

Data File : VD064495.D
Acq On : 11 Dec 2019 12:25
Operator : VA/SY
Sample : VD1211SBS01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Quant Time: Dec 12 03:03:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	419255	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	619084	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	555982	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	263558	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	205154	54.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.12%	
35) Dibromofluoromethane	7.92	113	214807	55.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.14%	
50) Toluene-d8	10.34	98	839166	57.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.22%	
62) 4-Bromofluorobenzene	12.64	95	260002	55.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	80334	21.147	ug/l	97
3) Chloromethane	2.21	50	104092	21.725	ug/l	98
4) Vinyl Chloride	2.35	62	118739	21.463	ug/l	99
5) Bromomethane	2.76	94	84360	20.620	ug/l	89
6) Chloroethane	2.92	64	82002	22.176	ug/l	94
7) Trichlorofluoromethane	3.27	101	204235	22.207	ug/l	99
8) Diethyl Ether	3.70	74	39100	20.459	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	88559	22.458	ug/l	96
10) Methyl Iodide	4.30	142	81438	19.556	ug/l	96
11) Tert butyl alcohol	5.24	59	22332	92.448	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	79861	21.133	ug/l	93
13) Acrolein	3.92	56	27034	82.049	ug/l	97
14) Allyl chloride	4.71	41	124467	21.105	ug/l	98
15) Acrylonitrile	5.43	53	79264	94.846	ug/l	99
16) Acetone	4.17	43	73722	96.134	ug/l	95
17) Carbon Disulfide	4.40	76	256445	21.427	ug/l	99
18) Methyl Acetate	4.72	43	42127	18.833	ug/l	96
19) Methyl tert-butyl Ether	5.49	73	170971	19.724	ug/l	97
20) Methylene Chloride	4.96	84	98638	22.905	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	92790	21.707	ug/l	94
22) Diisopropyl ether	6.37	45	243511	20.916	ug/l	96
23) Vinyl Acetate	6.31	43	668957	97.464	ug/l	98
24) 1,1-Dichloroethane	6.26	63	151261	21.604	ug/l	99
25) 2-Butanone	7.23	43	102353	94.377	ug/l	96
26) 2,2-Dichloropropane	7.21	77	136955	22.492	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	97546	20.931	ug/l	97
28) Bromochloromethane	7.55	49	42204	17.638	ug/l	96
29) Tetrahydrofuran	7.57	42	62925	91.197	ug/l	98
30) Chloroform	7.71	83	154899	21.362	ug/l	98
31) Cyclohexane	7.98	56	146453	21.327	ug/l #	90
32) 1,1,1-Trichloroethane	7.90	97	146611	21.808	ug/l	99
36) 1,1-Dichloropropene	8.11	75	125025	21.351	ug/l	99
37) Ethyl Acetate	7.30	43	47992	19.315	ug/l	99
38) Carbon Tetrachloride	8.09	117	136855	22.144	ug/l	95

Data File : VD064495.D
Acq On : 11 Dec 2019 12:25
Operator : VA/SY
Sample : VD1211SBS01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Quant Time: Dec 12 03:03:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	152099	20.940	ug/l	98
40) Benzene	8.35	78	338773	20.830	ug/l	98
41) Methacrylonitrile	7.53	41	27977	19.634	ug/l	90
42) 1,2-Dichloroethane	8.43	62	96508	20.348	ug/l	98
43) Isopropyl Acetate	8.46	43	90505	18.526	ug/l	98
44) Trichloroethene	9.11	130	98681	20.143	ug/l	95
45) 1,2-Dichloropropane	9.38	63	81494	20.952	ug/l	100
46) Dibromomethane	9.47	93	44227	20.146	ug/l	98
47) Bromodichloromethane	9.66	83	118429	20.995	ug/l	100
48) Methyl methacrylate	9.46	41	41940	18.761	ug/l	95
49) 1,4-Dioxane	9.47	88	10427	384.640	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	221247	91.529	ug/l	100
52) Toluene	10.40	92	224103	21.143	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	107729	20.040	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	131714	20.625	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	60185	20.022	ug/l	94
56) Ethyl methacrylate	10.66	69	70660	18.430	ug/l	99
57) 1,3-Dichloropropane	10.94	76	104164	20.357	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	158964	104.010	ug/l	98
59) 2-Hexanone	10.98	43	150092	89.485	ug/l	99
60) Dibromochloromethane	11.14	129	81790	20.068	ug/l	99
61) 1,2-Dibromoethane	11.25	107	57011	18.995	ug/l	99
64) Tetrachloroethene	10.87	164	87303	20.591	ug/l	97
65) Chlorobenzene	11.67	112	233993	20.179	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	88170	20.540	ug/l	98
67) Ethyl Benzene	11.74	91	419811	20.348	ug/l	99
68) m/p-Xylenes	11.86	106	324144	41.204	ug/l	99
69) o-Xylene	12.18	106	145449	20.019	ug/l	98
70) Styrene	12.20	104	253227	20.057	ug/l	99
71) Bromoform	12.36	173	47013	18.305	ug/l #	99
73) Isopropylbenzene	12.48	105	404664	21.348	ug/l	100
74) N-amyl acetate	12.29	43	81400	18.921	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.73	83	60289	19.233	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	82080	37.870	ug/l #	100
77) Bromobenzene	12.76	156	99992	21.361	ug/l	97
78) n-propylbenzene	12.82	91	472312	21.596	ug/l	100
79) 2-Chlorotoluene	12.91	91	255010	21.190	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	330762	21.353	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	19740	19.859	ug/l	98
82) 4-Chlorotoluene	13.01	91	271131	21.279	ug/l	100
83) tert-Butylbenzene	13.23	119	292166	21.695	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	326475	20.960	ug/l	99
85) sec-Butylbenzene	13.41	105	393389	21.284	ug/l	100
86) p-Isopropyltoluene	13.52	119	367278	21.048	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	185629	20.894	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	183862	20.961	ug/l	100
89) n-Butylbenzene	13.85	91	336241	21.219	ug/l	98
90) Hexachloroethane	14.12	117	71722	21.975	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	155746	20.512	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10161	18.976	ug/l	88

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121119\
Quantitation Report (Not Reviewed)

Data File : VD064495.D
Acq On : 11 Dec 2019 12:25
Operator : VA/SY
Sample : VD1211SBS01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

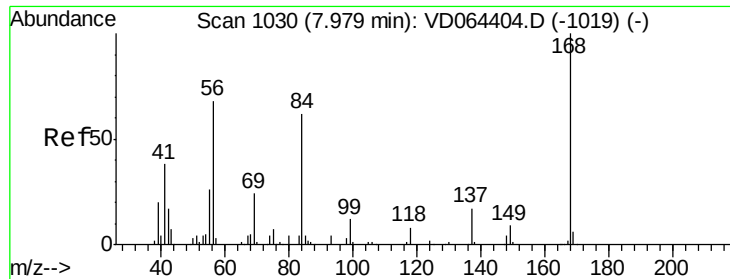
Quant Time: Dec 12 03:03:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	120085	20.651	ug/l	97
94) Hexachlorobutadiene	15.28	225	76163	21.217	ug/l	97
95) Naphthalene	15.41	128	176287	18.166	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	99827	20.112	ug/l	99

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

Quant Time: Dec 12 03:03:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

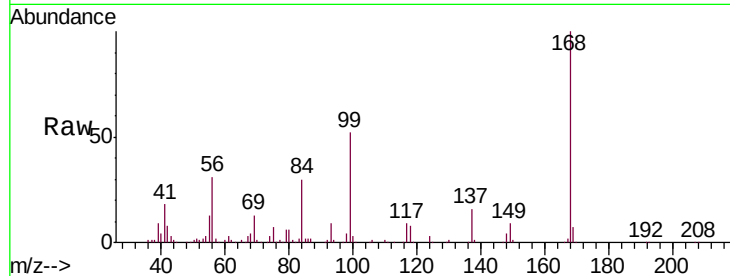
VD1211SBS01

Tgt Ion:168 Resp: 419255

Ion Ratio Lower Upper

168 100

99 51.6 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

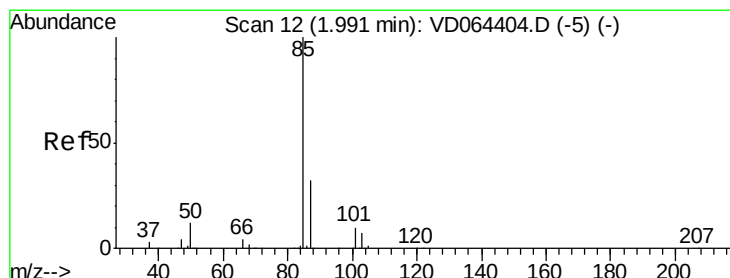
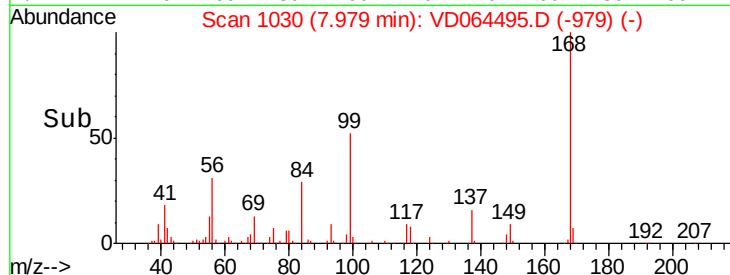
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.147 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064495.D

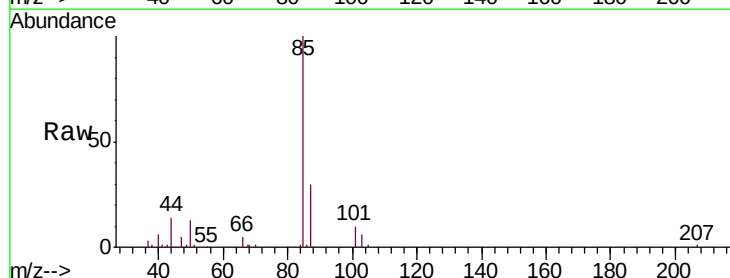
Acq: 11 Dec 2019 12:25

Tgt Ion: 85 Resp: 80334

Ion Ratio Lower Upper

85 100

87 30.2 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

60000

50000

40000

30000

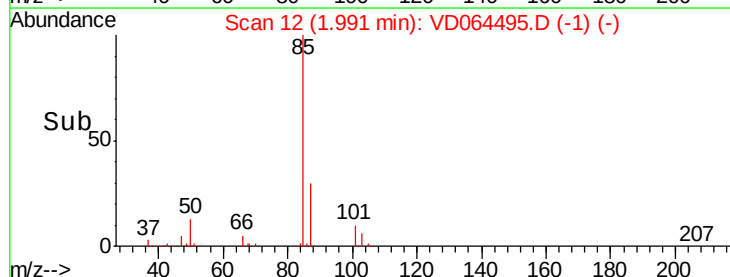
20000

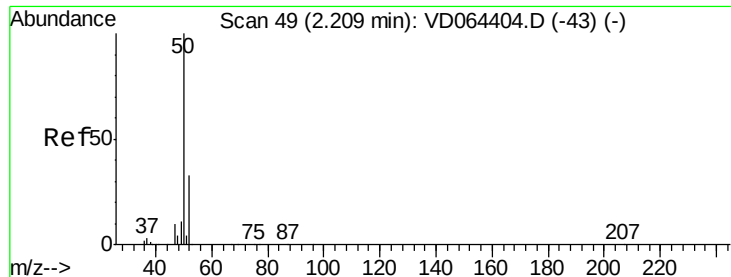
10000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 21.725 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

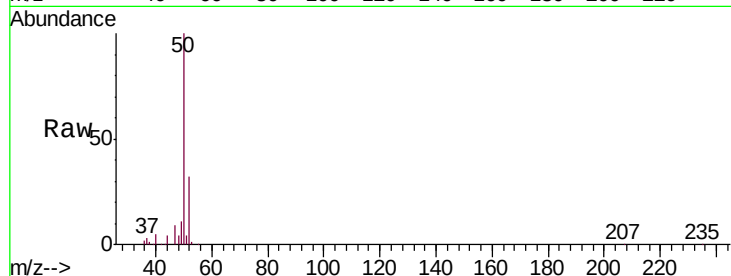
VD1211SBS01

Tgt Ion: 50 Resp: 104092

Ion Ratio Lower Upper

50 100

52 32.4 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

80000

60000

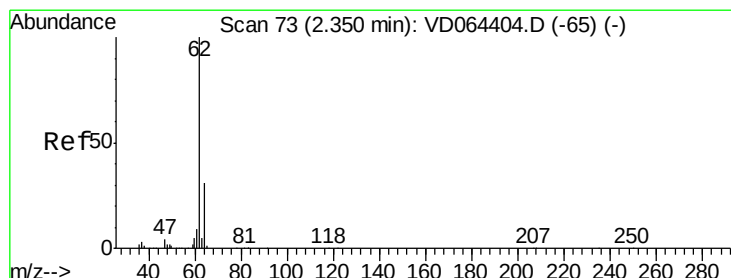
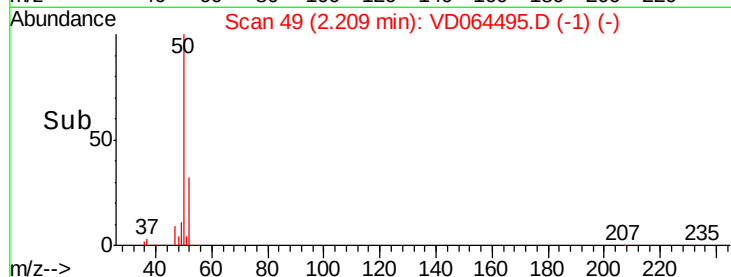
40000

20000

0

Time-->

2.15 2.20 2.25 2.30



#4

Vinyl Chloride

Concen: 21.463 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064495.D

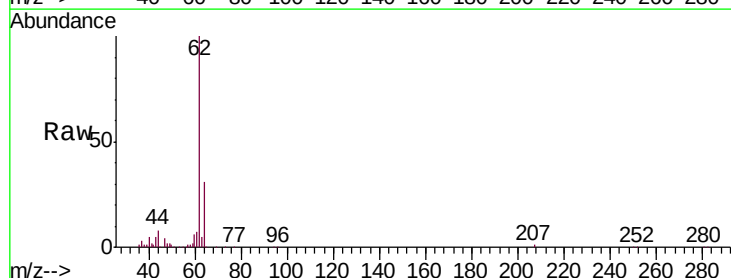
Acq: 11 Dec 2019 12:25

Tgt Ion: 62 Resp: 118739

Ion Ratio Lower Upper

62 100

64 30.6 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

80000

60000

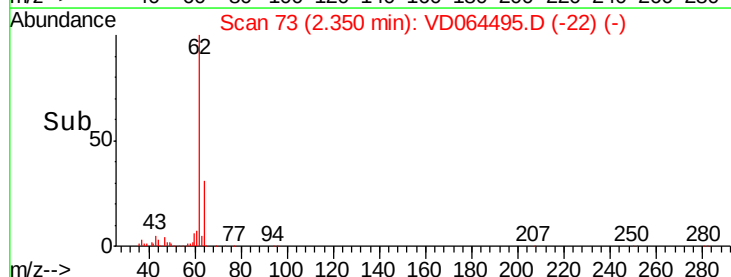
40000

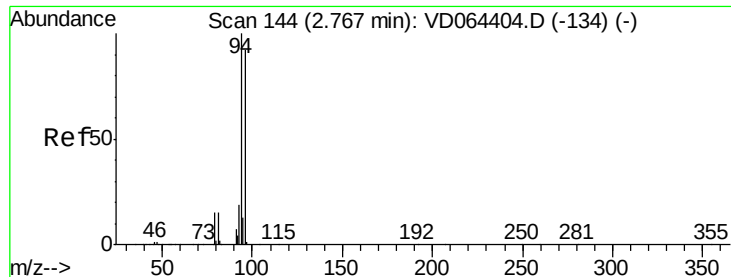
20000

0

Time-->

2.30 2.35 2.40





#5

Bromomethane

Concen: 20.620 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

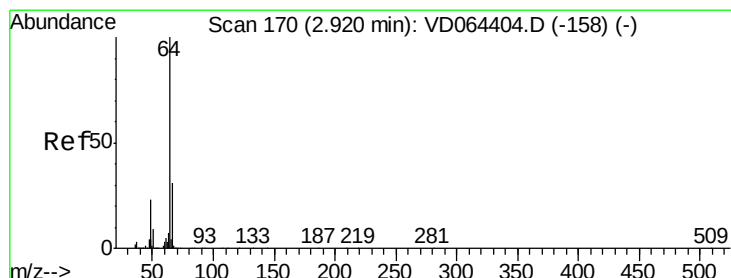
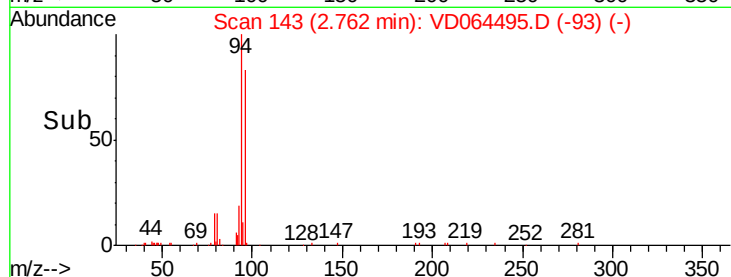
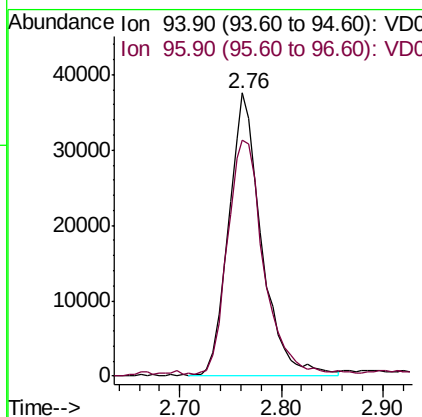
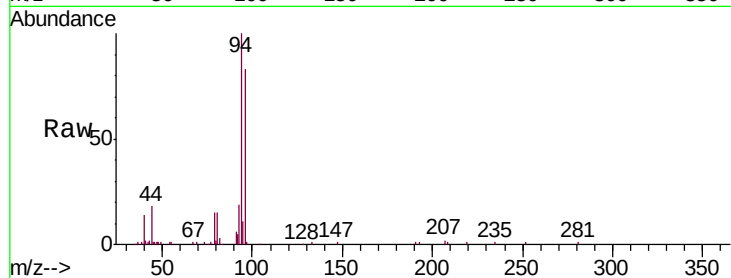
VD1211SBS01

Tgt Ion: 94 Resp: 84360

Ion Ratio Lower Upper

94 100

96 81.9 73.6 110.4



#6

Chloroethane

Concen: 22.176 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064495.D

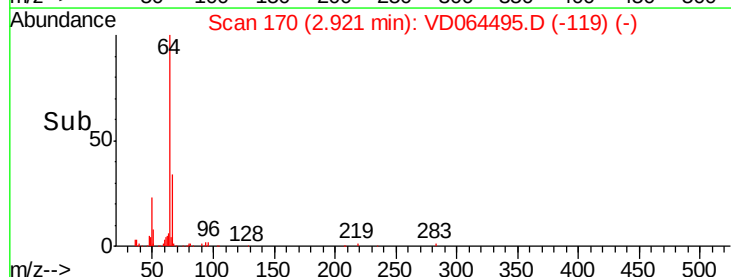
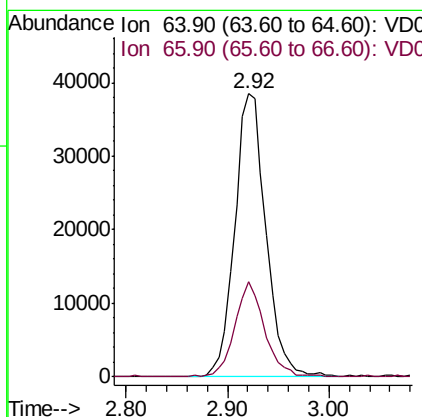
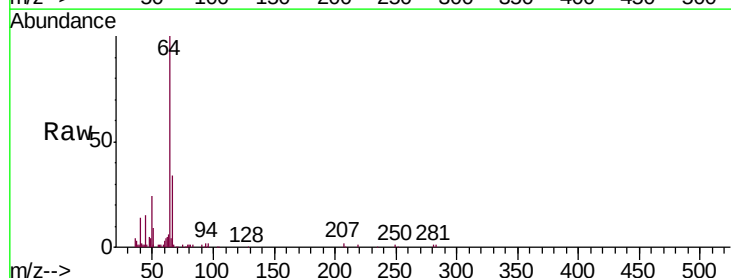
Acq: 11 Dec 2019 12:25

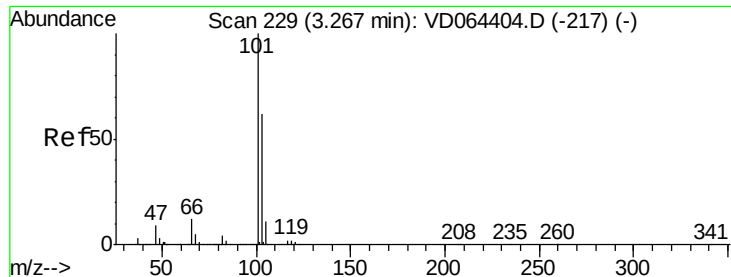
Tgt Ion: 64 Resp: 82002

Ion Ratio Lower Upper

64 100

66 33.8 24.6 37.0



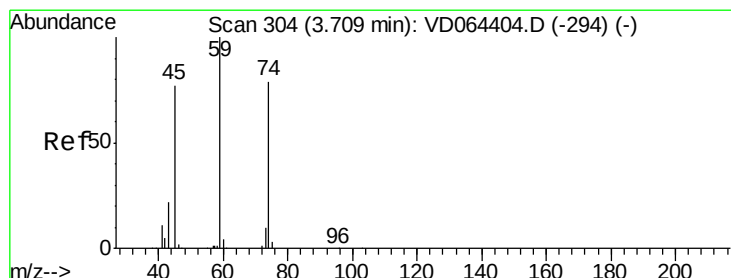
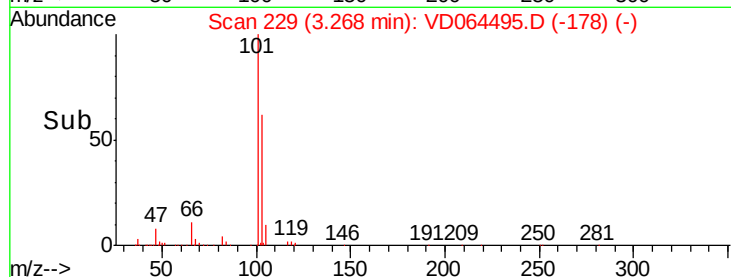
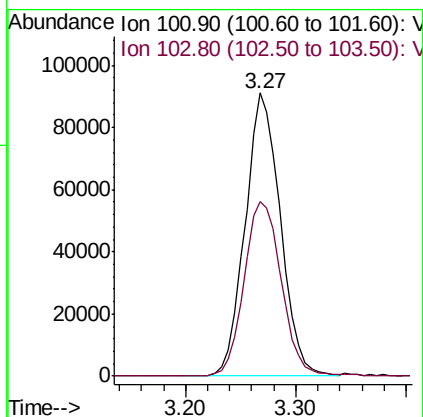
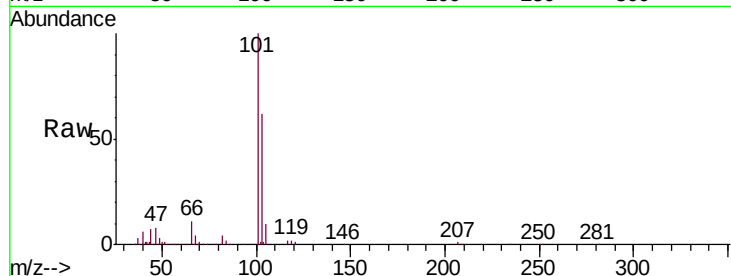


#7

Trichlorofluoromethane
 Concen: 22.207 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064495.D
 Acq: 11 Dec 2019 12:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBS01

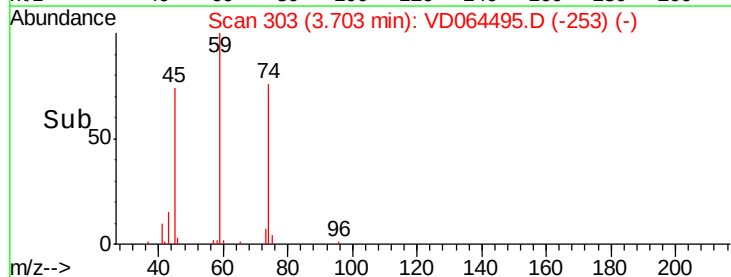
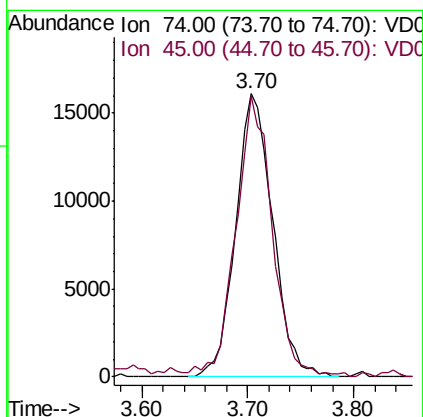
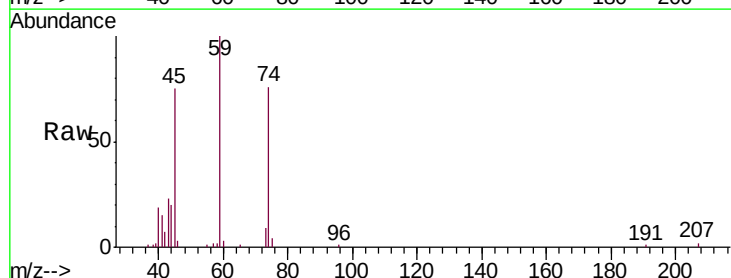
Tgt Ion: 101 Resp: 204235
 Ion Ratio Lower Upper
 101 100
 103 61.7 49.8 74.6

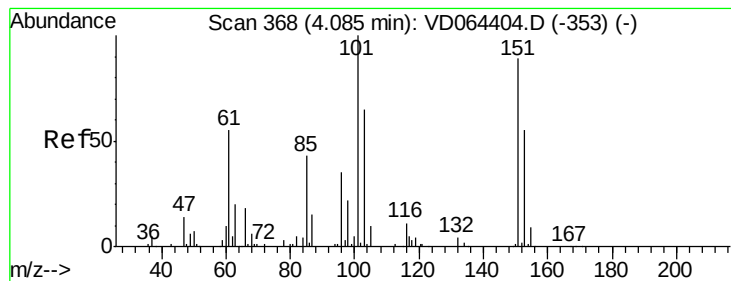


#8

Diethyl Ether
 Concen: 20.459 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064495.D
 Acq: 11 Dec 2019 12:25

Tgt Ion: 74 Resp: 39100
 Ion Ratio Lower Upper
 74 100
 45 98.0 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.458 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

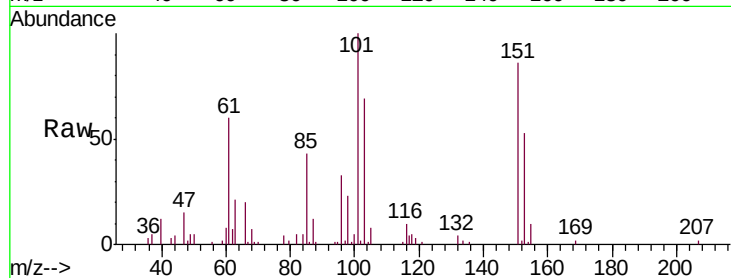
Tgt Ion:101 Resp: 88559

Ion Ratio Lower Upper

101 100

85 42.2 34.8 52.2

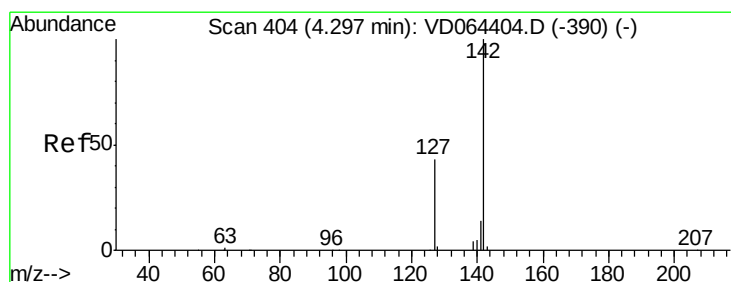
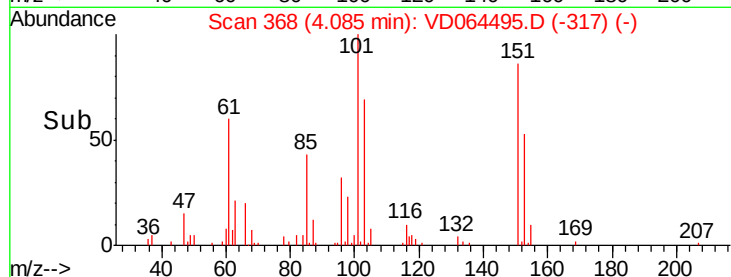
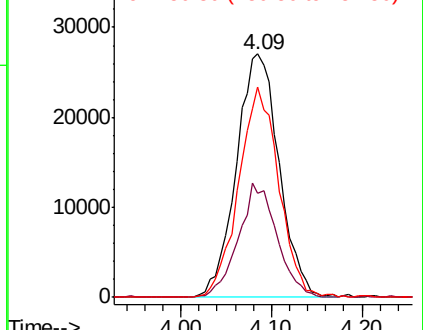
151 81.2 68.8 103.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.556 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

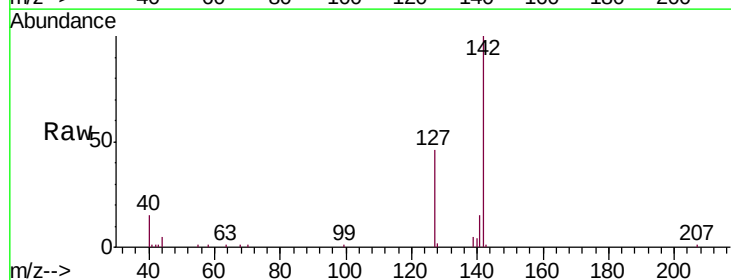
Tgt Ion:142 Resp: 81438

Ion Ratio Lower Upper

142 100

127 46.9 35.3 52.9

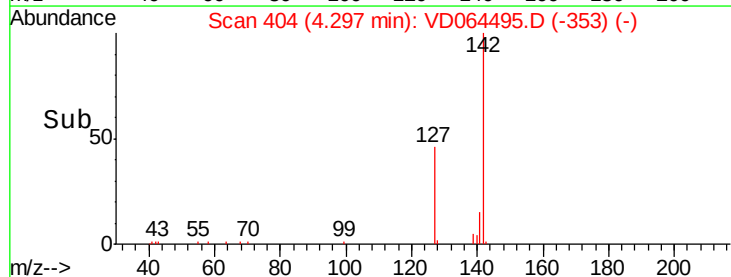
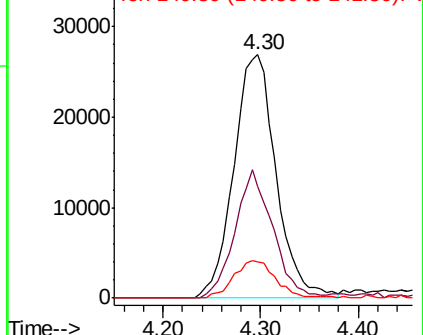
141 15.6 11.6 17.4

