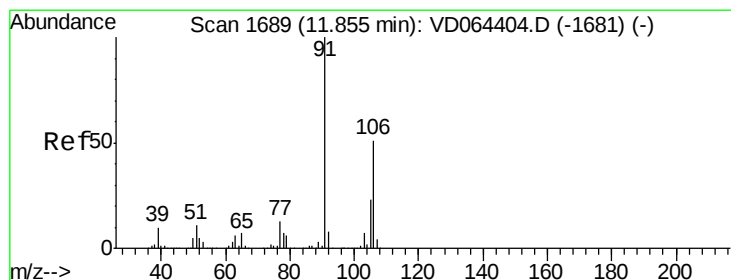
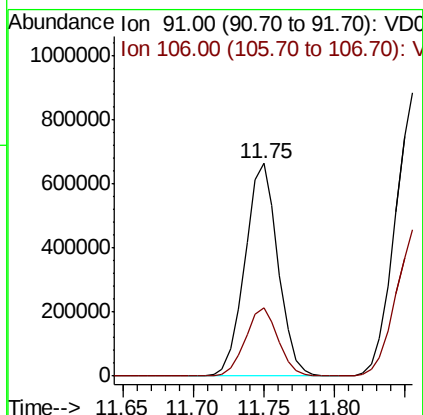
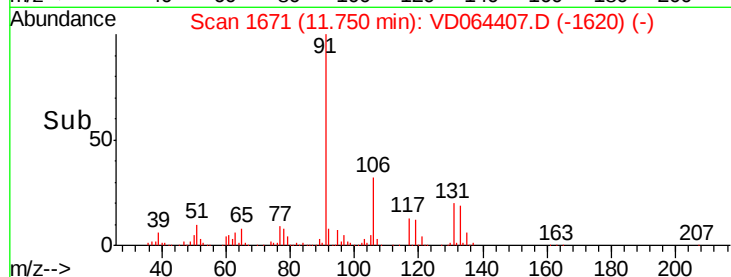
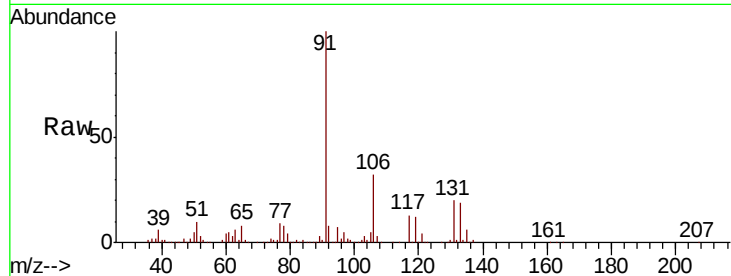
ClientSampled :

Tot Ion: 91 Resp: 1089644

Ion Ratio Lower Upper

91 100

106 32.2 25.8 38.8



#68

m/p-Xylenes

Concen: 99.353 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064407.D

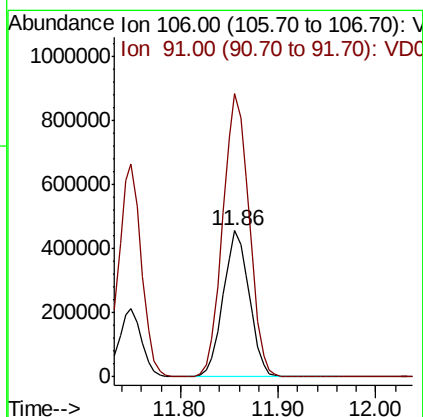
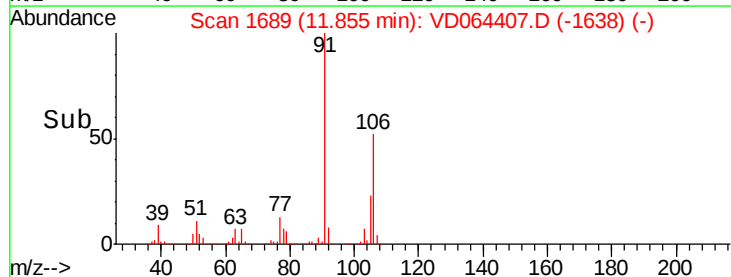
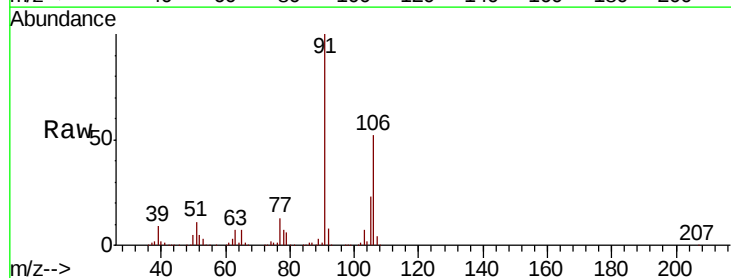
Acq: 27 Nov 2019 21:10

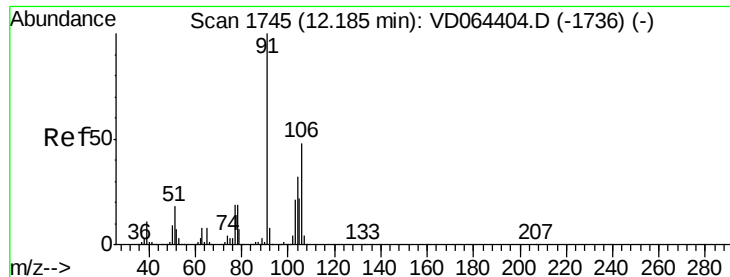
Tgt Ion: 106 Resp: 844360

Ion Ratio Lower Upper

106 100

91 196.4 157.4 236.2

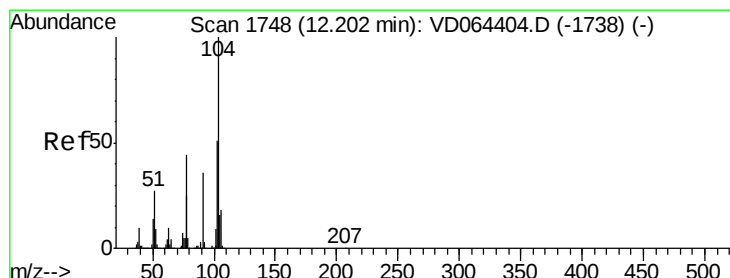
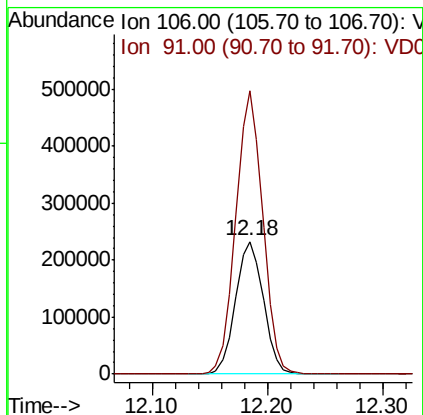
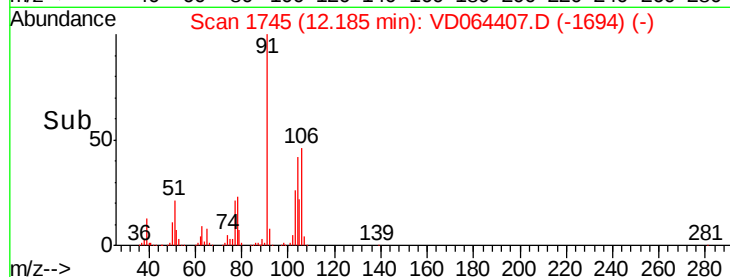
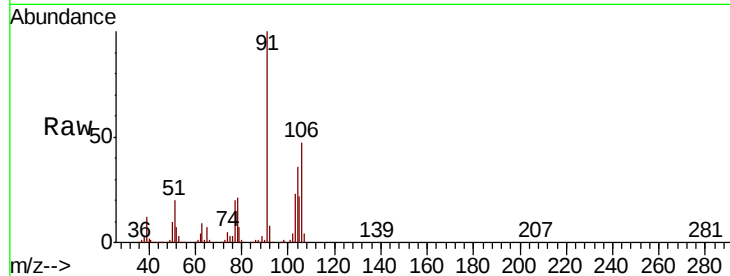




#69
o-Xylene
Concen: 49.472 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

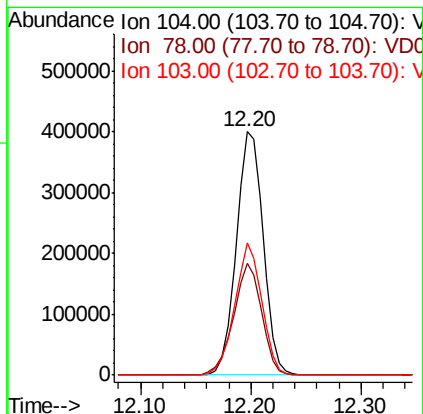
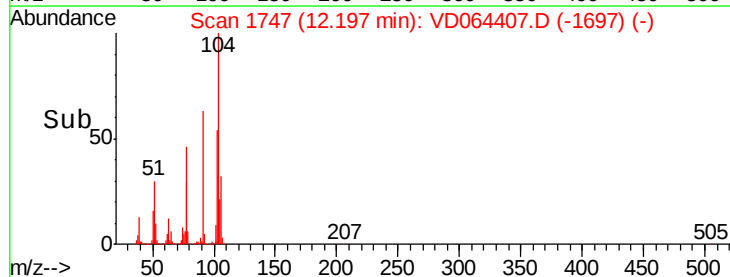
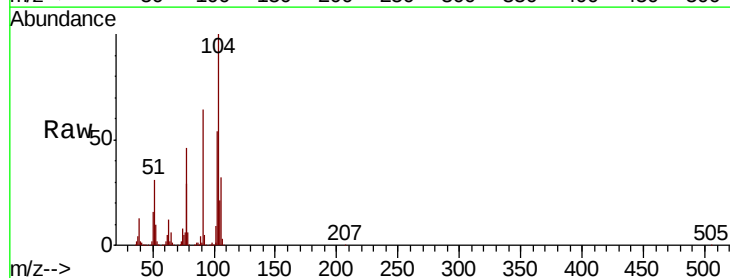
Instrument :
MSVOA_D
ClientSampleId :

