

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD123119\
 Data File : VD064687.D
 Acq On : 31 Dec 2019 11:25
 Operator : VA/SY
 Sample : VD1231SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1231SBS01

Quant Time: Jan 01 00:44:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	364943	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	537009	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	467392	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	228164	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	178121	55.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.70%	
35) Dibromofluoromethane	7.92	113	181662	55.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.28%	
50) Toluene-d8	10.34	98	703054	55.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.44%	
62) 4-Bromofluorobenzene	12.64	95	217079	54.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	50336	17.748	ug/l	89
3) Chloromethane	2.21	50	72685	18.325	ug/l	99
4) Vinyl Chloride	2.35	62	86820	17.952	ug/l	97
5) Bromomethane	2.76	94	64272	18.278	ug/l	99
6) Chloroethane	2.92	64	59429	18.339	ug/l	92
7) Trichlorofluoromethane	3.27	101	145489	17.866	ug/l	97
8) Diethyl Ether	3.71	74	27379	16.931	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	60786	18.024	ug/l	99
10) Methyl Iodide	4.29	142	59383	16.393	ug/l	99
11) Tert butyl alcohol	5.24	59	14410	78.134	ug/l #	88
12) 1,1-Dichloroethene	4.06	96	57149	17.799	ug/l	93
13) Acrolein	3.93	56	24337	94.687	ug/l	94
14) Allyl chloride	4.70	41	90125	18.004	ug/l	99
15) Acrylonitrile	5.42	53	54204	80.474	ug/l	96
16) Acetone	4.16	43	54740	77.418	ug/l	97
17) Carbon Disulfide	4.40	76	178424	17.186	ug/l	99
18) Methyl Acetate	4.73	43	30151	16.642	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	119660	16.779	ug/l	96
20) Methylene Chloride	4.96	84	66421	16.951	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	64129	17.538	ug/l	92
22) Diisopropyl ether	6.37	45	176495	17.677	ug/l	92
23) Vinyl Acetate	6.31	43	463911	81.906	ug/l	98
24) 1,1-Dichloroethane	6.27	63	109469	18.263	ug/l	99
25) 2-Butanone	7.22	43	72507	81.970	ug/l	100
26) 2,2-Dichloropropane	7.21	77	99018	17.767	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	70856	17.955	ug/l	98
28) Bromochloromethane	7.54	49	49499	21.243	ug/l	95
29) Tetrahydrofuran	7.57	42	45101	81.989	ug/l	97
30) Chloroform	7.71	83	114385	18.188	ug/l	99
31) Cyclohexane	7.99	56	103808	17.301	ug/l #	88
32) 1,1,1-Trichloroethane	7.90	97	106757	18.073	ug/l	100
36) 1,1-Dichloropropene	8.11	75	90618	17.532	ug/l	99
37) Ethyl Acetate	7.30	43	32879	16.192	ug/l	99
38) Carbon Tetrachloride	8.09	117	99389	18.033	ug/l	94

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 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1231SBS01

Quant Time: Jan 01 00:44:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	106318	16.983	ug/l	99
40) Benzene	8.36	78	245347	17.388	ug/l	97
41) Methacrylonitrile	7.53	41	21117	17.924	ug/l	95
42) 1,2-Dichloroethane	8.43	62	71607	17.562	ug/l	100
43) Isopropyl Acetate	8.46	43	63901	15.811	ug/l	98
44) Trichloroethene	9.11	130	71047	17.140	ug/l	99
45) 1,2-Dichloropropane	9.39	63	59198	17.572	ug/l	95
46) Dibromomethane	9.48	93	31449	16.743	ug/l	97
47) Bromodichloromethane	9.66	83	87334	17.473	ug/l	100
48) Methyl methacrylate	9.46	41	32637	17.150	ug/l	97
49) 1,4-Dioxane	9.47	88	6341	292.778	ug/l #	91
51) 4-Methyl-2-Pentanone	10.23	43	157402	78.793	ug/l	99
52) Toluene	10.40	92	162185	17.520	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	79975	17.163	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	94112	17.128	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	41874	16.542	ug/l	94
56) Ethyl methacrylate	10.66	69	49421	15.633	ug/l	98
57) 1,3-Dichloropropane	10.95	76	69838	16.024	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	97564	81.004	ug/l	99
59) 2-Hexanone	10.99	43	105267	77.638	ug/l	100
60) Dibromochloromethane	11.14	129	58765	16.788	ug/l	99
61) 1,2-Dibromoethane	11.25	107	40924	16.391	ug/l	98
64) Tetrachloroethene	10.88	164	63547	17.722	ug/l	97
65) Chlorobenzene	11.67	112	170941	17.622	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	63418	17.342	ug/l	96
67) Ethyl Benzene	11.75	91	302432	17.177	ug/l	98
68) m/p-Xylenes	11.86	106	232336	34.187	ug/l	98
69) o-Xylene	12.18	106	105027	17.110	ug/l	98
70) Styrene	12.20	104	180313	16.735	ug/l	98
71) Bromoform	12.36	173	35087	16.824	ug/l #	98
73) Isopropylbenzene	12.48	105	291228	17.861	ug/l	100
74) N-amyl acetate	12.30	43	56918	16.330	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	43676	17.052	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	56619	31.425	ug/l #	100
77) Bromobenzene	12.77	156	70351	17.560	ug/l	99
78) n-propylbenzene	12.83	91	339328	17.839	ug/l	100
79) 2-Chlorotoluene	12.91	91	185732	17.774	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	238215	17.785	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	14715	17.081	ug/l	99
82) 4-Chlorotoluene	13.01	91	197408	17.752	ug/l	100
83) tert-Butylbenzene	13.23	119	204069	17.548	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	234869	17.607	ug/l	97
85) sec-Butylbenzene	13.41	105	284419	17.840	ug/l	100
86) p-Isopropyltoluene	13.53	119	264186	17.330	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	132113	17.298	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	131539	17.532	ug/l	99
89) n-Butylbenzene	13.86	91	245339	17.871	ug/l	99
90) Hexachloroethane	14.12	117	52176	17.917	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	112527	17.278	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	7182	17.297	ug/l	90

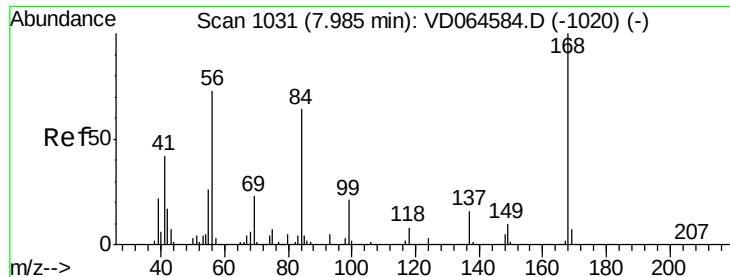
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD123119\
Data File : VD064687.D
Acq On : 31 Dec 2019 11:25
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Sample : VD1231SBSD01
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Instrument :
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ClientSampleId :
VD1231SBSD01

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	82107	17.122	ug/l	98
94) Hexachlorobutadiene	15.28	225	52211	17.303	ug/l	98
95) Naphthalene	15.41	128	118036	15.559	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	67845	16.573	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

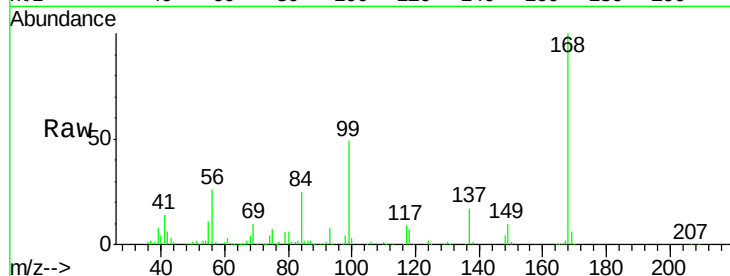
VD1231SBSD01

Tgt Ion:168 Resp: 364943

Ion Ratio Lower Upper

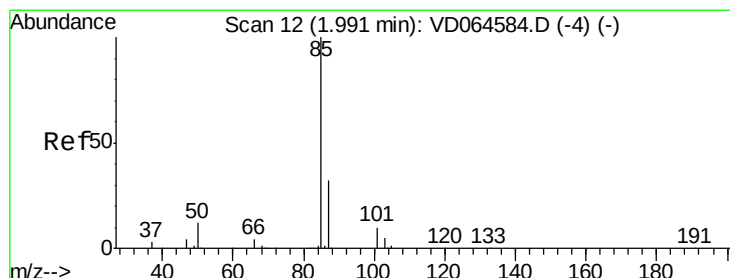
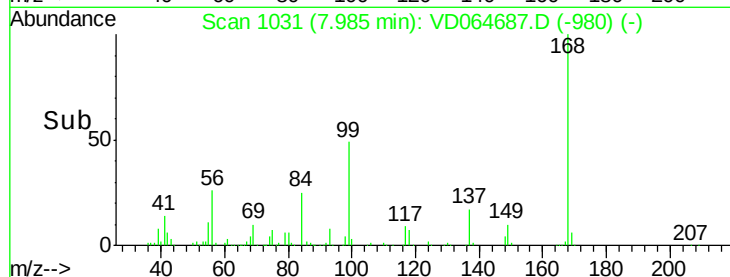
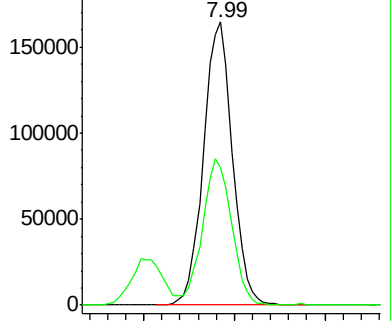
168 100

99 48.4 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 17.748 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064687.D

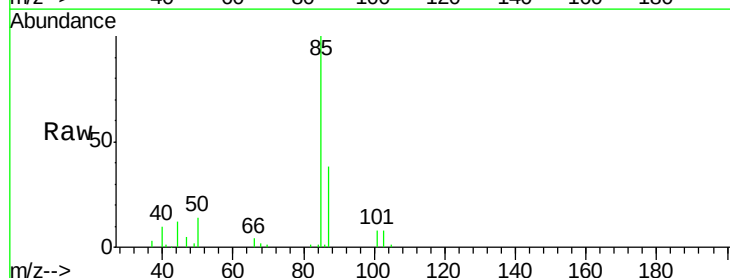
Acq: 31 Dec 2019 11:25

Tgt Ion: 85 Resp: 50336

Ion Ratio Lower Upper

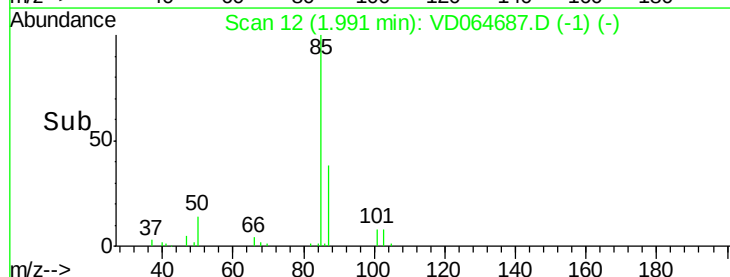
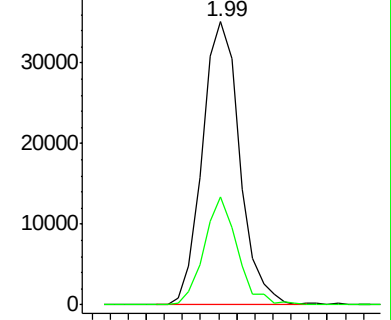
85 100

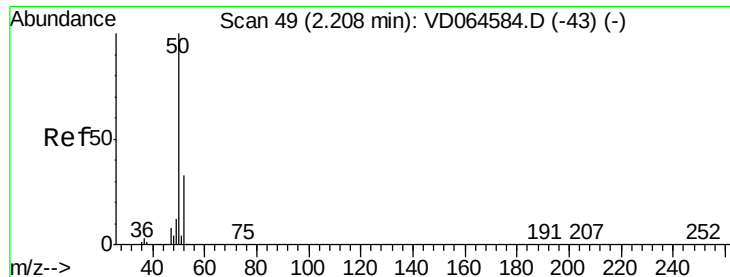
87 38.3 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.325 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

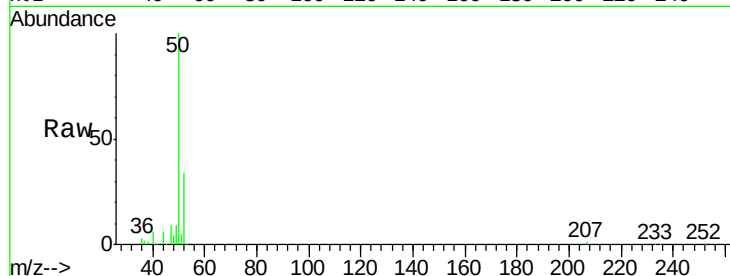
VD1231SBSD01

Tgt Ion: 50 Resp: 72685

Ion Ratio Lower Upper

50 100

52 33.5 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

60000

50000

40000

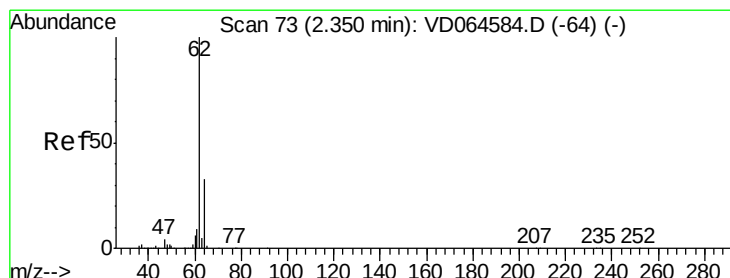
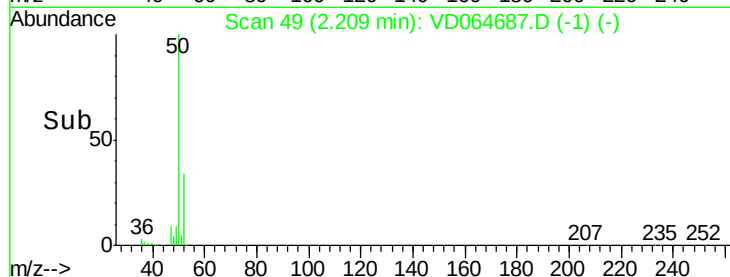
30000

20000

10000

0

Time-->



#4

Vinyl Chloride

Concen: 17.952 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064687.D

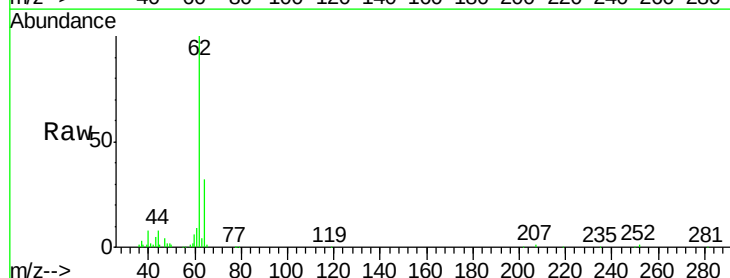
Acq: 31 Dec 2019 11:25

Tgt Ion: 62 Resp: 86820

Ion Ratio Lower Upper

62 100

64 31.7 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

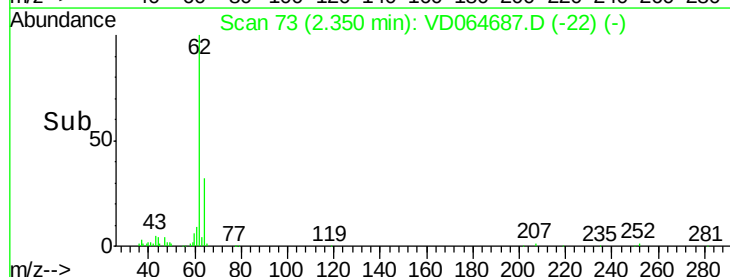
60000

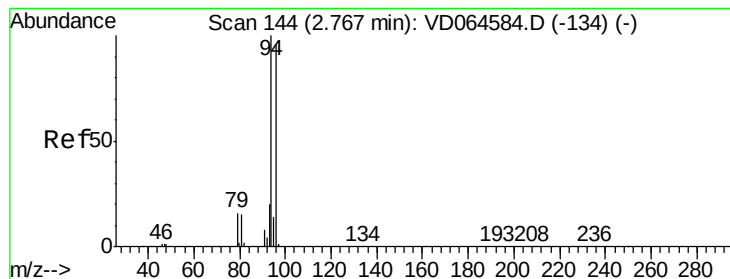
40000

20000

0

Time-->





#5

Bromomethane

Concen: 18.278 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

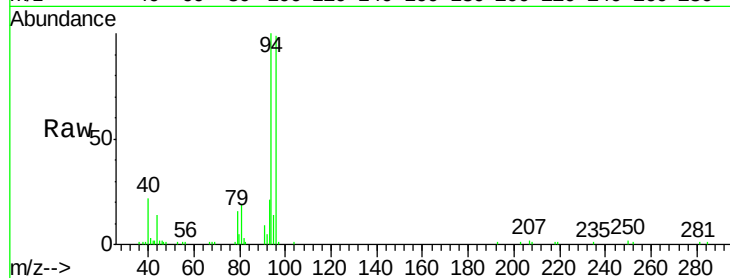
VD1231SBS01

Tgt Ion: 94 Resp: 64272

Ion Ratio Lower Upper

94 100

96 97.5 77.2 115.8

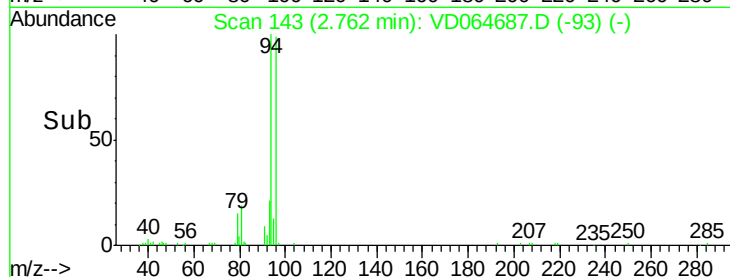


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

Time-->



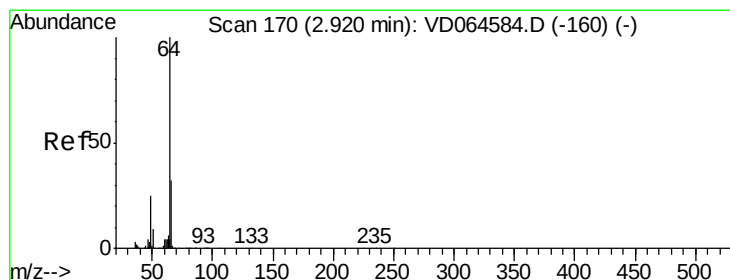
Abundance

Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

Time-->



#6

Chloroethane

Concen: 18.339 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064687.D

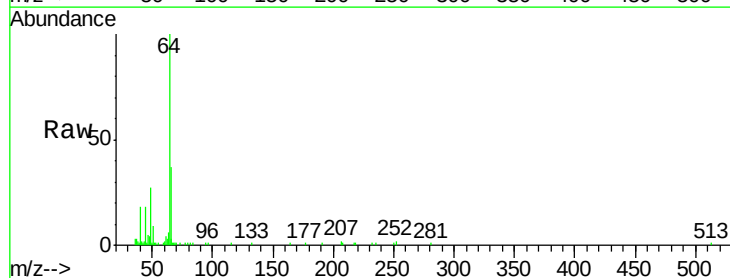
Acq: 31 Dec 2019 11:25

Tgt Ion: 64 Resp: 59429

Ion Ratio Lower Upper

64 100

66 36.7 25.9 38.9

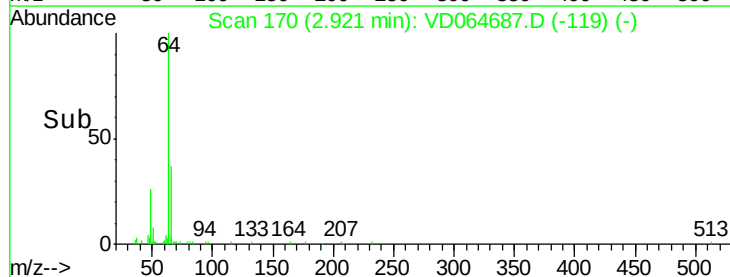


Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

Time-->



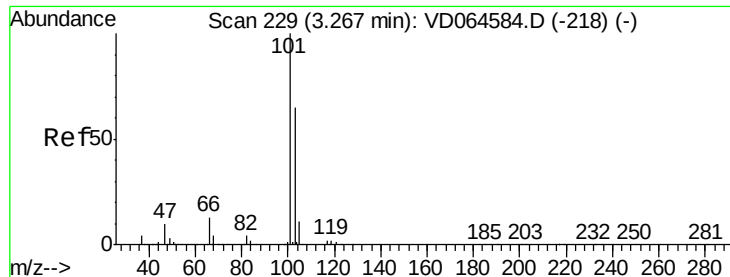
Abundance

Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

Time-->

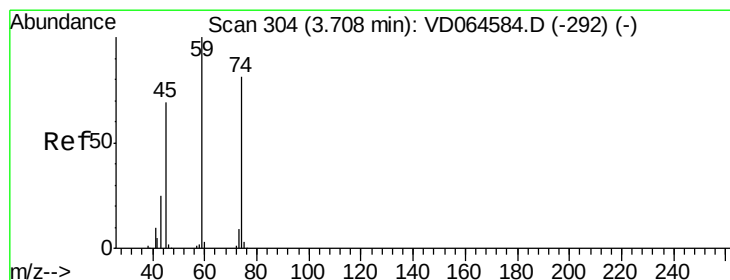
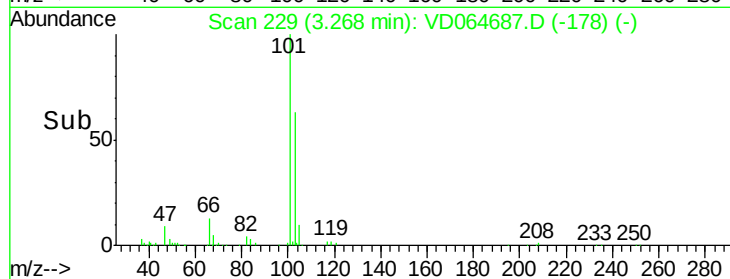
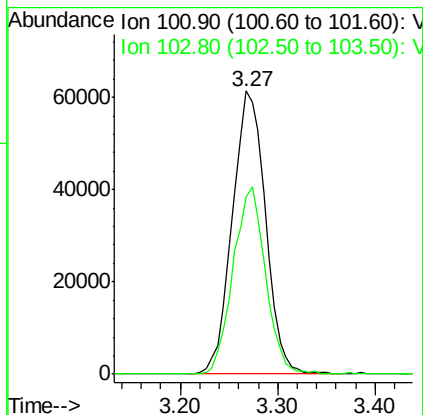
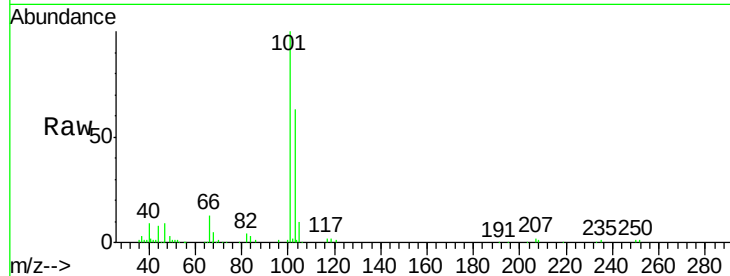


#7

Trichlorofluoromethane
 Concen: 17.866 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064687.D
 Acq: 31 Dec 2019 11:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1231SBSD01

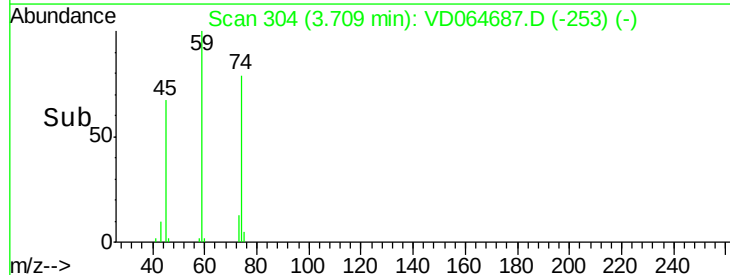
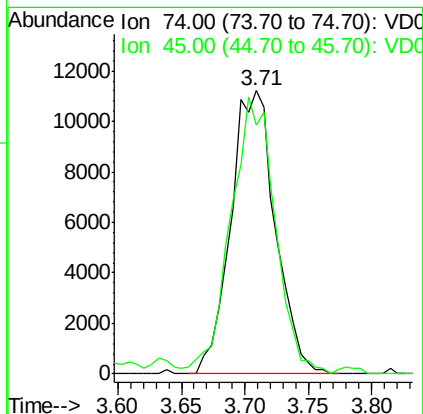
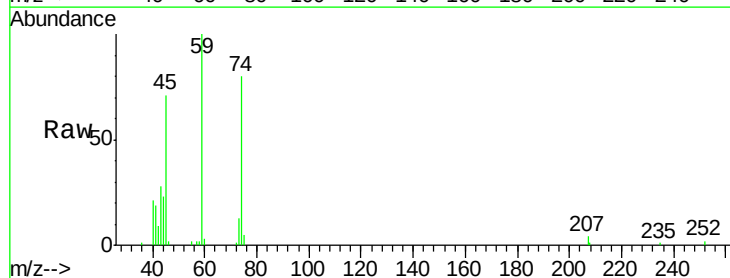
Tgt Ion: 101 Resp: 145489
 Ion Ratio Lower Upper
 101 100
 103 62.5 52.2 78.4

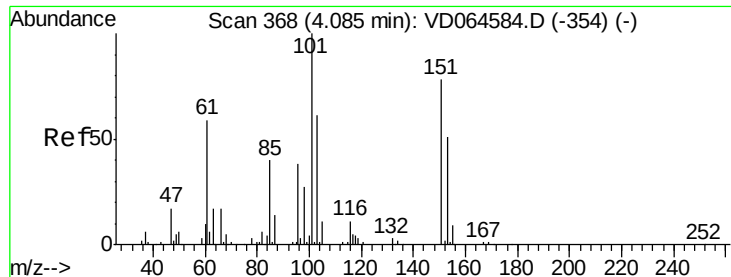


#8

Diethyl Ether
 Concen: 16.931 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064687.D
 Acq: 31 Dec 2019 11:25

Tgt Ion: 74 Resp: 27379
 Ion Ratio Lower Upper
 74 100
 45 97.8 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.024 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBSD01

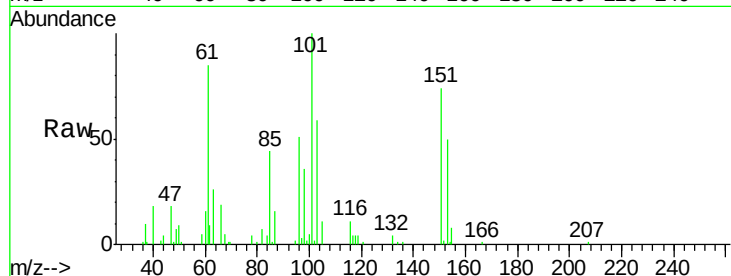
Tgt Ion:101 Resp: 60786

Ion Ratio Lower Upper

101 100

85 45.0 35.2 52.8

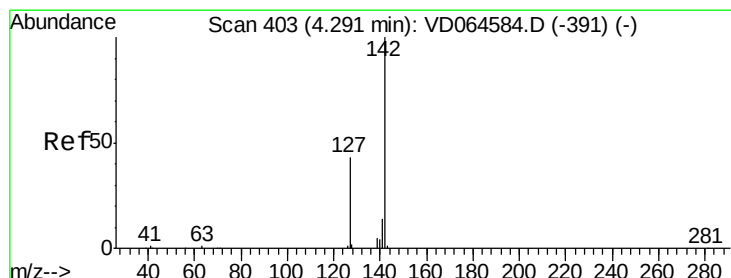
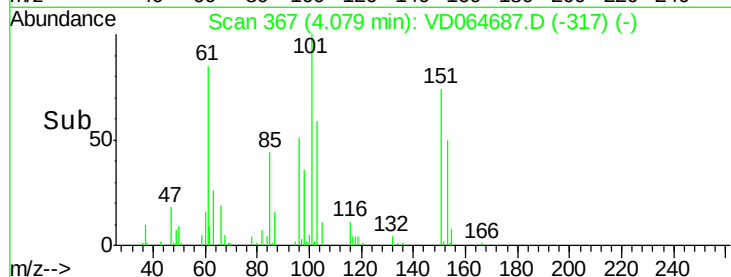
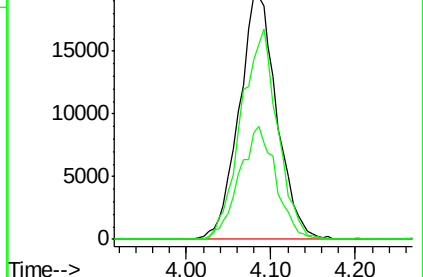
151 83.3 66.2 99.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.393 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

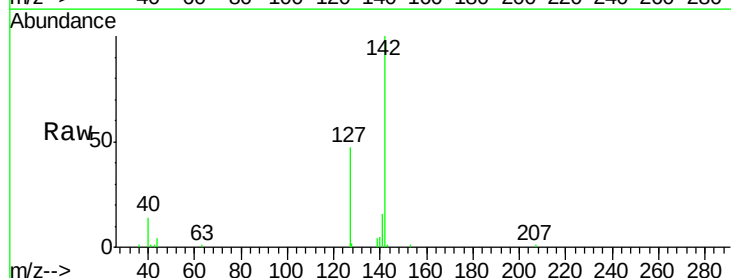
Tgt Ion:142 Resp: 59383

Ion Ratio Lower Upper

142 100

127 44.6 36.2 54.4

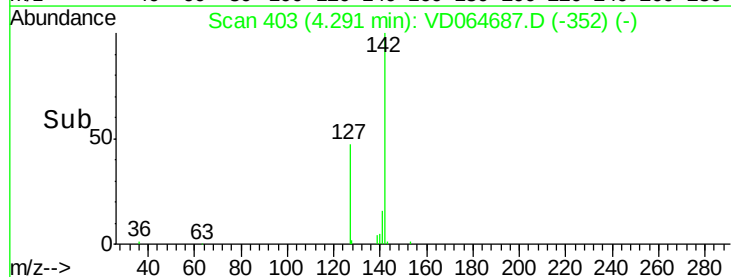
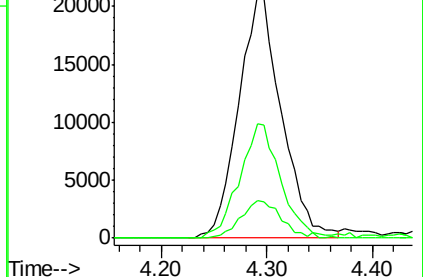
141 14.5 11.8 17.8