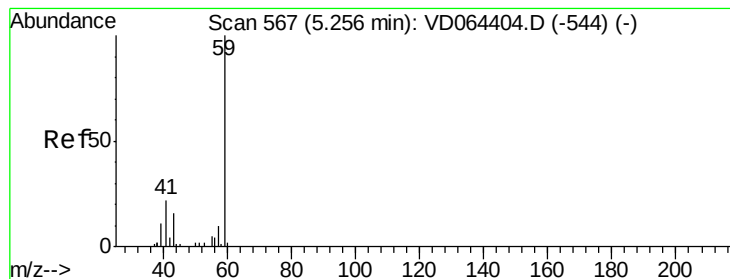


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



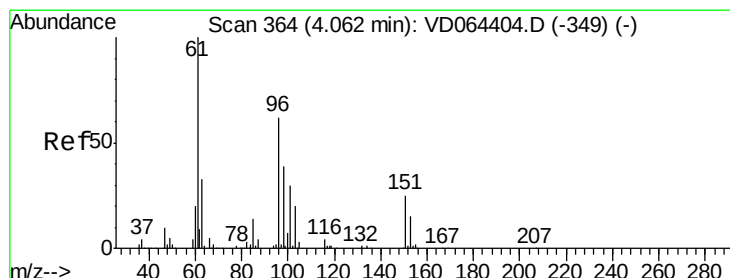
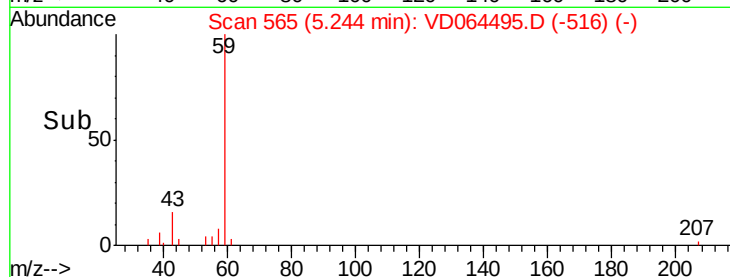
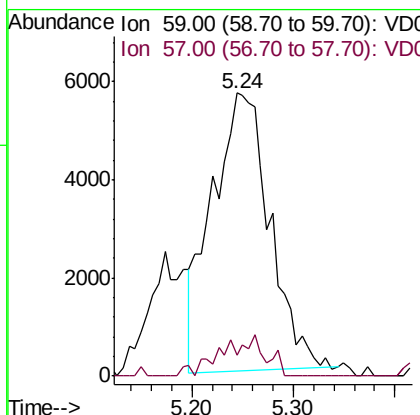
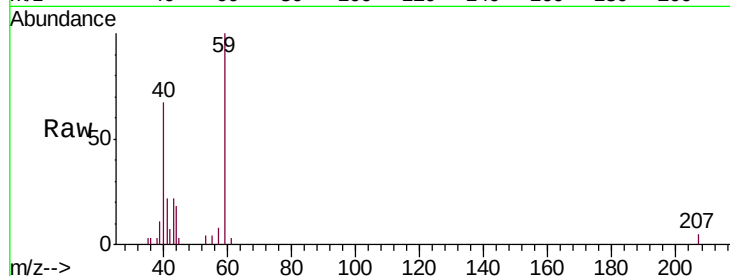


#11

Tert butyl alcohol
 Concen: 92.448 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. -0.01 min
 Lab File: VD064495.D
 Acq: 11 Dec 2019 12:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBS01

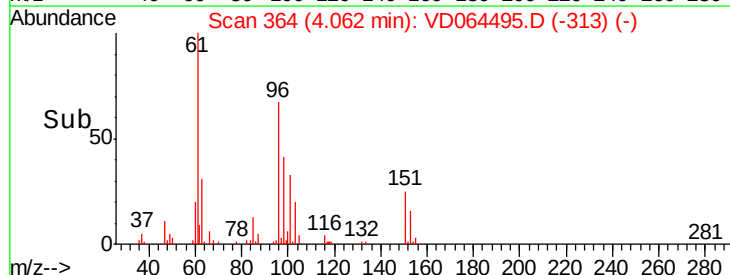
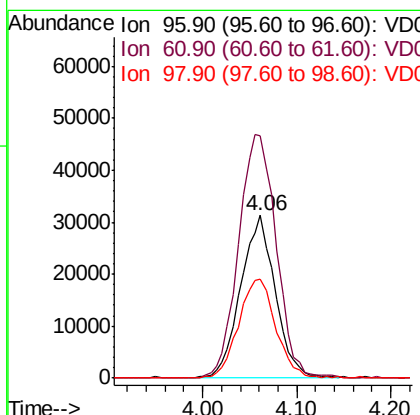
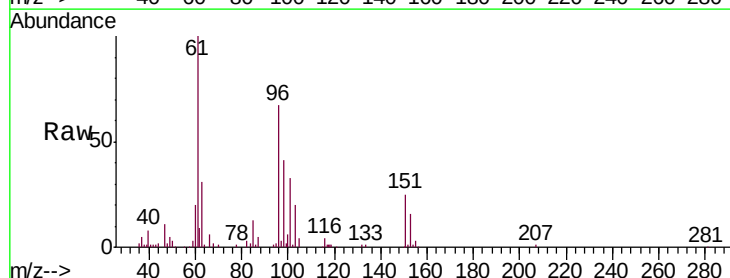
Tgt Ion: 59 Resp: 22332
 Ion Ratio Lower Upper
 59 100
 57 0.0 0.0 0.0

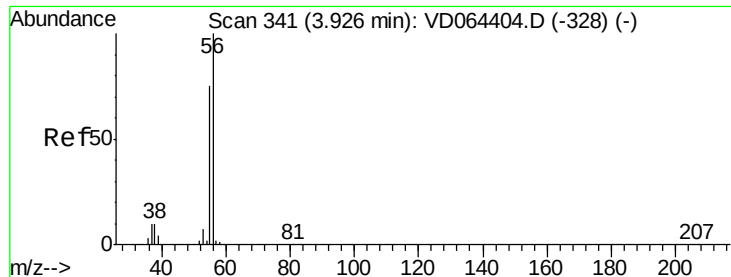


#12

1,1-Dichloroethene
 Concen: 21.133 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD064495.D
 Acq: 11 Dec 2019 12:25

Tgt Ion: 96 Resp: 79861
 Ion Ratio Lower Upper
 96 100
 61 148.9 128.2 192.4
 98 61.0 50.4 75.6





#13

Acrolein

Concen: 82.049 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

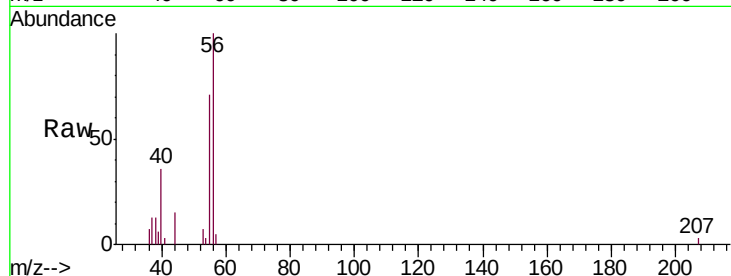
VD1211SBS01

Tgt Ion: 56 Resp: 27034

Ion Ratio Lower Upper

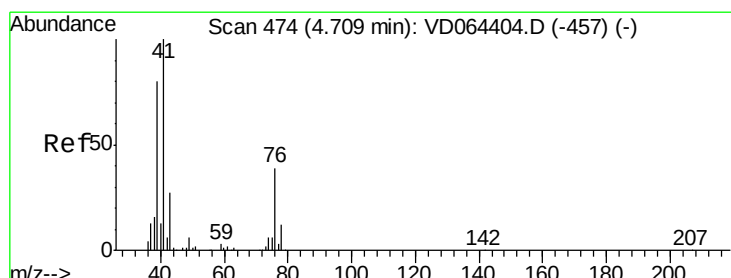
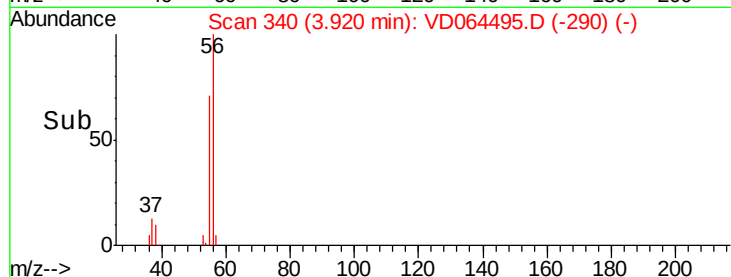
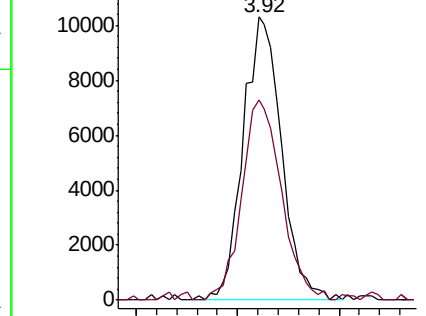
56 100

55 73.3 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.105 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

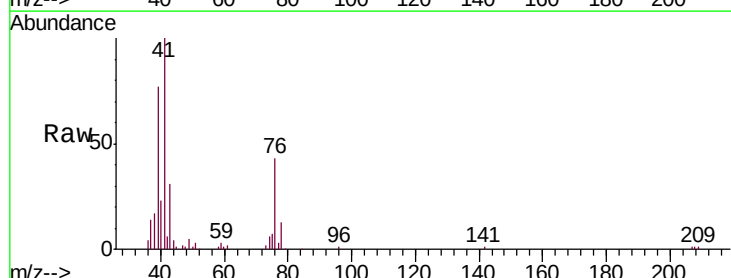
Tgt Ion: 41 Resp: 124467

Ion Ratio Lower Upper

41 100

39 76.5 62.1 93.1

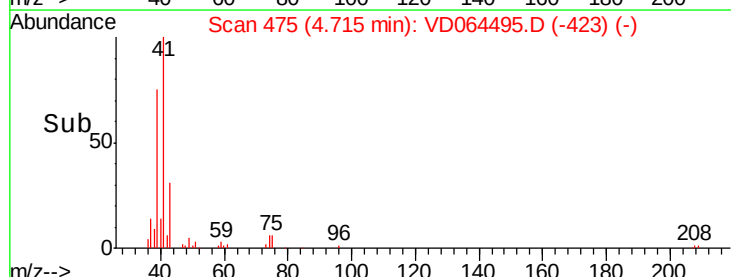
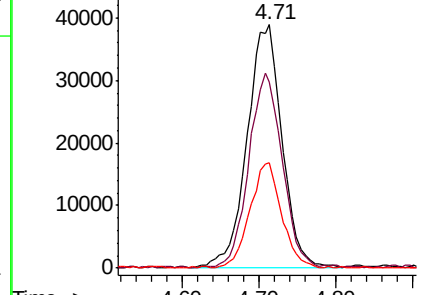
76 39.1 29.8 44.8

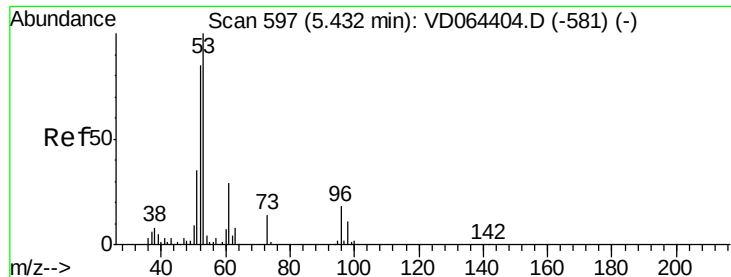


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 94.846 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

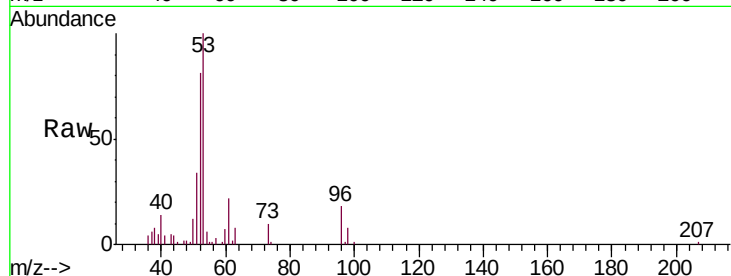
Tgt Ion: 53 Resp: 79264

Ion Ratio Lower Upper

53 100

52 84.8 67.9 101.9

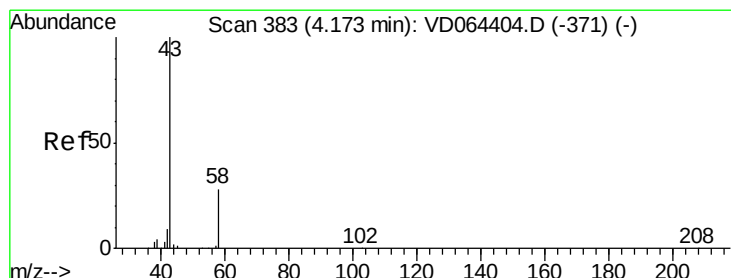
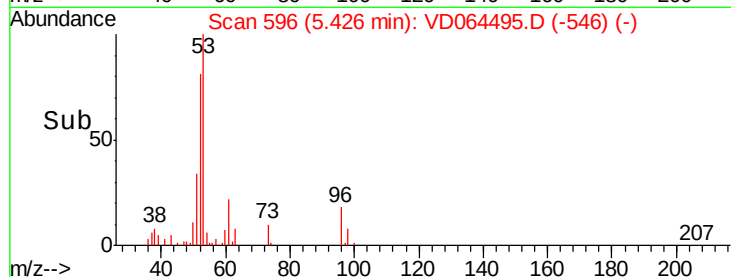
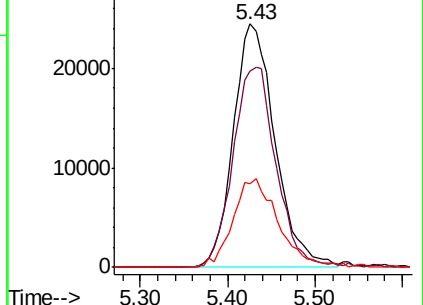
51 39.3 30.6 45.8



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 96.134 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.01 min

Lab File: VD064495.D

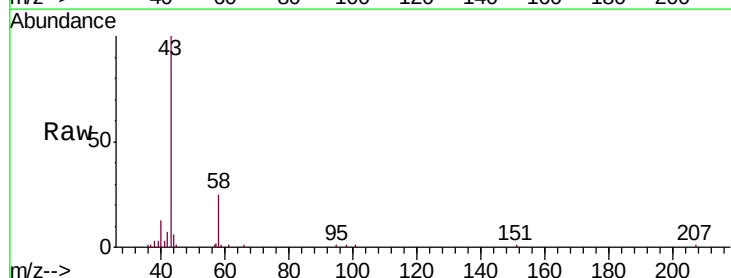
Acq: 11 Dec 2019 12:25

Tgt Ion: 43 Resp: 73722

Ion Ratio Lower Upper

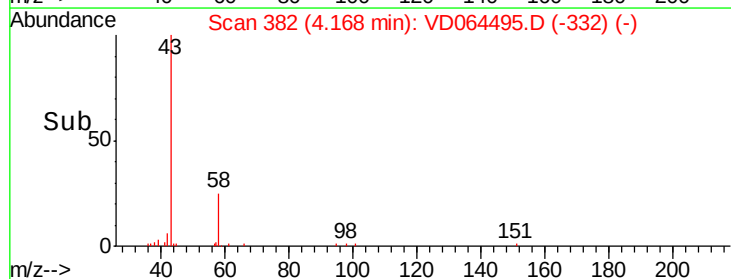
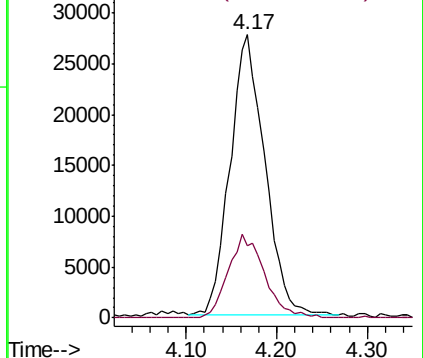
43 100

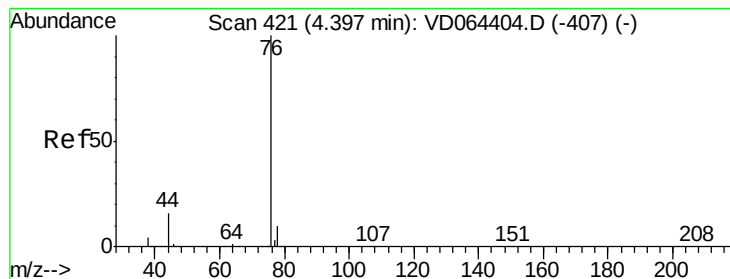
58 25.5 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 21.427 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

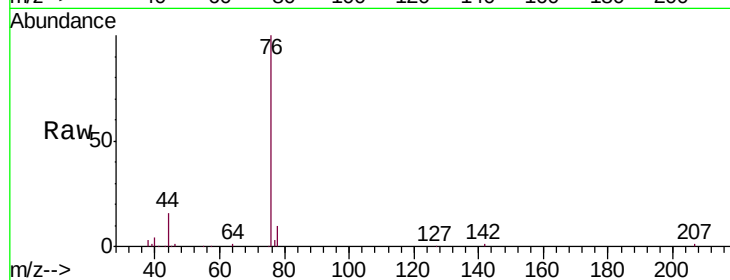
VD1211SBS01

Tgt Ion: 76 Resp: 256445

Ion Ratio Lower Upper

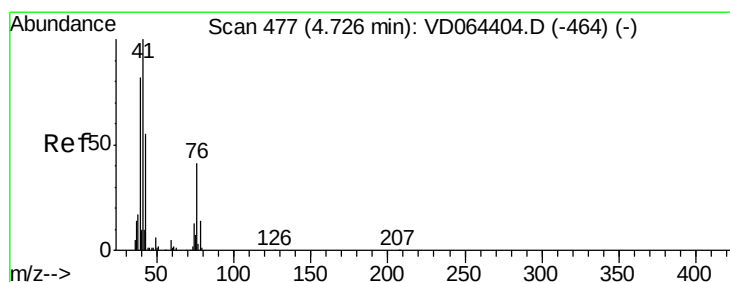
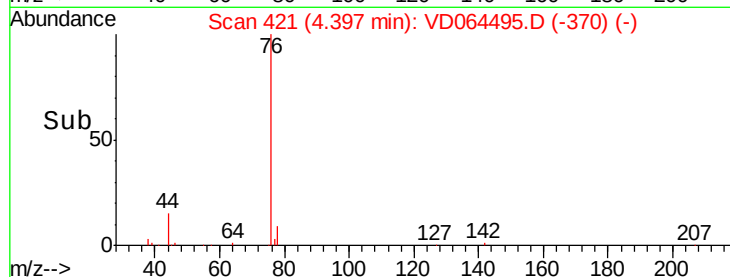
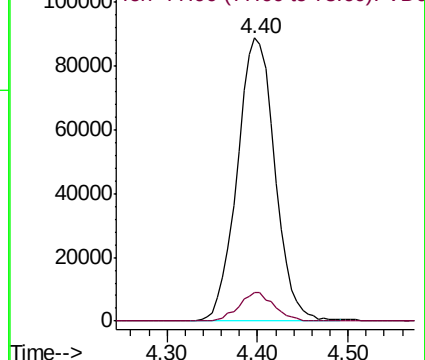
76 100

78 10.1 7.8 11.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 18.833 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD064495.D

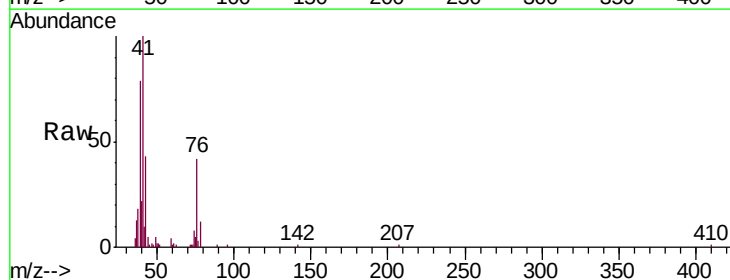
Acq: 11 Dec 2019 12:25

Tgt Ion: 43 Resp: 42127

Ion Ratio Lower Upper

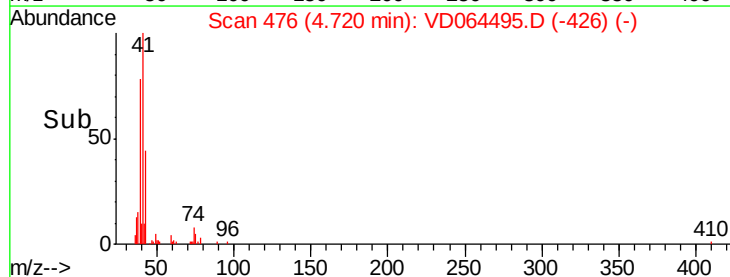
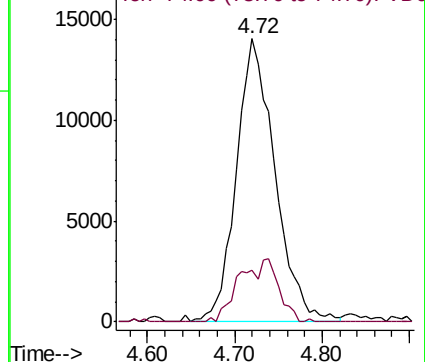
43 100

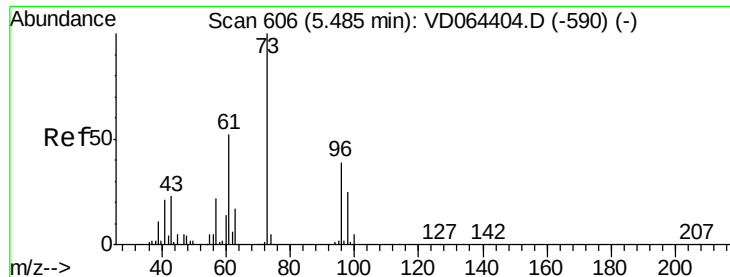
74 22.8 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

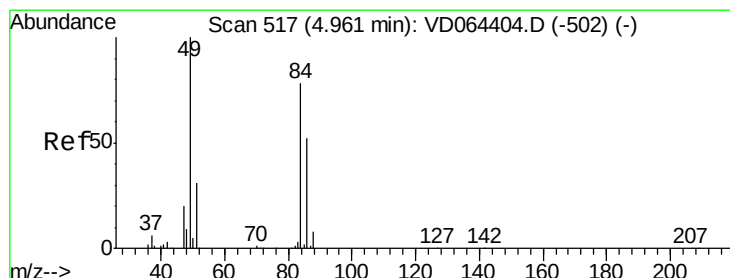
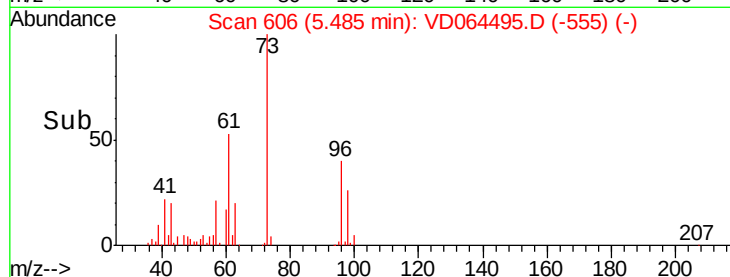
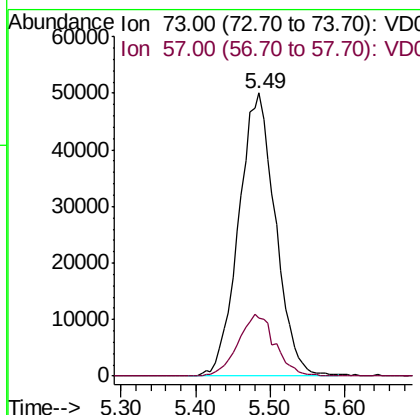
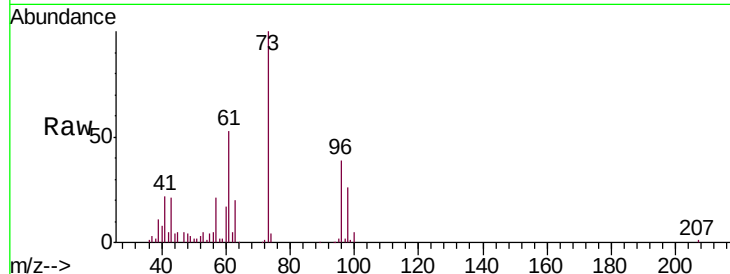




#19
Methyl tert-butyl Ether
Concen: 19.724 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

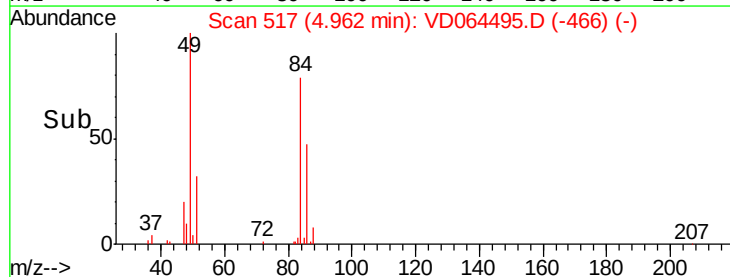
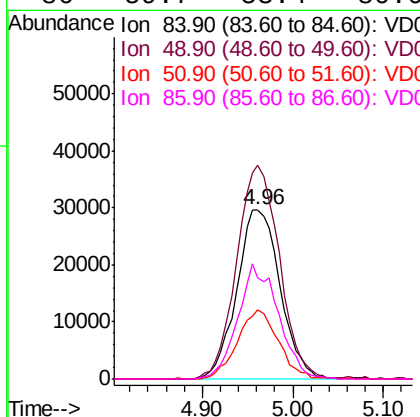
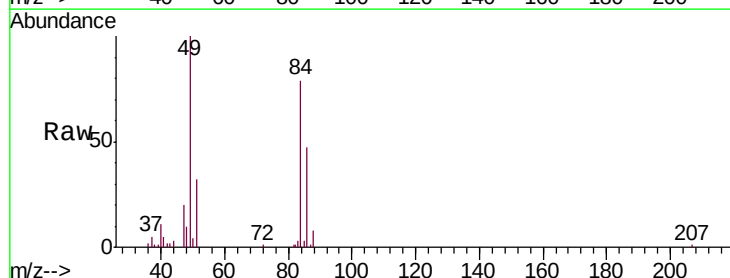
Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

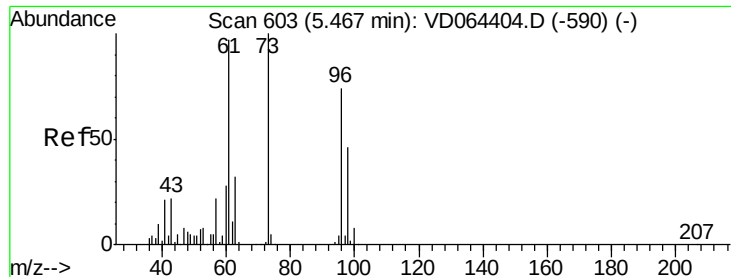
Tgt Ion: 73 Resp: 170971
Ion Ratio Lower Upper
73 100
57 20.7 17.6 26.4



#20
Methylene Chloride
Concen: 22.905 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Tgt Ion: 84 Resp: 98638
Ion Ratio Lower Upper
84 100
49 126.0 102.6 153.8
51 40.4 32.0 48.0
86 59.7 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 21.707 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

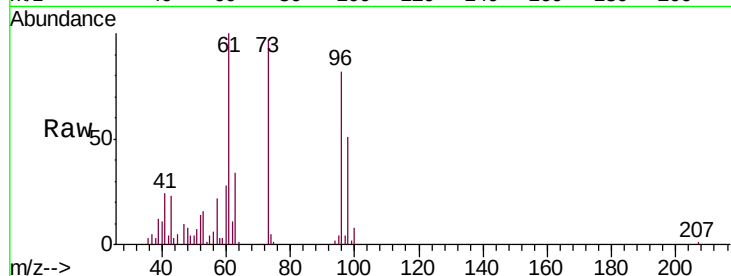
Tgt Ion: 96 Resp: 92790

Ion Ratio Lower Upper

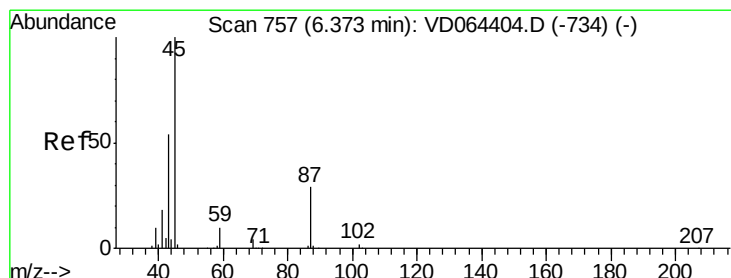
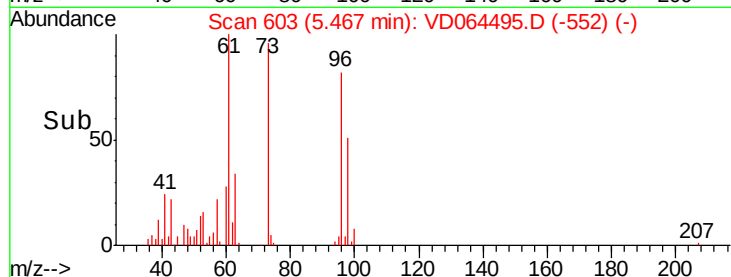
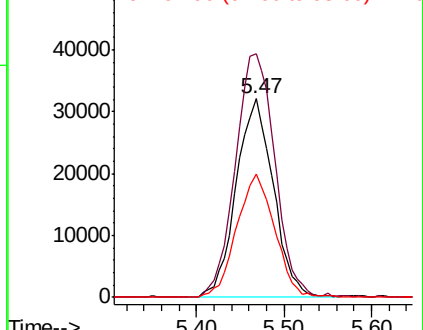
96 100

61 122.6 105.8 158.6

98 61.9 50.1 75.1



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



#22

Diisopropyl ether

Concen: 20.916 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Tgt Ion: 45 Resp: 243511

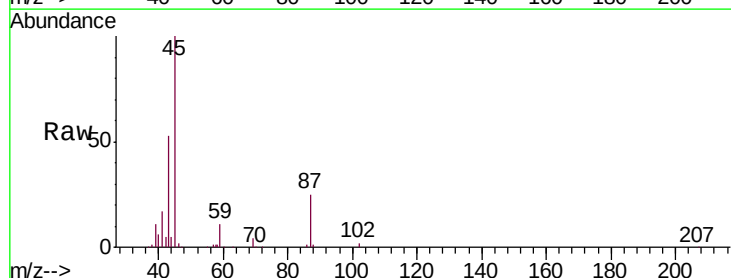
Ion Ratio Lower Upper

45 100

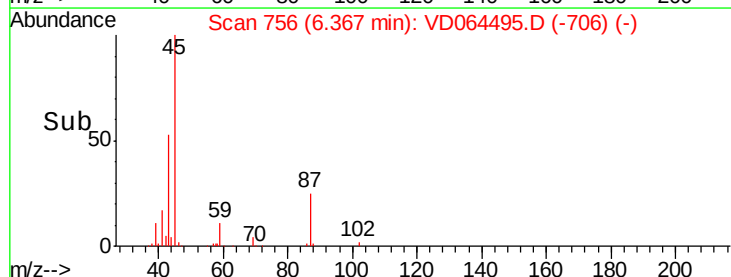
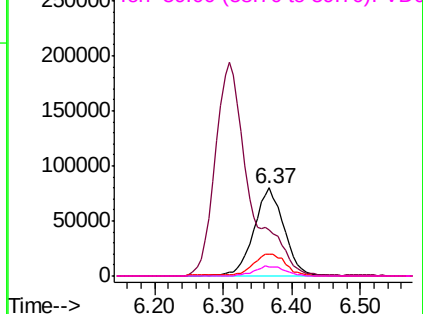
43 51.7 43.1 64.7

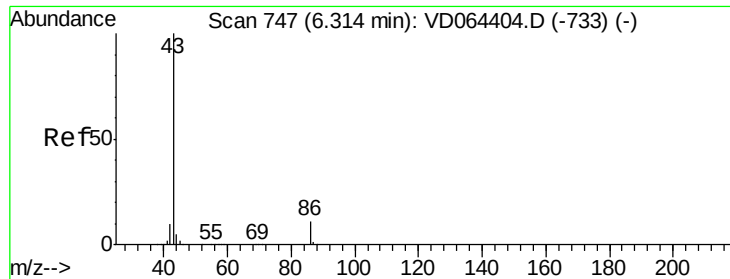
87 25.1 23.5 35.3

59 10.8 8.2 12.2



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





#23

Vinyl Acetate

Concen: 97.464 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

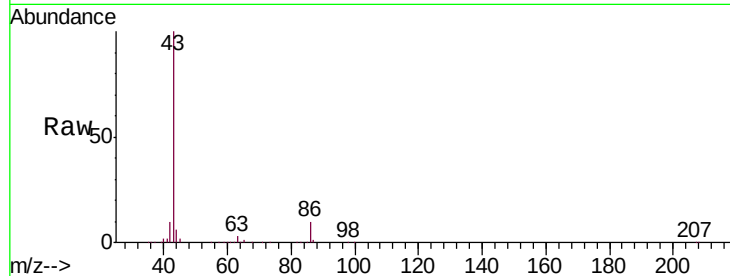
VD1211SBS01

Tgt Ion: 43 Resp: 668957

Ion Ratio Lower Upper

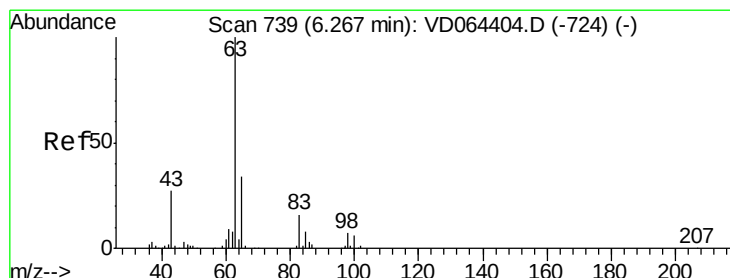
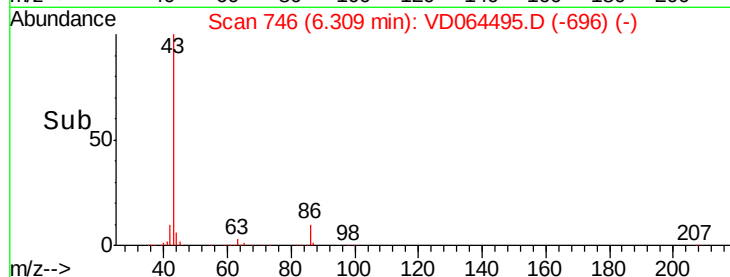
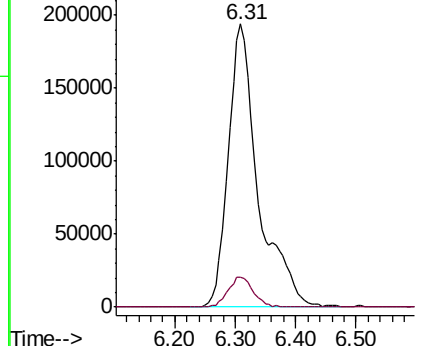
43 100