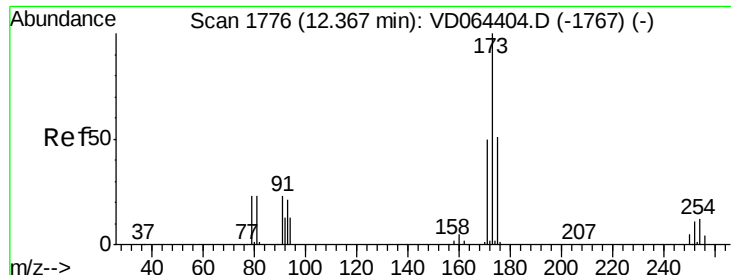
Tot Ion:106 Resp: 388302
Ion Ratio Lower Upper
106 100
91 207.2 103.8 311.4



#70
Styrene
Concen: 50.269 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Tgt Ion:104 Resp: 685648
Ion Ratio Lower Upper
104 100
78 47.9 38.8 58.2
103 54.7 44.2 66.4

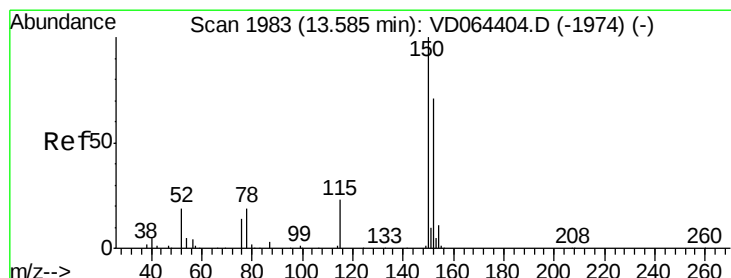
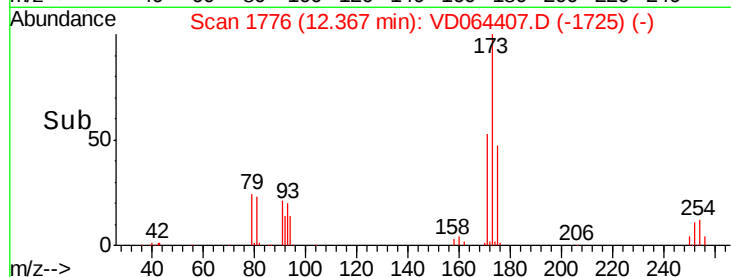
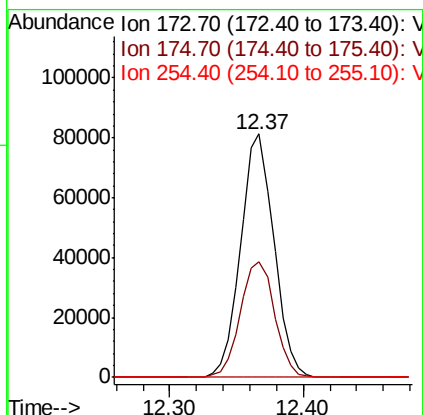
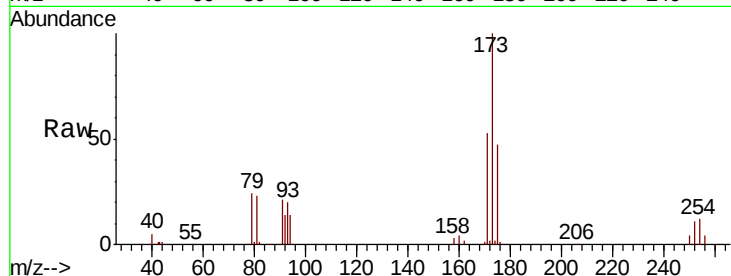




#71
Bromoform
Concen: 50.489 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

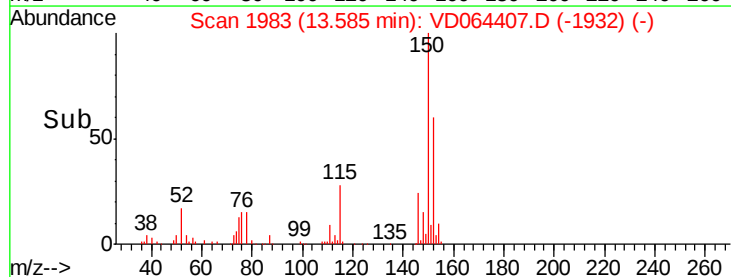
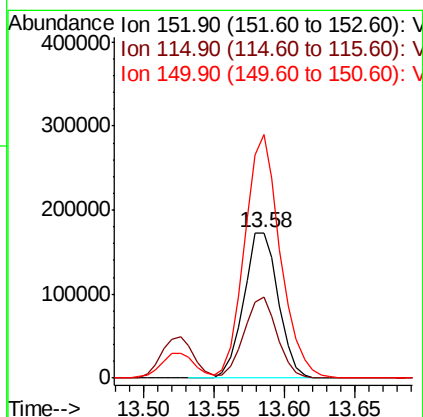
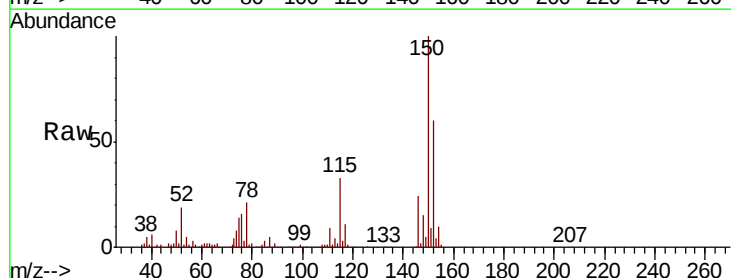
Instrument :
MSVOA_D
ClientSampled :

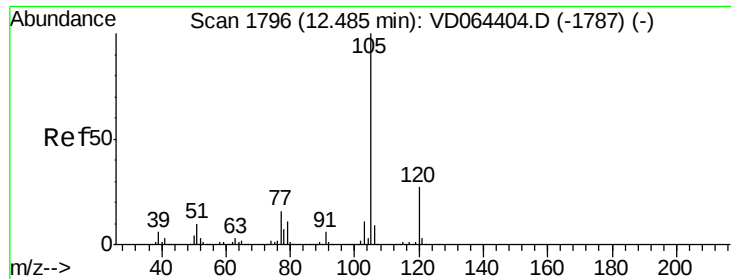
Tot Ion:173 Resp: 140084
Ion Ratio Lower Upper
173 100
175 48.9 25.3 75.8
254 0.1 0.0 0.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Tgt Ion:152 Resp: 296715
Ion Ratio Lower Upper
152 100
115 53.5 26.7 80.1
150 172.7 0.0 347.2





#73

Isopropylbenzene

Concen: 48.458 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Instrument :

MSVOA_D

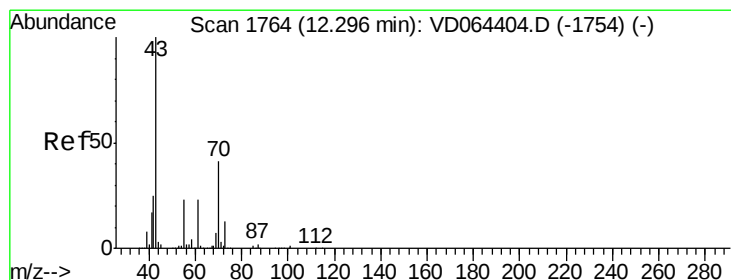
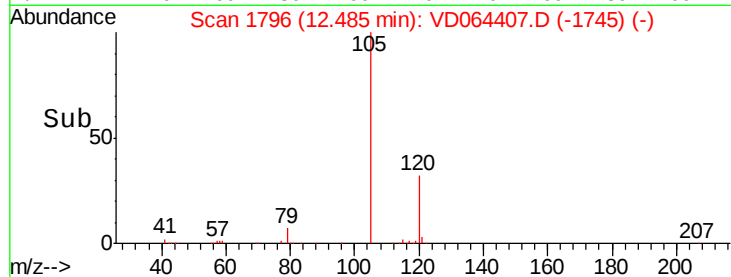
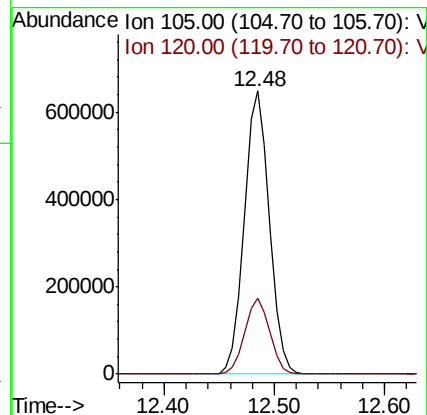
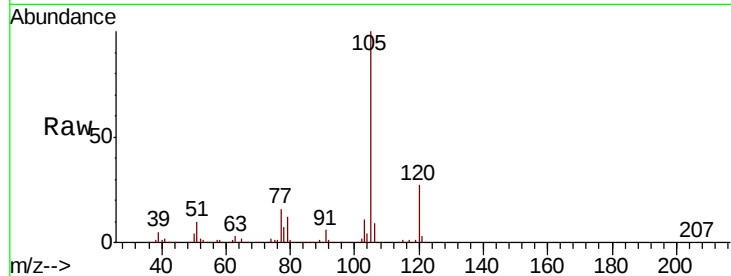
ClientSampleId :

Tot Ion:105 Resp: 1034101

Ion Ratio Lower Upper

105 100

120 26.8 13.4 40.2



#74

N-ethyl acetate

Concen: 52.888 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Tgt Ion: 43 Resp: 256159

