

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120619\
 Data File : VD064467.D
 Acq On : 06 Dec 2019 19:17
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 06 22:38:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	447034	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	667596	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	610016	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	305368	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	211980	52.39	ug/l	0.00
Spiked Amount			Recovery	=	104.78%	
35) Dibromofluoromethane	7.92	113	214133	50.91	ug/l	0.00
Spiked Amount			Recovery	=	101.82%	
50) Toluene-d8	10.34	98	798212	50.38	ug/l	0.00
Spiked Amount			Recovery	=	100.76%	
62) 4-Bromofluorobenzene	12.64	95	252841	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	179772	44.382	ug/l	98
3) Chloromethane	2.21	50	244307	47.820	ug/l	99
4) Vinyl Chloride	2.35	62	285915	48.470	ug/l	100
5) Bromomethane	2.77	94	201339	46.155	ug/l	99
6) Chloroethane	2.93	64	198329	50.303	ug/l	100
7) Trichlorofluoromethane	3.27	101	484696	49.428	ug/l	96
8) Diethyl Ether	3.71	74	102536	50.319	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	203338	48.361	ug/l	97
10) Methyl Iodide	4.30	142	233889	52.675	ug/l	100
11) Tert butyl alcohol	5.26	59	60951	236.640	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	197568	49.032	ug/l	95
13) Acrolein	3.93	56	79115	225.194	ug/l	97
14) Allyl chloride	4.71	41	319141	50.751	ug/l	98
15) Acrylonitrile	5.44	53	219252	246.052	ug/l	99
16) Acetone	4.17	43	185158	226.444	ug/l	95
17) Carbon Disulfide	4.40	76	618120	48.436	ug/l	97
18) Methyl Acetate	4.73	43	118764	49.794	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	469163	50.760	ug/l	100
20) Methylene Chloride	4.96	84	229785	55.826	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	229466	50.346	ug/l	99
22) Diisopropyl ether	6.37	45	638813	51.459	ug/l	97
23) Vinyl Acetate	6.31	43	1893290	258.702	ug/l	99
24) 1,1-Dichloroethane	6.27	63	382170	51.191	ug/l	98
25) 2-Butanone	7.22	43	280444	242.522	ug/l	97
26) 2,2-Dichloropropane	7.21	77	321965	49.591	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	253131	50.942	ug/l	100
28) Bromochloromethane	7.55	49	139272	54.588	ug/l	98
29) Tetrahydrofuran	7.57	42	181952	247.315	ug/l	98
30) Chloroform	7.71	83	393385	50.879	ug/l	99
31) Cyclohexane	7.98	56	331268	50.908	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	364041	50.786	ug/l	98
36) 1,1-Dichloropropene	8.11	75	306027	48.464	ug/l	99
37) Ethyl Acetate	7.30	43	130740	48.795	ug/l	99
38) Carbon Tetrachloride	8.10	117	325093	48.780	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	370168	47.258	ug/l	98
40) Benzene	8.35	78	870645	49.643	ug/l	100
41) Methacrylonitrile	7.53	41	85000	55.318	ug/l	98
42) 1,2-Dichloroethane	8.43	62	258011	50.446	ug/l	99
43) Isopropyl Acetate	8.46	43	256943	48.773	ug/l	99
44) Trichloroethene	9.11	130	255601	48.382	ug/l	97
45) 1,2-Dichloropropane	9.39	63	216395	51.592	ug/l	97
46) Dibromomethane	9.48	93	118835	50.199	ug/l	99
47) Bromodichloromethane	9.66	83	317008	52.116	ug/l	99
48) Methyl methacrylate	9.46	41	120707	50.072	ug/l	96
49) 1,4-Dioxane	9.47	88	28181	964.022	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	648414	248.754	ug/l	100
52) Toluene	10.40	92	557308	48.760	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	291092	50.214	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	350998	50.967	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	160045	49.374	ug/l	96
56) Ethyl methacrylate	10.67	69	208313	50.386	ug/l	99
57) 1,3-Dichloropropane	10.95	76	276336	50.080	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	389293	236.205	ug/l	100
59) 2-Hexanone	10.99	43	431523	238.578	ug/l	98
60) Dibromochloromethane	11.14	129	224054	50.979	ug/l	100
61) 1,2-Dibromoethane	11.25	107	159686	49.339	ug/l	100
64) Tetrachloroethene	10.88	164	218812	47.038	ug/l	97
65) Chlorobenzene	11.67	112	614216	48.276	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	235913	50.089	ug/l	98
67) Ethyl Benzene	11.75	91	1082171	47.805	ug/l	99
68) m/p-Xylenes	11.86	106	841492	97.493	ug/l	99
69) o-Xylene	12.18	106	389072	48.808	ug/l	99
70) Styrene	12.20	104	679636	49.062	ug/l	99
71) Bromoform	12.37	173	135249	47.997	ug/l #	96
73) Isopropylbenzene	12.48	105	1032294	47.003	ug/l	99
74) N-amyl acetate	12.29	43	238216	47.790	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	168239	46.323	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	224110	89.243	ug/l #	100
77) Bromobenzene	12.77	156	258211	47.609	ug/l	99
78) n-propylbenzene	12.83	91	1197744	47.266	ug/l	100
79) 2-Chlorotoluene	12.91	91	664731	47.673	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	846960	47.191	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	55482	48.175	ug/l	97
82) 4-Chlorotoluene	13.01	91	708064	47.962	ug/l	99
83) tert-Butylbenzene	13.23	119	752051	48.199	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	854471	47.347	ug/l	100
85) sec-Butylbenzene	13.41	105	1000997	46.743	ug/l	100
86) p-Isopropyltoluene	13.52	119	959118	47.439	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	487867	47.394	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	485127	47.735	ug/l	99
89) n-Butylbenzene	13.85	91	873040	47.551	ug/l	100
90) Hexachloroethane	14.12	117	177854	47.033	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	424188	48.218	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	25617	46.936	ug/l	97

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Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration

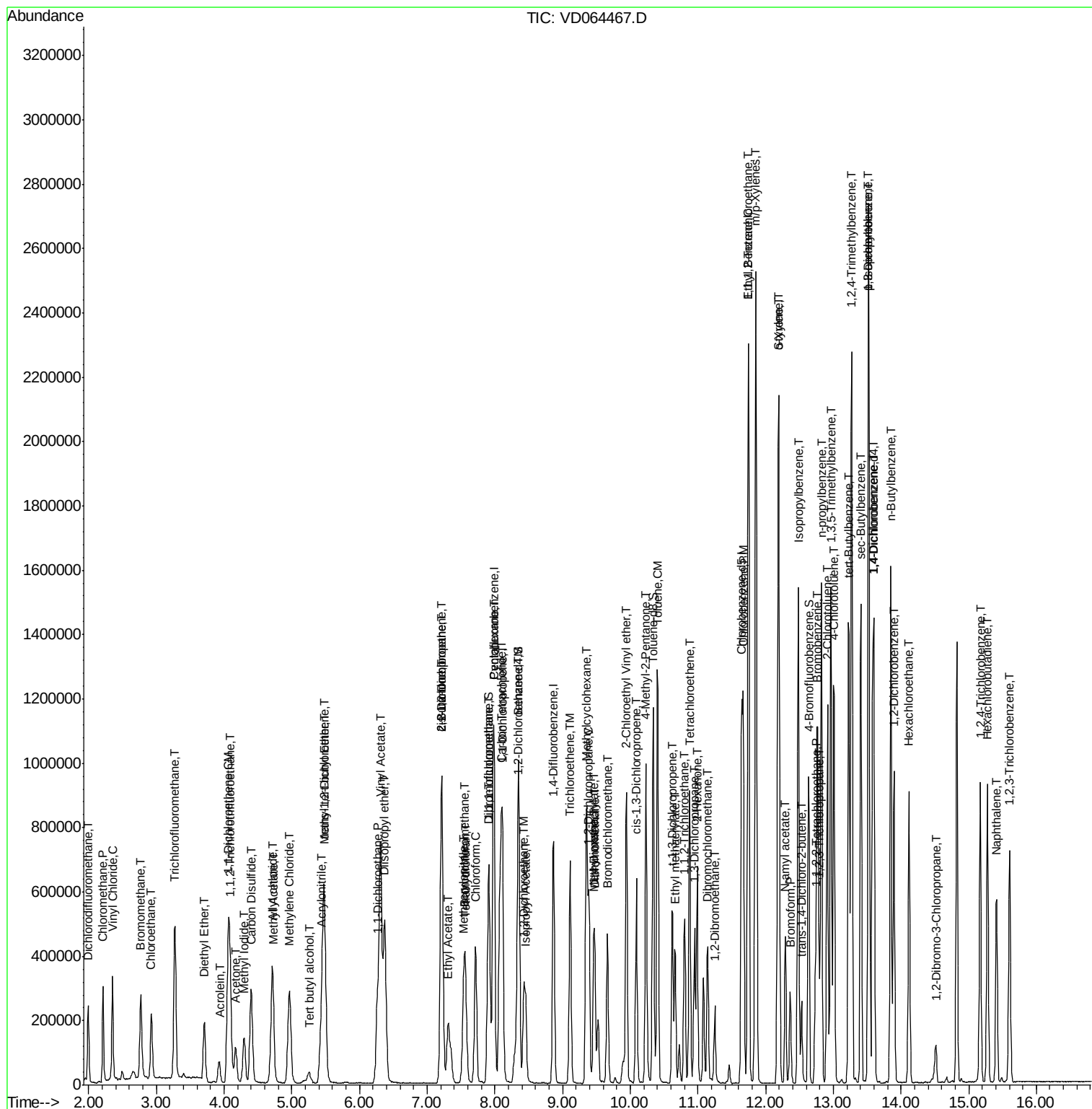
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	317528	47.130	ug/l	99
94) Hexachlorobutadiene	15.28	225	190788	45.871	ug/l	98
95) Naphthalene	15.41	128	521509	46.382	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	277108	48.184	ug/l	99

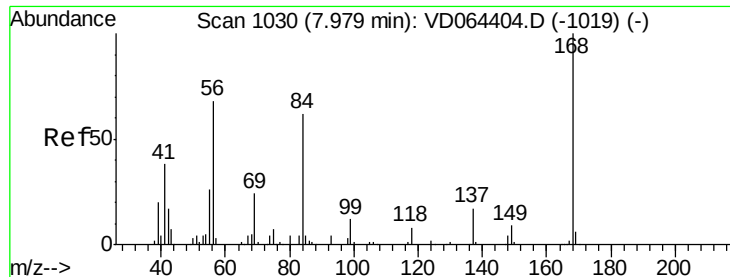
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD064467.D

Acq: 06 Dec 2019 19:17

Instrument :

MSVOA_D

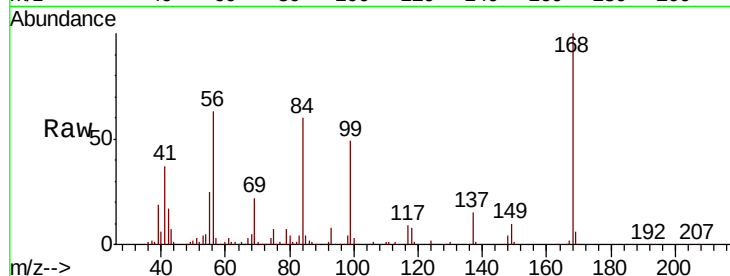
ClientSampleId :

Tot Ion:168 Resp: 447034

Ion Ratio Lower Upper

168 100

99 48.5 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

100000

50000

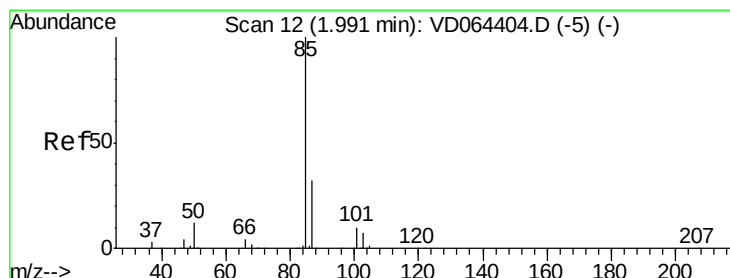
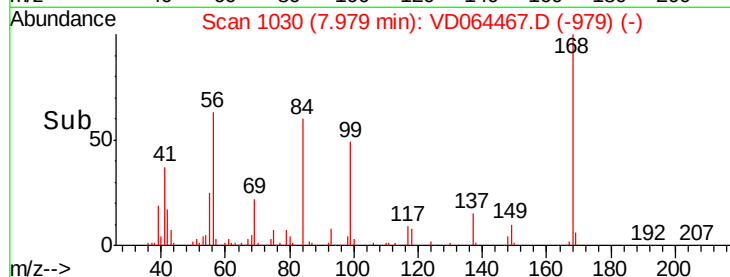
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 44.382 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064467.D

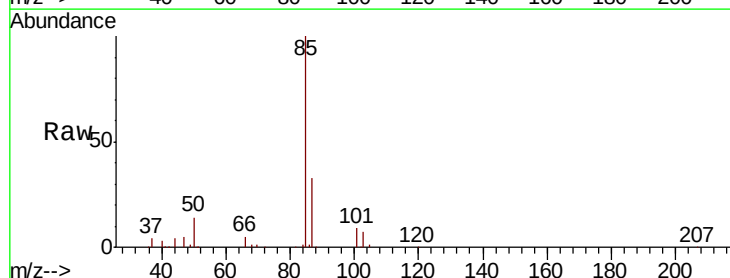
Acq: 06 Dec 2019 19:17

Tgt Ion: 85 Resp: 179772

Ion Ratio Lower Upper

85 100

87 33.3 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

150000

100000

50000

0

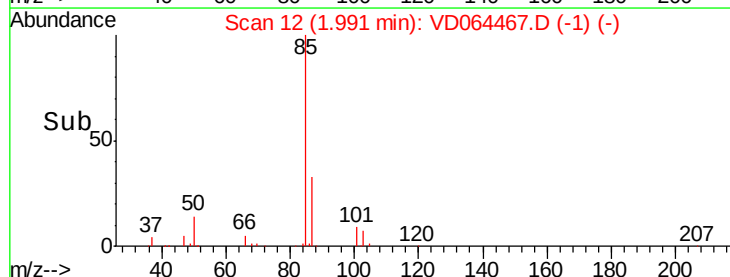
1.90

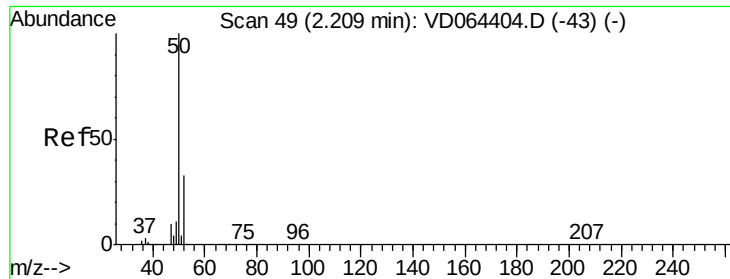
1.95

2.00

2.05

Time-->





#3

Chloromethane

Concen: 47.820 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064467.D

Acq: 06 Dec 2019 19:17

Instrument :

MSVOA_D

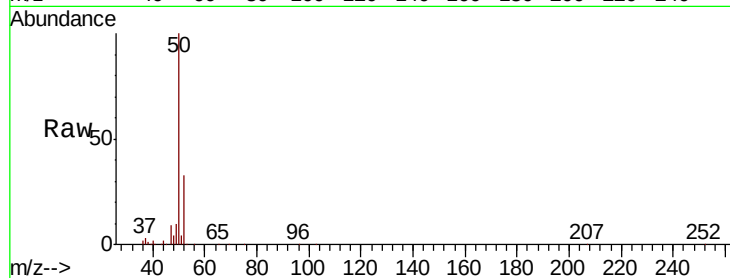
ClientSampleId :

Tot Ion: 50 Resp: 244307

Ion Ratio Lower Upper

50 100

52 32.8 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

200000

150000

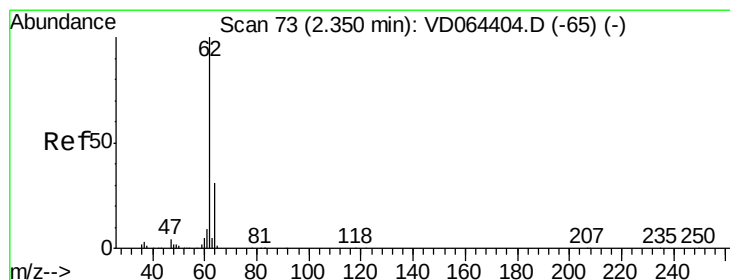
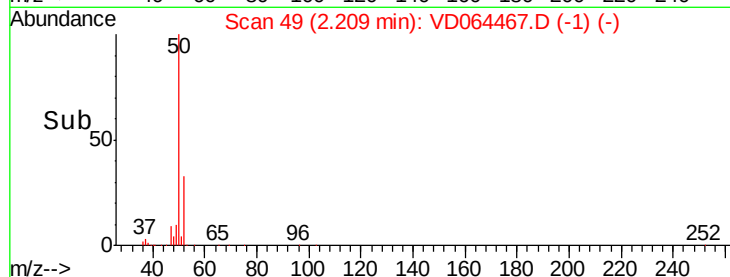
100000

50000

0

2.15 2.20 2.25 2.30

Time-->



#4

Vinyl Chloride

Concen: 48.470 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064467.D

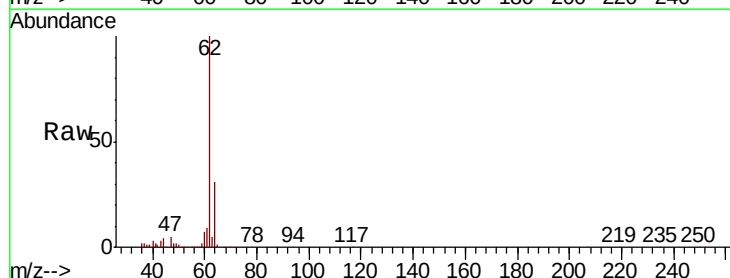
Acq: 06 Dec 2019 19:17

Tgt Ion: 62 Resp: 285915

Ion Ratio Lower Upper

62 100

64 31.0 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

200000

150000

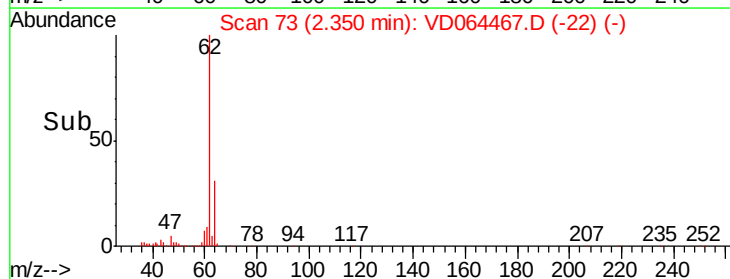
100000

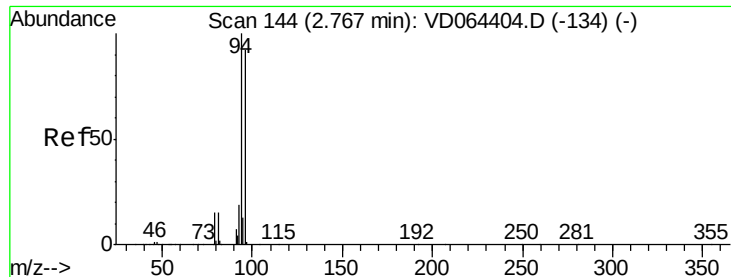
50000

0

2.30 2.40

Time-->





#5

Bromomethane

Concen: 46.155 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.00 min

Lab File: VD064467.D

Acq: 06 Dec 2019 19:17

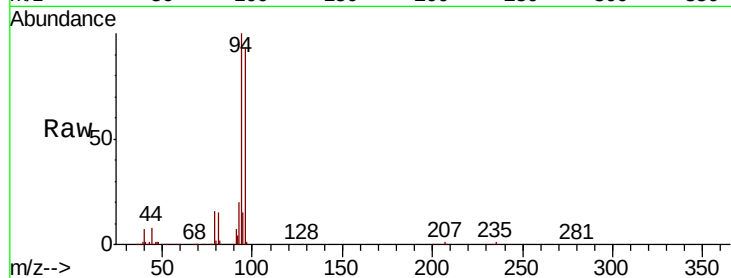
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 201339

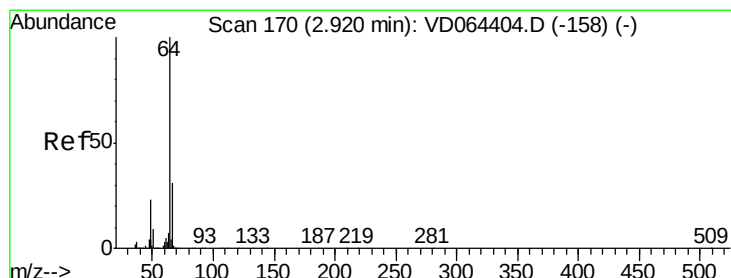
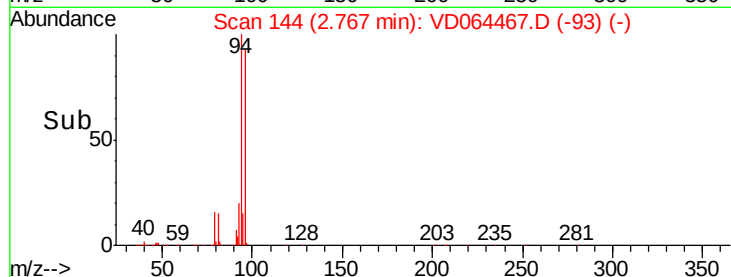
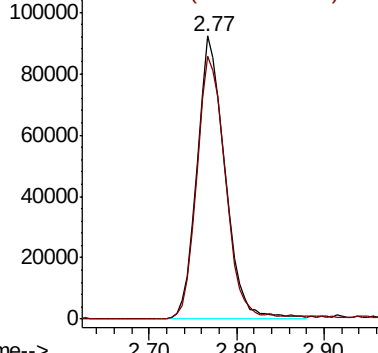
Ion Ratio Lower Upper

94 100

96 92.9 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: 50.303 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064467.D

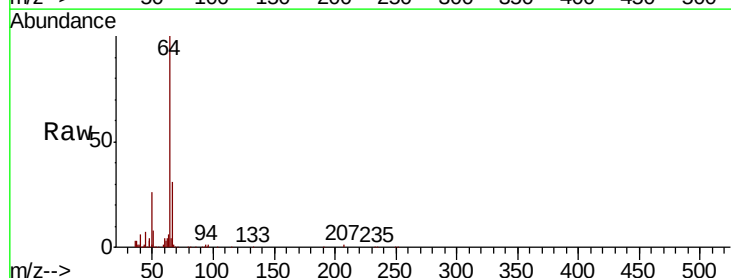
Acq: 06 Dec 2019 19:17

Tgt Ion: 64 Resp: 198329

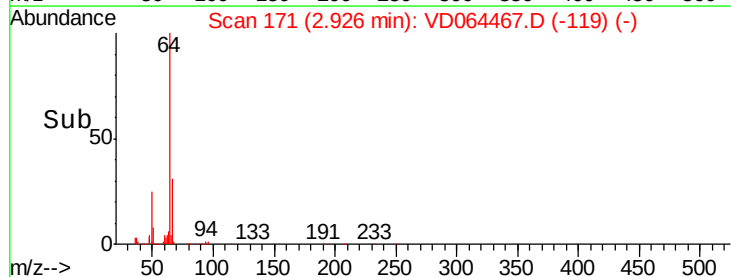
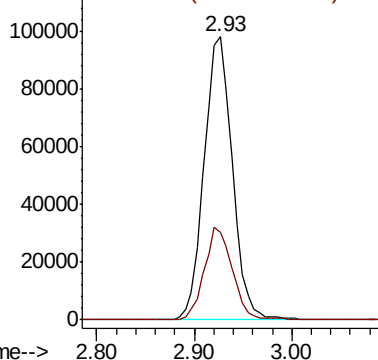
Ion Ratio Lower Upper

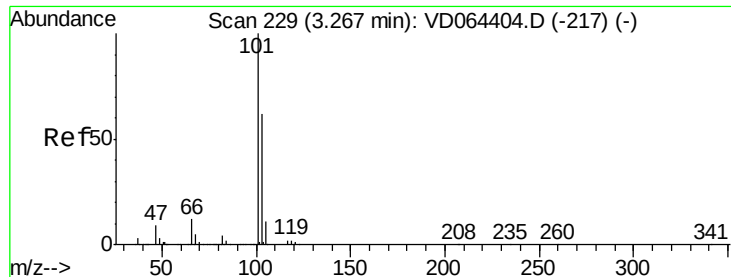
64 100

66 30.8 24.6 37.0



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



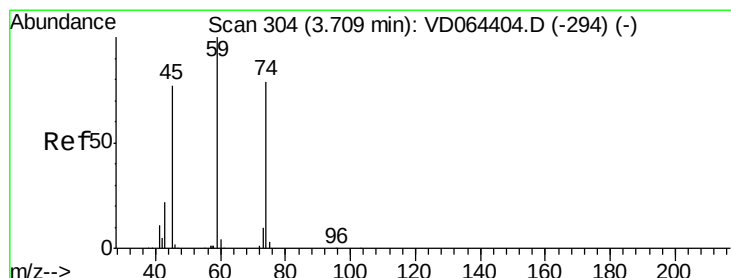
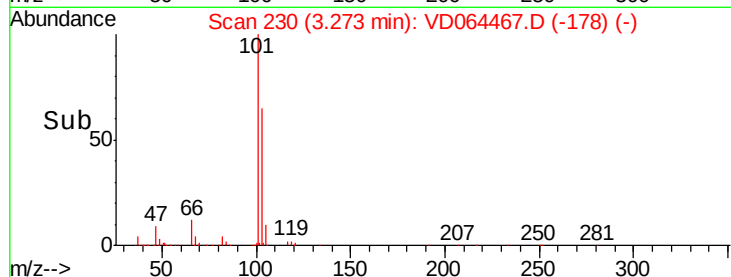
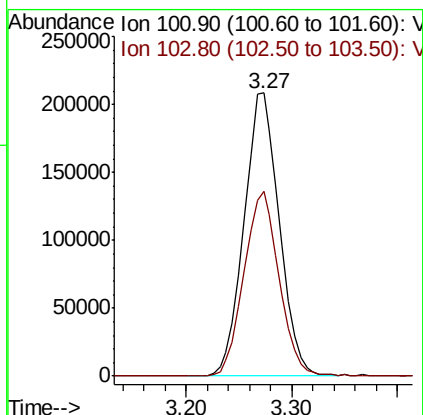
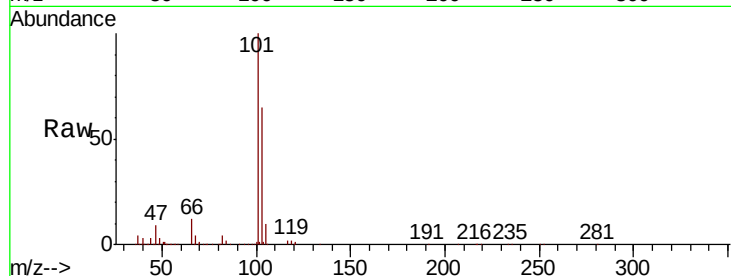


#7

Trichlorofluoromethane
 Concen: 49.428 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064467.D
 Acq: 06 Dec 2019 19:17

Instrument :
 MSVOA_D
 ClientSampleId :

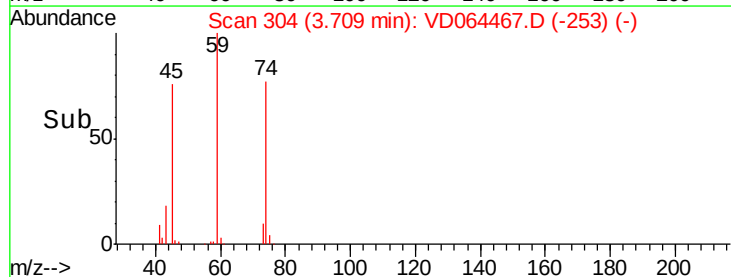
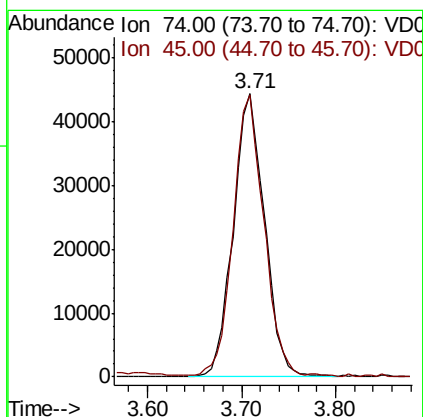
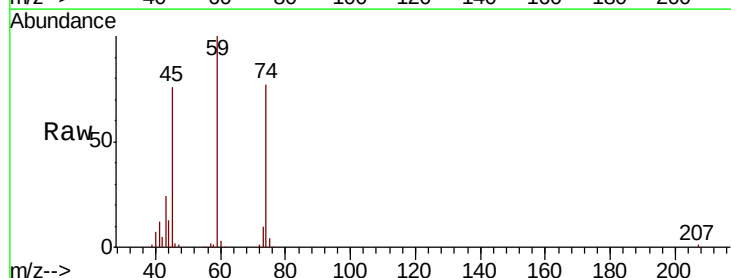
Tot Ion:101 Resp: 484696
 Ion Ratio Lower Upper
 101 100
 103 65.1 49.8 74.6

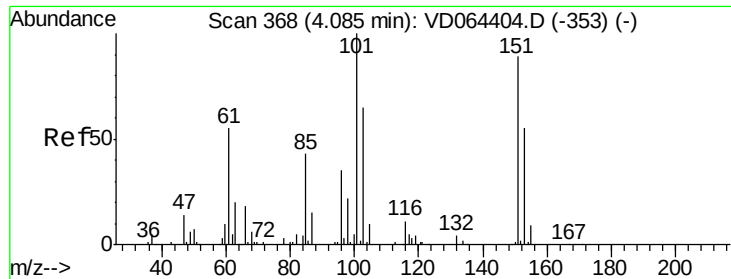


#8

Diethyl Ether
 Concen: 50.319 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD064467.D
 Acq: 06 Dec 2019 19:17

Tgt Ion: 74 Resp: 102536
 Ion Ratio Lower Upper
 74 100
 45 99.1 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.361 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD064467.D

Acq: 06 Dec 2019 19:17

Instrument :

MSVOA_D

ClientSampleId :

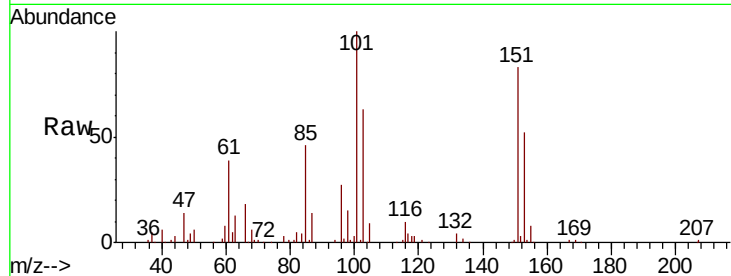
Tot Ion:101 Resp: 203338

Ion Ratio Lower Upper

101 100

85 45.1 34.8 52.2

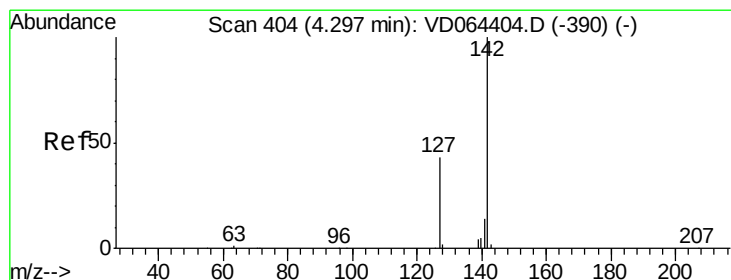
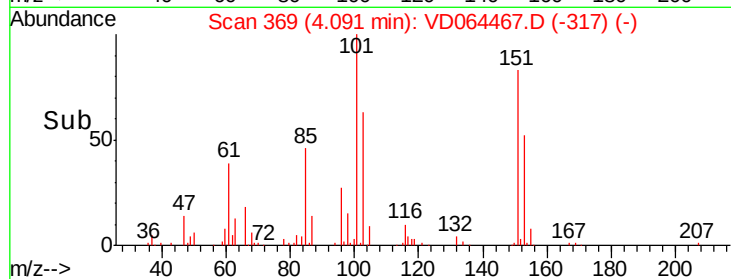
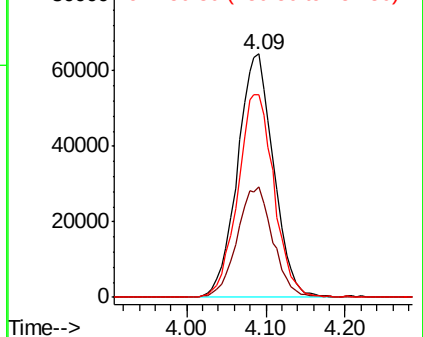
151 83.4 68.8 103.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.675 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD064467.D

