

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122419\
 Data File : VD064584.D
 Acq On : 24 Dec 2019 11:46
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 24 12:10:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 12:06:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	426185	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	622428	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	543002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	272142	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	191867	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
35) Dibromofluoromethane	7.92	113	198444	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
50) Toluene-d8	10.34	98	754406	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
62) 4-Bromofluorobenzene	12.64	95	241506	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	167777	44.092	ug/l	100
3) Chloromethane	2.21	50	231272	47.541	ug/l	100
4) Vinyl Chloride	2.35	62	277622	49.410	ug/l	100
5) Bromomethane	2.77	94	197281	47.396	ug/l	100
6) Chloroethane	2.92	64	194161	51.272	ug/l	100
7) Trichlorofluoromethane	3.27	101	477815	50.845	ug/l	100
8) Diethyl Ether	3.71	74	94507	48.818	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.08	101	200115	49.777	ug/l	100
10) Methyl Iodide	4.29	142	235104	55.707	ug/l	100
11) Tert butyl alcohol	5.25	59	58459	241.238	ug/l	100
12) 1,1-Dichloroethene	4.06	96	189536	49.387	ug/l	100
13) Acrolein	3.93	56	78192	234.109	ug/l	100
14) Allyl chloride	4.71	41	296204	49.561	ug/l	100
15) Acrylonitrile	5.43	53	202888	240.317	ug/l	100
16) Acetone	4.17	43	195905	253.863	ug/l	100
17) Carbon Disulfide	4.40	76	604896	49.876	ug/l	100
18) Methyl Acetate	4.73	43	105493	46.717	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	431518	49.309	ug/l	100
20) Methylene Chloride	4.96	84	204711	45.842	ug/l	100
21) trans-1,2-Dichloroethene	5.47	96	213074	49.208	ug/l	100
22) Diisopropyl ether	6.37	45	598239	50.567	ug/l	100
23) Vinyl Acetate	6.31	43	1766195	254.335	ug/l	100
24) 1,1-Dichloroethane	6.27	63	354828	50.008	ug/l	100
25) 2-Butanone	7.22	43	268650	245.728	ug/l	100
26) 2,2-Dichloropropane	7.21	77	326922	52.329	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	234660	49.677	ug/l	100
28) Bromochloromethane	7.55	49	148427	59.517	ug/l	100
29) Tetrahydrofuran	7.57	42	167536	240.179	ug/l	100
30) Chloroform	7.71	83	369040	50.154	ug/l	100
31) Cyclohexane	7.98	56	336698	48.125	ug/l	100
32) 1,1,1-Trichloroethane	7.91	97	346737	50.640	ug/l	100
36) 1,1-Dichloropropene	8.11	75	300931	50.748	ug/l	100
37) Ethyl Acetate	7.30	43	123311	49.541	ug/l	100
38) Carbon Tetrachloride	8.10	117	326476	52.251	ug/l	100

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 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 12:06:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	372283	50.932	ug/l	100
40) Benzene	8.36	78	820055	50.214	ug/l	100
41) Methacrylonitrile	7.54	41	75415	53.557	ug/l	100
42) 1,2-Dichloroethane	8.43	62	238161	49.960	ug/l	100
43) Isopropyl Acetate	8.46	43	241962	49.595	ug/l	100
44) Trichloroethene	9.11	130	240718	48.928	ug/l	100
45) 1,2-Dichloropropane	9.39	63	197055	50.596	ug/l	100
46) Dibromomethane	9.48	93	111953	50.758	ug/l	100
47) Bromodichloromethane	9.67	83	294136	51.817	ug/l	100
48) Methyl methacrylate	9.46	41	119225	52.666	ug/l	100
49) 1,4-Dioxane	9.46	88	25111	927.598	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	594837	246.207	ug/l	100
52) Toluene	10.40	92	542875	50.761	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	278050	51.507	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	328652	51.238	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	148011	49.121	ug/l	100
56) Ethyl methacrylate	10.66	69	190641	49.825	ug/l	100
57) 1,3-Dichloropropane	10.95	76	256920	50.001	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	335232	220.910	ug/l	100
59) 2-Hexanone	10.99	43	416783	248.615	ug/l	100
60) Dibromochloromethane	11.14	129	206697	50.480	ug/l	100
61) 1,2-Dibromoethane	11.25	107	147603	49.109	ug/l	100
64) Tetrachloroethene	10.88	164	209368	50.584	ug/l	100
65) Chlorobenzene	11.67	112	580438	51.039	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	216933	51.635	ug/l	100
67) Ethyl Benzene	11.75	91	1048589	51.729	ug/l	100
68) m/p-Xylenes	11.85	106	820674	105.887	ug/l	100
69) o-Xylene	12.18	106	368439	51.728	ug/l	100
70) Styrene	12.20	104	646119	52.093	ug/l	100
71) Bromoform	12.36	173	124881	49.794	ug/l	100
73) Isopropylbenzene	12.48	105	1011215	51.516	ug/l	100
74) N-amyl acetate	12.29	43	219747	49.914	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	156732	48.859	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	208056	94.857	ug/l #	100
77) Bromobenzene	12.76	156	244999	50.770	ug/l	100
78) n-propylbenzene	12.83	91	1170274	51.635	ug/l	100
79) 2-Chlorotoluene	12.91	91	636744	51.155	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	832645	51.905	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	52598	51.266	ug/l	100
82) 4-Chlorotoluene	13.01	91	676396	51.237	ug/l	100
83) tert-Butylbenzene	13.23	119	722051	51.745	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	823830	51.085	ug/l	100
85) sec-Butylbenzene	13.41	105	986702	51.599	ug/l	100
86) p-Isopropyltoluene	13.53	119	950098	52.401	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	463400	50.485	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	459956	50.728	ug/l	100
89) n-Butylbenzene	13.85	91	852100	51.927	ug/l	100
90) Hexachloroethane	14.12	117	178908	52.703	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	398149	50.889	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	24812	45.899	ug/l	100

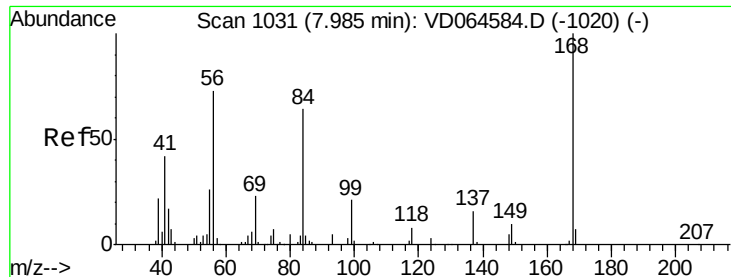
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD122419\
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Quant Title : SW846 8260
QLast Update : Tue Dec 24 12:06:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	296156	49.543	ug/l	100
94) Hexachlorobutadiene	15.28	225	183704	49.909	ug/l	100
95) Naphthalene	15.41	128	483301	48.715	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	253453	49.806	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

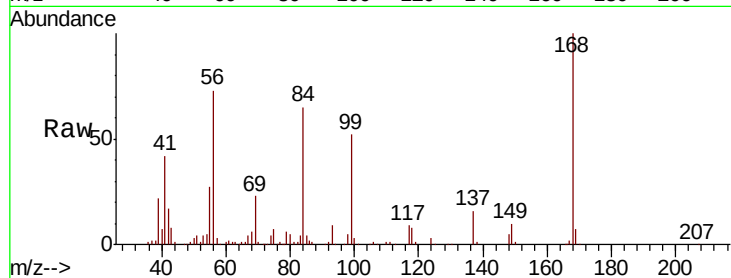
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 426185

Ion Ratio Lower Upper

168 100

99 52.2 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

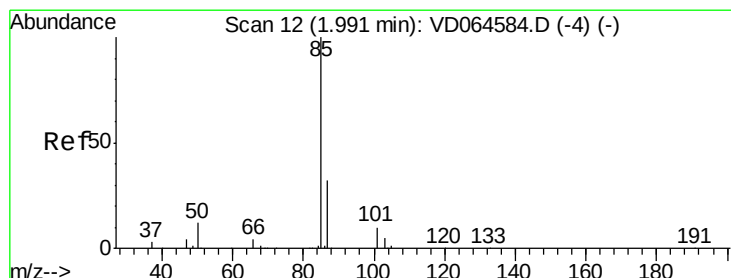
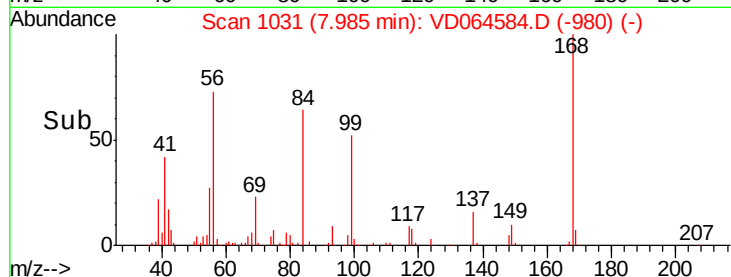
100000

50000

0

7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 44.092 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064584.D

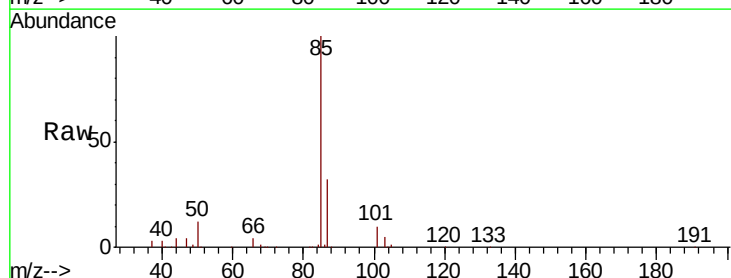
Acq: 24 Dec 2019 11:46

Tgt Ion: 85 Resp: 167777

Ion Ratio Lower Upper

85 100

87 32.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

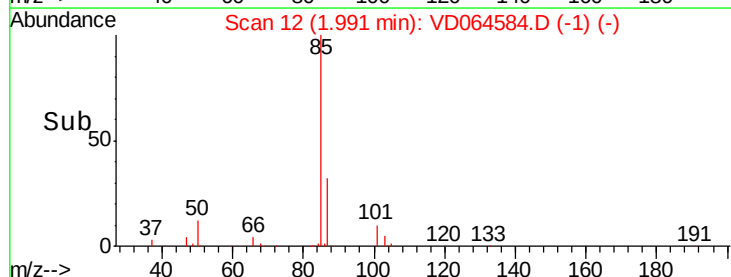
100000

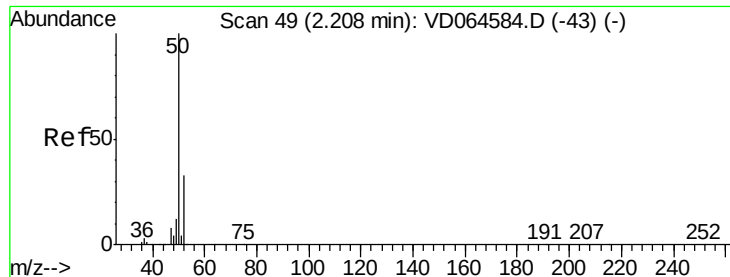
50000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 47.541 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Instrument :

MSVOA_D

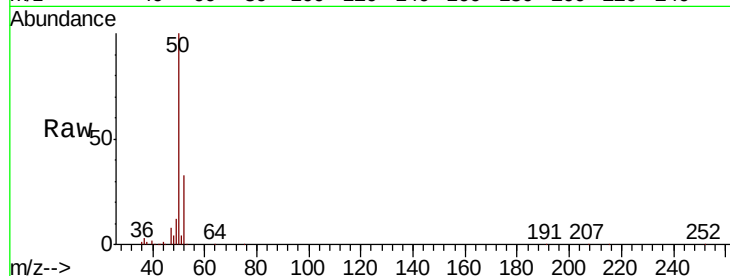
ClientSampleId :

Tot Ion: 50 Resp: 231272

Ion Ratio Lower Upper

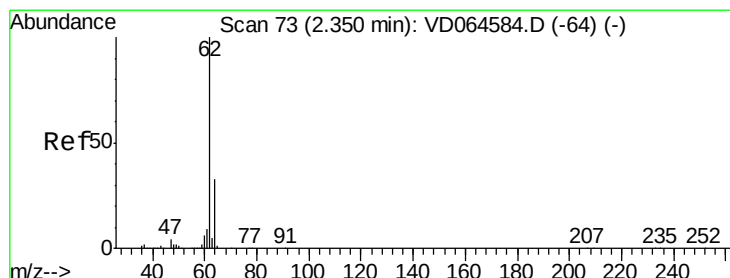
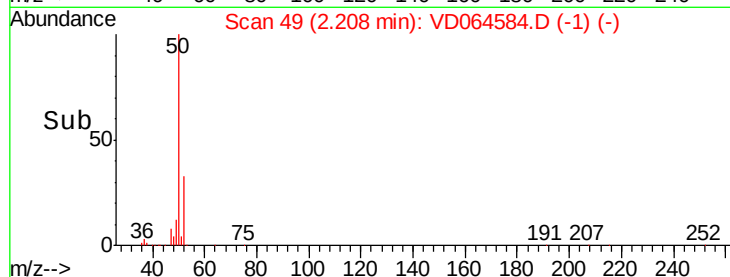
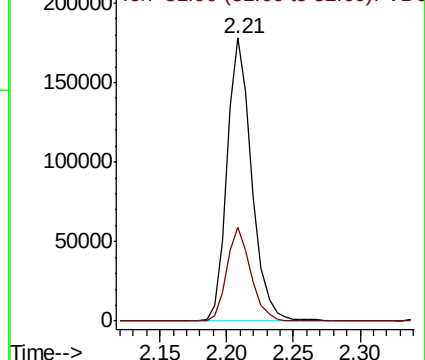
50 100

52 33.1 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 49.410 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064584.D

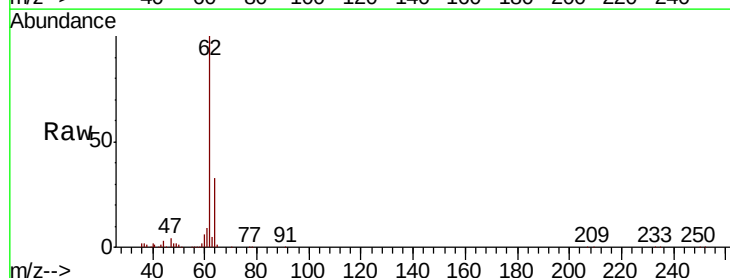
Acq: 24 Dec 2019 11:46

Tgt Ion: 62 Resp: 277622

Ion Ratio Lower Upper

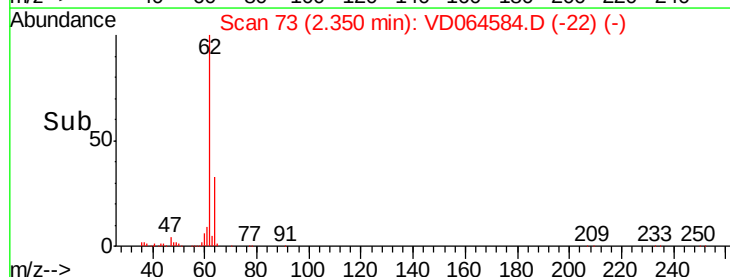
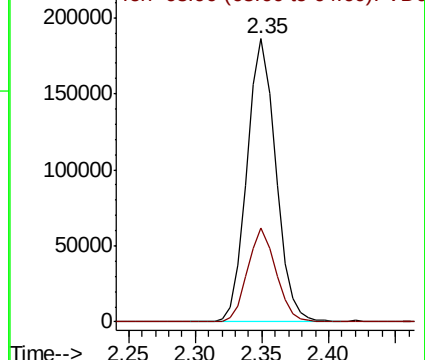
62 100

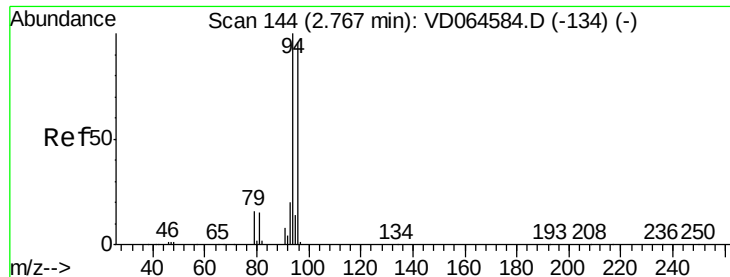
64 33.3 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 47.396 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Instrument :

MSVOA_D

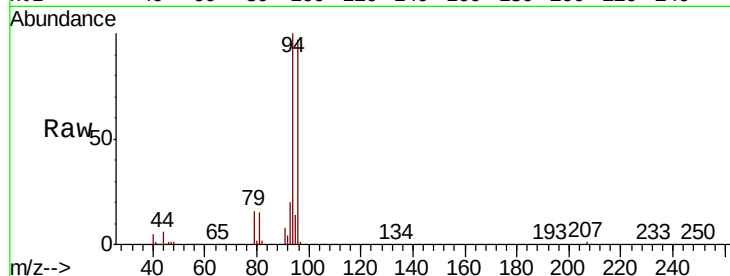
ClientSampleId :

Tot Ion: 94 Resp: 197281

Ion Ratio Lower Upper

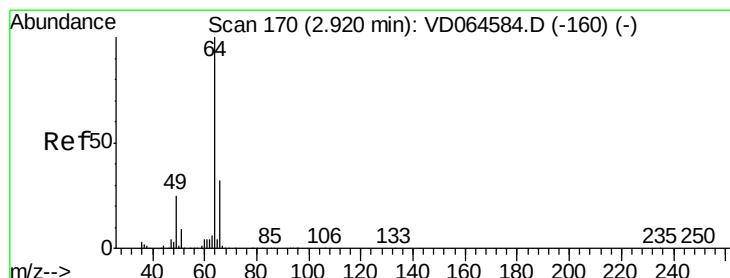
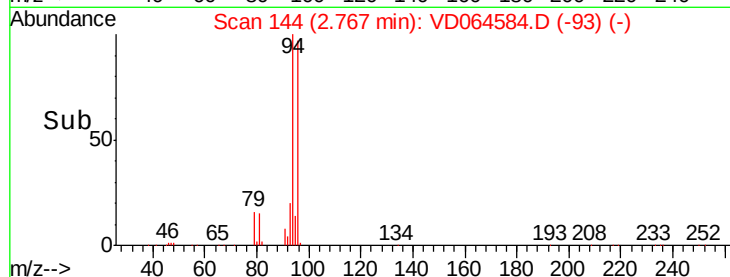
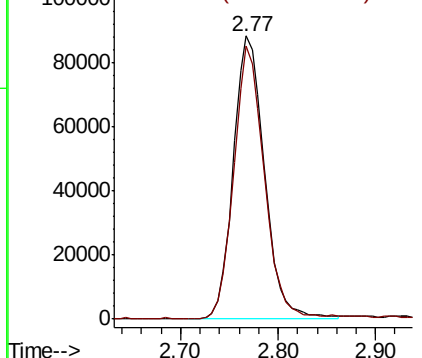
94 100

96 96.5 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 51.272 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064584.D

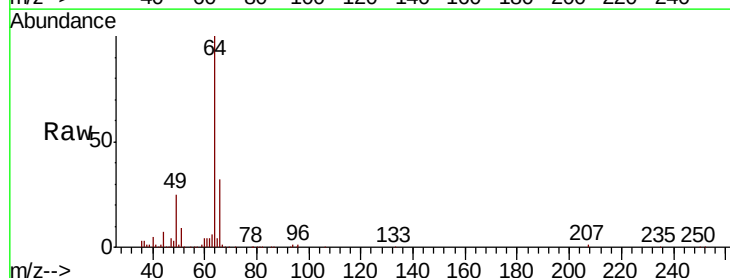
Acq: 24 Dec 2019 11:46

Tgt Ion: 64 Resp: 194161

Ion Ratio Lower Upper

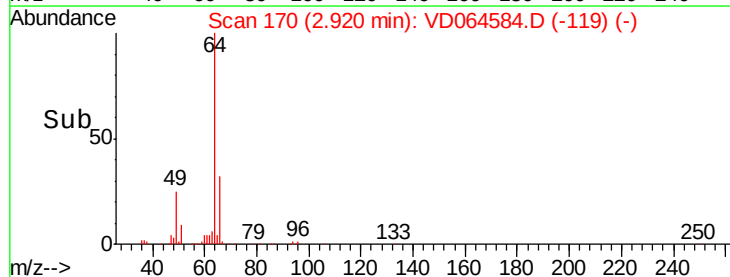
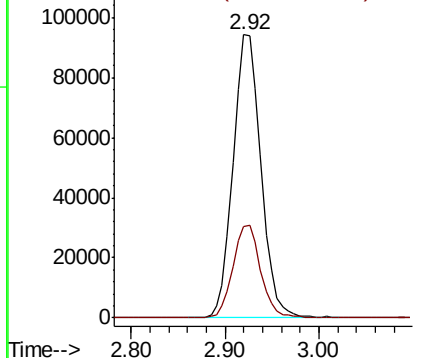
64 100

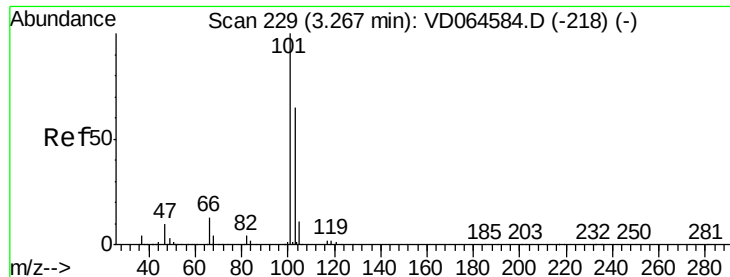
66 32.4 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



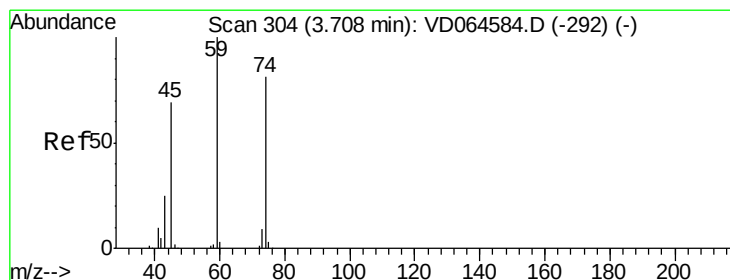
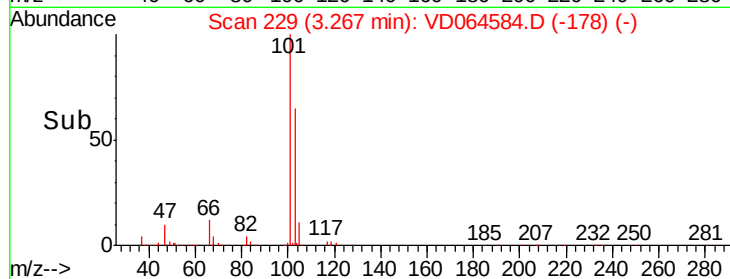
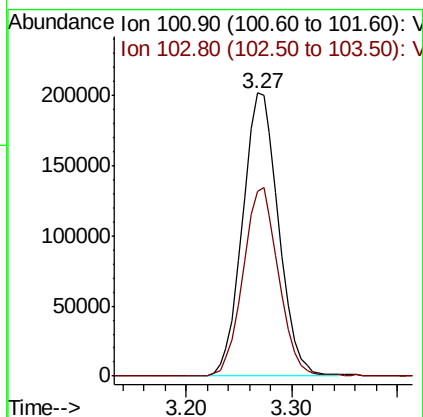
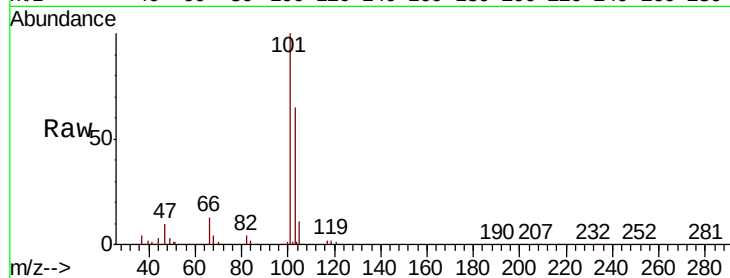


#7

Trichlorofluoromethane
 Concen: 50.845 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064584.D
 Acq: 24 Dec 2019 11:46

Instrument :
 MSVOA_D
 ClientSampleId :

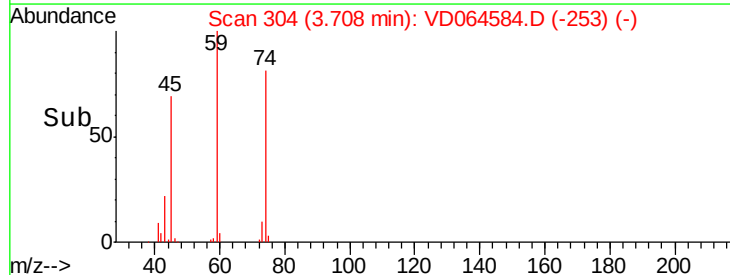
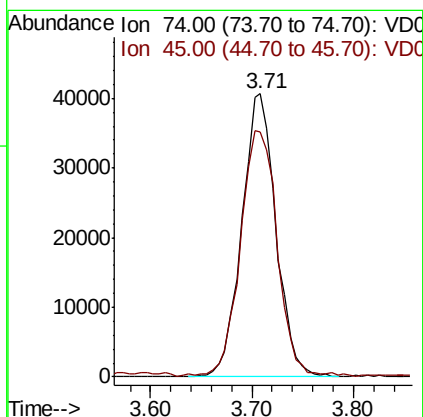
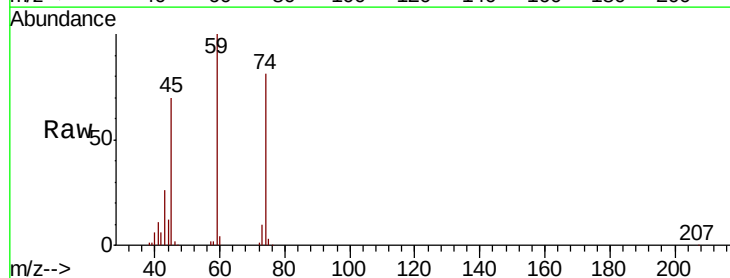
Tot Ion:101 Resp: 477815
 Ion Ratio Lower Upper
 101 100
 103 65.3 52.2 78.4

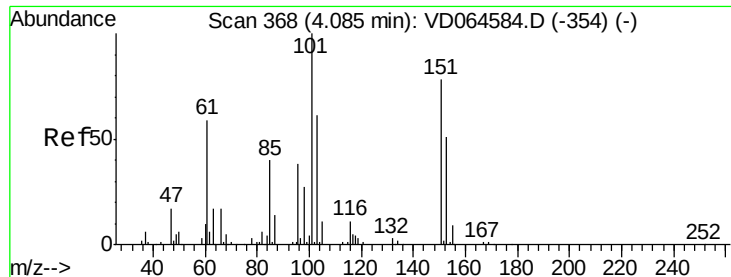


#8

Diethyl Ether
 Concen: 48.818 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064584.D
 Acq: 24 Dec 2019 11:46

Tgt Ion: 74 Resp: 94507
 Ion Ratio Lower Upper
 74 100
 45 95.0 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.777 ug/l

RT: 4.08 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

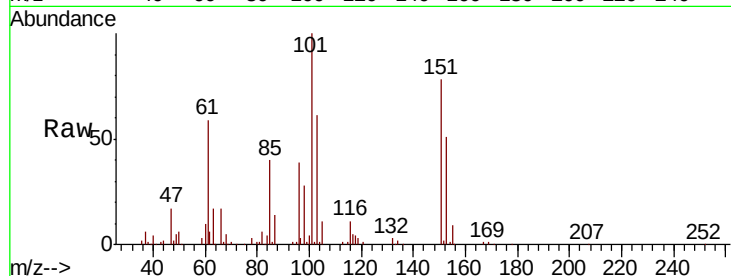
Tot Ion:101 Resp: 200115

Ion Ratio Lower Upper

101 100

85 44.0 35.2 52.8

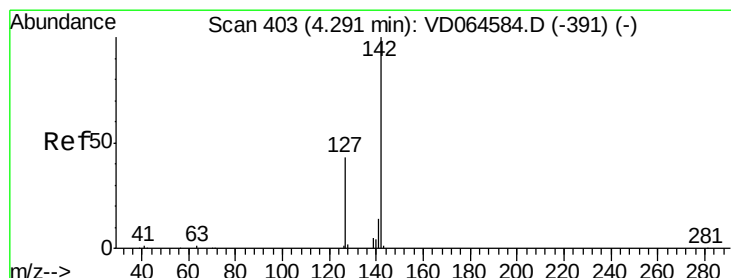
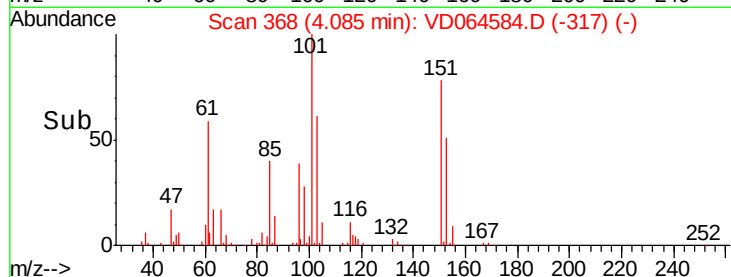
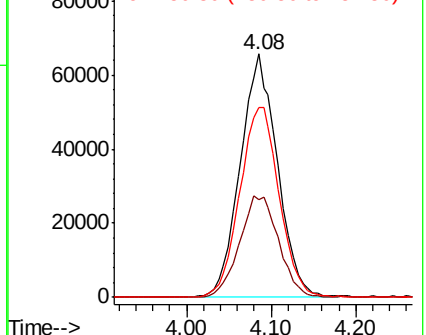
151 82.8 66.2 99.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 55.707 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

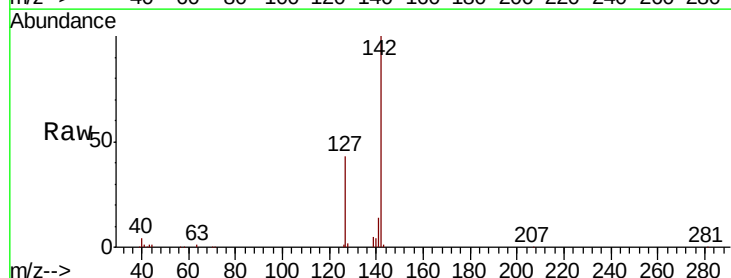
Tgt Ion:142 Resp: 235104

Ion Ratio Lower Upper

142 100

127 45.3 36.2 54.4

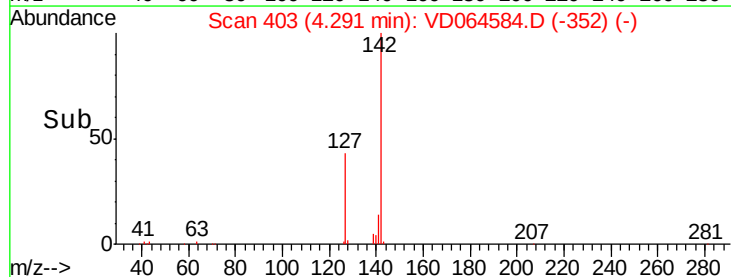
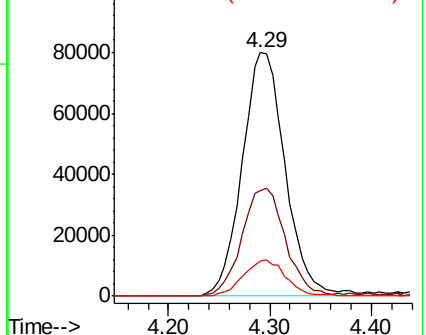
141 14.8 11.8 17.8