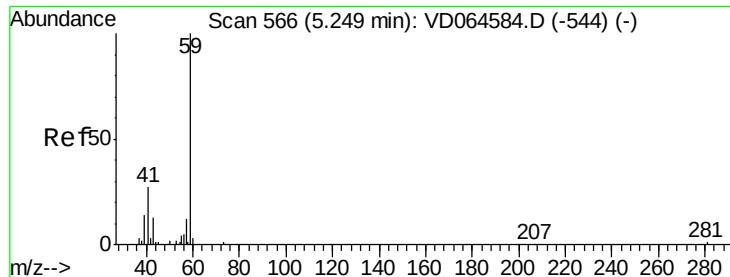


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 78.134 ug/l

RT: 5.24 min Scan# 565

Delta R.T. -0.01 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

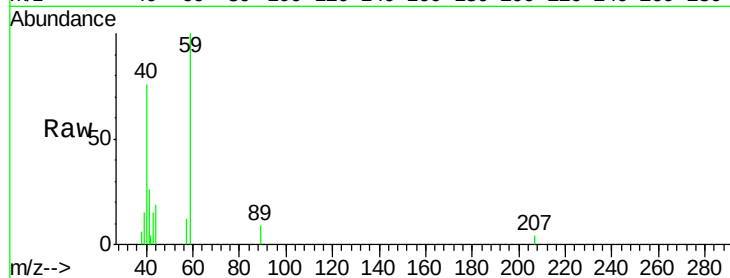
VD1231SBSD01

Tgt Ion: 59 Resp: 14410

Ion Ratio Lower Upper

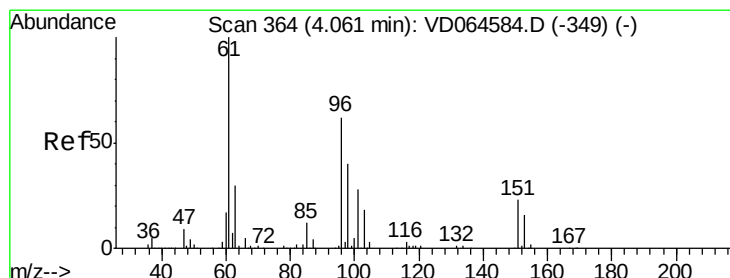
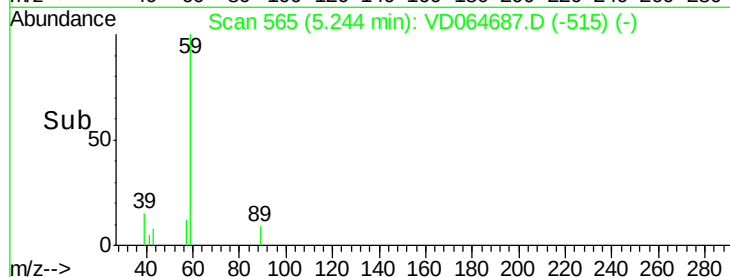
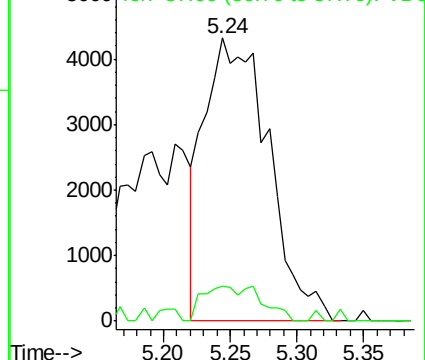
59 100

57 6.8 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 17.799 ug/l

RT: 4.06 min Scan# 363

Delta R.T. -0.01 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

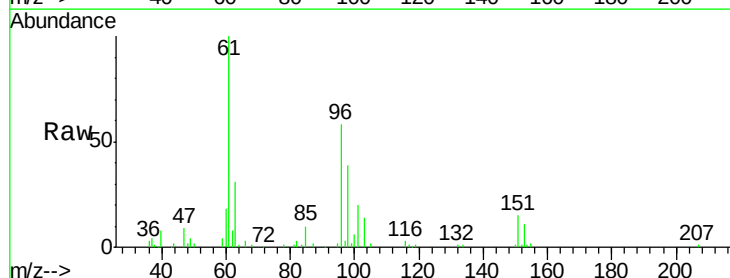
Tgt Ion: 96 Resp: 57149

Ion Ratio Lower Upper

96 100

61 173.1 129.4 194.0

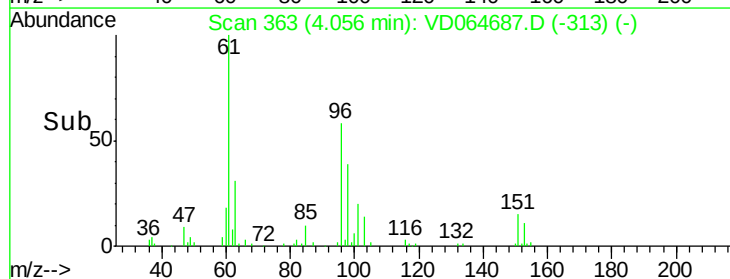
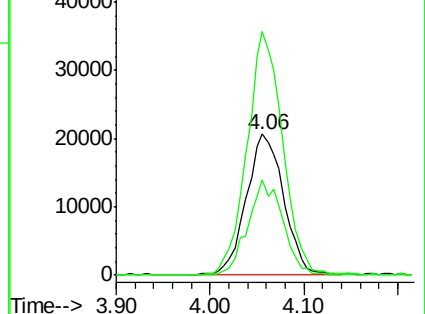
98 67.6 51.4 77.0

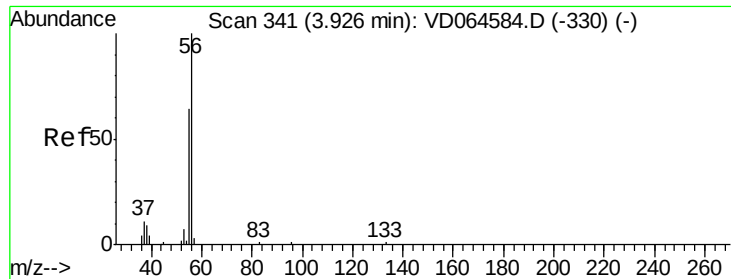


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 94.687 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

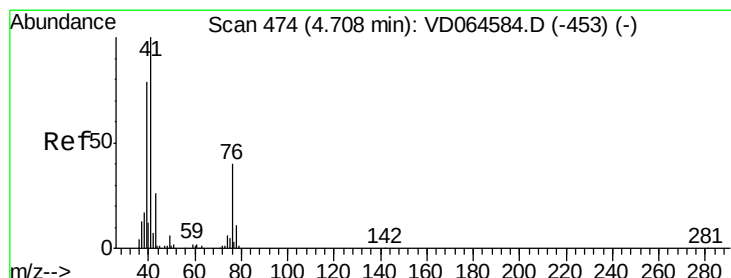
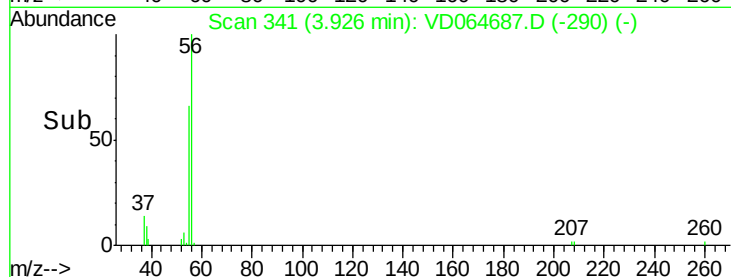
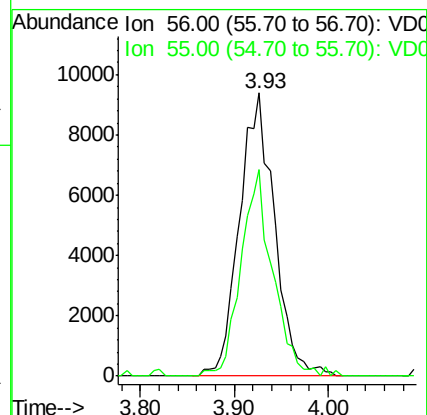
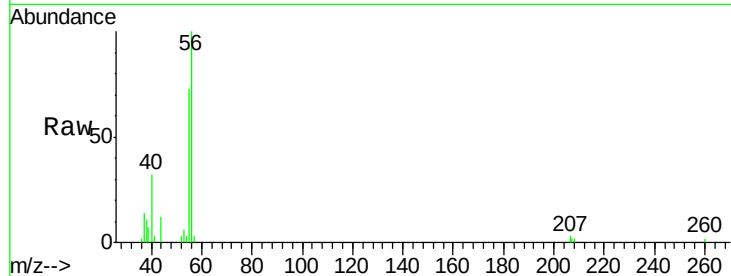
VD1231SBS01

Tgt Ion: 56 Resp: 24337

Ion Ratio Lower Upper

56 100

55 65.8 56.7 85.1



#14

Allyl chloride

Concen: 18.004 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

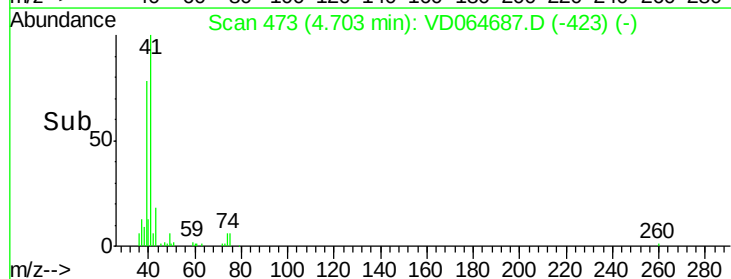
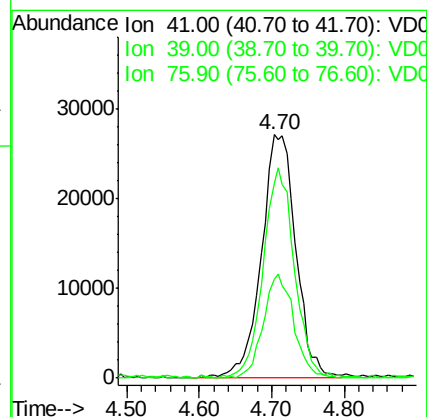
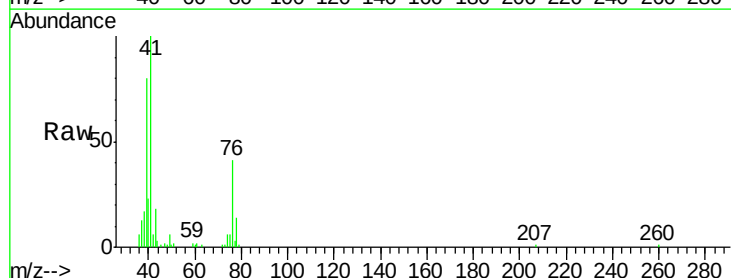
Tgt Ion: 41 Resp: 90125

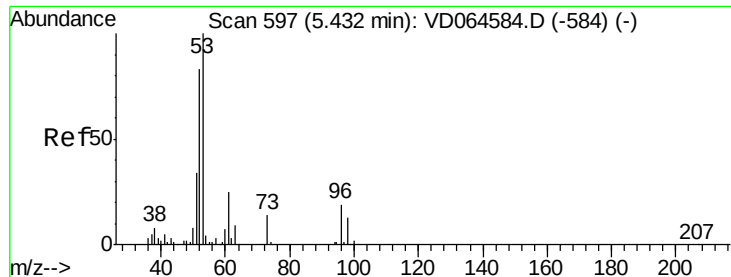
Ion Ratio Lower Upper

41 100

39 78.4 62.3 93.5

76 37.6 29.7 44.5





#15

Acrylonitrile

Concen: 80.474 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBS01

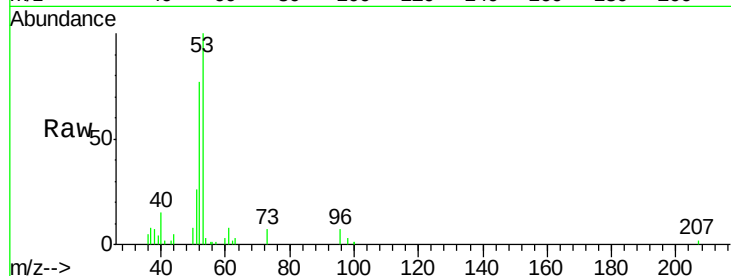
Tgt Ion: 53 Resp: 54204

Ion Ratio Lower Upper

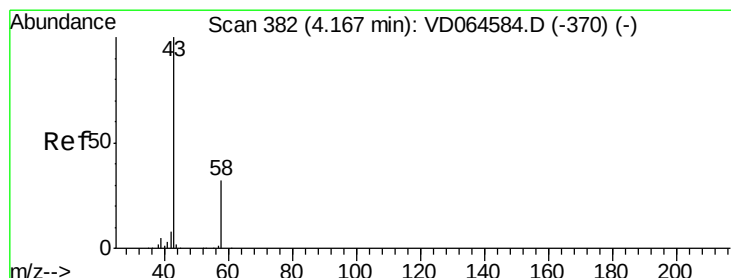
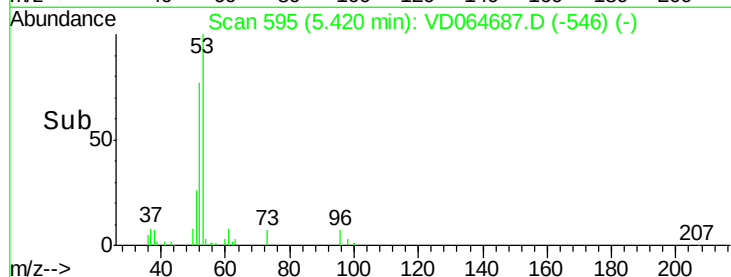
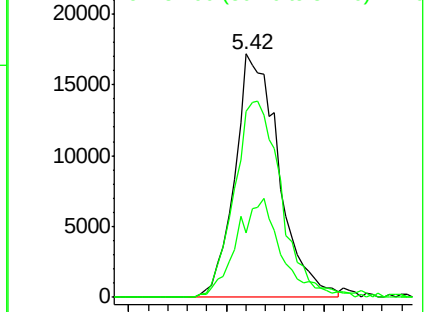
53 100

52 84.7 66.2 99.2

51 42.0 30.1 45.1



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



#16

Acetone

Concen: 77.418 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064687.D

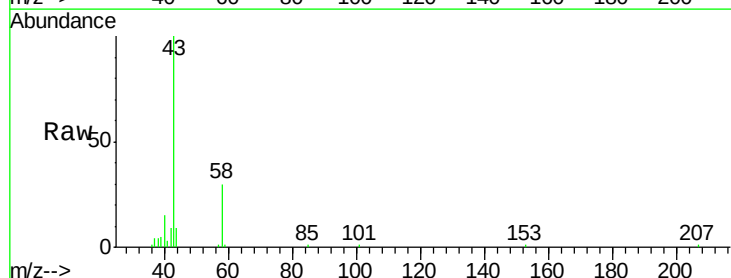
Acq: 31 Dec 2019 11:25

Tgt Ion: 43 Resp: 54740

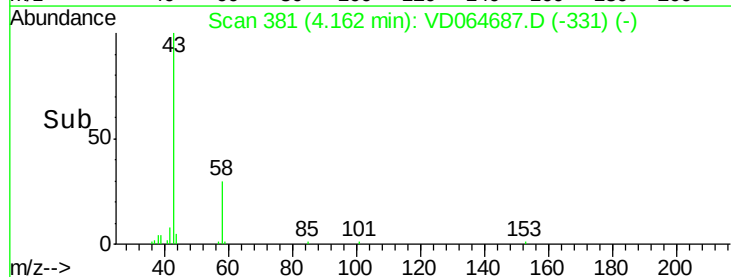
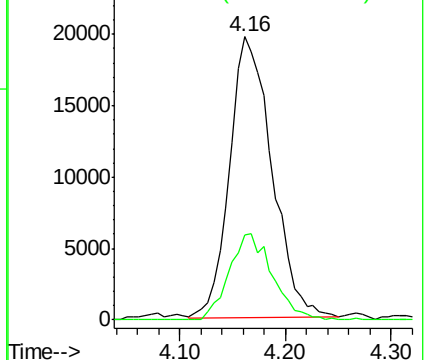
Ion Ratio Lower Upper

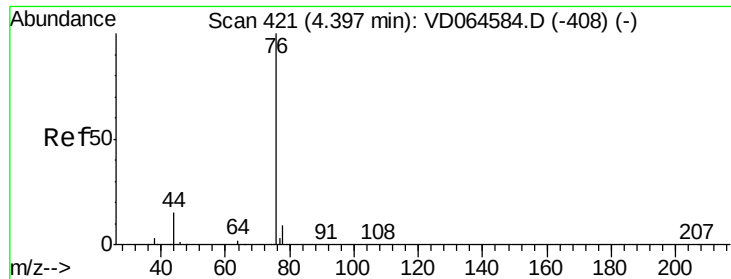
43 100

58 30.4 25.8 38.6



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





#17

Carbon Disulfide

Concen: 17.186 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

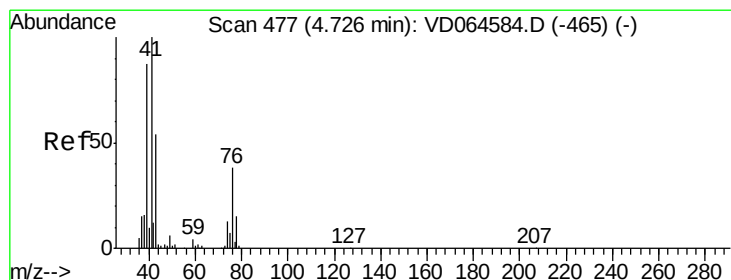
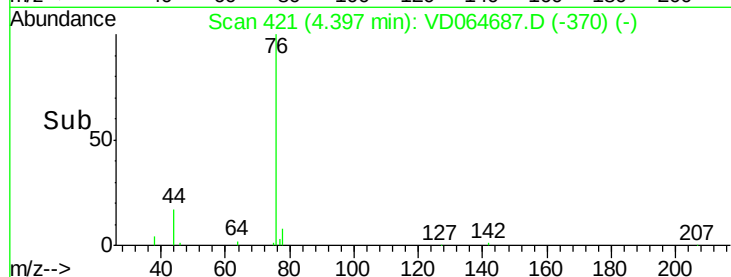
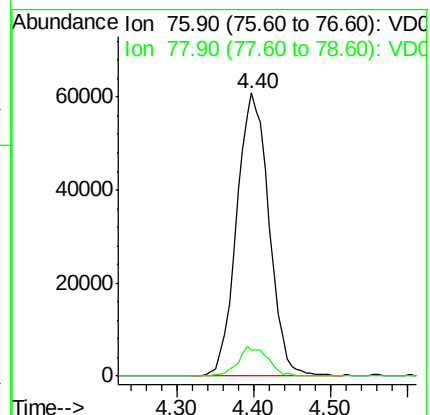
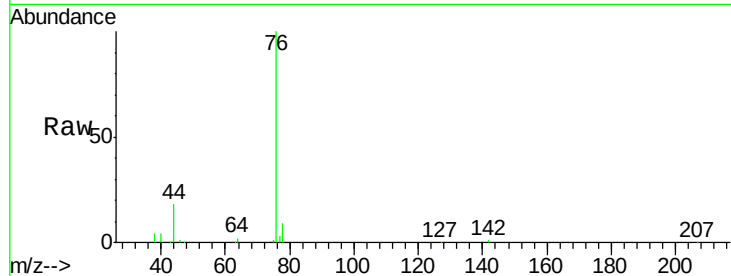
VD1231SBSD01

Tgt Ion: 76 Resp: 178424

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9



#18

Methyl Acetate

Concen: 16.642 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064687.D

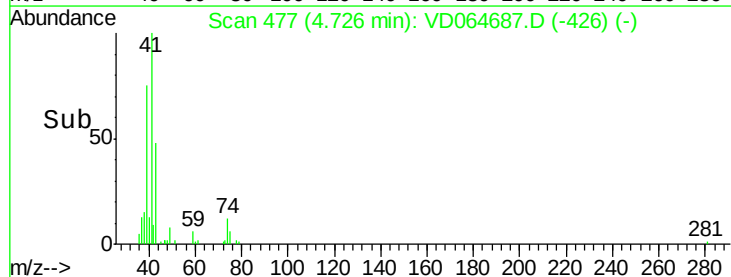
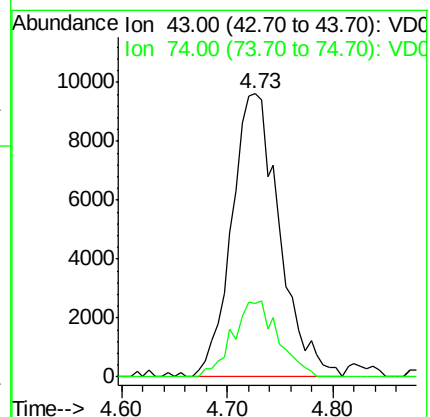
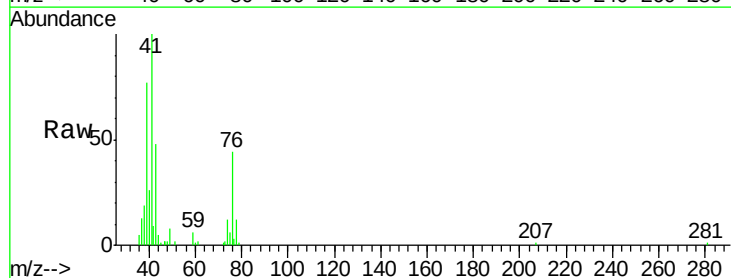
Acq: 31 Dec 2019 11:25

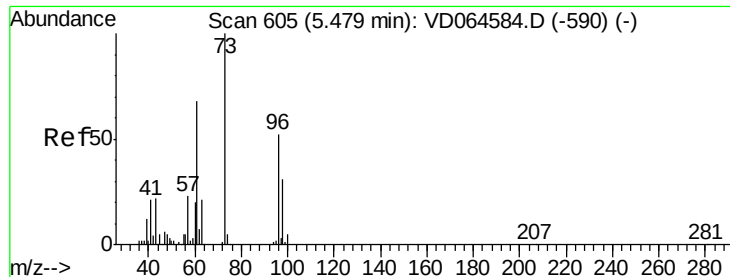
Tgt Ion: 43 Resp: 30151

Ion Ratio Lower Upper

43 100

74 25.5 19.2 28.8

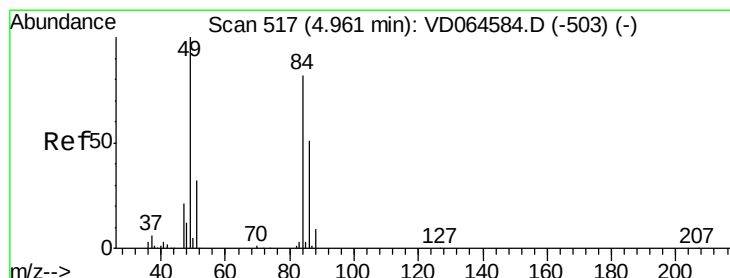
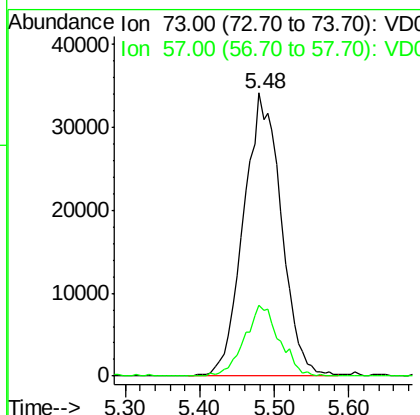
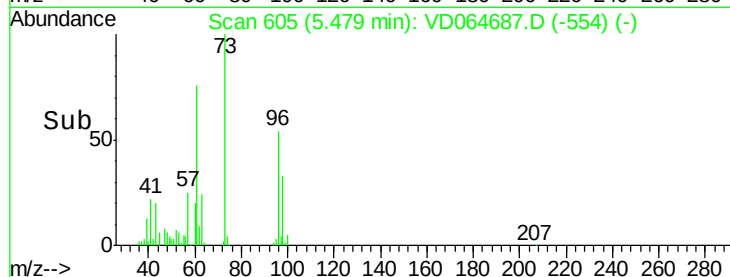
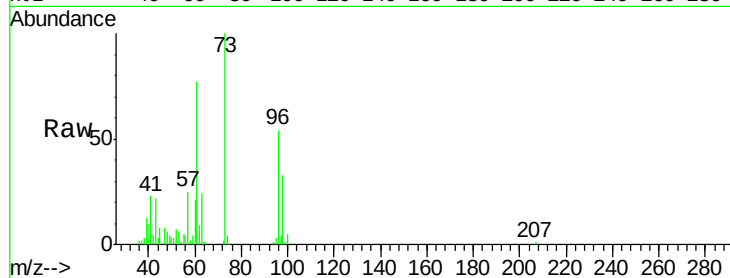




#19
Methyl tert-butyl Ether
Concen: 16.779 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

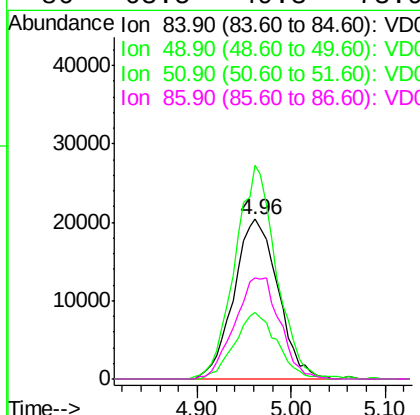
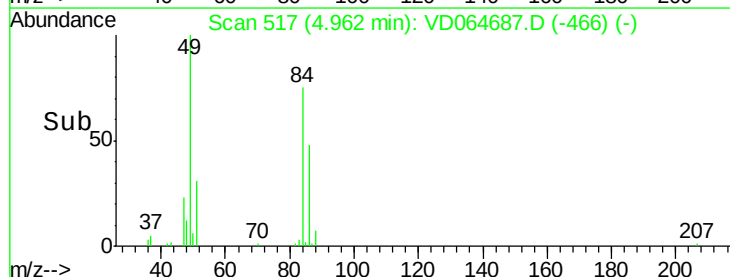
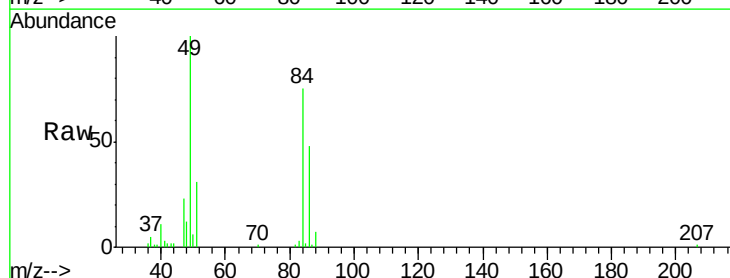
Instrument :
MSVOA_D
ClientSampleId :
VD1231SBS01

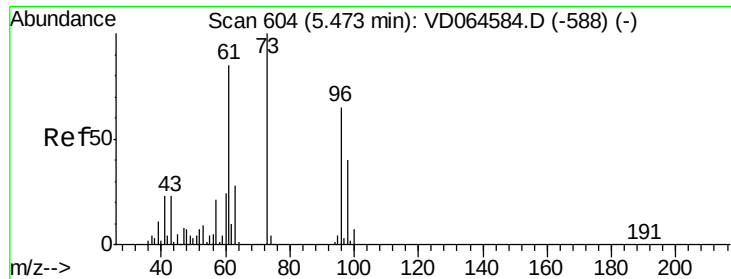
Tgt Ion: 73 Resp: 119660
Ion Ratio Lower Upper
73 100
57 25.1 18.6 27.8



#20
Methylene Chloride
Concen: 16.951 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Tgt Ion: 84 Resp: 66421
Ion Ratio Lower Upper
84 100
49 133.6 97.2 145.8
51 41.3 31.4 47.0
86 63.5 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 17.538 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBSD01

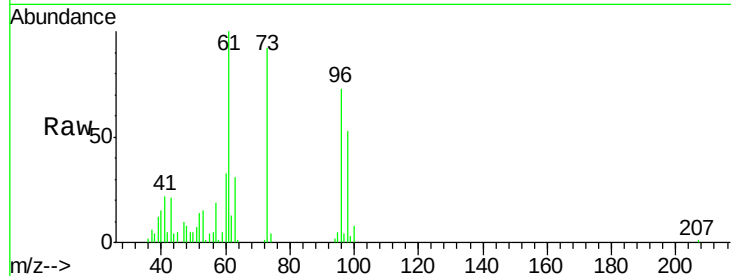
Tgt Ion: 96 Resp: 64129

Ion Ratio Lower Upper

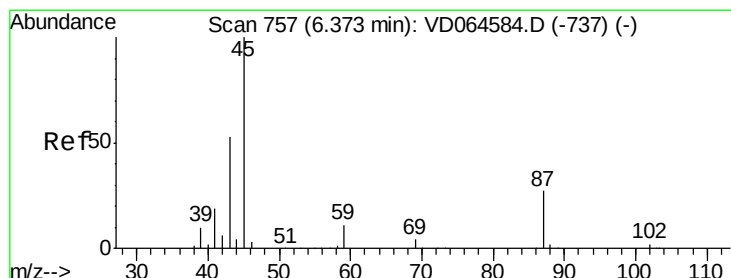
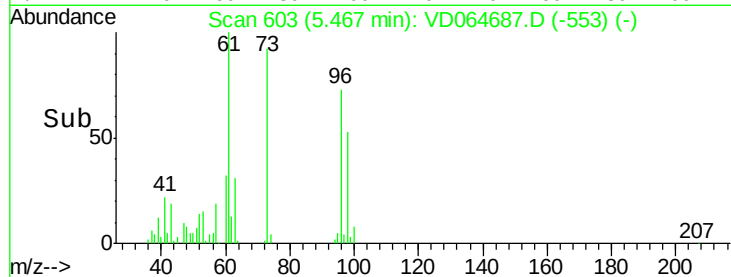
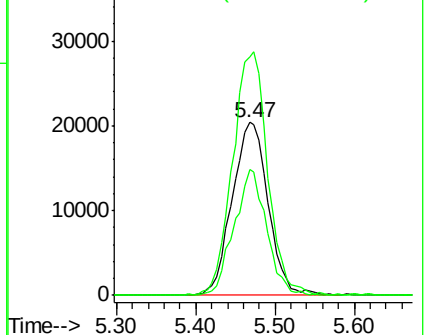
96 100

61 136.7 104.7 157.1

98 72.6 49.4 74.2



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



#22

Diisopropyl ether

Concen: 17.677 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Tgt Ion: 45 Resp: 176495

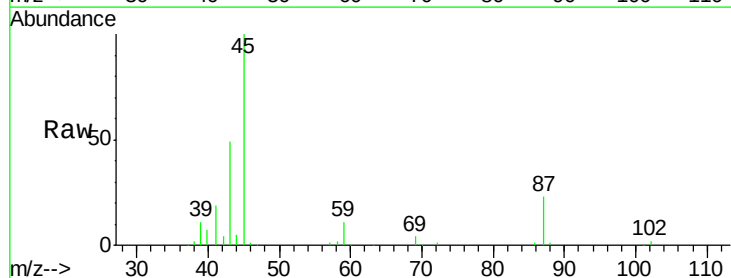
Ion Ratio Lower Upper

45 100

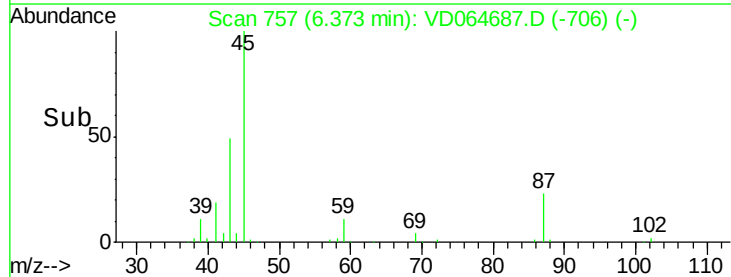
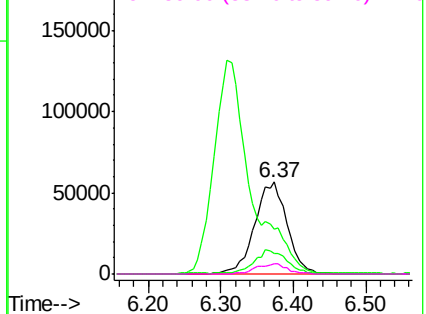
43 47.8 43.2 64.8

