

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD110119\
 Data File : VD064149.D
 Acq On : 01 Nov 2019 13:27
 Operator : VA/SY
 Sample : VD1101SBSD01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBSD01

Quant Time: Nov 01 18:02:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	208838	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	305153	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	301686	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	161142	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	88485	53.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.56%	
35) Dibromofluoromethane	7.91	113	98924	52.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.38%	
50) Toluene-d8	10.34	98	379425	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
62) 4-Bromofluorobenzene	12.64	95	130125	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.99	85	45660	21.412 ug/l	96
3) Chloromethane	2.21	50	69783	19.613 ug/l	100
4) Vinyl Chloride	2.35	62	77765	20.155 ug/l	98
5) Bromomethane	2.76	94	53672	21.345 ug/l	99
6) Chloroethane	2.92	64	48644	20.298 ug/l #	85
7) Trichlorofluoromethane	3.27	101	110456	20.796 ug/l	99
8) Diethyl Ether	3.71	74	17349	18.791 ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.08	101	39014	20.382 ug/l	97
10) Methyl Iodide	4.28	142	47190	19.899 ug/l	98
11) Tert butyl alcohol	5.24	59	6816	75.744 ug/l #	71
12) 1,1-Dichloroethene	4.06	96	38721	21.374 ug/l	85
13) Acrolein	3.91	56	9283	87.656 ug/l	100
14) Allyl chloride	4.71	41	43875	20.693 ug/l	98
15) Acrylonitrile	5.43	53	34646	101.591 ug/l	98
16) Acetone	4.17	43	32592	103.133 ug/l	93
17) Carbon Disulfide	4.40	76	112388	20.188 ug/l	99
18) Methyl Acetate	4.73	43	16776	19.957 ug/l	93
19) Methyl tert-butyl Ether	5.48	73	72541	19.734 ug/l	93
20) Methylene Chloride	4.96	84	55962	25.742 ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	44527	21.896 ug/l	95
22) Diisopropyl ether	6.37	45	94340	20.090 ug/l	93
23) Vinyl Acetate	6.31	43	264219	102.649 ug/l	97
24) 1,1-Dichloroethane	6.27	63	66118	20.851 ug/l	97
25) 2-Butanone	7.22	43	42756	97.866 ug/l #	89
26) 2,2-Dichloropropane	7.21	77	60672	20.159 ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	44626	19.611 ug/l	97
28) Bromochloromethane	7.56	49	18356	16.433 ug/l	96
29) Tetrahydrofuran	7.57	42	25711	100.838 ug/l	97
30) Chloroform	7.72	83	73945	20.379 ug/l	95
31) Cyclohexane	7.99	56	57139	18.496 ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	71576	21.191 ug/l	95
36) 1,1-Dichloropropene	8.12	75	58902	20.600 ug/l	96
37) Ethyl Acetate	7.30	43	20295	23.060 ug/l #	97
38) Carbon Tetrachloride	8.10	117	62618	20.071 ug/l	92

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

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1101SBSD01

Quant Time: Nov 01 18:02:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	69967	19.933	ug/l	87
40) Benzene	8.36	78	160538	20.589	ug/l	95
41) Methacrylonitrile	7.54	41	11673	22.982	ug/l	92
42) 1,2-Dichloroethane	8.43	62	44080	21.401	ug/l	99
43) Isopropyl Acetate	8.46	43	35299	19.846	ug/l #	90
44) Trichloroethene	9.11	130	48753	20.629	ug/l	94
45) 1,2-Dichloropropane	9.39	63	36304	20.090	ug/l	97
46) Dibromomethane	9.48	93	21229	19.506	ug/l	91
47) Bromodichloromethane	9.67	83	57158	20.818	ug/l	95
48) Methyl methacrylate	9.46	41	18525	22.522	ug/l	94
49) 1,4-Dioxane	9.47	88	5382	432.021	ug/l #	86
51) 4-Methyl-2-Pentanone	10.23	43	99330	102.581	ug/l	95
52) Toluene	10.41	92	112988	20.677	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	52645	20.541	ug/l	92
54) cis-1,3-Dichloropropene	10.09	75	60429	20.041	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	32012	20.746	ug/l #	88
56) Ethyl methacrylate	10.67	69	34022	20.064	ug/l	98
57) 1,3-Dichloropropane	10.95	76	50777	19.898	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	70635	104.489	ug/l	95
59) 2-Hexanone	10.99	43	67451	94.672	ug/l	99
60) Dibromochloromethane	11.15	129	44400	21.200	ug/l	95
61) 1,2-Dibromoethane	11.25	107	31426	20.363	ug/l	94
64) Tetrachloroethene	10.88	164	44476	20.521	ug/l	93
65) Chlorobenzene	11.67	112	129072	20.706	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.74	131	47118	20.201	ug/l	98
67) Ethyl Benzene	11.75	91	217221	19.592	ug/l	98
68) m/p-Xylenes	11.86	106	178940	40.125	ug/l	98
69) o-Xylene	12.18	106	79910	19.634	ug/l	95
70) Styrene	12.20	104	139745	19.908	ug/l	99
71) Bromoform	12.37	173	25878	20.774	ug/l #	99
73) Isopropylbenzene	12.48	105	218875	19.546	ug/l	96
74) N-amyl acetate	12.29	43	35511	19.089	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	35393	20.053	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	45623	42.135	ug/l #	100
77) Bromobenzene	12.77	156	56119	20.757	ug/l	98
78) n-propylbenzene	12.83	91	264556	20.160	ug/l	100
79) 2-Chlorotoluene	12.91	91	140326	19.949	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	189706	20.243	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.54	75	10521	19.844	ug/l	92
82) 4-Chlorotoluene	13.01	91	149689	19.915	ug/l	99
83) tert-Butylbenzene	13.23	119	161789	19.221	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	186445	19.804	ug/l	99
85) sec-Butylbenzene	13.41	105	227446	19.676	ug/l	98
86) p-Isopropyltoluene	13.52	119	211691	19.491	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	110441	20.384	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	112606	21.083	ug/l	99
89) n-Butylbenzene	13.85	91	195311	19.497	ug/l	99
90) Hexachloroethane	14.12	117	40070	19.706	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	95080	20.391	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5960	23.121	ug/l	82

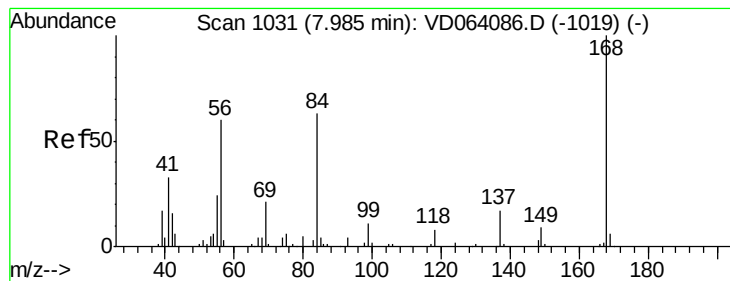
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD110119\
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Acq On : 01 Nov 2019 13:27
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Sample : VD1101SBSD01
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MSVOA_D
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Quant Title : SW846 8260
QLast Update : Wed Oct 30 08:00:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	68394	20.406	ug/l	99
94) Hexachlorobutadiene	15.28	225	41534	21.203	ug/l	98
95) Naphthalene	15.41	128	111886	20.469	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	56729	19.540	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

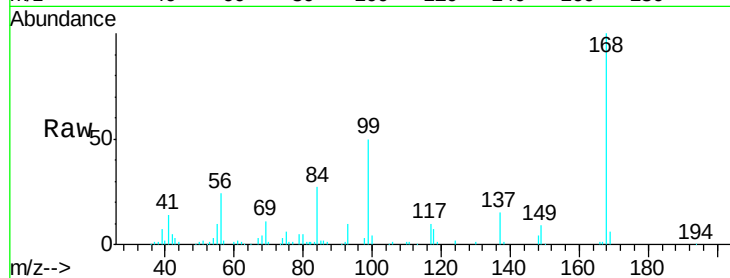
VD1101SBSD01

Tgt Ion:168 Resp: 208838

Ion Ratio Lower Upper

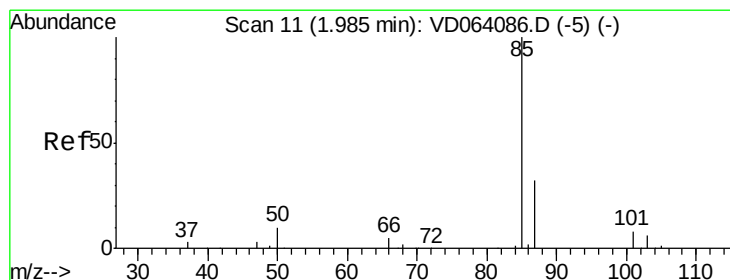
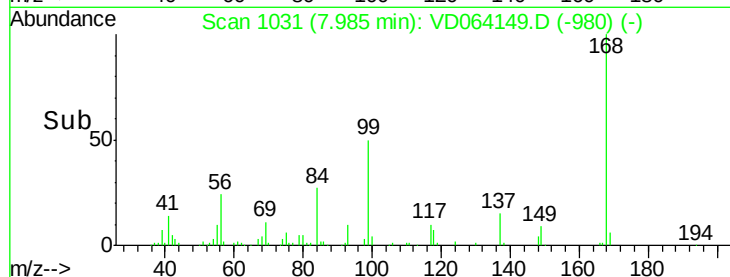
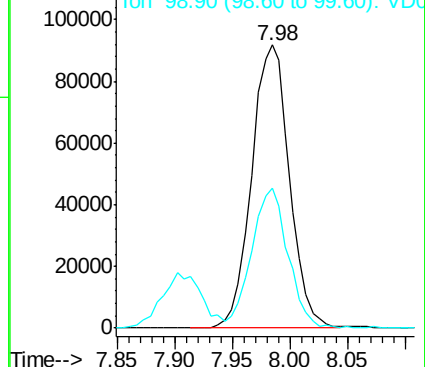
168 100

99 49.5 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 21.412 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD064149.D

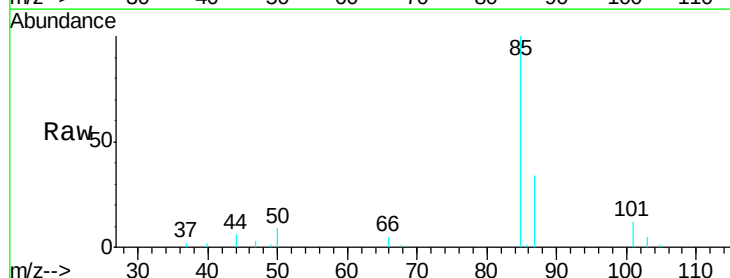
Acq: 01 Nov 2019 13:27

Tgt Ion: 85 Resp: 45660

Ion Ratio Lower Upper

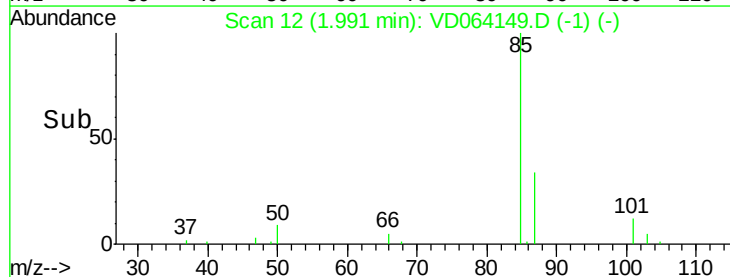
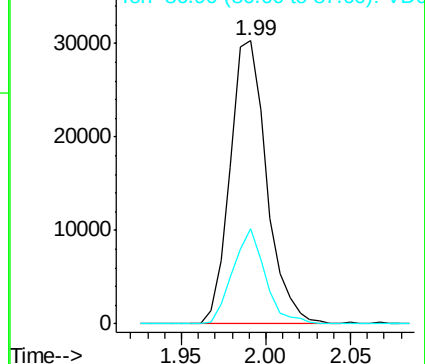
85 100

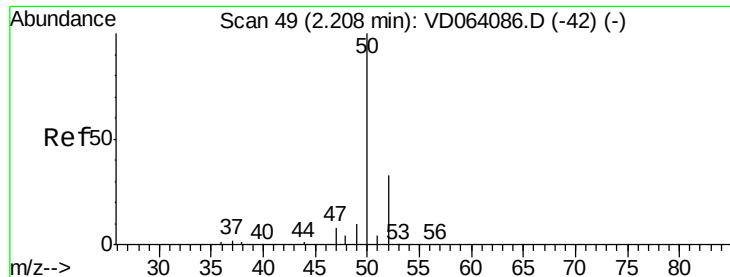
87 33.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.613 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

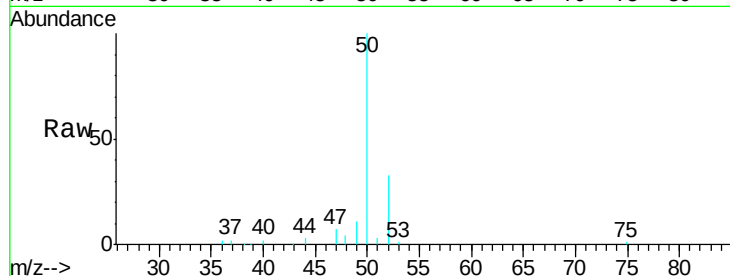
VD1101SBSD01

Tgt Ion: 50 Resp: 69783

Ion Ratio Lower Upper

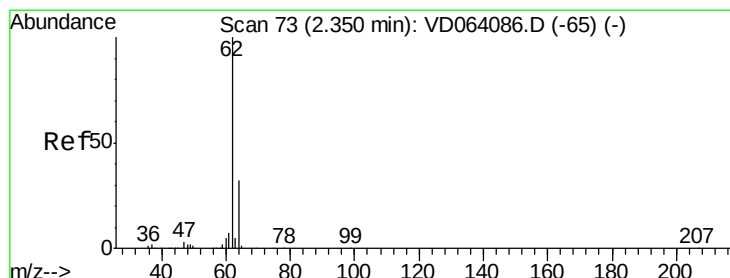
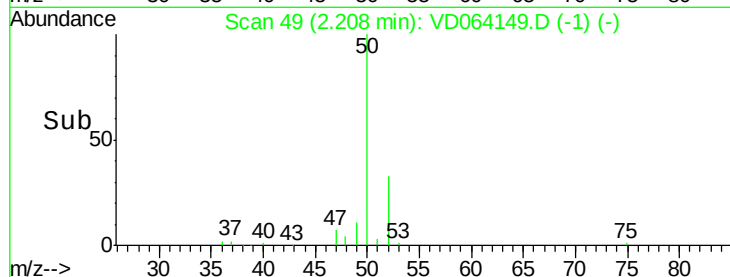
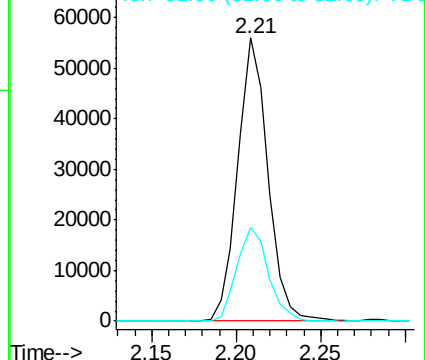
50 100

52 33.3 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: 20.155 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064149.D

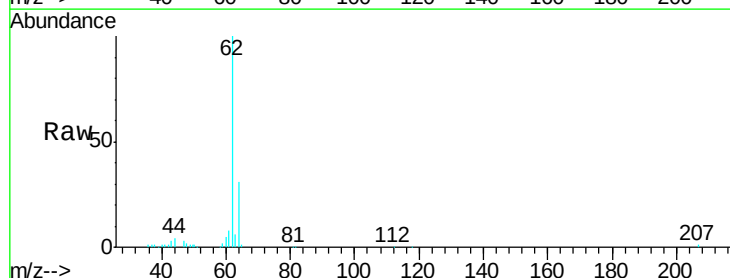
Acq: 01 Nov 2019 13:27

Tgt Ion: 62 Resp: 77765

Ion Ratio Lower Upper

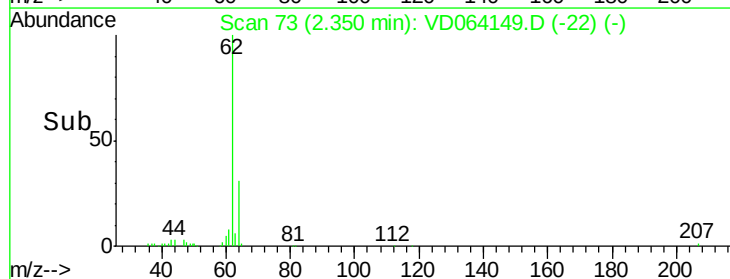
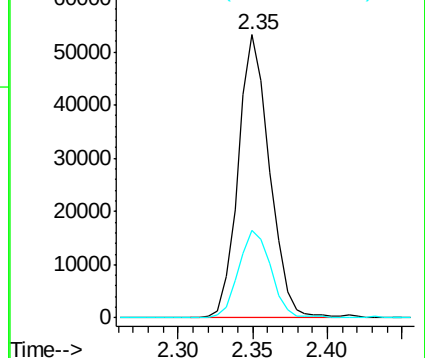
62 100

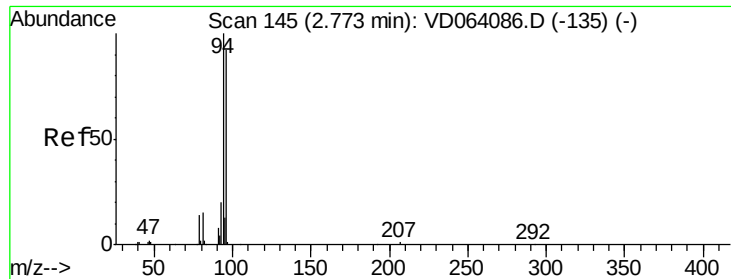
64 31.0 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.345 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

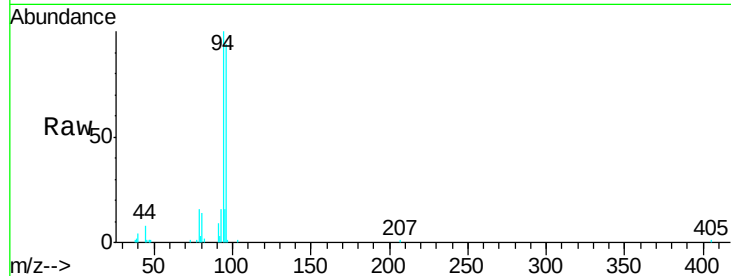
VD1101SBS01

Tgt Ion: 94 Resp: 53672

Ion Ratio Lower Upper

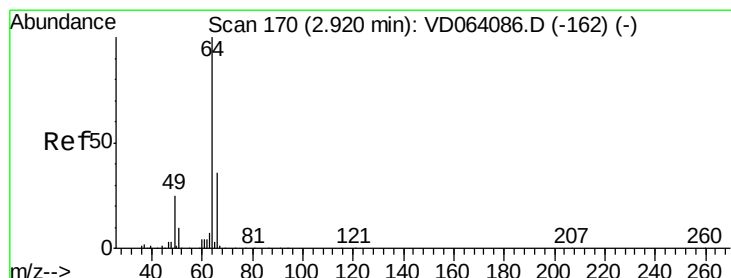
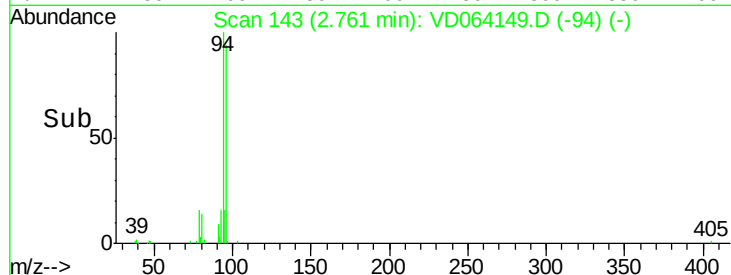
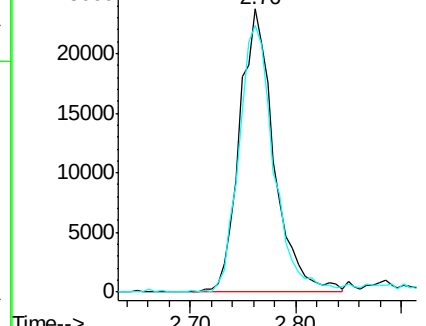
94 100

96 93.8 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.298 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064149.D

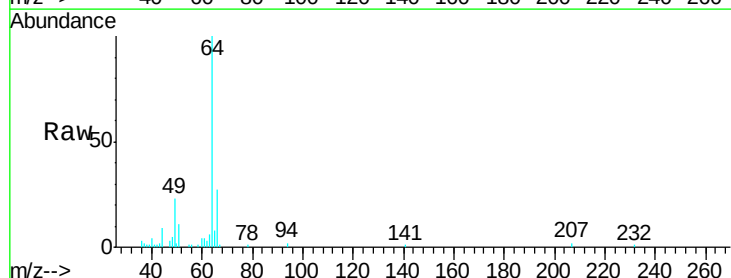
Acq: 01 Nov 2019 13:27

Tgt Ion: 64 Resp: 48644

Ion Ratio Lower Upper

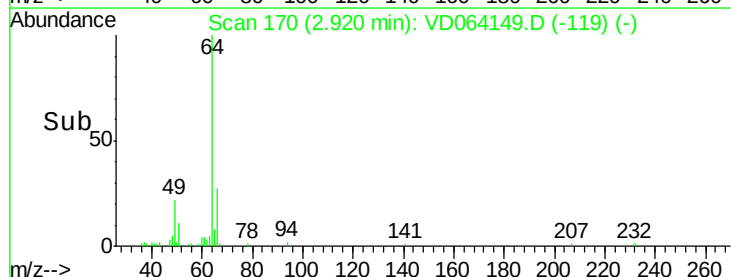
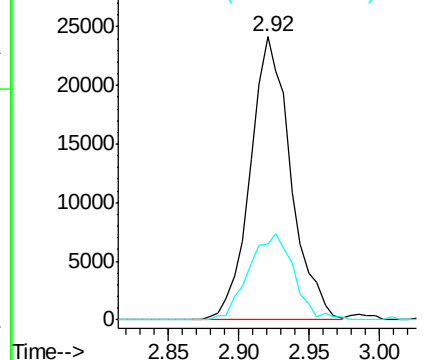
64 100

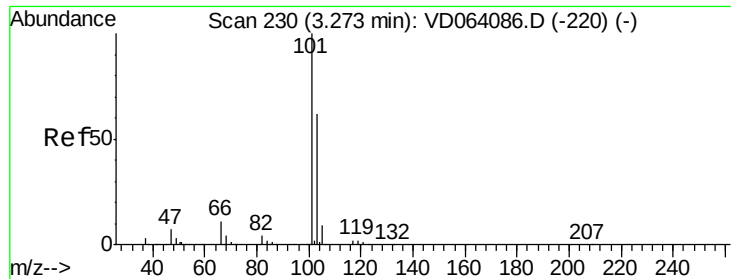
66 27.1 28.7 43.1#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



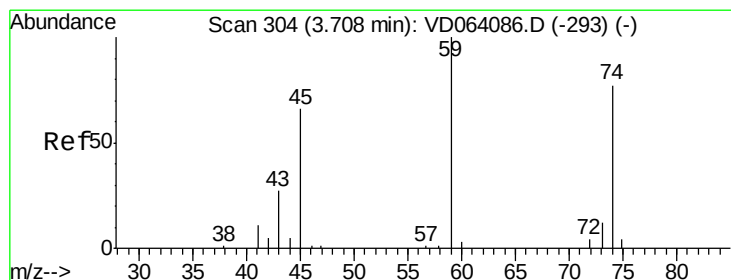
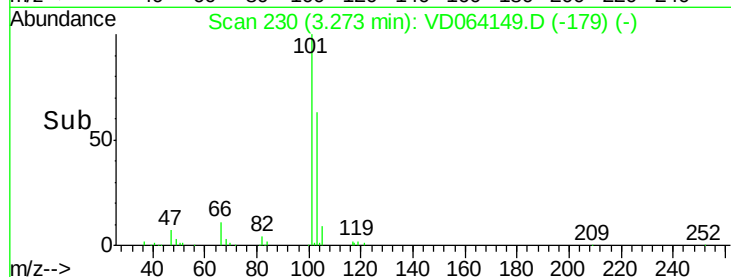
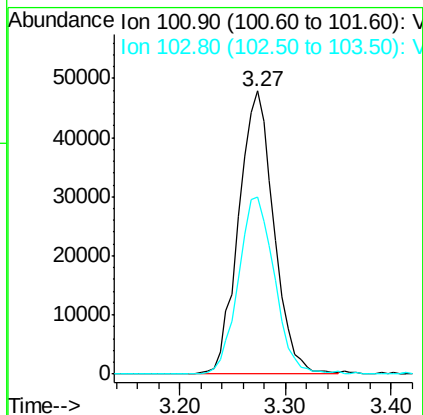
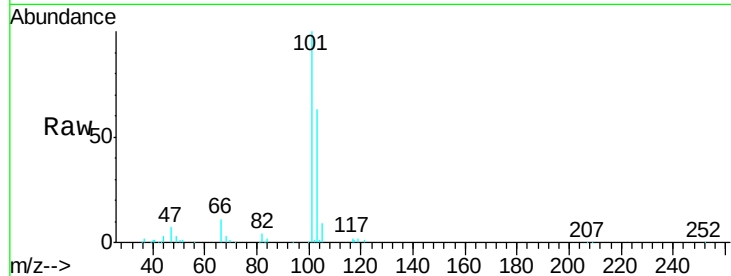


#7

Trichlorofluoromethane
Concen: 20.796 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBSD01

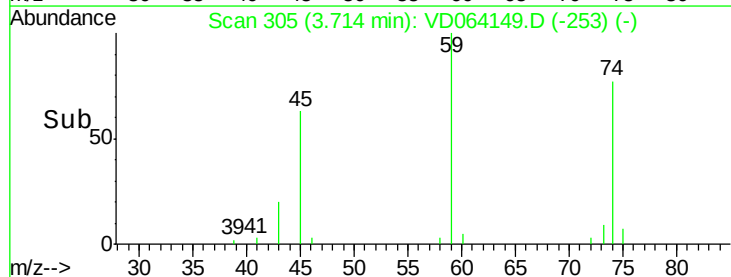
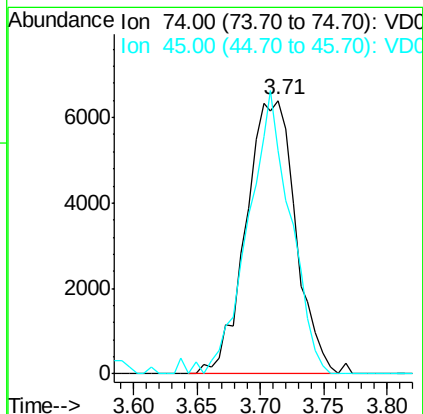
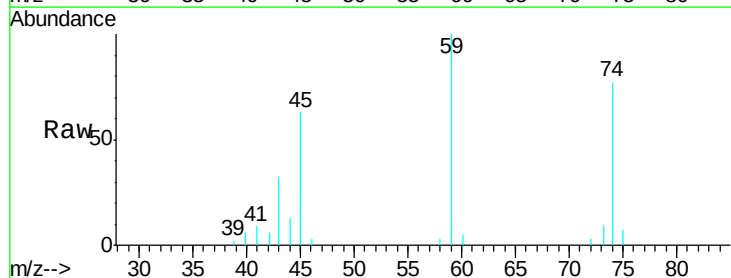
Tgt Ion:101 Resp: 110456
Ion Ratio Lower Upper
101 100
103 62.6 49.6 74.4

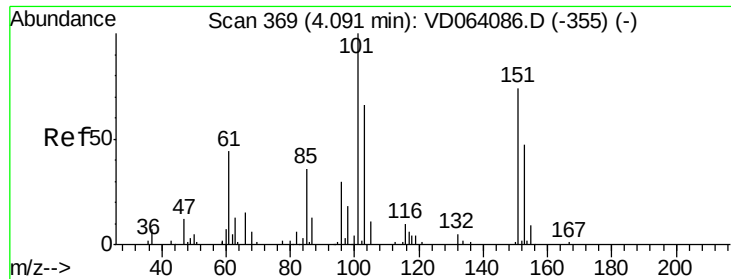


#8

Diethyl Ether
Concen: 18.791 ug/l
RT: 3.71 min Scan# 305
Delta R.T. 0.01 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Tgt Ion: 74 Resp: 17349
Ion Ratio Lower Upper
74 100
45 88.4 44.1 132.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.382 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBSD01

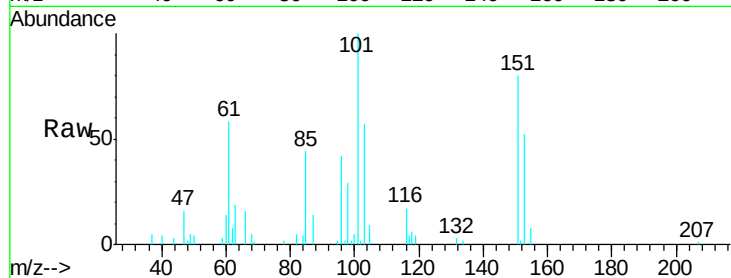
Tgt Ion:101 Resp: 39014

Ion Ratio Lower Upper

101 100

85 44.7 35.3 52.9

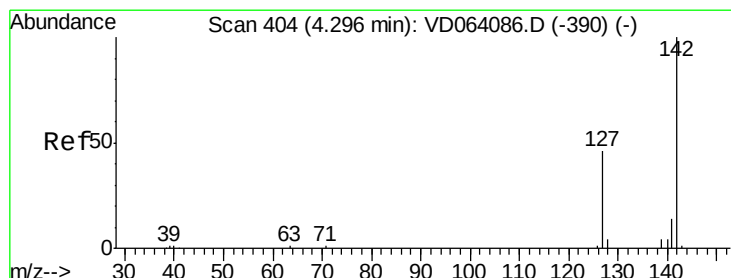
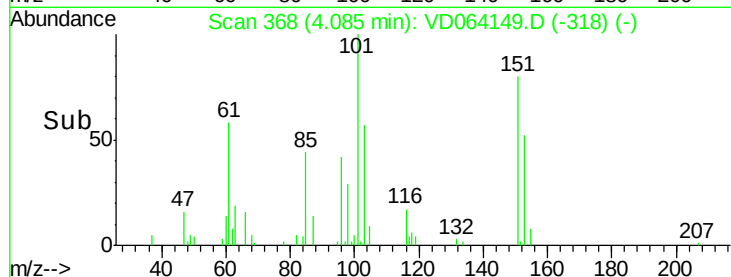
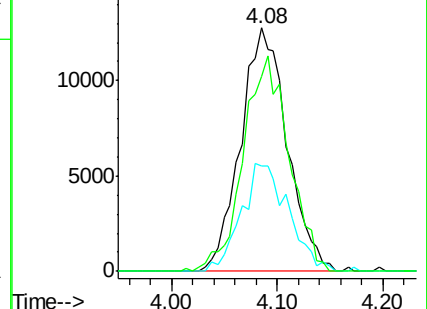
151 87.0 67.0 100.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.899 ug/l

RT: 4.28 min Scan# 402

Delta R.T. -0.01 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

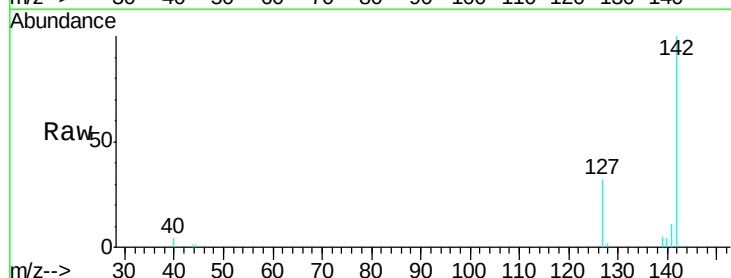
Tgt Ion:142 Resp: 47190

Ion Ratio Lower Upper

142 100

127 44.5 35.1 52.7

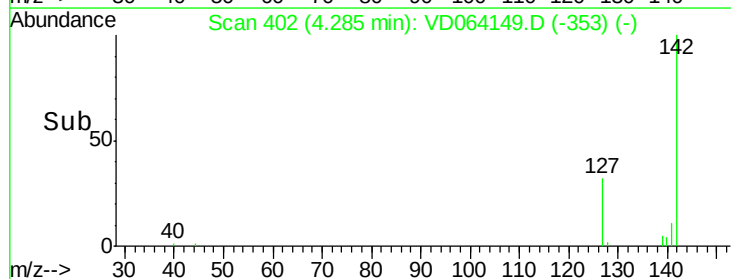
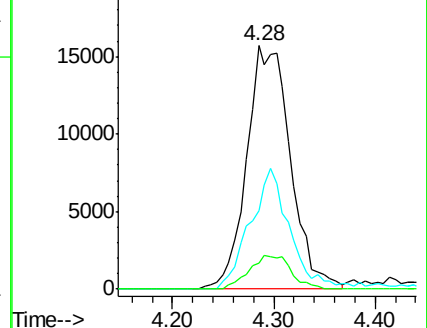
141 13.1 11.6 17.4