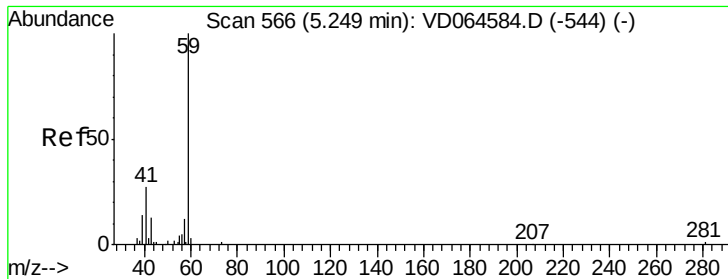


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

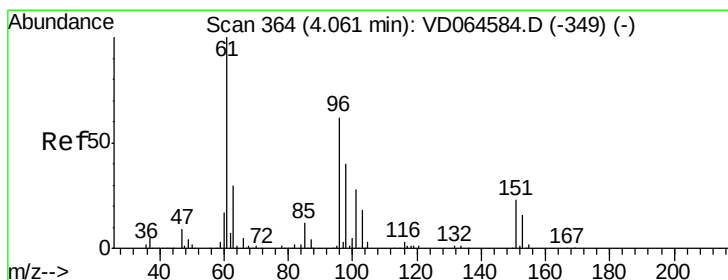
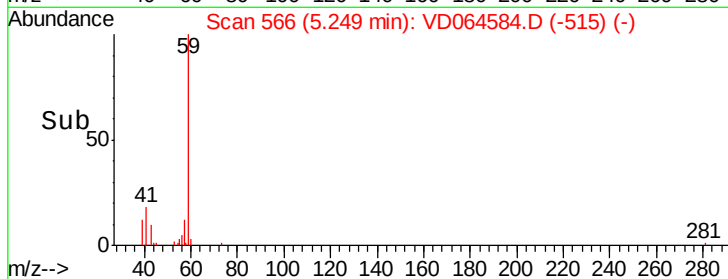
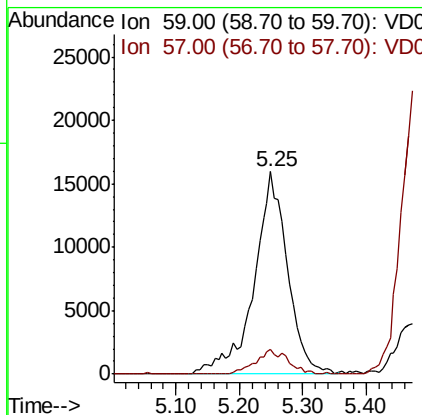
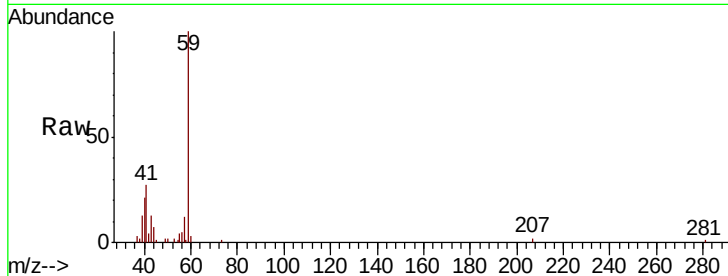




#11
Tert butyl alcohol
Concen: 241.238 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

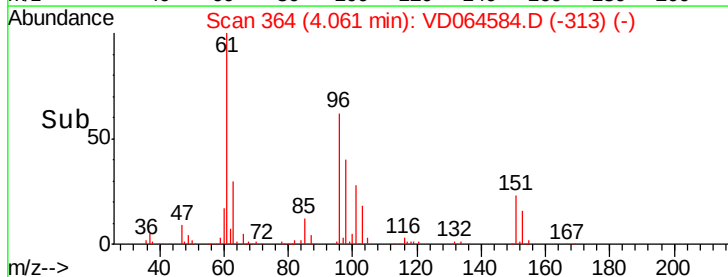
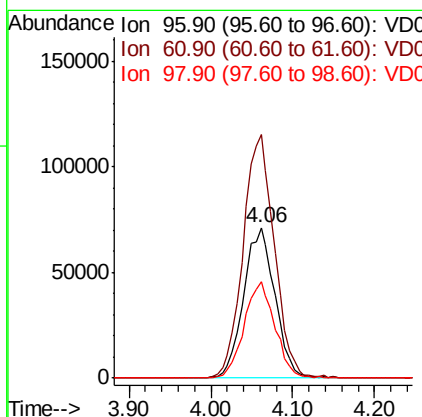
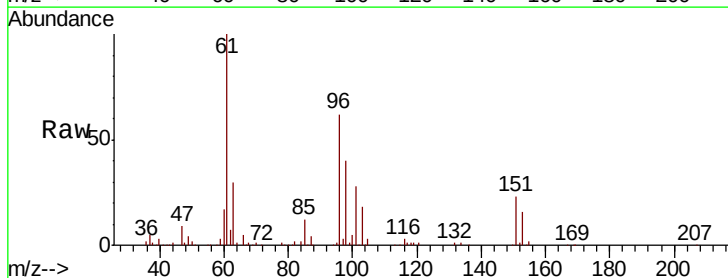
Instrument :
MSVOA_D
ClientSampled :

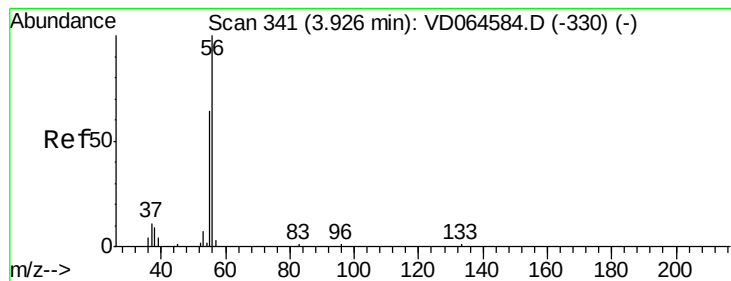
Tot Ion: 59 Resp: 58459
Ion Ratio Lower Upper
59 100
57 11.6 9.3 13.9



#12
1,1-Dichloroethene
Concen: 49.387 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Tgt Ion: 96 Resp: 189536
Ion Ratio Lower Upper
96 100
61 161.7 129.4 194.0
98 64.2 51.4 77.0





#13

Acrolein

Concen: 234.109 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Instrument :

MSVOA_D

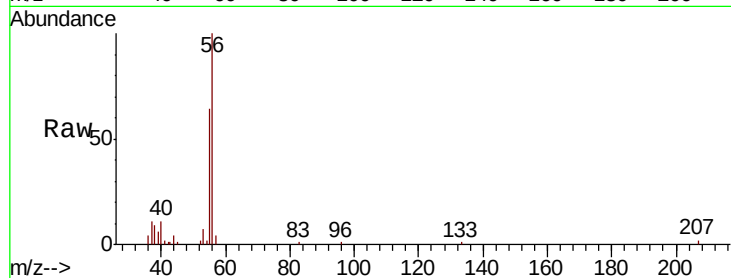
ClientSampleId :

Tot Ion: 56 Resp: 78192

Ion Ratio Lower Upper

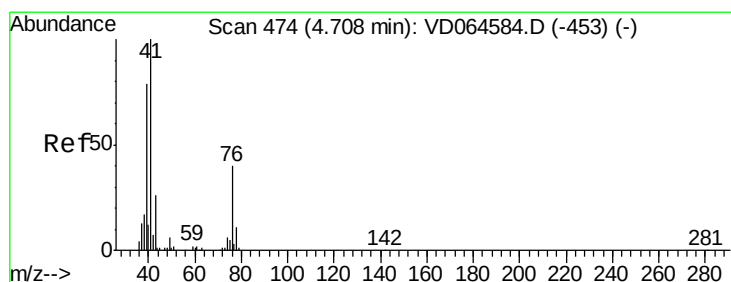
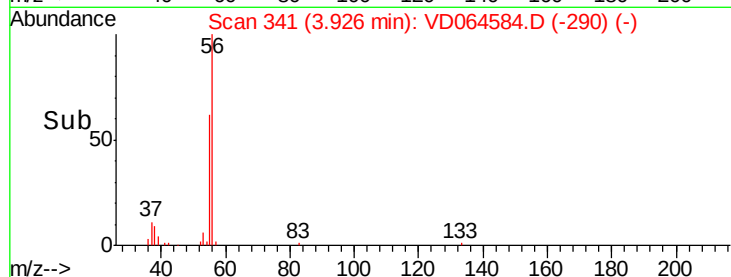
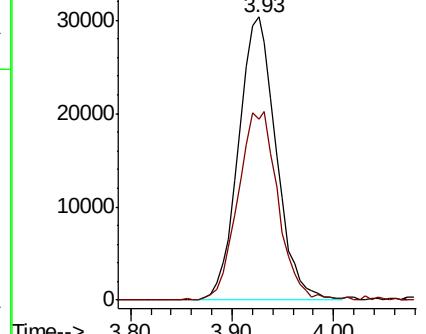
56 100

55 70.9 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 49.561 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

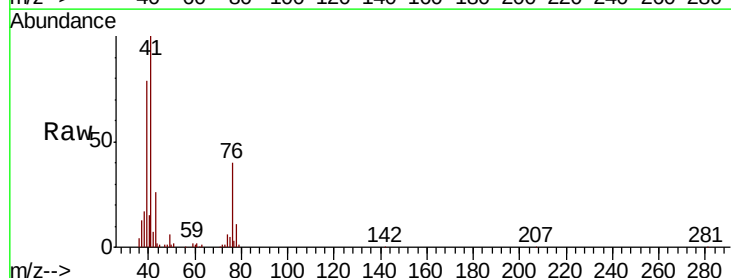
Tgt Ion: 41 Resp: 296204

Ion Ratio Lower Upper

41 100

39 77.9 62.3 93.5

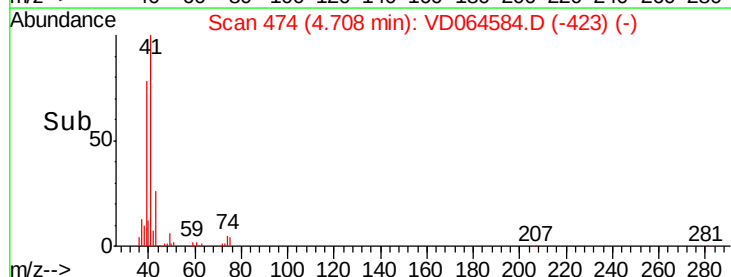
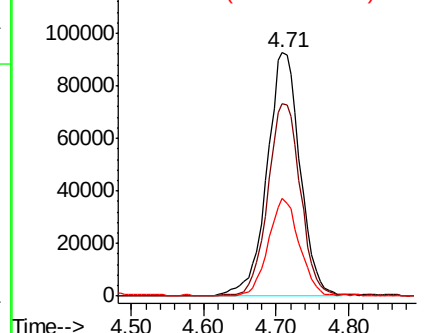
76 37.1 29.7 44.5

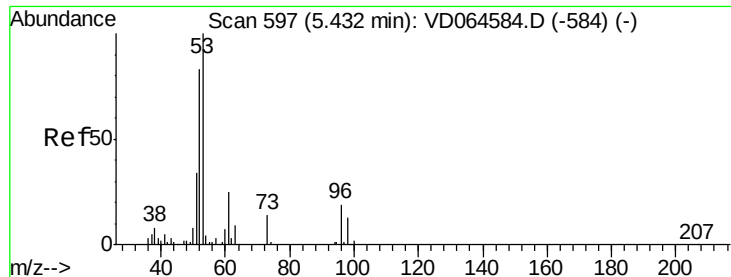


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 240.317 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

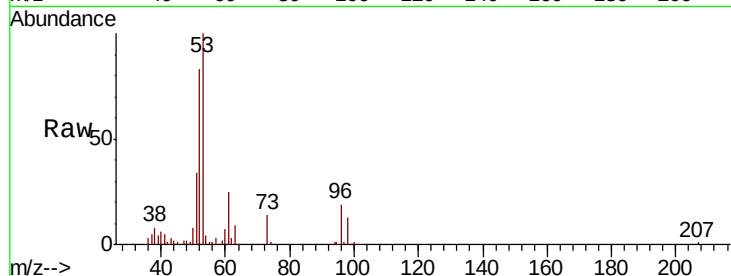
Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

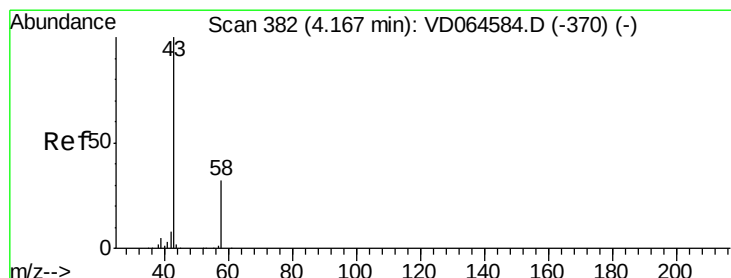
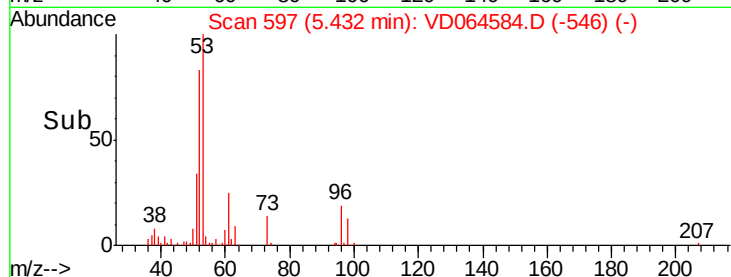
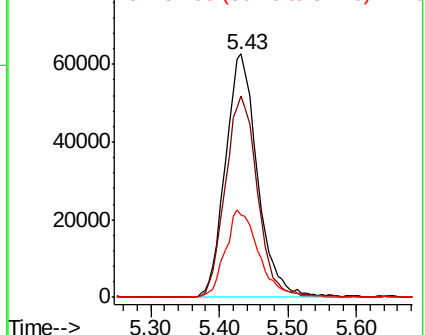
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 53 Resp: 202888

Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.2
51	37.6	30.1	45.1



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



#16

Acetone

Concen: 253.863 ug/l

RT: 4.17 min Scan# 382

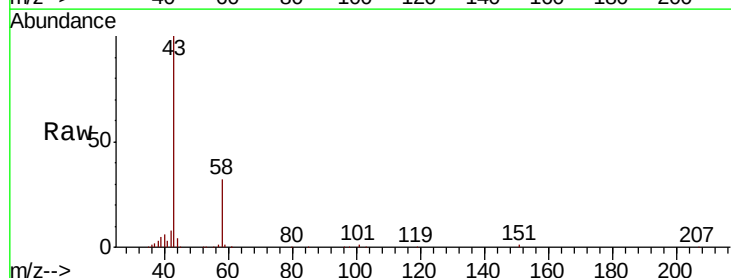
Delta R.T. 0.00 min

Lab File: VD064584.D

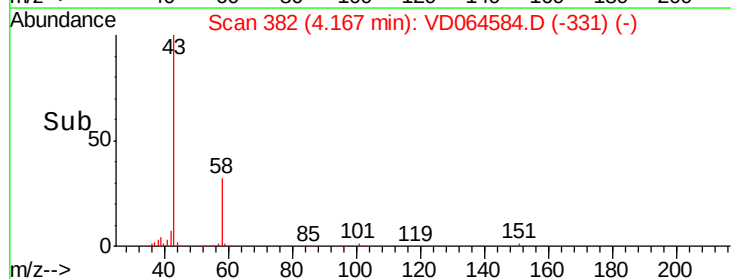
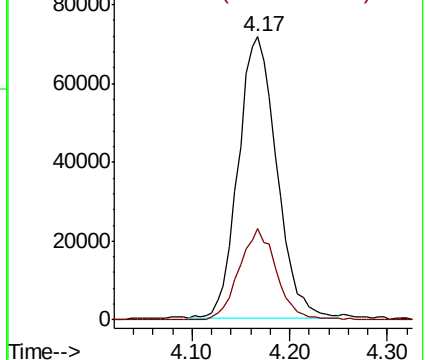
Acq: 24 Dec 2019 11:46

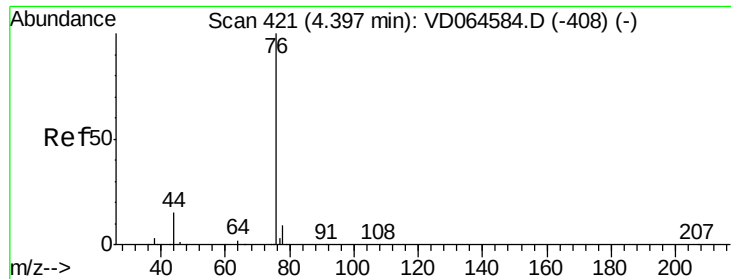
Tgt Ion: 43 Resp: 195905

Ion	Ratio	Lower	Upper
43	100		
58	32.2	25.8	38.6



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

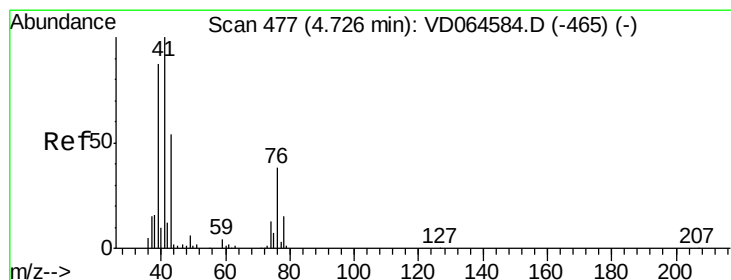
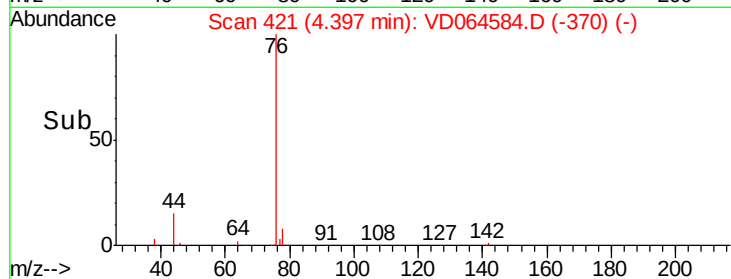
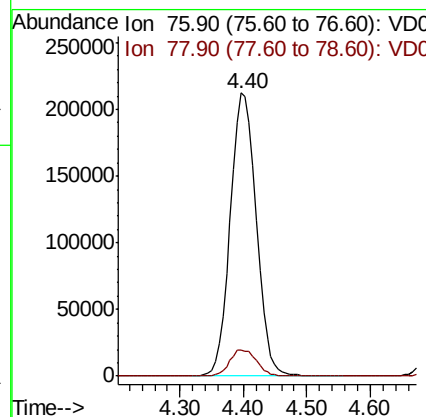
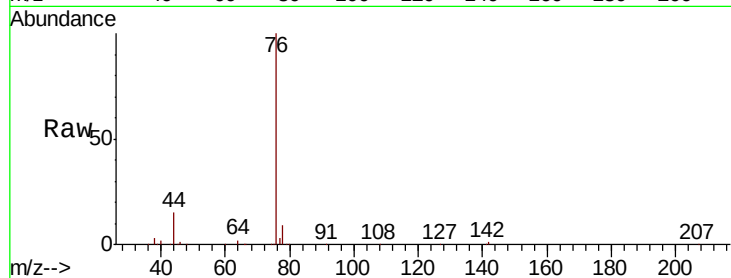




#17
Carbon Disulfide
Concen: 49.876 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

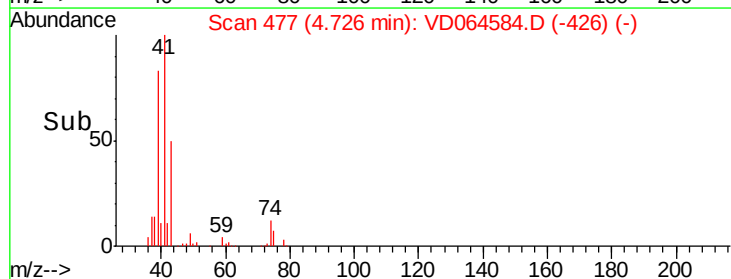
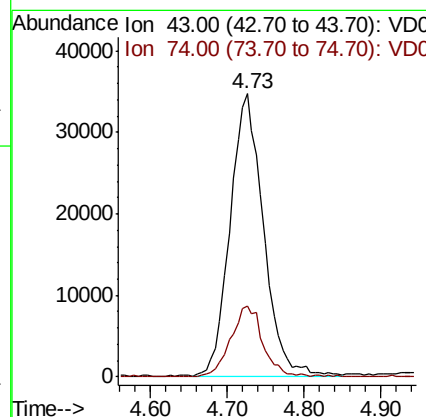
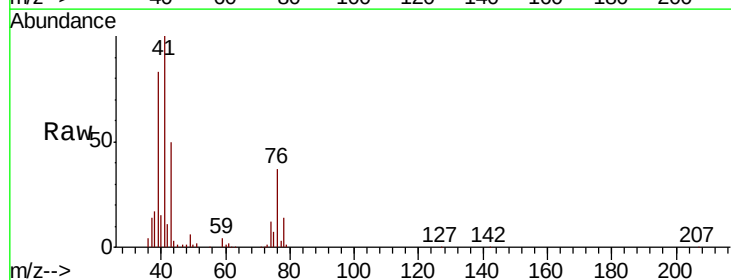
Instrument :
MSVOA_D
ClientSampled :

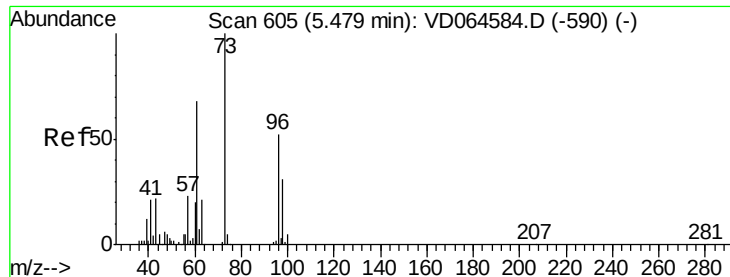
Tot Ion: 76 Resp: 604896
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9



#18
Methyl Acetate
Concen: 46.717 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Tgt Ion: 43 Resp: 105493
Ion Ratio Lower Upper
43 100
74 24.0 19.2 28.8

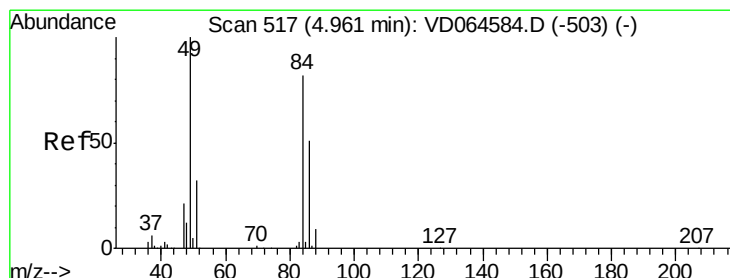
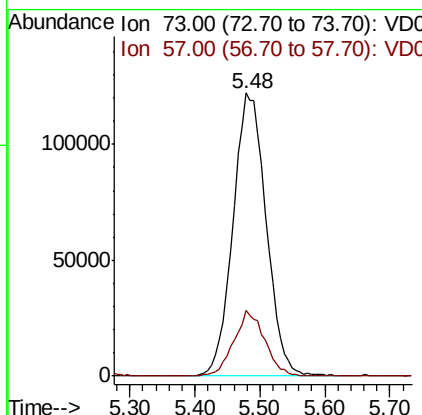
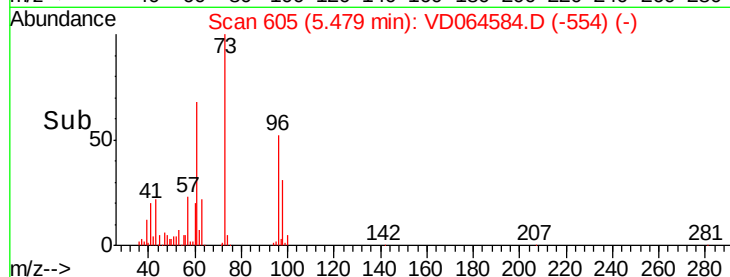
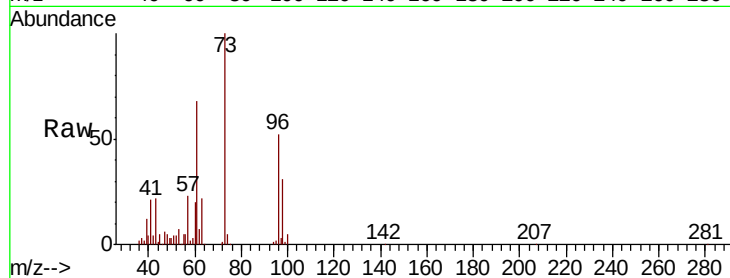




#19
Methyl tert-butyl Ether
Concen: 49.309 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

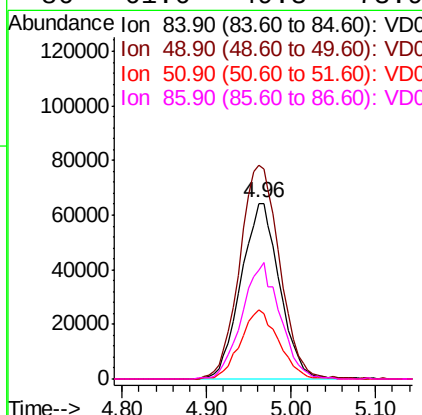
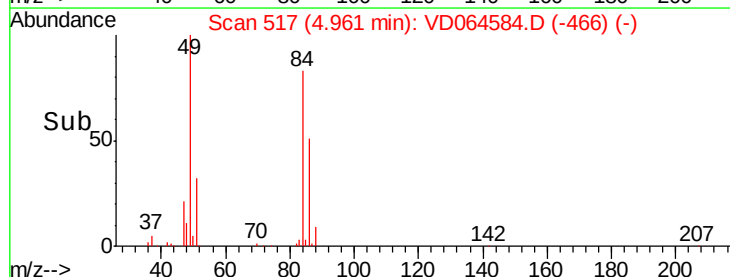
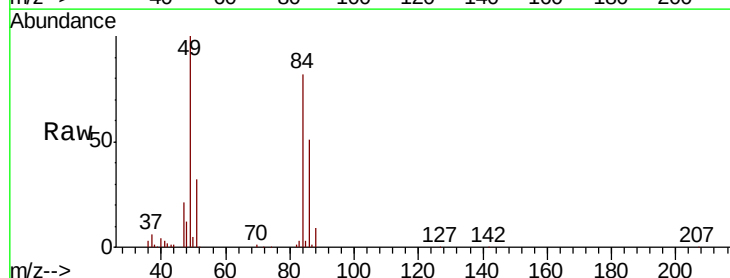
Instrument :
MSVOA_D
ClientSampled :

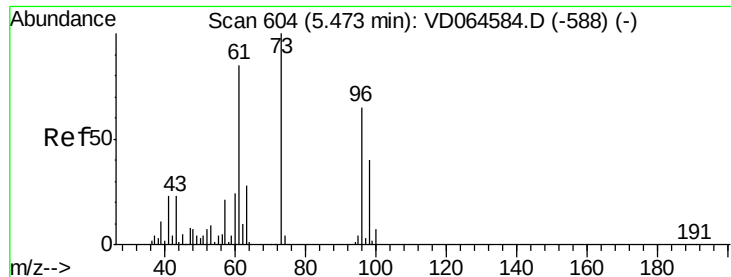
Tot Ion: 73 Resp: 431518
Ion Ratio Lower Upper
73 100
57 23.2 18.6 27.8



#20
Methylene Chloride
Concen: 45.842 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Tgt Ion: 84 Resp: 204711
Ion Ratio Lower Upper
84 100
49 121.5 97.2 145.8
51 39.2 31.4 47.0
86 61.6 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 49.208 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Instrument :
MSVOA_D
ClientSampled :

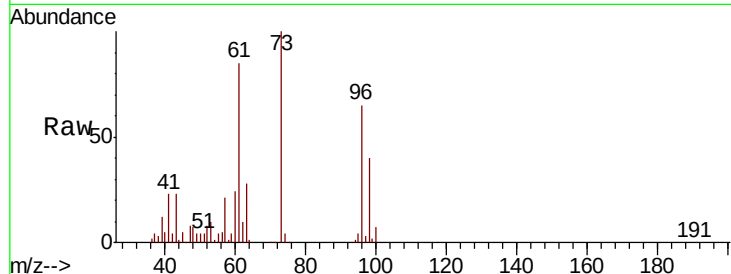
Tot Ion: 96 Resp: 213074

Ion Ratio Lower Upper

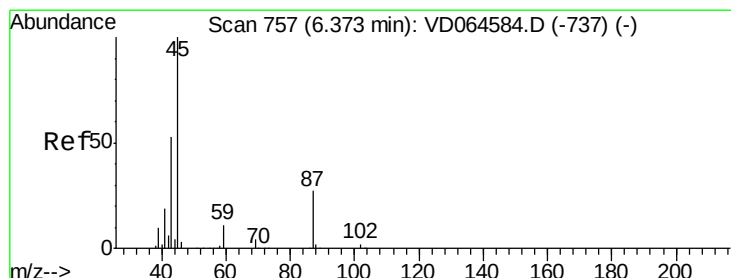
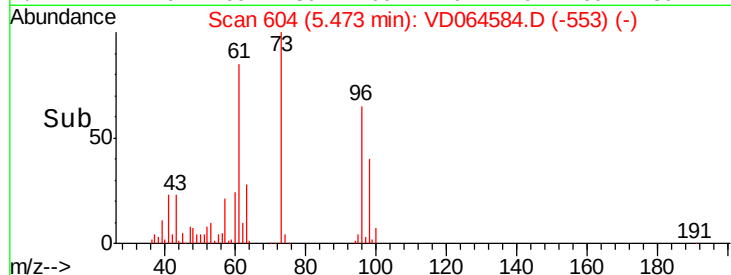
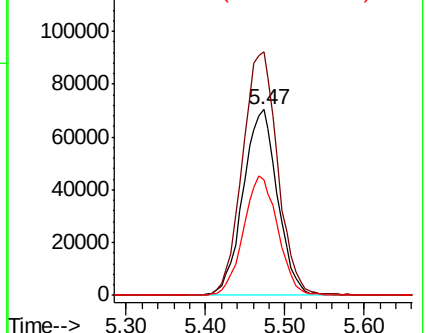
96 100

61 130.9 104.7 157.1

98 61.8 49.4 74.2



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



#22

Diisopropyl ether

Concen: 50.567 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Tgt Ion: 45 Resp: 598239

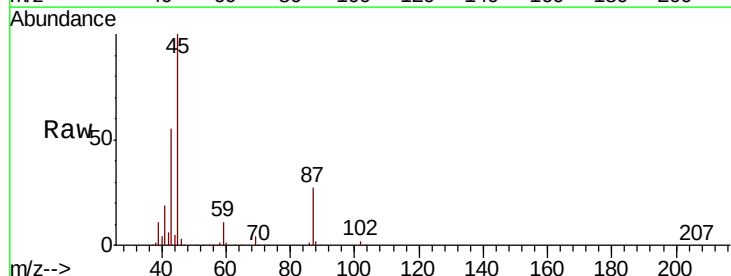
Ion Ratio Lower Upper

45 100

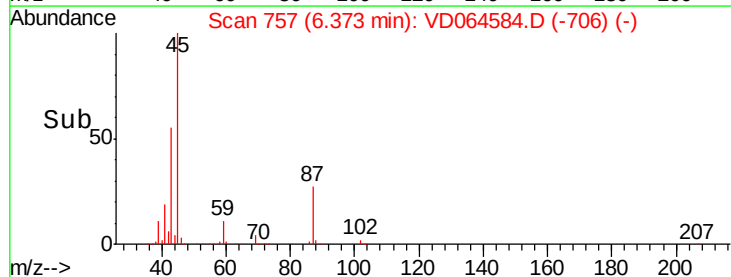
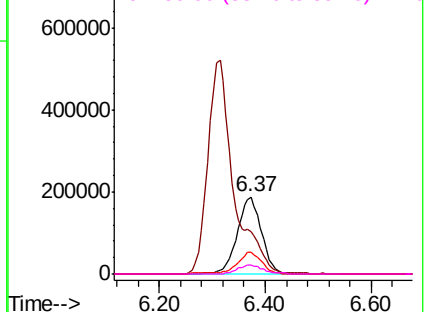
43 54.0 43.2 64.8

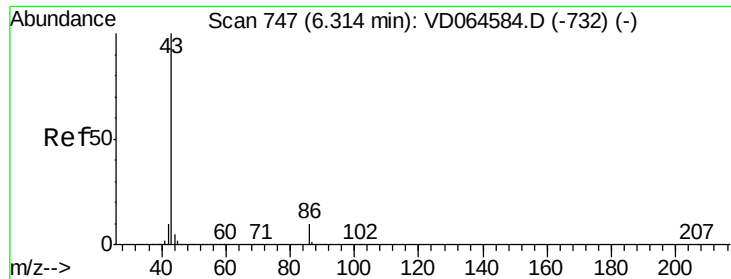
87 27.4 21.9 32.9

59 11.2 9.0 13.4



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: 254.335 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Instrument :

