

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102419\
 Data File : VD064040.D
 Acq On : 24 Oct 2019 12:05
 Operator : VA/SY
 Sample : VD1024SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 25 03:56:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	143166	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	231312	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	239950	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	128480	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	73161	52.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.98%	
35) Dibromofluoromethane	7.92	113	75433	53.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.72%	
50) Toluene-d8	10.34	98	321541	56.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.08%	
62) 4-Bromofluorobenzene	12.63	95	106018	53.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	19451	19.158	ug/l	88
3) Chloromethane	2.21	50	70229	23.265	ug/l	96
4) Vinyl Chloride	2.35	62	83548	25.461	ug/l	97
5) Bromomethane	2.77	94	49115	23.281	ug/l	94
6) Chloroethane	2.93	64	53992	24.879	ug/l #	88
7) Trichlorofluoromethane	3.27	101	117495	27.081	ug/l	95
8) Diethyl Ether	3.71	74	15480	22.229	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.08	101	27607	22.988	ug/l	94
10) Methyl Iodide	4.30	142	27659	16.714	ug/l	99
11) Tert butyl alcohol	5.24	59	9423	92.252	ug/l #	92
12) 1,1-Dichloroethene	4.06	96	24904	20.756	ug/l #	87
13) Acrolein	3.93	56	8919	71.645	ug/l	85
14) Allyl chloride	4.70	41	42007	21.058	ug/l	97
15) Acrylonitrile	5.43	53	35223	114.725	ug/l	98
16) Acetone	4.17	43	35806	98.669	ug/l #	85
17) Carbon Disulfide	4.40	76	81953	18.790	ug/l #	92
18) Methyl Acetate	4.72	43	17565	24.747	ug/l #	58
19) Methyl tert-butyl Ether	5.49	73	60010	19.314	ug/l	96
20) Methylene Chloride	4.96	84	41332	24.111	ug/l #	80
21) trans-1,2-Dichloroethene	5.47	96	32130	21.511	ug/l	94
22) Diisopropyl ether	6.37	45	94705	23.246	ug/l #	95
23) Vinyl Acetate	6.31	43	270339	111.544	ug/l	97
24) 1,1-Dichloroethane	6.27	63	58635	23.366	ug/l #	94
25) 2-Butanone	7.23	43	49231	114.474	ug/l #	87
26) 2,2-Dichloropropane	7.21	77	49645	21.870	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	37750	22.329	ug/l	95
28) Bromochloromethane	7.56	49	18674	20.707	ug/l	94
29) Tetrahydrofuran	7.57	42	26963	107.414	ug/l	94
30) Chloroform	7.71	83	58711	21.541	ug/l	96
31) Cyclohexane	7.99	56	53302	23.582	ug/l #	82
32) 1,1,1-Trichloroethane	7.90	97	55124	23.577	ug/l	97
36) 1,1-Dichloropropene	8.11	75	49273	23.298	ug/l	97
37) Ethyl Acetate	7.30	43	19339	20.446	ug/l #	96
38) Carbon Tetrachloride	8.10	117	46935	21.961	ug/l #	82