Acq: 06 Dec 2019 19:17

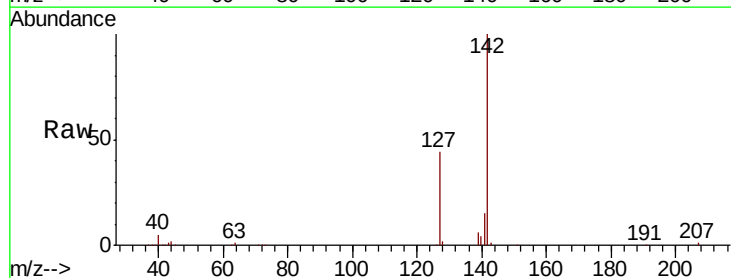
Tgt Ion:142 Resp: 233889

Ion Ratio Lower Upper

142 100

127 44.2 35.3 52.9

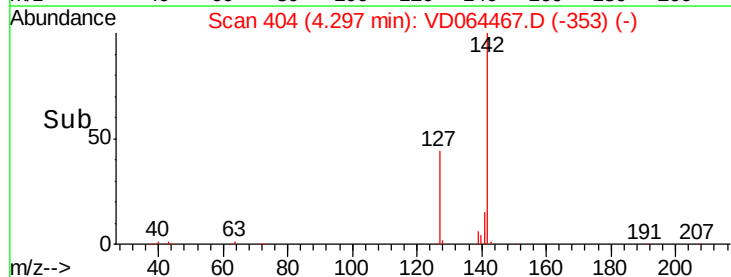
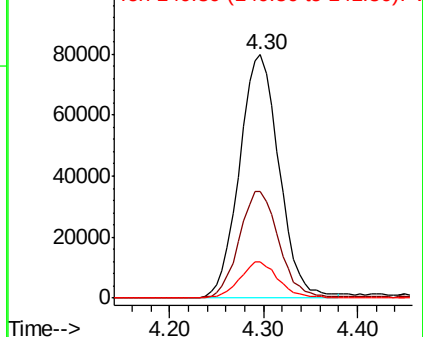
141 14.5 11.6 17.4

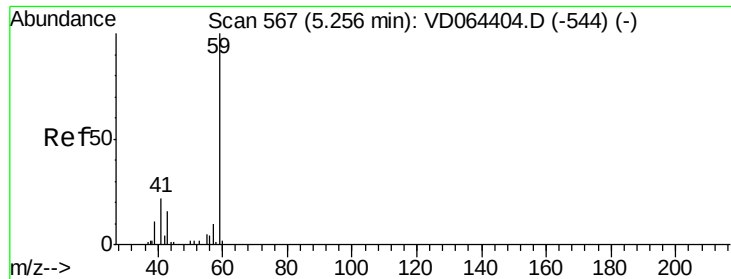


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



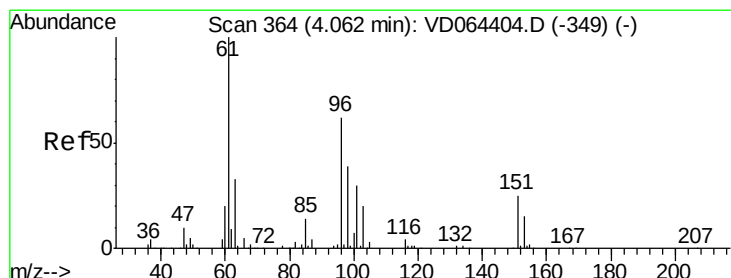
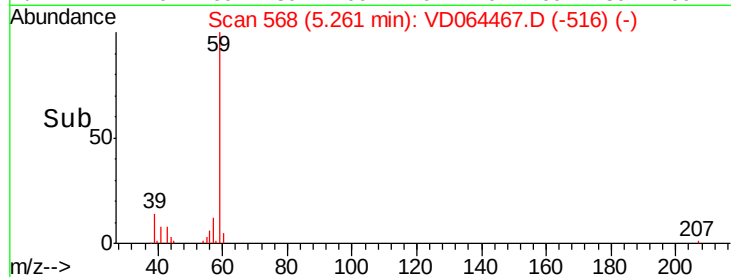
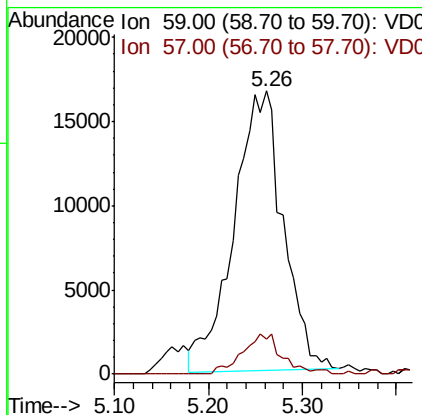
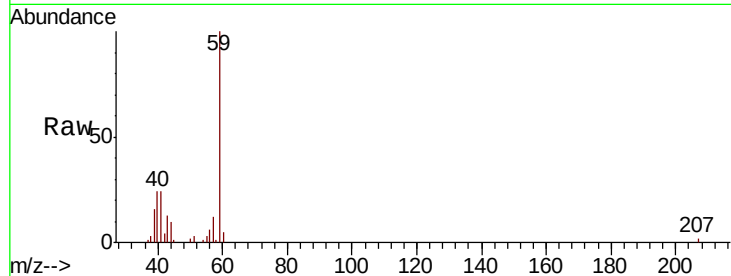


#11

Tert butyl alcohol
Concen: 236.640 ug/l
RT: 5.26 min Scan# 568
Delta R.T. 0.01 min
Lab File: VD064467.D
Acq: 06 Dec 2019 19:17

Instrument :
MSVOA_D
ClientSampleId :

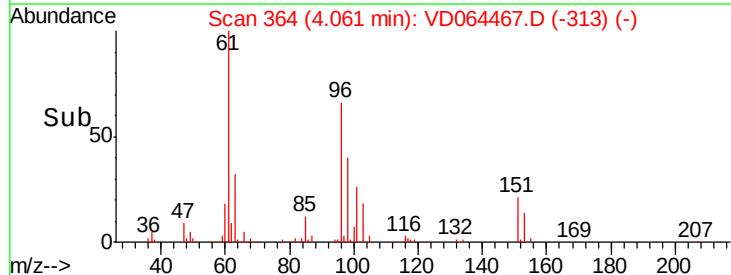
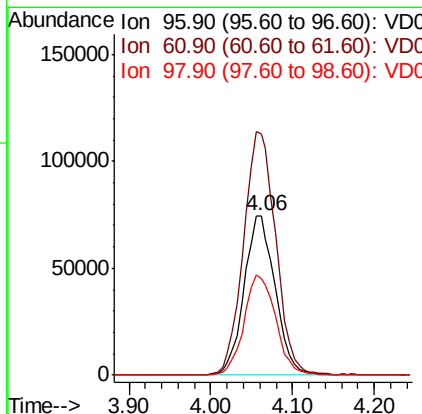
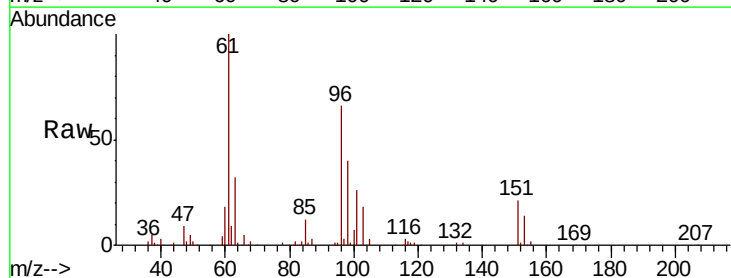
Tot Ion: 59 Resp: 60951
Ion Ratio Lower Upper
59 100
57 11.2 0.0 0.0#

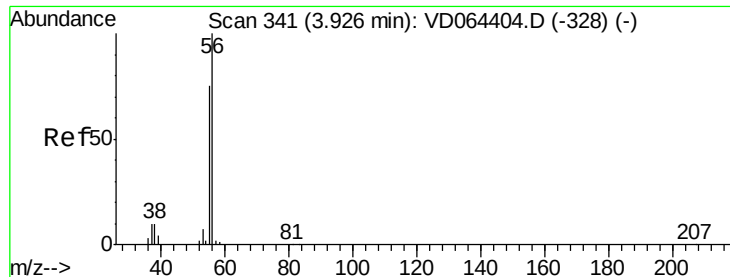


#12

1,1-Dichloroethene
Concen: 49.032 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD064467.D
Acq: 06 Dec 2019 19:17

Tgt Ion: 96 Resp: 197568
Ion Ratio Lower Upper
96 100
61 151.8 128.2 192.4
98 60.7 50.4 75.6





#13

Acrolein

Concen: 225.194 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD064467.D

Acq: 06 Dec 2019 19:17

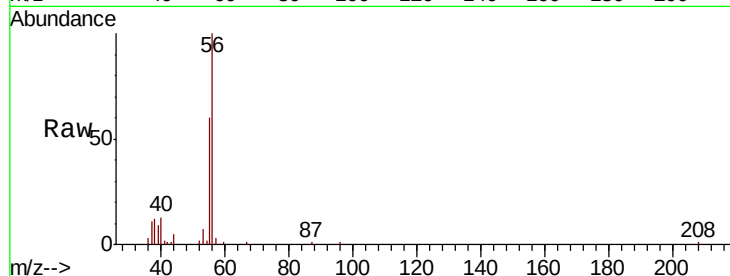
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 79115

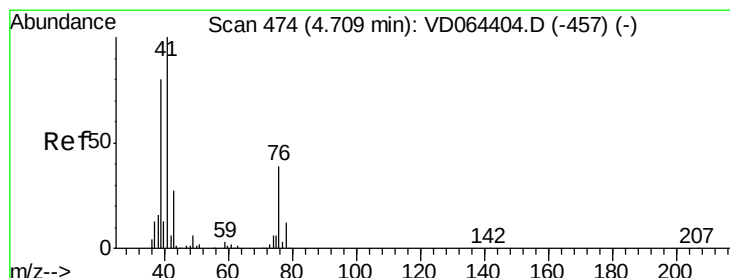
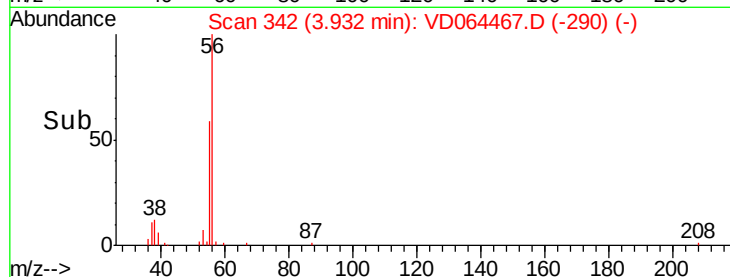
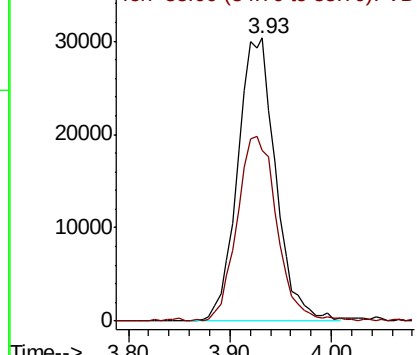
Ion Ratio Lower Upper

56 100

55 68.4 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 50.751 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD064467.D

Acq: 06 Dec 2019 19:17

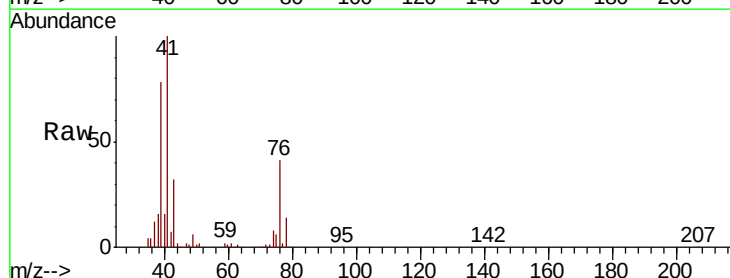
Tgt Ion: 41 Resp: 319141

Ion Ratio Lower Upper

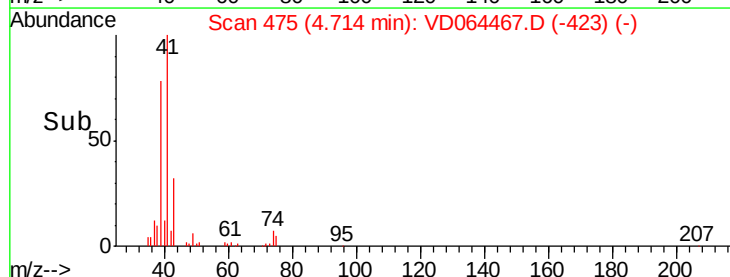
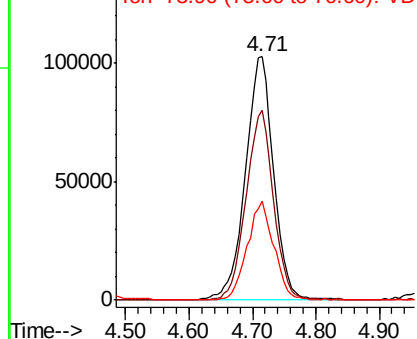
41 100

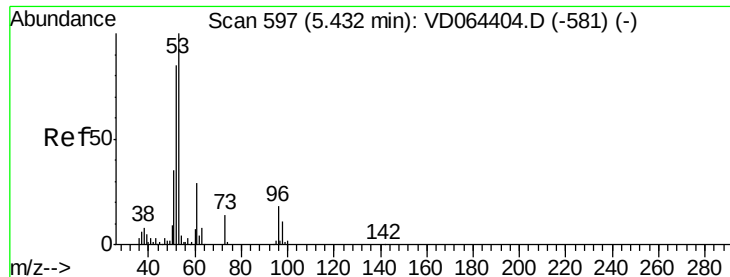
39 75.8 62.1 93.1

76 38.3 29.8 44.8



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 246.052 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD064467.D

Acq: 06 Dec 2019 19:17

Instrument :

MSVOA_D

ClientSampleId :

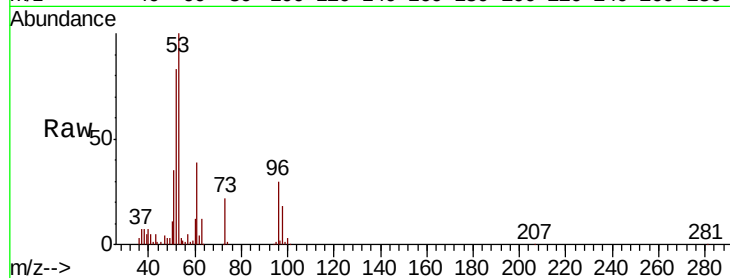
Tot Ion: 53 Resp: 219252

Ion Ratio Lower Upper

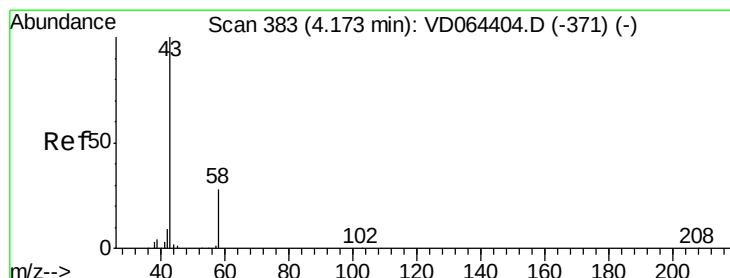
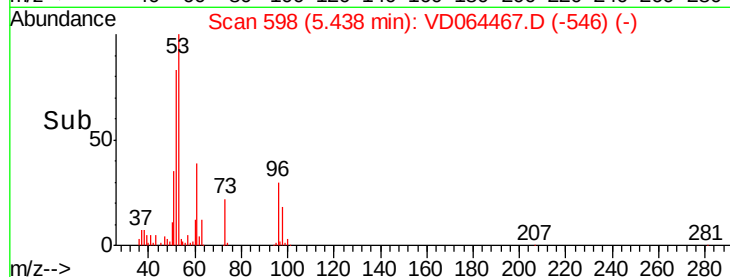
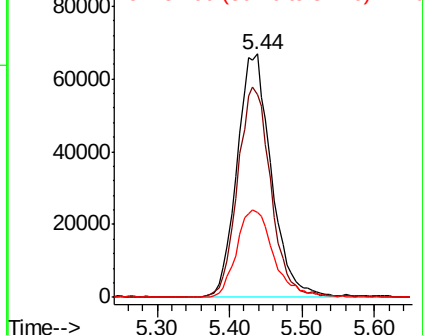
53 100

52 83.6 67.9 101.9

51 38.7 30.6 45.8



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



#16

Acetone

Concen: 226.444 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.01 min

Lab File: VD064467.D

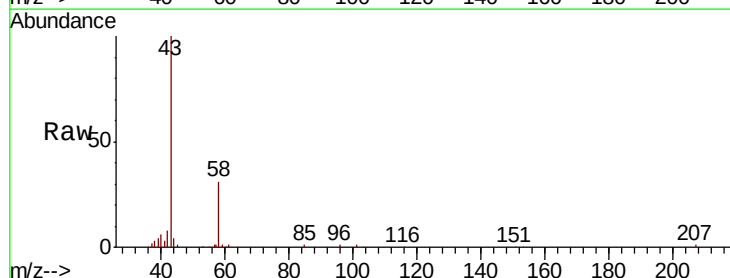
Acq: 06 Dec 2019 19:17

Tgt Ion: 43 Resp: 185158

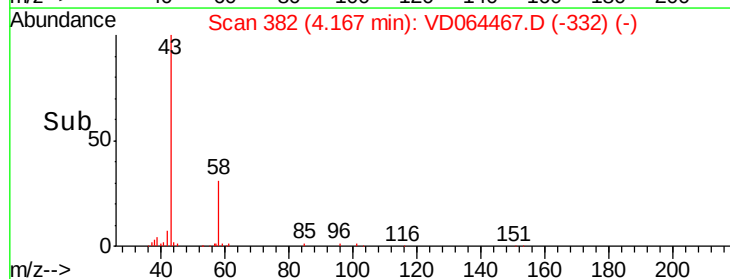
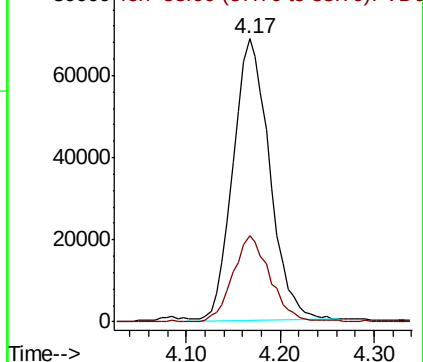
Ion Ratio Lower Upper

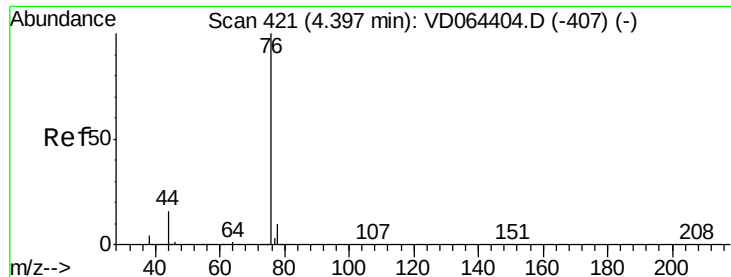
43 100

58 30.8 22.6 33.8



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





#17

Carbon Disulfide

Concen: 48.436 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.00 min

Lab File: VD064467.D

Acq: 06 Dec 2019 19:17

Instrument :

MSVOA_D

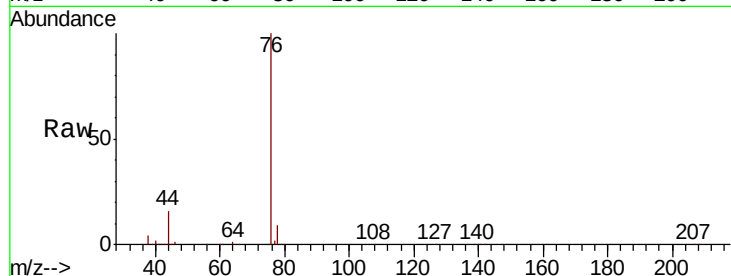
ClientSampleId :

Tot Ion: 76 Resp: 618120

Ion Ratio Lower Upper

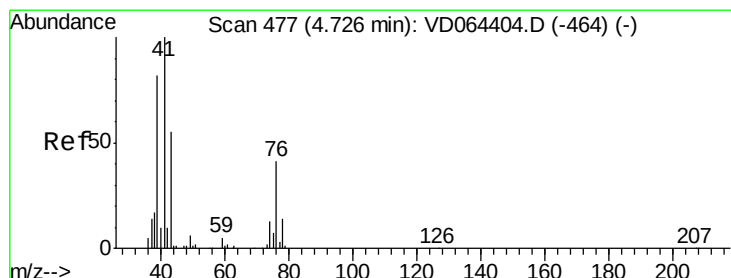
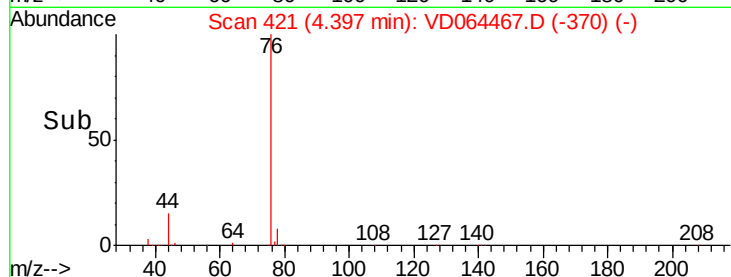
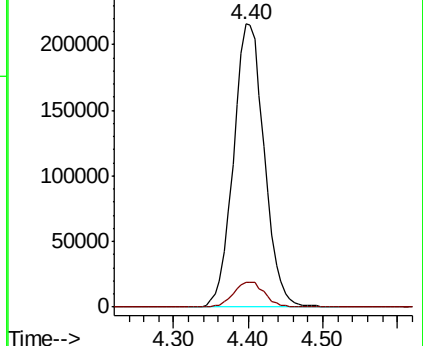
76 100

78 8.7 7.8 11.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 49.794 ug/l

RT: 4.73 min Scan# 478

Delta R.T. 0.01 min

Lab File: VD064467.D

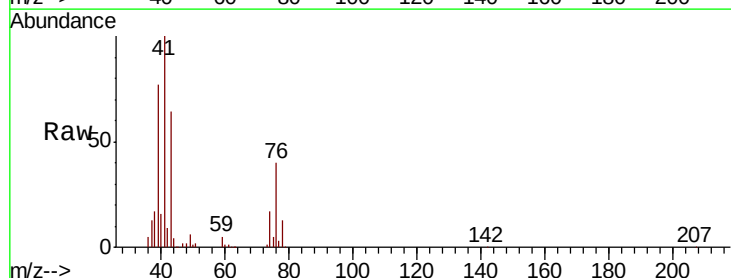
Acq: 06 Dec 2019 19:17

Tgt Ion: 43 Resp: 118764

Ion Ratio Lower Upper

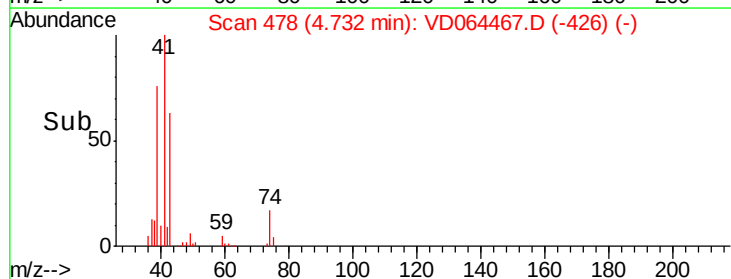
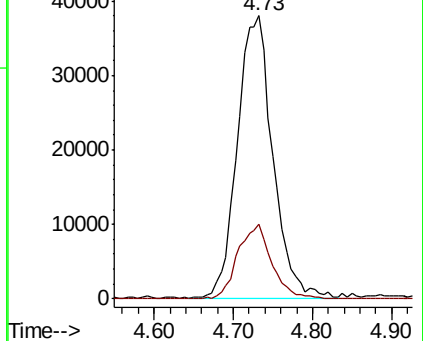
43 100

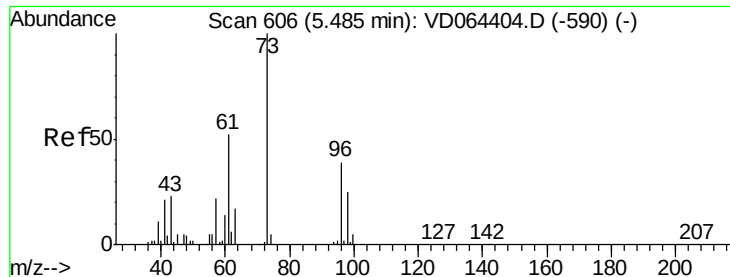
74 25.0 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



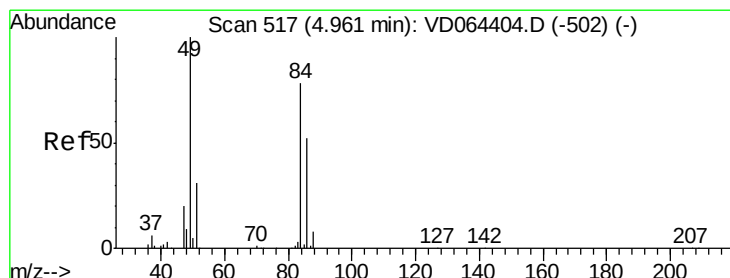
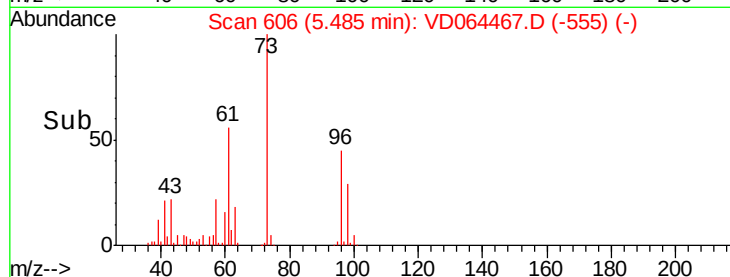
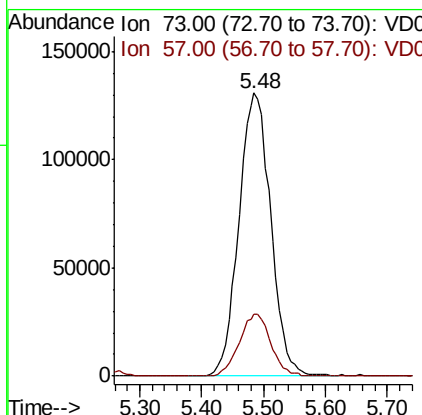
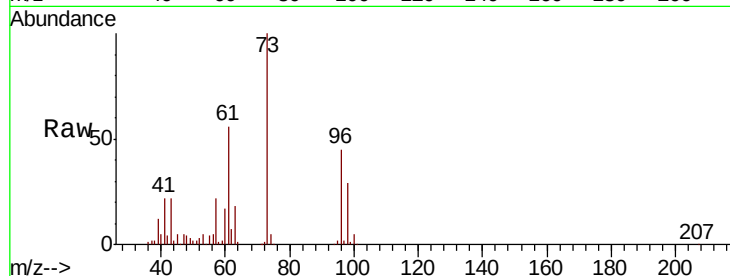


#19

Methyl tert-butyl Ether
 Concen: 50.760 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD064467.D
 Acq: 06 Dec 2019 19:17

Instrument :
 MSVOA_D
 ClientSampleID :

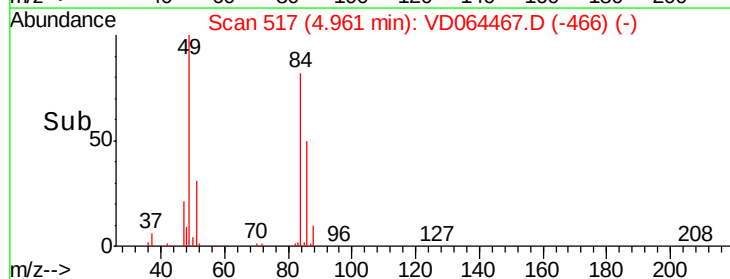
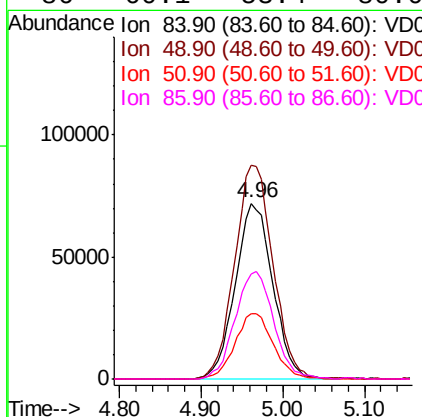
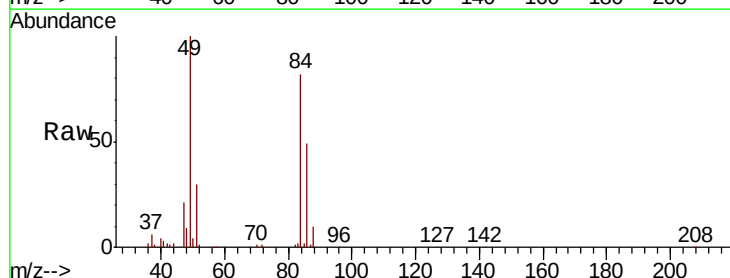
Tot Ion: 73 Resp: 469163
 Ion Ratio Lower Upper
 73 100
 57 21.9 17.6 26.4

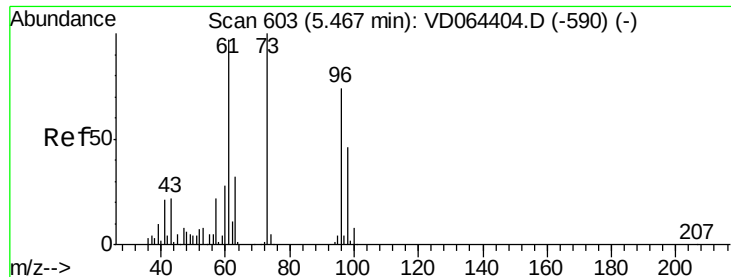


#20

Methylene Chloride
 Concen: 55.826 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064467.D
 Acq: 06 Dec 2019 19:17

Tgt Ion: 84 Resp: 229785
 Ion Ratio Lower Upper
 84 100
 49 121.8 102.6 153.8
 51 37.0 32.0 48.0
 86 60.1 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 50.346 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD064467.D

Acq: 06 Dec 2019 19:17

Instrument :

MSVOA_D

ClientSampleId :

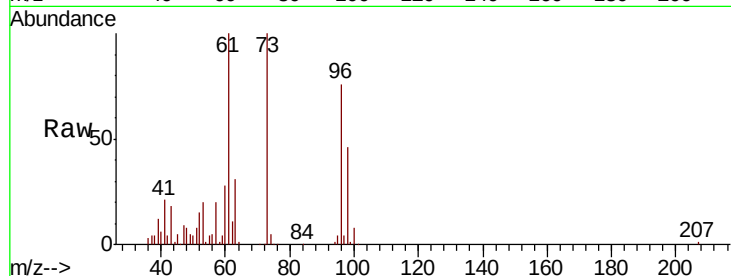
Tot Ion: 96 Resp: 229466

Ion Ratio Lower Upper

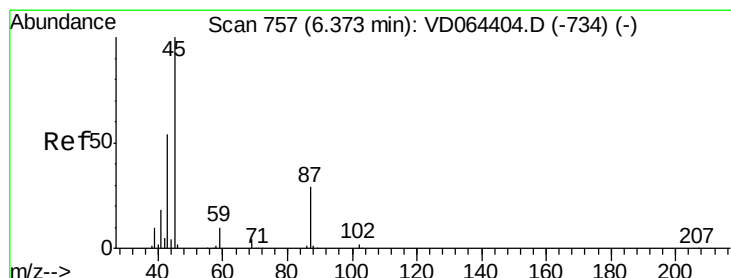
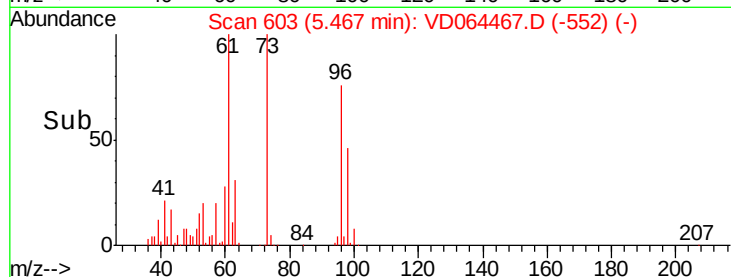
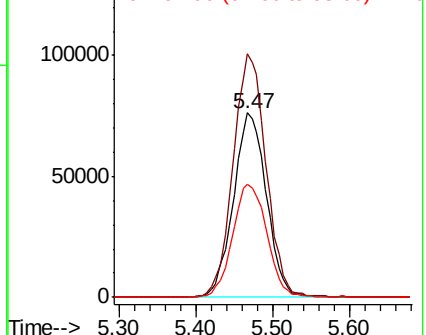
96 100

61 131.9 105.8 158.6

98 60.9 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: 51.459 ug/l

RT: 6.37 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD064467.D

Acq: 06 Dec 2019 19:17

Tgt Ion: 45 Resp: 638813

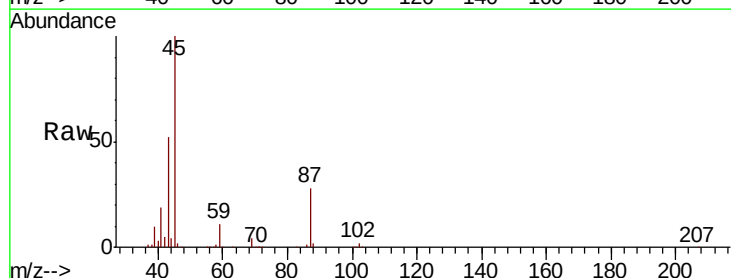
Ion Ratio Lower Upper

45 100

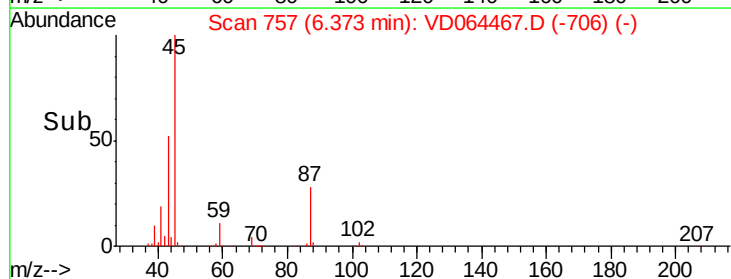
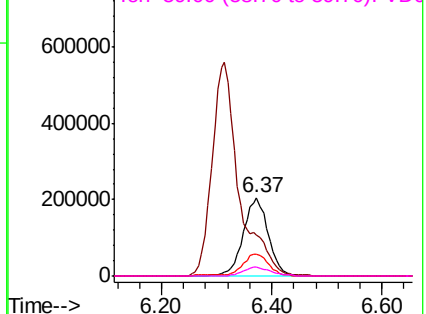
43 51.8 43.1 64.7