MSVOA_D

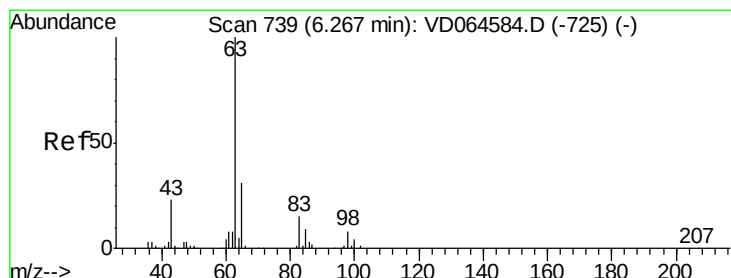
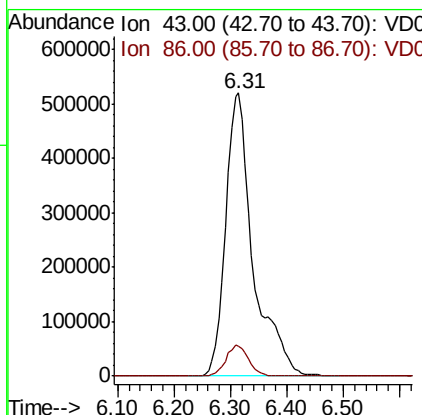
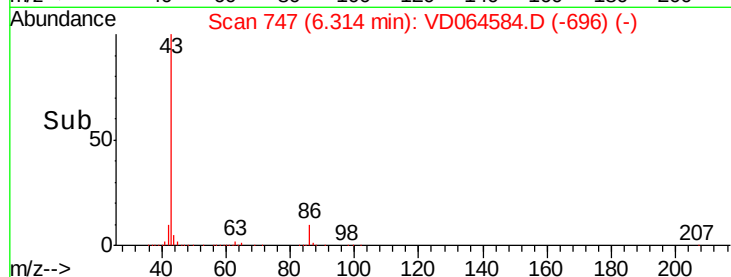
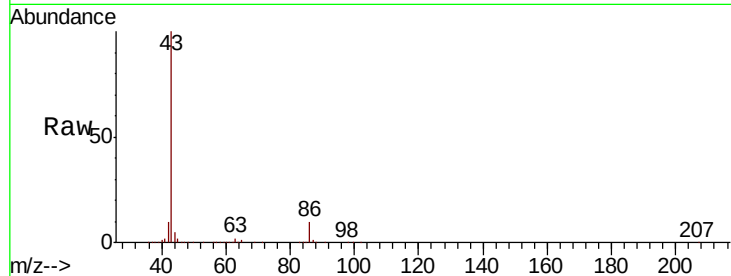
ClientSampled :

Tot Ion: 43 Resp: 1766195

Ion Ratio Lower Upper

43 100

86 10.4 8.3 12.5



#24

1,1-Dichloroethane

Concen: 50.008 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

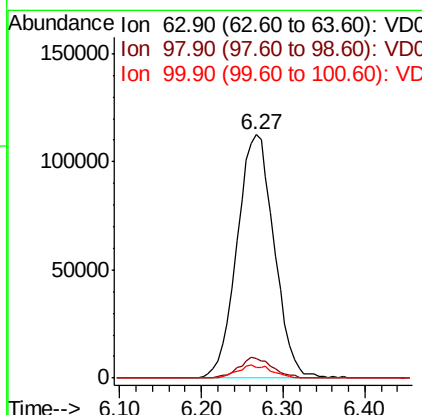
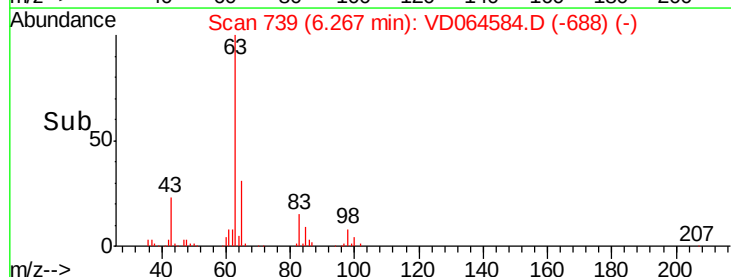
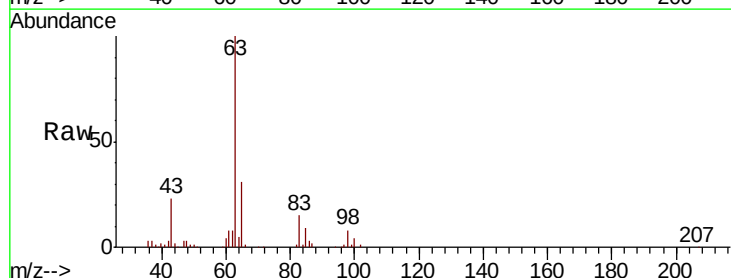
Tgt Ion: 63 Resp: 354828

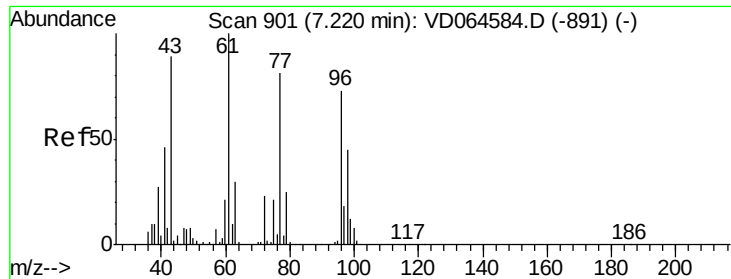
Ion Ratio Lower Upper

63 100

98 8.2 4.1 12.3

100 4.4 2.2 6.6





#25

2-Butanone

Concen: 245.728 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

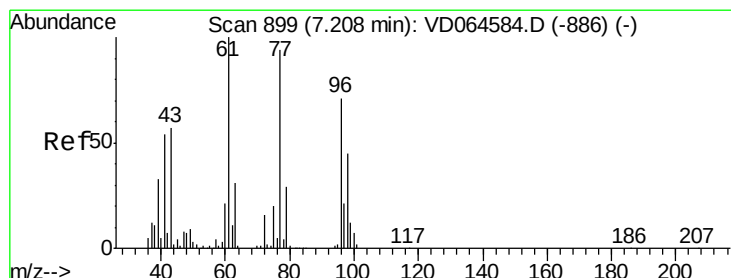
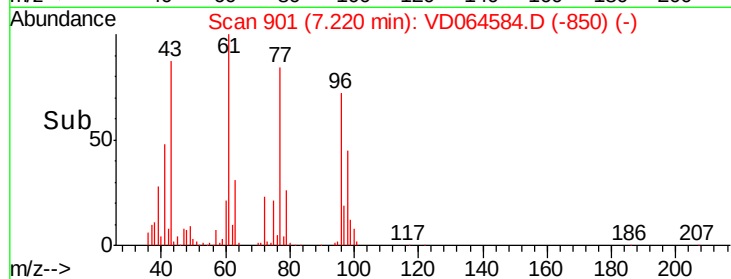
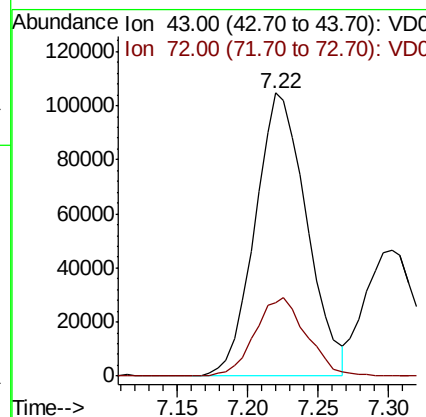
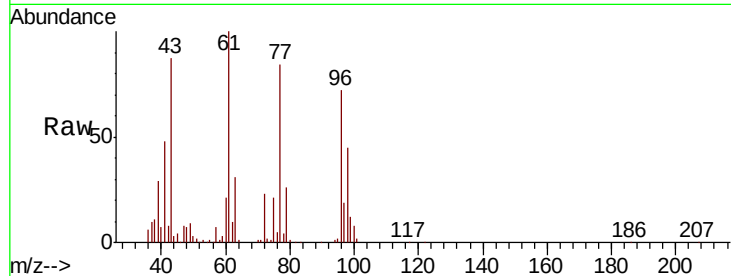
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 268650

Ion Ratio Lower Upper

43 100

72 25.9 20.7 31.1



#26

2,2-Dichloropropane

Concen: 52.329 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064584.D

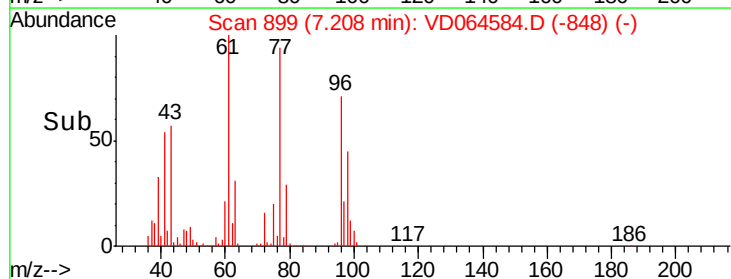
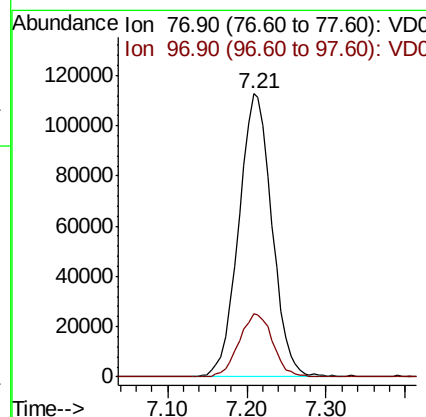
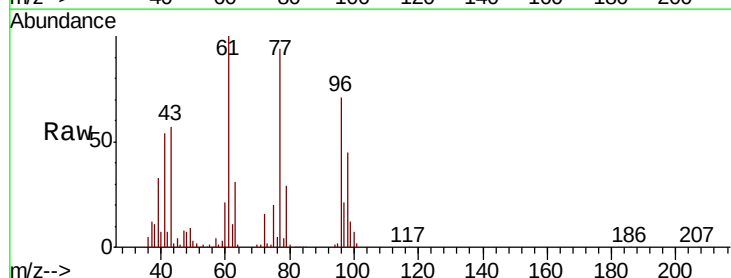
Acq: 24 Dec 2019 11:46

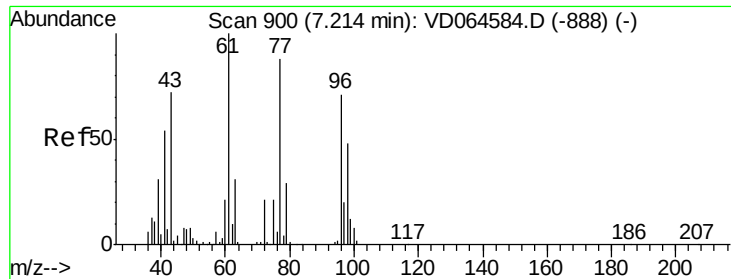
Tgt Ion: 77 Resp: 326922

Ion Ratio Lower Upper

77 100

97 22.4 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 49.677 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

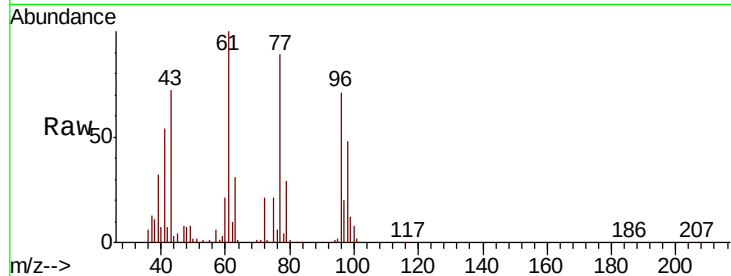
Tot Ion: 96 Resp: 234660

Ion Ratio Lower Upper

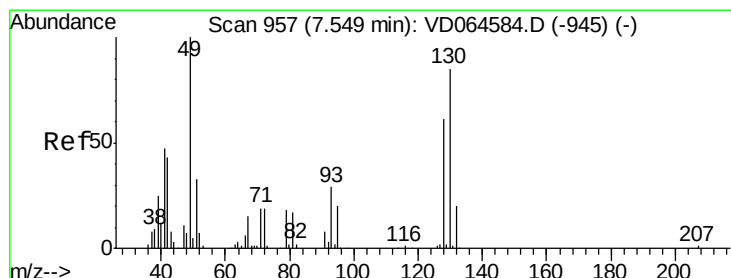
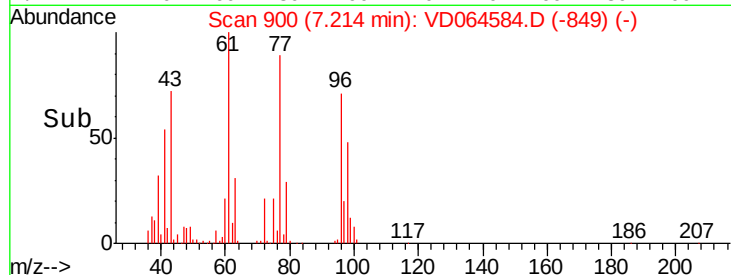
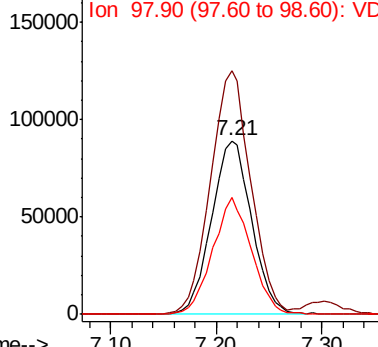
96 100

61 141.3 0.0 282.6

98 65.4 0.0 130.8



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



#28

Bromochloromethane

Concen: 59.517 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

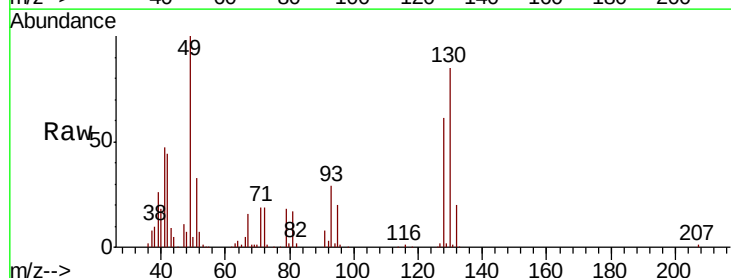
Tgt Ion: 49 Resp: 148427

Ion Ratio Lower Upper

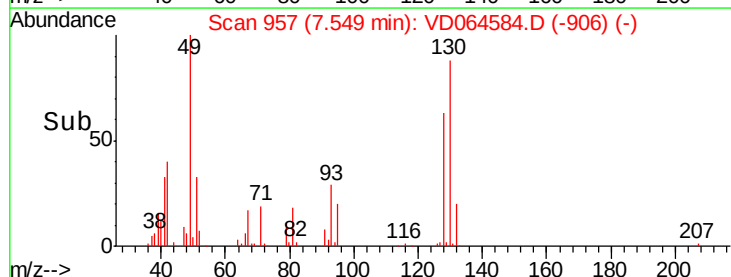
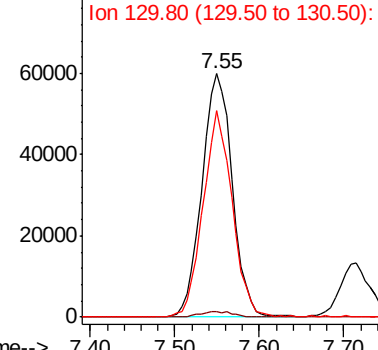
49 100

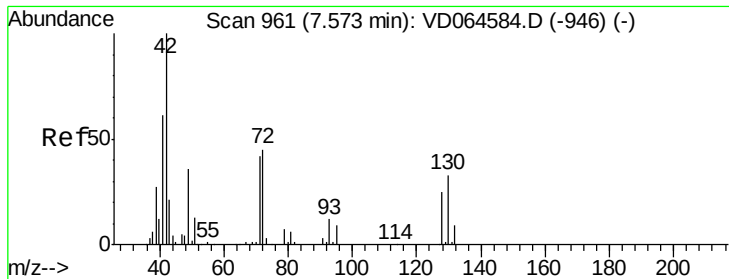
129 2.4 0.0 4.8

130 81.3 65.0 97.6



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

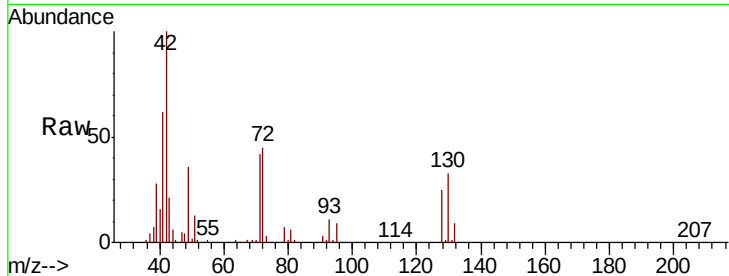




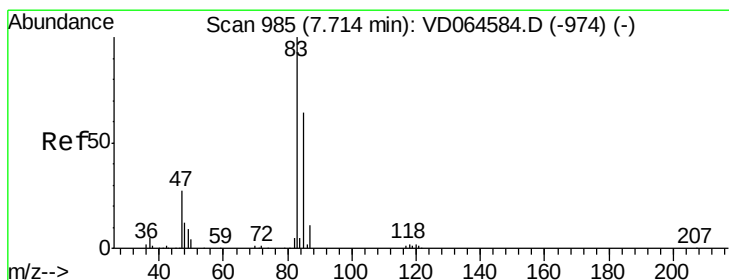
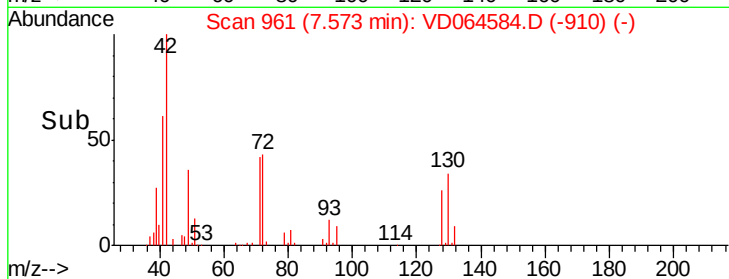
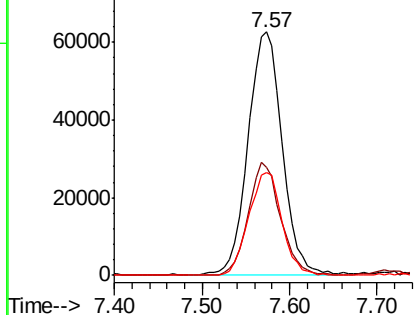
#29
Tetrahydrofuran
Concen: 240.179 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 167536
Ion Ratio Lower Upper
42 100
72 43.7 35.0 52.4
71 41.1 32.9 49.3

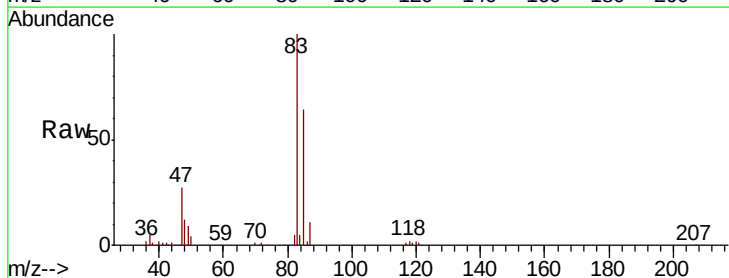


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

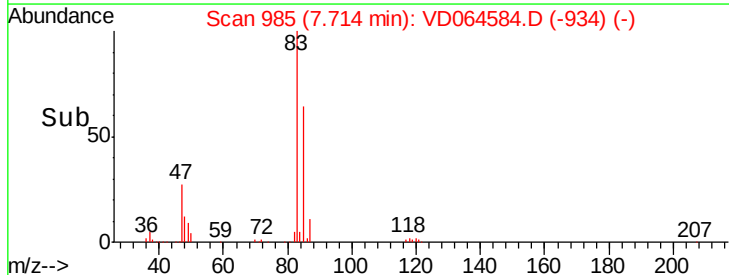
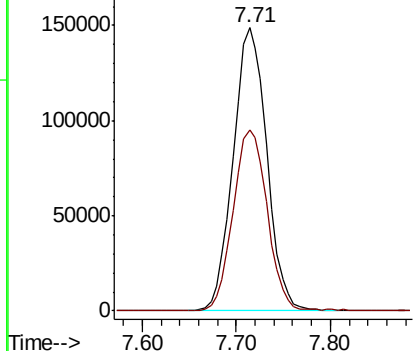


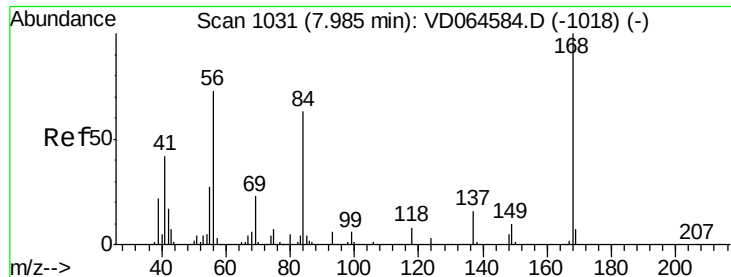
#30
Chloroform
Concen: 50.154 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Tgt Ion: 83 Resp: 369040
Ion Ratio Lower Upper
83 100
85 63.9 51.1 76.7



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

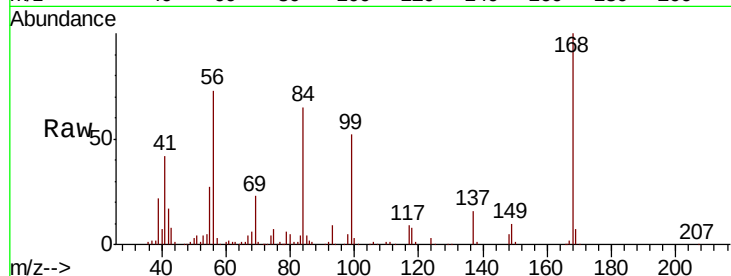




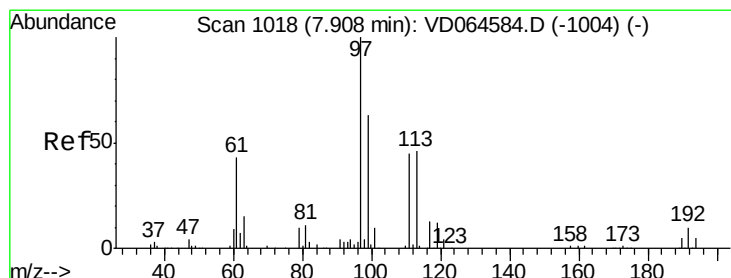
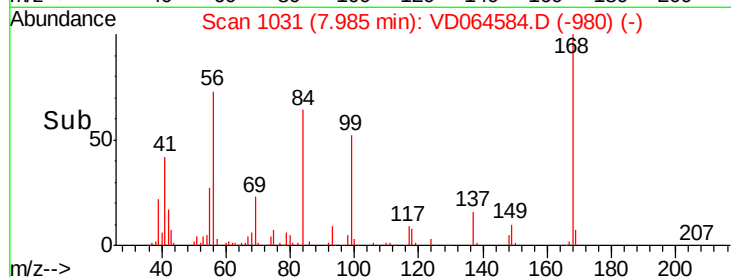
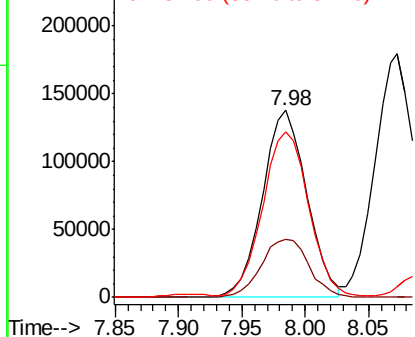
#31
Cyclohexane
Concen: 48.125 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 336698
Ion Ratio Lower Upper
56 100
69 30.9 24.7 37.1
84 86.8 69.4 104.2

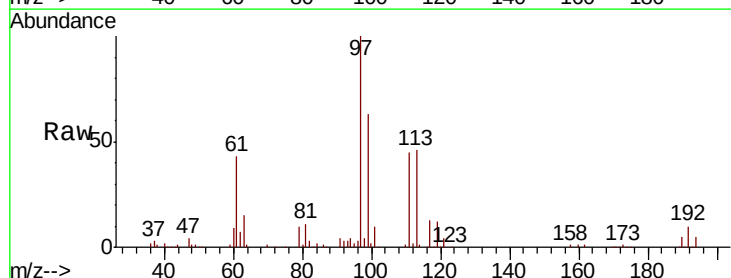


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

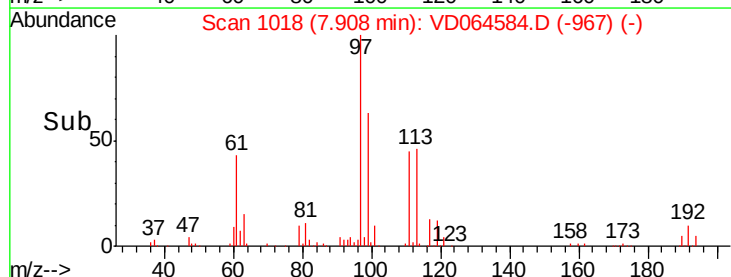
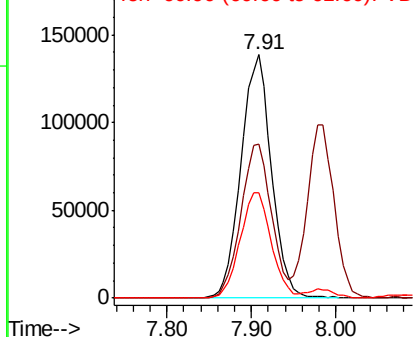


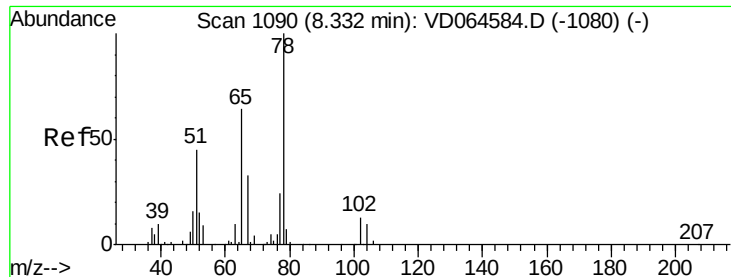
#32
1,1,1-Trichloroethane
Concen: 50.640 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Tgt Ion: 97 Resp: 346737
Ion Ratio Lower Upper
97 100
99 63.8 51.0 76.6
61 44.2 35.4 53.0



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

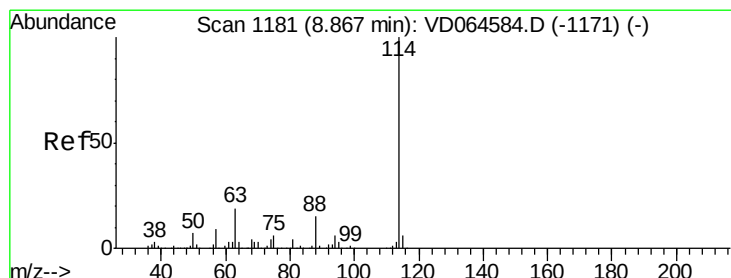
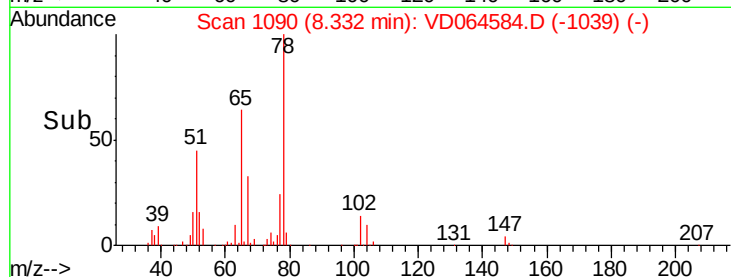
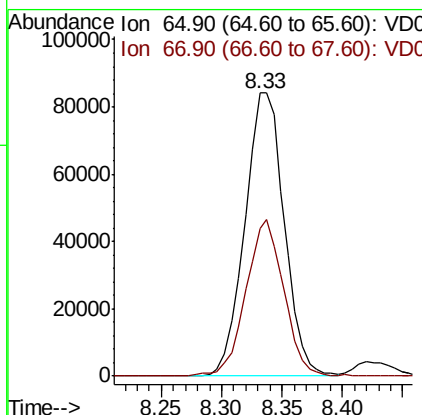
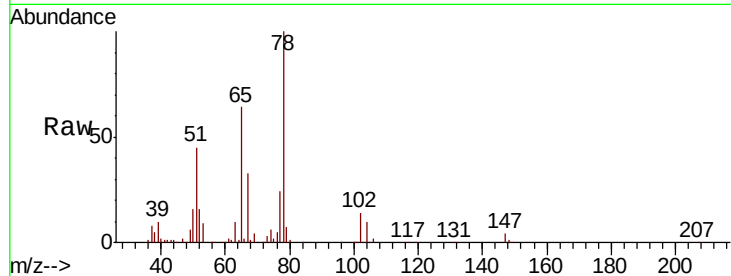




#33
 1,2-Dichloroethane-d4
 Concen: 49.606 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064584.D
 Acq: 24 Dec 2019 11:46

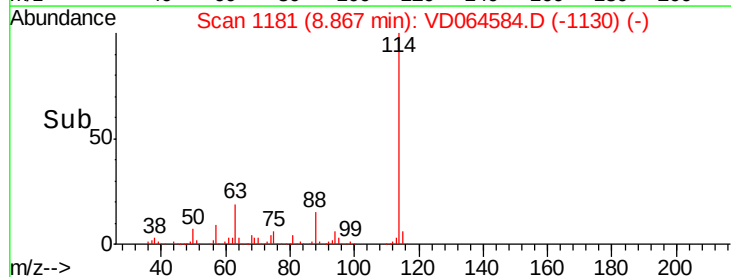
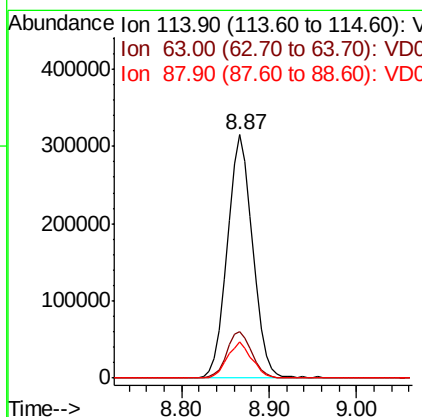
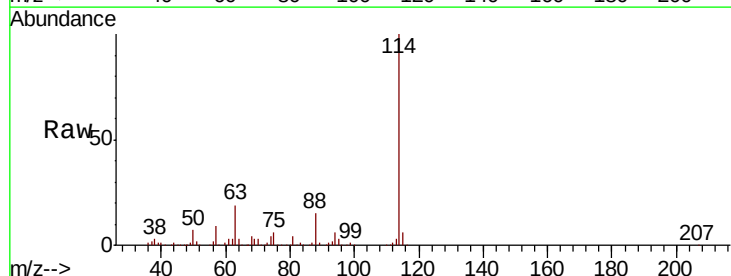
Instrument :
 MSVOA_D
 ClientSampleId :

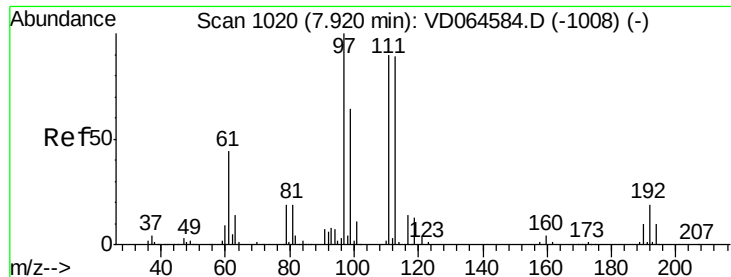
Tot Ion: 65 Resp: 191867
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064584.D
 Acq: 24 Dec 2019 11:46

Tgt Ion: 114 Resp: 622428
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.0
 88 14.6 0.0 29.2

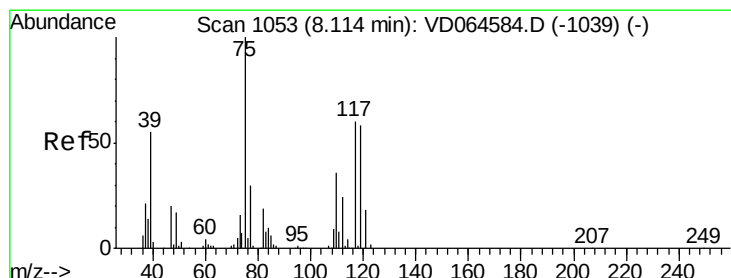
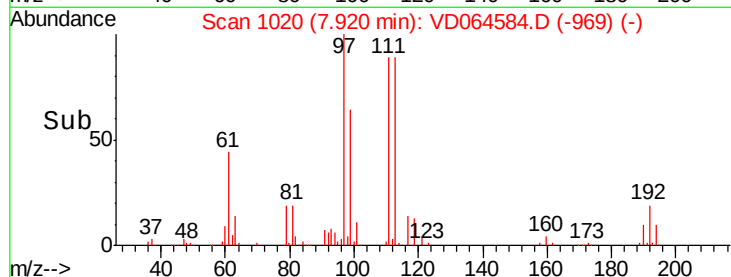
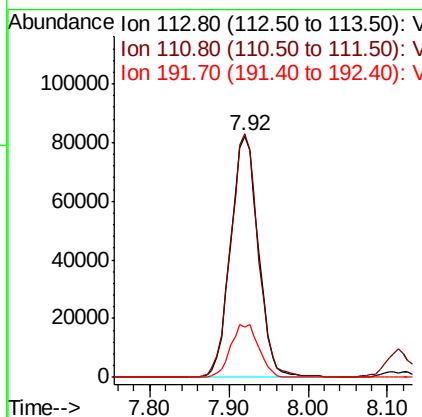
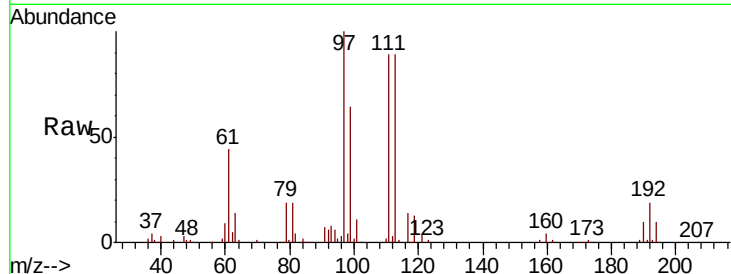