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Quant Time: Oct 25 03:56:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	57857	22.249	ug/l	95
40) Benzene	8.36	78	138521	22.855	ug/l	98
41) Methacrylonitrile	7.53	41	11982	24.436	ug/l #	82
42) 1,2-Dichloroethane	8.43	62	39622	22.600	ug/l	98
43) Isopropyl Acetate	8.46	43	38016	21.434	ug/l #	83
44) Trichloroethene	9.11	130	37745	21.597	ug/l	96
45) 1,2-Dichloropropane	9.39	63	32703	22.045	ug/l	92
46) Dibromomethane	9.48	93	17994	21.298	ug/l	96
47) Bromodichloromethane	9.67	83	47456	21.817	ug/l	98
48) Methyl methacrylate	9.46	41	18249	21.474	ug/l	93
49) 1,4-Dioxane	9.46	88	5074	439.984	ug/l #	71
51) 4-Methyl-2-Pentanone	10.23	43	97700	106.211	ug/l	98
52) Toluene	10.41	92	97794	23.505	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	43488	20.488	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	53096	21.731	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	27458	23.018	ug/l	94
56) Ethyl methacrylate	10.66	69	30935	20.478	ug/l #	95
57) 1,3-Dichloropropane	10.95	76	44470	21.788	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	66920	103.060	ug/l	99
59) 2-Hexanone	10.99	43	71129	106.896	ug/l	98
60) Dibromochloromethane	11.14	129	33294	21.438	ug/l	99
61) 1,2-Dibromoethane	11.25	107	26626	23.023	ug/l	97
64) Tetrachloroethene	10.87	164	36520	22.294	ug/l	95
65) Chlorobenzene	11.67	112	109251	22.672	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	37811	21.294	ug/l	98
67) Ethyl Benzene	11.75	91	192752	22.183	ug/l	97
68) m/p-Xylenes	11.86	106	147310	43.922	ug/l	98
69) o-Xylene	12.18	106	68793	21.421	ug/l	94
70) Styrene	12.20	104	119891	22.053	ug/l	98
71) Bromoform	12.37	173	20439	21.449	ug/l #	98
73) Isopropylbenzene	12.48	105	185634	21.493	ug/l	98
74) N-amyl acetate	12.29	43	36069	19.396	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	30957	20.597	ug/l	94
76) 1,2,3-Trichloropropane	12.78	75	40454	47.011	ug/l #	100
77) Bromobenzene	12.76	156	46946	21.816	ug/l	97
78) n-propylbenzene	12.83	91	234814	23.162	ug/l	100
79) 2-Chlorotoluene	12.91	91	123157	22.031	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	158251	21.962	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	8479	17.436	ug/l #	85
82) 4-Chlorotoluene	13.01	91	133746	22.554	ug/l	98
83) tert-Butylbenzene	13.23	119	140784	21.953	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	160783	21.644	ug/l	100
85) sec-Butylbenzene	13.40	105	198109	22.875	ug/l	100
86) p-Isopropyltoluene	13.52	119	183462	22.387	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	93643	22.024	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	92840	22.133	ug/l	99
89) n-Butylbenzene	13.85	91	173012	22.681	ug/l	99
90) Hexachloroethane	14.12	117	33100	22.457	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	81829	22.332	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	4617	18.209	ug/l	84

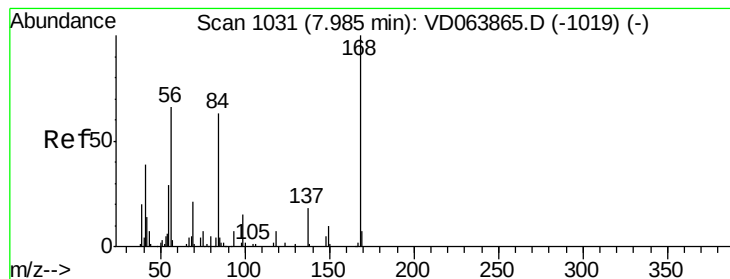
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102419\
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Quant Title : SW846 8260
QLast Update : Sat Oct 05 03:51:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	55099	19.488	ug/l	97
94) Hexachlorobutadiene	15.27	225	34742	22.268	ug/l	99
95) Naphthalene	15.40	128	93861	19.752	ug/l	97
96) 1,2,3-Trichlorobenzene	15.60	180	52254	21.421	ug/l	98

(#) = 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: VD064040.D

Acq: 24 Oct 2019 12:05

Instrument :