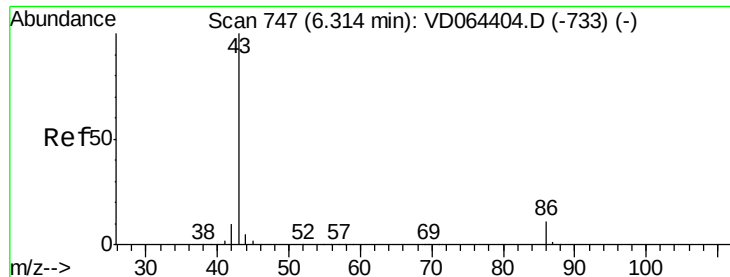
87 27.5 23.5 35.3

59 11.3 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: 258.702 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD064467.D

Acq: 06 Dec 2019 19:17

Instrument :

MSVOA_D

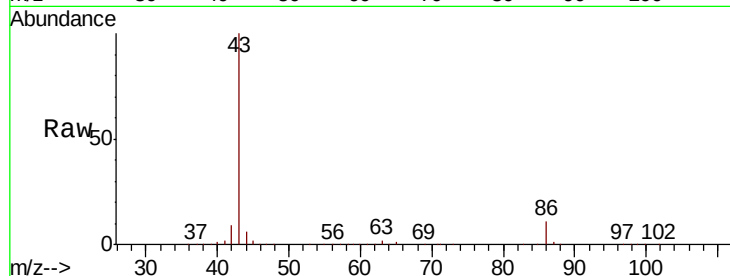
ClientSampled :

Tot Ion: 43 Resp: 1893290

Ion Ratio Lower Upper

43 100

86 10.5 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

600000

500000

400000

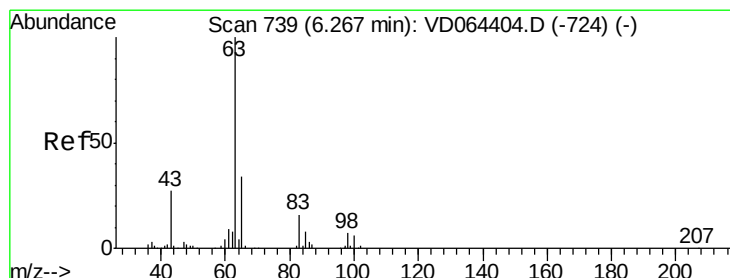
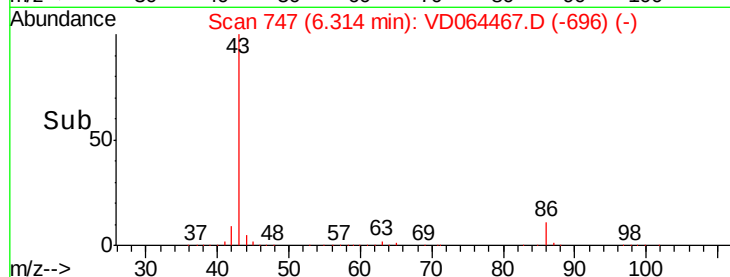
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 51.191 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD064467.D

Acq: 06 Dec 2019 19:17

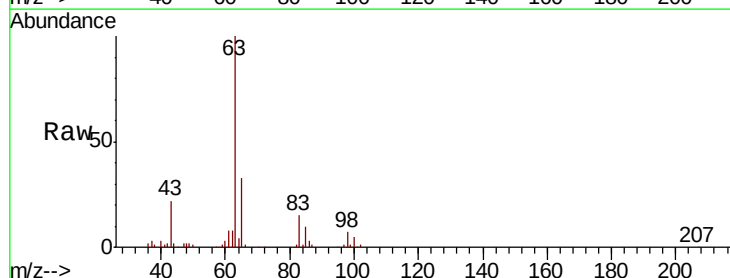
Tgt Ion: 63 Resp: 382170

Ion Ratio Lower Upper

63 100

98 6.5 3.6 10.9

100 5.3 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

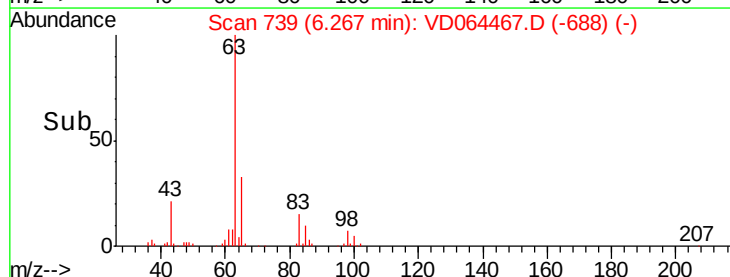
150000

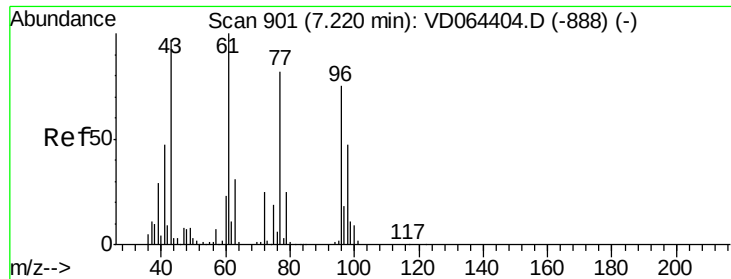
100000

50000

0

Time-->





#25

2-Butanone

Concen: 242.522 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD064467.D

Acq: 06 Dec 2019 19:17

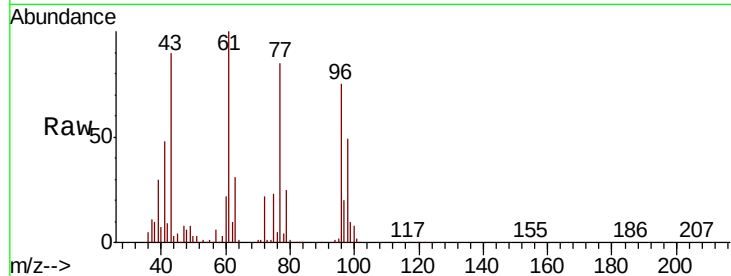
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 280444

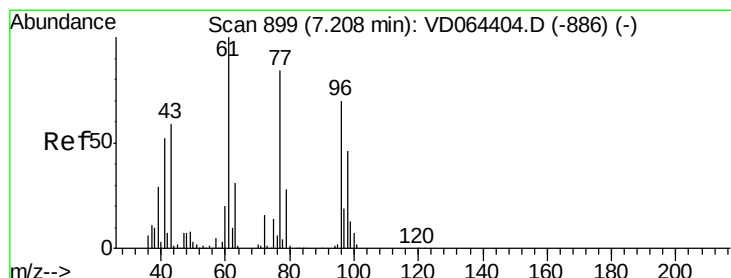
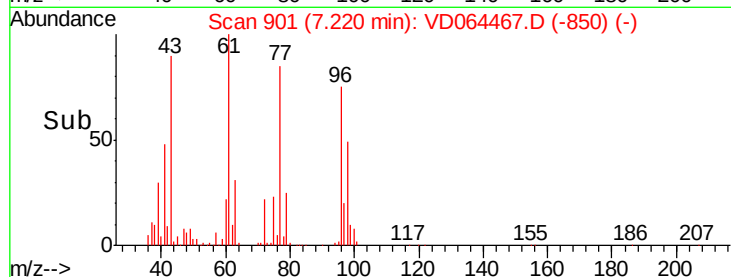
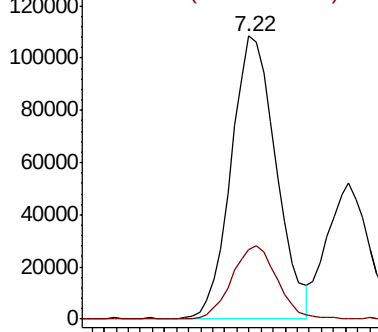
Ion Ratio Lower Upper

43 100

72 24.5 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: 49.591 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD064467.D

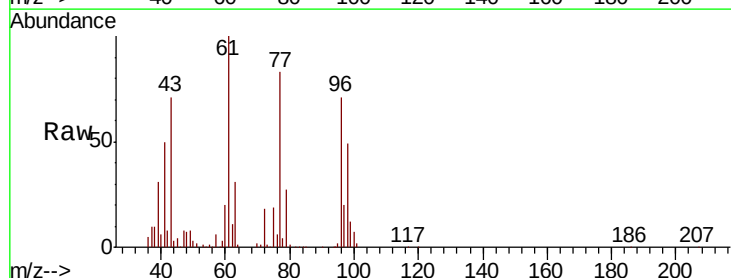
Acq: 06 Dec 2019 19:17

Tgt Ion: 77 Resp: 321965

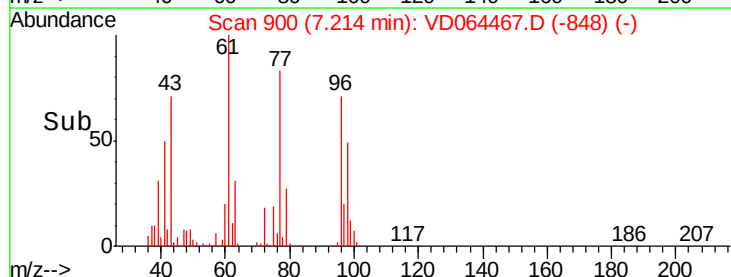
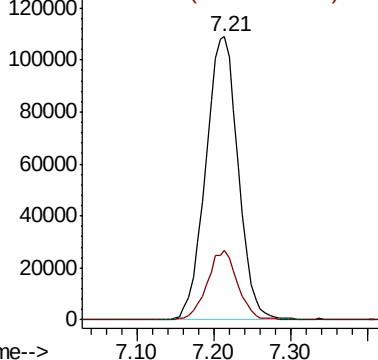
Ion Ratio Lower Upper

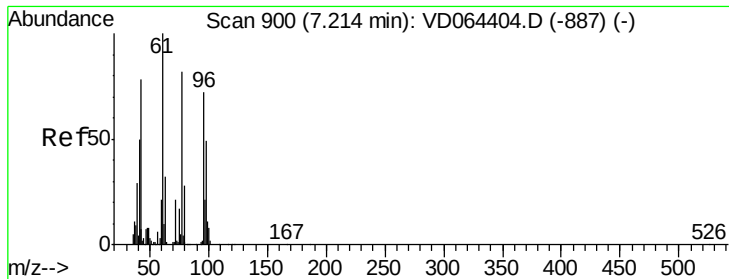
77 100

97 23.1 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VDC
Ion 96.90 (96.60 to 97.60): VDC



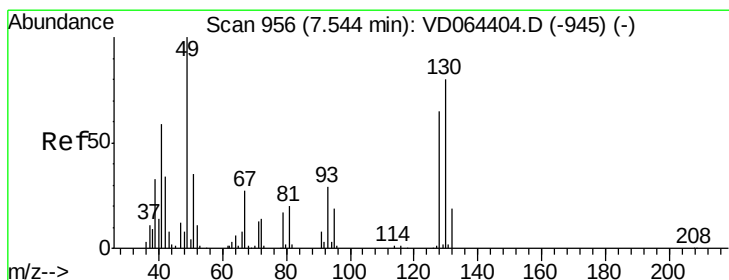
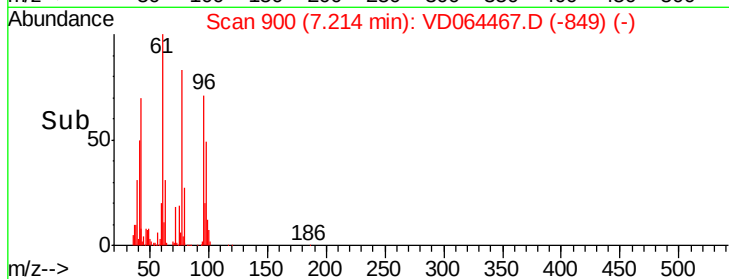
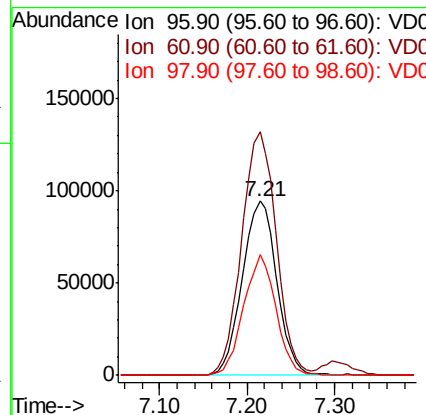
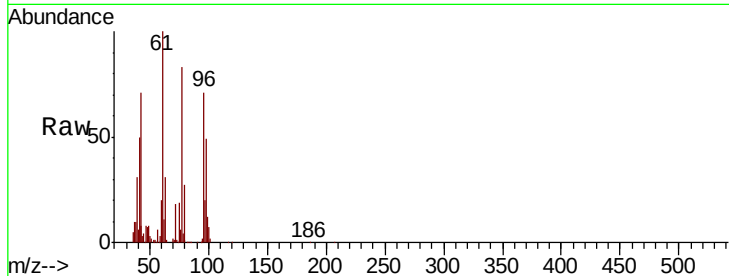


#27

cis-1,2-Dichloroethene
Concen: 50.942 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD064467.D
Acq: 06 Dec 2019 19:17

Instrument :
MSVOA_D
ClientSampleId :

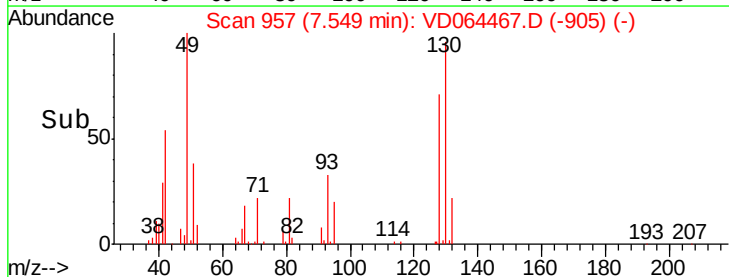
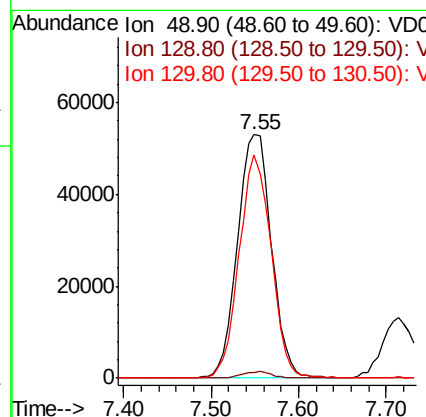
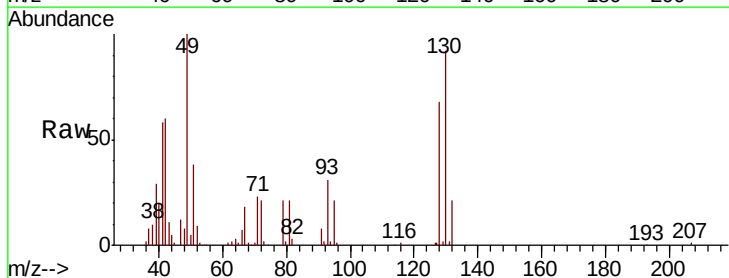
Tot Ion: 96 Resp: 253131
Ion Ratio Lower Upper
96 100
61 140.0 0.0 279.6
98 64.8 0.0 129.2

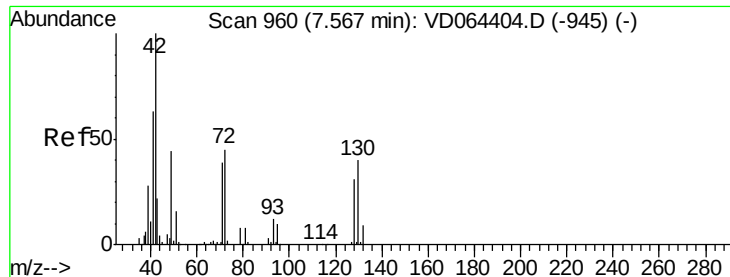


#28

Bromochloromethane
Concen: 54.588 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD064467.D
Acq: 06 Dec 2019 19:17

Tgt Ion: 49 Resp: 139272
Ion Ratio Lower Upper
49 100
129 2.2 0.0 4.4
130 86.4 67.4 101.0





#29

Tetrahydrofuran

Concen: 247.315 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.01 min

Lab File: VD064467.D

Acq: 06 Dec 2019 19:17

Instrument :

MSVOA_D

ClientSampleId :

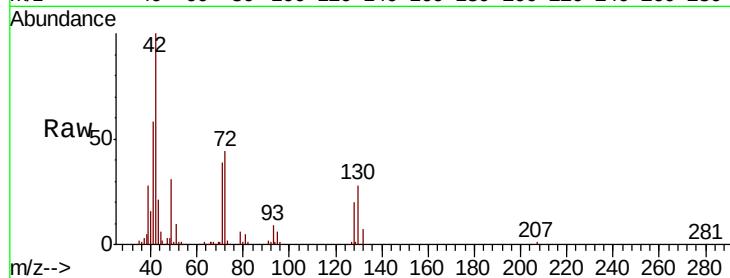
Tot Ion: 42 Resp: 181952

Ion Ratio Lower Upper

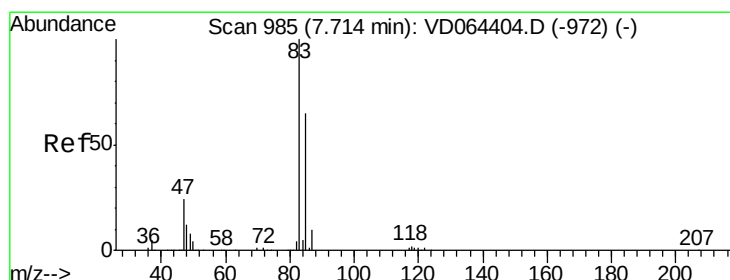
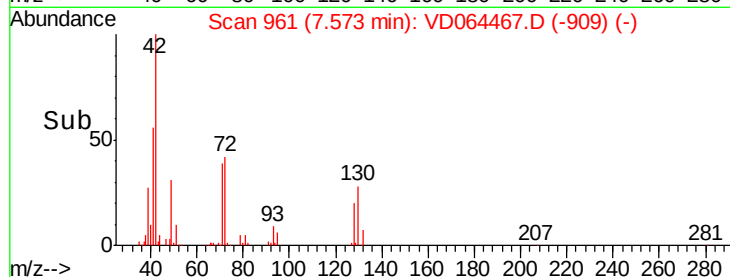
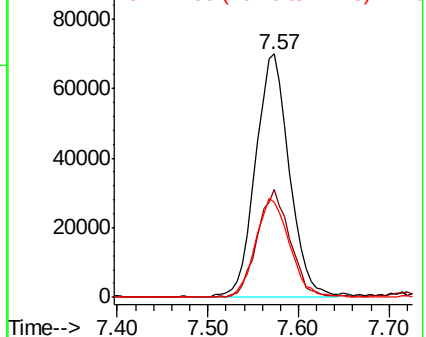
42 100

72 42.9 35.8 53.8

71 40.6 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: 50.879 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD064467.D

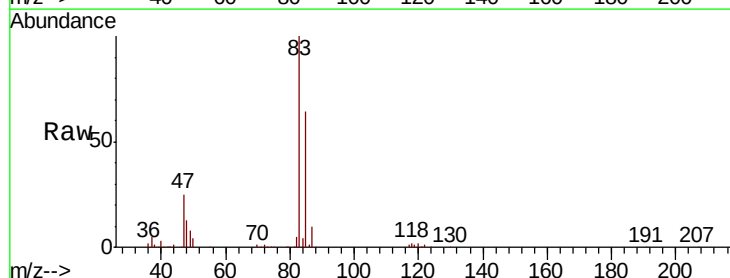
Acq: 06 Dec 2019 19:17

Tgt Ion: 83 Resp: 393385

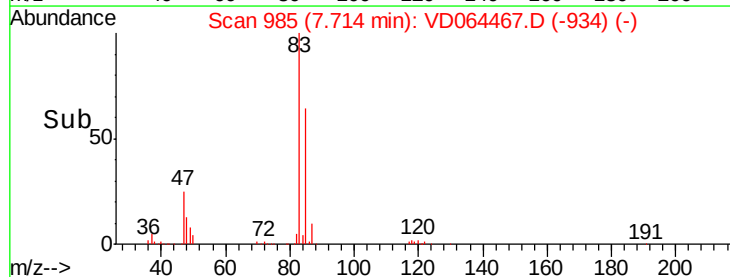
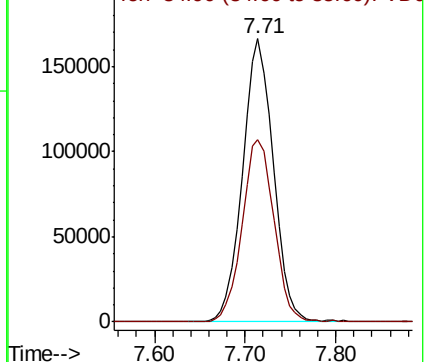
Ion Ratio Lower Upper

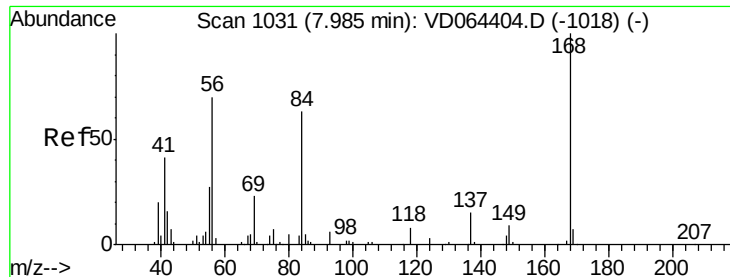
83 100

85 64.2 51.8 77.6



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

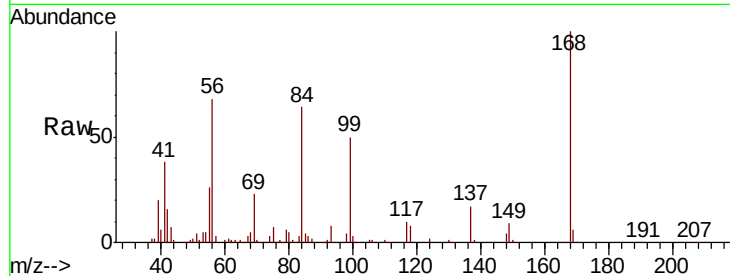




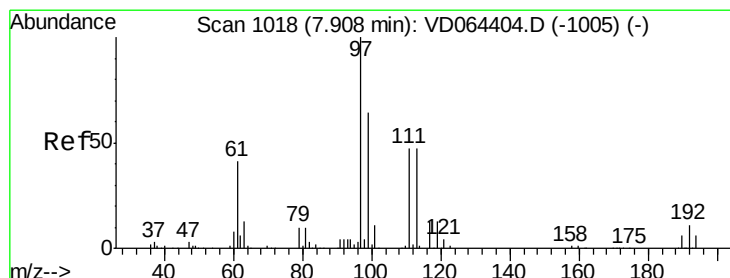
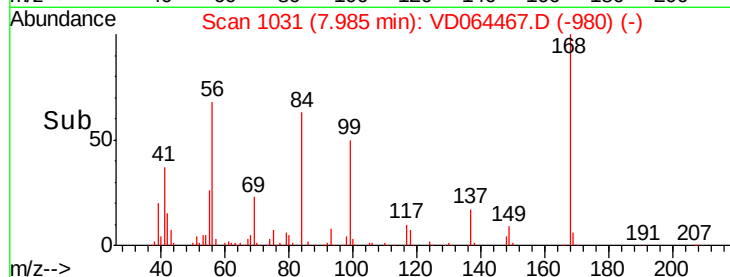
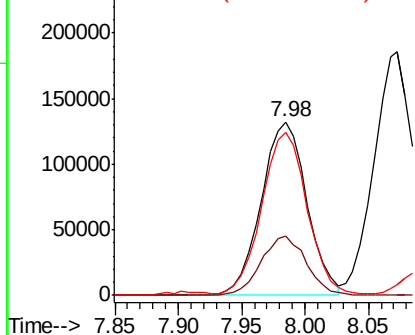
#31
Cyclohexane
Concen: 50.908 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064467.D
Acq: 06 Dec 2019 19:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 331268
Ion Ratio Lower Upper
56 100
69 33.8 26.2 39.4
84 92.0 70.3 105.5

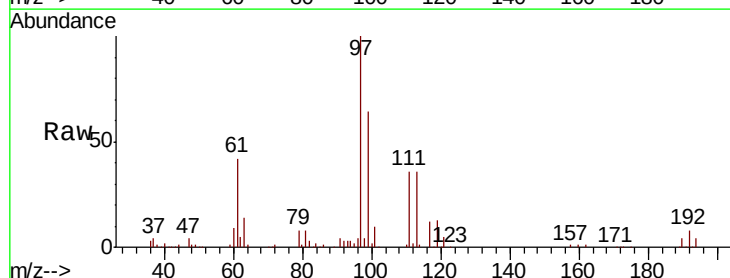


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

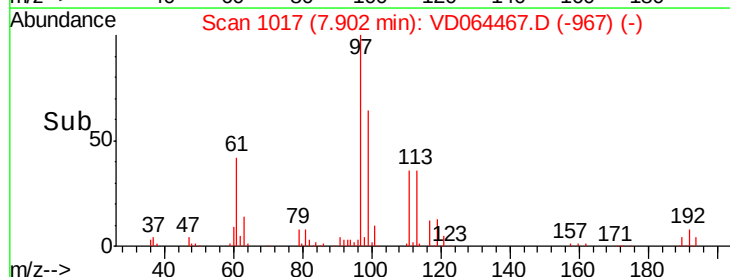
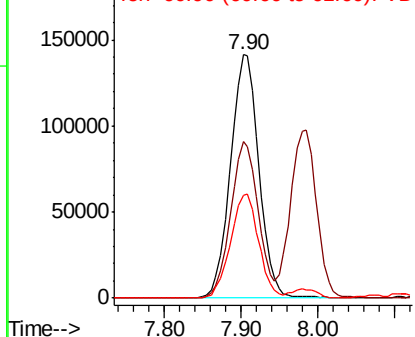


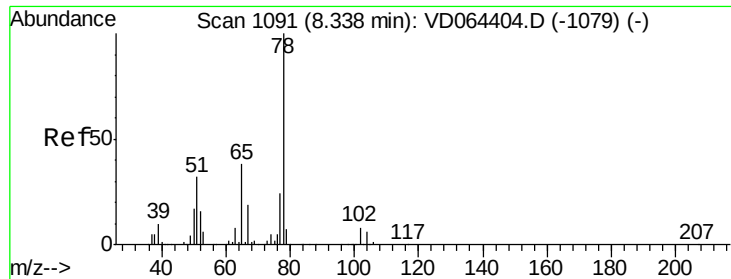
#32
1,1,1-Trichloroethane
Concen: 50.786 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064467.D
Acq: 06 Dec 2019 19:17

Tgt Ion: 97 Resp: 364041
Ion Ratio Lower Upper
97 100
99 62.7 51.4 77.2
61 42.4 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

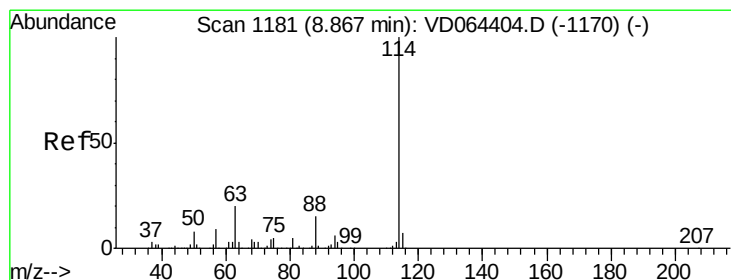
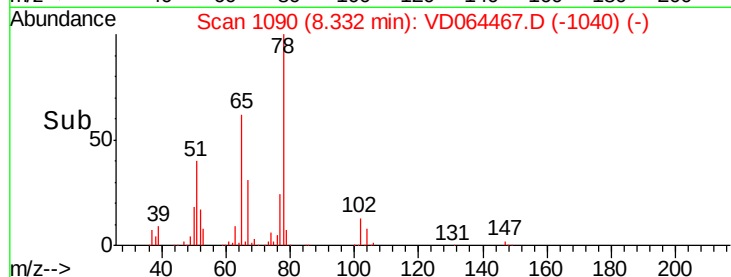
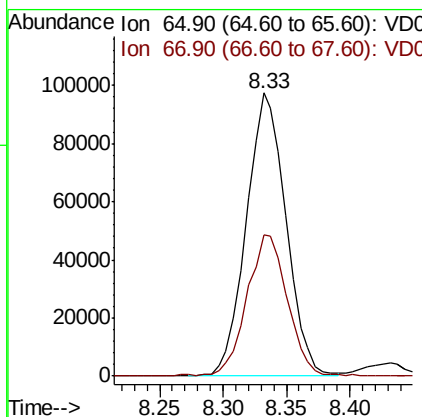
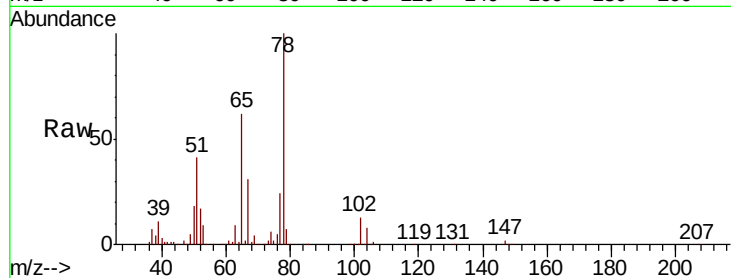




#33
 1,2-Dichloroethane-d4
 Concen: 52.388 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064467.D
 Acq: 06 Dec 2019 19:17

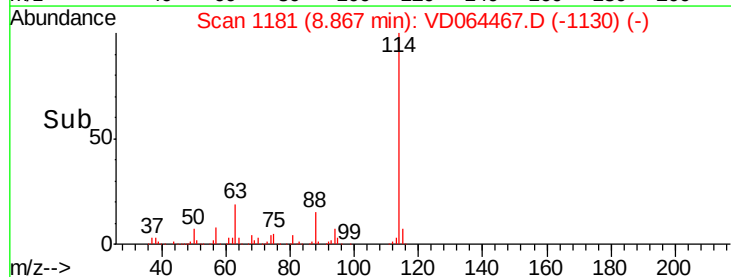
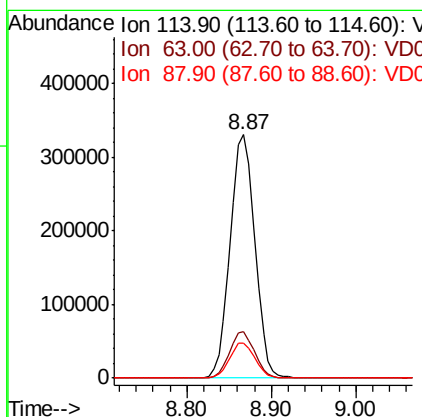
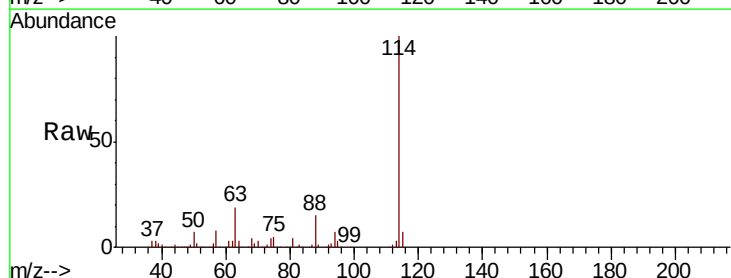
Instrument :
 MSVOA_D
 ClientSampleId :

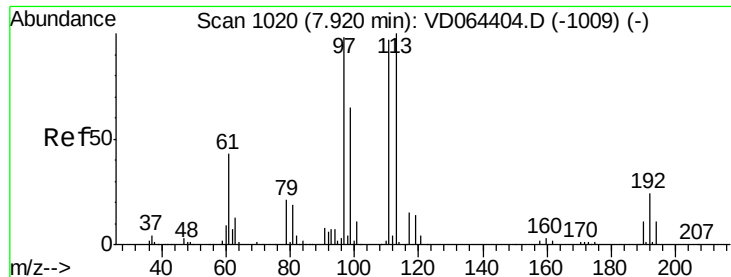
Tot Ion: 65 Resp: 211980
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064467.D
 Acq: 06 Dec 2019 19:17

Tgt Ion: 114 Resp: 667596
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 40.0
 88 14.5 0.0 29.2