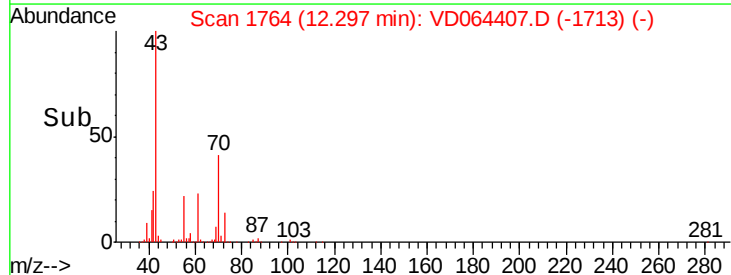
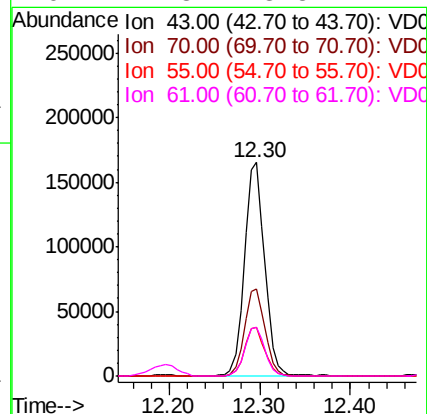
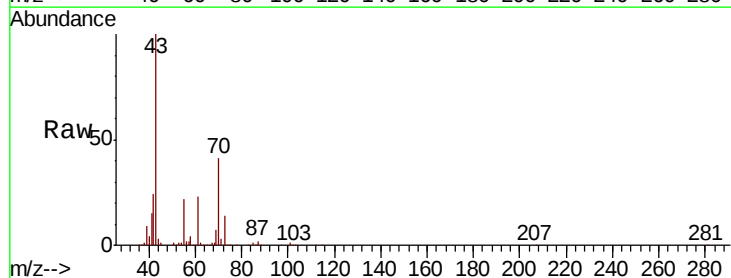
Ion Ratio Lower Upper

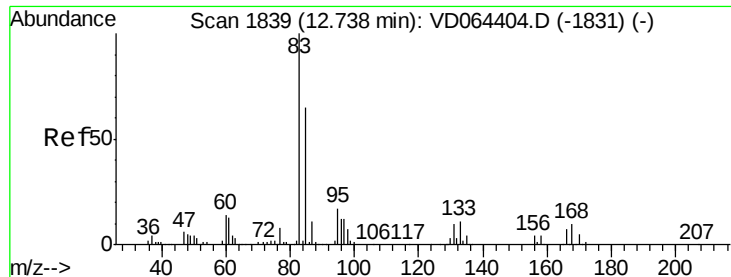
43 100

70 41.3 33.4 50.2

55 23.0 18.9 28.3

61 22.8 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 49.654 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

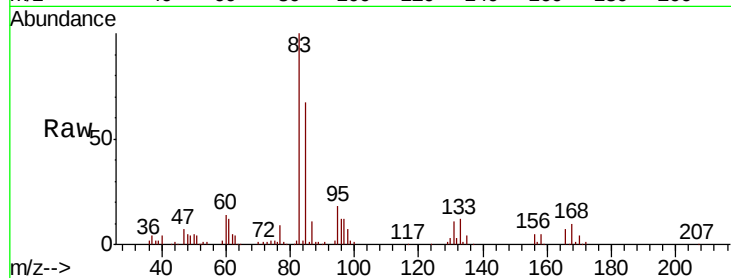
Tot Ion: 83 Resp: 175230

Ion Ratio Lower Upper

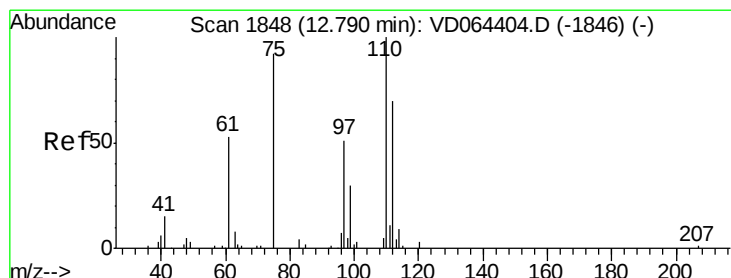
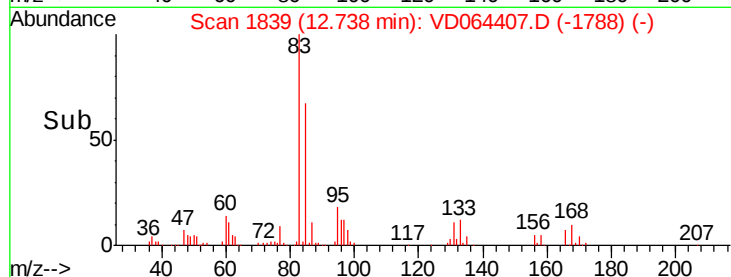
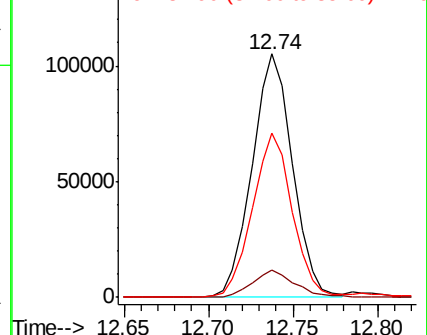
83 100

131 11.8 5.7 17.0

85 66.1 31.3 93.9



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 95.303 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064407.D

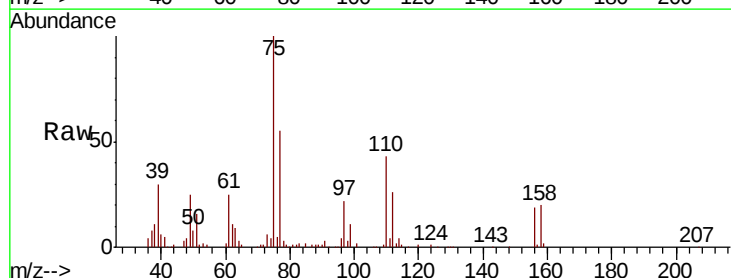
Acq: 27 Nov 2019 21:10

Tgt Ion: 75 Resp: 232548

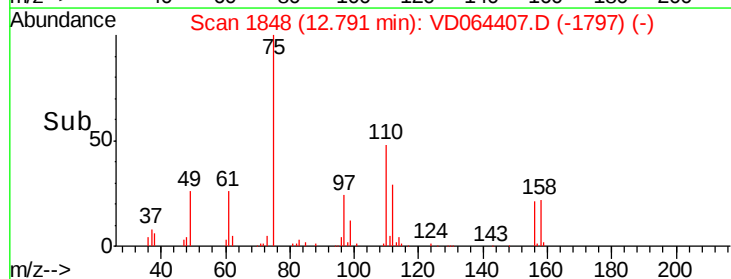
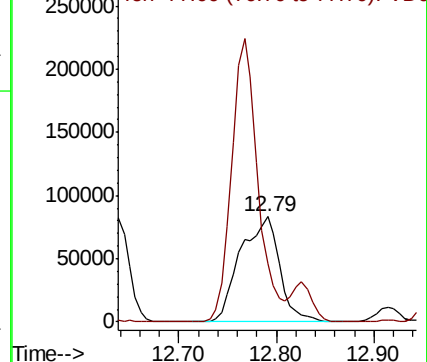
Ion Ratio Lower Upper

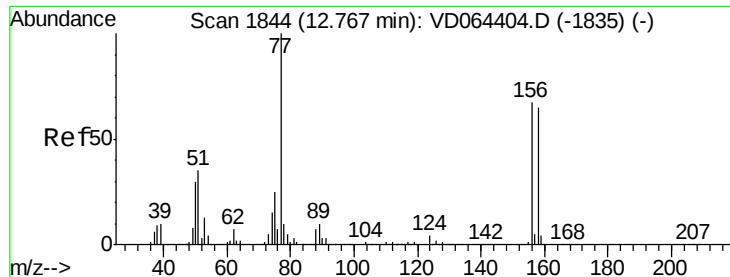
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 50.851 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

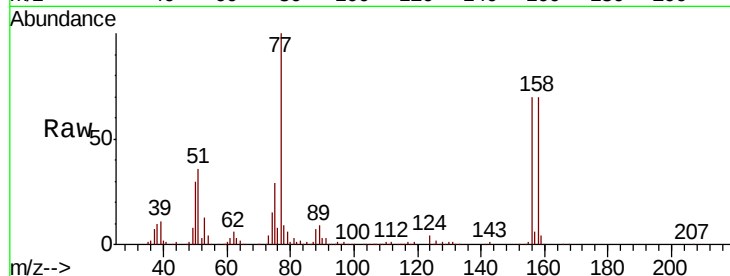
Tot Ion:156 Resp: 267977

Ion Ratio Lower Upper

156 100

77 156.8 80.0 240.2

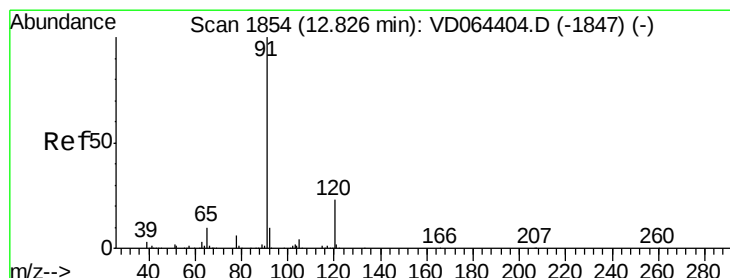
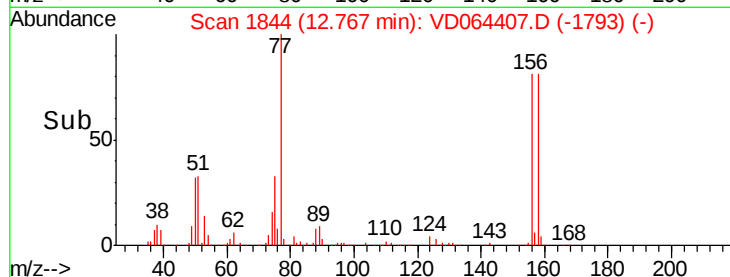
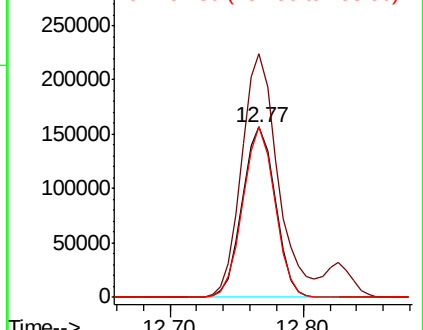
158 97.2 48.9 146.6