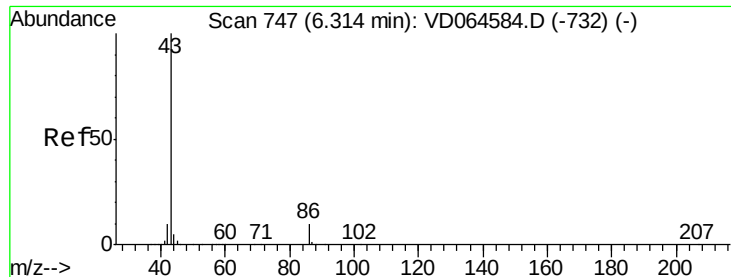
87 22.6 21.9 32.9

59 11.0 9.0 13.4



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





#23

Vinyl Acetate

Concen: 81.906 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

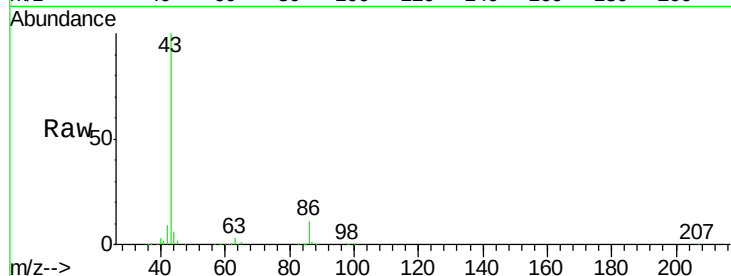
VD1231SBS01

Tgt Ion: 43 Resp: 463911

Ion Ratio Lower Upper

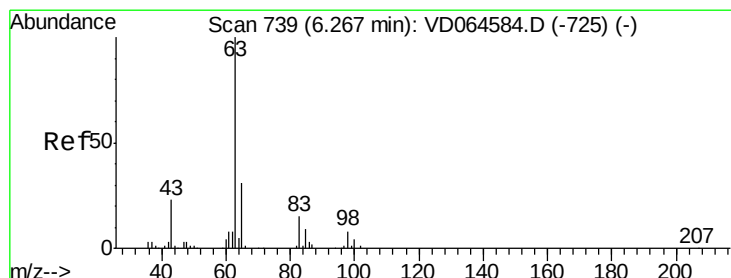
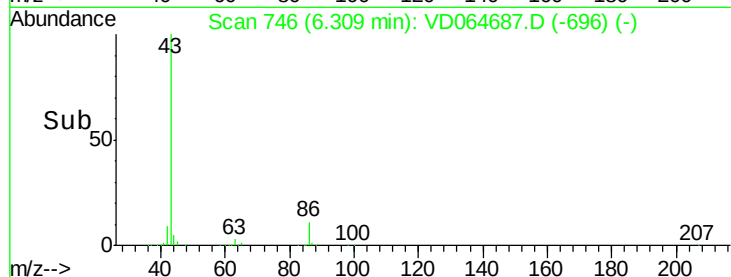
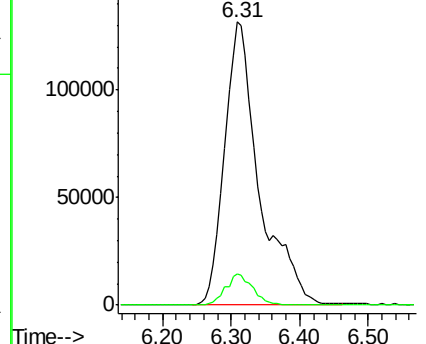
43 100

86 11.1 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 18.263 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

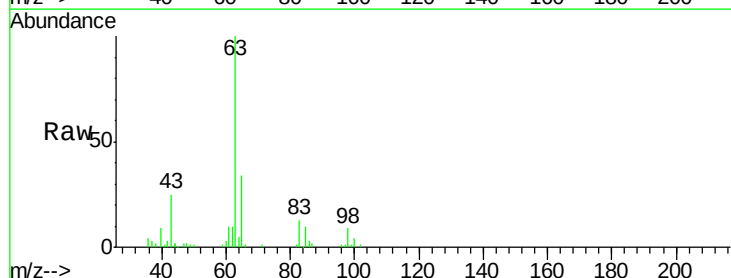
Tgt Ion: 63 Resp: 109469

Ion Ratio Lower Upper

63 100

98 8.5 4.1 12.3

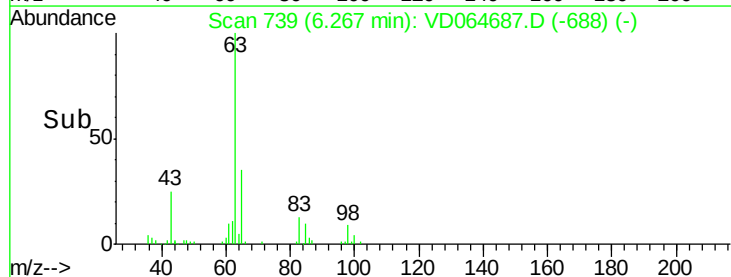
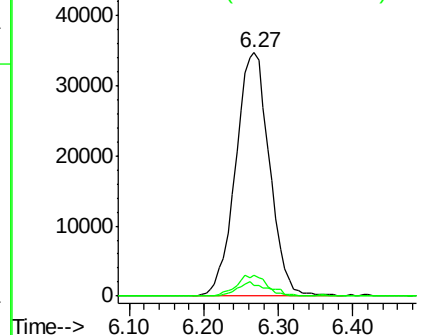
100 4.4 2.2 6.6

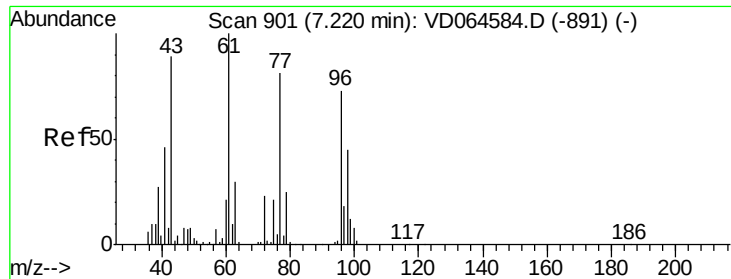


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 81.970 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

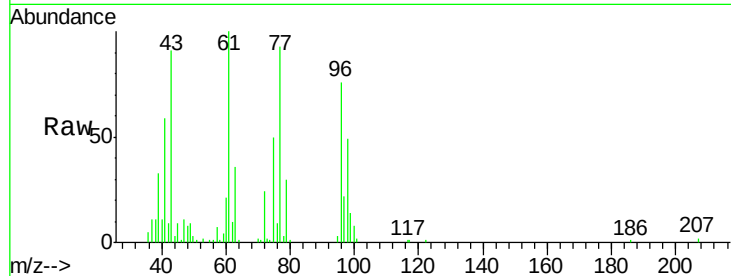
VD1231SBS01

Tgt Ion: 43 Resp: 72507

Ion Ratio Lower Upper

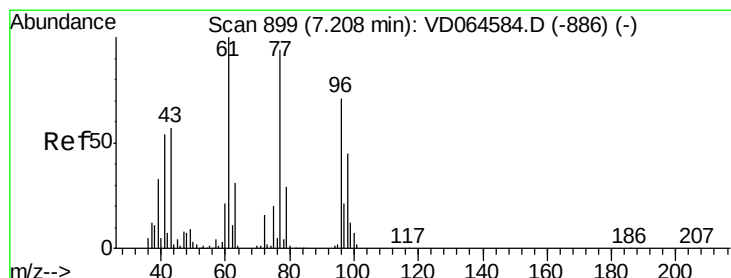
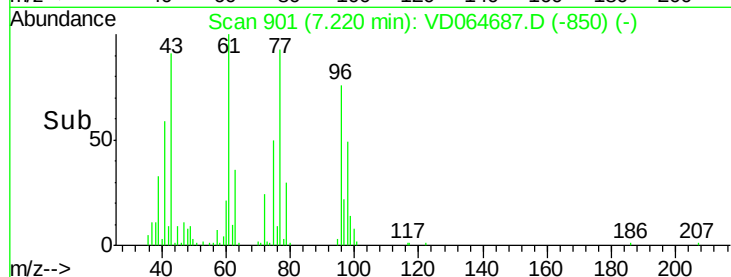
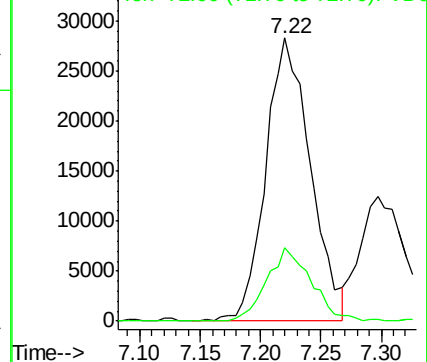
43 100

72 26.1 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 17.767 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064687.D

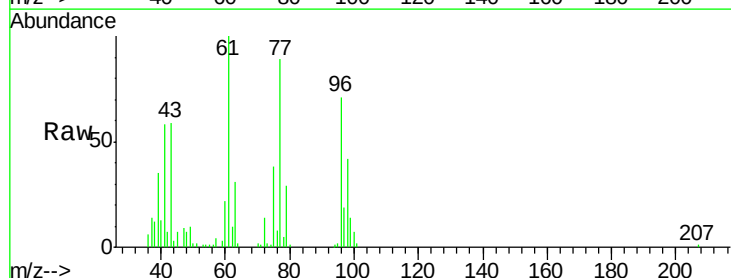
Acq: 31 Dec 2019 11:25

Tgt Ion: 77 Resp: 99018

Ion Ratio Lower Upper

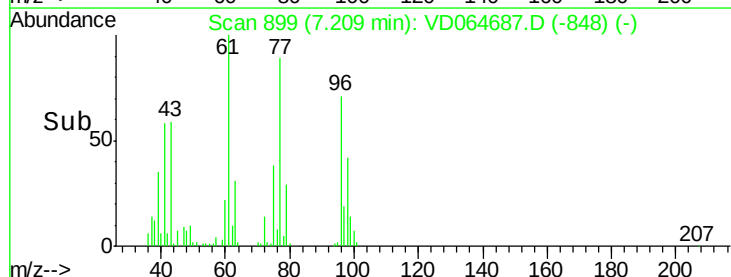
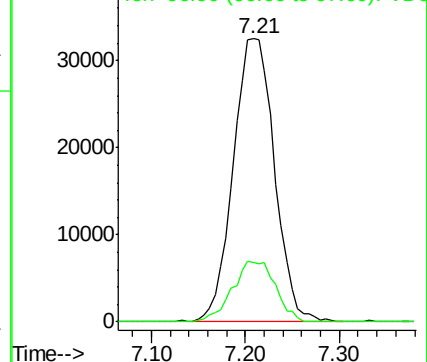
77 100

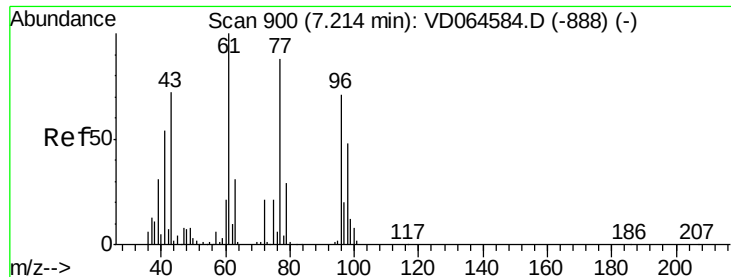
97 22.3 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



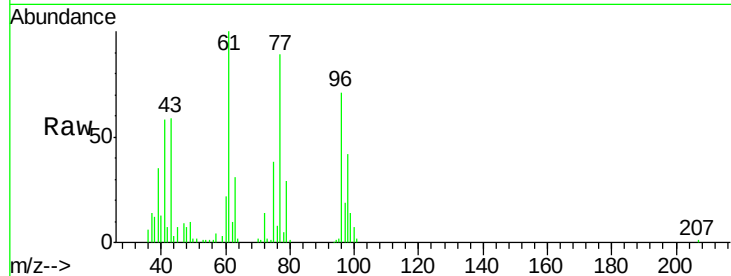


#27

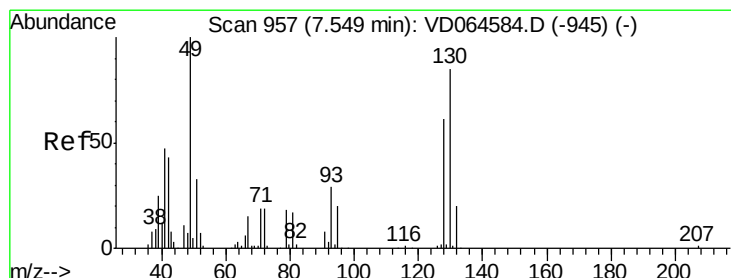
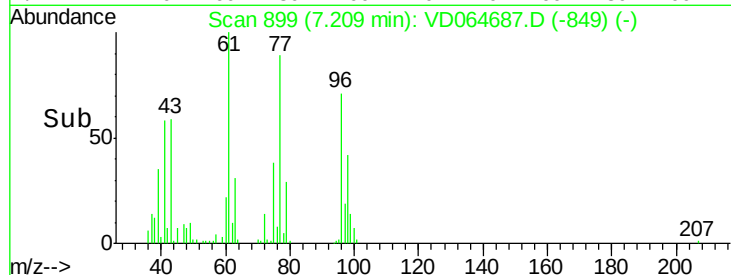
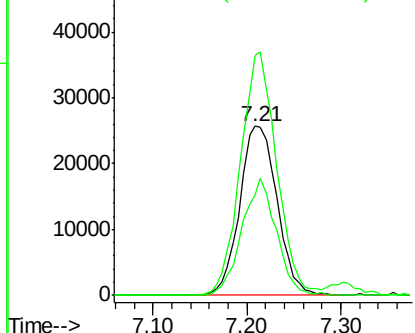
cis-1,2-Dichloroethene
 Concen: 17.955 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD064687.D
 Acq: 31 Dec 2019 11:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1231SBSD01

Tgt Ion: 96 Resp: 70856
 Ion Ratio Lower Upper
 96 100
 61 139.2 0.0 282.6
 98 63.2 0.0 130.8



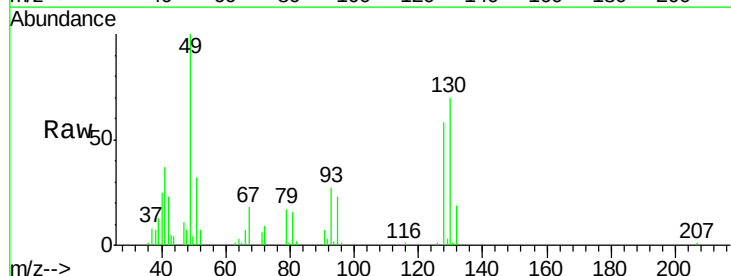
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



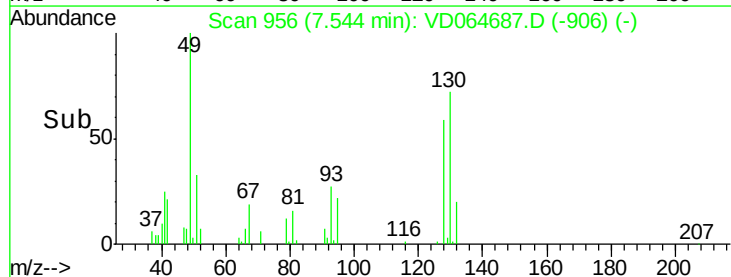
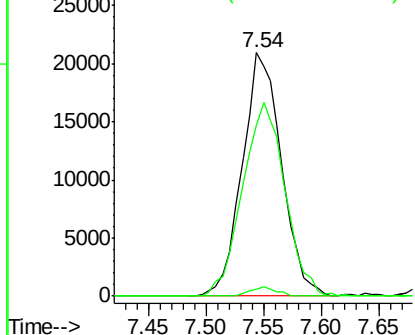
#28

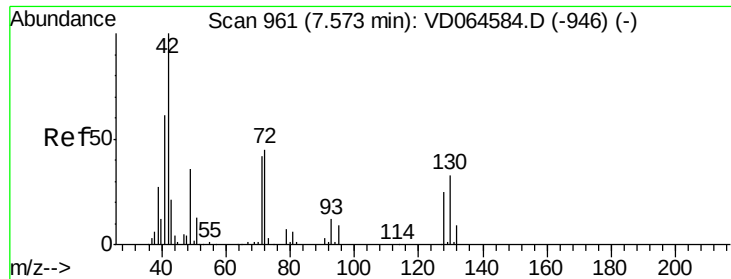
Bromochloromethane
 Concen: 21.243 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD064687.D
 Acq: 31 Dec 2019 11:25

Tgt Ion: 49 Resp: 49499
 Ion Ratio Lower Upper
 49 100
 129 2.6 0.0 4.8
 130 86.2 65.0 97.6



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

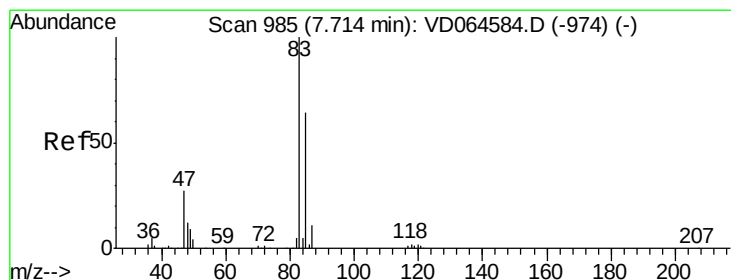
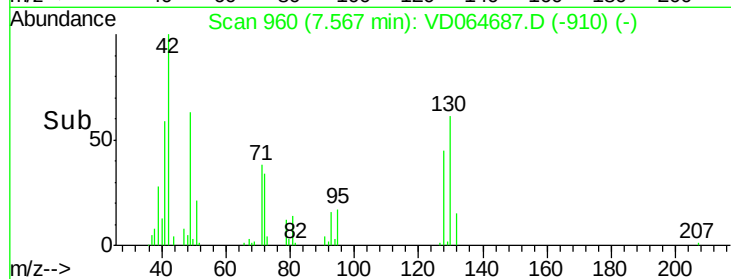
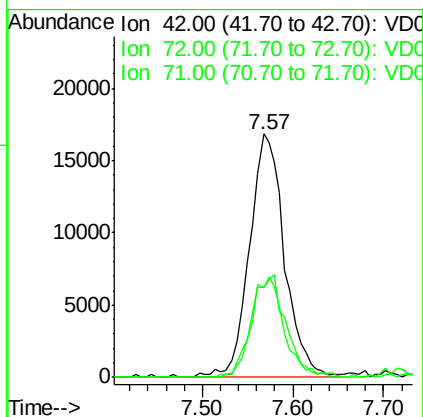
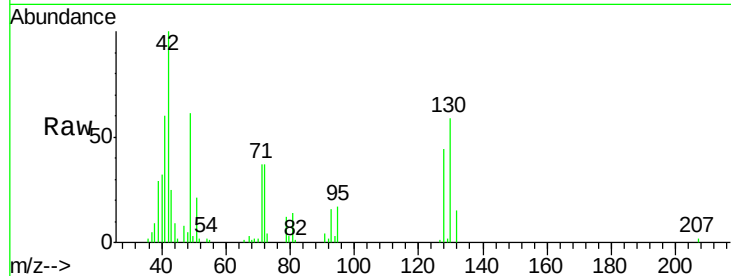




#29
Tetrahydrofuran
Concen: 81.989 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

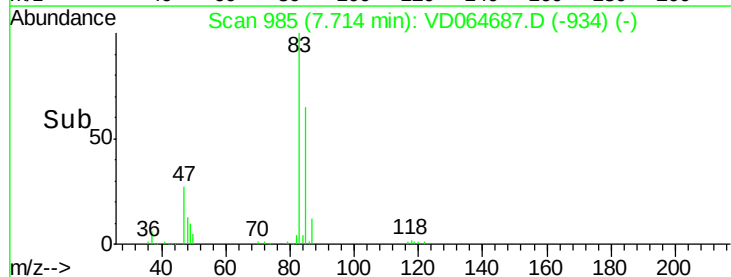
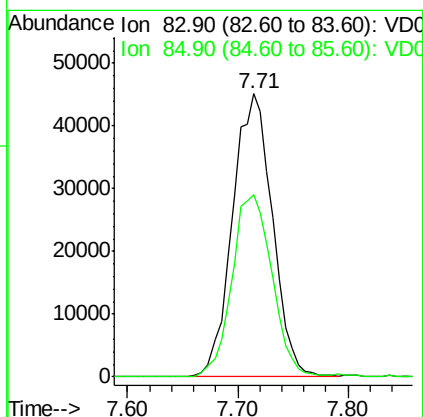
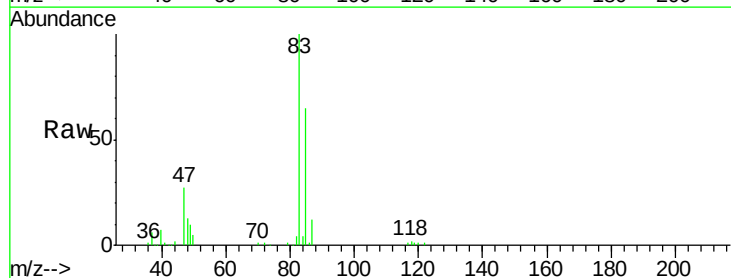
Instrument :
MSVOA_D
ClientSampleId :
VD1231SBSD01

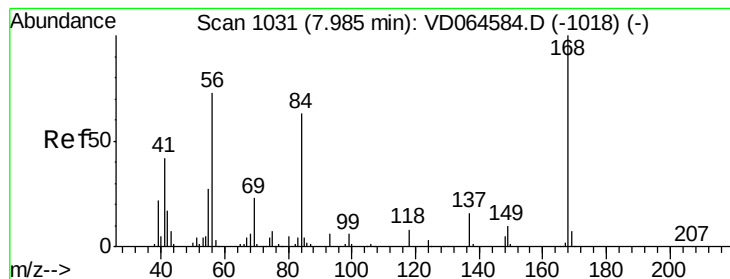
Tgt Ion: 42 Resp: 45101
Ion Ratio Lower Upper
42 100
72 41.6 35.0 52.4
71 38.8 32.9 49.3



#30
Chloroform
Concen: 18.188 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Tgt Ion: 83 Resp: 114385
Ion Ratio Lower Upper
83 100
85 64.5 51.1 76.7





#31

Cyclohexane

Concen: 17.301 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBS01

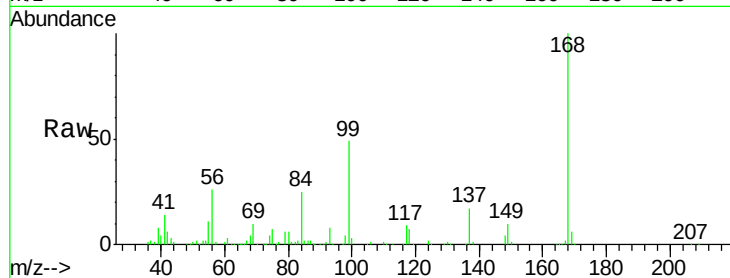
Tgt Ion: 56 Resp: 103808

Ion Ratio Lower Upper

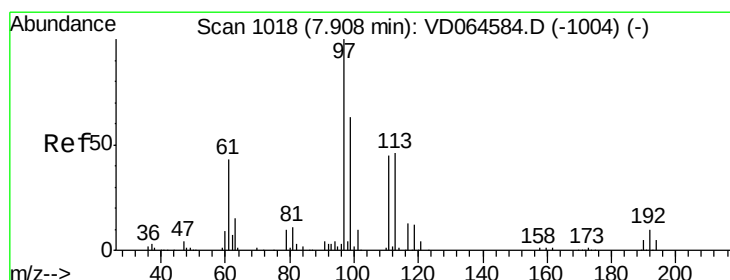
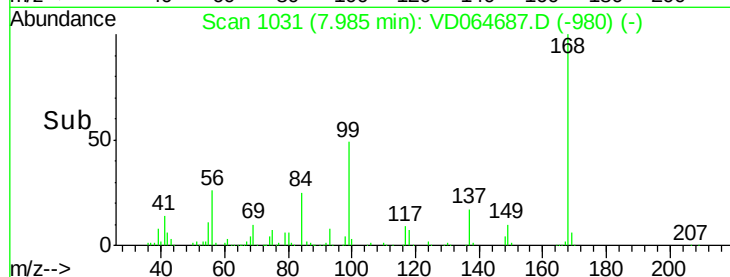
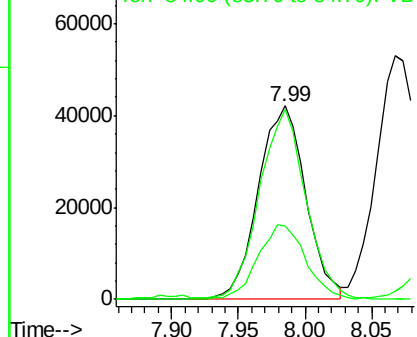
56 100

69 37.7 24.7 37.1#

84 97.4 69.4 104.2



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



#32

1,1,1-Trichloroethane

Concen: 18.073 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

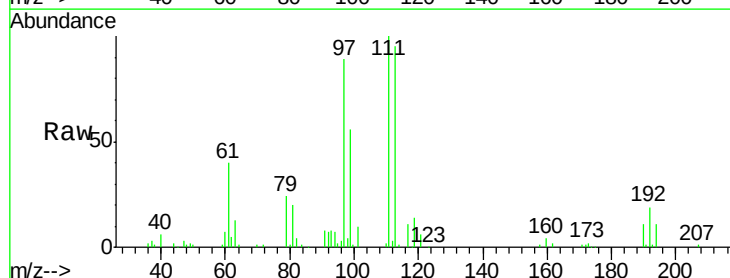
Tgt Ion: 97 Resp: 106757

Ion Ratio Lower Upper

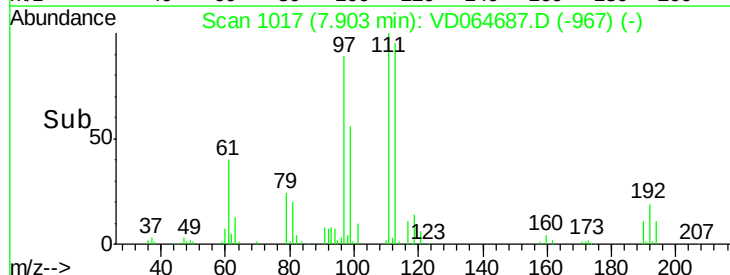
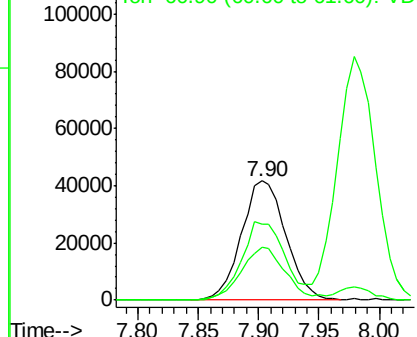
97 100

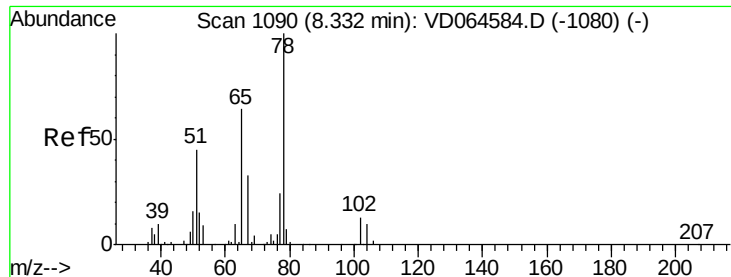
99 63.5 51.0 76.6

61 44.1 35.4 53.0



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

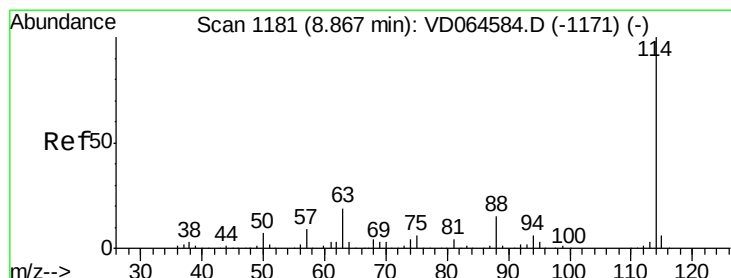
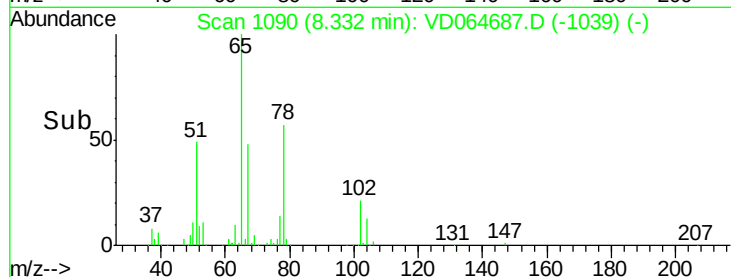
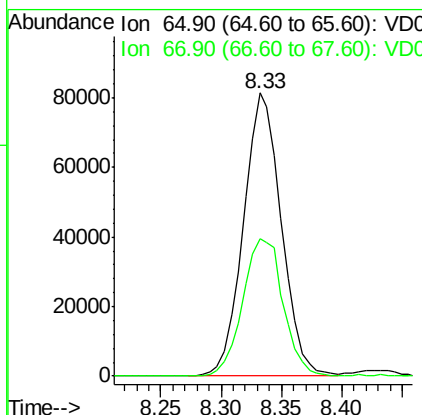
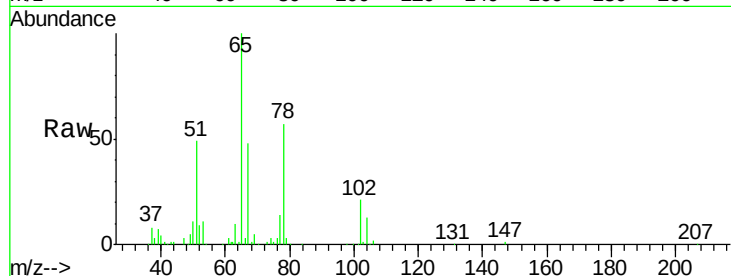




#33
 1,2-Dichloroethane-d4
 Concen: 55.351 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064687.D
 Acq: 31 Dec 2019 11:25

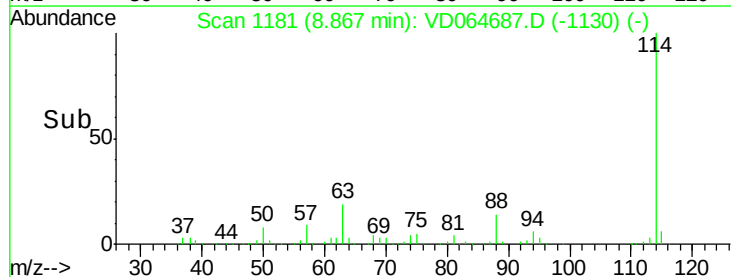
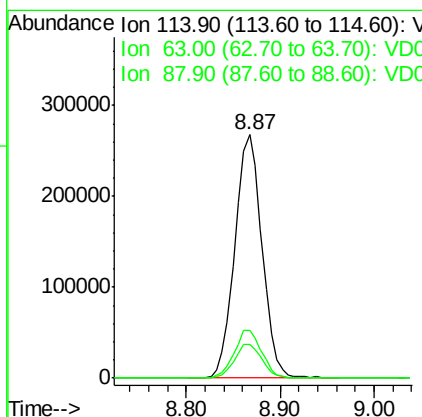
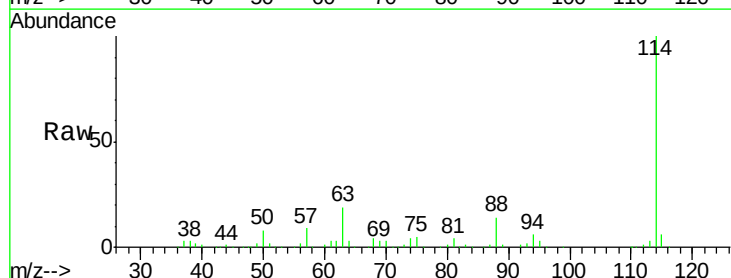
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1231SBSD01

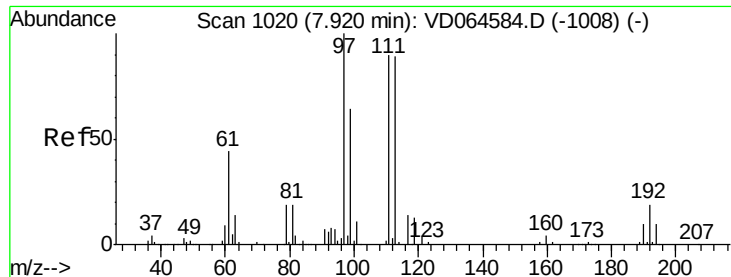
Tgt Ion: 65 Resp: 178121
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064687.D
 Acq: 31 Dec 2019 11:25

Tgt Ion: 114 Resp: 537009
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 38.0
 88 13.9 0.0 29.2

