

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122719\
 Data File : VD064636.D
 Acq On : 27 Dec 2019 11:05
 Operator : VA/SY
 Sample : VD1227SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

Quant Time: Dec 30 00:56:08 2019
 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	7.98	168	408641	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	594846	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	525231	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	250274	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	184281	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
35) Dibromofluoromethane	7.91	113	184952	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	
50) Toluene-d8	10.34	98	717128	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
62) 4-Bromofluorobenzene	12.64	95	221150	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.99	85	60975	19.200 ug/l	86
3) Chloromethane	2.21	50	89524	20.156 ug/l	99
4) Vinyl Chloride	2.35	62	107429	19.838 ug/l	97
5) Bromomethane	2.76	94	76827	19.512 ug/l	93
6) Chloroethane	2.92	64	70766	19.502 ug/l	95
7) Trichlorofluoromethane	3.27	101	186605	20.465 ug/l	94
8) Diethyl Ether	3.70	74	33723	18.624 ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	73264	19.401 ug/l	97
10) Methyl Iodide	4.30	142	70893	17.477 ug/l	99
11) Tert butyl alcohol	5.25	59	19111	92.543 ug/l	100
12) 1,1-Dichloroethene	4.06	96	68530	19.062 ug/l	92
13) Acrolein	3.92	56	24756	86.017 ug/l	93
14) Allyl chloride	4.71	41	107929	19.255 ug/l	99
15) Acrylonitrile	5.42	53	71322	94.565 ug/l	100
16) Acetone	4.16	43	70266	88.562 ug/l	94
17) Carbon Disulfide	4.40	76	225501	19.398 ug/l	98
18) Methyl Acetate	4.72	43	37054	18.265 ug/l	97
19) Methyl tert-butyl Ether	5.48	73	147132	18.425 ug/l	94
20) Methylene Chloride	4.96	84	80323	18.740 ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	79532	19.425 ug/l	97
22) Diisopropyl ether	6.37	45	215011	19.231 ug/l	95
23) Vinyl Acetate	6.31	43	588727	92.828 ug/l	99
24) 1,1-Dichloroethane	6.27	63	132976	19.812 ug/l	98
25) 2-Butanone	7.22	43	90036	90.902 ug/l	98
26) 2,2-Dichloropropane	7.21	77	119303	19.118 ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	84163	19.047 ug/l	98
28) Bromochloromethane	7.54	49	50422	19.325 ug/l	99
29) Tetrahydrofuran	7.57	42	56641	91.957 ug/l	99
30) Chloroform	7.71	83	137204	19.484 ug/l	96
31) Cyclohexane	7.98	56	127661	19.001 ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	130416	19.718 ug/l	98
36) 1,1-Dichloropropene	8.11	75	110506	19.301 ug/l	99
37) Ethyl Acetate	7.30	43	41957	18.654 ug/l	97
38) Carbon Tetrachloride	8.10	117	119400	19.558 ug/l	98

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 MSVOA_D
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 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	130872	18.873	ug/l	99
40) Benzene	8.35	78	298346	19.088	ug/l	97
41) Methacrylonitrile	7.56	41	58138	44.550	ug/l #	36
42) 1,2-Dichloroethane	8.43	62	85601	18.953	ug/l	99
43) Isopropyl Acetate	8.46	43	80463	17.973	ug/l	99
44) Trichloroethene	9.11	130	86248	18.784	ug/l	90
45) 1,2-Dichloropropane	9.38	63	73162	19.605	ug/l	97
46) Dibromomethane	9.48	93	39688	19.075	ug/l	98
47) Bromodichloromethane	9.67	83	104661	18.904	ug/l #	99
48) Methyl methacrylate	9.46	41	39378	18.681	ug/l	95
49) 1,4-Dioxane	9.47	88	8526	355.388	ug/l #	90
51) 4-Methyl-2-Pentanone	10.23	43	198364	89.643	ug/l	98
52) Toluene	10.40	92	197083	19.220	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	95920	18.583	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	116121	19.079	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	53825	19.196	ug/l	92
56) Ethyl methacrylate	10.66	69	63396	18.104	ug/l	98
57) 1,3-Dichloropropane	10.95	76	90055	18.653	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	134811	101.046	ug/l	98
59) 2-Hexanone	10.99	43	135961	90.526	ug/l	98
60) Dibromochloromethane	11.14	129	73335	18.913	ug/l	100
61) 1,2-Dibromoethane	11.25	107	53689	19.413	ug/l	95
64) Tetrachloroethene	10.87	164	76217	18.915	ug/l	96
65) Chlorobenzene	11.67	112	208666	19.142	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	76439	18.600	ug/l	100
67) Ethyl Benzene	11.75	91	367671	18.582	ug/l	98
68) m/p-Xylenes	11.86	106	282133	36.943	ug/l	98
69) o-Xylene	12.18	106	126553	18.346	ug/l	99
70) Styrene	12.20	104	225290	18.606	ug/l	98
71) Bromoform	12.36	173	44004	18.776	ug/l #	98
73) Isopropylbenzene	12.48	105	346922	19.397	ug/l	99
74) N-amyl acetate	12.29	43	70726	18.499	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	56026	19.941	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	72903	36.888	ug/l #	100
77) Bromobenzene	12.76	156	85099	19.364	ug/l	99
78) n-propylbenzene	12.83	91	413641	19.824	ug/l	99
79) 2-Chlorotoluene	12.91	91	224351	19.573	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	282897	19.255	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	17537	18.559	ug/l	98
82) 4-Chlorotoluene	13.01	91	236625	19.399	ug/l	100
83) tert-Butylbenzene	13.23	119	249995	19.598	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	285659	19.523	ug/l	99
85) sec-Butylbenzene	13.41	105	341233	19.512	ug/l	99
86) p-Isopropyltoluene	13.53	119	321393	19.220	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	158203	18.884	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	159511	19.382	ug/l	99
89) n-Butylbenzene	13.85	91	292719	19.439	ug/l	99
90) Hexachloroethane	14.12	117	61876	19.371	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	136241	19.072	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	8815	19.354	ug/l	94

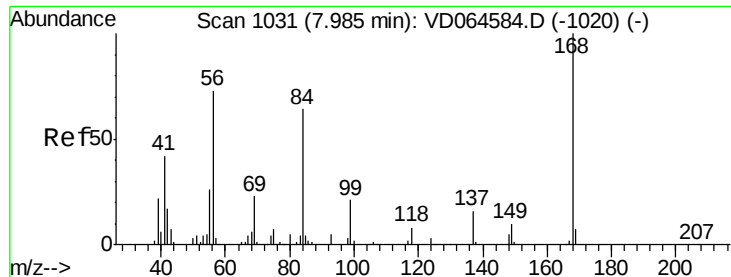
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD122719\
Data File : VD064636.D
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Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	97429	18.523	ug/l	98
94) Hexachlorobutadiene	15.28	225	62412	18.856	ug/l	99
95) Naphthalene	15.41	128	150792	18.121	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	85795	19.106	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064636.D

Acq: 27 Dec 2019 11:05

Instrument :

MSVOA_D

ClientSampleId :

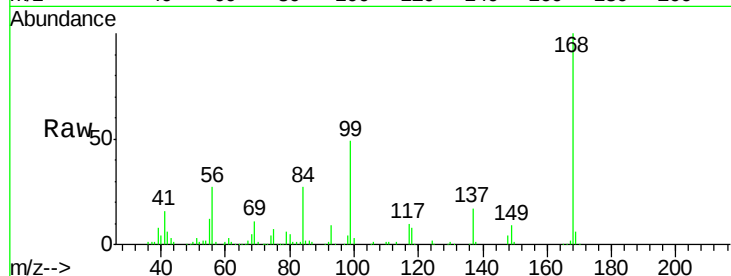
VD1227SBS01

Tgt Ion:168 Resp: 408641

Ion Ratio Lower Upper

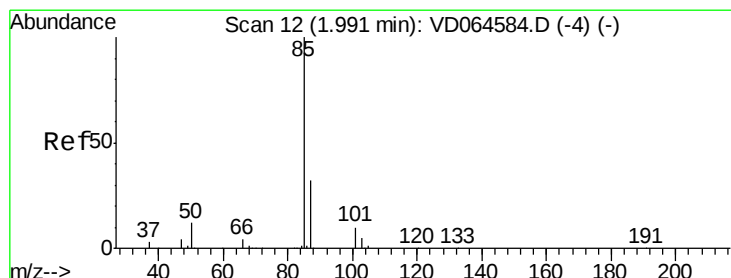
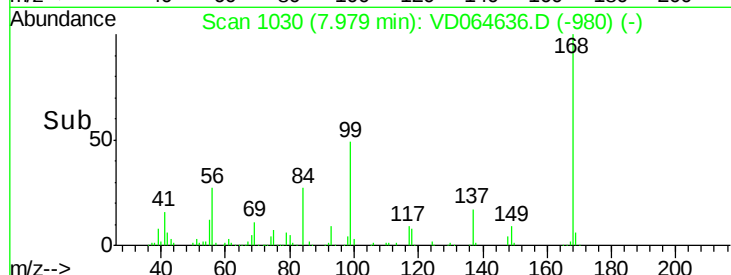
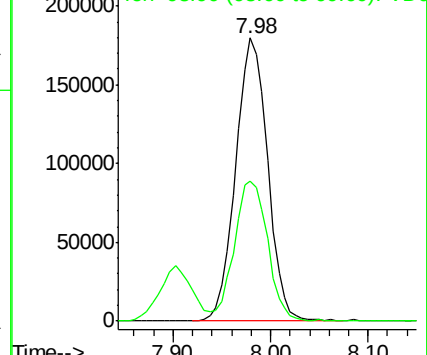
168 100

99 49.2 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: 19.200 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064636.D

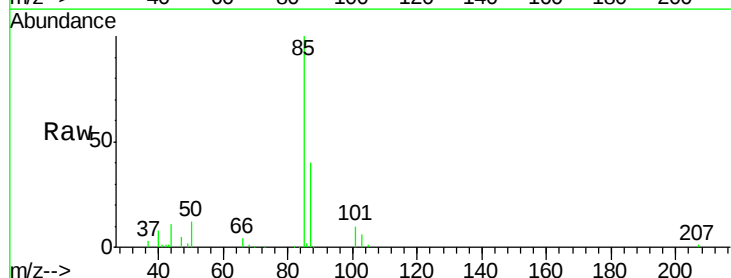
Acq: 27 Dec 2019 11:05

Tgt Ion: 85 Resp: 60975

Ion Ratio Lower Upper

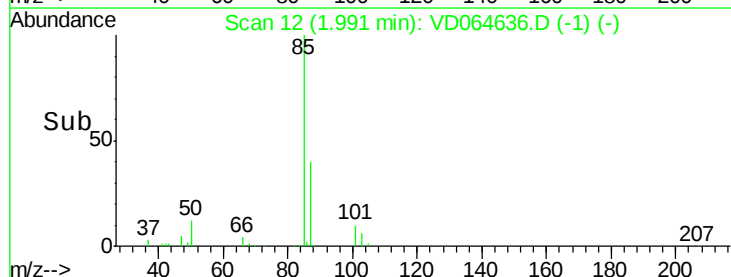
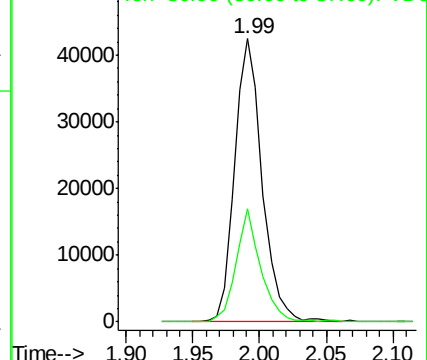
85 100

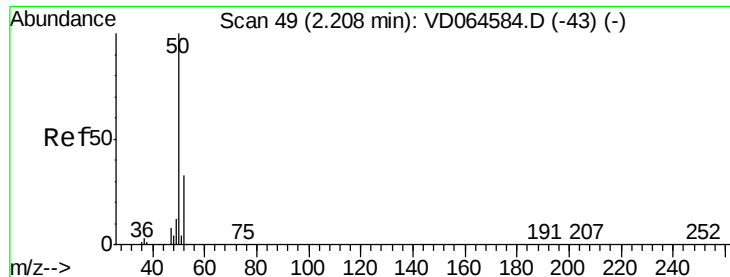
87 40.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.156 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064636.D

Acq: 27 Dec 2019 11:05

Instrument :

MSVOA_D

ClientSampleId :

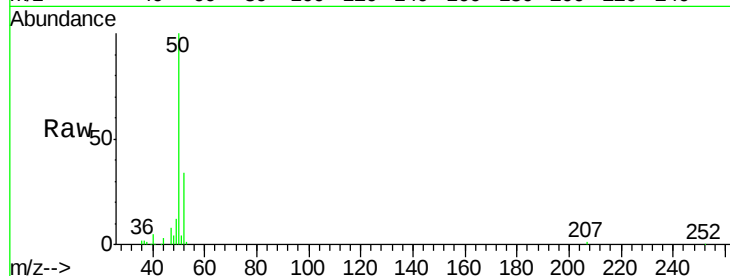
VD1227SBS01

Tgt Ion: 50 Resp: 89524

Ion Ratio Lower Upper

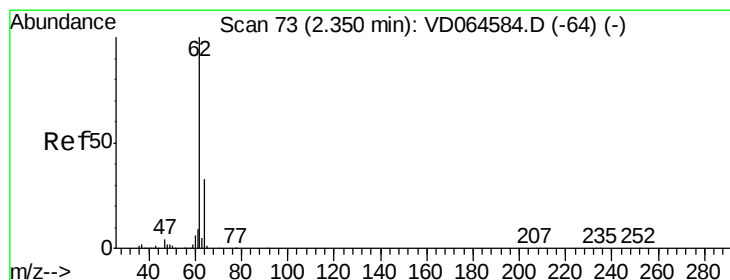
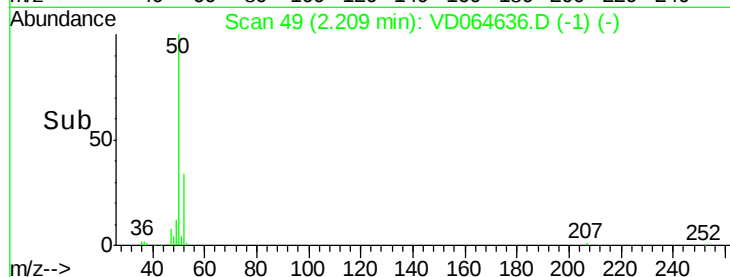
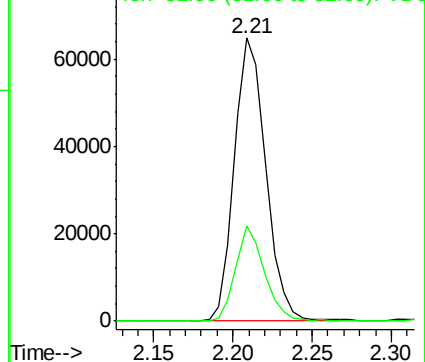
50 100

52 33.8 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.838 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064636.D

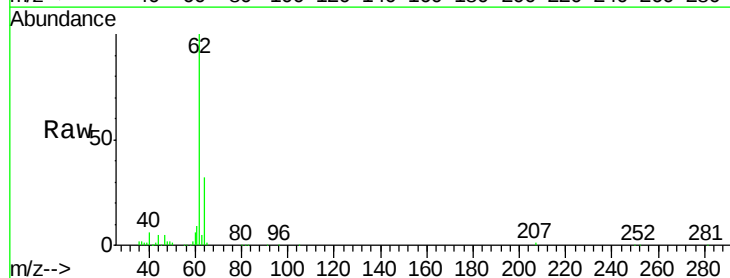
Acq: 27 Dec 2019 11:05

Tgt Ion: 62 Resp: 107429

Ion Ratio Lower Upper

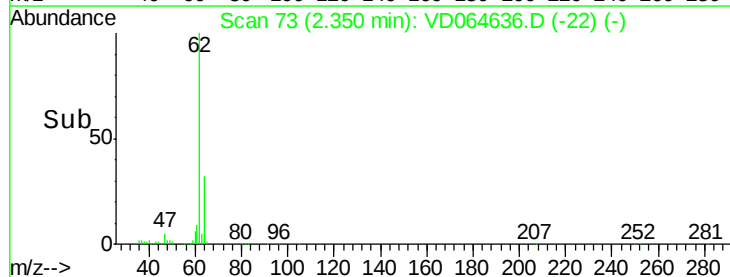
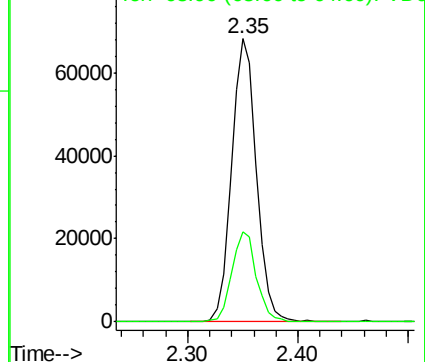
62 100

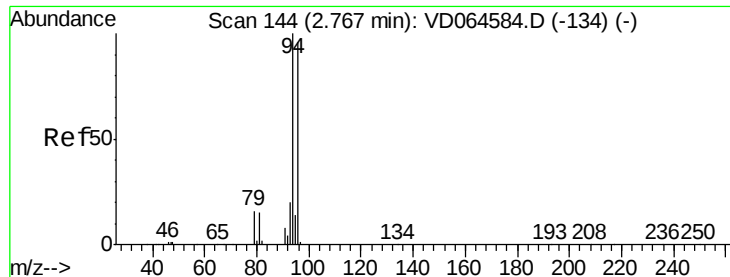
64 31.8 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.512 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064636.D

Acq: 27 Dec 2019 11:05

Instrument :

MSVOA_D

ClientSampleId :

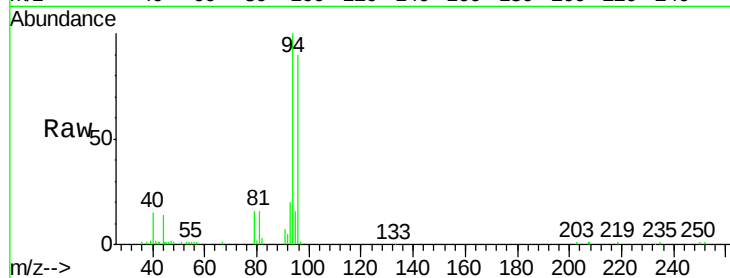
VD1227SBS01

Tgt Ion: 94 Resp: 76827

Ion Ratio Lower Upper

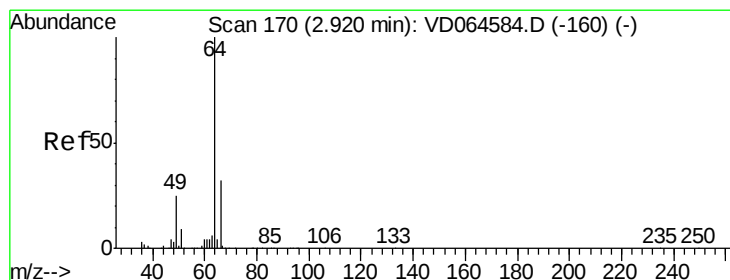
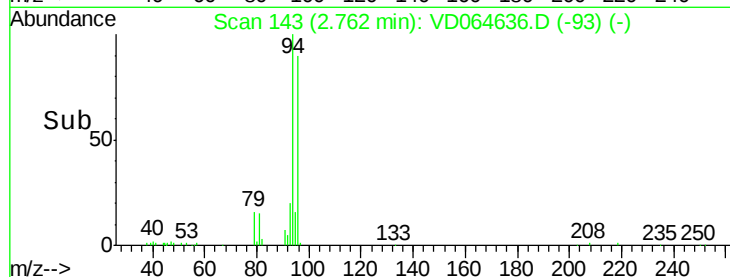
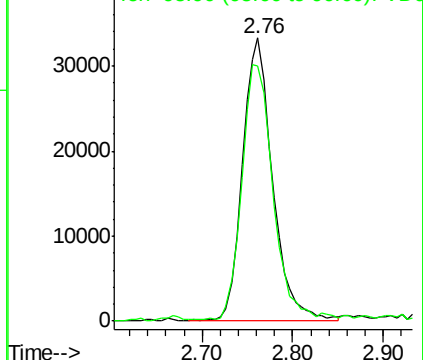
94 100

96 89.7 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.502 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064636.D

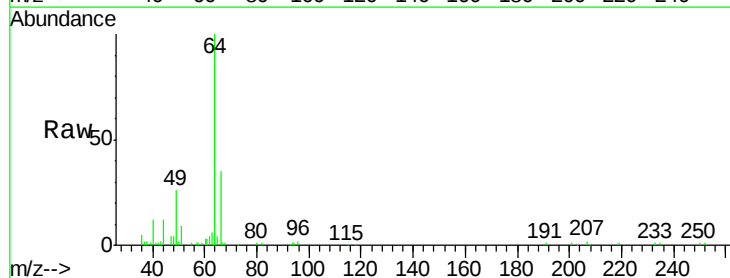
Acq: 27 Dec 2019 11:05

Tgt Ion: 64 Resp: 70766

Ion Ratio Lower Upper

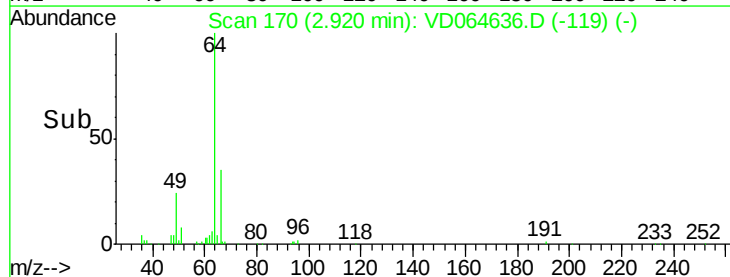
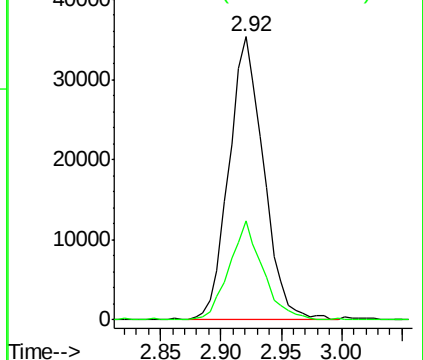
64 100

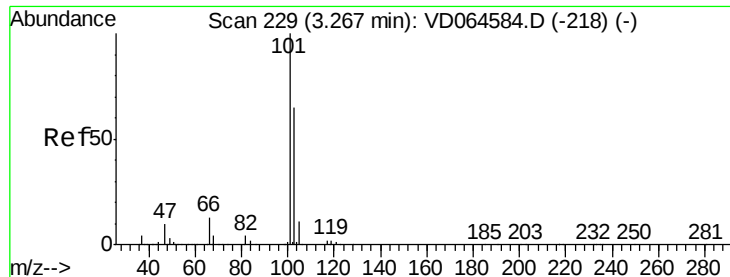
66 35.0 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



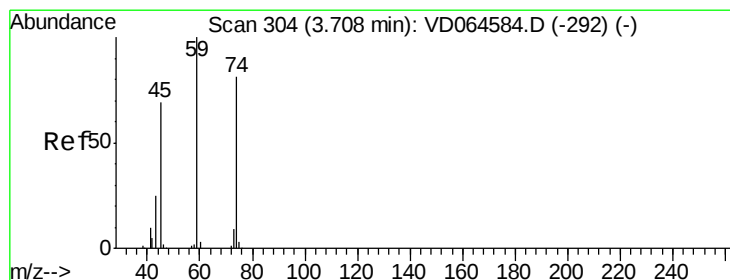
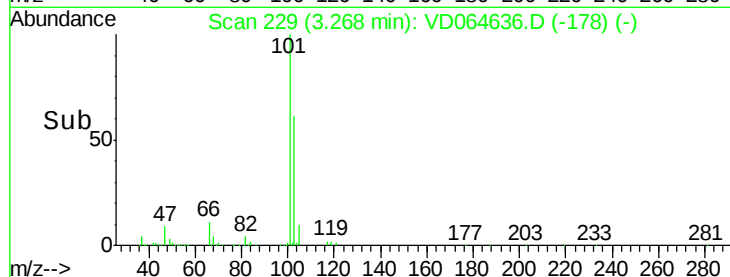
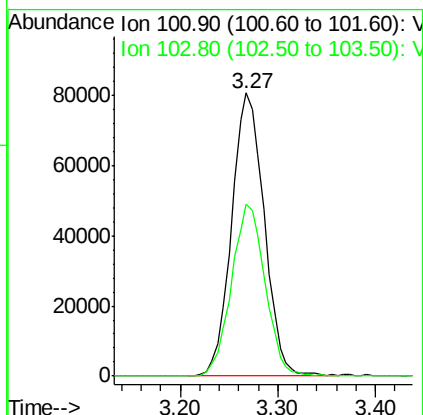
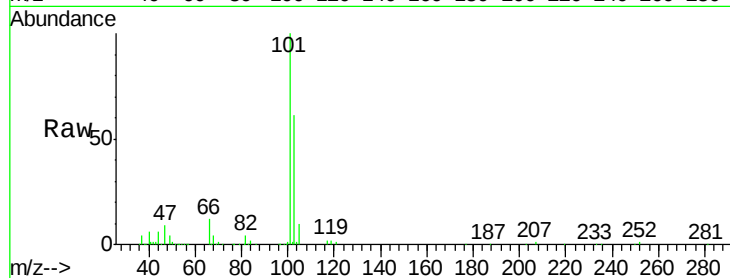


#7

Trichlorofluoromethane
 Concen: 20.465 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064636.D
 Acq: 27 Dec 2019 11:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

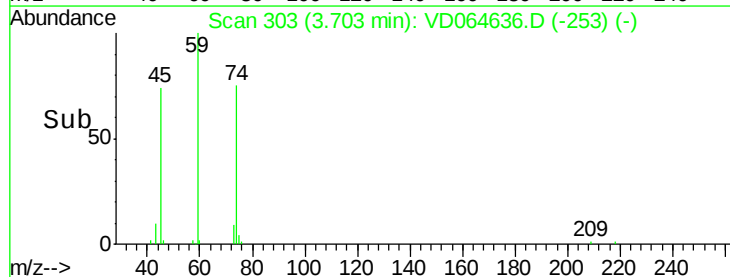
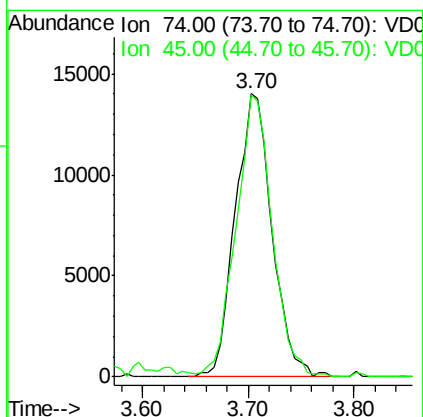
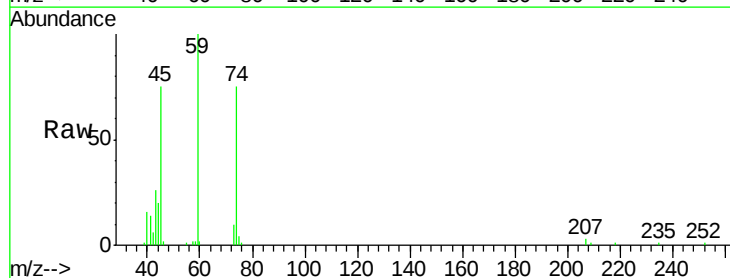
Tgt Ion: 101 Resp: 186605
 Ion Ratio Lower Upper
 101 100
 103 60.8 52.2 78.4

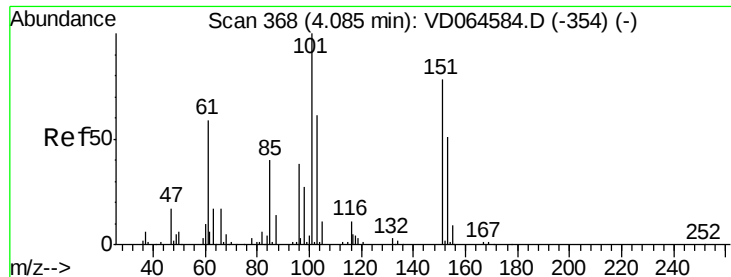


#8

Diethyl Ether
 Concen: 18.624 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064636.D
 Acq: 27 Dec 2019 11:05

Tgt Ion: 74 Resp: 33723
 Ion Ratio Lower Upper
 74 100
 45 98.7 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.401 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064636.D

Acq: 27 Dec 2019 11:05

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

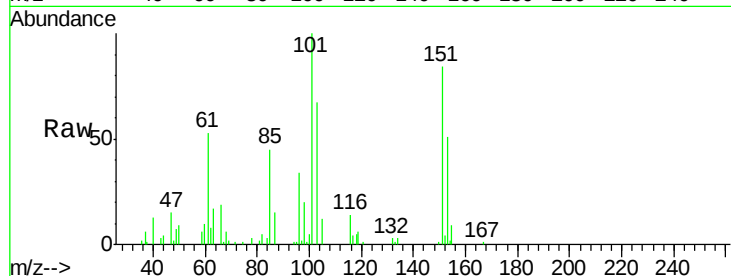
Tgt Ion:101 Resp: 73264

Ion Ratio Lower Upper

101 100

85 45.8 35.2 52.8

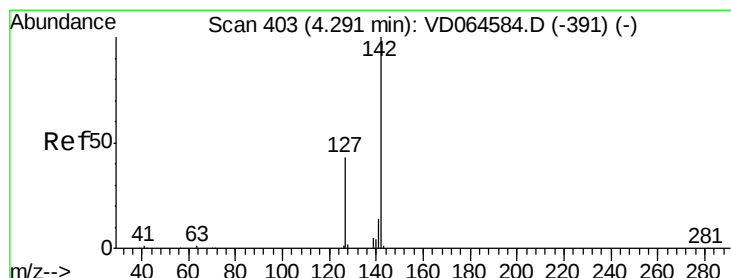
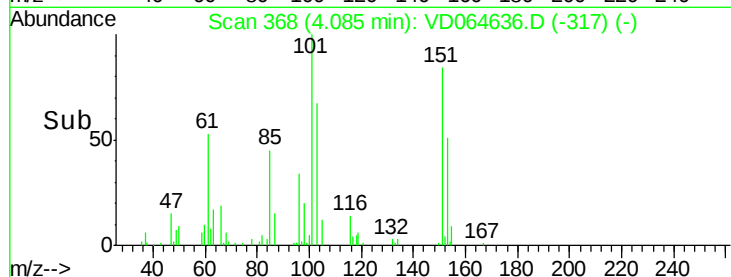
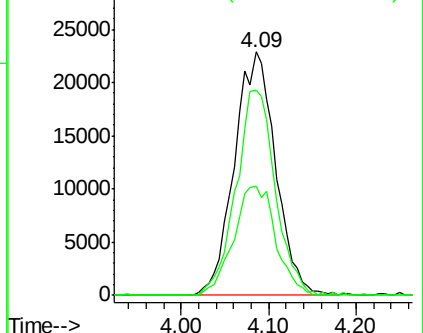
151 80.0 66.2 99.4



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: 17.477 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD064636.D

Acq: 27 Dec 2019 11:05

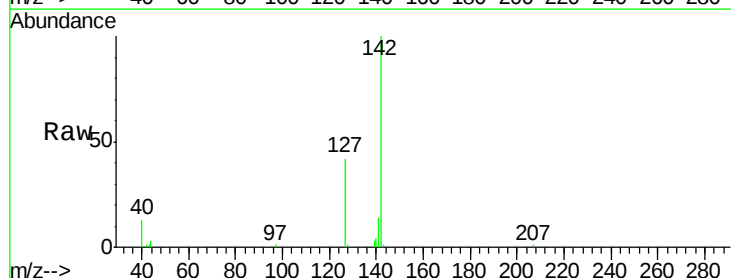
Tgt Ion:142 Resp: 70893

Ion Ratio Lower Upper

142 100

127 44.3 36.2 54.4

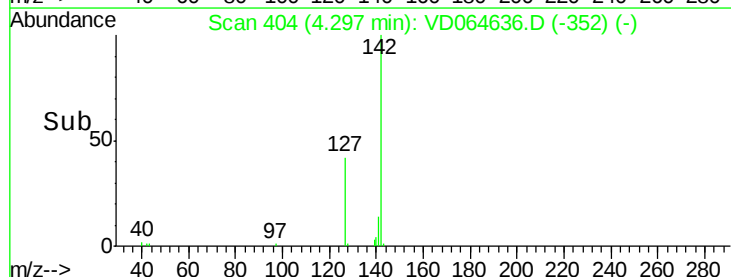
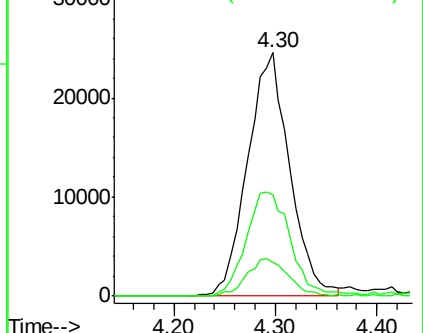
141 15.3 11.8 17.8