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: 48.915 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064407.D

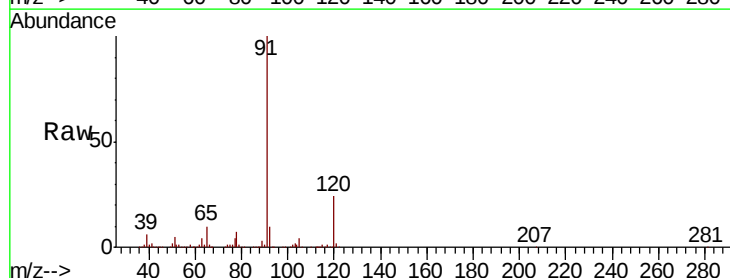
Acq: 27 Nov 2019 21:10

Tgt Ion: 91 Resp: 1204397

Ion Ratio Lower Upper

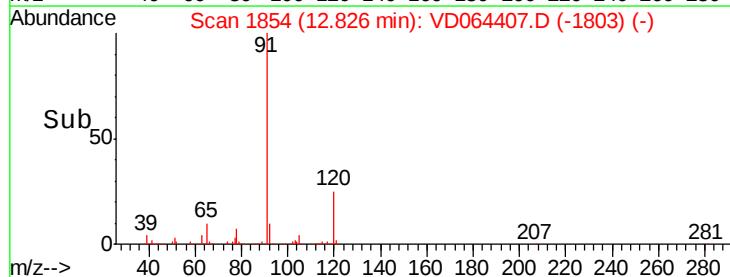
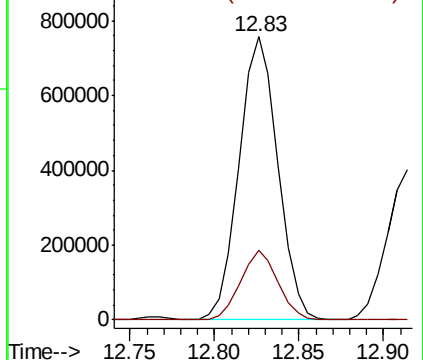
91 100

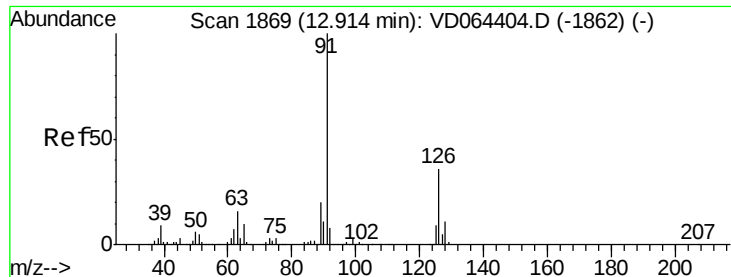
120 23.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

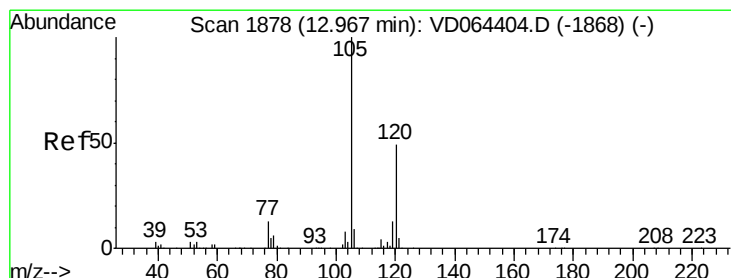
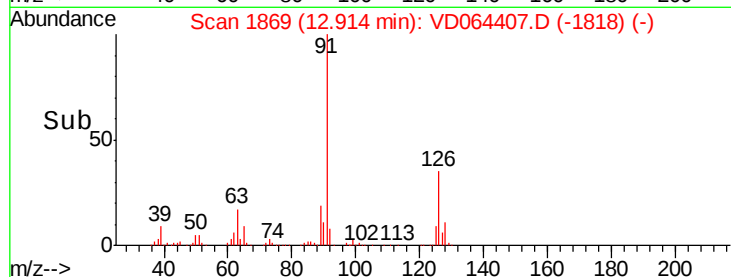
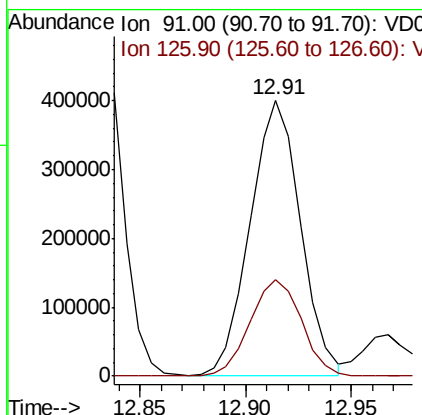
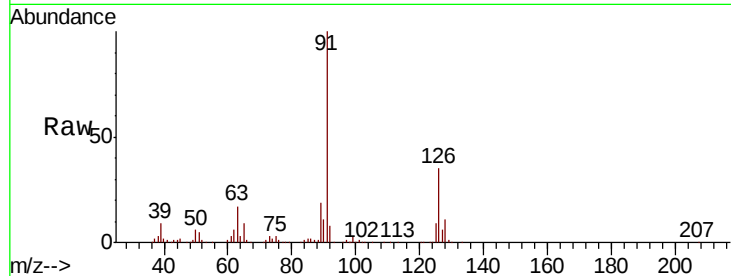




#79
 2-Chlorotoluene
 Concen: 49.045 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD064407.D
 Acq: 27 Nov 2019 21:10

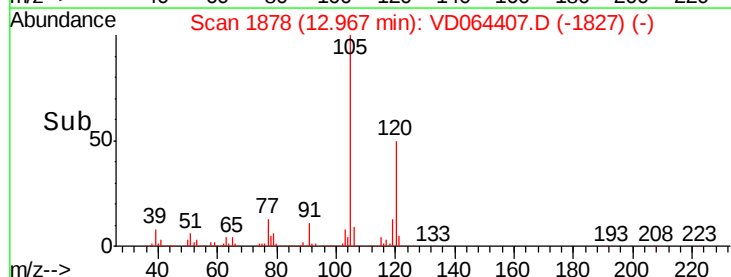
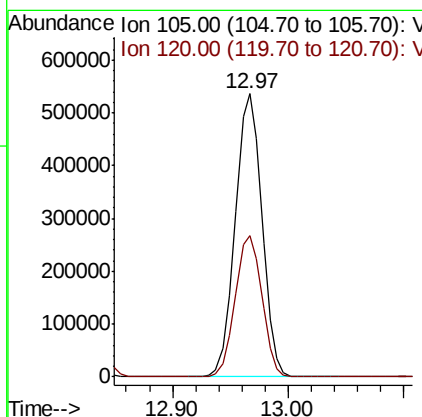
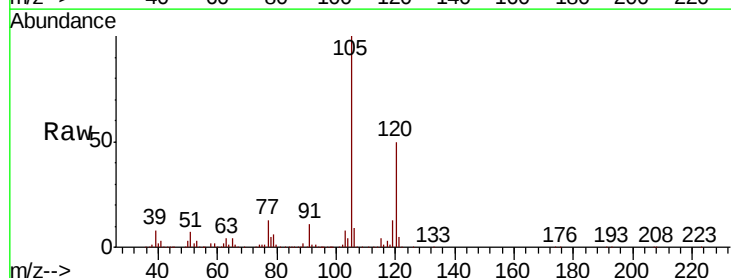
Instrument :
 MSVOA_D
 ClientSampled :

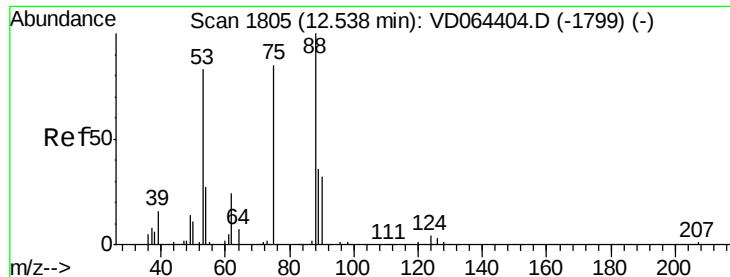
Tot Ion: 91 Resp: 664472
 Ion Ratio Lower Upper
 91 100
 126 36.0 18.0 54.0



#80
 1,3,5-Trimethylbenzene
 Concen: 49.096 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD064407.D
 Acq: 27 Nov 2019 21:10

Tgt Ion: 105 Resp: 856177
 Ion Ratio Lower Upper
 105 100
 120 50.3 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 51.382 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