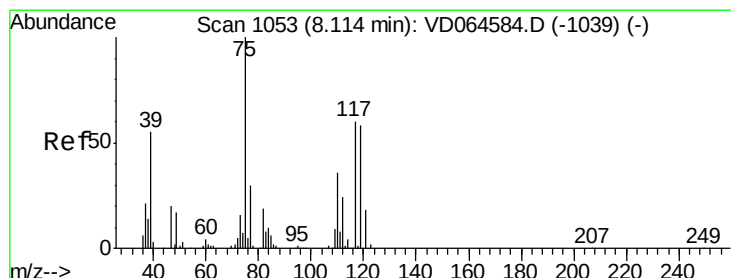
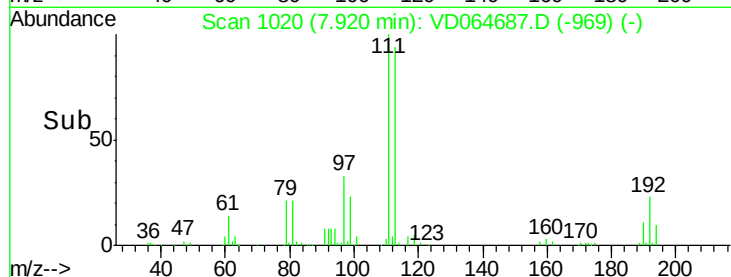
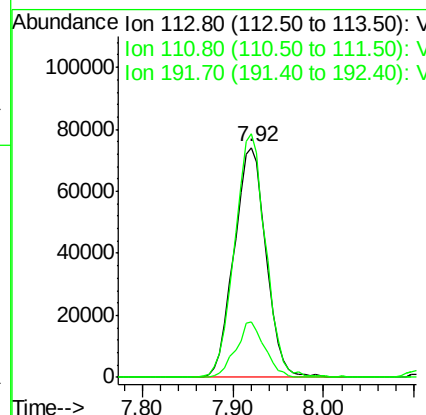
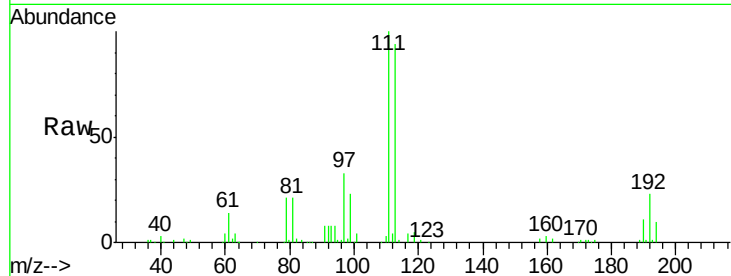




#35
 Dibromofluoromethane
 Concen: 55.139 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064687.D
 Acq: 31 Dec 2019 11:25

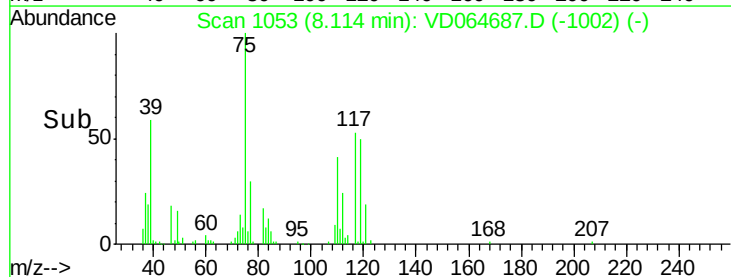
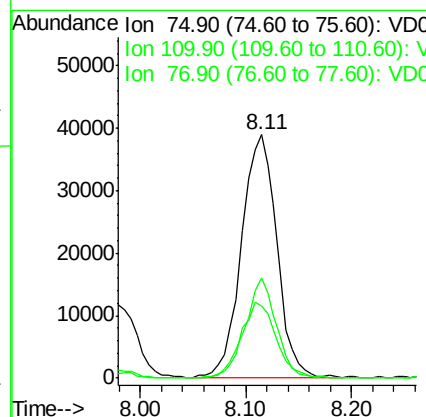
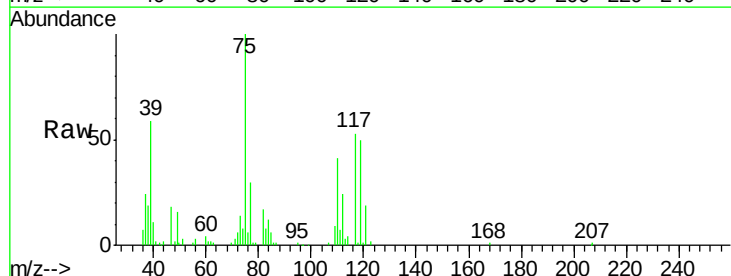
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1231SBSD01

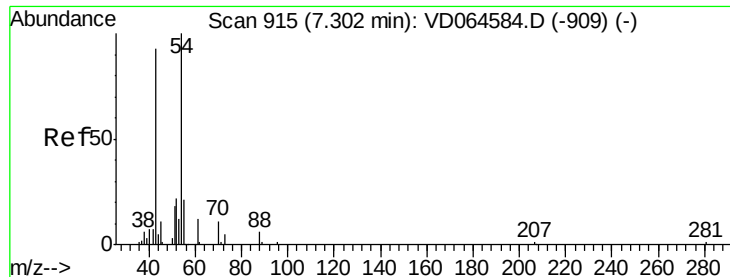
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	80.6	121.0
192	21.8	17.9	26.9



#36
 1,1-Dichloropropene
 Concen: 17.532 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064687.D
 Acq: 31 Dec 2019 11:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	18.1	54.1
77	30.9	24.2	36.4

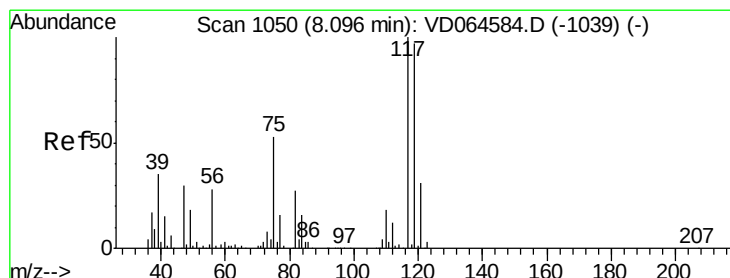
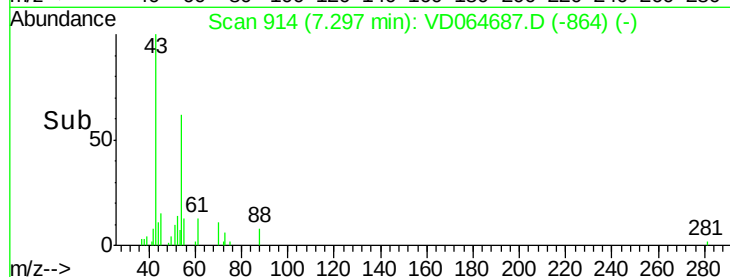
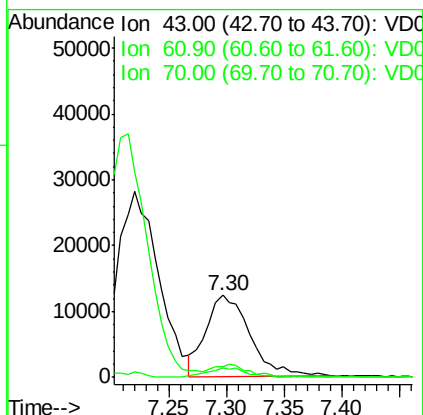
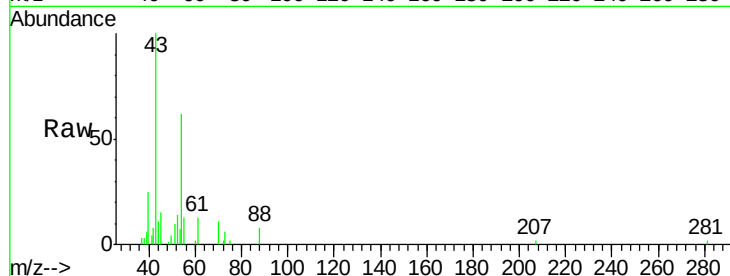




#37
Ethyl Acetate
Concen: 16.192 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

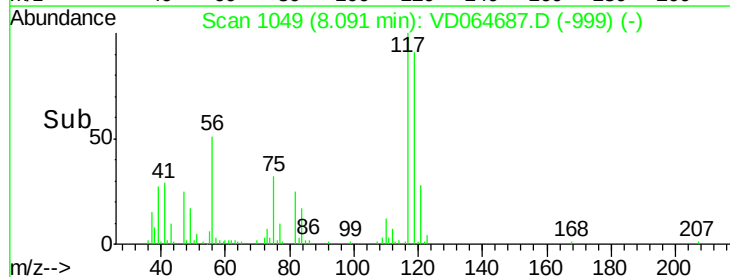
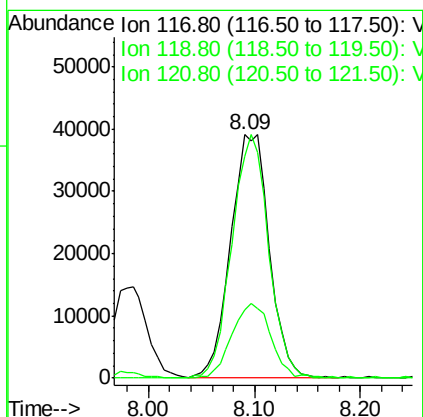
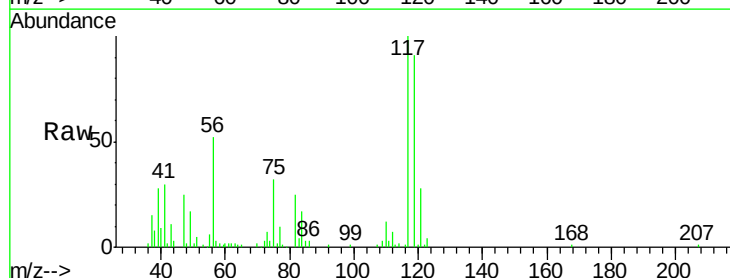
Instrument :
MSVOA_D
ClientSampleId :
VD1231SBSD01

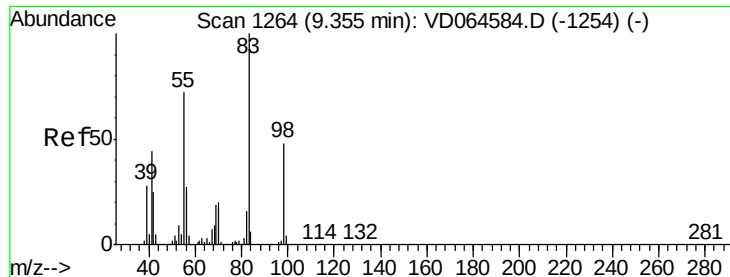
Tgt Ion: 43 Resp: 32879
Ion Ratio Lower Upper
43 100
61 12.6 10.3 15.5
70 10.4 7.6 11.4



#38
Carbon Tetrachloride
Concen: 18.033 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Tgt Ion: 117 Resp: 99389
Ion Ratio Lower Upper
117 100
119 91.1 77.3 115.9
121 28.0 25.0 37.6

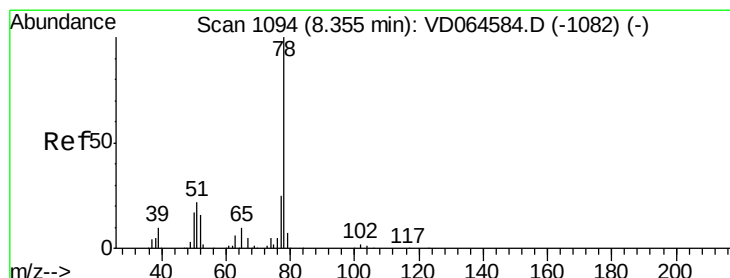
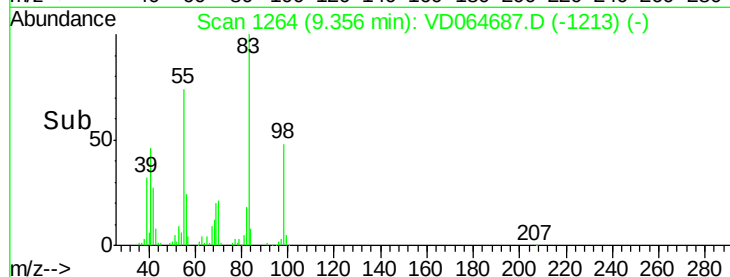
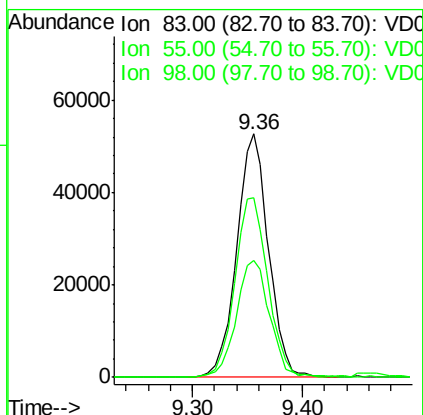
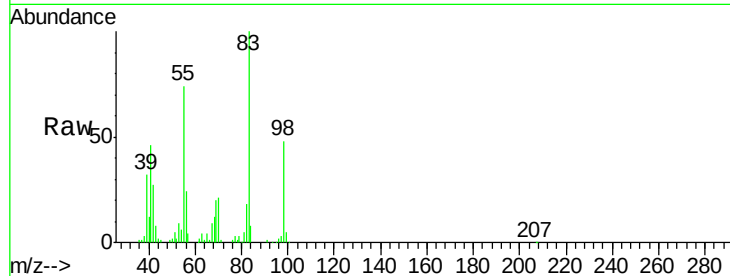




#39
Methylcyclohexane
Concen: 16.983 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

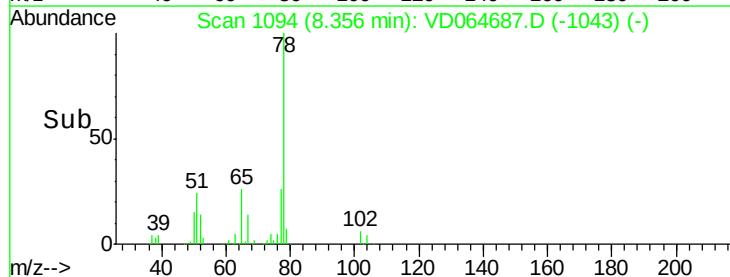
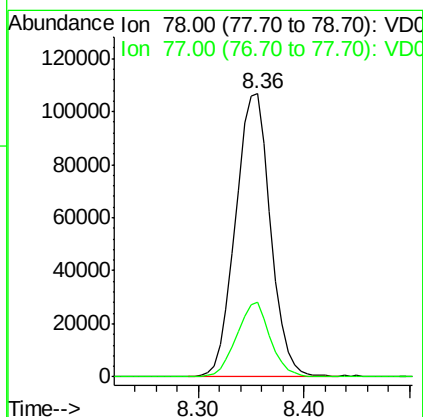
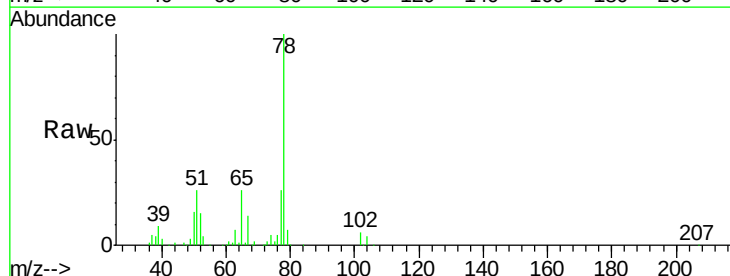
Instrument :
MSVOA_D
ClientSampleId :
VD1231SBS01

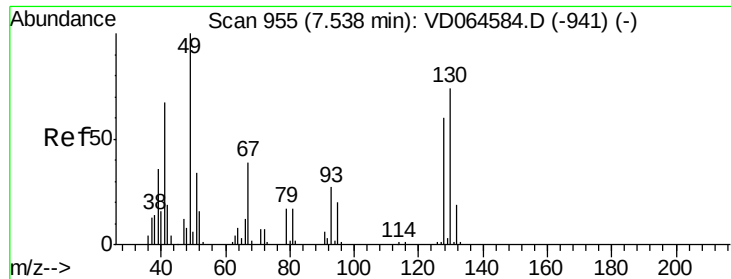
Tgt Ion: 83 Resp: 106318
Ion Ratio Lower Upper
83 100
55 73.8 57.8 86.6
98 47.8 38.7 58.1



#40
Benzene
Concen: 17.388 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Tgt Ion: 78 Resp: 245347
Ion Ratio Lower Upper
78 100
77 26.4 19.9 29.9

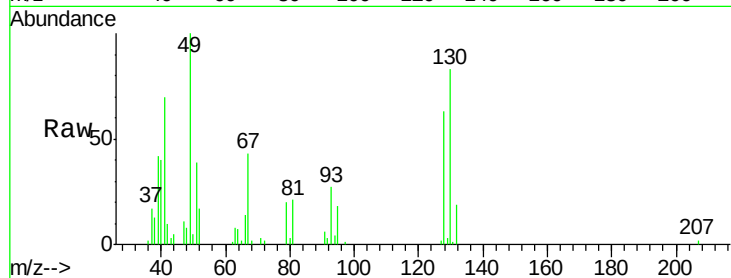




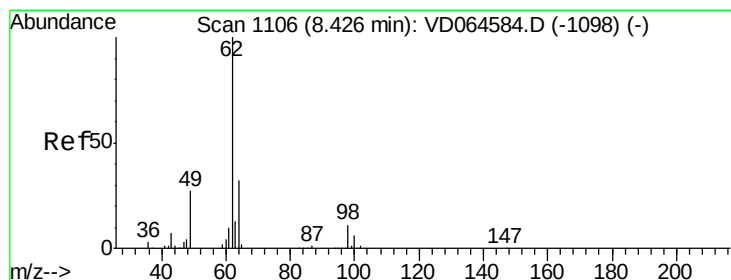
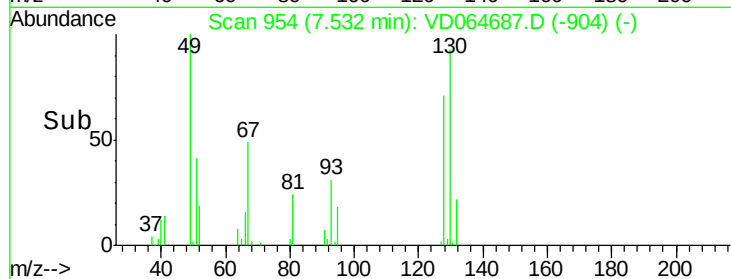
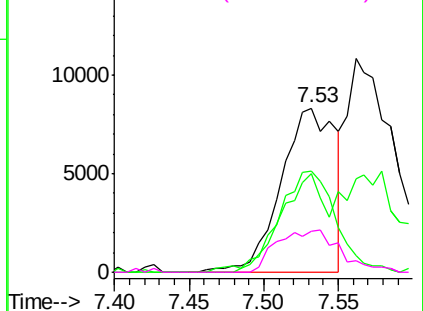
#41
Methacrylonitrile
Concen: 17.924 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.01 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Instrument :
MSVOA_D
ClientSampleId :
VD1231SBSD01

Tgt Ion: 41 Resp: 21117
Ion Ratio Lower Upper
41 100
39 49.3 46.7 70.1
67 64.2 52.5 78.7
52 29.8 24.1 36.1

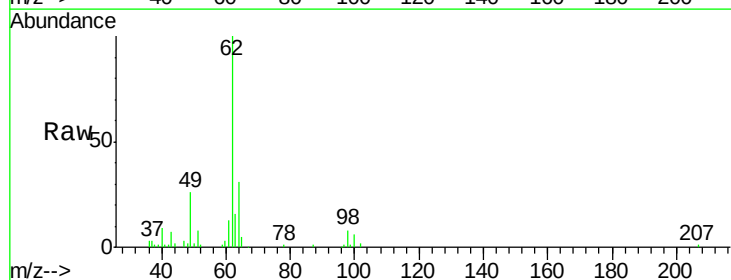


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

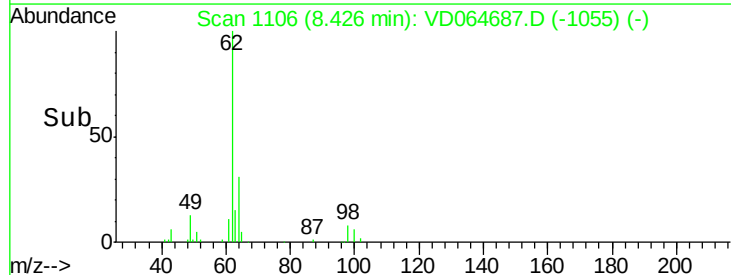
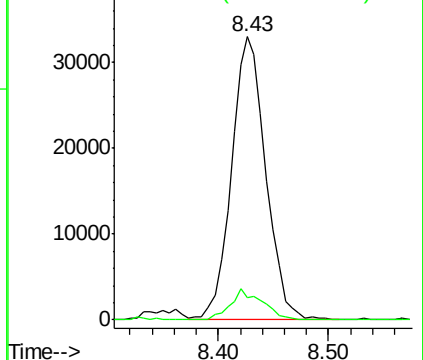


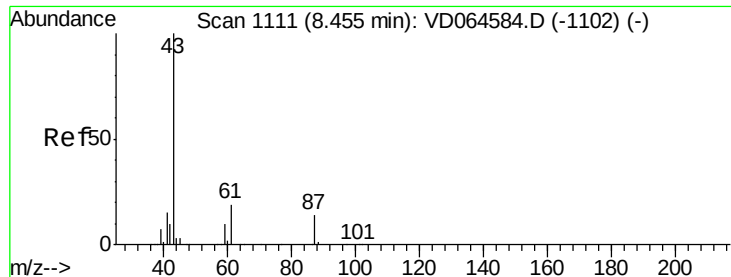
#42
1,2-Dichloroethane
Concen: 17.562 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Tgt Ion: 62 Resp: 71607
Ion Ratio Lower Upper
62 100
98 10.1 0.0 20.0



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





#43

Isopropyl Acetate

Concen: 15.811 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBSD01

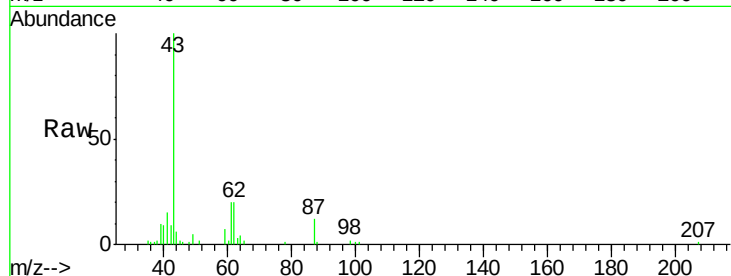
Tgt Ion: 43 Resp: 63901

Ion Ratio Lower Upper

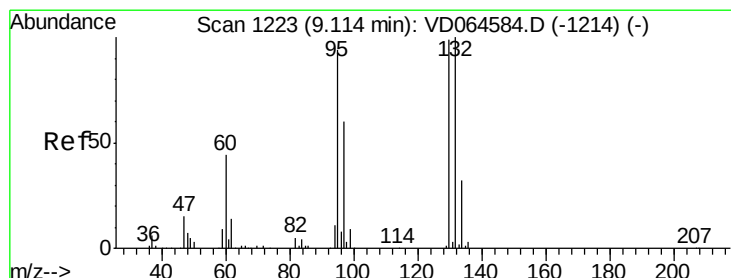
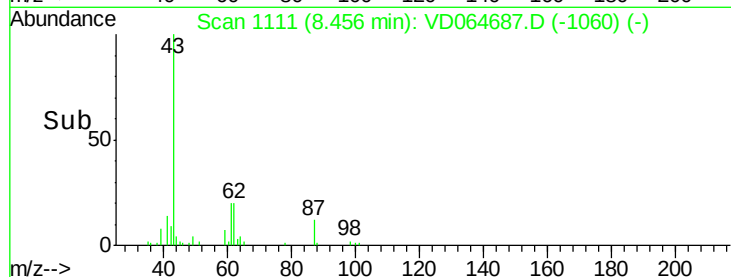
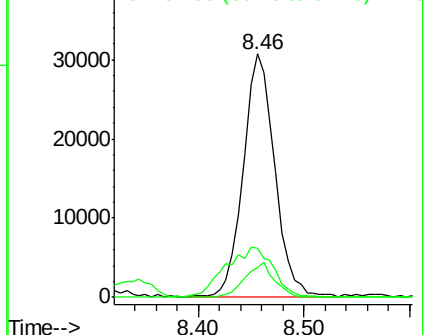
43 100

61 30.9 23.7 35.5

87 13.3 10.5 15.7



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 17.140 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064687.D

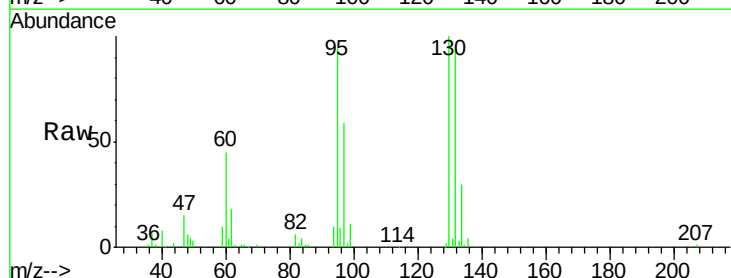
Acq: 31 Dec 2019 11:25

Tgt Ion: 130 Resp: 71047

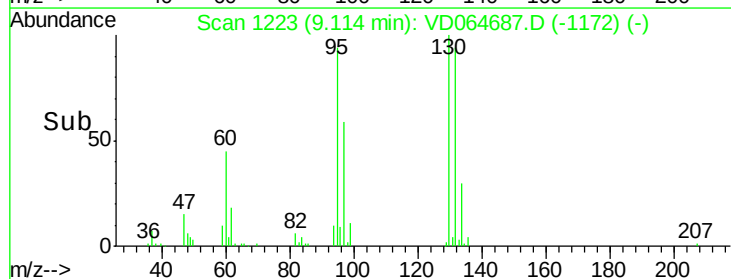
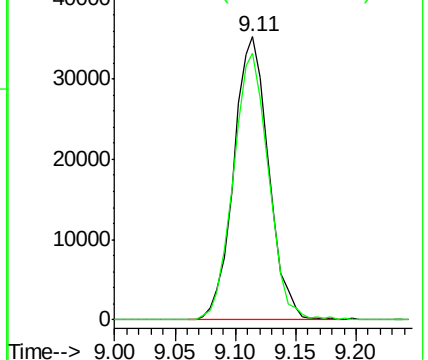
Ion Ratio Lower Upper

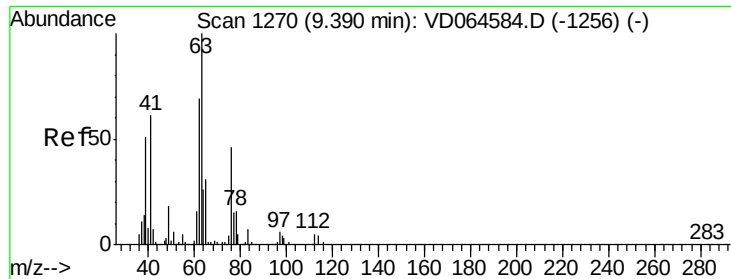
130 100

95 94.4 0.0 190.2



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

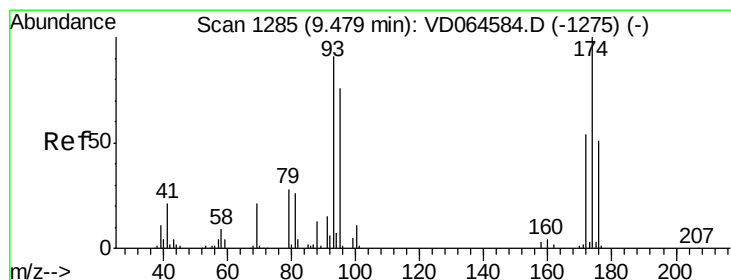
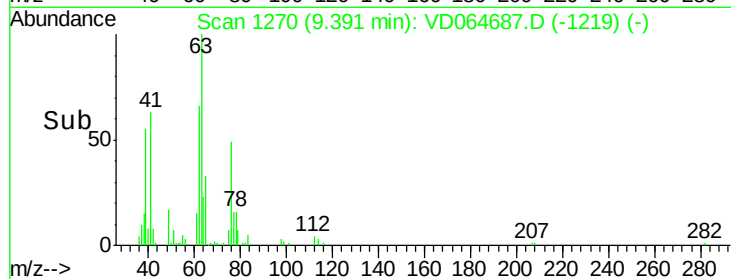
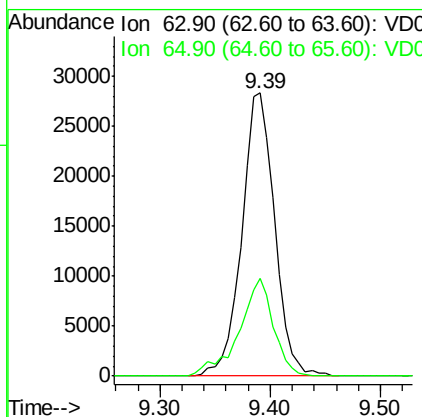
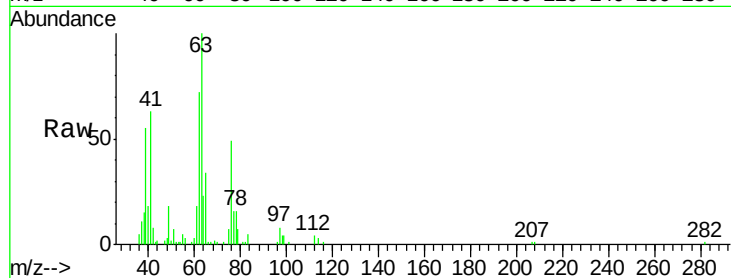




#45
 1,2-Dichloropropane
 Concen: 17.572 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064687.D
 Acq: 31 Dec 2019 11:25

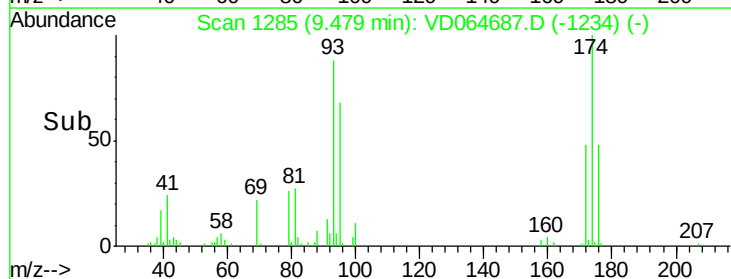
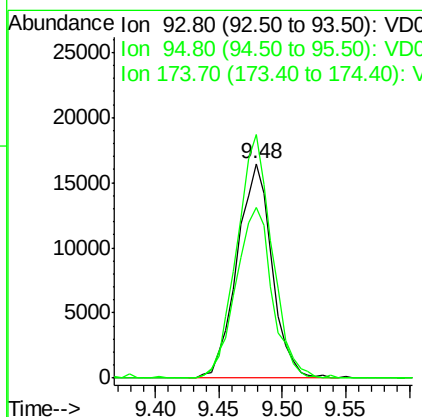
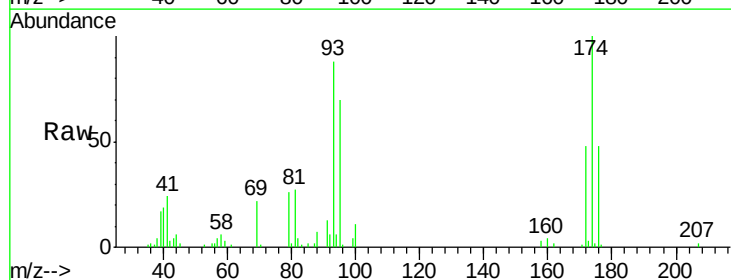
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1231SBSD01

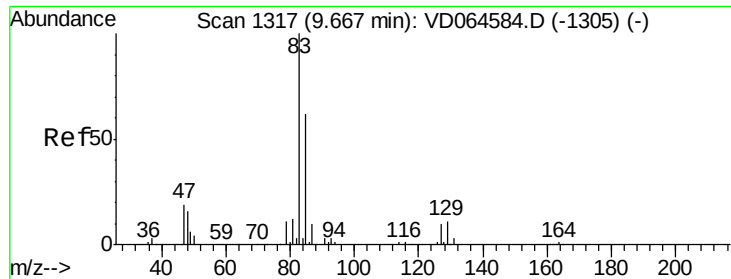
Tgt Ion: 63 Resp: 59198
 Ion Ratio Lower Upper
 63 100
 65 34.5 25.2 37.8



#46
 Dibromomethane
 Concen: 16.743 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064687.D
 Acq: 31 Dec 2019 11:25

Tgt Ion: 93 Resp: 31449
 Ion Ratio Lower Upper
 93 100
 95 82.5 64.6 97.0
 174 114.2 88.1 132.1