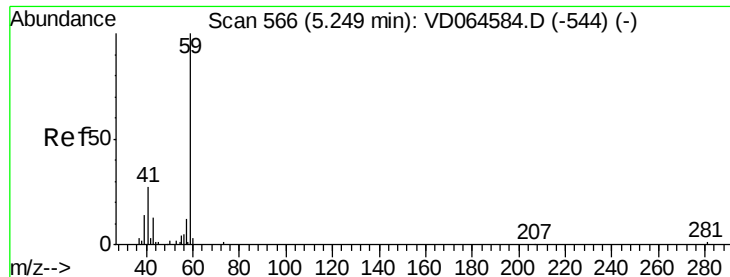


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



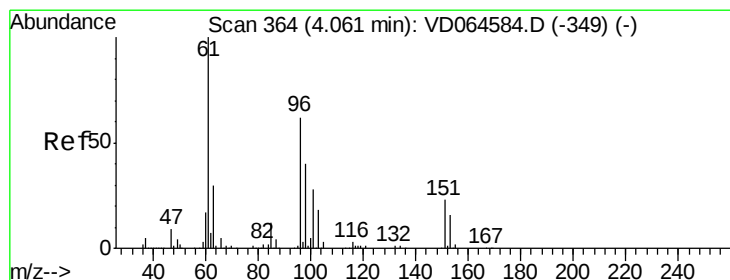
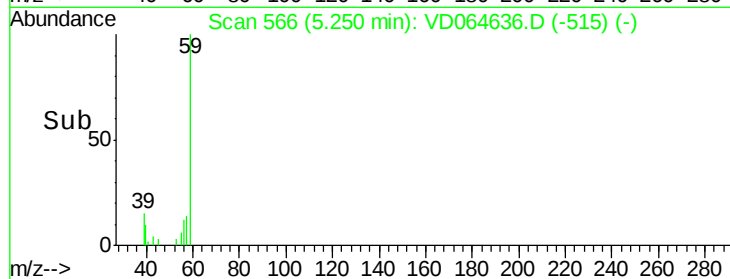
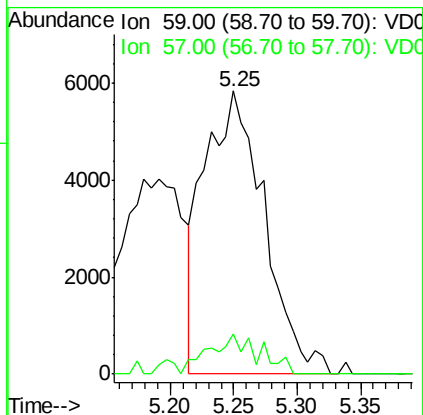
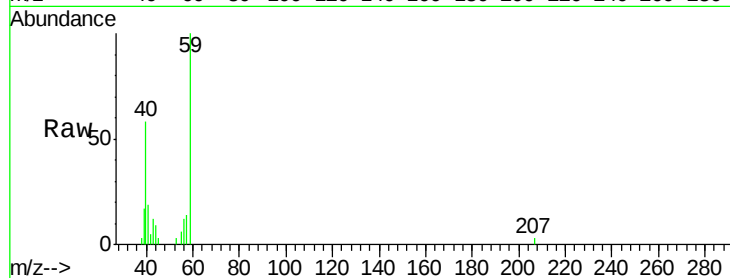


#11

Tert butyl alcohol
 Concen: 92.543 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VD064636.D
 Acq: 27 Dec 2019 11:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

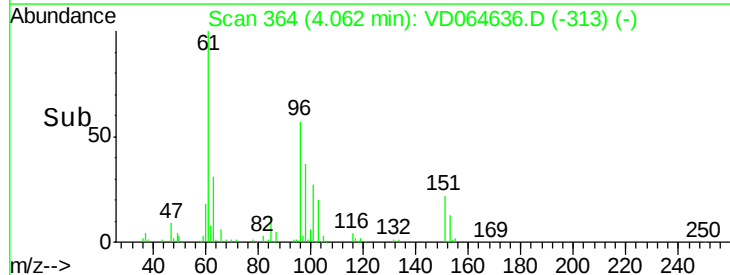
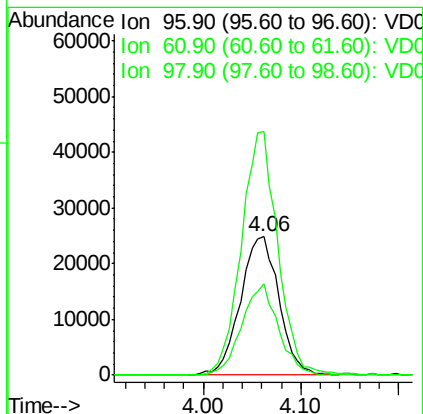
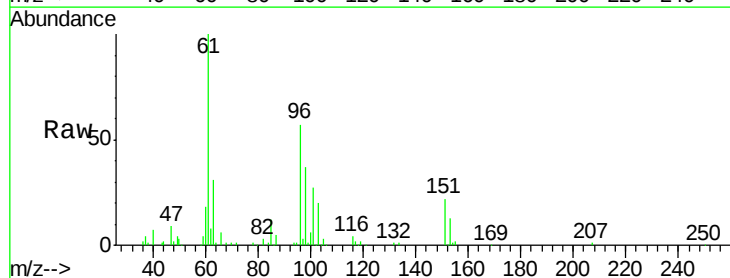
Tgt Ion: 59 Resp: 19111
 Ion Ratio Lower Upper
 59 100
 57 11.8 9.3 13.9

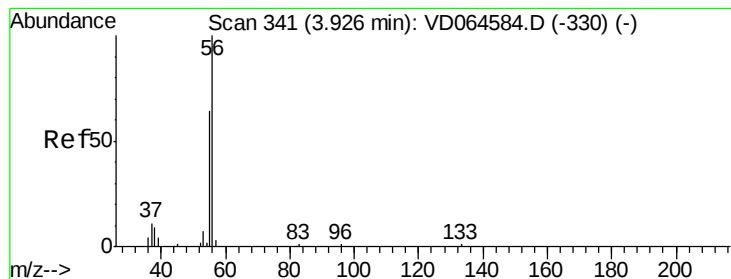


#12

1,1-Dichloroethene
 Concen: 19.062 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD064636.D
 Acq: 27 Dec 2019 11:05

Tgt Ion: 96 Resp: 68530
 Ion Ratio Lower Upper
 96 100
 61 176.2 129.4 194.0
 98 65.8 51.4 77.0





#13

Acrolein

Concen: 86.017 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064636.D

Acq: 27 Dec 2019 11:05

Instrument :

MSVOA_D

ClientSampleId :

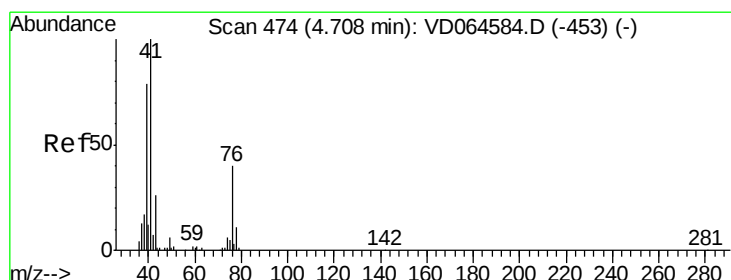
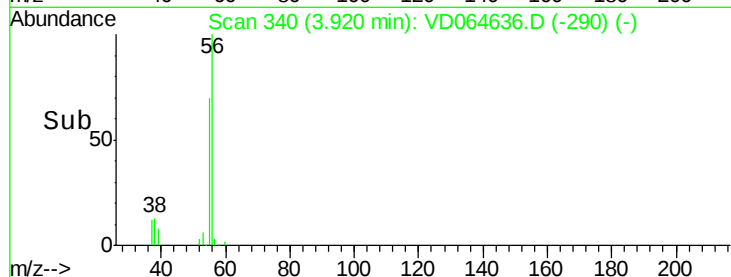
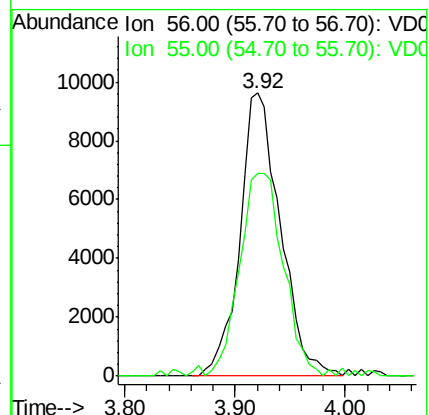
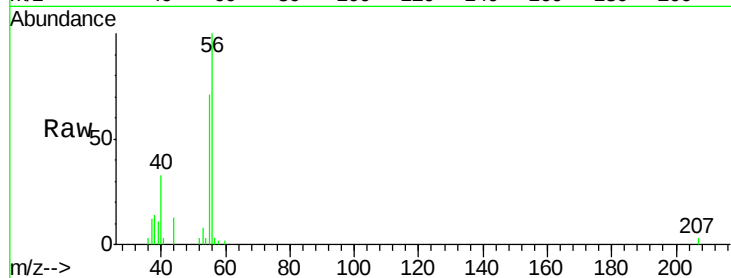
VD1227SBS01

Tgt Ion: 56 Resp: 24756

Ion Ratio Lower Upper

56 100

55 77.1 56.7 85.1



#14

Allyl chloride

Concen: 19.255 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064636.D

Acq: 27 Dec 2019 11:05

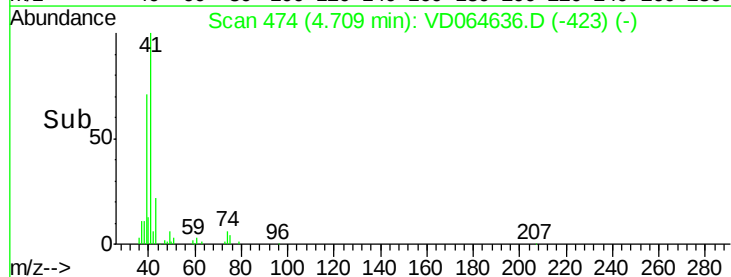
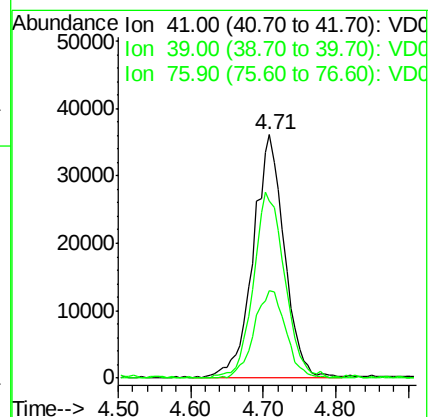
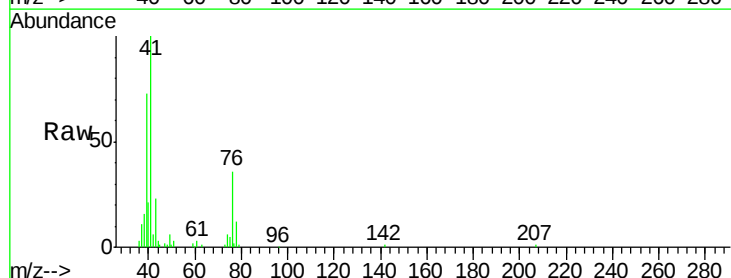
Tgt Ion: 41 Resp: 107929

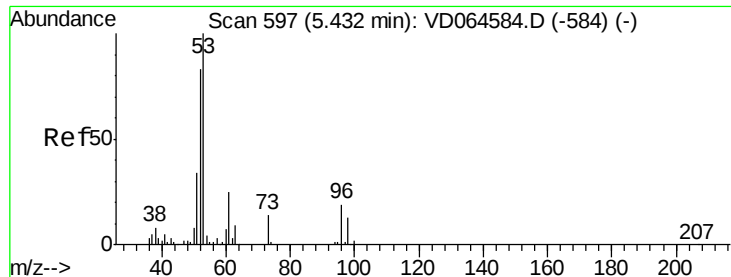
Ion Ratio Lower Upper

41 100

39 76.8 62.3 93.5

76 36.7 29.7 44.5





#15

Acrylonitrile

Concen: 94.565 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD064636.D

Acq: 27 Dec 2019 11:05

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

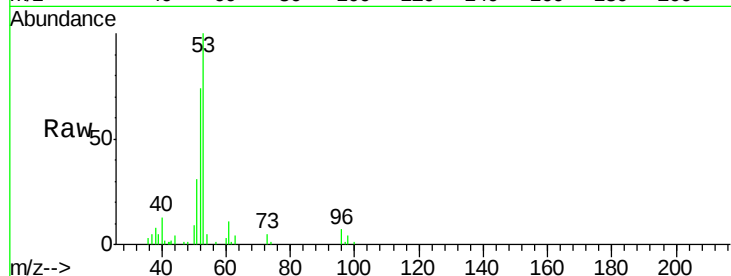
Tgt Ion: 53 Resp: 71322

Ion Ratio Lower Upper

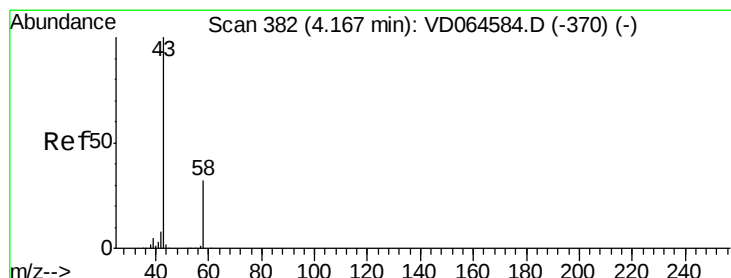
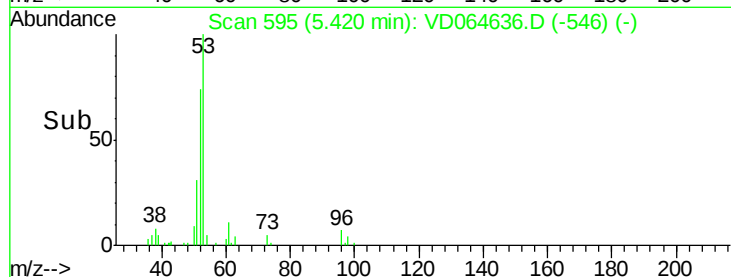
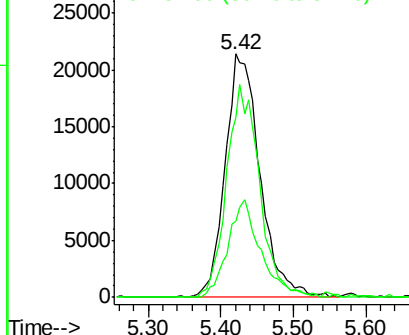
53 100

52 82.4 66.2 99.2

51 37.8 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: 88.562 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064636.D

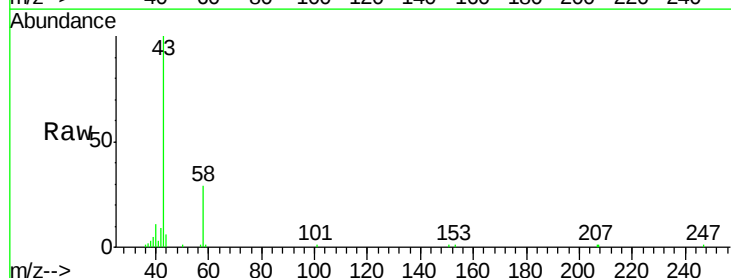
Acq: 27 Dec 2019 11:05

Tgt Ion: 43 Resp: 70266

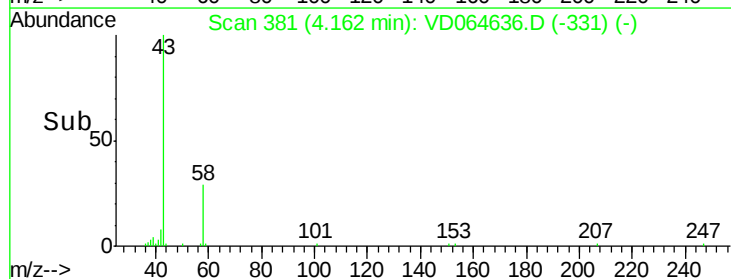
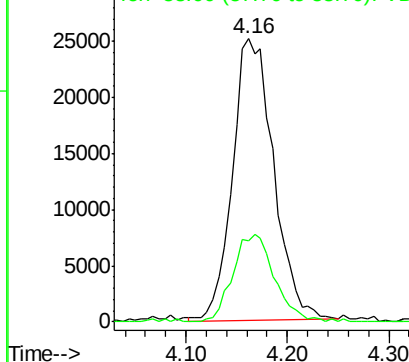
Ion Ratio Lower Upper

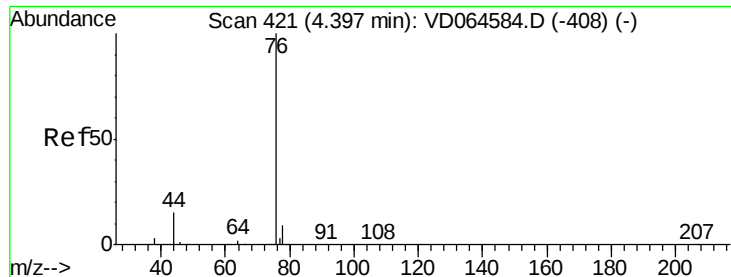
43 100

58 29.0 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: 19.398 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064636.D

Acq: 27 Dec 2019 11:05

Instrument :

MSVOA_D

ClientSampleId :

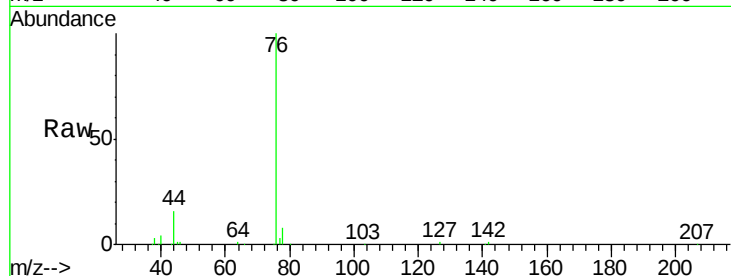
VD1227SBS01

Tgt Ion: 76 Resp: 225501

Ion Ratio Lower Upper

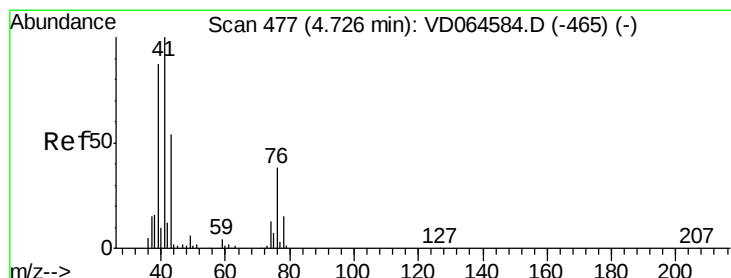
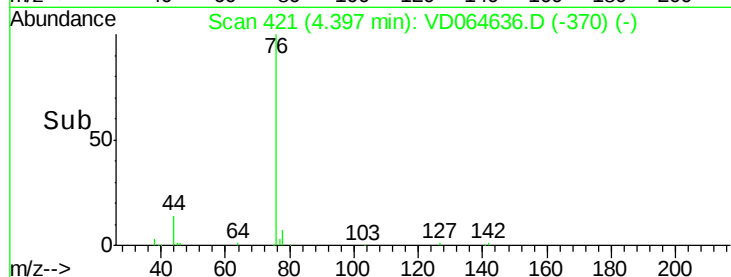
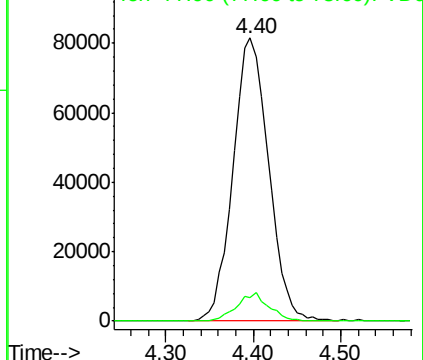
76 100

78 8.5 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 18.265 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD064636.D

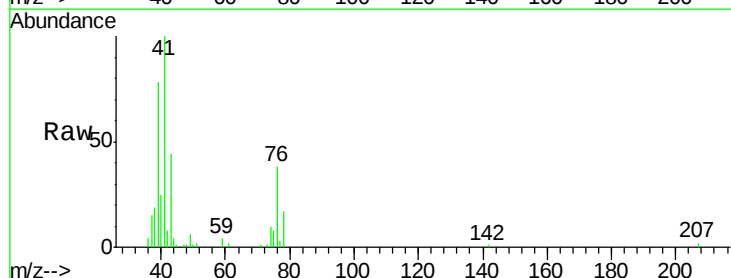
Acq: 27 Dec 2019 11:05

Tgt Ion: 43 Resp: 37054

Ion Ratio Lower Upper

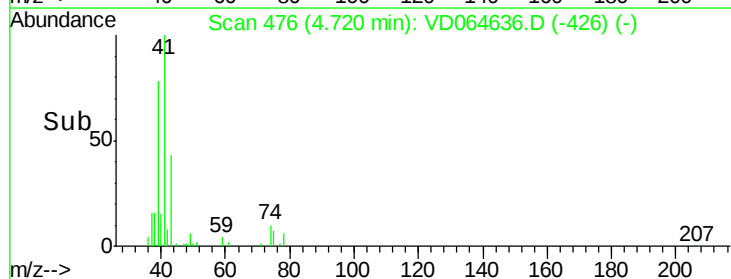
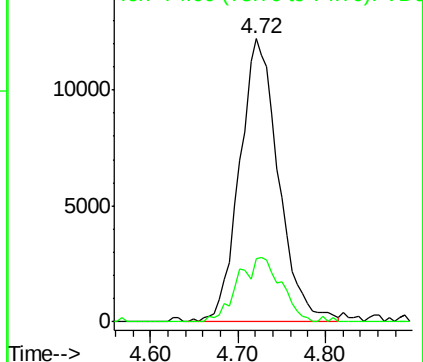
43 100

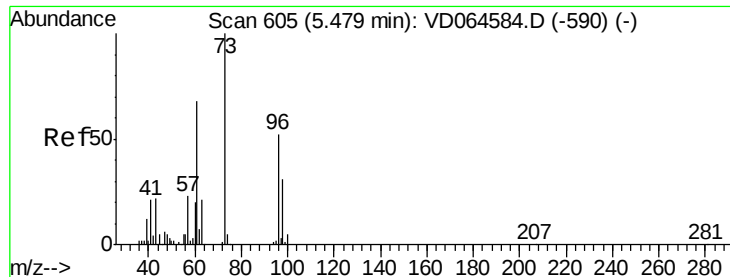
74 25.5 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



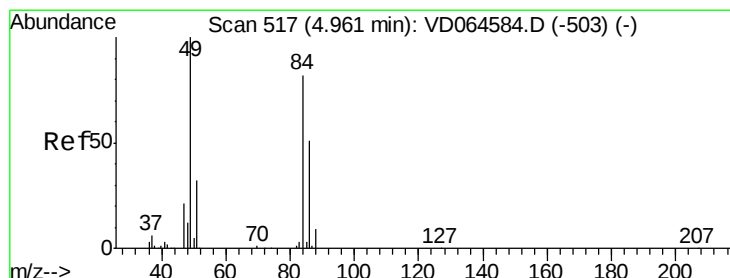
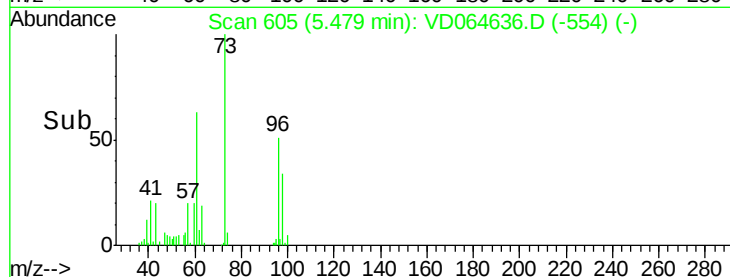
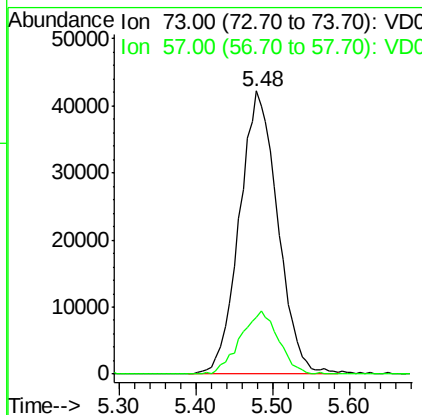
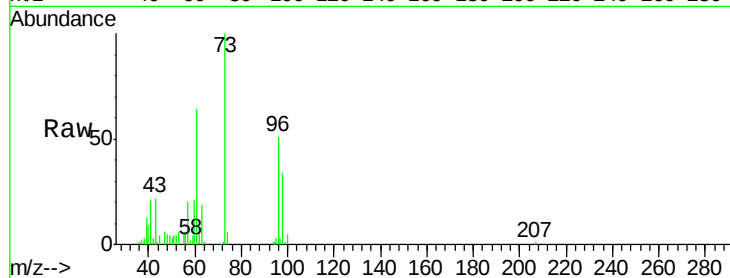


#19

Methyl tert-butyl Ether
 Concen: 18.425 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VD064636.D
 Acq: 27 Dec 2019 11:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

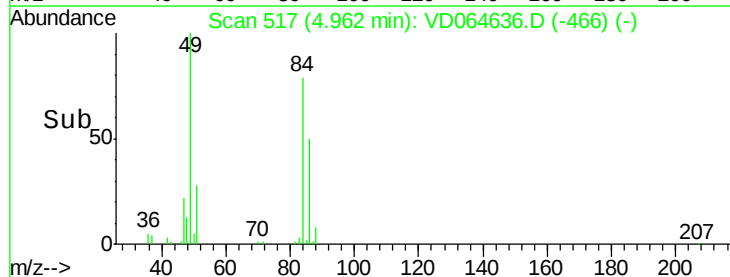
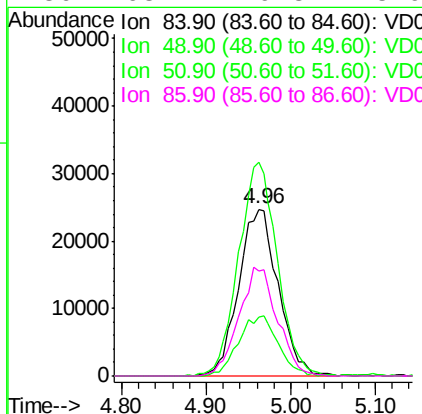
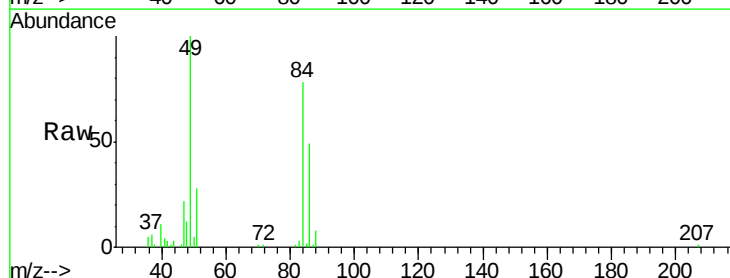
Tgt Ion: 73 Resp: 147132
 Ion Ratio Lower Upper
 73 100
 57 20.1 18.6 27.8

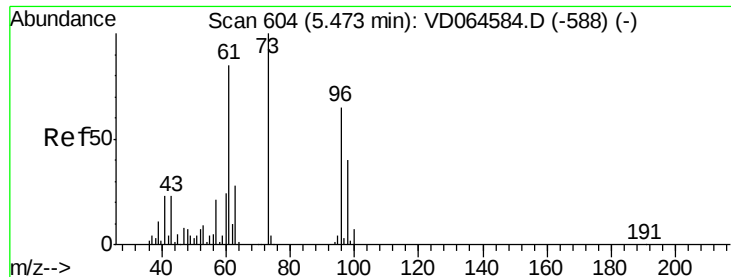


#20

Methylene Chloride
 Concen: 18.740 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064636.D
 Acq: 27 Dec 2019 11:05

Tgt Ion: 84 Resp: 80323
 Ion Ratio Lower Upper
 84 100
 49 127.9 97.2 145.8
 51 35.6 31.4 47.0
 86 63.2 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 19.425 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064636.D

Acq: 27 Dec 2019 11:05

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

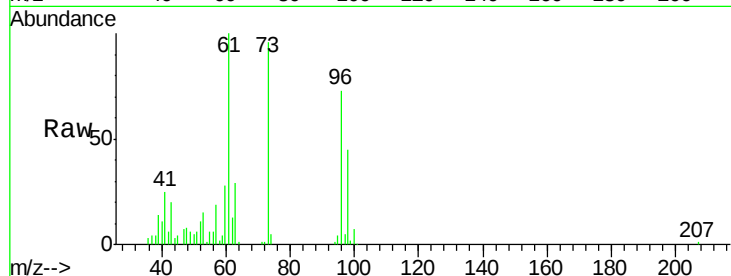
Tgt Ion: 96 Resp: 79532

Ion Ratio Lower Upper

96 100

61 136.4 104.7 157.1

98 62.0 49.4 74.2

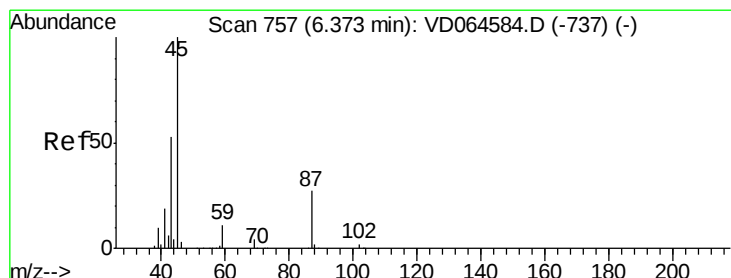
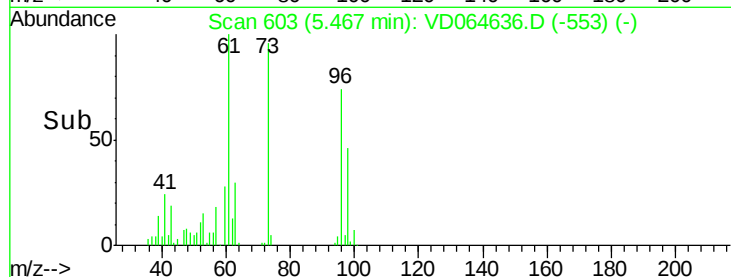
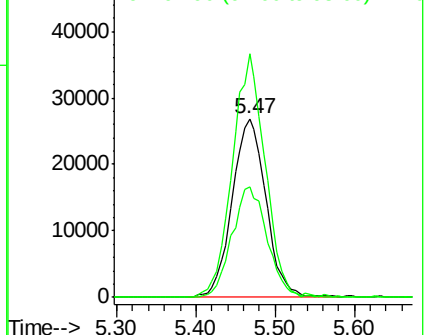


Abundance

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: 19.231 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064636.D

Acq: 27 Dec 2019 11:05

Tgt Ion: 45 Resp: 215011

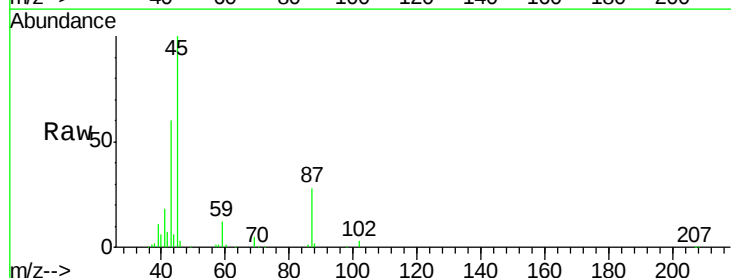
Ion Ratio Lower Upper

45 100

43 59.6 43.2 64.8

87 27.4 21.9 32.9

59 12.2 9.0 13.4



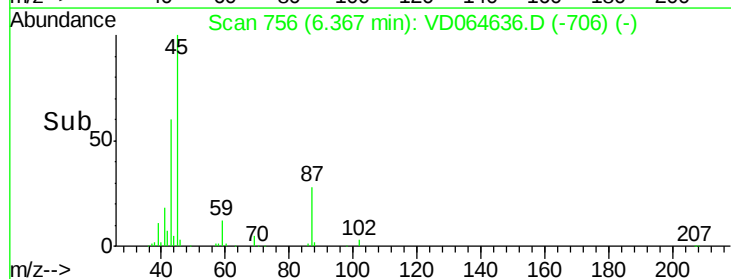
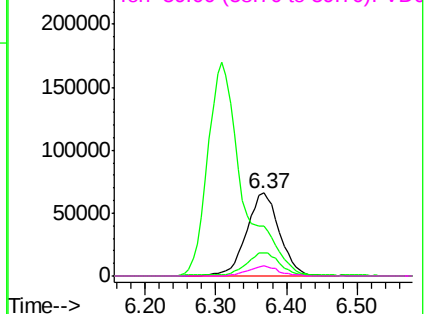
Abundance

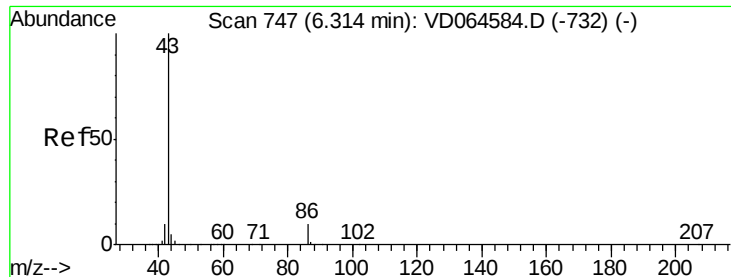
Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 92.828 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064636.D

Acq: 27 Dec 2019 11:05

Instrument :

MSVOA_D

ClientSampleId :