MSVOA_D

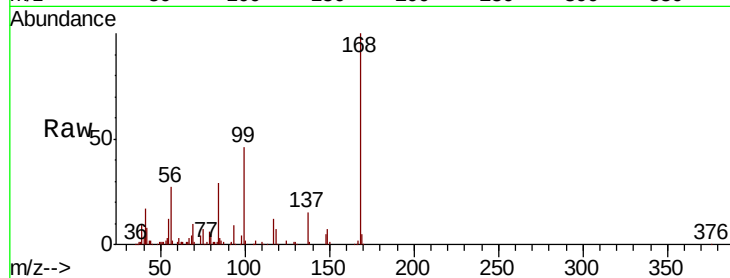
ClientSampleId :

Tot Ion:168 Resp: 143166

Ion Ratio Lower Upper

168 100

99 45.3 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

60000

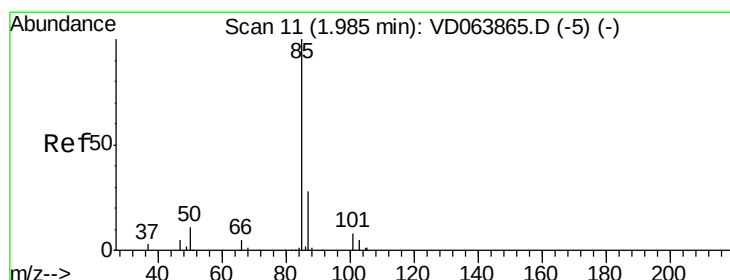
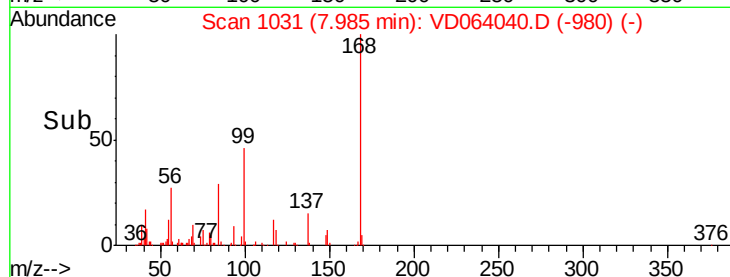
40000

20000

0

7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 19.158 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD064040.D

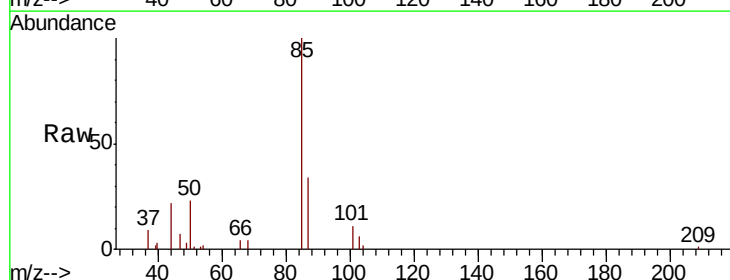
Acq: 24 Oct 2019 12:05

Tgt Ion: 85 Resp: 19451

Ion Ratio Lower Upper

85 100

87 34.2 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

15000

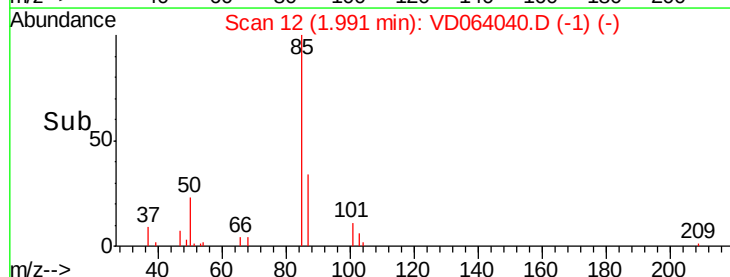
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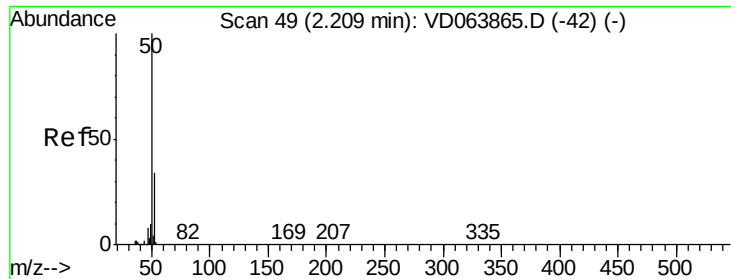
5000