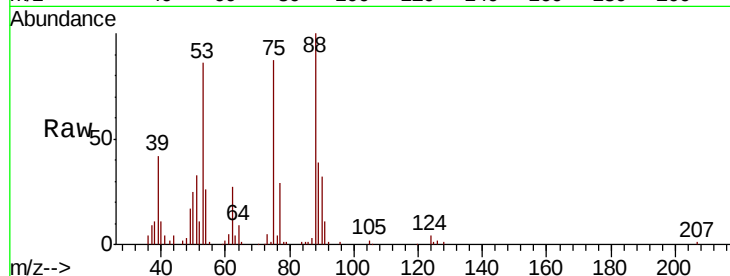
Tot Ion: 75 Resp: 57498

Ion Ratio Lower Upper

75 100

53 102.6 81.0 121.6

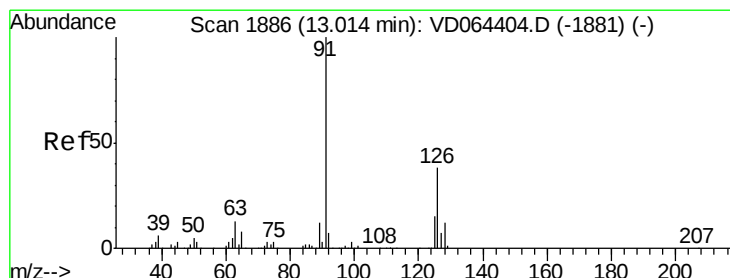
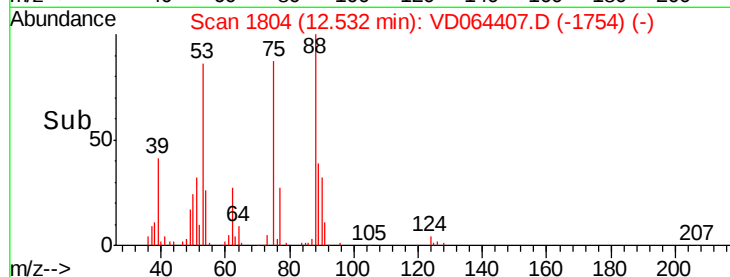
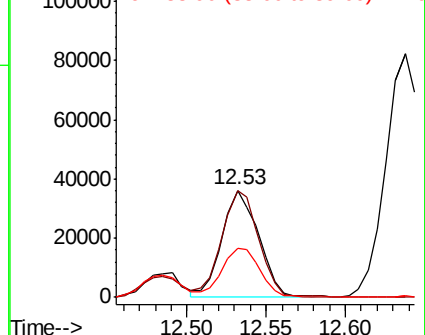
89 48.3 38.5 57.7



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 48.749 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD064407.D

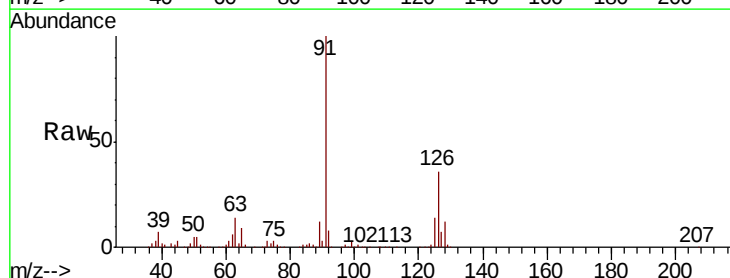
Acq: 27 Nov 2019 21:10

Tgt Ion: 91 Resp: 699291

Ion Ratio Lower Upper

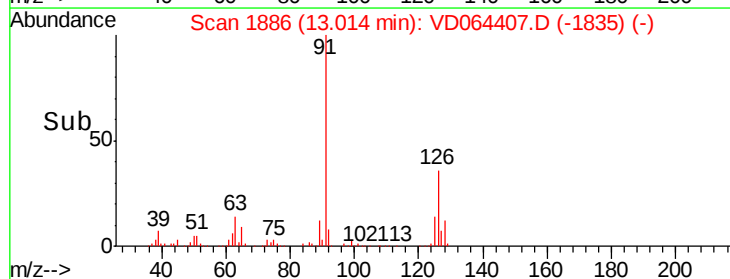
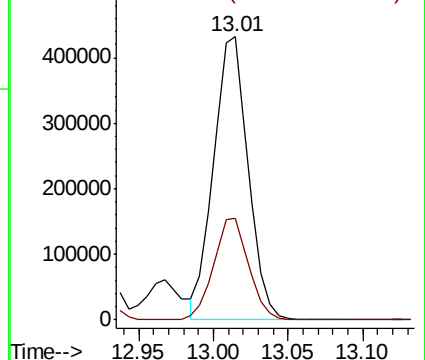
91 100

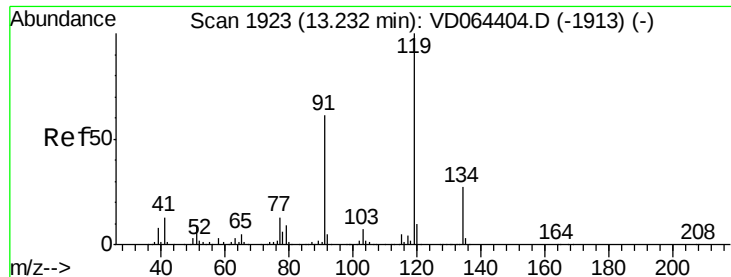
126 36.5 18.2 54.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

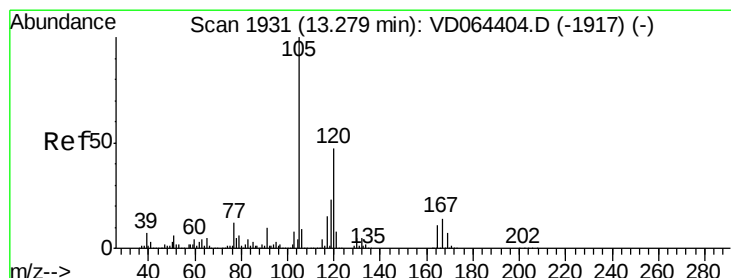
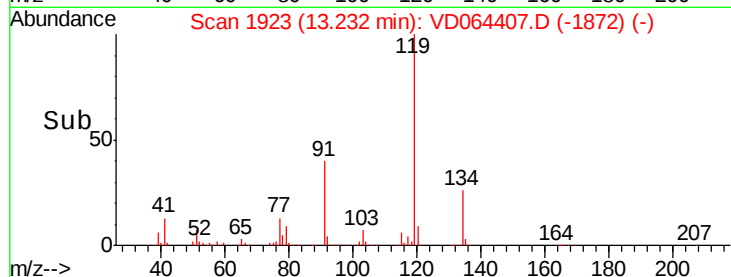
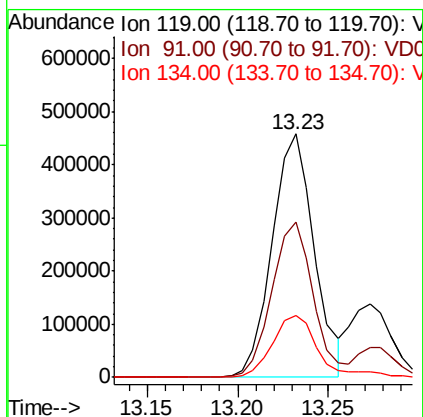
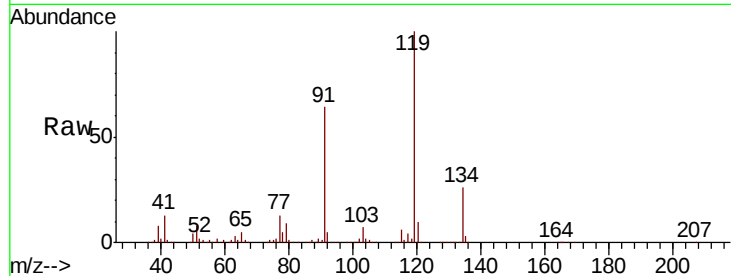




#83
tert-Butylbenzene
Concen: 49.007 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

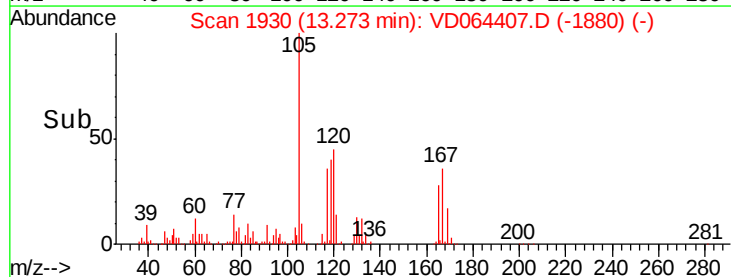
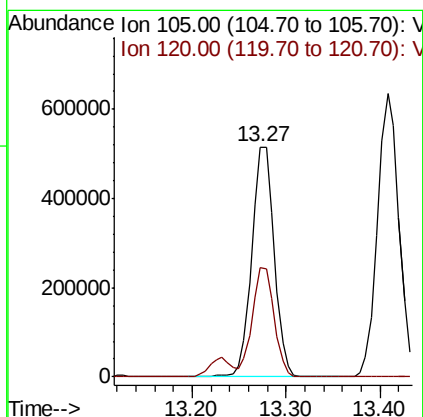
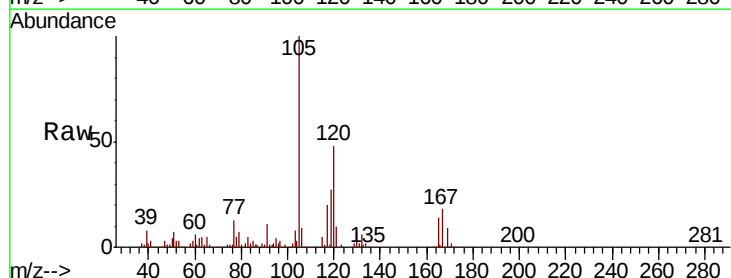
Instrument :
MSVOA_D
ClientSampleId :

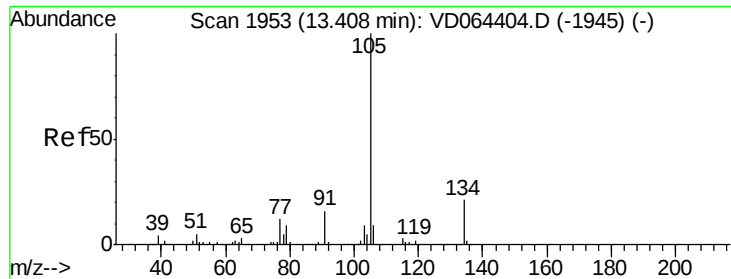
Tot Ion:119 Resp: 742997
Ion Ratio Lower Upper
119 100
91 63.2 31.2 93.6
134 27.9 13.9 41.7



#84
1,2,4-Trimethylbenzene
Concen: 48.749 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD064407.D
Acq: 27 Nov 2019 21:10

Tgt Ion:105 Resp: 854837
Ion Ratio Lower Upper
105 100
120 46.3 23.6 70.8





#85

sec-Butylbenzene

Concen: 48.199 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Instrument :