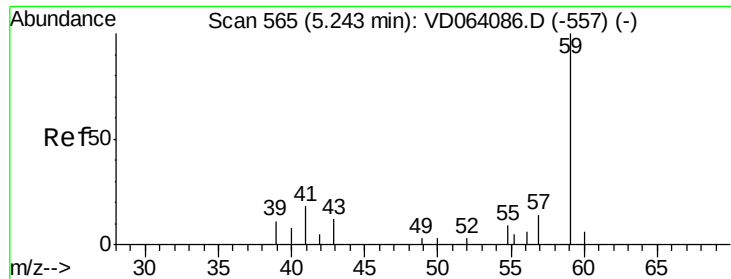


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

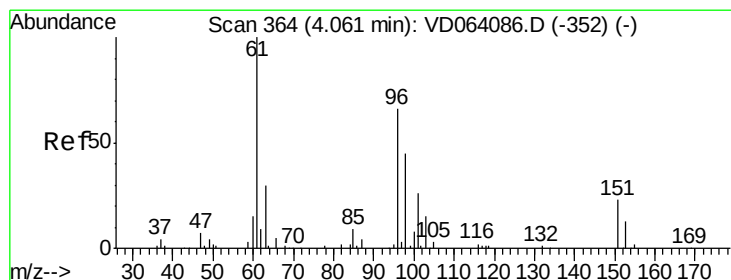
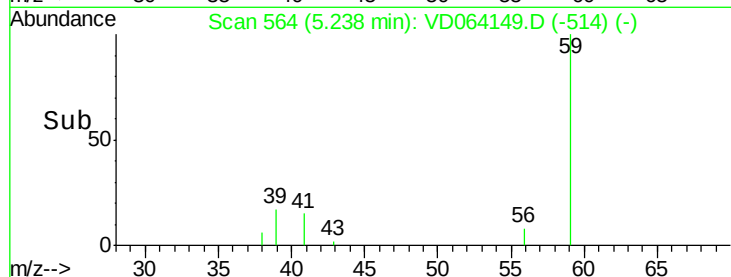
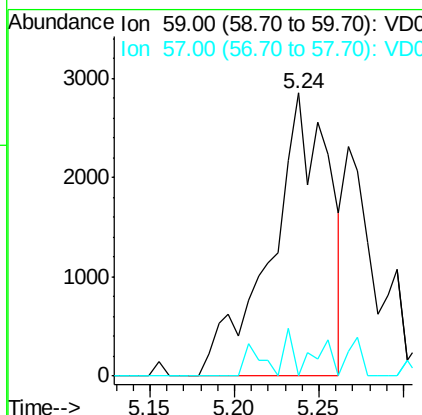
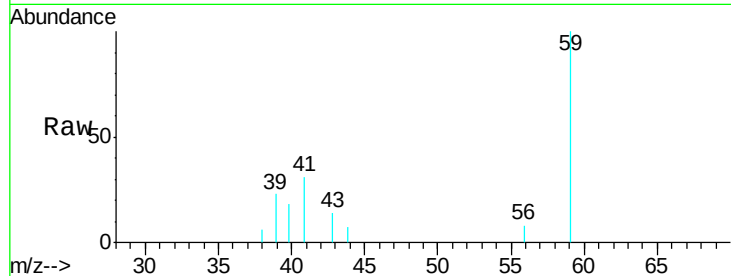




#11
Tert butyl alcohol
Concen: 75.744 ug/l
RT: 5.24 min Scan# 564
Delta R.T. -0.01 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

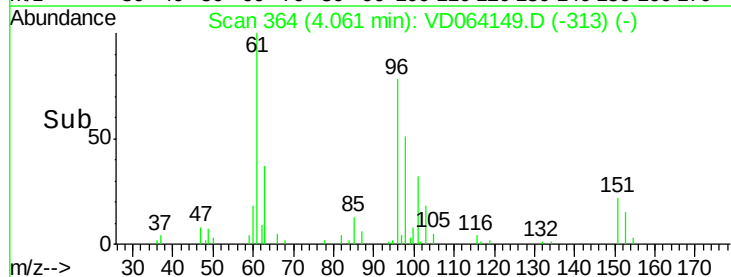
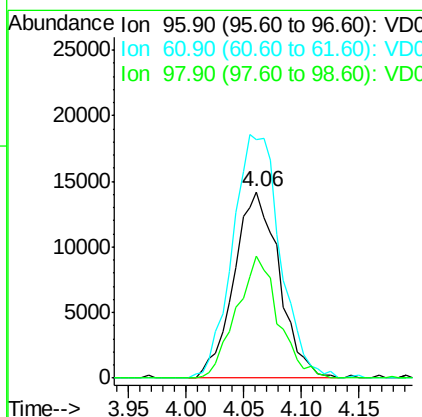
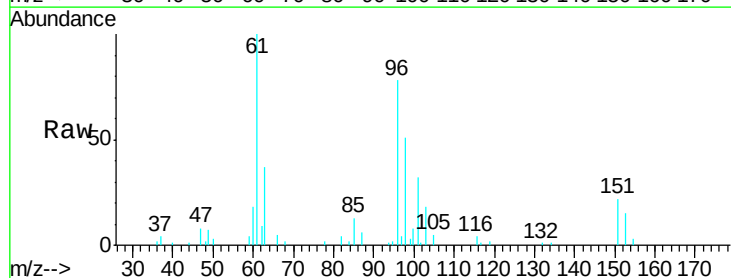
Instrument :
MSVOA_D
ClientSampleId :
VD1101SBSD01

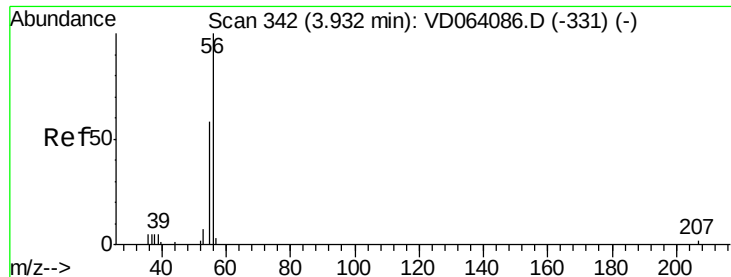
Tgt Ion: 59 Resp: 6816
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#12
1,1-Dichloroethene
Concen: 21.374 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Tgt Ion: 96 Resp: 38721
Ion Ratio Lower Upper
96 100
61 127.8 121.8 182.6
98 65.3 55.4 83.0





#13

Acrolein

Concen: 87.656 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.02 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

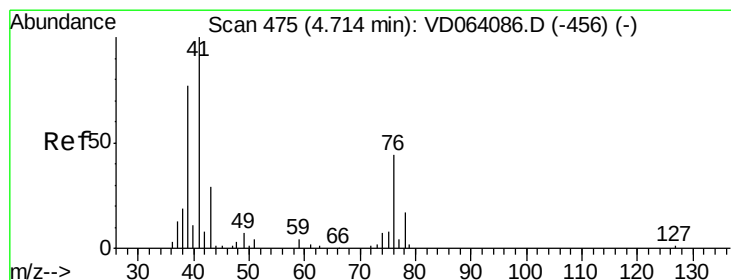
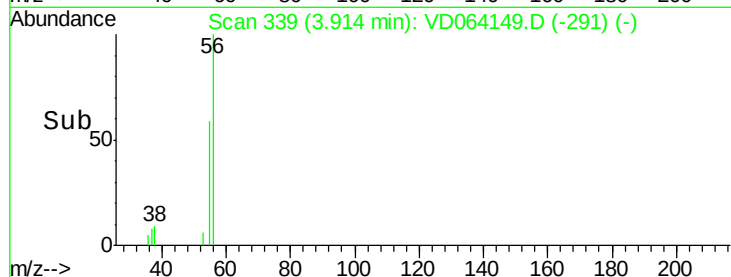
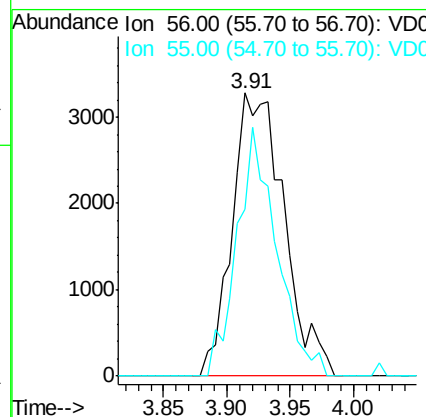
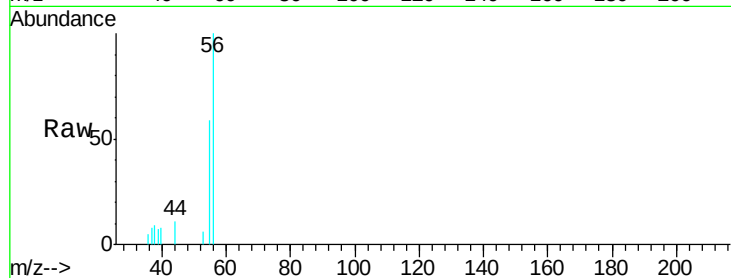
VD1101SBSD01

Tgt Ion: 56 Resp: 9283

Ion Ratio Lower Upper

56 100

55 67.3 53.8 80.6



#14

Allyl chloride

Concen: 20.693 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

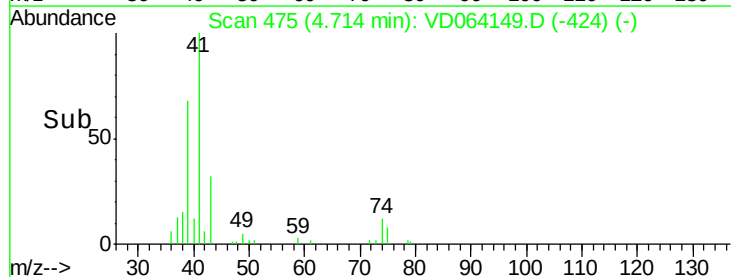
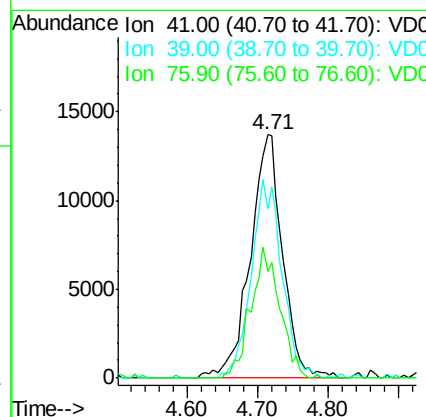
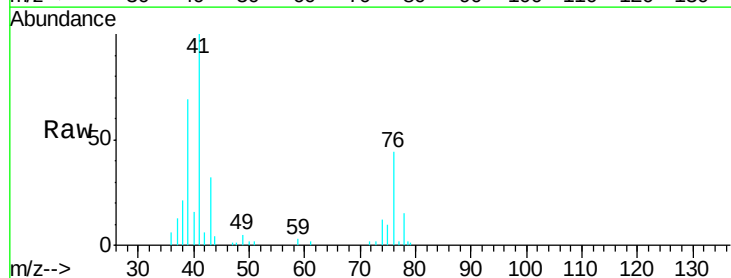
Tgt Ion: 41 Resp: 43875

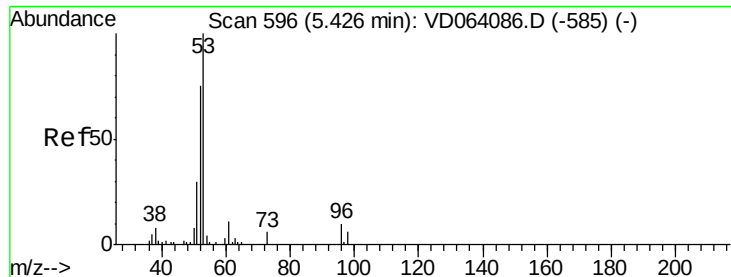
Ion Ratio Lower Upper

41 100

39 77.2 61.5 92.3

76 47.8 36.2 54.4





#15

Acrylonitrile

Concen: 101.591 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBSD01

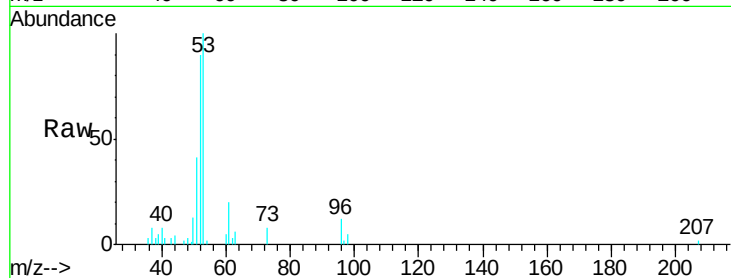
Tgt Ion: 53 Resp: 34646

Ion Ratio Lower Upper

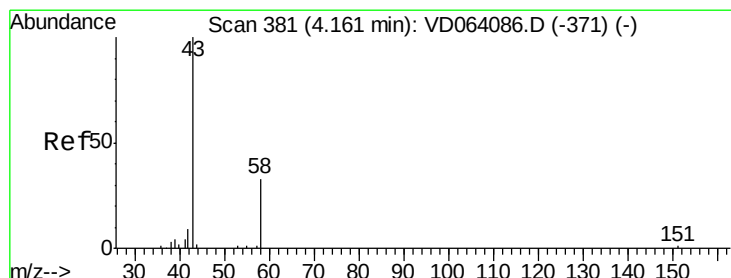
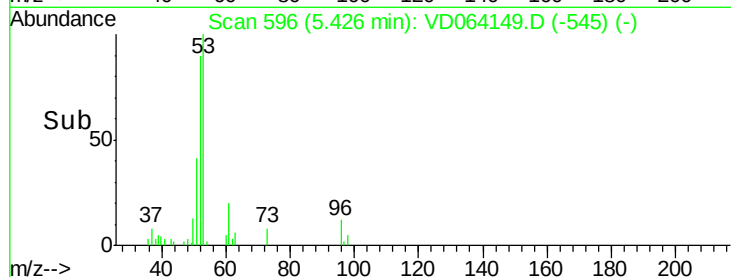
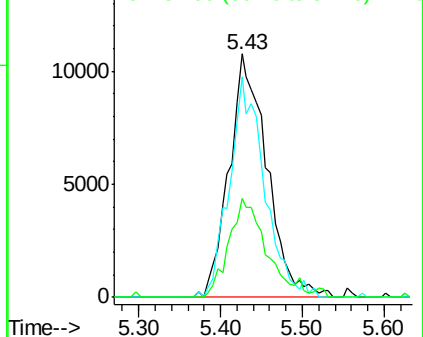
53 100

52 82.7 66.2 99.4

51 40.3 29.0 43.6



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: 103.133 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD064149.D

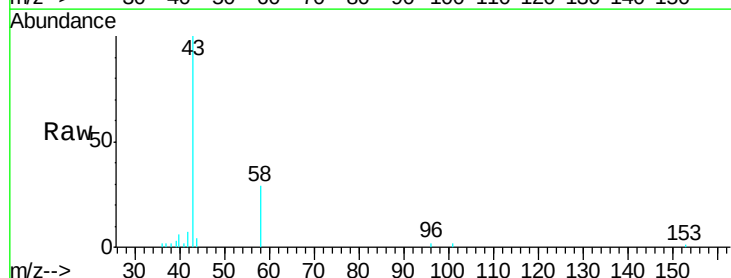
Acq: 01 Nov 2019 13:27

Tgt Ion: 43 Resp: 32592

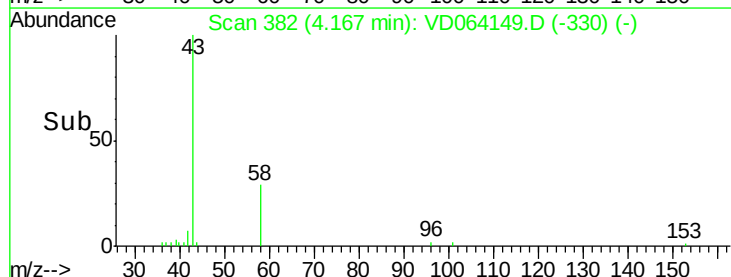
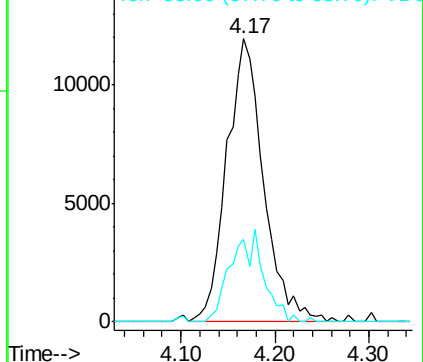
Ion Ratio Lower Upper

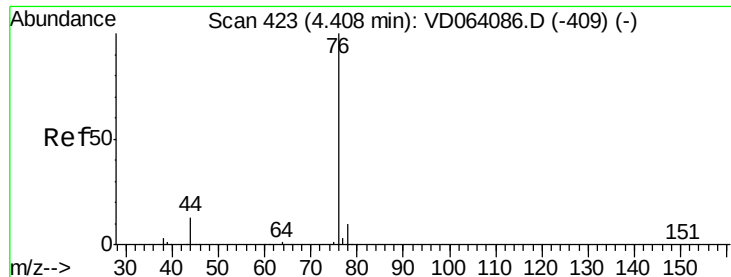
43 100

58 28.9 26.3 39.5



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

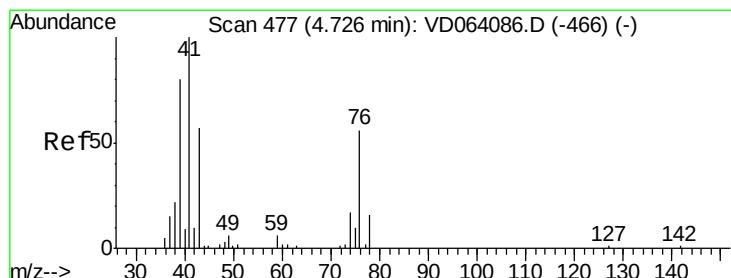
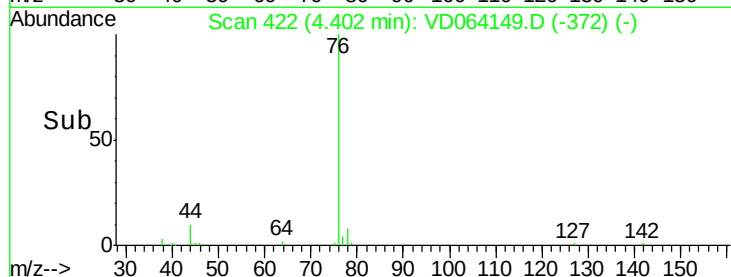
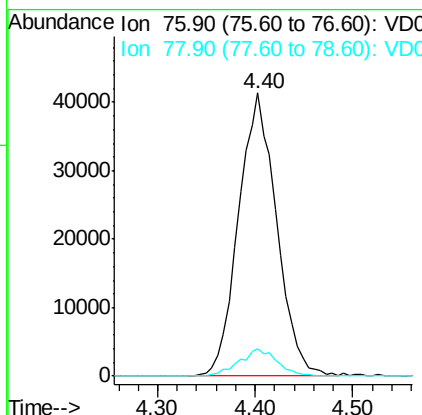
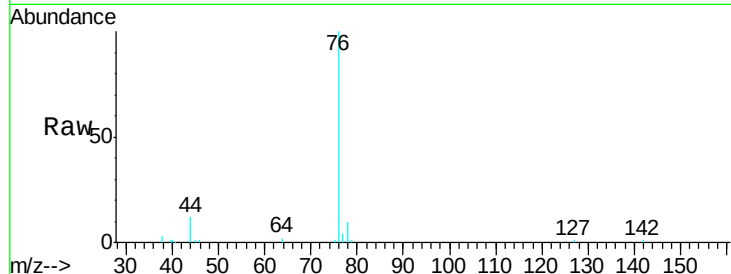




#17
Carbon Disulfide
Concen: 20.188 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

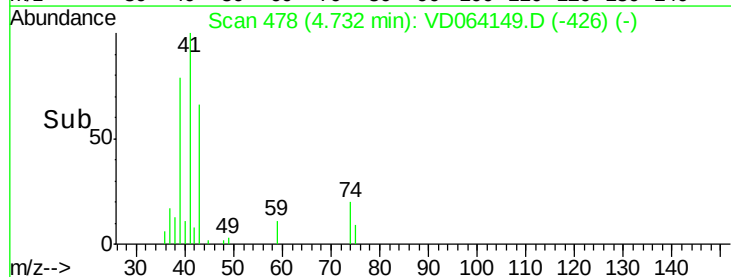
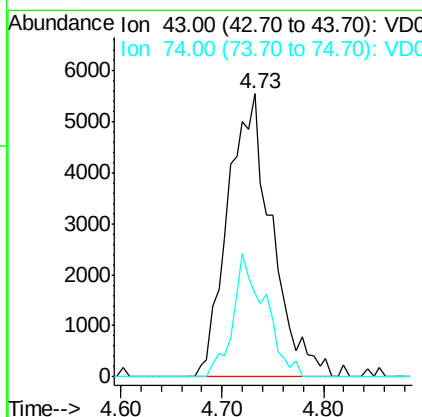
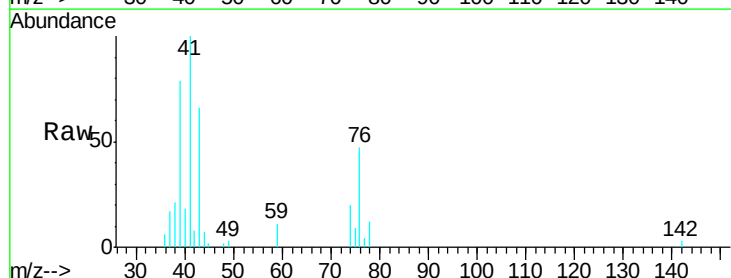
Instrument :
MSVOA_D
ClientSampleId :
VD1101SBSD01

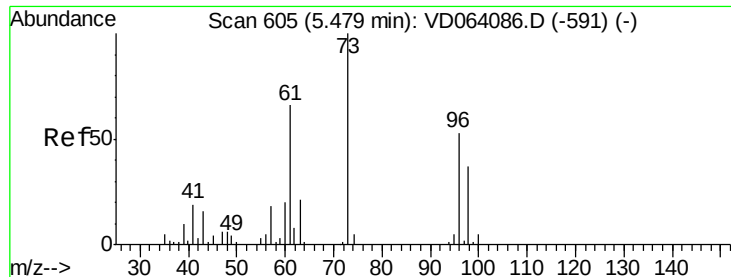
Tgt Ion: 76 Resp: 112388
Ion Ratio Lower Upper
76 100
78 9.7 8.1 12.1



#18
Methyl Acetate
Concen: 19.957 ug/l
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Tgt Ion: 43 Resp: 16776
Ion Ratio Lower Upper
43 100
74 31.7 22.2 33.4

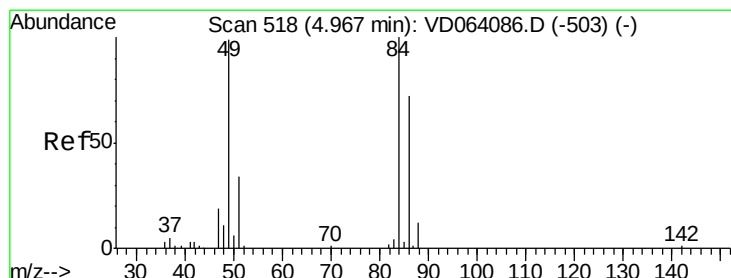
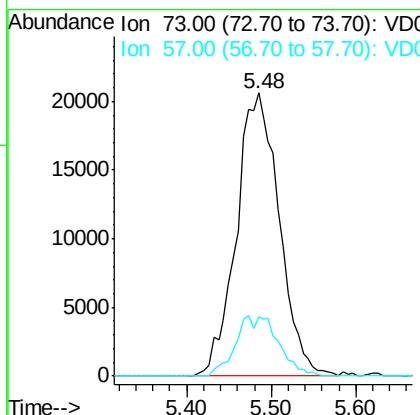
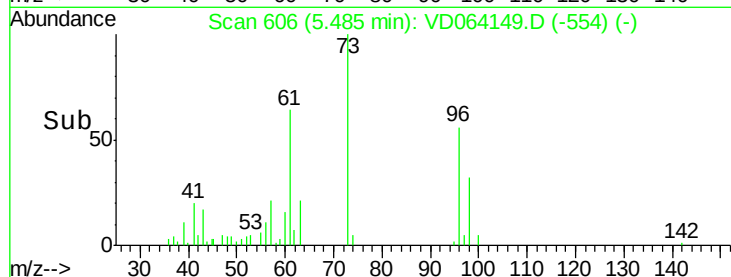
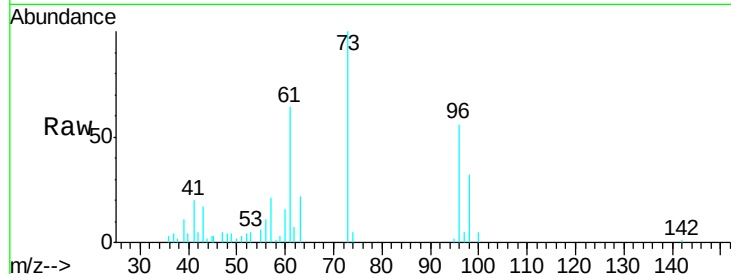




#19
Methyl tert-butyl Ether
Concen: 19.734 ug/l
RT: 5.48 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

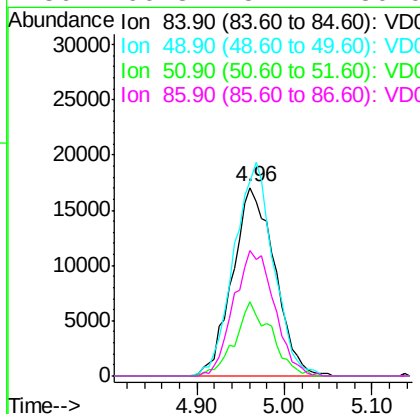
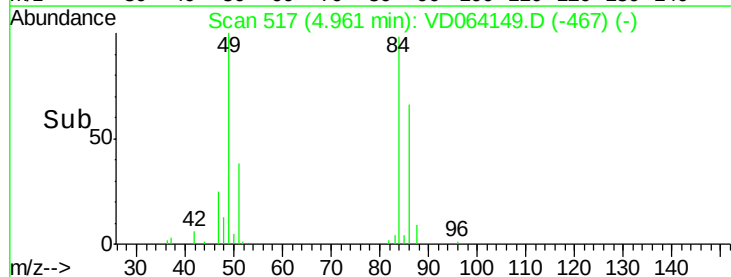
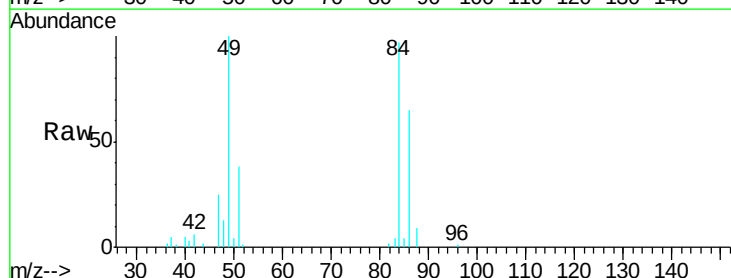
Instrument :
MSVOA_D
ClientSampleId :
VD1101SBSD01

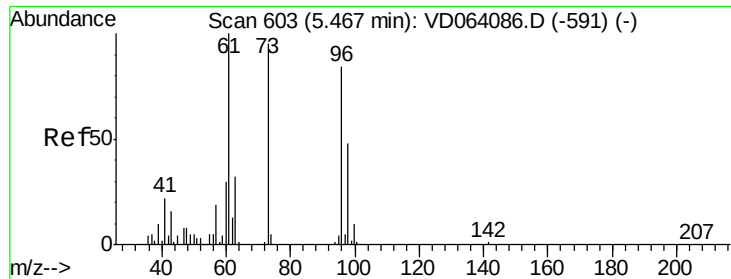
Tgt Ion: 73 Resp: 72541
Ion Ratio Lower Upper
73 100
57 21.0 14.3 21.5



#20
Methylene Chloride
Concen: 25.742 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Tgt Ion: 84 Resp: 55962
Ion Ratio Lower Upper
84 100
49 103.1 79.4 119.0
51 39.1 27.4 41.2
86 66.8 57.4 86.0





#21

trans-1,2-Dichloroethene

Concen: 21.896 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBSD01

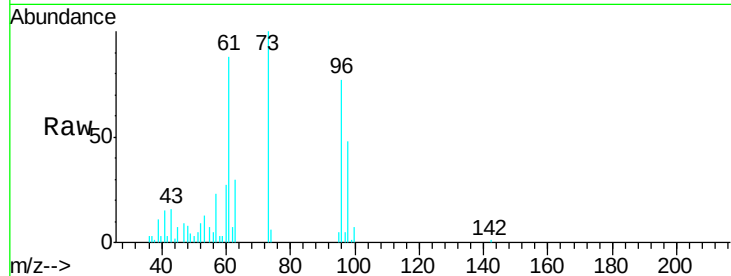
Tgt Ion: 96 Resp: 44527

Ion Ratio Lower Upper

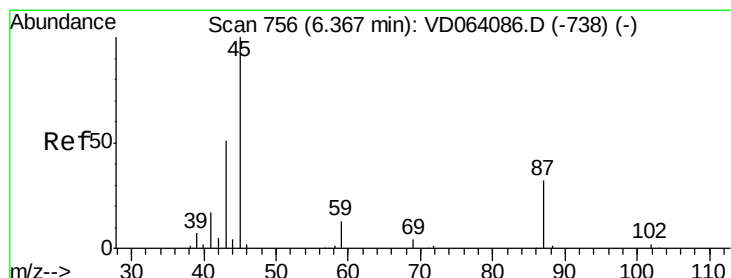
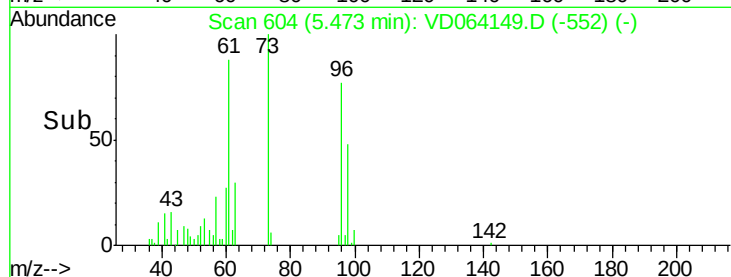
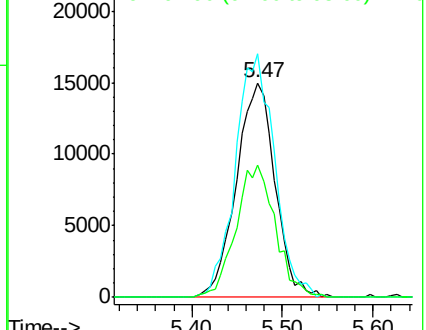
96 100

61 113.7 95.0 142.6

98 61.7 45.8 68.8



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



#22

Diisopropyl ether

Concen: 20.090 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Tgt Ion: 45 Resp: 94340

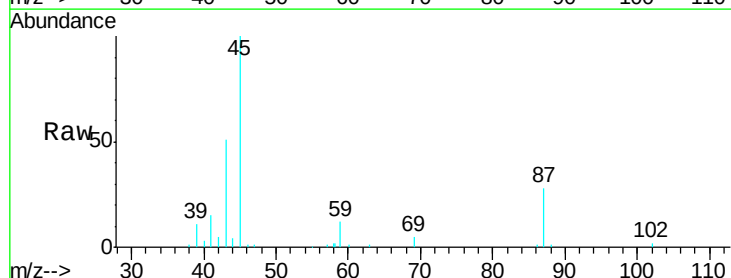
Ion Ratio Lower Upper

45 100

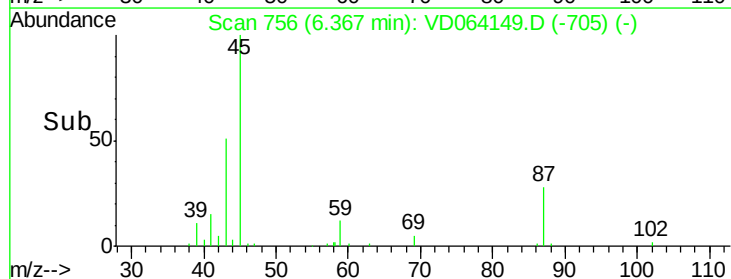
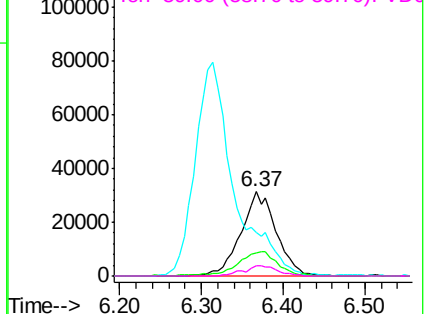
43 49.9 44.3 66.5