0

1.95 2.00 2.05

Time-->

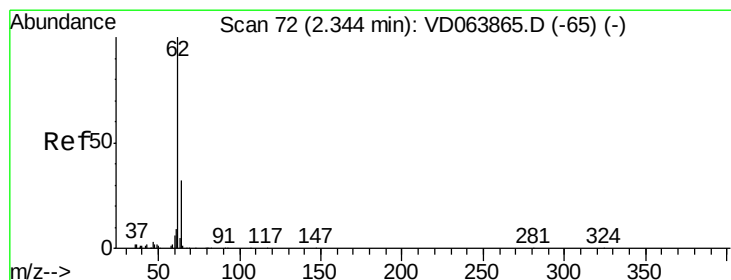
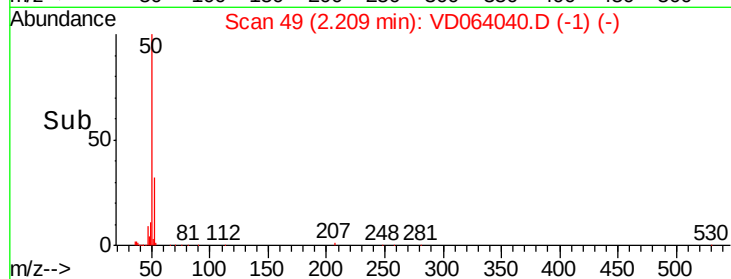
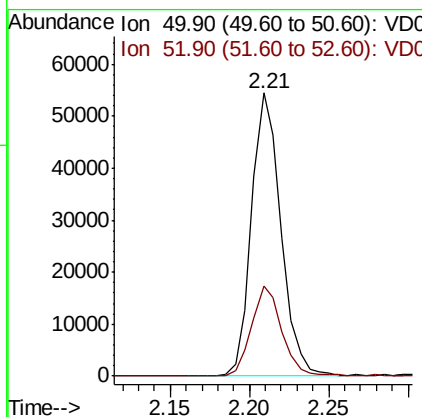
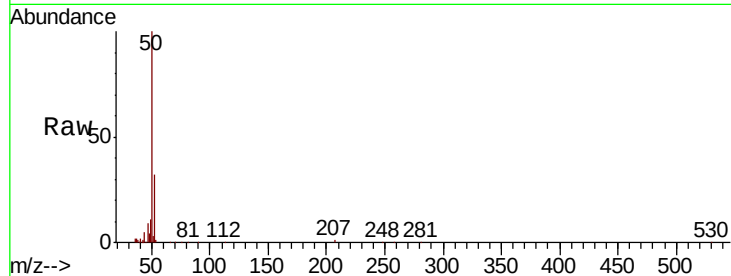




#3
Chloromethane
Concen: 23.265 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