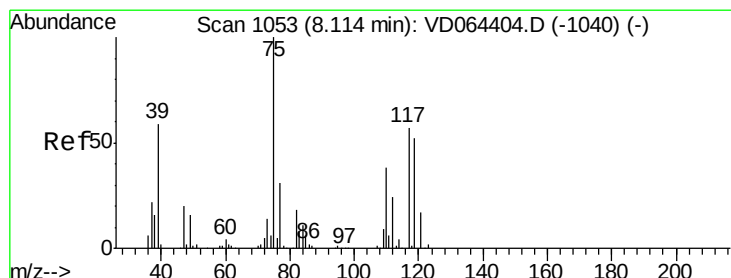
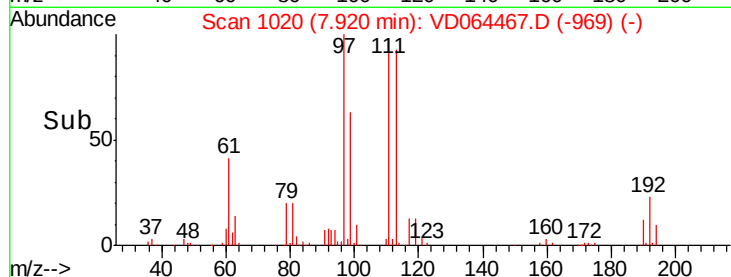
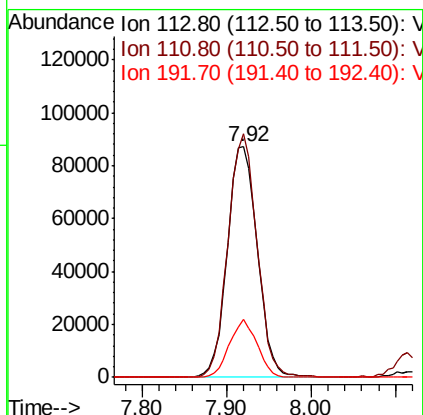
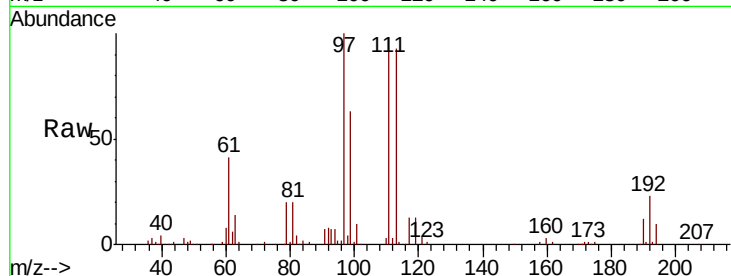




#35
 Dibromofluoromethane
 Concen: 50.909 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064467.D
 Acq: 06 Dec 2019 19:17

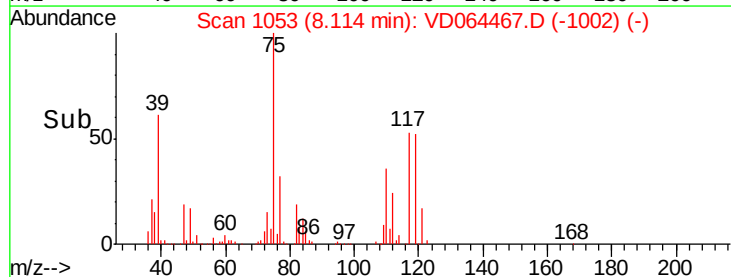
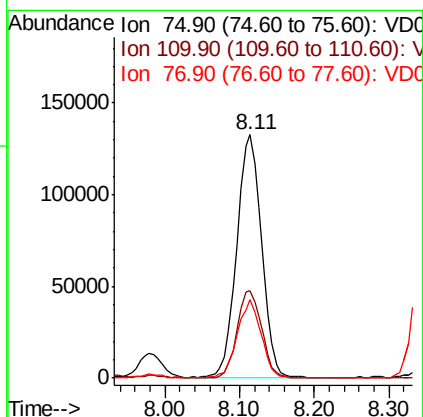
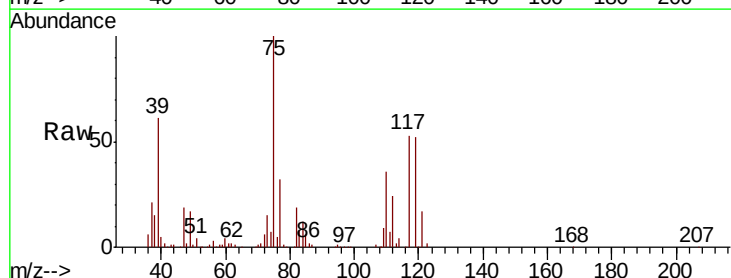
Instrument :
 MSVOA_D
 ClientSampleId :

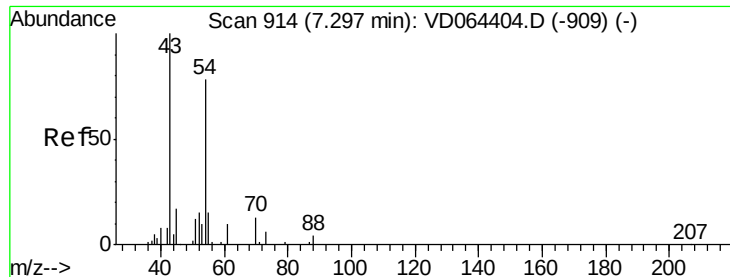
Tot Ion:113 Resp: 214133
 Ion Ratio Lower Upper
 113 100
 111 101.7 79.4 119.2
 192 23.1 18.6 28.0



#36
 1,1-Dichloropropene
 Concen: 48.464 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064467.D
 Acq: 06 Dec 2019 19:17

Tgt Ion: 75 Resp: 306027
 Ion Ratio Lower Upper
 75 100
 110 35.8 18.6 55.8
 77 31.3 25.0 37.4

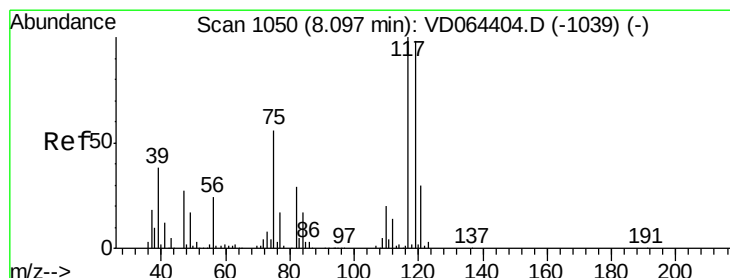
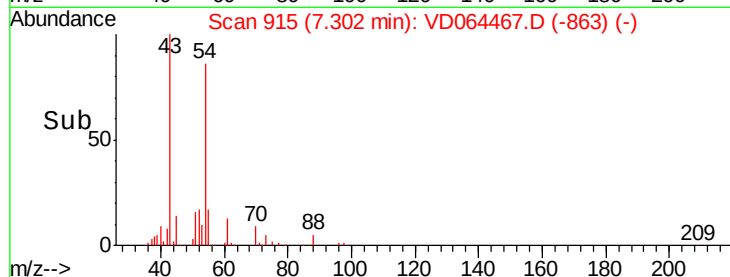
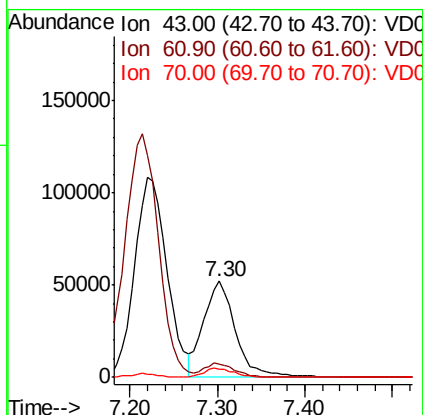
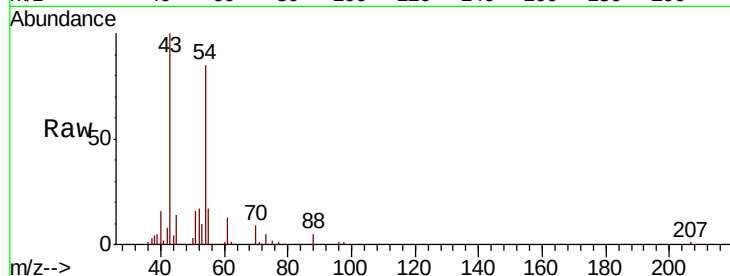




#37
Ethyl Acetate
Concen: 48.795 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064467.D
Acq: 06 Dec 2019 19:17

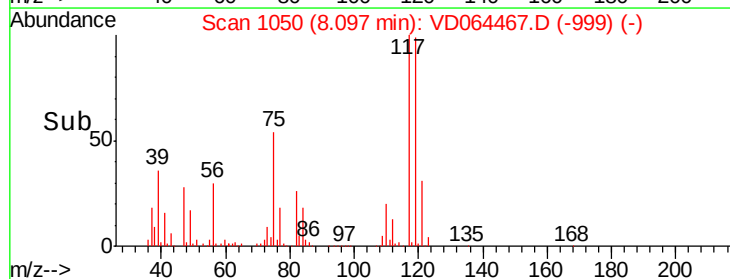
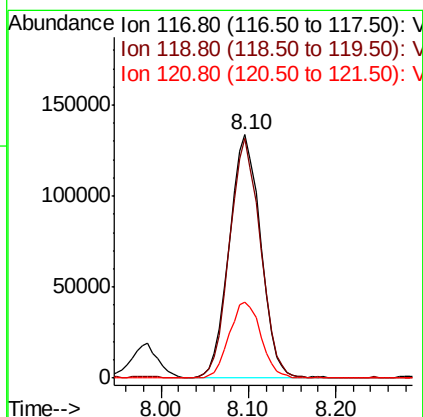
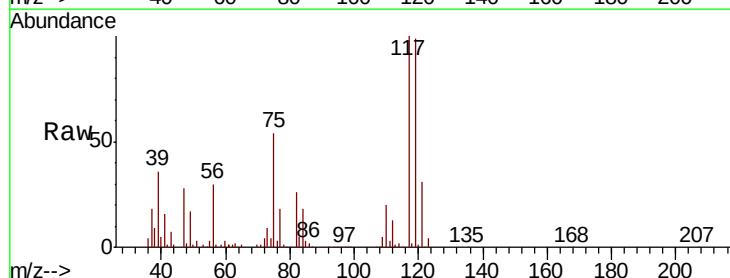
Instrument :
MSVOA_D
ClientSampleId :

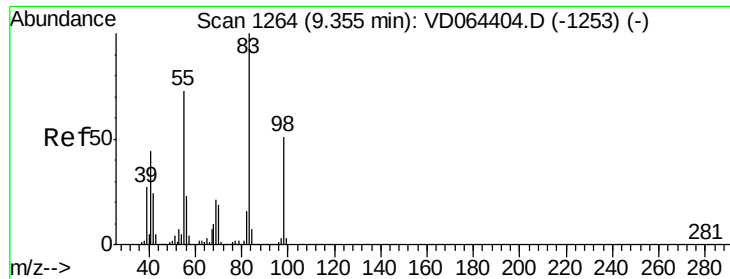
Tot Ion: 43 Resp: 130740
Ion Ratio Lower Upper
43 100
61 13.7 10.9 16.3
70 9.6 8.3 12.5



#38
Carbon Tetrachloride
Concen: 48.780 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064467.D
Acq: 06 Dec 2019 19:17

Tgt Ion: 117 Resp: 325093
Ion Ratio Lower Upper
117 100
119 98.7 78.8 118.2
121 31.4 24.2 36.2

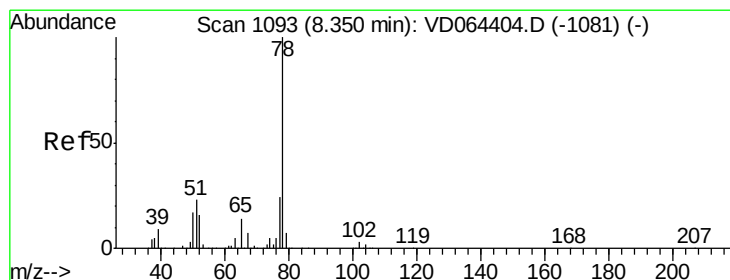
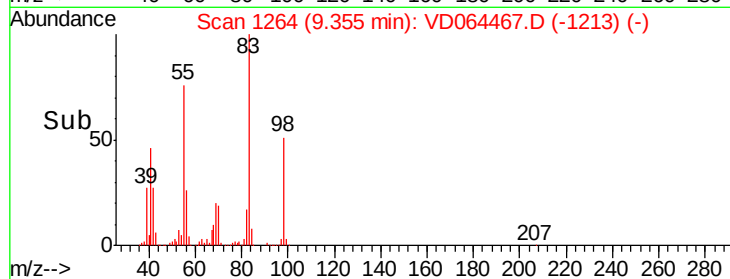
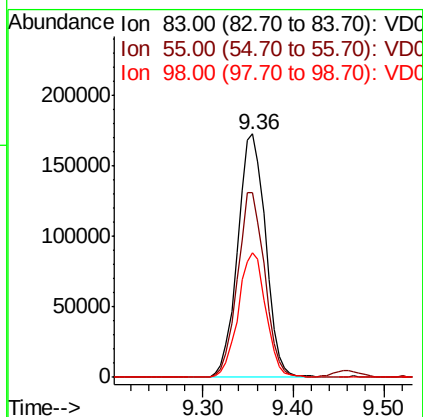
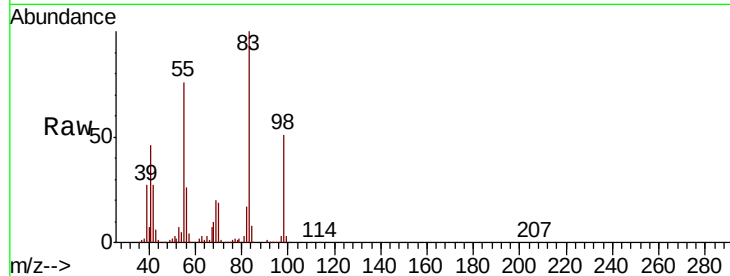




#39
Methylvlcyclohexane
Concen: 47.258 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064467.D
Acq: 06 Dec 2019 19:17

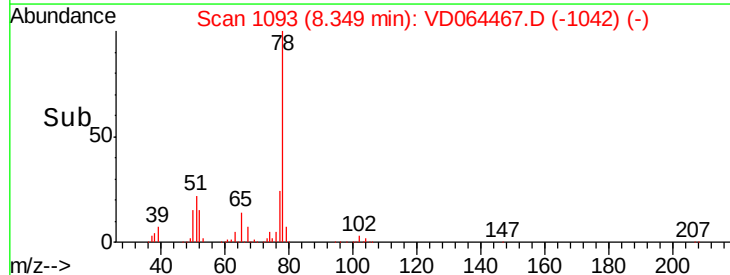
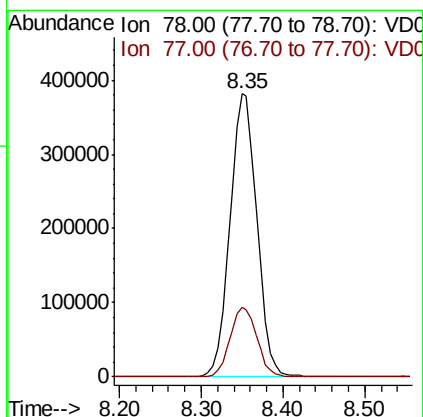
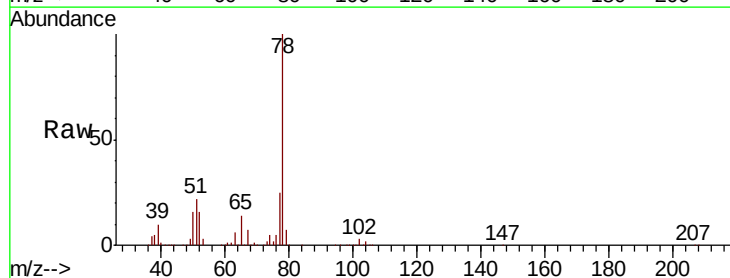
Instrument :
MSVOA_D
ClientSampleId :

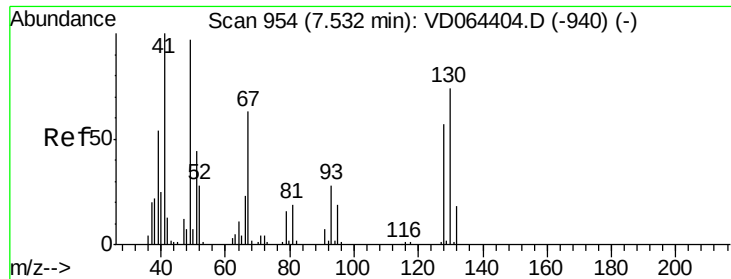
Tot Ion: 83 Resp: 370168
Ion Ratio Lower Upper
83 100
55 76.0 58.6 87.8
98 51.0 40.9 61.3



#40
Benzene
Concen: 49.643 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064467.D
Acq: 06 Dec 2019 19:17

Tgt Ion: 78 Resp: 870645
Ion Ratio Lower Upper
78 100
77 24.5 19.6 29.4

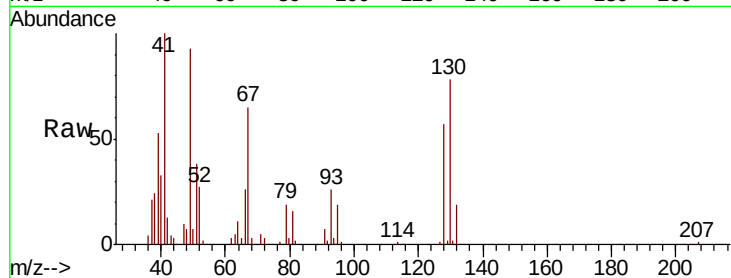




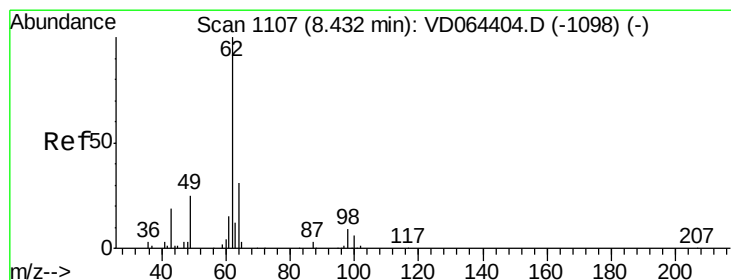
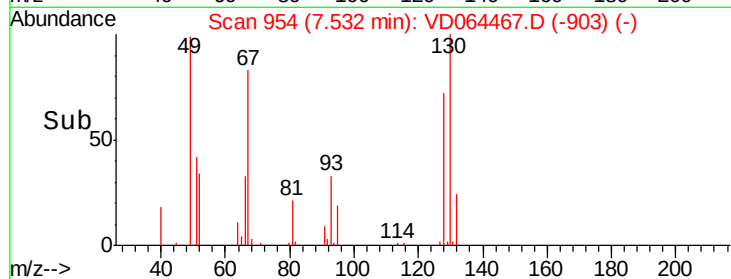
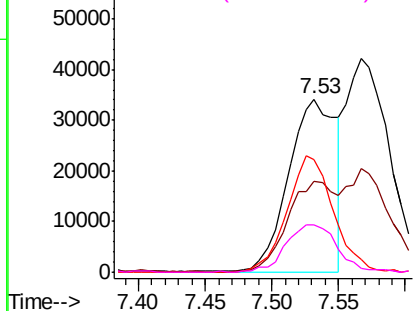
#41
Methacrylonitrile
Concen: 55.318 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD064467.D
Acq: 06 Dec 2019 19:17

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	41	Resp:	85000
Ion	Ratio	Lower	Upper
41	100		
39	53.6	44.6	67.0
67	64.8	50.9	76.3
52	29.6	22.5	33.7

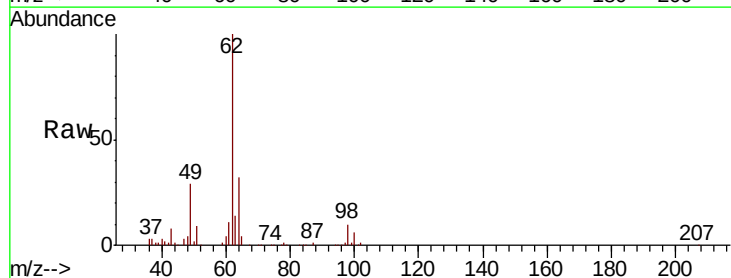


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

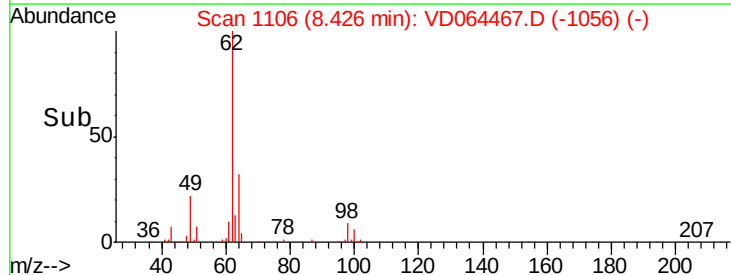
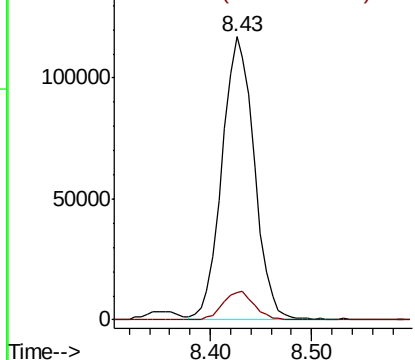


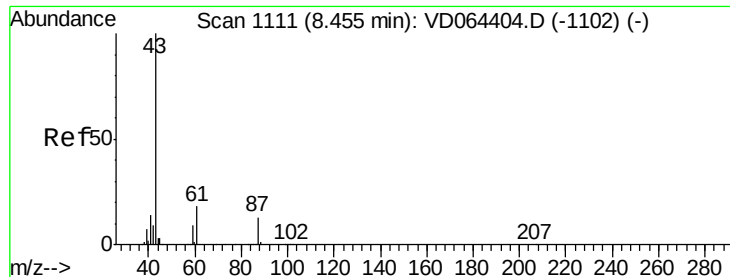
#42
1,2-Dichloroethane
Concen: 50.446 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064467.D
Acq: 06 Dec 2019 19:17

Tgt Ion:	62	Resp:	258011
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	20.6



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





#43

Isopropyl Acetate

Concen: 48.773 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064467.D

Acq: 06 Dec 2019 19:17

Instrument :

MSVOA_D

ClientSampleId :

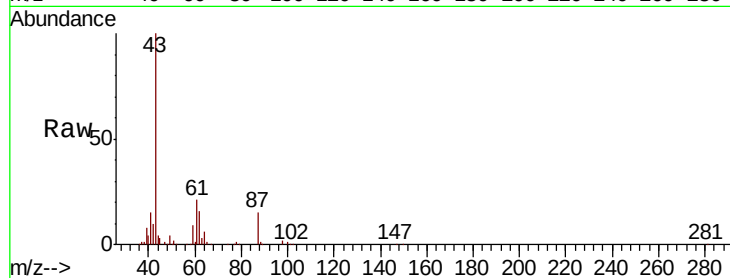
Tot Ion: 43 Resp: 256943

Ion Ratio Lower Upper

43 100

61 30.4 24.0 36.0

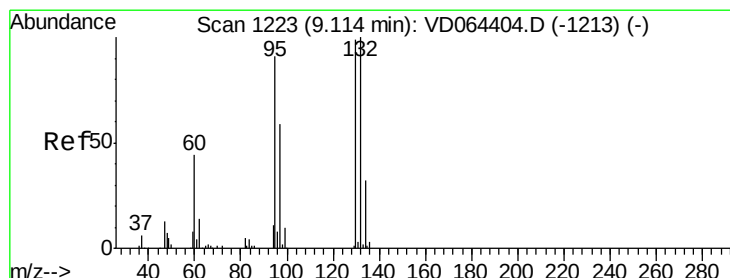
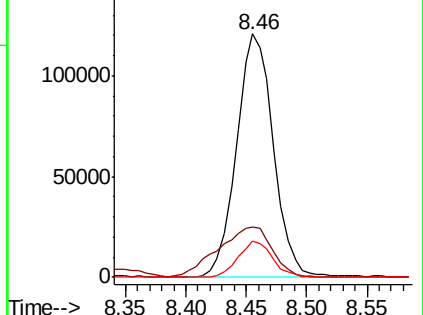
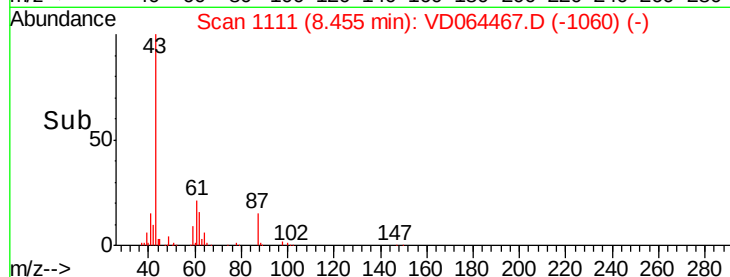
87 14.1 10.6 15.8



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: 48.382 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064467.D

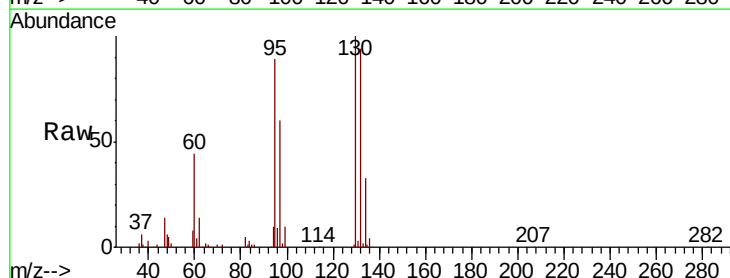
Acq: 06 Dec 2019 19:17

Tgt Ion:130 Resp: 255601

Ion Ratio Lower Upper

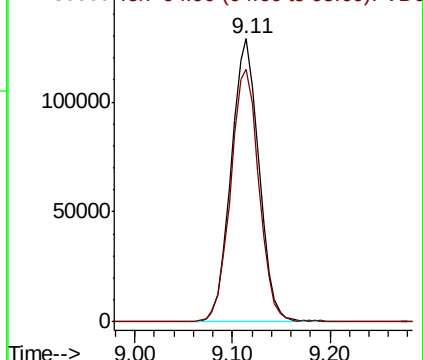
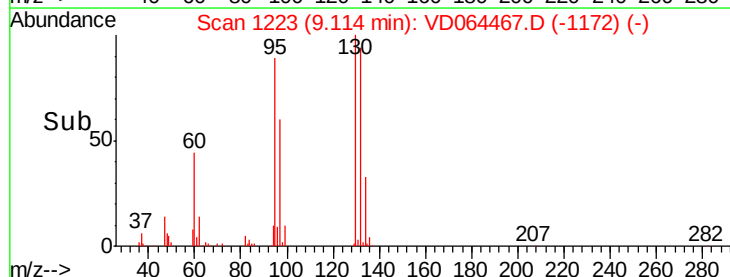
130 100

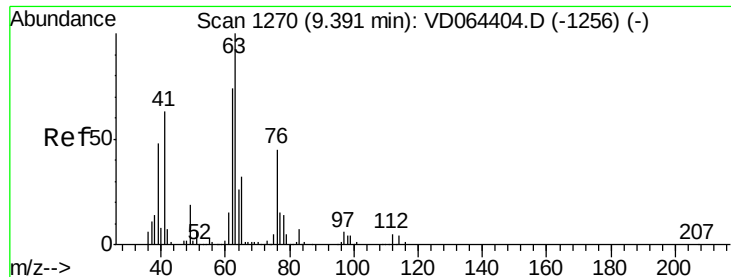
95 89.4 0.0 184.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

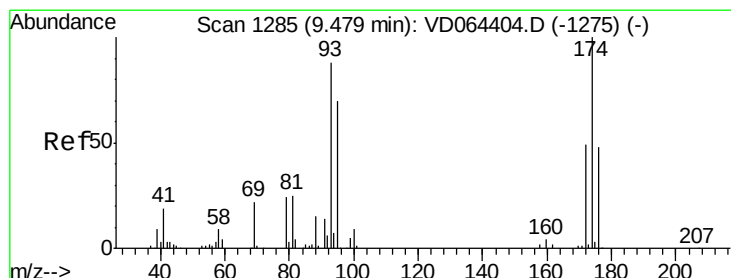
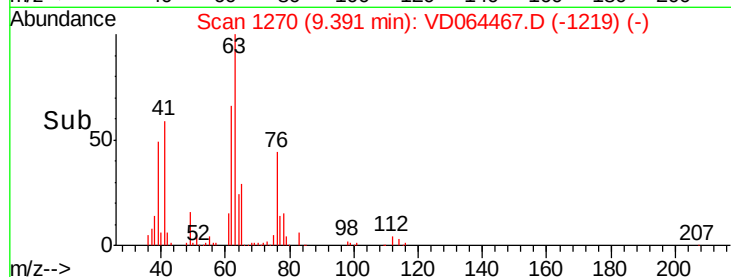
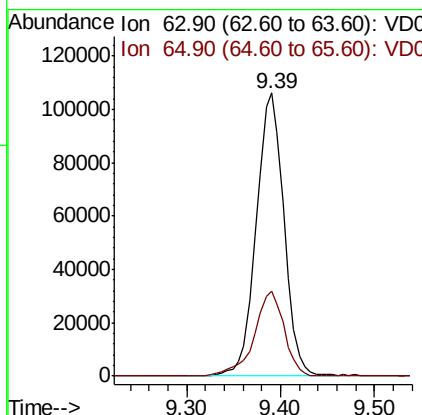
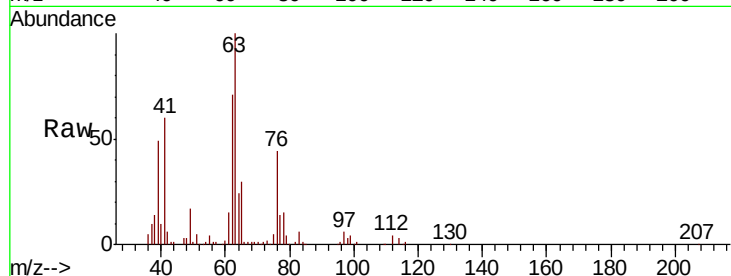




#45
 1,2-Dichloropropane
 Concen: 51.592 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064467.D
 Acq: 06 Dec 2019 19:17

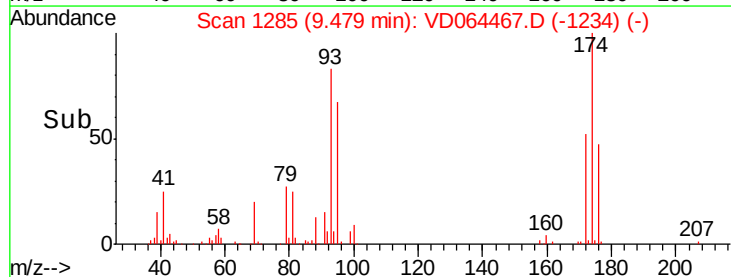
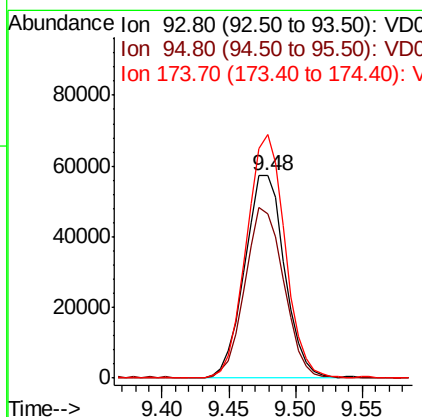
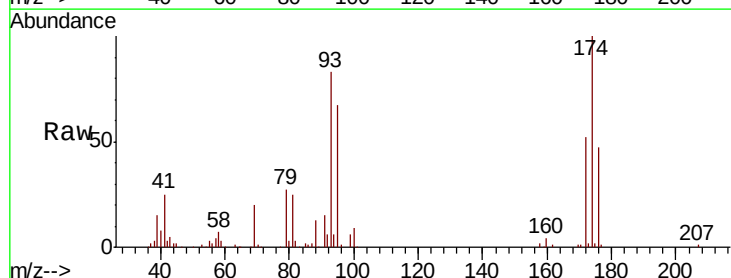
Instrument :
 MSVOA_D
 ClientSampleId :

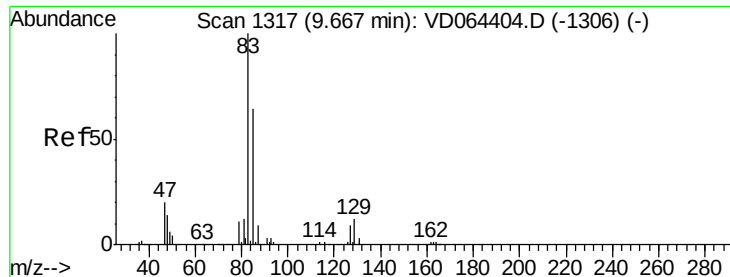
Tot Ion: 63 Resp: 216395
 Ion Ratio Lower Upper
 63 100
 65 30.0 25.4 38.0



#46
 Dibromomethane
 Concen: 50.199 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064467.D
 Acq: 06 Dec 2019 19:17

Tgt Ion: 93 Resp: 118835
 Ion Ratio Lower Upper
 93 100
 95 81.8 66.7 100.1
 174 115.9 92.3 138.5





#47

Bromodichloromethane

Concen: 52.116 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064467.D

Acq: 06 Dec 2019 19:17

Instrument :

MSVOA_D

ClientSampleId :