86 10.4 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.604 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

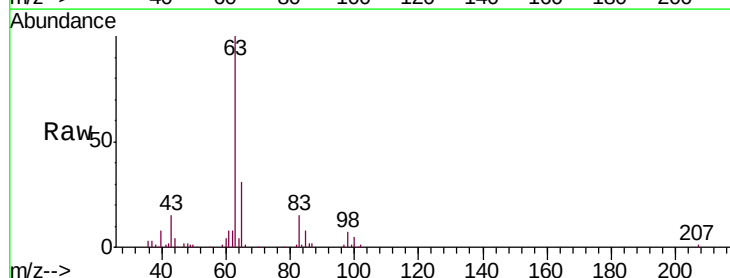
Tgt Ion: 63 Resp: 151261

Ion Ratio Lower Upper

63 100

98 7.2 3.6 10.9

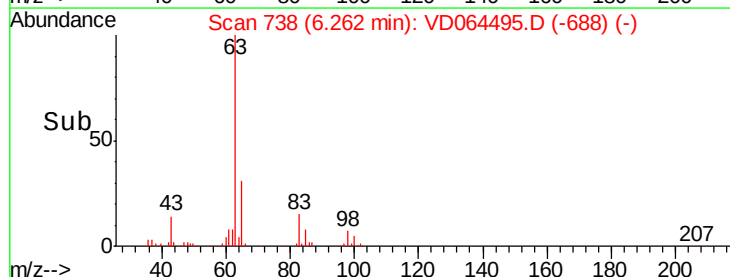
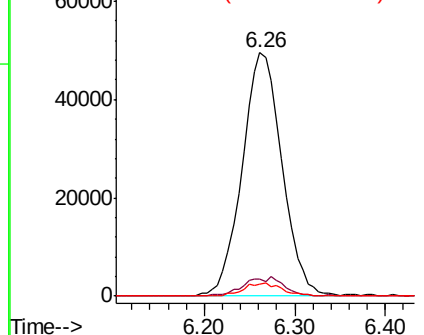
100 4.9 2.9 8.6

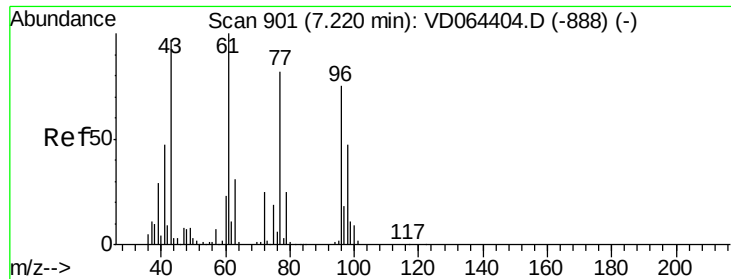


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 94.377 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

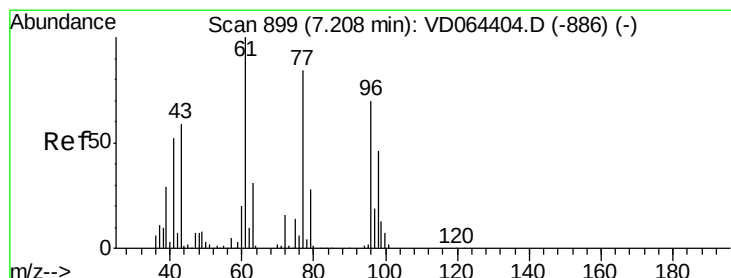
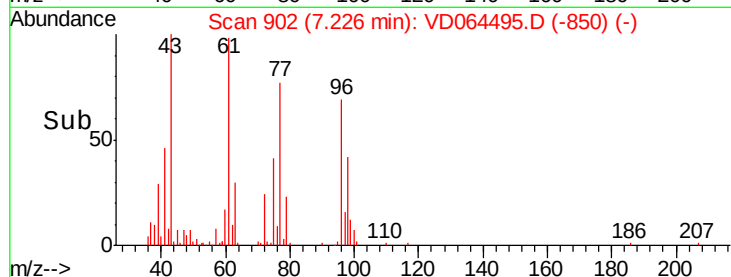
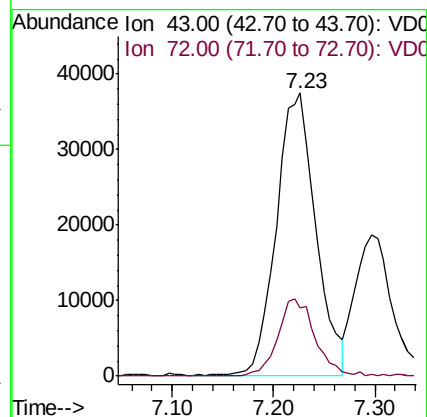
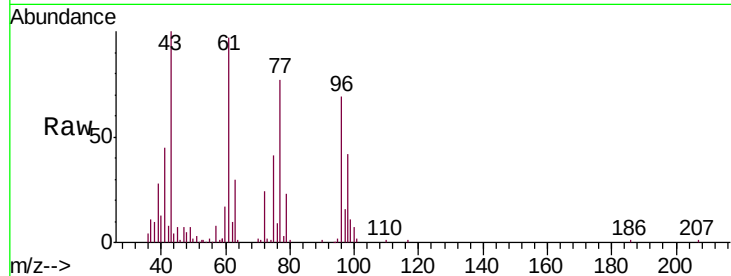
VD1211SBS01

Tgt Ion: 43 Resp: 102353

Ion Ratio Lower Upper

43 100

72 24.1 21.0 31.4



#26

2,2-Dichloropropane

Concen: 22.492 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064495.D

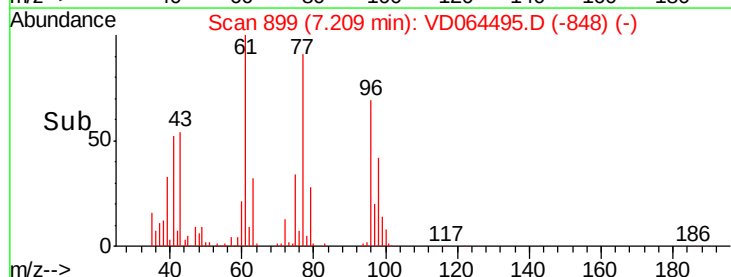
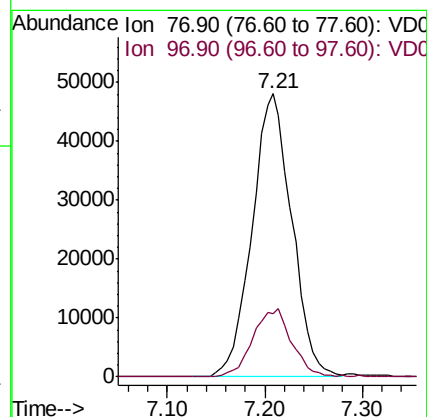
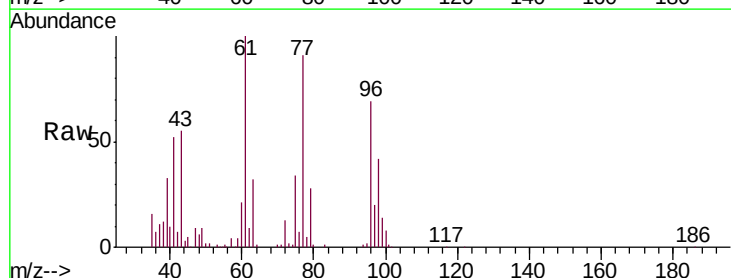
Acq: 11 Dec 2019 12:25

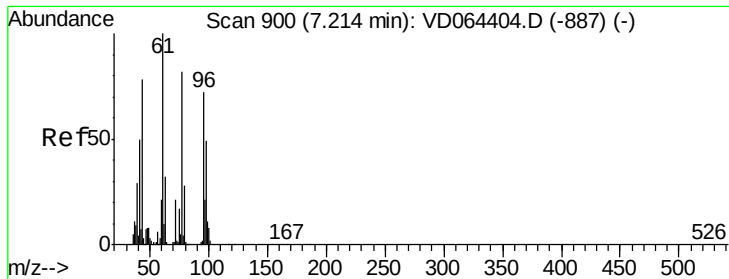
Tgt Ion: 77 Resp: 136955

Ion Ratio Lower Upper

77 100

97 23.4 11.6 34.7



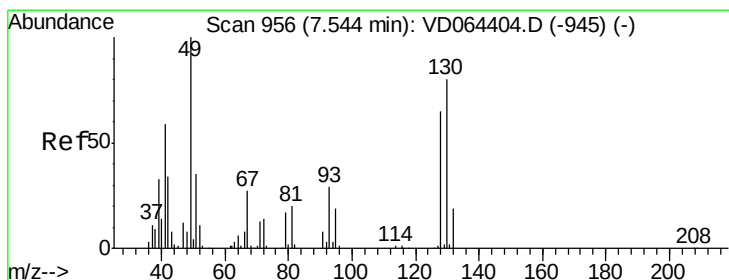
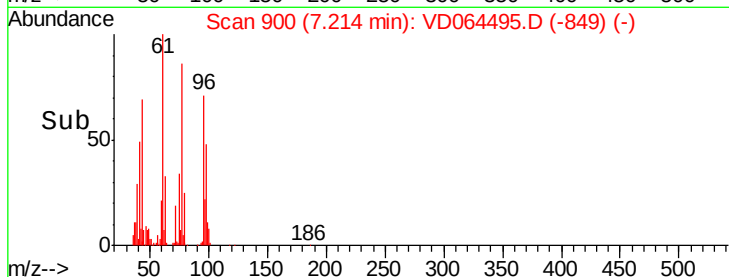
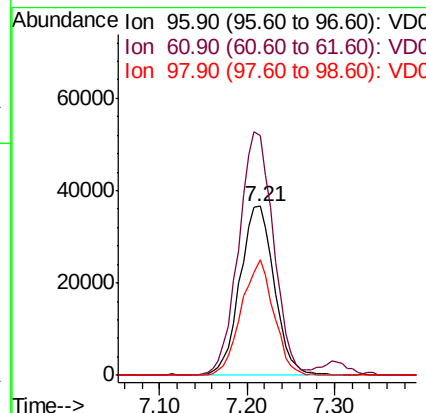
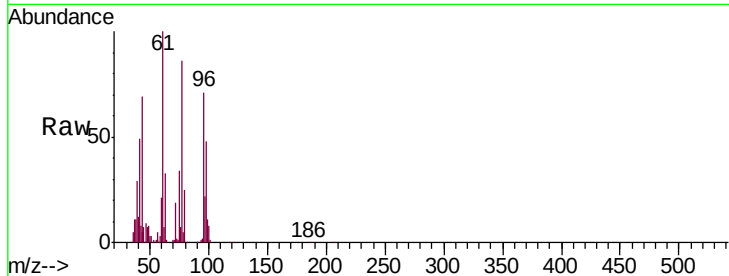


#27

cis-1,2-Dichloroethene
Concen: 20.931 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

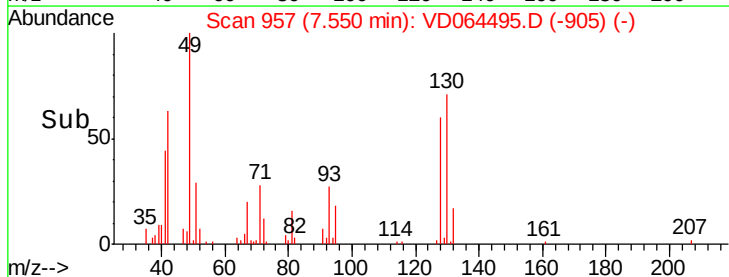
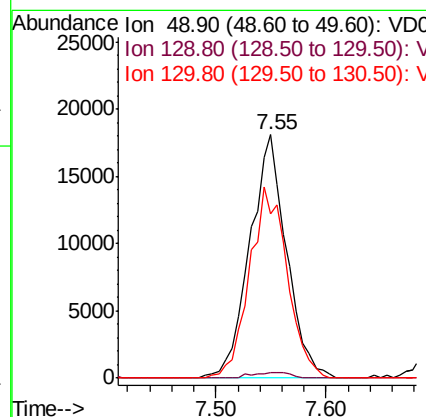
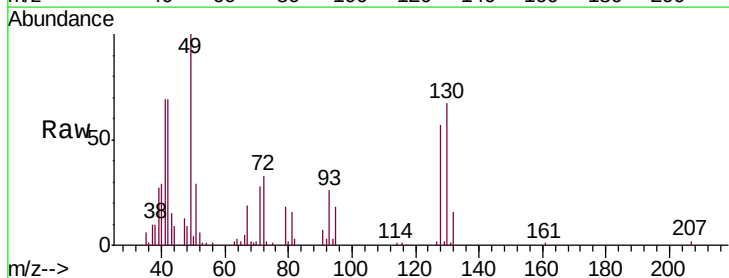
Tgt Ion: 96 Resp: 97546
Ion Ratio Lower Upper
96 100
61 145.7 0.0 279.6
98 64.7 0.0 129.2

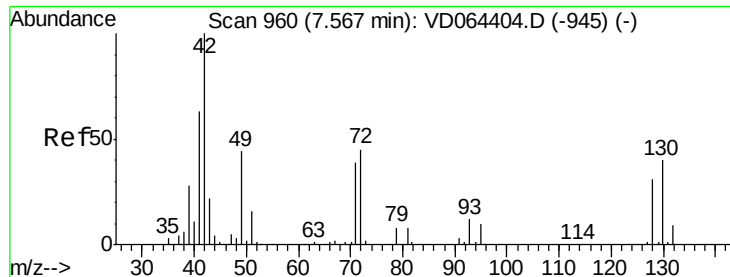


#28

Bromochloromethane
Concen: 17.638 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Tgt Ion: 49 Resp: 42204
Ion Ratio Lower Upper
49 100
129 2.4 0.0 4.4
130 80.4 67.4 101.0

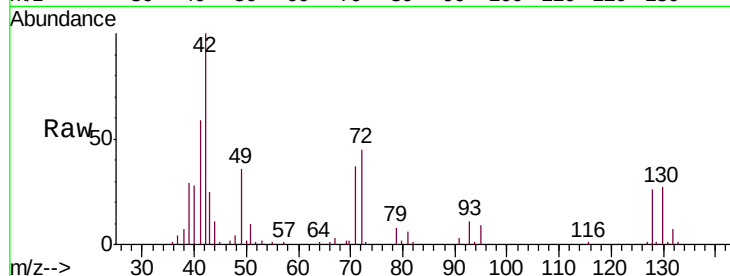




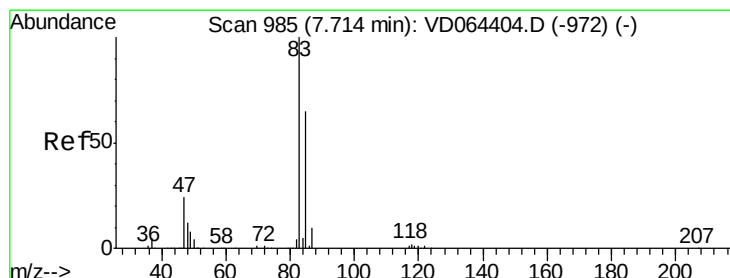
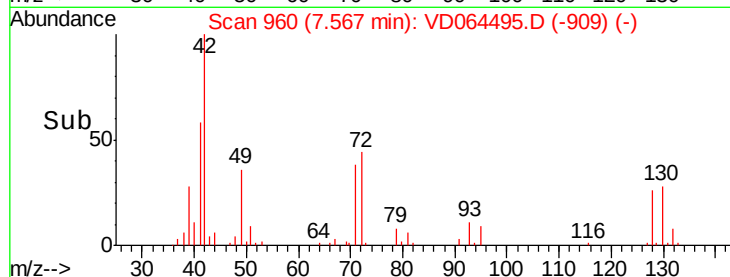
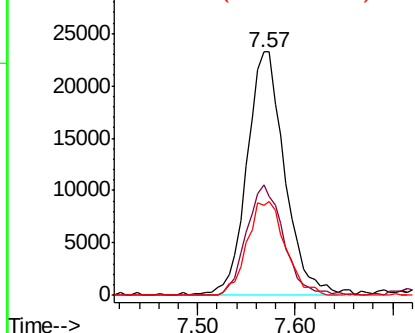
#29
Tetrahydrofuran
Concen: 91.197 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tgt Ion: 42 Resp: 62925
Ion Ratio Lower Upper
42 100
72 44.5 35.8 53.8
71 38.9 32.7 49.1

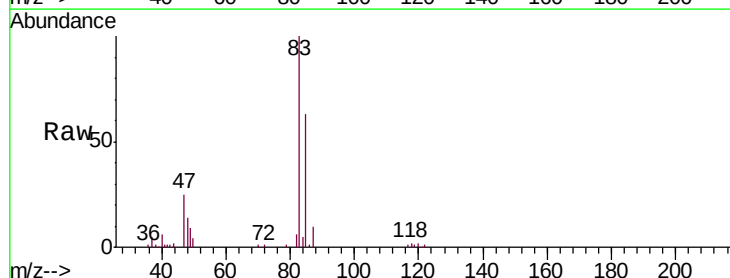


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

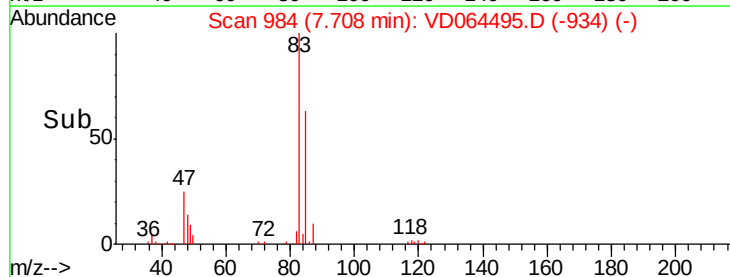
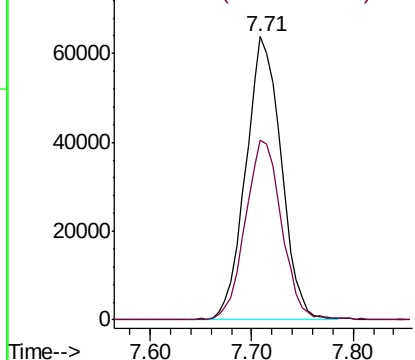


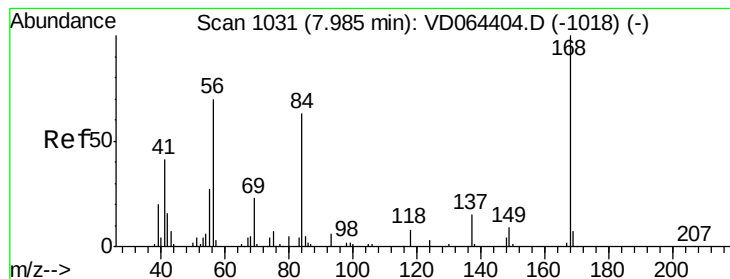
#30
Chloroform
Concen: 21.362 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Tgt Ion: 83 Resp: 154899
Ion Ratio Lower Upper
83 100
85 63.3 51.8 77.6



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





#31

Cyclohexane

Concen: 21.327 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

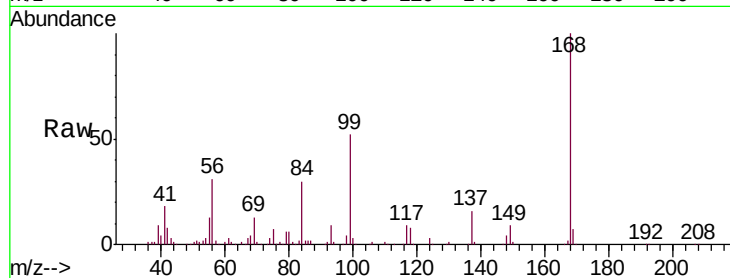
Tgt Ion: 56 Resp: 146453

Ion Ratio Lower Upper

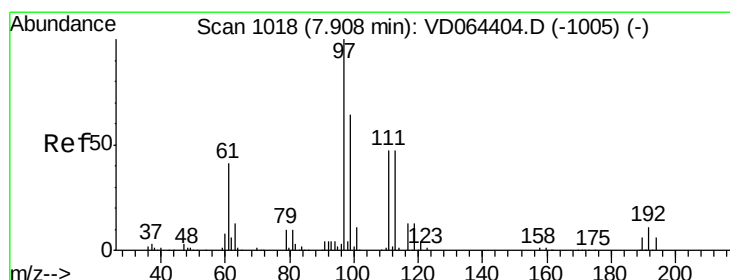
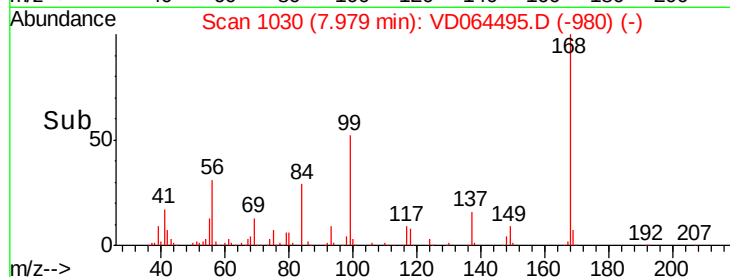
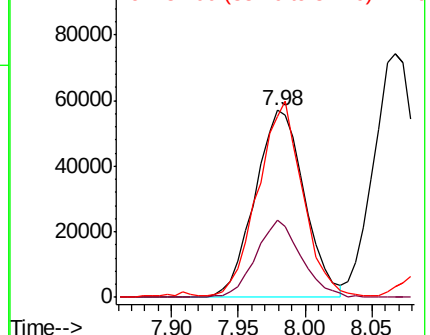
56 100

69 41.6 26.2 39.4#

84 95.6 70.3 105.5



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



#32

1,1,1-Trichloroethane

Concen: 21.808 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

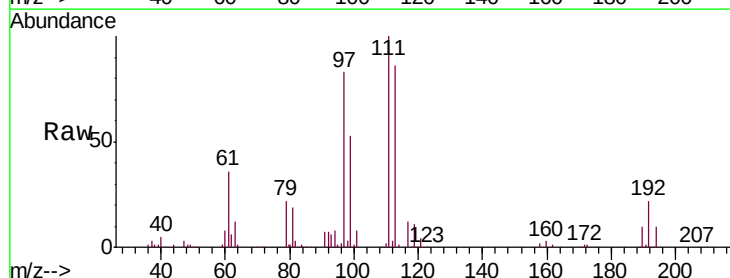
Tgt Ion: 97 Resp: 146611

Ion Ratio Lower Upper

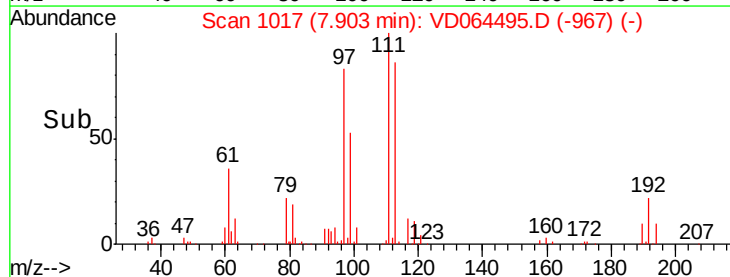
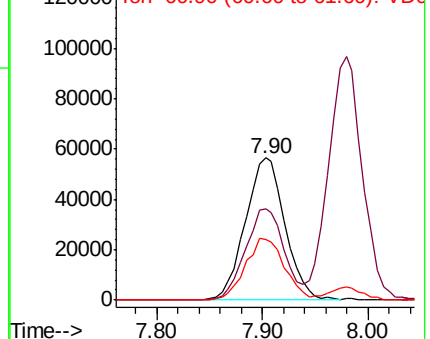
97 100

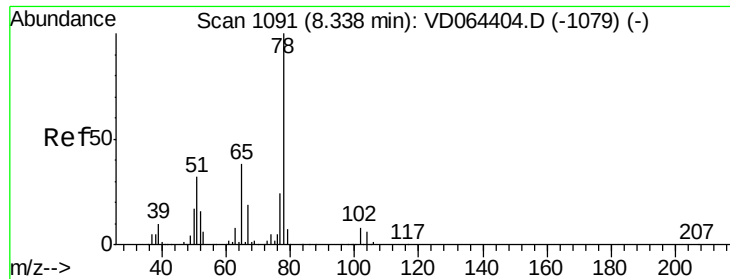
99 63.3 51.4 77.2

61 43.2 35.0 52.4



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

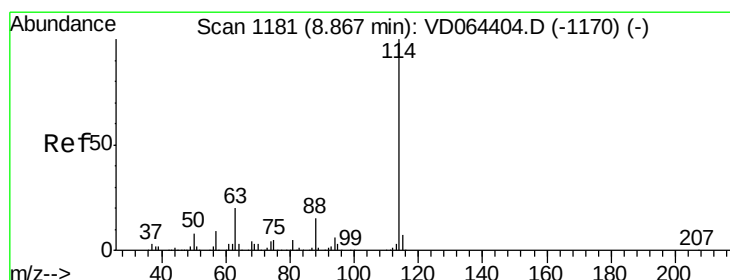
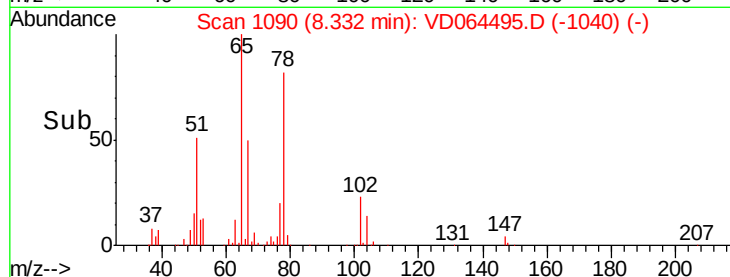
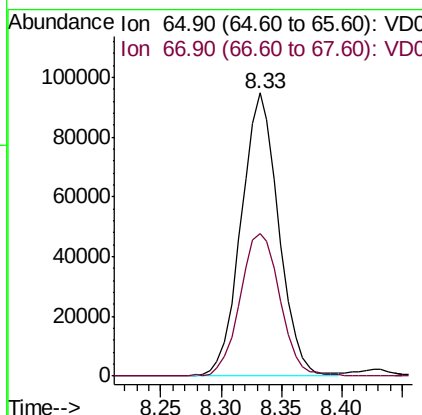
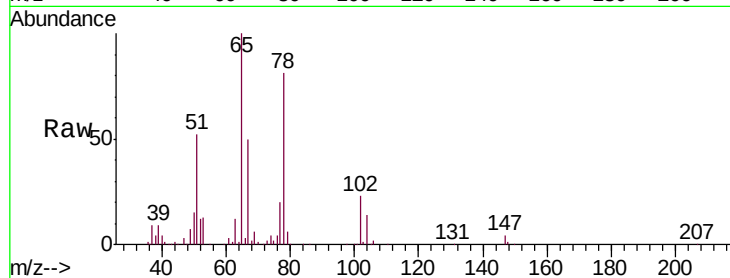




#33
 1,2-Dichloroethane-d4
 Concen: 54.061 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064495.D
 Acq: 11 Dec 2019 12:25

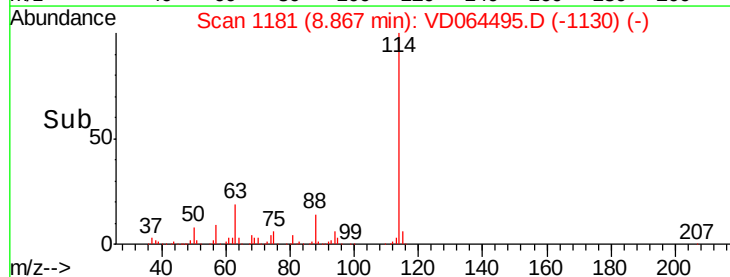
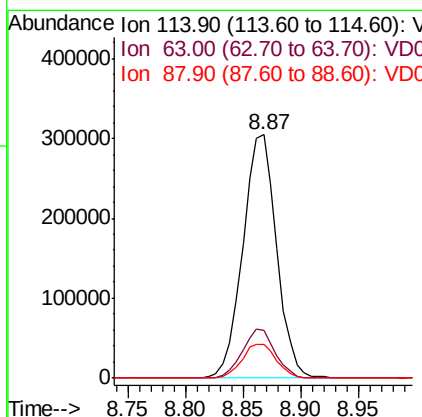
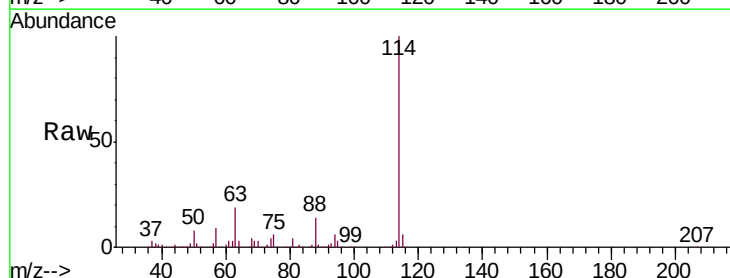
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBS01

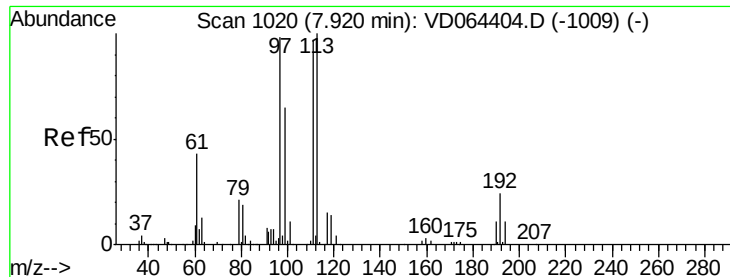
Tgt Ion: 65 Resp: 205154
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064495.D
 Acq: 11 Dec 2019 12:25

Tgt Ion: 114 Resp: 619084
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.0
 88 13.8 0.0 29.2

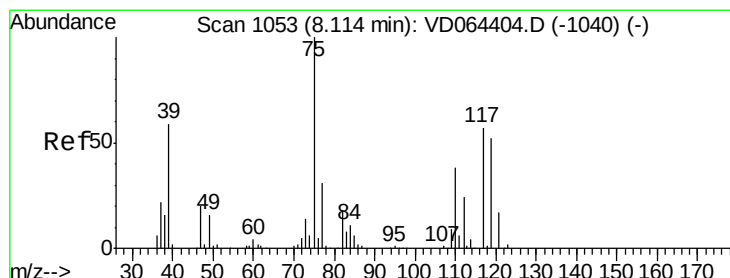
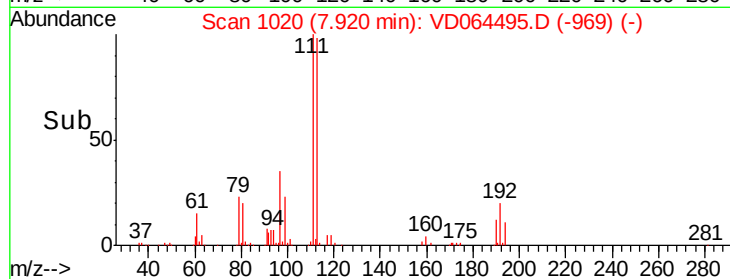
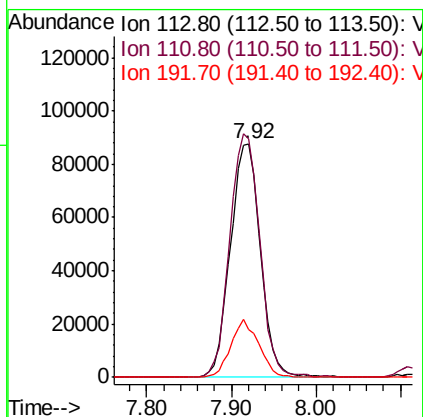
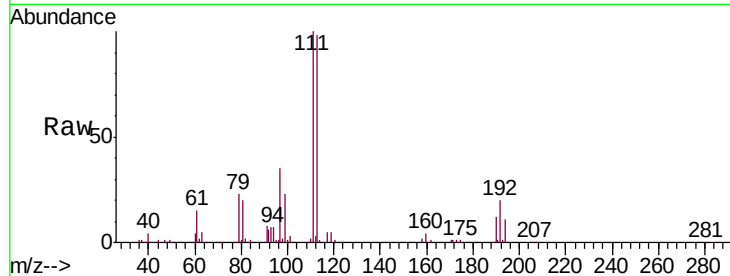