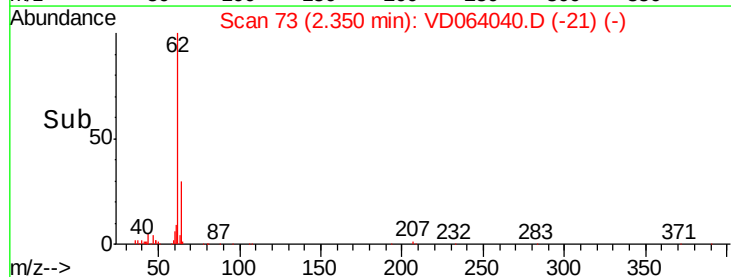
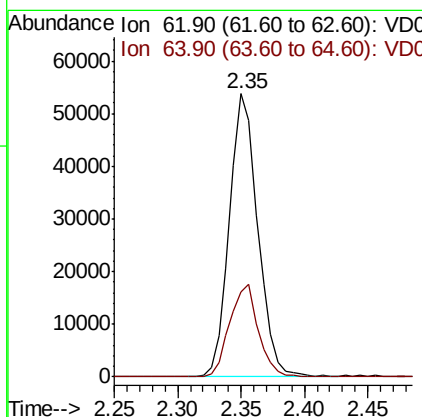
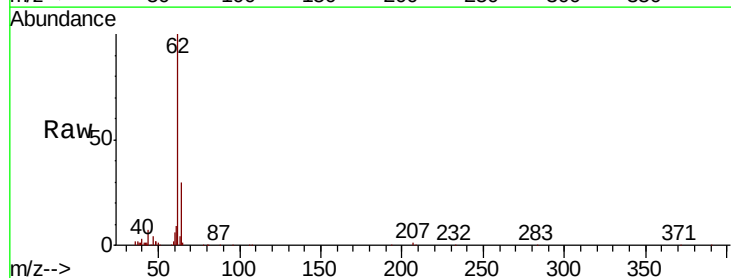
Instrument :
MSVOA_D
ClientSampleId :

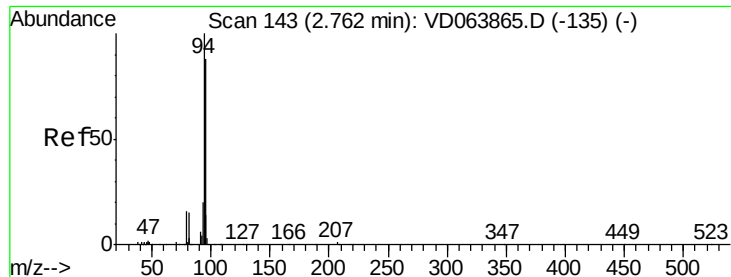
Tot Ion: 50 Resp: 70229
Ion Ratio Lower Upper
50 100
52 32.0 27.5 41.3



#4
Vinyl Chloride
Concen: 25.461 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.01 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Tgt Ion: 62 Resp: 83548
Ion Ratio Lower Upper
62 100
64 29.8 25.4 38.0





#5

Bromomethane

Concen: 23.281 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

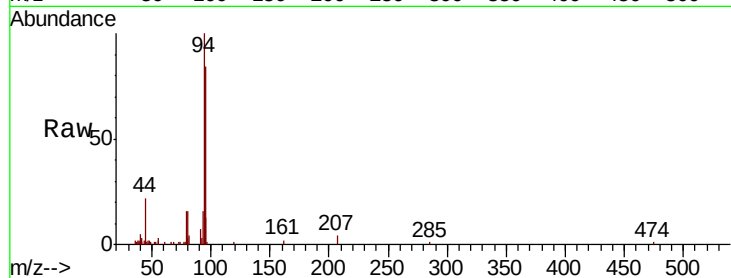
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 49115

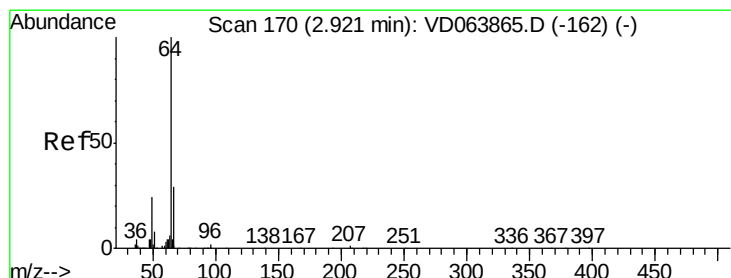
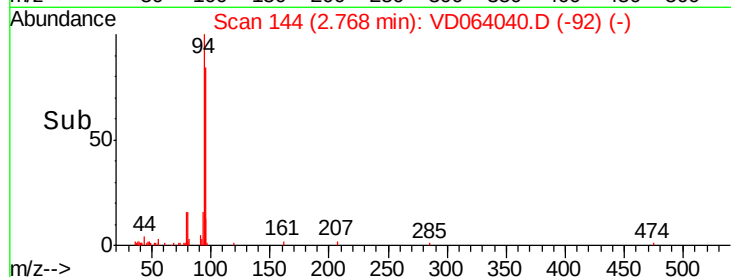
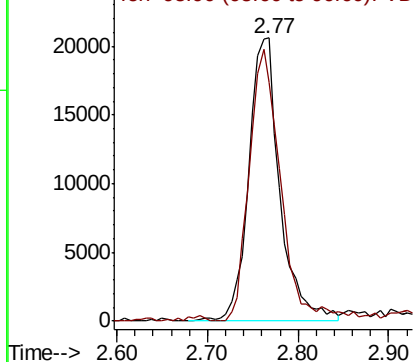
Ion Ratio Lower Upper