#47

Bromodichloromethane

Concen: 17.473 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBSD01

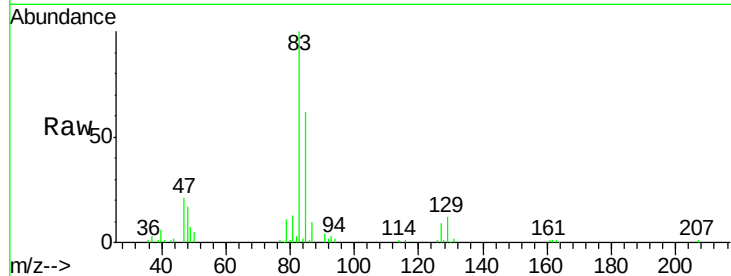
Tgt Ion: 83 Resp: 87334

Ion Ratio Lower Upper

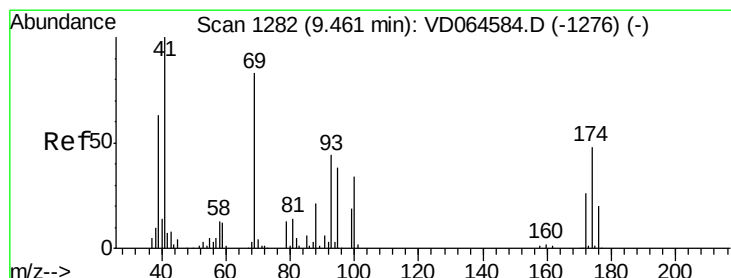
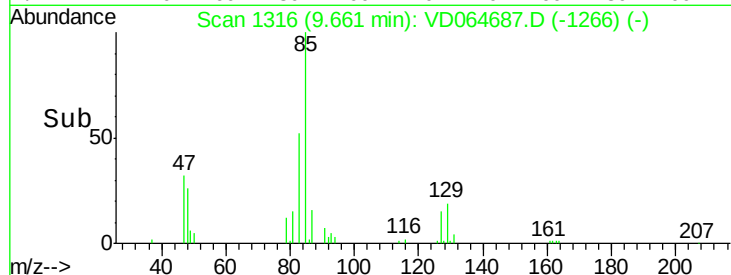
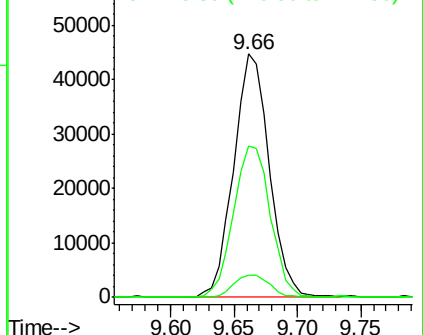
83 100

85 62.1 49.5 74.3

127 9.2 7.8 11.6



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



#48

Methyl methacrylate

Concen: 17.150 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

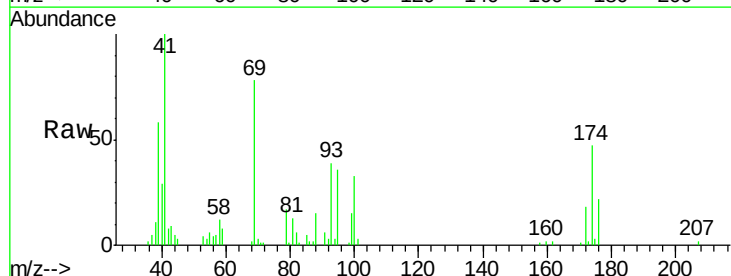
Tgt Ion: 41 Resp: 32637

Ion Ratio Lower Upper

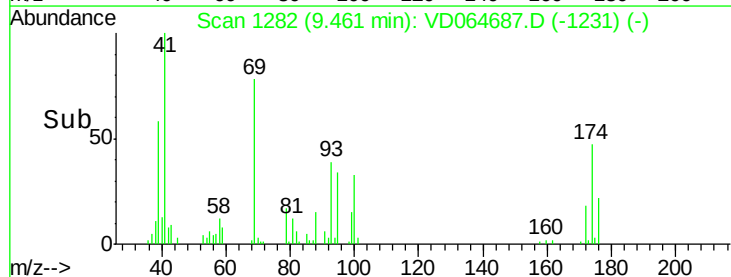
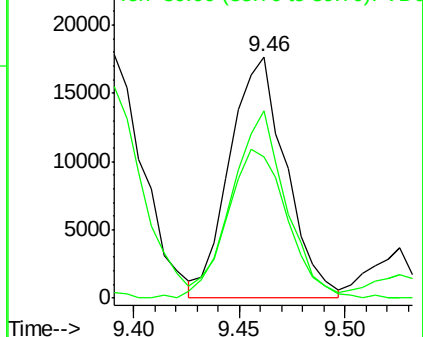
41 100

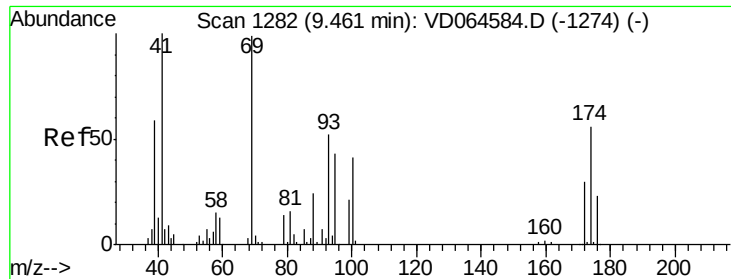
69 75.1 63.0 94.6

39 60.4 47.4 71.2



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

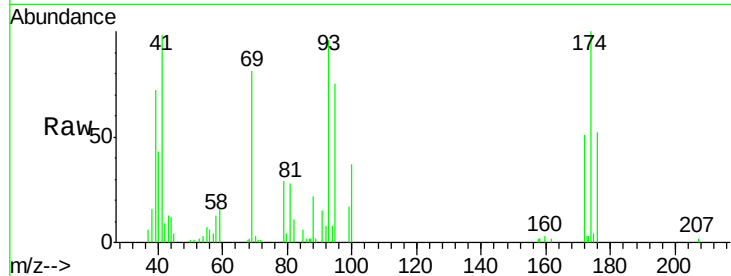




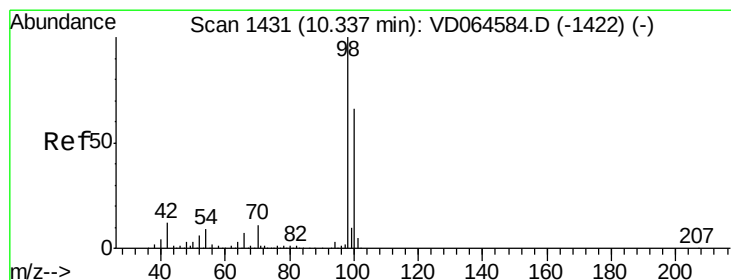
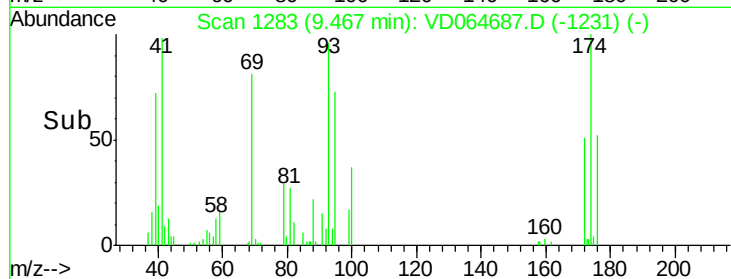
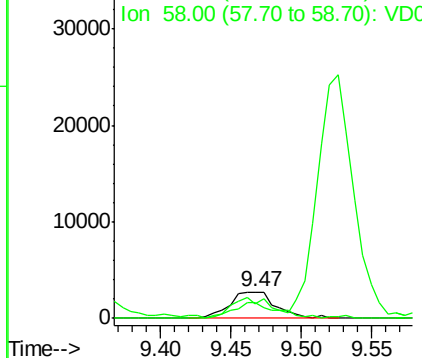
#49
 1,4-Dioxane
 Concen: 292.778 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. 0.01 min
 Lab File: VD064687.D
 Acq: 31 Dec 2019 11:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1231SBSD01

Tgt Ion: 88 Resp: 6341
 Ion Ratio Lower Upper
 88 100
 43 42.8 27.7 41.5#
 58 71.9 53.8 80.6

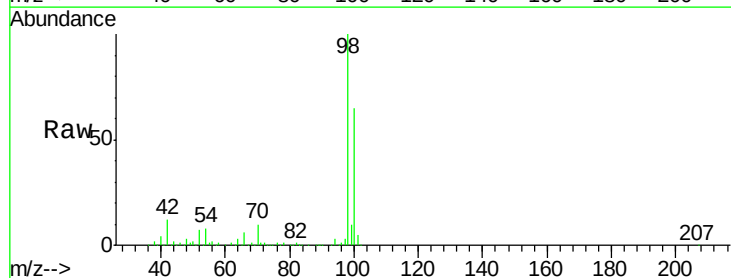


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

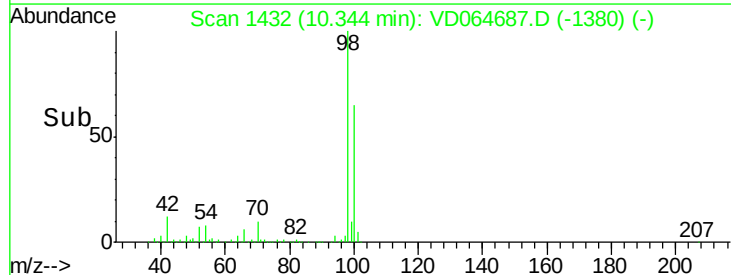
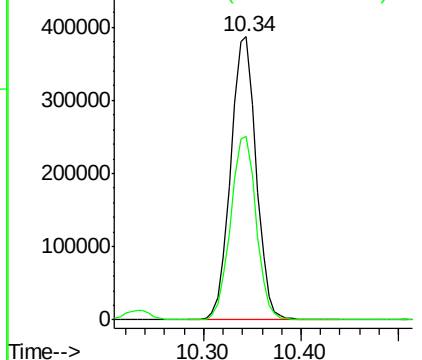


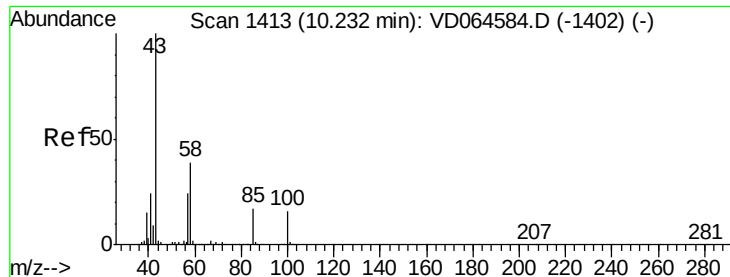
#50
 Toluene-d8
 Concen: 55.718 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: VD064687.D
 Acq: 31 Dec 2019 11:25

Tgt Ion: 98 Resp: 703054
 Ion Ratio Lower Upper
 98 100
 100 64.8 51.7 77.5



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





#51

4-Methyl-2-Pentanone

Concen: 78.793 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

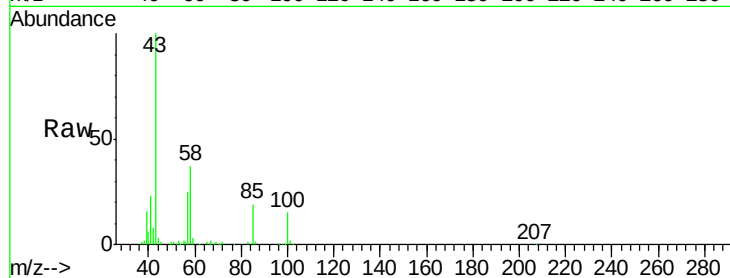
VD1231SBS01

Tgt Ion: 43 Resp: 157402

Ion Ratio Lower Upper

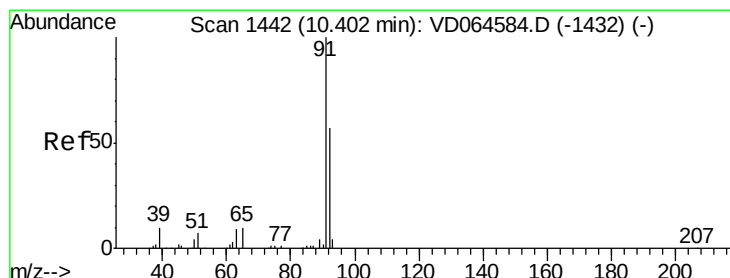
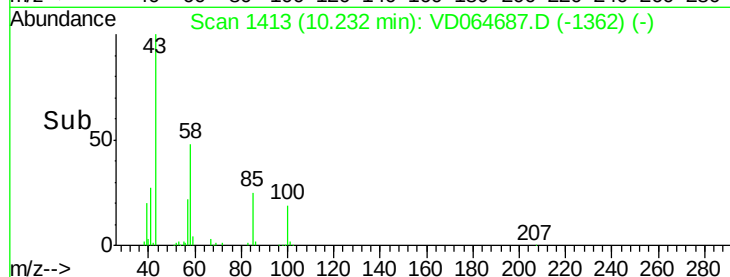
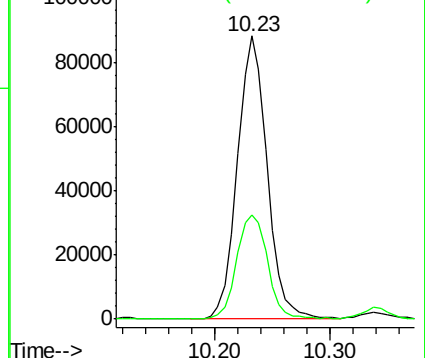
43 100

58 38.4 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 17.520 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD064687.D

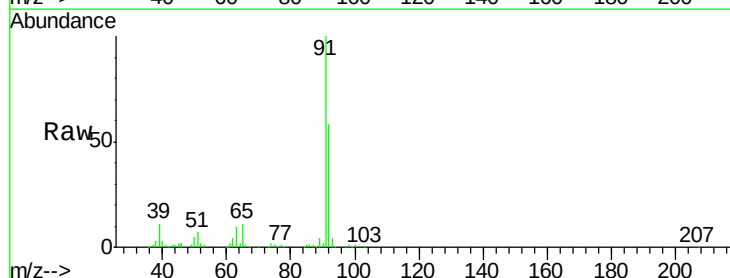
Acq: 31 Dec 2019 11:25

Tgt Ion: 92 Resp: 162185

Ion Ratio Lower Upper

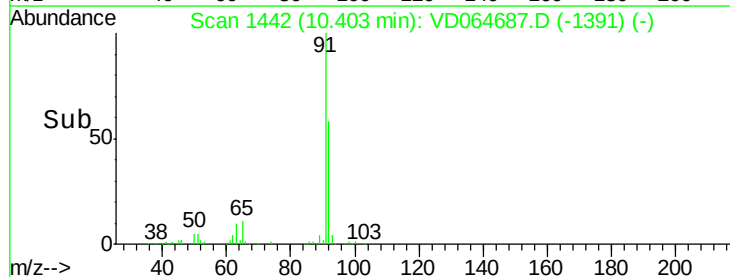
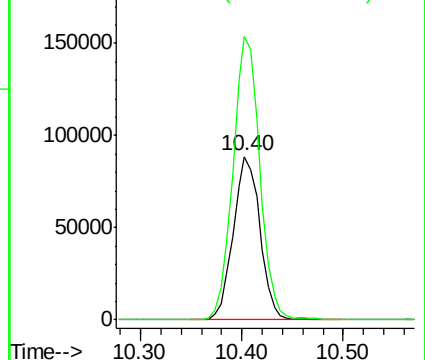
92 100

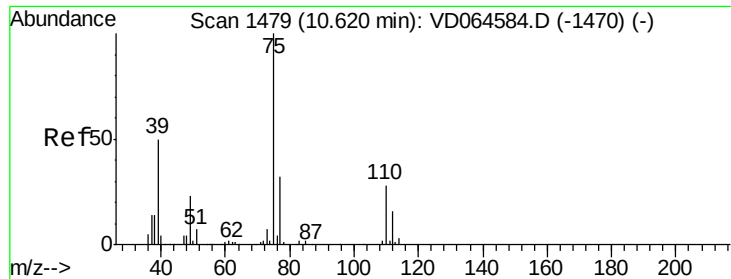
91 174.0 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 17.163 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

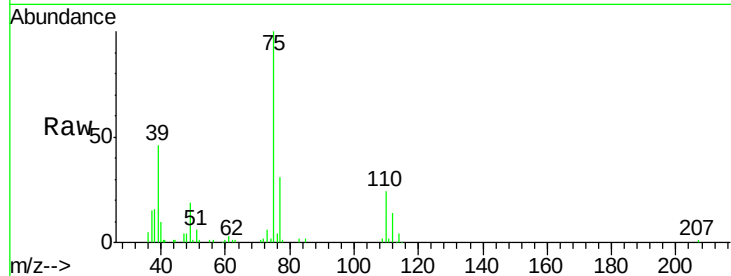
VD1231SBSD01

Tgt Ion: 75 Resp: 79975

Ion Ratio Lower Upper

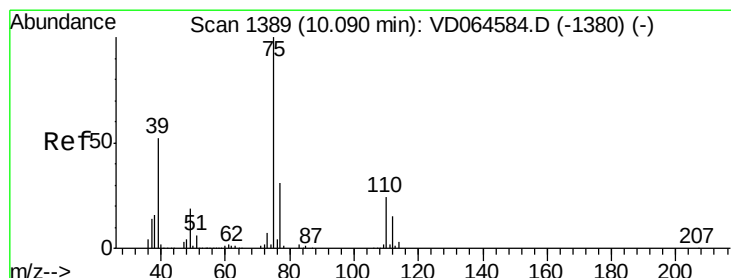
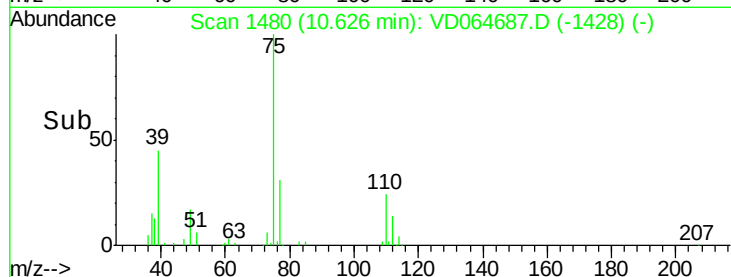
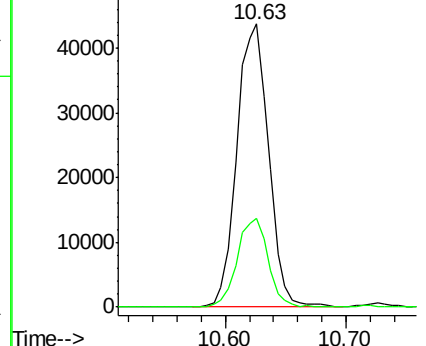
75 100

77 31.3 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 17.128 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

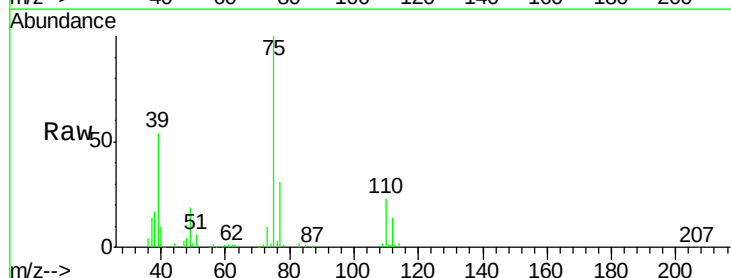
Tgt Ion: 75 Resp: 94112

Ion Ratio Lower Upper

75 100

77 30.9 24.6 36.8

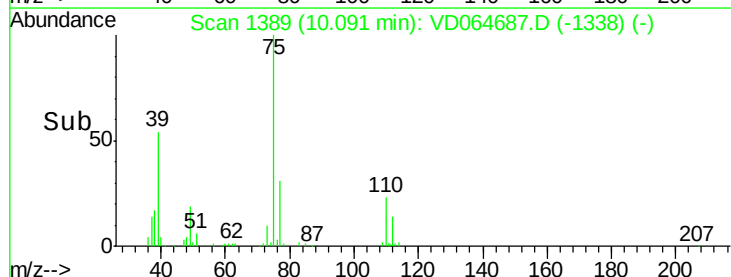
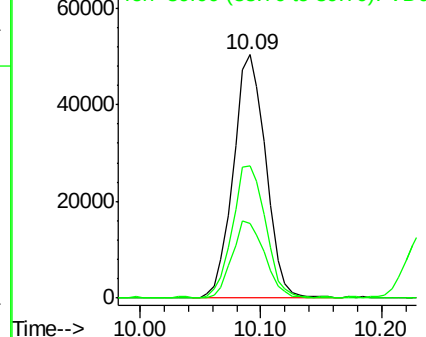
39 53.9 41.4 62.2

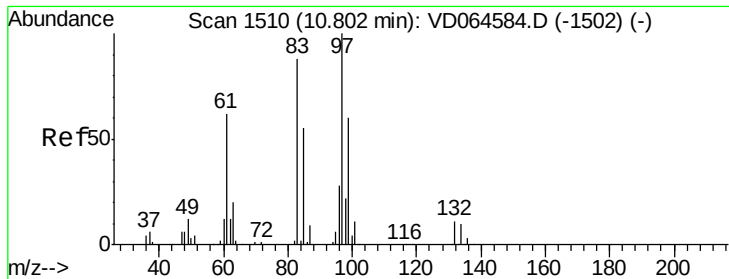


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





#55

1,1,2-Trichloroethane

Concen: 16.542 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBSD01

Tgt Ion: 97 Resp: 41874

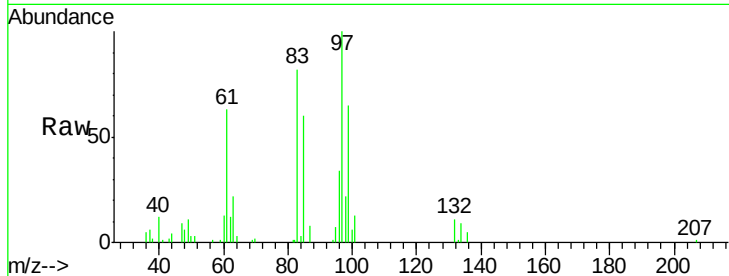
Ion Ratio Lower Upper

97 100

83 82.1 70.2 105.4

85 60.1 44.0 66.0

99 64.7 47.8 71.6

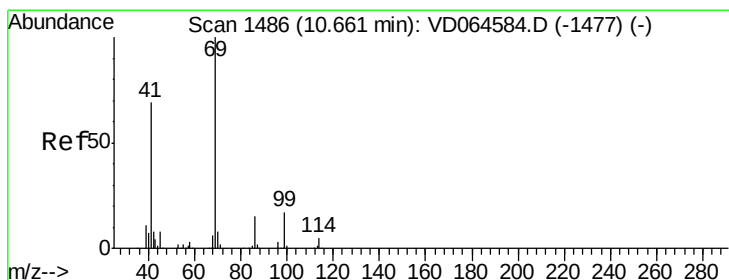
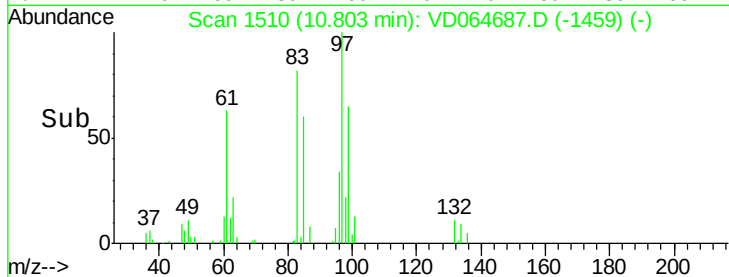
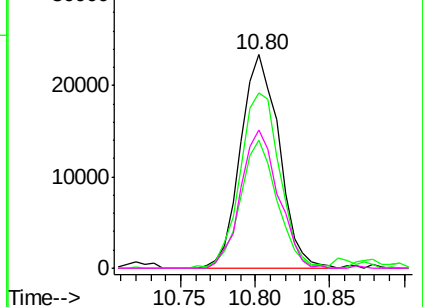


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 15.633 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

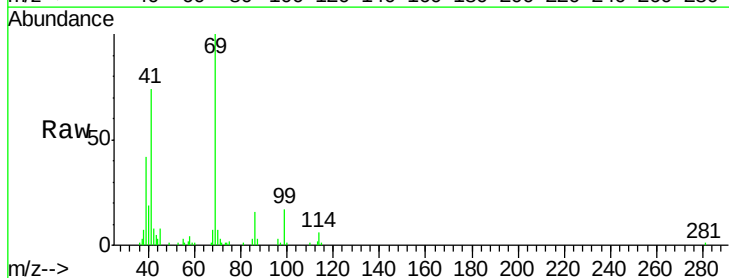
Tgt Ion: 69 Resp: 49421

Ion Ratio Lower Upper

69 100

41 69.8 55.3 82.9

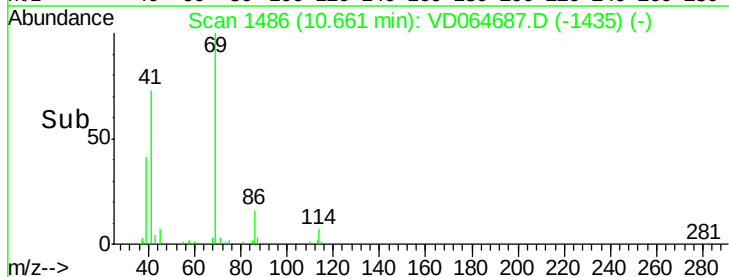
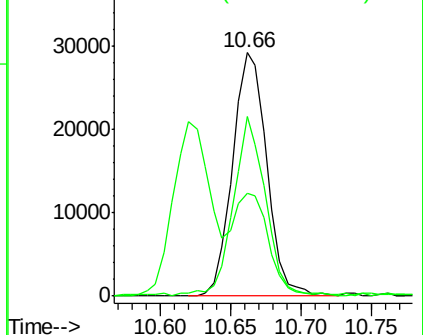
39 44.8 33.8 50.8

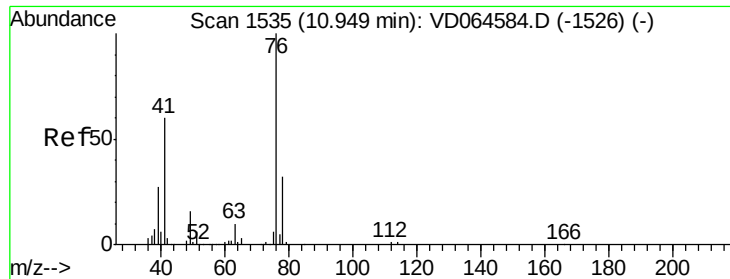


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

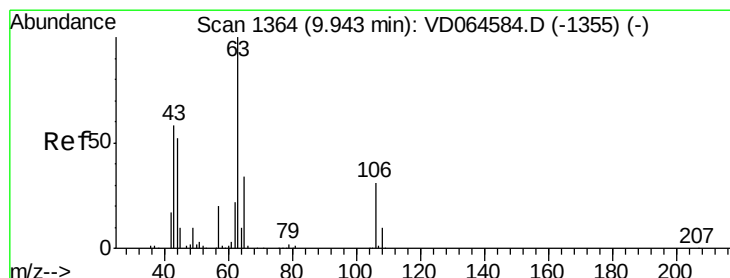
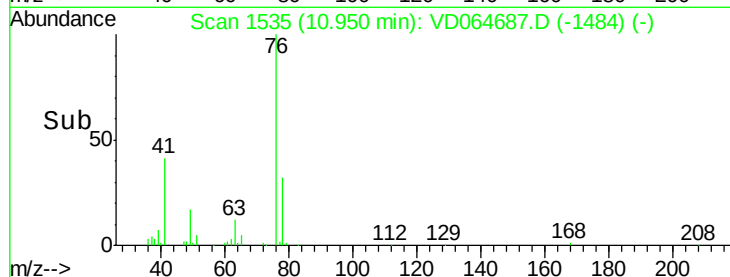
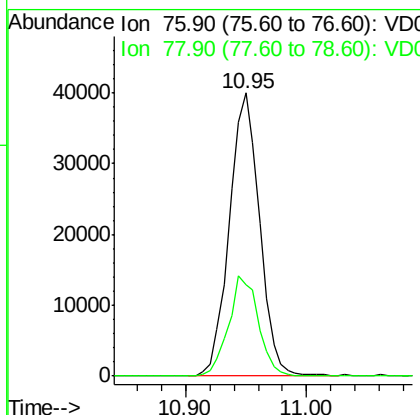
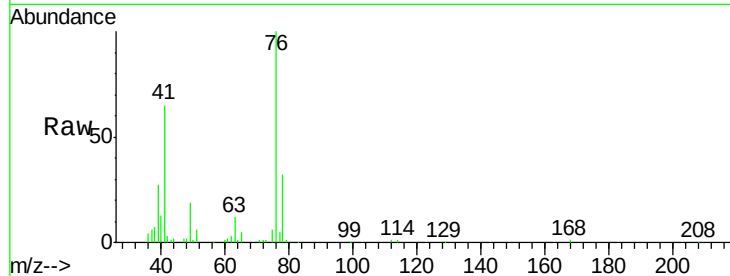




#57
 1,3-Dichloropropane
 Concen: 16.024 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064687.D
 Acq: 31 Dec 2019 11:25

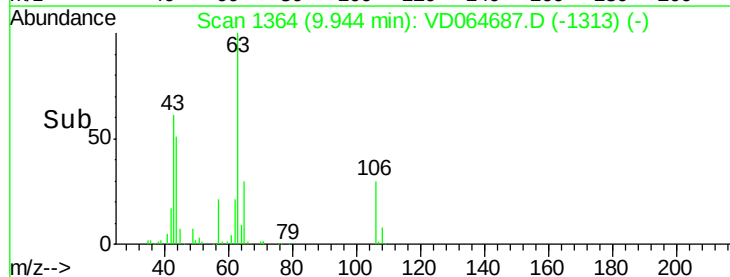
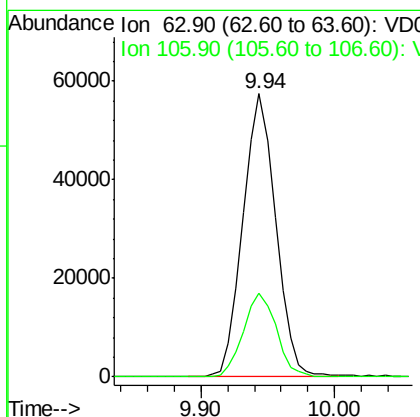
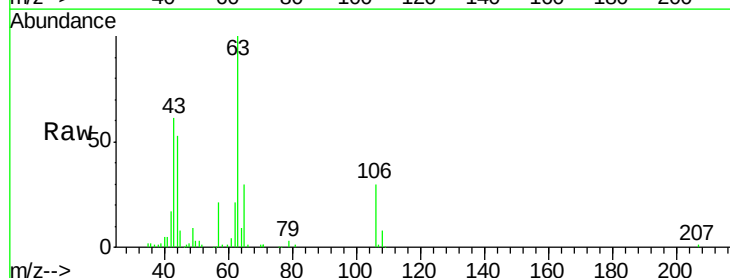
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1231SBS01

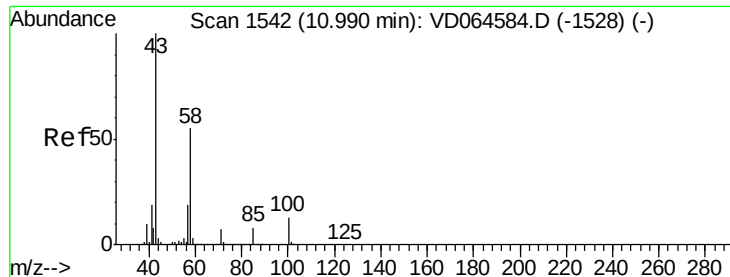
Tgt Ion: 76 Resp: 69838
 Ion Ratio Lower Upper
 76 100
 78 34.8 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 81.004 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064687.D
 Acq: 31 Dec 2019 11:25