#35
 Dibromofluoromethane
 Concen: 55.071 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064495.D
 Acq: 11 Dec 2019 12:25

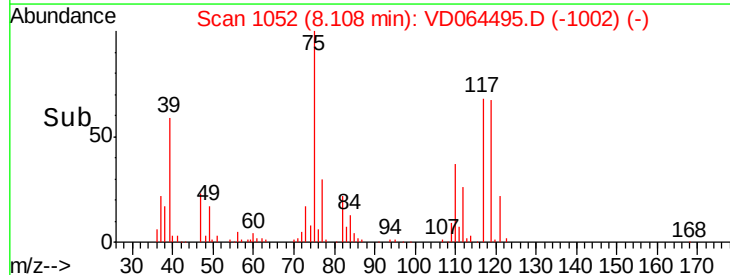
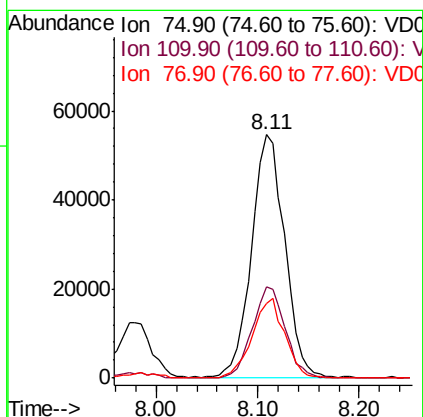
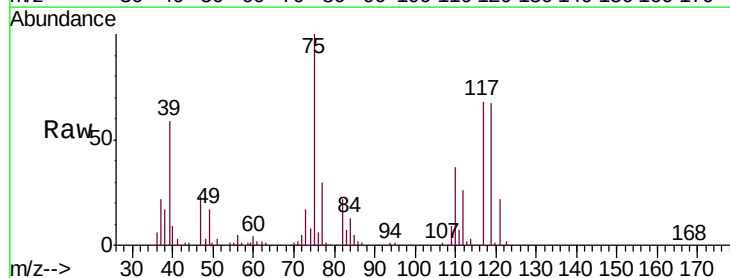
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBS01

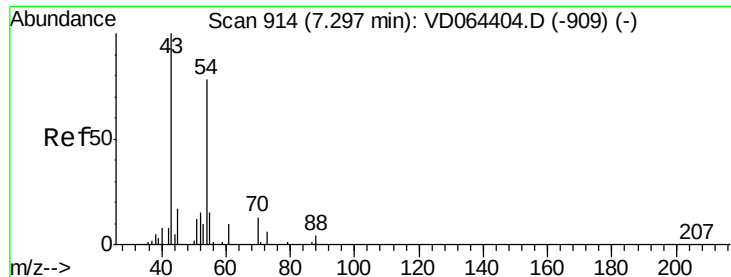
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.7	79.4	119.2
192	23.1	18.6	28.0



#36
 1,1-Dichloropropene
 Concen: 21.351 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064495.D
 Acq: 11 Dec 2019 12:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.8	18.6	55.8
77	31.9	25.0	37.4

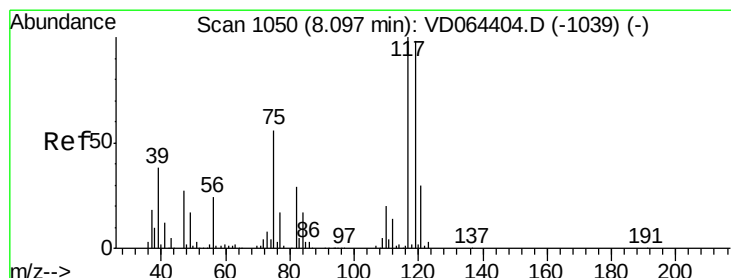
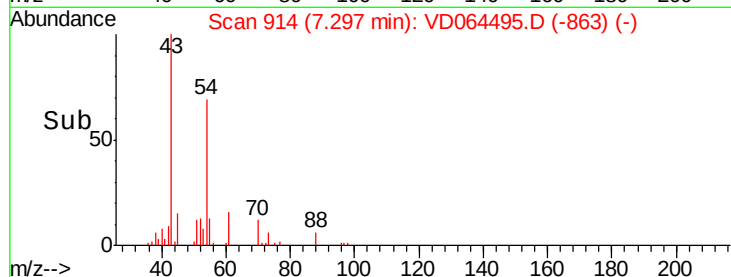
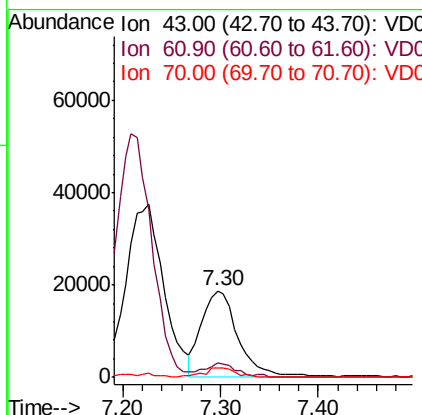
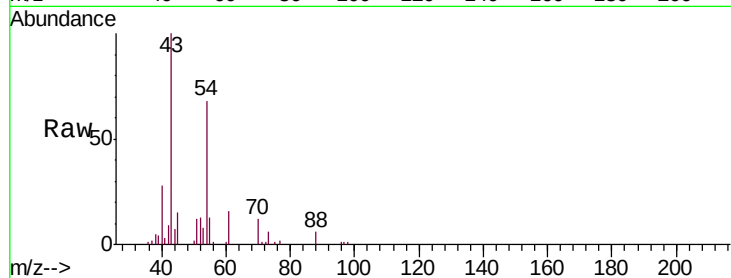




#37
Ethyl Acetate
Concen: 19.315 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

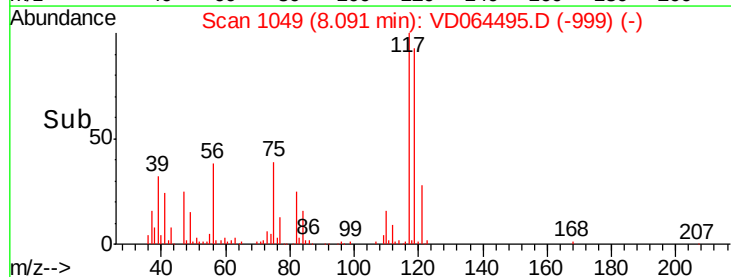
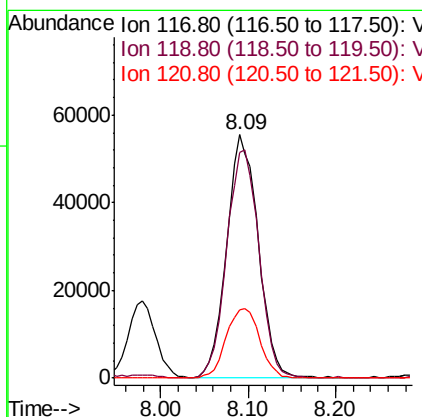
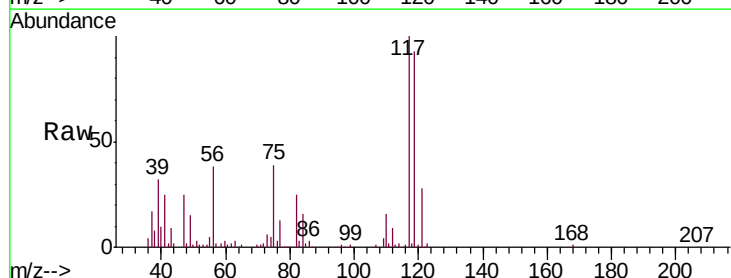
Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

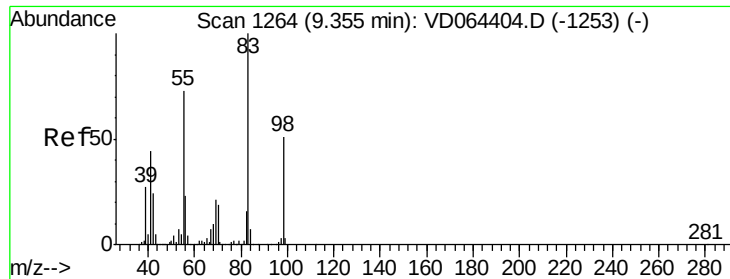
Tgt Ion: 43 Resp: 47992
Ion Ratio Lower Upper
43 100
61 12.8 10.9 16.3
70 10.4 8.3 12.5



#38
Carbon Tetrachloride
Concen: 22.144 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Tgt Ion: 117 Resp: 136855
Ion Ratio Lower Upper
117 100
119 92.8 78.8 118.2
121 28.1 24.2 36.2

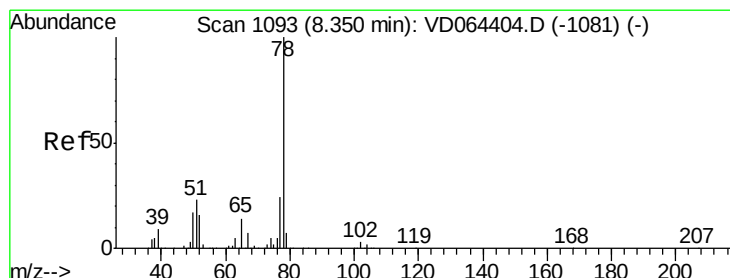
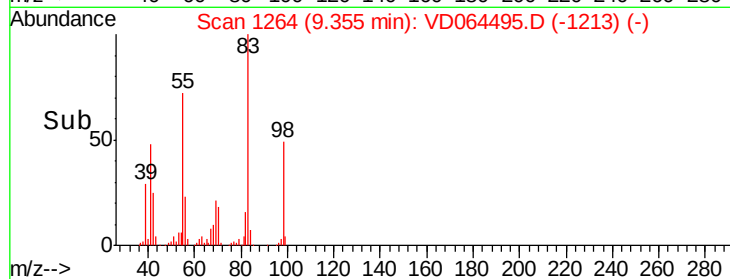
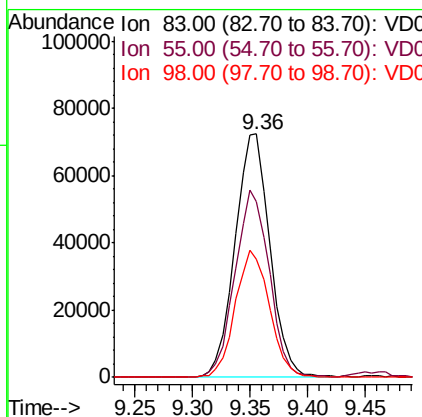
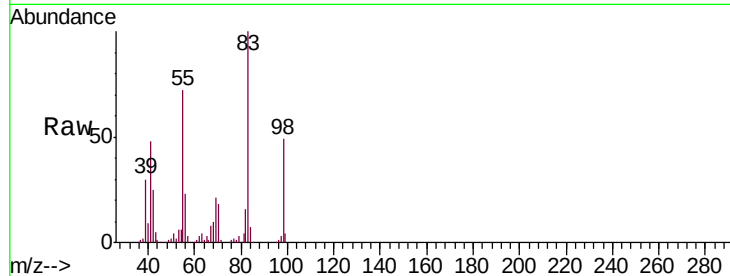




#39
Methylcyclohexane
Concen: 20.940 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

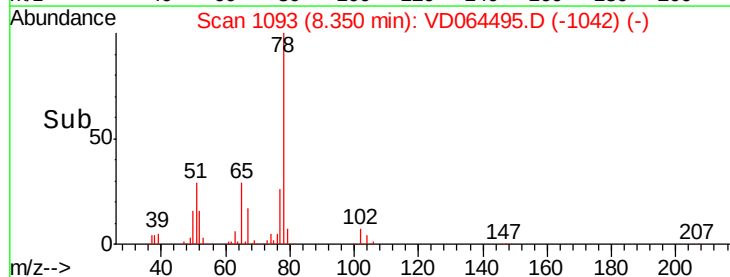
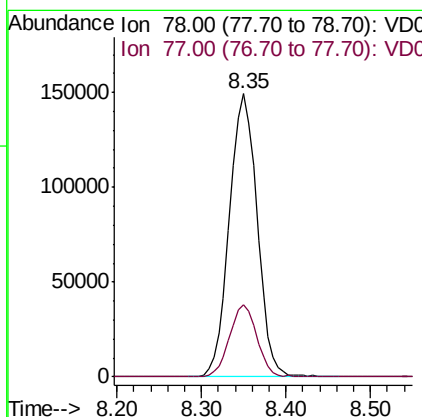
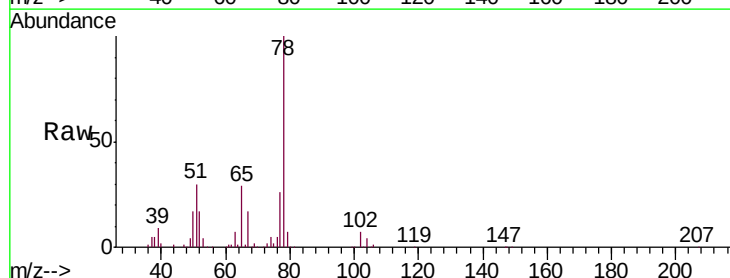
Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

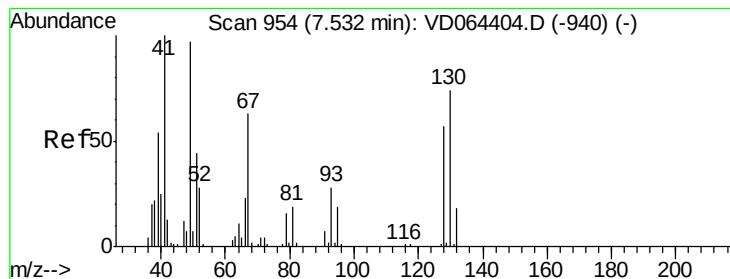
Tgt Ion: 83 Resp: 152099
Ion Ratio Lower Upper
83 100
55 72.1 58.6 87.8
98 48.5 40.9 61.3



#40
Benzene
Concen: 20.830 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Tgt Ion: 78 Resp: 338773
Ion Ratio Lower Upper
78 100
77 25.6 19.6 29.4





#41

Methacrylonitrile

Concen: 19.634 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.00 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

Tgt Ion: 41 Resp: 27977

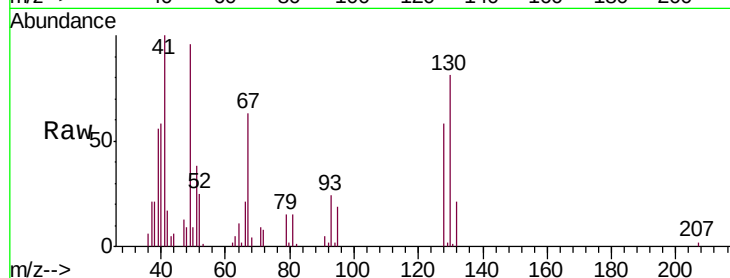
Ion Ratio Lower Upper

41 100

39 62.4 44.6 67.0

67 74.1 50.9 76.3

52 30.8 22.5 33.7

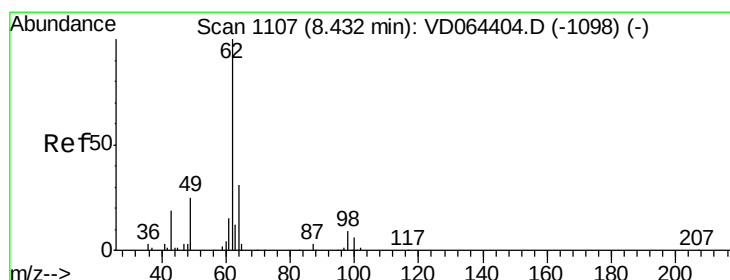
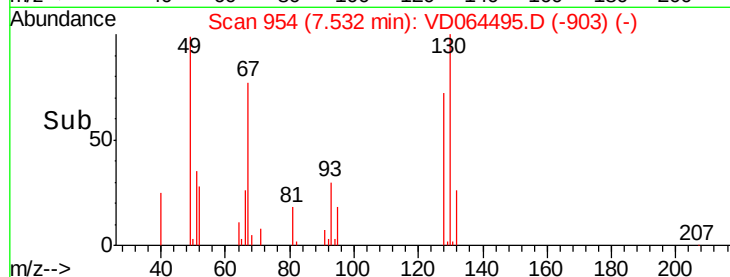
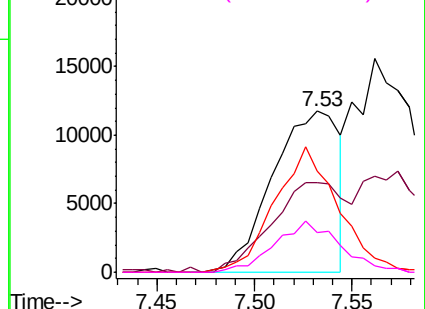


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.348 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD064495.D

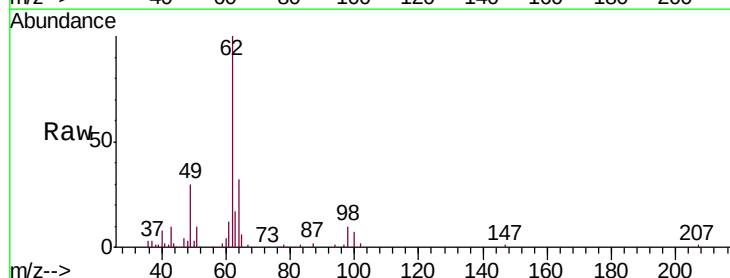
Acq: 11 Dec 2019 12:25

Tgt Ion: 62 Resp: 96508

Ion Ratio Lower Upper

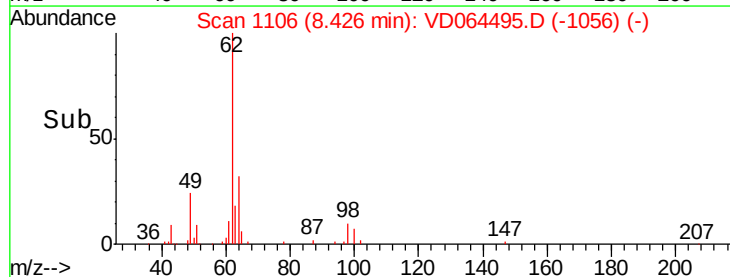
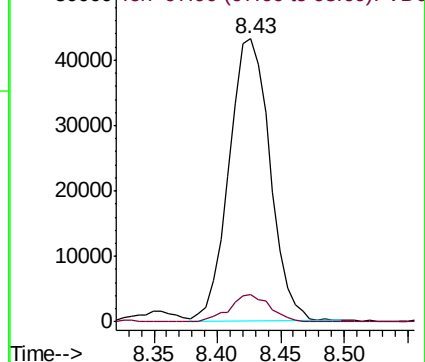
62 100

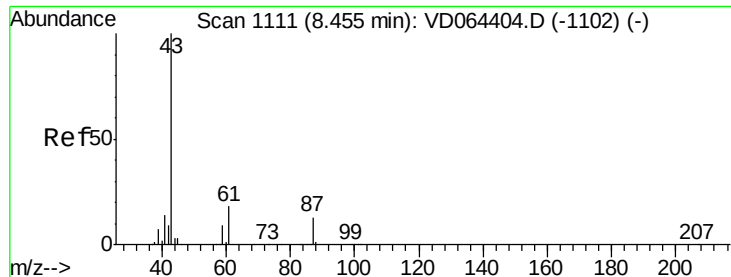
98 9.5 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

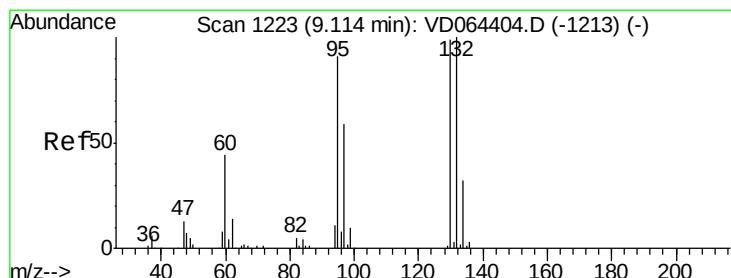
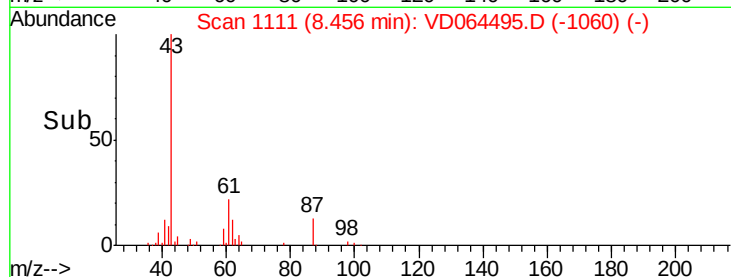
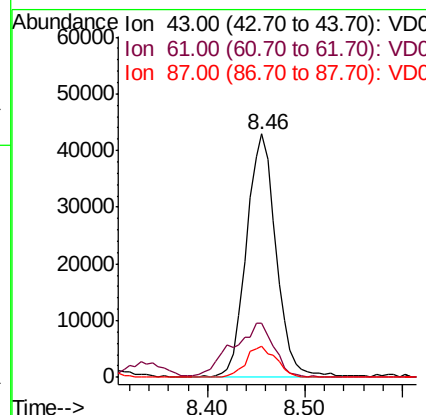
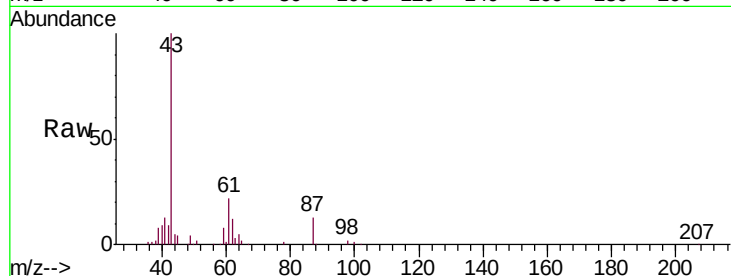




#43
Isopropyl Acetate
Concen: 18.526 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

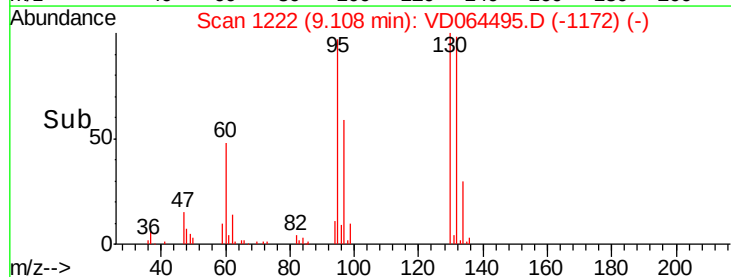
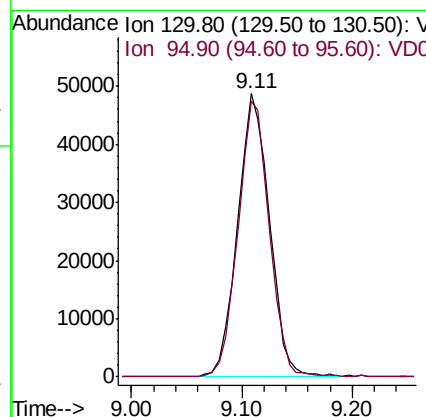
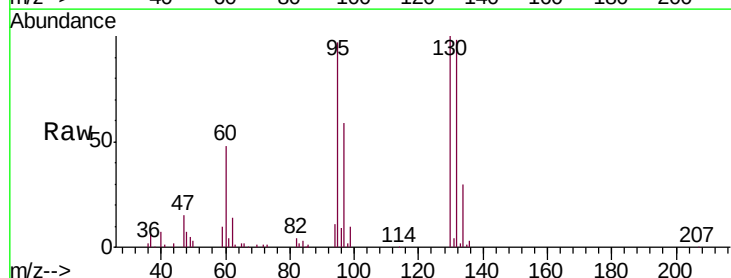
Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

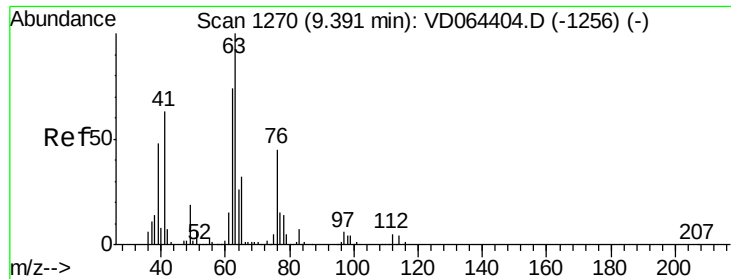
Tgt Ion: 43 Resp: 90505
Ion Ratio Lower Upper
43 100
61 31.3 24.0 36.0
87 12.9 10.6 15.8



#44
Trichloroethene
Concen: 20.143 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Tgt Ion: 130 Resp: 98681
Ion Ratio Lower Upper
130 100
95 97.3 0.0 184.6

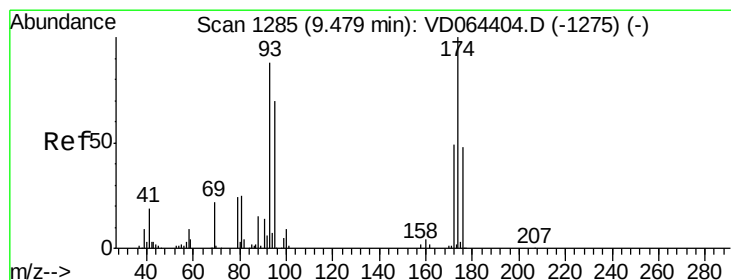
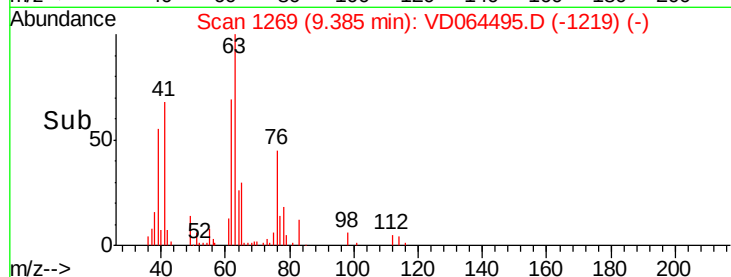
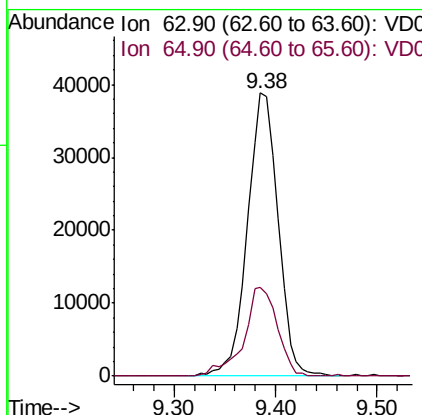
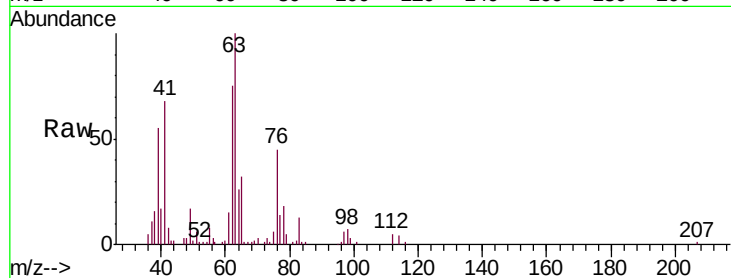




#45
 1,2-Dichloropropane
 Concen: 20.952 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD064495.D
 Acq: 11 Dec 2019 12:25

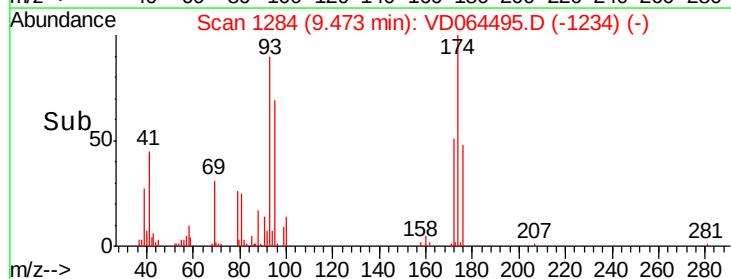
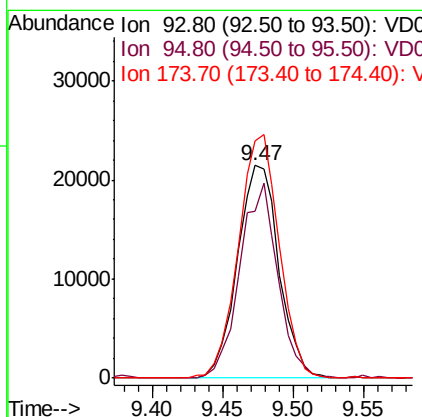
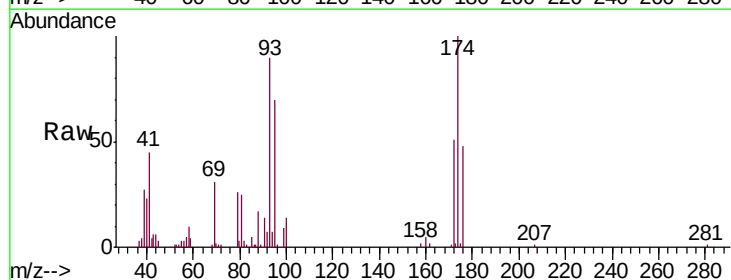
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBS01

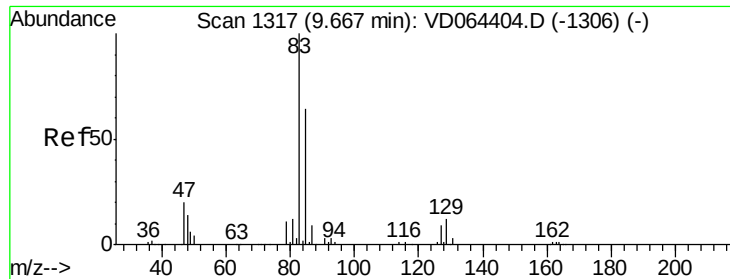
Tgt Ion: 63 Resp: 81494
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.4 38.0



#46
 Dibromomethane
 Concen: 20.146 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: VD064495.D
 Acq: 11 Dec 2019 12:25

Tgt Ion: 93 Resp: 44227
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.7 100.1
 174 112.2 92.3 138.5

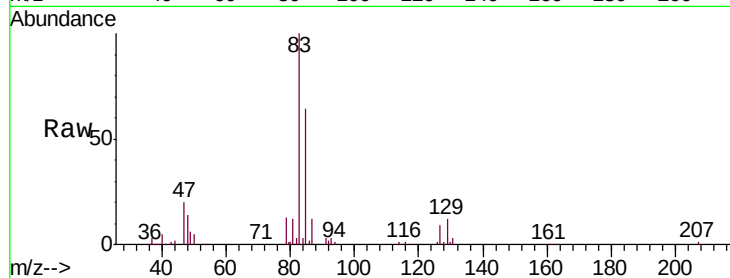




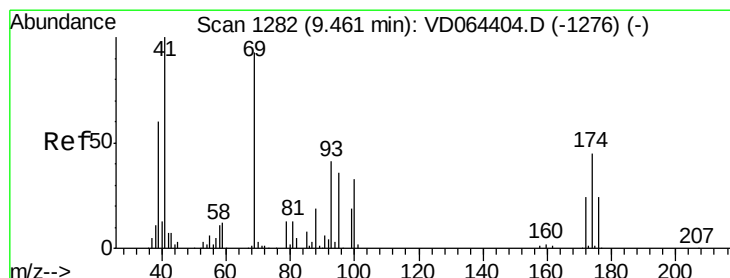
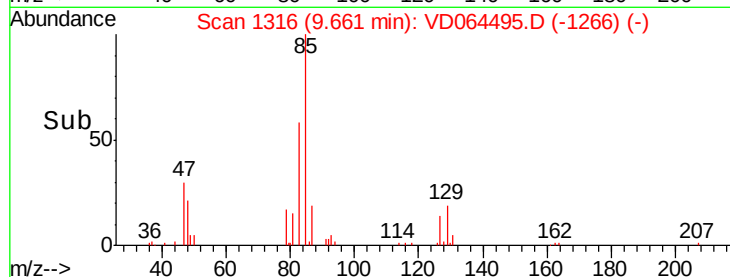
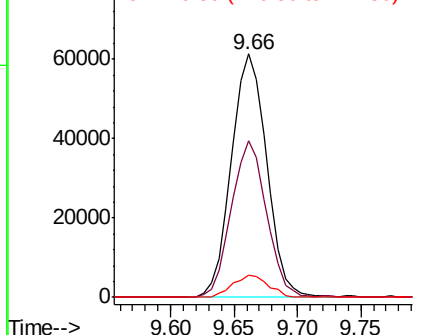
#47
Bromodichloromethane
Concen: 20.995 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tgt Ion: 83 Resp: 118429
Ion Ratio Lower Upper
83 100
85 64.2 51.1 76.7
127 9.3 7.4 11.0