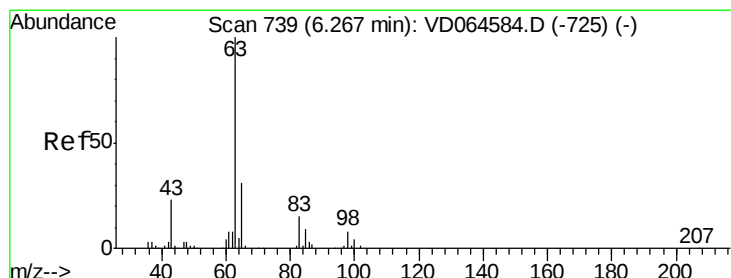
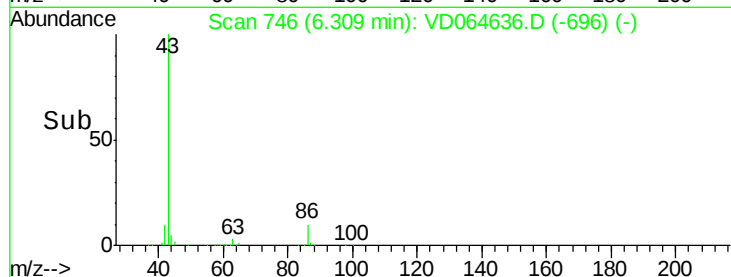
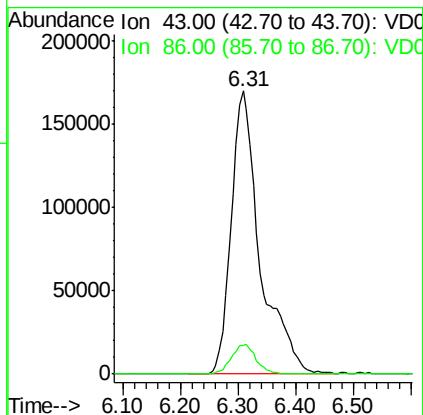
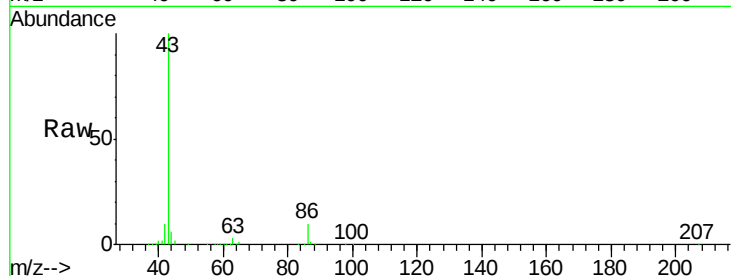
VD1227SBS01

Tgt Ion: 43 Resp: 588727

Ion Ratio Lower Upper

43 100

86 10.2 8.3 12.5



#24

1,1-Dichloroethane

Concen: 19.812 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064636.D

Acq: 27 Dec 2019 11:05

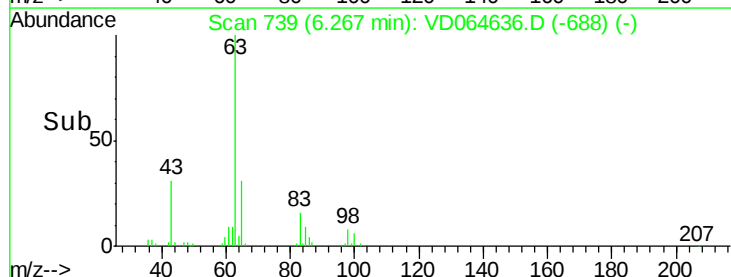
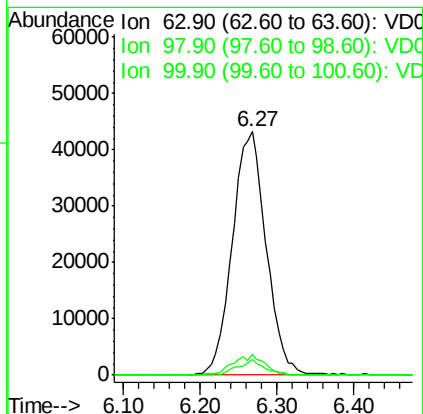
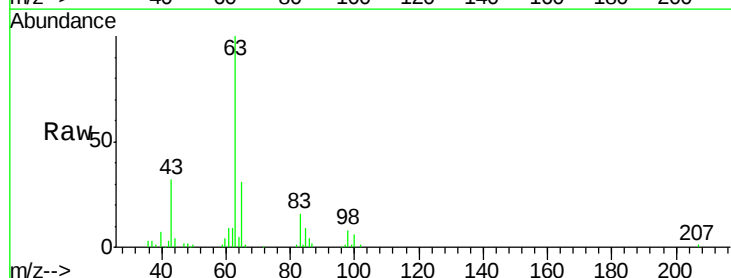
Tgt Ion: 63 Resp: 132976

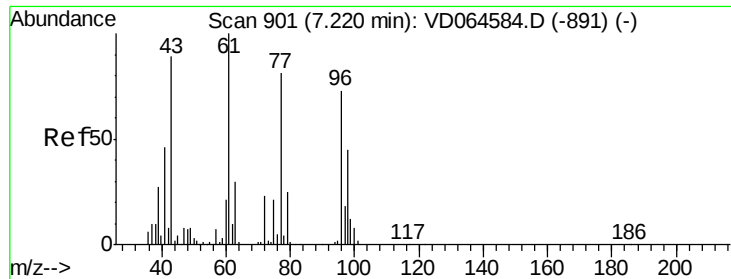
Ion Ratio Lower Upper

63 100

98 8.3 4.1 12.3

100 6.5 2.2 6.6





#25

2-Butanone

Concen: 90.902 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064636.D

Acq: 27 Dec 2019 11:05

Instrument :

MSVOA_D

ClientSampleId :

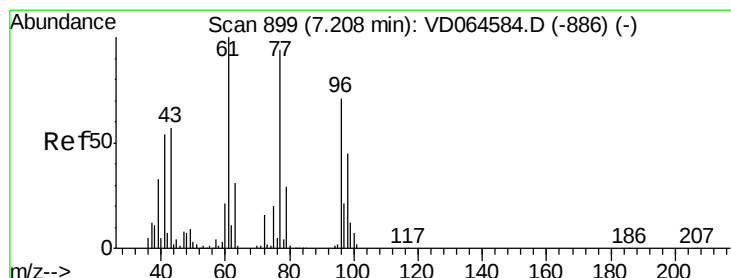
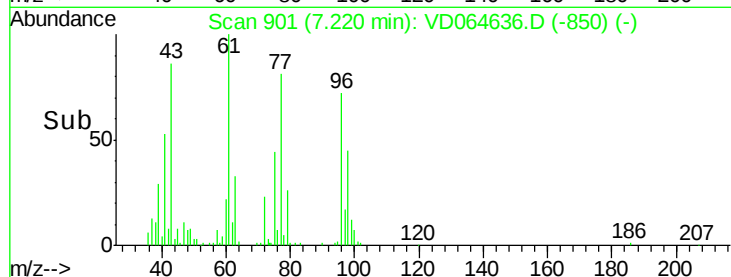
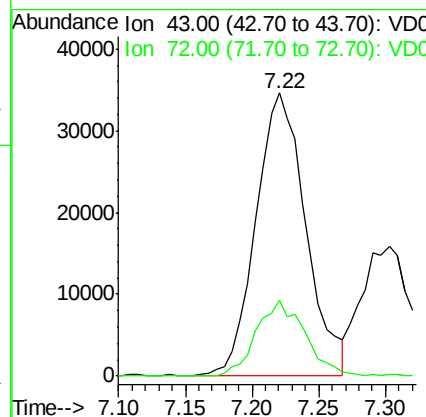
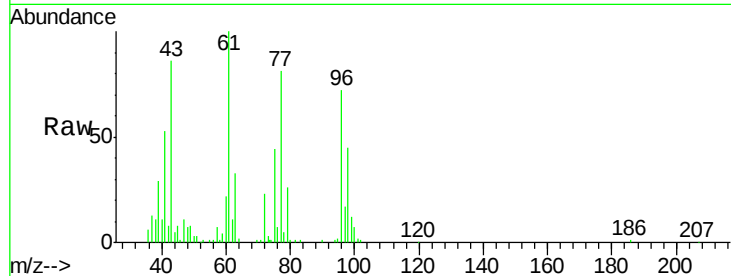
VD1227SBS01

Tgt Ion: 43 Resp: 90036

Ion Ratio Lower Upper

43 100

72 26.8 20.7 31.1



#26

2,2-Dichloropropane

Concen: 19.118 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064636.D

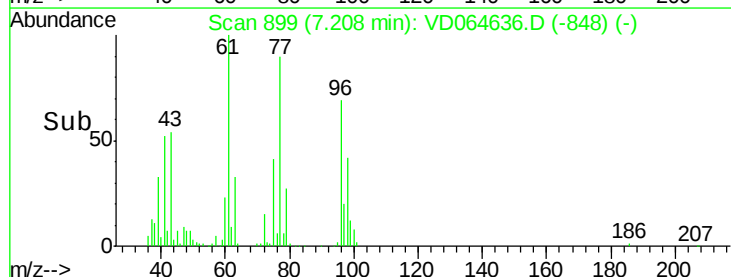
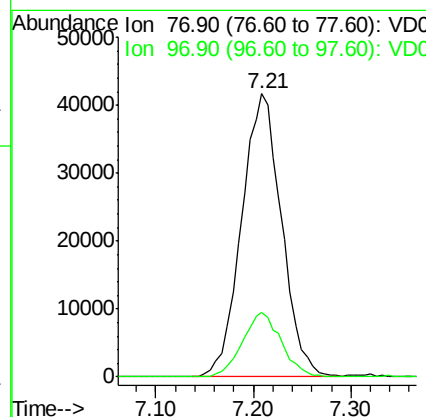
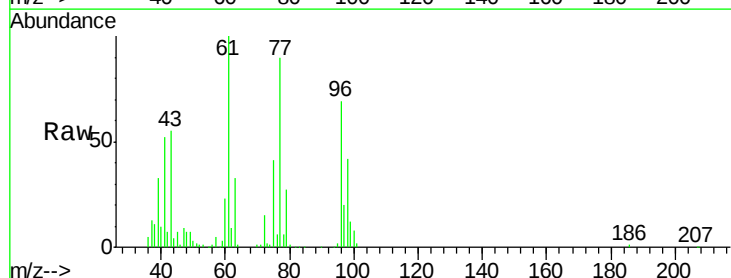
Acq: 27 Dec 2019 11:05

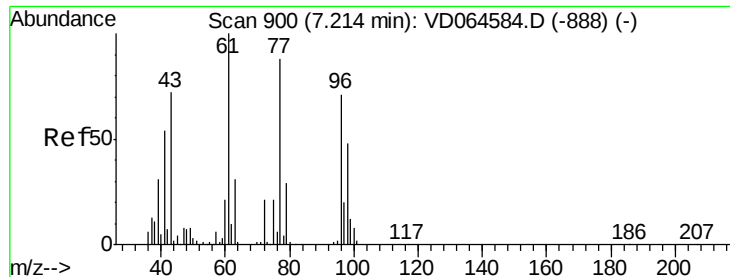
Tgt Ion: 77 Resp: 119303

Ion Ratio Lower Upper

77 100

97 22.2 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 19.047 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064636.D

Acq: 27 Dec 2019 11:05

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

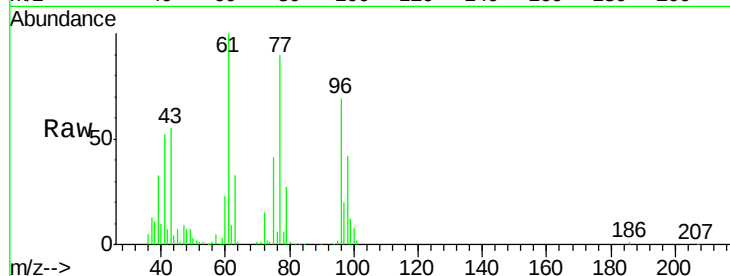
Tgt Ion: 96 Resp: 84163

Ion Ratio Lower Upper

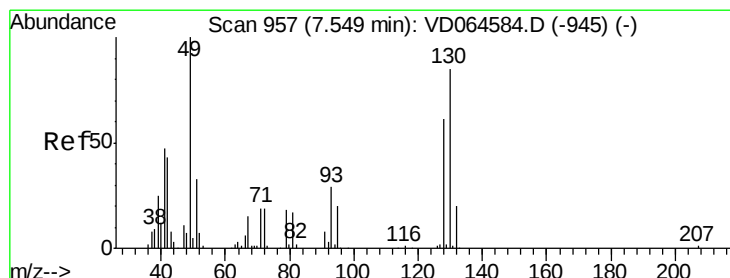
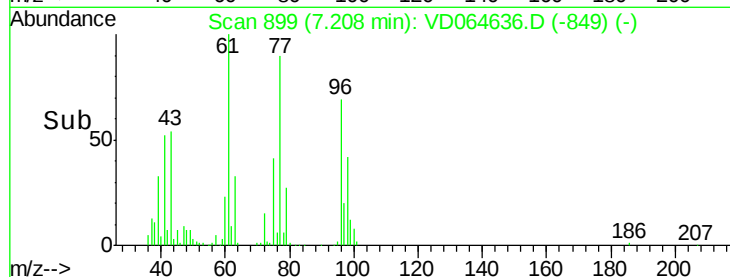
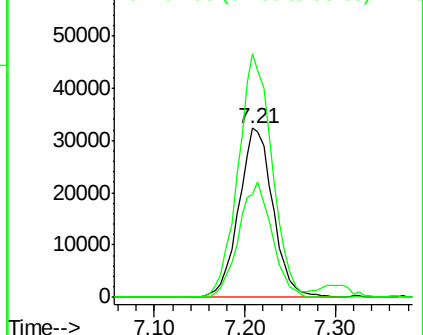
96 100

61 143.5 0.0 282.6

98 66.2 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: 19.325 ug/l

RT: 7.54 min Scan# 956

Delta R.T. -0.01 min

Lab File: VD064636.D

Acq: 27 Dec 2019 11:05

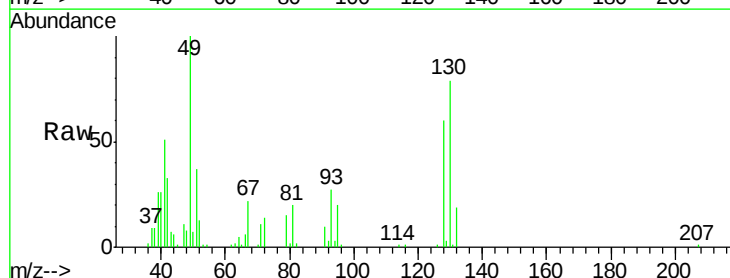
Tgt Ion: 49 Resp: 50422

Ion Ratio Lower Upper

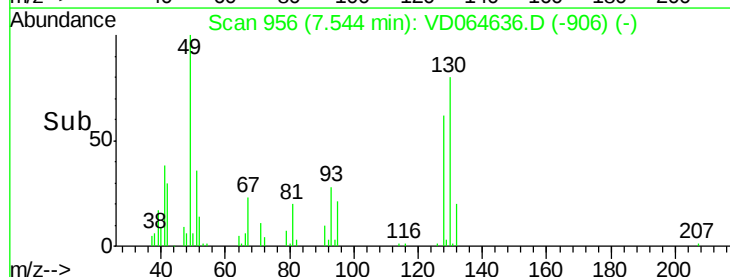
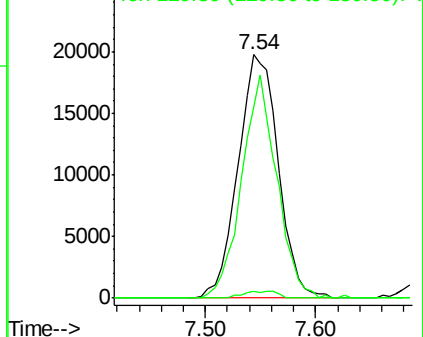
49 100

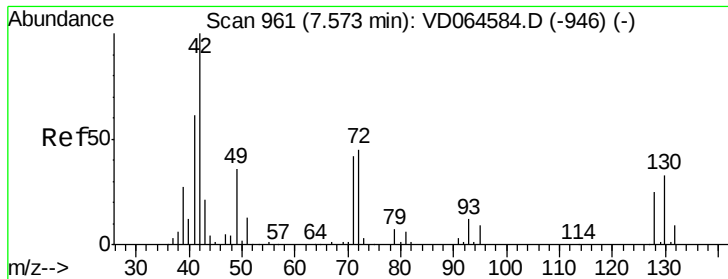
129 2.4 0.0 4.8

130 80.2 65.0 97.6



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

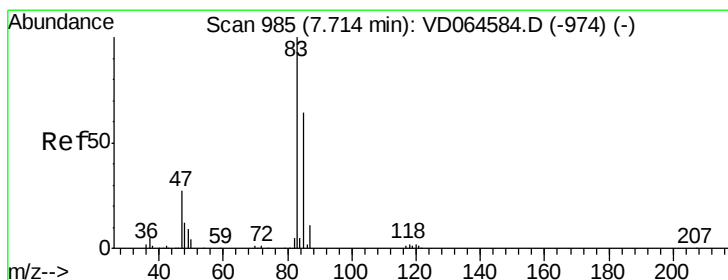
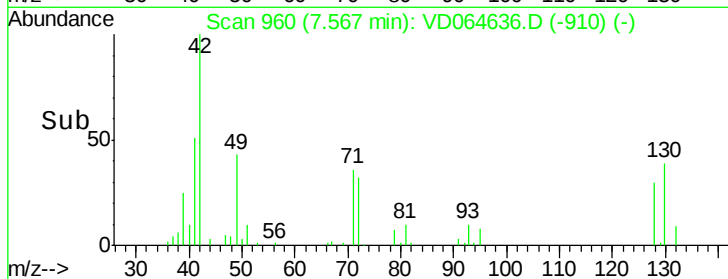
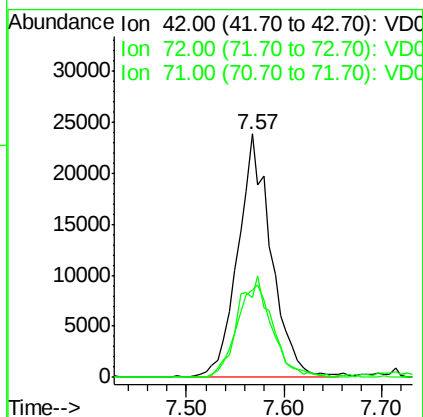
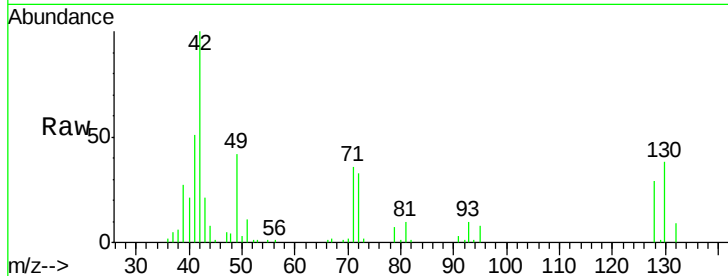




#29
Tetrahydrofuran
Concen: 91.957 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064636.D
Acq: 27 Dec 2019 11:05

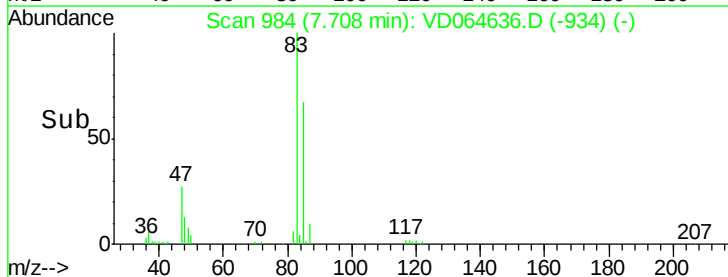
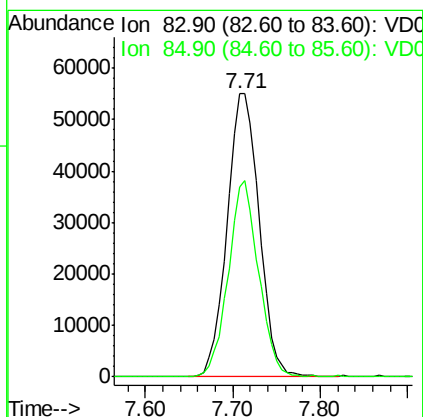
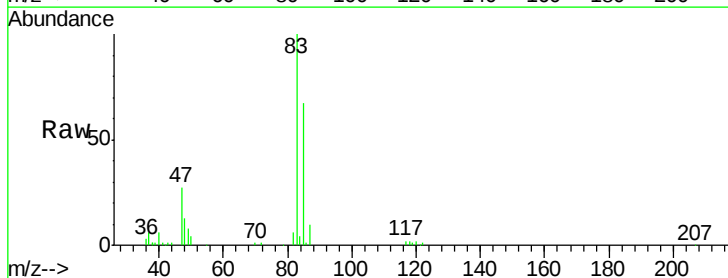
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

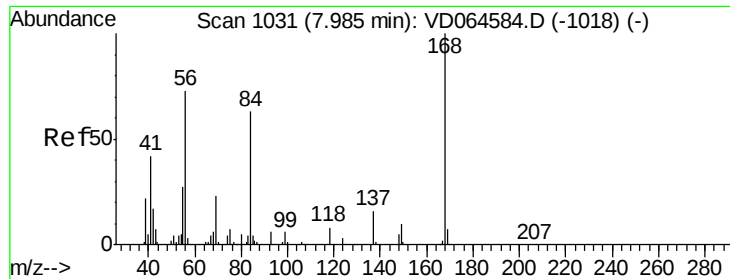
Tgt Ion: 42 Resp: 56641
Ion Ratio Lower Upper
42 100
72 43.2 35.0 52.4
71 41.4 32.9 49.3



#30
Chloroform
Concen: 19.484 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064636.D
Acq: 27 Dec 2019 11:05

Tgt Ion: 83 Resp: 137204
Ion Ratio Lower Upper
83 100
85 67.2 51.1 76.7

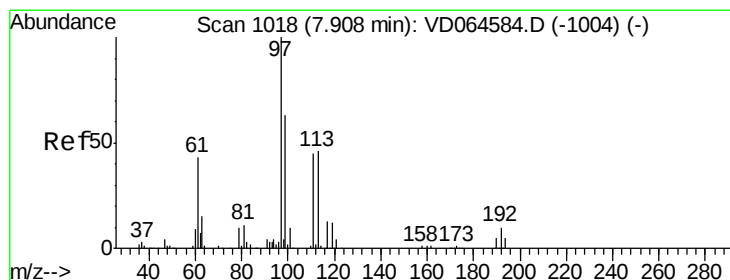
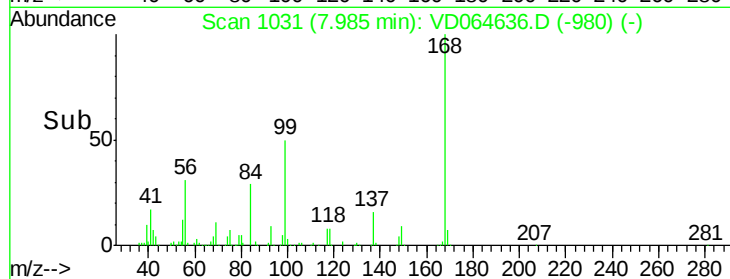
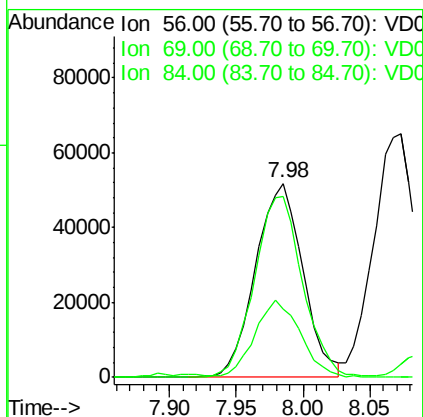
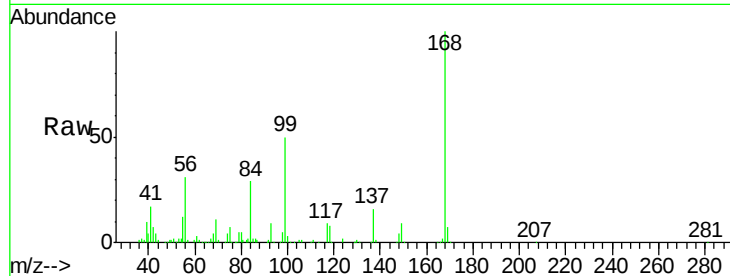




#31
Cyclohexane
Concen: 19.001 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064636.D
Acq: 27 Dec 2019 11:05

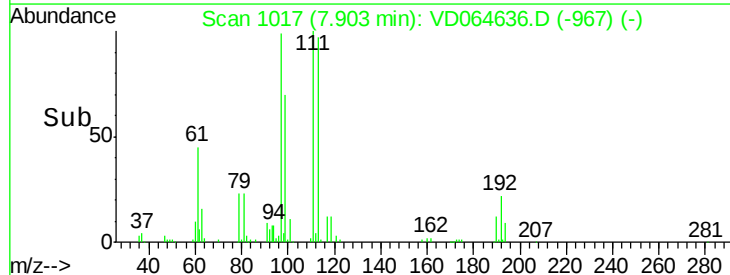
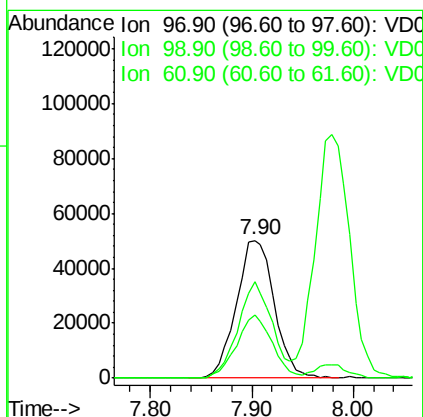
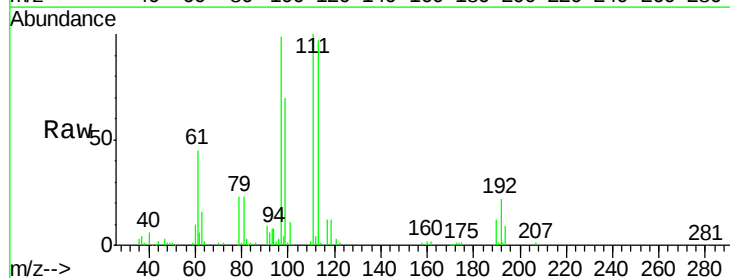
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

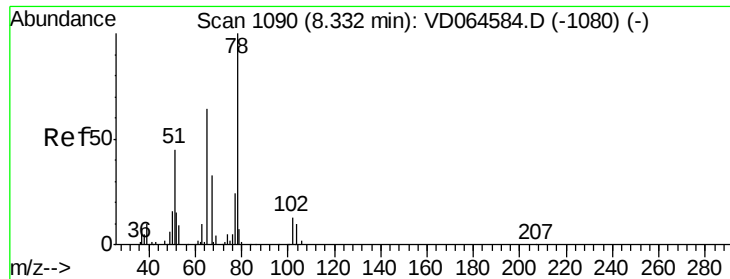
Tgt Ion: 56 Resp: 127661
Ion Ratio Lower Upper
56 100
69 35.4 24.7 37.1
84 91.6 69.4 104.2



#32
1,1,1-Trichloroethane
Concen: 19.718 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064636.D
Acq: 27 Dec 2019 11:05

Tgt Ion: 97 Resp: 130416
Ion Ratio Lower Upper
97 100
99 62.9 51.0 76.6
61 42.9 35.4 53.0





#33

1,2-Dichloroethane-d4

Concen: 51.142 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD064636.D

Acq: 27 Dec 2019 11:05

Instrument :

MSVOA_D

ClientSampleId :

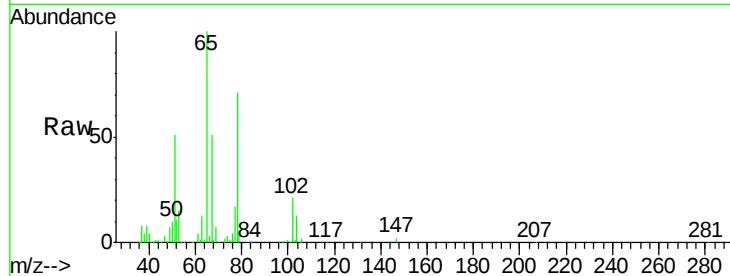
VD1227SBS01

Tgt Ion: 65 Resp: 184281

Ion Ratio Lower Upper

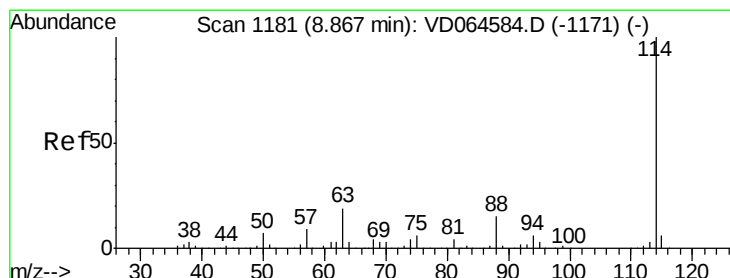
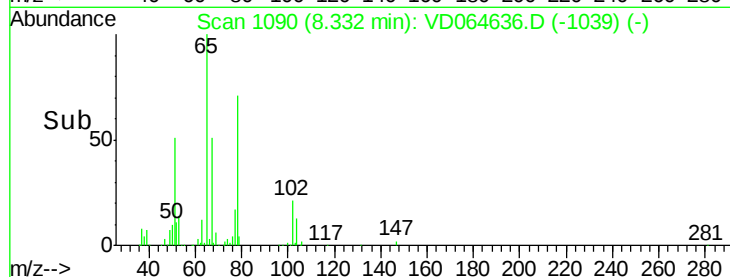
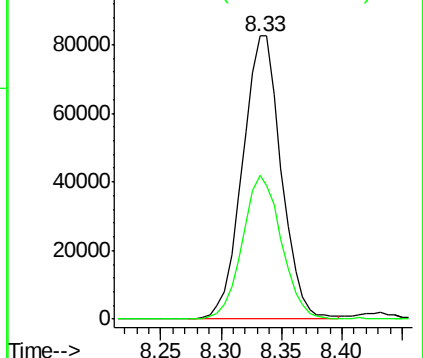
65 100

67 51.0 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064636.D

Acq: 27 Dec 2019 11:05

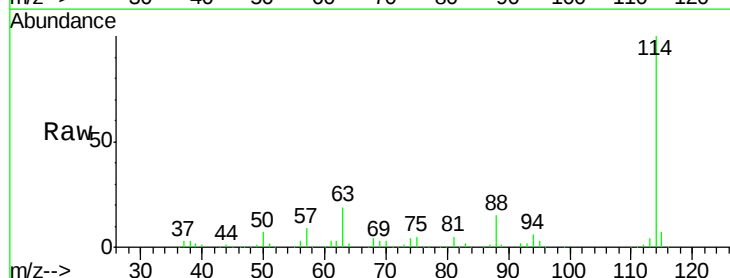
Tgt Ion: 114 Resp: 594846

Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.0

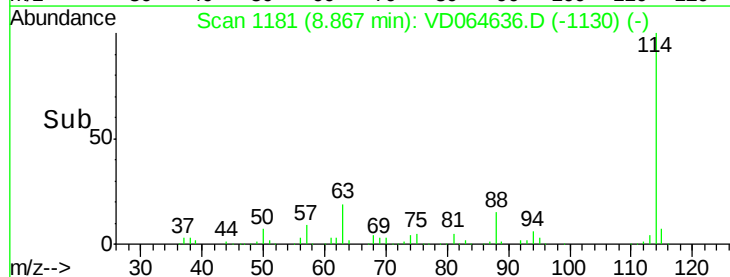
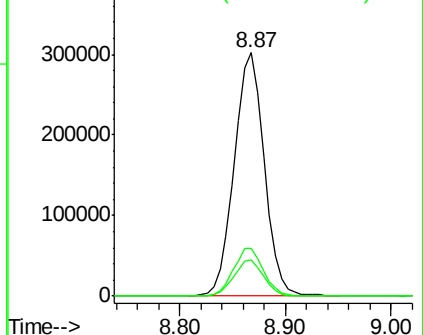
88 14.9 0.0 29.2