Tgt Ion: 63 Resp: 97564
 Ion Ratio Lower Upper
 63 100
 106 29.5 23.8 35.8

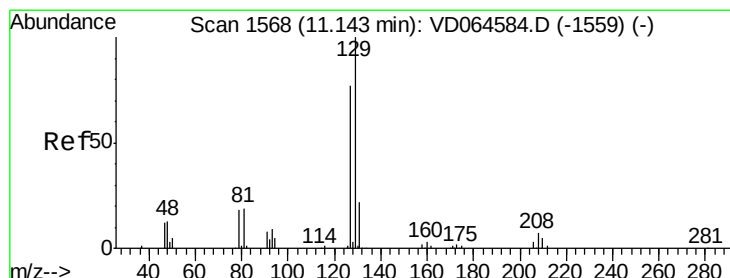
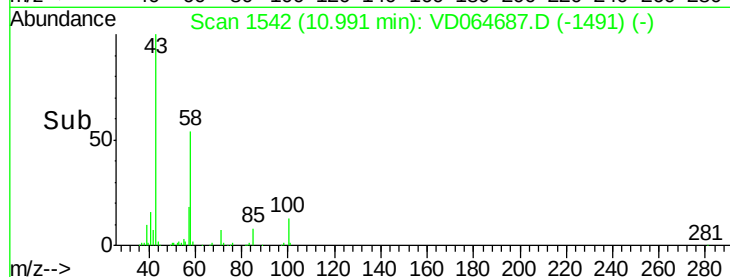
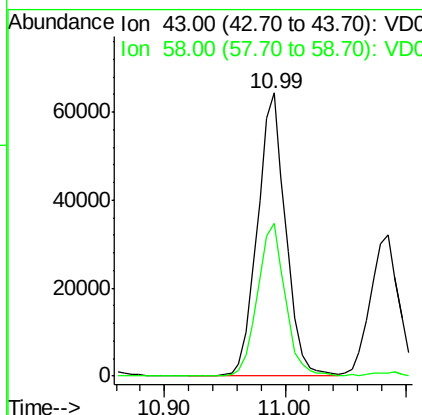
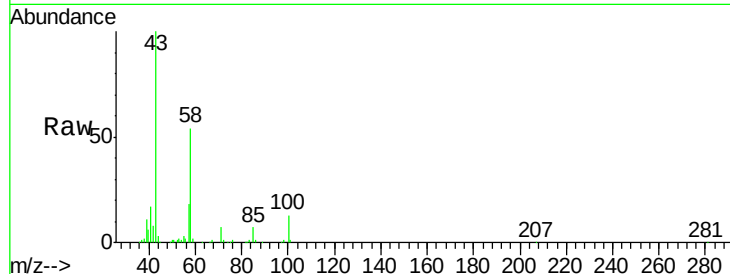




#59
2-Hexanone
Concen: 77.638 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

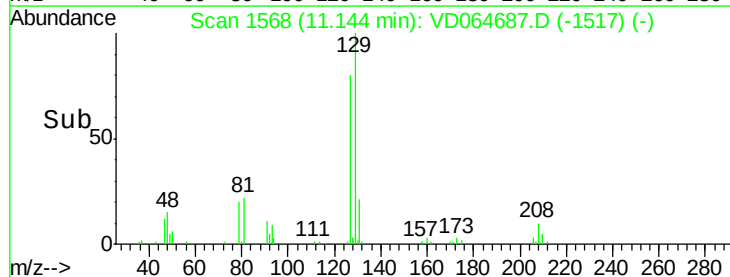
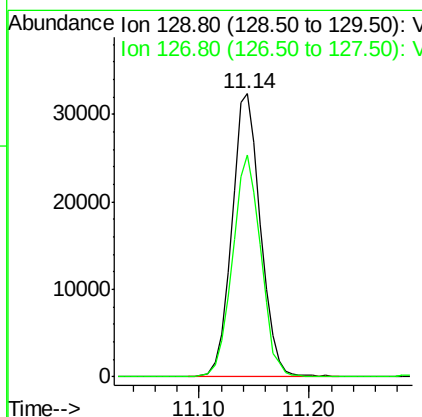
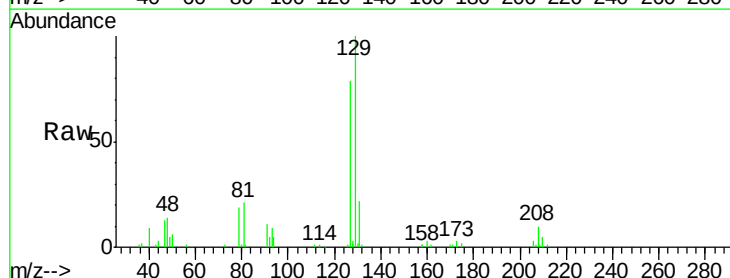
Instrument :
MSVOA_D
ClientSampleId :
VD1231SBSD01

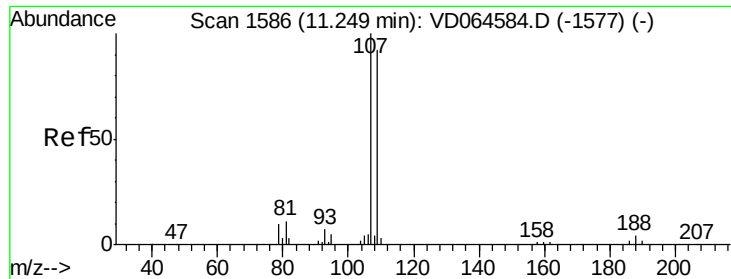
Tgt Ion: 43 Resp: 105267
Ion Ratio Lower Upper
43 100
58 52.8 26.4 79.0



#60
Dibromochloromethane
Concen: 16.788 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Tgt Ion: 129 Resp: 58765
Ion Ratio Lower Upper
129 100
127 77.7 38.4 115.2





#61

1,2-Dibromoethane

Concen: 16.391 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

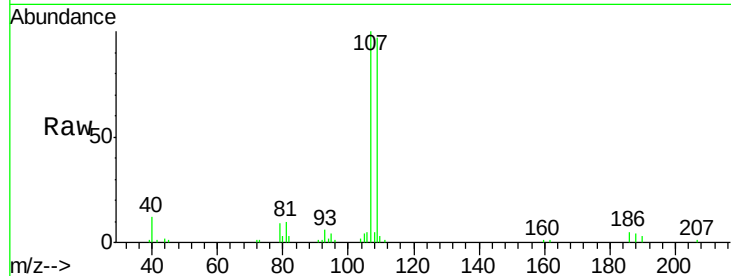
VD1231SBSD01

Tgt Ion: 107 Resp: 40924

Ion Ratio Lower Upper

107 100

109 96.0 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

25000

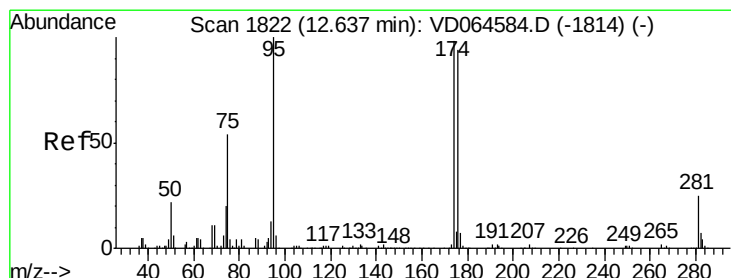
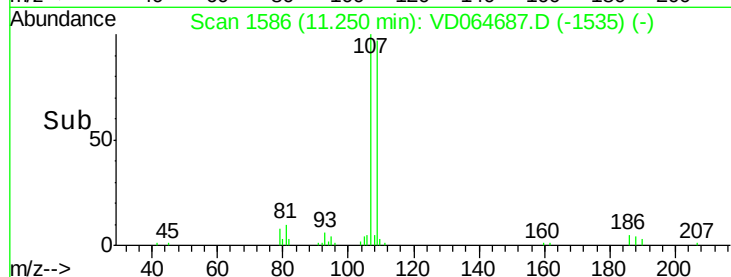
20000

15000

10000

5000

Time--> 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 54.406 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

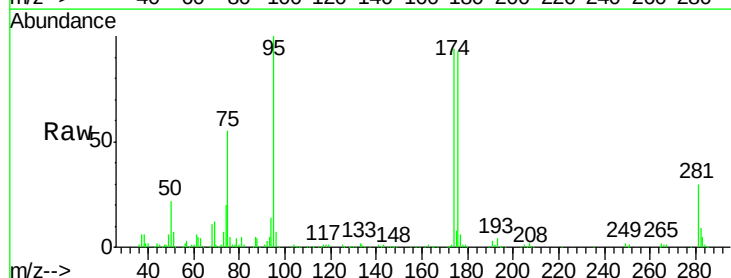
Tgt Ion: 95 Resp: 217079

Ion Ratio Lower Upper

95 100

174 94.9 0.0 193.2

176 91.1 0.0 184.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

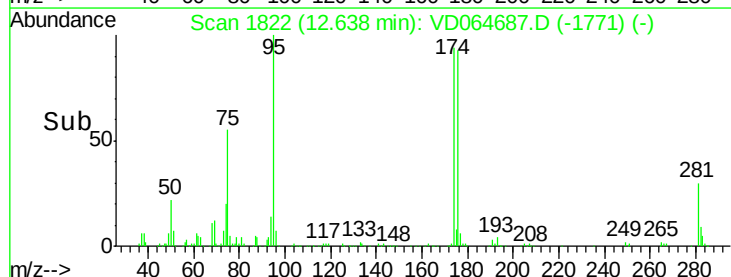
Ion 175.80 (175.50 to 176.50): V

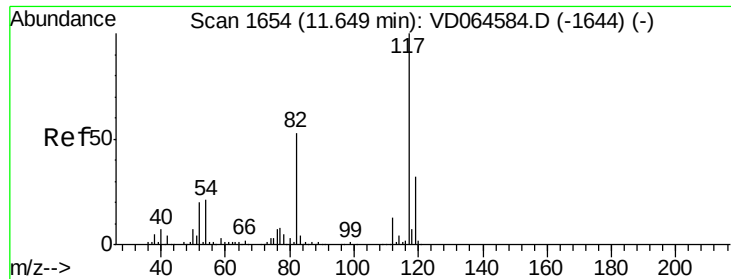
150000

100000

50000

Time--> 12.55 12.60 12.65 12.70

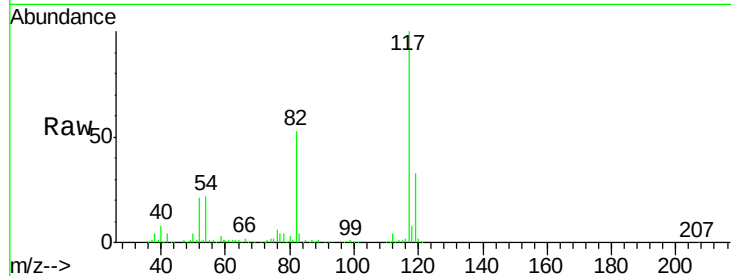




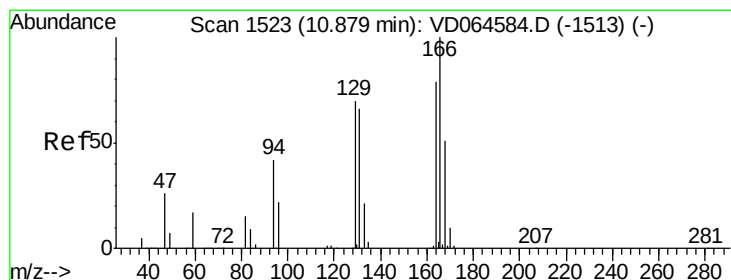
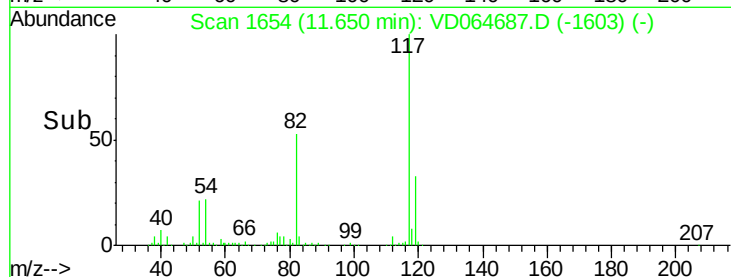
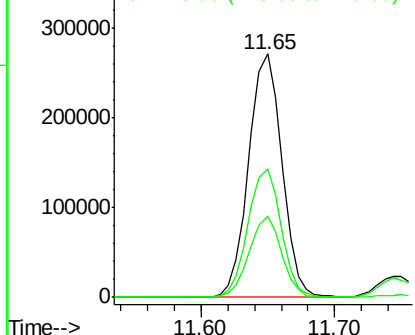
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Instrument :
MSVOA_D
ClientSampleId :
VD1231SBSD01

Tgt Ion:117 Resp: 467392
Ion Ratio Lower Upper
117 100
82 52.9 42.2 63.4
119 33.4 26.0 39.0

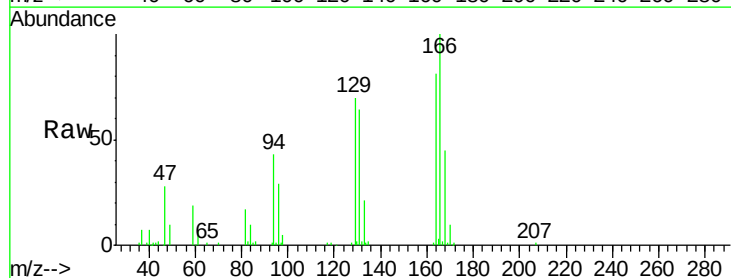


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

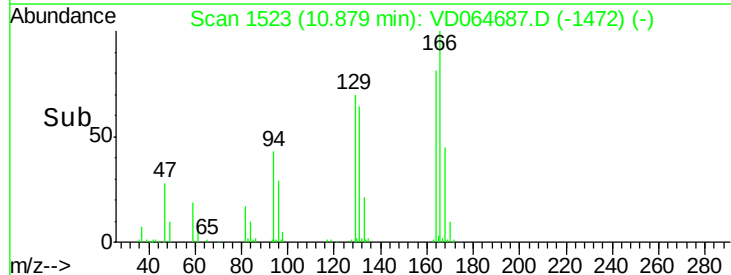
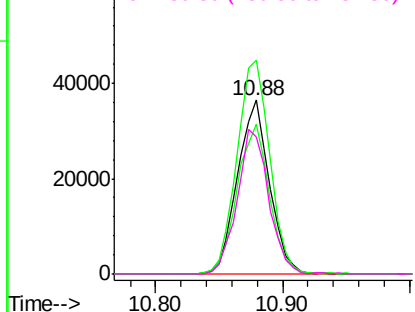


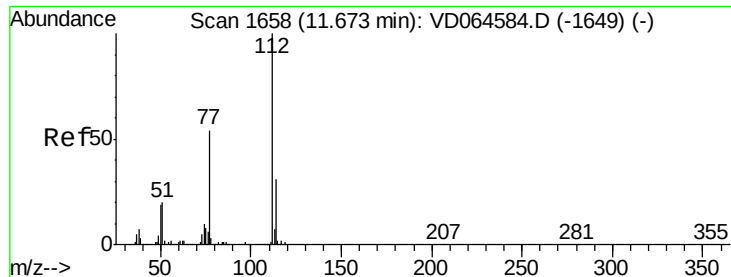
#64
Tetrachloroethene
Concen: 17.722 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Tgt Ion:164 Resp: 63547
Ion Ratio Lower Upper
164 100
166 122.8 101.3 151.9
129 86.1 70.5 105.7
131 78.6 66.6 99.8



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

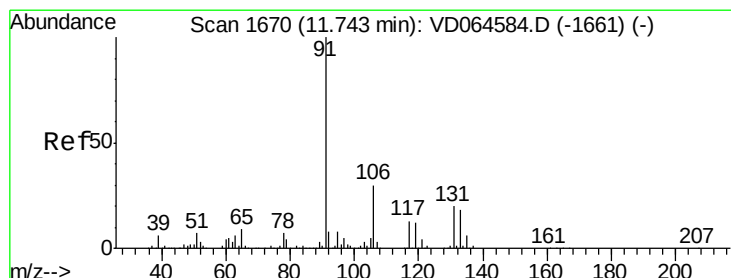
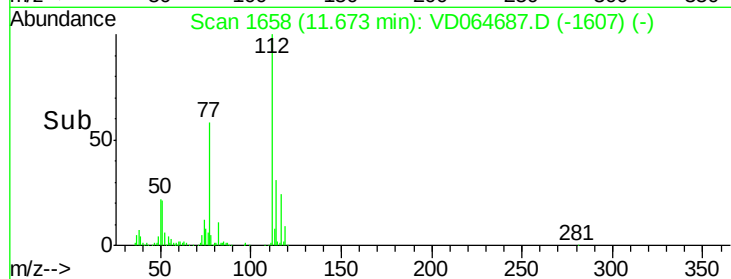
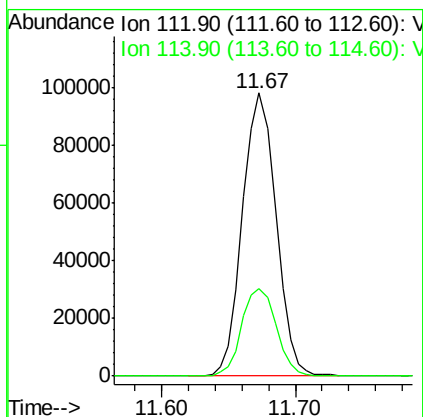
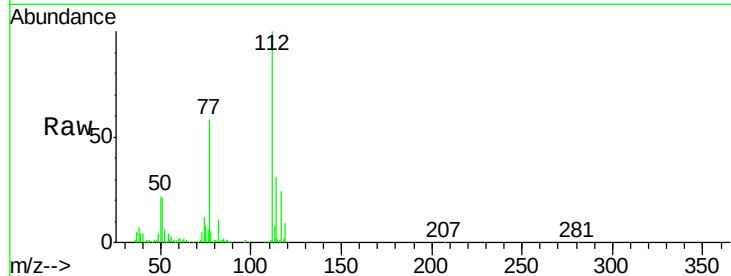




#65
Chlorobenzene
Concen: 17.622 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

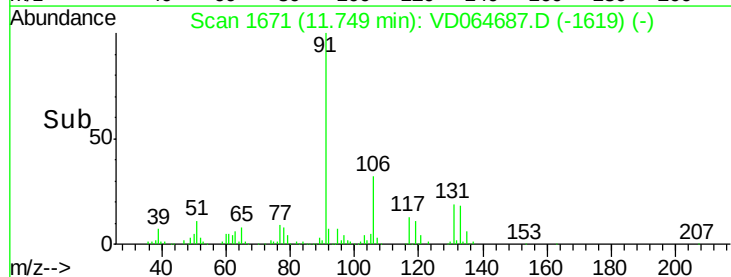
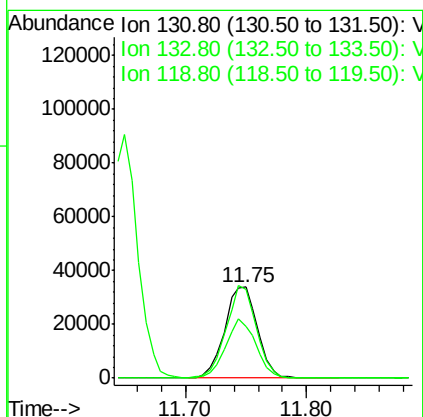
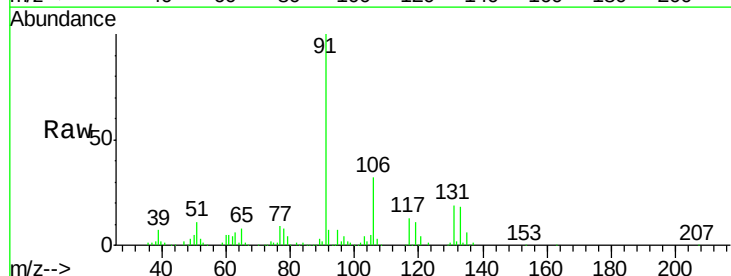
Instrument :
MSVOA_D
ClientSampleId :
VD1231SBSD01

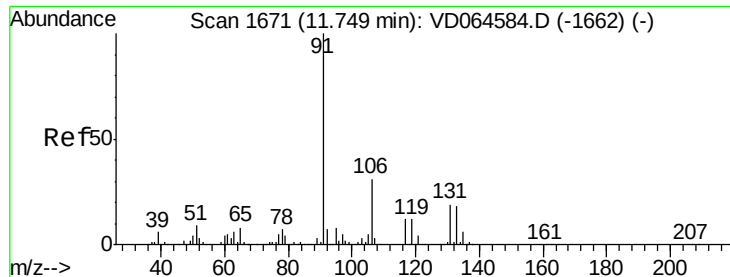
Tgt Ion:112 Resp: 170941
Ion Ratio Lower Upper
112 100
114 31.0 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 17.342 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Tgt Ion:131 Resp: 63418
Ion Ratio Lower Upper
131 100
133 93.8 48.3 144.8
119 60.3 32.1 96.3





#67

Ethyl Benzene

Concen: 17.177 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

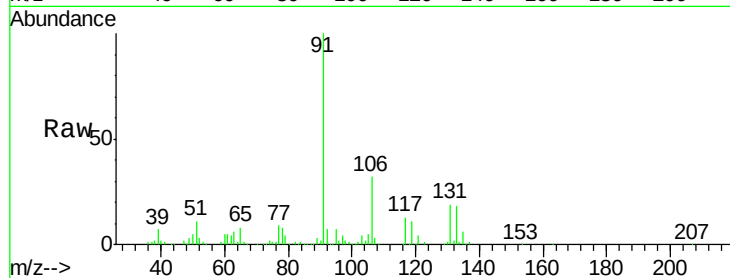
VD1231SBSD01

Tgt Ion: 91 Resp: 302432

Ion Ratio Lower Upper

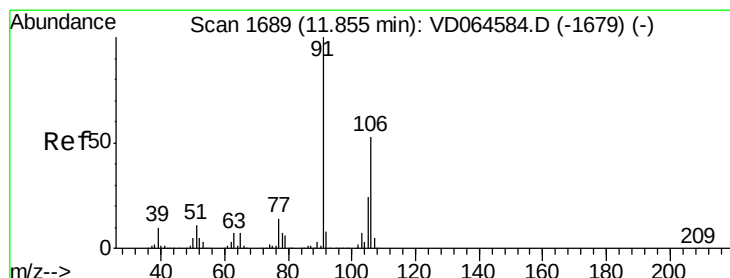
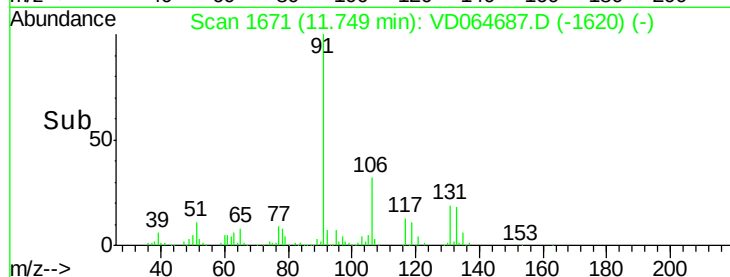
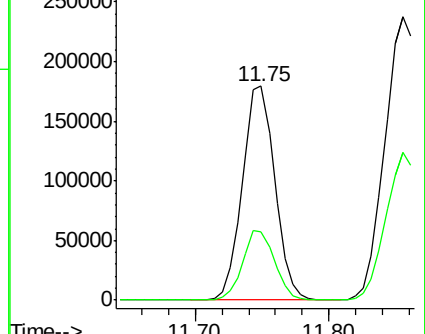
91 100

106 31.7 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 34.187 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064687.D

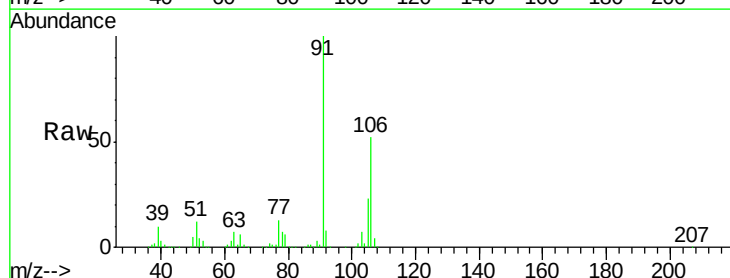
Acq: 31 Dec 2019 11:25

Tgt Ion: 106 Resp: 232336

Ion Ratio Lower Upper

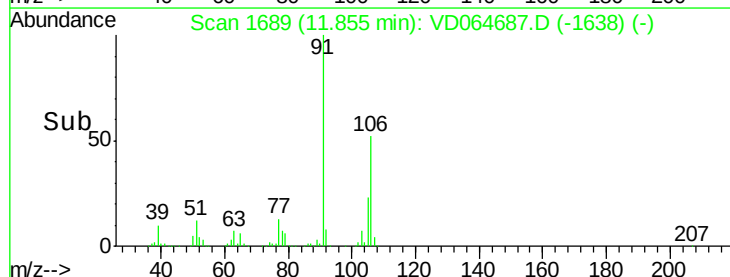
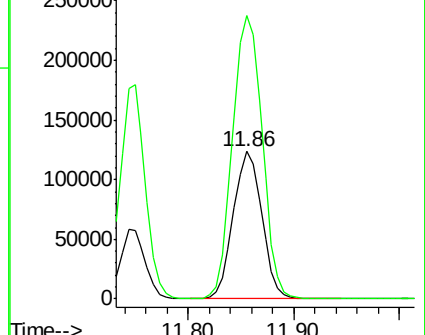
106 100

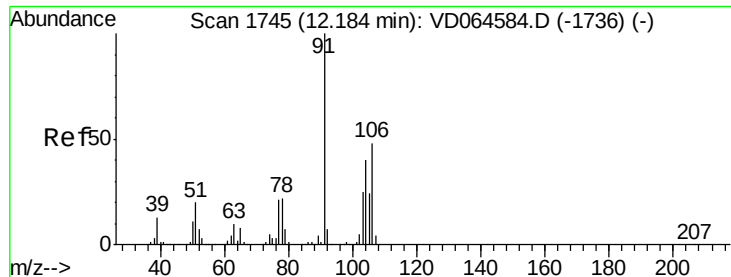
91 198.9 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

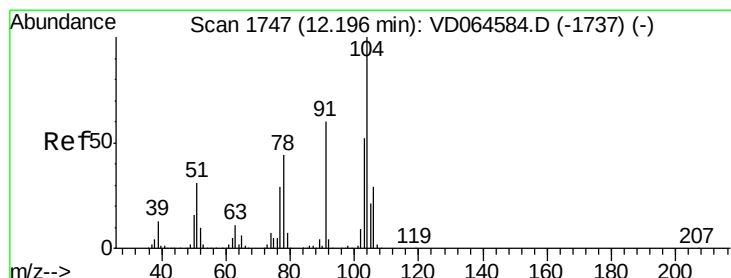
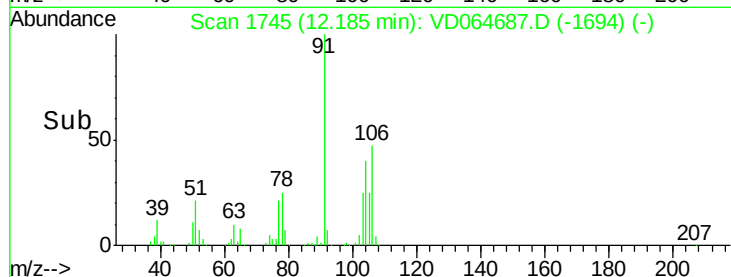
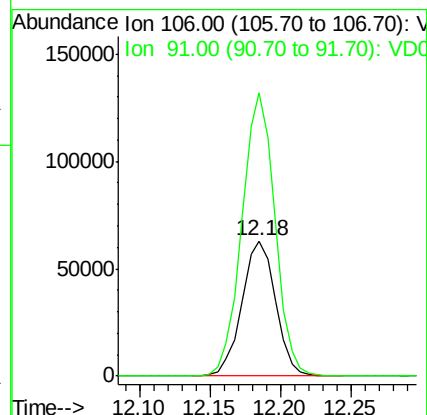
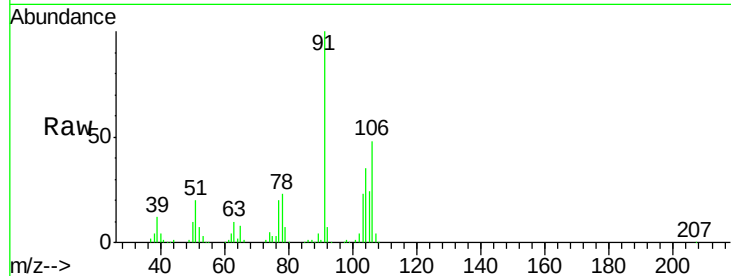




#69
o-Xylene
Concen: 17.110 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

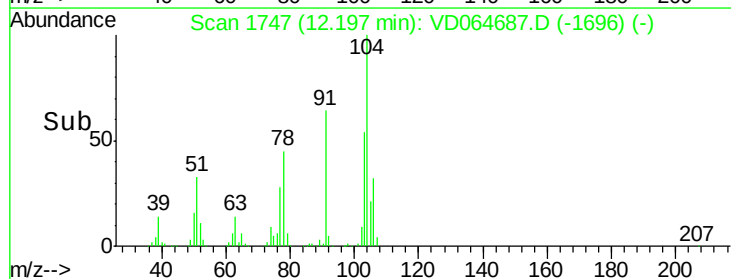
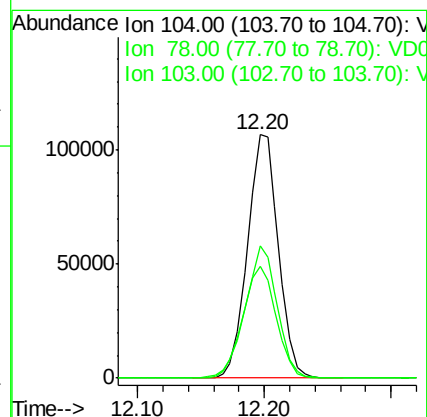
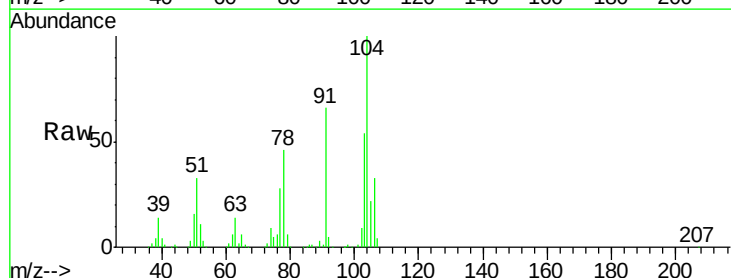
Instrument :
MSVOA_D
ClientSampleId :
VD1231SBSD01

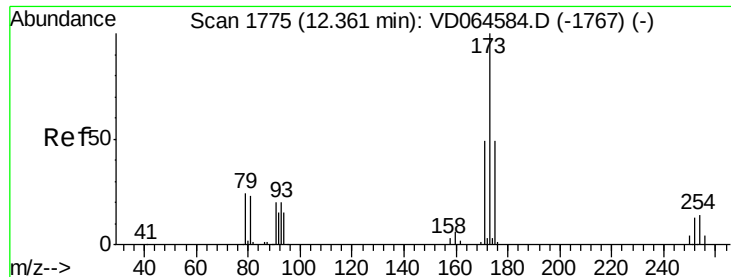
Tgt Ion:106 Resp: 105027
Ion Ratio Lower Upper
106 100
91 205.8 104.8 314.4



#70
Styrene
Concen: 16.735 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Tgt Ion:104 Resp: 180313
Ion Ratio Lower Upper
104 100
78 49.4 38.2 57.2
103 56.3 44.6 67.0





#71

Bromoform

Concen: 16.824 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBSD01

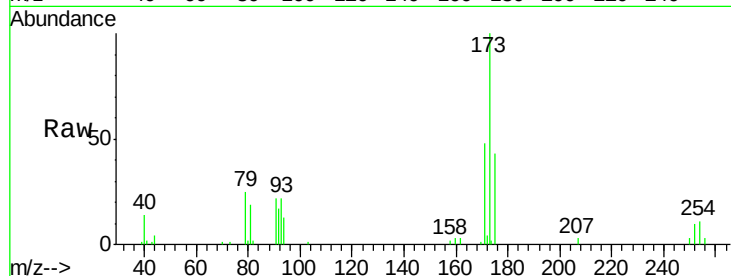
Tgt Ion:173 Resp: 35087

Ion Ratio Lower Upper

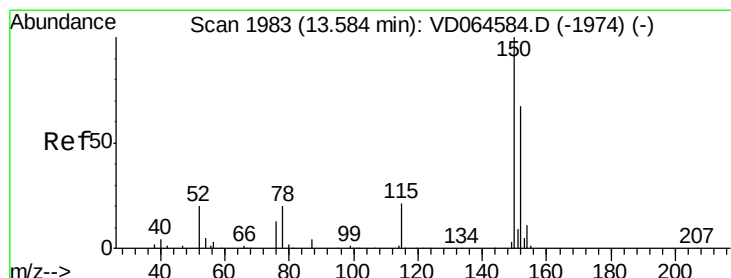
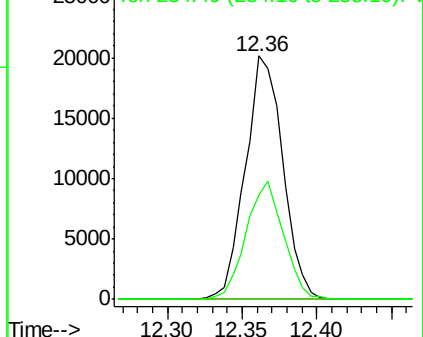
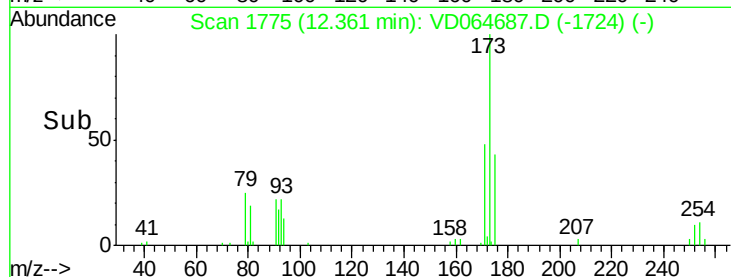
173 100