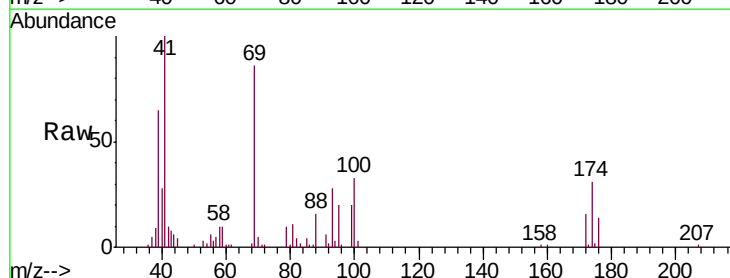


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V

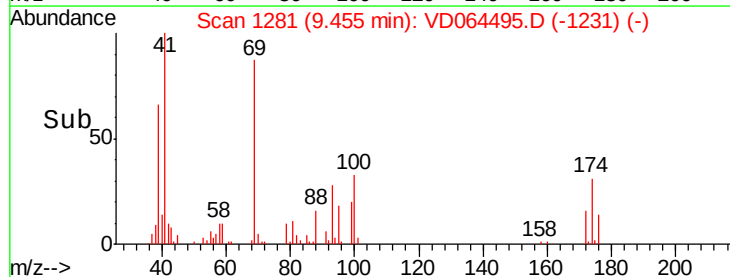
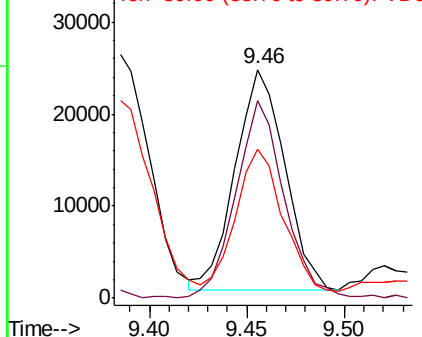


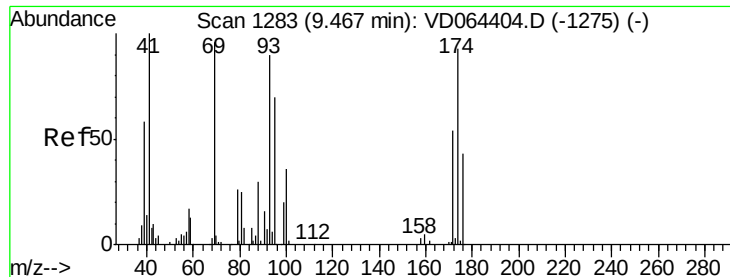
#48
Methyl methacrylate
Concen: 18.761 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Tgt Ion: 41 Resp: 41940
Ion Ratio Lower Upper
41 100
69 88.3 72.0 108.0
39 61.8 55.2 82.8



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

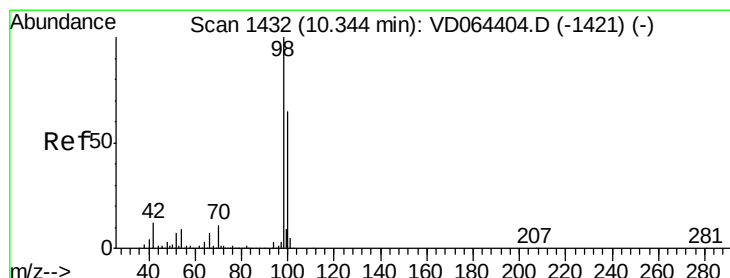
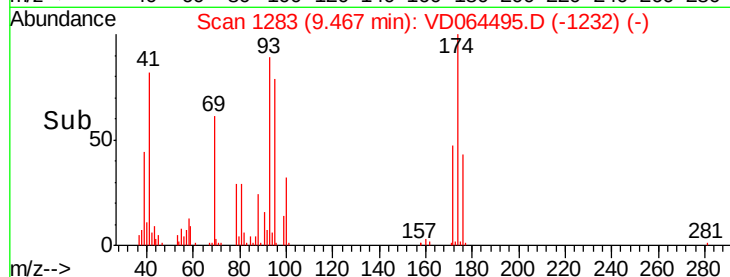
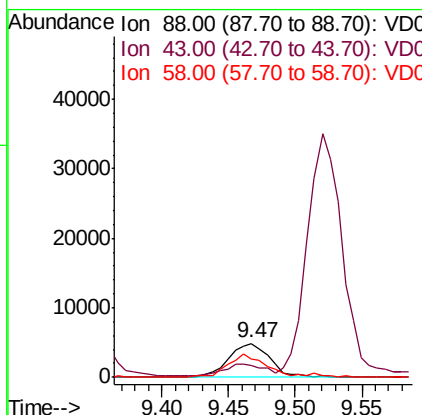
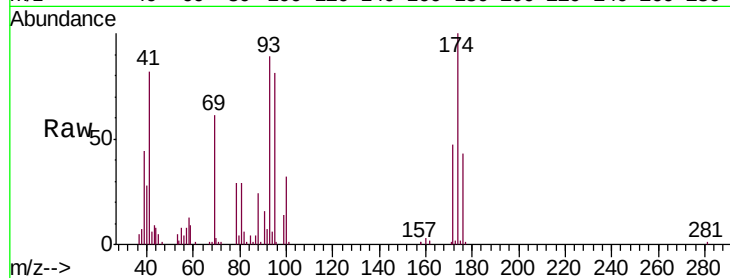




#49
1,4-Dioxane
Concen: 384.640 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

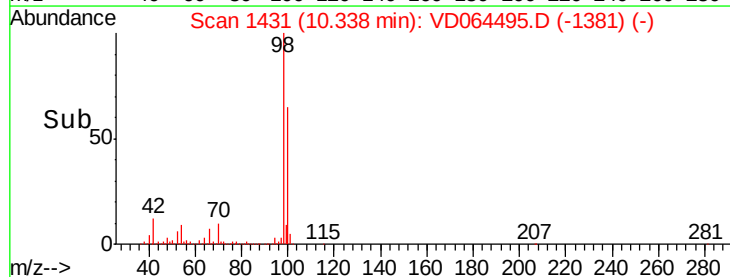
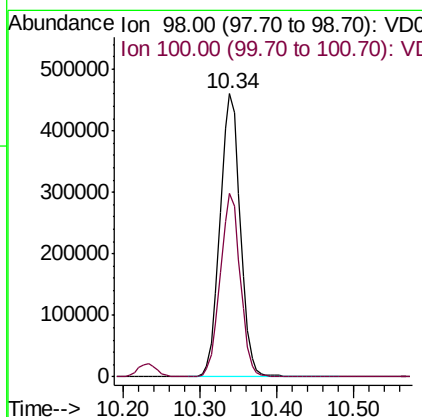
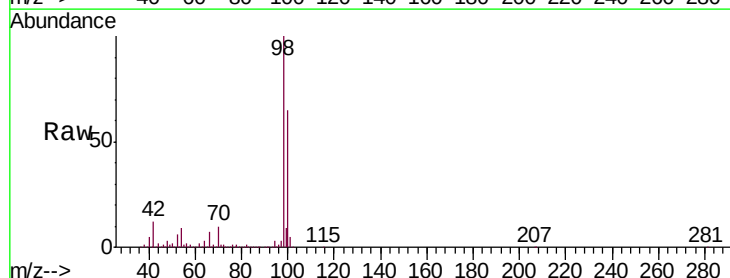
Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

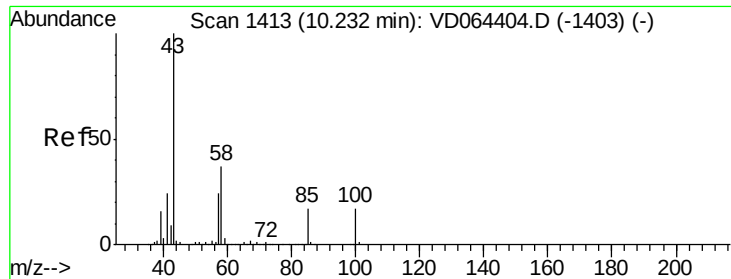
Tgt Ion: 88 Resp: 10427
Ion Ratio Lower Upper
88 100
43 34.0 26.7 40.1
58 64.1 52.3 78.5



#50
Toluene-d8
Concen: 57.114 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Tgt Ion: 98 Resp: 839166
Ion Ratio Lower Upper
98 100
100 63.9 52.6 79.0

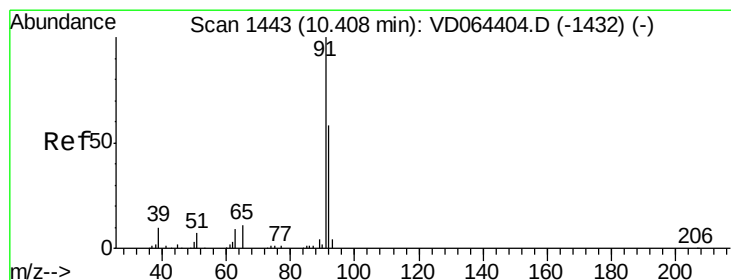
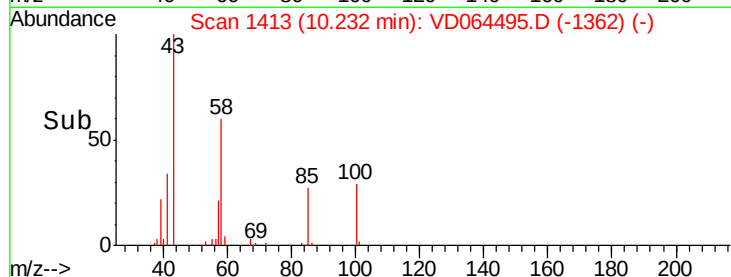
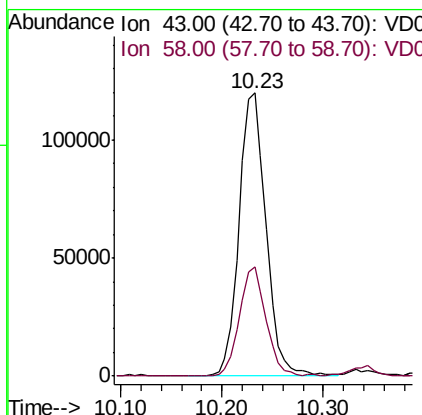
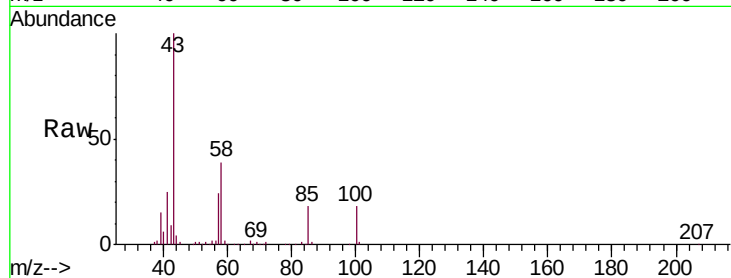




#51
4-Methyl-2-Pentanone
Concen: 91.529 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

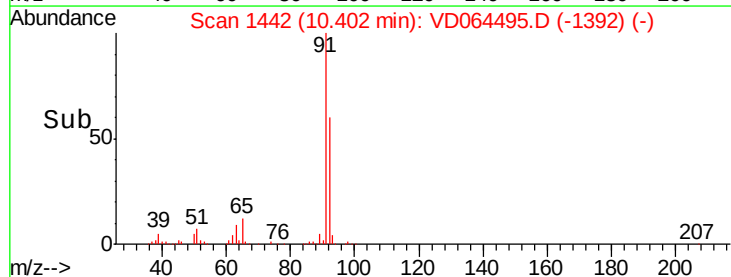
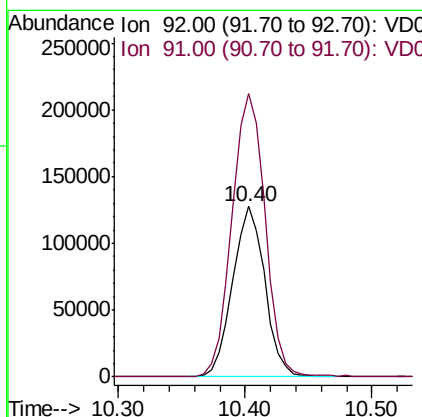
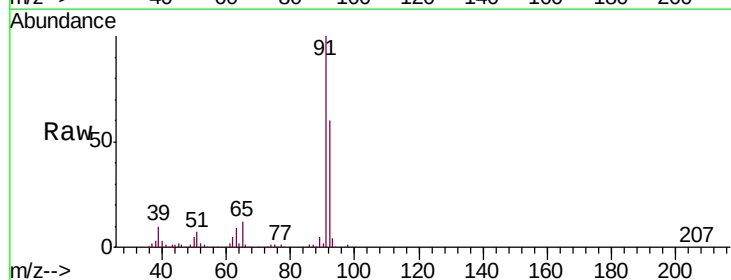
Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

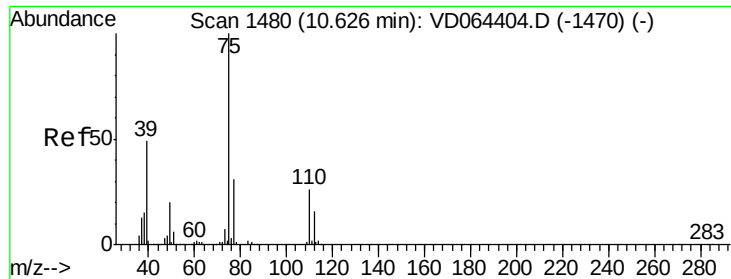
Tgt Ion: 43 Resp: 221247
Ion Ratio Lower Upper
43 100
58 38.1 30.6 46.0



#52
Toluene
Concen: 21.143 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Tgt Ion: 92 Resp: 224103
Ion Ratio Lower Upper
92 100
91 171.4 137.8 206.6





#53

t-1,3-Dichloropropene

Concen: 20.040 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

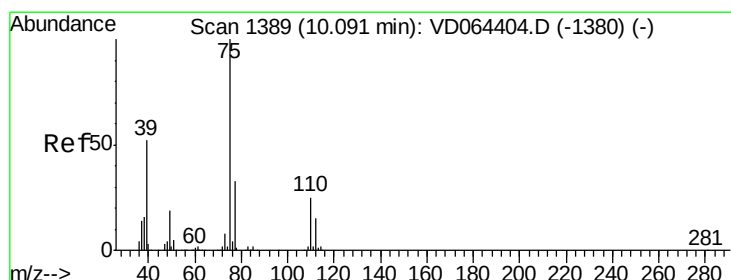
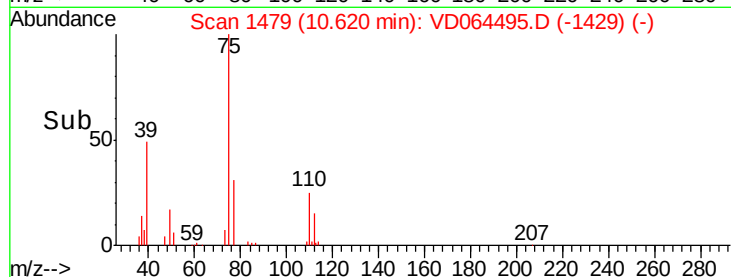
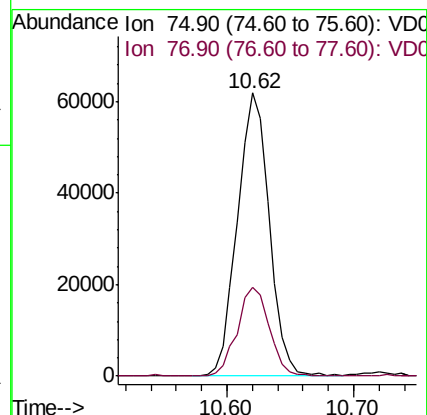
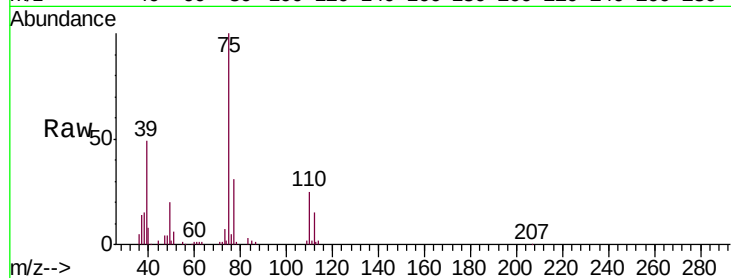
VD1211SBS01

Tgt Ion: 75 Resp: 107729

Ion Ratio Lower Upper

75 100

77 31.4 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 20.625 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

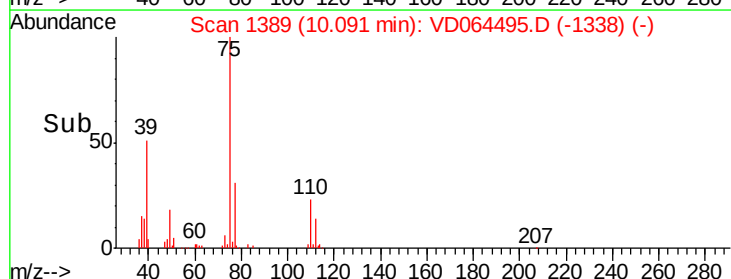
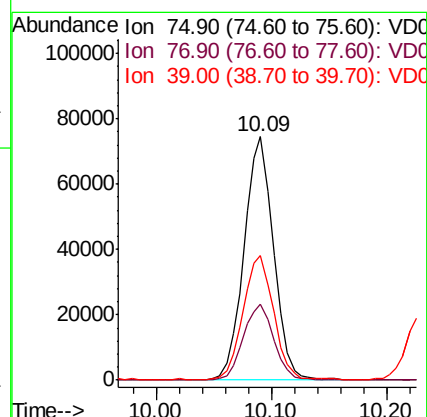
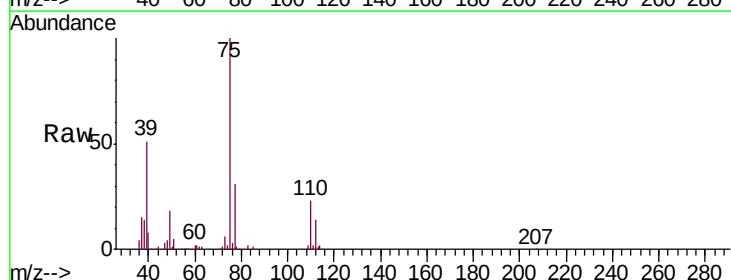
Tgt Ion: 75 Resp: 131714

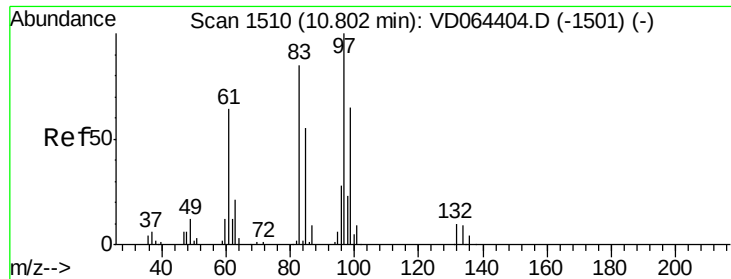
Ion Ratio Lower Upper

75 100

77 31.3 26.1 39.1

39 51.1 41.5 62.3

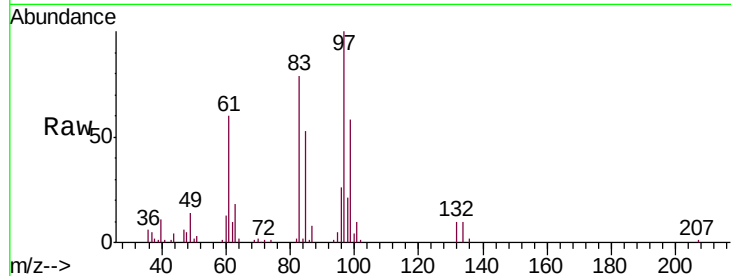




#55
 1,1,2-Trichloroethane
 Concen: 20.022 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064495.D
 Acq: 11 Dec 2019 12:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBS01

Tgt Ion	Resp	Lower	Upper
97	60185		
97	100		
83	78.7	67.8	101.8
85	52.8	43.7	65.5
99	58.3	51.7	77.5



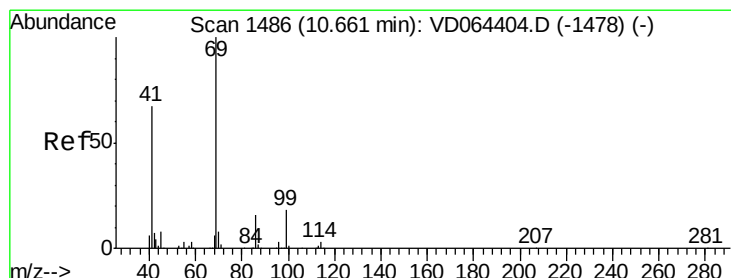
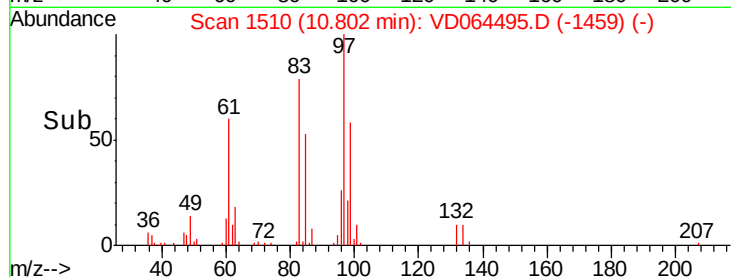
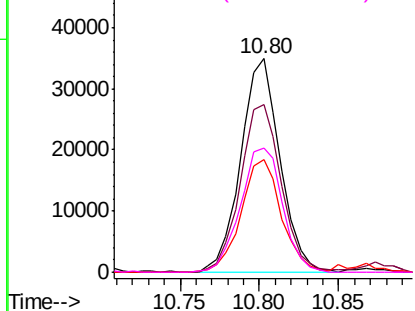
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

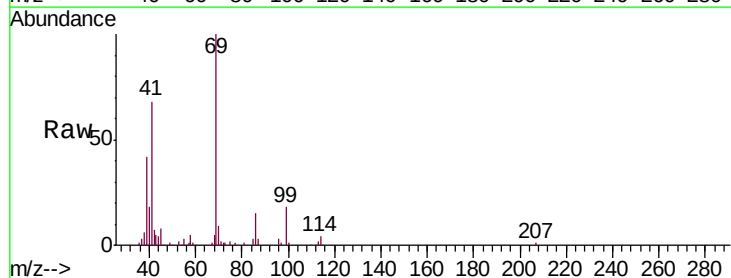
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 18.430 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064495.D
 Acq: 11 Dec 2019 12:25

Tgt Ion	Resp	Lower	Upper
69	70660		
69	100		
41	69.9	55.0	82.4
39	40.6	33.0	49.6

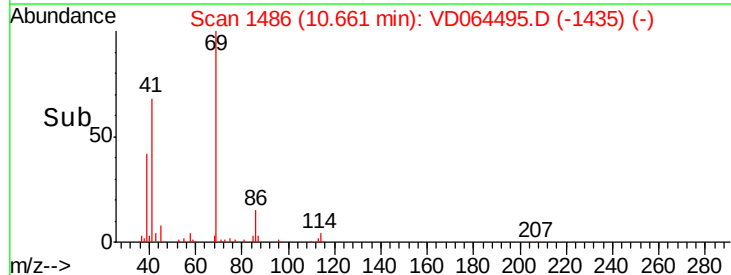
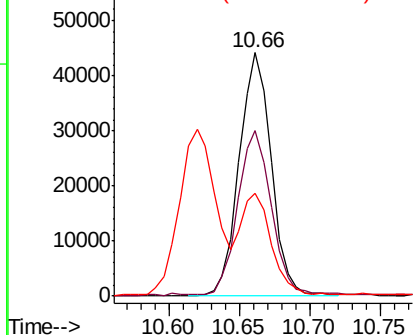


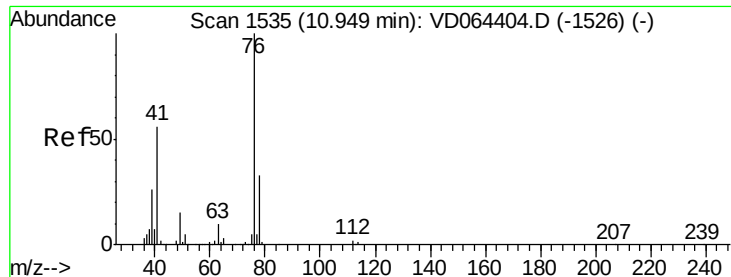
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

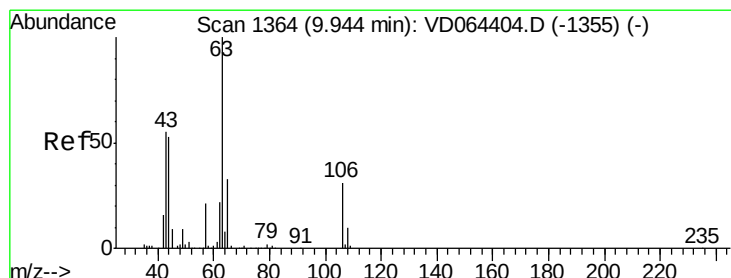
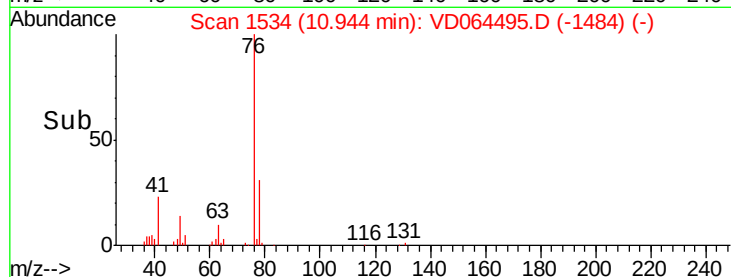
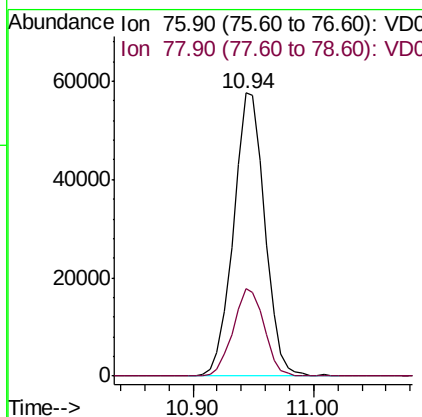
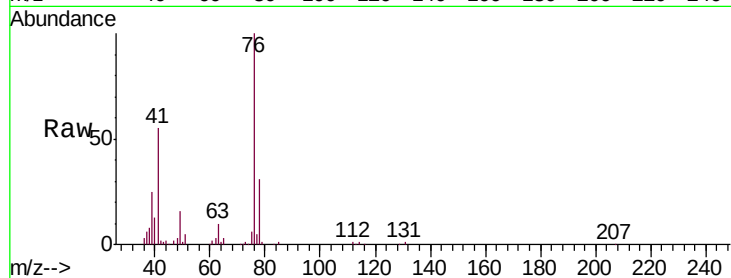




#57
 1,3-Dichloropropane
 Concen: 20.357 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VD064495.D
 Acq: 11 Dec 2019 12:25

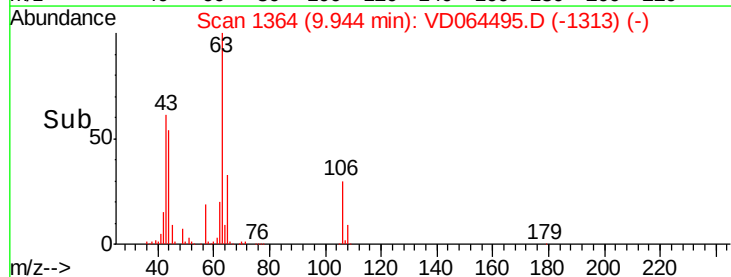
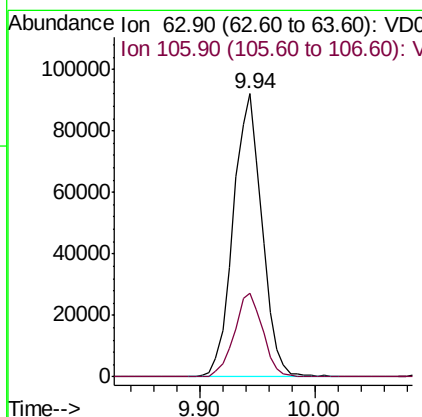
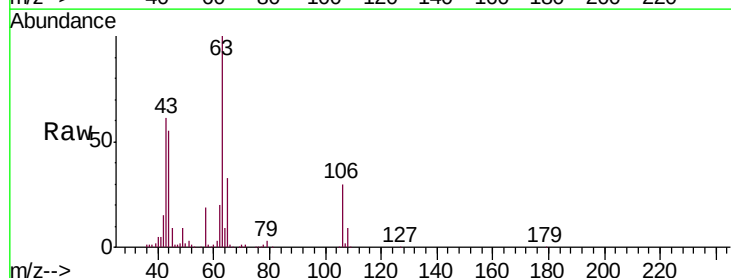
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBS01

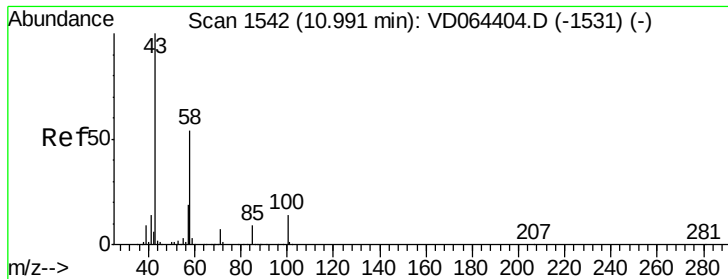
Tgt Ion: 76 Resp: 104164
 Ion Ratio Lower Upper
 76 100
 78 30.7 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.010 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064495.D
 Acq: 11 Dec 2019 12:25

Tgt Ion: 63 Resp: 158964
 Ion Ratio Lower Upper
 63 100
 106 29.1 24.2 36.4

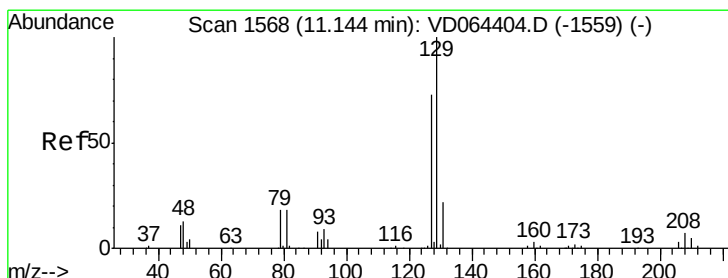
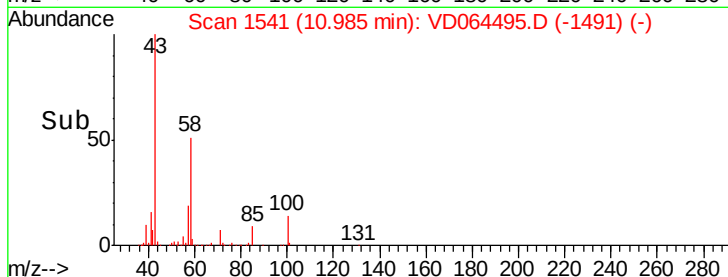
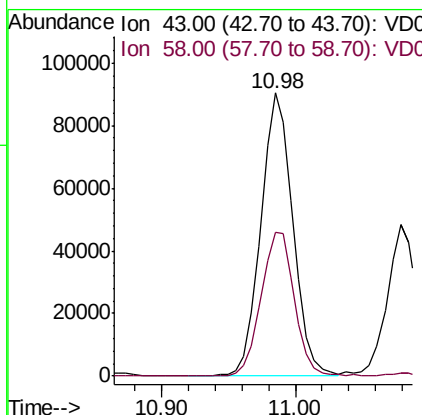
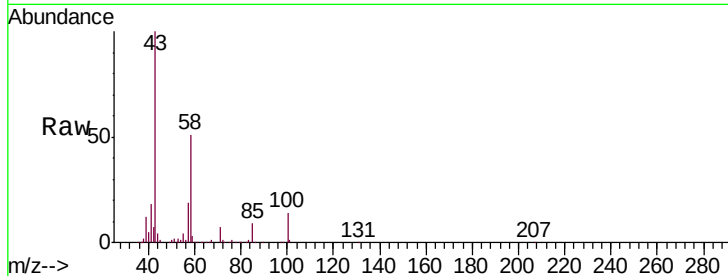




#59
2-Hexanone
Concen: 89.485 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