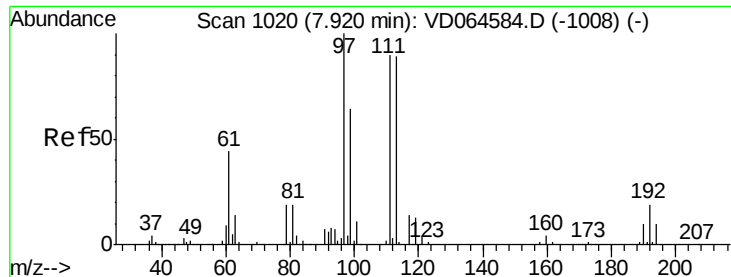


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

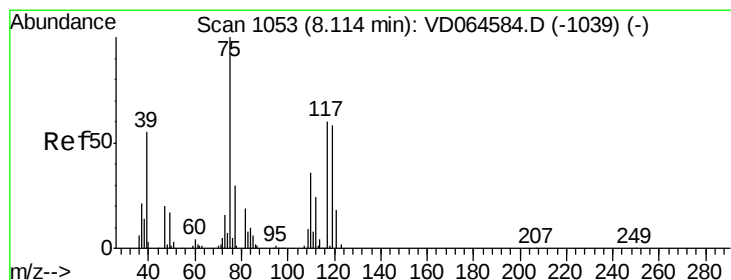
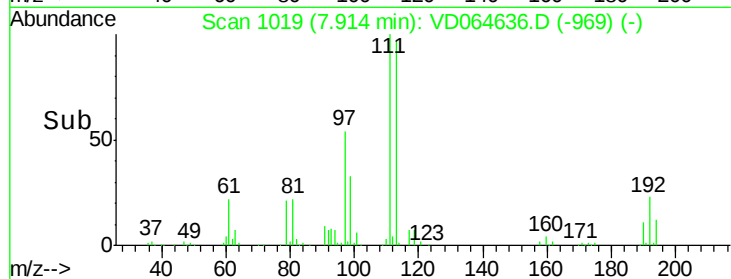
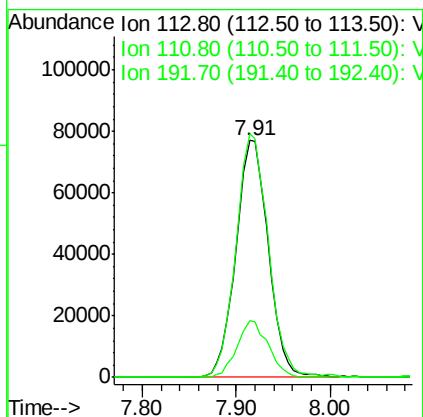
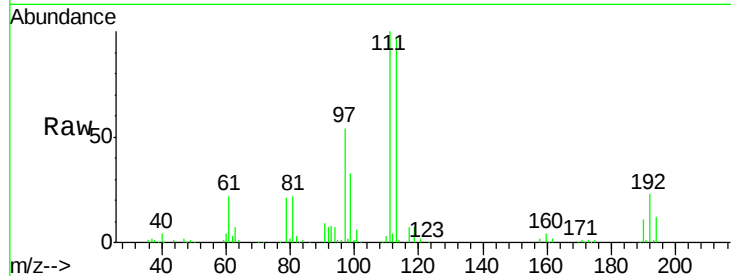




#35
 Dibromofluoromethane
 Concen: 50.679 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064636.D
 Acq: 27 Dec 2019 11:05

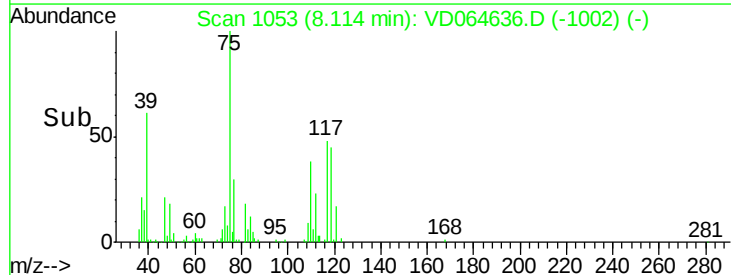
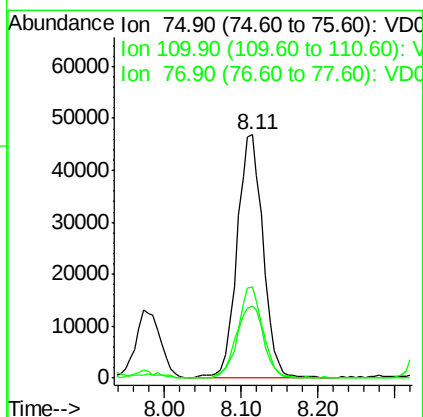
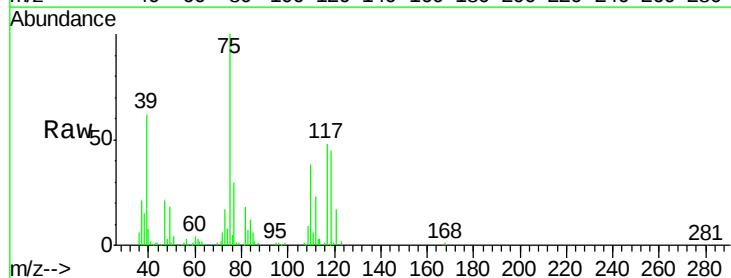
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

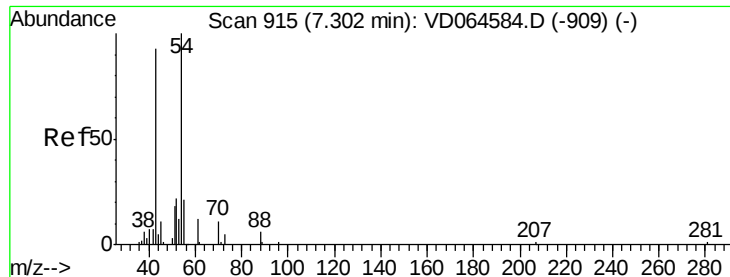
Tgt Ion:113 Resp: 184952
 Ion Ratio Lower Upper
 113 100
 111 102.7 80.6 121.0
 192 23.1 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 19.301 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064636.D
 Acq: 27 Dec 2019 11:05

Tgt Ion: 75 Resp: 110506
 Ion Ratio Lower Upper
 75 100
 110 36.3 18.1 54.1
 77 31.1 24.2 36.4

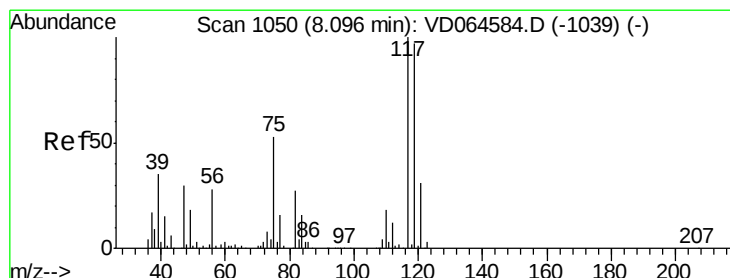
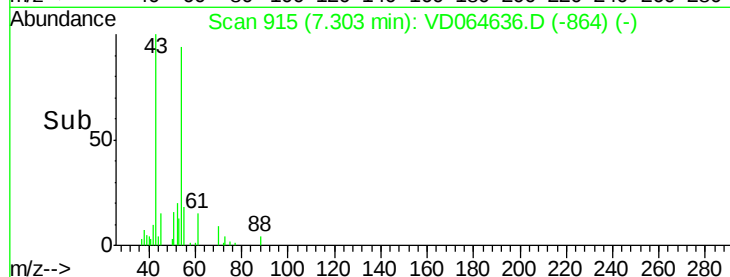
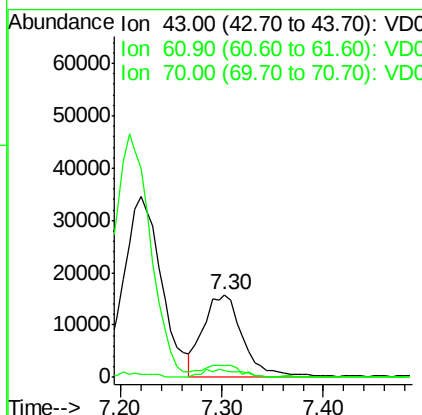
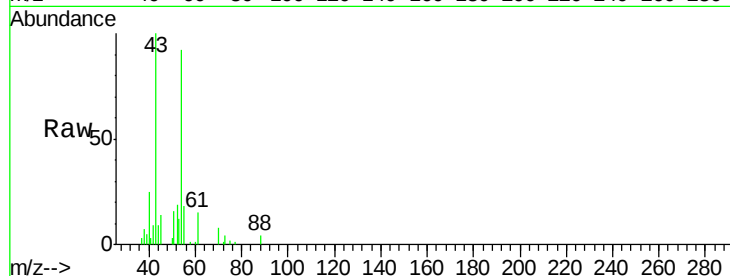




#37
Ethyl Acetate
Concen: 18.654 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064636.D
Acq: 27 Dec 2019 11:05

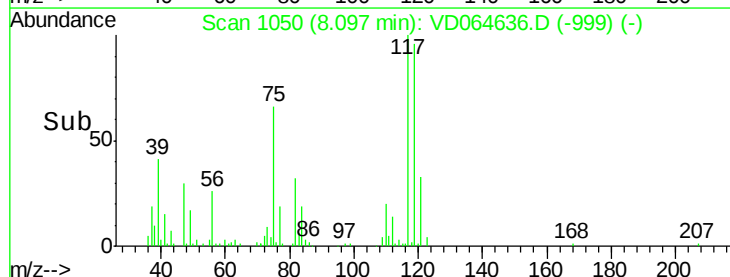
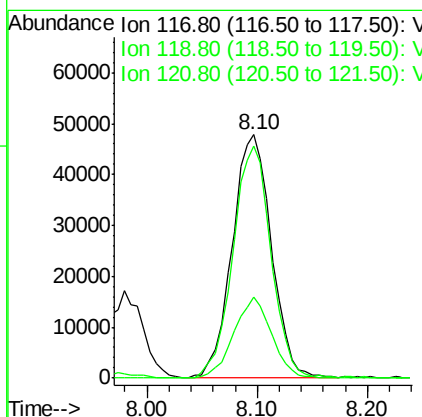
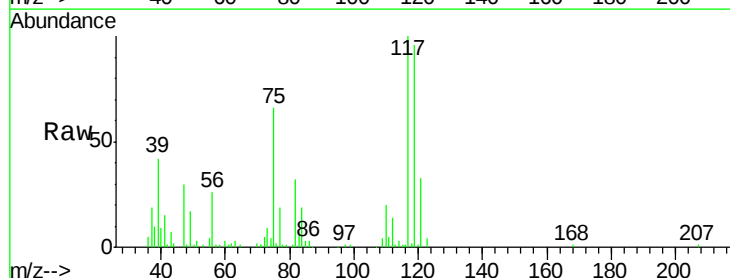
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

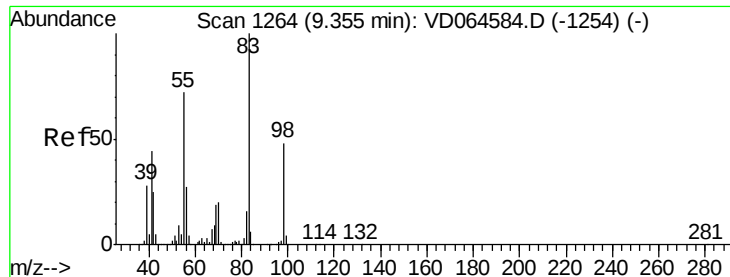
Tgt Ion: 43 Resp: 41957
Ion Ratio Lower Upper
43 100
61 14.6 10.3 15.5
70 9.3 7.6 11.4



#38
Carbon Tetrachloride
Concen: 19.558 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064636.D
Acq: 27 Dec 2019 11:05

Tgt Ion: 117 Resp: 119400
Ion Ratio Lower Upper
117 100
119 95.2 77.3 115.9
121 33.0 25.0 37.6

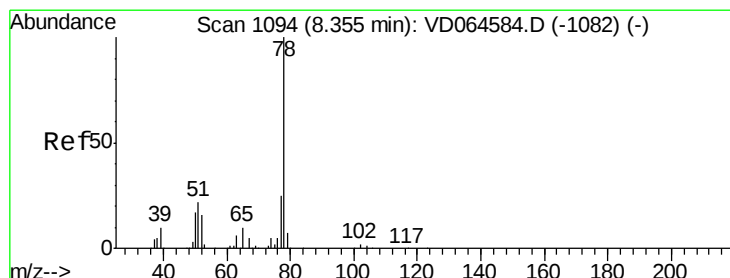
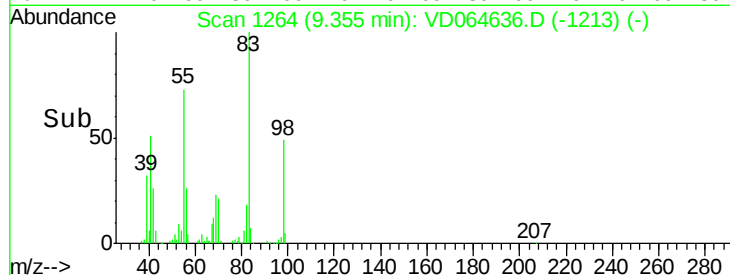
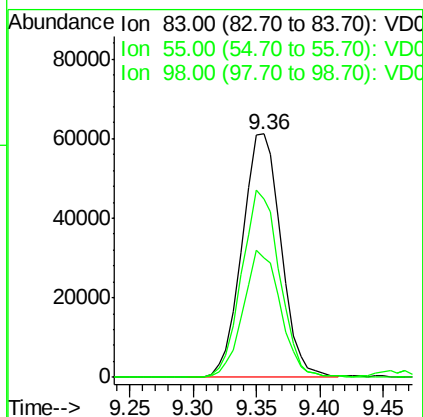
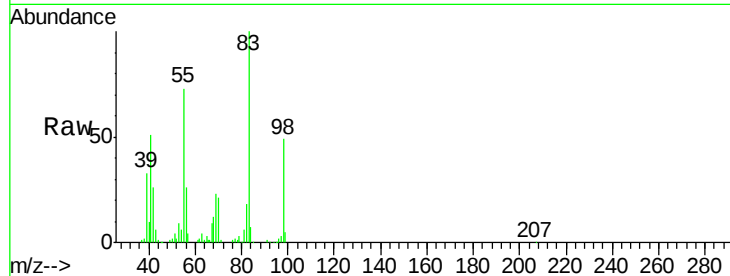




#39
Methylcyclohexane
Concen: 18.873 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064636.D
Acq: 27 Dec 2019 11:05

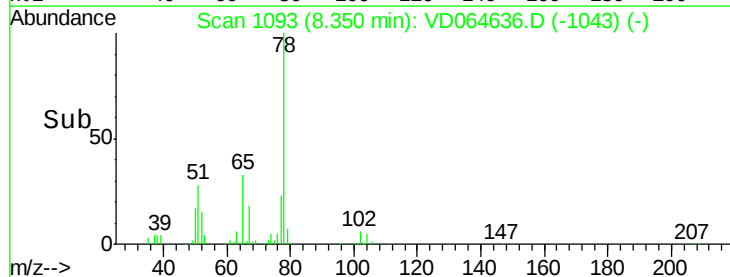
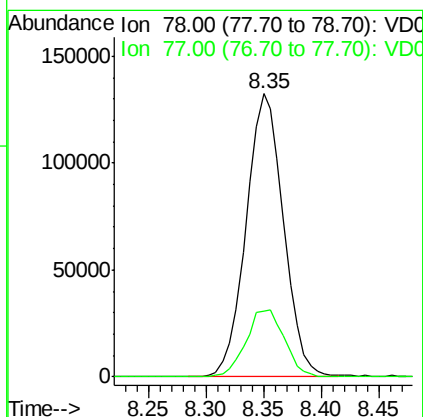
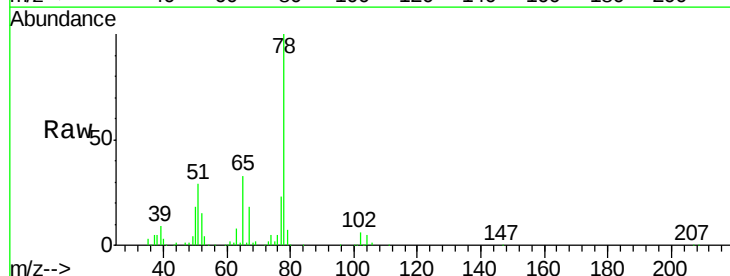
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

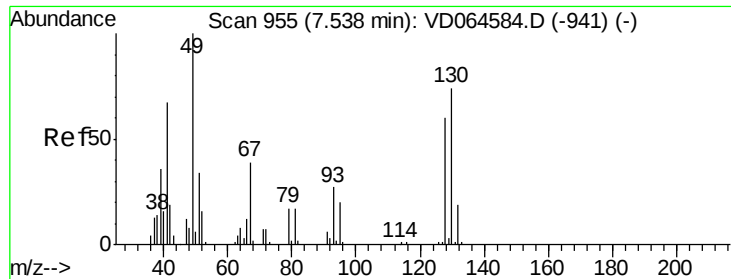
Tgt Ion: 83 Resp: 130872
Ion Ratio Lower Upper
83 100
55 73.5 57.8 86.6
98 49.3 38.7 58.1



#40
Benzene
Concen: 19.088 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064636.D
Acq: 27 Dec 2019 11:05

Tgt Ion: 78 Resp: 298346
Ion Ratio Lower Upper
78 100
77 23.3 19.9 29.9

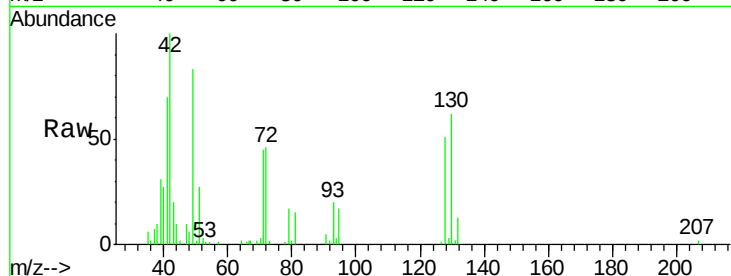




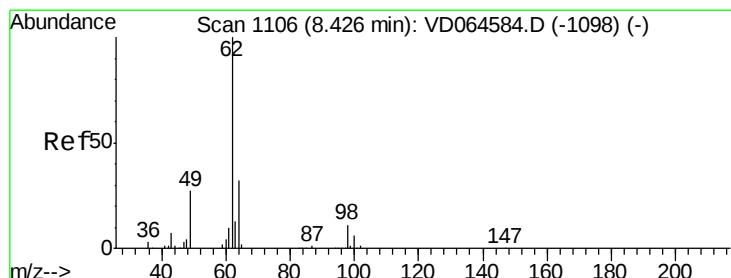
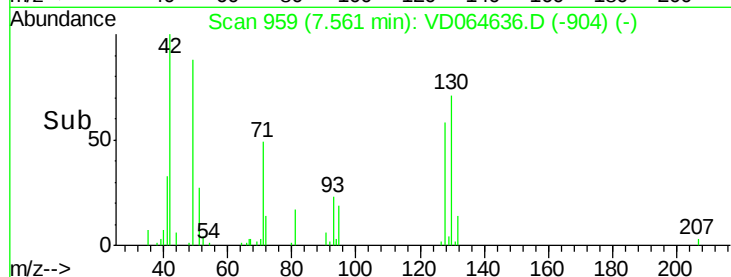
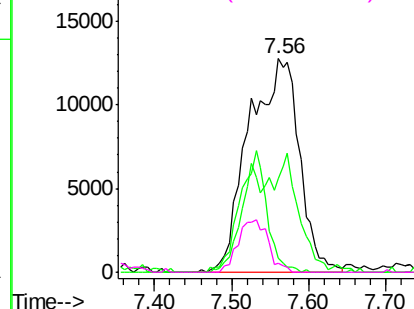
#41
Methacrylonitrile
Concen: 44.550 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.02 min
Lab File: VD064636.D
Acq: 27 Dec 2019 11:05

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

Tgt Ion: 41 Resp: 58138
Ion Ratio Lower Upper
41 100
39 22.6 46.7 70.1#
67 0.0 52.5 78.7#
52 0.0 24.1 36.1#

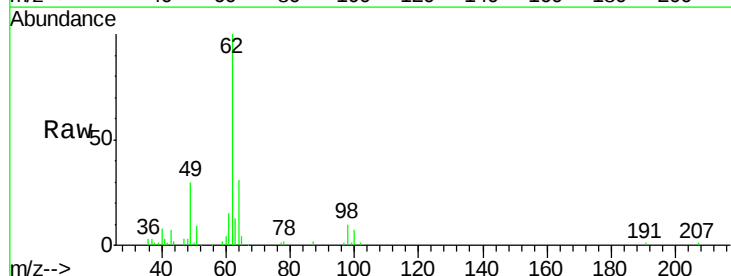


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

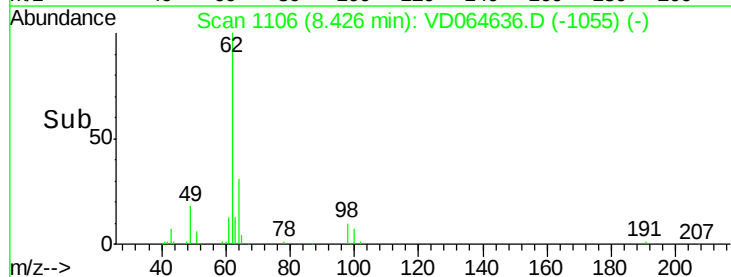
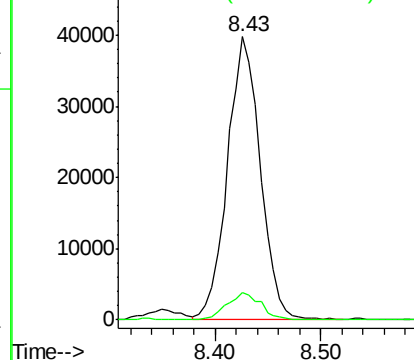


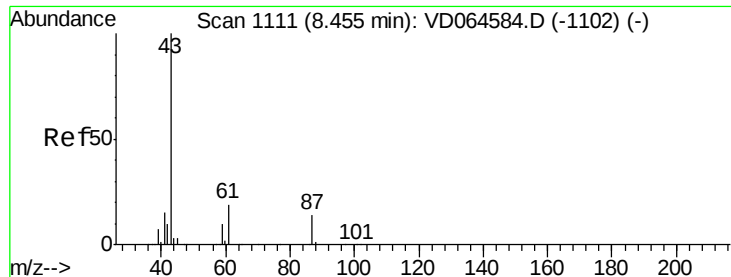
#42
1,2-Dichloroethane
Concen: 18.953 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD064636.D
Acq: 27 Dec 2019 11:05

Tgt Ion: 62 Resp: 85601
Ion Ratio Lower Upper
62 100
98 9.8 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: 17.973 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064636.D

Acq: 27 Dec 2019 11:05

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

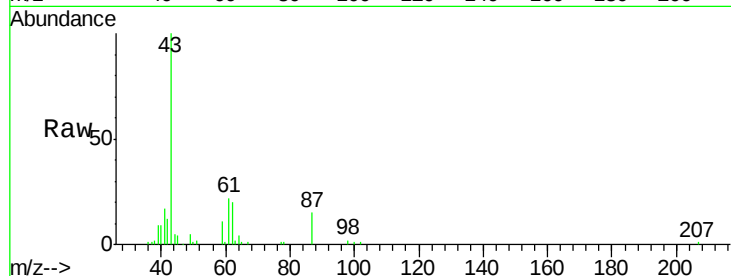
Tgt Ion: 43 Resp: 80463

Ion Ratio Lower Upper

43 100

61 30.1 23.7 35.5

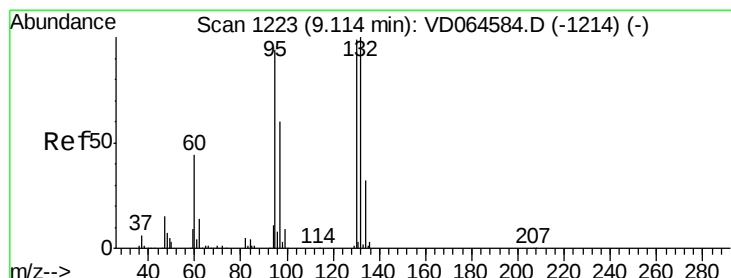
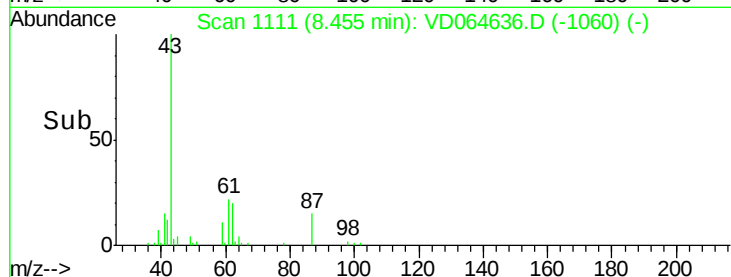
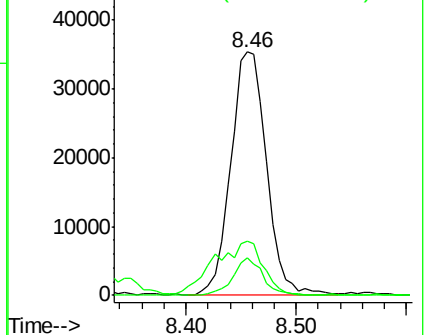
87 12.9 10.5 15.7



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: 18.784 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064636.D

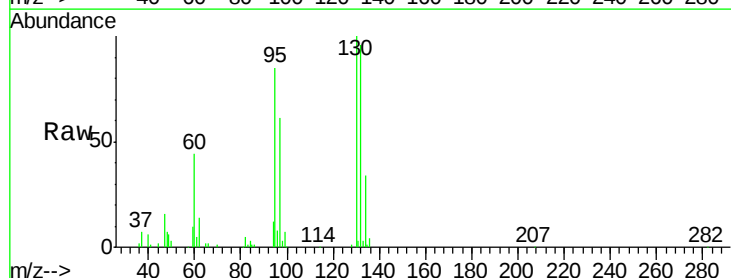
Acq: 27 Dec 2019 11:05

Tgt Ion: 130 Resp: 86248

Ion Ratio Lower Upper

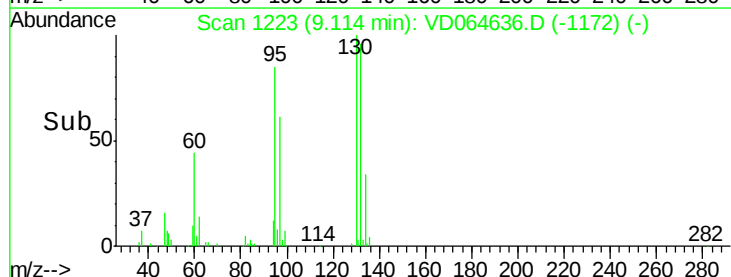
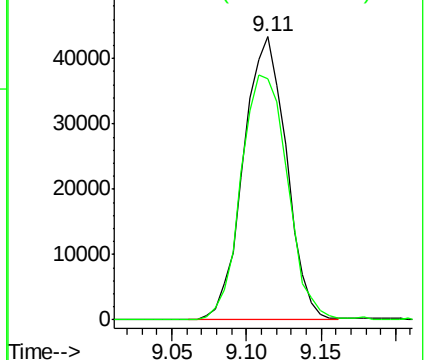
130 100

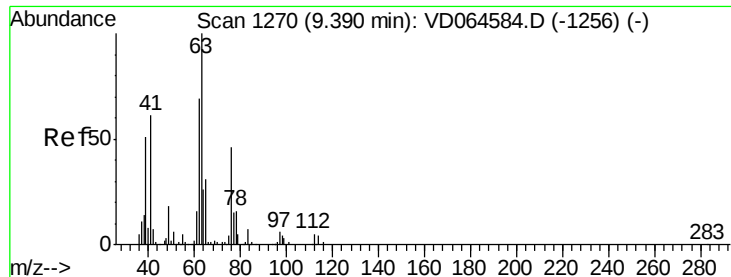
95 85.4 0.0 190.2



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

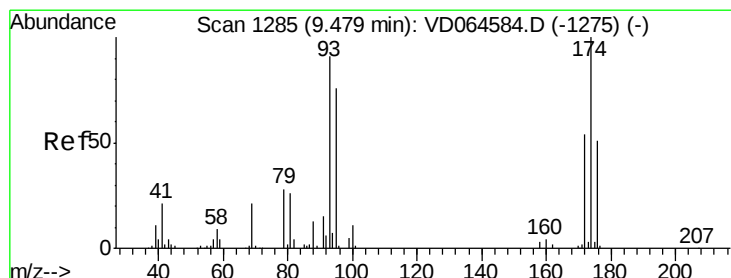
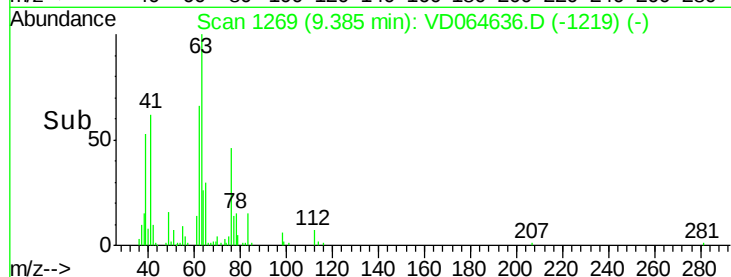
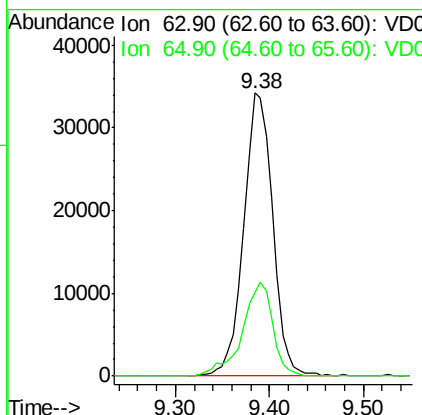
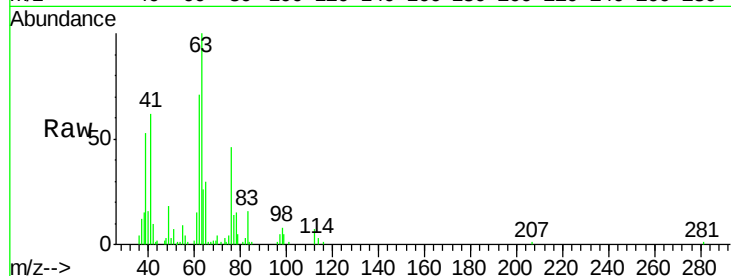




#45
 1,2-Dichloropropane
 Concen: 19.605 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD064636.D
 Acq: 27 Dec 2019 11:05

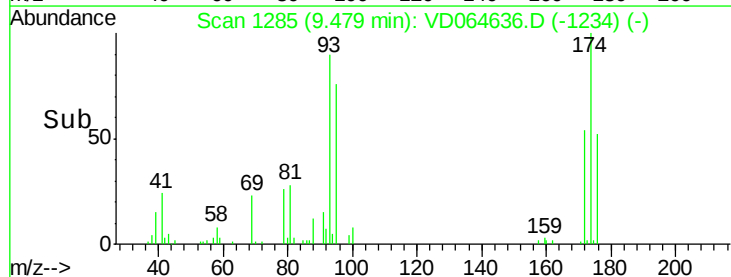
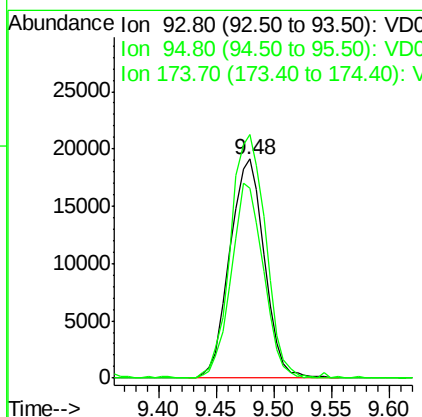
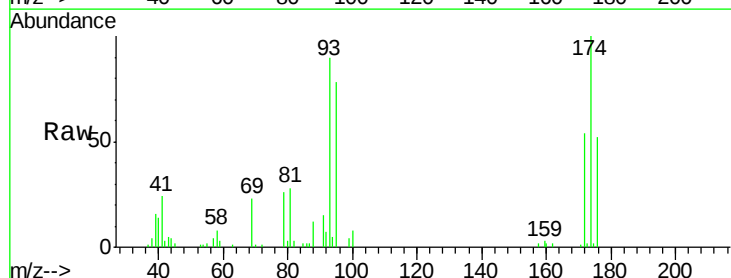
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

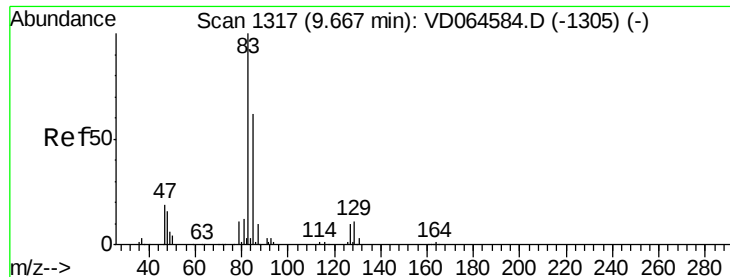
Tgt Ion: 63 Resp: 73162
 Ion Ratio Lower Upper
 63 100
 65 29.6 25.2 37.8



#46
 Dibromomethane
 Concen: 19.075 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064636.D
 Acq: 27 Dec 2019 11:05

Tgt Ion: 93 Resp: 39688
 Ion Ratio Lower Upper
 93 100
 95 83.1 64.6 97.0
 174 112.6 88.1 132.1