MSVOA_D

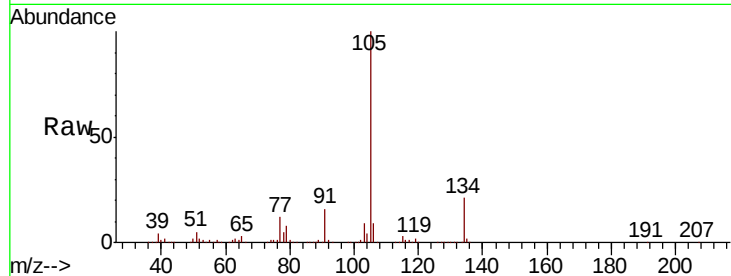
ClientSampleId :

Tot Ion:105 Resp: 1002944

Ion Ratio Lower Upper

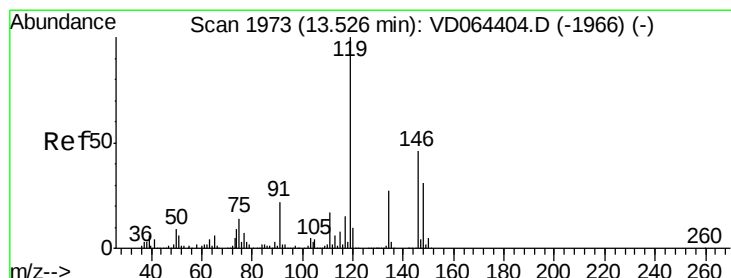
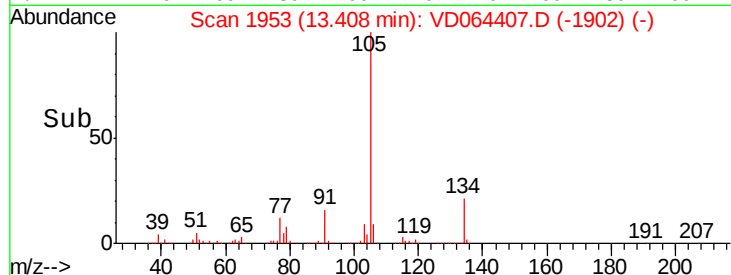
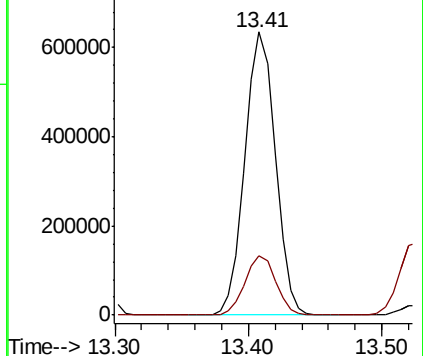
105 100

134 21.1 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.234 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

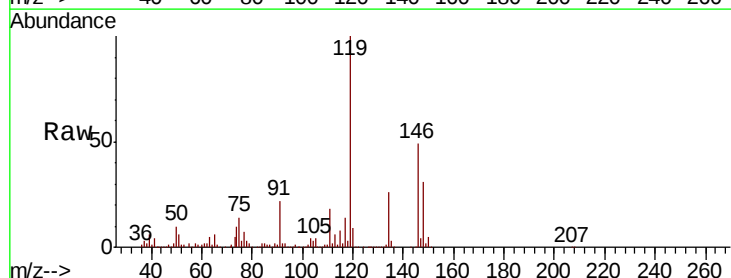
Tgt Ion:119 Resp: 967195

Ion Ratio Lower Upper

119 100

134 26.5 13.5 40.4

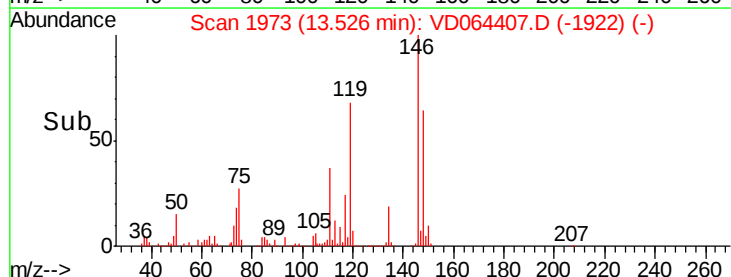
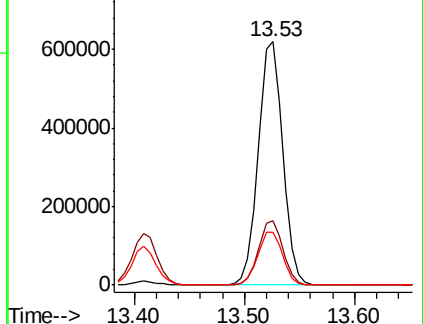
91 22.2 11.2 33.5

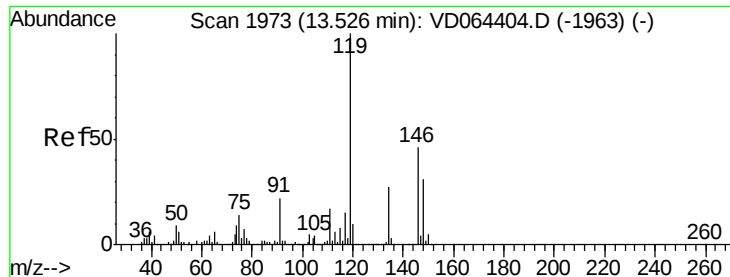


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 49.392 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

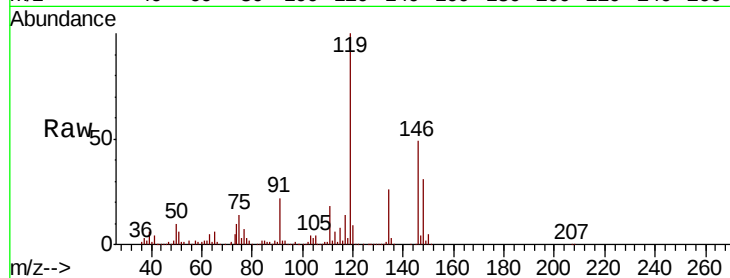
Tot Ion:146 Resp: 494027

Ion Ratio Lower Upper

146 100

111 37.0 18.8 56.4

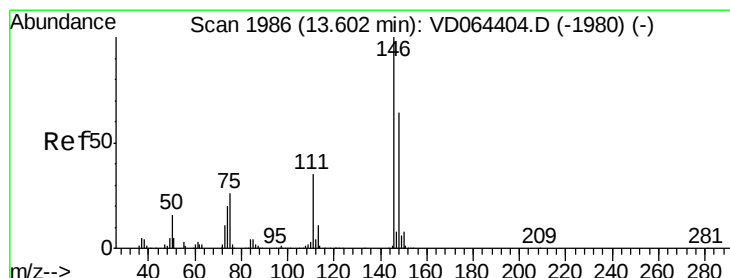
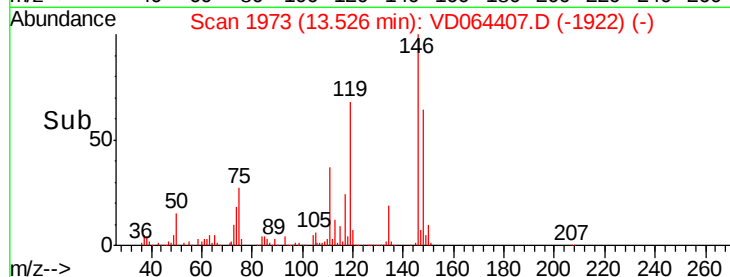
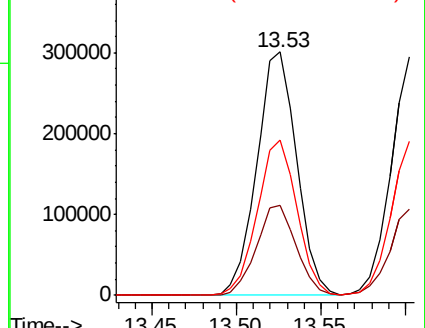
148 63.4 32.6 97.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 48.408 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

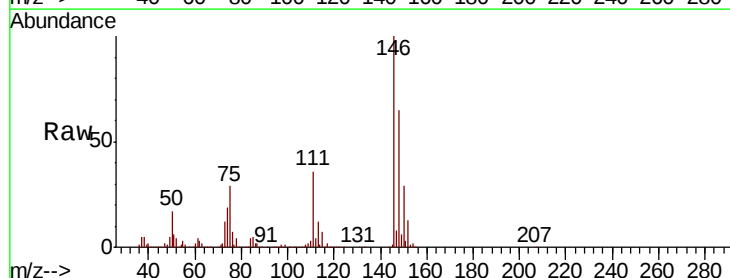
Tgt Ion:146 Resp: 478023

Ion Ratio Lower Upper

146 100

111 36.1 18.2 54.6

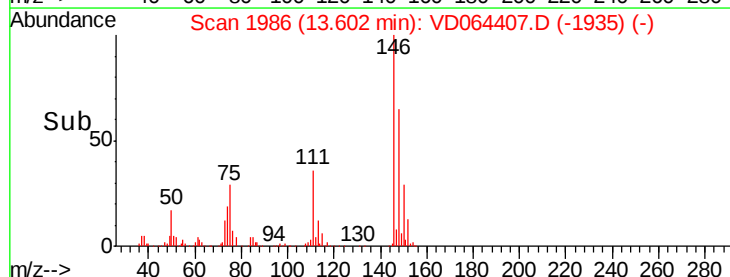
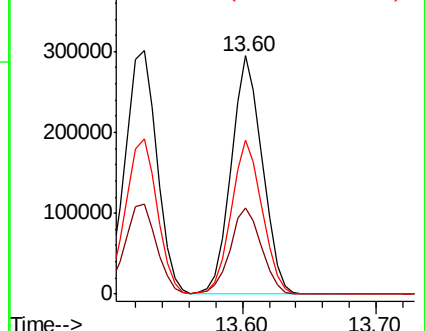
148 64.2 31.8 95.4