175 48.1 24.6 73.8

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

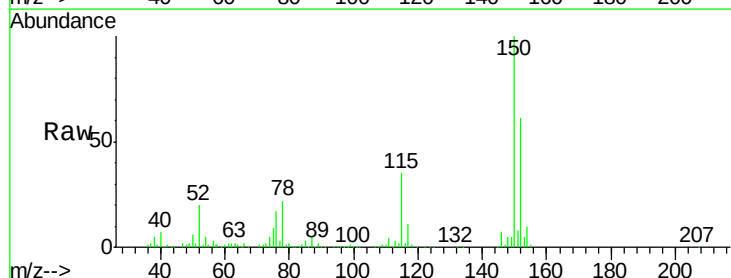
Tgt Ion:152 Resp: 228164

Ion Ratio Lower Upper

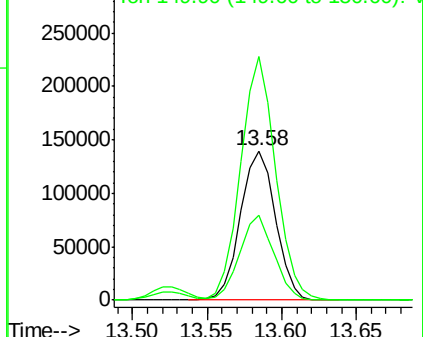
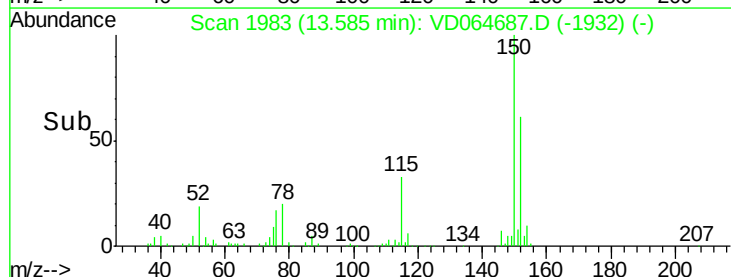
152 100

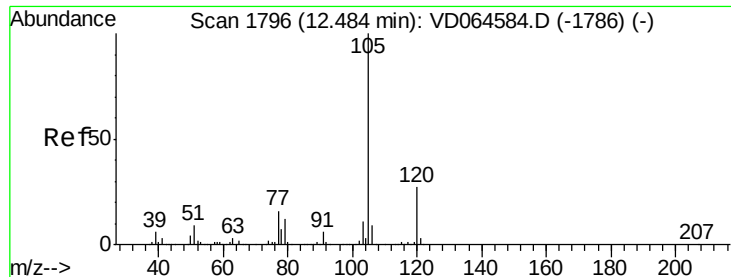
115 55.5 27.8 83.4

150 162.5 0.0 351.4



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





#73

Isopropylbenzene

Concen: 17.861 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

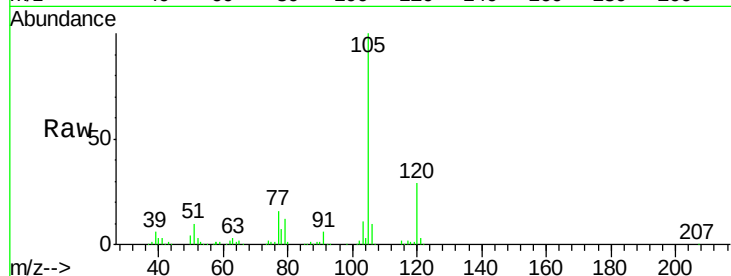
VD1231SBS01

Tgt Ion: 105 Resp: 291228

Ion Ratio Lower Upper

105 100

120 26.9 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

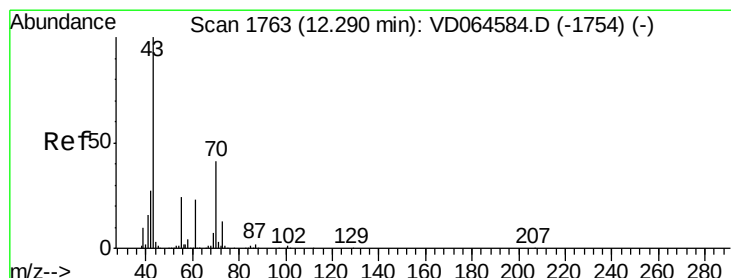
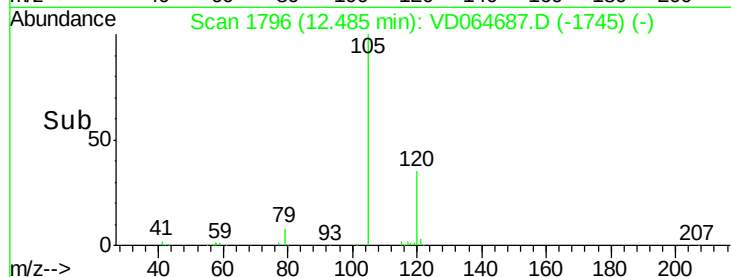
150000

100000

50000

0

Time--> 12.40 12.45 12.50 12.55



#74

N-ethyl acetate

Concen: 16.330 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Tgt Ion: 43 Resp: 56918

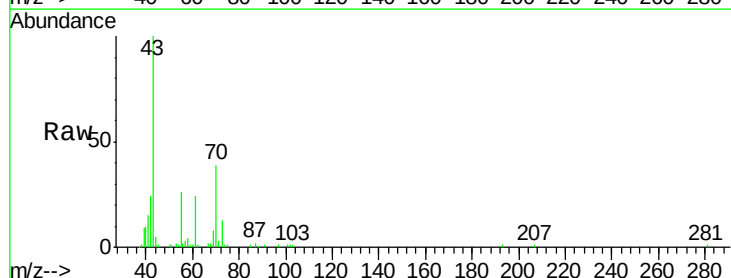
Ion Ratio Lower Upper

43 100

70 41.3 33.4 50.0

55 27.6 19.4 29.0

61 23.8 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

50000

40000

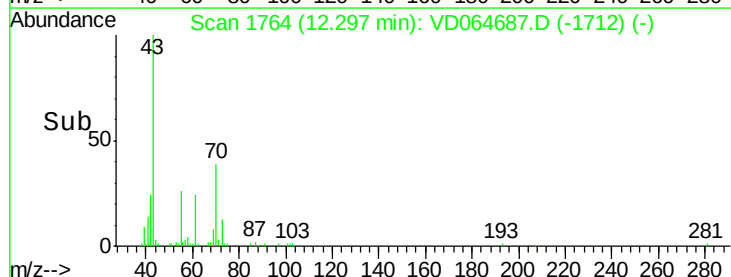
30000

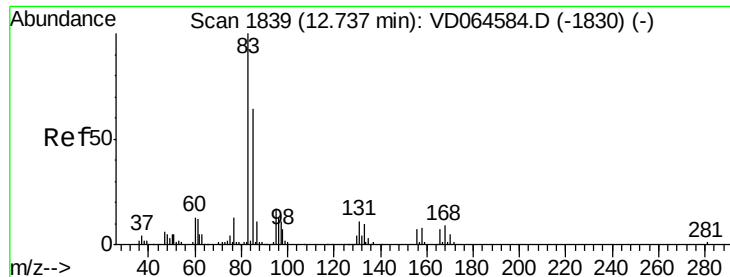
20000

10000

0

Time--> 12.20 12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 17.052 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBSD01

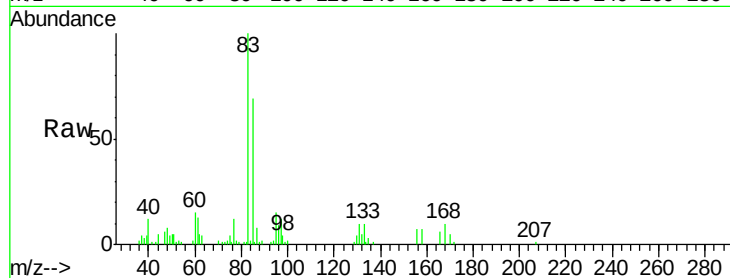
Tgt Ion: 83 Resp: 43676

Ion Ratio Lower Upper

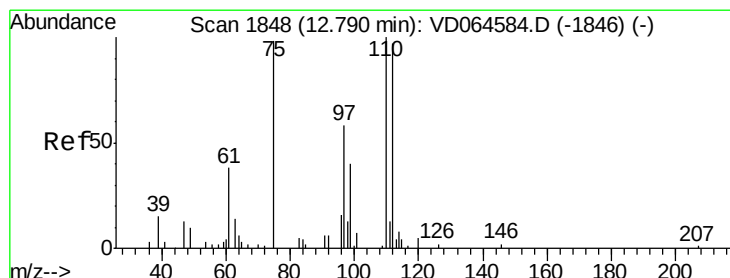
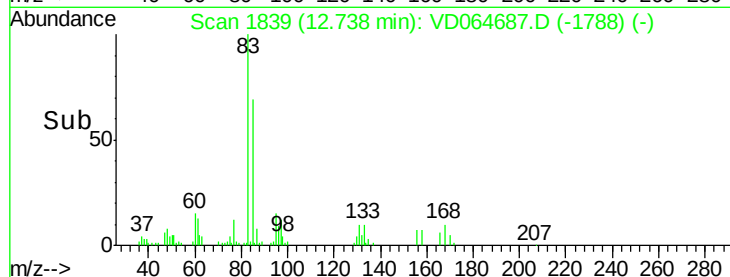
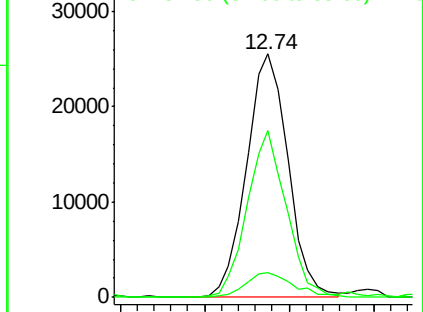
83 100

131 11.8 5.8 17.4

85 64.6 32.3 96.9



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



#76

1,2,3-Trichloropropane

Concen: 31.425 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064687.D

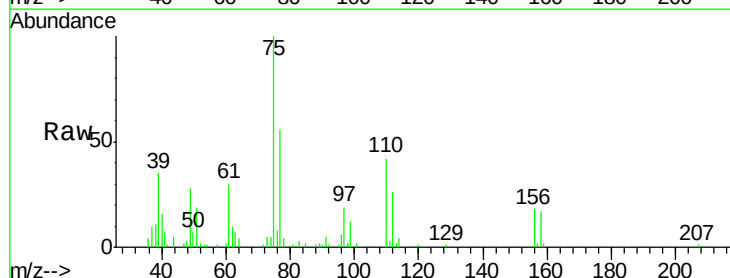
Acq: 31 Dec 2019 11:25

Tgt Ion: 75 Resp: 56619

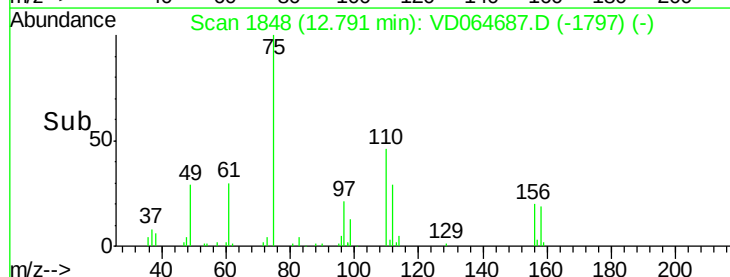
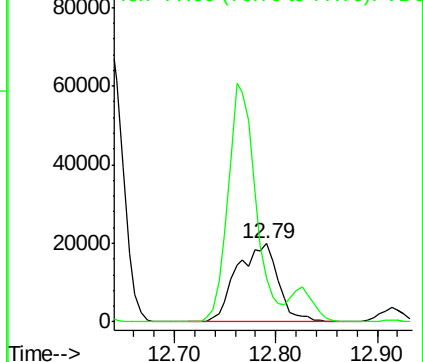
Ion Ratio Lower Upper

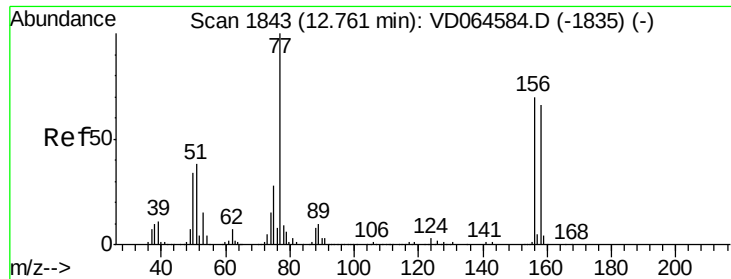
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 17.560 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBSD01

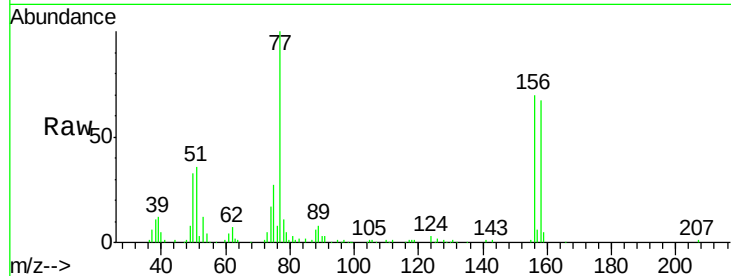
Tgt Ion:156 Resp: 70351

Ion Ratio Lower Upper

156 100

77 163.3 80.9 242.7

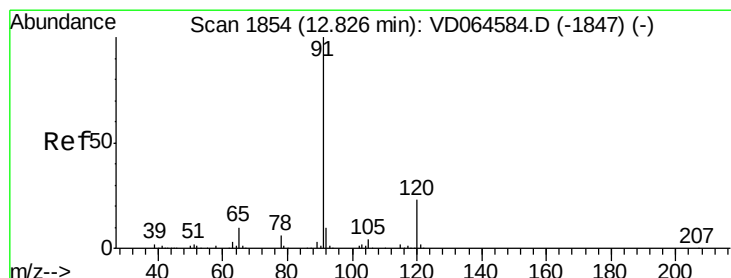
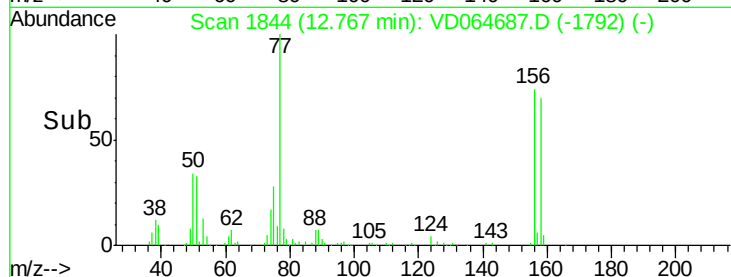
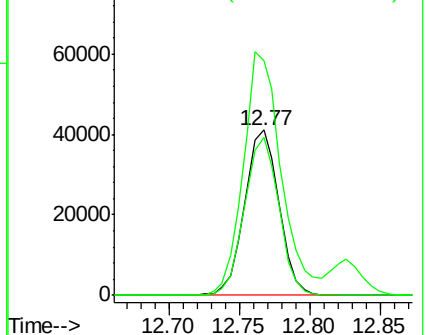
158 95.2 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.839 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064687.D

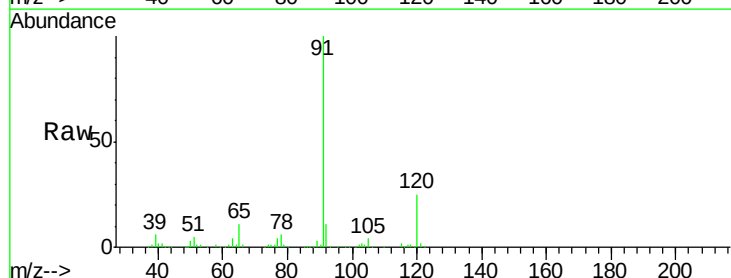
Acq: 31 Dec 2019 11:25

Tgt Ion: 91 Resp: 339328

Ion Ratio Lower Upper

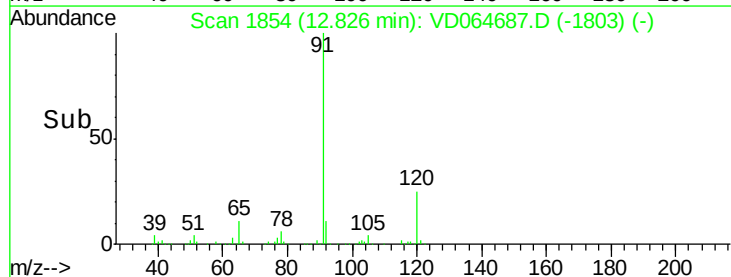
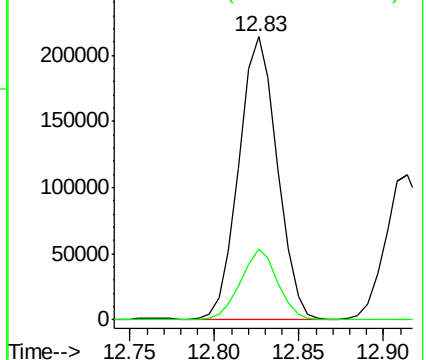
91 100

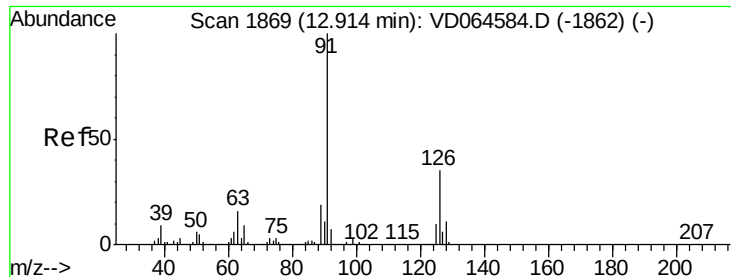
120 24.1 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.774 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

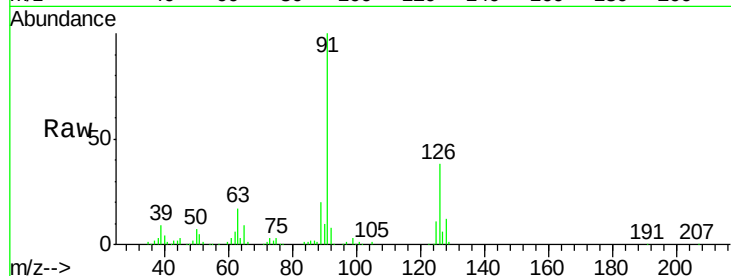
VD1231SBSD01

Tgt Ion: 91 Resp: 185732

Ion Ratio Lower Upper

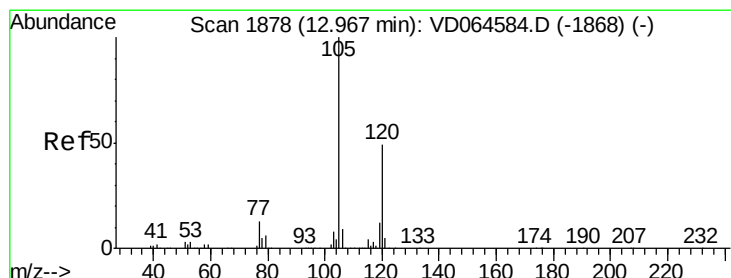
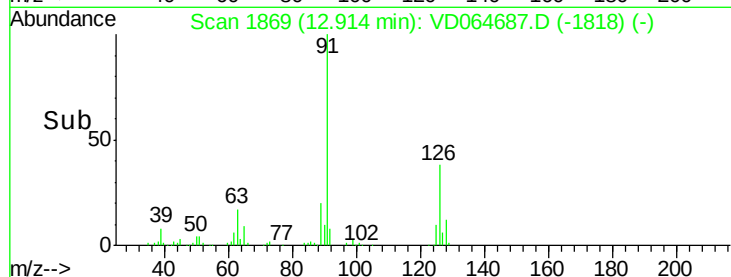
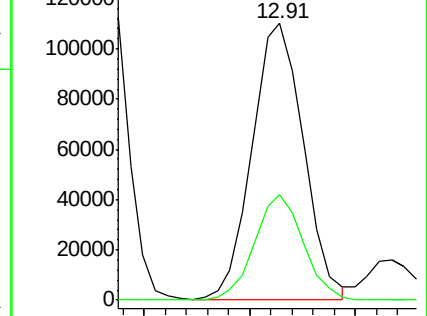
91 100

126 36.3 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VD

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 17.785 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064687.D

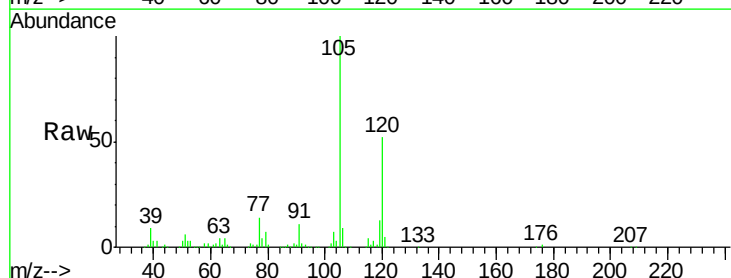
Acq: 31 Dec 2019 11:25

Tgt Ion: 105 Resp: 238215

Ion Ratio Lower Upper

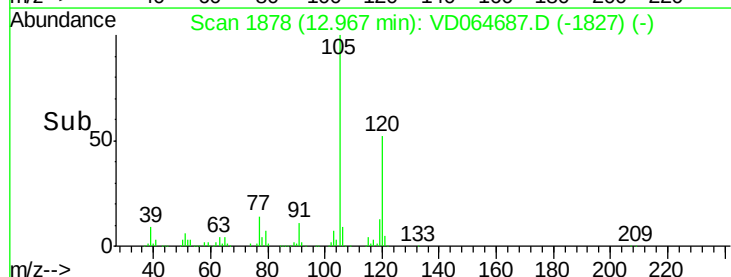
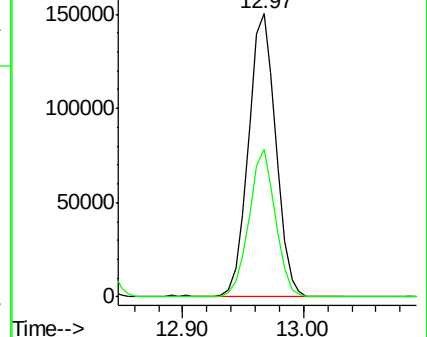
105 100

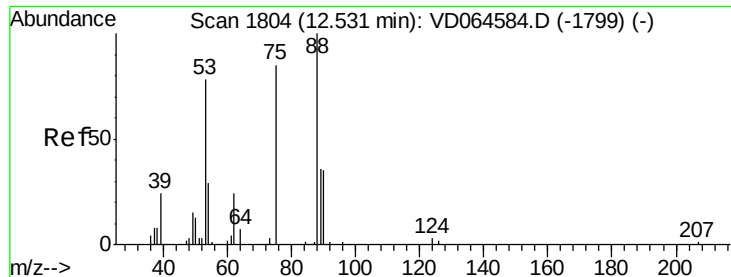
120 50.1 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.081 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBSD01

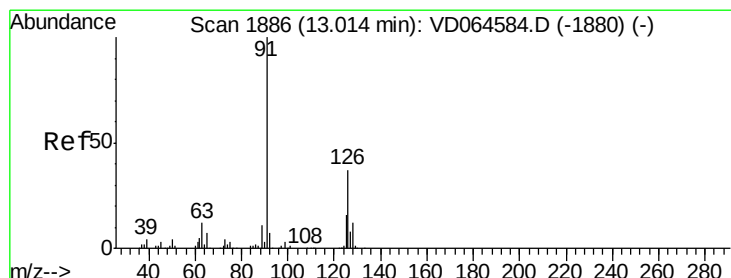
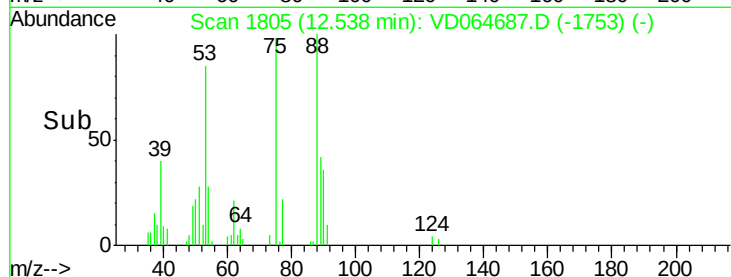
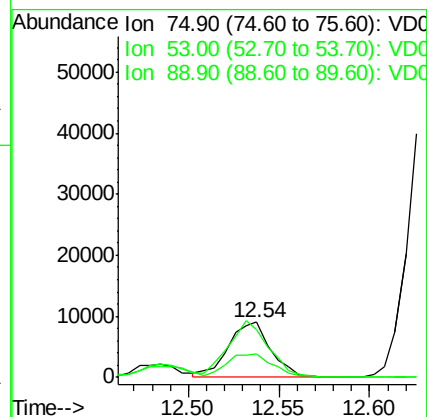
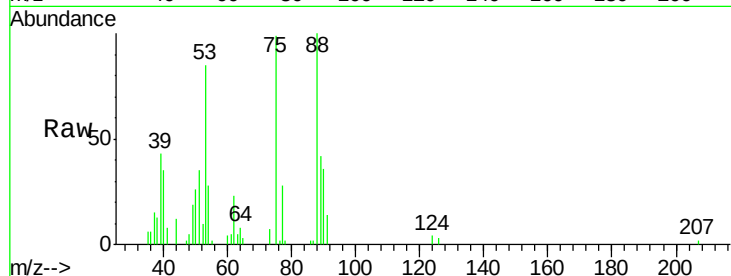
Tgt Ion: 75 Resp: 14715

Ion Ratio Lower Upper

75 100

53 98.1 78.8 118.2

89 46.3 38.3 57.5



#82

4-Chlorotoluene

Concen: 17.752 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD064687.D

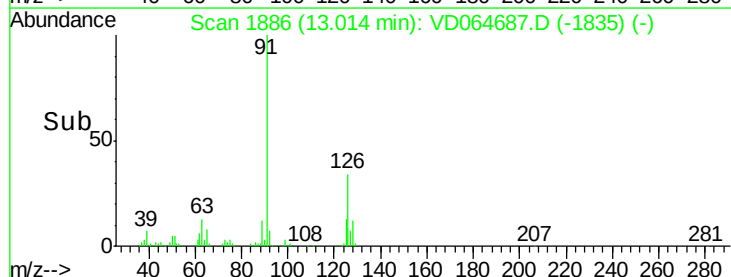
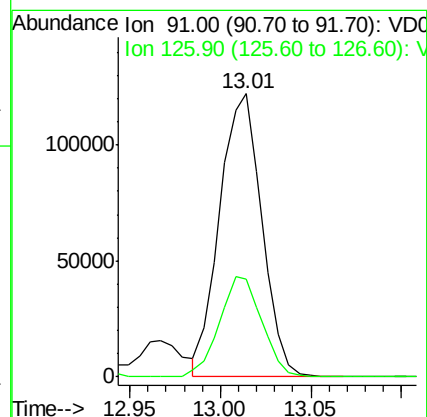
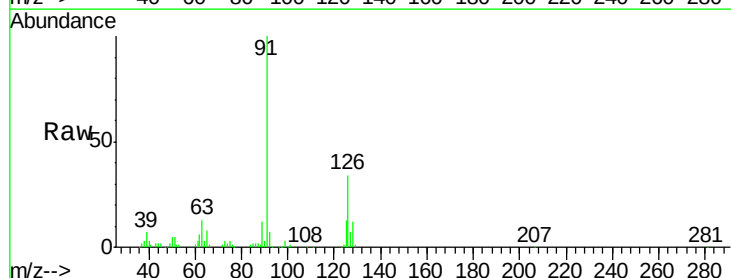
Acq: 31 Dec 2019 11:25

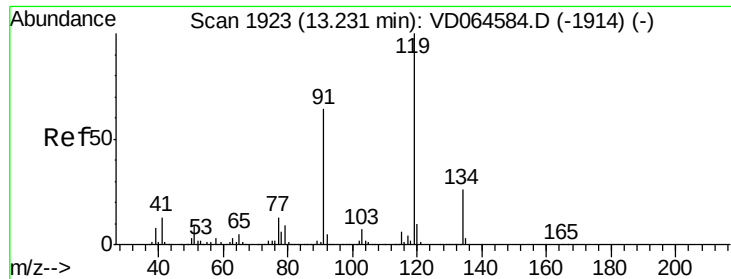
Tgt Ion: 91 Resp: 197408

Ion Ratio Lower Upper

91 100

126 35.5 17.8 53.5

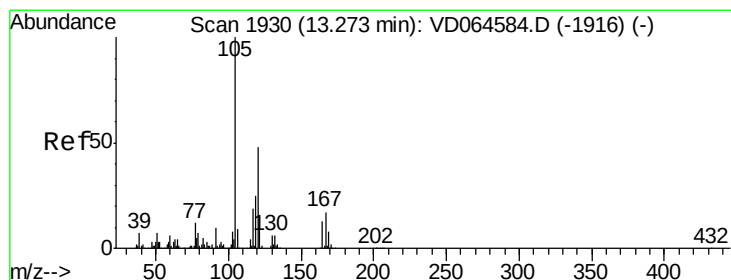
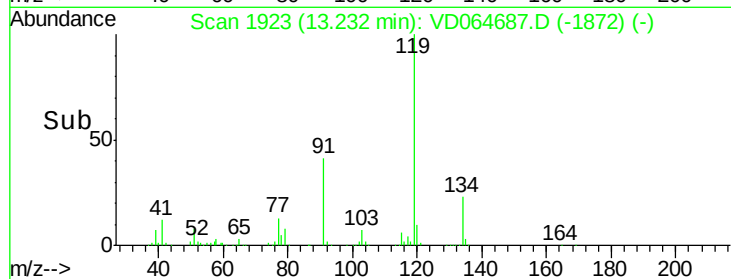
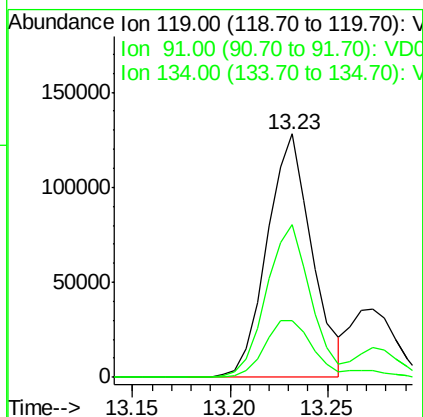
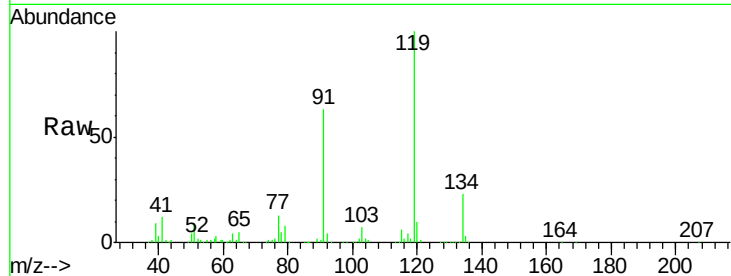




#83
 tert-Butylbenzene
 Concen: 17.548 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064687.D
 Acq: 31 Dec 2019 11:25