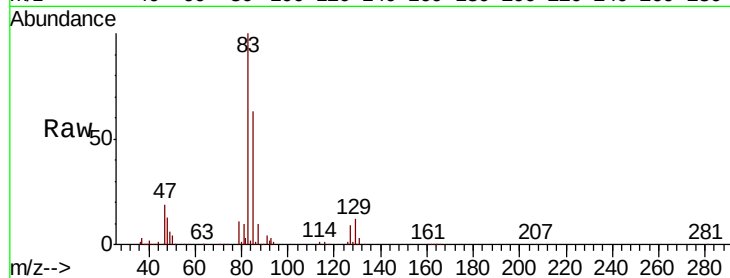
Tot Ion: 83 Resp: 317008

Ion Ratio Lower Upper

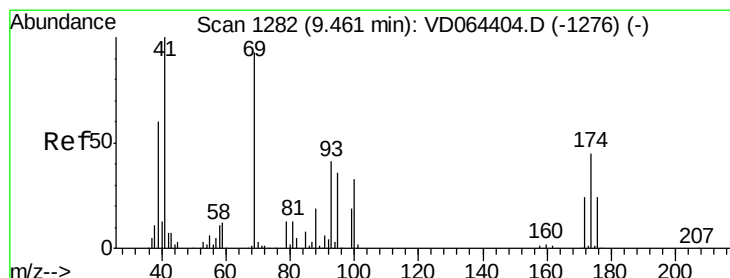
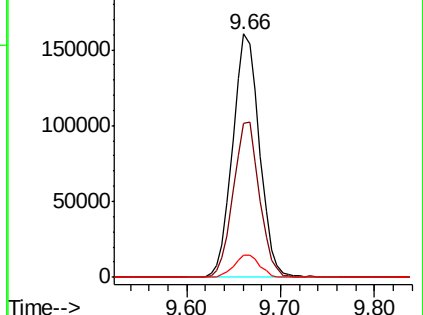
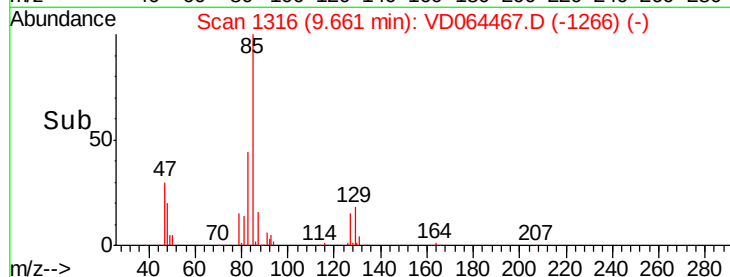
83 100

85 63.2 51.1 76.7

127 9.2 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: 50.072 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064467.D

Acq: 06 Dec 2019 19:17

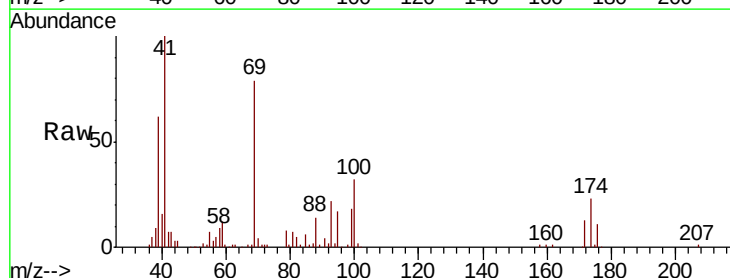
Tgt Ion: 41 Resp: 120707

Ion Ratio Lower Upper

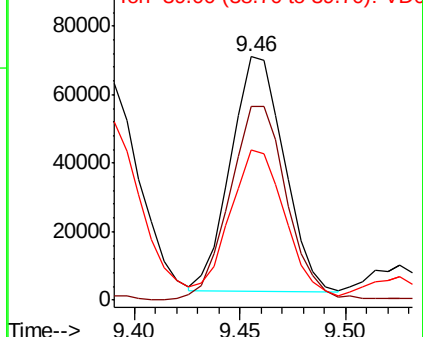
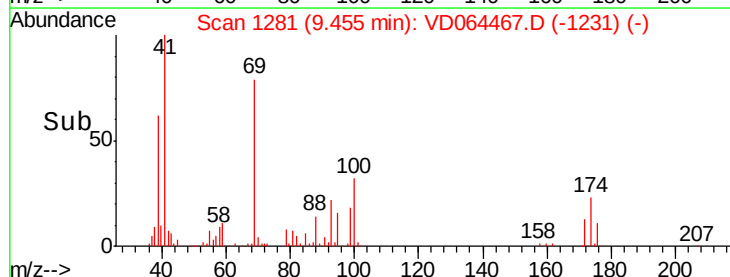
41 100

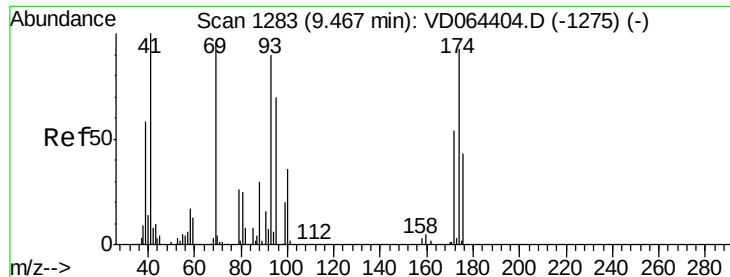
69 88.3 72.0 108.0

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

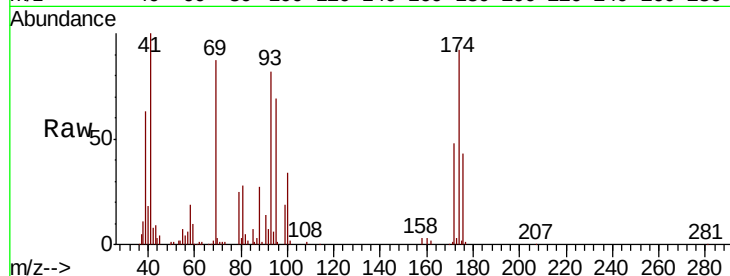




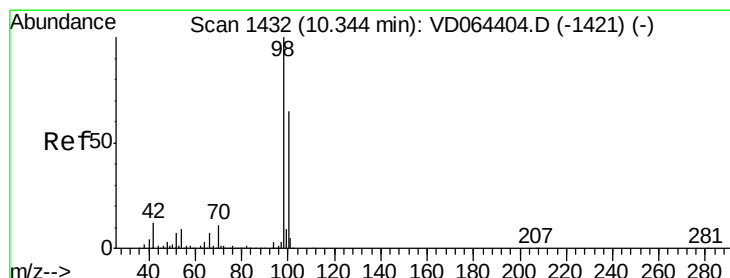
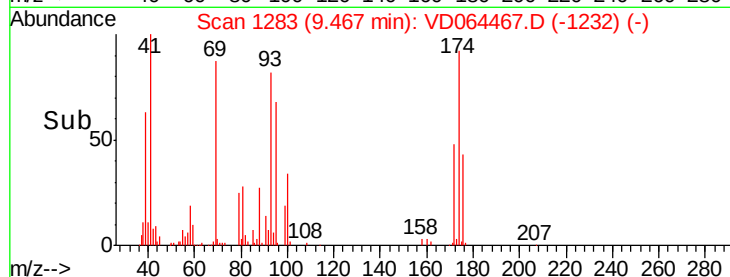
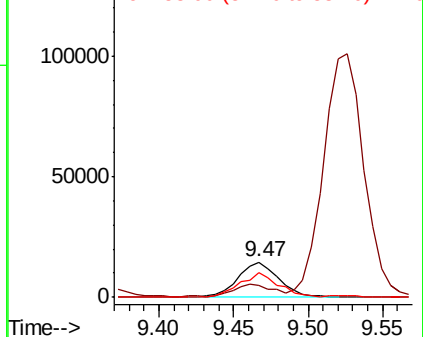
#49
1,4-Dioxane
Concen: 964.022 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064467.D
Acq: 06 Dec 2019 19:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 28181
Ion Ratio Lower Upper
88 100
43 33.6 26.7 40.1
58 65.0 52.3 78.5

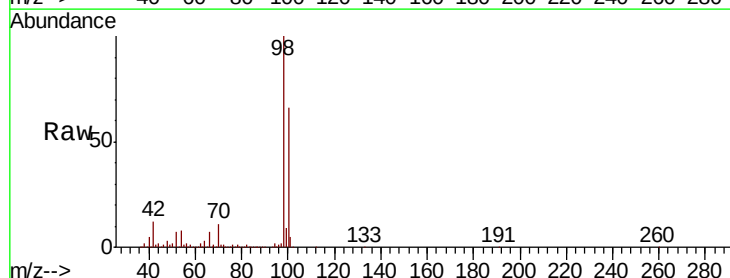


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

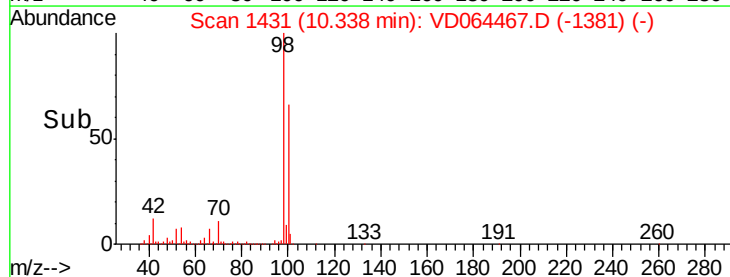
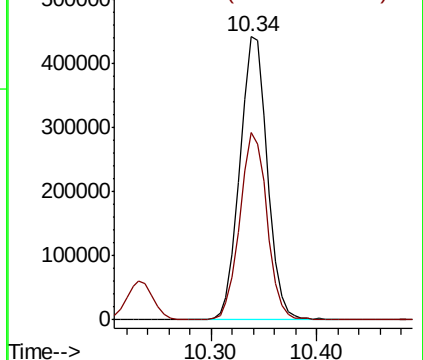


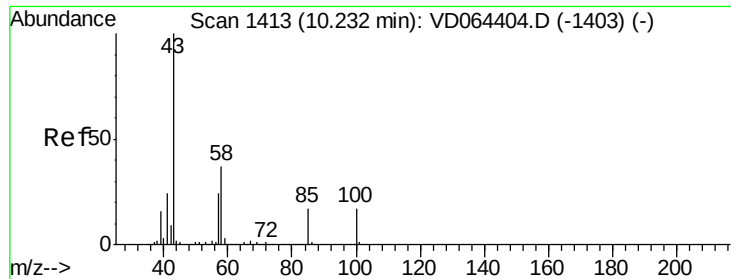
#50
Toluene-d8
Concen: 50.379 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064467.D
Acq: 06 Dec 2019 19:17

Tgt Ion: 98 Resp: 798212
Ion Ratio Lower Upper
98 100
100 65.1 52.6 79.0



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

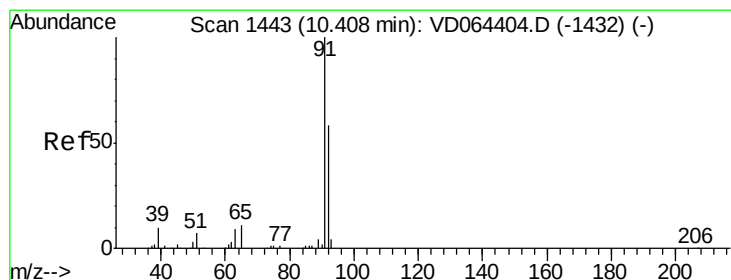
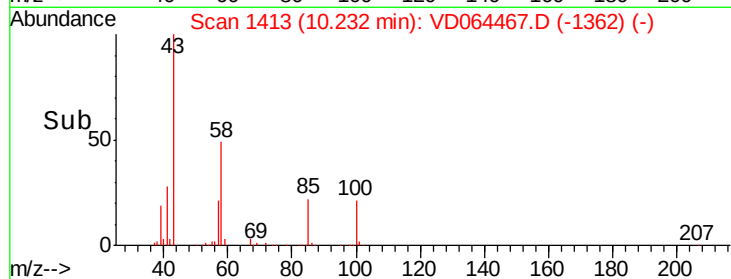
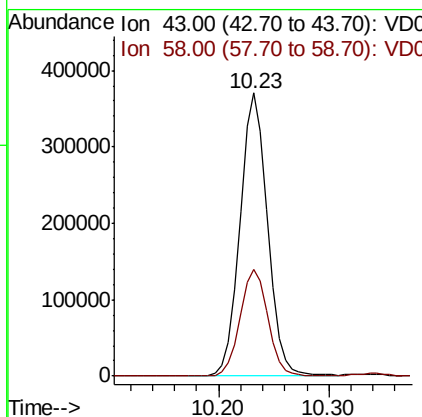
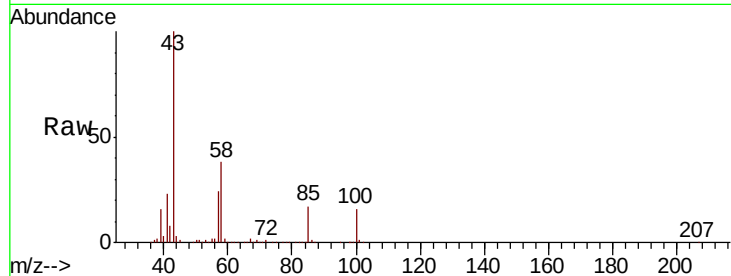




#51
 4-Methyl-2-Pentanone
 Concen: 248.754 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VD064467.D
 Acq: 06 Dec 2019 19:17

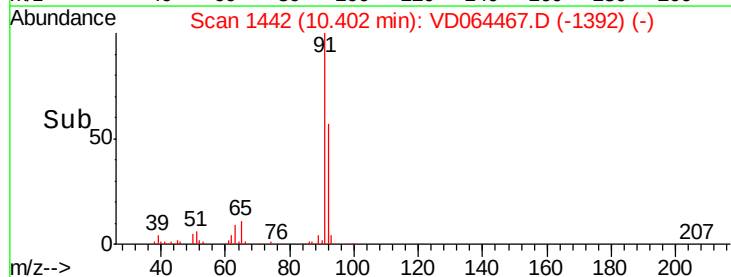
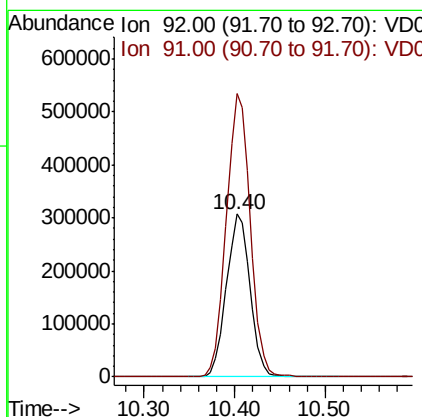
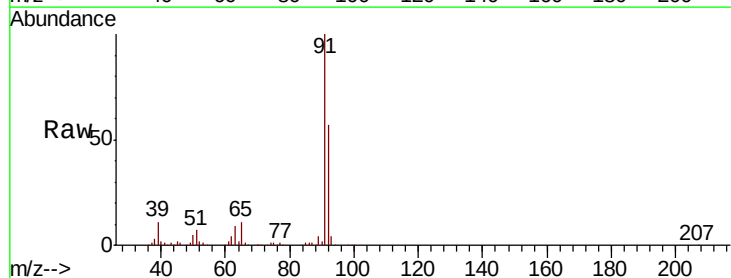
Instrument :
 MSVOA_D
 ClientSampleId :

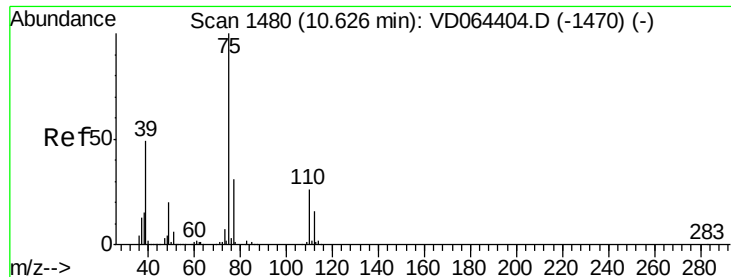
Tot Ion: 43 Resp: 648414
 Ion Ratio Lower Upper
 43 100
 58 38.2 30.6 46.0



#52
 Toluene
 Concen: 48.760 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: VD064467.D
 Acq: 06 Dec 2019 19:17

Tgt Ion: 92 Resp: 557308
 Ion Ratio Lower Upper
 92 100
 91 176.2 137.8 206.6





#53

t-1,3-Dichloropropene

Concen: 50.214 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD064467.D

Acq: 06 Dec 2019 19:17

Instrument :

MSVOA_D

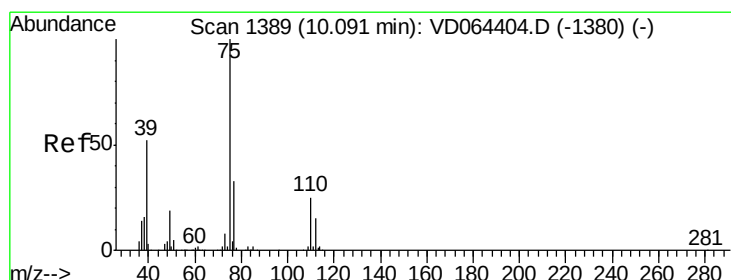
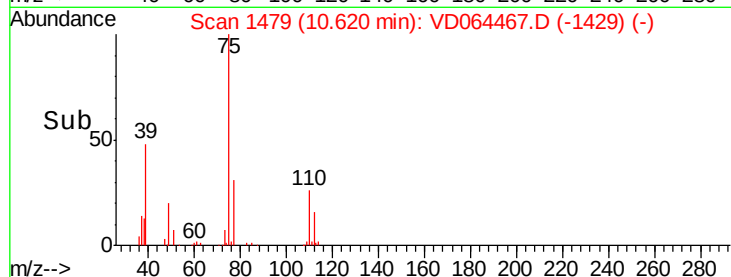
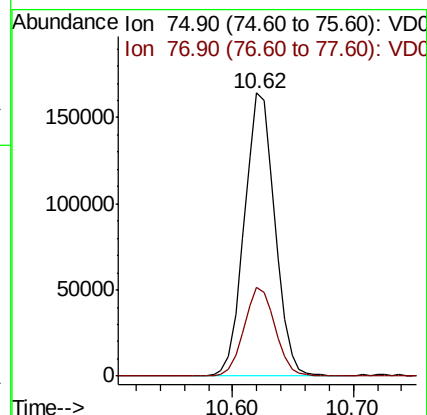
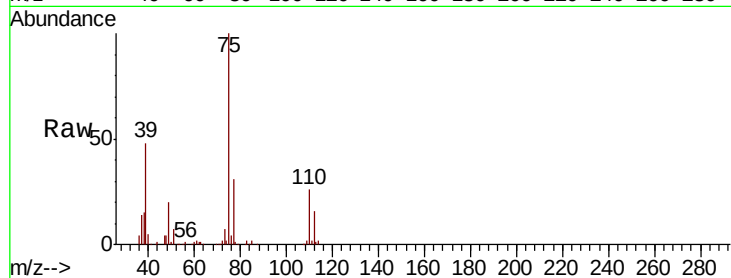
ClientSampled :

Tot Ion: 75 Resp: 291092

Ion Ratio Lower Upper

75 100

77 31.5 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 50.967 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064467.D

Acq: 06 Dec 2019 19:17

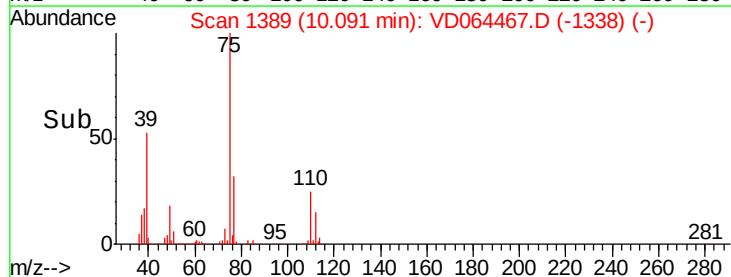
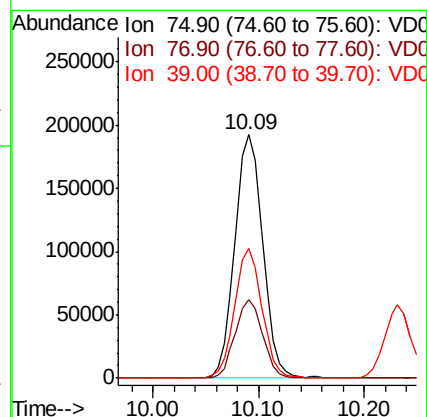
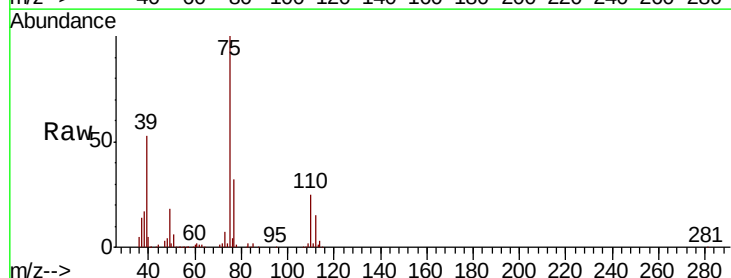
Tgt Ion: 75 Resp: 350998

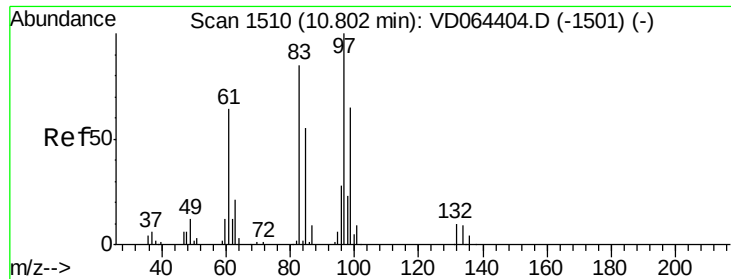
Ion Ratio Lower Upper

75 100

77 32.0 26.1 39.1

39 53.2 41.5 62.3

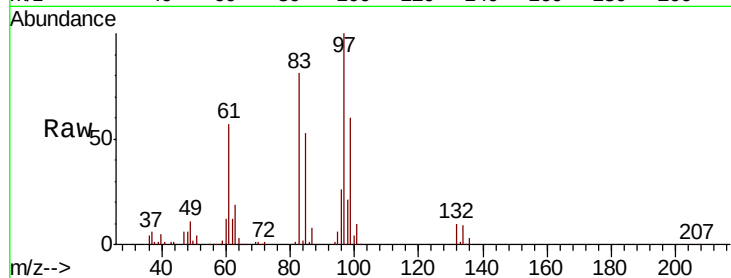




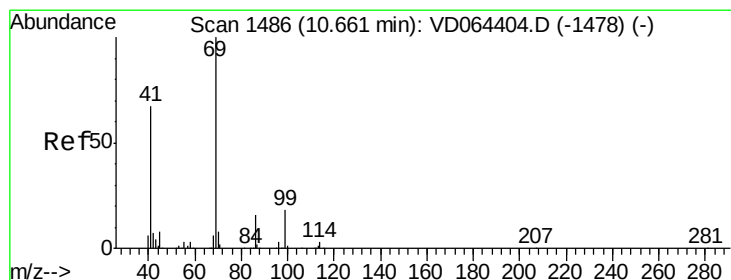
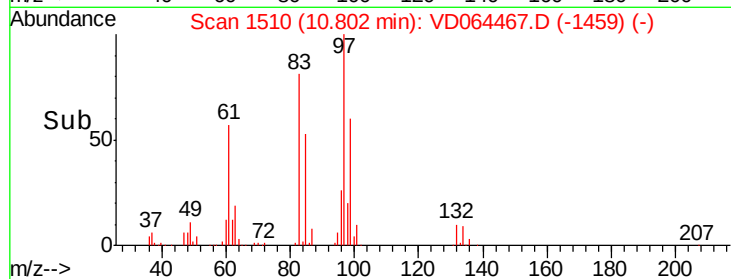
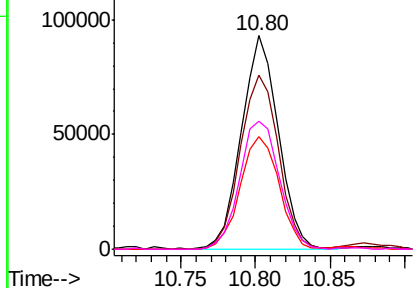
#55
 1,1,2-Trichloroethane
 Concen: 49.374 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064467.D
 Acq: 06 Dec 2019 19:17

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	160045
Ion	Ratio	Lower	Upper
97	100		
83	81.5	67.8	101.8
85	52.7	43.7	65.5
99	59.9	51.7	77.5

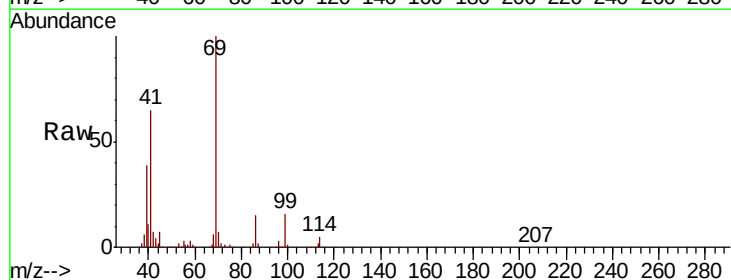


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

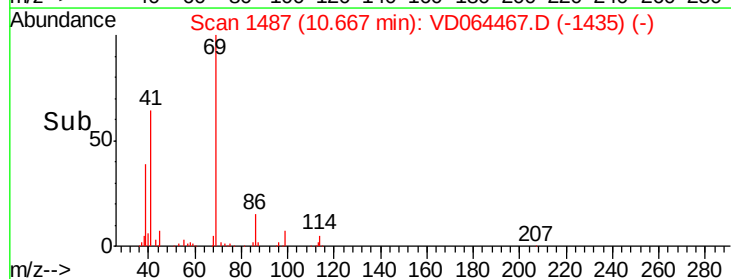
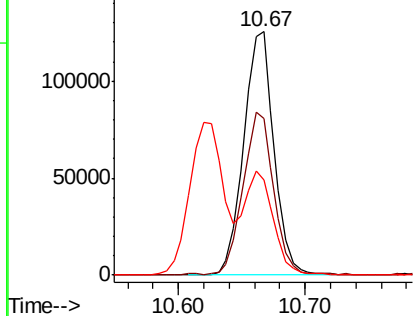


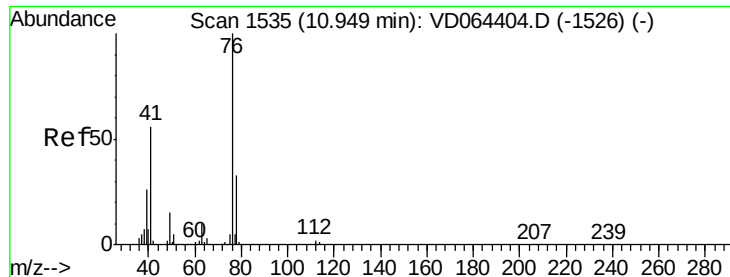
#56
 Ethyl methacrylate
 Concen: 50.386 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064467.D
 Acq: 06 Dec 2019 19:17

Tgt Ion:	69	Resp:	208313
Ion	Ratio	Lower	Upper
69	100		
41	67.5	55.0	82.4
39	41.2	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: 50.080 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD064467.D

Acq: 06 Dec 2019 19:17

Instrument :

MSVOA_D

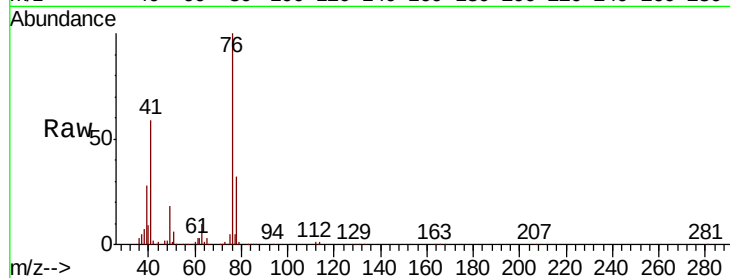
ClientSampleId :

Tot Ion: 76 Resp: 276336

Ion Ratio Lower Upper

76 100

78 32.3 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

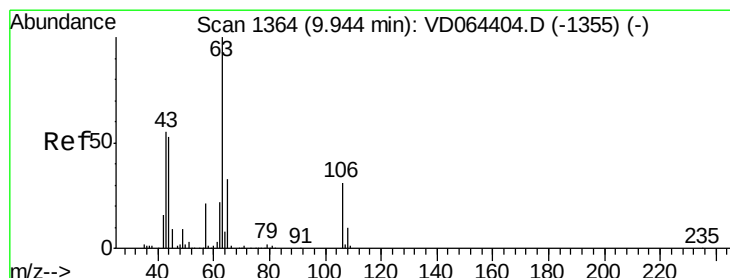
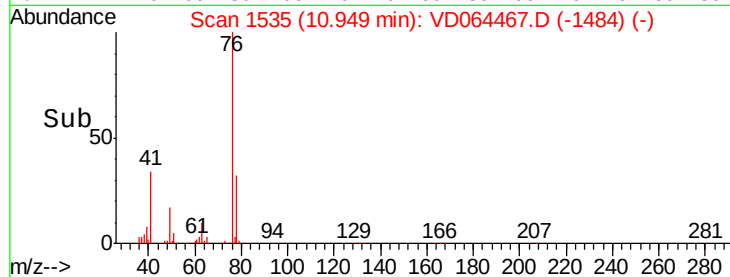
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 236.205 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064467.D

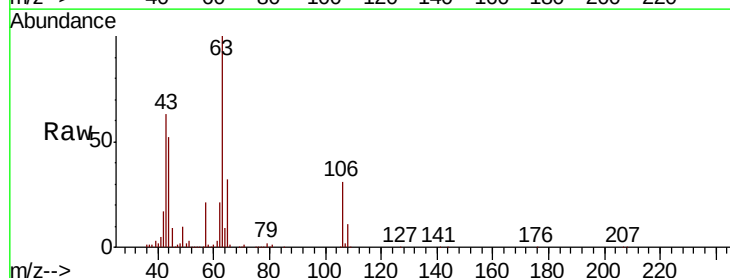
Acq: 06 Dec 2019 19:17

Tgt Ion: 63 Resp: 389293

Ion Ratio Lower Upper

63 100

106 30.1 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.94

250000

200000

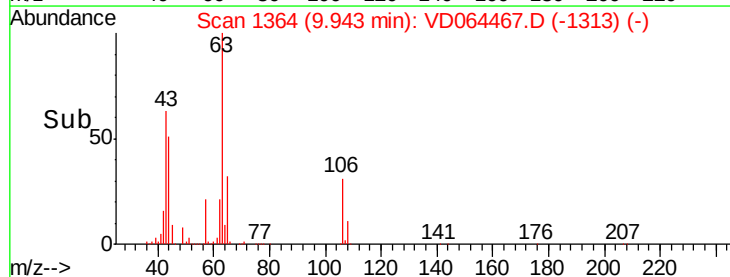
150000

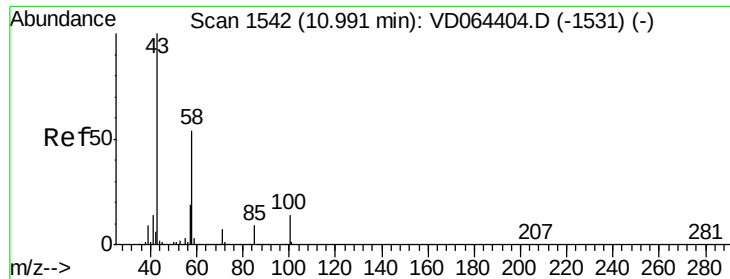
100000

50000

0

Time-->

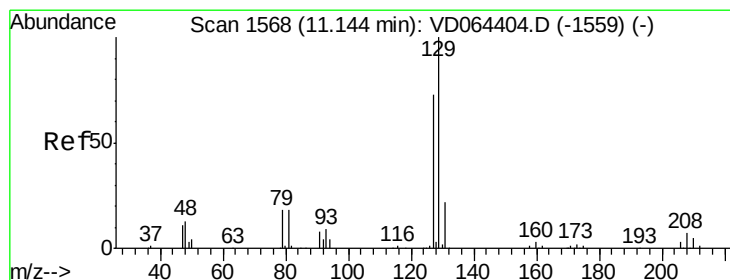
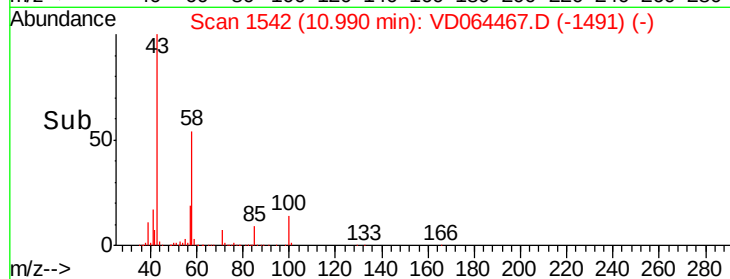
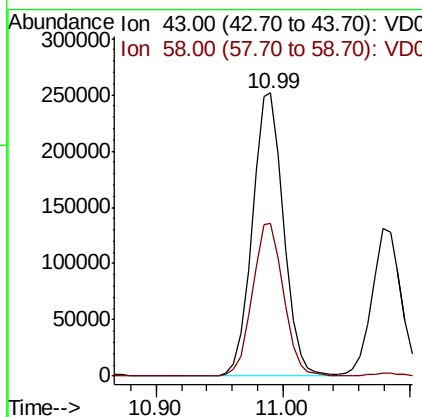
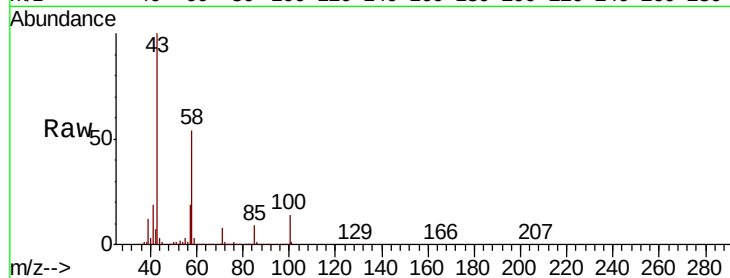