94 100

96 82.6 70.8 106.2



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 24.879 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064040.D

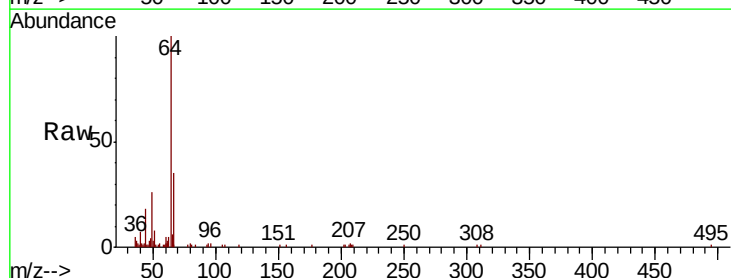
Acq: 24 Oct 2019 12:05

Tgt Ion: 64 Resp: 53992

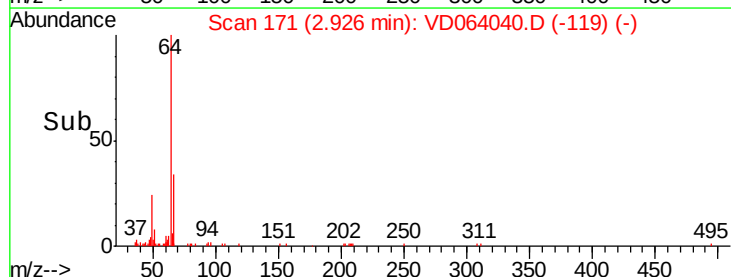
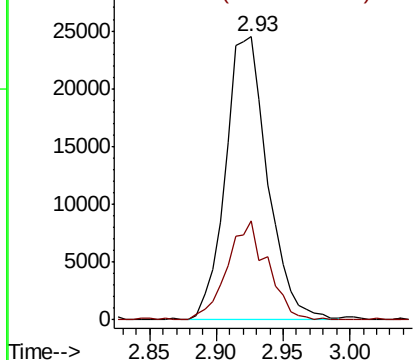
Ion Ratio Lower Upper