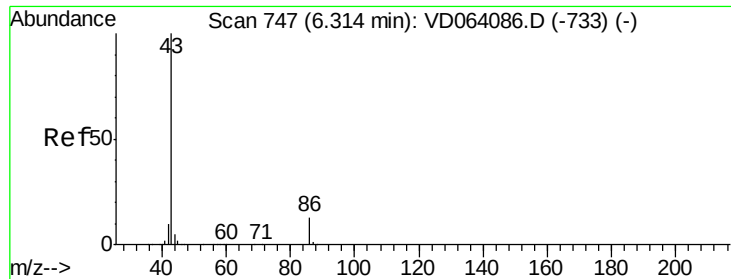
87 28.1 26.6 39.8

59 12.4 10.2 15.2



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





#23

Vinyl Acetate

Concen: 102.649 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

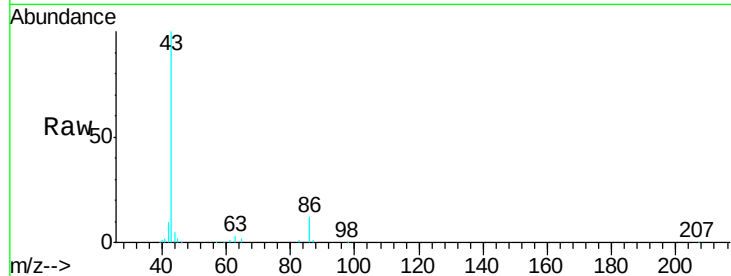
VD1101SBSD01

Tgt Ion: 43 Resp: 264219

Ion Ratio Lower Upper

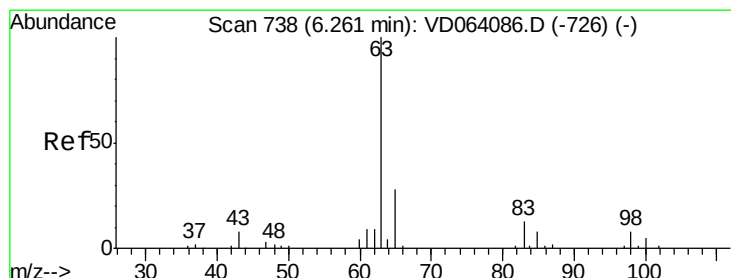
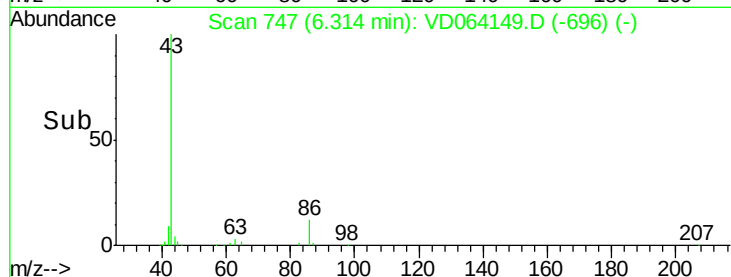
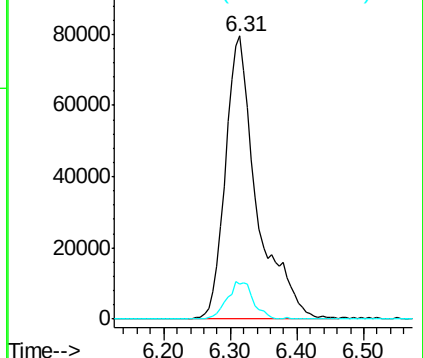
43 100

86 12.3 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.851 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

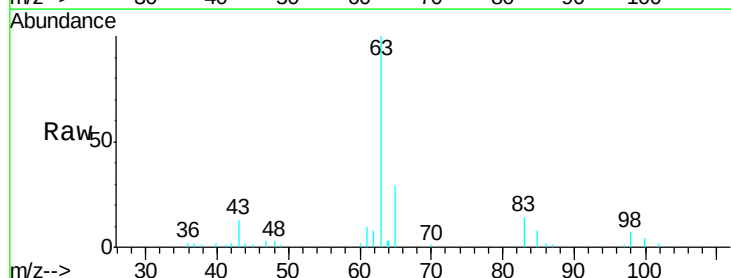
Tgt Ion: 63 Resp: 66118

Ion Ratio Lower Upper

63 100

98 7.2 4.0 11.9

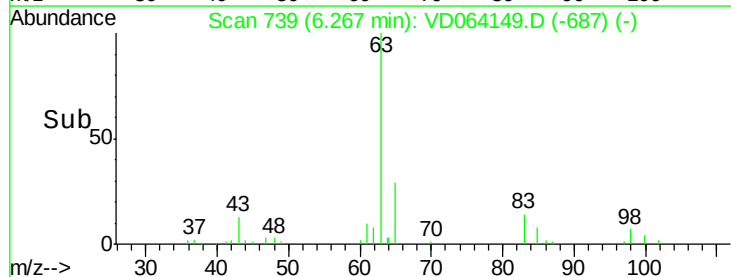
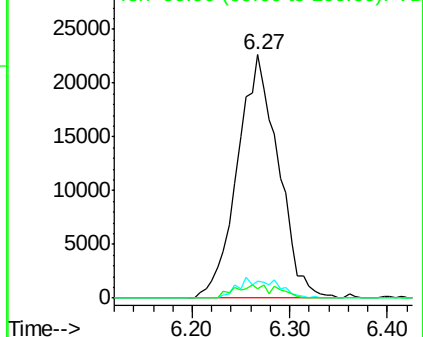
100 4.1 2.6 7.8

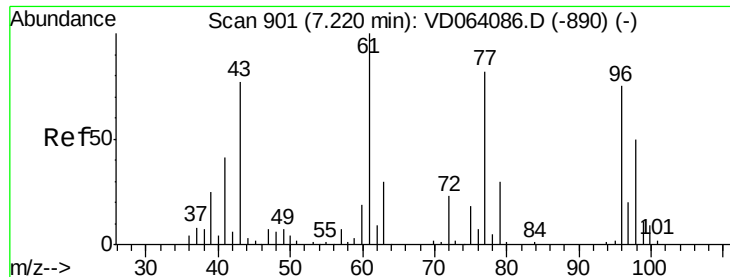


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 97.866 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

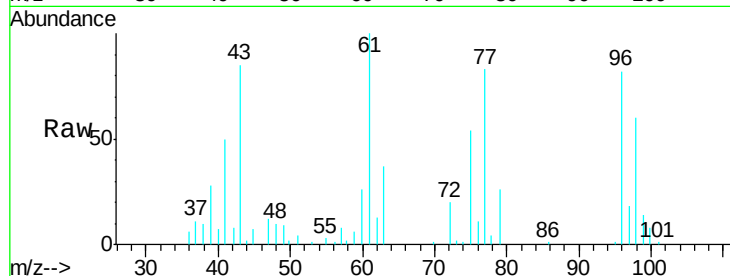
VD1101SBSD01

Tgt Ion: 43 Resp: 42756

Ion Ratio Lower Upper

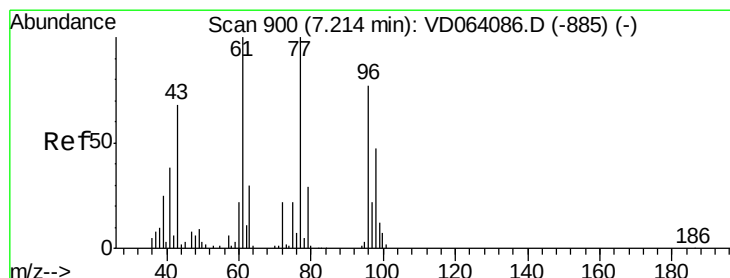
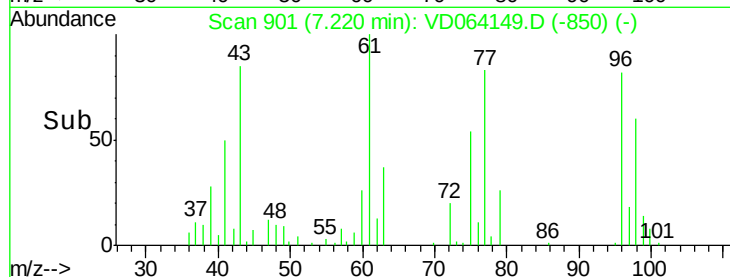
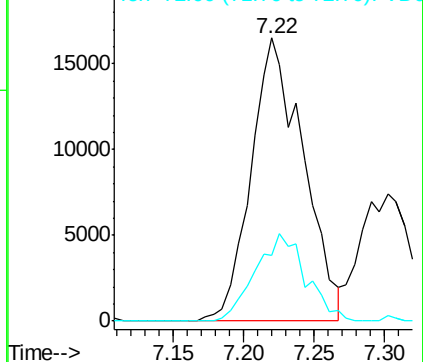
43 100

72 23.1 23.4 35.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.159 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064149.D

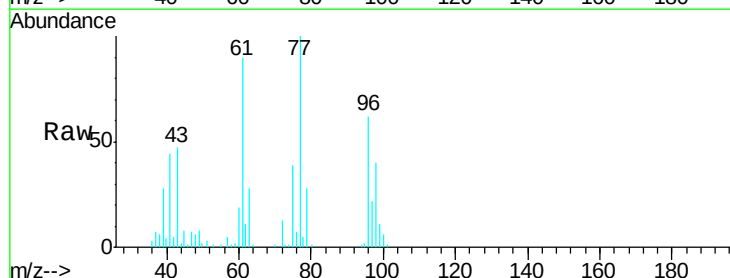
Acq: 01 Nov 2019 13:27

Tgt Ion: 77 Resp: 60672

Ion Ratio Lower Upper

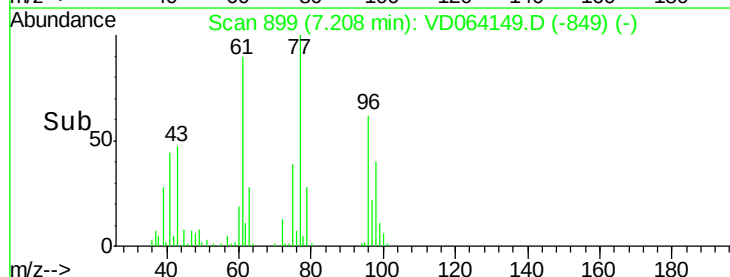
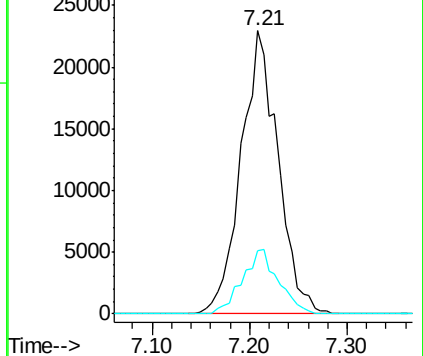
77 100

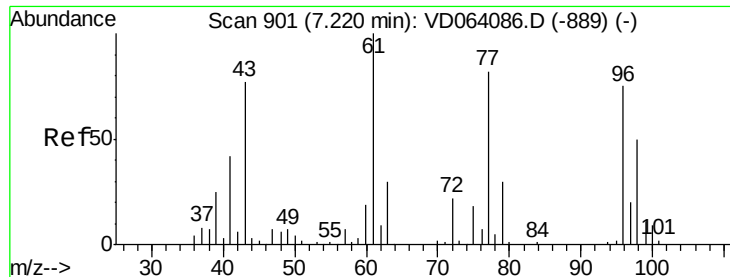
97 22.0 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



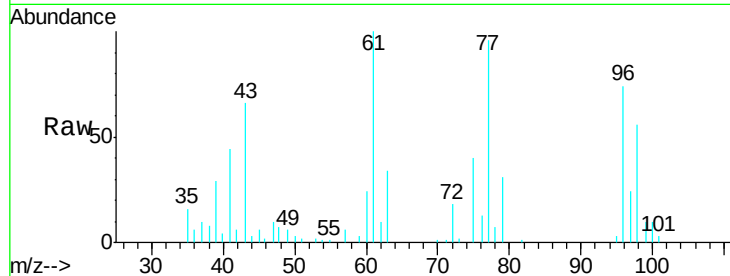


#27

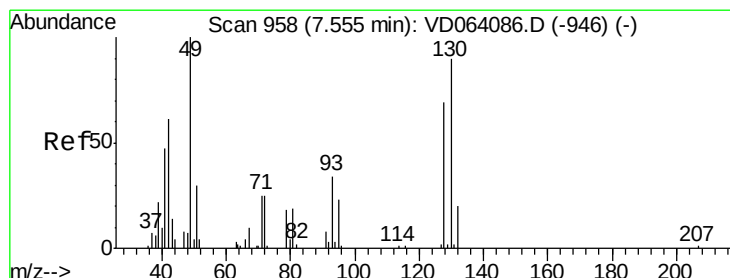
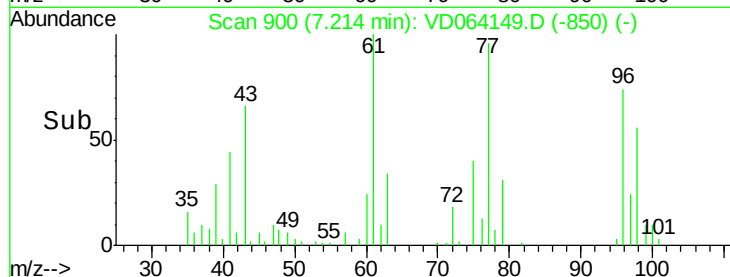
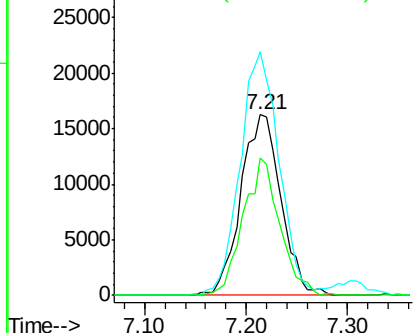
cis-1,2-Dichloroethene
Concen: 19.611 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBSD01

Tgt Ion: 96 Resp: 44626
Ion Ratio Lower Upper
96 100
61 131.0 0.0 258.0
98 68.9 0.0 130.8



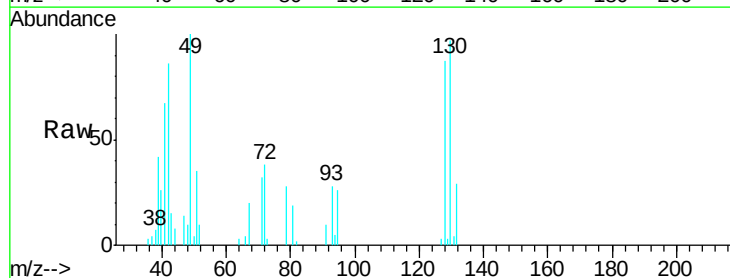
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



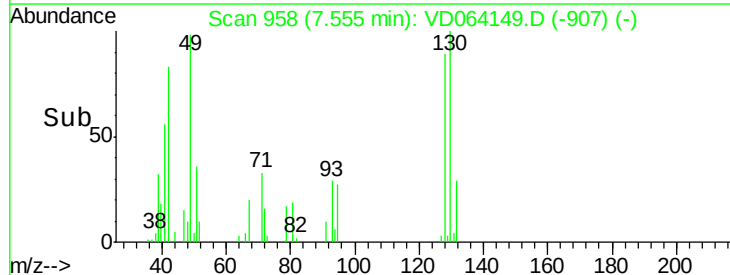
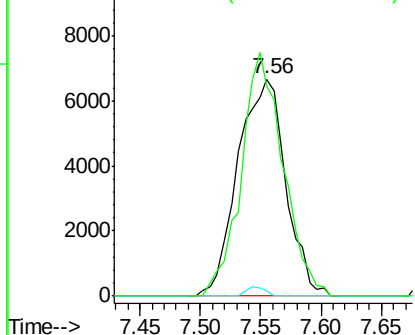
#28

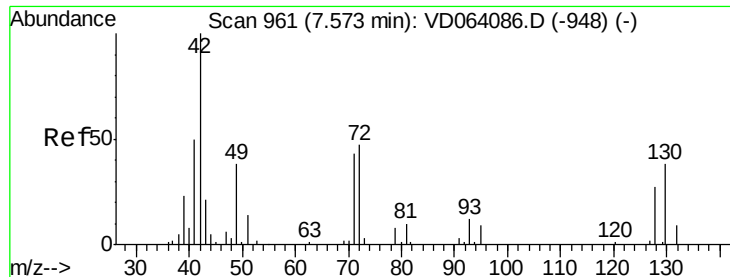
Bromochloromethane
Concen: 16.433 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.00 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Tgt Ion: 49 Resp: 18356
Ion Ratio Lower Upper
49 100
129 1.7 0.0 5.4
130 98.3 75.3 112.9



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

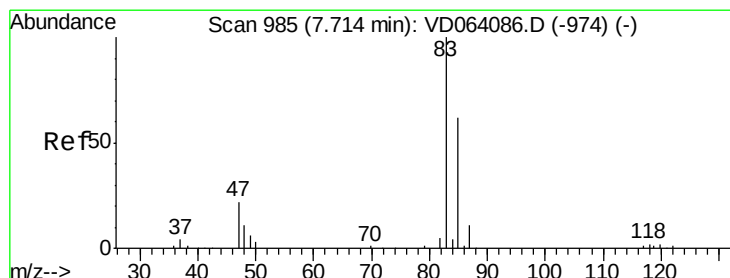
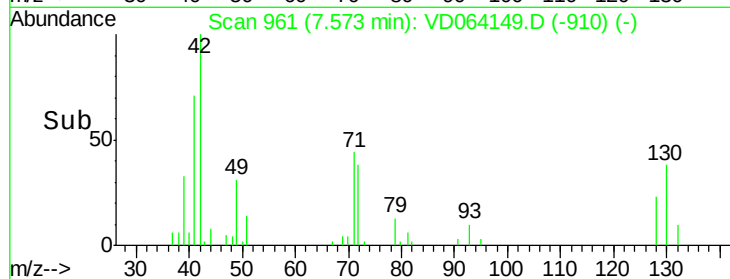
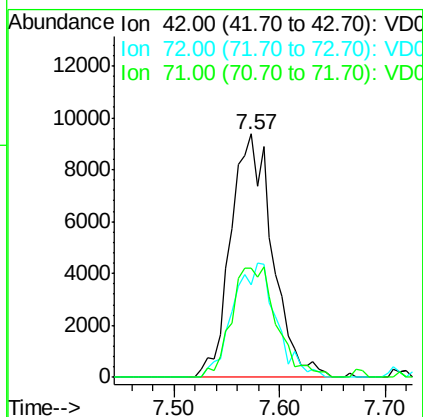
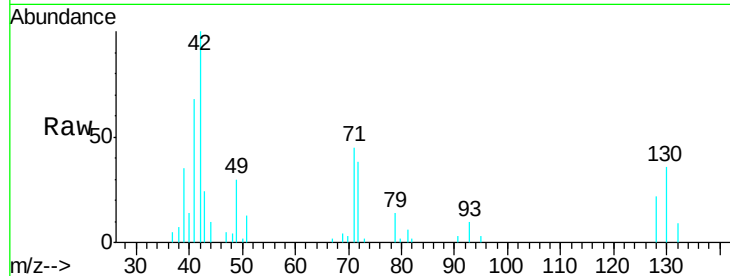




#29
Tetrahydrofuran
Concen: 100.838 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

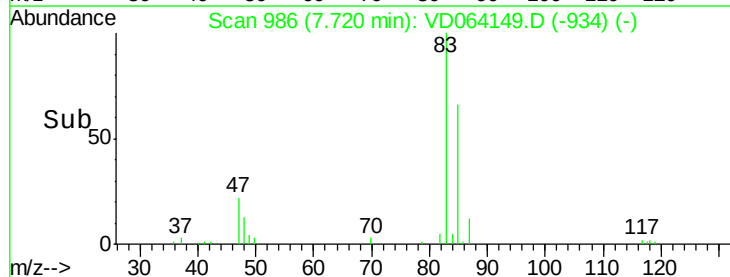
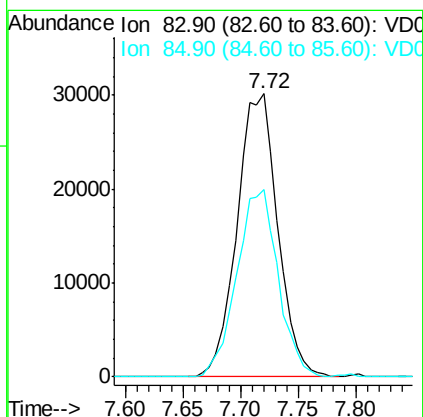
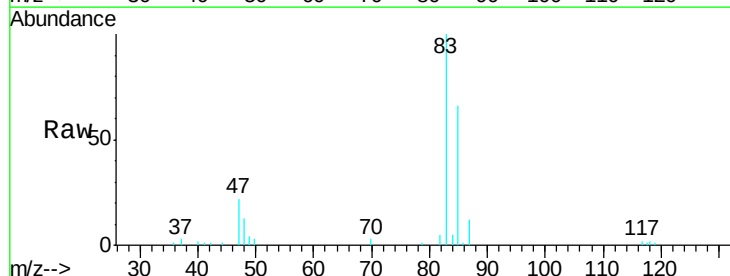
Instrument :
MSVOA_D
ClientSampleId :
VD1101SBSD01

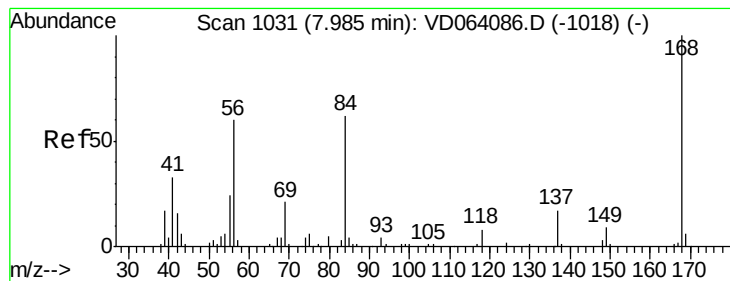
Tgt Ion: 42 Resp: 25711
Ion Ratio Lower Upper
42 100
72 48.6 38.9 58.3
71 49.0 35.4 53.2



#30
Chloroform
Concen: 20.379 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Tgt Ion: 83 Resp: 73945
Ion Ratio Lower Upper
83 100
85 66.3 49.8 74.6





#31

Cyclohexane

Concen: 18.496 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBSD01

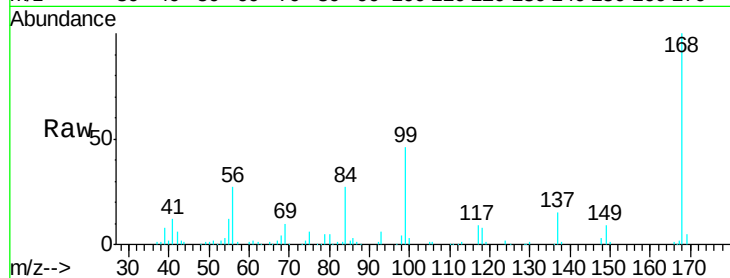
Tgt Ion: 56 Resp: 57139

Ion Ratio Lower Upper

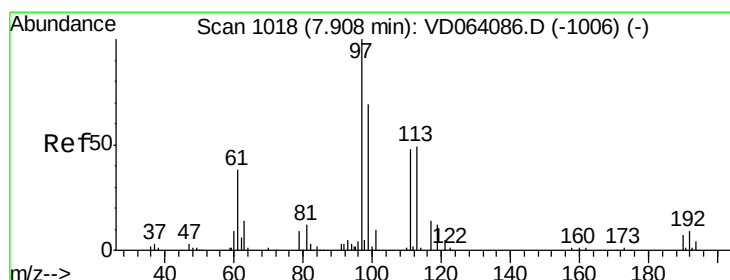
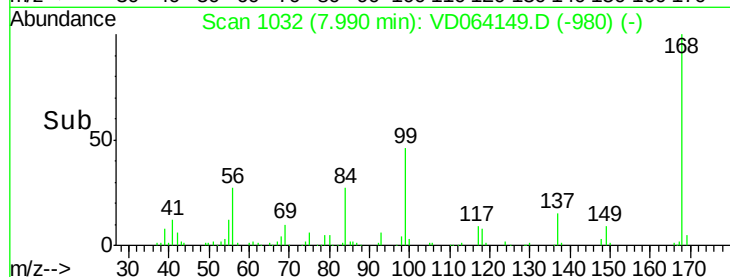
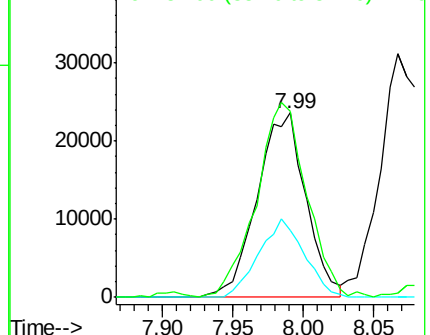
56 100

69 36.5 27.7 41.5

84 99.4 83.1 124.7



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



#32

1,1,1-Trichloroethane

Concen: 21.191 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

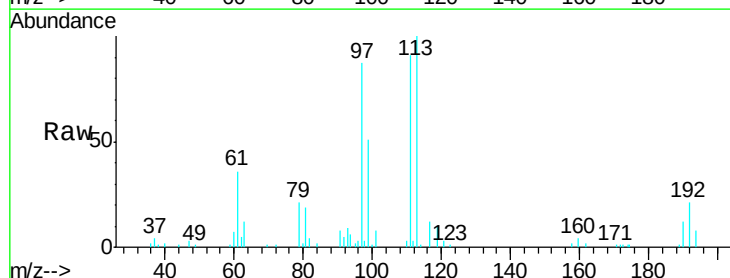
Tgt Ion: 97 Resp: 71576

Ion Ratio Lower Upper

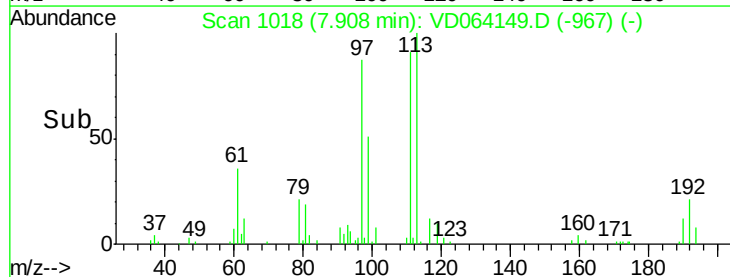
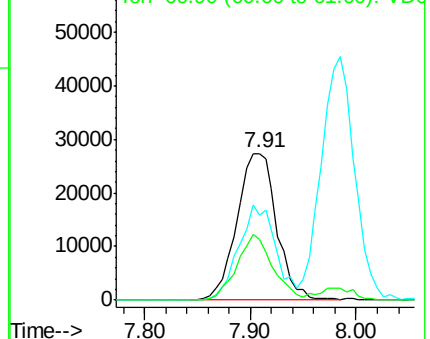
97 100

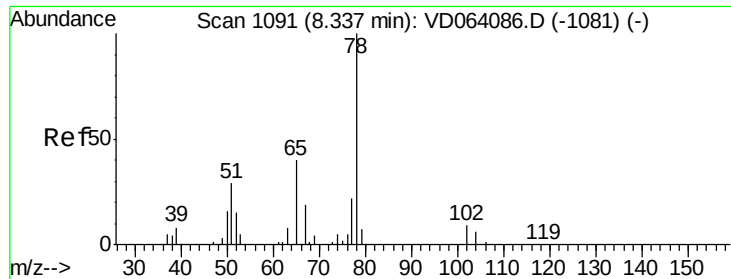
99 60.5 53.7 80.5

61 40.1 31.8 47.6



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

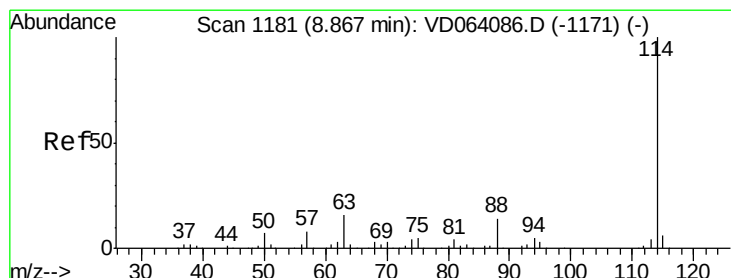
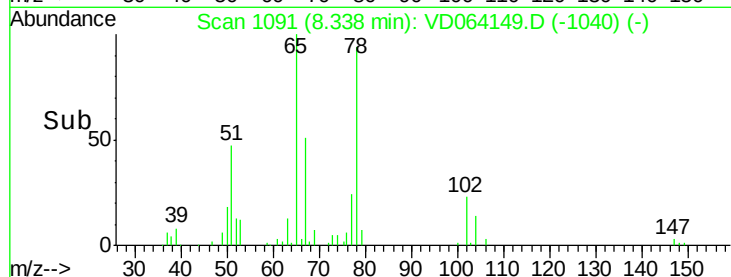
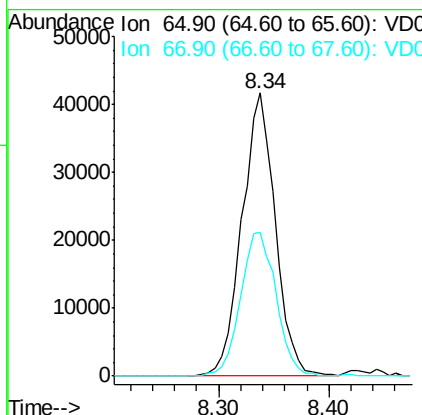
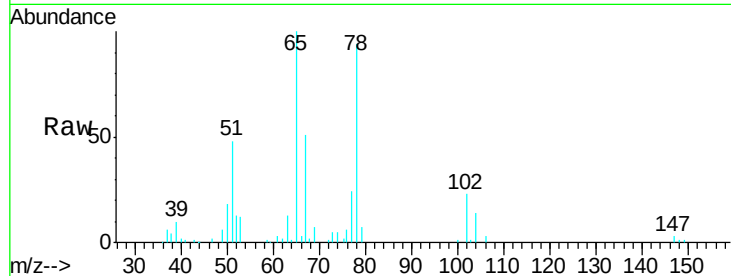




#33
 1,2-Dichloroethane-d4
 Concen: 53.275 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD064149.D
 Acq: 01 Nov 2019 13:27

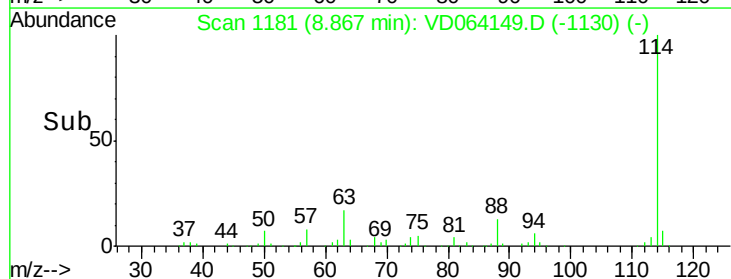
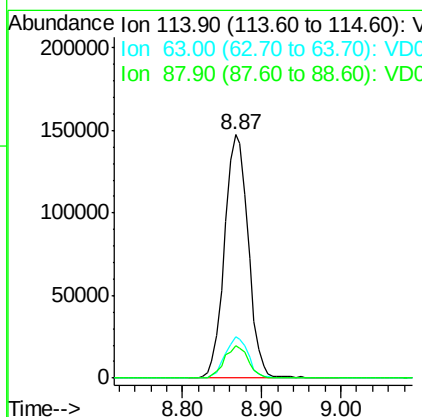
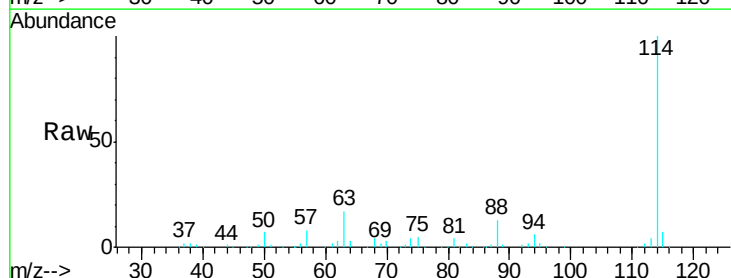
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBSD01

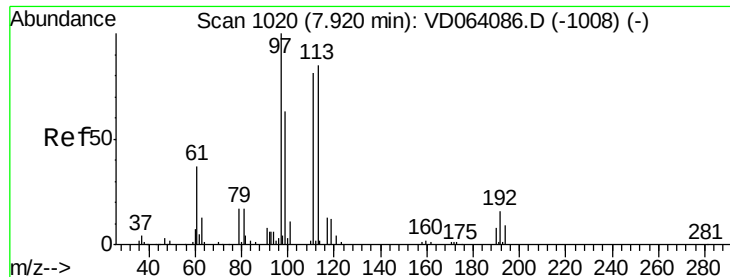
Tgt Ion: 65 Resp: 88485
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064149.D
 Acq: 01 Nov 2019 13:27

Tgt Ion: 114 Resp: 305153
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 32.8
 88 13.1 0.0 27.6