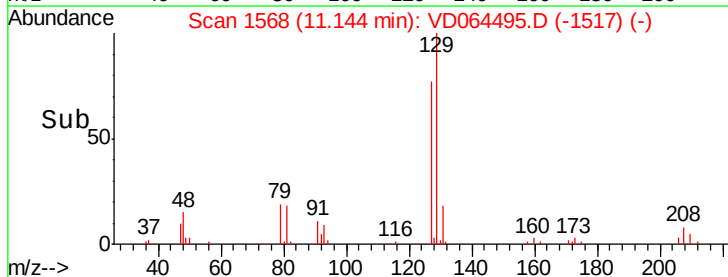
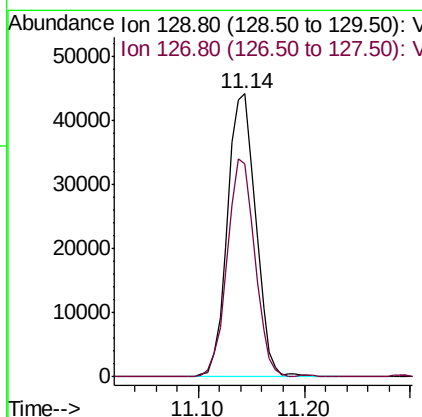
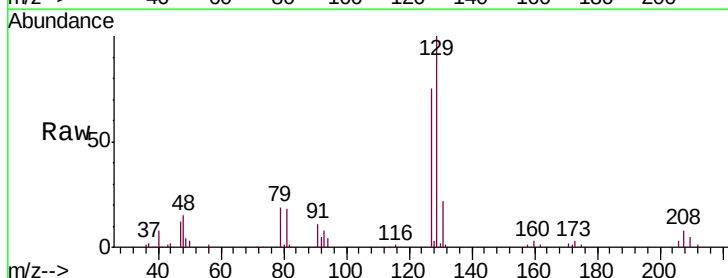
Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

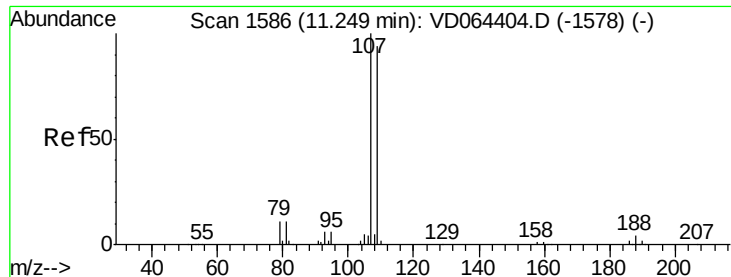
Tgt Ion: 43 Resp: 150092
Ion Ratio Lower Upper
43 100
58 53.2 26.3 78.8



#60
Dibromochloromethane
Concen: 20.068 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Tgt Ion: 129 Resp: 81790
Ion Ratio Lower Upper
129 100
127 75.4 38.1 114.3





#61

1,2-Dibromoethane

Concen: 18.995 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

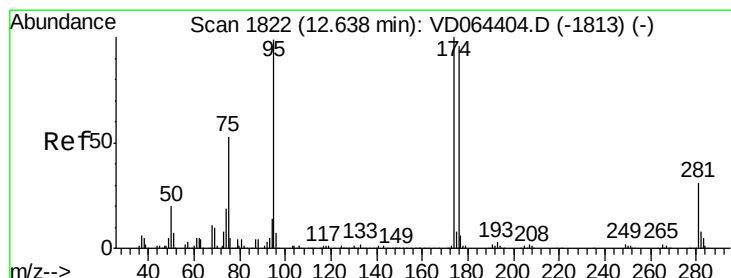
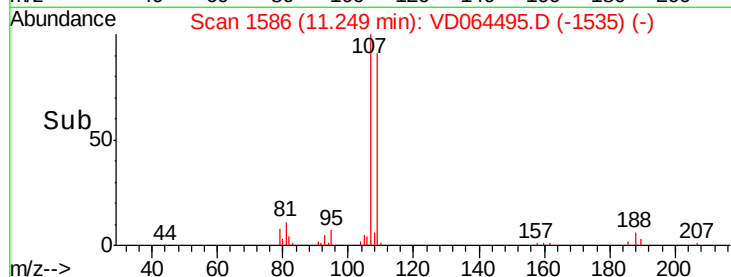
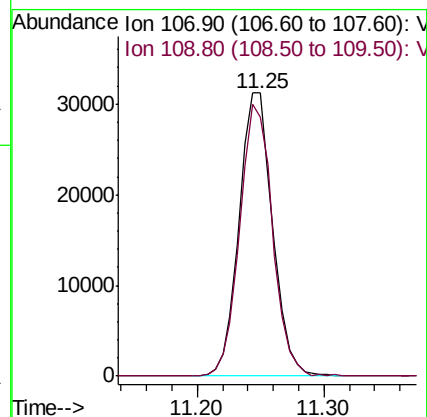
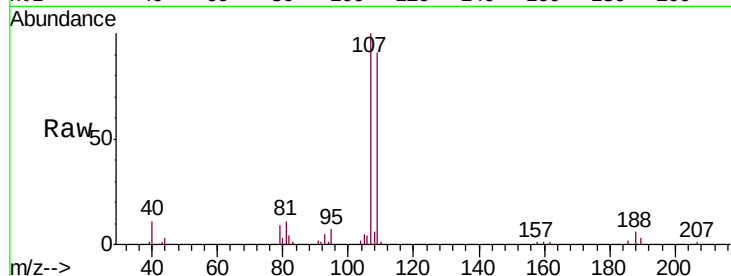
VD1211SBS01

Tgt Ion: 107 Resp: 57011

Ion Ratio Lower Upper

107 100

109 93.9 76.2 114.2



#62

4-Bromofluorobenzene

Concen: 55.063 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

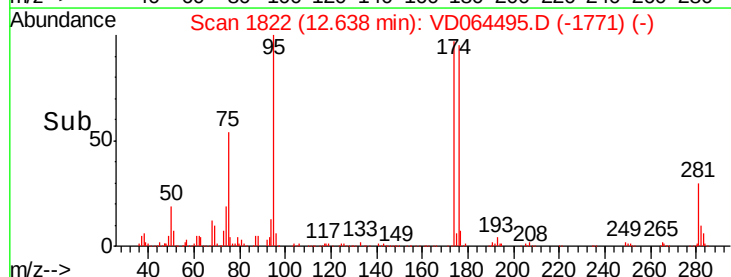
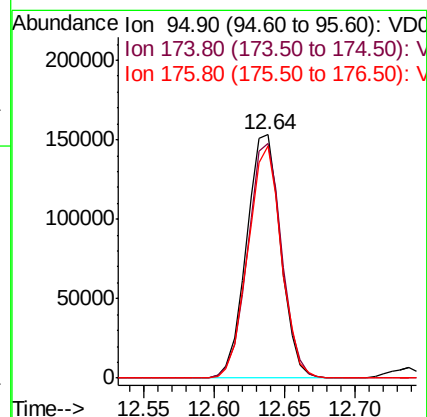
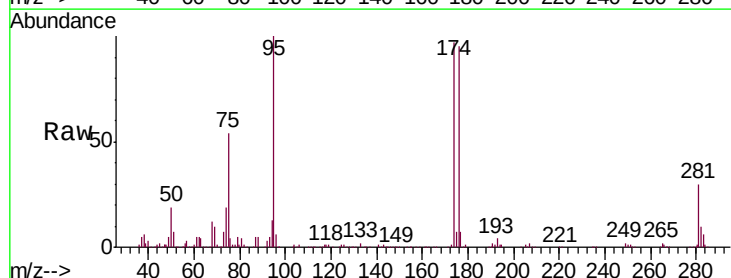
Tgt Ion: 95 Resp: 260002

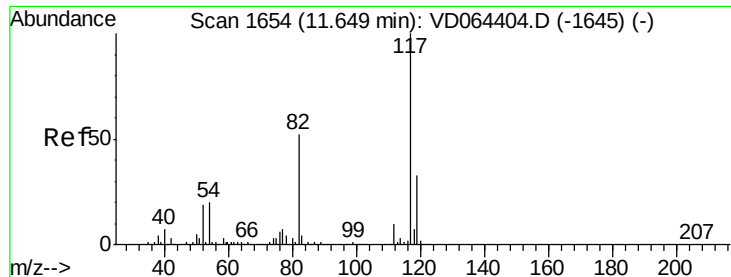
Ion Ratio Lower Upper

95 100

174 96.1 0.0 197.2

176 93.2 0.0 189.6

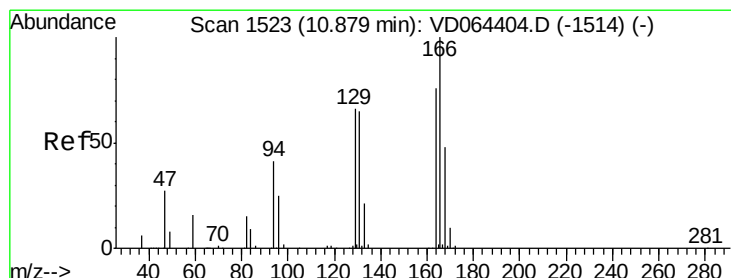
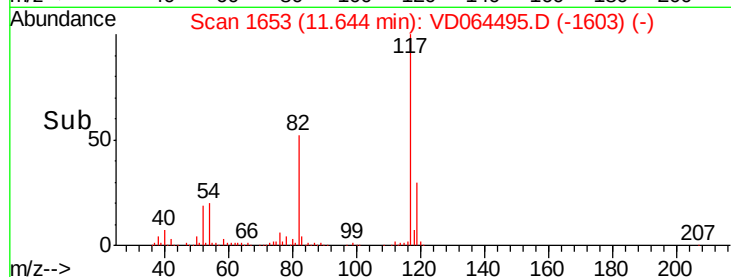
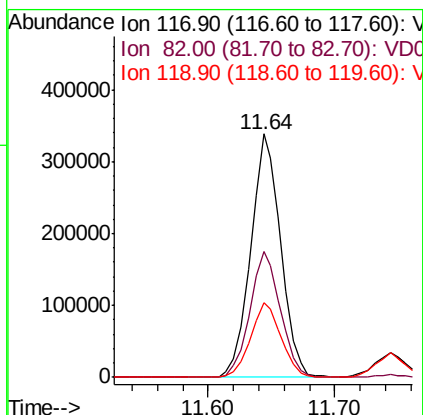
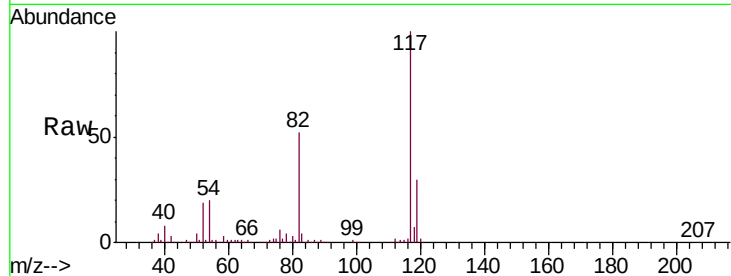




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.01 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

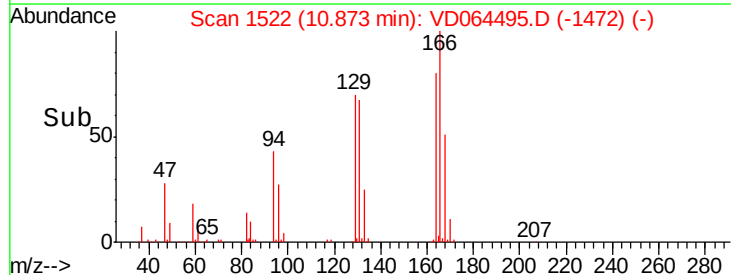
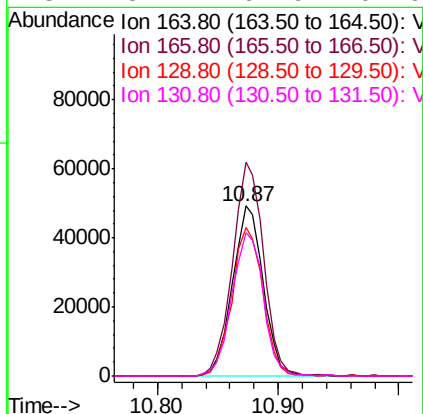
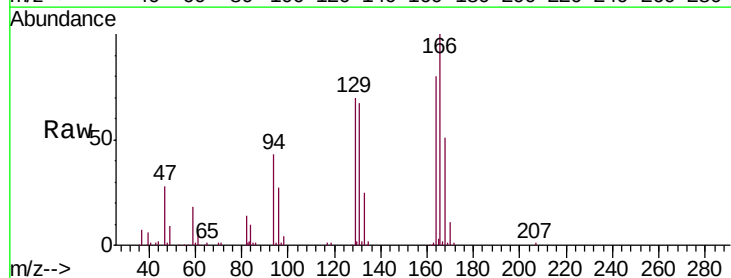
Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

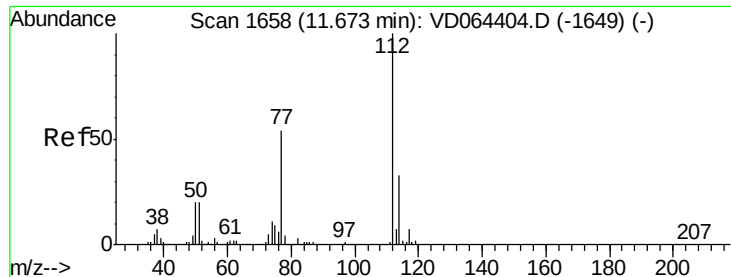
Tgt Ion:117 Resp: 555982
Ion Ratio Lower Upper
117 100
82 51.8 41.4 62.2
119 30.4 26.2 39.2



#64
Tetrachloroethene
Concen: 20.591 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Tgt Ion:164 Resp: 87303
Ion Ratio Lower Upper
164 100
166 125.5 104.8 157.2
129 87.6 68.7 103.1
131 84.2 67.9 101.9

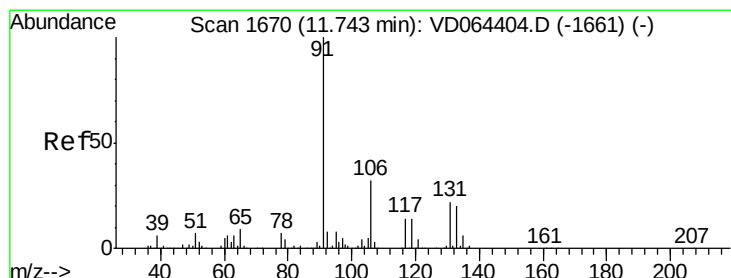
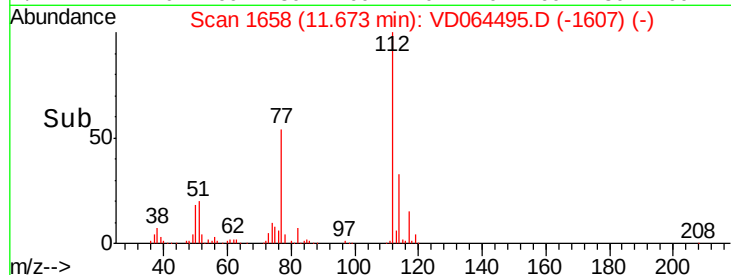
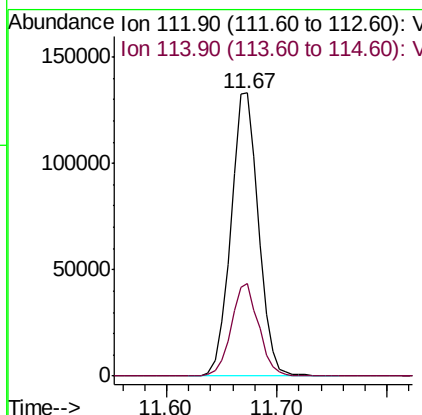
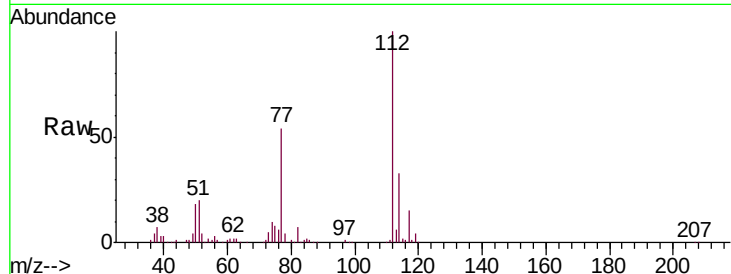




#65
Chlorobenzene
Concen: 20.179 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

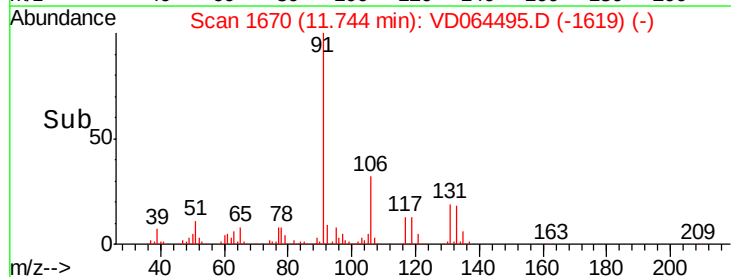
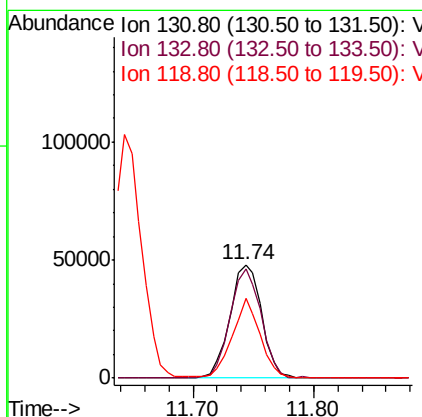
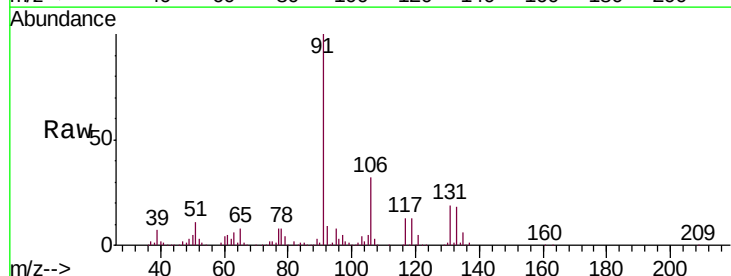
Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

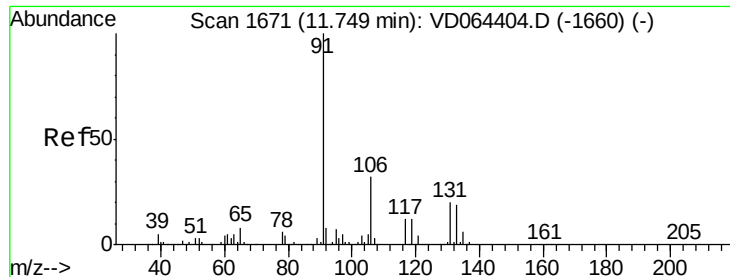
Tgt Ion:112 Resp: 233993
Ion Ratio Lower Upper
112 100
114 32.8 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 20.540 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Tgt Ion:131 Resp: 88170
Ion Ratio Lower Upper
131 100
133 94.4 48.3 144.9
119 61.7 31.9 95.9





#67

Ethyl Benzene

Concen: 20.348 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

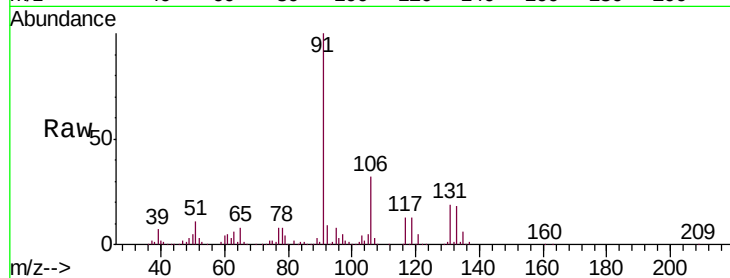
VD1211SBS01

Tgt Ion: 91 Resp: 419811

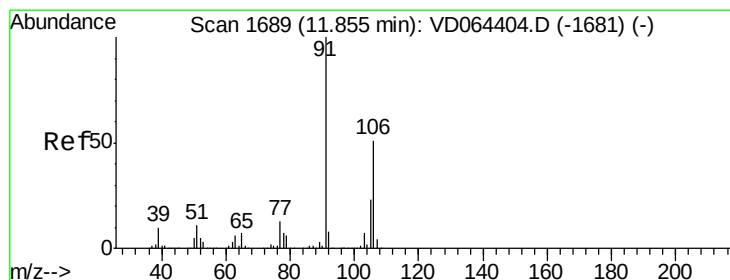
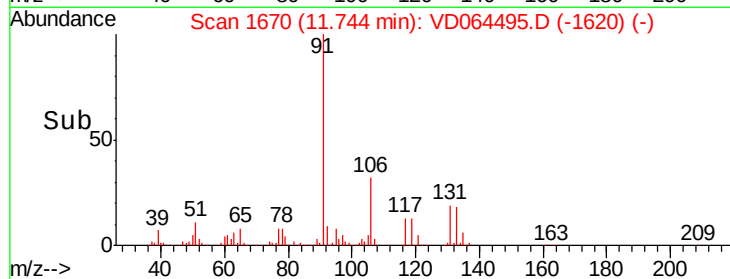
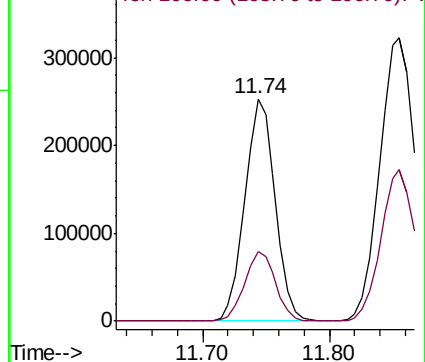
Ion Ratio Lower Upper

91 100

106 31.6 25.8 38.8



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 41.204 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064495.D

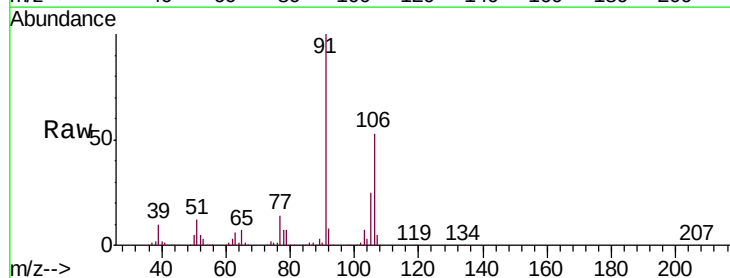
Acq: 11 Dec 2019 12:25

Tgt Ion: 106 Resp: 324144

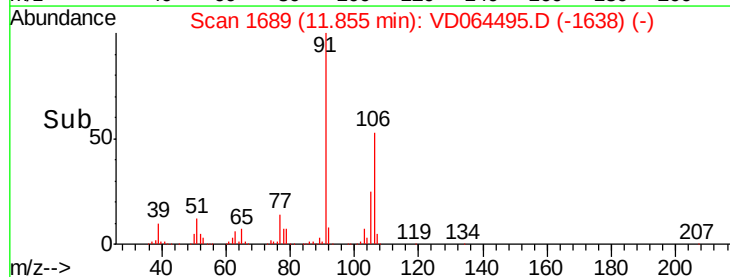
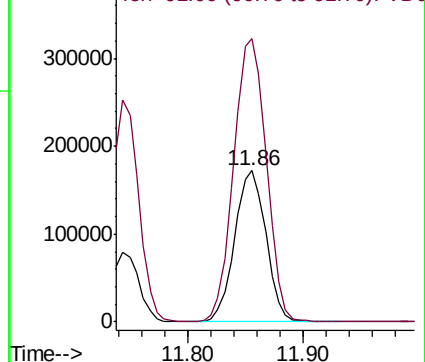
Ion Ratio Lower Upper

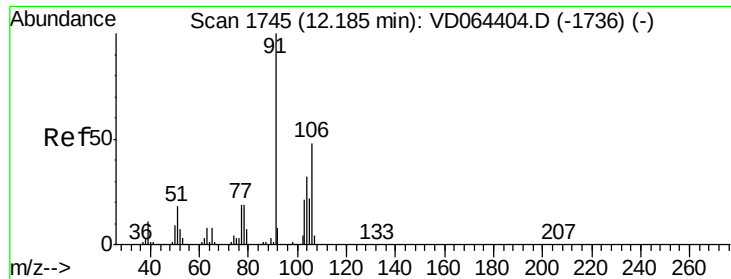
106 100

91 195.0 157.4 236.2



Abundance Ion 106.00 (105.70 to 106.70): V

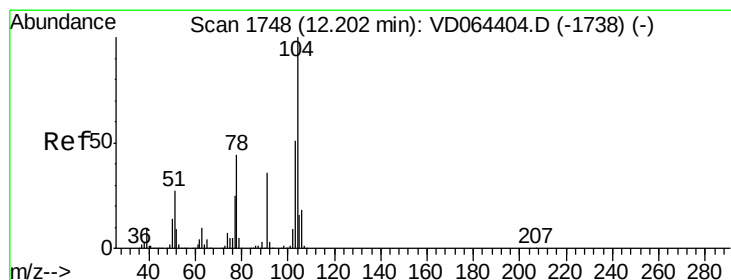
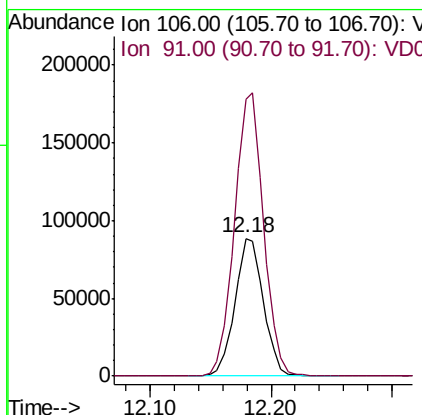
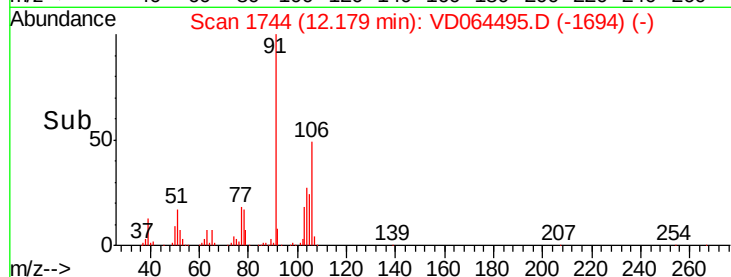
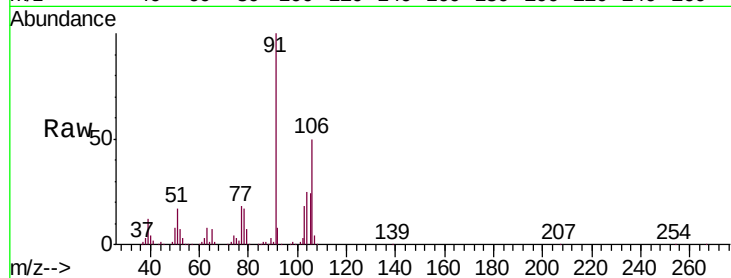




#69
o-Xylene
Concen: 20.019 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.01 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

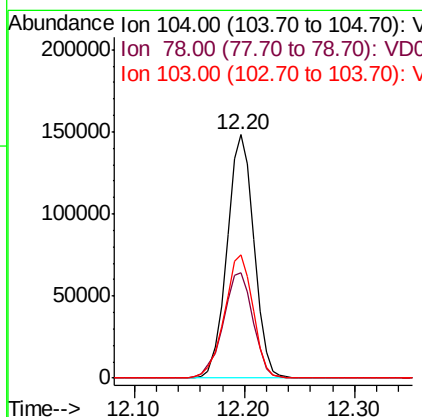
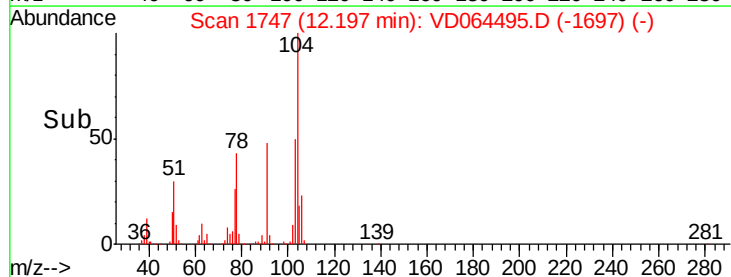
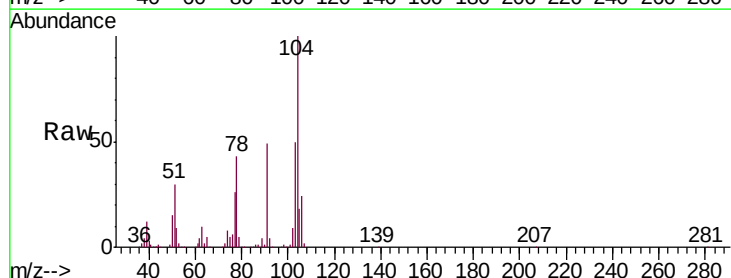
Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

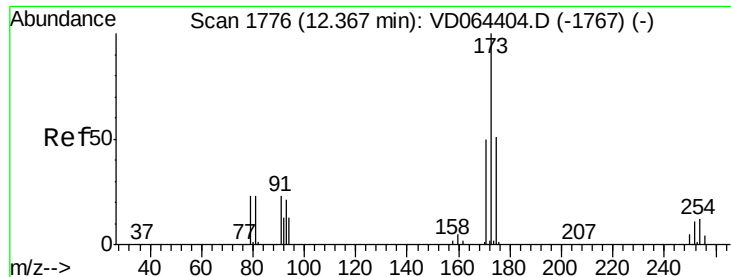
Tgt Ion:106 Resp: 145449
Ion Ratio Lower Upper
106 100
91 210.3 103.8 311.4



#70
Styrene
Concen: 20.057 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Tgt Ion:104 Resp: 253227
Ion Ratio Lower Upper
104 100
78 48.1 38.8 58.2
103 53.8 44.2 66.4

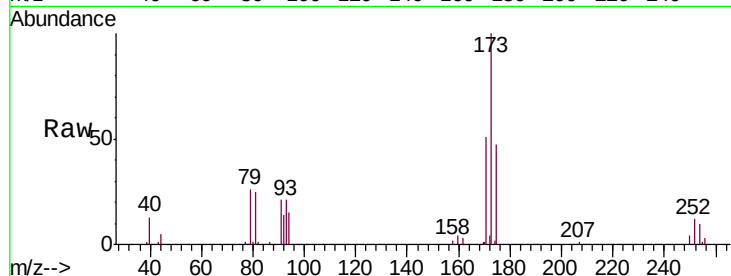




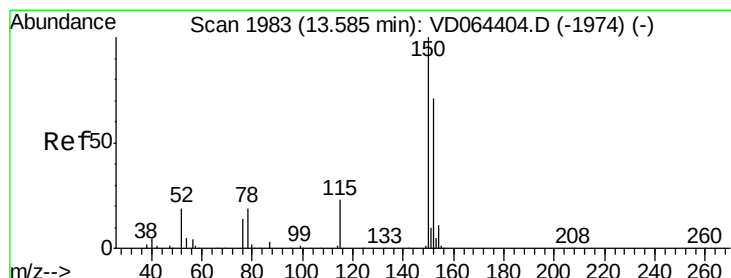
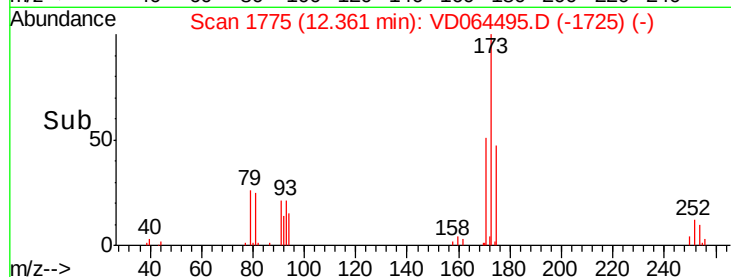
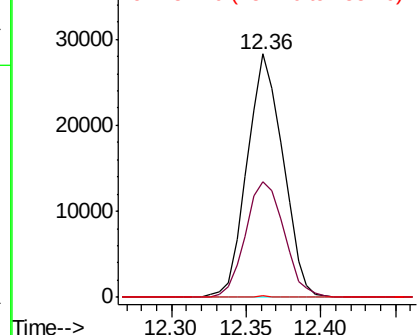
#71
Bromoform
Concen: 18.305 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tgt Ion:173 Resp: 47013
Ion Ratio Lower Upper
173 100
175 51.0 25.3 75.8
254 0.1 0.0 0.0#