#59
2-Hexanone
Concen: 238.578 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064467.D
Acq: 06 Dec 2019 19:17

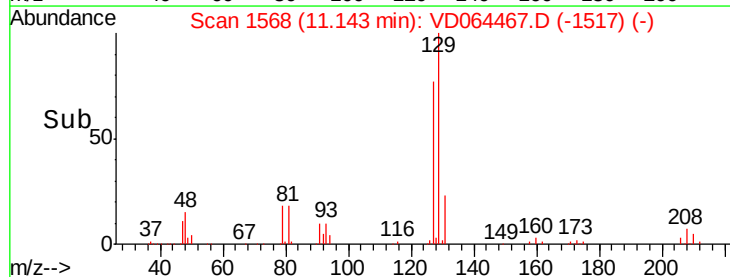
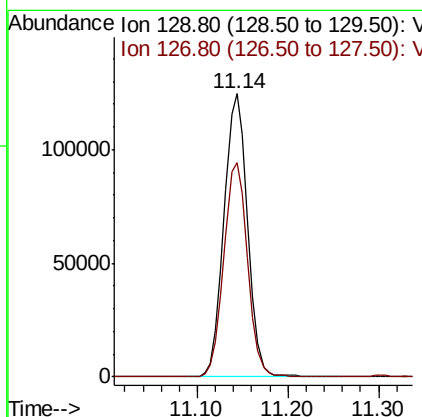
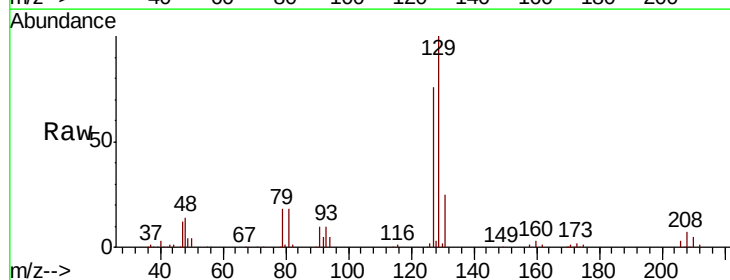
Instrument :
MSVOA_D
ClientSampleId :

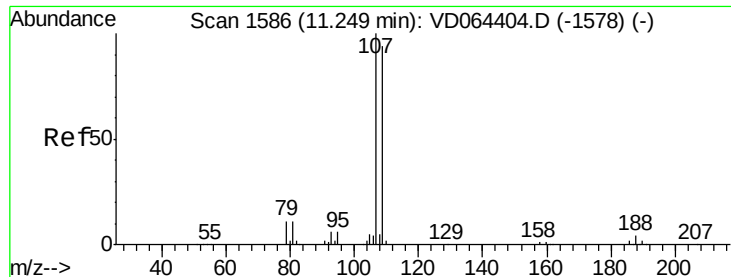
Tot Ion: 43 Resp: 431523
Ion Ratio Lower Upper
43 100
58 54.2 26.3 78.8



#60
Dibromochloromethane
Concen: 50.979 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064467.D
Acq: 06 Dec 2019 19:17

Tgt Ion: 129 Resp: 224054
Ion Ratio Lower Upper
129 100
127 76.6 38.1 114.3





#61

1,2-Dibromoethane

Concen: 49.339 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD064467.D

Acq: 06 Dec 2019 19:17

Instrument :

MSVOA_D

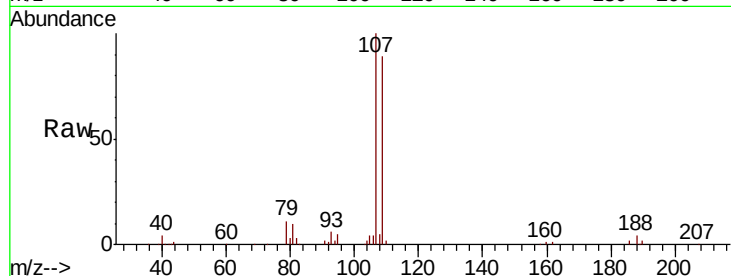
ClientSampled :

Tot Ion:107 Resp: 159686

Ion Ratio Lower Upper

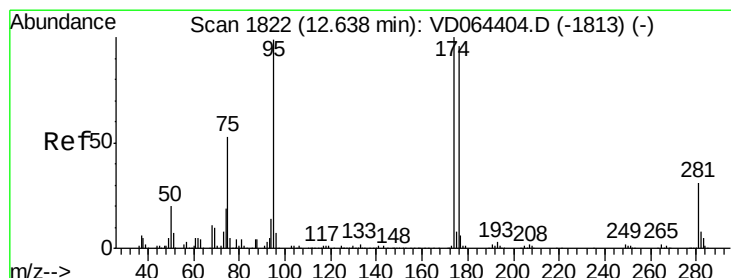
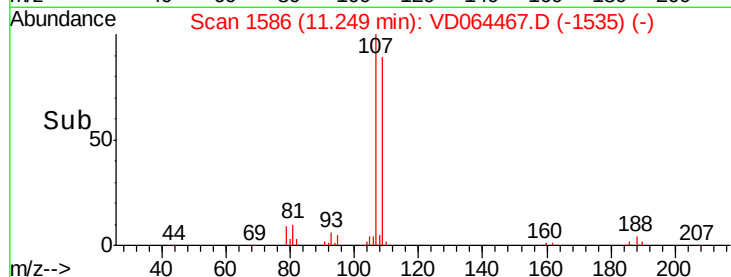
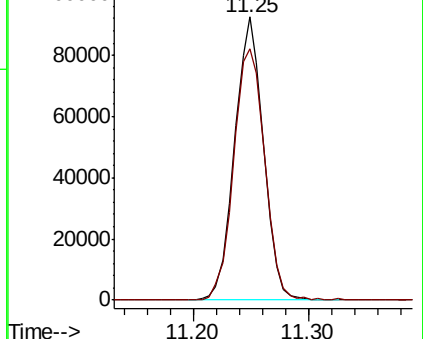
107 100

109 95.4 76.2 114.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.656 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064467.D

Acq: 06 Dec 2019 19:17

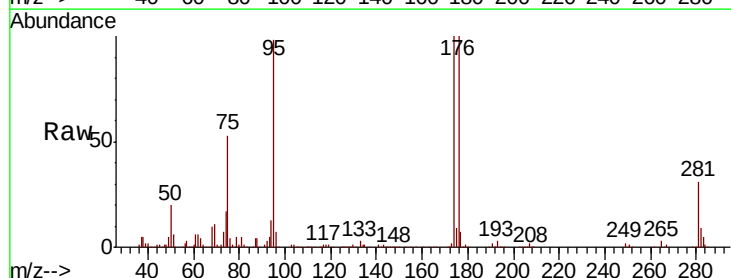
Tgt Ion: 95 Resp: 252841

Ion Ratio Lower Upper

95 100

174 97.7 0.0 197.2

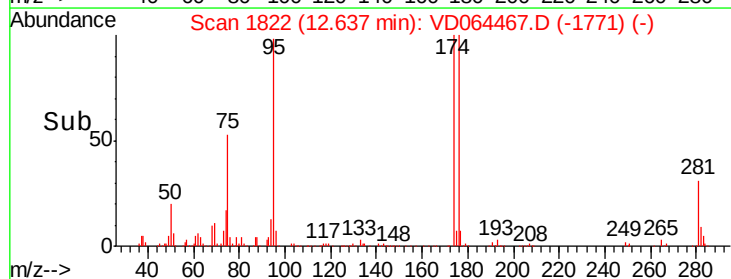
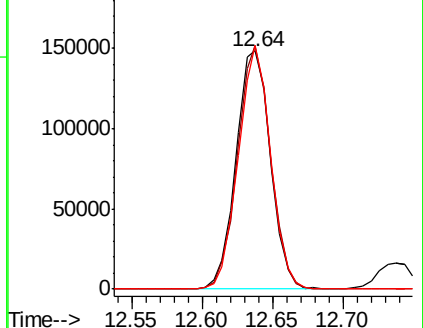
176 95.9 0.0 189.6

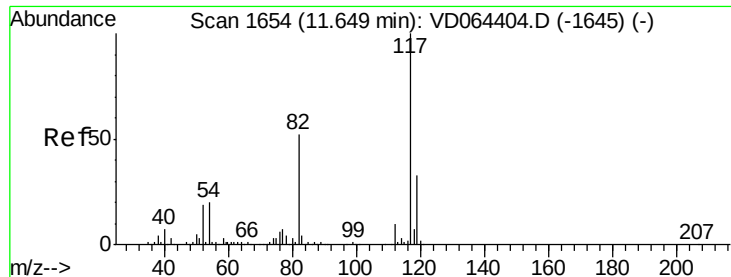


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

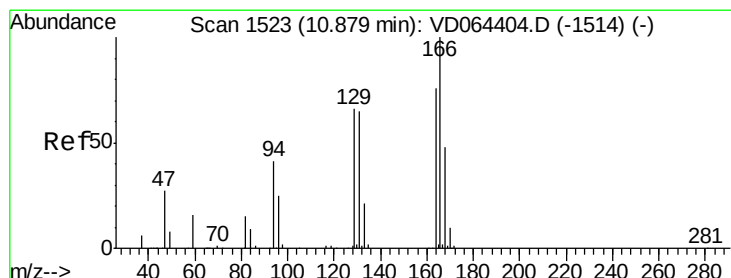
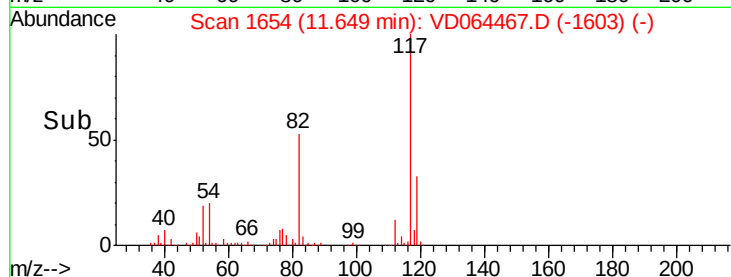
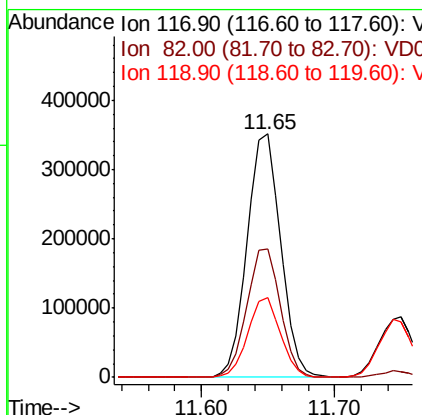
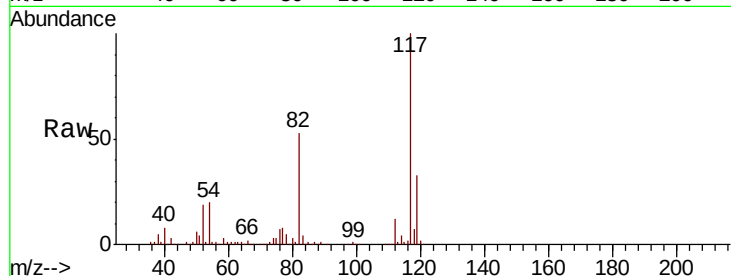




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064467.D
Acq: 06 Dec 2019 19:17

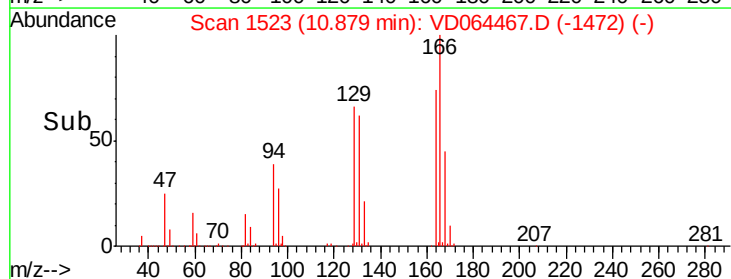
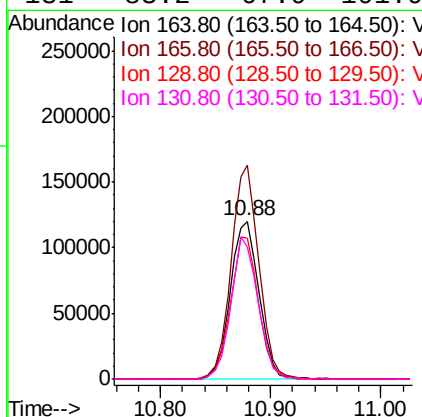
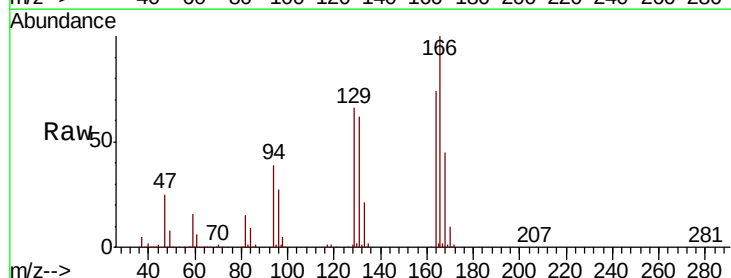
Instrument :
MSVOA_D
ClientSampleId :

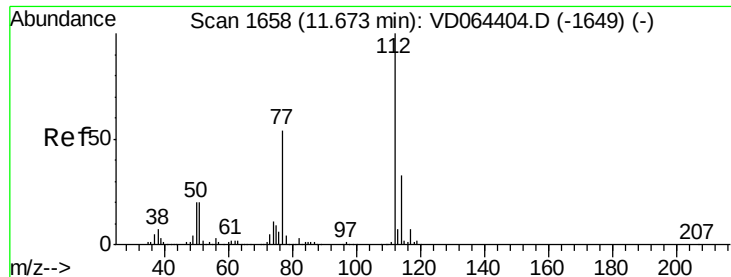
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	41.4	62.2
119	32.7	26.2	39.2



#64
Tetrachloroethene
Concen: 47.038 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064467.D
Acq: 06 Dec 2019 19:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	135.1	104.8	157.2
129	89.1	68.7	103.1
131	83.2	67.9	101.9

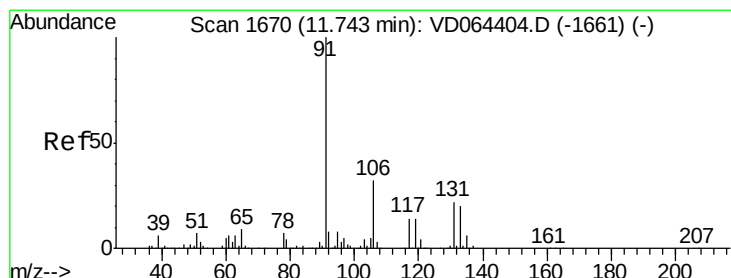
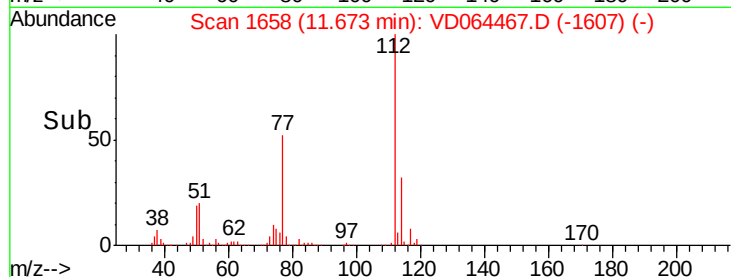
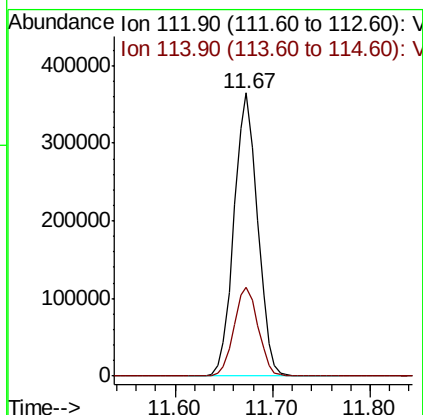
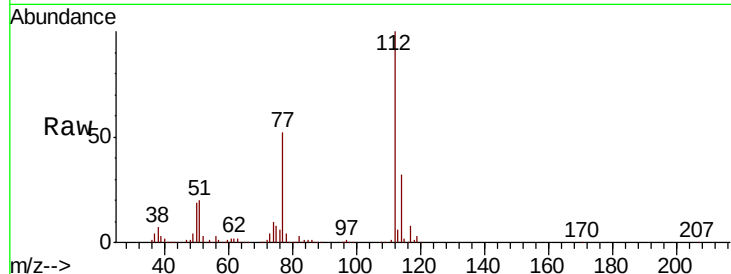




#65
Chlorobenzene
Concen: 48.276 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064467.D
Acq: 06 Dec 2019 19:17

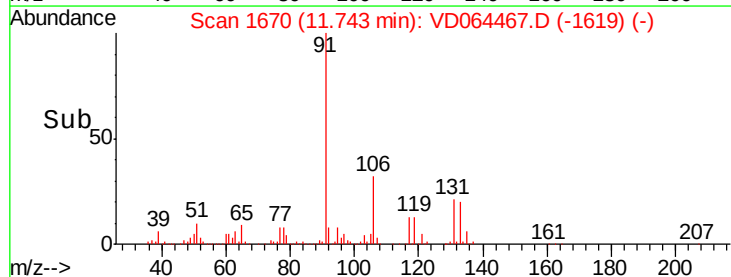
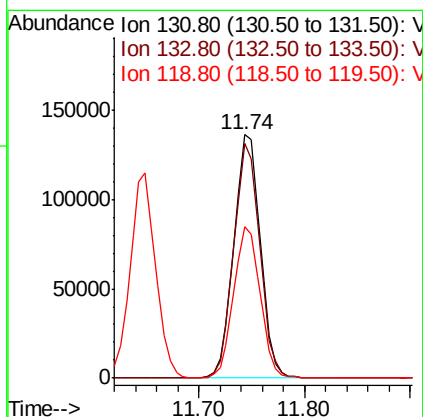
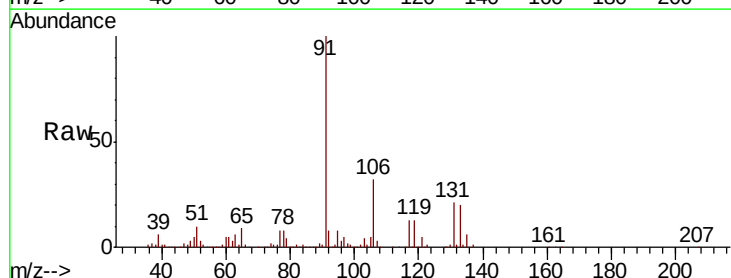
Instrument :
MSVOA_D
ClientSampled :

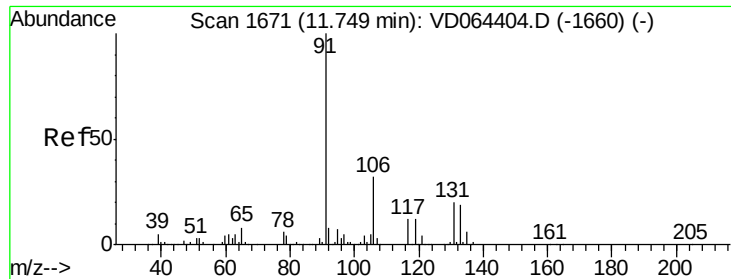
Tot Ion:112 Resp: 614216
Ion Ratio Lower Upper
112 100
114 31.6 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 50.089 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD064467.D
Acq: 06 Dec 2019 19:17

Tgt Ion:131 Resp: 235913
Ion Ratio Lower Upper
131 100
133 95.1 48.3 144.9
119 62.2 31.9 95.9

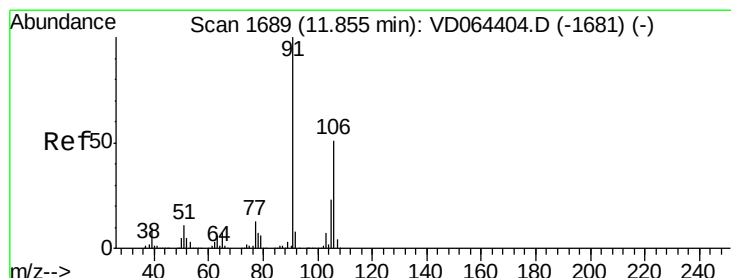
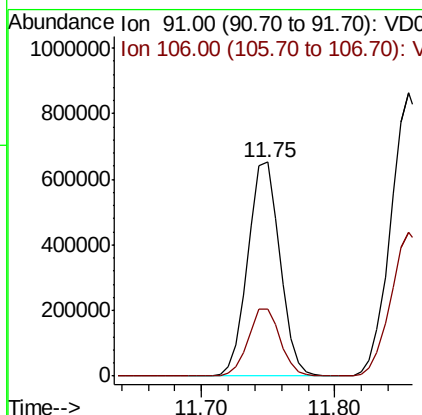
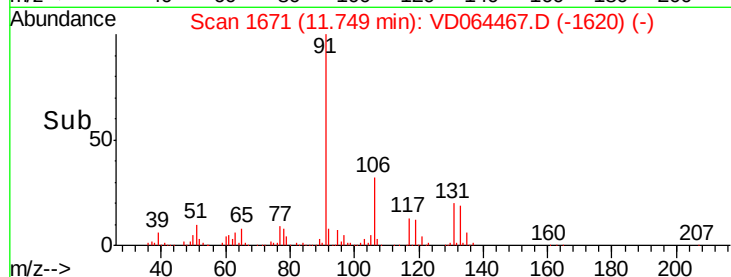
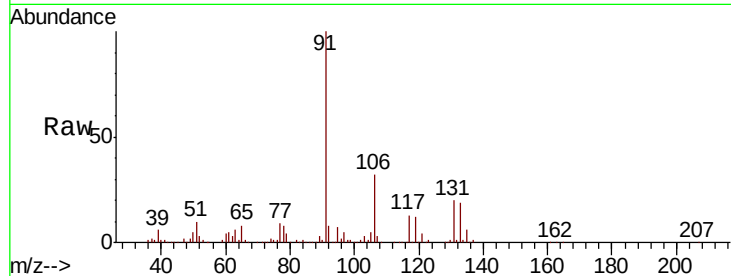




#67
Ethyl Benzene
Concen: 47.805 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064467.D
Acq: 06 Dec 2019 19:17

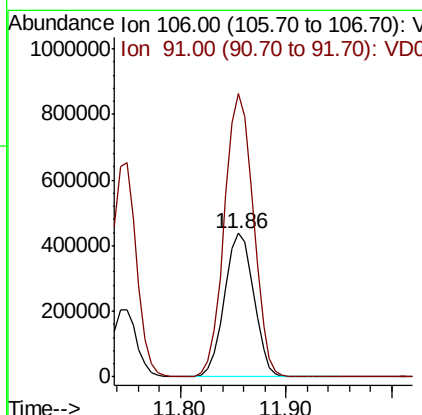
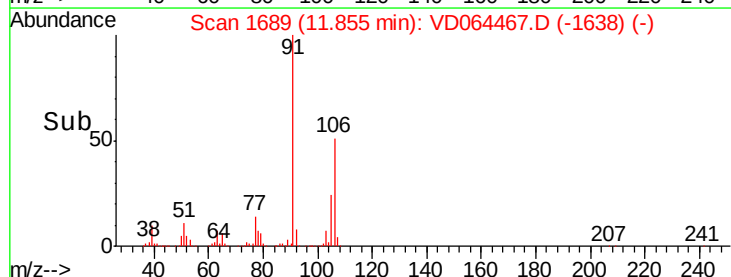
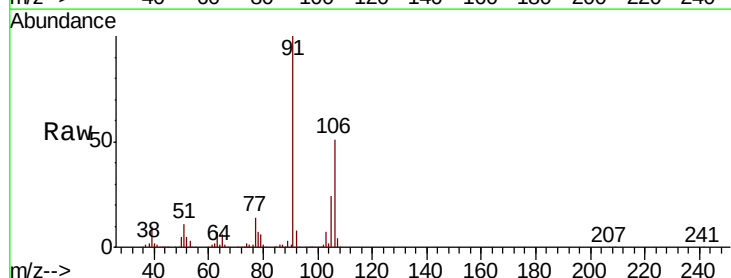
Instrument :
MSVOA_D
ClientSampled :

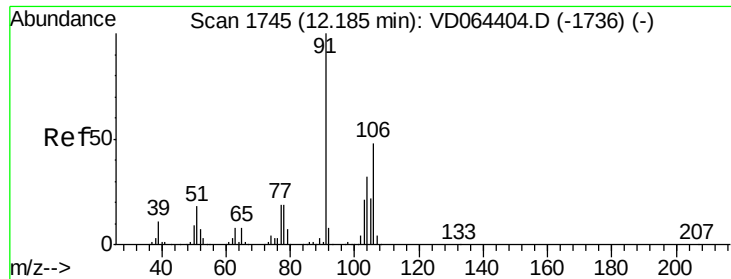
Tot Ion: 91 Resp: 1082171
Ion Ratio Lower Upper
91 100
106 31.5 25.8 38.8



#68
m/p-Xylenes
Concen: 97.493 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD064467.D
Acq: 06 Dec 2019 19:17

Tgt Ion: 106 Resp: 841492
Ion Ratio Lower Upper
106 100
91 195.7 157.4 236.2

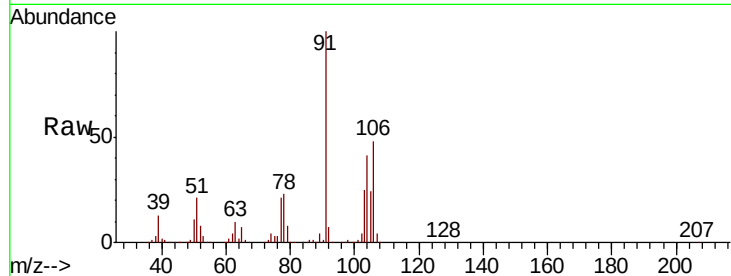




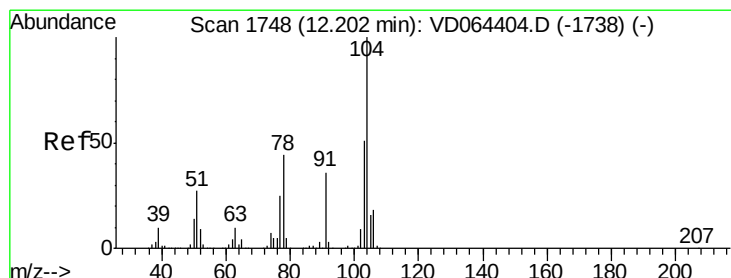
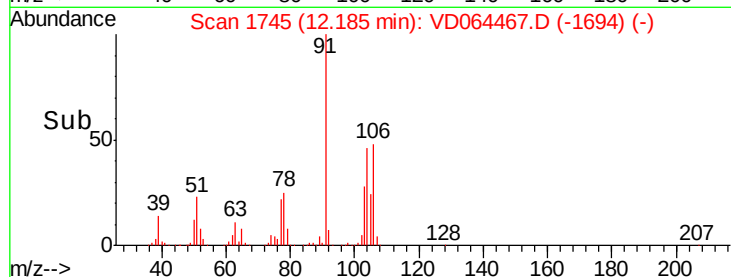
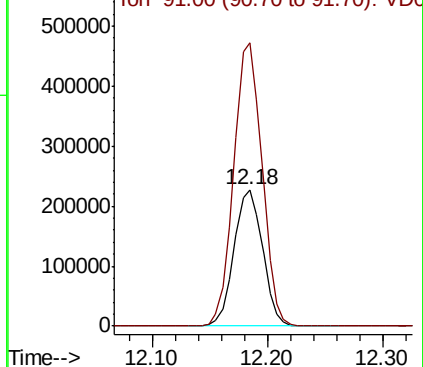
#69
o-Xylene
Concen: 48.808 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064467.D
Acq: 06 Dec 2019 19:17

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 389072
Ion Ratio Lower Upper
106 100
91 206.6 103.8 311.4

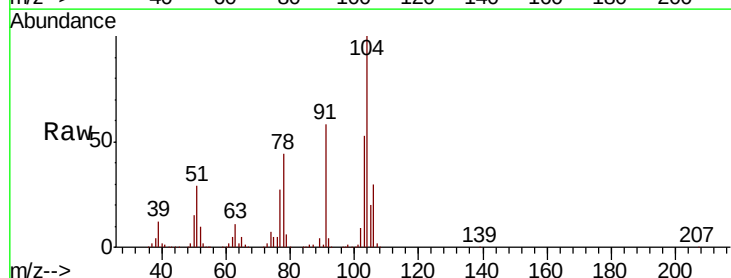


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

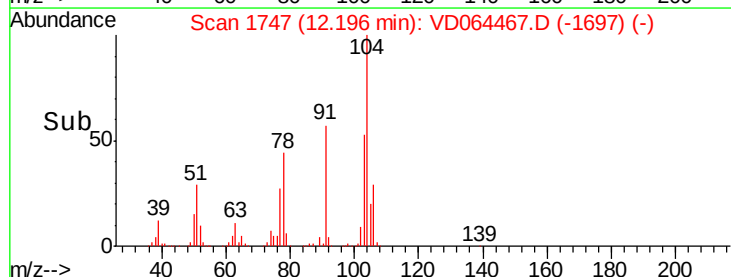
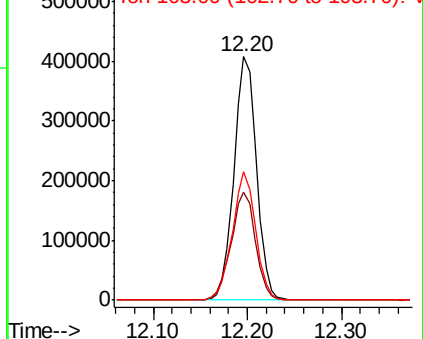


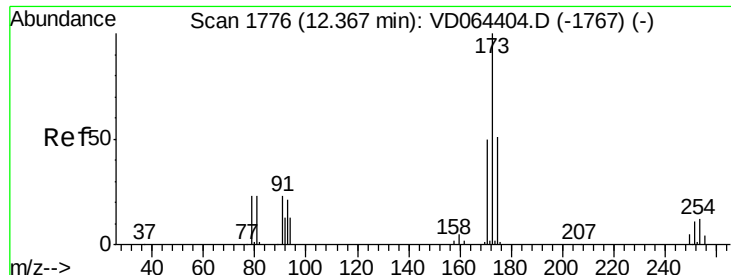
#70
Styrene
Concen: 49.062 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064467.D
Acq: 06 Dec 2019 19:17

Tgt Ion:104 Resp: 679636
Ion Ratio Lower Upper
104 100
78 47.9 38.8 58.2
103 54.4 44.2 66.4



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





#71

Bromoform

Concen: 47.997 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD064467.D

Acq: 06 Dec 2019 19:17

Instrument :

MSVOA_D

ClientSampleId :

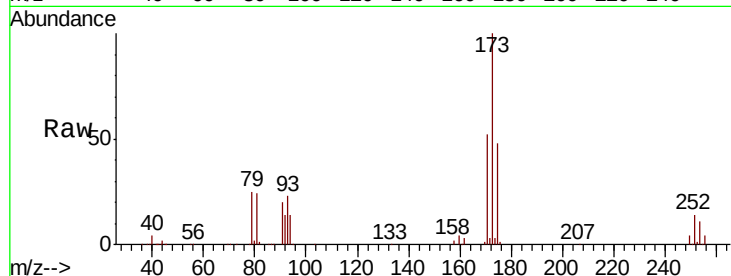
Tot Ion:173 Resp: 135249

Ion Ratio Lower Upper

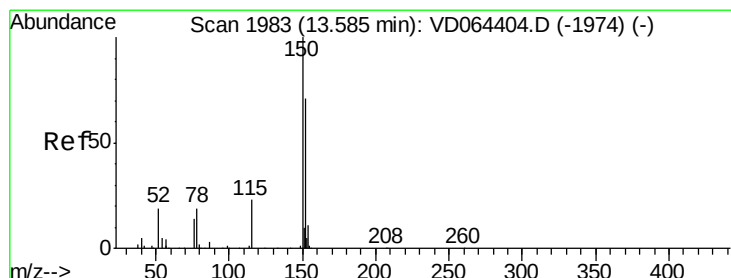
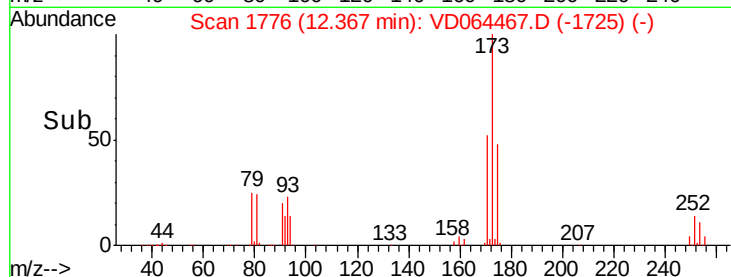
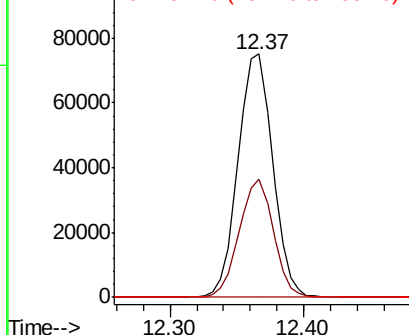
173 100