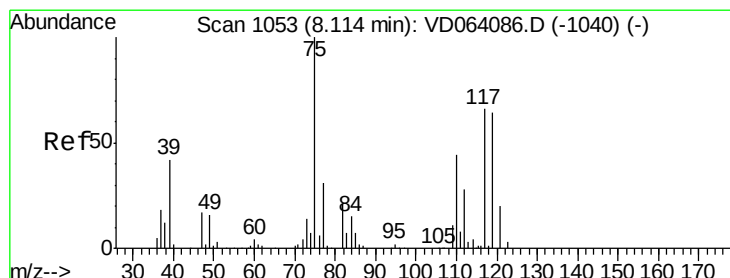
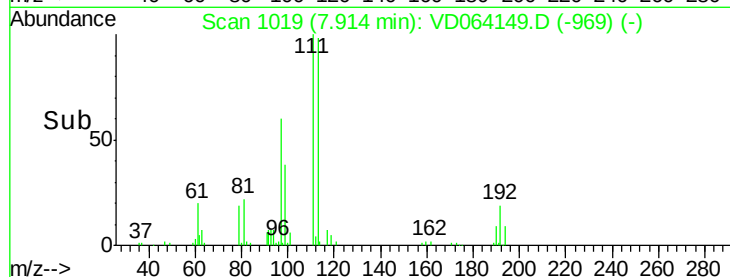
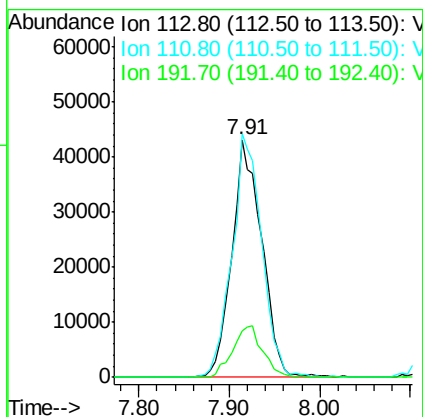
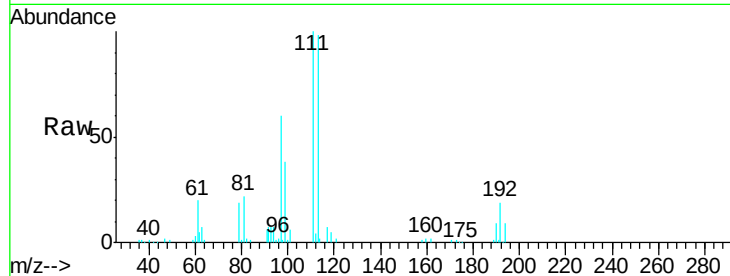




#35
 Dibromofluoromethane
 Concen: 52.692 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064149.D
 Acq: 01 Nov 2019 13:27

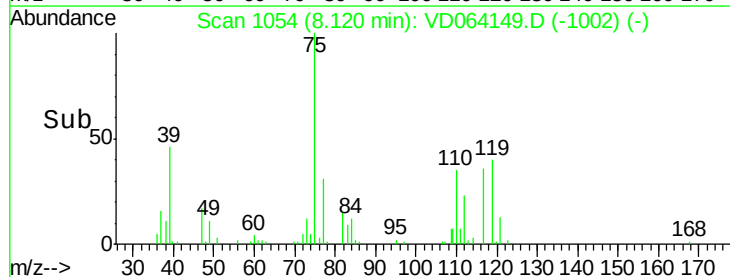
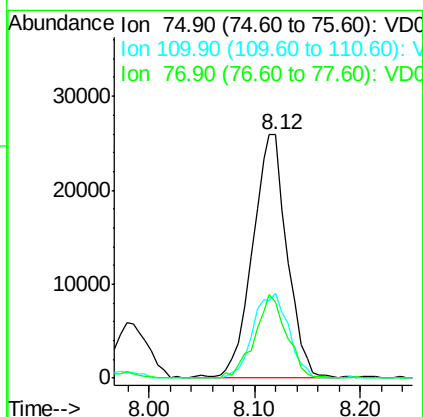
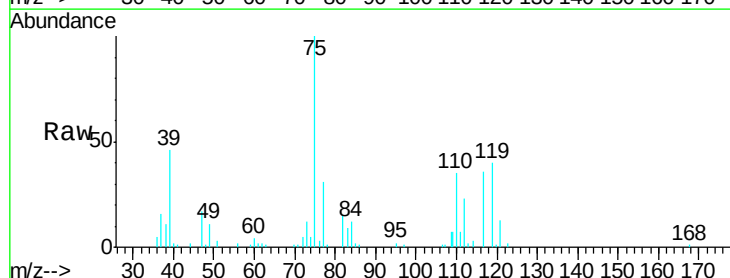
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBSD01

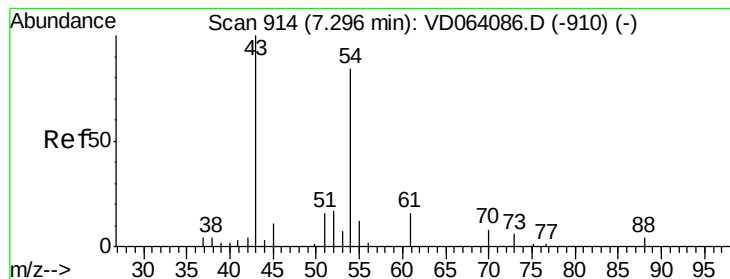
Tgt Ion: 113 Resp: 98924
 Ion Ratio Lower Upper
 113 100
 111 101.9 79.3 118.9
 192 21.8 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 20.600 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD064149.D
 Acq: 01 Nov 2019 13:27

Tgt Ion: 75 Resp: 58902
 Ion Ratio Lower Upper
 75 100
 110 35.8 20.0 59.9
 77 31.6 24.7 37.1





#37

Ethyl Acetate

Concen: 23.060 ug/l

RT: 7.30 min Scan# 915

Delta R.T. 0.01 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBSD01

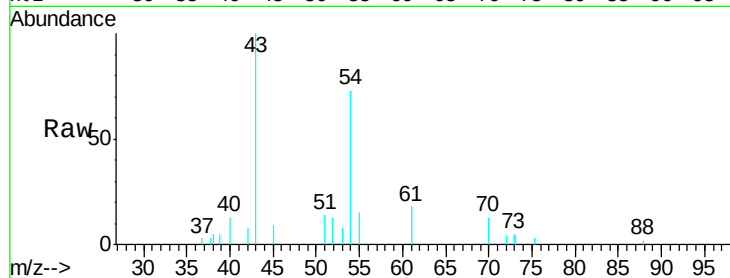
Tgt Ion: 43 Resp: 20295

Ion Ratio Lower Upper

43 100

61 15.2 12.0 18.0

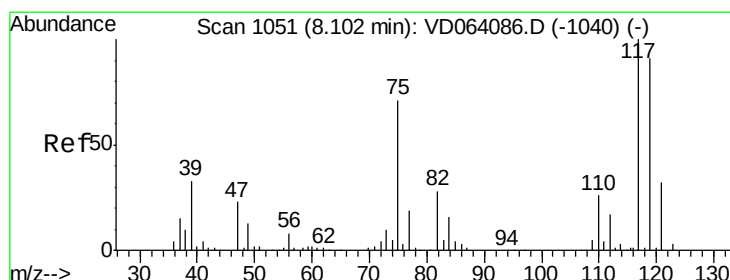
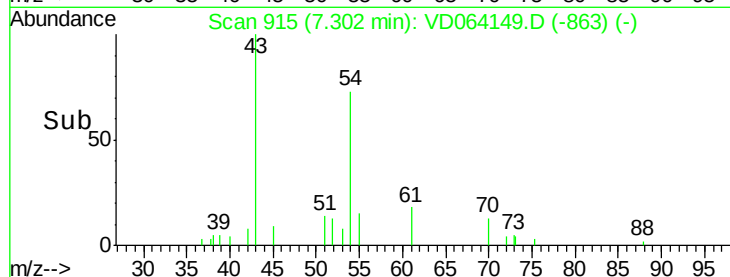
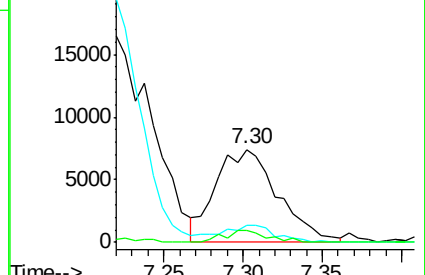
70 8.9 3.8 5.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 20.071 ug/l

RT: 8.10 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

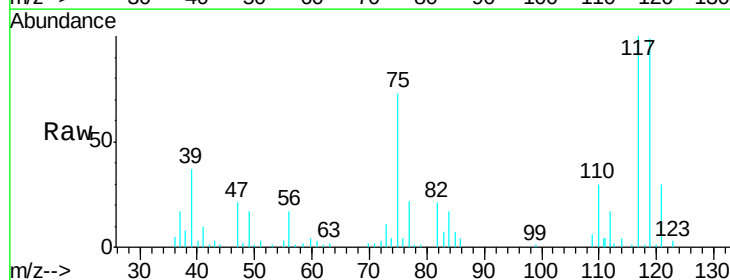
Tgt Ion: 117 Resp: 62618

Ion Ratio Lower Upper

117 100

119 99.3 72.6 108.8

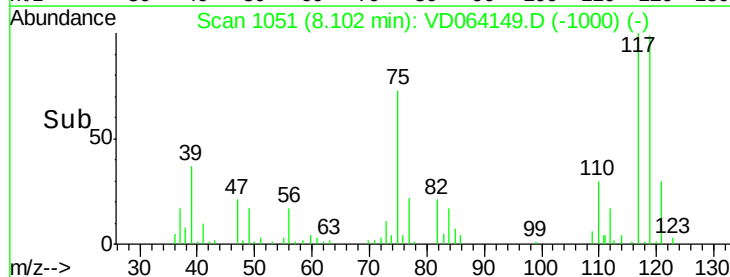
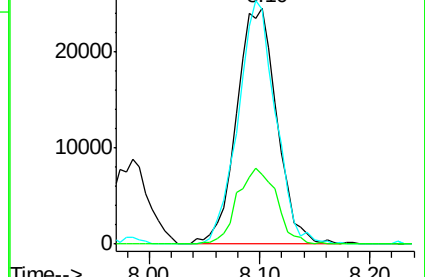
121 29.5 25.8 38.6

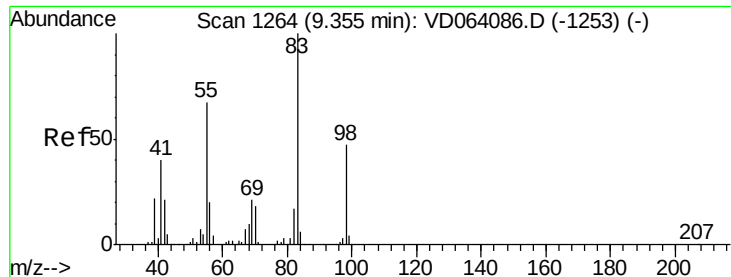


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

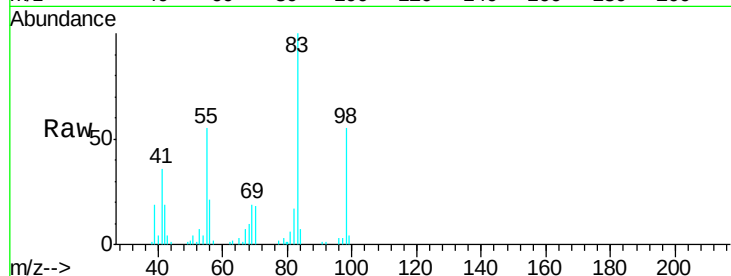




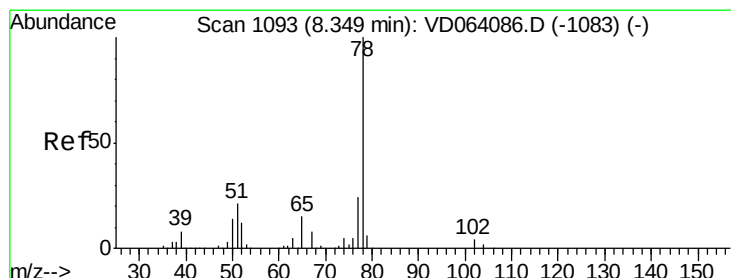
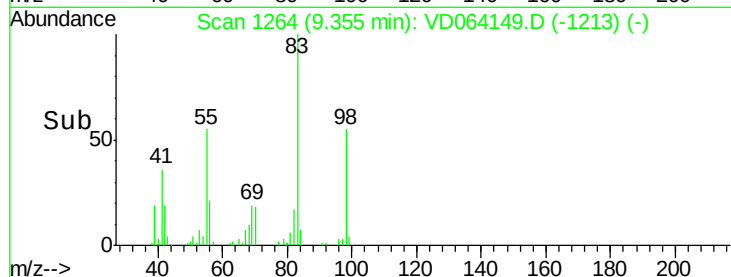
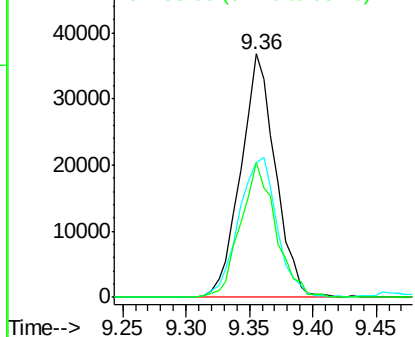
#39
Methylcyclohexane
Concen: 19.933 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBSD01

Tgt Ion: 83 Resp: 69967
Ion Ratio Lower Upper
83 100
55 55.3 53.4 80.0
98 55.5 37.8 56.6

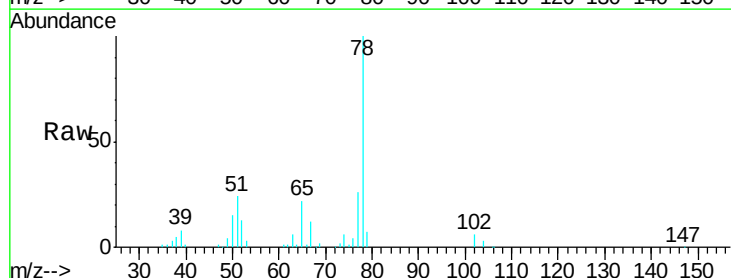


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

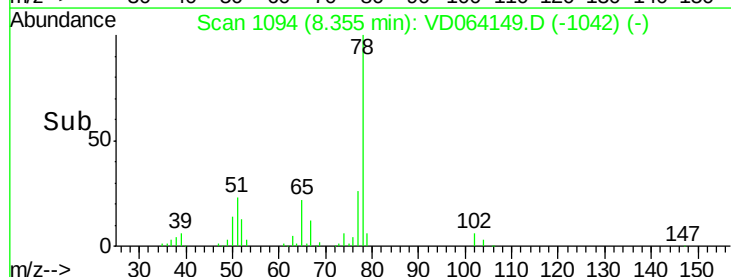
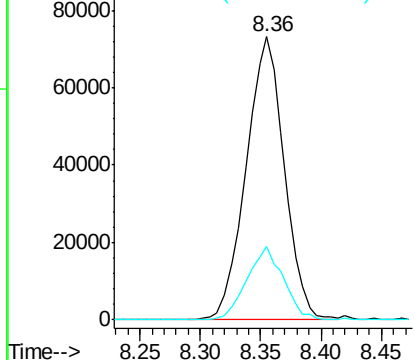


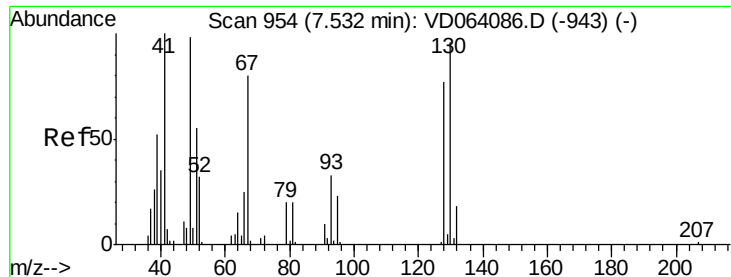
#40
Benzene
Concen: 20.589 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Tgt Ion: 78 Resp: 160538
Ion Ratio Lower Upper
78 100
77 26.1 19.0 28.4



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





#41

Methacrylonitrile

Concen: 22.982 ug/l

RT: 7.54 min Scan# 955

Delta R.T. 0.01 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBSD01

Tgt Ion: 41 Resp: 11673

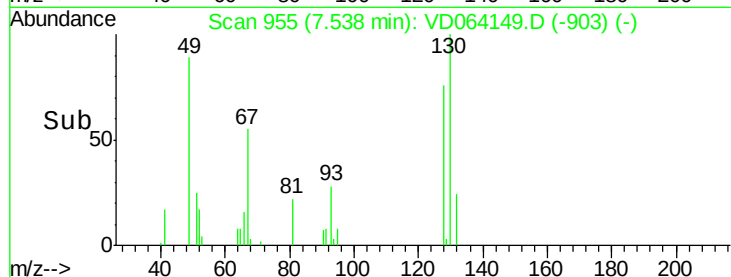
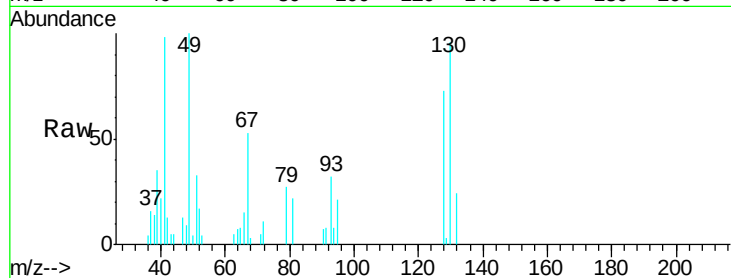
Ion Ratio Lower Upper

41 100

39 51.9 41.0 61.4

67 77.2 73.4 110.0

52 33.4 27.3 40.9

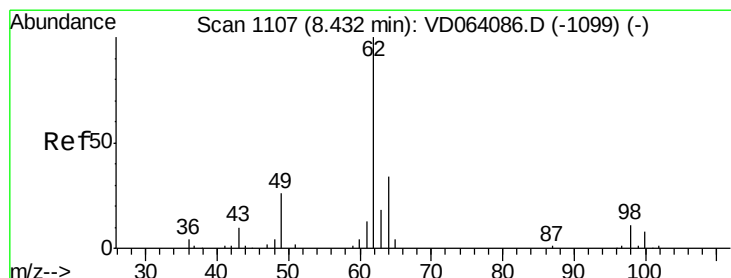
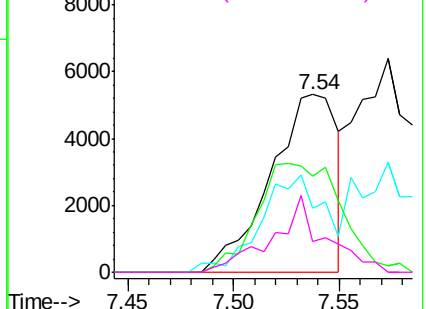


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 21.401 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD064149.D

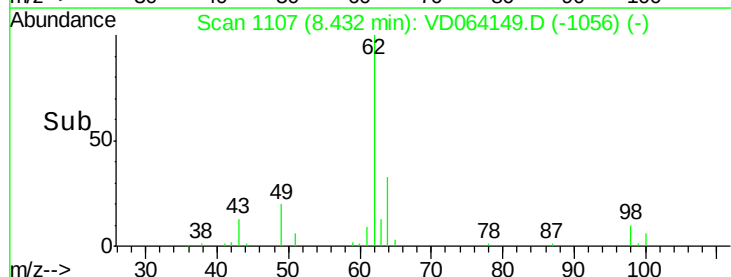
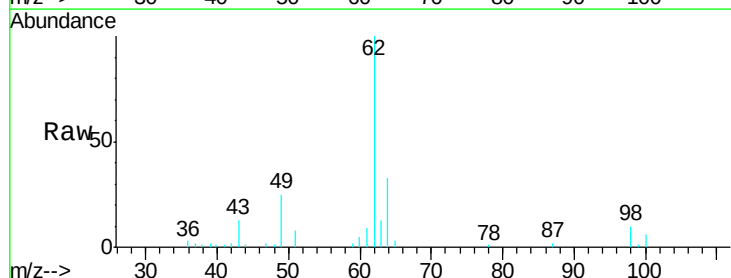
Acq: 01 Nov 2019 13:27

Tgt Ion: 62 Resp: 44080

Ion Ratio Lower Upper

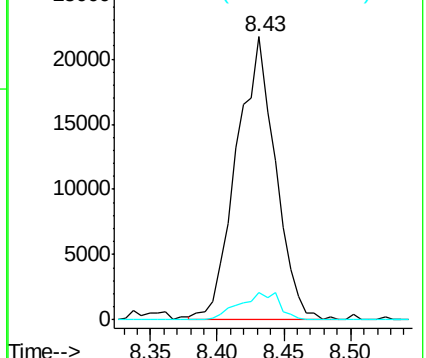
62 100

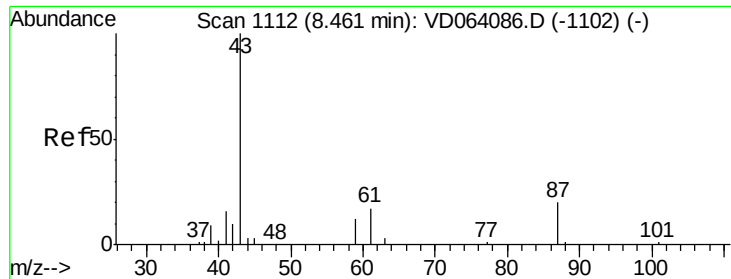
98 10.0 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 19.846 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBS01

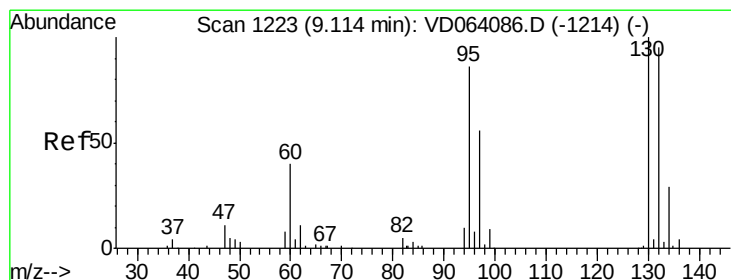
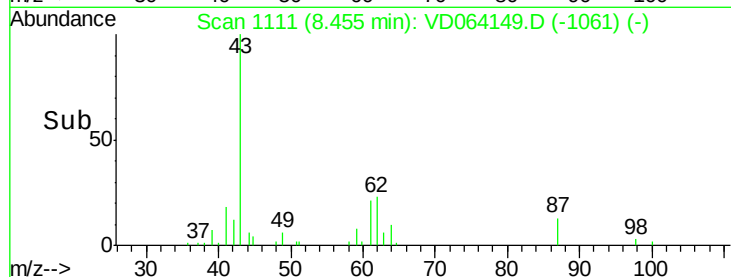
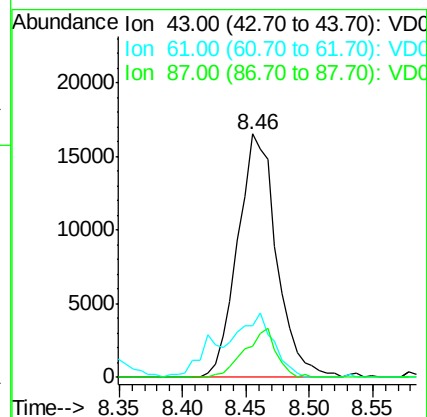
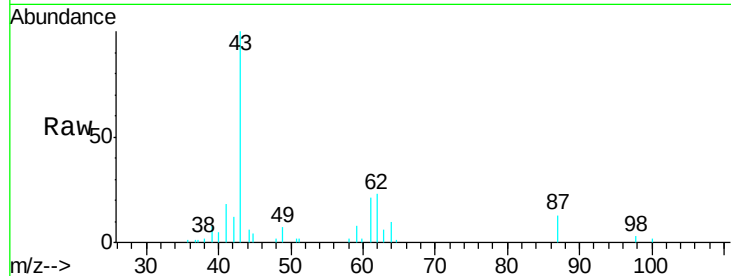
Tgt Ion: 43 Resp: 35299

Ion Ratio Lower Upper

43 100

61 24.3 25.8 38.8#

87 16.4 13.0 19.4



#44

Trichloroethene

Concen: 20.629 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064149.D

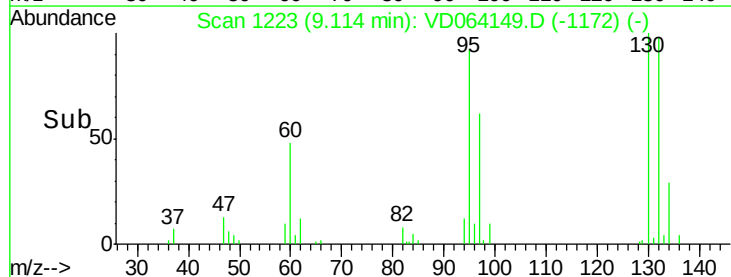
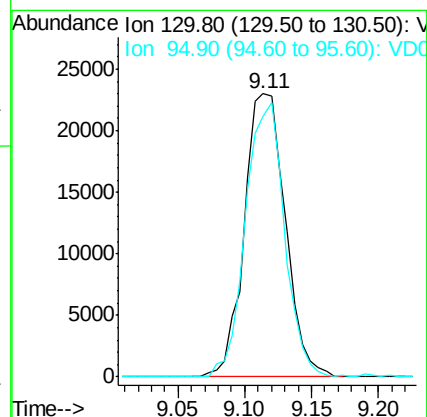
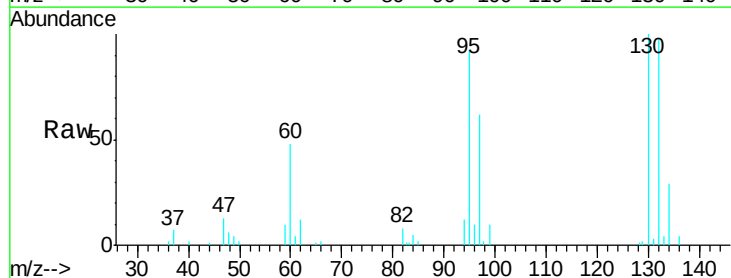
Acq: 01 Nov 2019 13:27

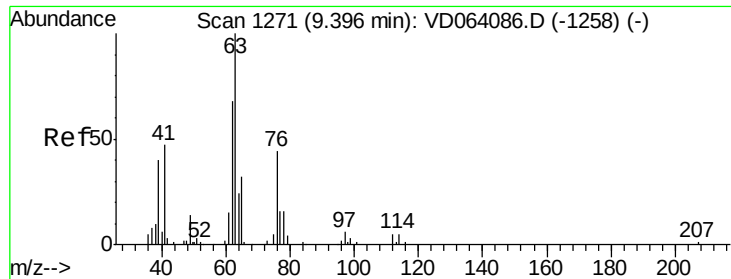
Tgt Ion: 130 Resp: 48753

Ion Ratio Lower Upper

130 100

95 91.9 0.0 173.0

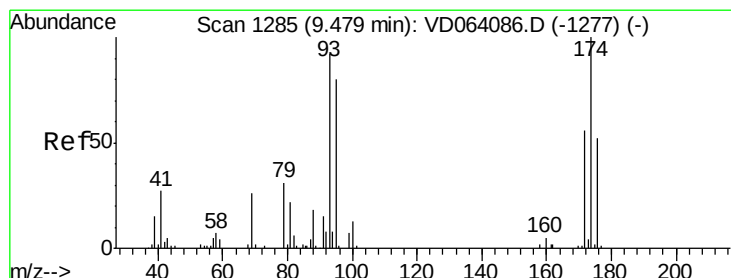
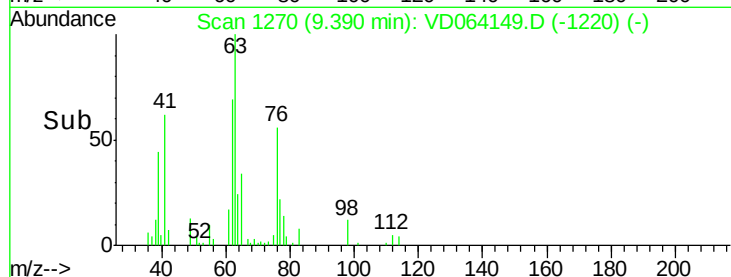
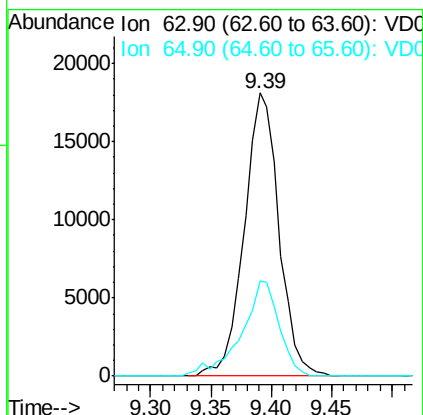
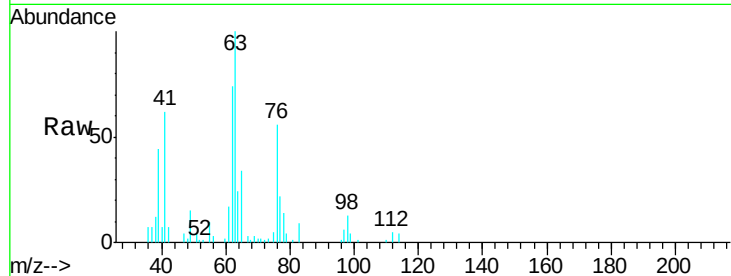




#45
 1,2-Dichloropropane
 Concen: 20.090 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VD064149.D
 Acq: 01 Nov 2019 13:27

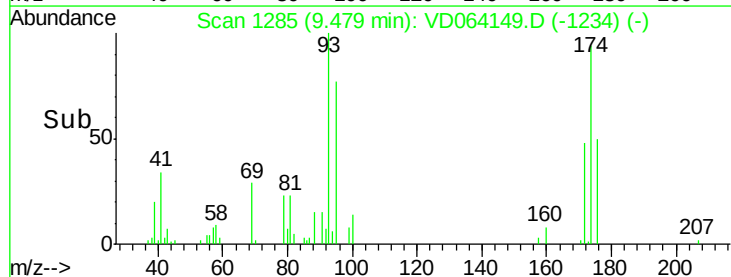
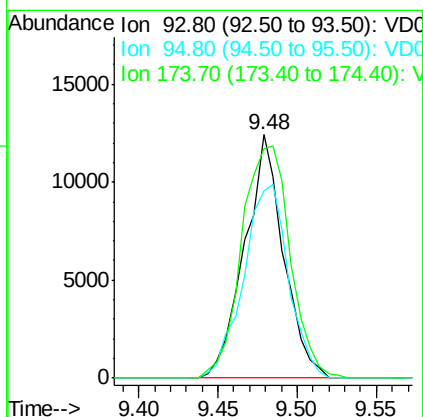
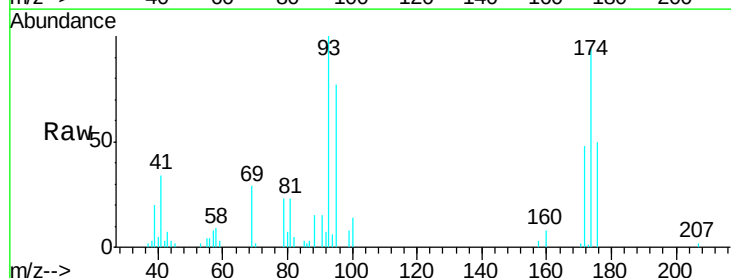
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBSD01

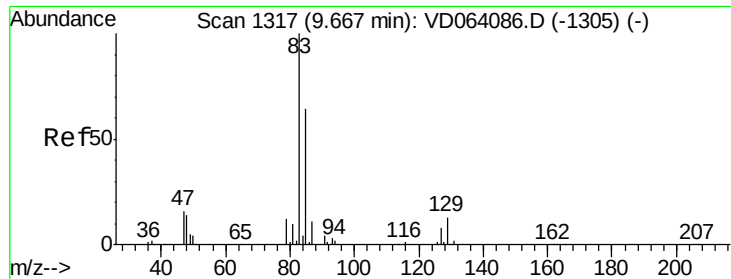
Tgt Ion: 63 Resp: 36304
 Ion Ratio Lower Upper
 63 100
 65 33.7 25.8 38.8



#46
 Dibromomethane
 Concen: 19.506 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064149.D
 Acq: 01 Nov 2019 13:27

Tgt Ion: 93 Resp: 21229
 Ion Ratio Lower Upper
 93 100
 95 91.4 67.4 101.2
 174 119.0 86.4 129.6