#47

Bromodichloromethane

Concen: 18.904 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064636.D

Acq: 27 Dec 2019 11:05

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

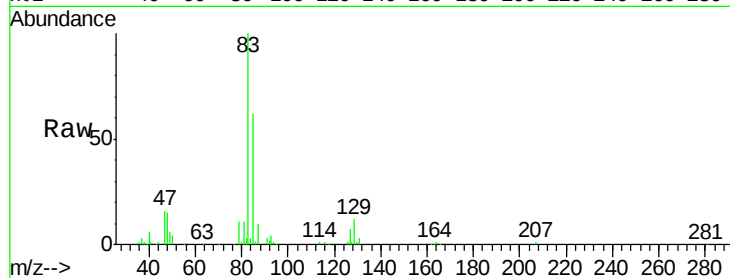
Tgt Ion: 83 Resp: 104661

Ion Ratio Lower Upper

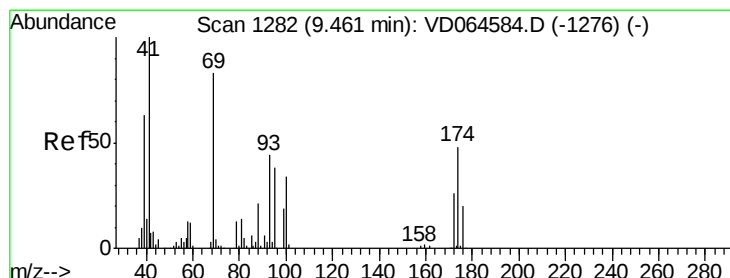
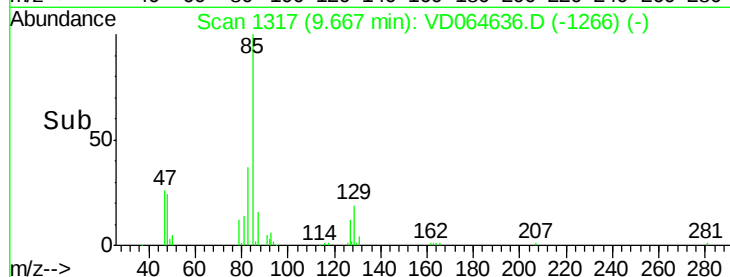
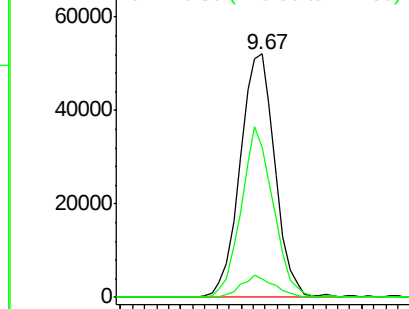
83 100

85 61.7 49.5 74.3

127 7.5 7.8 11.6#



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



#48

Methyl methacrylate

Concen: 18.681 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064636.D

Acq: 27 Dec 2019 11:05

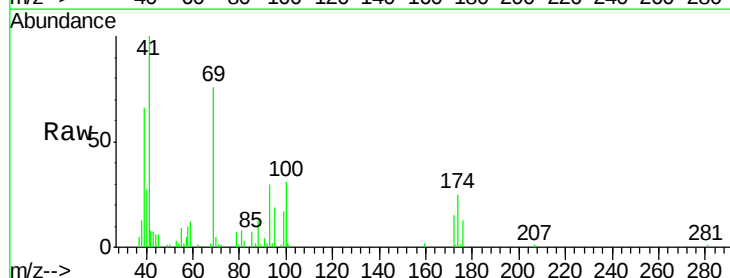
Tgt Ion: 41 Resp: 39378

Ion Ratio Lower Upper

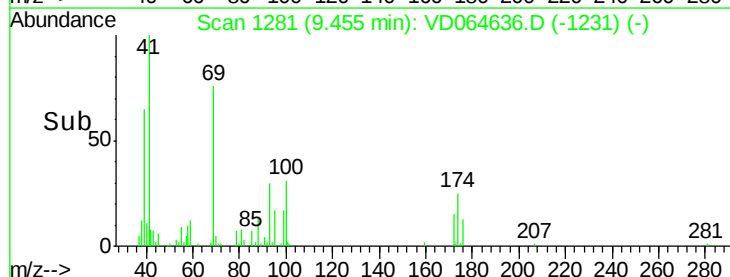
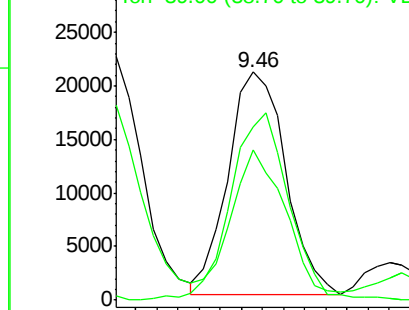
41 100

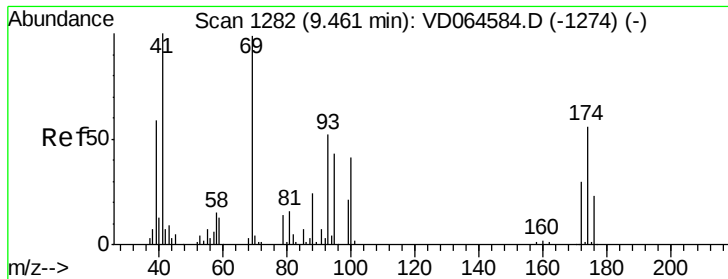
69 85.4 63.0 94.6

39 57.5 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

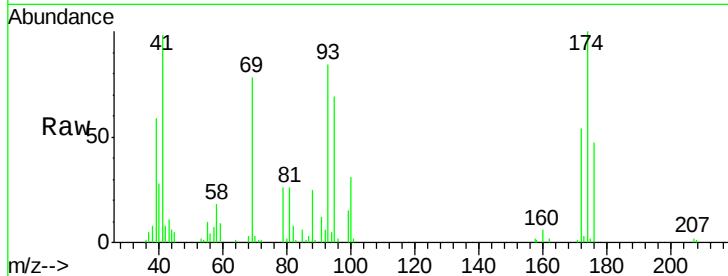




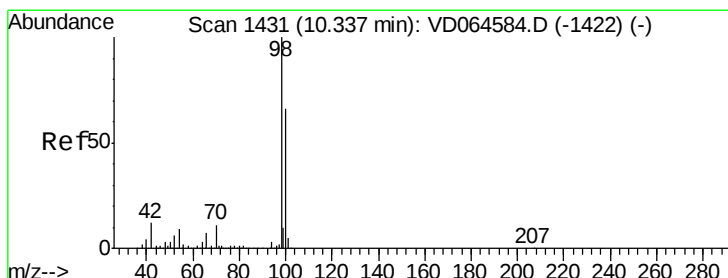
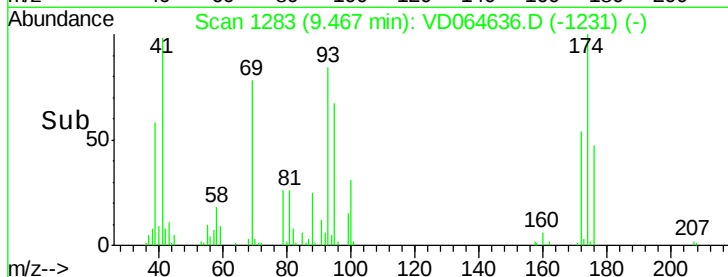
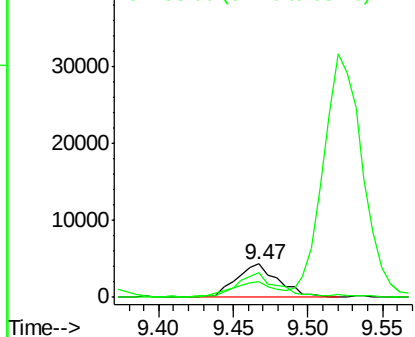
#49
1,4-Dioxane
Concen: 355.388 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064636.D
Acq: 27 Dec 2019 11:05

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

Tgt Ion: 88 Resp: 8526
Ion Ratio Lower Upper
88 100
43 46.9 27.7 41.5#
58 71.1 53.8 80.6

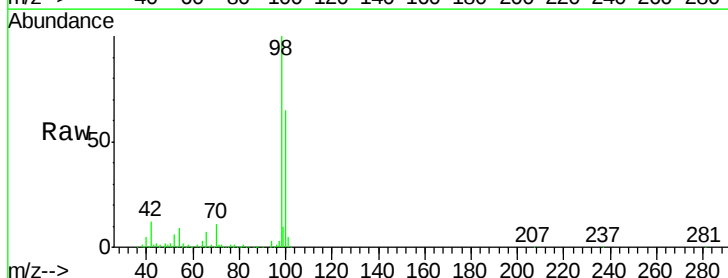


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

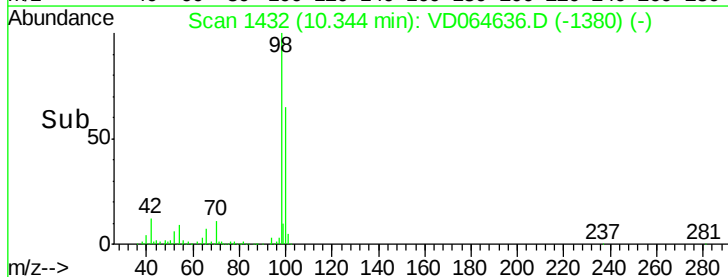
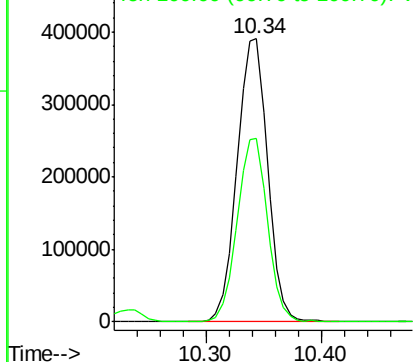


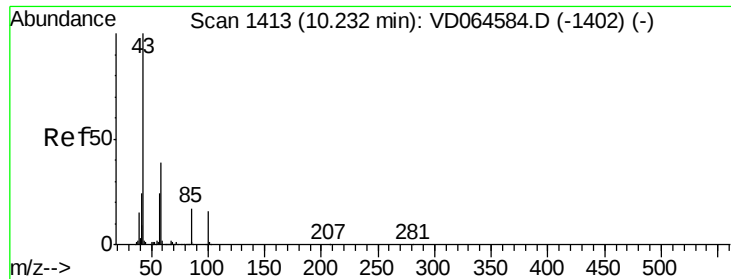
#50
Toluene-d8
Concen: 51.307 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064636.D
Acq: 27 Dec 2019 11:05

Tgt Ion: 98 Resp: 717128
Ion Ratio Lower Upper
98 100
100 64.7 51.7 77.5



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

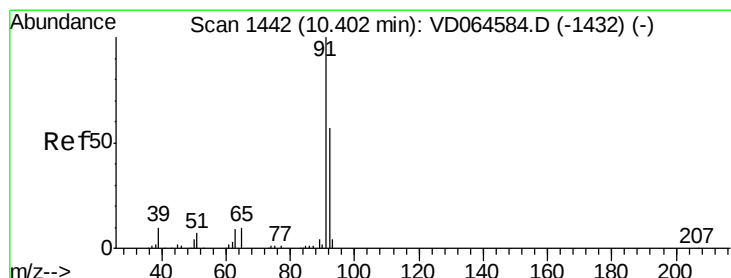
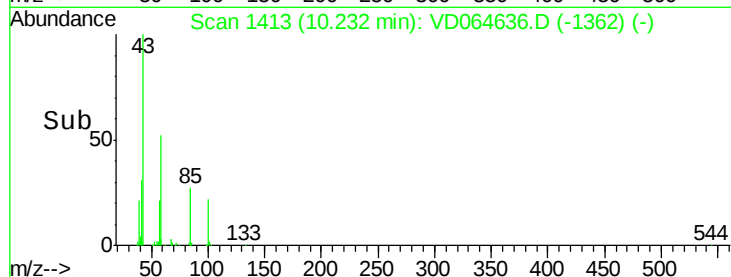
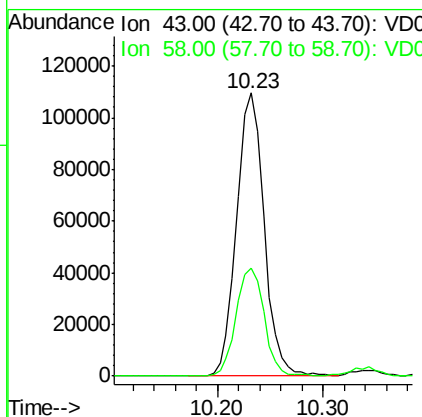
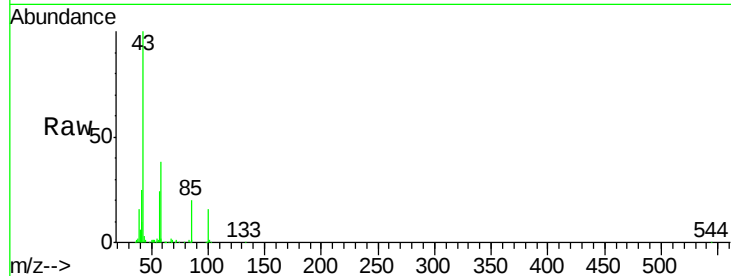




#51
 4-Methyl-2-Pentanone
 Concen: 89.643 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD064636.D
 Acq: 27 Dec 2019 11:05

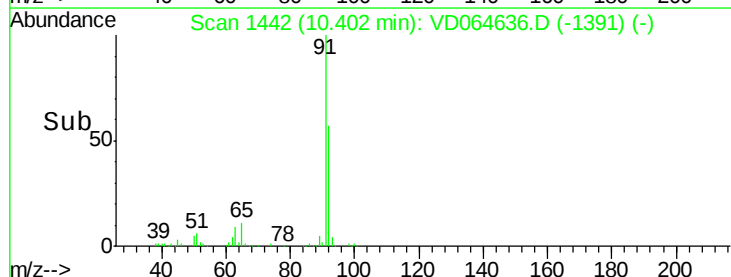
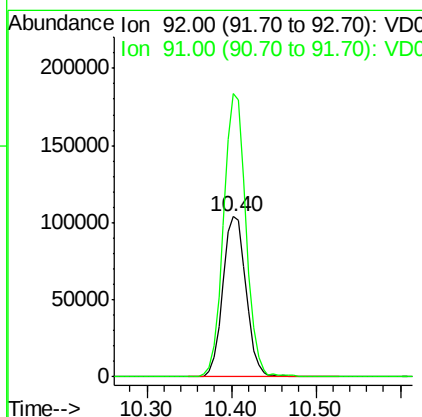
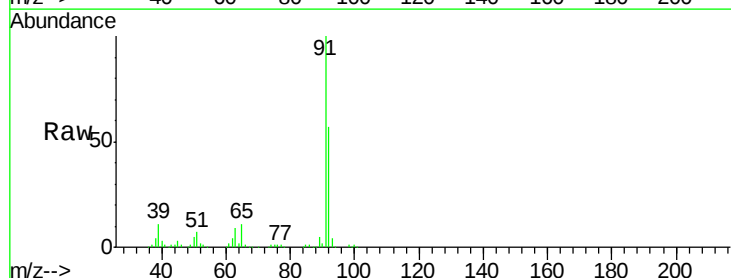
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

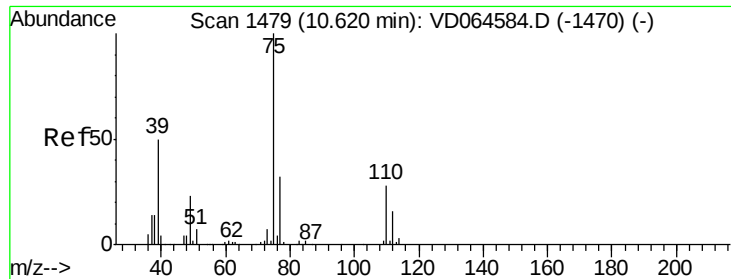
Tgt Ion: 43 Resp: 198364
 Ion Ratio Lower Upper
 43 100
 58 38.9 30.2 45.2



#52
 Toluene
 Concen: 19.220 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VD064636.D
 Acq: 27 Dec 2019 11:05

Tgt Ion: 92 Resp: 197083
 Ion Ratio Lower Upper
 92 100
 91 170.0 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 18.583 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD064636.D

Acq: 27 Dec 2019 11:05

Instrument :

MSVOA_D

ClientSampleId :

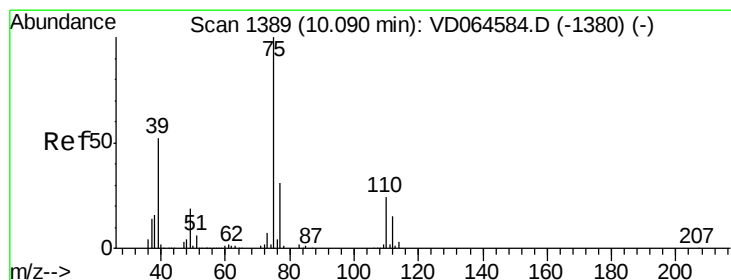
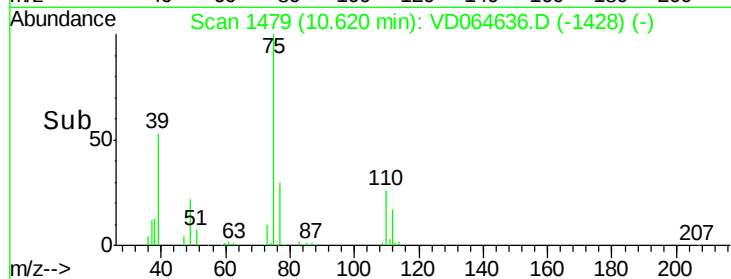
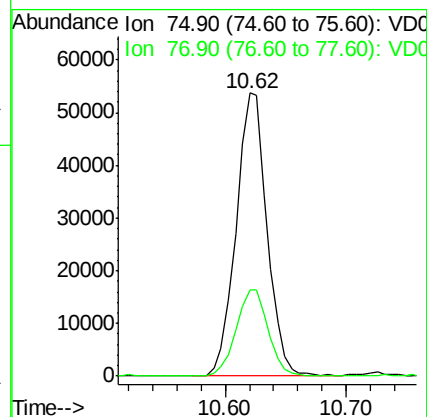
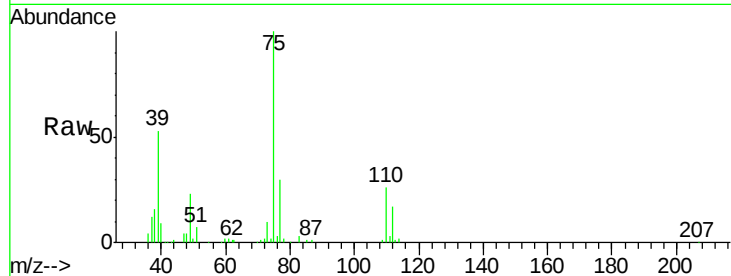
VD1227SBS01

Tgt Ion: 75 Resp: 95920

Ion Ratio Lower Upper

75 100

77 30.4 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 19.079 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064636.D

Acq: 27 Dec 2019 11:05

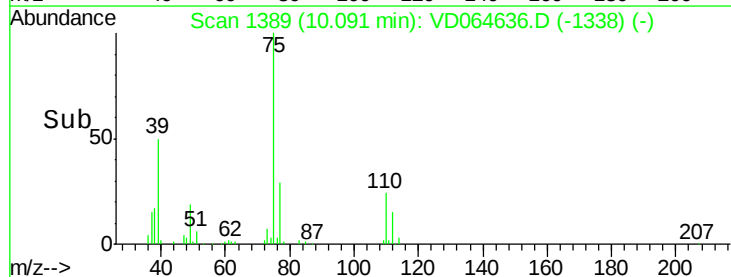
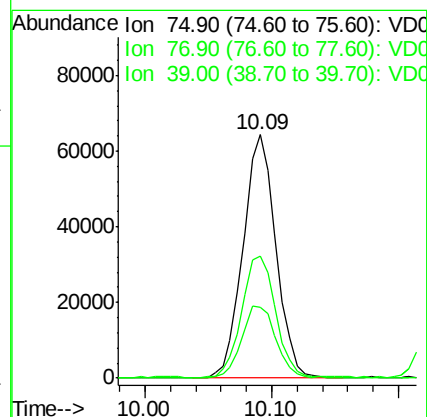
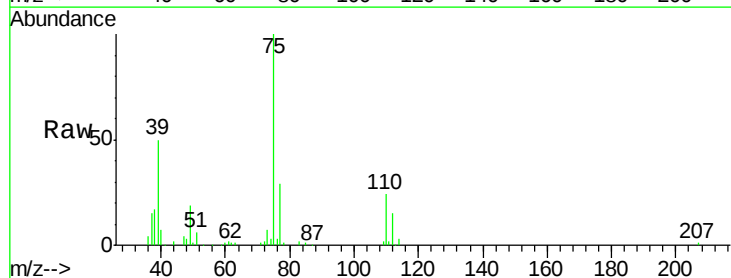
Tgt Ion: 75 Resp: 116121

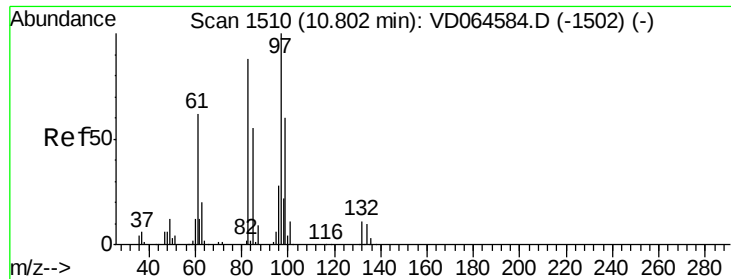
Ion Ratio Lower Upper

75 100

77 29.1 24.6 36.8

39 49.9 41.4 62.2

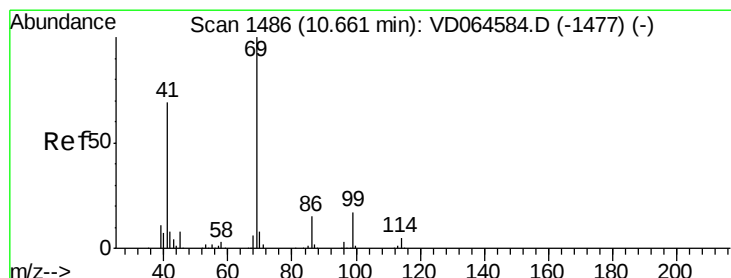
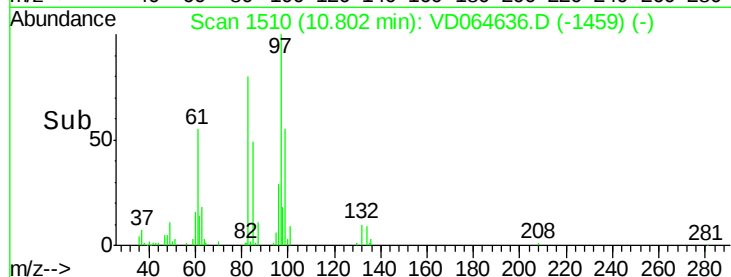
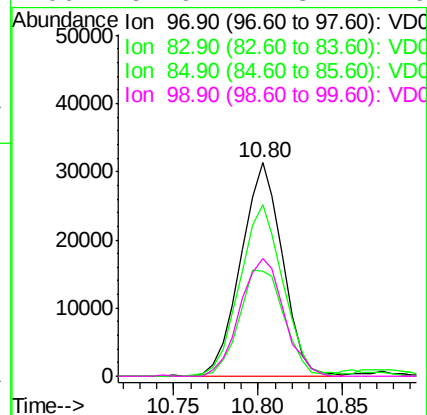
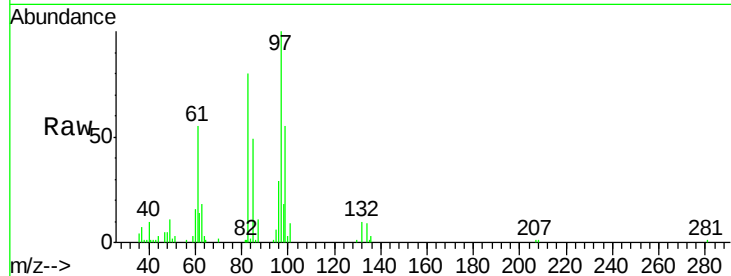




#55
 1,1,2-Trichloroethane
 Concen: 19.196 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064636.D
 Acq: 27 Dec 2019 11:05

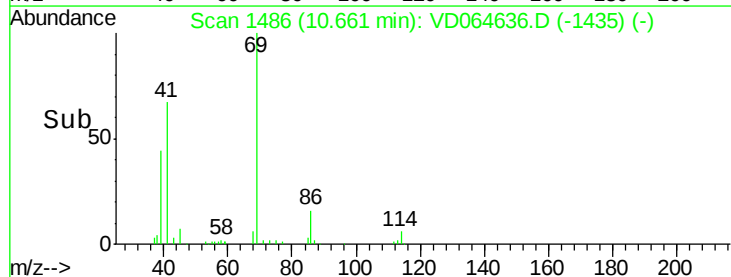
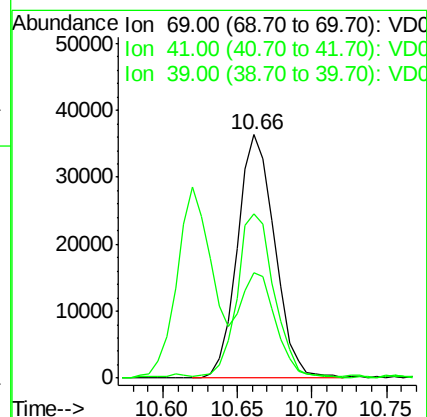
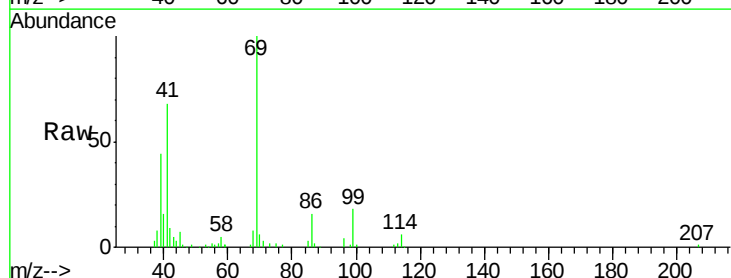
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

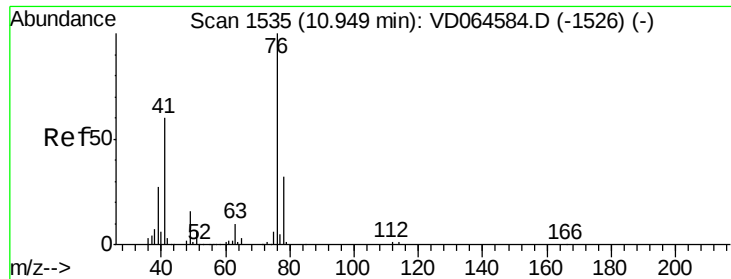
Tgt Ion: 97 Resp: 53825
 Ion Ratio Lower Upper
 97 100
 83 79.6 70.2 105.4
 85 49.1 44.0 66.0
 99 54.9 47.8 71.6



#56
 Ethyl methacrylate
 Concen: 18.104 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064636.D
 Acq: 27 Dec 2019 11:05

Tgt Ion: 69 Resp: 63396
 Ion Ratio Lower Upper
 69 100
 41 67.4 55.3 82.9
 39 41.1 33.8 50.8

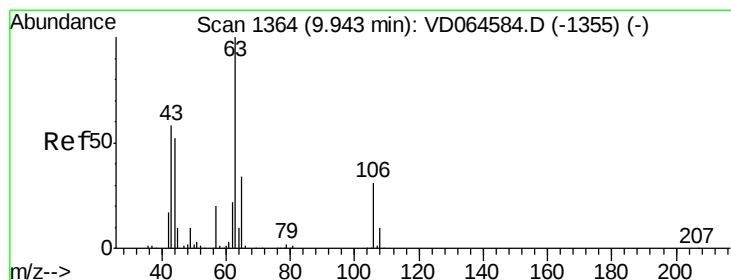
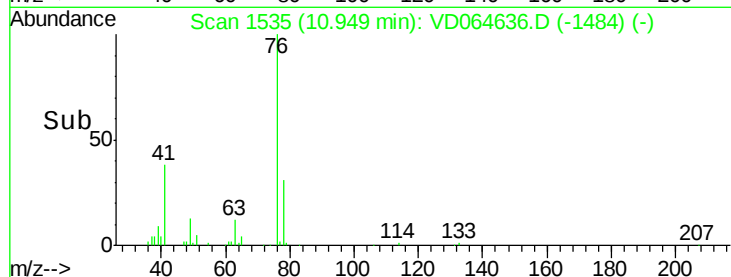
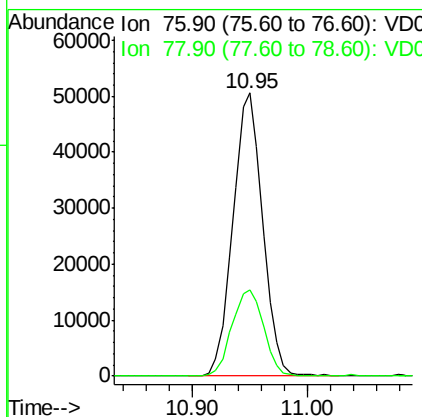
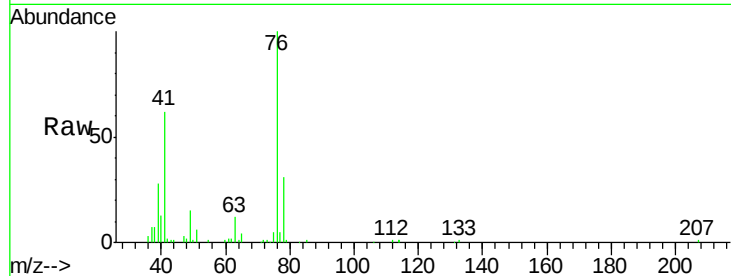




#57
 1,3-Dichloropropane
 Concen: 18.653 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064636.D
 Acq: 27 Dec 2019 11:05

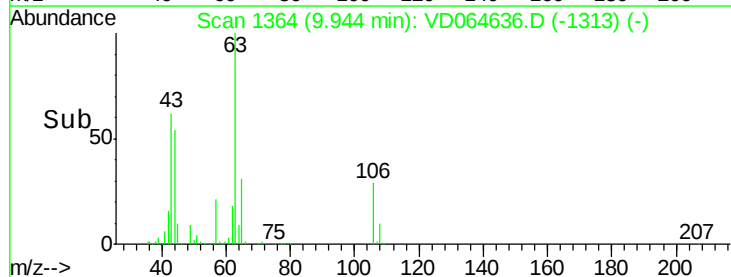
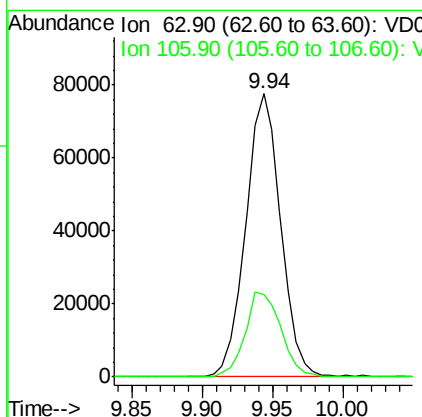
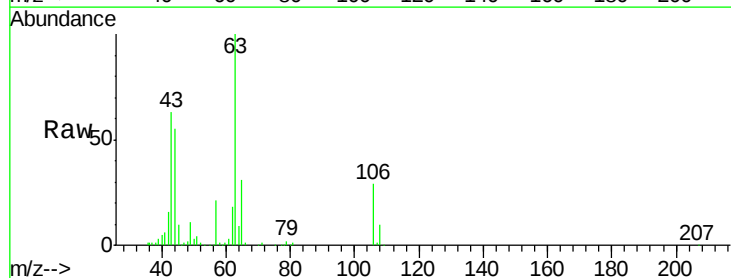
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

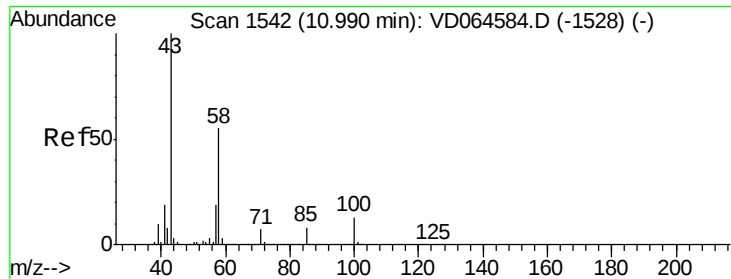
Tgt Ion: 76 Resp: 90055
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.046 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064636.D
 Acq: 27 Dec 2019 11:05

Tgt Ion: 63 Resp: 134811
 Ion Ratio Lower Upper
 63 100
 106 30.8 23.8 35.8

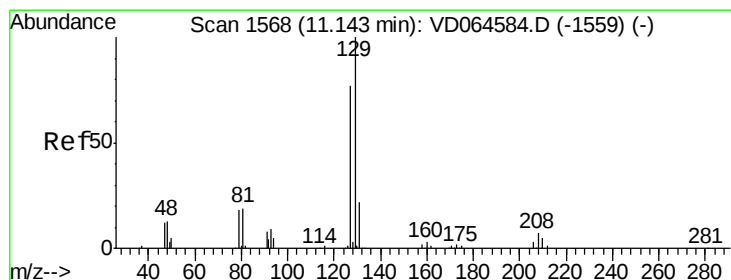
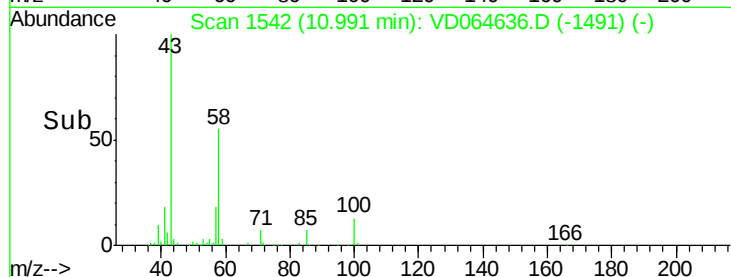
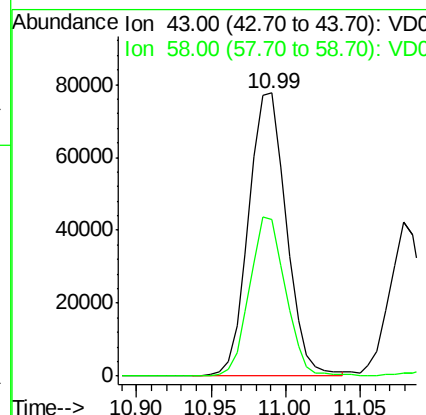
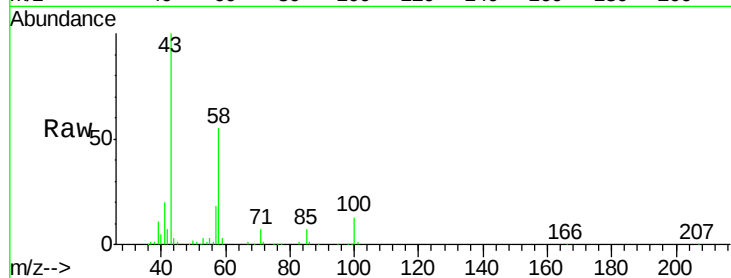