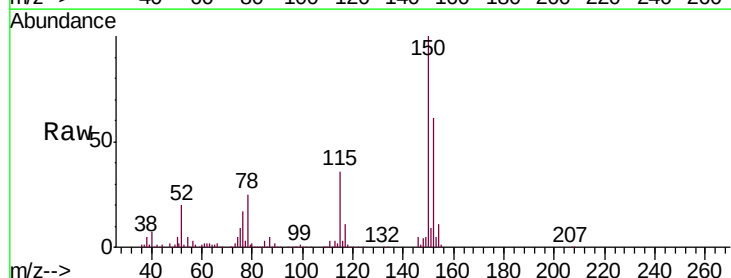


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

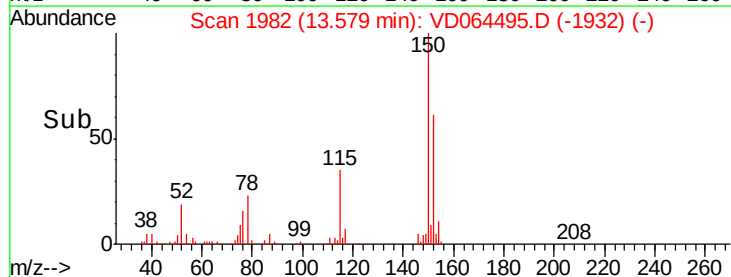
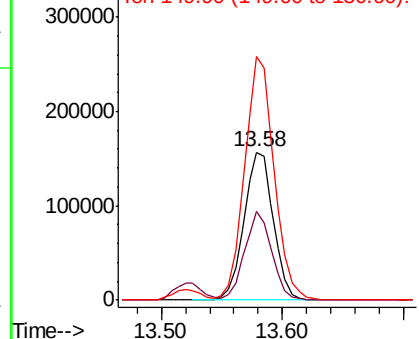


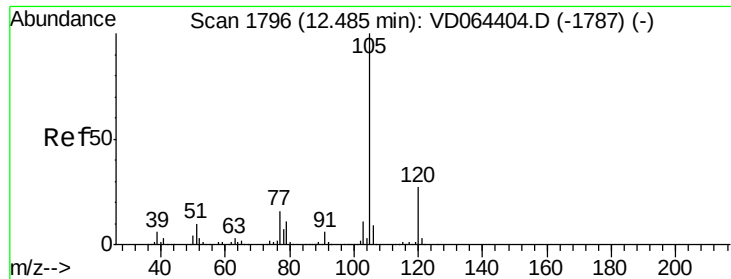
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Tgt Ion:152 Resp: 263558
Ion Ratio Lower Upper
152 100
115 55.5 26.7 80.1
150 166.5 0.0 347.2



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





#73

Isopropylbenzene

Concen: 21.348 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.01 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

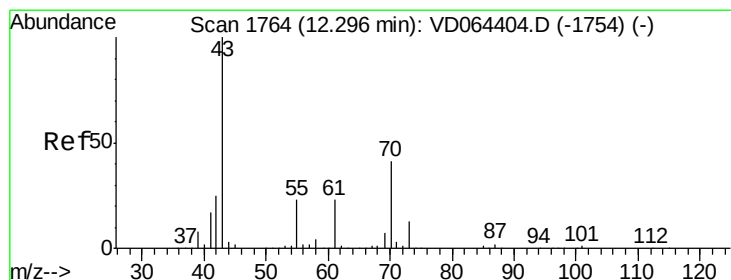
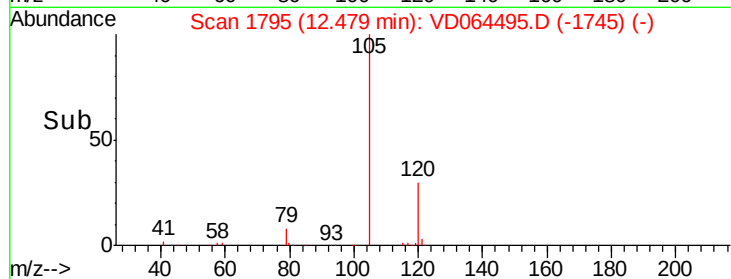
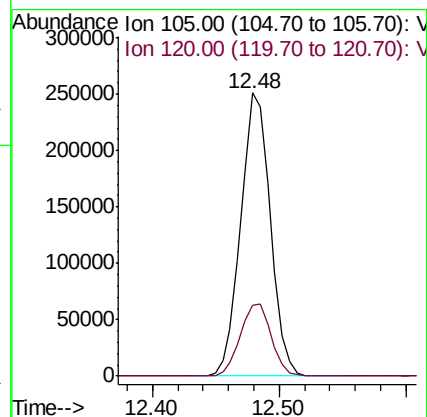
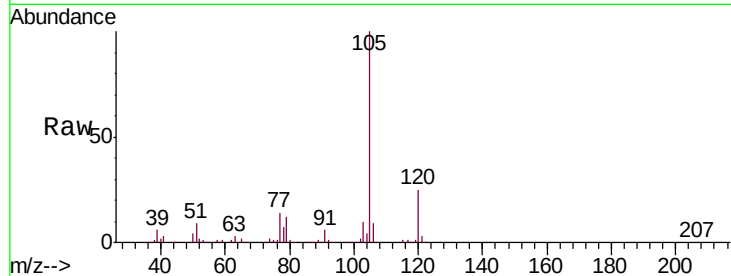
VD1211SBS01

Tgt Ion:105 Resp: 404664

Ion Ratio Lower Upper

105 100

120 26.8 13.4 40.2



#74

N-ethyl acetate

Concen: 18.921 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Tgt Ion: 43 Resp: 81400

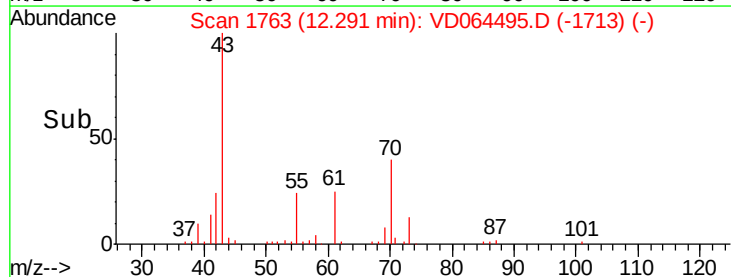
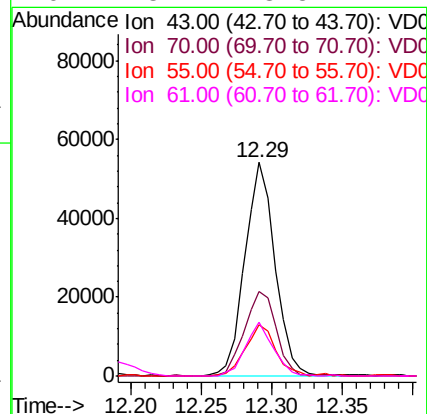
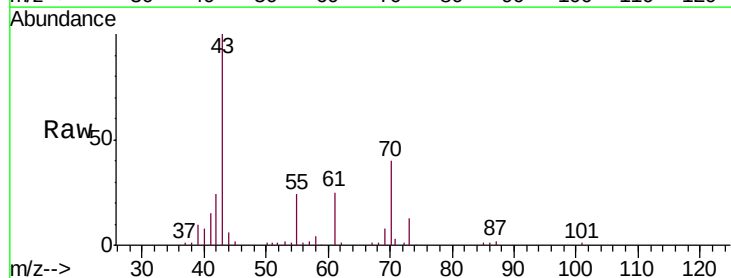
Ion Ratio Lower Upper

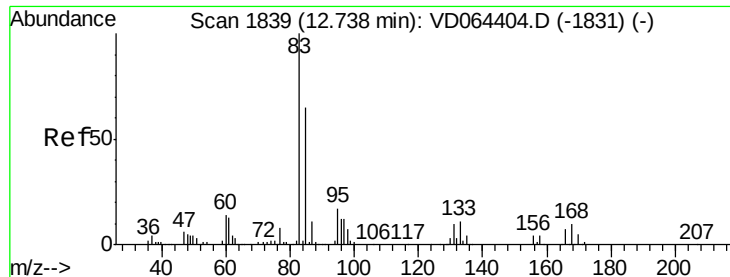
43 100

70 41.8 33.4 50.2

55 24.0 18.9 28.3

61 23.1 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.233 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

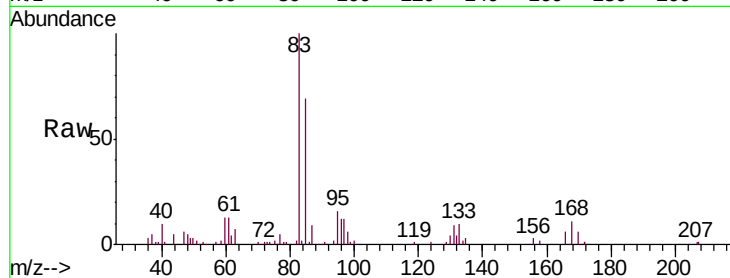
Tgt Ion: 83 Resp: 60289

Ion Ratio Lower Upper

83 100

131 11.4 5.7 17.0

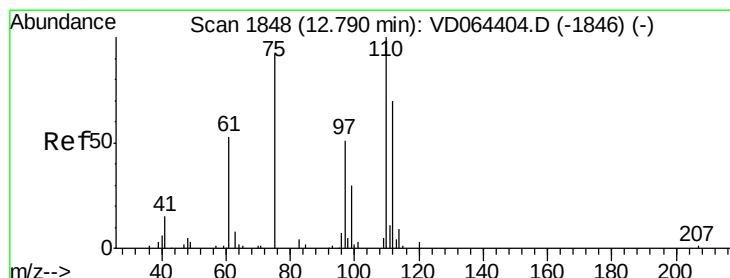
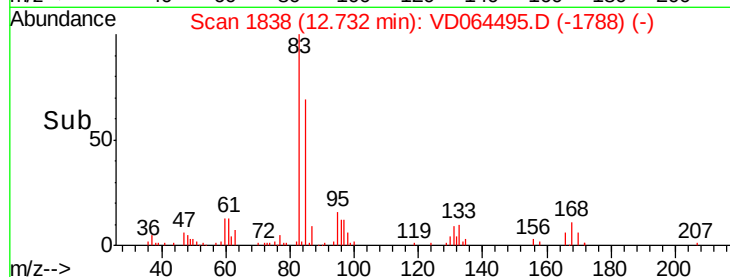
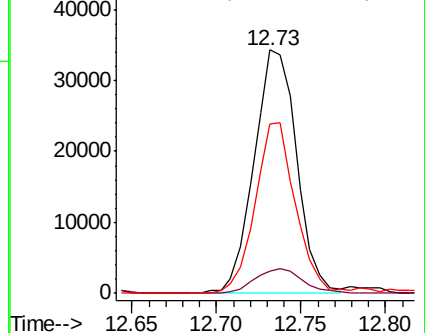
85 66.1 31.3 93.9



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 37.870 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD064495.D

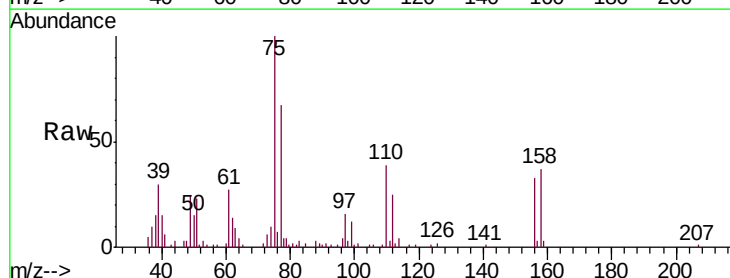
Acq: 11 Dec 2019 12:25

Tgt Ion: 75 Resp: 82080

Ion Ratio Lower Upper

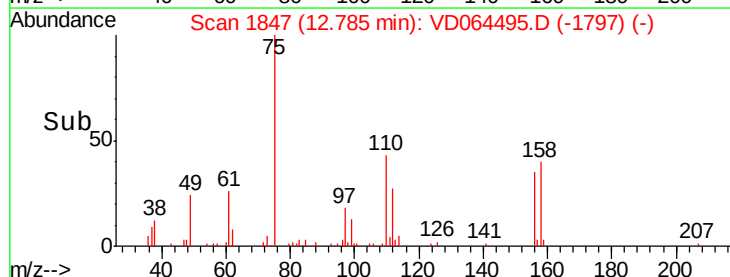
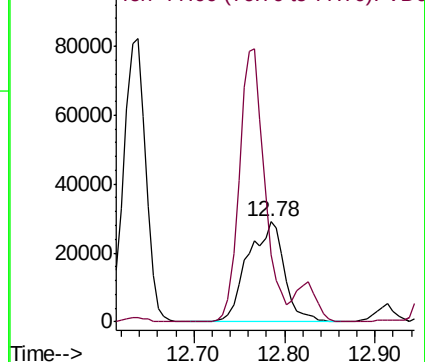
75 100

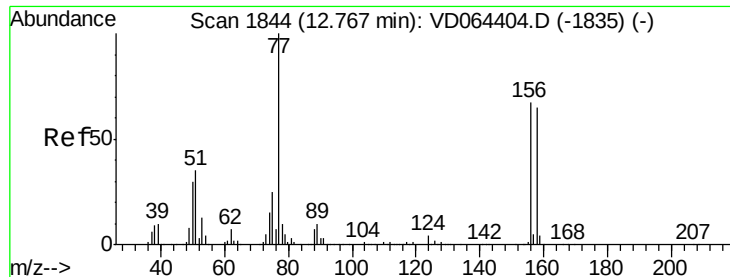
77 187.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 21.361 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

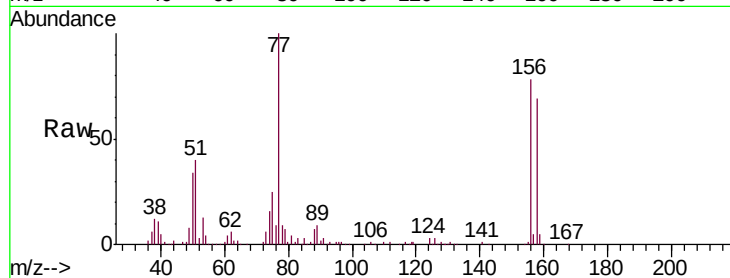
Tgt Ion:156 Resp: 99992

Ion Ratio Lower Upper

156 100

77 154.0 80.0 240.2

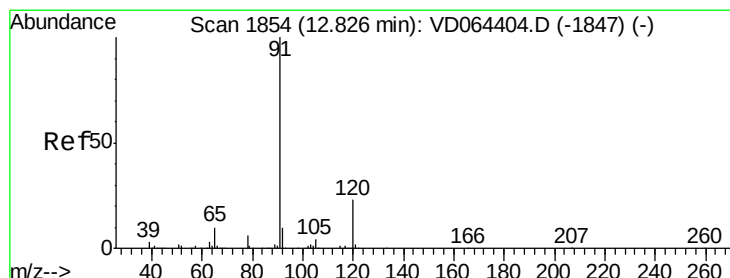
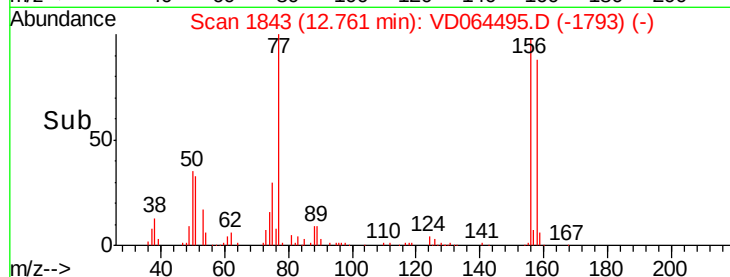
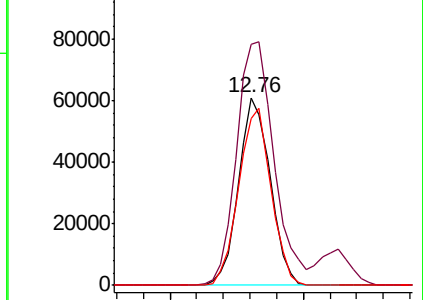
158 96.3 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.596 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VD064495.D

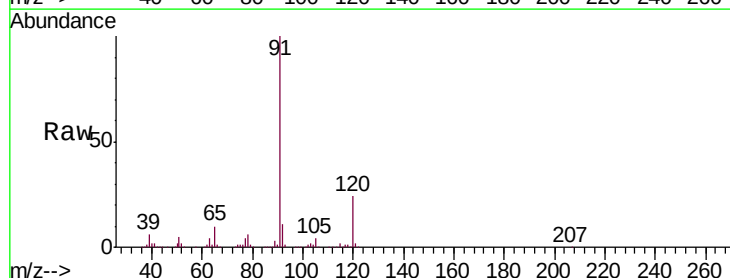
Acq: 11 Dec 2019 12:25

Tgt Ion: 91 Resp: 472312

Ion Ratio Lower Upper

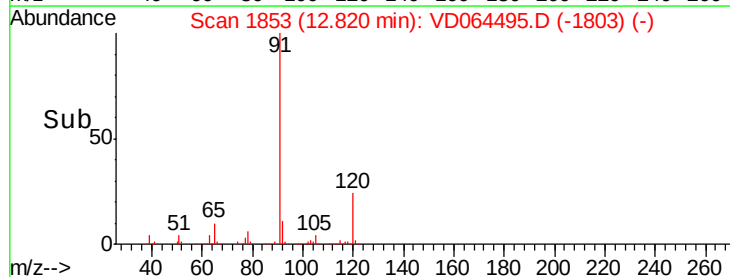
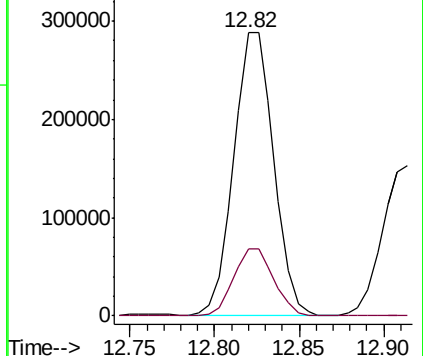
91 100

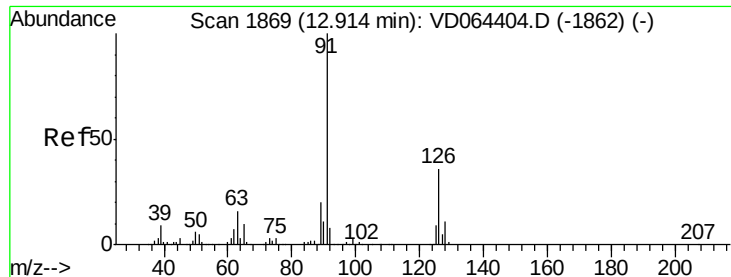
120 23.8 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

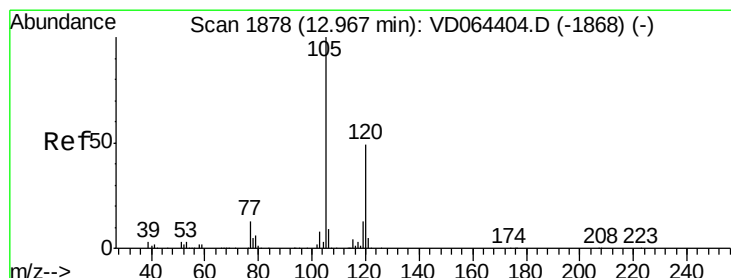
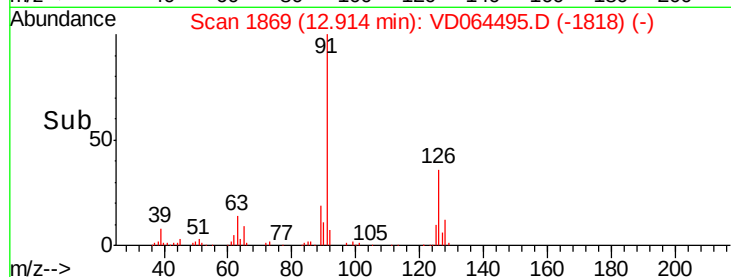
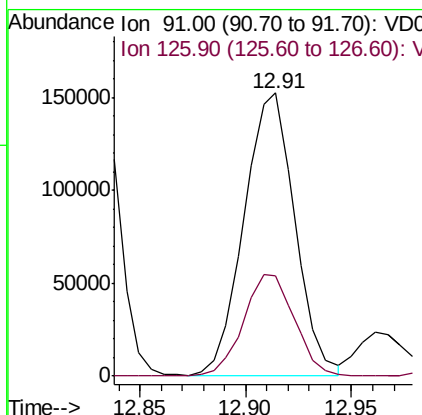
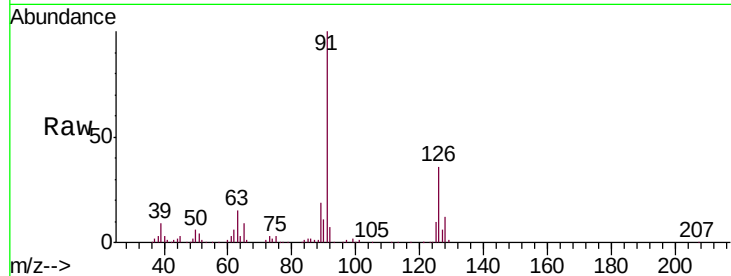




#79
 2-Chlorotoluene
 Concen: 21.190 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD064495.D
 Acq: 11 Dec 2019 12:25

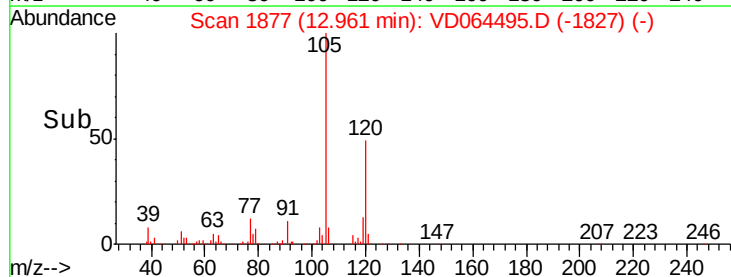
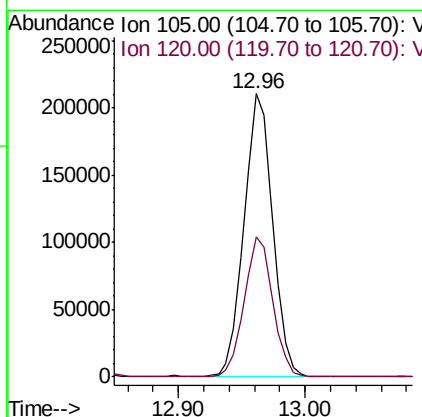
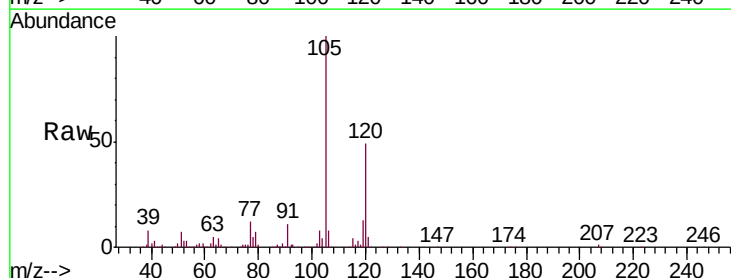
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBS01

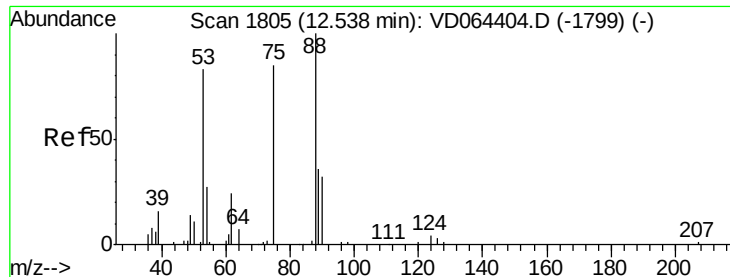
Tgt Ion: 91 Resp: 255010
 Ion Ratio Lower Upper
 91 100
 126 36.2 18.0 54.0



#80
 1,3,5-Trimethylbenzene
 Concen: 21.353 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. -0.01 min
 Lab File: VD064495.D
 Acq: 11 Dec 2019 12:25

Tgt Ion: 105 Resp: 330762
 Ion Ratio Lower Upper
 105 100
 120 49.4 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 19.859 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

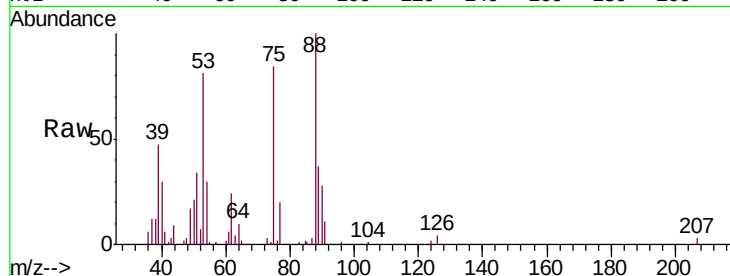
Tgt Ion: 75 Resp: 19740

Ion Ratio Lower Upper

75 100

53 99.7 81.0 121.6

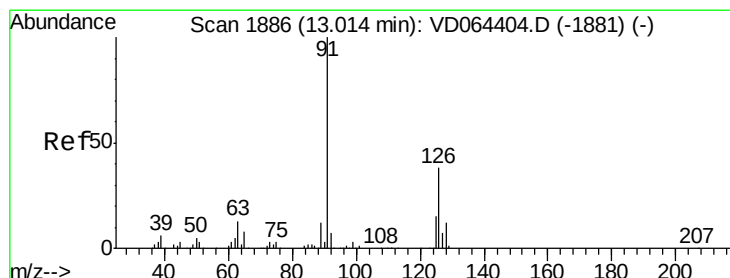
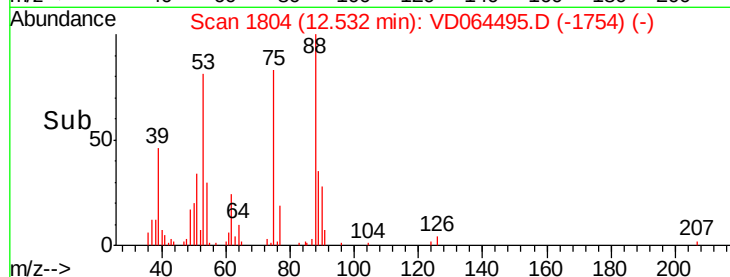
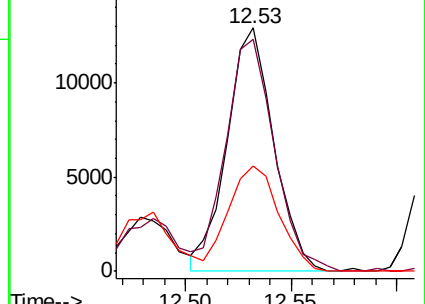
89 46.8 38.5 57.7



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 21.279 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064495.D

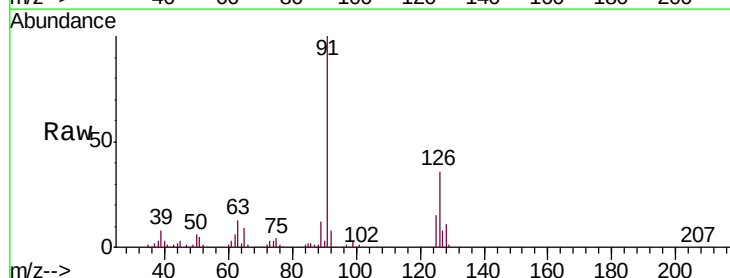
Acq: 11 Dec 2019 12:25

Tgt Ion: 91 Resp: 271131

Ion Ratio Lower Upper

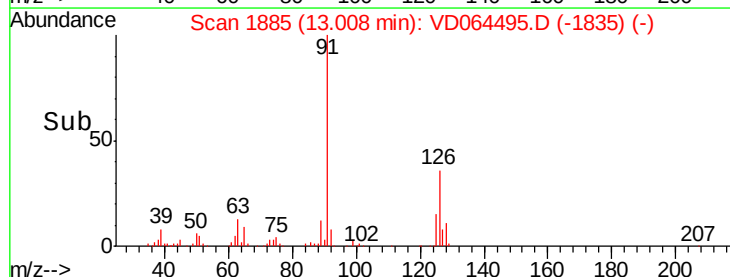
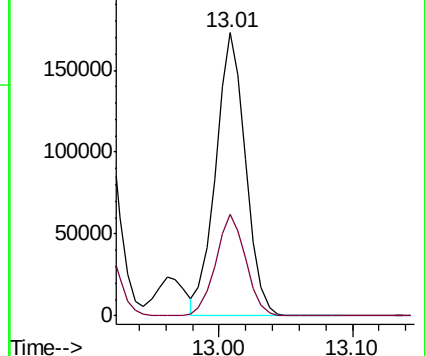
91 100

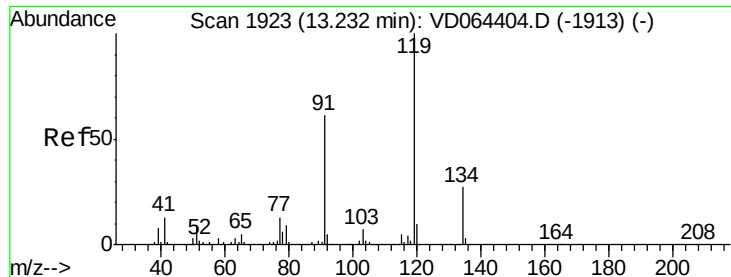
126 36.2 18.2 54.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

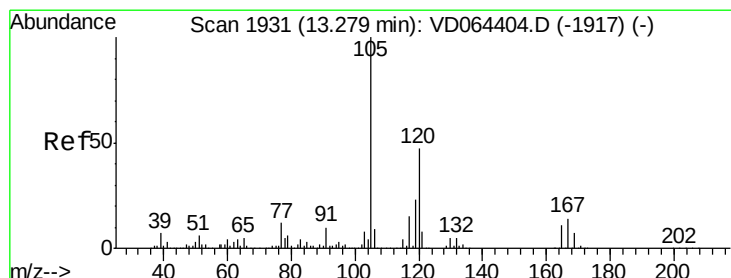
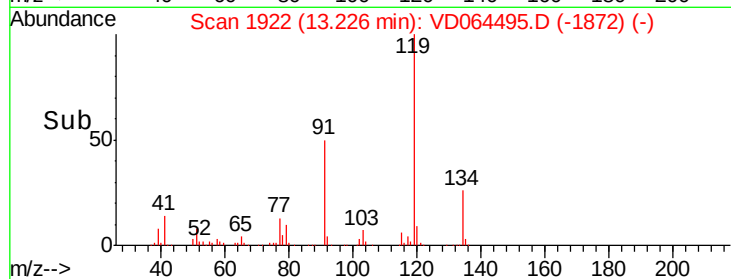
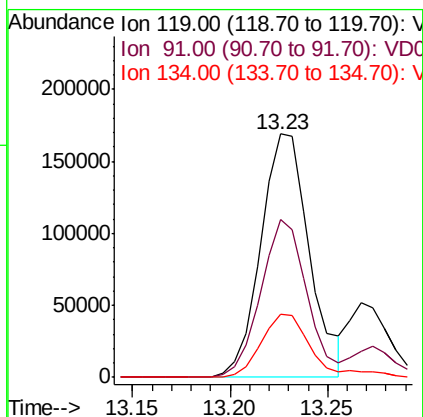
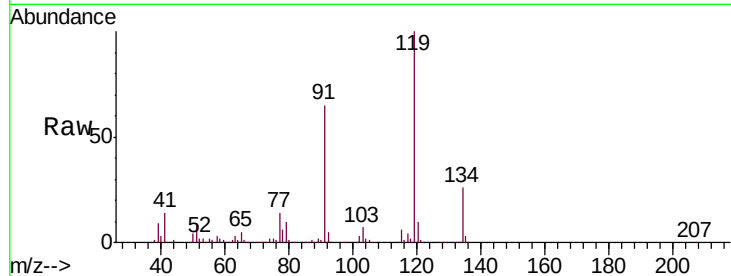




#83
 tert-Butylbenzene
 Concen: 21.695 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.01 min
 Lab File: VD064495.D
 Acq: 11 Dec 2019 12:25

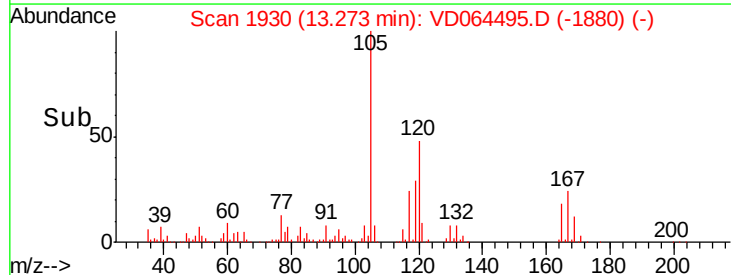
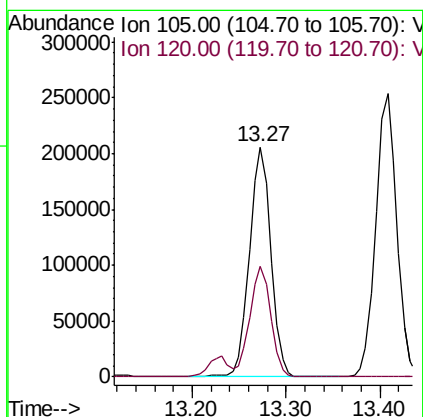
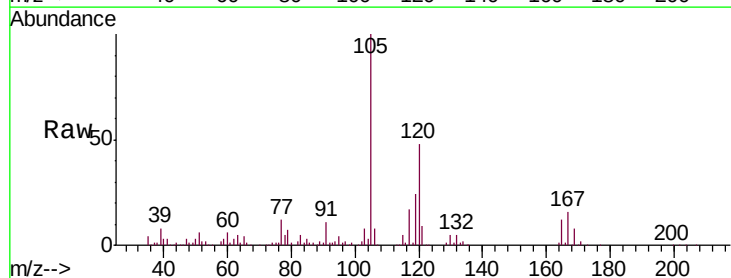
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBS01