175 47.7 25.3 75.8

254 0.1 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD064467.D

Acq: 06 Dec 2019 19:17

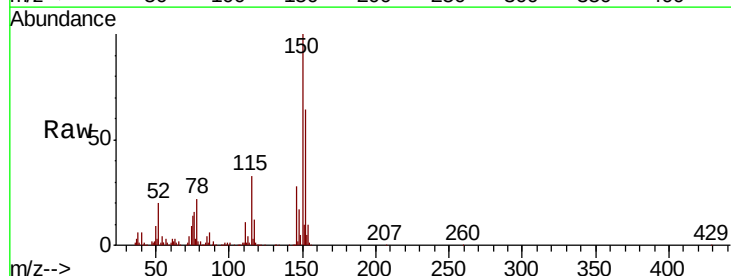
Tgt Ion:152 Resp: 305368

Ion Ratio Lower Upper

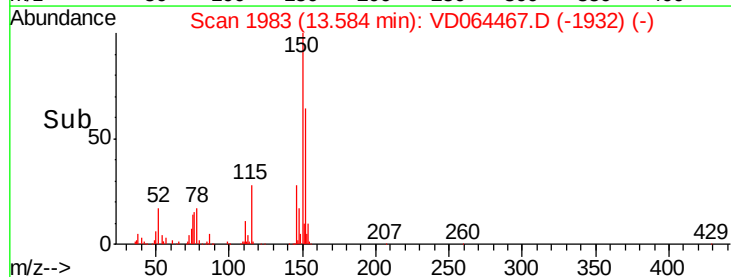
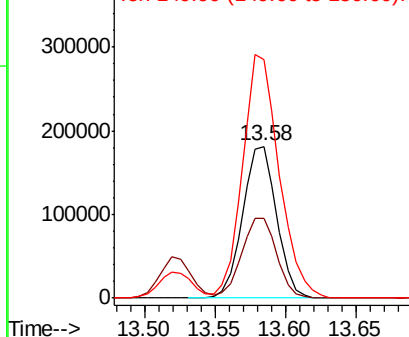
152 100

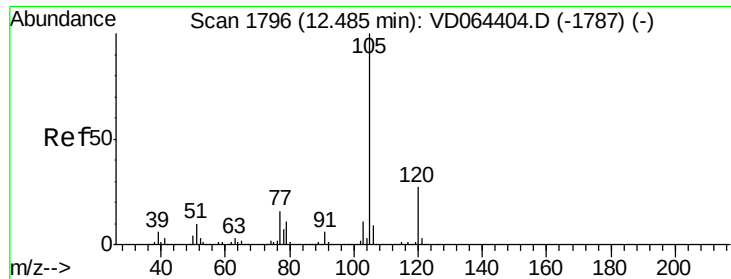
115 53.9 26.7 80.1

150 173.2 0.0 347.2



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





#73

Isopropylbenzene

Concen: 47.003 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD064467.D

Acq: 06 Dec 2019 19:17

Instrument :

MSVOA_D

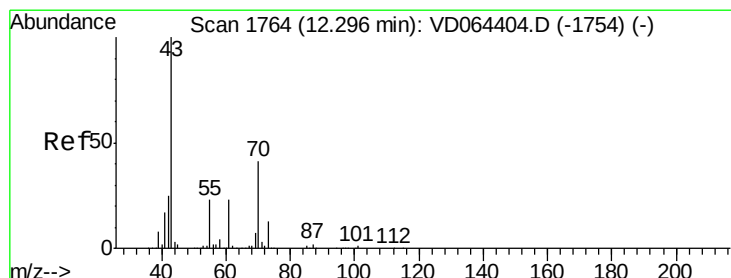
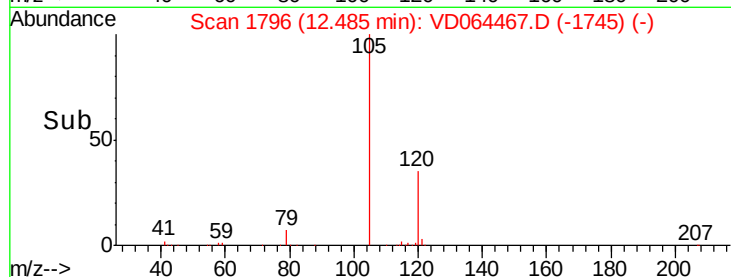
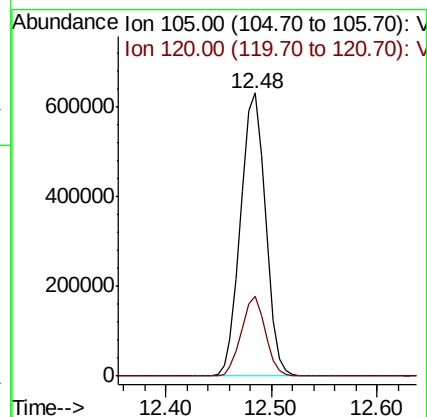
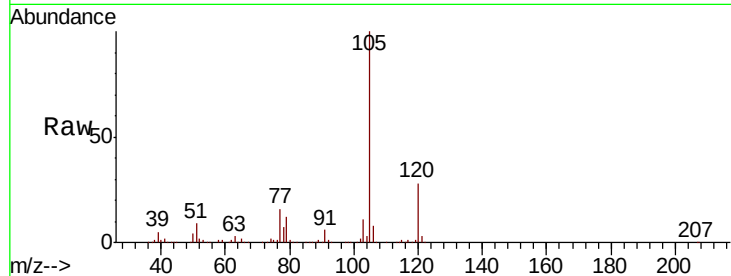
ClientSampleId :

Tot Ion:105 Resp: 1032294

Ion Ratio Lower Upper

105 100

120 27.2 13.4 40.2



#74

N-ethyl acetate

Concen: 47.790 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064467.D

Acq: 06 Dec 2019 19:17

Tgt Ion: 43 Resp: 238216

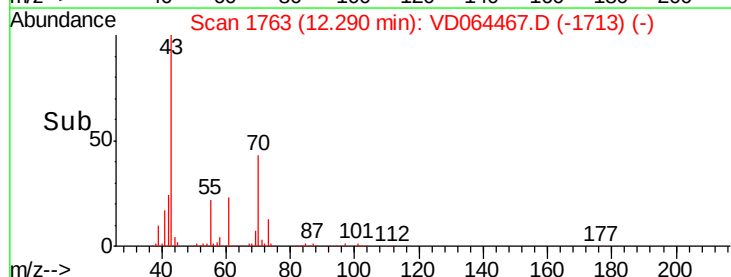
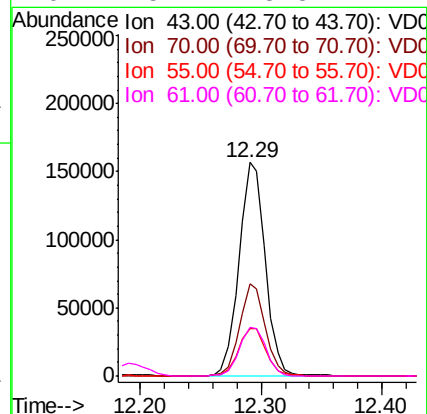
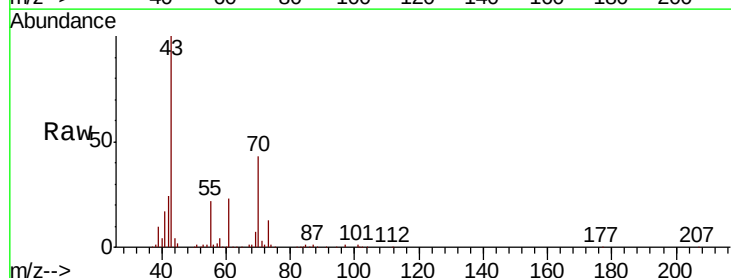
Ion Ratio Lower Upper

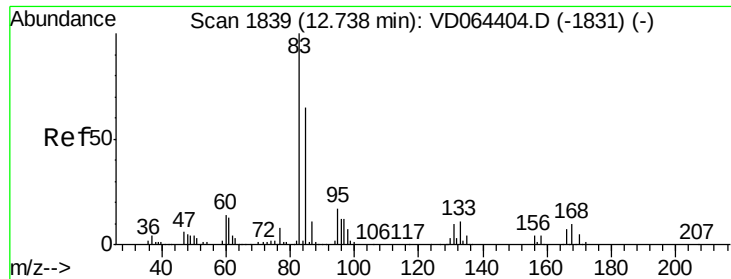
43 100

70 42.2 33.4 50.2

55 23.3 18.9 28.3

61 23.4 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 46.323 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064467.D

Acq: 06 Dec 2019 19:17

Instrument :

MSVOA_D

ClientSampleId :

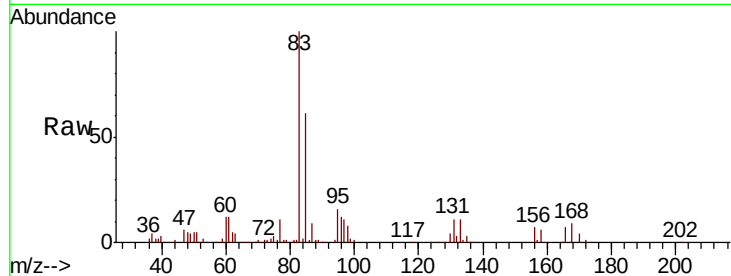
Tot Ion: 83 Resp: 168239

Ion Ratio Lower Upper

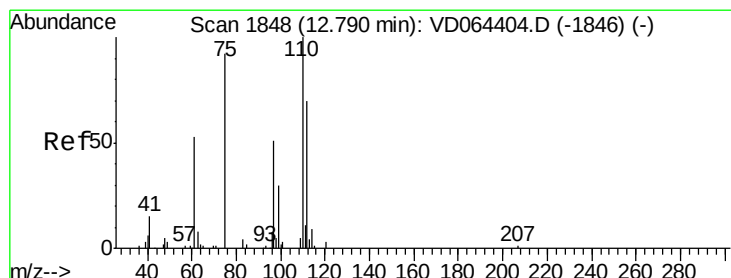
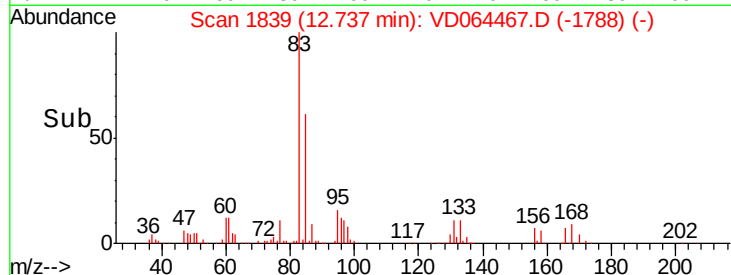
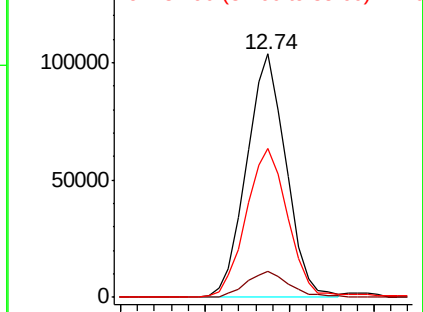
83 100

131 11.7 5.7 17.0

85 65.5 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: 89.243 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD064467.D

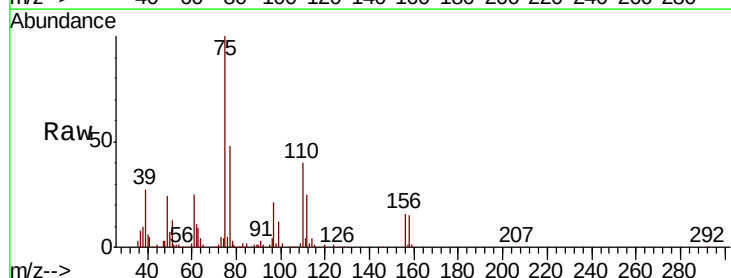
Acq: 06 Dec 2019 19:17

Tgt Ion: 75 Resp: 224110

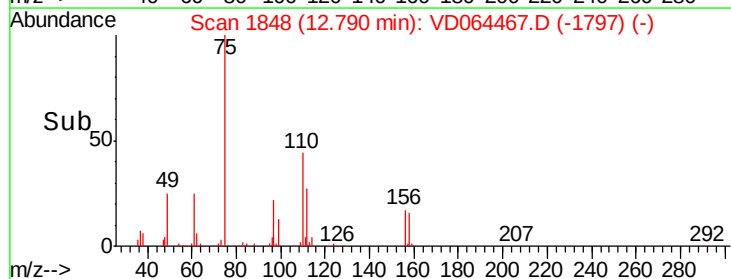
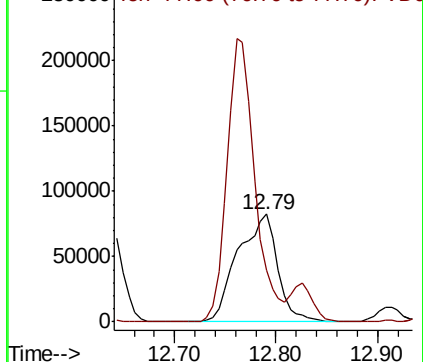
Ion Ratio Lower Upper

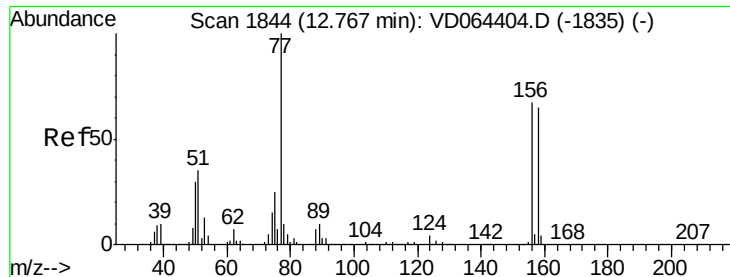
75 100

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: 47.609 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064467.D

Acq: 06 Dec 2019 19:17

Instrument :

MSVOA_D

ClientSampled :

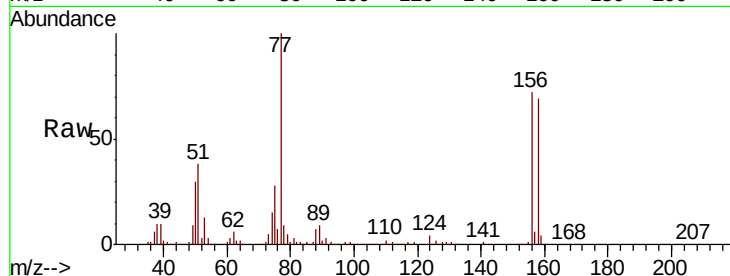
Tot Ion:156 Resp: 258211

Ion Ratio Lower Upper

156 100

77 160.7 80.0 240.2

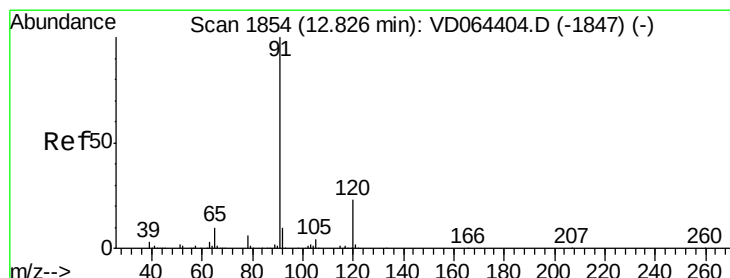
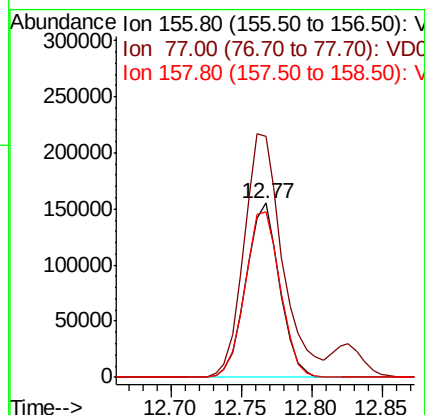
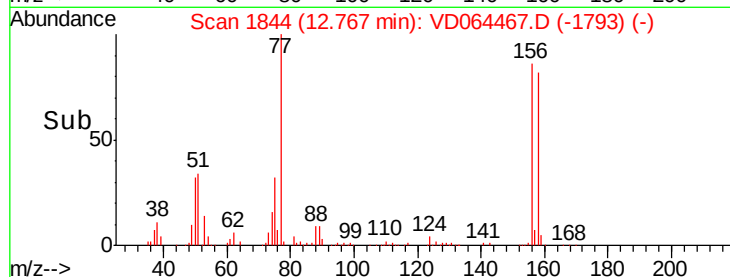
158 99.9 48.9 146.6



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: 47.266 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064467.D

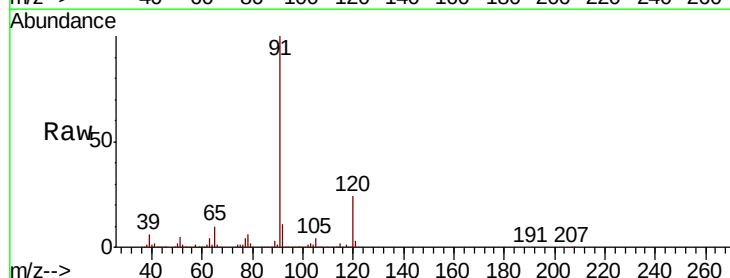
Acq: 06 Dec 2019 19:17

Tgt Ion: 91 Resp: 1197744

Ion Ratio Lower Upper

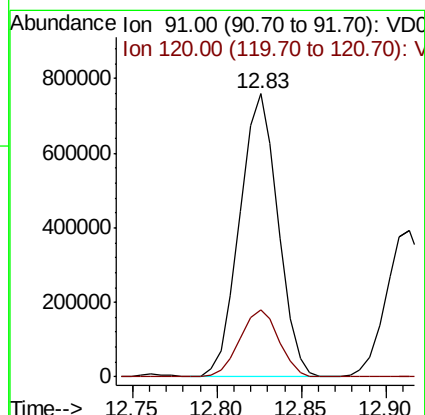
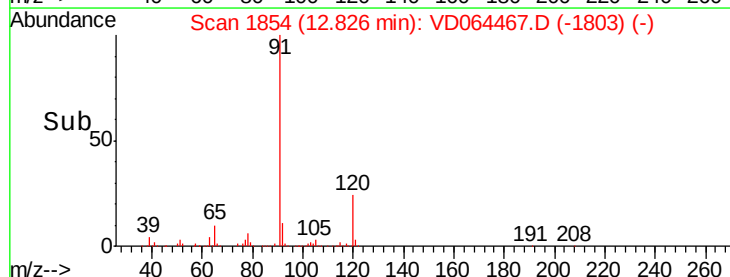
91 100

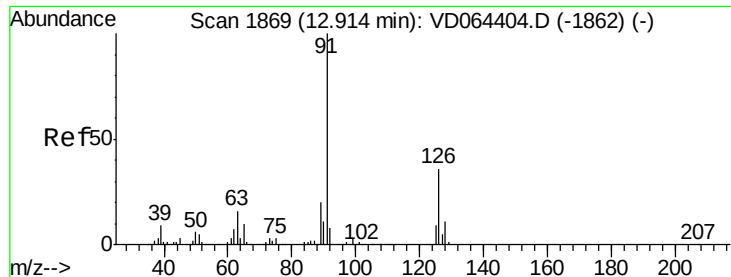
120 24.1 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.673 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD064467.D

Acq: 06 Dec 2019 19:17

Instrument :

MSVOA_D

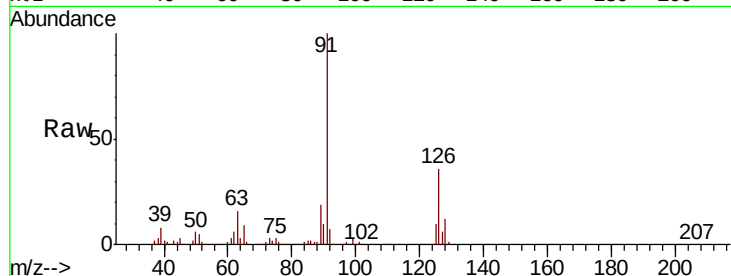
ClientSampled :

Tot Ion: 91 Resp: 664731

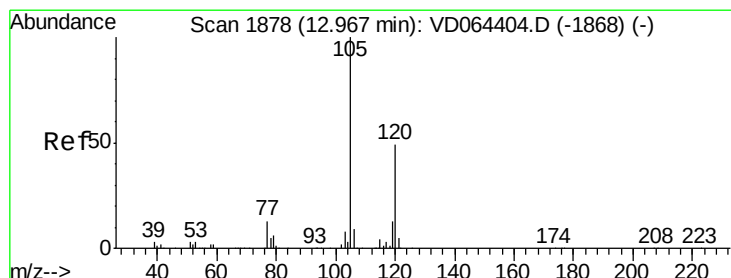
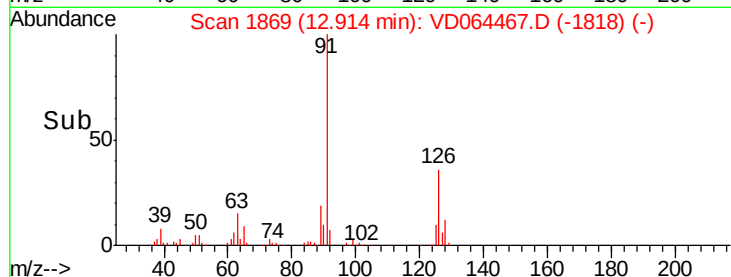
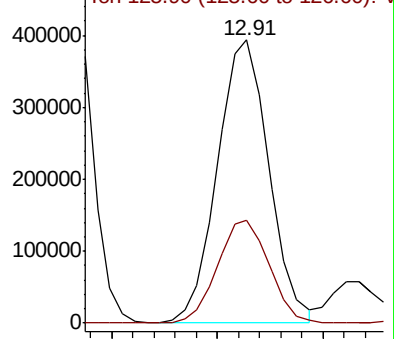
Ion Ratio Lower Upper

91 100

126 36.8 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VD064404.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 47.191 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD064467.D

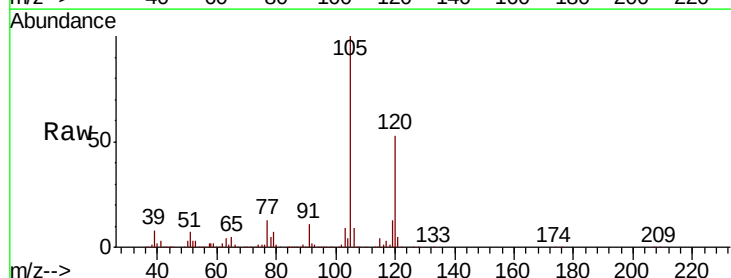
Acq: 06 Dec 2019 19:17

Tgt Ion:105 Resp: 846960

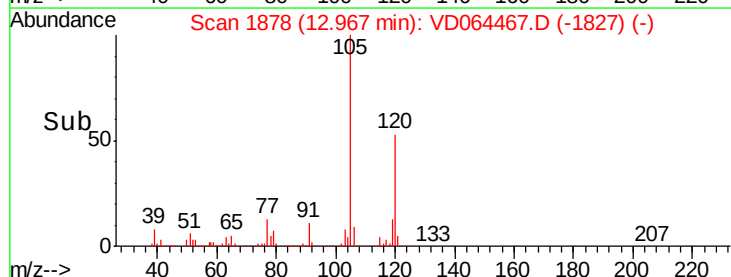
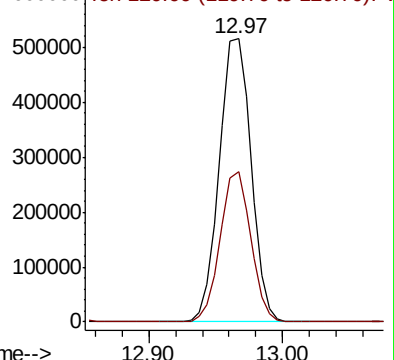
Ion Ratio Lower Upper

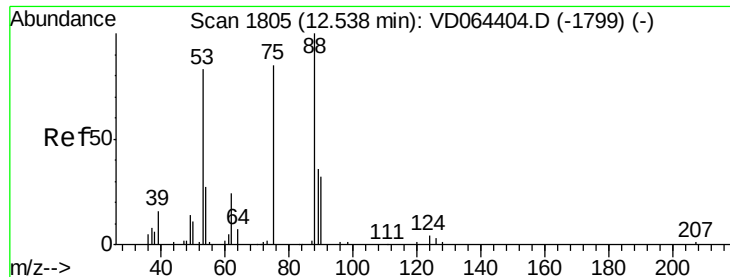
105 100

120 51.2 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): VD064404.D (-1868) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 48.175 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064467.D

Acq: 06 Dec 2019 19:17

Instrument :

MSVOA_D

ClientSampleId :

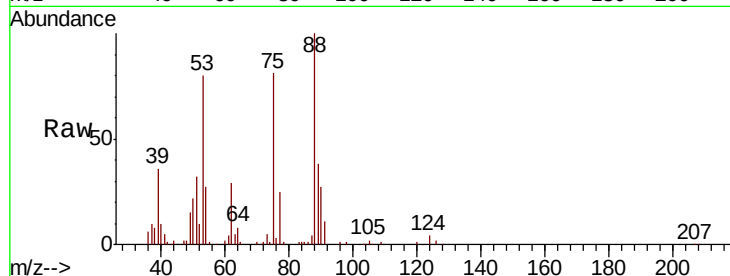
Tot Ion: 75 Resp: 55482

Ion Ratio Lower Upper

75 100

53 97.6 81.0 121.6

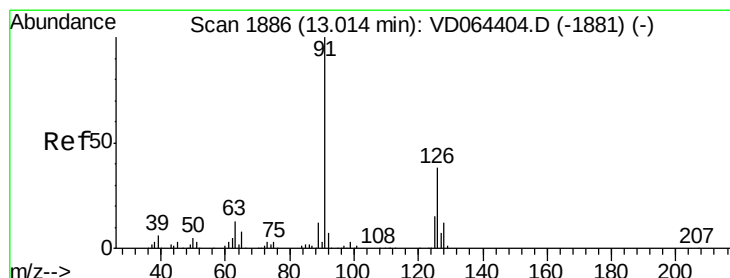
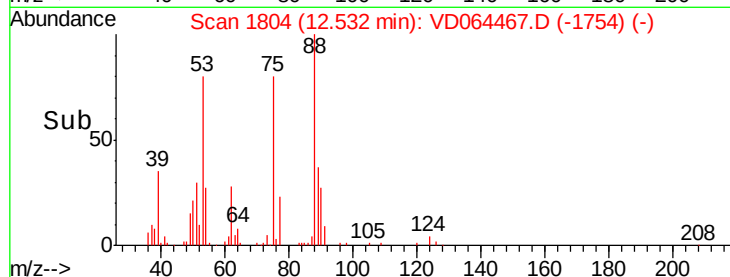
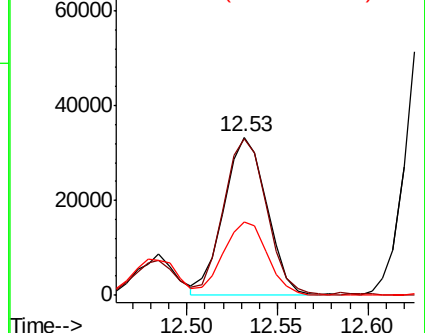
89 47.6 38.5 57.7



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: 47.962 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064467.D

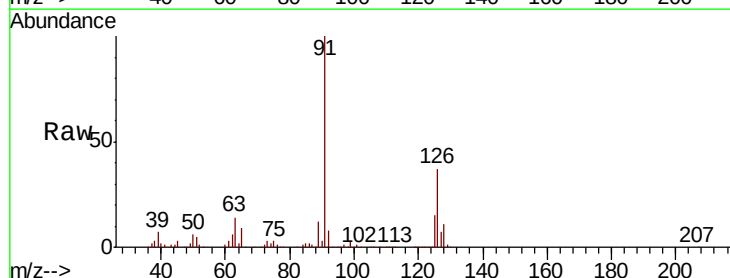
Acq: 06 Dec 2019 19:17

Tgt Ion: 91 Resp: 708064

Ion Ratio Lower Upper

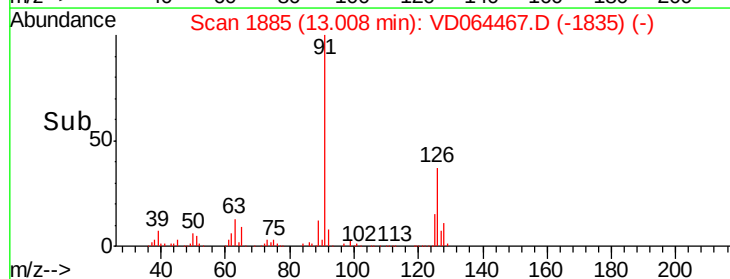
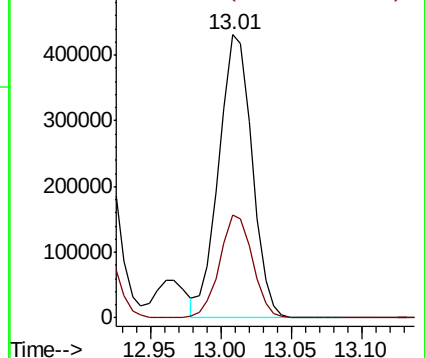
91 100

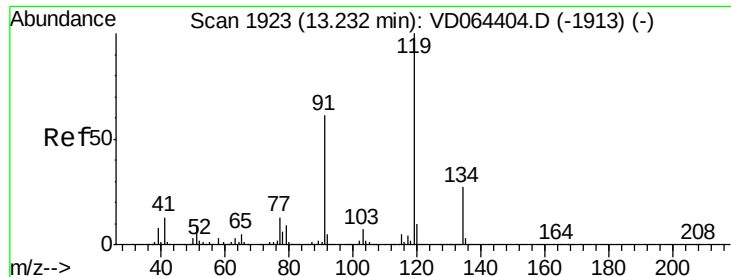
126 35.9 18.2 54.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

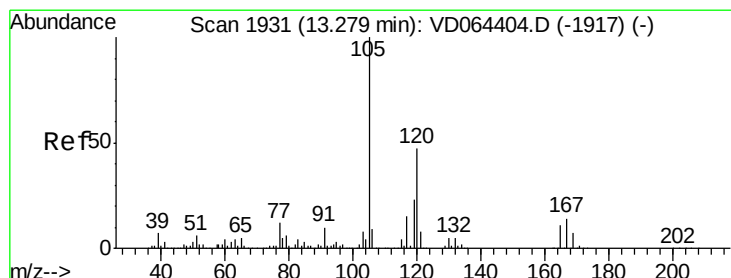
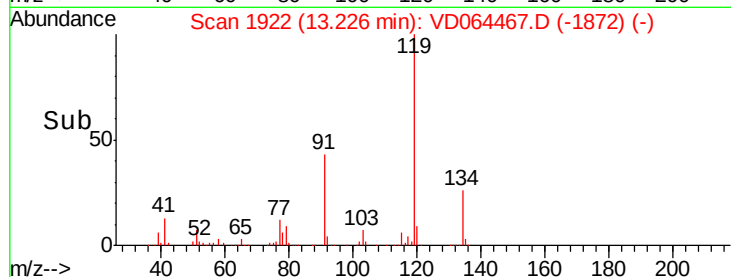
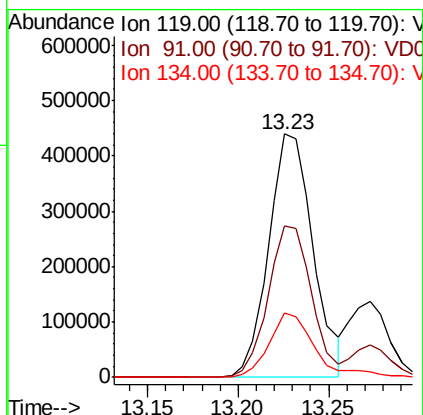
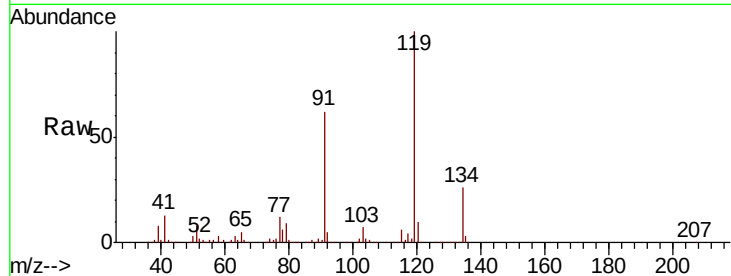




#83
 tert-Butylbenzene
 Concen: 48.199 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.01 min
 Lab File: VD064467.D
 Acq: 06 Dec 2019 19:17