#47

Bromodichloromethane

Concen: 20.818 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBSD01

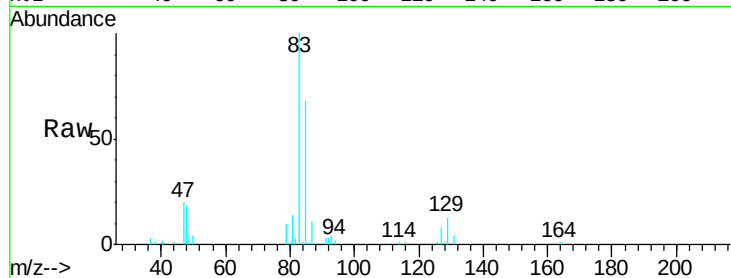
Tgt Ion: 83 Resp: 57158

Ion Ratio Lower Upper

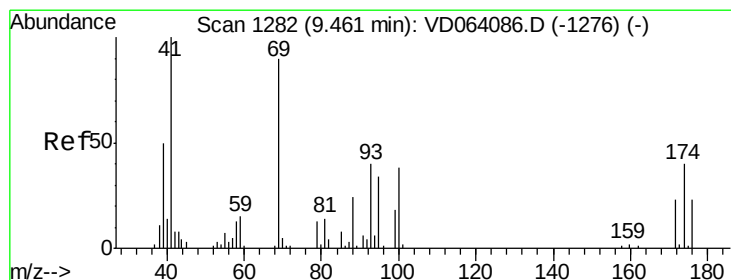
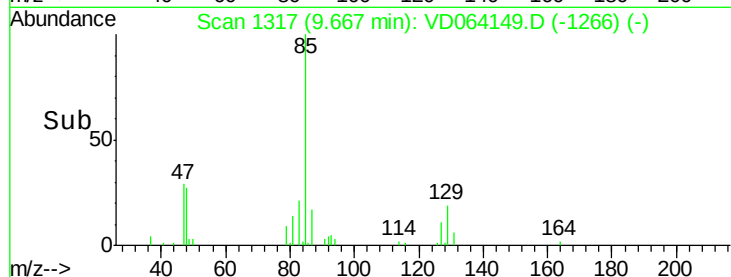
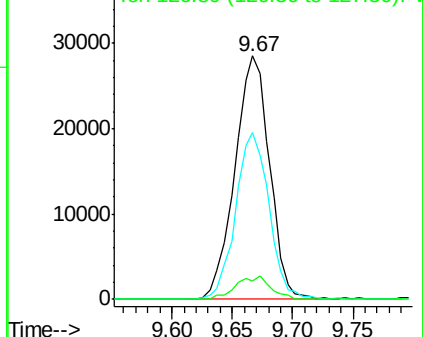
83 100

85 68.3 51.4 77.0

127 7.7 6.7 10.1



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: 22.522 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

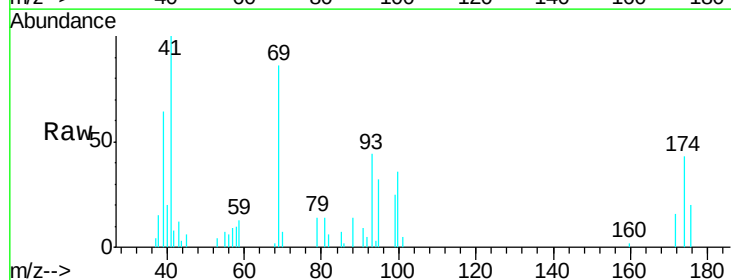
Tgt Ion: 41 Resp: 18525

Ion Ratio Lower Upper

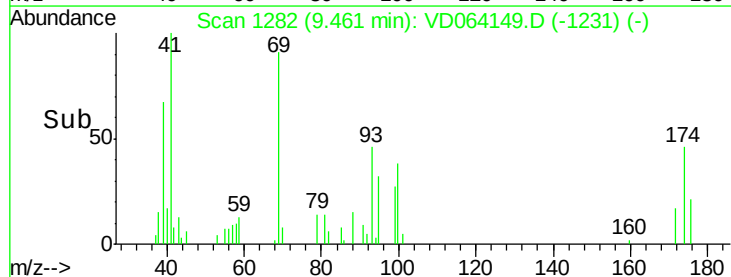
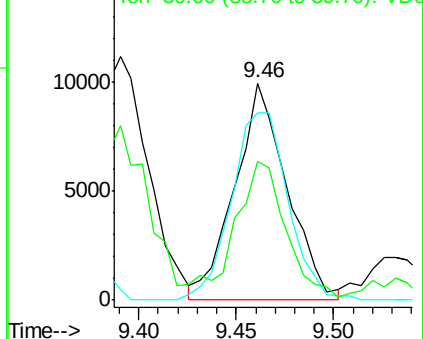
41 100

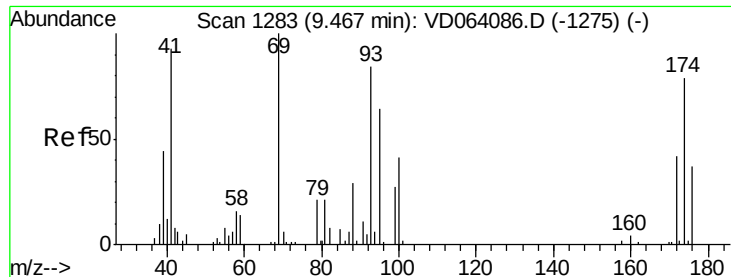
69 93.7 82.6 124.0

39 59.0 47.0 70.4



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

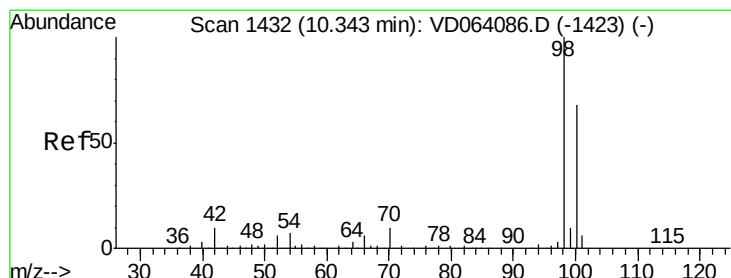
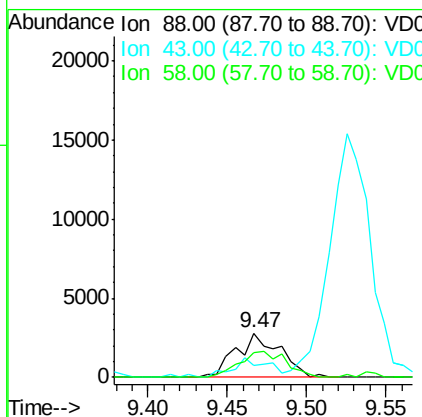
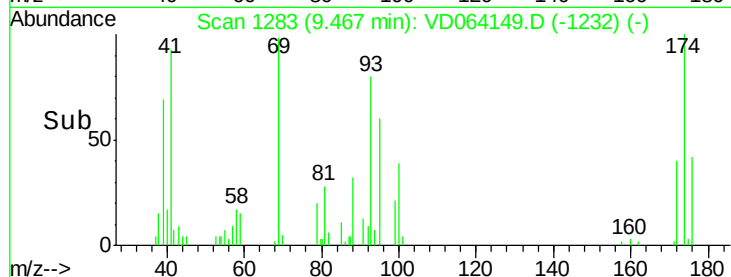
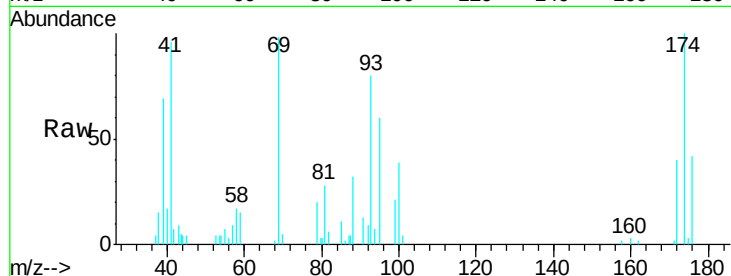




#49
1,4-Dioxane
Concen: 432.021 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

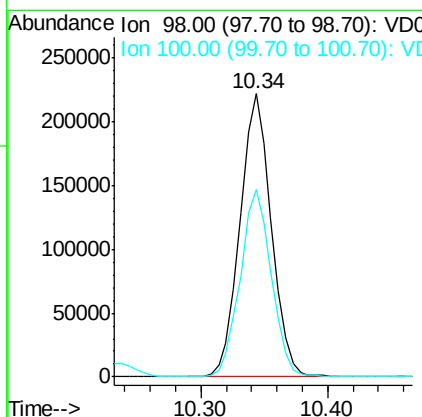
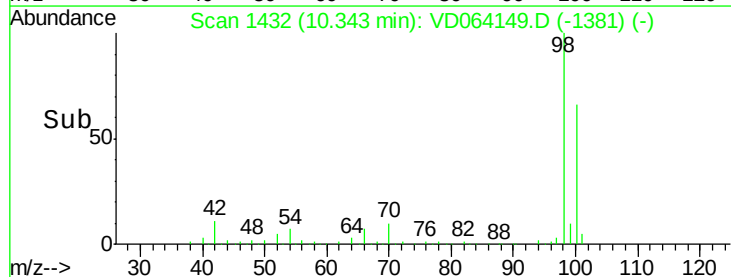
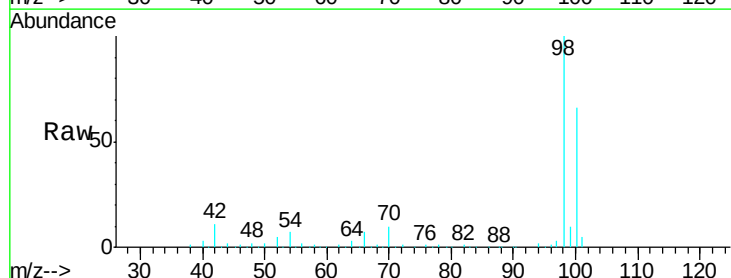
Instrument :
MSVOA_D
ClientSampleId :
VD1101SBSD01

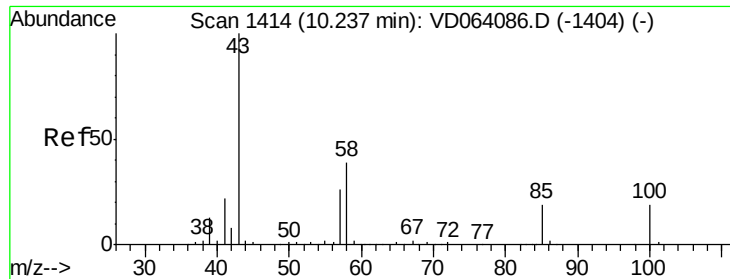
Tgt Ion: 88 Resp: 5382
Ion Ratio Lower Upper
88 100
43 34.8 13.4 20.0#
58 62.6 46.7 70.1



#50
Toluene-d8
Concen: 50.536 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Tgt Ion: 98 Resp: 379425
Ion Ratio Lower Upper
98 100
100 66.0 53.4 80.0

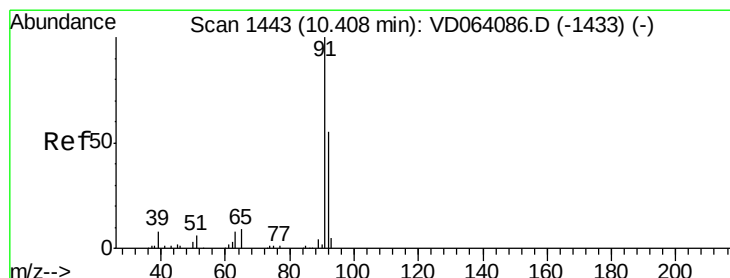
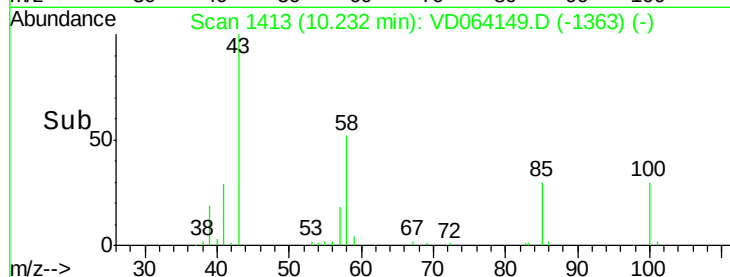
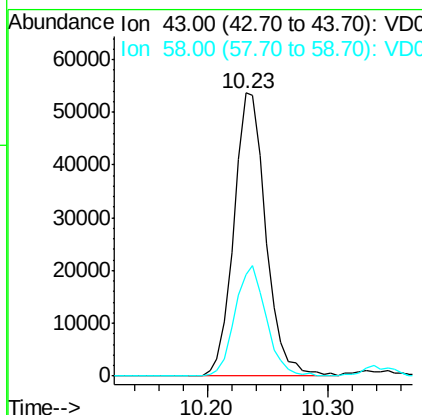
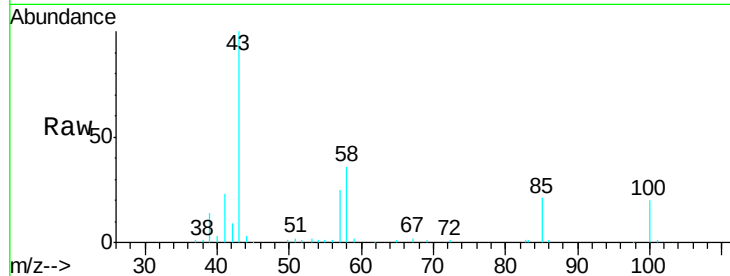




#51
 4-Methyl-2-Pentanone
 Concen: 102.581 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: VD064149.D
 Acq: 01 Nov 2019 13:27

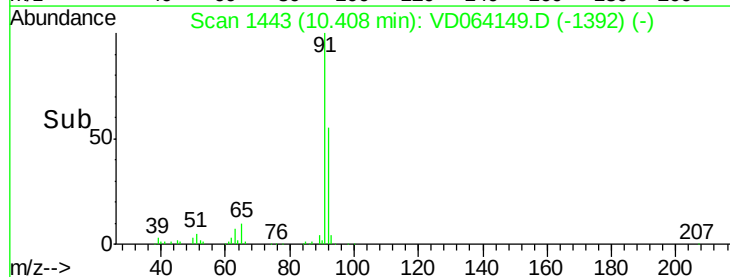
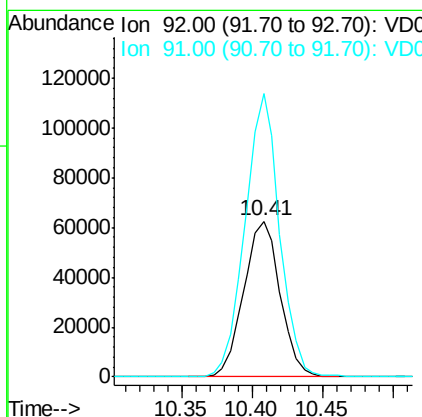
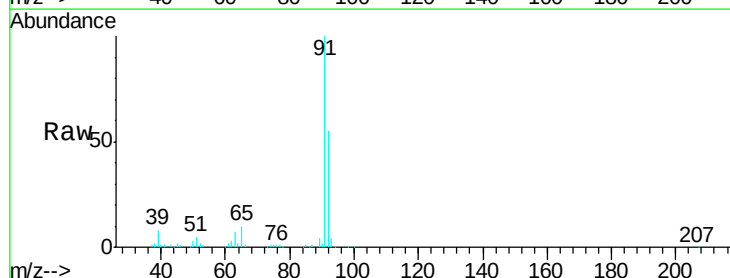
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBSD01

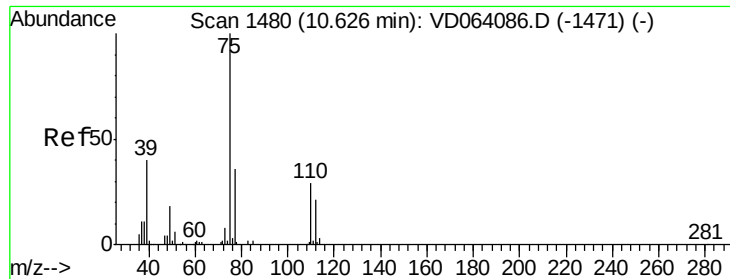
Tgt Ion: 43 Resp: 99330
 Ion Ratio Lower Upper
 43 100
 58 38.2 33.0 49.4



#52
 Toluene
 Concen: 20.677 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD064149.D
 Acq: 01 Nov 2019 13:27

Tgt Ion: 92 Resp: 112988
 Ion Ratio Lower Upper
 92 100
 91 172.9 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 20.541 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

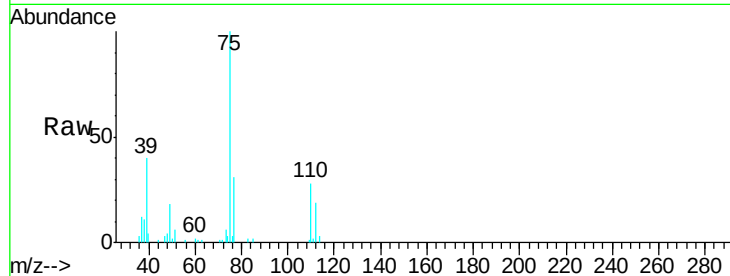
VD1101SBSD01

Tgt Ion: 75 Resp: 52645

Ion Ratio Lower Upper

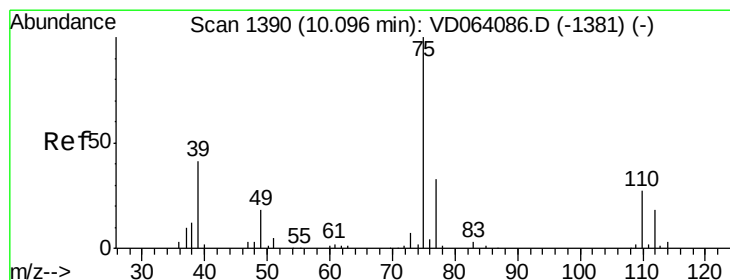
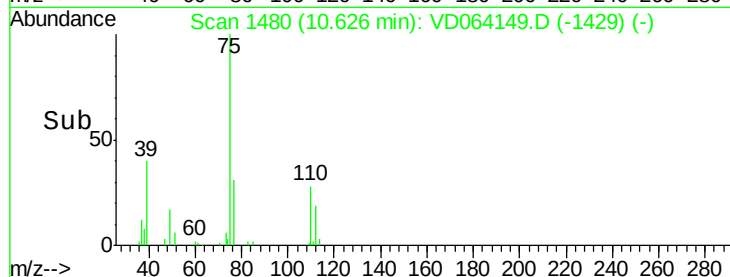
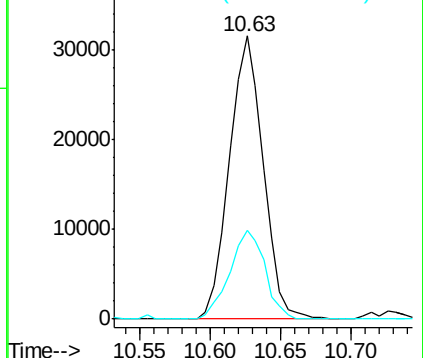
75 100

77 31.2 28.7 43.1



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 20.041 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

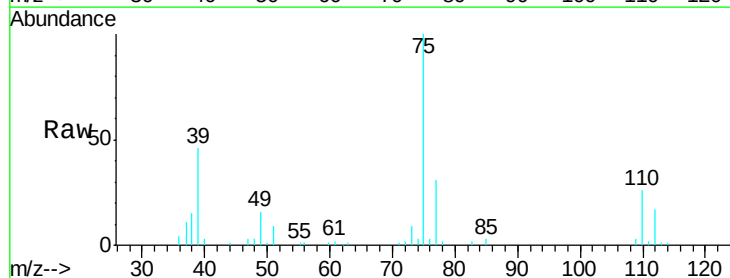
Tgt Ion: 75 Resp: 60429

Ion Ratio Lower Upper

75 100

77 31.1 26.8 40.2

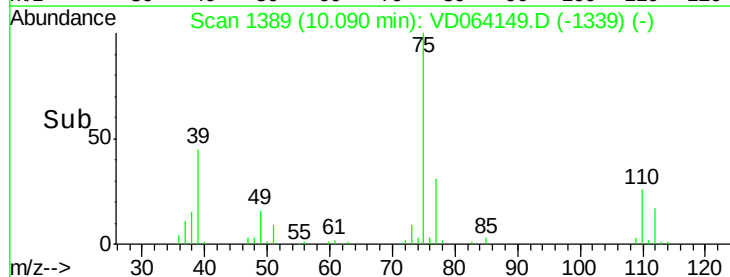
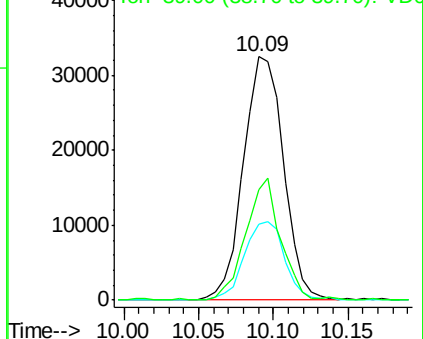
39 44.9 32.7 49.1

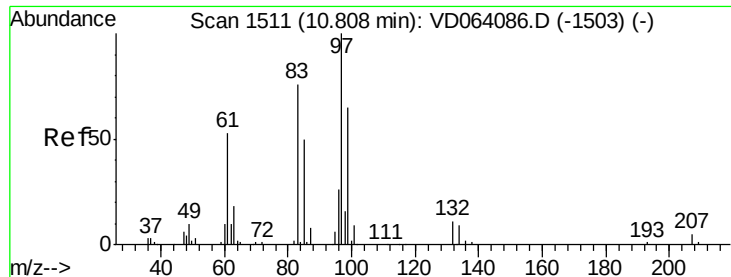


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

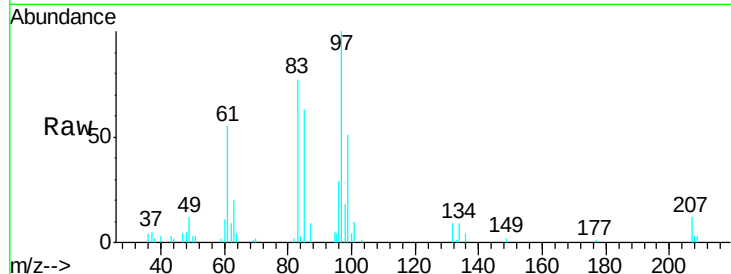




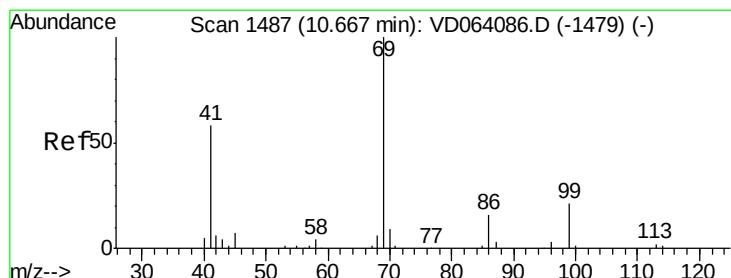
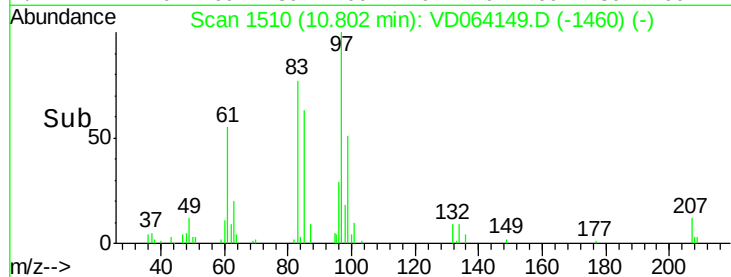
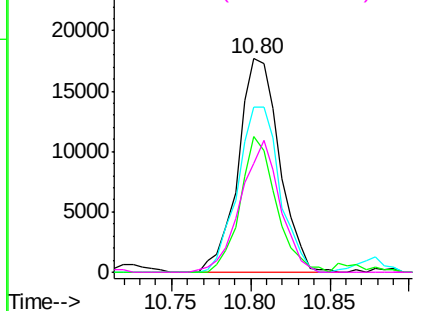
#55
 1,1,2-Trichloroethane
 Concen: 20.746 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD064149.D
 Acq: 01 Nov 2019 13:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBSD01

Tgt Ion: 97 Resp: 32012
 Ion Ratio Lower Upper
 97 100
 83 77.5 60.9 91.3
 85 63.4 40.2 60.2#
 99 50.7 51.9 77.9#

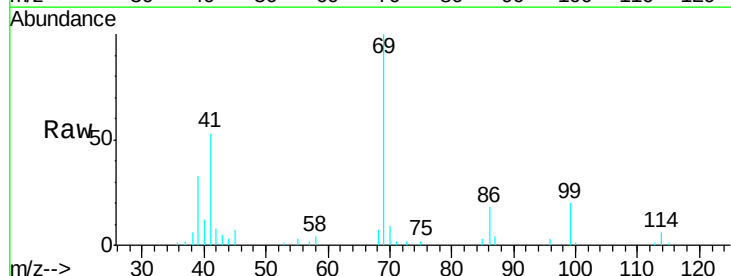


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

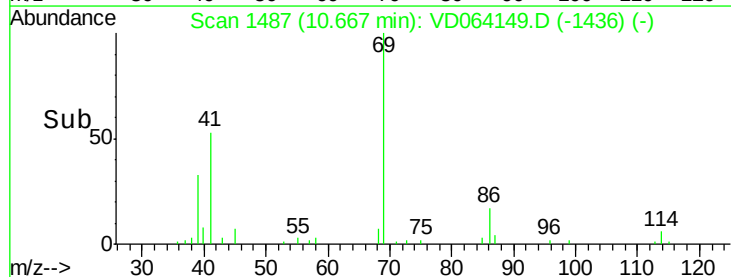
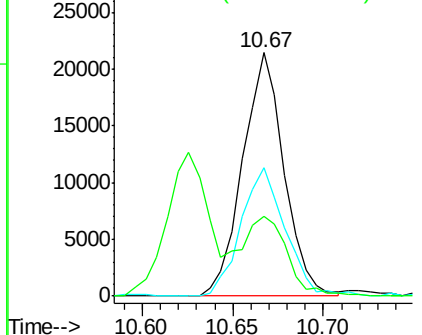


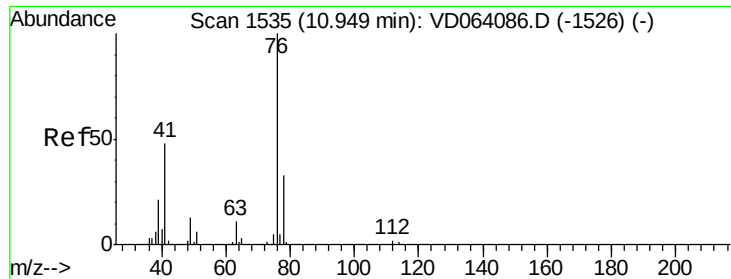
#56
 Ethyl methacrylate
 Concen: 20.064 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD064149.D
 Acq: 01 Nov 2019 13:27

Tgt Ion: 69 Resp: 34022
 Ion Ratio Lower Upper
 69 100
 41 56.6 46.9 70.3
 39 33.5 27.3 40.9



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

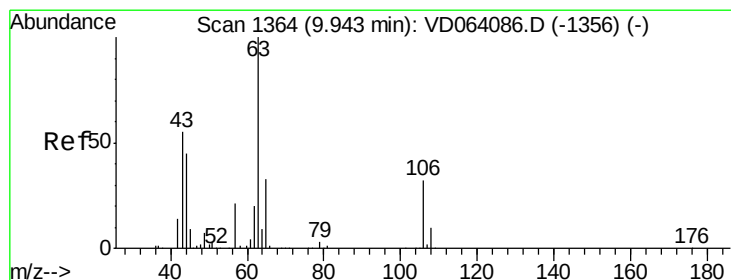
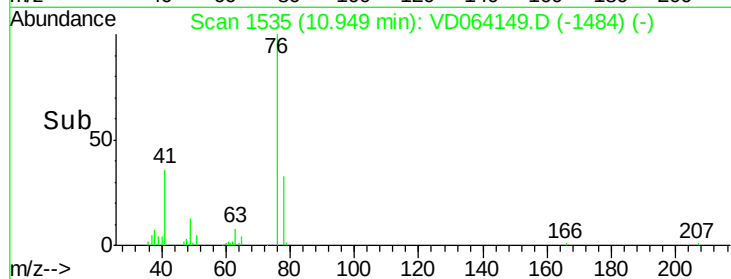
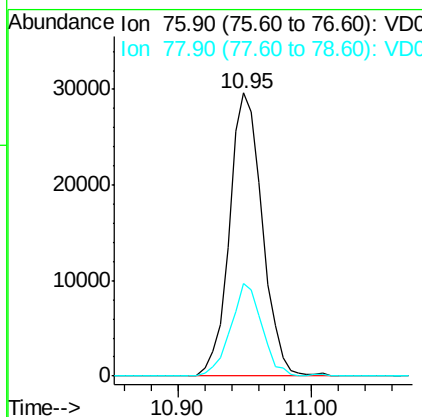
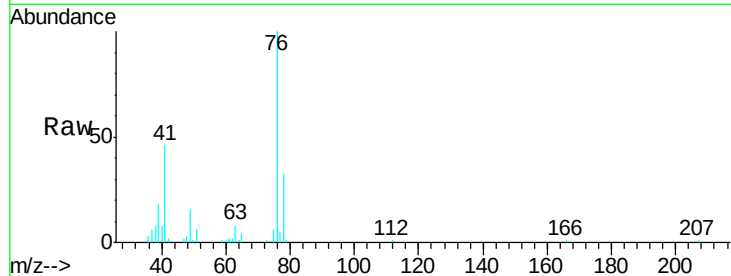




#57
 1,3-Dichloropropane
 Concen: 19.898 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064149.D
 Acq: 01 Nov 2019 13:27

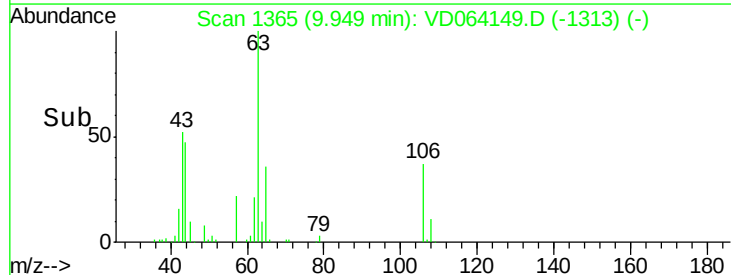
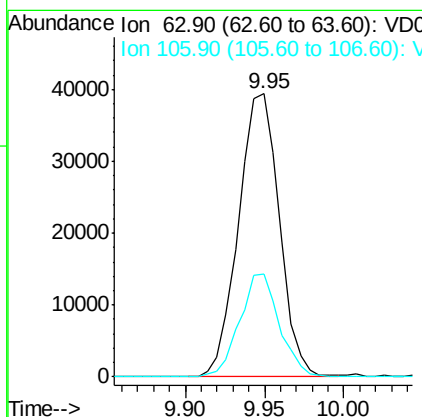
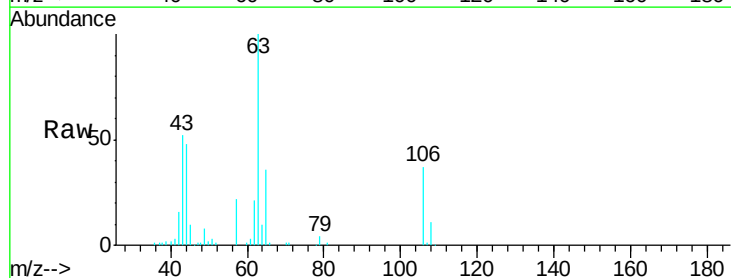
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBSD01

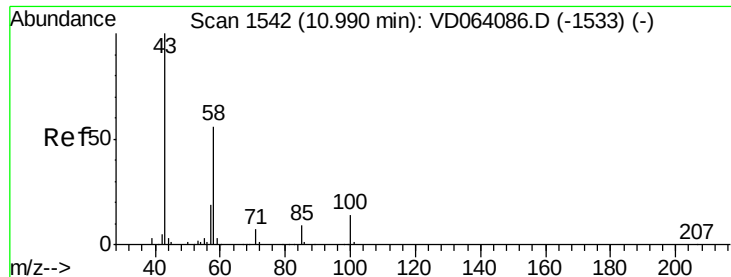
Tgt Ion: 76 Resp: 50777
 Ion Ratio Lower Upper
 76 100
 78 31.2 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.489 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD064149.D
 Acq: 01 Nov 2019 13:27

Tgt Ion: 63 Resp: 70635
 Ion Ratio Lower Upper
 63 100
 106 35.2 25.8 38.8

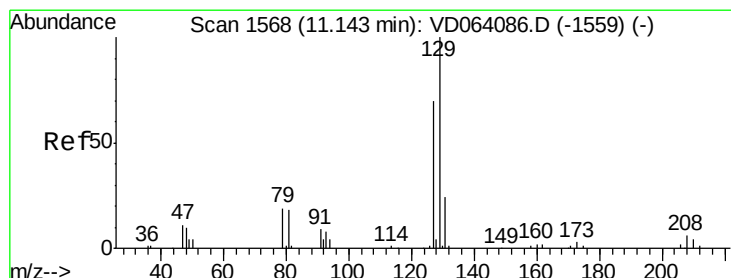
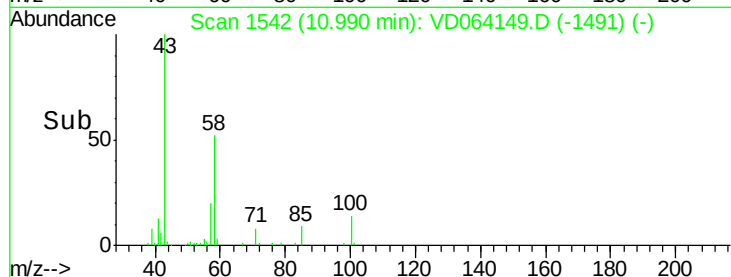
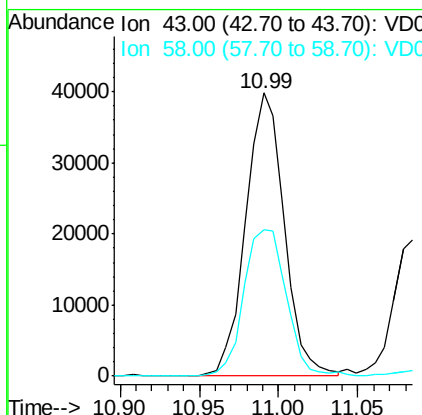
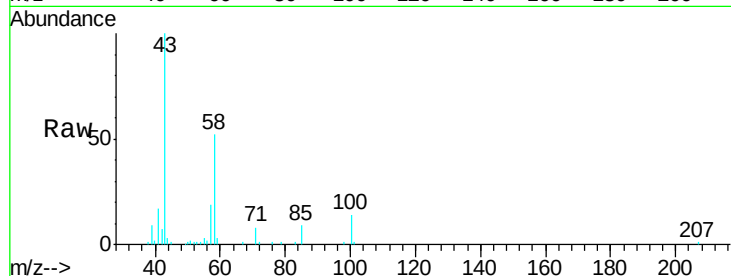