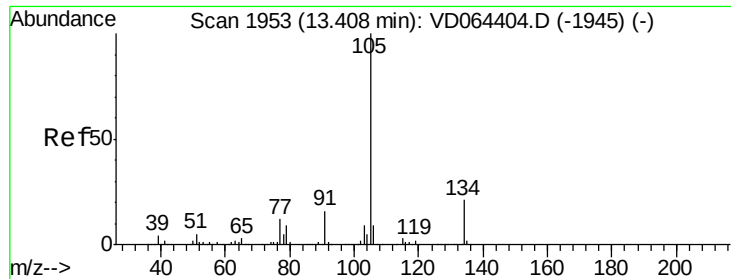
Tgt Ion:119 Resp: 292166
 Ion Ratio Lower Upper
 119 100
 91 61.1 31.2 93.6
 134 27.1 13.9 41.7



#84
 1,2,4-Trimethylbenzene
 Concen: 20.960 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: VD064495.D
 Acq: 11 Dec 2019 12:25

Tgt Ion:105 Resp: 326475
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.6 70.8





#85

sec-Butylbenzene

Concen: 21.284 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

Instrument :

MSVOA_D

ClientSampleId :

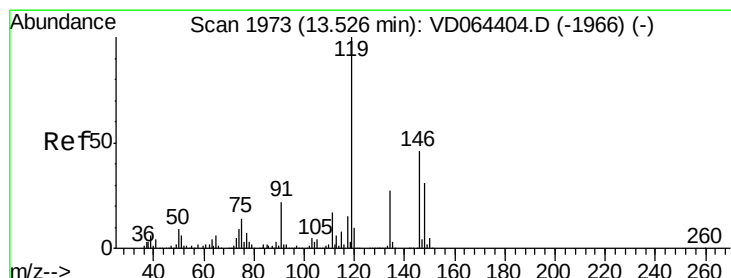
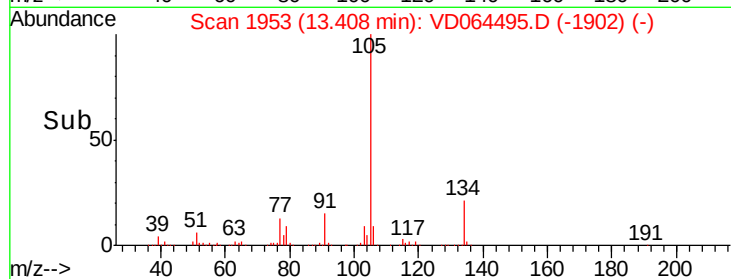
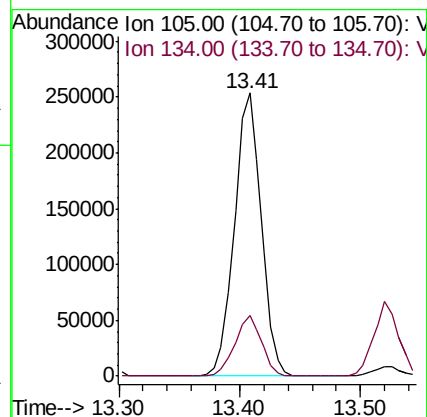
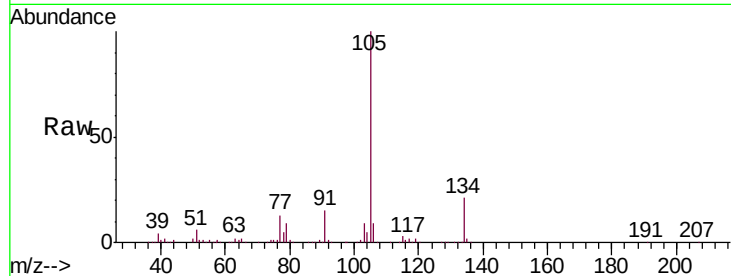
VD1211SBS01

Tgt Ion:105 Resp: 393389

Ion Ratio Lower Upper

105 100

134 21.2 10.5 31.5



#86

p-Isopropyltoluene

Concen: 21.048 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064495.D

Acq: 11 Dec 2019 12:25

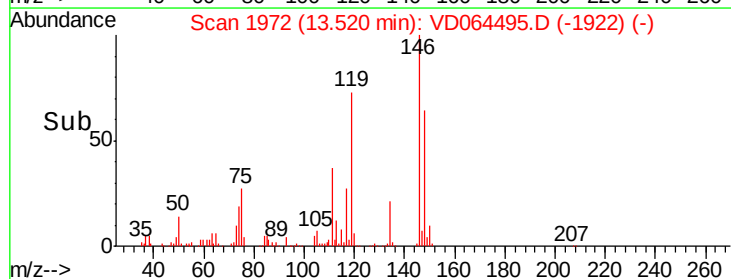
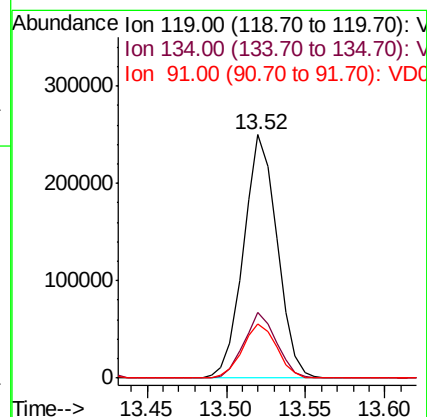
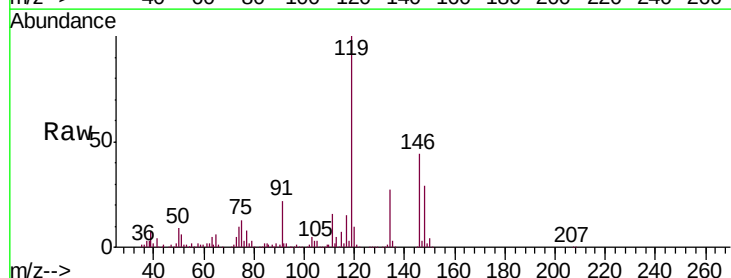
Tgt Ion:119 Resp: 367278

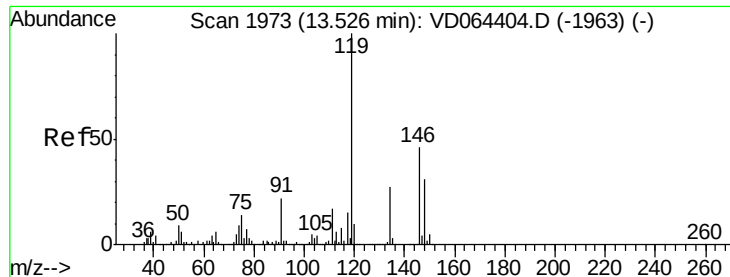
Ion Ratio Lower Upper

119 100

134 26.1 13.5 40.4

91 22.9 11.2 33.5

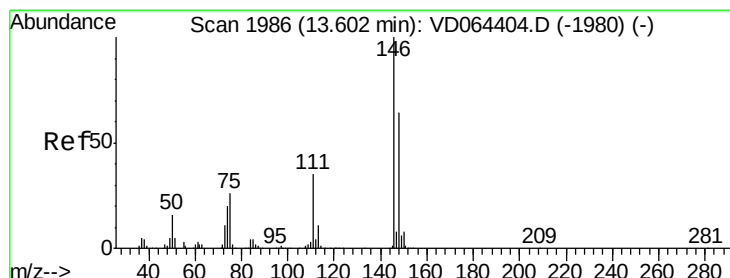
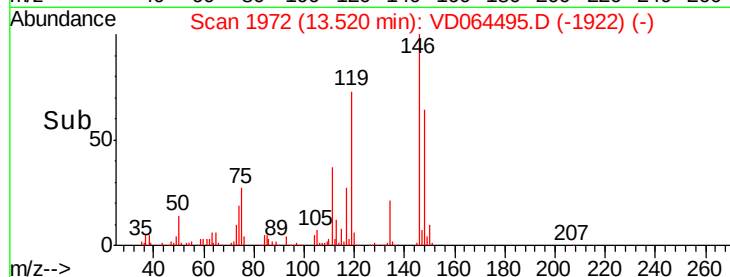
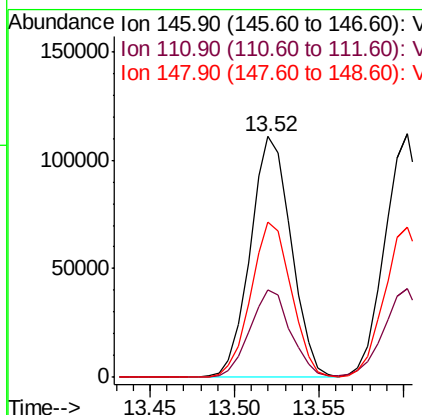
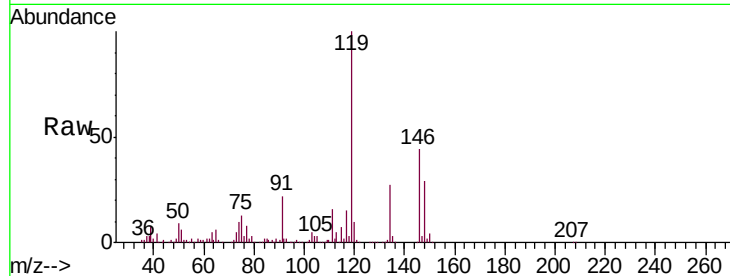




#87
 1,3-Dichlorobenzene
 Concen: 20.894 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064495.D
 Acq: 11 Dec 2019 12:25

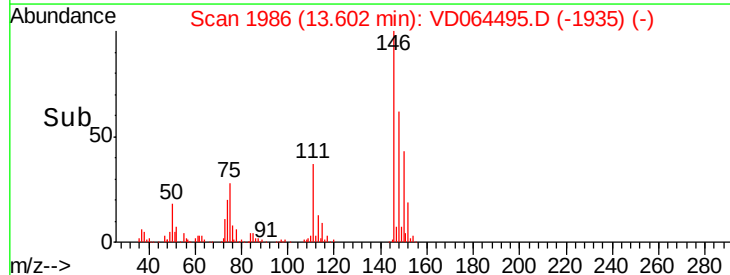
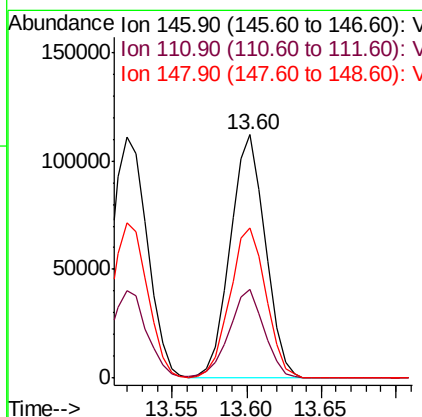
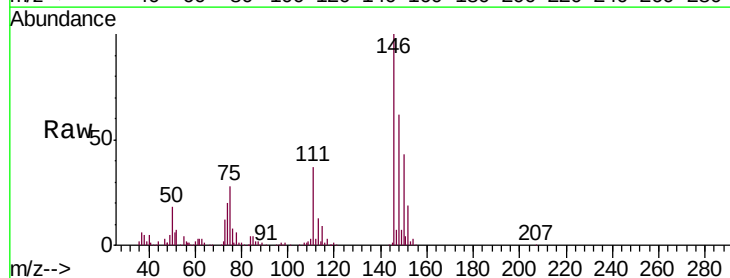
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBS01

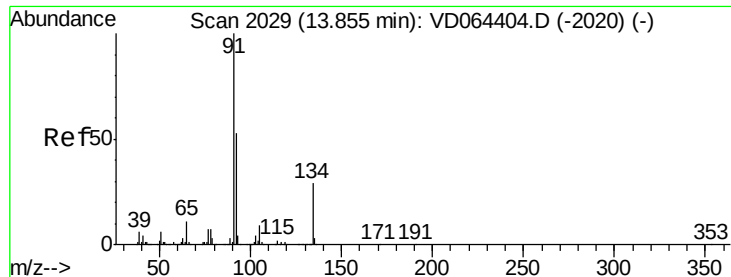
Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.8	56.4
148	63.7	32.6	97.8



#88
 1,4-Dichlorobenzene
 Concen: 20.961 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064495.D
 Acq: 11 Dec 2019 12:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.2	54.6
148	63.5	31.8	95.4

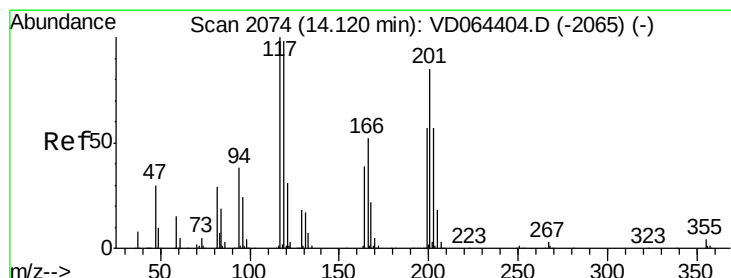
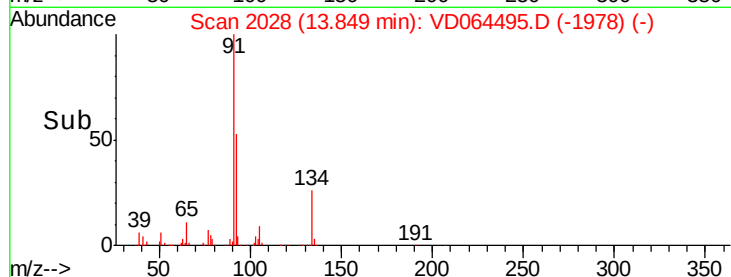
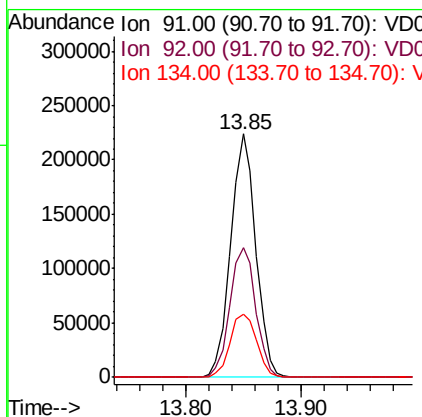
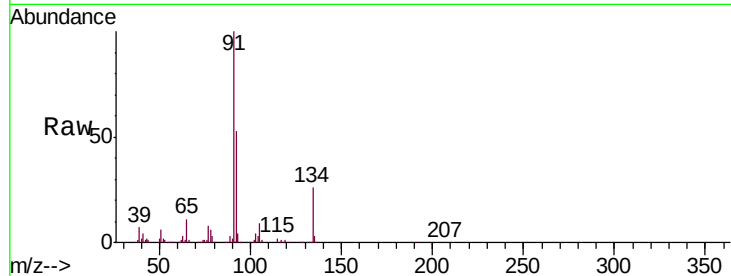




#89
n-Butylbenzene
Concen: 21.219 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

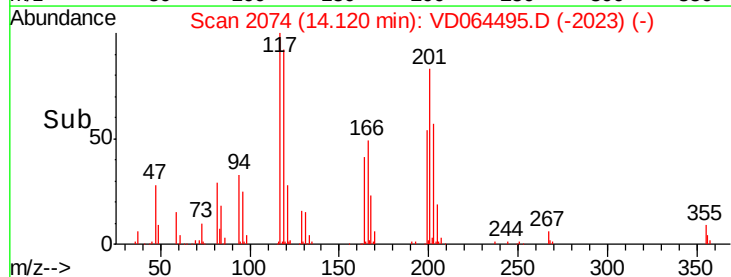
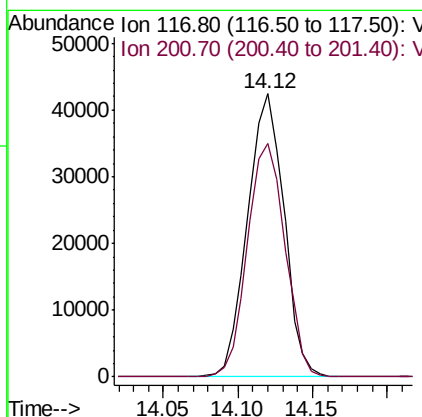
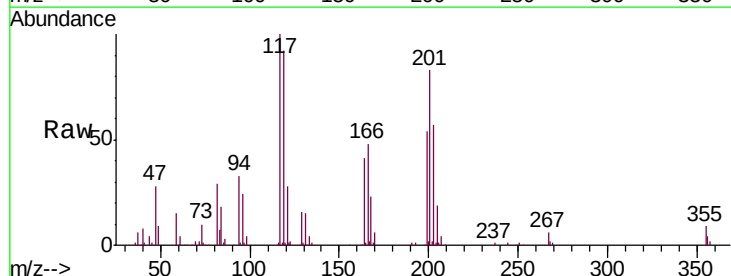
Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

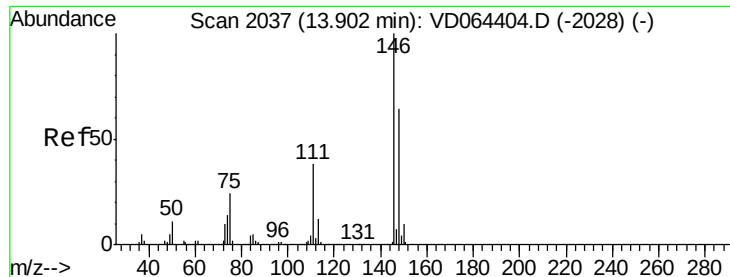
Tgt Ion: 91 Resp: 336241
Ion Ratio Lower Upper
91 100
92 54.9 26.5 79.4
134 27.6 13.9 41.7



#90
Hexachloroethane
Concen: 21.975 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Tgt Ion: 117 Resp: 71722
Ion Ratio Lower Upper
117 100
201 85.1 44.3 132.8

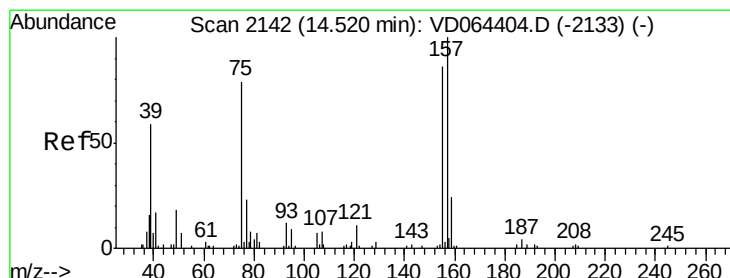
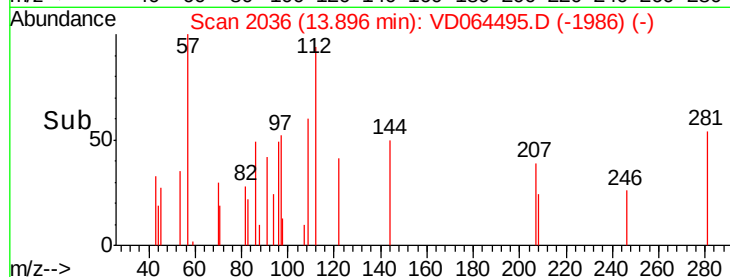
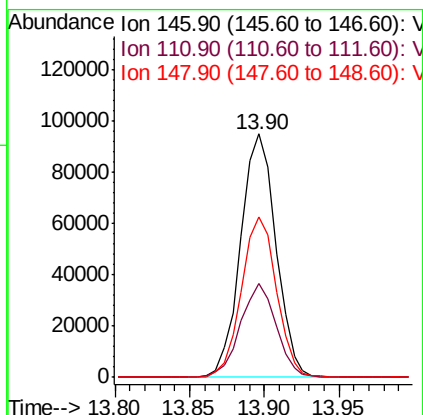
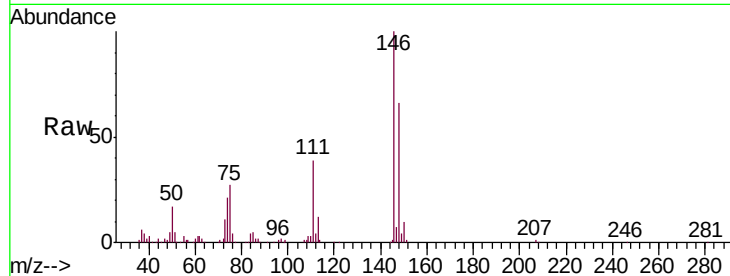




#91
 1,2-Dichlorobenzene
 Concen: 20.512 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064495.D
 Acq: 11 Dec 2019 12:25

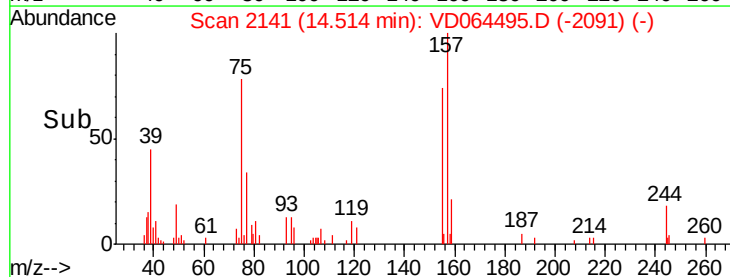
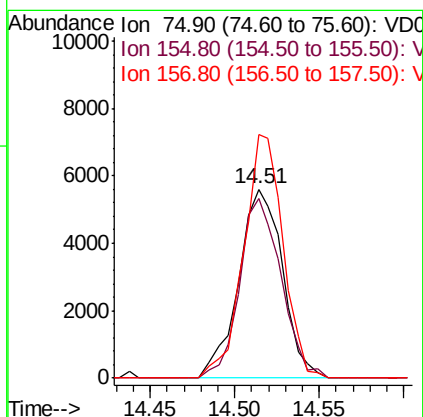
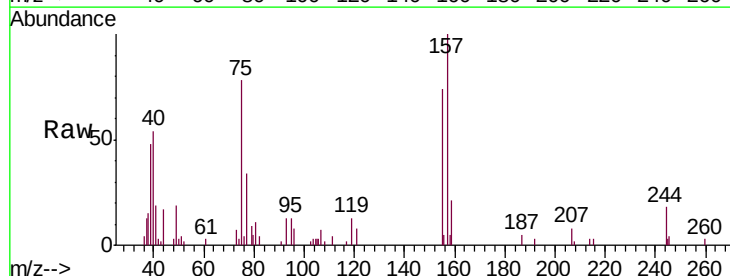
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBS01

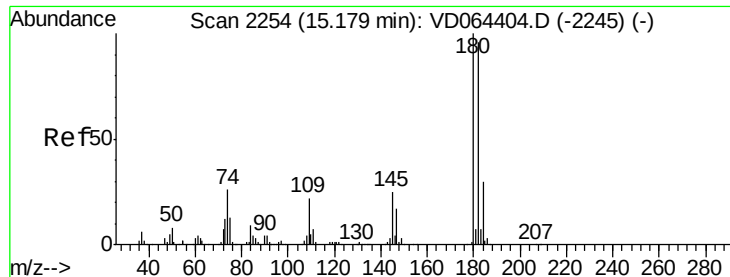
Tgt Ion:146 Resp: 155746
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.1 57.3
 148 65.2 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.976 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD064495.D
 Acq: 11 Dec 2019 12:25

Tgt Ion: 75 Resp: 10161
 Ion Ratio Lower Upper
 75 100
 155 89.3 51.9 155.7
 157 115.4 63.2 189.8

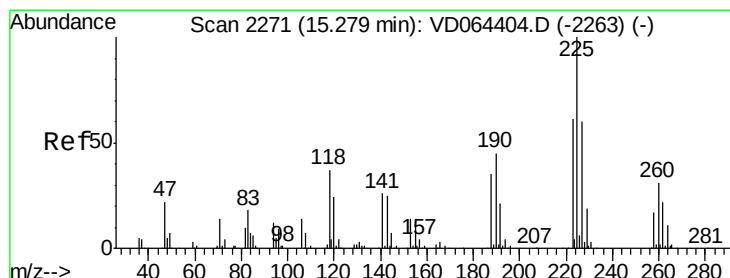
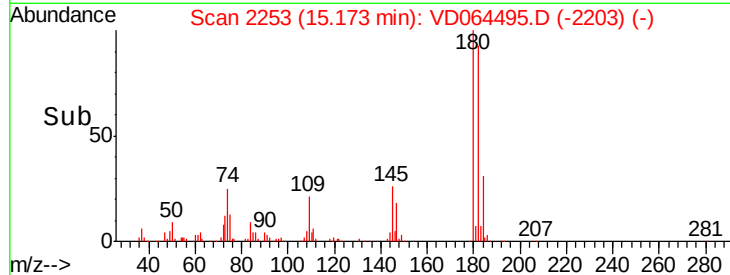
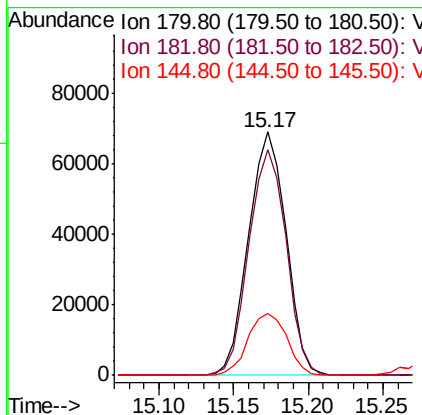
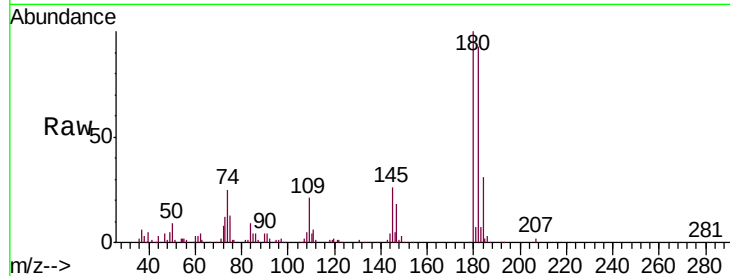




#93
 1,2,4-Trichlorobenzene
 Concen: 20.651 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064495.D
 Acq: 11 Dec 2019 12:25

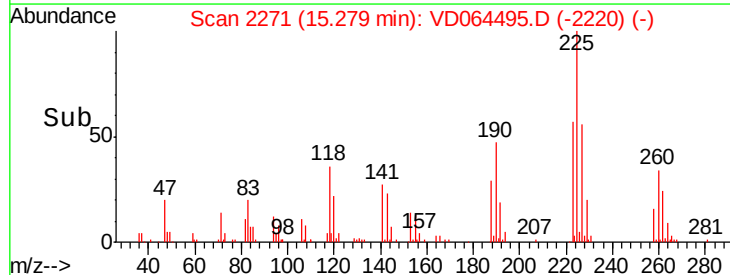
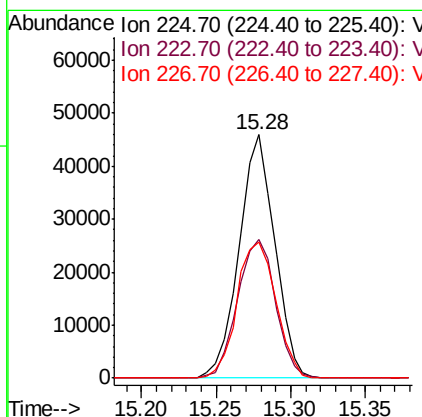
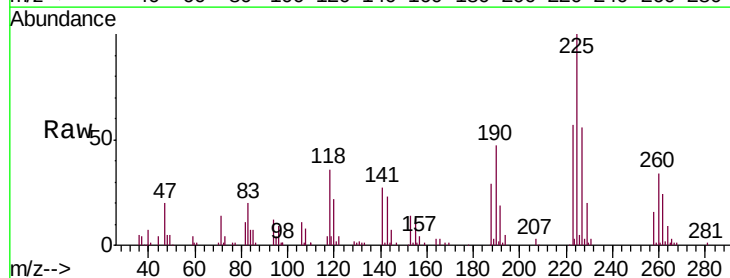
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBS01

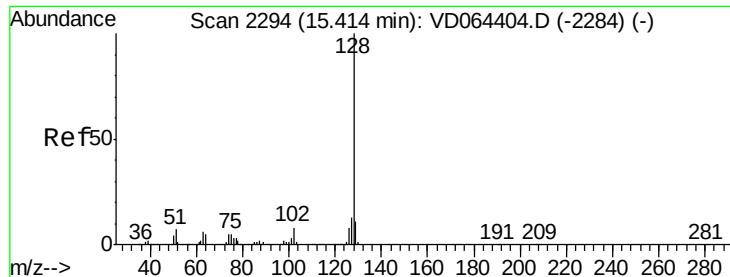
Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.0	47.4	142.3
145	26.3	14.0	41.9



#94
 Hexachlorobutadiene
 Concen: 21.217 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064495.D
 Acq: 11 Dec 2019 12:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.7	31.1	93.3
227	61.2	31.8	95.4

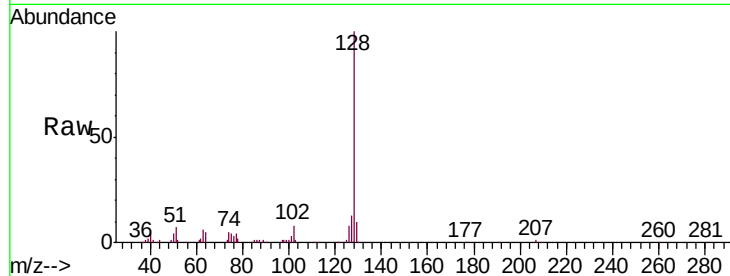




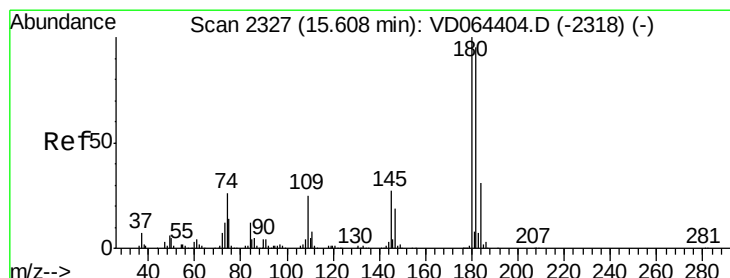
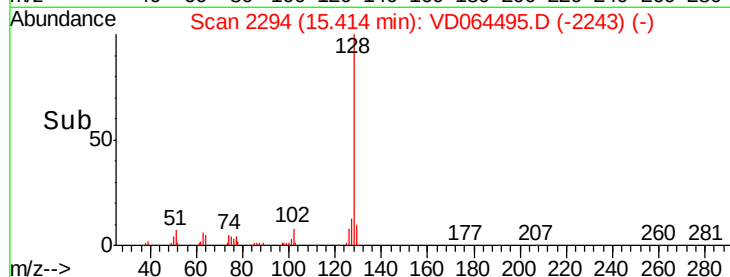
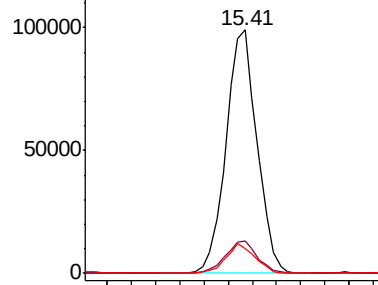
#95
Naphthalene
Concen: 18.166 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tgt Ion:128 Resp: 176287
Ion Ratio Lower Upper
128 100
127 13.7 10.5 15.7
129 11.5 8.8 13.2

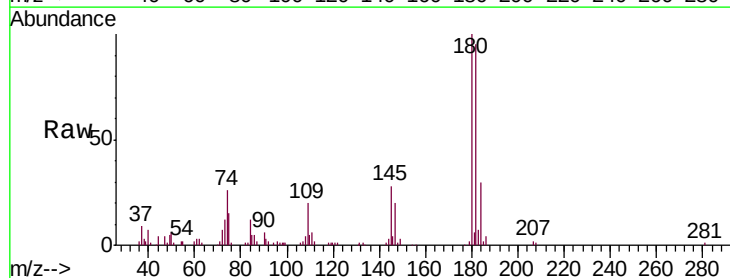


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.112 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064495.D
Acq: 11 Dec 2019 12:25

Tgt Ion:180 Resp: 99827
Ion Ratio Lower Upper
180 100
182 94.7 47.6 142.9
145 30.4 14.6 43.8



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