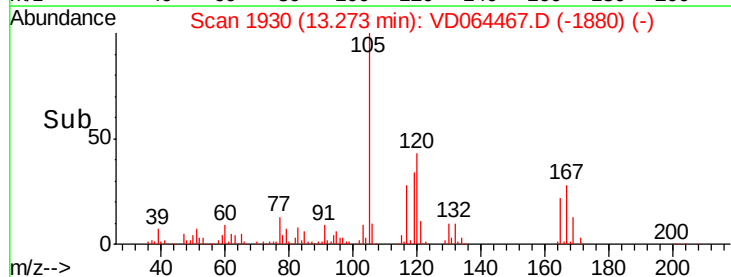
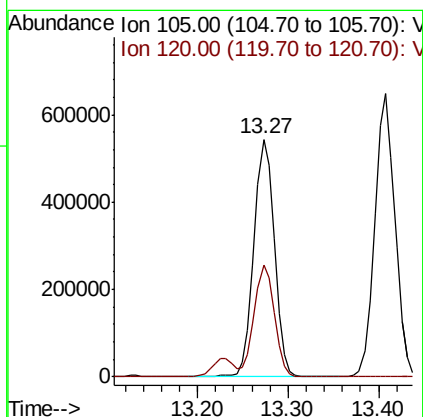
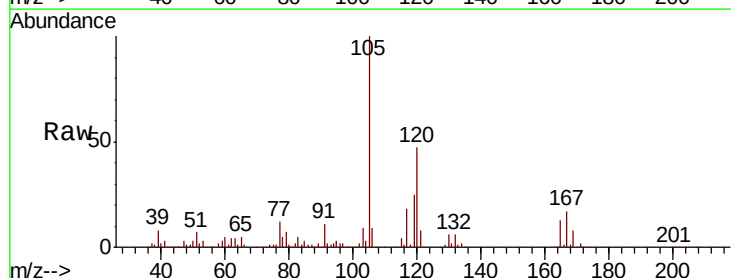
Instrument :
 MSVOA_D
 ClientSampleID :

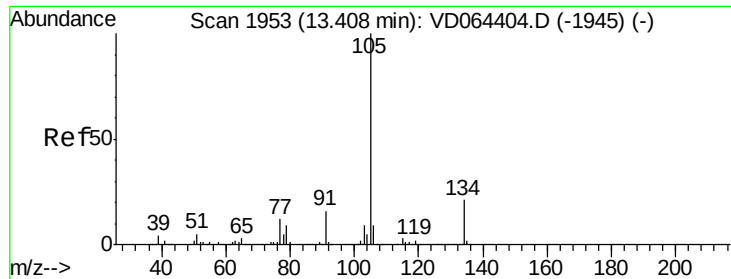
Tot Ion:119 Resp: 752051
 Ion Ratio Lower Upper
 119 100
 91 60.7 31.2 93.6
 134 27.3 13.9 41.7



#84
 1,2,4-Trimethylbenzene
 Concen: 47.347 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: VD064467.D
 Acq: 06 Dec 2019 19:17

Tgt Ion:105 Resp: 854471
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.6 70.8





#85

sec-Butylbenzene

Concen: 46.743 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064467.D

Acq: 06 Dec 2019 19:17

Instrument :

MSVOA_D

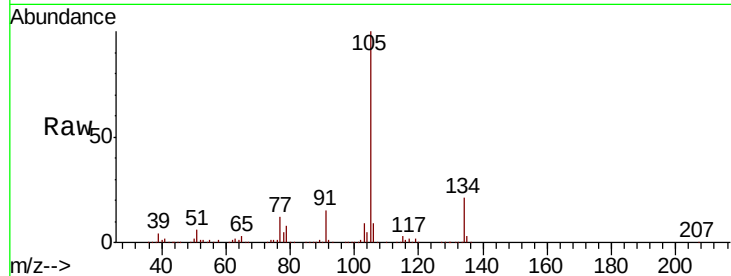
ClientSampleId :

Tot Ion:105 Resp: 1000997

Ion Ratio Lower Upper

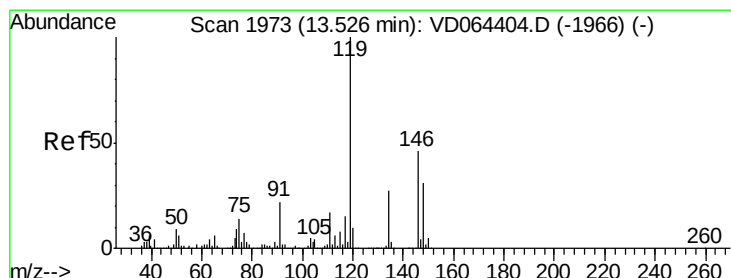
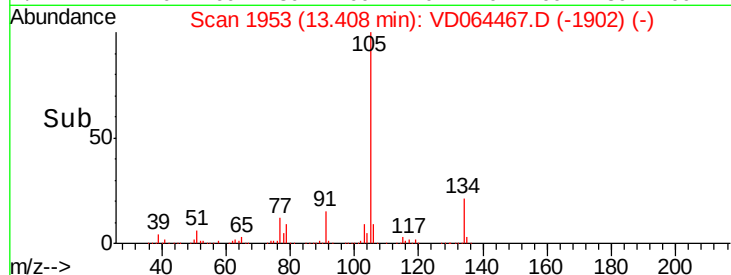
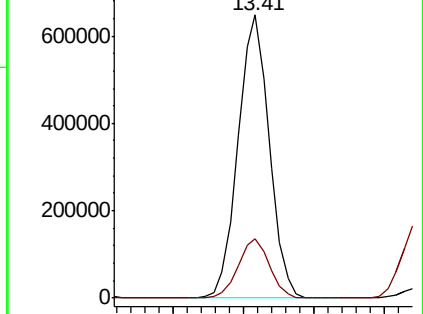
105 100

134 20.9 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: 47.439 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064467.D

Acq: 06 Dec 2019 19:17

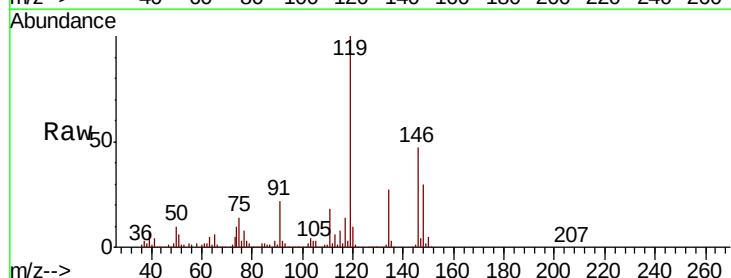
Tgt Ion:119 Resp: 959118

Ion Ratio Lower Upper

119 100

134 27.3 13.5 40.4

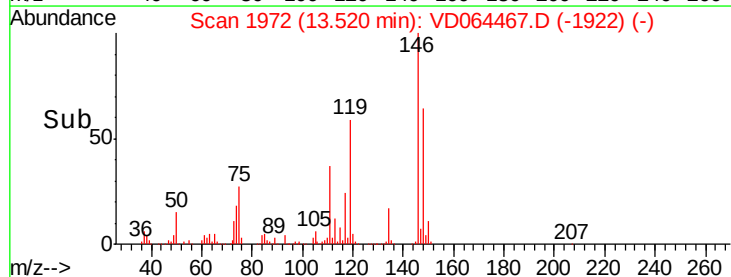
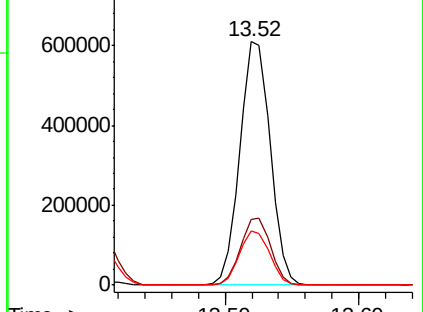
91 22.1 11.2 33.5

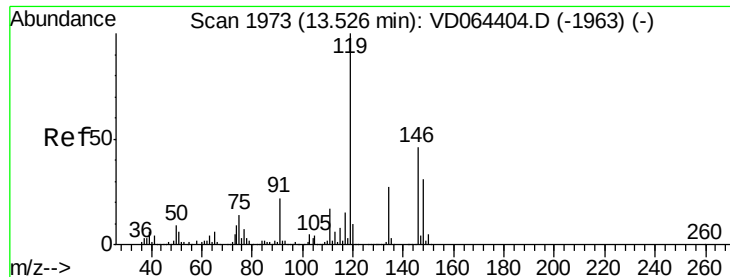


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

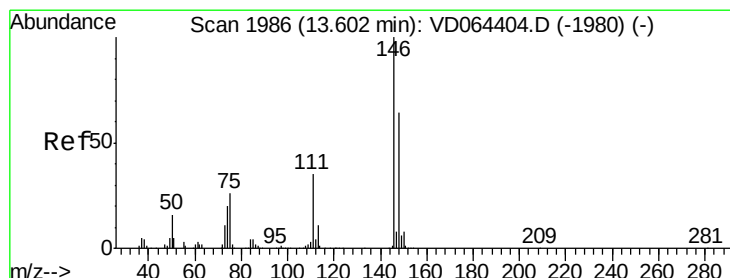
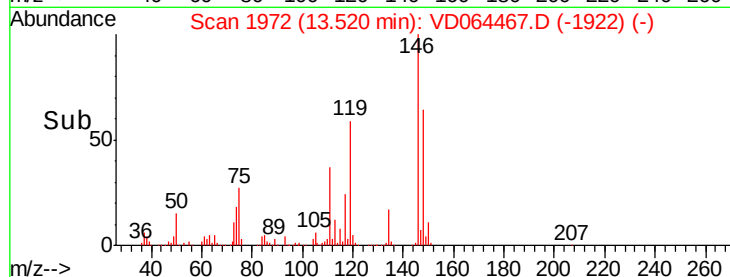
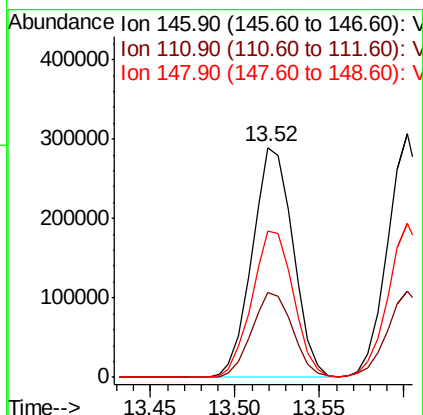
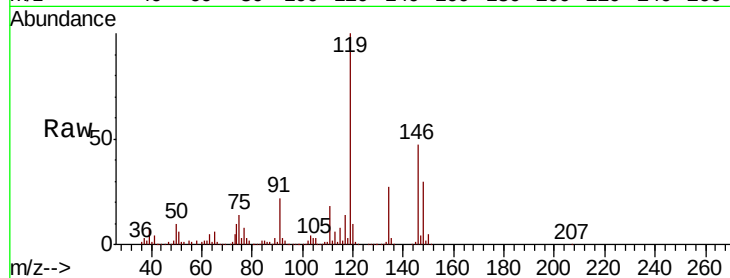




#87
 1,3-Dichlorobenzene
 Concen: 47.394 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064467.D
 Acq: 06 Dec 2019 19:17

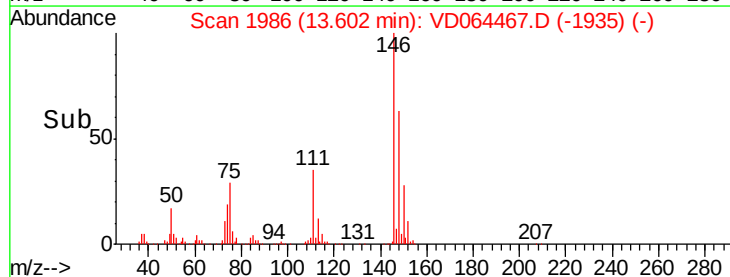
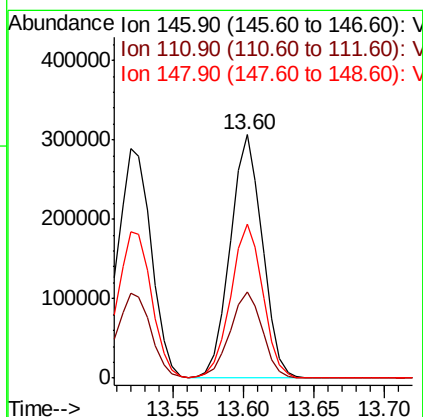
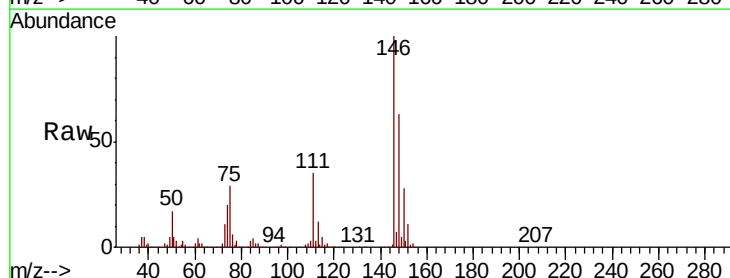
Instrument :
 MSVOA_D
 ClientSampleId :

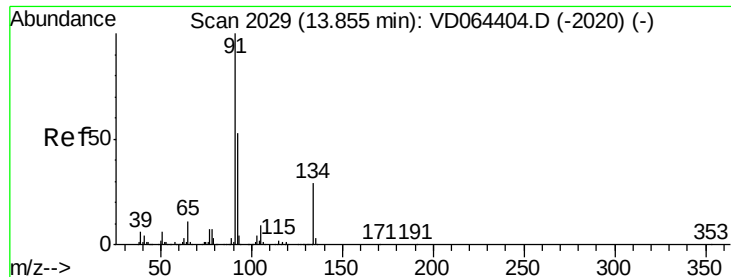
Tot Ion:146 Resp: 487867
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.8 56.4
 148 64.6 32.6 97.8



#88
 1,4-Dichlorobenzene
 Concen: 47.735 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064467.D
 Acq: 06 Dec 2019 19:17

Tgt Ion:146 Resp: 485127
 Ion Ratio Lower Upper
 146 100
 111 36.0 18.2 54.6
 148 63.1 31.8 95.4

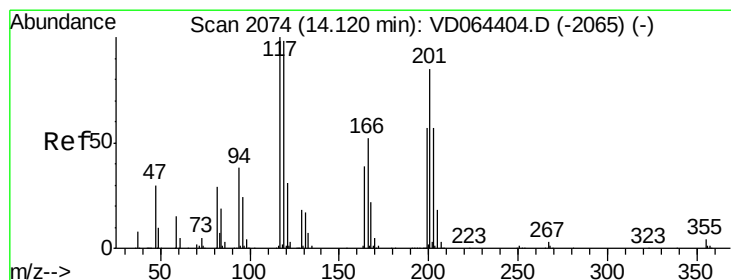
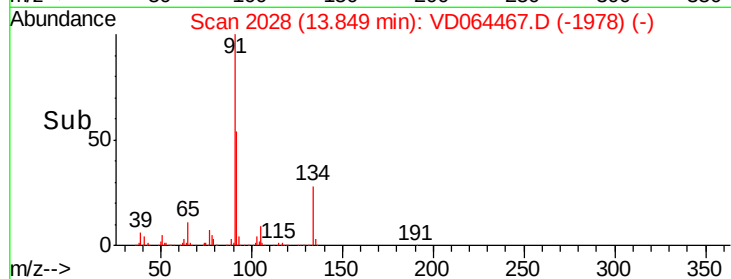
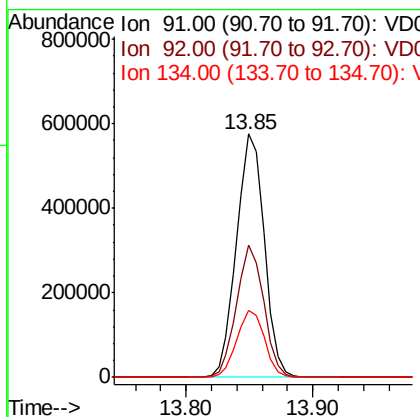
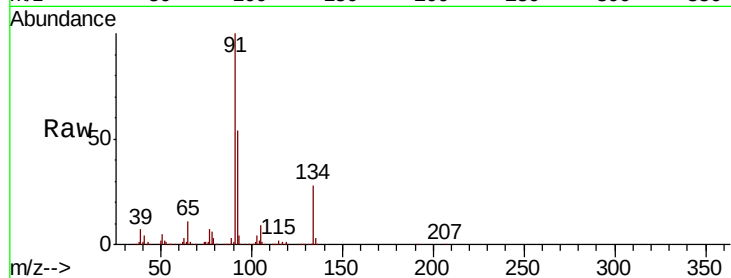




#89
n-Butylbenzene
Concen: 47.551 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064467.D
Acq: 06 Dec 2019 19:17

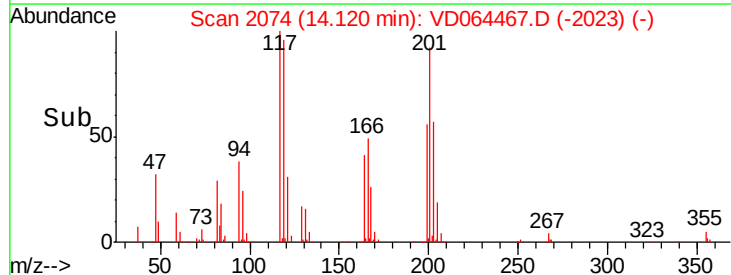
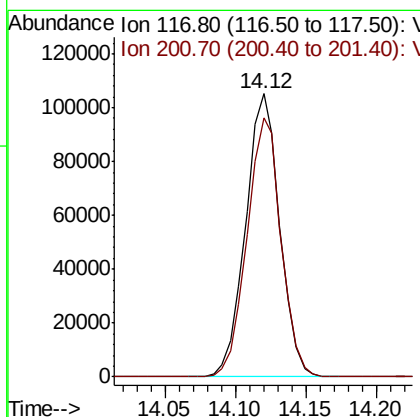
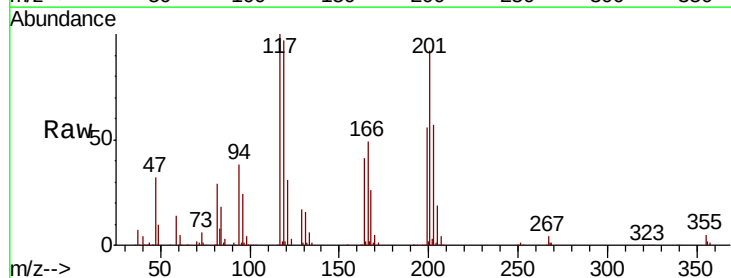
Instrument :
MSVOA_D
ClientSampleId :

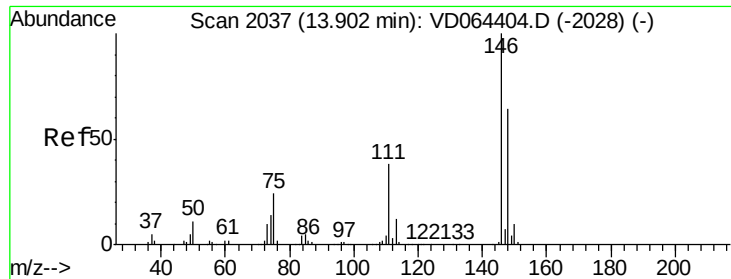
Tot Ion: 91 Resp: 873040
Ion Ratio Lower Upper
91 100
92 53.0 26.5 79.4
134 27.6 13.9 41.7



#90
Hexachloroethane
Concen: 47.033 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD064467.D
Acq: 06 Dec 2019 19:17

Tgt Ion: 117 Resp: 177854
Ion Ratio Lower Upper
117 100
201 91.4 44.3 132.8

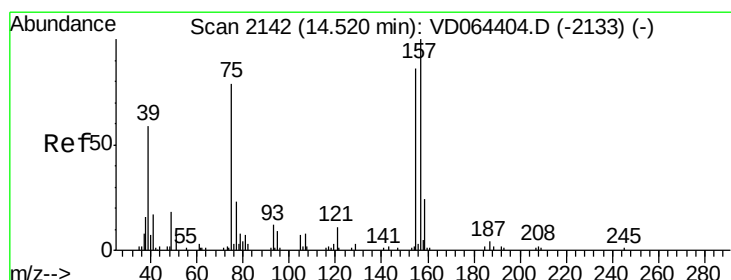
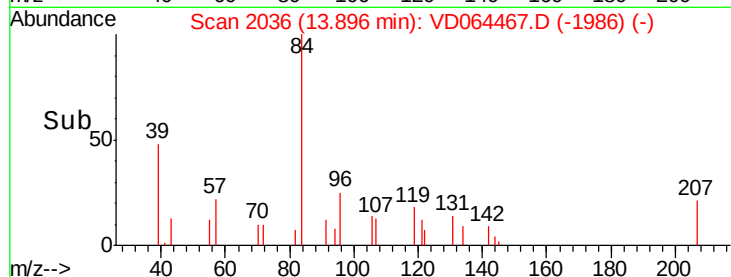
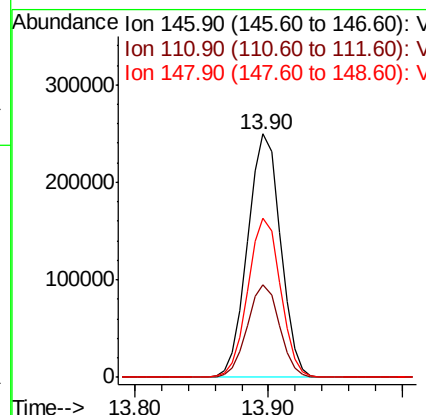
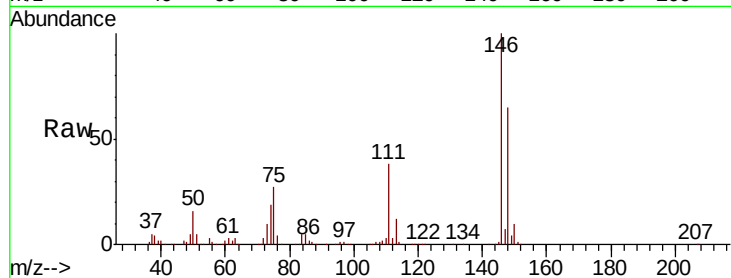




#91
 1,2-Dichlorobenzene
 Concen: 48.218 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064467.D
 Acq: 06 Dec 2019 19:17

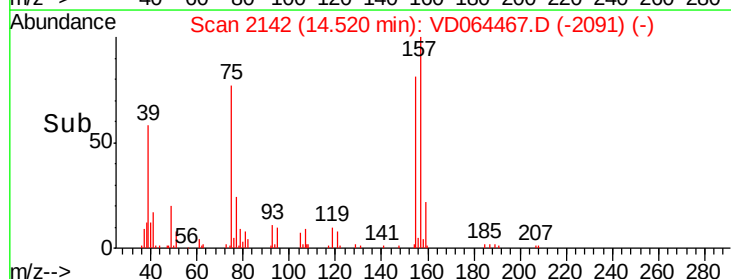
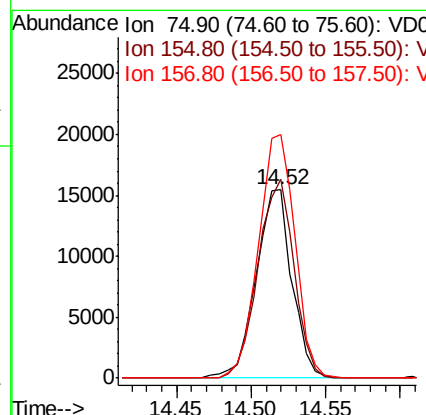
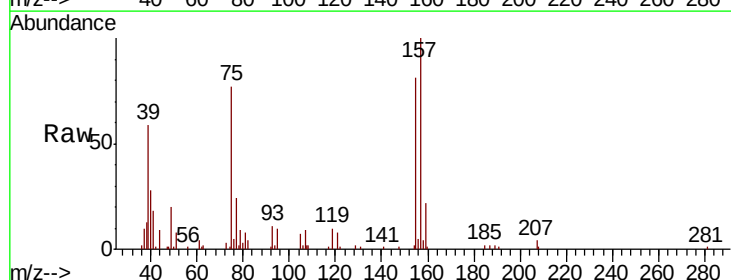
Instrument :
 MSVOA_D
 ClientSampleId :

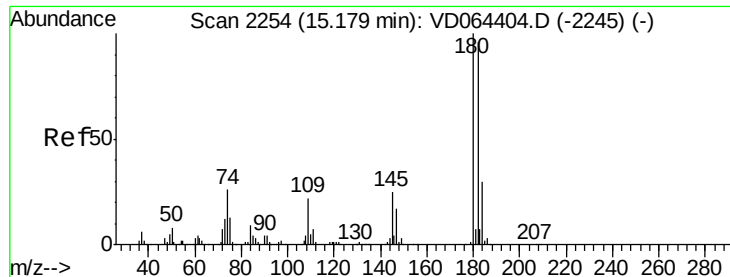
Tot Ion:146 Resp: 424188
 Ion Ratio Lower Upper
 146 100
 111 37.3 19.1 57.3
 148 64.5 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.936 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064467.D
 Acq: 06 Dec 2019 19:17

Tgt Ion: 75 Resp: 25617
 Ion Ratio Lower Upper
 75 100
 155 105.5 51.9 155.7
 157 131.5 63.2 189.8

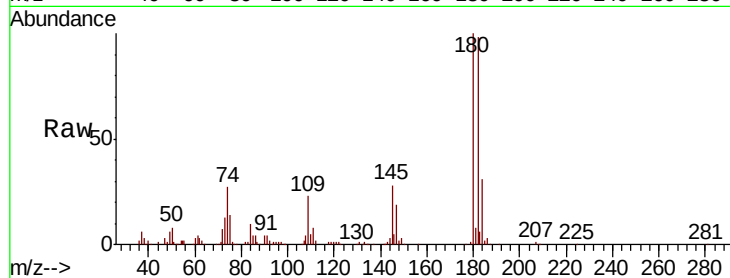




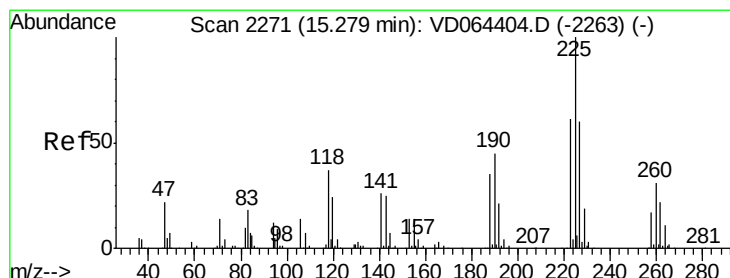
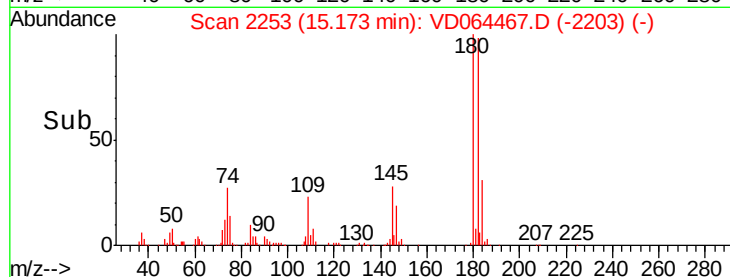
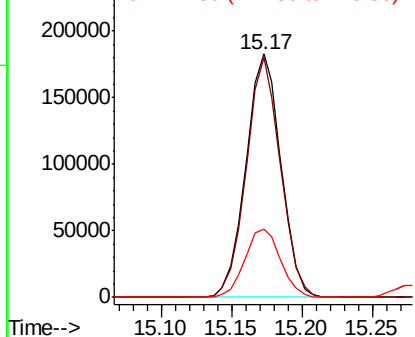
#93
 1,2,4-Trichlorobenzene
 Concen: 47.130 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064467.D
 Acq: 06 Dec 2019 19:17

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.4	142.3
145	28.6	14.0	41.9

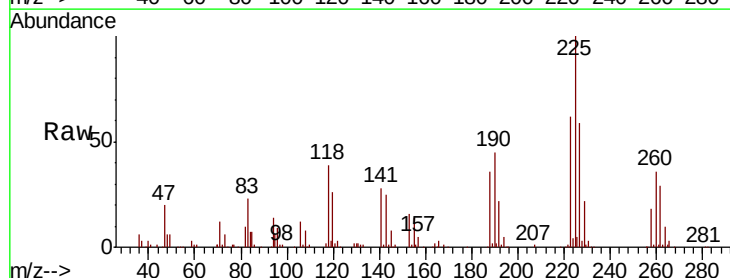


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

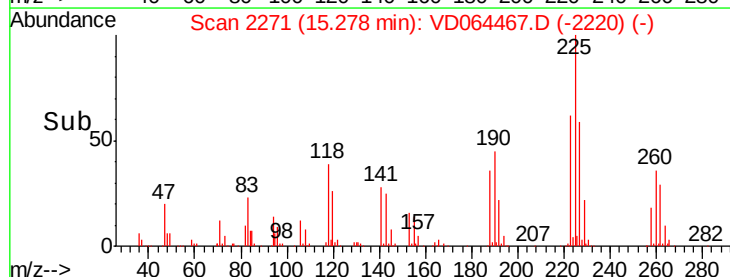
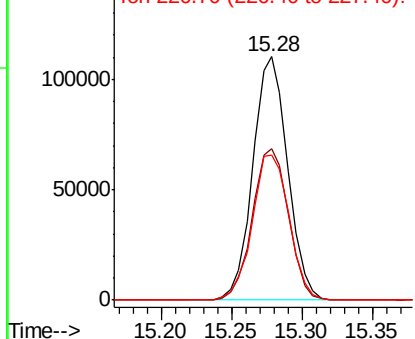


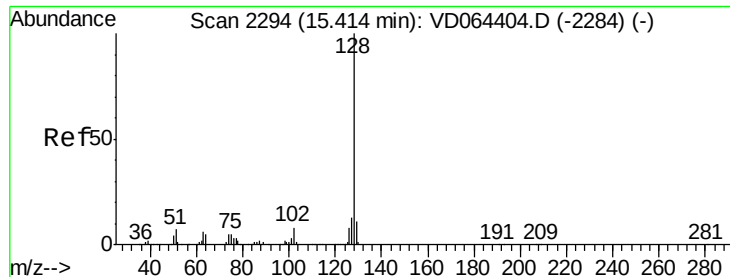
#94
 Hexachlorobutadiene
 Concen: 45.871 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD064467.D
 Acq: 06 Dec 2019 19:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.1	93.3
227	63.4	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: 46.382 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD064467.D

Acq: 06 Dec 2019 19:17

Instrument :

MSVOA_D

ClientSampleId :

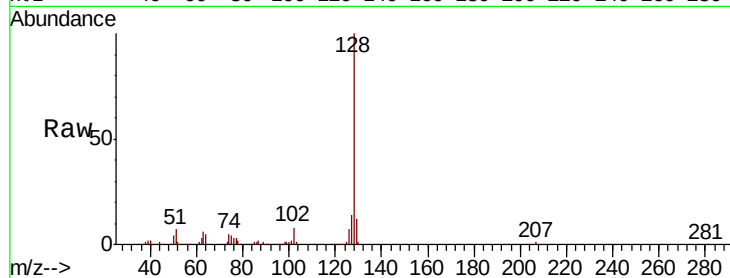
Tot Ion:128 Resp: 521509

Ion Ratio Lower Upper

128 100

127 13.6 10.5 15.7

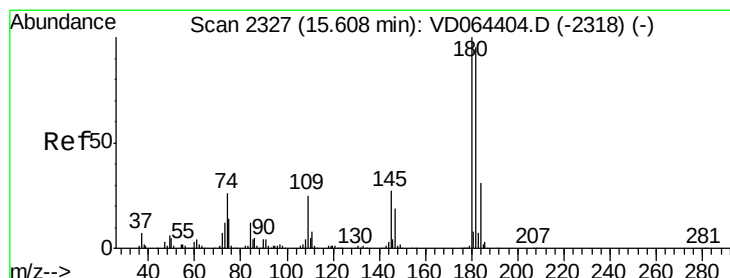
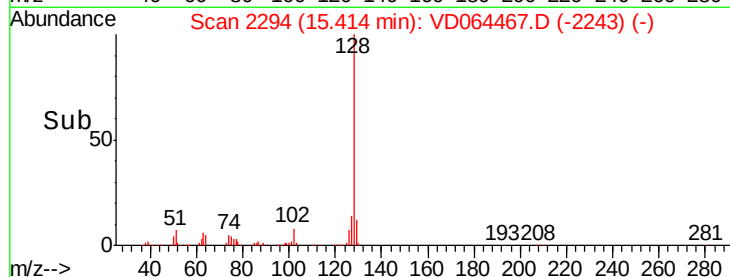
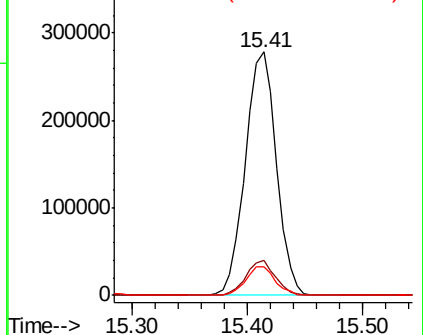
129 11.1 8.8 13.2



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: 48.184 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VD064467.D

Acq: 06 Dec 2019 19:17

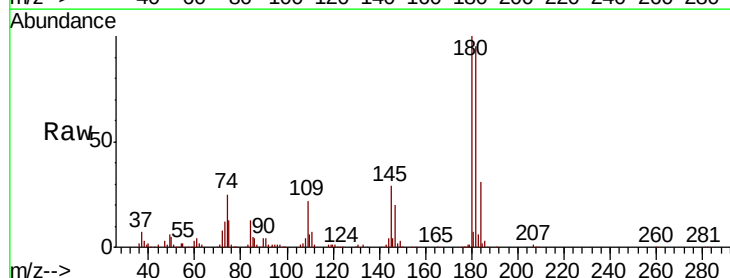
Tgt Ion:180 Resp: 277108

Ion Ratio Lower Upper

180 100

182 94.5 47.6 142.9

145 29.5 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