#59
2-Hexanone
Concen: 94.672 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

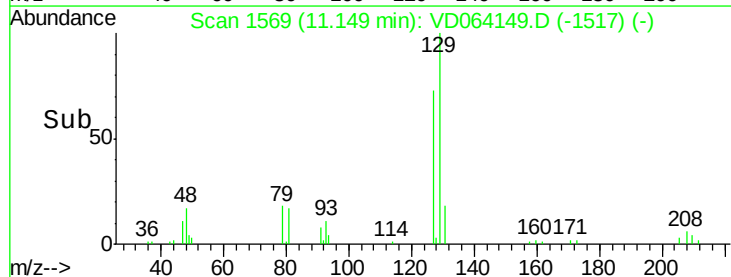
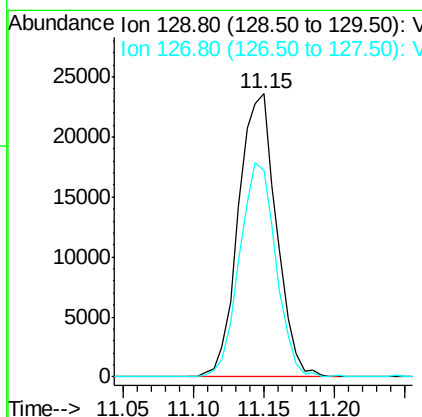
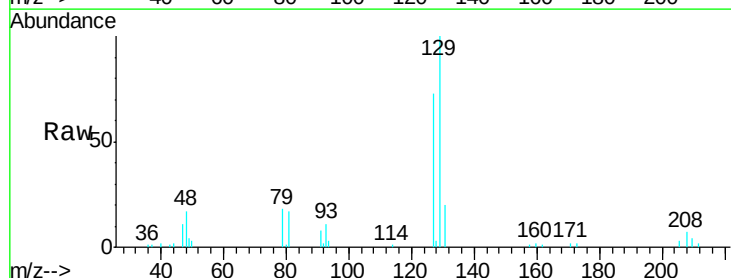
Instrument :
MSVOA_D
ClientSampleId :
VD1101SBSD01

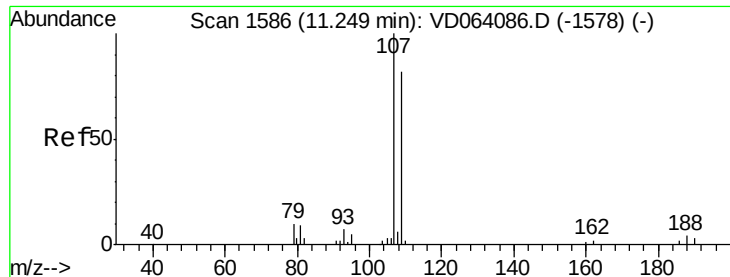
Tgt Ion: 43 Resp: 67451
Ion Ratio Lower Upper
43 100
58 57.3 29.2 87.6



#60
Dibromochloromethane
Concen: 21.200 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Tgt Ion: 129 Resp: 44400
Ion Ratio Lower Upper
129 100
127 72.4 38.3 114.8

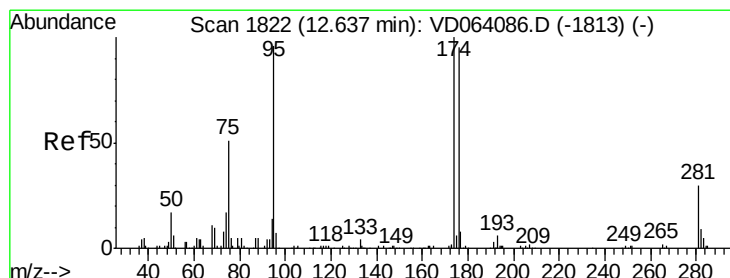
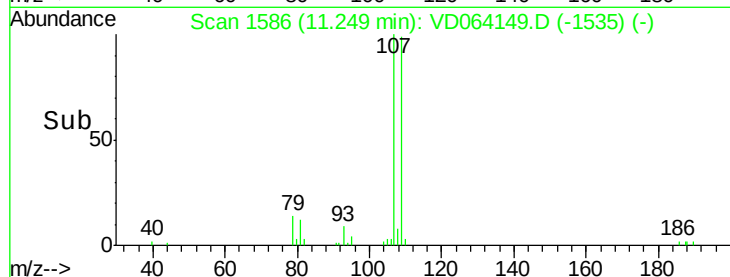
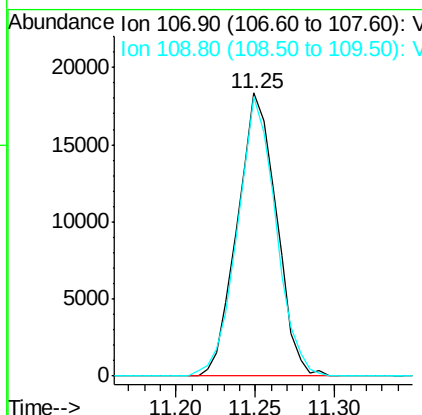
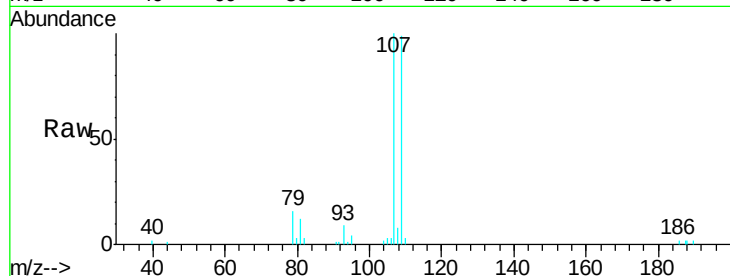




#61
 1,2-Dibromoethane
 Concen: 20.363 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064149.D
 Acq: 01 Nov 2019 13:27

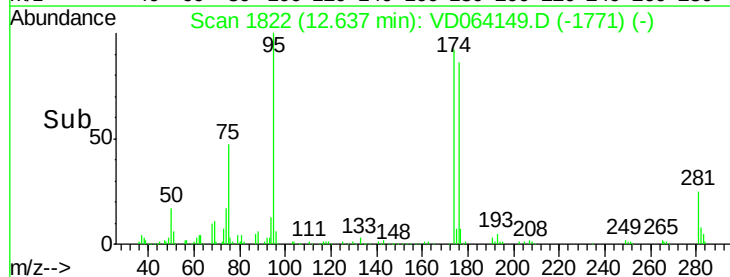
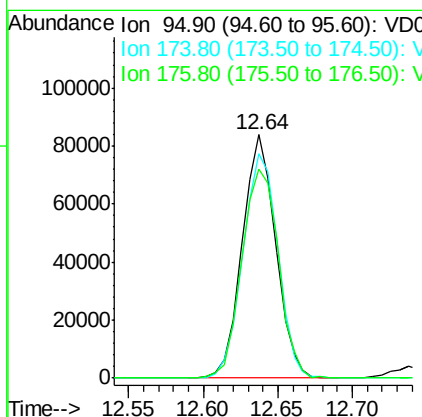
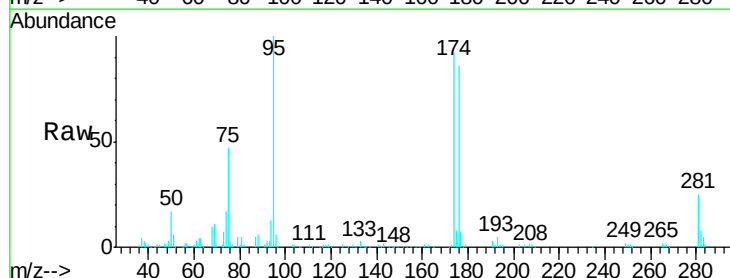
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBSD01

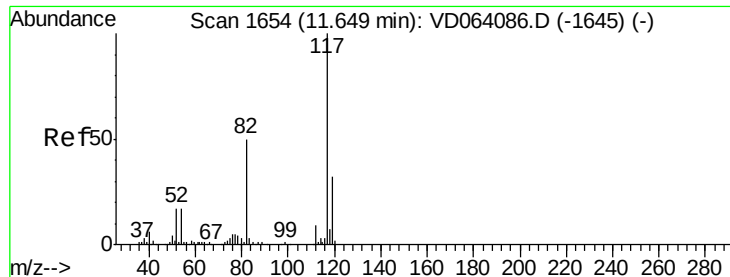
Tgt Ion: 107 Resp: 31426
 Ion Ratio Lower Upper
 107 100
 109 97.3 73.0 109.4



#62
 4-Bromofluorobenzene
 Concen: 52.277 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064149.D
 Acq: 01 Nov 2019 13:27

Tgt Ion: 95 Resp: 130125
 Ion Ratio Lower Upper
 95 100
 174 96.5 0.0 201.6
 176 93.8 0.0 192.6

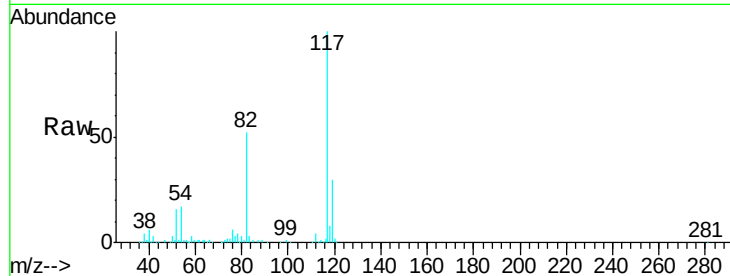




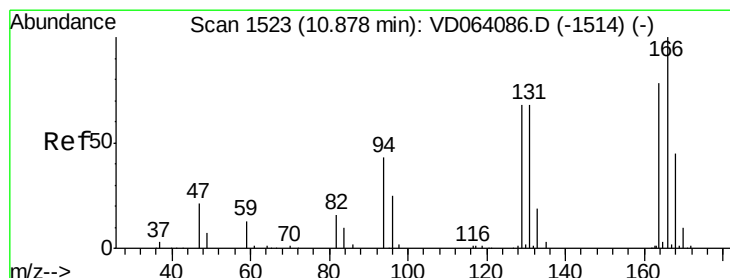
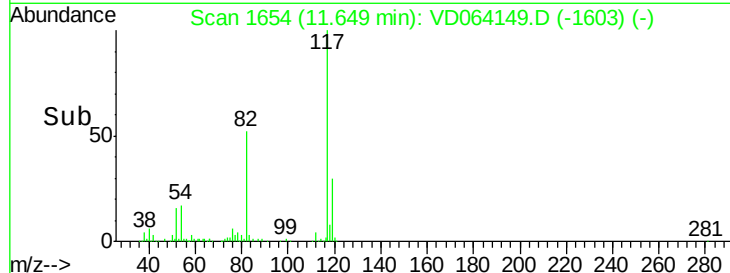
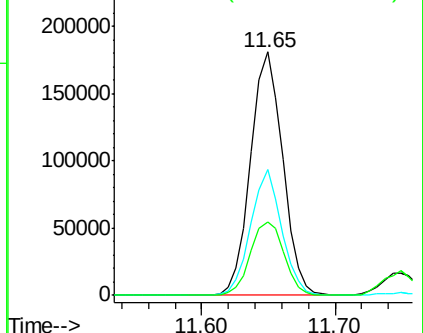
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBSD01

Tgt Ion:117 Resp: 301686
Ion Ratio Lower Upper
117 100
82 51.5 40.2 60.4
119 30.2 26.0 39.0



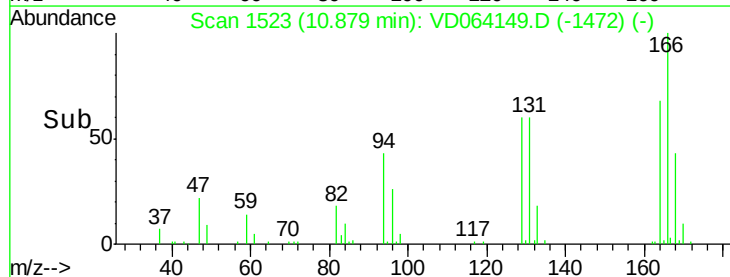
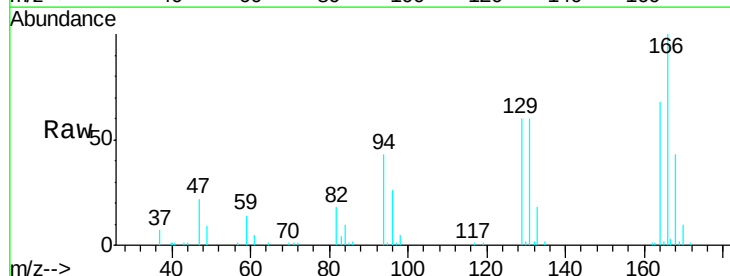
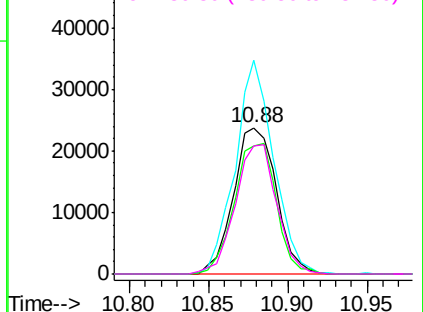
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

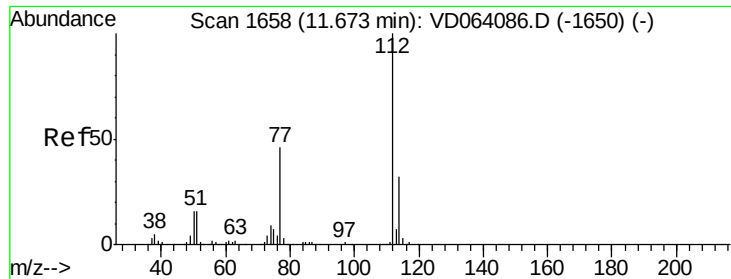


#64
Tetrachloroethene
Concen: 20.521 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Tgt Ion:164 Resp: 44476
Ion Ratio Lower Upper
164 100
166 146.2 102.7 154.1
129 87.7 69.8 104.6
131 87.8 69.4 104.0

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

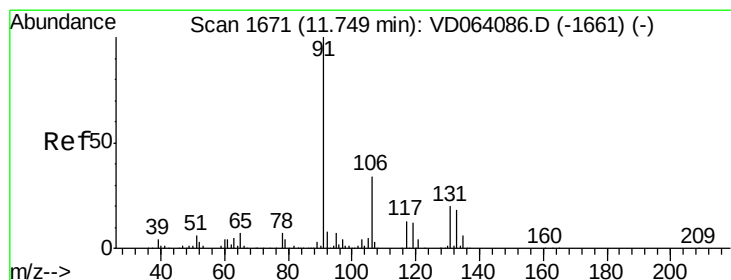
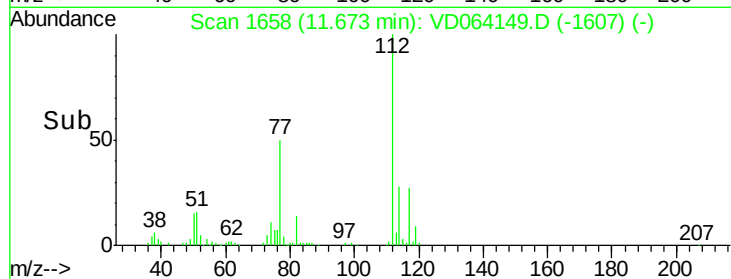
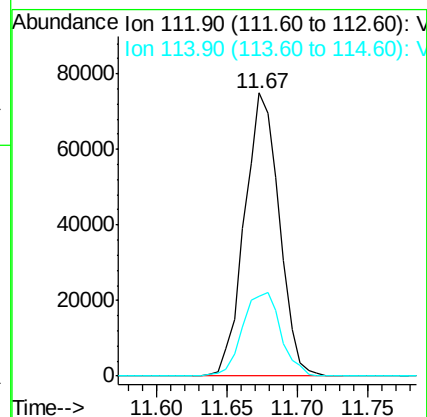
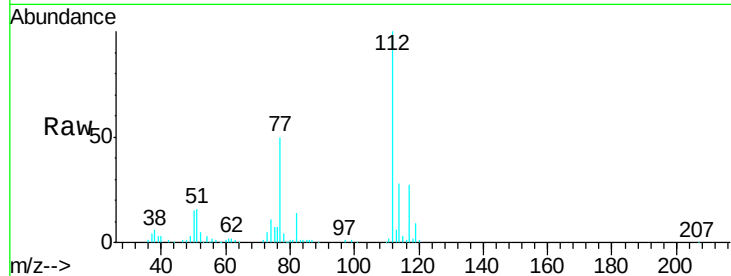




#65
Chlorobenzene
Concen: 20.706 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

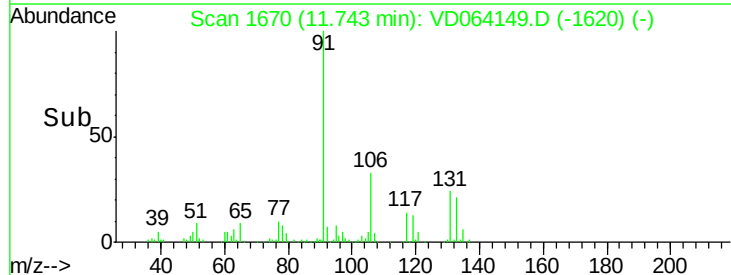
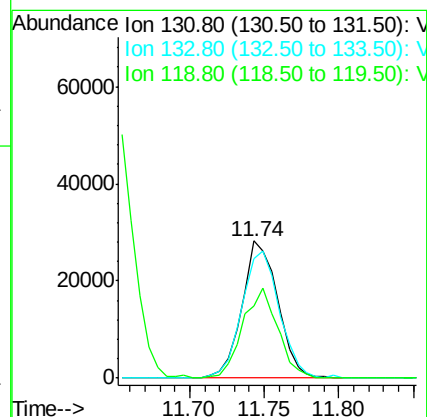
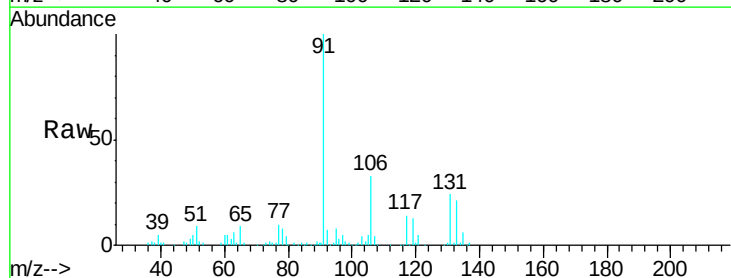
Instrument :
MSVOA_D
ClientSampleId :
VD1101SBSD01

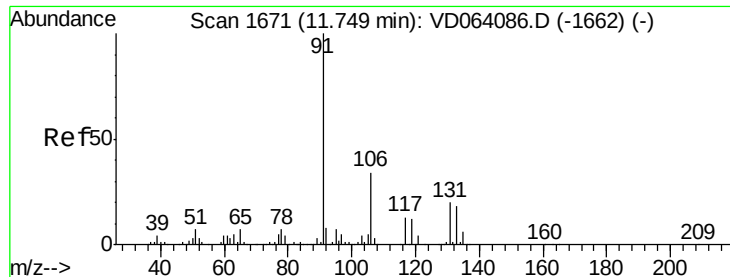
Tgt Ion:112 Resp: 129072
Ion Ratio Lower Upper
112 100
114 28.3 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.201 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Tgt Ion:131 Resp: 47118
Ion Ratio Lower Upper
131 100
133 97.7 47.6 142.9
119 64.1 31.4 94.3





#67

Ethyl Benzene

Concen: 19.592 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

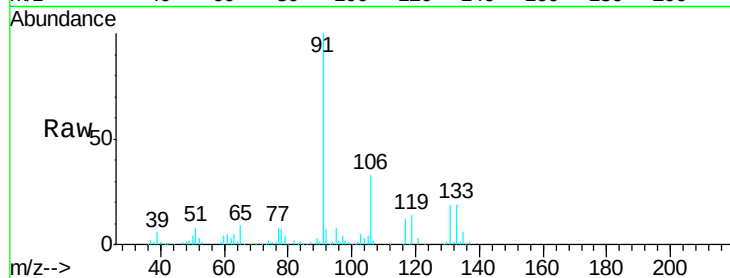
VD1101SBSD01

Tgt Ion: 91 Resp: 217221

Ion Ratio Lower Upper

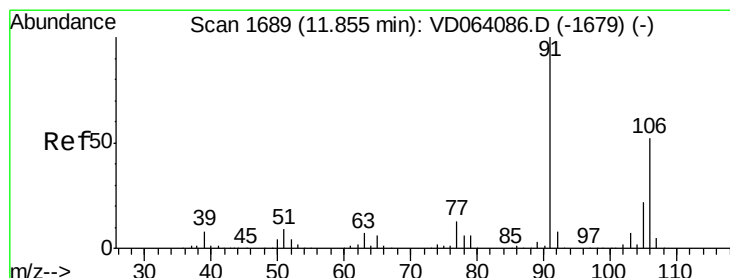
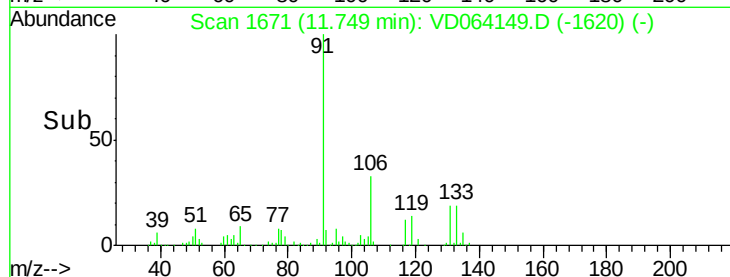
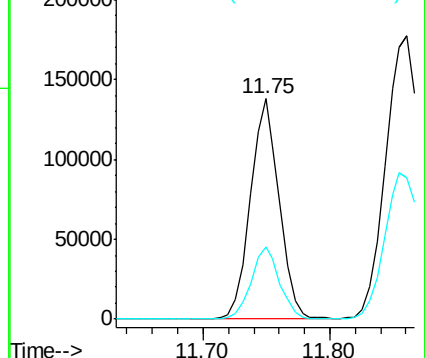
91 100

106 32.8 27.0 40.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 40.125 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064149.D

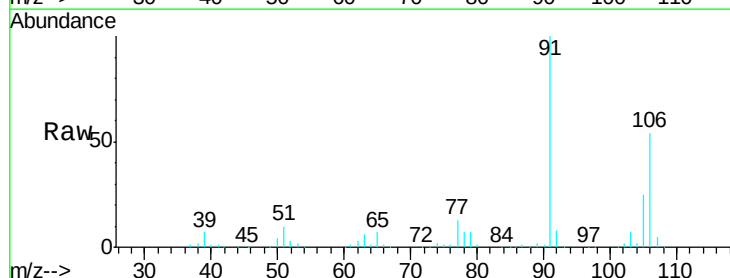
Acq: 01 Nov 2019 13:27

Tgt Ion: 106 Resp: 178940

Ion Ratio Lower Upper

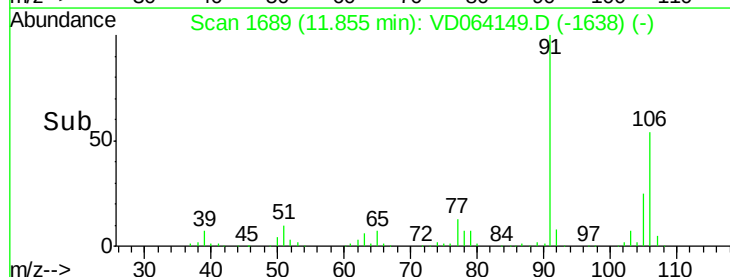
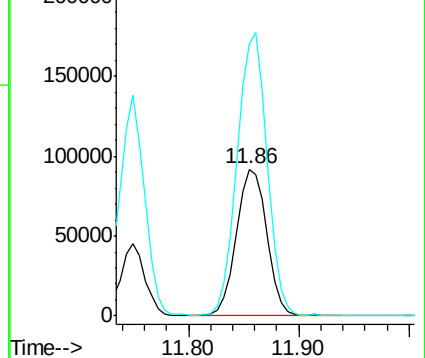
106 100

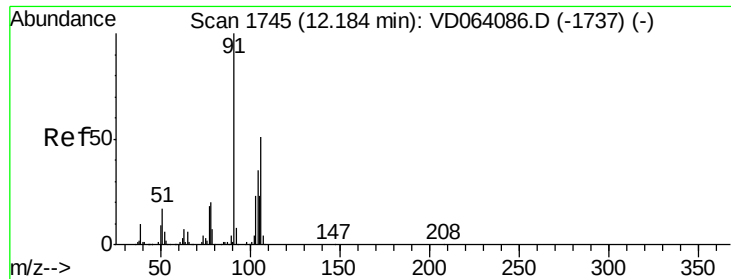
91 190.1 154.0 231.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

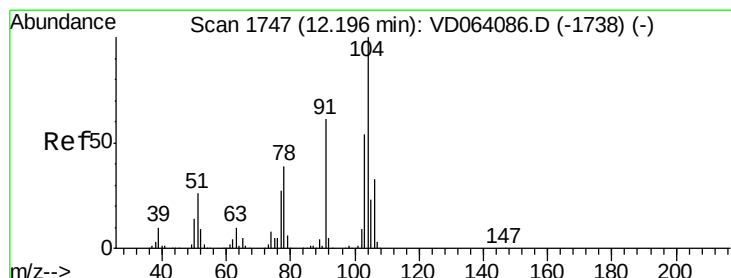
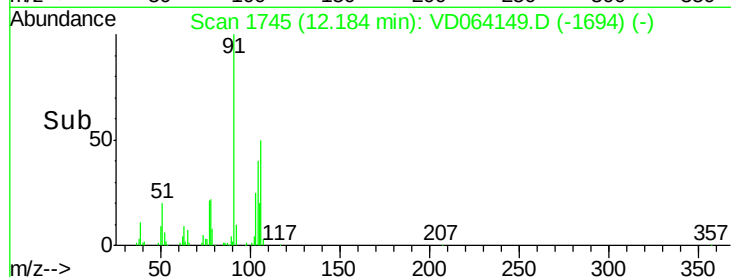
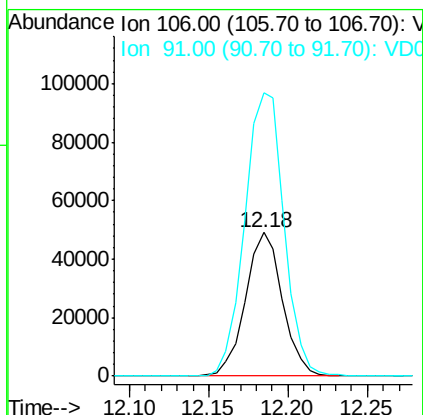
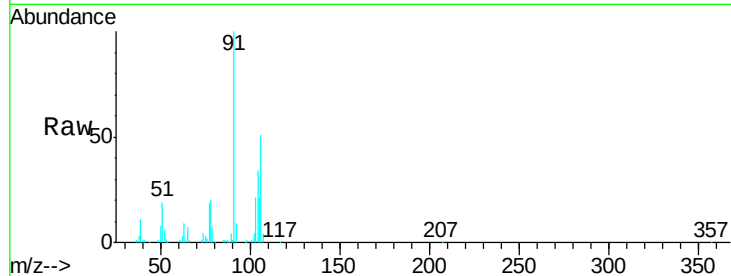




#69
o-Xylene
Concen: 19.634 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

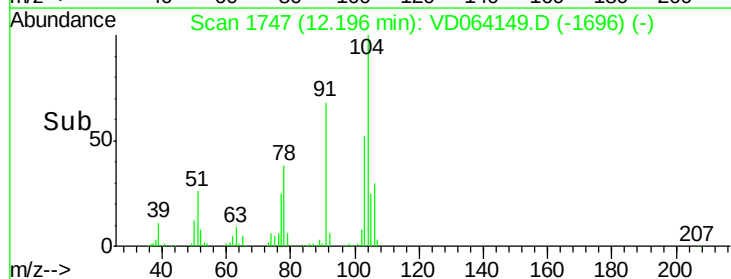
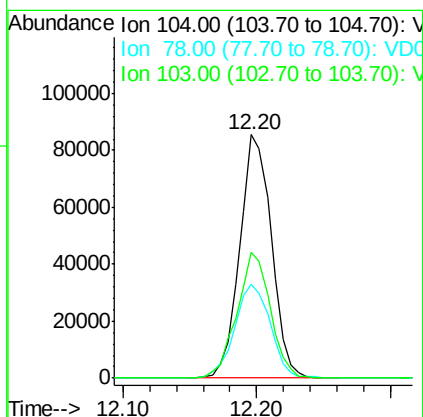
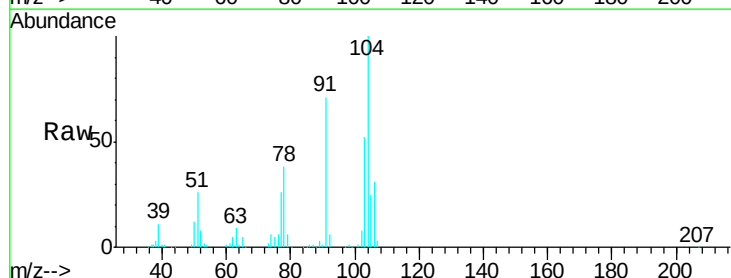
Instrument :
MSVOA_D
ClientSampleId :
VD1101SBSD01

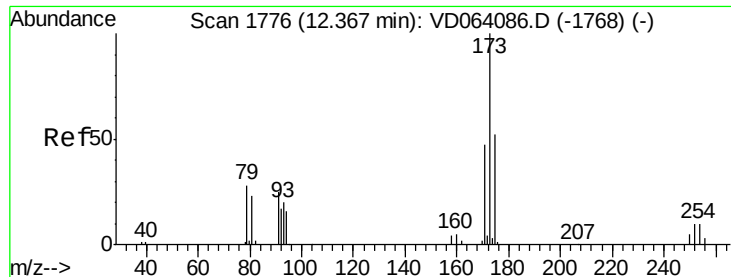
Tgt Ion:106 Resp: 79910
Ion Ratio Lower Upper
106 100
91 208.7 100.6 301.9



#70
Styrene
Concen: 19.908 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Tgt Ion:104 Resp: 139745
Ion Ratio Lower Upper
104 100
78 43.8 34.6 51.8
103 54.7 44.2 66.2

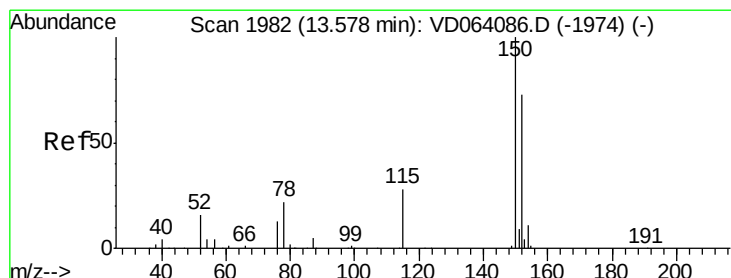
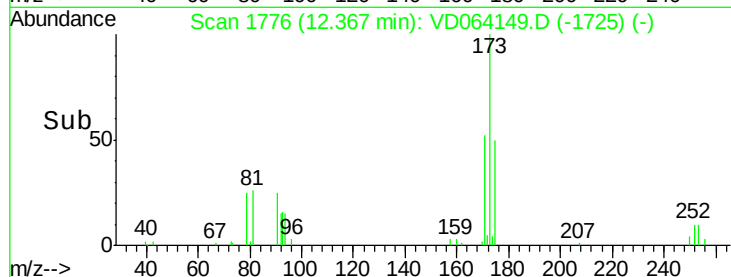
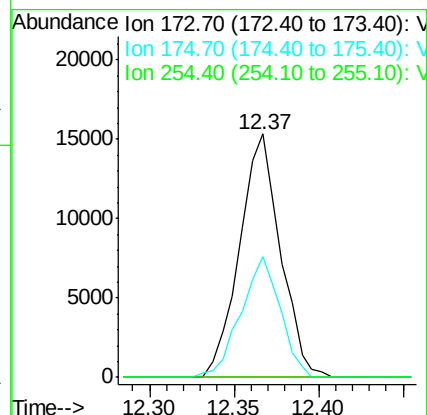
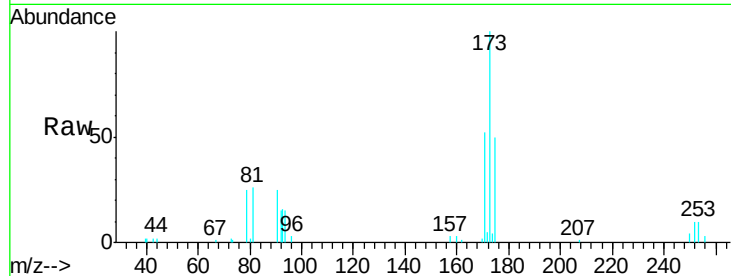