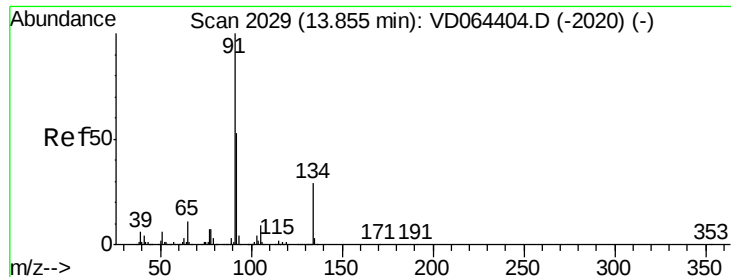


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 48.479 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. -0.01 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

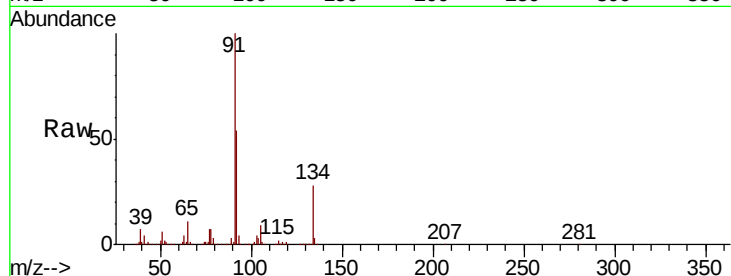
Tot Ion: 91 Resp: 864864

Ion Ratio Lower Upper

91 100

92 53.4 26.5 79.4

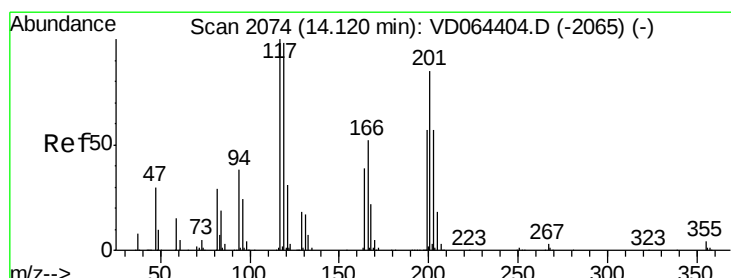
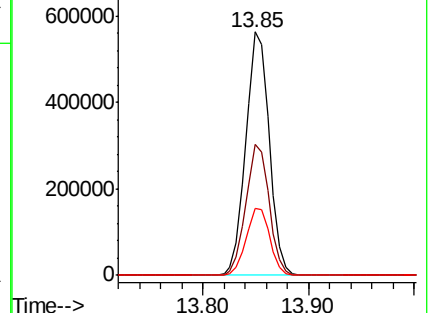
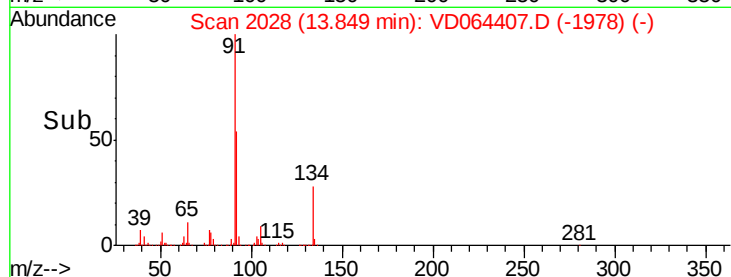
134 27.8 13.9 41.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 49.420 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD064407.D

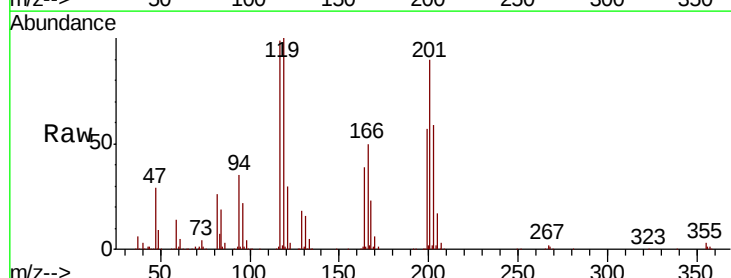
Acq: 27 Nov 2019 21:10

Tgt Ion: 117 Resp: 181585

Ion Ratio Lower Upper

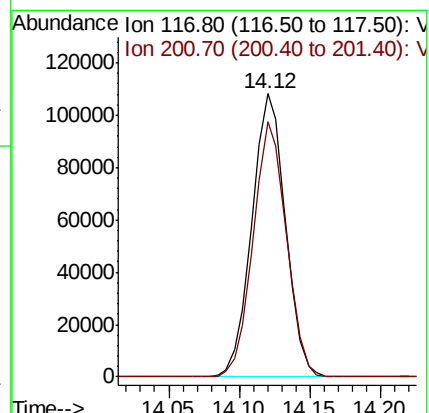
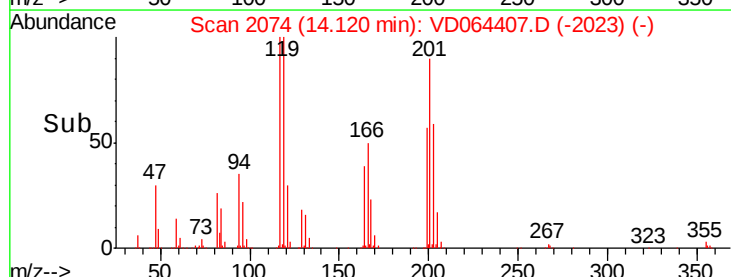
117 100

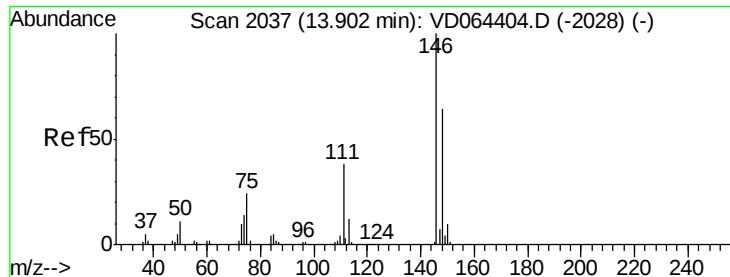
201 88.9 44.3 132.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 50.023 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.01 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

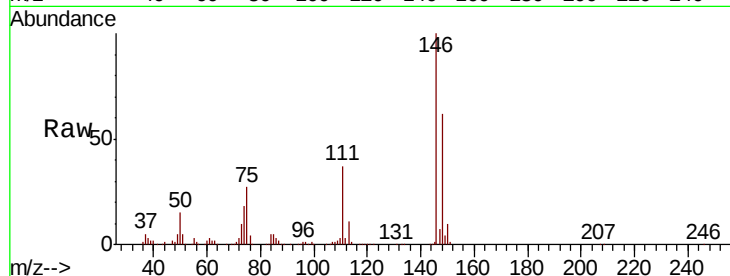
Tot Ion:146 Resp: 427594

Ion Ratio Lower Upper

146 100

111 37.7 19.1 57.3

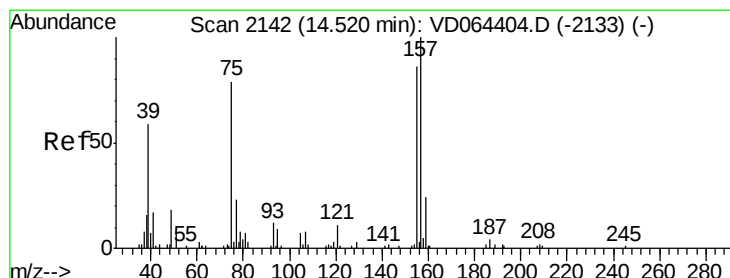
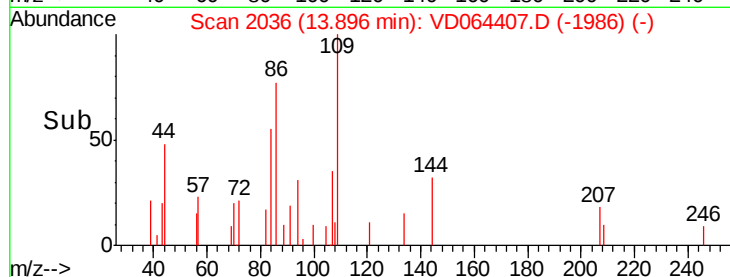
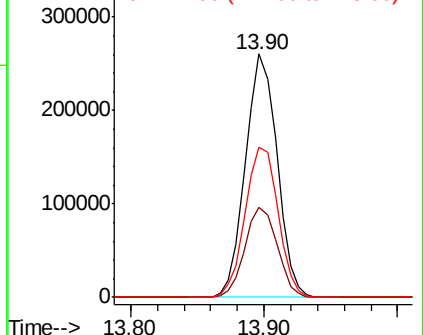
148 64.1 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 54.510 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.00 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

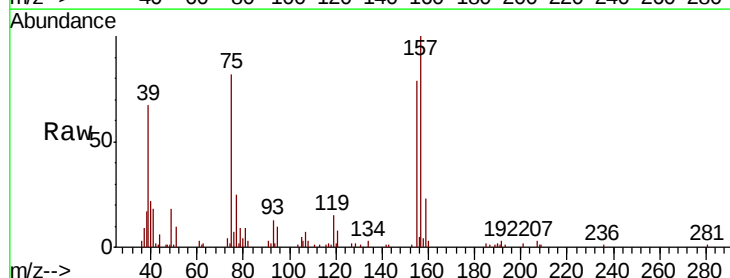
Tgt Ion: 75 Resp: 28535

Ion Ratio Lower Upper

75 100

155 97.9 51.9 155.7

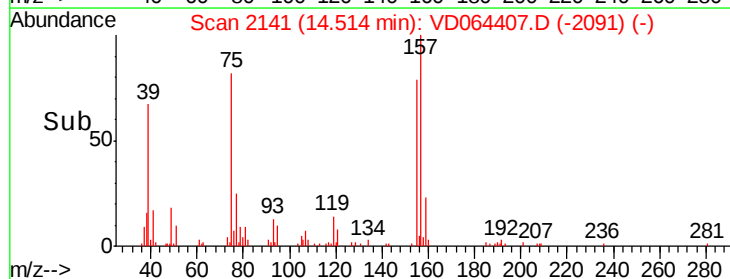
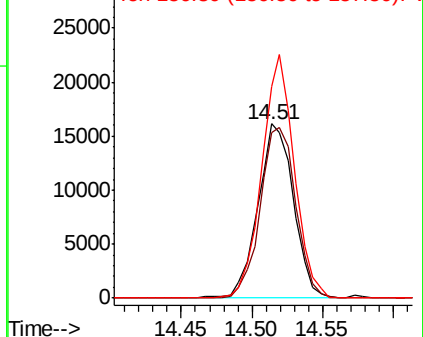
157 126.9 63.2 189.8