#59
2-Hexanone
Concen: 90.526 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064636.D
Acq: 27 Dec 2019 11:05

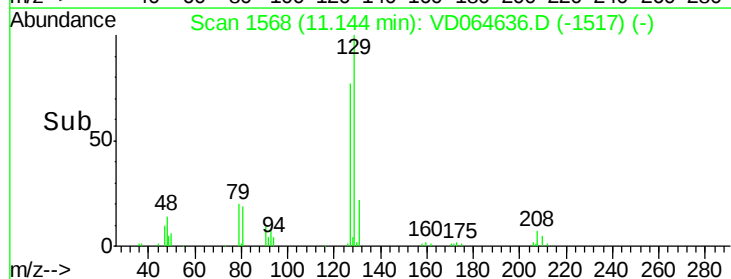
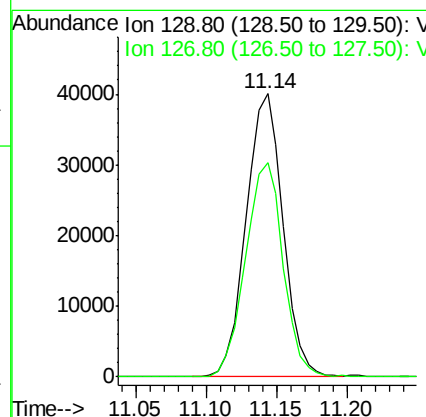
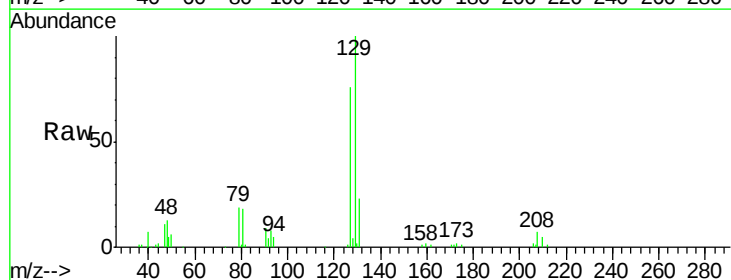
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

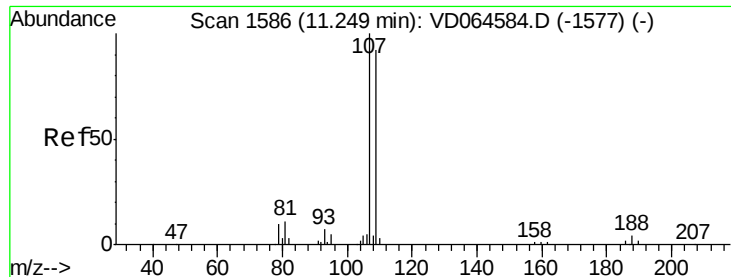
Tgt Ion: 43 Resp: 135961
Ion Ratio Lower Upper
43 100
58 53.8 26.4 79.0



#60
Dibromochloromethane
Concen: 18.913 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064636.D
Acq: 27 Dec 2019 11:05

Tgt Ion: 129 Resp: 73335
Ion Ratio Lower Upper
129 100
127 77.1 38.4 115.2

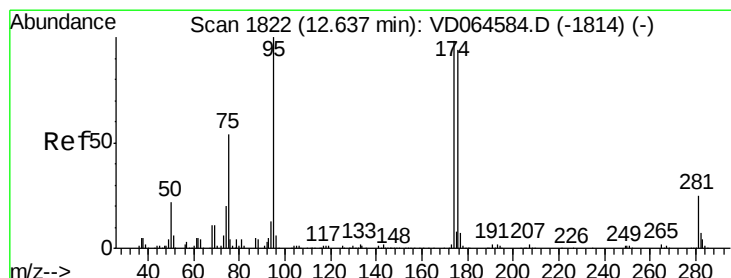
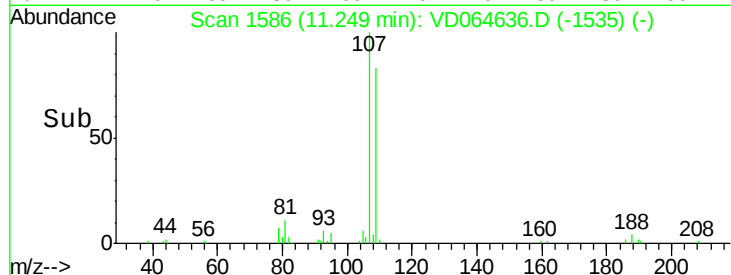
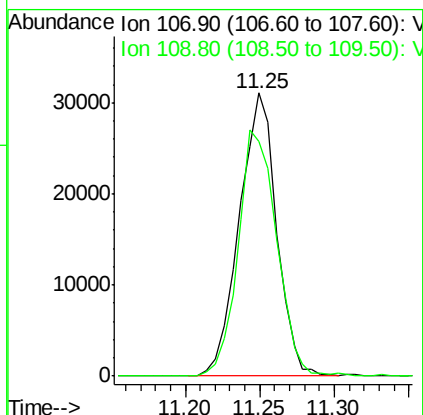
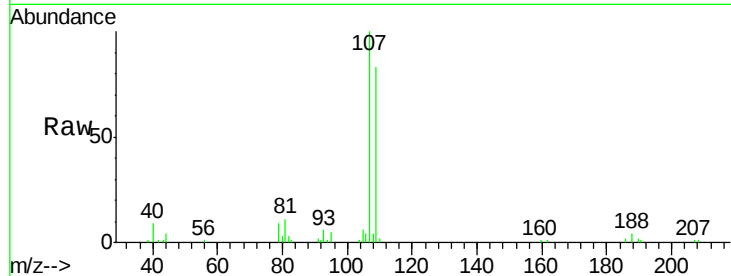




#61
1,2-Dibromoethane
Concen: 19.413 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VD064636.D
Acq: 27 Dec 2019 11:05

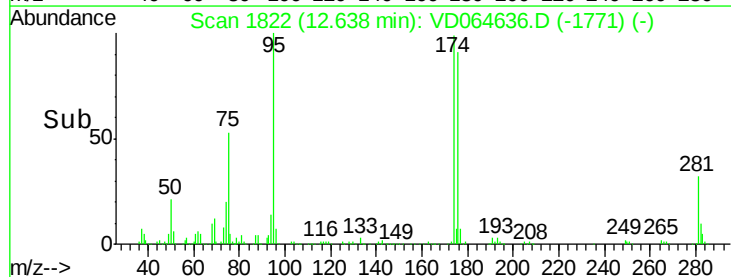
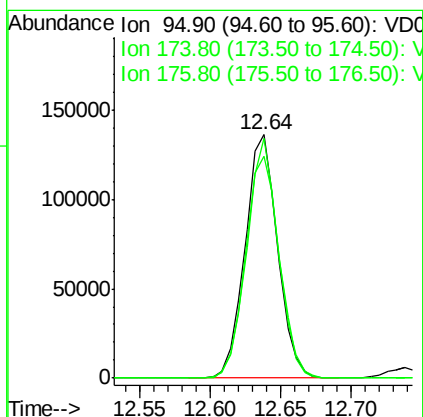
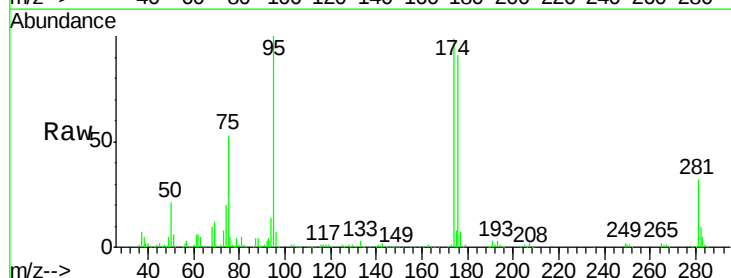
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

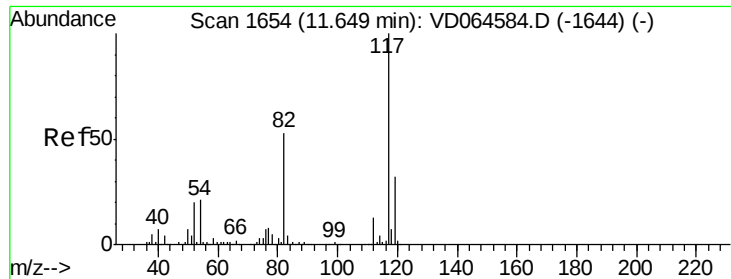
Tgt Ion: 107 Resp: 53689
Ion Ratio Lower Upper
107 100
109 89.9 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 50.037 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064636.D
Acq: 27 Dec 2019 11:05

Tgt Ion: 95 Resp: 221150
Ion Ratio Lower Upper
95 100
174 96.1 0.0 193.2
176 93.7 0.0 184.2

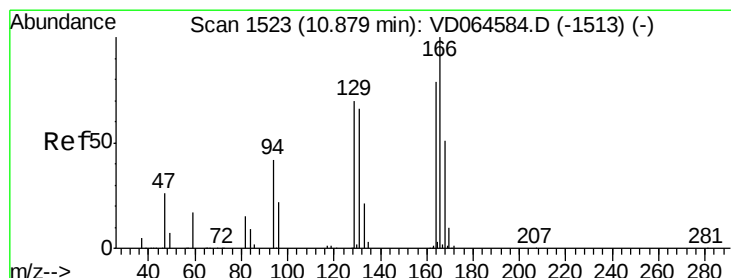
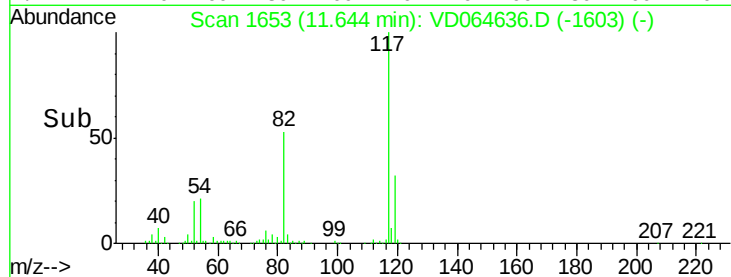
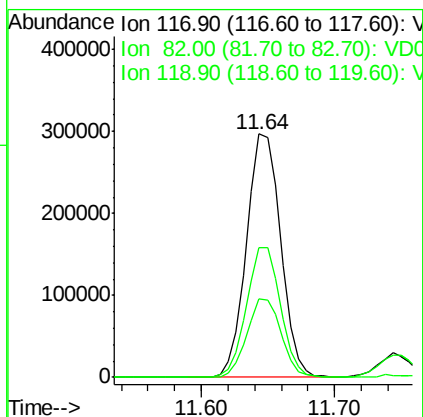
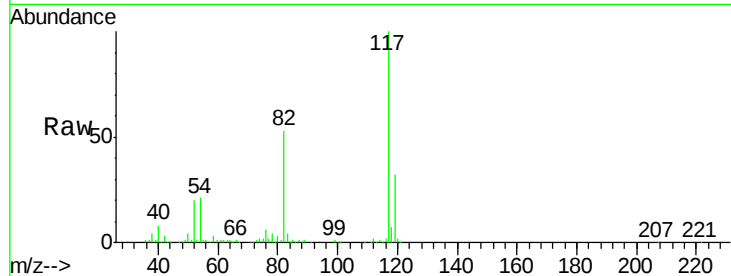




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.01 min
Lab File: VD064636.D
Acq: 27 Dec 2019 11:05

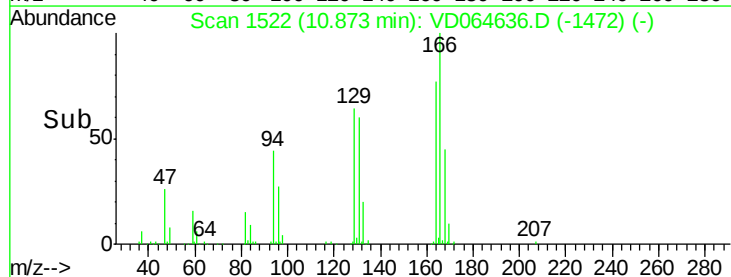
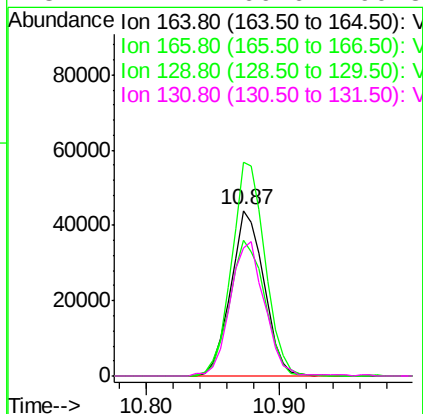
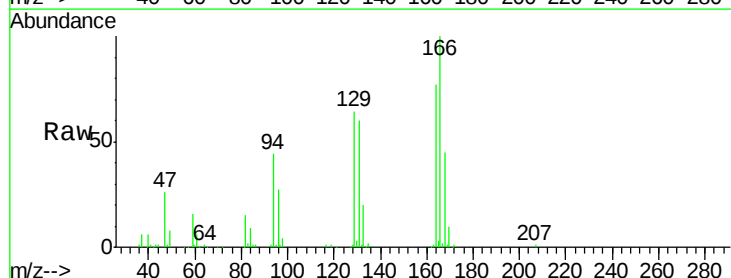
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

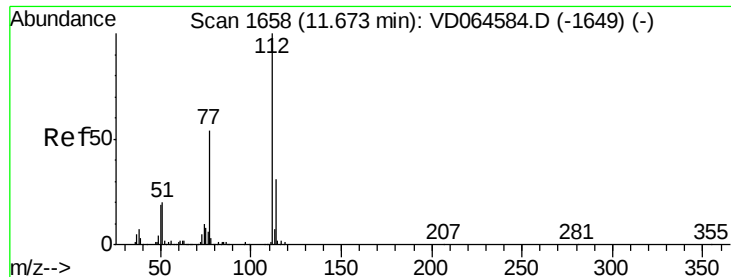
Tgt Ion:117 Resp: 525231
Ion Ratio Lower Upper
117 100
82 53.2 42.2 63.4
119 32.3 26.0 39.0



#64
Tetrachloroethene
Concen: 18.915 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064636.D
Acq: 27 Dec 2019 11:05

Tgt Ion:164 Resp: 76217
Ion Ratio Lower Upper
164 100
166 129.2 101.3 151.9
129 82.4 70.5 105.7
131 77.7 66.6 99.8

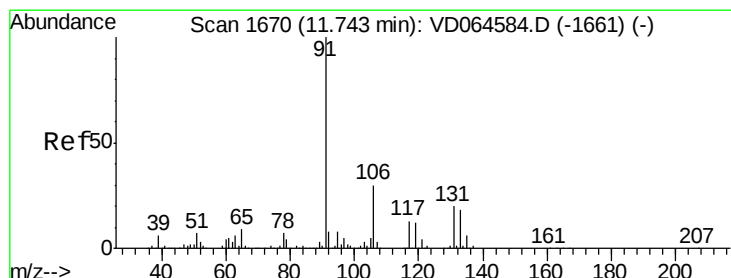
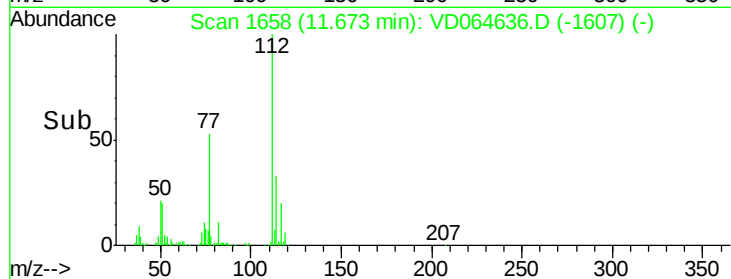
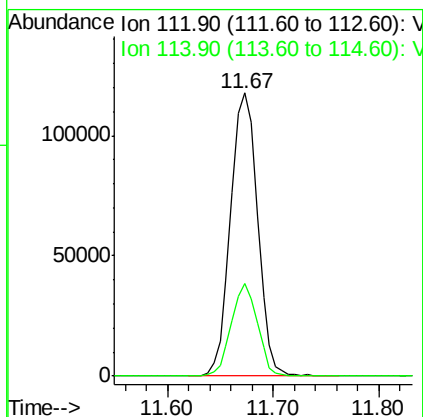
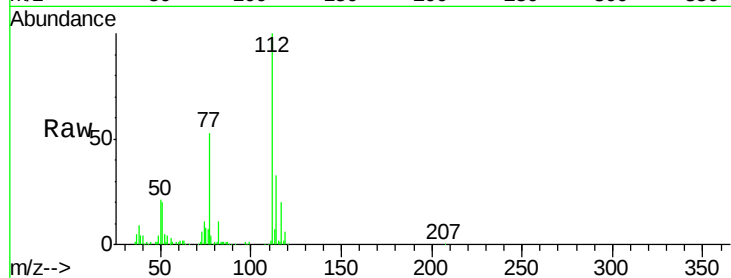




#65
Chlorobenzene
Concen: 19.142 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064636.D
Acq: 27 Dec 2019 11:05

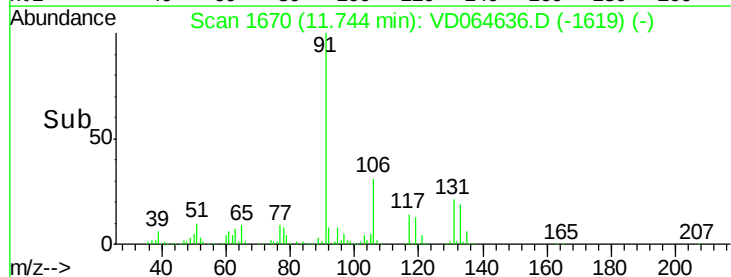
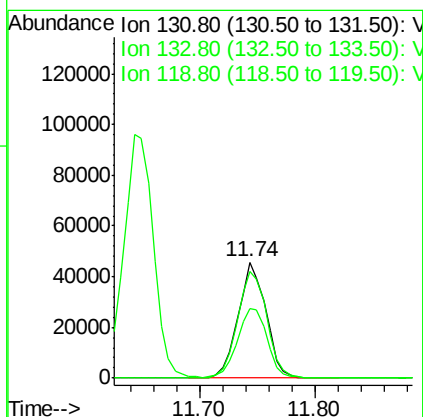
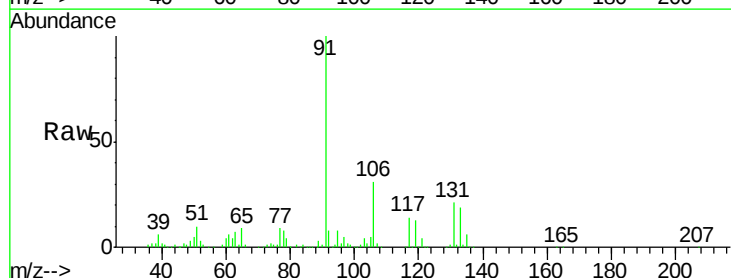
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

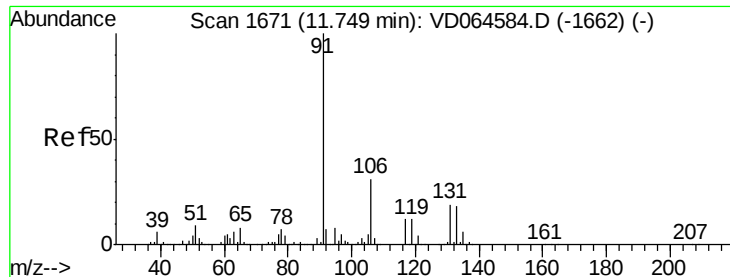
Tgt Ion:112 Resp: 208666
Ion Ratio Lower Upper
112 100
114 32.8 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 18.600 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064636.D
Acq: 27 Dec 2019 11:05

Tgt Ion:131 Resp: 76439
Ion Ratio Lower Upper
131 100
133 96.6 48.3 144.8
119 64.4 32.1 96.3





#67

Ethyl Benzene

Concen: 18.582 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064636.D

Acq: 27 Dec 2019 11:05

Instrument :

MSVOA_D

ClientSampleId :

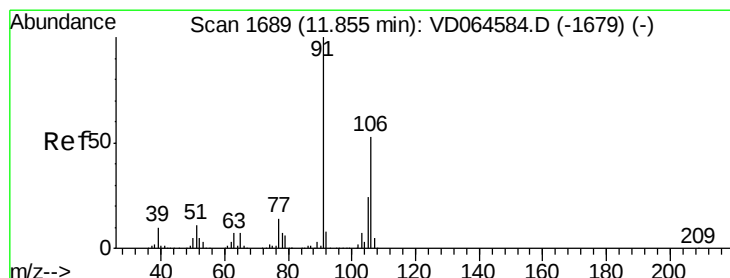
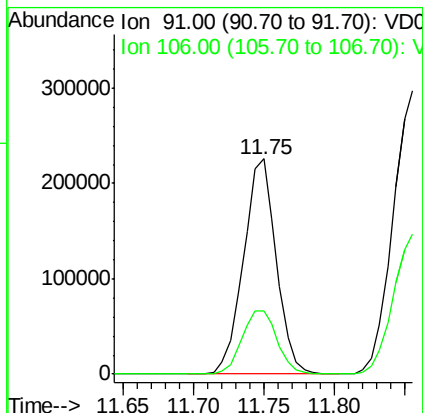
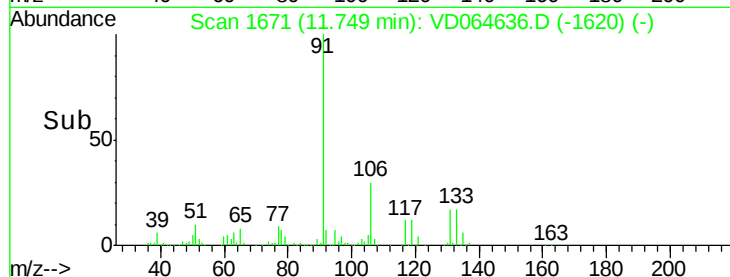
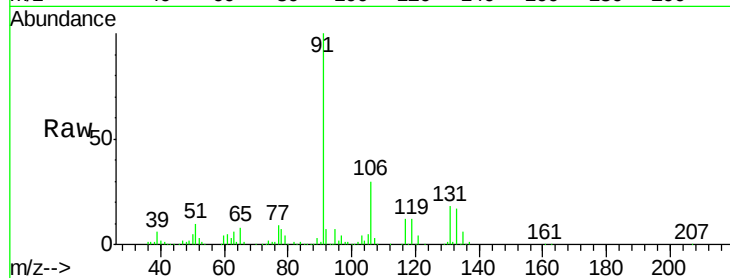
VD1227SBS01

Tgt Ion: 91 Resp: 367671

Ion Ratio Lower Upper

91 100

106 29.6 24.6 36.8



#68

m/p-Xylenes

Concen: 36.943 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064636.D

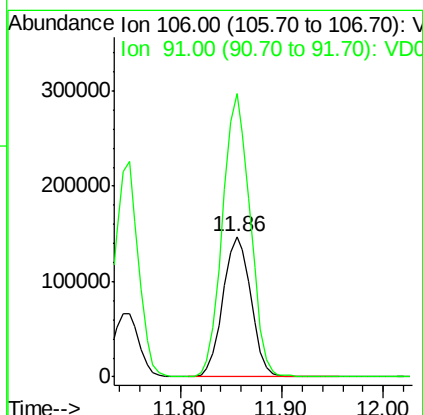
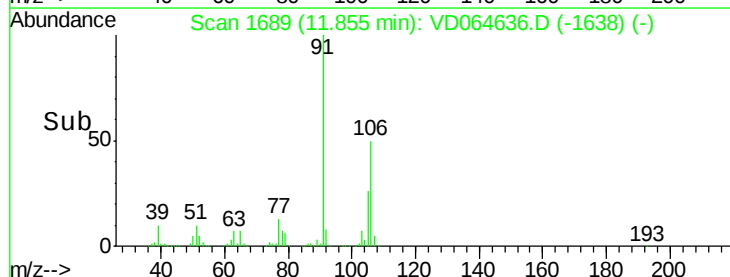
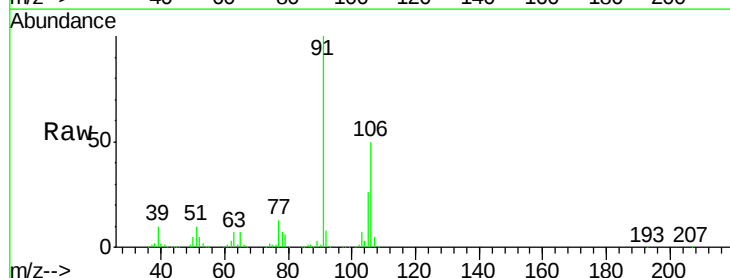
Acq: 27 Dec 2019 11:05

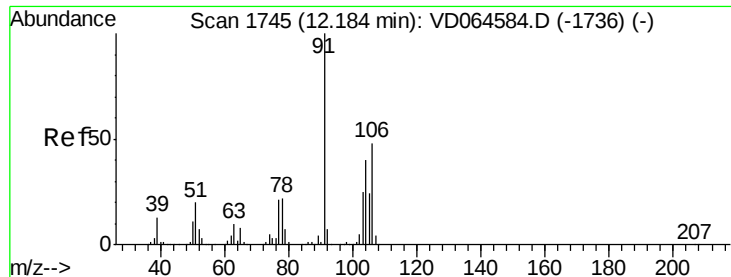
Tgt Ion: 106 Resp: 282133

Ion Ratio Lower Upper

106 100

91 198.8 156.3 234.5

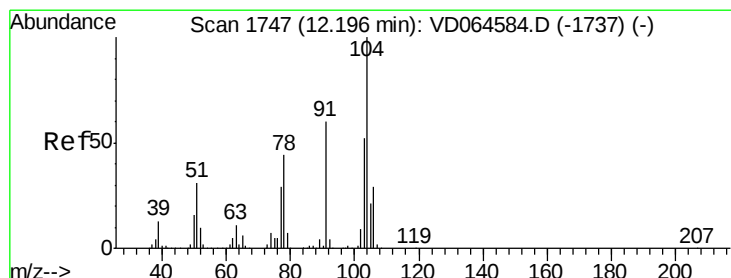
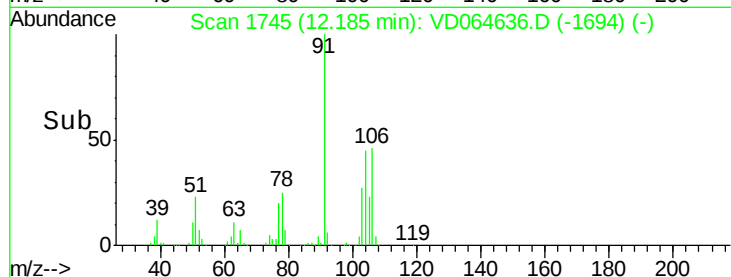
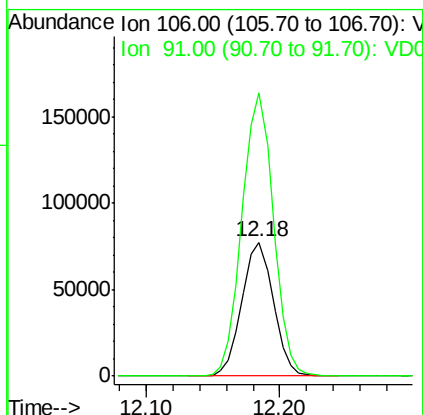
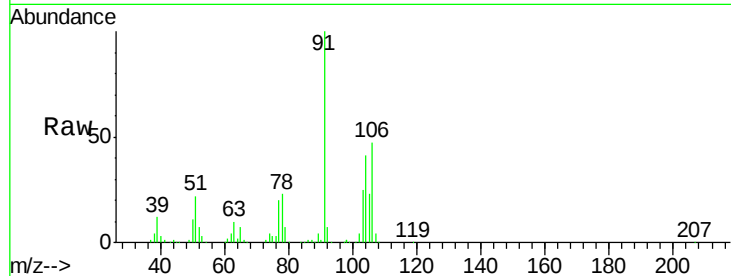




#69
o-Xylene
Concen: 18.346 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064636.D
Acq: 27 Dec 2019 11:05

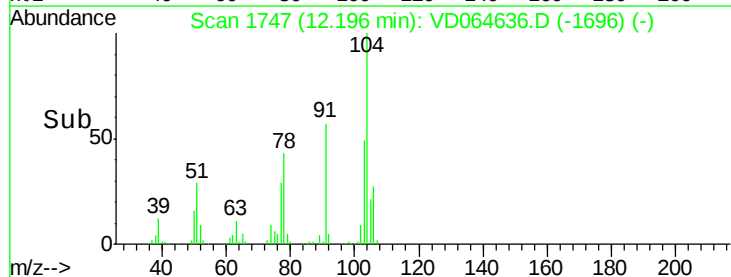
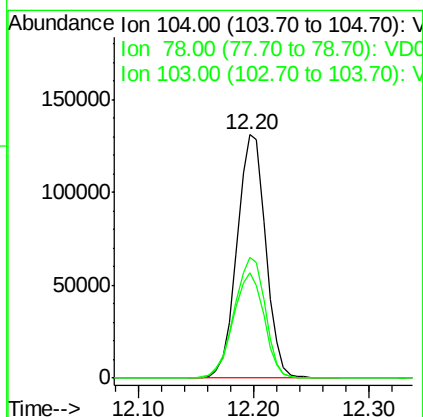
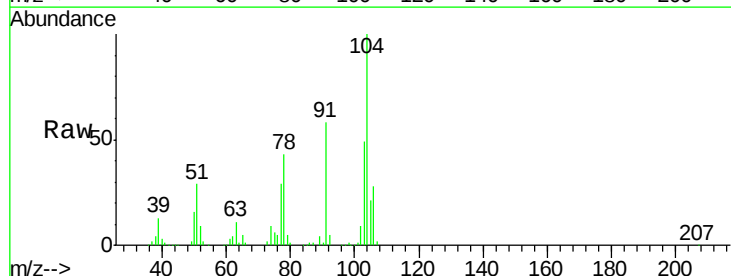
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

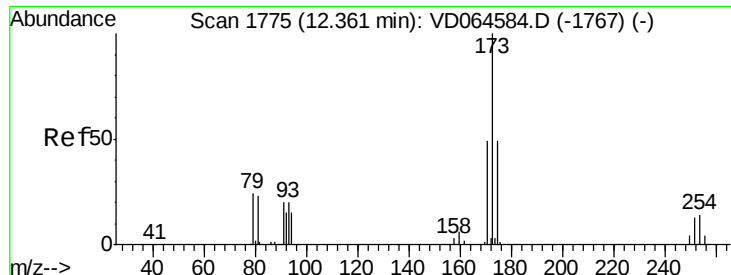
Tgt Ion:106 Resp: 126553
Ion Ratio Lower Upper
106 100
91 211.0 104.8 314.4



#70
Styrene
Concen: 18.606 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064636.D
Acq: 27 Dec 2019 11:05

Tgt Ion:104 Resp: 225290
Ion Ratio Lower Upper
104 100
78 46.9 38.2 57.2
103 53.7 44.6 67.0





#71

Bromoform

Concen: 18.776 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD064636.D

Acq: 27 Dec 2019 11:05

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

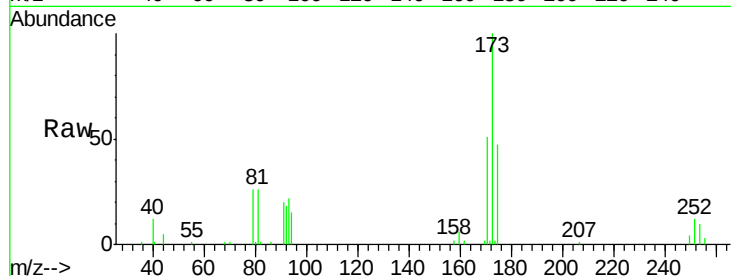
Tgt Ion:173 Resp: 44004

Ion Ratio Lower Upper

173 100

175 48.0 24.6 73.8

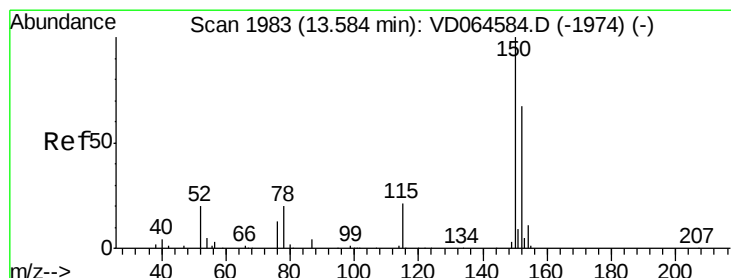
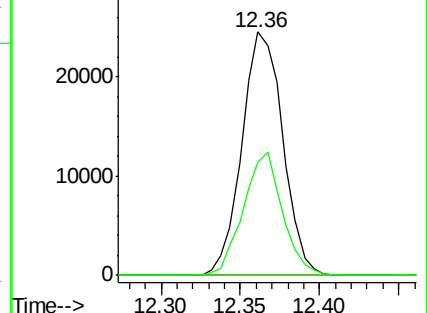
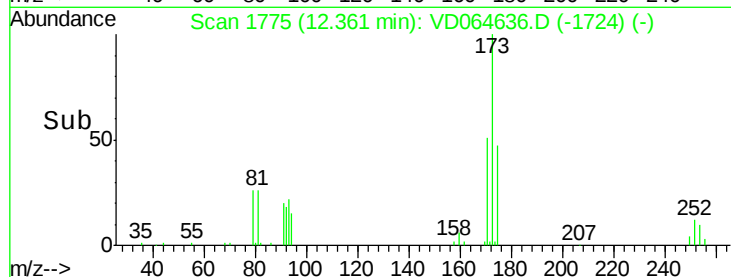
254 0.0 0.1 0.1#