#71
Bromoform
Concen: 20.774 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

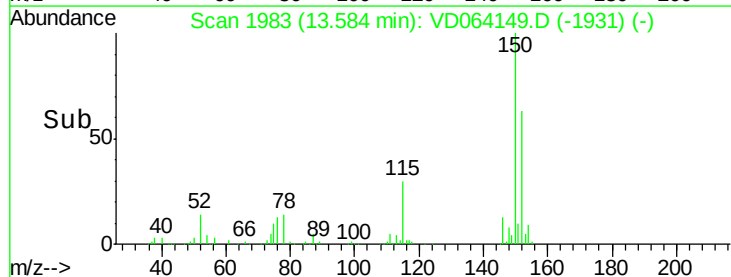
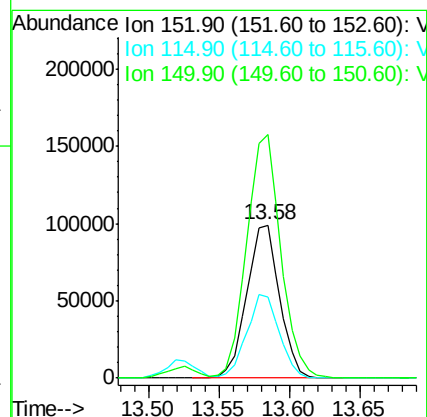
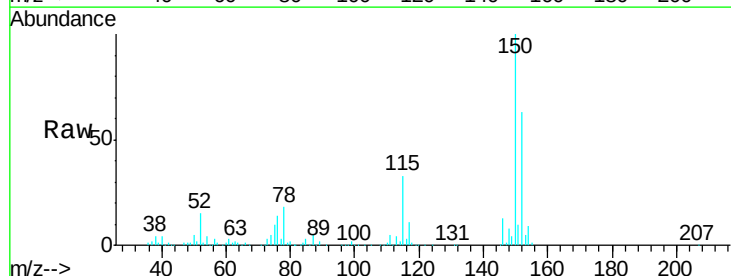
Instrument :
MSVOA_D
ClientSampleId :
VD1101SBSD01

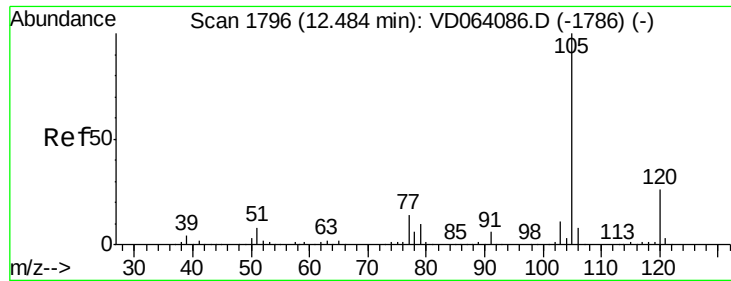
Tgt Ion:173 Resp: 25878
Ion Ratio Lower Upper
173 100
175 48.0 24.3 72.9
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Tgt Ion:152 Resp: 161142
Ion Ratio Lower Upper
152 100
115 54.3 26.2 78.6
150 165.4 0.0 338.8





#73

Isopropylbenzene

Concen: 19.546 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

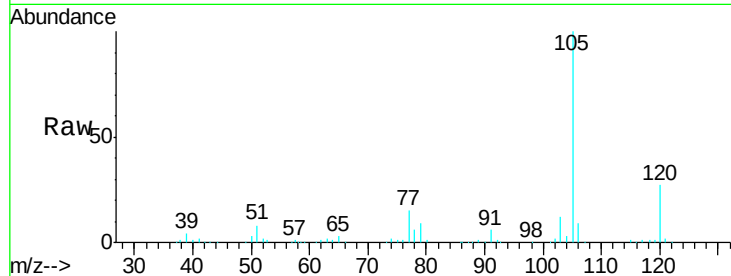
VD1101SBSD01

Tgt Ion: 105 Resp: 218875

Ion Ratio Lower Upper

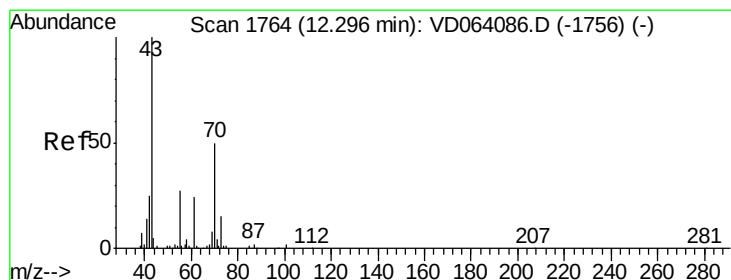
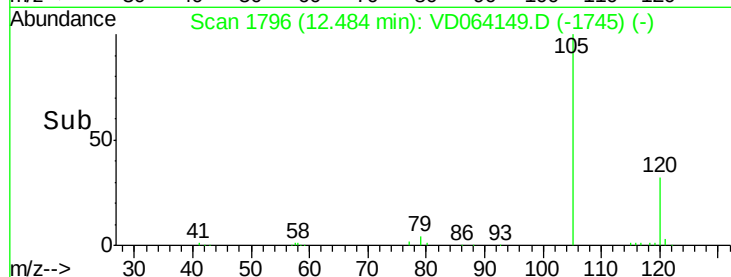
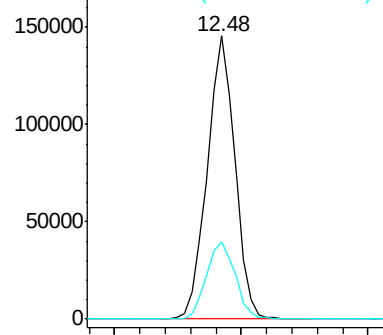
105 100

120 28.5 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.089 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Tgt Ion: 43 Resp: 35511

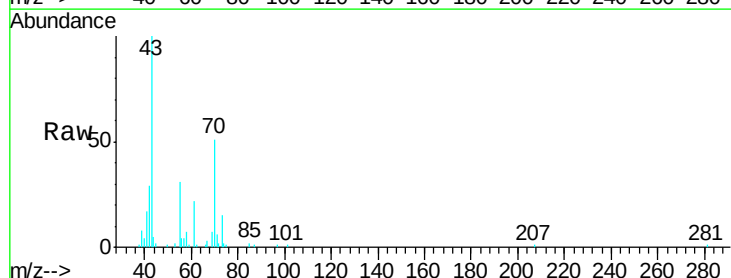
Ion Ratio Lower Upper

43 100

70 47.8 38.6 58.0

55 27.0 20.4 30.6

61 27.2 20.8 31.2

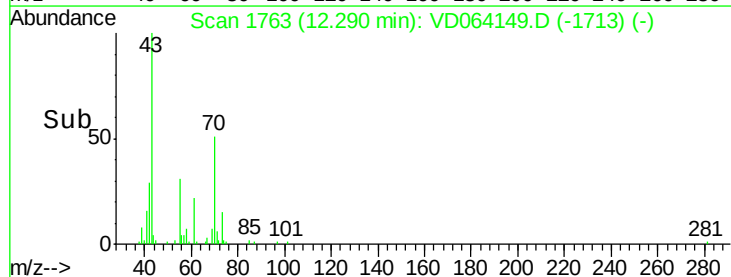
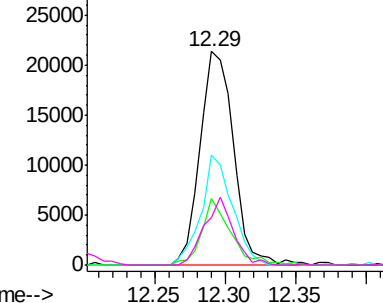


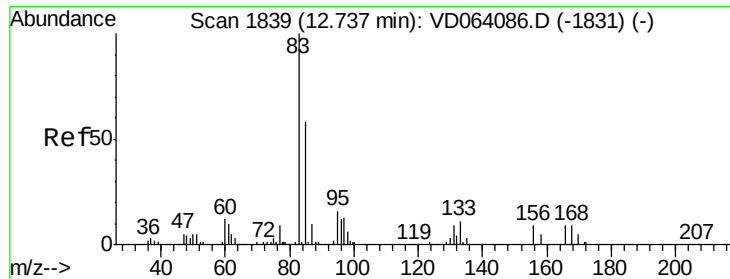
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.053 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBSD01

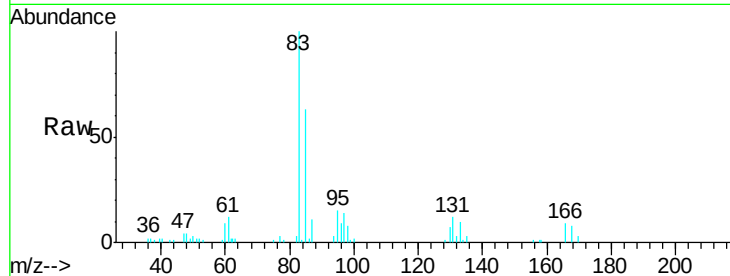
Tgt Ion: 83 Resp: 35393

Ion Ratio Lower Upper

83 100

131 12.1 5.7 17.0

85 66.8 32.1 96.5



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

12.73

25000

20000

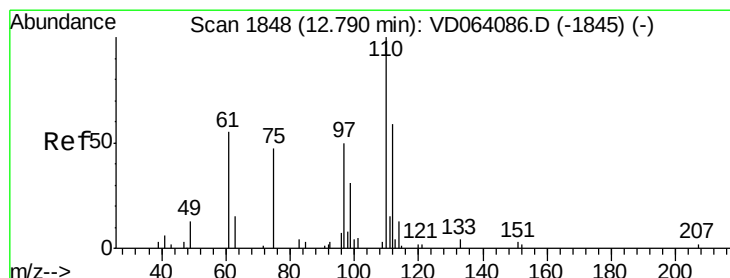
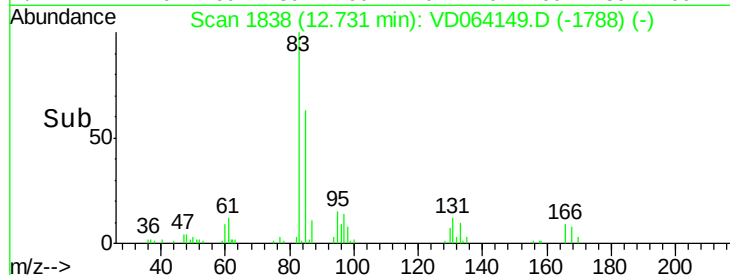
15000

10000

5000

0

Time--> 12.65 12.70 12.75 12.80



#76

1,2,3-Trichloropropane

Concen: 42.135 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD064149.D

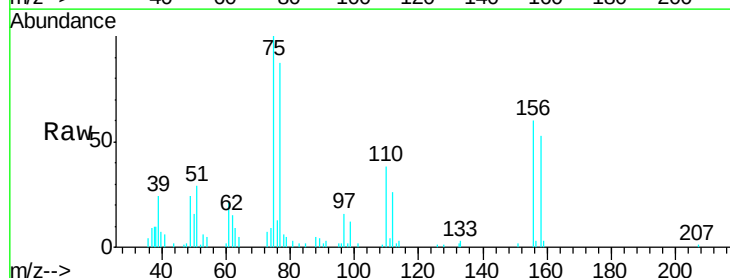
Acq: 01 Nov 2019 13:27

Tgt Ion: 75 Resp: 45623

Ion Ratio Lower Upper

75 100

77 190.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

50000

40000

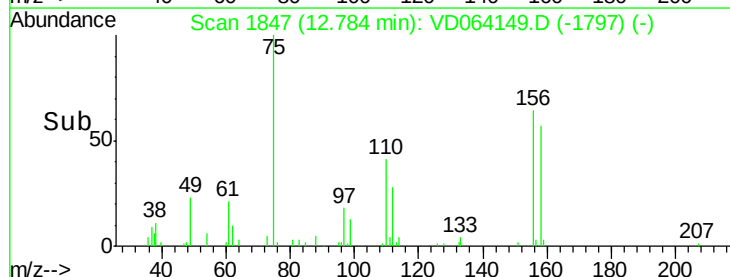
30000

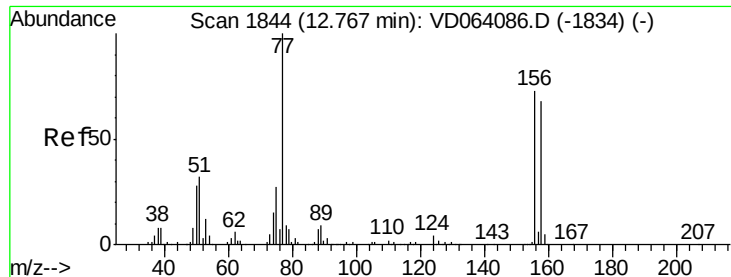
20000

10000

0

Time--> 12.70 12.75 12.80





#77

Bromobenzene

Concen: 20.757 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBSD01

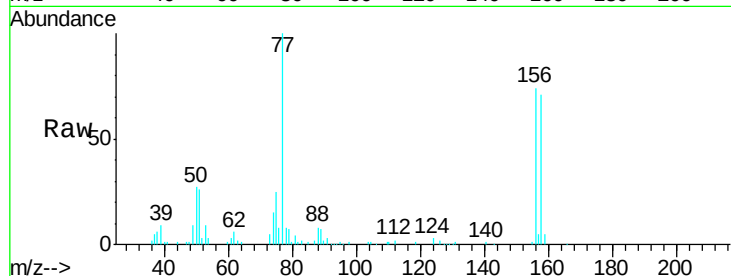
Tgt Ion:156 Resp: 56119

Ion Ratio Lower Upper

156 100

77 154.5 76.0 228.0

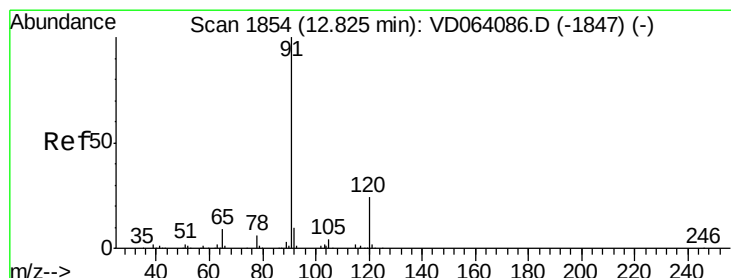
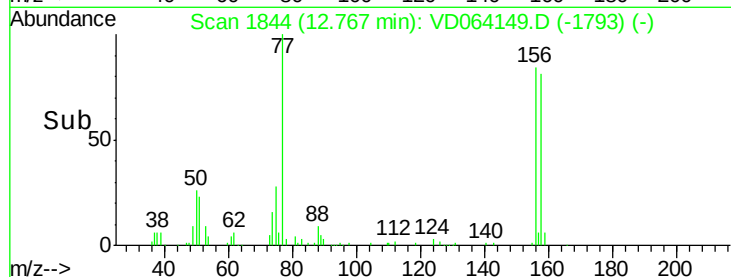
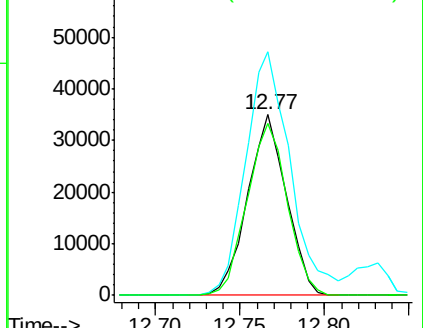
158 97.9 47.6 142.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.160 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064149.D

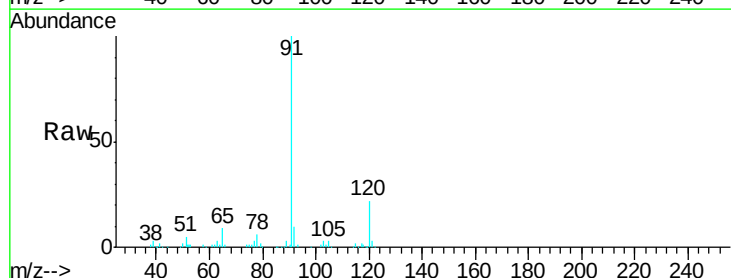
Acq: 01 Nov 2019 13:27

Tgt Ion: 91 Resp: 264556

Ion Ratio Lower Upper

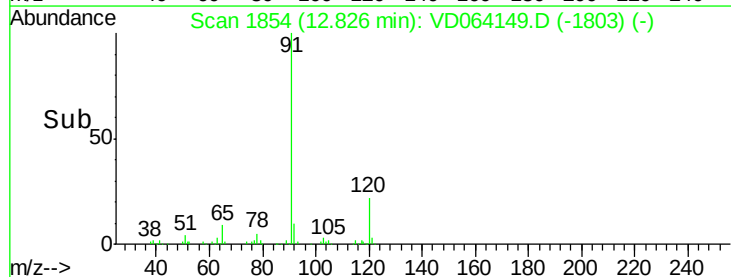
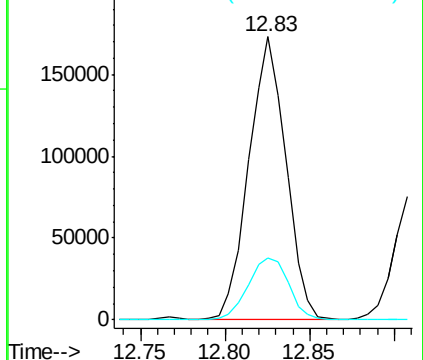
91 100

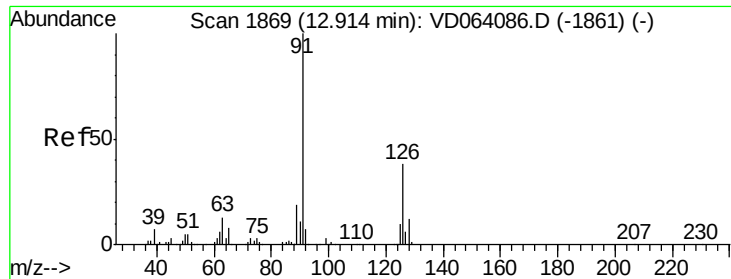
120 24.0 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.949 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

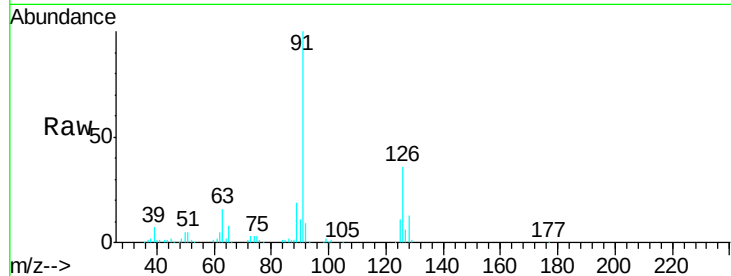
VD1101SBSD01

Tgt Ion: 91 Resp: 140326

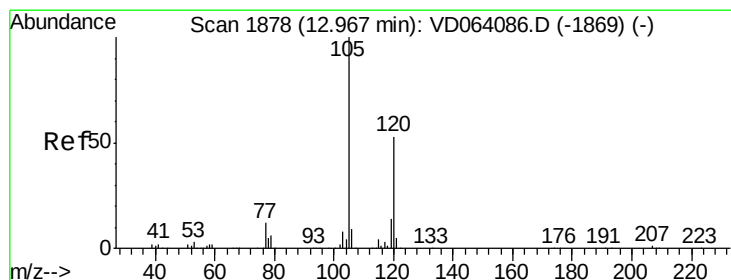
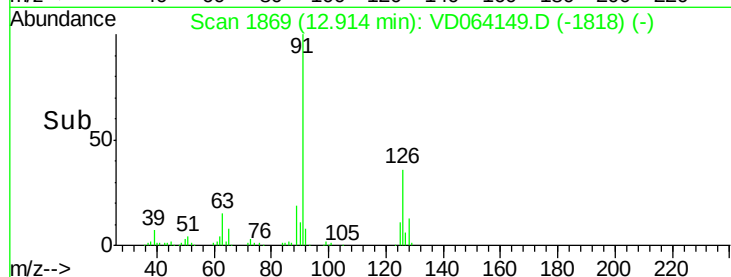
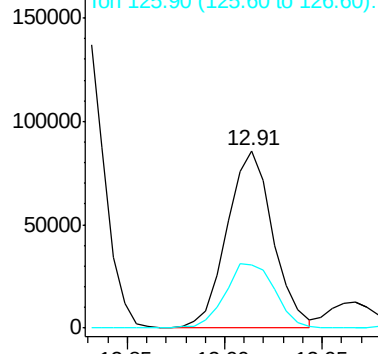
Ion Ratio Lower Upper

91 100

126 39.3 19.1 57.1



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 20.243 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064149.D

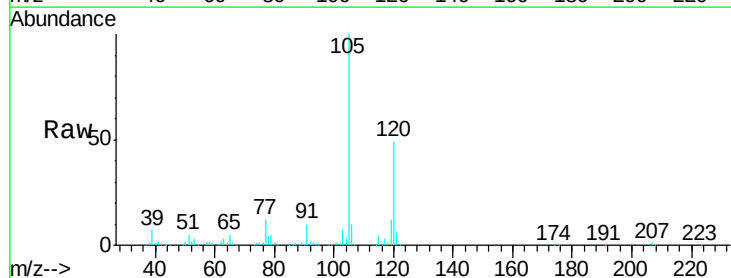
Acq: 01 Nov 2019 13:27

Tgt Ion: 105 Resp: 189706

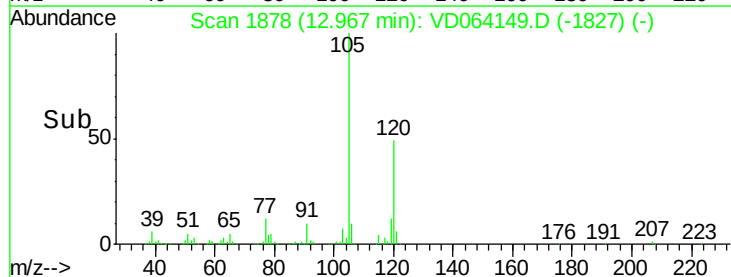
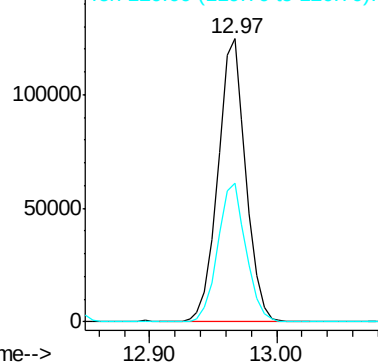
Ion Ratio Lower Upper

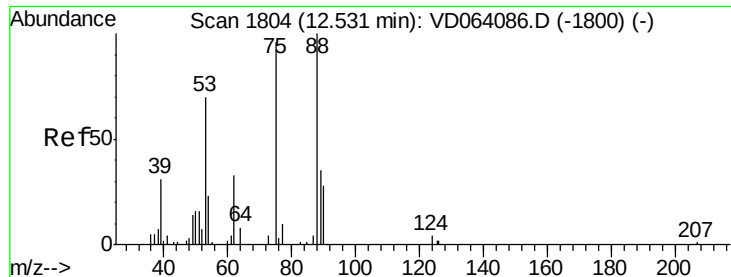
105 100

120 49.7 25.8 77.4



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.844 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBSD01

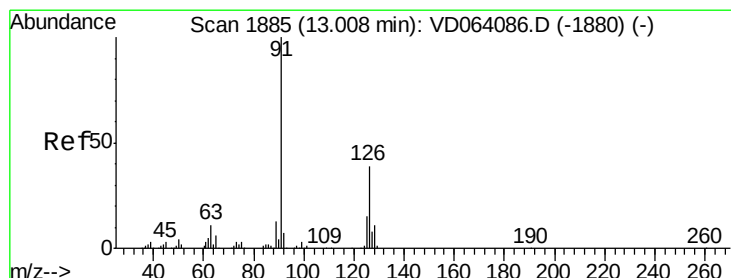
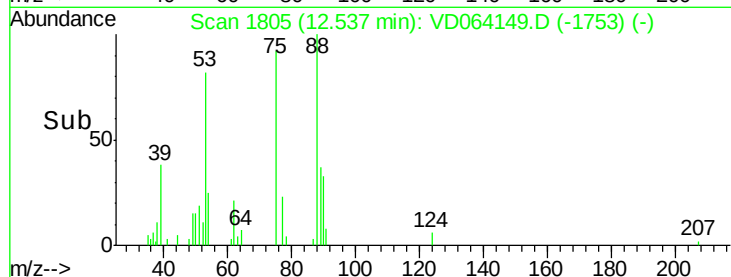
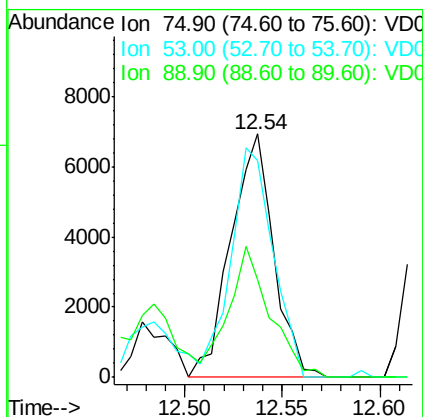
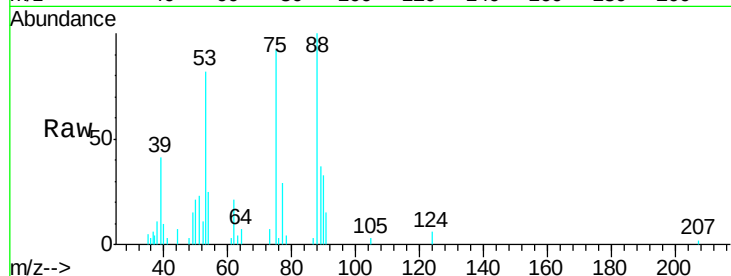
Tgt Ion: 75 Resp: 10521

Ion Ratio Lower Upper

75 100

53 92.9 68.6 103.0

89 52.2 36.9 55.3



#82

4-Chlorotoluene

Concen: 19.915 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD064149.D

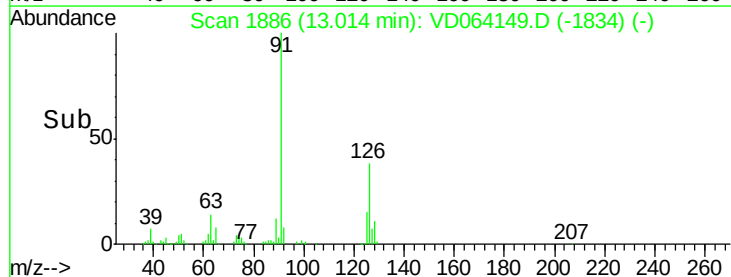
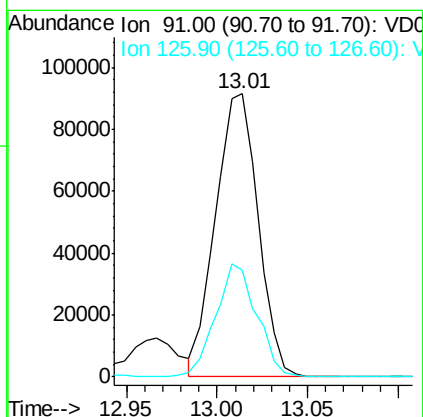
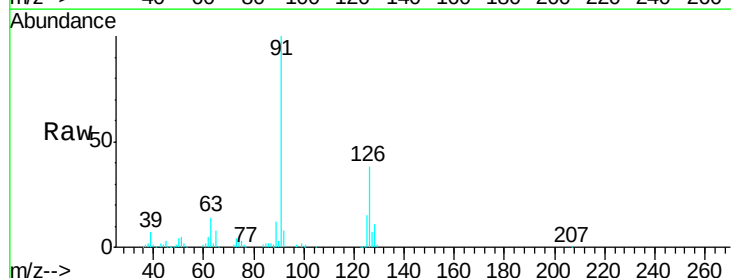
Acq: 01 Nov 2019 13:27

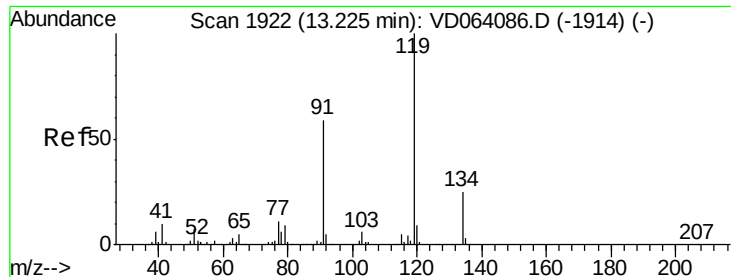
Tgt Ion: 91 Resp: 149689

Ion Ratio Lower Upper

91 100

126 38.6 18.9 56.5

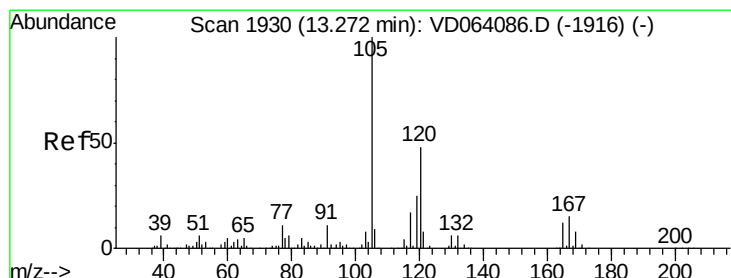
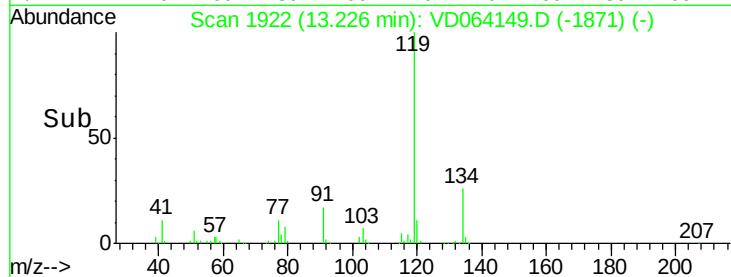
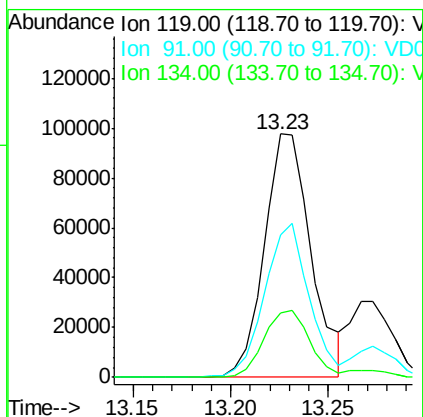
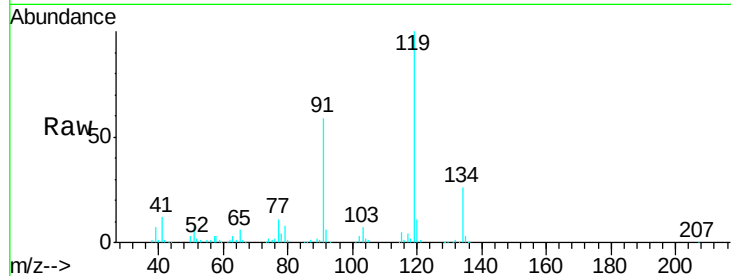




#83
 tert-Butylbenzene
 Concen: 19.221 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD064149.D
 Acq: 01 Nov 2019 13:27

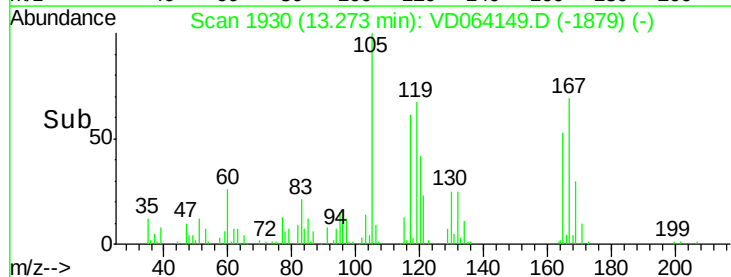
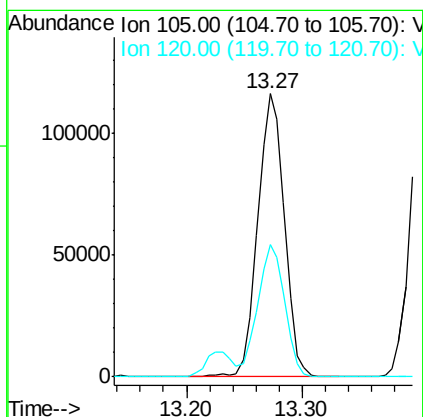
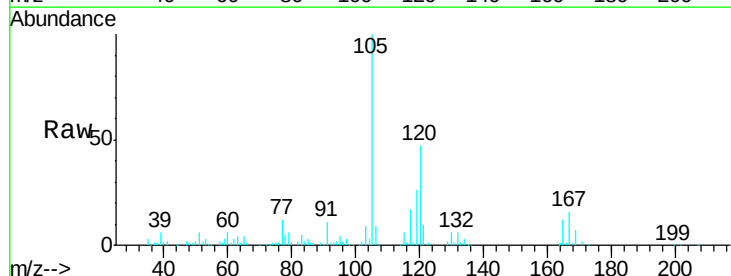
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBSD01