#35
 Dibromofluoromethane
 Concen: 50.464 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064584.D
 Acq: 24 Dec 2019 11:46

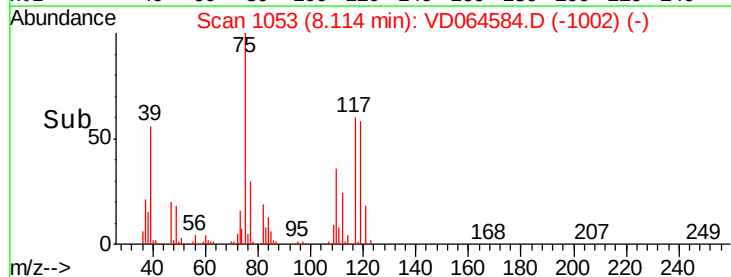
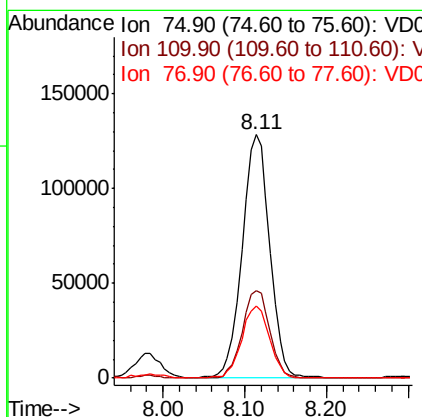
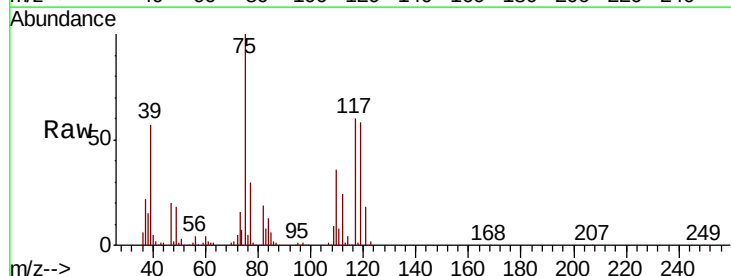
Instrument :
 MSVOA_D
 ClientSampled :

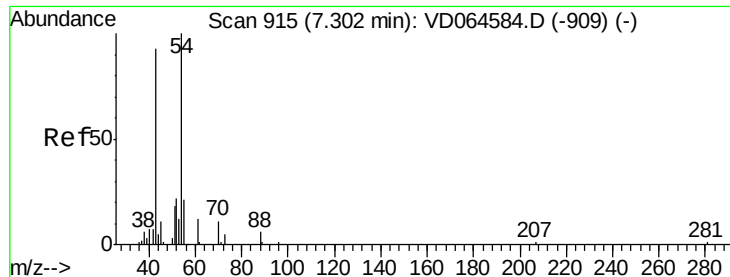
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.8	80.6	121.0
192	22.4	17.9	26.9



#36
 1,1-Dichloropropene
 Concen: 50.748 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064584.D
 Acq: 24 Dec 2019 11:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	18.1	54.1
77	30.3	24.2	36.4

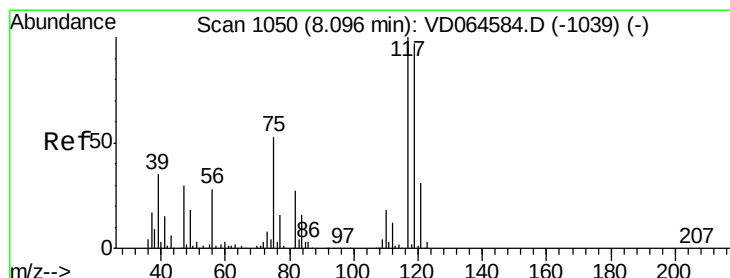
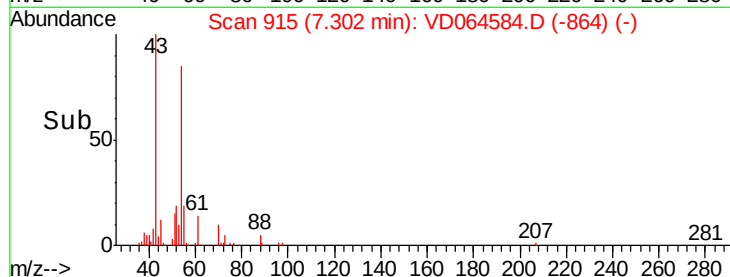
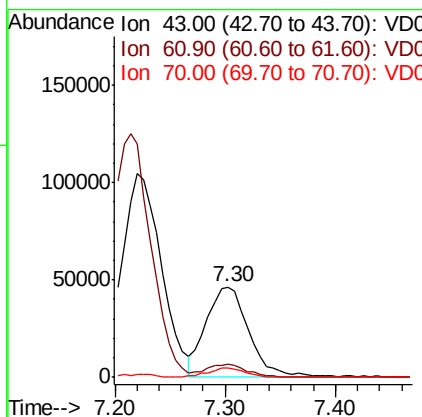
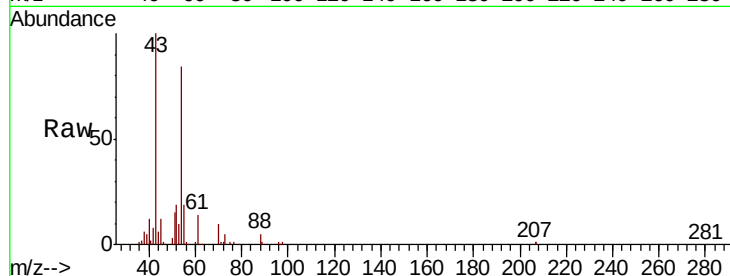




#37
Ethyl Acetate
Concen: 49.541 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

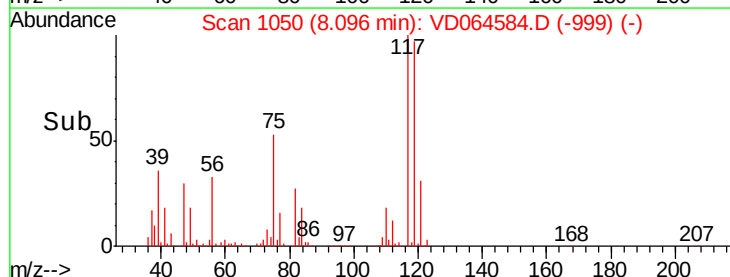
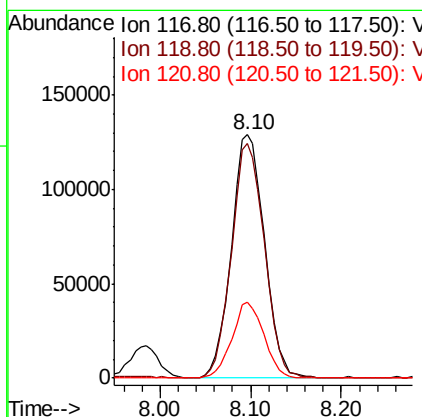
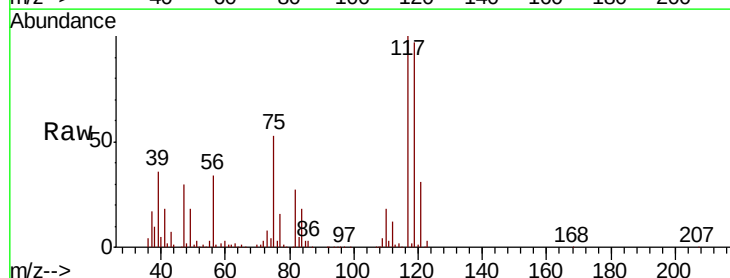
Instrument :
MSVOA_D
ClientSampleId :

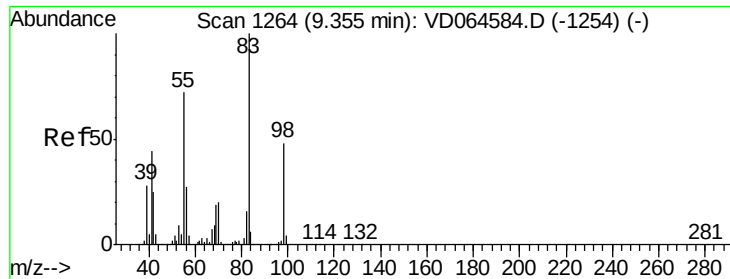
Tot Ion: 43 Resp: 123311
Ion Ratio Lower Upper
43 100
61 12.9 10.3 15.5
70 9.5 7.6 11.4



#38
Carbon Tetrachloride
Concen: 52.251 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Tgt Ion: 117 Resp: 326476
Ion Ratio Lower Upper
117 100
119 96.6 77.3 115.9
121 31.3 25.0 37.6

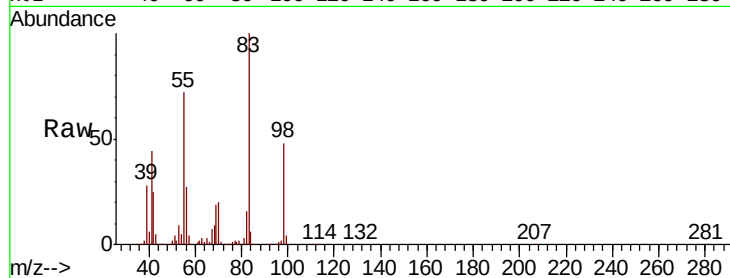




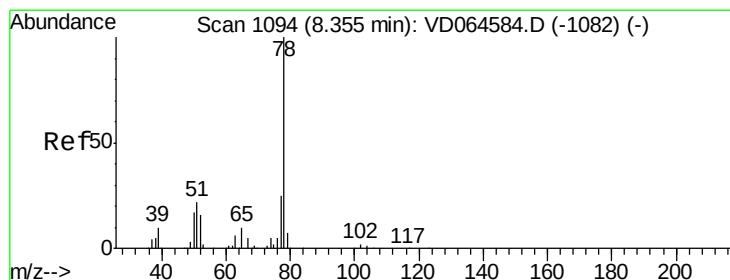
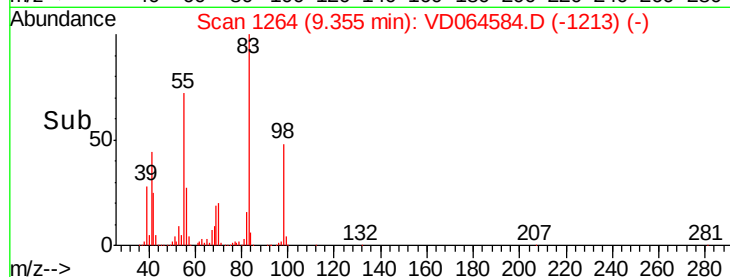
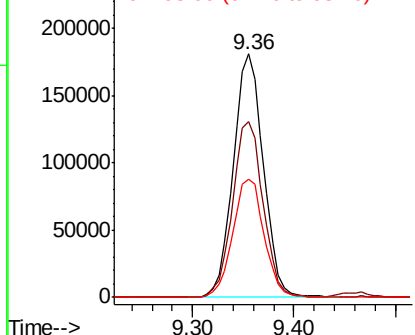
#39
Methylvlcyclohexane
Concen: 50.932 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 372283
Ion Ratio Lower Upper
83 100
55 72.2 57.8 86.6
98 48.4 38.7 58.1

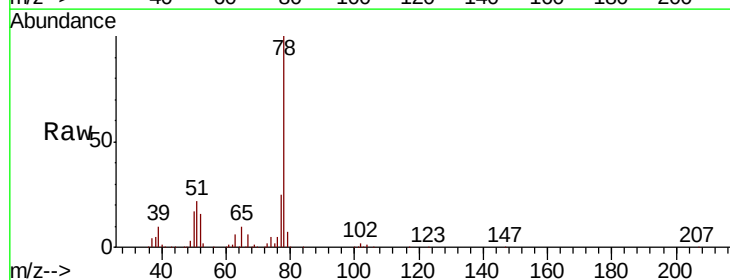


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

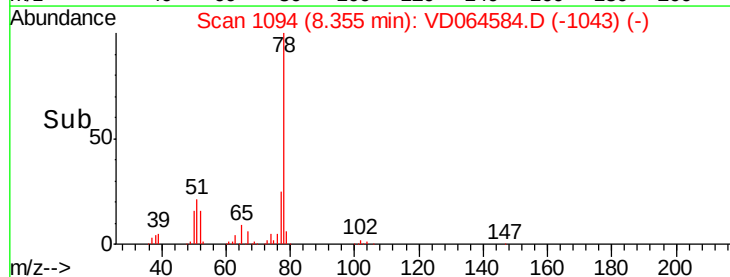
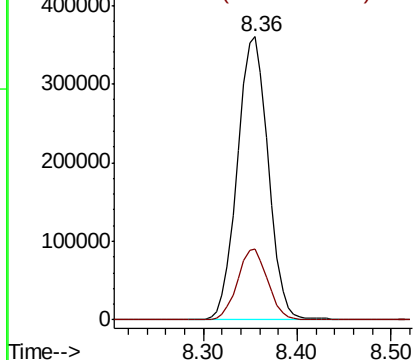


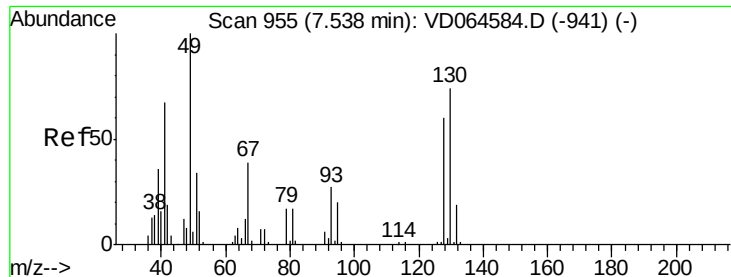
#40
Benzene
Concen: 50.214 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Tgt Ion: 78 Resp: 820055
Ion Ratio Lower Upper
78 100
77 24.9 19.9 29.9



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 53.557 ug/l

RT: 7.54 min Scan# 955

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 41 Resp: 75415

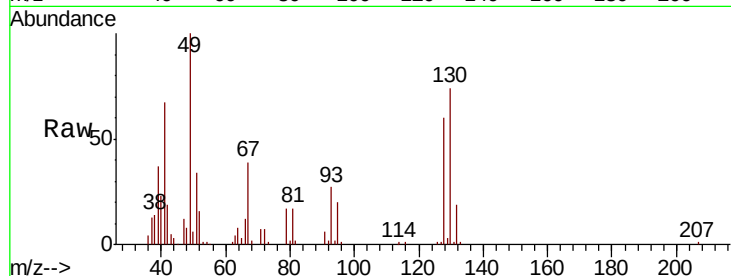
Ion Ratio Lower Upper

41 100

39 58.4 46.7 70.1

67 65.6 52.5 78.7

52 30.1 24.1 36.1

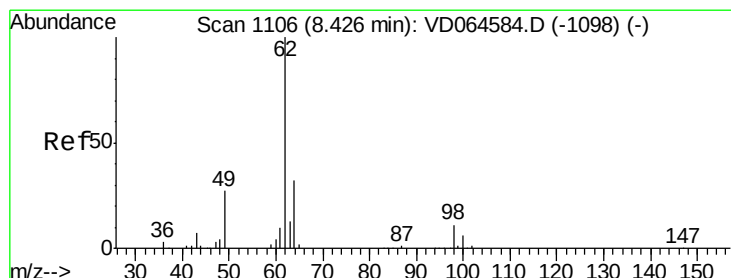
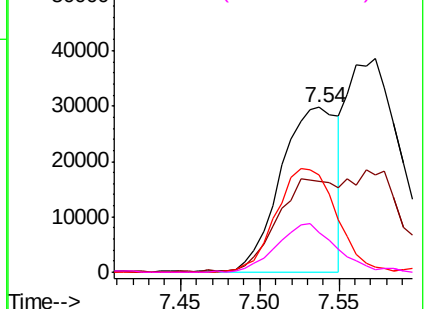
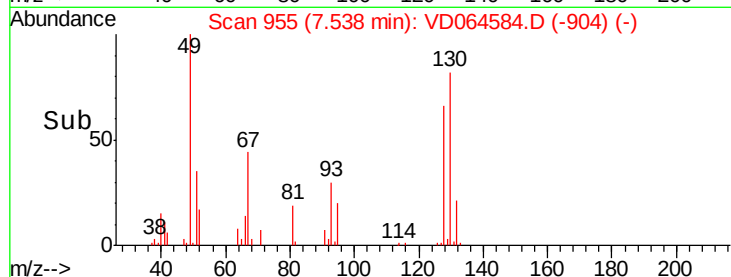


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 49.960 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD064584.D

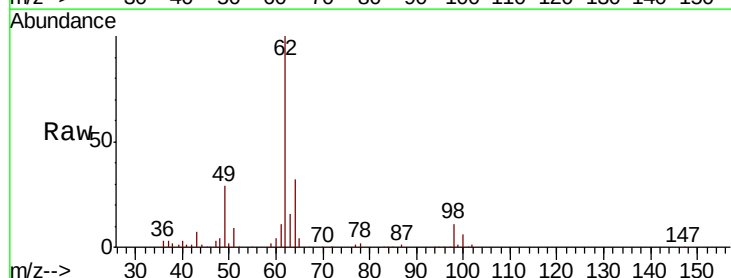
Acq: 24 Dec 2019 11:46

Tgt Ion: 62 Resp: 238161

Ion Ratio Lower Upper

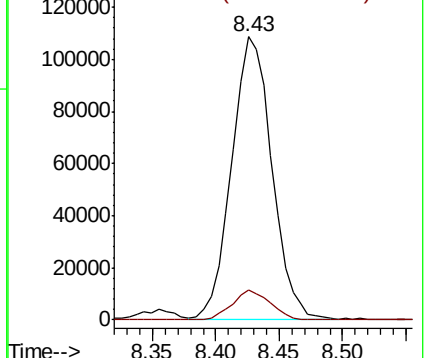
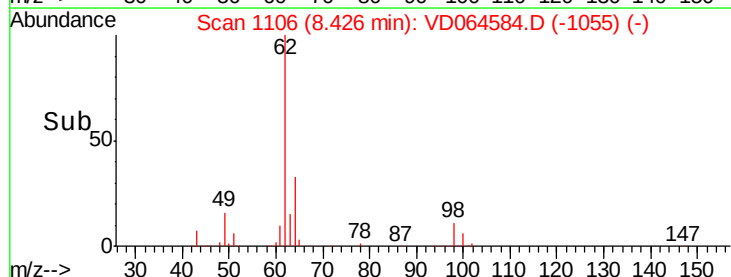
62 100

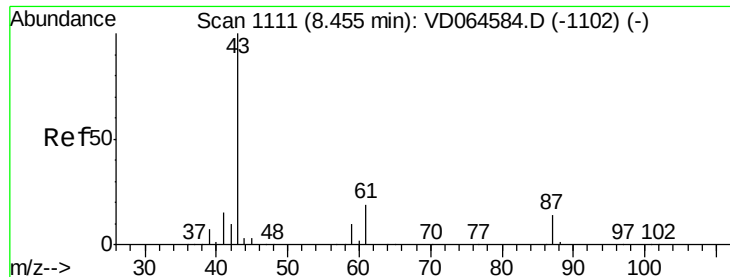
98 10.0 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 49.595 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

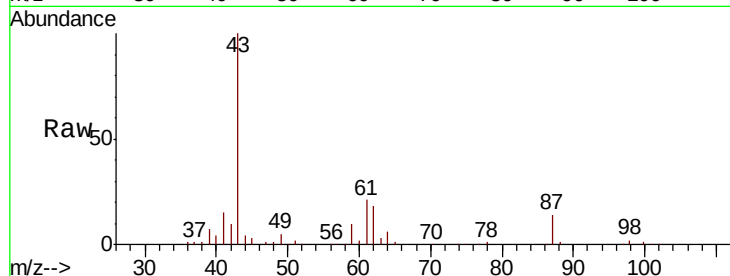
Tot Ion: 43 Resp: 241962

Ion Ratio Lower Upper

43 100

61 29.6 23.7 35.5

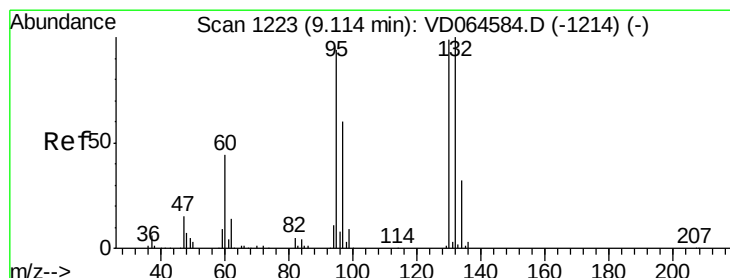
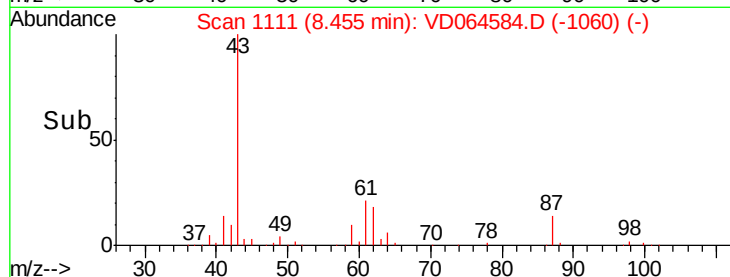
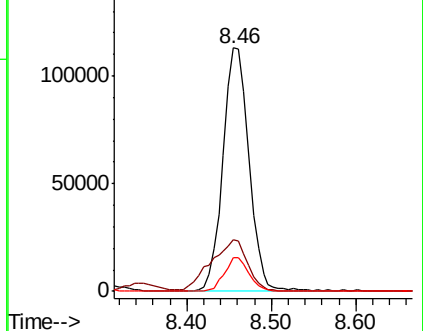
87 13.1 10.5 15.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 48.928 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064584.D

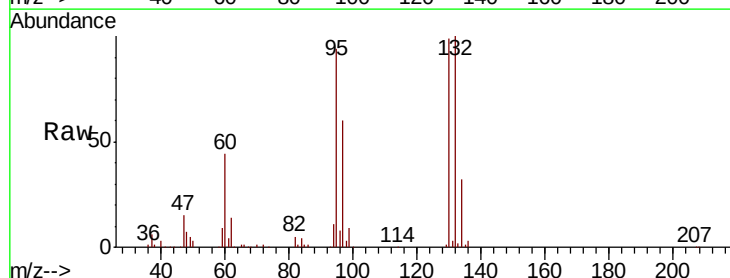
Acq: 24 Dec 2019 11:46

Tgt Ion:130 Resp: 240718

Ion Ratio Lower Upper

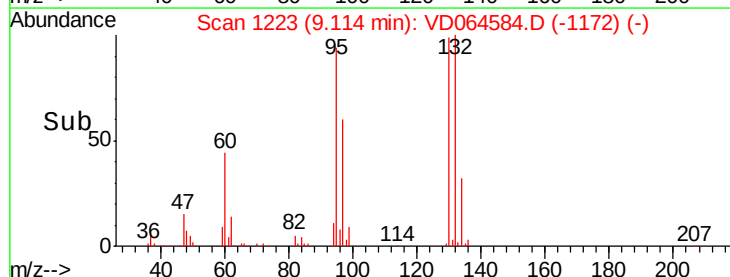
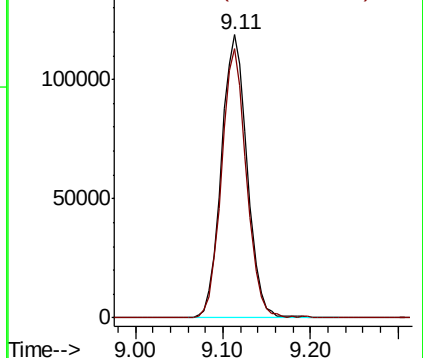
130 100

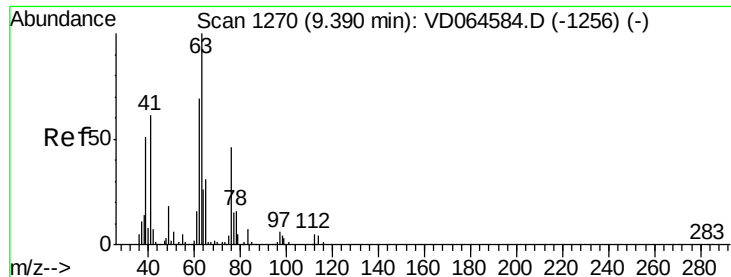
95 95.1 0.0 190.2



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

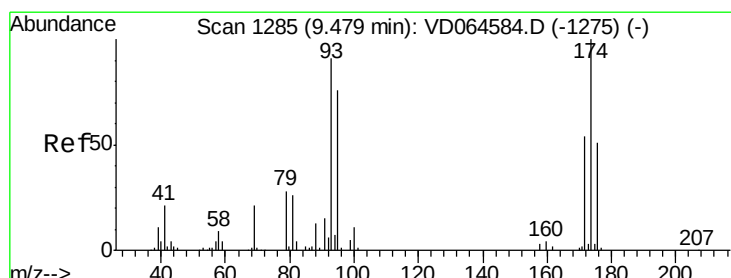
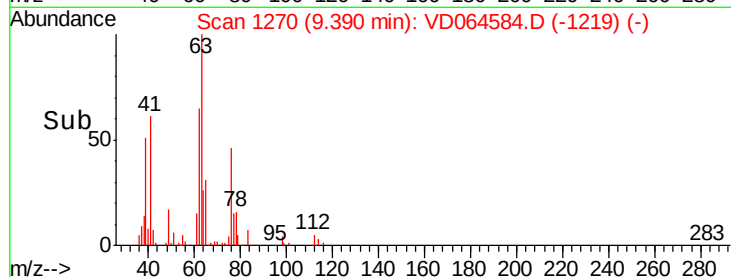
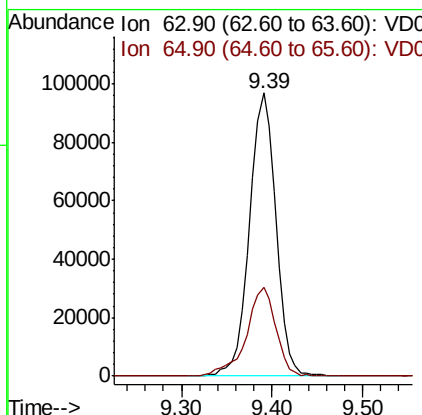
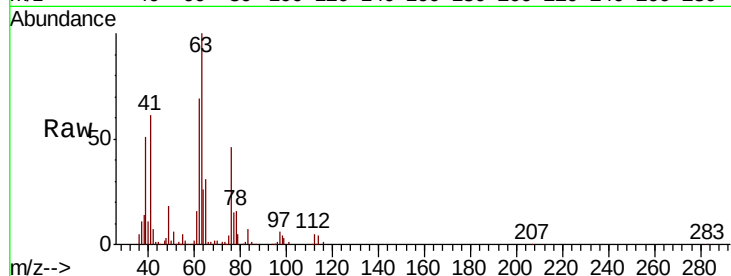




#45
 1,2-Dichloropropane
 Concen: 50.596 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064584.D
 Acq: 24 Dec 2019 11:46

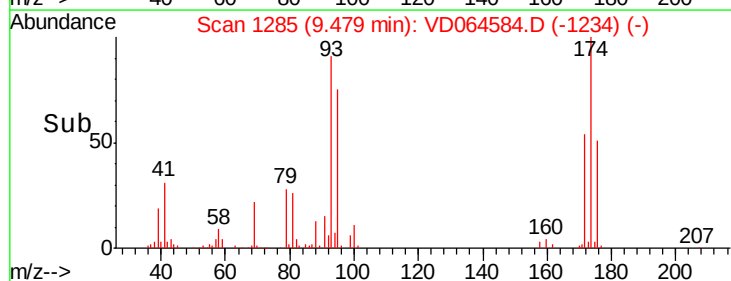
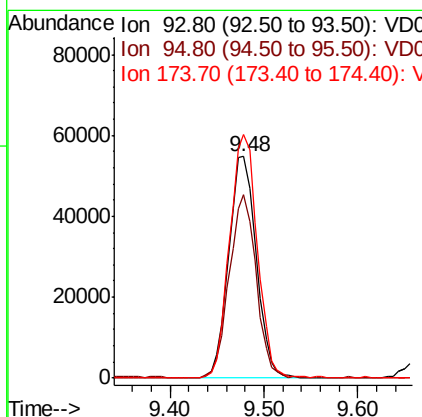
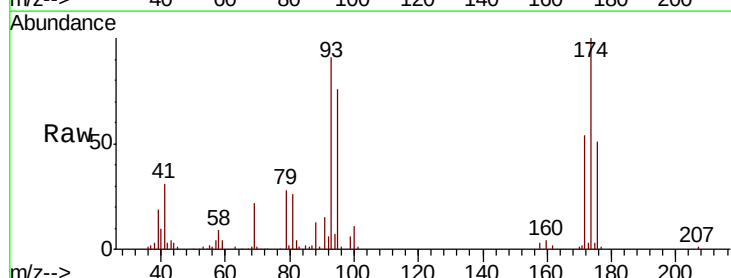
Instrument :
 MSVOA_D
 ClientSampled :

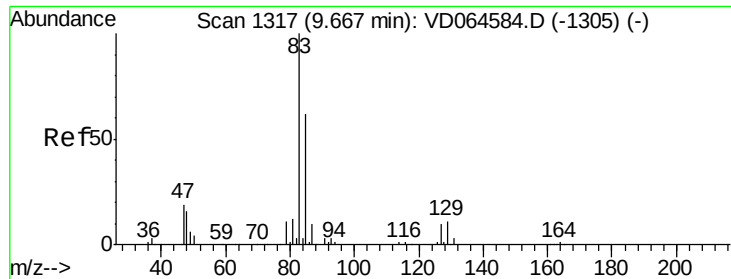
Tot Ion: 63 Resp: 197055
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.2 37.8



#46
 Dibromomethane
 Concen: 50.758 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064584.D
 Acq: 24 Dec 2019 11:46

Tgt Ion: 93 Resp: 111953
 Ion Ratio Lower Upper
 93 100
 95 80.8 64.6 97.0
 174 110.1 88.1 132.1





#47

Bromodichloromethane

Concen: 51.817 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

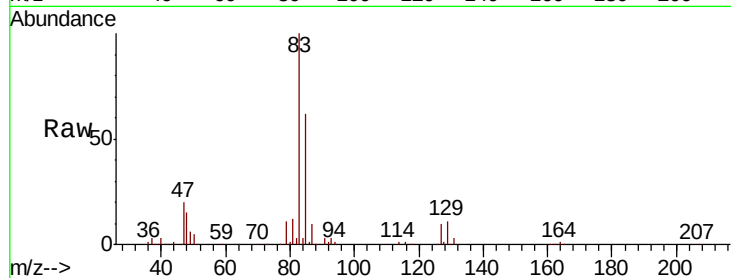
Tot Ion: 83 Resp: 294136

Ion Ratio Lower Upper

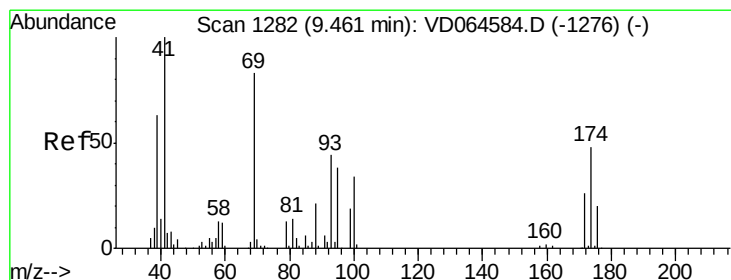
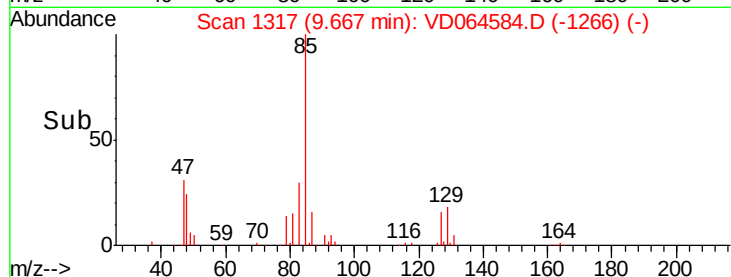
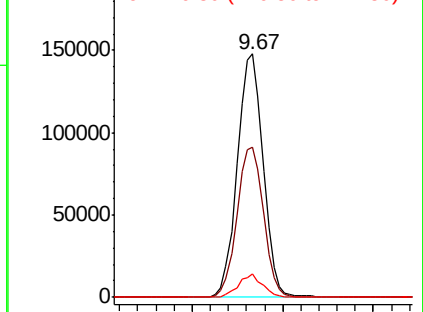
83 100