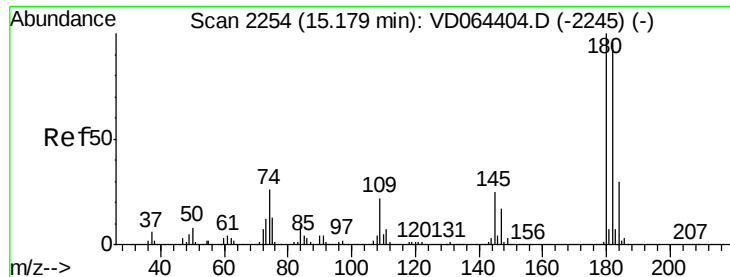


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

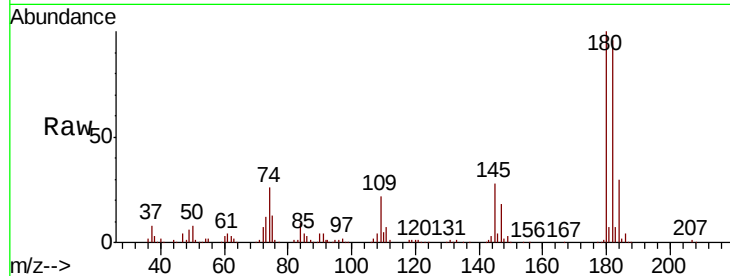




#93
 1,2,4-Trichlorobenzene
 Concen: 48.789 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064407.D
 Acq: 27 Nov 2019 21:10

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.4	142.3
145	28.0	14.0	41.9

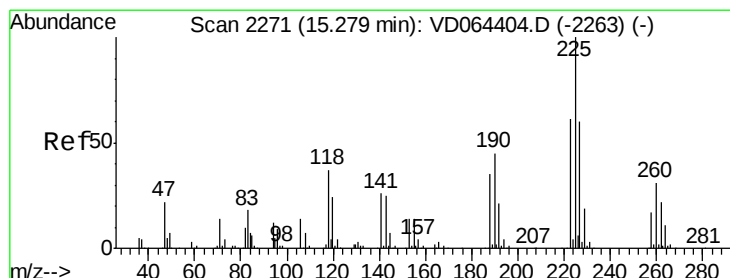
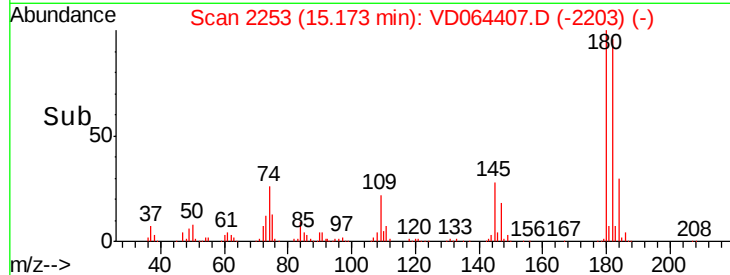
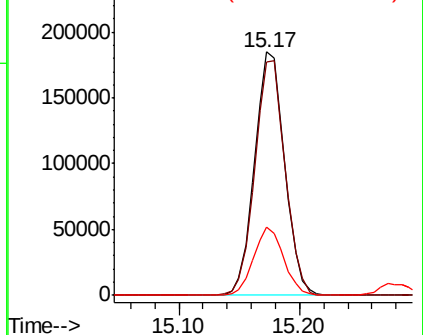


Abundance

Ion 179.80 (179.50 to 180.50): V

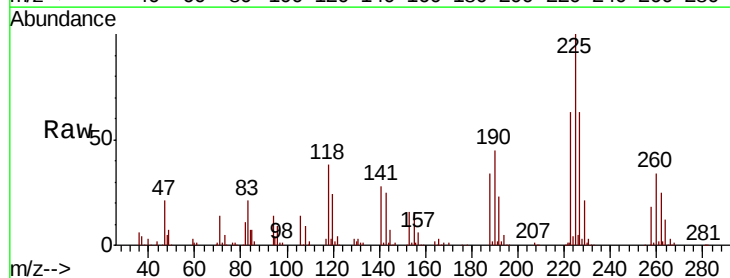
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 48.469 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064407.D
 Acq: 27 Nov 2019 21:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.1	93.3
227	63.8	31.8	95.4

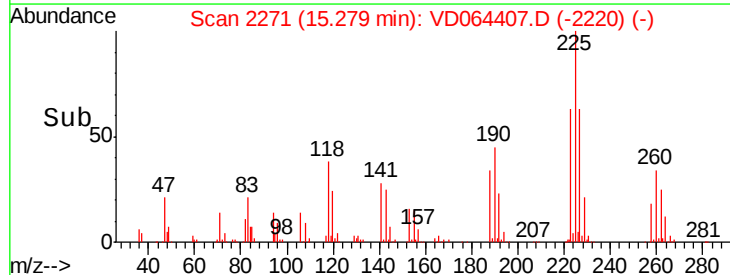
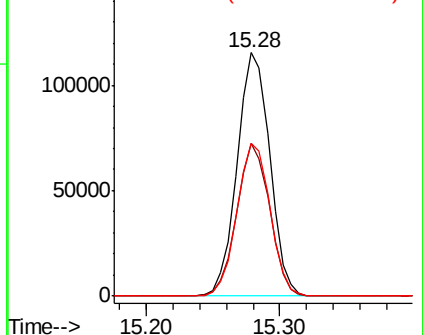


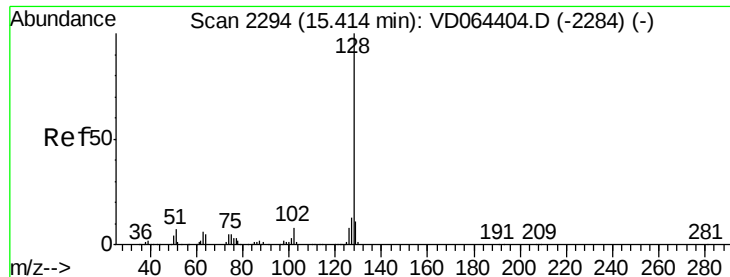
Abundance

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: 51.155 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

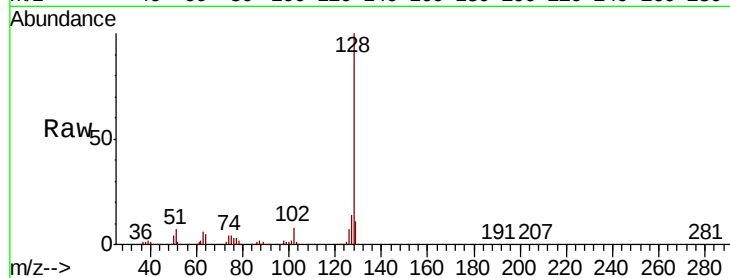
Tot Ion:128 Resp: 558874

Ion Ratio Lower Upper

128 100

127 13.6 10.5 15.7

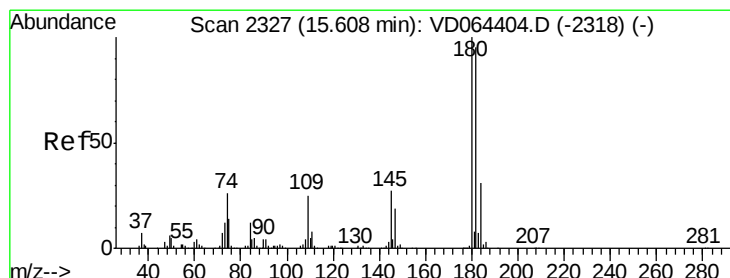
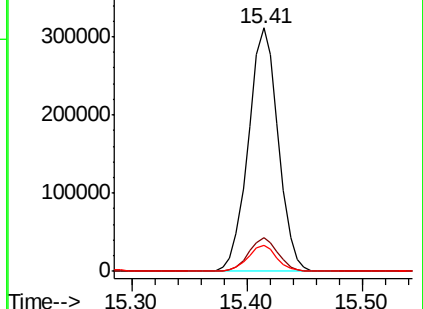
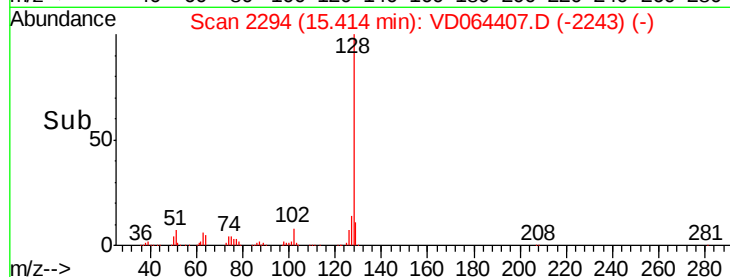
129 10.5 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.908 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064407.D

Acq: 27 Nov 2019 21:10

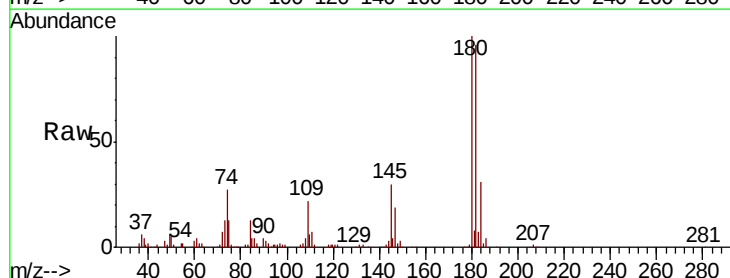
Tgt Ion:180 Resp: 278887

Ion Ratio Lower Upper

180 100

182 94.3 47.6 142.9

145 29.8 14.6 43.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