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# 1982

Delta R.T. -0.01 min

Lab File: VD064636.D

Acq: 27 Dec 2019 11:05

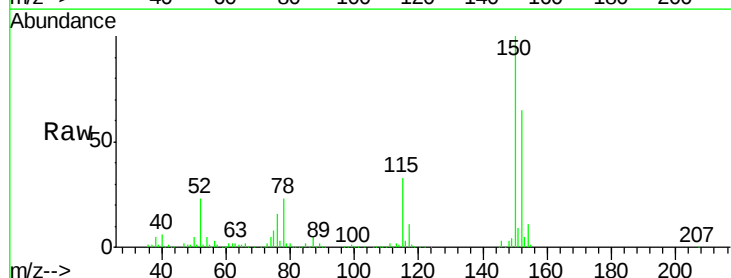
Tgt Ion:152 Resp: 250274

Ion Ratio Lower Upper

152 100

115 54.3 27.8 83.4

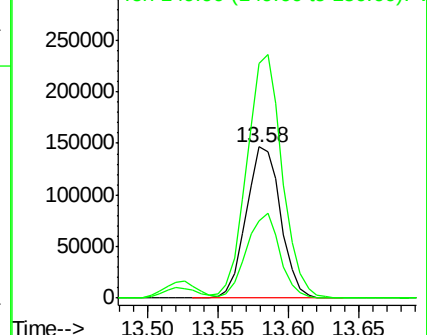
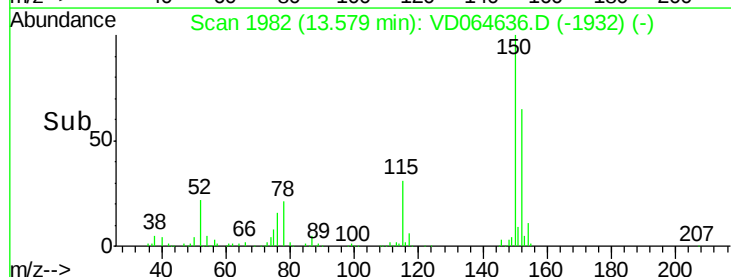
150 165.4 0.0 351.4

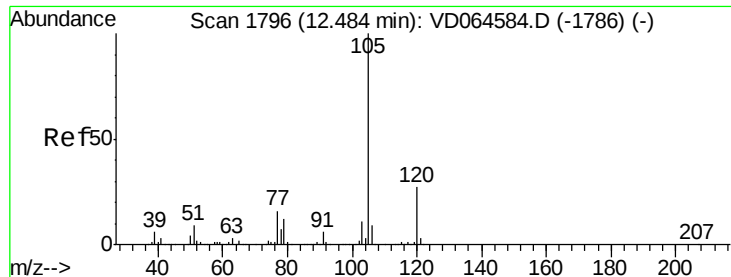


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.397 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064636.D

Acq: 27 Dec 2019 11:05

Instrument :

MSVOA_D

ClientSampleId :

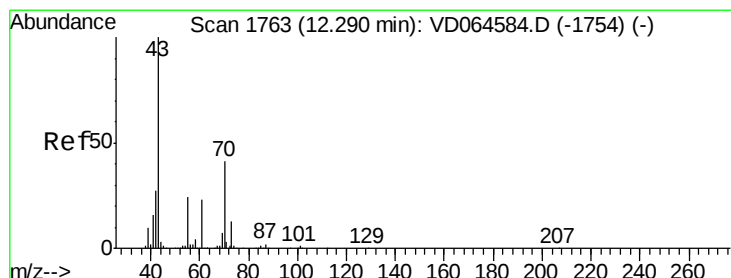
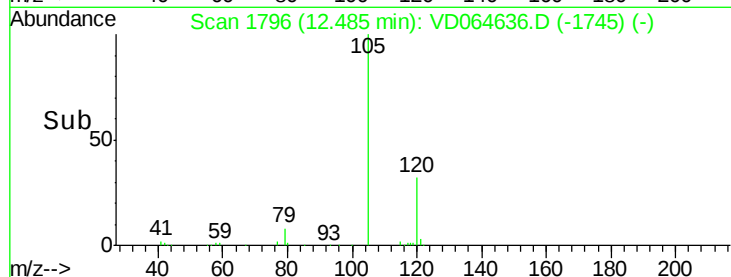
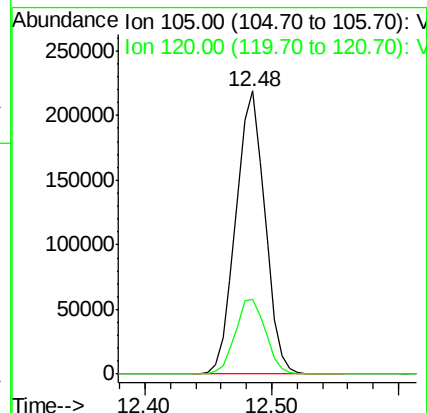
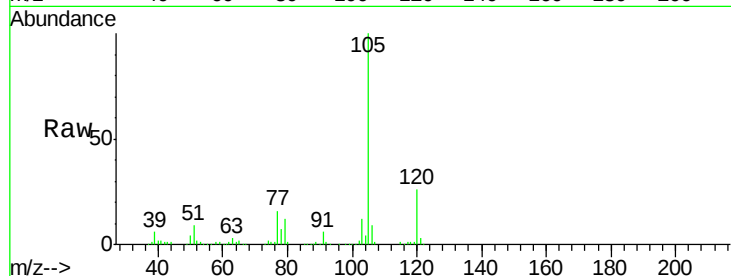
VD1227SBS01

Tgt Ion: 105 Resp: 346922

Ion Ratio Lower Upper

105 100

120 27.4 13.5 40.5



#74

N-ethyl acetate

Concen: 18.499 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064636.D

Acq: 27 Dec 2019 11:05

Tgt Ion: 43 Resp: 70726

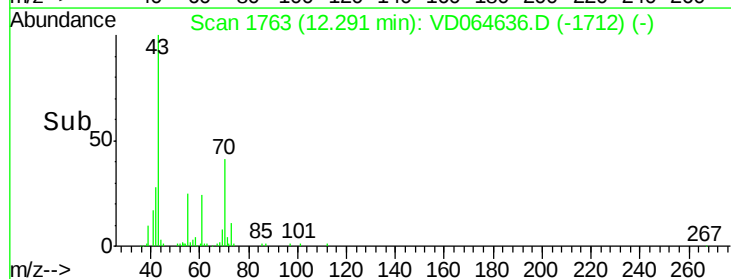
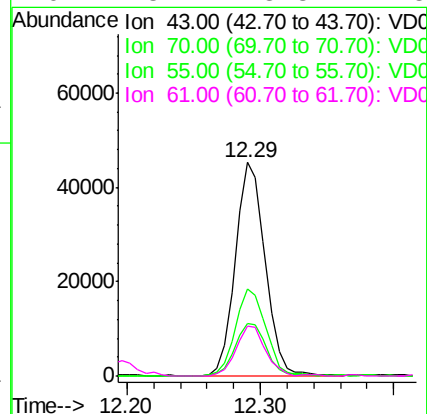
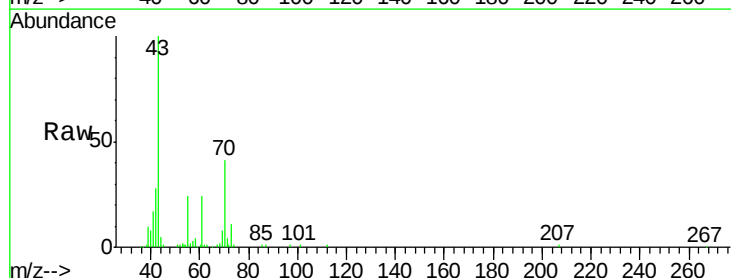
Ion Ratio Lower Upper

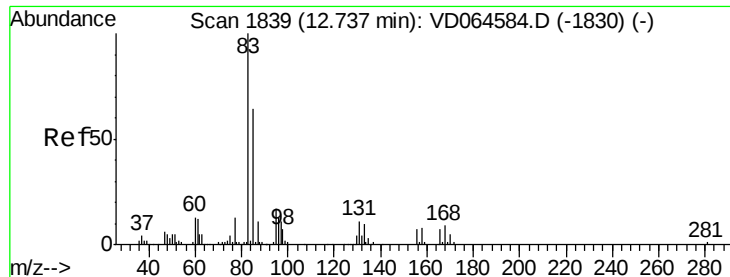
43 100

70 41.6 33.4 50.0

55 26.4 19.4 29.0

61 23.1 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.941 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064636.D

Acq: 27 Dec 2019 11:05

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

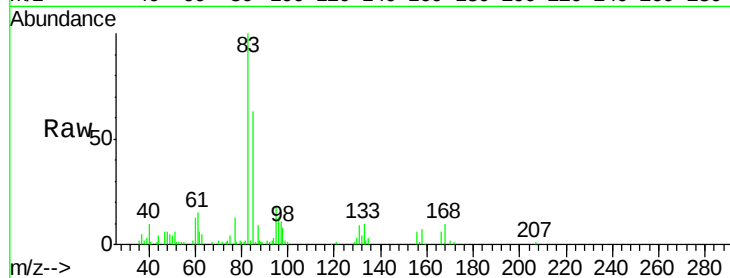
Tgt Ion: 83 Resp: 56026

Ion Ratio Lower Upper

83 100

131 11.3 5.8 17.4

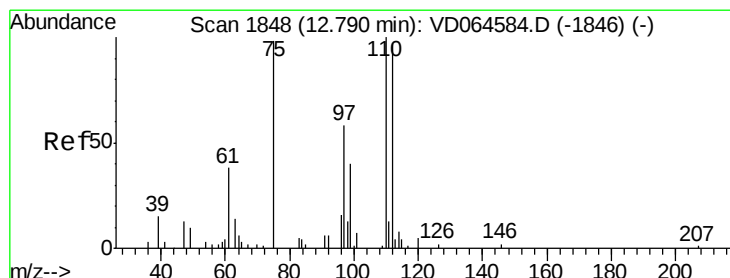
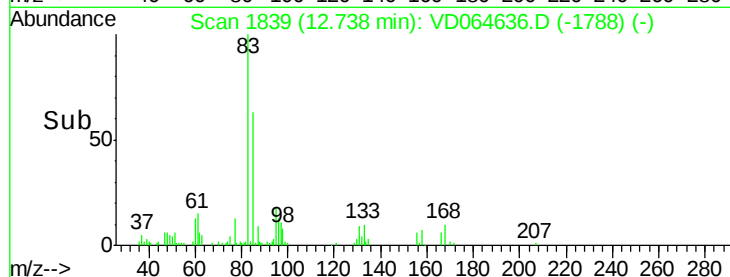
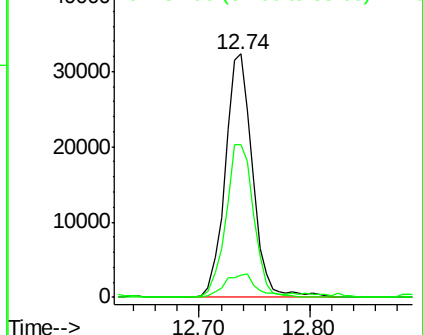
85 63.7 32.3 96.9



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: 36.888 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD064636.D

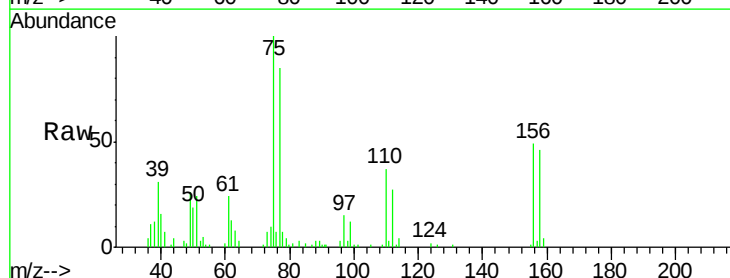
Acq: 27 Dec 2019 11:05

Tgt Ion: 75 Resp: 72903

Ion Ratio Lower Upper

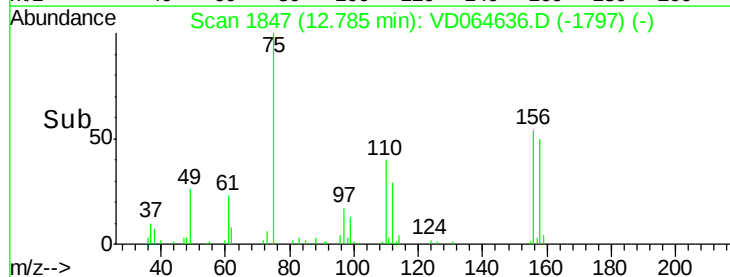
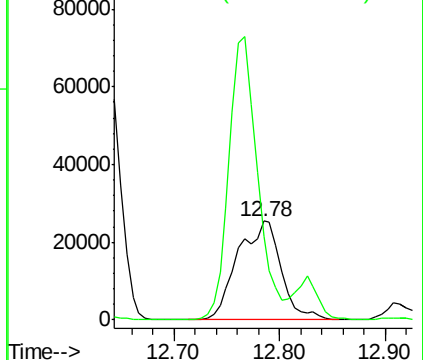
75 100

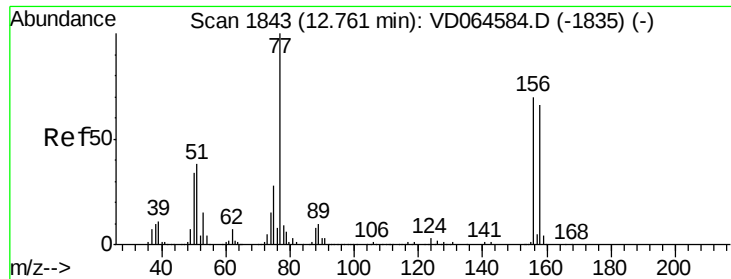
77 187.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 19.364 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD064636.D

Acq: 27 Dec 2019 11:05

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

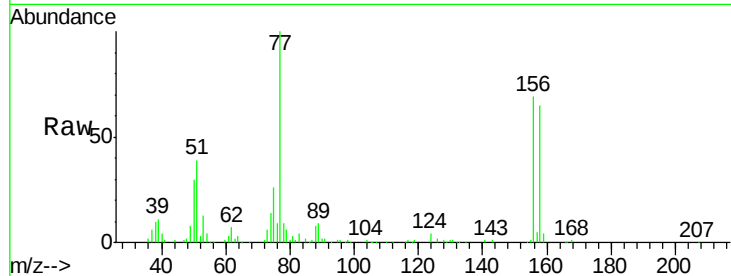
Tgt Ion:156 Resp: 85099

Ion Ratio Lower Upper

156 100

77 160.2 80.9 242.7

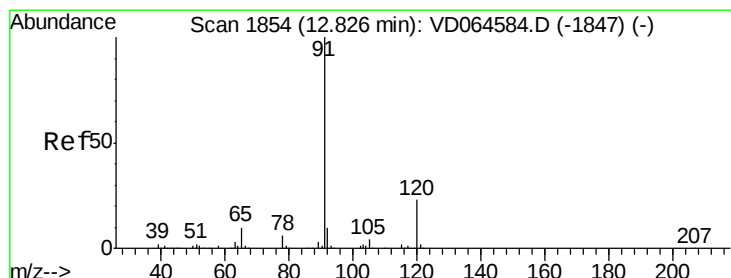
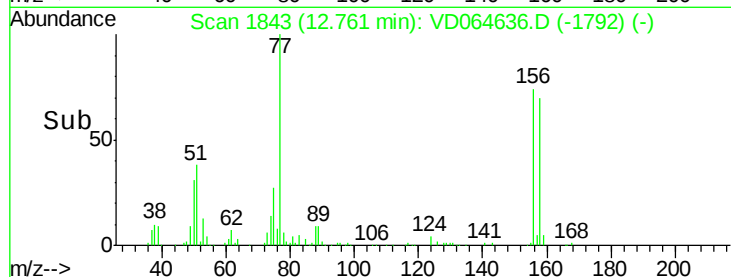
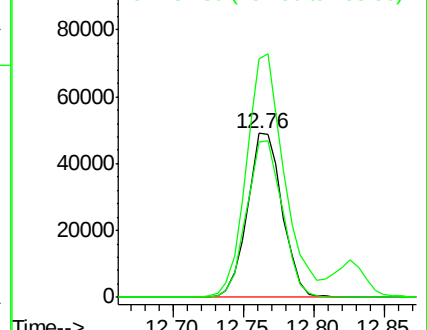
158 97.3 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.824 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064636.D

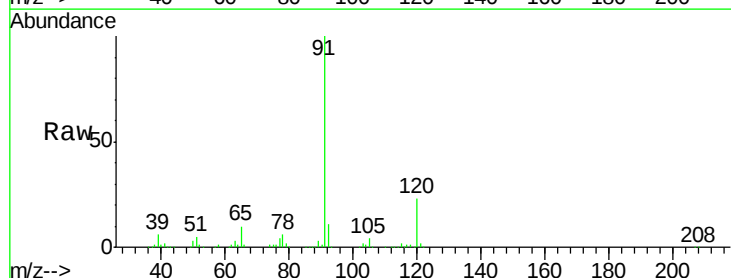
Acq: 27 Dec 2019 11:05

Tgt Ion: 91 Resp: 413641

Ion Ratio Lower Upper

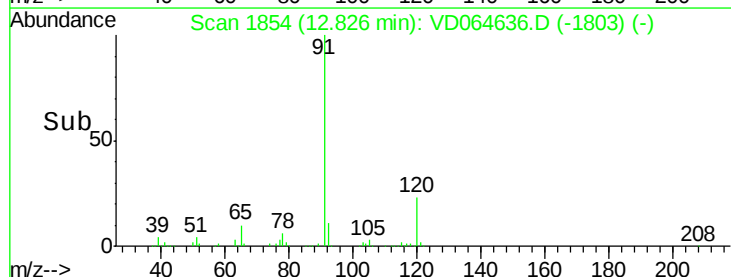
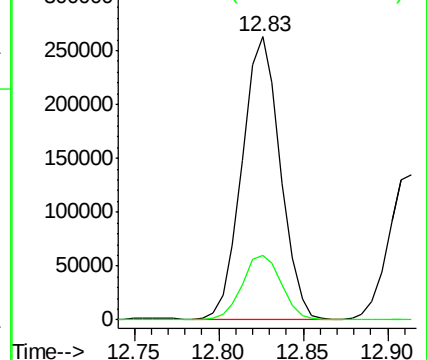
91 100

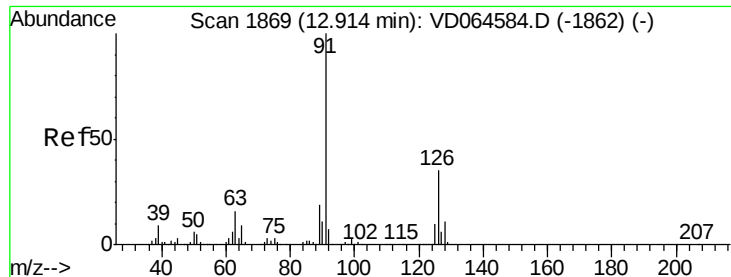
120 23.6 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

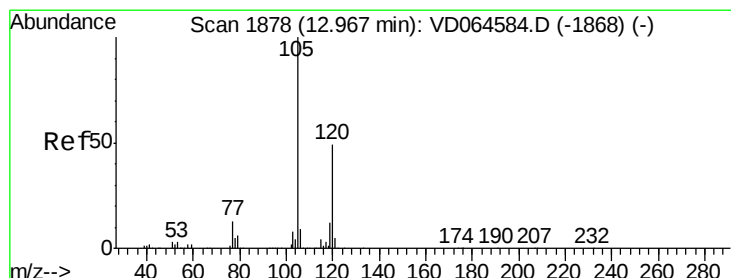
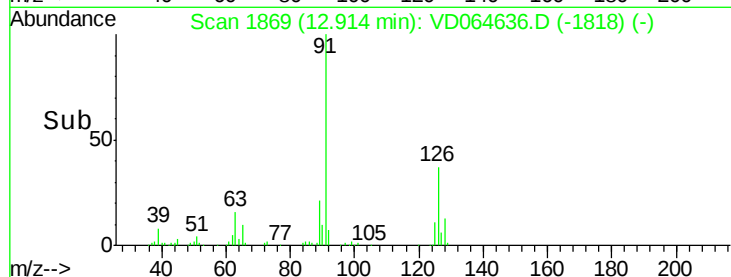
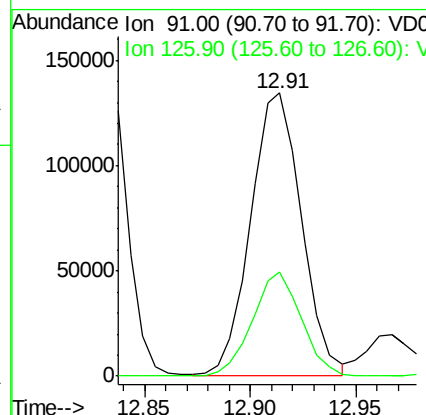
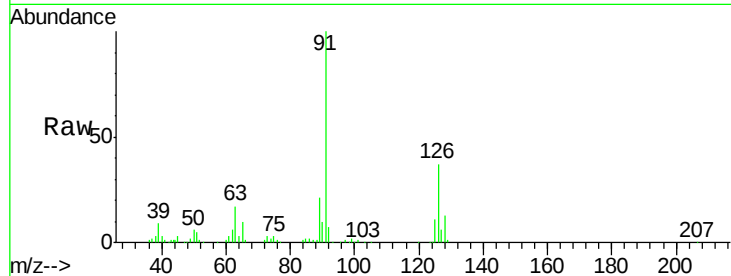




#79
2-Chlorotoluene
Concen: 19.573 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD064636.D
Acq: 27 Dec 2019 11:05

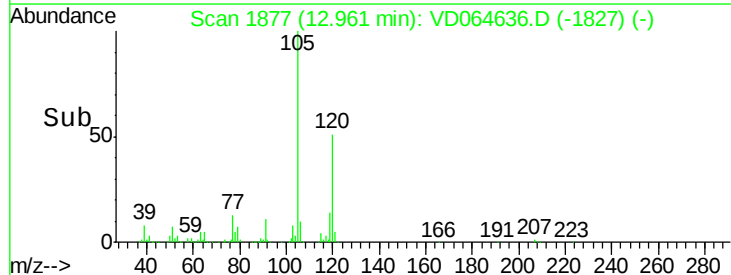
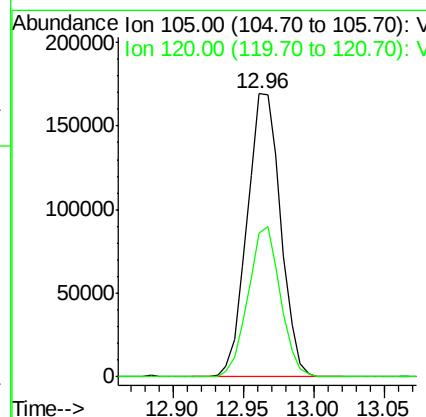
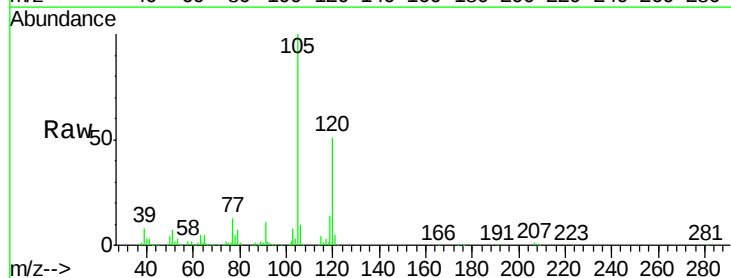
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

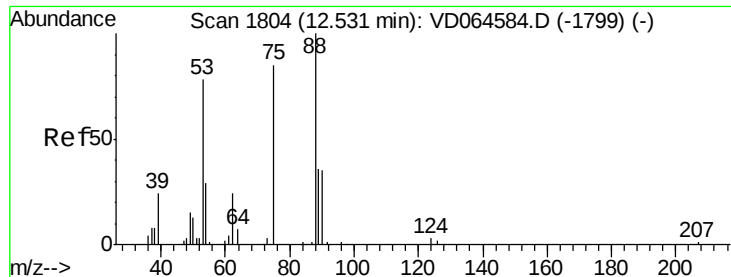
Tgt Ion: 91 Resp: 224351
Ion Ratio Lower Upper
91 100
126 35.5 17.8 53.5



#80
1,3,5-Trimethylbenzene
Concen: 19.255 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. -0.01 min
Lab File: VD064636.D
Acq: 27 Dec 2019 11:05

Tgt Ion: 105 Resp: 282897
Ion Ratio Lower Upper
105 100
120 51.1 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.559 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD064636.D

Acq: 27 Dec 2019 11:05

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

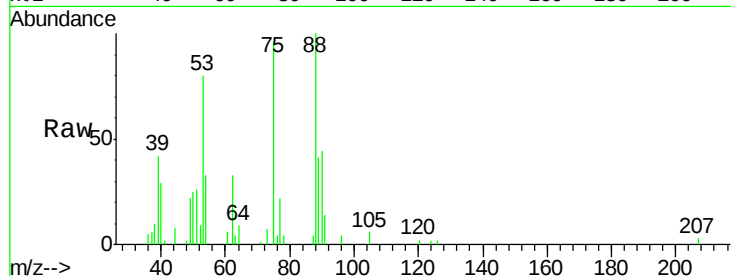
Tgt Ion: 75 Resp: 17537

Ion Ratio Lower Upper

75 100

53 99.5 78.8 118.2

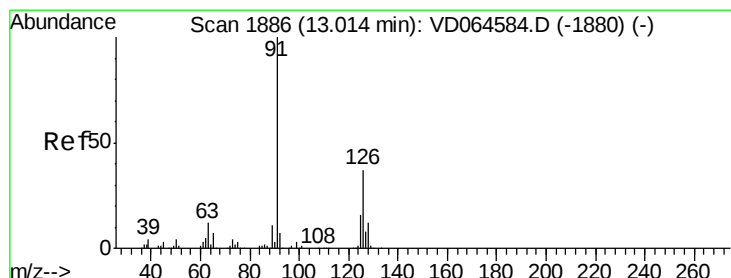
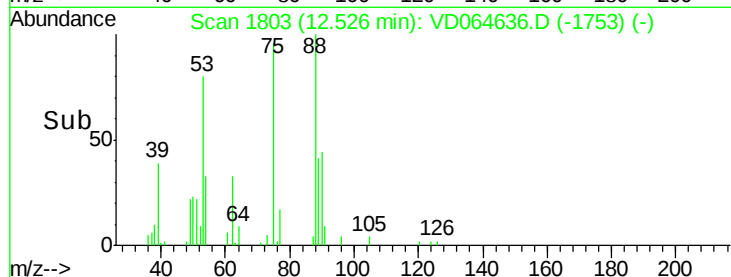
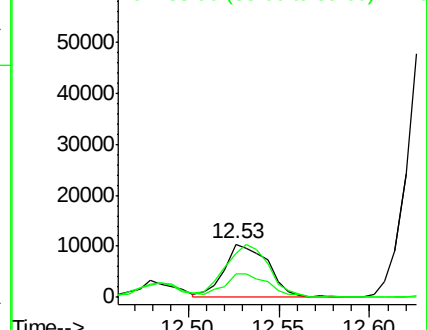
89 44.3 38.3 57.5



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 19.399 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064636.D

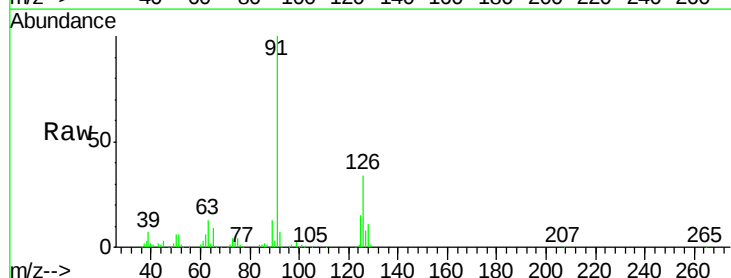
Acq: 27 Dec 2019 11:05

Tgt Ion: 91 Resp: 236625

Ion Ratio Lower Upper

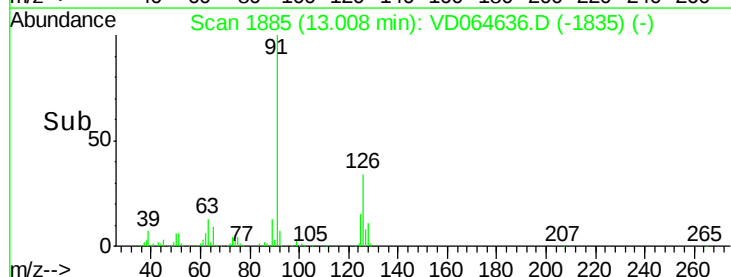
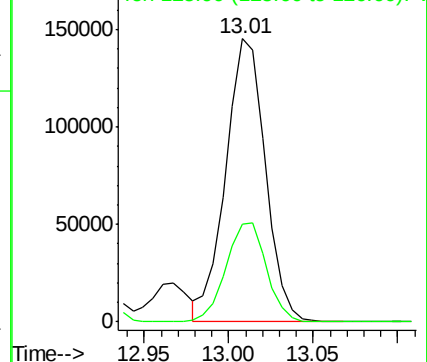
91 100

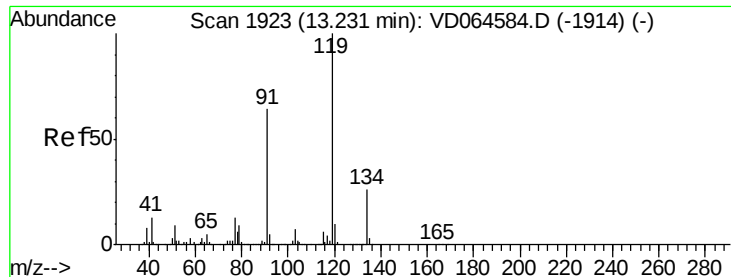
126 35.9 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

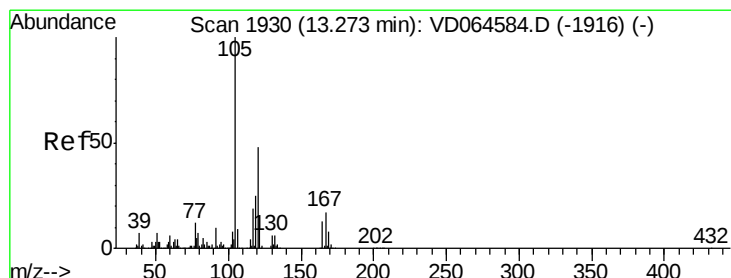
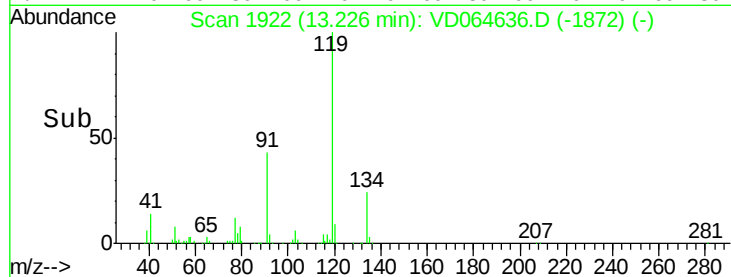
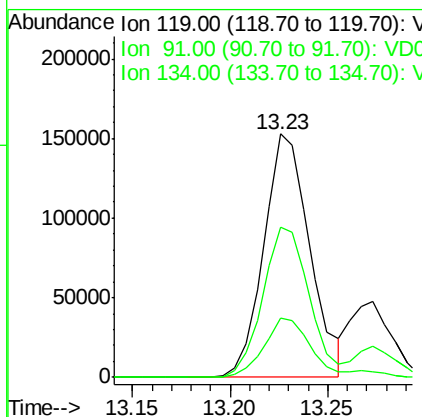
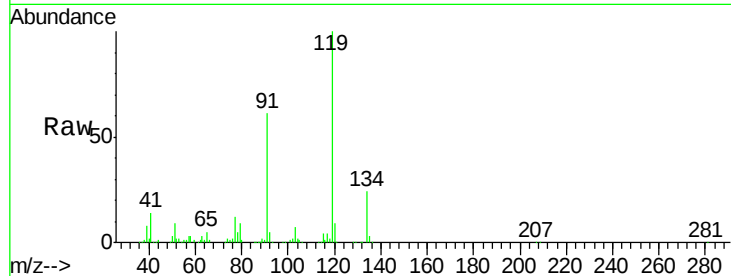




#83
 tert-Butylbenzene
 Concen: 19.598 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.01 min
 Lab File: VD064636.D
 Acq: 27 Dec 2019 11:05