85 61.9 49.5 74.3

127 9.7 7.8 11.6



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



#48

Methyl methacrylate

Concen: 52.666 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

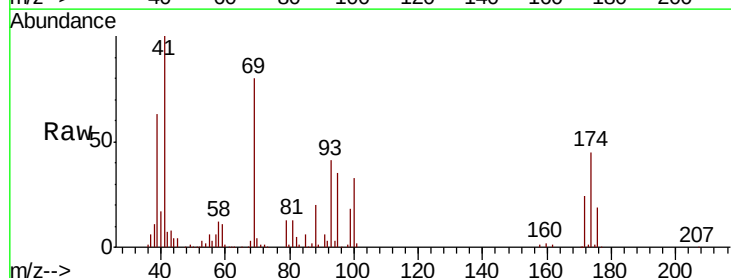
Tgt Ion: 41 Resp: 119225

Ion Ratio Lower Upper

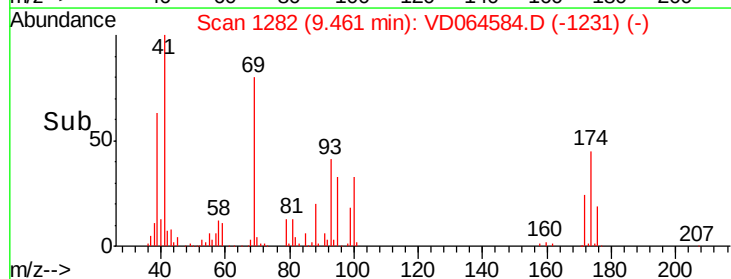
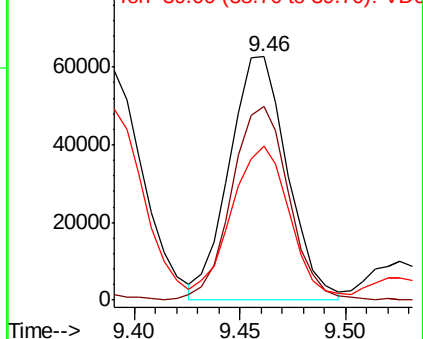
41 100

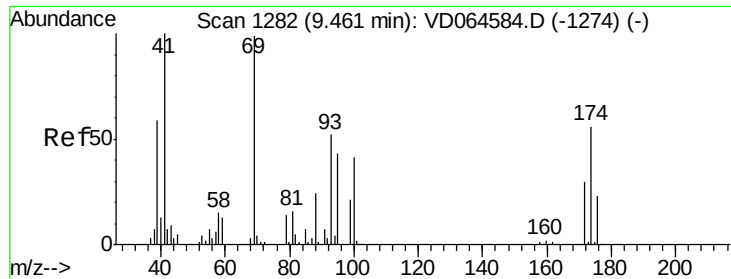
69 78.8 63.0 94.6

39 59.3 47.4 71.2



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

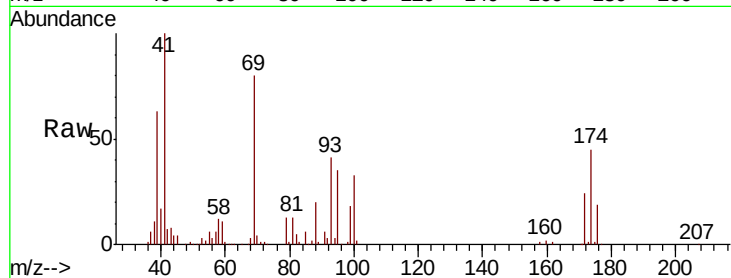




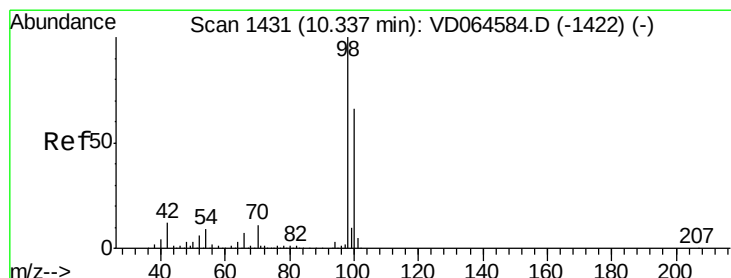
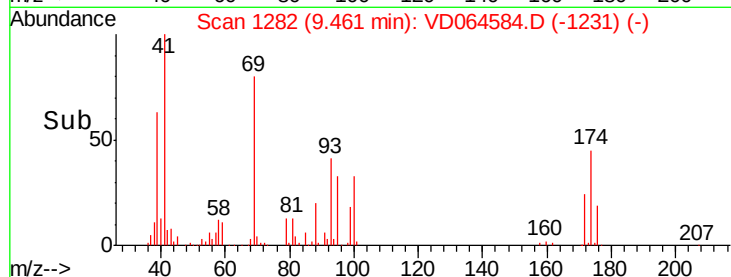
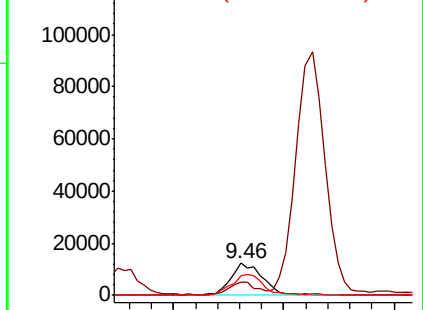
#49
 1,4-Dioxane
 Concen: 927.598 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD064584.D
 Acq: 24 Dec 2019 11:46

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 88 Resp: 25111
 Ion Ratio Lower Upper
 88 100
 43 34.6 27.7 41.5
 58 67.2 53.8 80.6

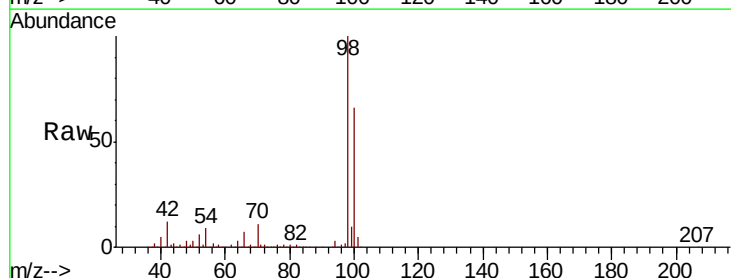


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

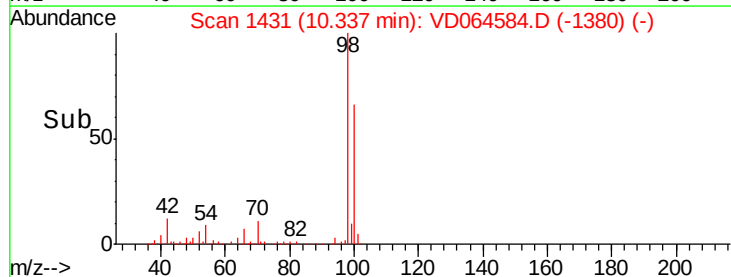
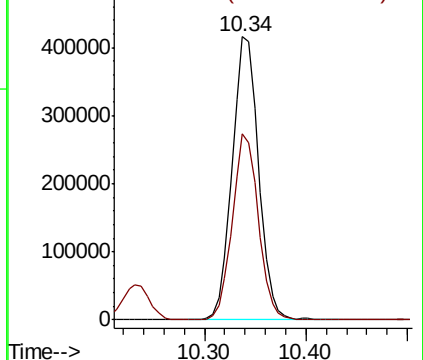


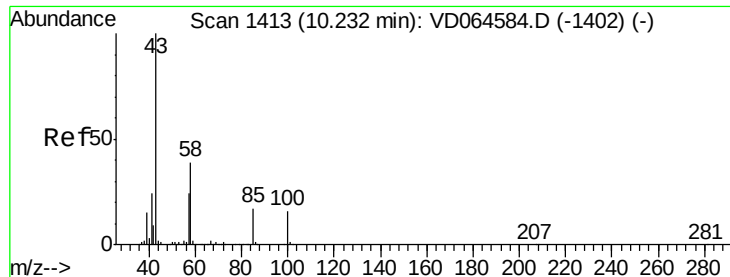
#50
 Toluene-d8
 Concen: 50.708 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. 0.00 min
 Lab File: VD064584.D
 Acq: 24 Dec 2019 11:46

Tgt Ion: 98 Resp: 754406
 Ion Ratio Lower Upper
 98 100
 100 64.6 51.7 77.5



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

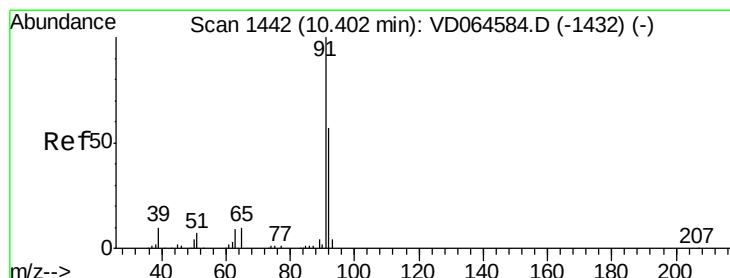
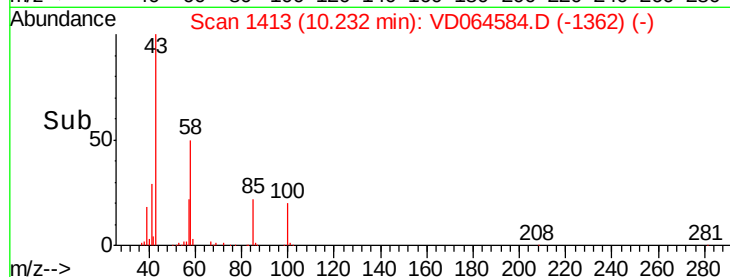
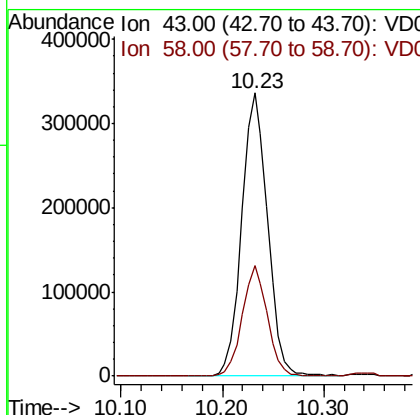
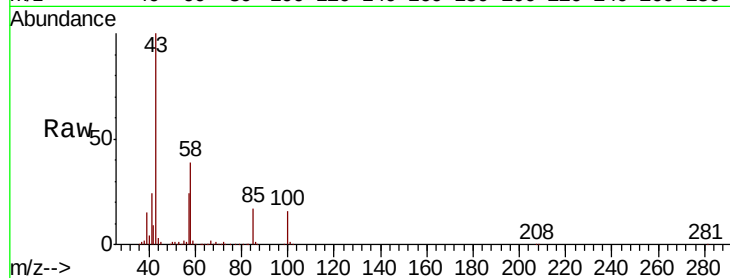




#51
4-Methyl-2-Pentanone
Concen: 246.207 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

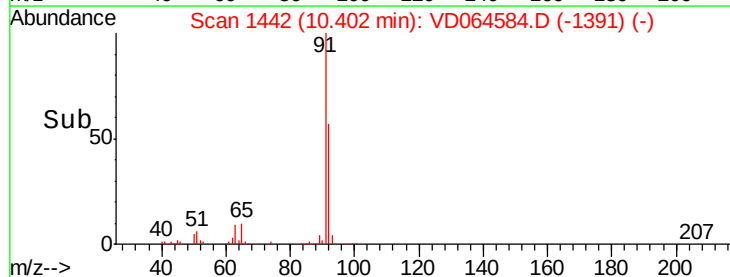
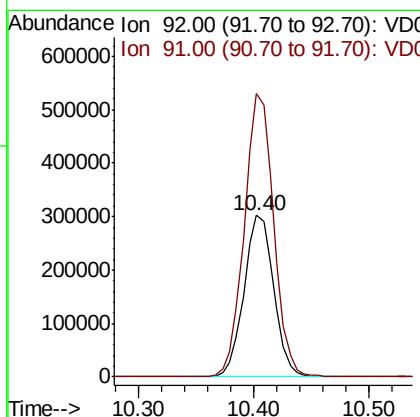
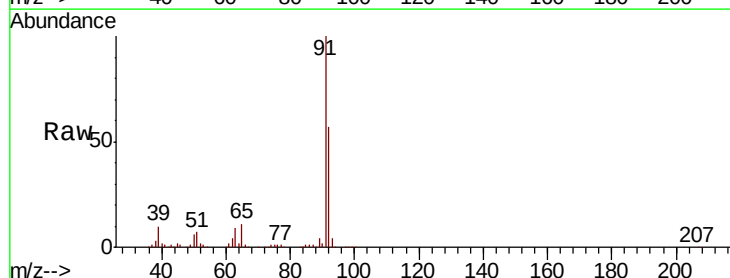
Instrument :
MSVOA_D
ClientSampleId :

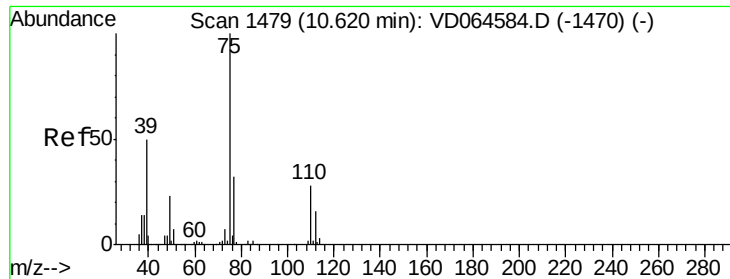
Tot Ion: 43 Resp: 594837
Ion Ratio Lower Upper
43 100
58 37.7 30.2 45.2



#52
Toluene
Concen: 50.761 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Tgt Ion: 92 Resp: 542875
Ion Ratio Lower Upper
92 100
91 173.4 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 51.507 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Instrument :

MSVOA_D

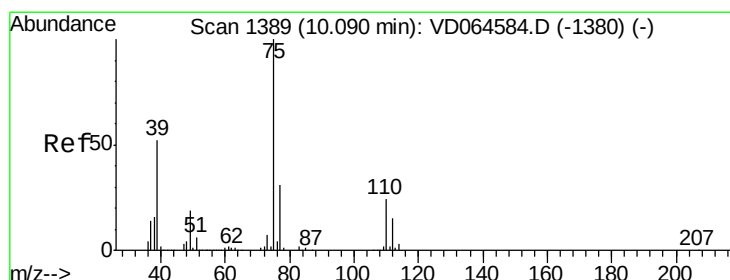
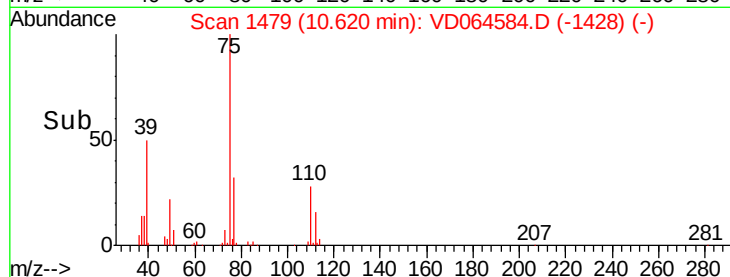
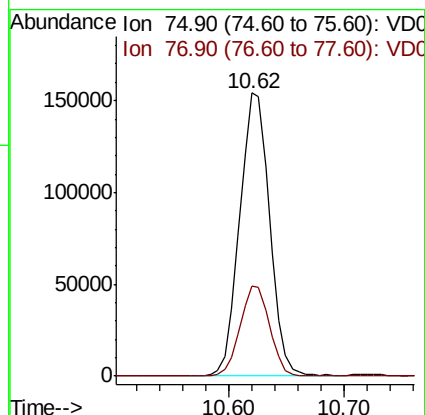
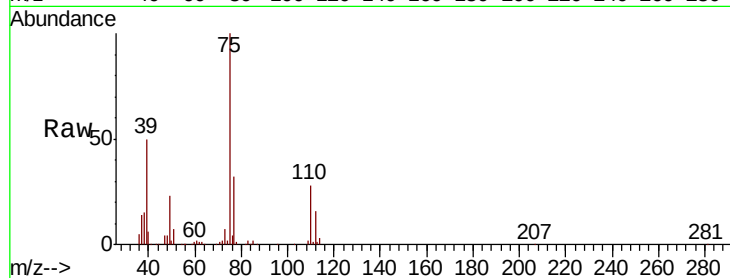
ClientSampleId :

Tot Ion: 75 Resp: 278050

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 51.238 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

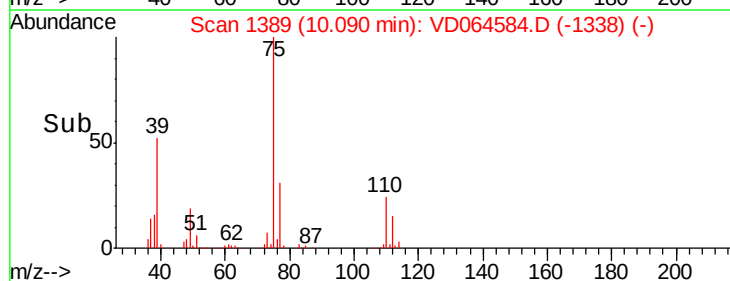
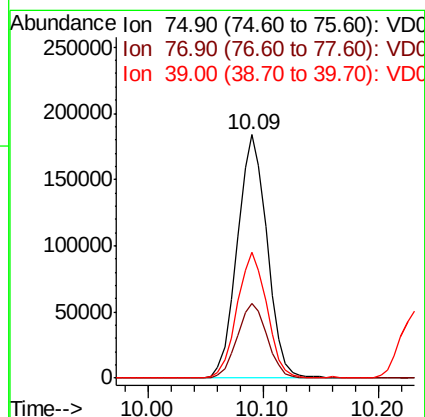
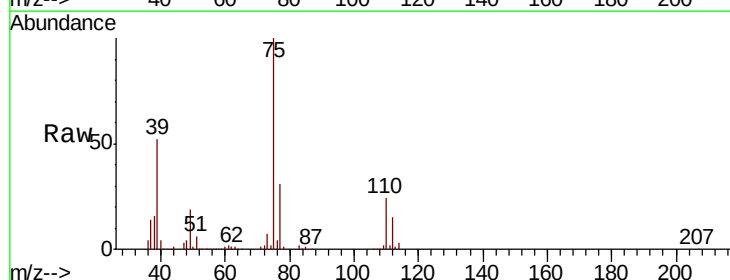
Tgt Ion: 75 Resp: 328652

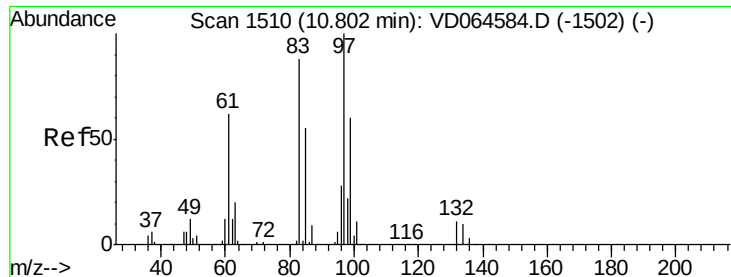
Ion Ratio Lower Upper

75 100

77 30.7 24.6 36.8

39 51.8 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 49.121 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 148011

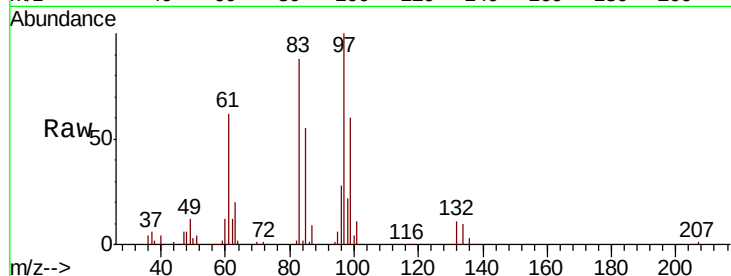
Ion Ratio Lower Upper

97 100

83 87.8 70.2 105.4

85 55.0 44.0 66.0

99 59.7 47.8 71.6

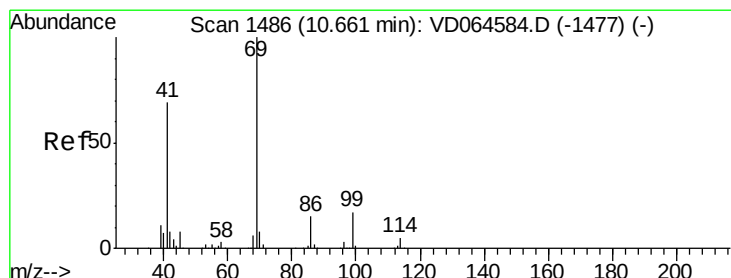
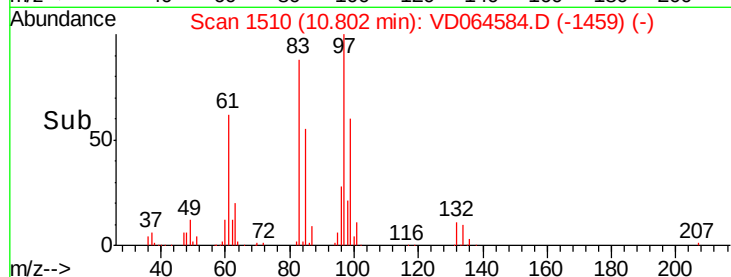
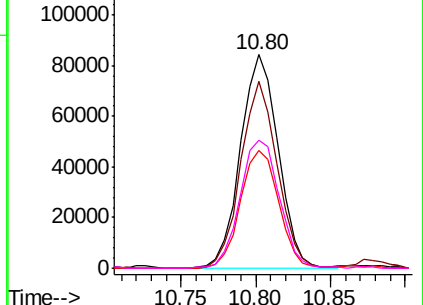


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 49.825 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

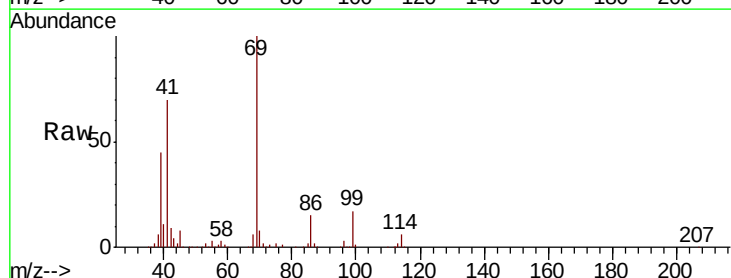
Tgt Ion: 69 Resp: 190641

Ion Ratio Lower Upper

69 100

41 69.1 55.3 82.9

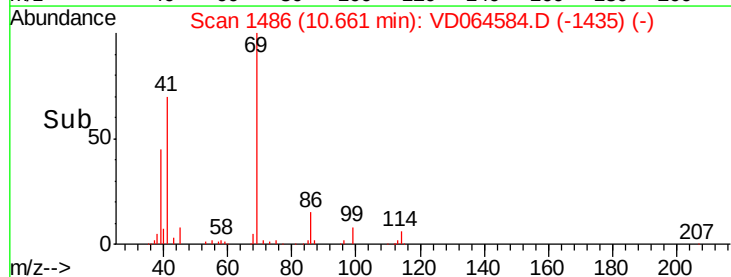
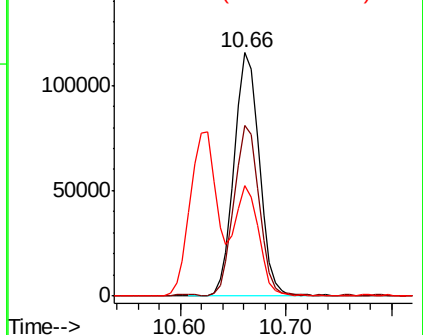
39 42.3 33.8 50.8

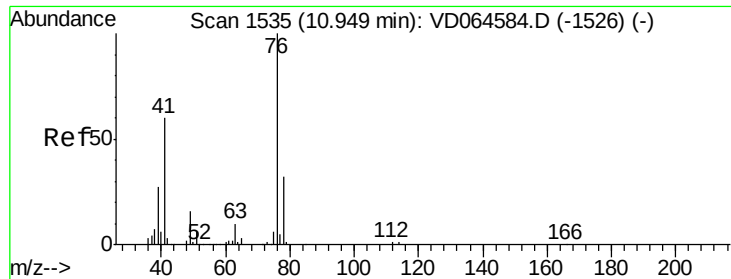


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 50.001 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Instrument :

MSVOA_D

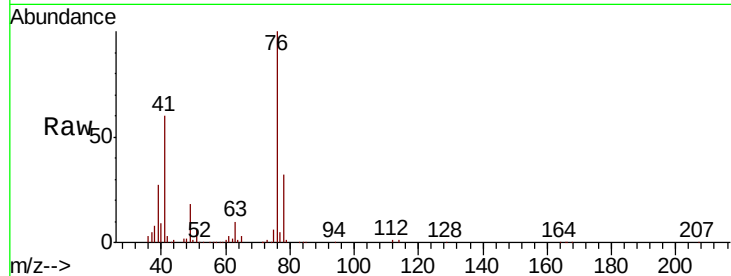
ClientSampleId :

Tot Ion: 76 Resp: 256920

Ion Ratio Lower Upper

76 100

78 32.8 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

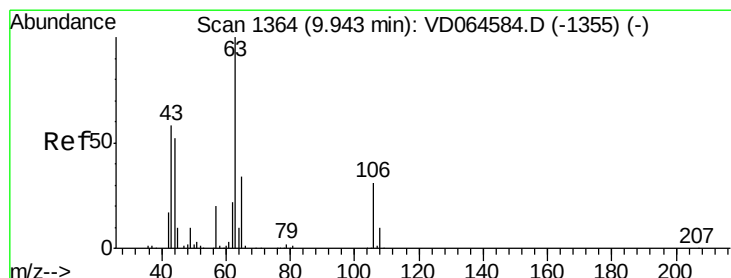
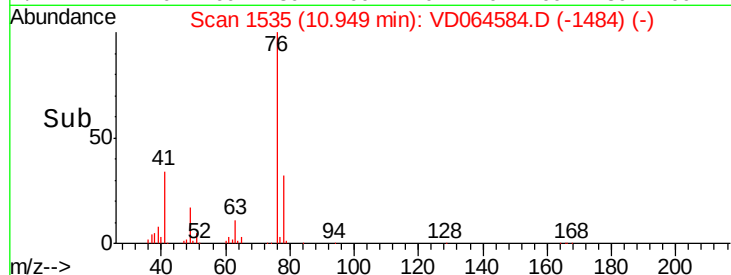
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 220.910 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064584.D

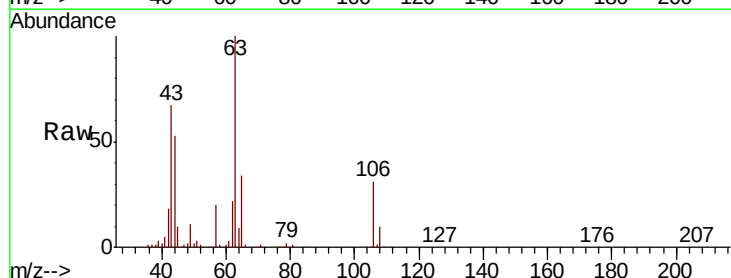
Acq: 24 Dec 2019 11:46

Tgt Ion: 63 Resp: 335232

Ion Ratio Lower Upper

63 100

106 29.8 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

9.94

200000

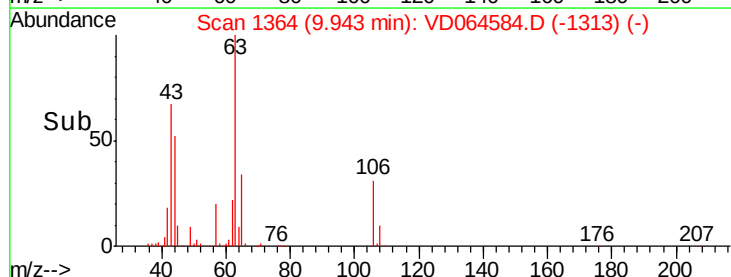
150000

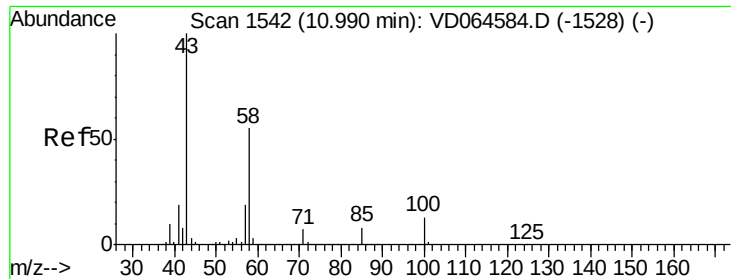
100000

50000

0

Time-->

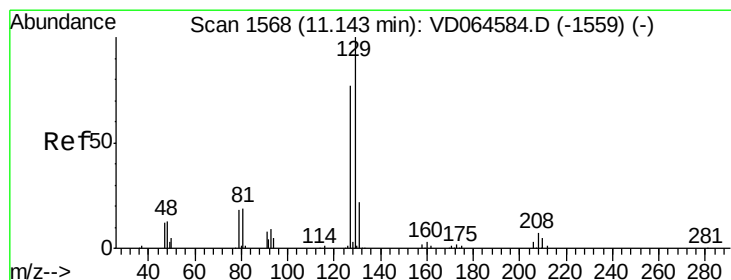
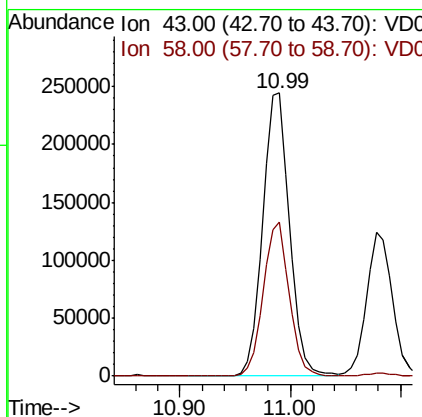
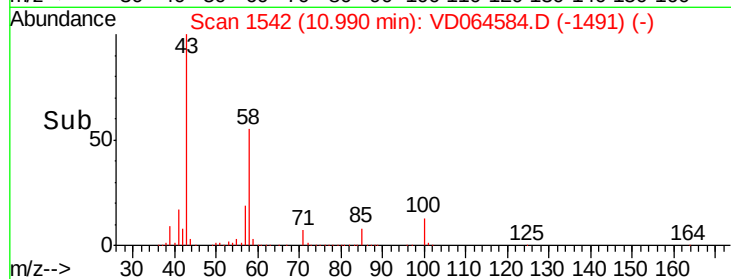
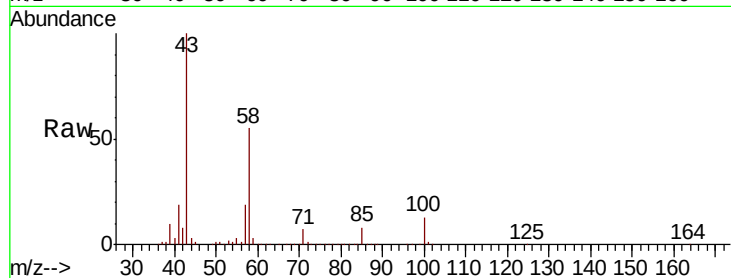




#59
2-Hexanone
Concen: 248.615 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

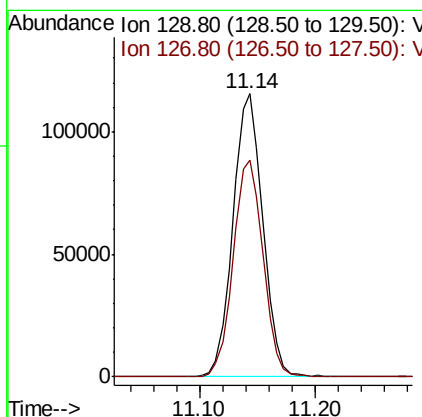
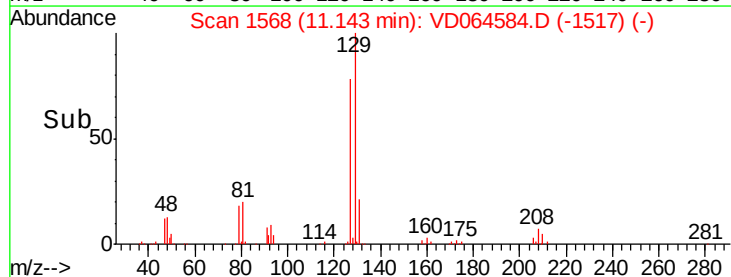
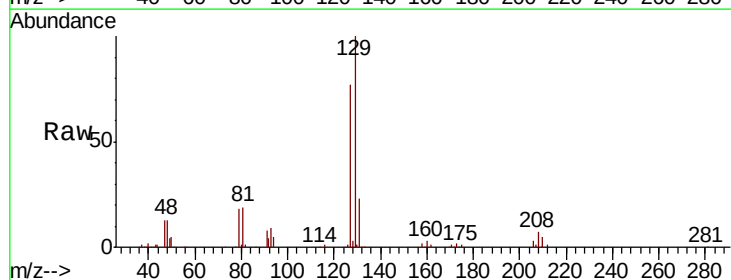
Instrument :
MSVOA_D
ClientSampled :