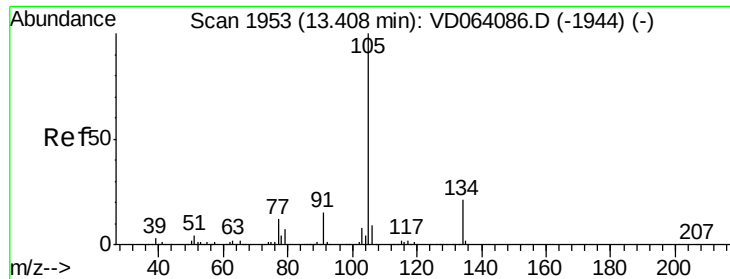
Tgt Ion:119 Resp: 161789
 Ion Ratio Lower Upper
 119 100
 91 60.2 28.3 85.0
 134 27.3 12.9 38.6



#84
 1,2,4-Trimethylbenzene
 Concen: 19.804 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064149.D
 Acq: 01 Nov 2019 13:27

Tgt Ion:105 Resp: 186445
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.1 72.4

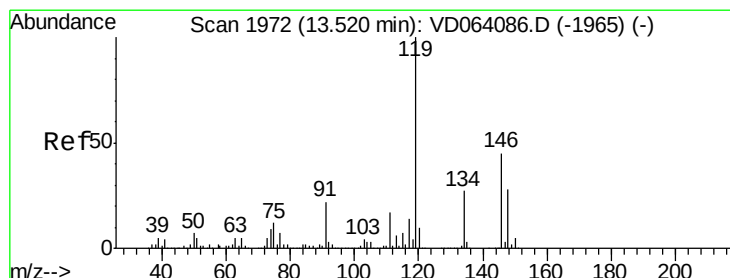
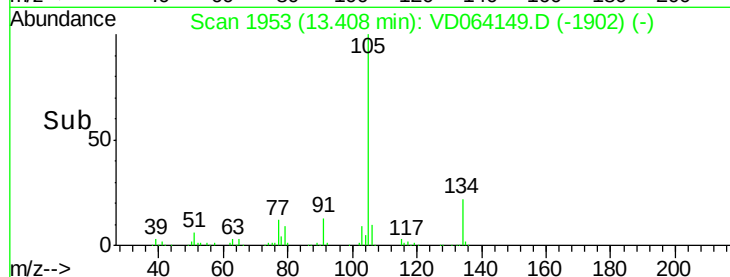
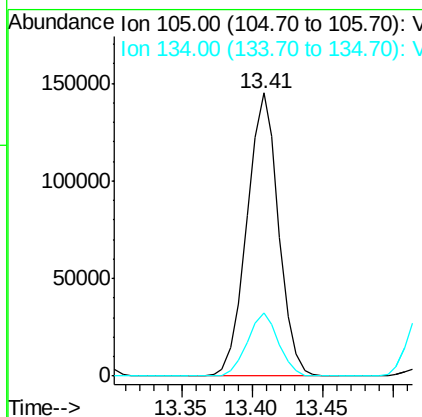
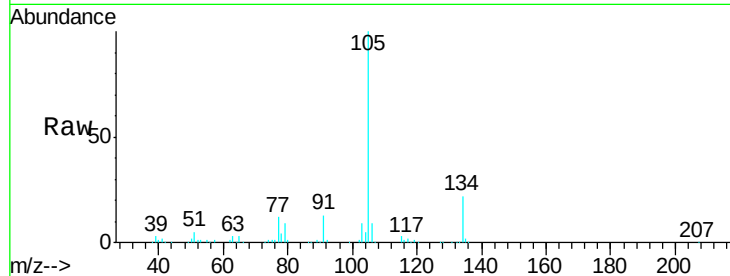




#85
 sec-Butylbenzene
 Concen: 19.676 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064149.D
 Acq: 01 Nov 2019 13:27

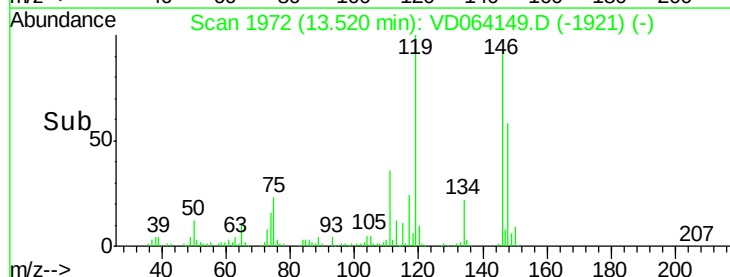
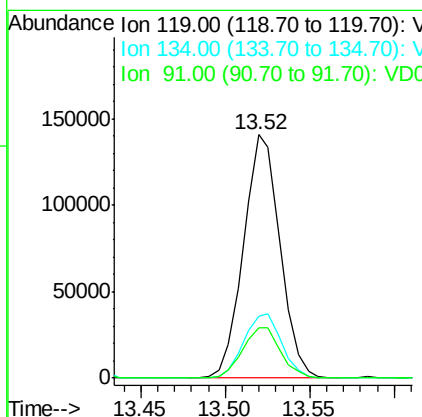
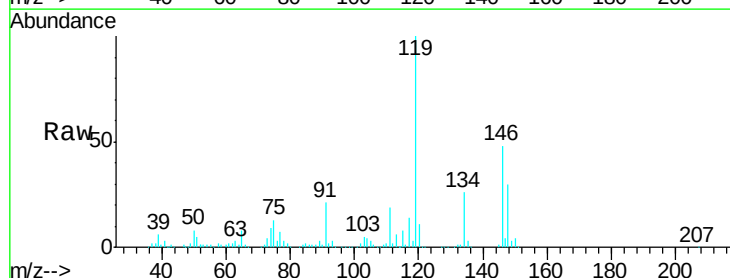
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBSD01

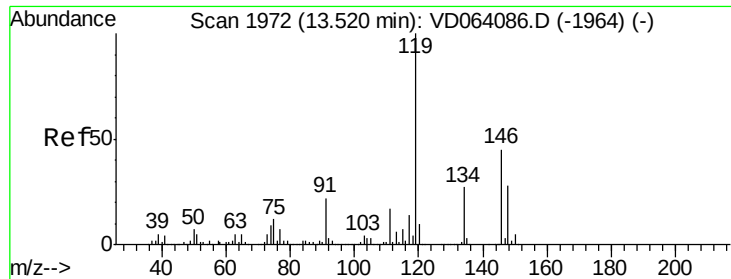
Tgt Ion:105 Resp: 227446
 Ion Ratio Lower Upper
 105 100
 134 21.9 10.4 31.2



#86
 p-Isopropyltoluene
 Concen: 19.491 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD064149.D
 Acq: 01 Nov 2019 13:27

Tgt Ion:119 Resp: 211691
 Ion Ratio Lower Upper
 119 100
 134 27.5 13.6 40.8
 91 21.5 10.9 32.6

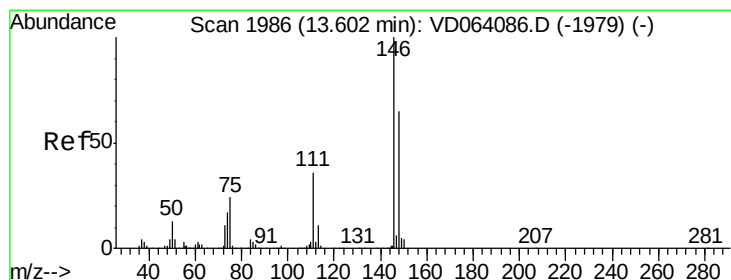
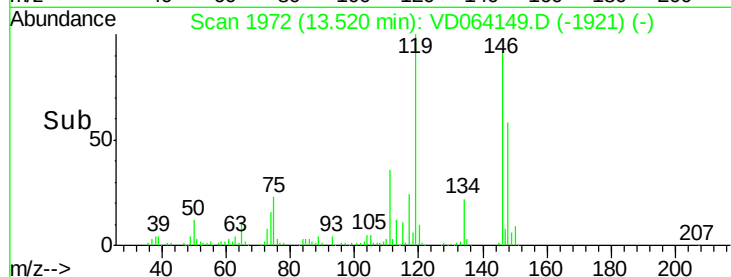
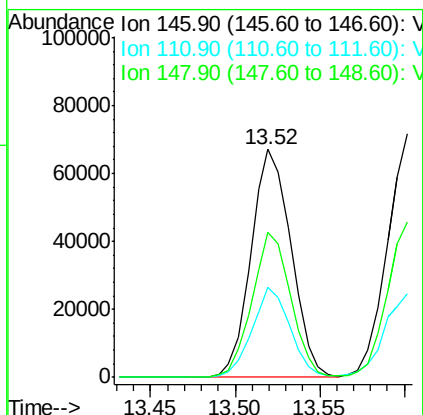
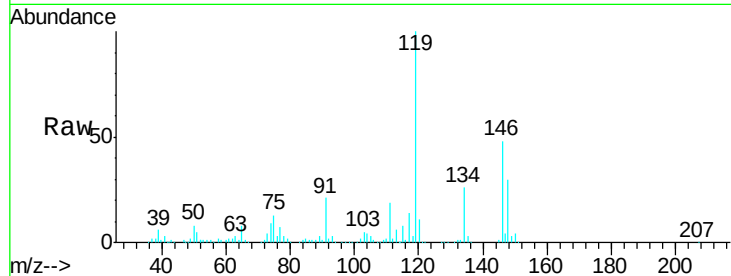




#87
 1,3-Dichlorobenzene
 Concen: 20.384 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD064149.D
 Acq: 01 Nov 2019 13:27

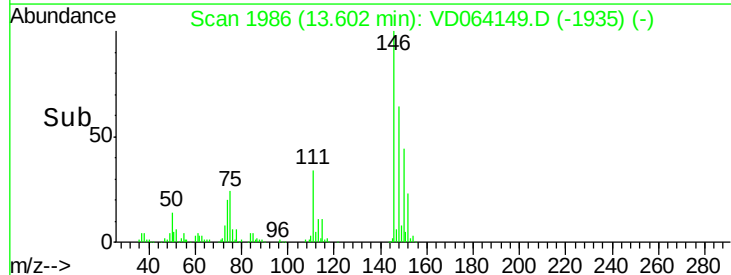
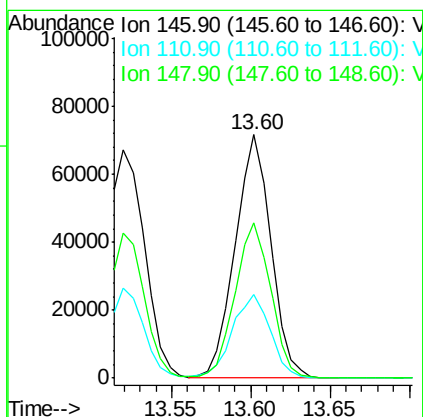
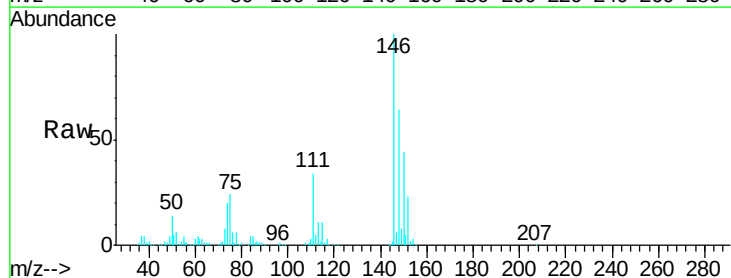
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBSD01

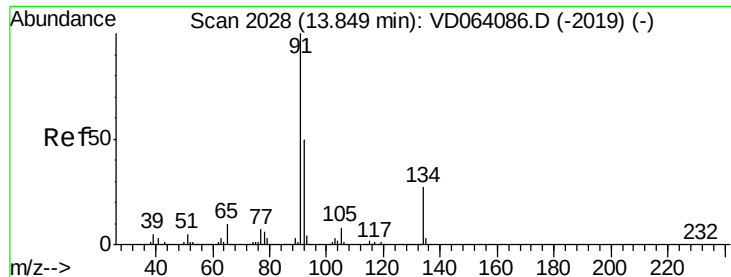
Tgt Ion:146 Resp: 110441
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.9 56.9
 148 61.1 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 21.083 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064149.D
 Acq: 01 Nov 2019 13:27

Tgt Ion:146 Resp: 112606
 Ion Ratio Lower Upper
 146 100
 111 36.4 18.4 55.4
 148 63.8 32.4 97.0

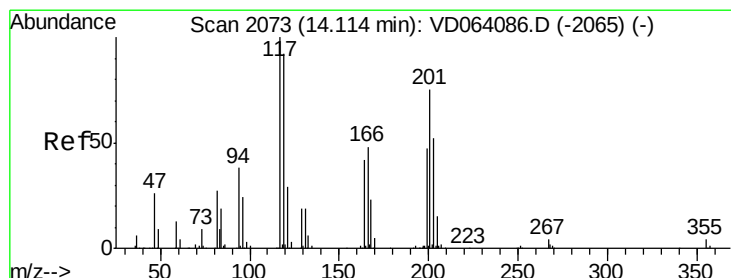
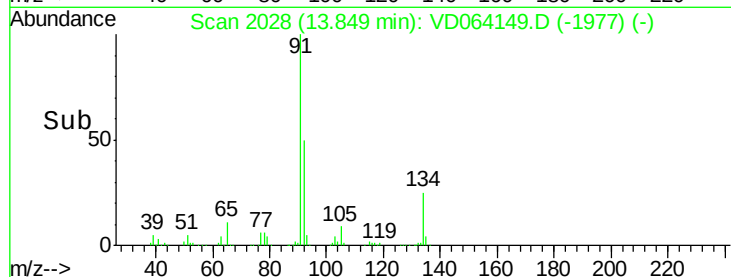
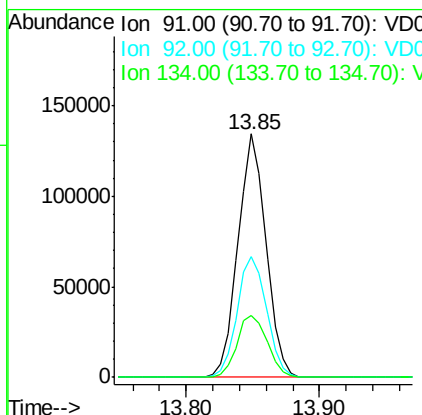
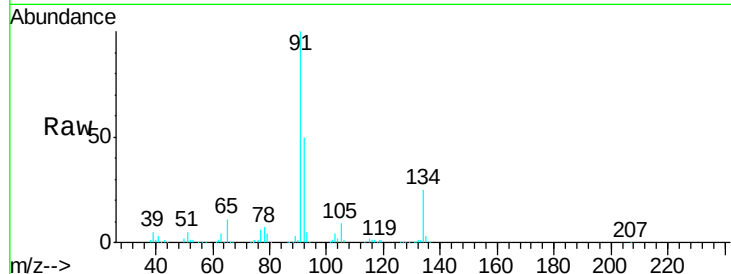




#89
n-Butylbenzene
Concen: 19.497 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

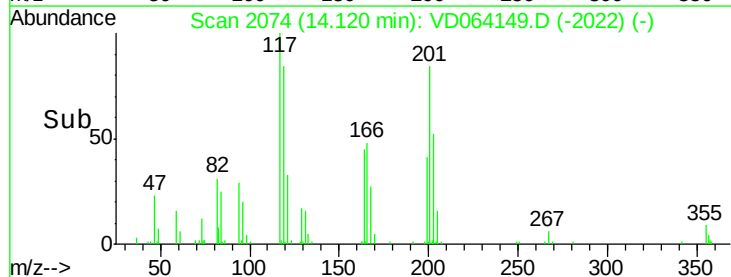
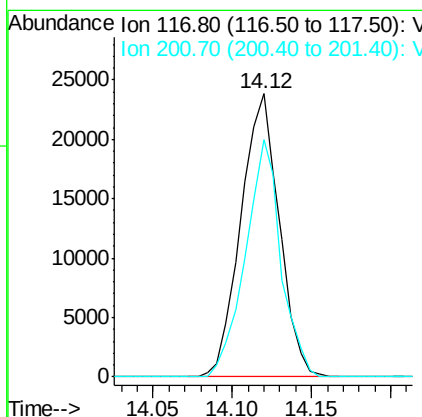
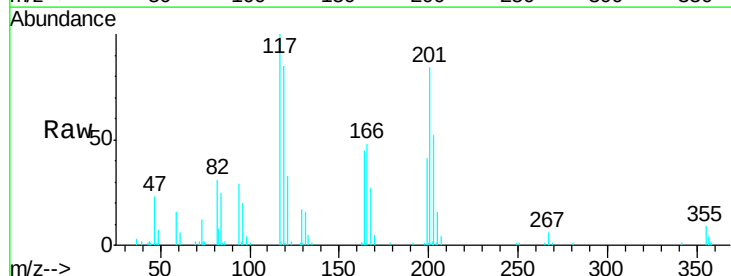
Instrument :
MSVOA_D
ClientSampleId :
VD1101SBSD01

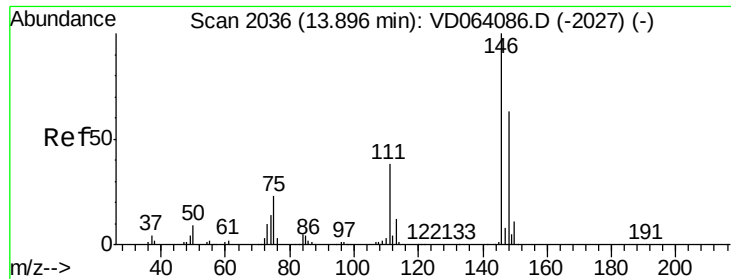
Tgt Ion: 91 Resp: 195311
Ion Ratio Lower Upper
91 100
92 52.1 25.6 76.6
134 27.5 14.0 42.0



#90
Hexachloroethane
Concen: 19.706 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Tgt Ion: 117 Resp: 40070
Ion Ratio Lower Upper
117 100
201 77.1 38.4 115.2

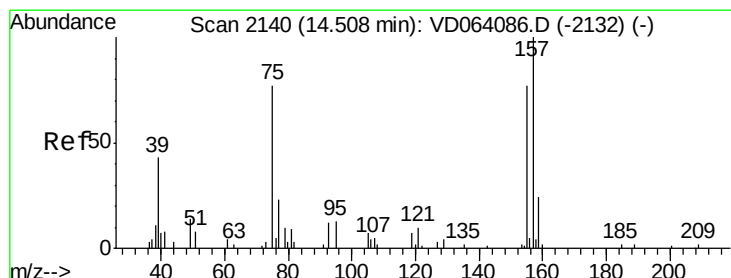
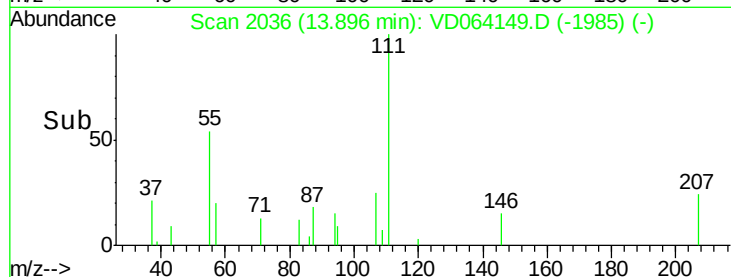
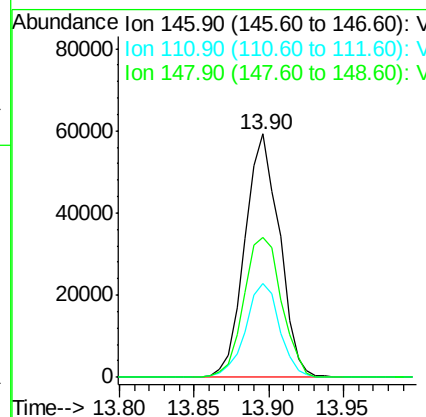
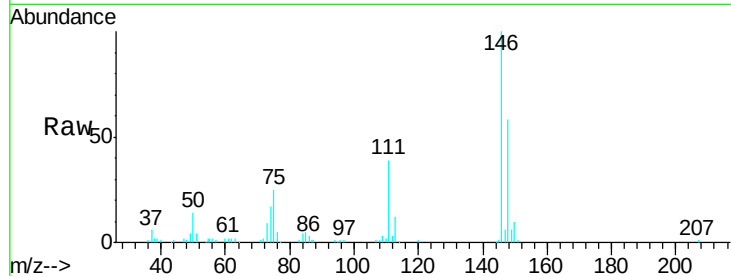




#91
 1,2-Dichlorobenzene
 Concen: 20.391 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064149.D
 Acq: 01 Nov 2019 13:27

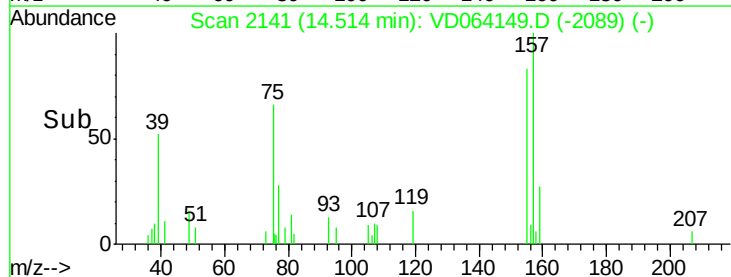
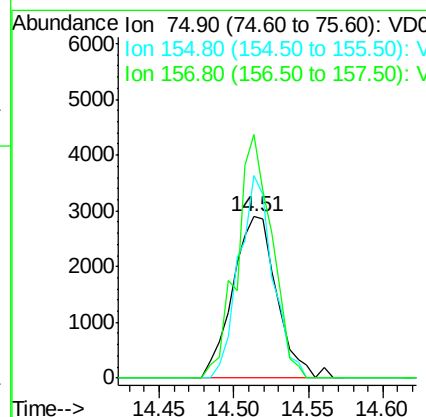
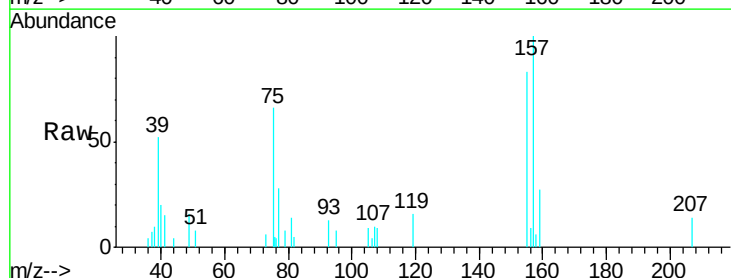
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBSD01

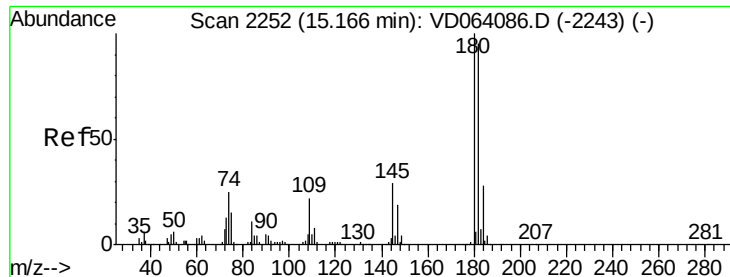
Tgt Ion: 146 Resp: 95080
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.1 57.1
 148 62.7 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.121 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD064149.D
 Acq: 01 Nov 2019 13:27

Tgt Ion: 75 Resp: 5960
 Ion Ratio Lower Upper
 75 100
 155 96.4 56.3 168.9
 157 119.3 72.2 216.6

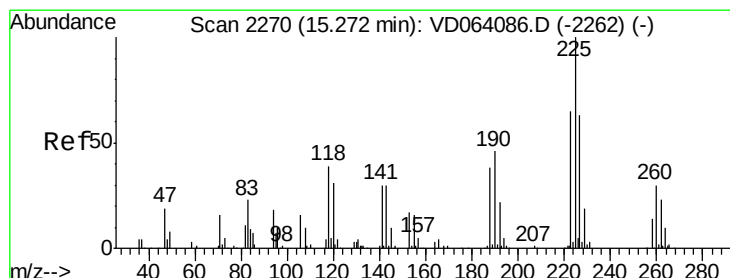
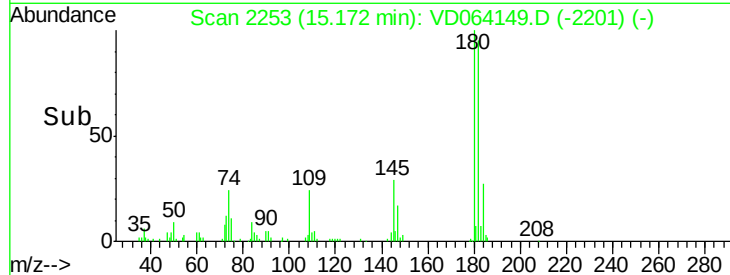
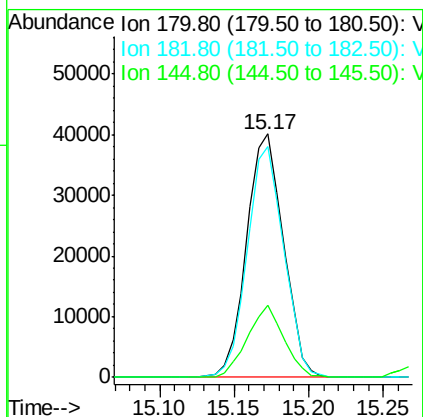
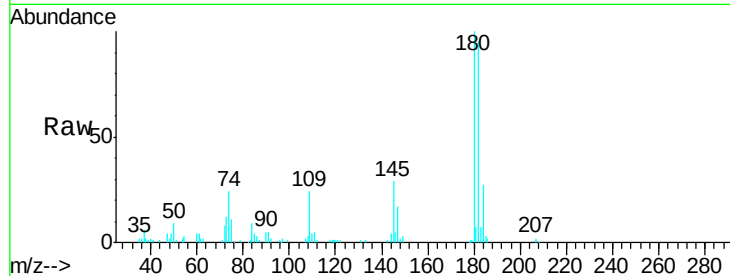




#93
 1,2,4-Trichlorobenzene
 Concen: 20.406 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064149.D
 Acq: 01 Nov 2019 13:27

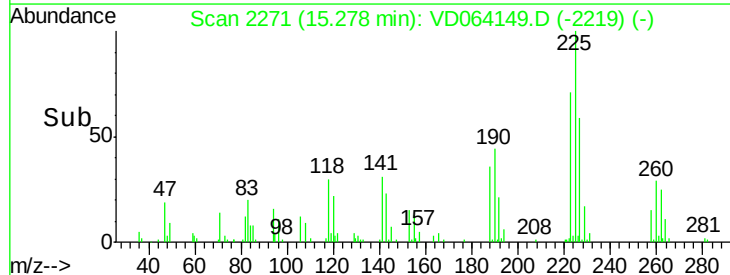
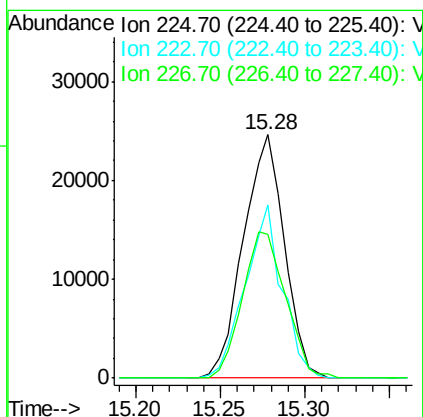
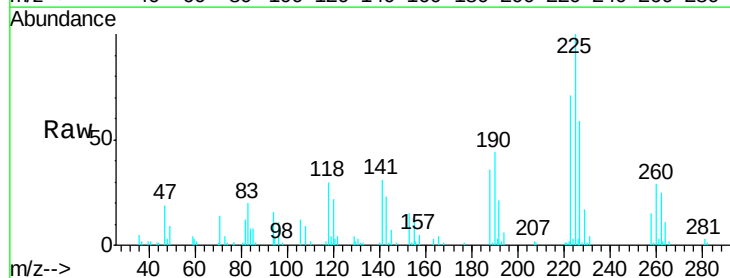
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBSD01

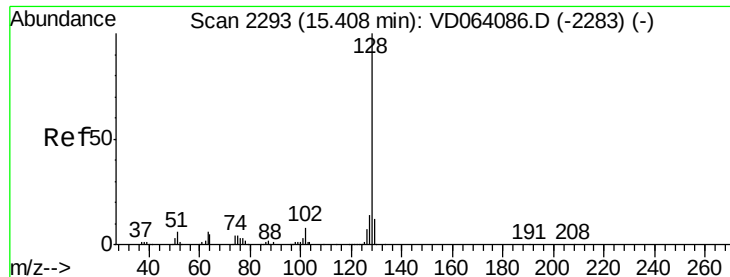
Tgt Ion:180 Resp: 68394
 Ion Ratio Lower Upper
 180 100
 182 94.1 46.9 140.7
 145 29.5 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: 21.203 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064149.D
 Acq: 01 Nov 2019 13:27

Tgt Ion:225 Resp: 41534
 Ion Ratio Lower Upper
 225 100
 223 64.5 30.8 92.3
 227 63.3 31.7 95.1





#95

Naphthalene

Concen: 20.469 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBSD01

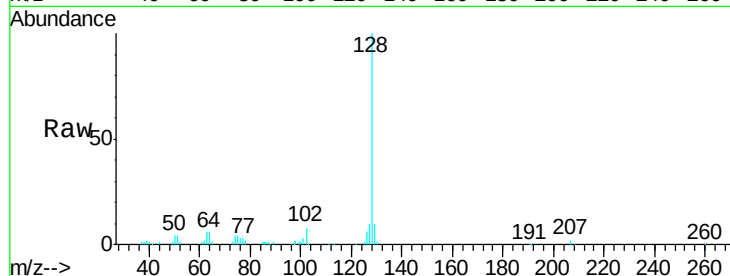
Tgt Ion:128 Resp: 111886

Ion Ratio Lower Upper

128 100

127 13.1 10.9 16.3

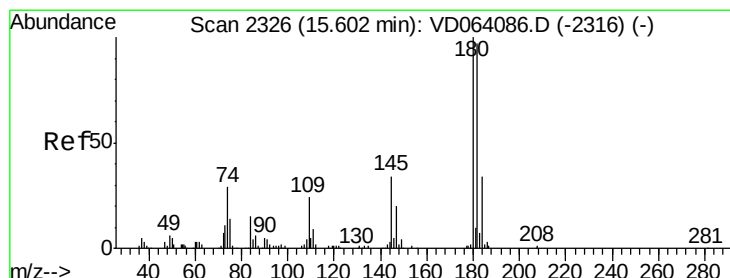
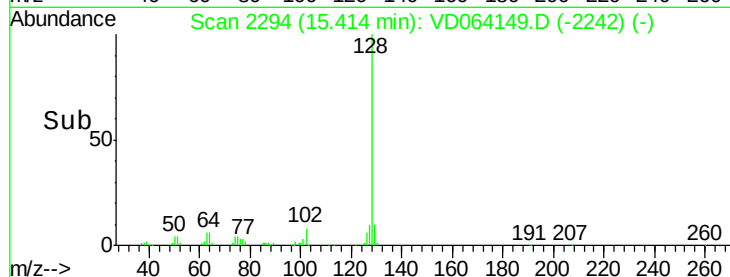
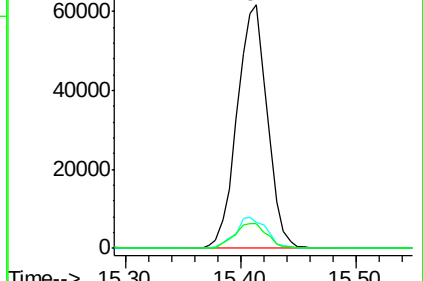
129 11.0 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.540 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

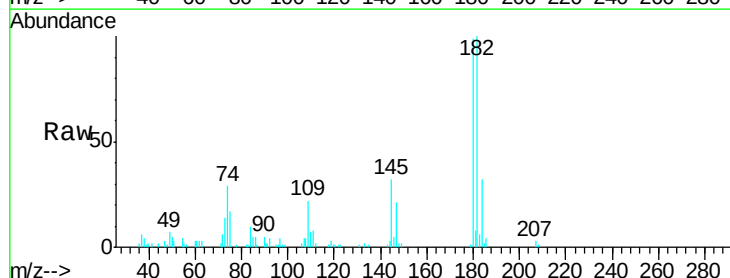
Tgt Ion:180 Resp: 56729

Ion Ratio Lower Upper

180 100

182 99.4 48.4 145.0

145 31.8 16.4 49.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