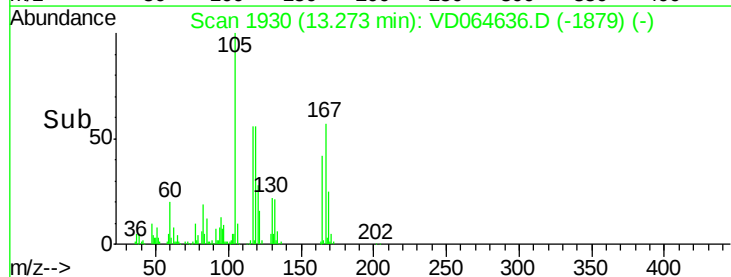
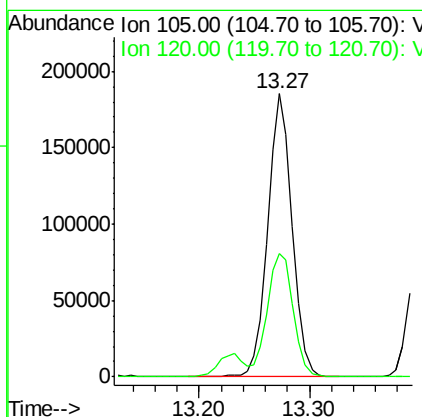
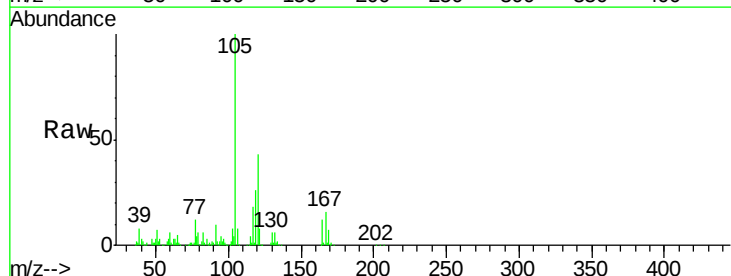
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

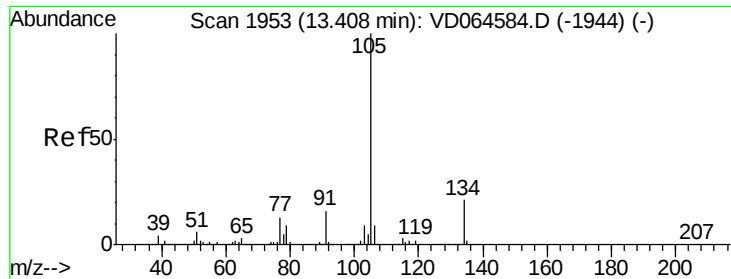
Tgt Ion:119 Resp: 249995
 Ion Ratio Lower Upper
 119 100
 91 61.9 30.8 92.4
 134 26.1 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 19.523 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064636.D
 Acq: 27 Dec 2019 11:05

Tgt Ion:105 Resp: 285659
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.8 71.2

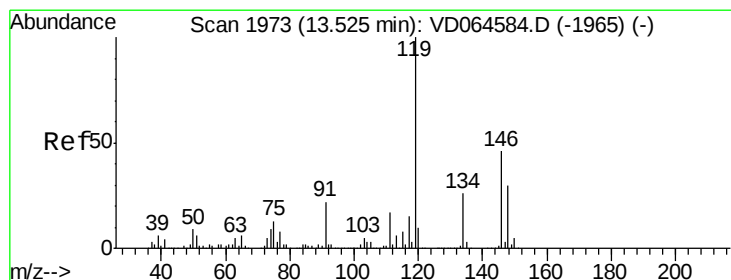
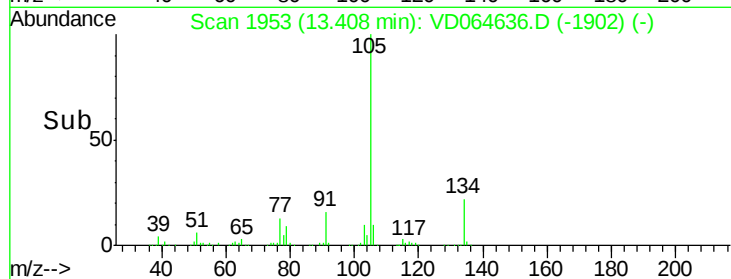
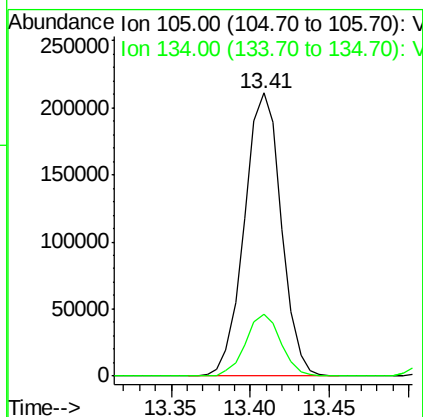
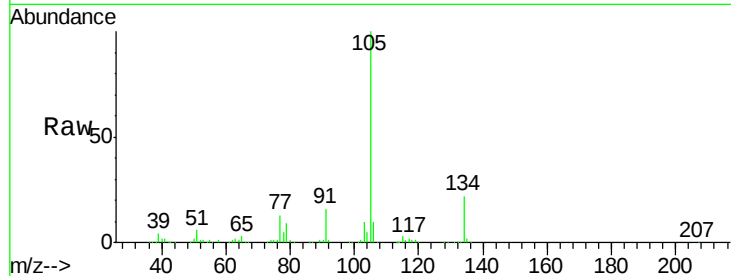




#85
 sec-Butylbenzene
 Concen: 19.512 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064636.D
 Acq: 27 Dec 2019 11:05

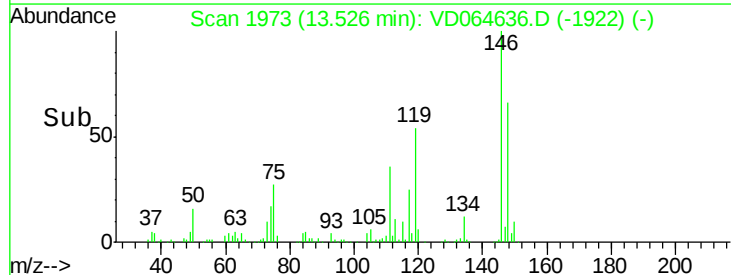
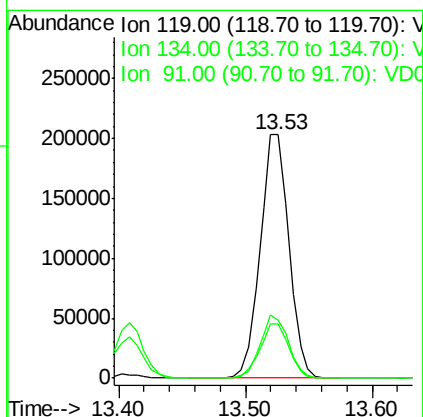
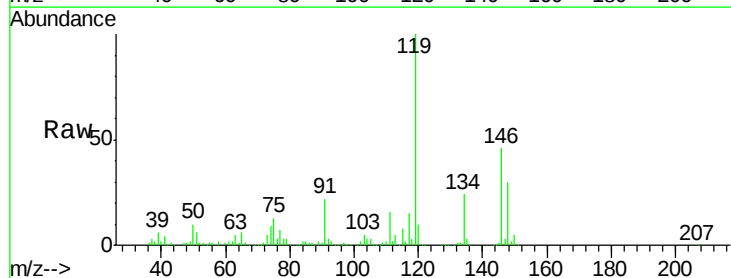
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

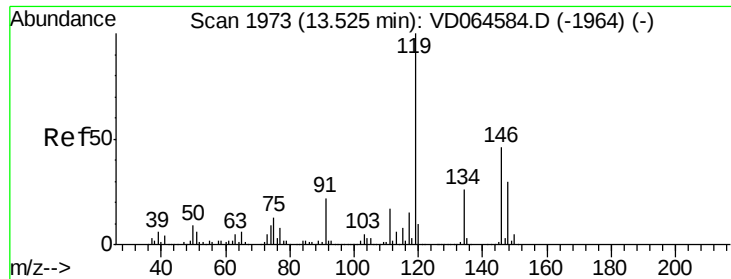
Tgt Ion:105 Resp: 341233
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.6 31.8



#86
 p-Isopropyltoluene
 Concen: 19.220 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064636.D
 Acq: 27 Dec 2019 11:05

Tgt Ion:119 Resp: 321393
 Ion Ratio Lower Upper
 119 100
 134 25.5 13.4 40.1
 91 22.8 11.2 33.6

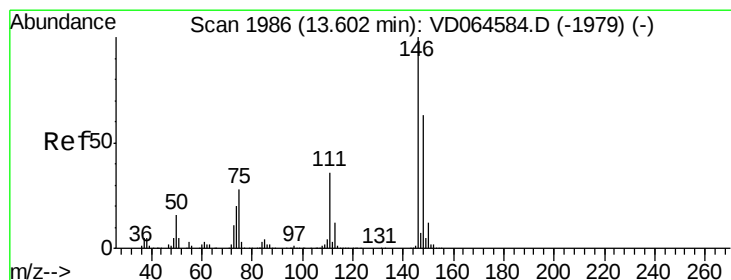
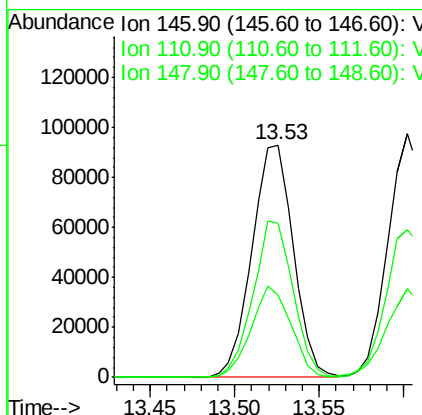
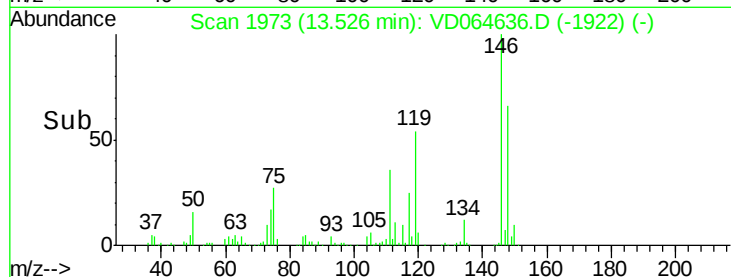
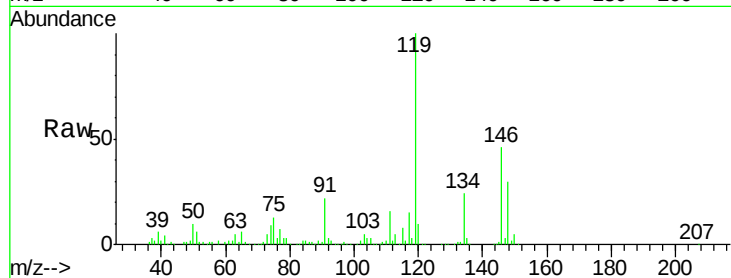




#87
 1,3-Dichlorobenzene
 Concen: 18.884 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064636.D
 Acq: 27 Dec 2019 11:05

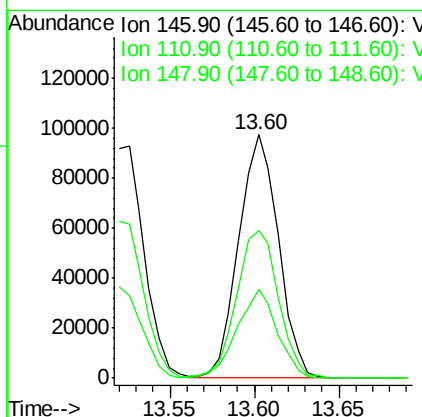
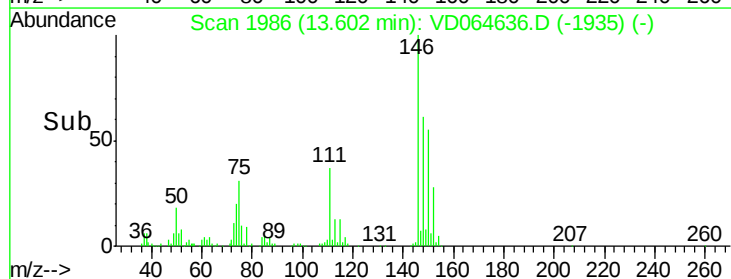
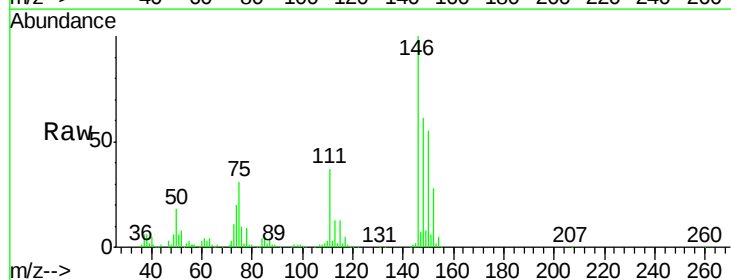
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

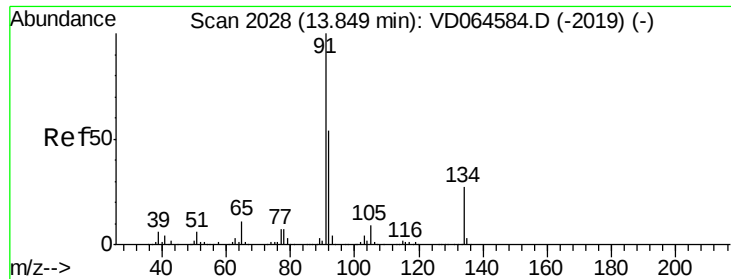
Tgt Ion:146 Resp: 158203
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.8 56.4
 148 65.4 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 19.382 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064636.D
 Acq: 27 Dec 2019 11:05

Tgt Ion:146 Resp: 159511
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.1 54.1
 148 63.9 32.3 96.9

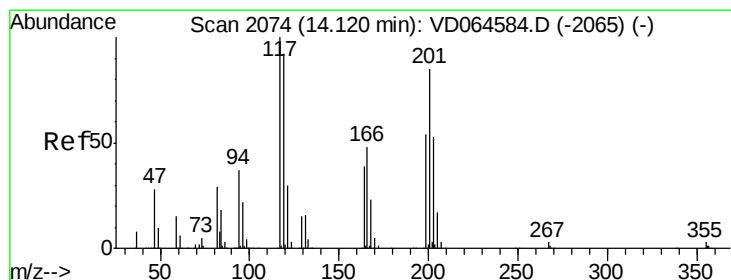
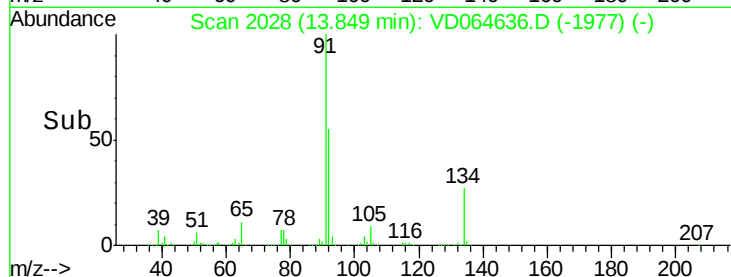
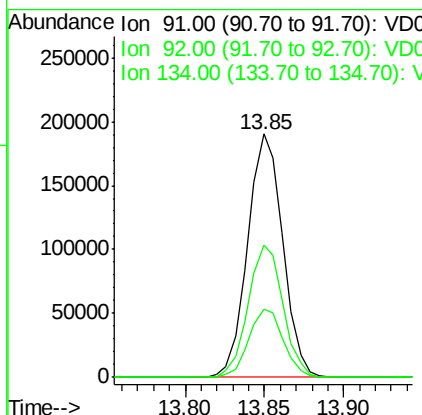
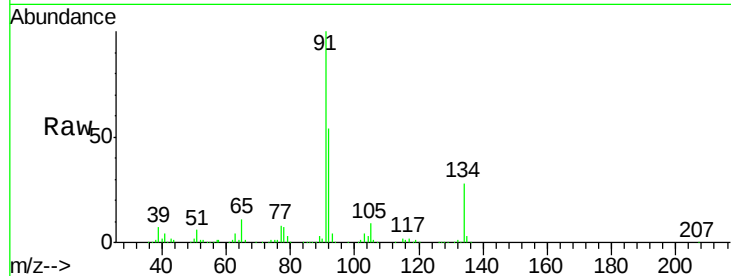




#89
n-Butylbenzene
Concen: 19.439 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064636.D
Acq: 27 Dec 2019 11:05

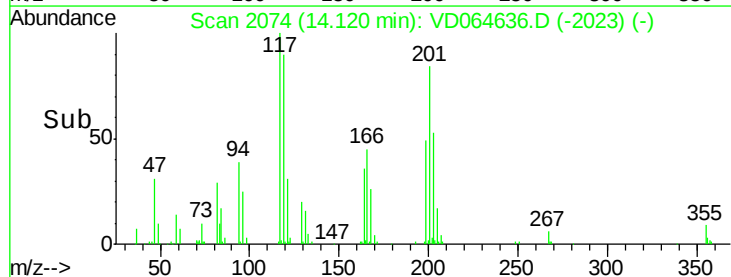
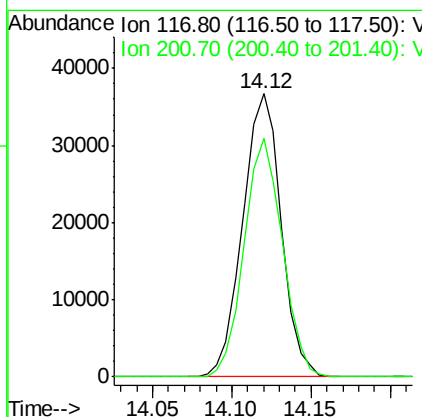
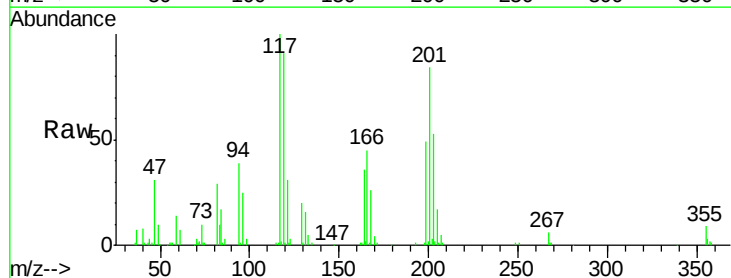
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

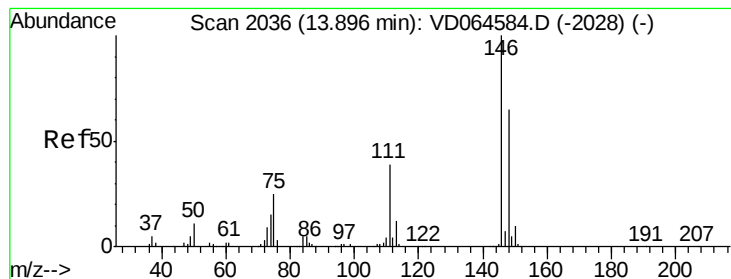
Tgt Ion: 91 Resp: 292719
Ion Ratio Lower Upper
91 100
92 54.1 26.8 80.4
134 27.8 14.0 41.9



#90
Hexachloroethane
Concen: 19.371 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064636.D
Acq: 27 Dec 2019 11:05

Tgt Ion: 117 Resp: 61876
Ion Ratio Lower Upper
117 100
201 83.8 44.0 131.8





#91

1,2-Dichlorobenzene

Concen: 19.072 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD064636.D

Acq: 27 Dec 2019 11:05

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS01

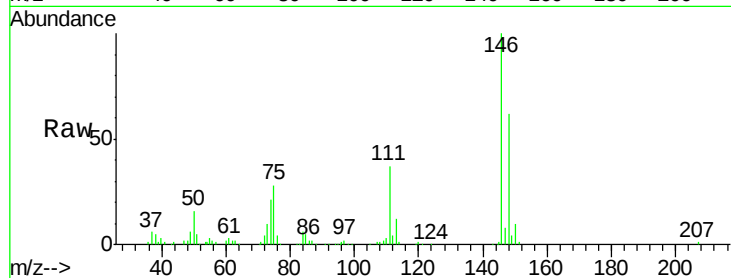
Tgt Ion:146 Resp: 136241

Ion Ratio Lower Upper

146 100

111 38.9 19.3 57.9

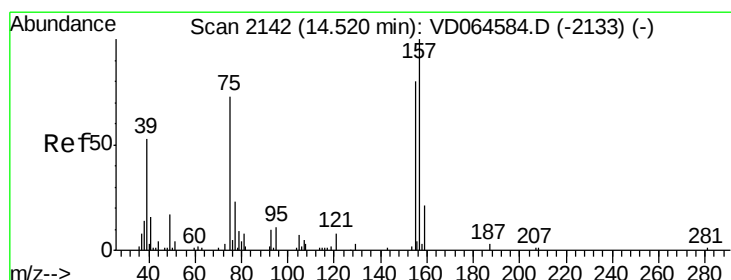
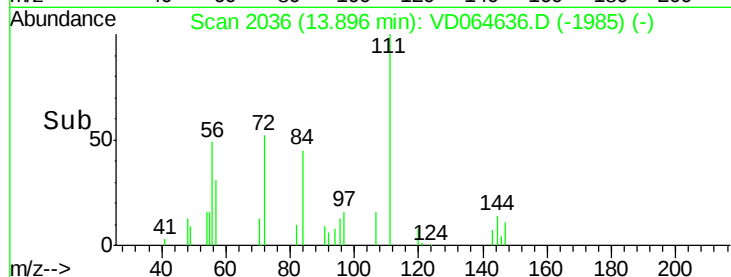
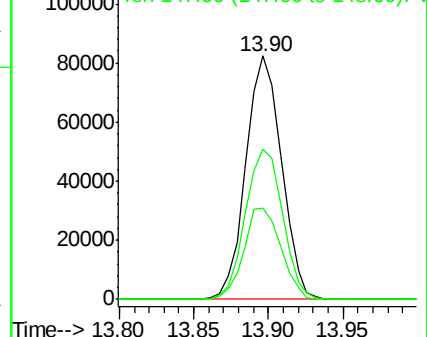
148 64.5 31.9 95.5



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.354 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VD064636.D

Acq: 27 Dec 2019 11:05

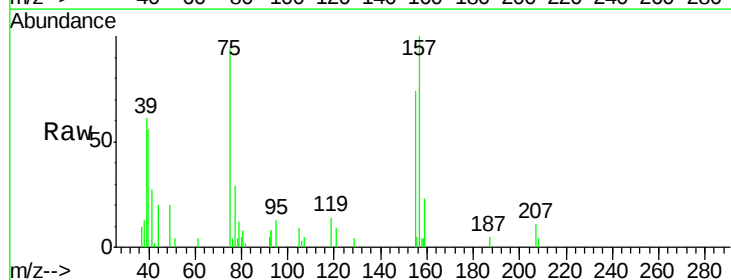
Tgt Ion: 75 Resp: 8815

Ion Ratio Lower Upper

75 100

155 93.7 48.0 144.0

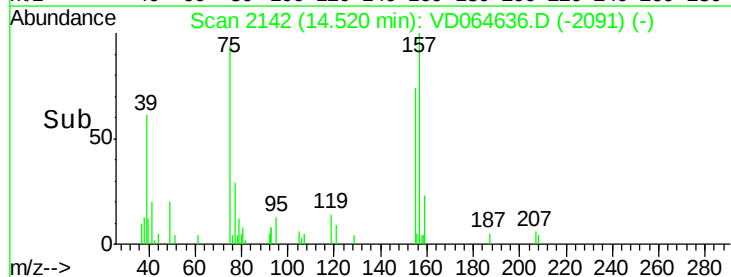
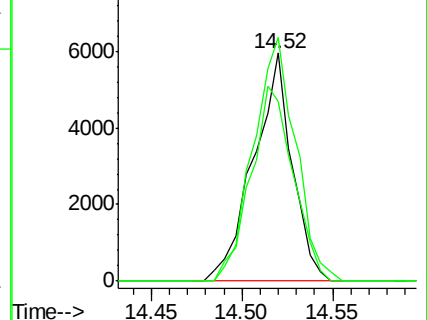
157 117.4 64.1 192.3

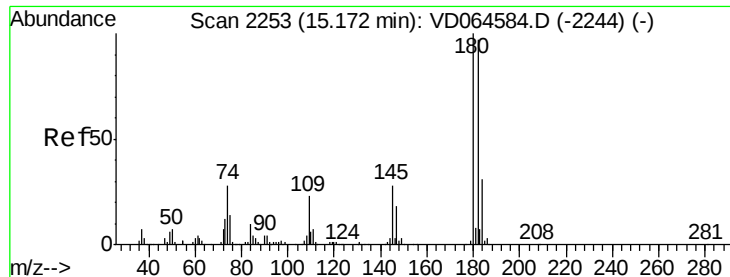


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

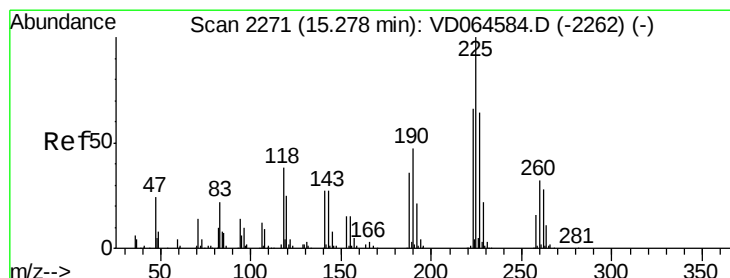
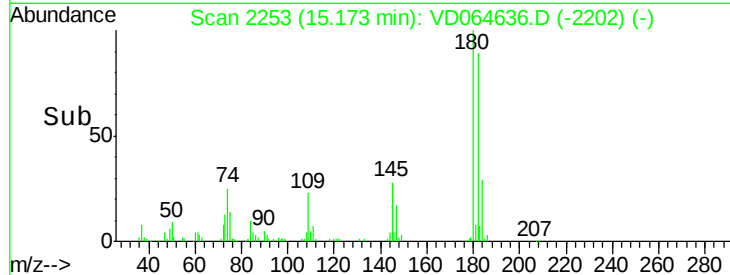
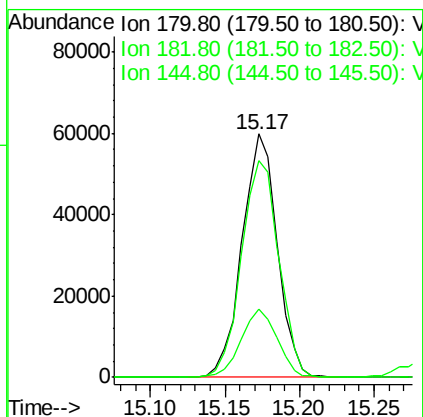
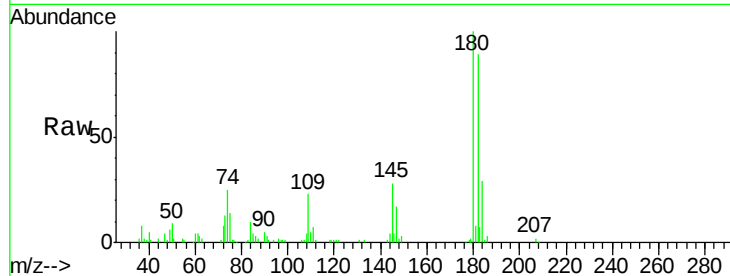




#93
 1,2,4-Trichlorobenzene
 Concen: 18.523 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064636.D
 Acq: 27 Dec 2019 11:05

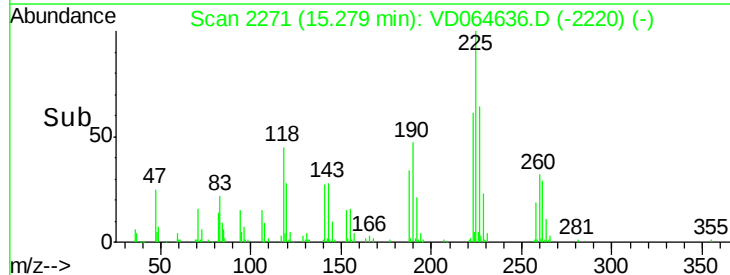
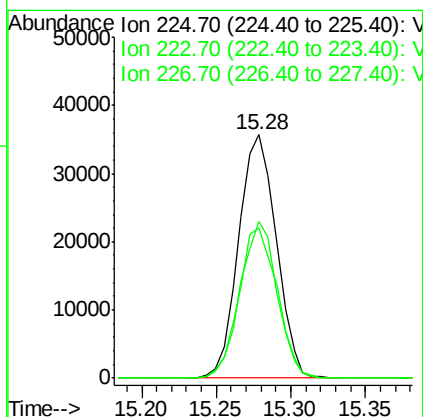
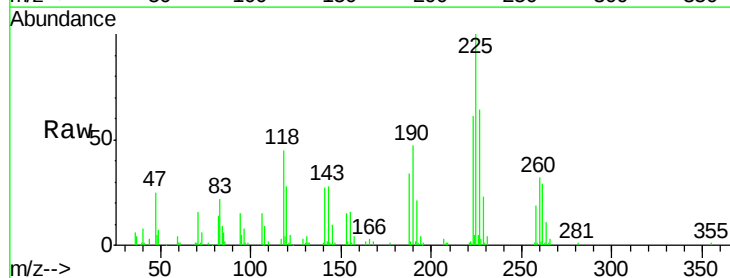
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS01

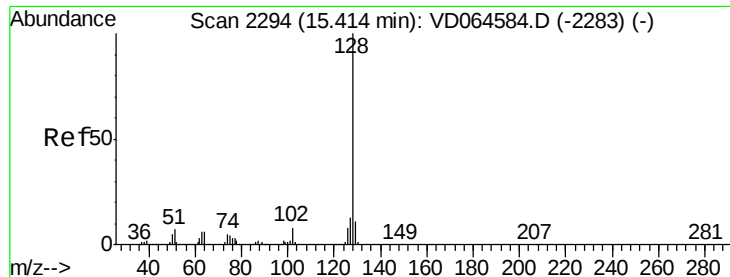
Tgt Ion:180 Resp: 97429
 Ion Ratio Lower Upper
 180 100
 182 94.7 48.0 144.2
 145 28.8 13.8 41.4



#94
 Hexachlorobutadiene
 Concen: 18.856 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064636.D
 Acq: 27 Dec 2019 11:05

Tgt Ion:225 Resp: 62412
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.1 93.2
 227 62.8 30.9 92.7

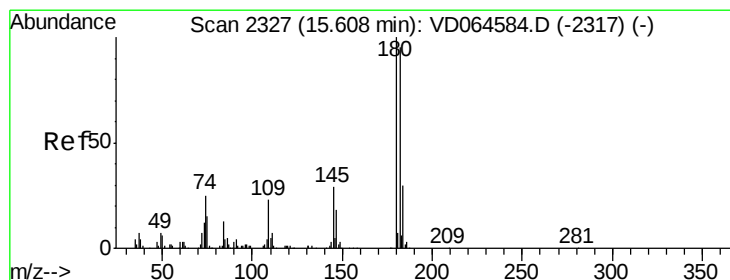
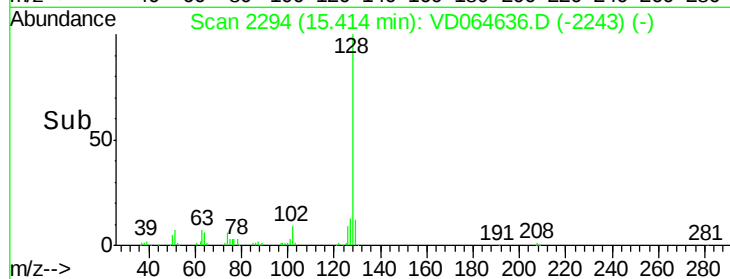
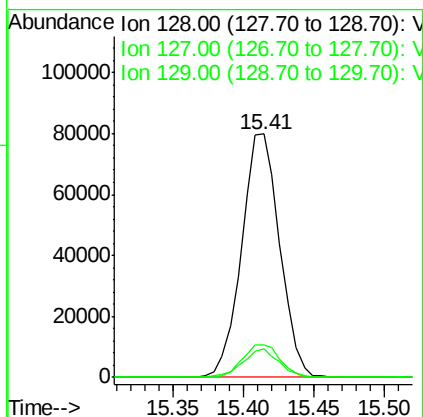
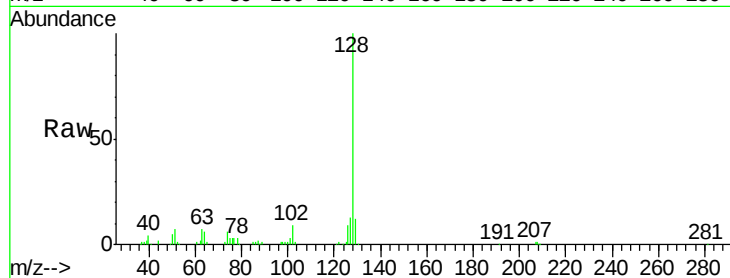




#95
Naphthalene
Concen: 18.121 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064636.D
Acq: 27 Dec 2019 11:05

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS01

Tgt Ion:128 Resp: 150792
Ion Ratio Lower Upper
128 100
127 13.5 10.3 15.5
129 10.9 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 19.106 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064636.D
Acq: 27 Dec 2019 11:05

Tgt Ion:180 Resp: 85795
Ion Ratio Lower Upper
180 100
182 94.5 47.9 143.7
145 29.3 14.9 44.7