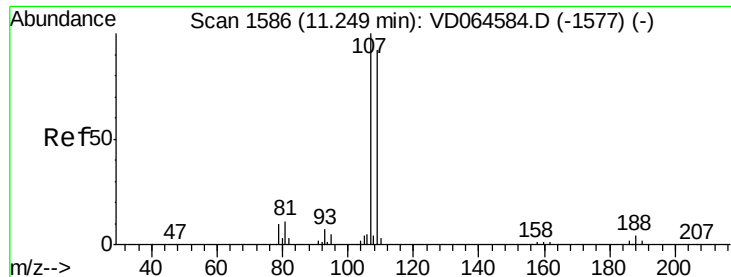
Tot Ion: 43 Resp: 416783
Ion Ratio Lower Upper
43 100
58 52.7 26.4 79.0



#60
Dibromochloromethane
Concen: 50.480 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Tgt Ion:129 Resp: 206697
Ion Ratio Lower Upper
129 100
127 76.8 38.4 115.2

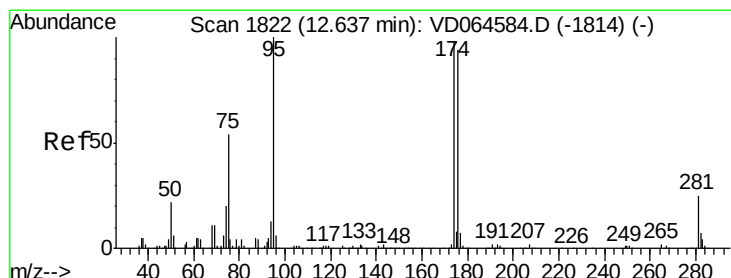
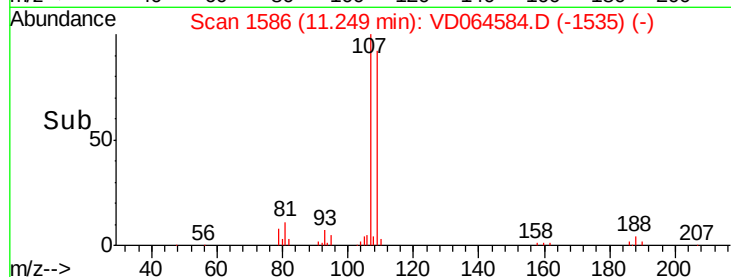
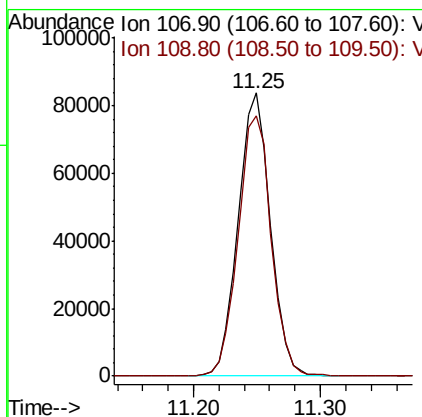
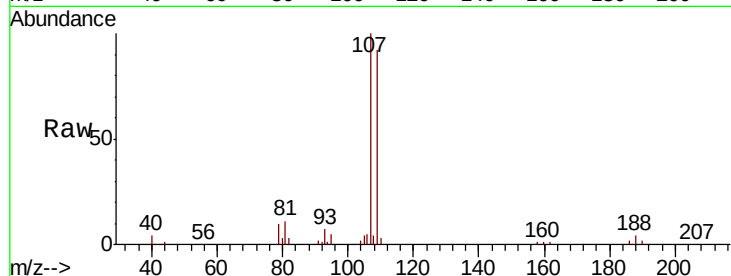




#61
 1,2-Dibromoethane
 Concen: 49.109 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064584.D
 Acq: 24 Dec 2019 11:46

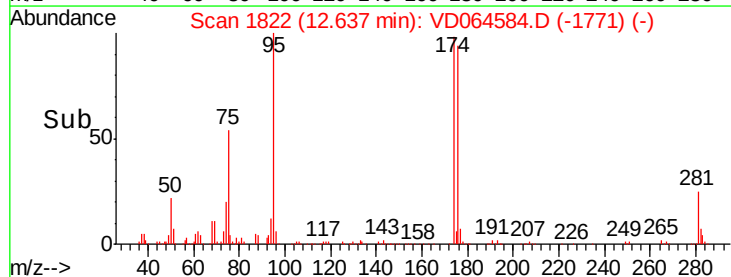
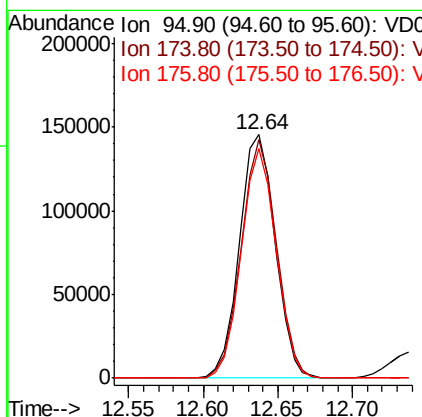
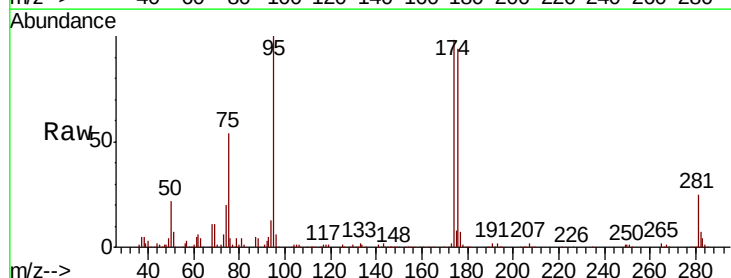
Instrument :
 MSVOA_D
 ClientSampleId :

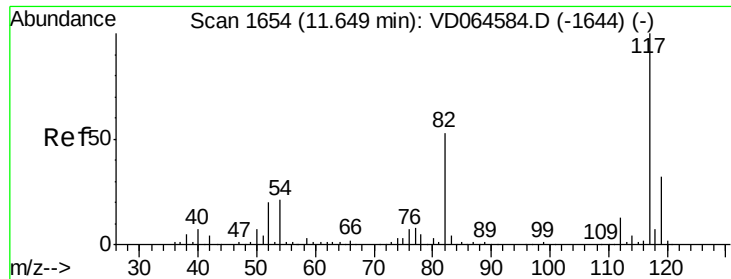
Tot Ion:107 Resp: 147603
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 50.420 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064584.D
 Acq: 24 Dec 2019 11:46

Tgt Ion: 95 Resp: 241506
 Ion Ratio Lower Upper
 95 100
 174 96.6 0.0 193.2
 176 92.1 0.0 184.2

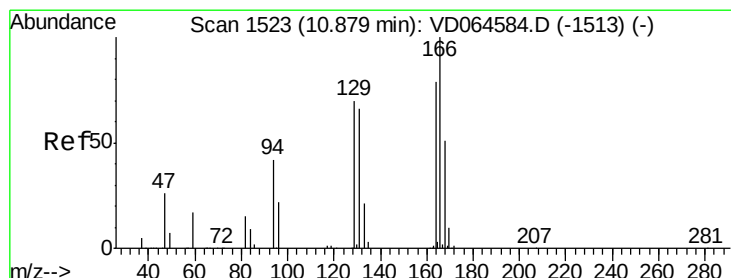
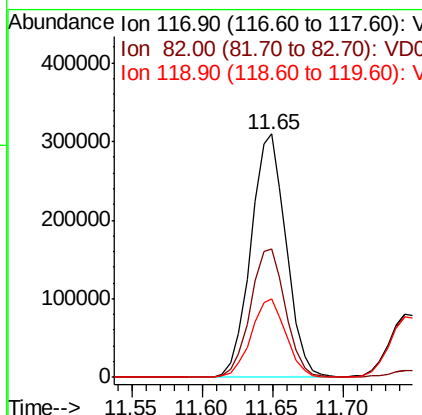
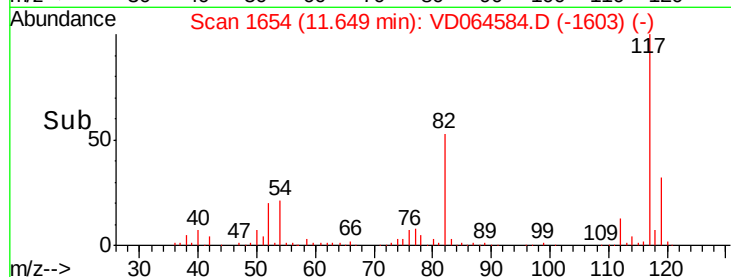
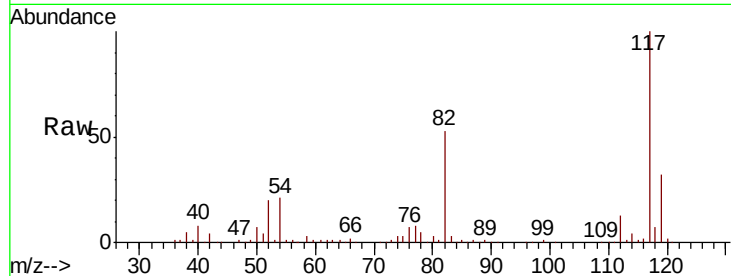




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

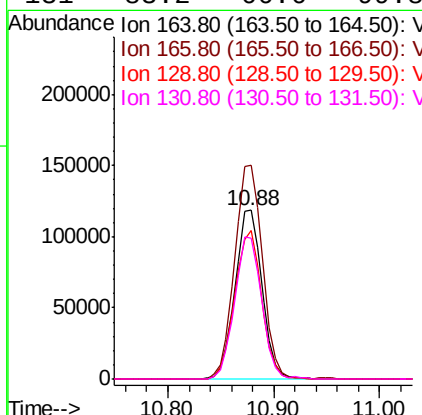
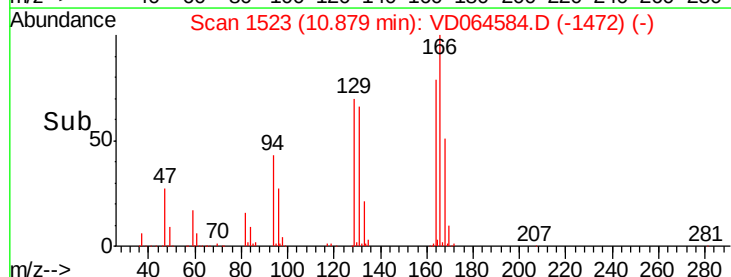
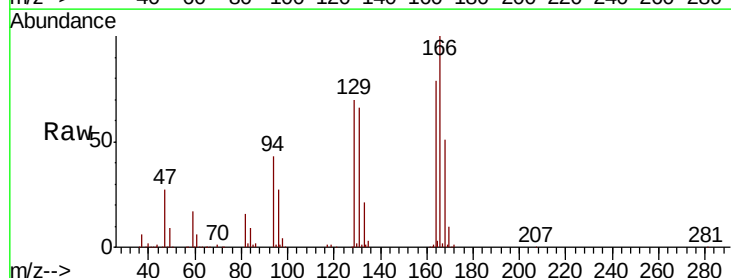
Instrument :
MSVOA_D
ClientSampleId :

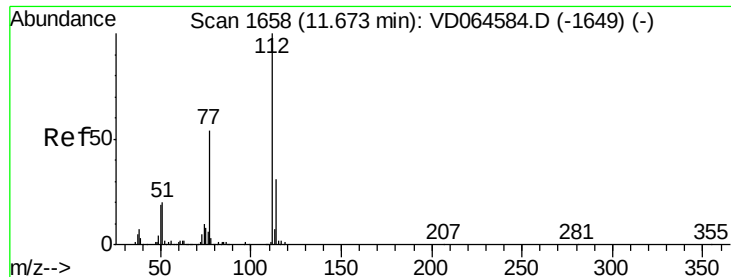
Tot Ion:117 Resp: 543002
Ion Ratio Lower Upper
117 100
82 52.8 42.2 63.4
119 32.5 26.0 39.0



#64
Tetrachloroethene
Concen: 50.584 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Tgt Ion:164 Resp: 209368
Ion Ratio Lower Upper
164 100
166 126.6 101.3 151.9
129 88.1 70.5 105.7
131 83.2 66.6 99.8

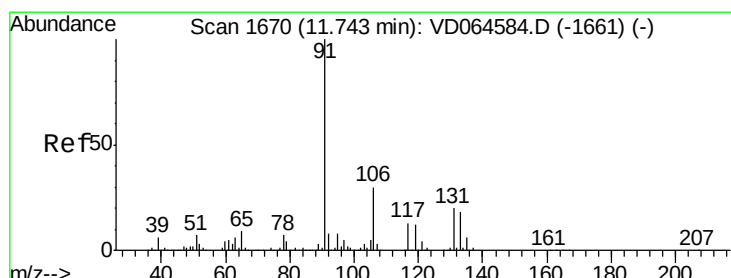
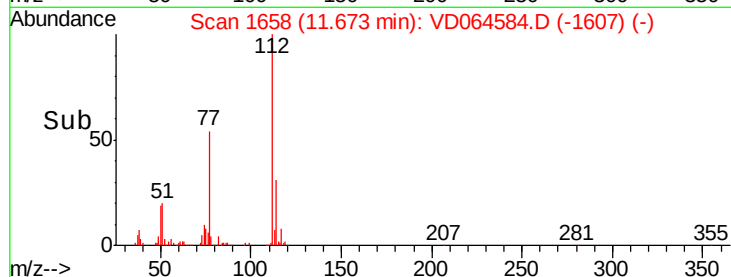
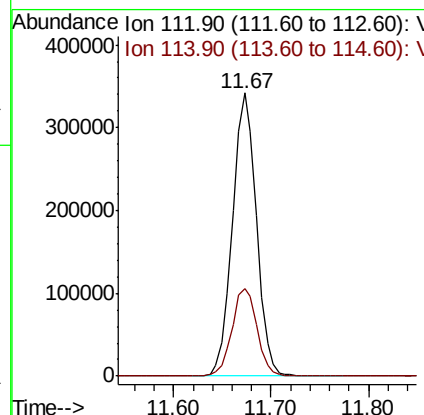
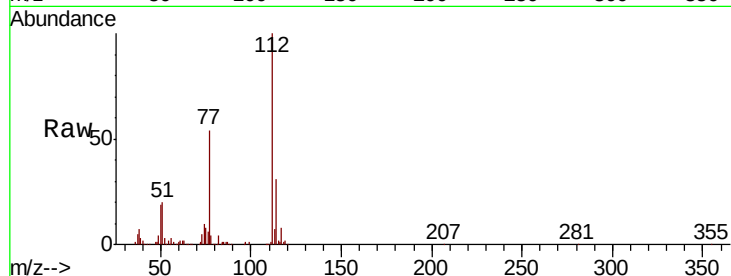




#65
Chlorobenzene
Concen: 51.039 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

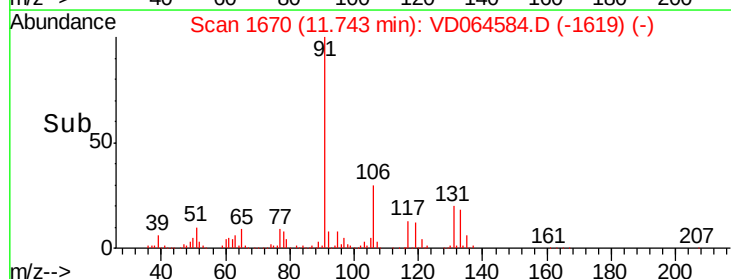
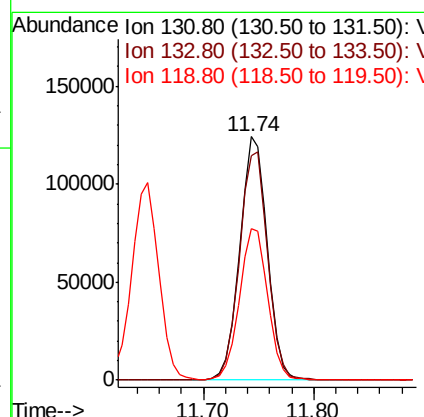
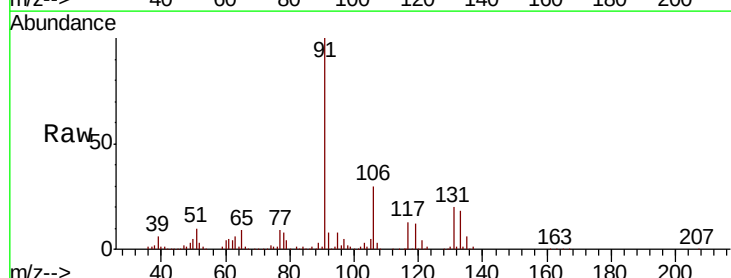
Instrument :
MSVOA_D
ClientSampleId :

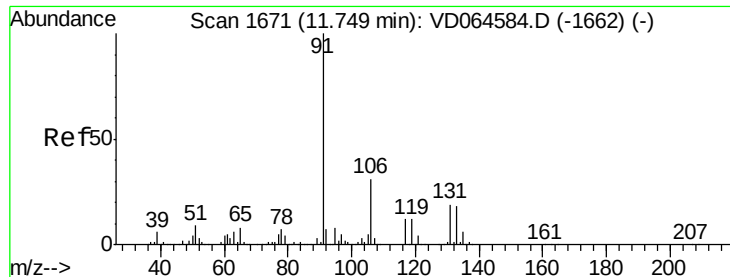
Tot Ion:112 Resp: 580438
Ion Ratio Lower Upper
112 100
114 31.0 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 51.635 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Tgt Ion:131 Resp: 216933
Ion Ratio Lower Upper
131 100
133 96.5 48.3 144.8
119 64.2 32.1 96.3





#67

Ethyl Benzene

Concen: 51.729 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Instrument :

MSVOA_D

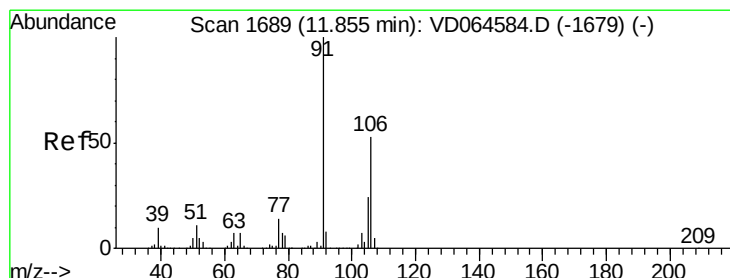
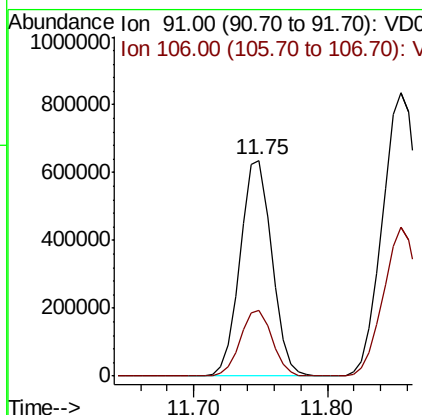
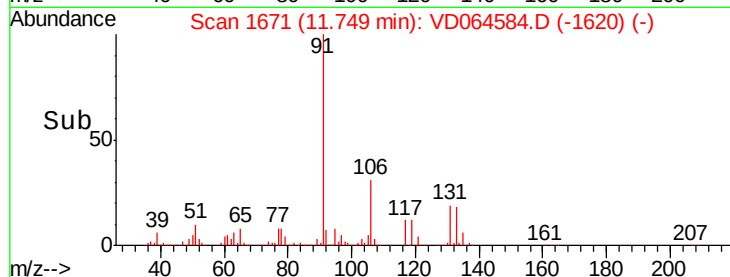
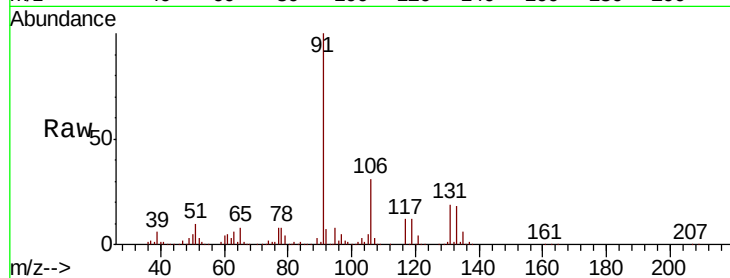
ClientSampled :

Tot Ion: 91 Resp: 1048589

Ion Ratio Lower Upper

91 100

106 30.7 24.6 36.8



#68

m/p-Xylenes

Concen: 105.887 ug/l

RT: 11.85 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064584.D

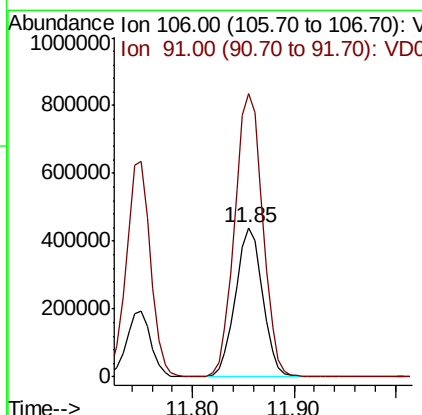
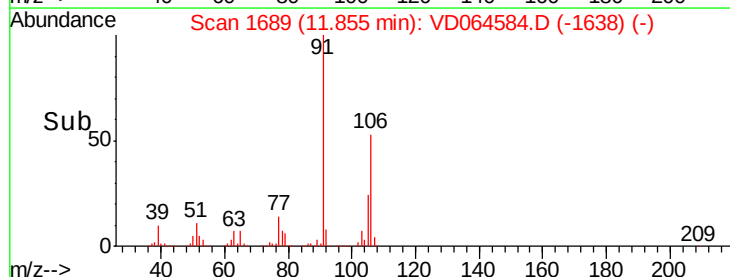
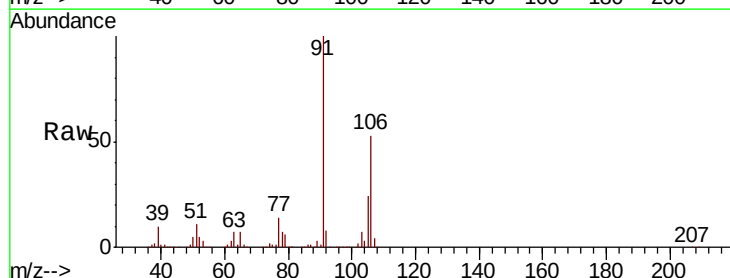
Acq: 24 Dec 2019 11:46

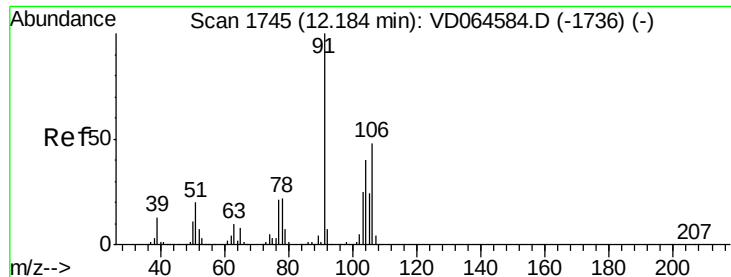
Tgt Ion: 106 Resp: 820674

Ion Ratio Lower Upper

106 100

91 195.4 156.3 234.5

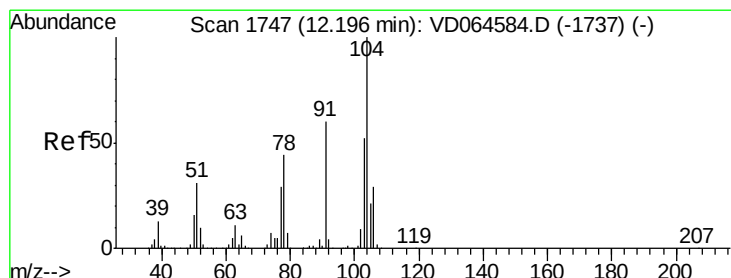
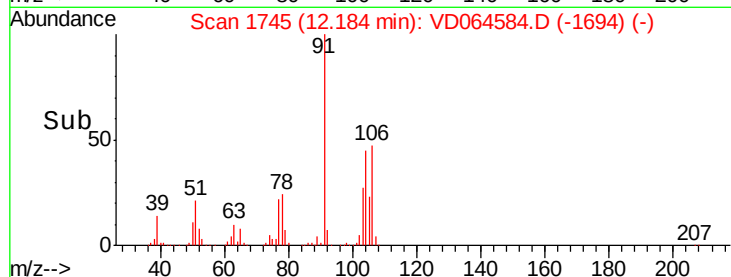
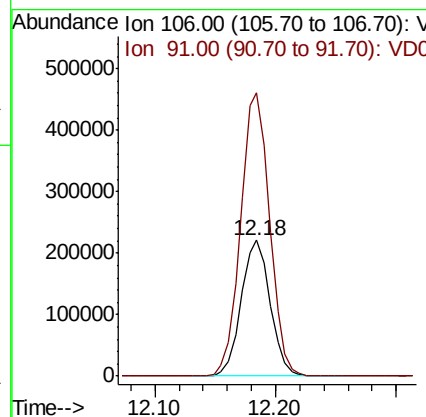
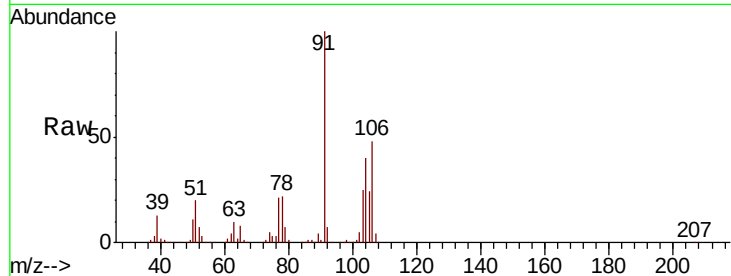




#69
o-Xylene
Concen: 51.728 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

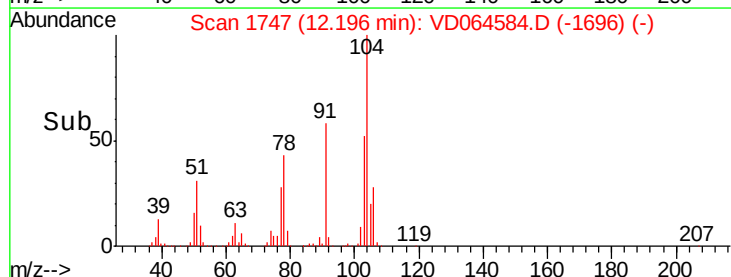
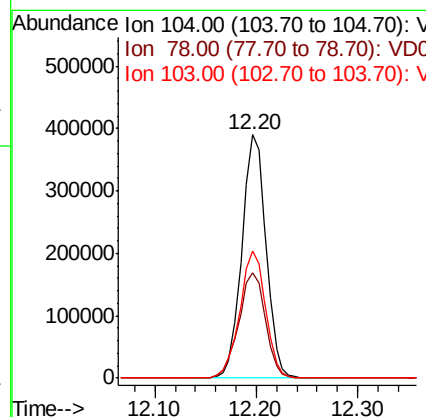
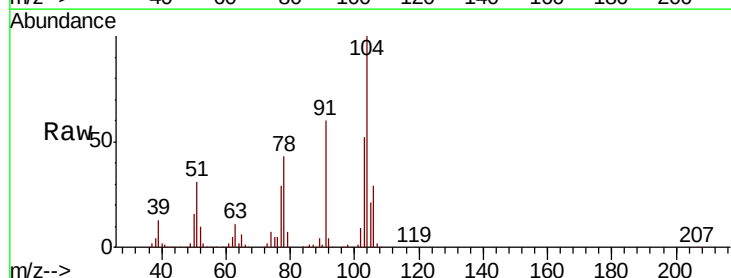
Instrument :
MSVOA_D
ClientSampleId :

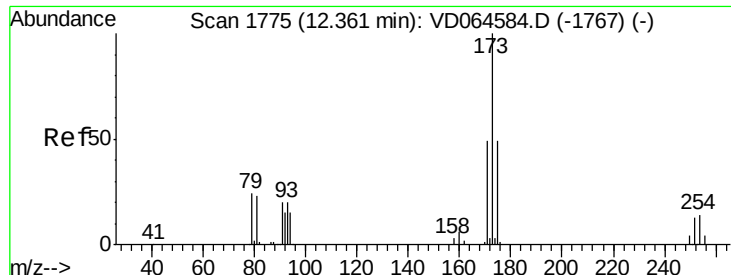
Tot Ion:106 Resp: 368439
Ion Ratio Lower Upper
106 100
91 209.6 104.8 314.4



#70
Styrene
Concen: 52.093 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Tgt Ion:104 Resp: 646119
Ion Ratio Lower Upper
104 100
78 47.7 38.2 57.2
103 55.8 44.6 67.0

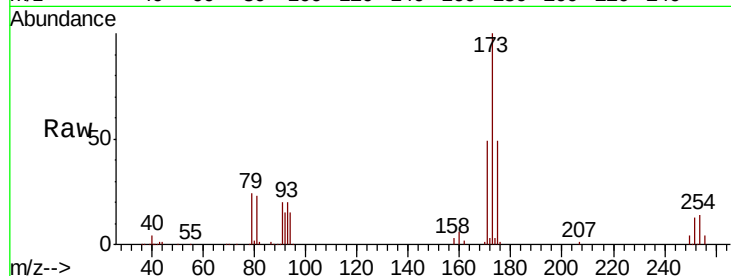




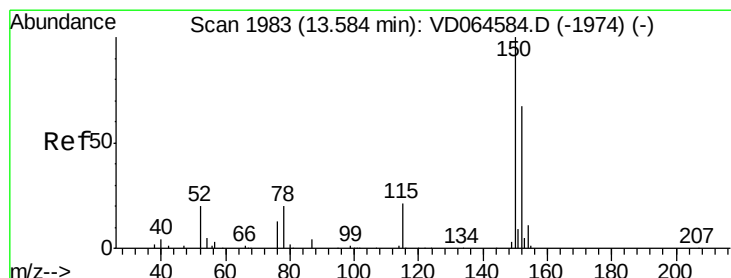
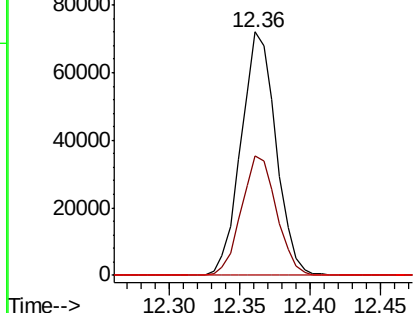
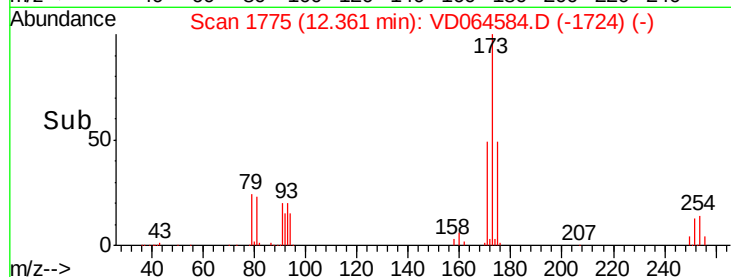
#71
Bromoform
Concen: 49.794 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 124881
Ion Ratio Lower Upper
173 100
175 49.2 24.6 73.8
254 0.1 0.1 0.1

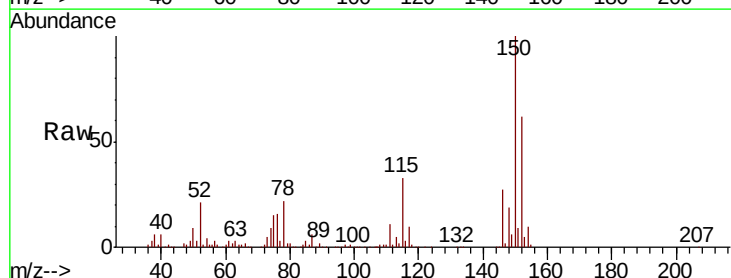


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

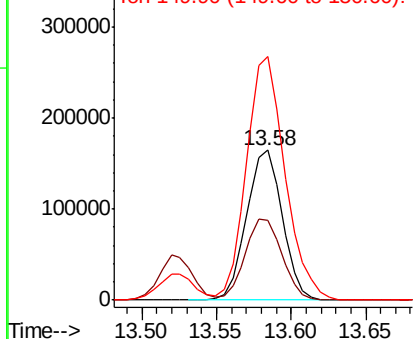
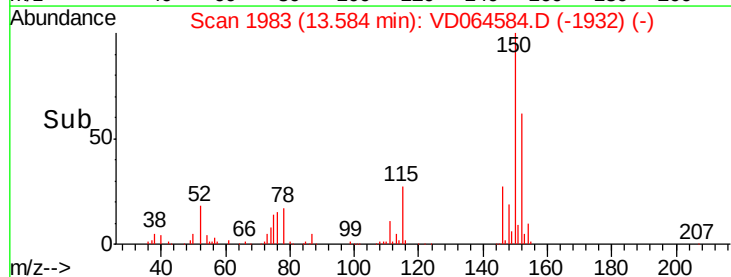