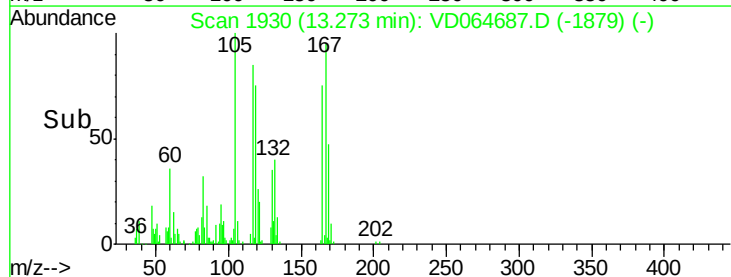
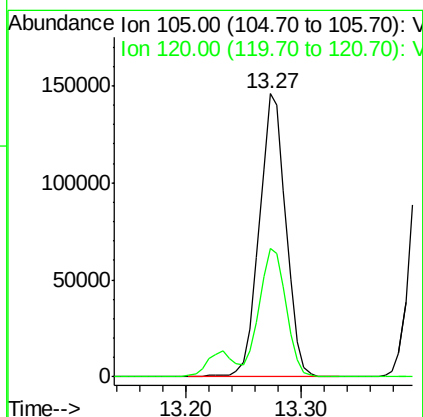
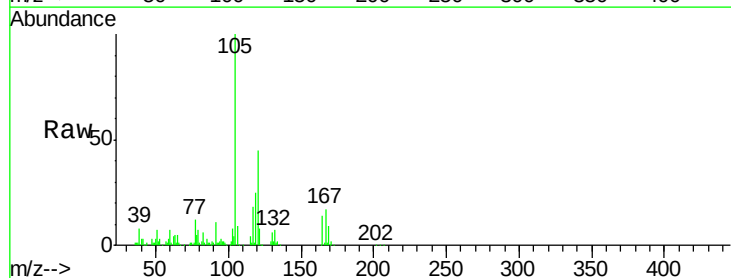
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1231SBSD01

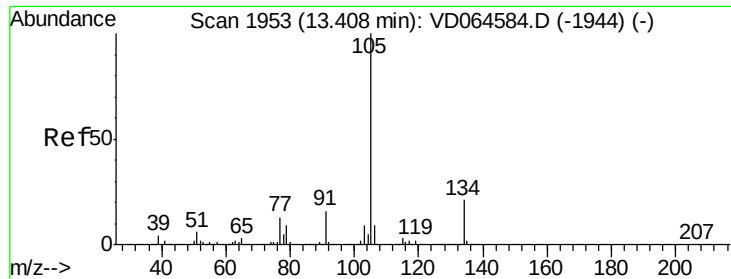
Tgt Ion:119 Resp: 204069
 Ion Ratio Lower Upper
 119 100
 91 61.5 30.8 92.4
 134 27.0 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 17.607 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064687.D
 Acq: 31 Dec 2019 11:25

Tgt Ion:105 Resp: 234869
 Ion Ratio Lower Upper
 105 100
 120 45.7 23.8 71.2





#85

sec-Butylbenzene

Concen: 17.840 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

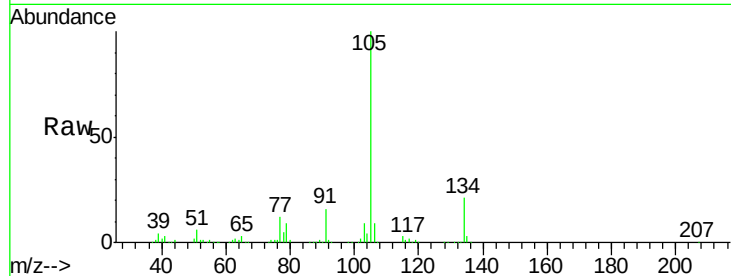
VD1231SBS01

Tgt Ion:105 Resp: 284419

Ion Ratio Lower Upper

105 100

134 21.3 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

200000

150000

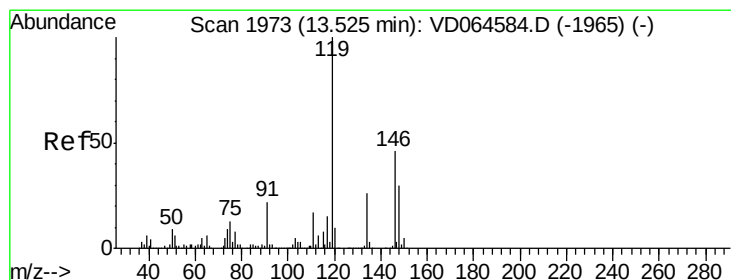
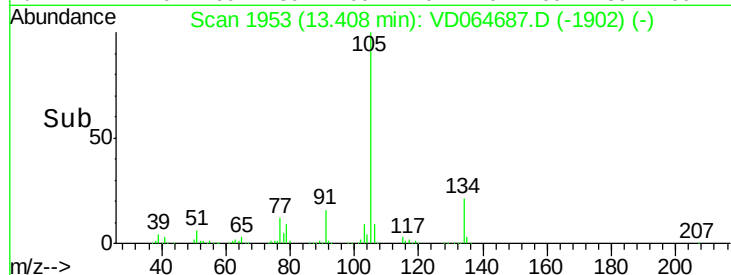
100000

50000

0

13.40 13.50

Time-->



#86

p-Isopropyltoluene

Concen: 17.330 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

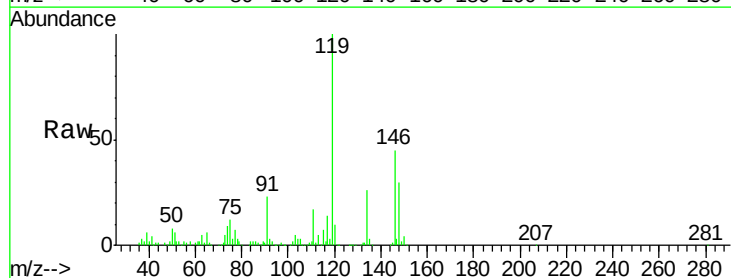
Tgt Ion:119 Resp: 264186

Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.1

91 23.4 11.2 33.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.53

200000

150000

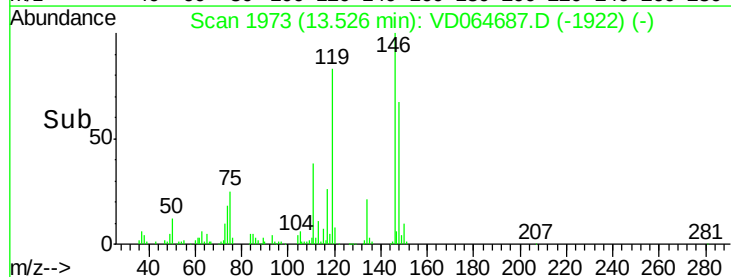
100000

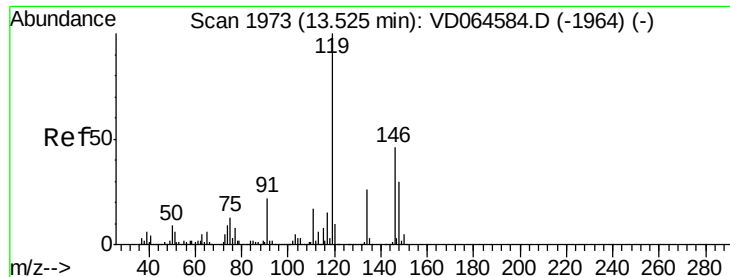
50000

0

13.45 13.55 13.60

Time-->





#87

1,3-Dichlorobenzene

Concen: 17.298 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBSD01

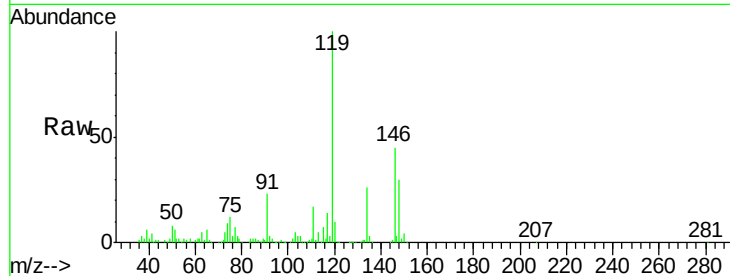
Tgt Ion:146 Resp: 132113

Ion Ratio Lower Upper

146 100

111 38.2 18.8 56.4

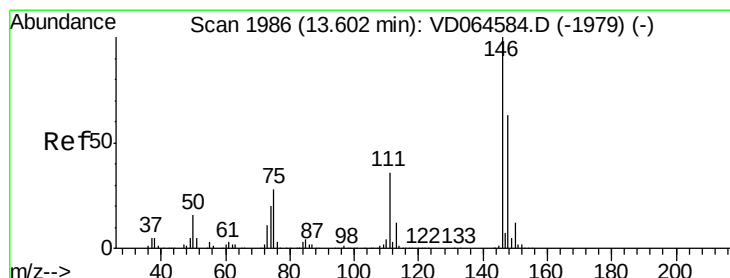
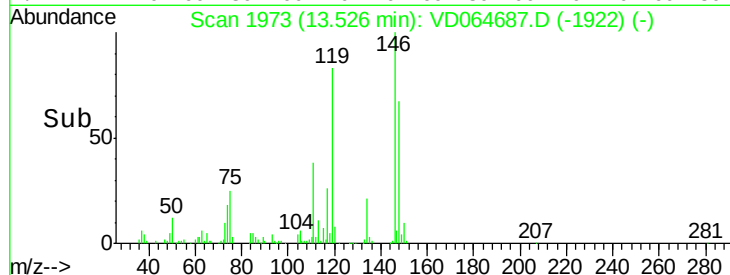
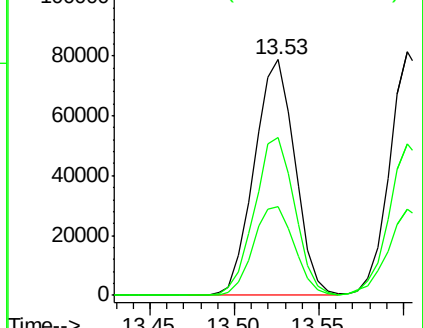
148 66.5 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 17.532 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD064687.D

Acq: 31 Dec 2019 11:25

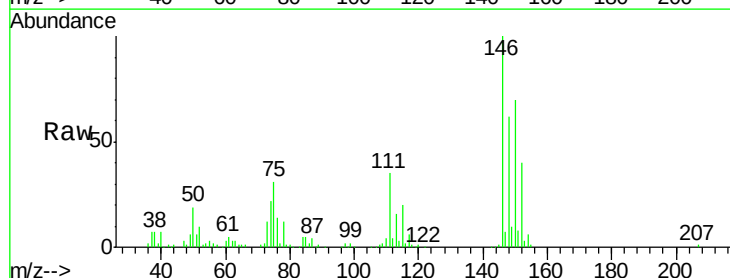
Tgt Ion:146 Resp: 131539

Ion Ratio Lower Upper

146 100

111 37.2 18.1 54.1

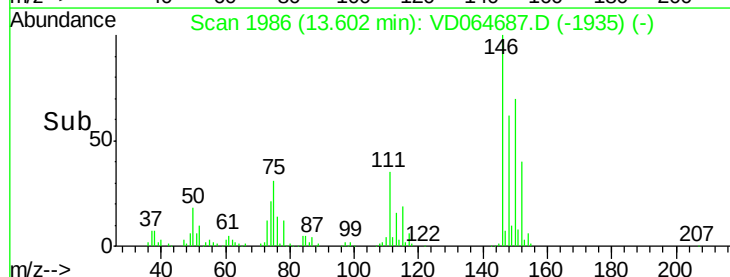
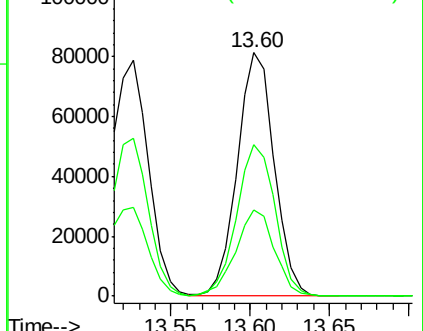
148 64.4 32.3 96.9

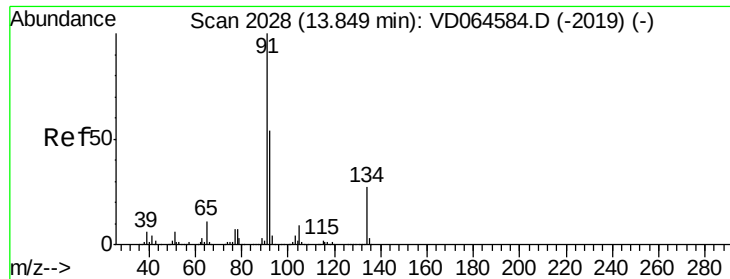


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

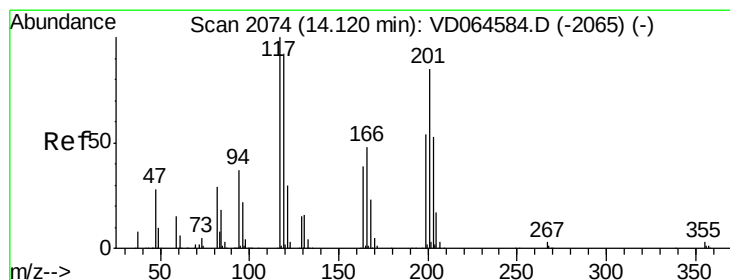
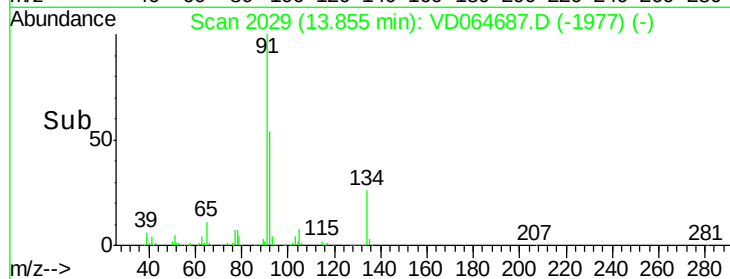
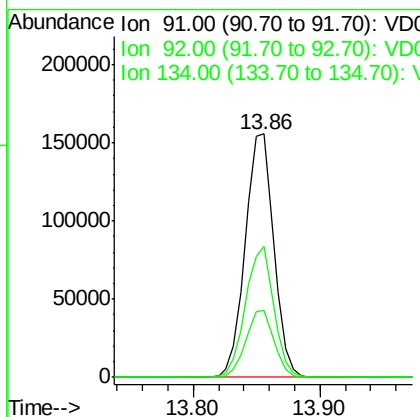
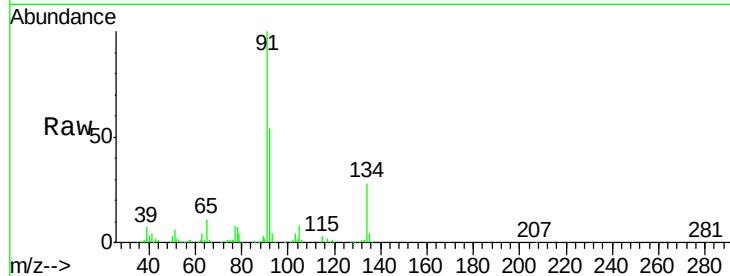




#89
n-Butylbenzene
Concen: 17.871 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

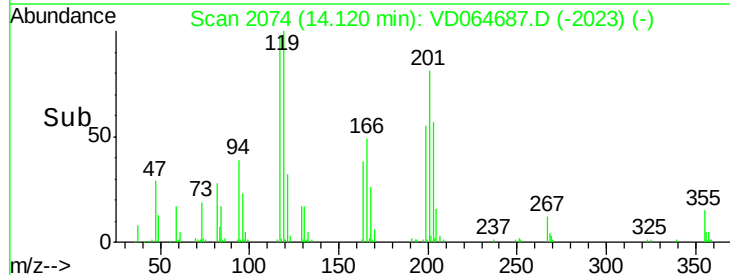
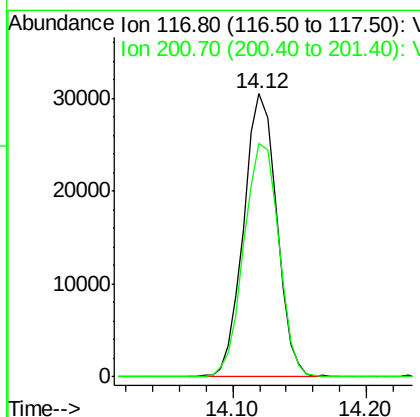
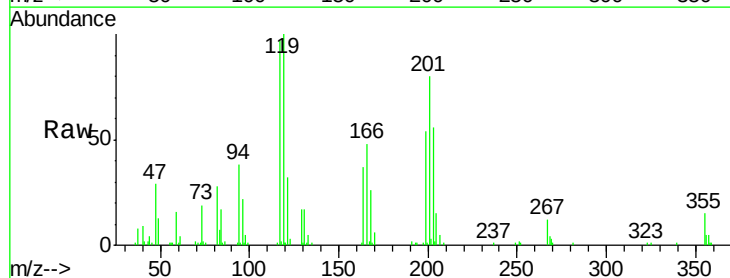
Instrument :
MSVOA_D
ClientSampleId :
VD1231SBS01

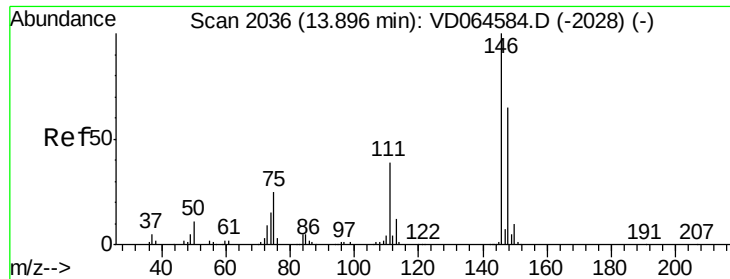
Tgt Ion: 91 Resp: 245339
Ion Ratio Lower Upper
91 100
92 53.0 26.8 80.4
134 27.0 14.0 41.9



#90
Hexachloroethane
Concen: 17.917 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Tgt Ion: 117 Resp: 52176
Ion Ratio Lower Upper
117 100
201 87.0 44.0 131.8

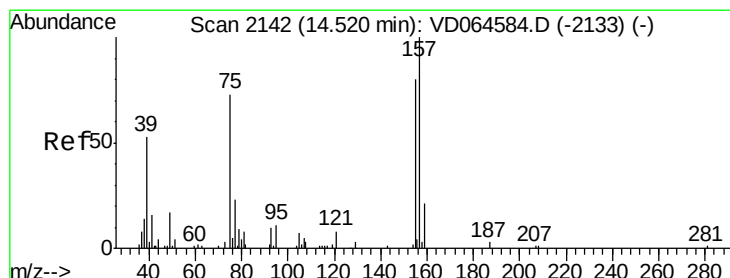
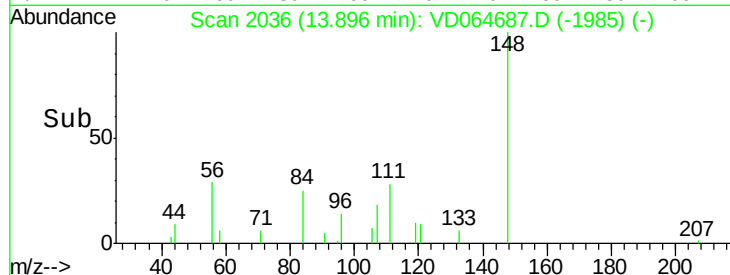
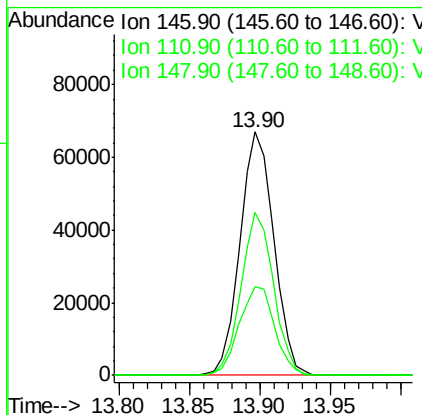
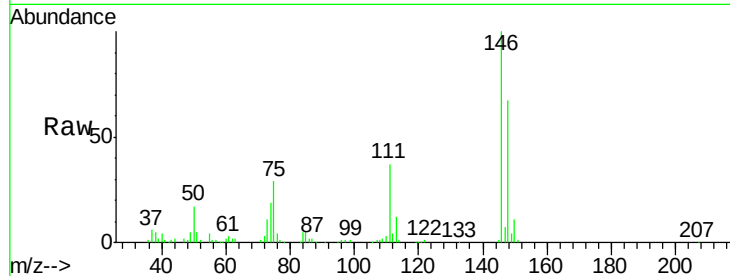




#91
 1,2-Dichlorobenzene
 Concen: 17.278 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064687.D
 Acq: 31 Dec 2019 11:25

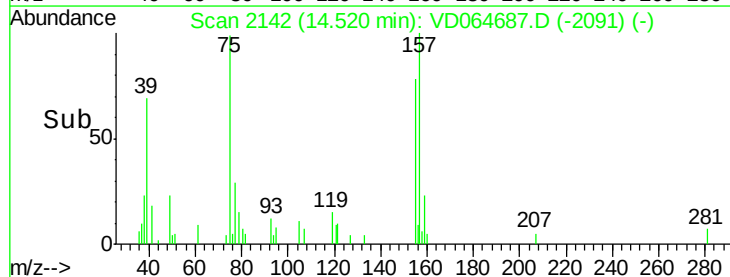
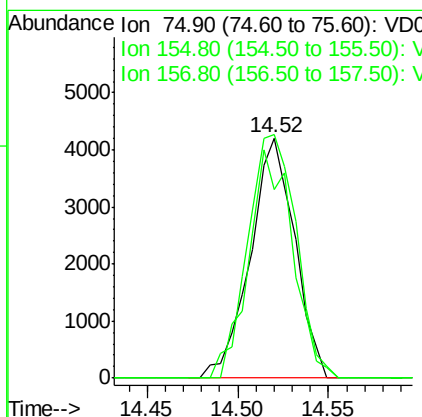
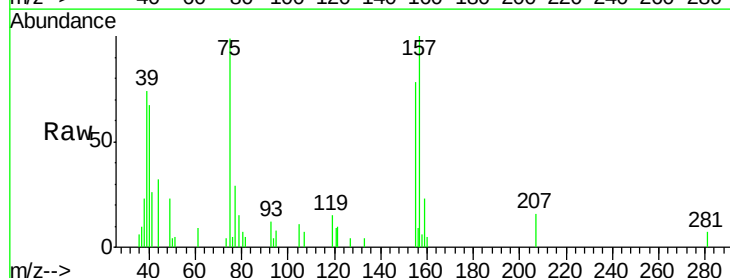
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1231SBS01

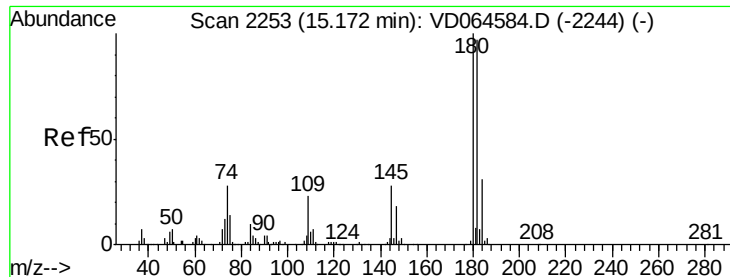
Tgt Ion: 146 Resp: 112527
 Ion Ratio Lower Upper
 146 100
 111 38.2 19.3 57.9
 148 64.4 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.297 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064687.D
 Acq: 31 Dec 2019 11:25

Tgt Ion: 75 Resp: 7182
 Ion Ratio Lower Upper
 75 100
 155 93.0 48.0 144.0
 157 110.4 64.1 192.3

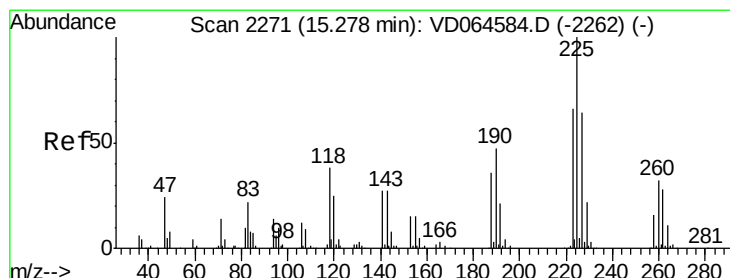
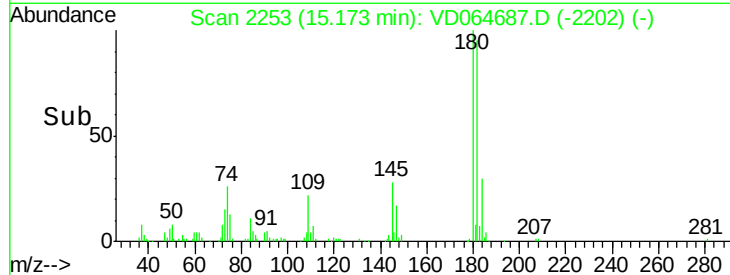
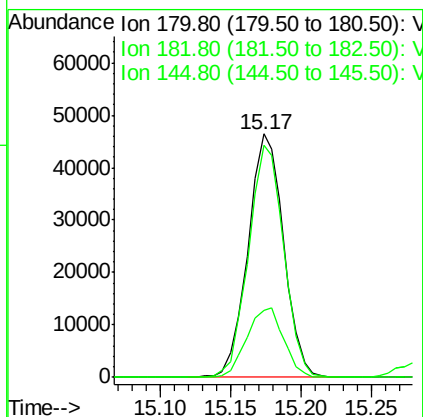
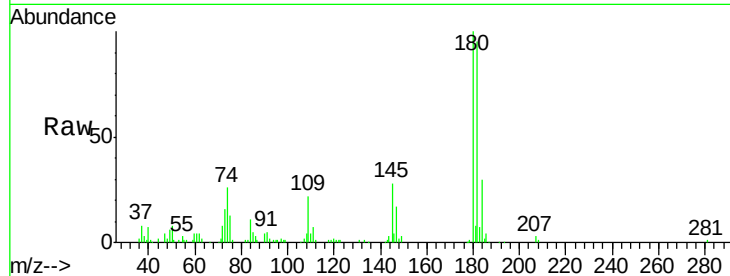




#93
 1,2,4-Trichlorobenzene
 Concen: 17.122 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064687.D
 Acq: 31 Dec 2019 11:25

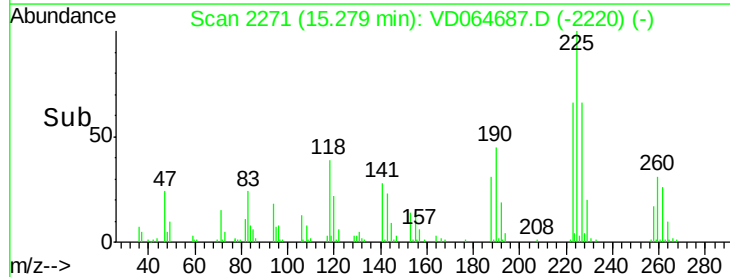
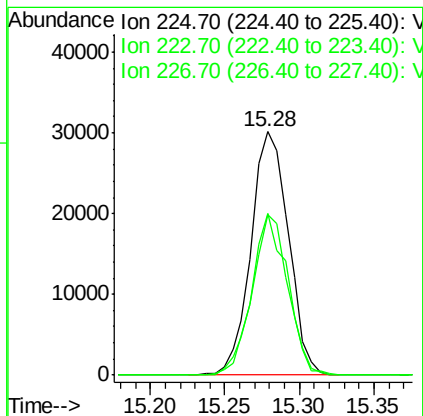
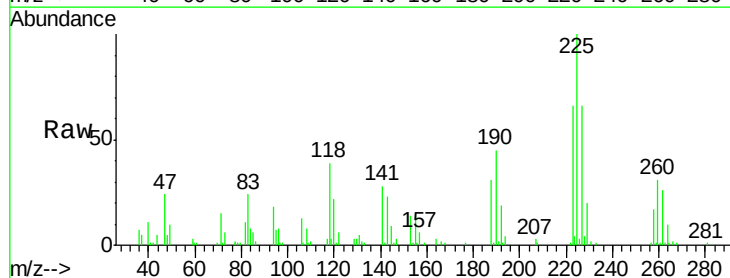
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1231SBSD01

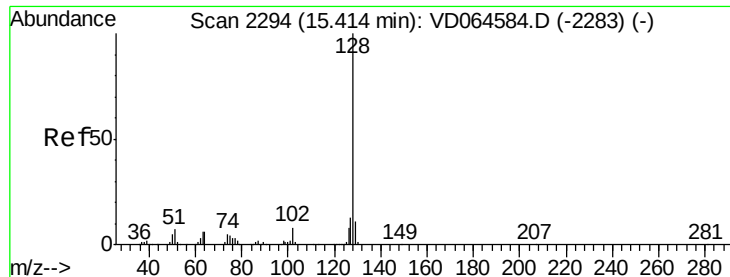
Tgt Ion:180 Resp: 82107
 Ion Ratio Lower Upper
 180 100
 182 94.6 48.0 144.2
 145 29.4 13.8 41.4



#94
 Hexachlorobutadiene
 Concen: 17.303 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064687.D
 Acq: 31 Dec 2019 11:25

Tgt Ion:225 Resp: 52211
 Ion Ratio Lower Upper
 225 100
 223 63.4 31.1 93.2
 227 63.2 30.9 92.7

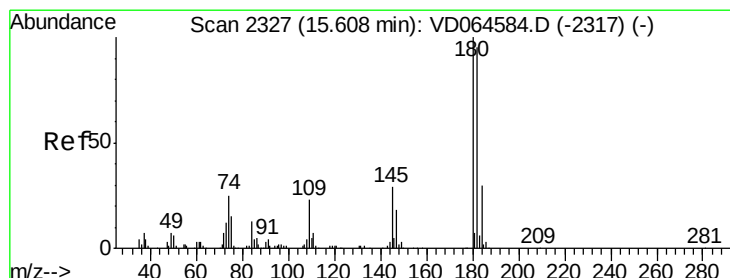
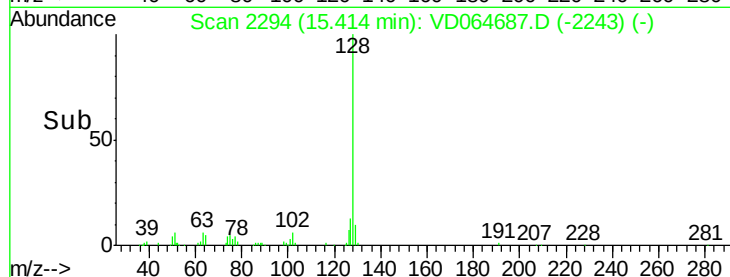
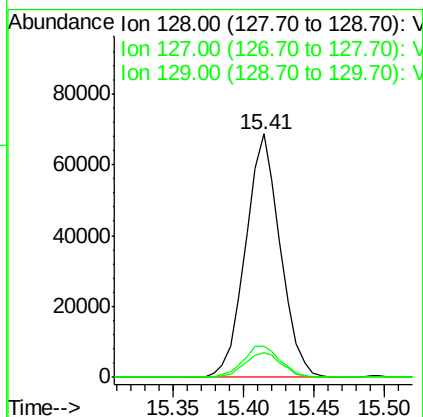
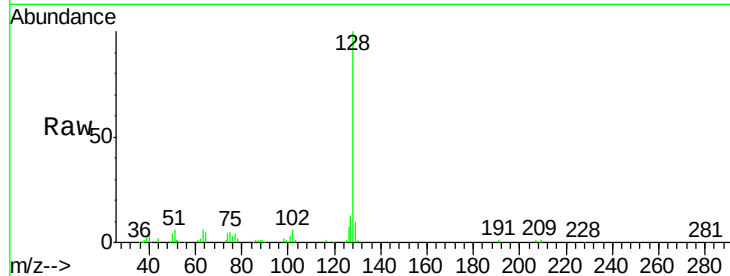




#95
Naphthalene
Concen: 15.559 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Instrument :
MSVOA_D
ClientSampleId :
VD1231SBSD01

Tgt Ion:128 Resp: 118036
Ion Ratio Lower Upper
128 100
127 13.8 10.3 15.5
129 11.0 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 16.573 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064687.D
Acq: 31 Dec 2019 11:25

Tgt Ion:180 Resp: 67845
Ion Ratio Lower Upper
180 100
182 92.8 47.9 143.7
145 30.6 14.9 44.7