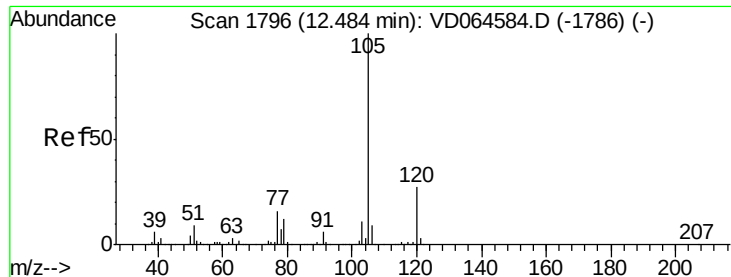
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Tgt Ion:152 Resp: 272142
Ion Ratio Lower Upper
152 100
115 55.6 27.8 83.4
150 175.7 0.0 351.4



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





#73

Isopropylbenzene

Concen: 51.516 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Instrument :

MSVOA_D

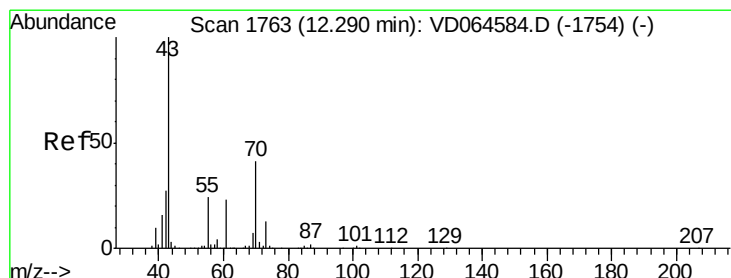
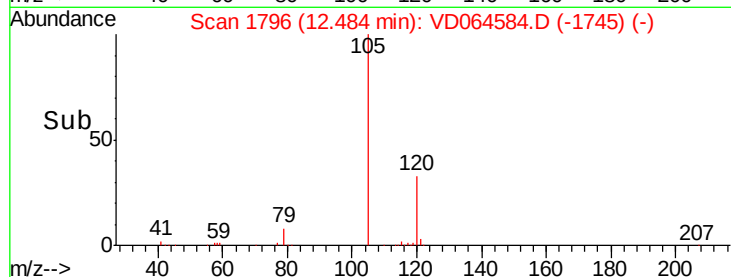
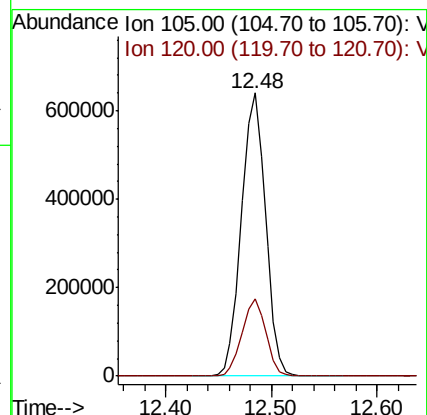
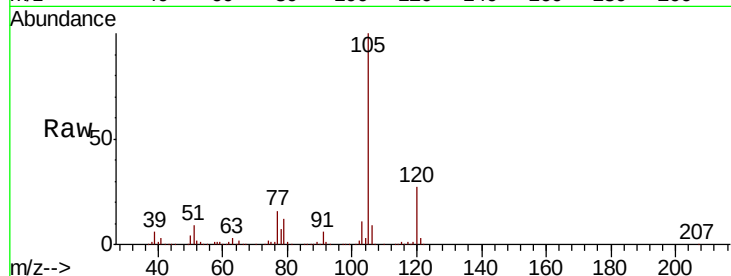
ClientSampleId :

Tot Ion:105 Resp: 1011215

Ion Ratio Lower Upper

105 100

120 27.0 13.5 40.5



#74

N-ethyl acetate

Concen: 49.914 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Tgt Ion: 43 Resp: 219747

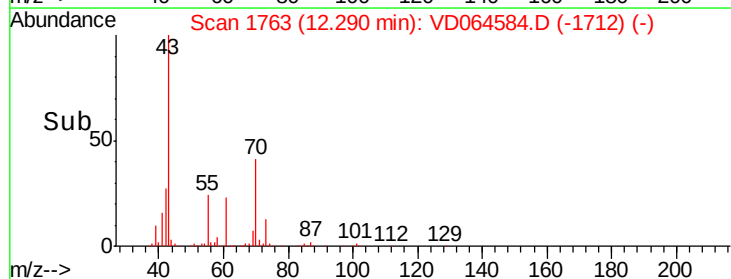
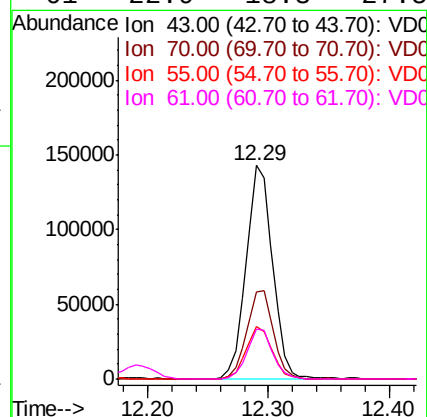
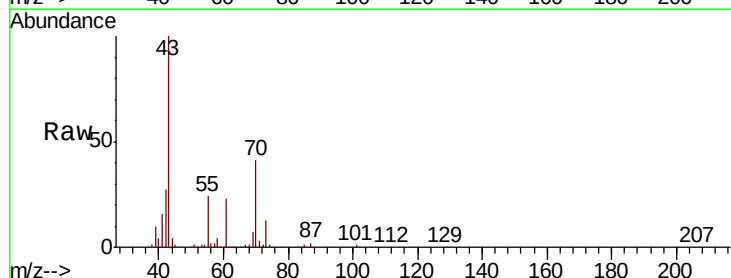
Ion Ratio Lower Upper

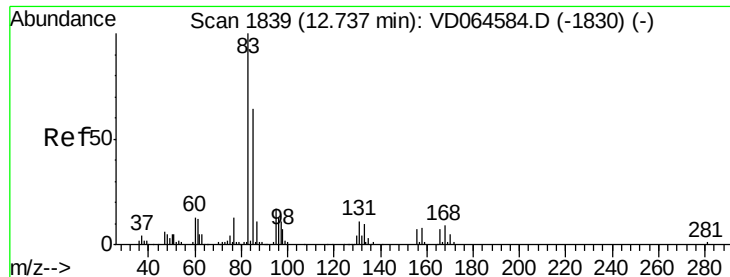
43 100

70 41.7 33.4 50.0

55 24.2 19.4 29.0

61 22.9 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 48.859 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

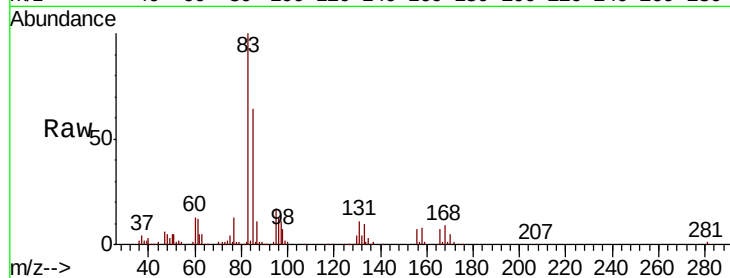
Tot Ion: 83 Resp: 156732

Ion Ratio Lower Upper

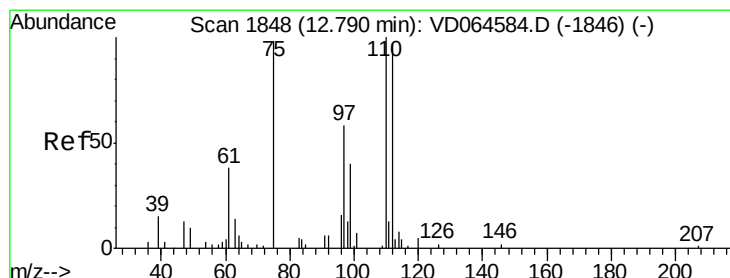
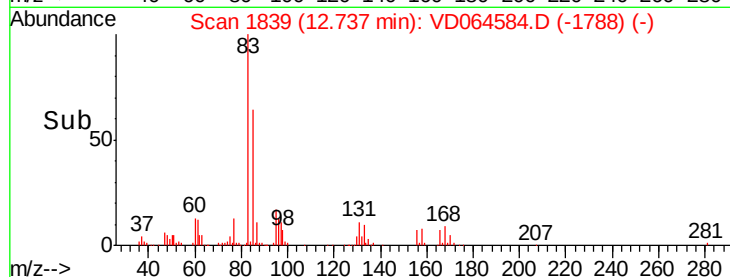
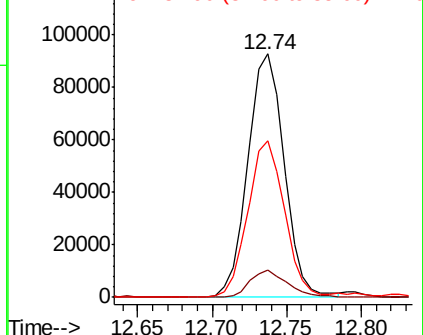
83 100

131 11.6 5.8 17.4

85 64.6 32.3 96.9



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



#76

1,2,3-Trichloropropane

Concen: 94.857 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064584.D

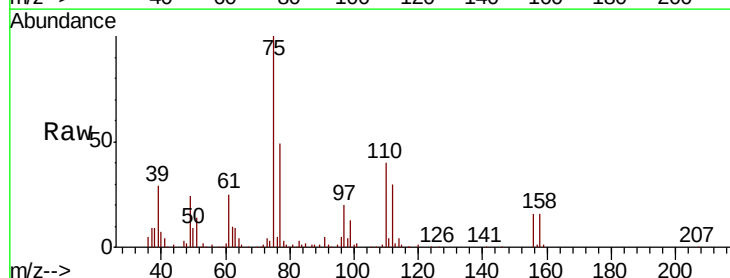
Acq: 24 Dec 2019 11:46

Tgt Ion: 75 Resp: 208056

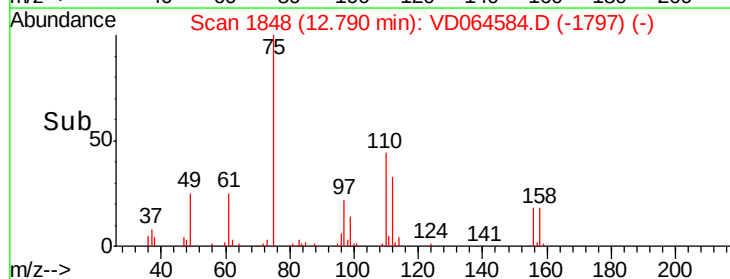
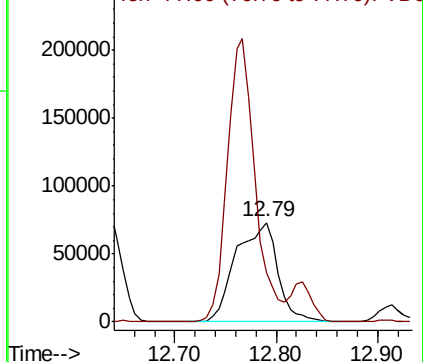
Ion Ratio Lower Upper

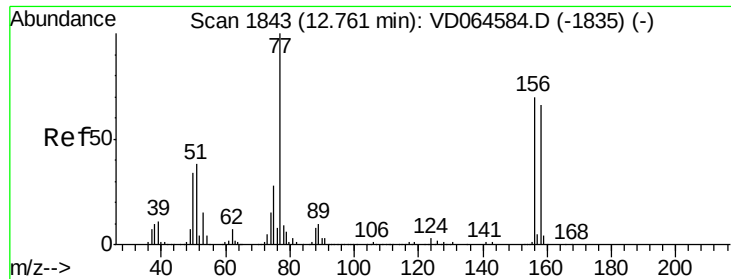
75 100

77 0.0 0.0 0.0



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

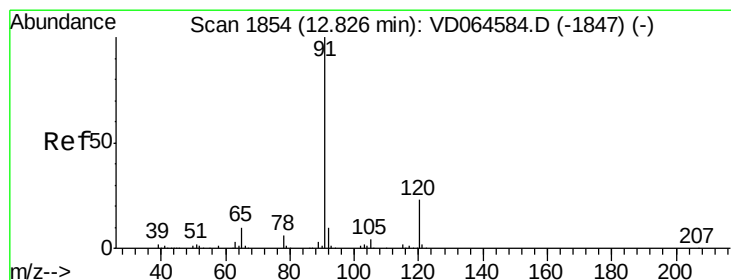
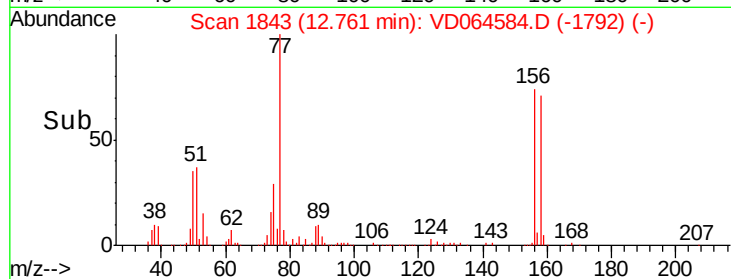
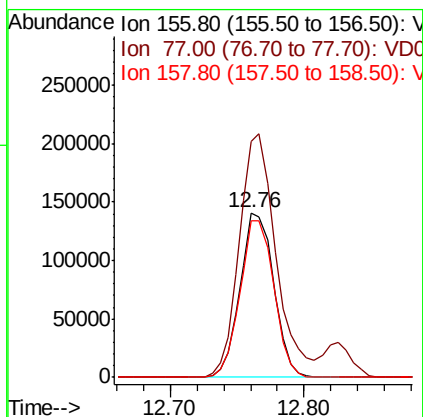
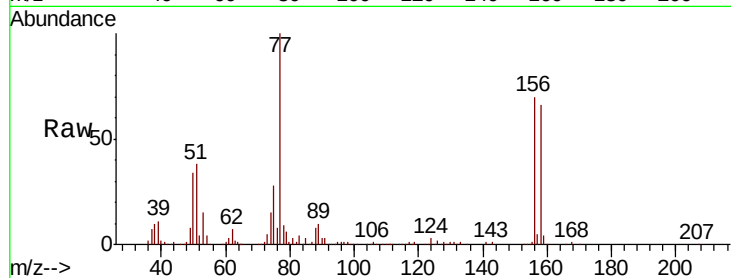




#77
Bromobenzene
Concen: 50.770 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

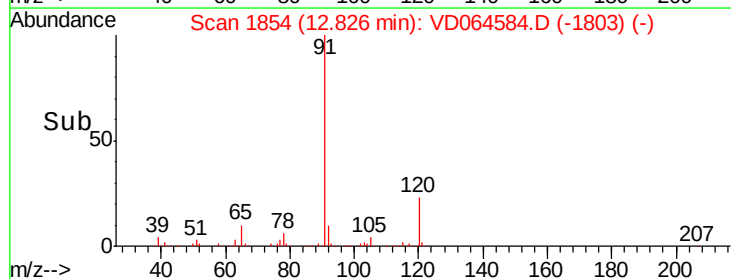
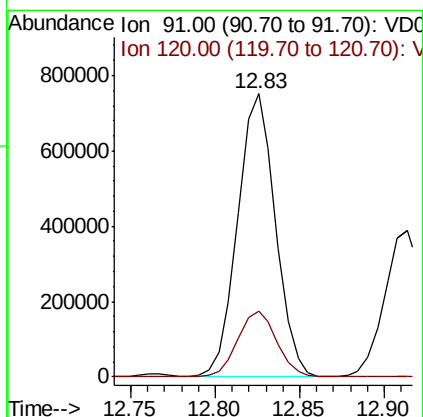
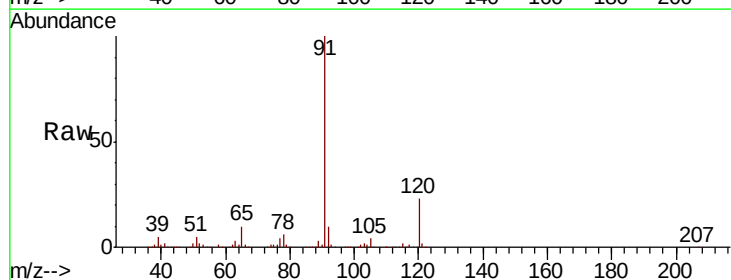
Instrument :
MSVOA_D
ClientSampleId :

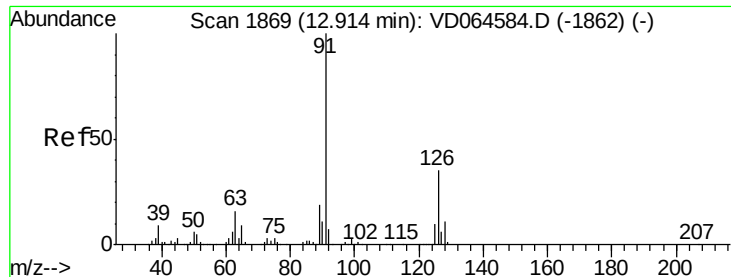
Tot Ion:156 Resp: 244999
Ion Ratio Lower Upper
156 100
77 161.8 80.9 242.7
158 96.1 48.0 144.2



#78
n-propylbenzene
Concen: 51.635 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Tgt Ion: 91 Resp: 1170274
Ion Ratio Lower Upper
91 100
120 23.9 11.9 35.9





#79

2-Chlorotoluene

Concen: 51.155 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Instrument :

MSVOA_D

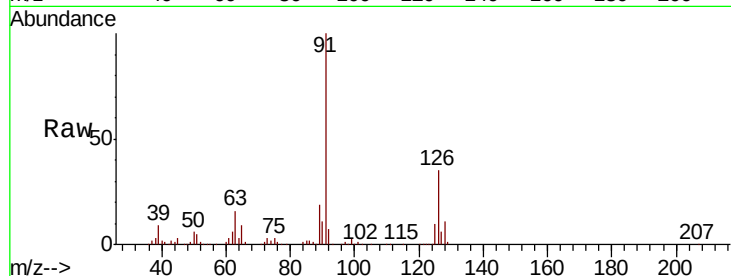
ClientSampled :

Tot Ion: 91 Resp: 636744

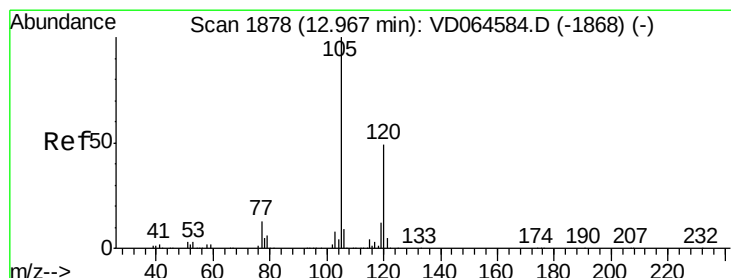
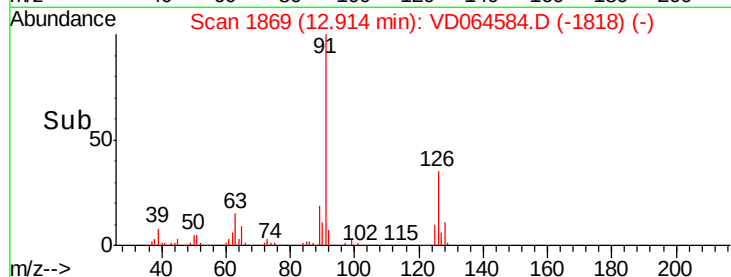
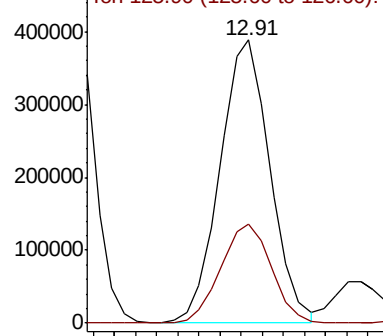
Ion Ratio Lower Upper

91 100

126 35.7 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 51.905 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064584.D

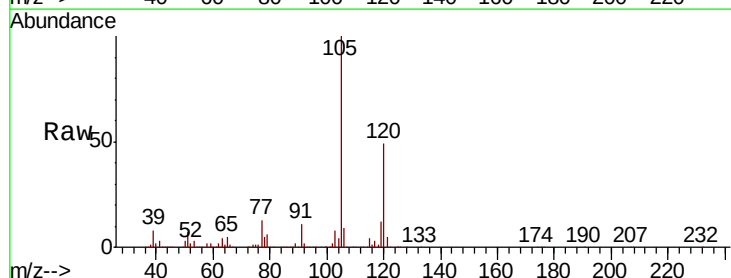
Acq: 24 Dec 2019 11:46

Tgt Ion:105 Resp: 832645

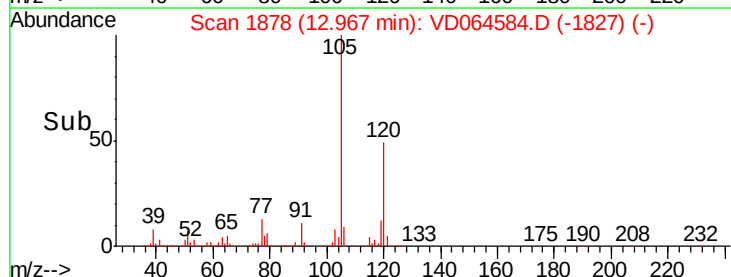
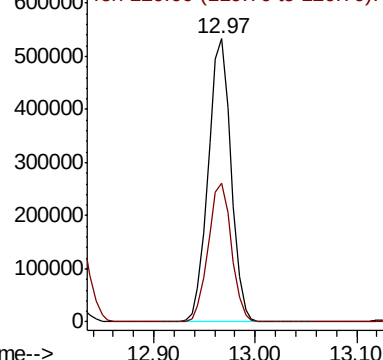
Ion Ratio Lower Upper

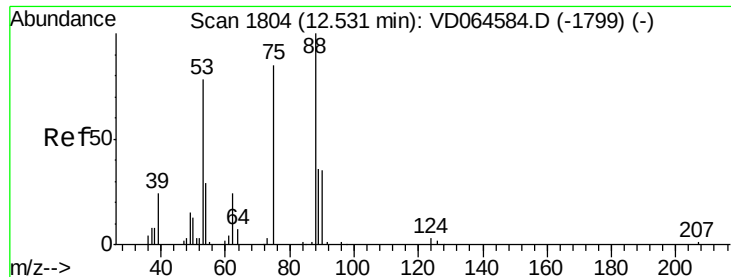
105 100

120 50.0 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 51.266 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

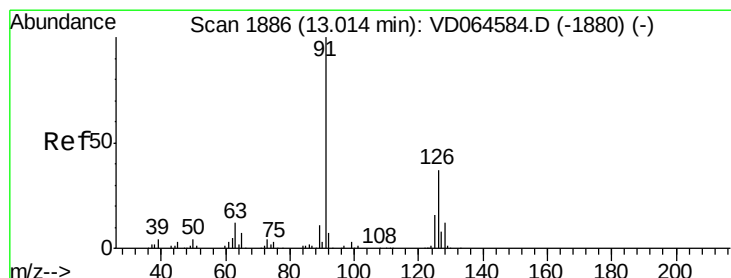
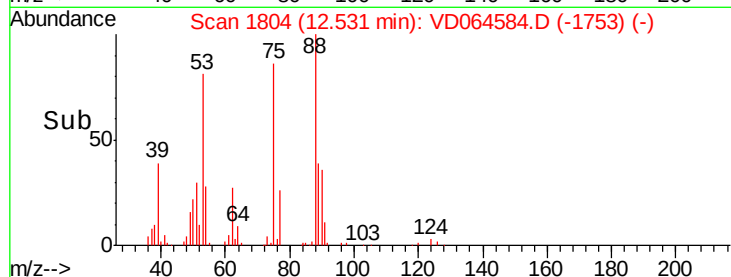
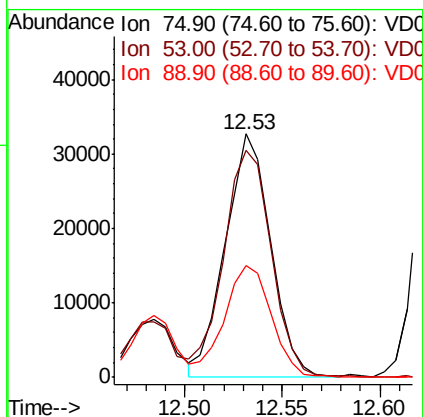
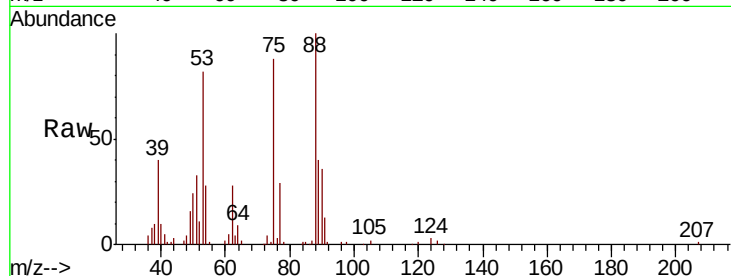
Tot Ion: 75 Resp: 52598

Ion Ratio Lower Upper

75 100

53 98.5 78.8 118.2

89 47.9 38.3 57.5



#82

4-Chlorotoluene

Concen: 51.237 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD064584.D

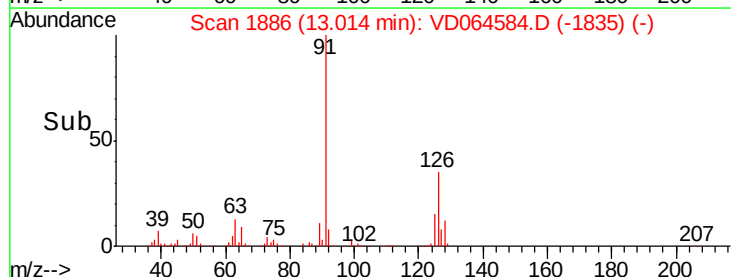
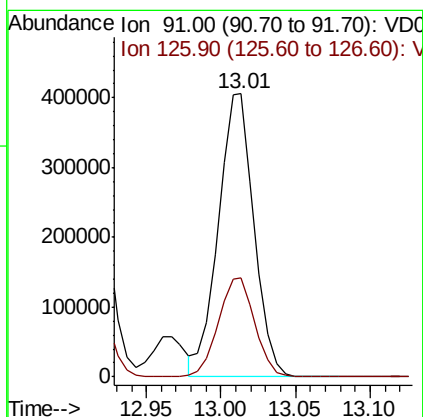
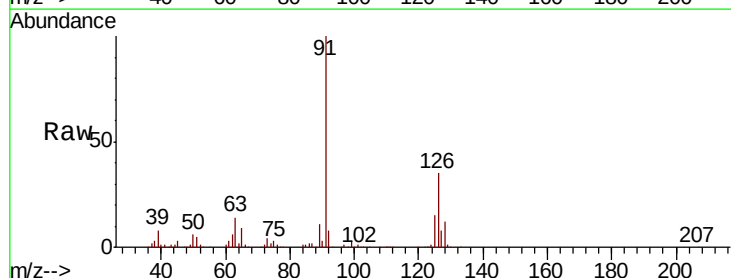
Acq: 24 Dec 2019 11:46

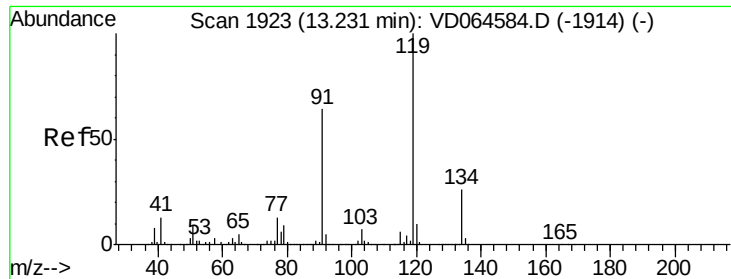
Tgt Ion: 91 Resp: 676396

Ion Ratio Lower Upper

91 100

126 35.7 17.8 53.5

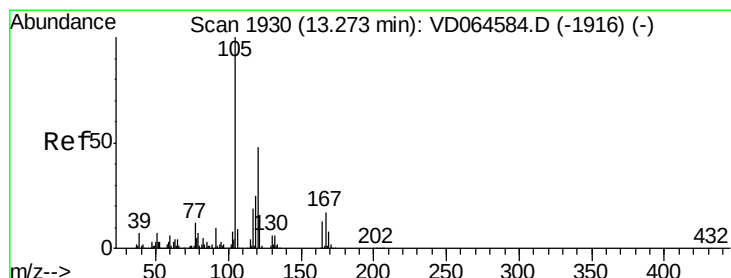
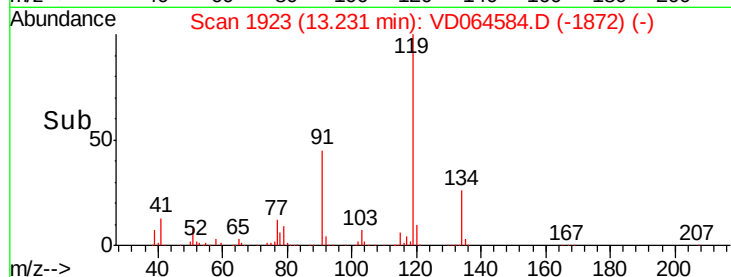
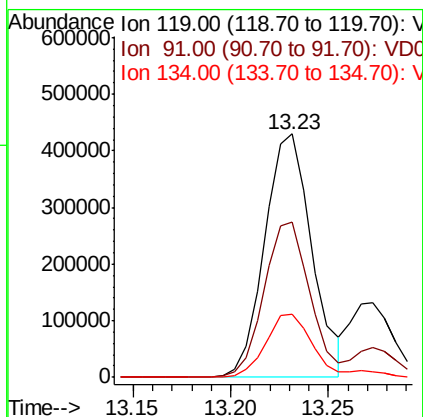
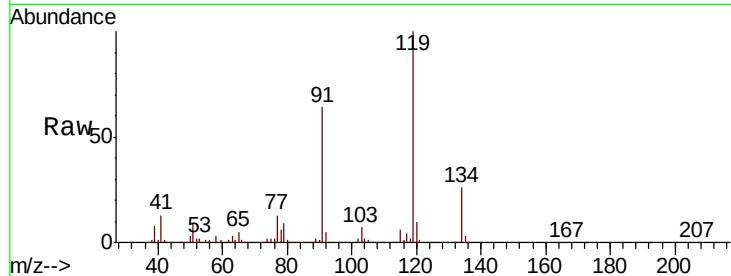




#83
 tert-Butylbenzene
 Concen: 51.745 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064584.D
 Acq: 24 Dec 2019 11:46

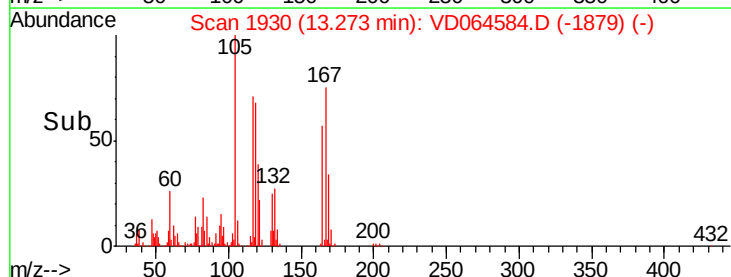
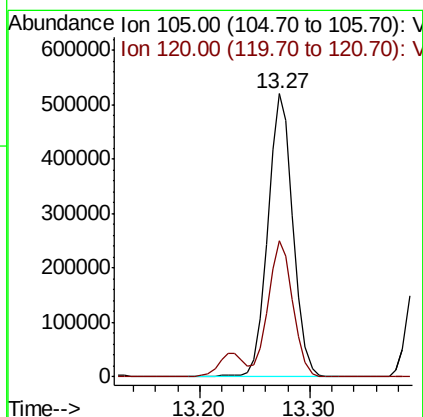
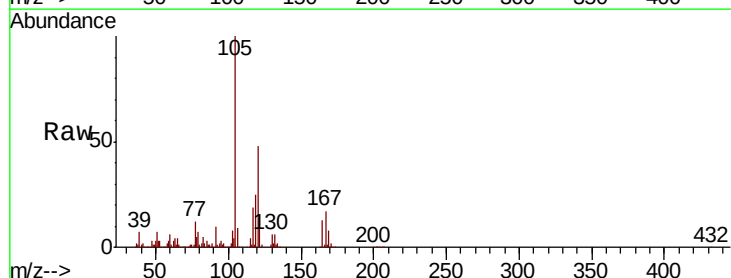
Instrument :
 MSVOA_D
 ClientSampled :

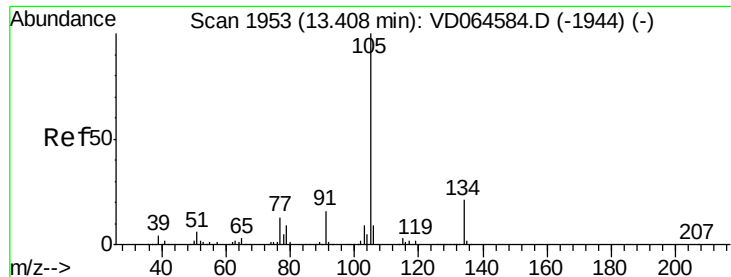
Tot Ion:119 Resp: 722051
 Ion Ratio Lower Upper
 119 100
 91 61.6 30.8 92.4
 134 25.5 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 51.085 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064584.D
 Acq: 24 Dec 2019 11:46

Tgt Ion:105 Resp: 823830
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.8 71.2





#85

sec-Butylbenzene

Concen: 51.599 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

Instrument :

MSVOA_D

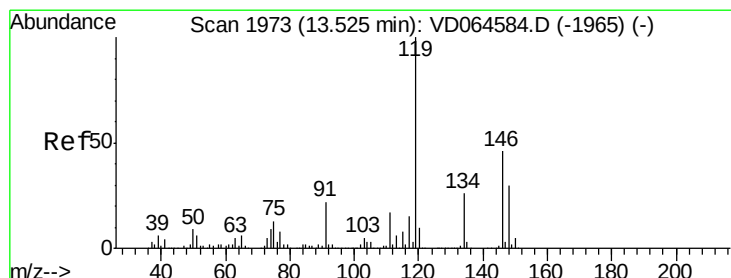
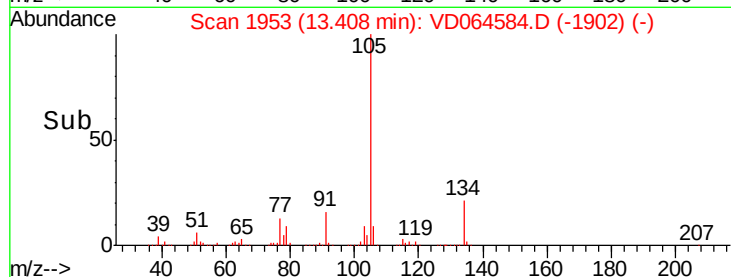
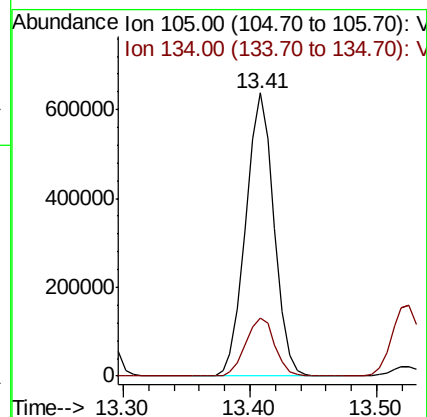
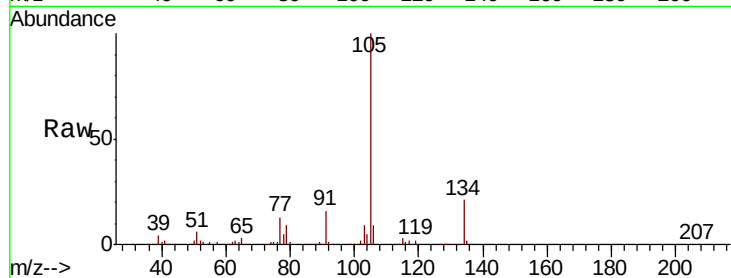
ClientSampleId :

Tot Ion:105 Resp: 986702

Ion Ratio Lower Upper

105 100

134 21.2 10.6 31.8



#86

p-Isopropyltoluene

Concen: 52.401 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064584.D

Acq: 24 Dec 2019 11:46

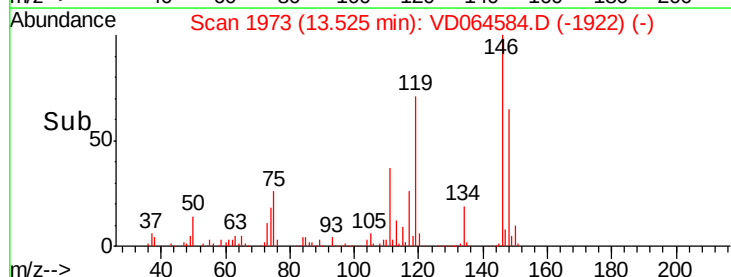
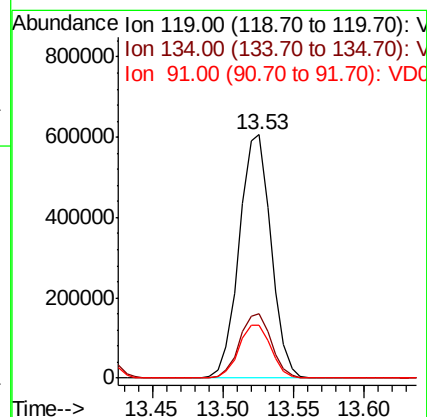
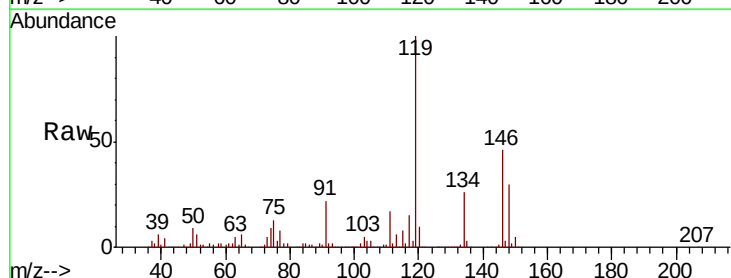
Tgt Ion:119 Resp: 950098

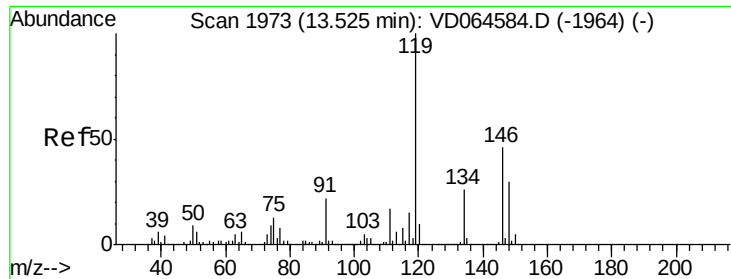
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

91 22.4 11.2 33.6

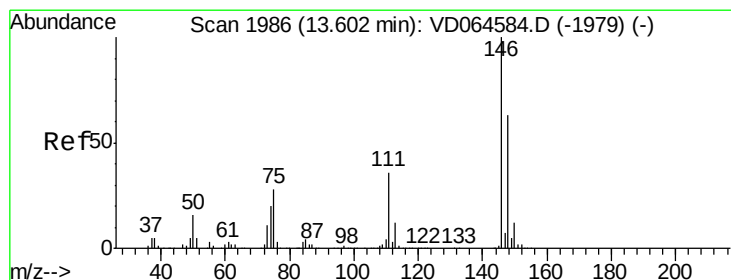
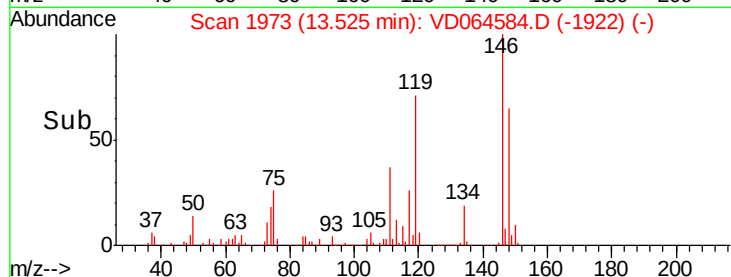
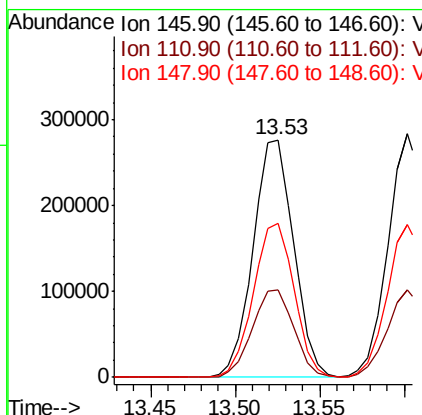
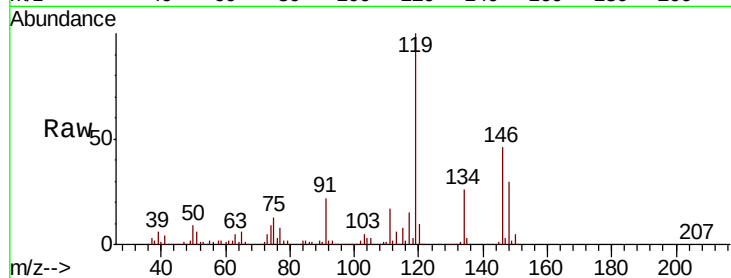




#87
 1,3-Dichlorobenzene
 Concen: 50.485 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064584.D
 Acq: 24 Dec 2019 11:46

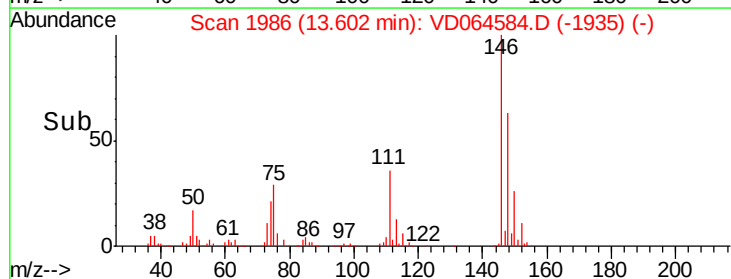
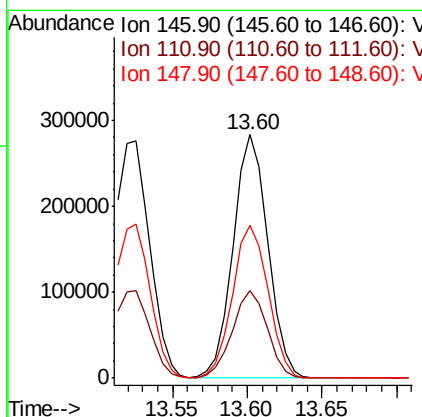
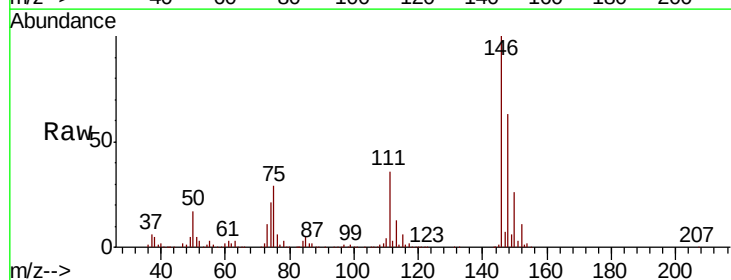
Instrument :
 MSVOA_D
 ClientSampleId :

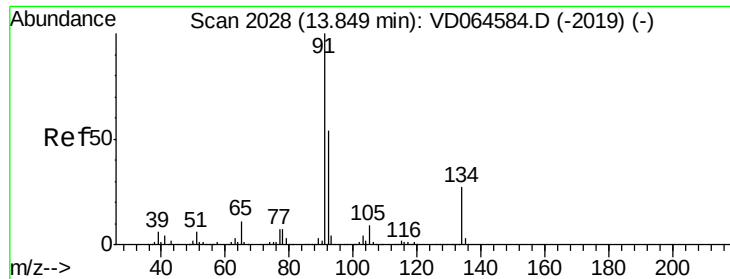
Tot Ion:146 Resp: 463400
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.8 56.4
 148 65.0 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 50.728 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064584.D
 Acq: 24 Dec 2019 11:46

Tgt Ion:146 Resp: 459956
 Ion Ratio Lower Upper
 146 100
 111 36.1 18.1 54.1
 148 64.6 32.3 96.9

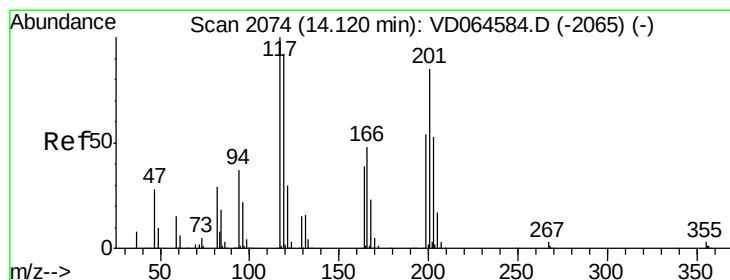
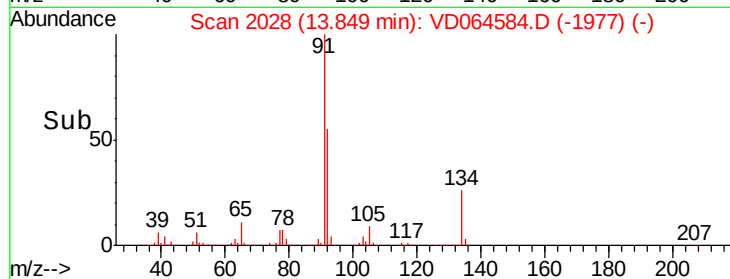
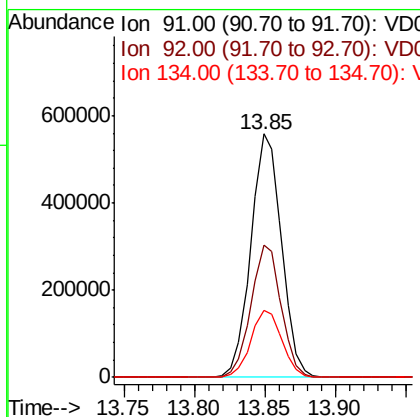
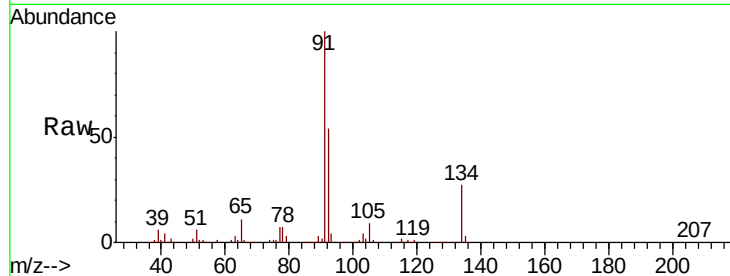




#89
n-Butylbenzene
Concen: 51.927 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

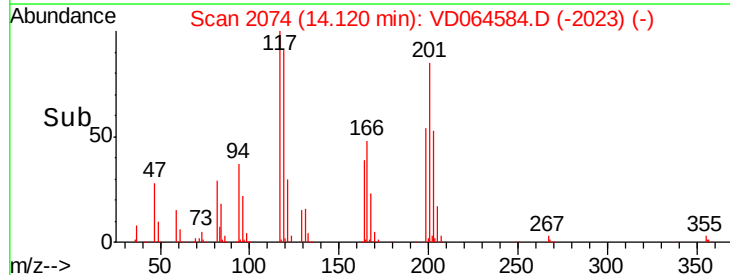
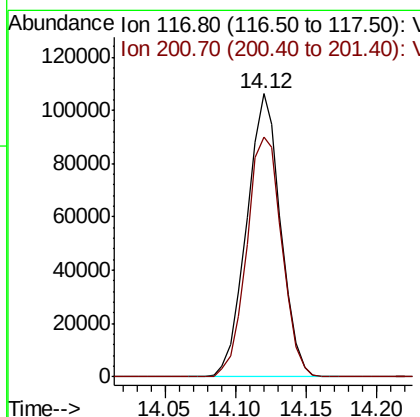
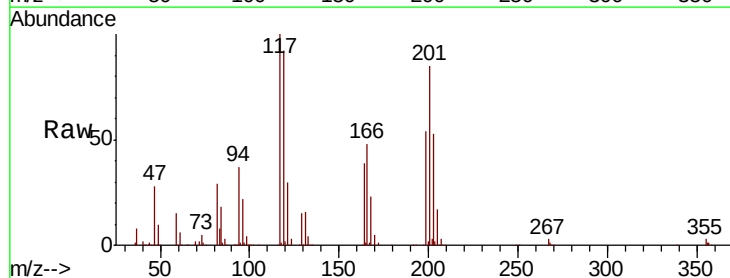
Instrument :
MSVOA_D
ClientSampleId :

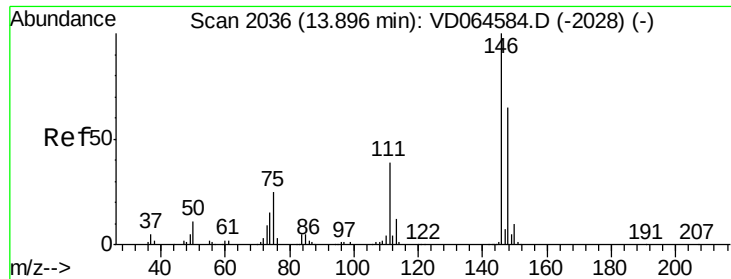
Tot Ion: 91 Resp: 852100
Ion Ratio Lower Upper
91 100
92 53.6 26.8 80.4
134 27.9 14.0 41.9



#90
Hexachloroethane
Concen: 52.703 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Tgt Ion: 117 Resp: 178908
Ion Ratio Lower Upper
117 100
201 87.9 44.0 131.8

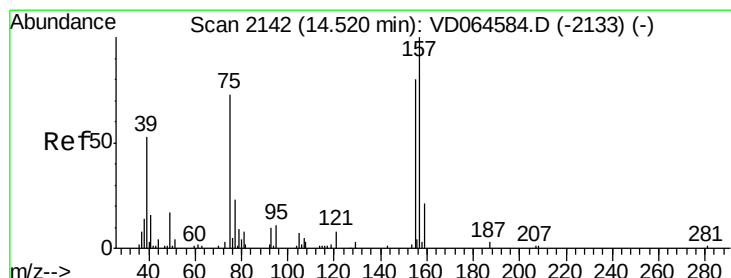
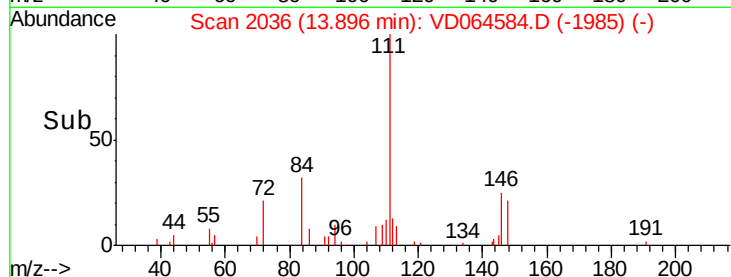
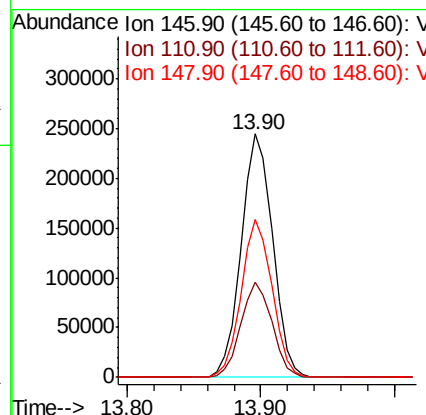
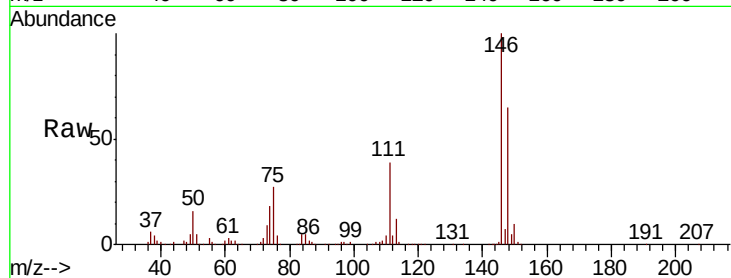




#91
 1,2-Dichlorobenzene
 Concen: 50.889 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064584.D
 Acq: 24 Dec 2019 11:46

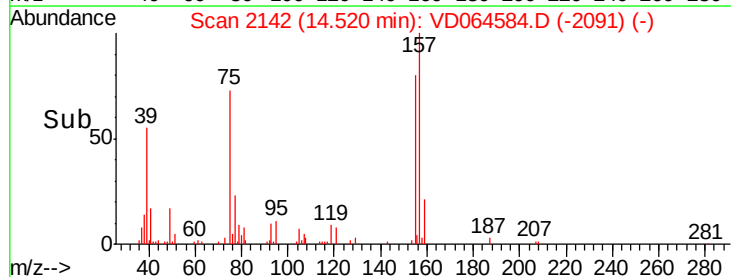
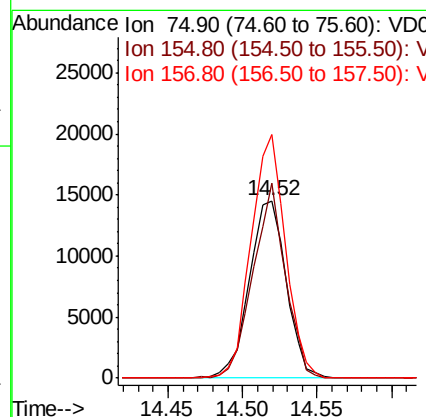
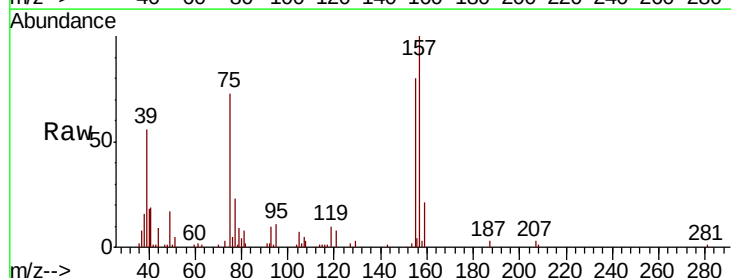
Instrument :
 MSVOA_D
 ClientSampleId :

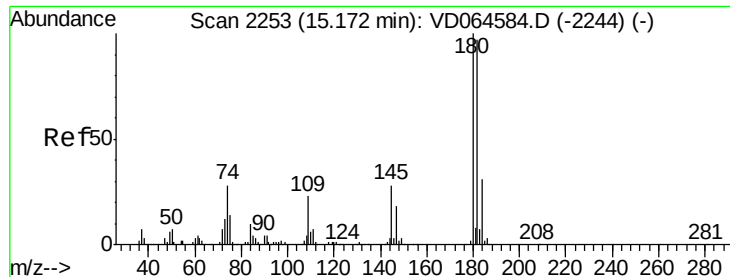
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.3	57.9
148	63.7	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.899 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064584.D
 Acq: 24 Dec 2019 11:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.0	48.0	144.0
157	128.2	64.1	192.3

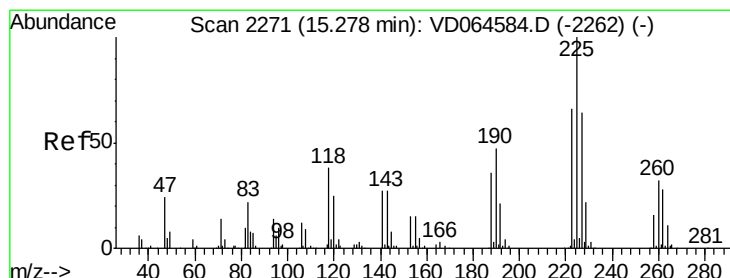
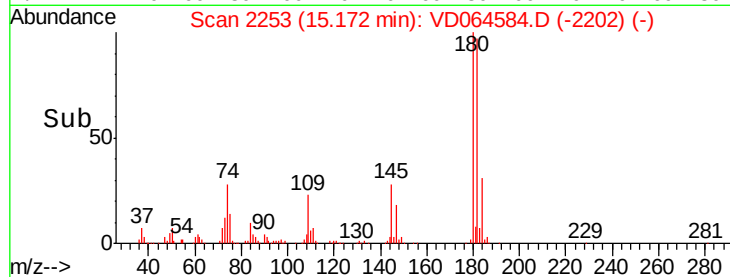
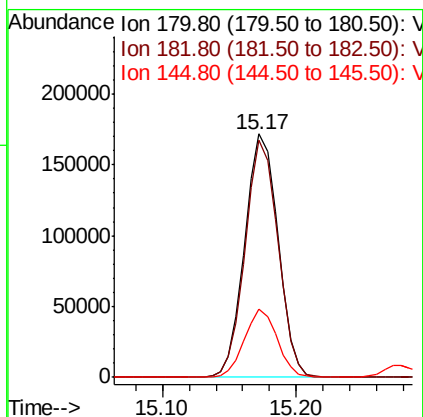
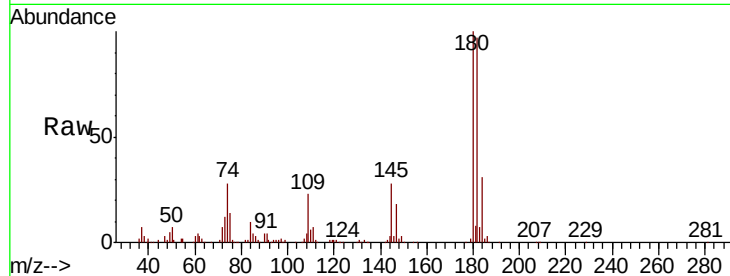




#93
 1,2,4-Trichlorobenzene
 Concen: 49.543 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064584.D
 Acq: 24 Dec 2019 11:46

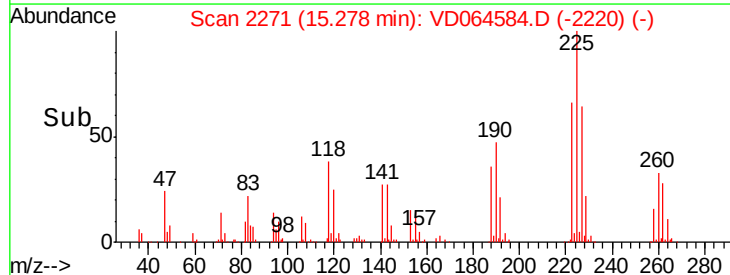
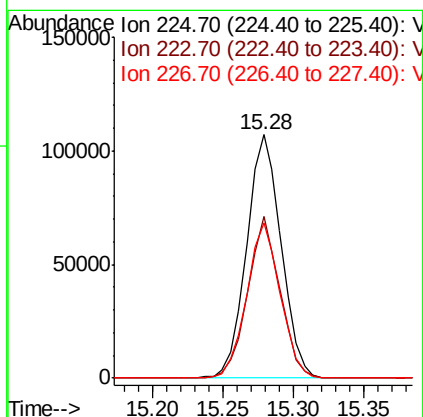
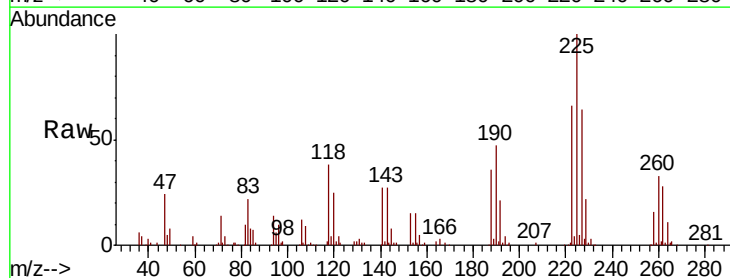
Instrument :
 MSVOA_D
 ClientSampleId :

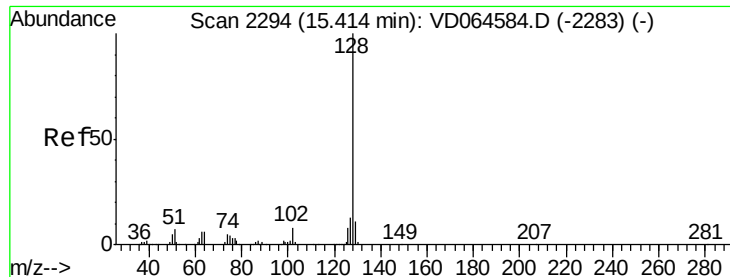
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.0	144.2
145	27.6	13.8	41.4



#94
 Hexachlorobutadiene
 Concen: 49.909 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064584.D
 Acq: 24 Dec 2019 11:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	31.1	93.2
227	61.8	30.9	92.7

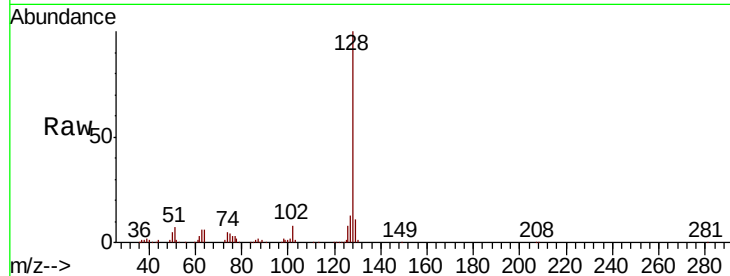




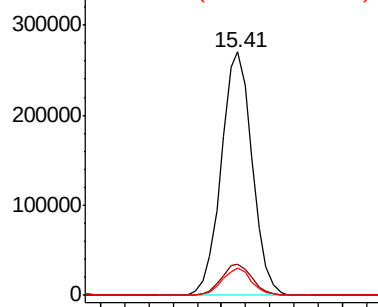
#95
Naphthalene
Concen: 48.715 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Instrument :
MSVOA_D
ClientSampleId :

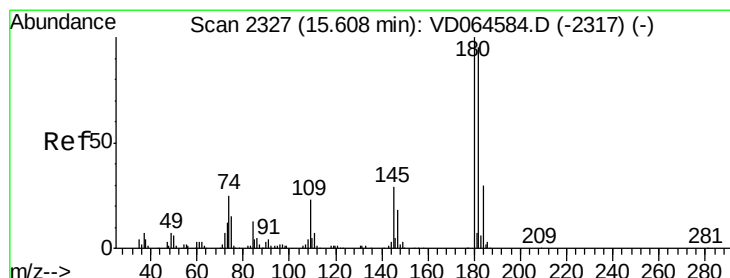
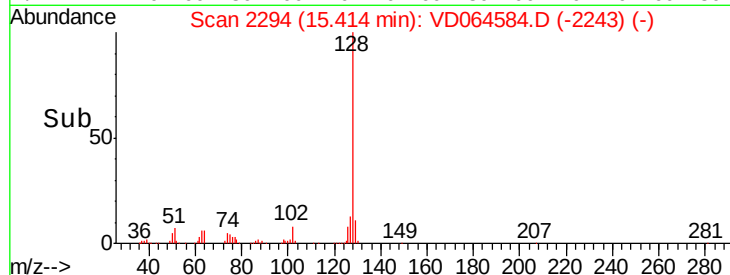
Tot Ion:128 Resp: 483301
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.6 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

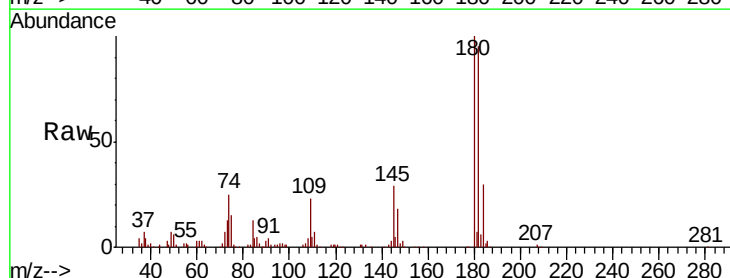


Time--> 15.30 15.40 15.50

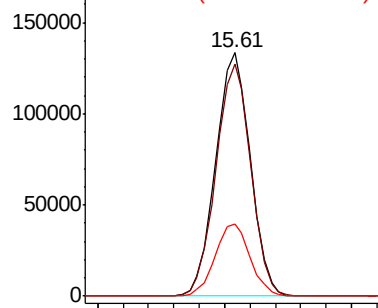


#96
1,2,3-Trichlorobenzene
Concen: 49.806 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064584.D
Acq: 24 Dec 2019 11:46

Tgt Ion:180 Resp: 253453
Ion Ratio Lower Upper
180 100
182 95.8 47.9 143.7
145 29.8 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V



Time--> 15.50 15.60 15.70