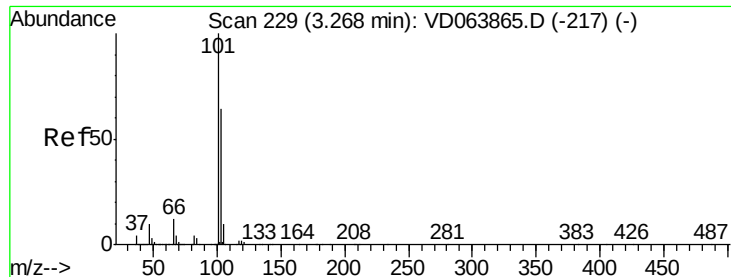
64 100

66 34.9 23.0 34.4#



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC



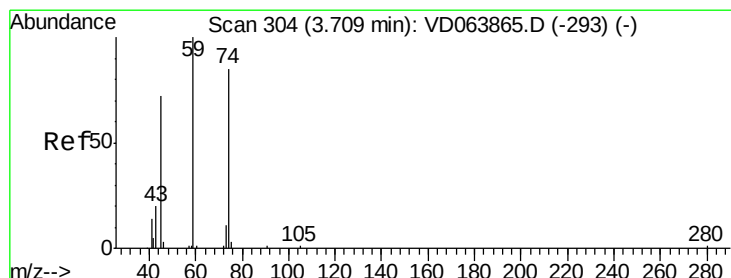
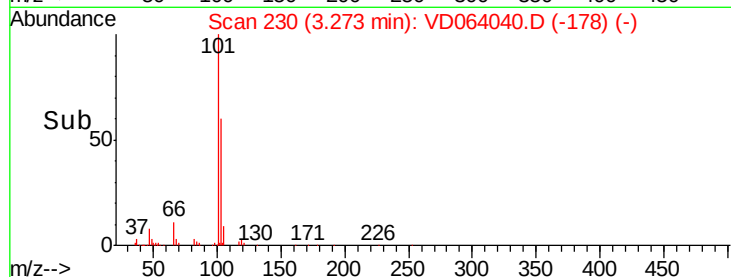
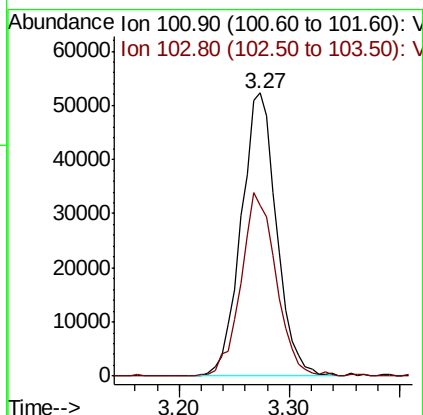
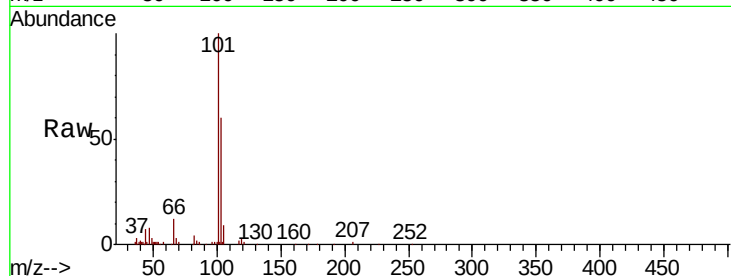


#7

Trichlorofluoromethane
Concen: 27.081 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Instrument :
MSVOA_D
ClientSampled :

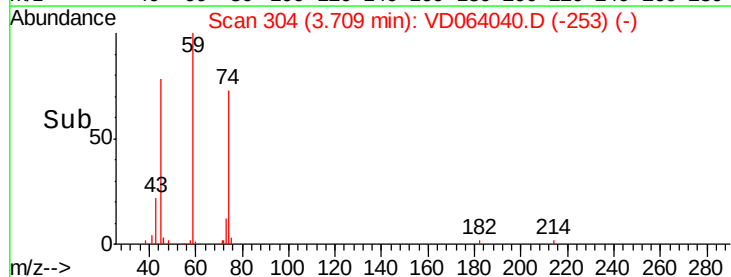
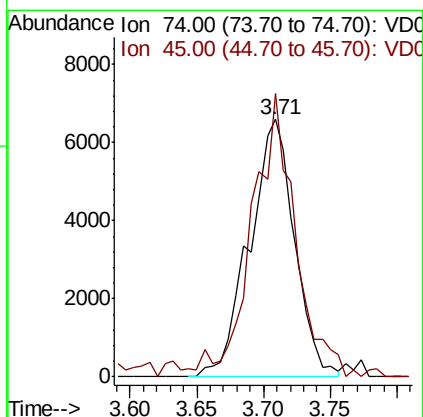
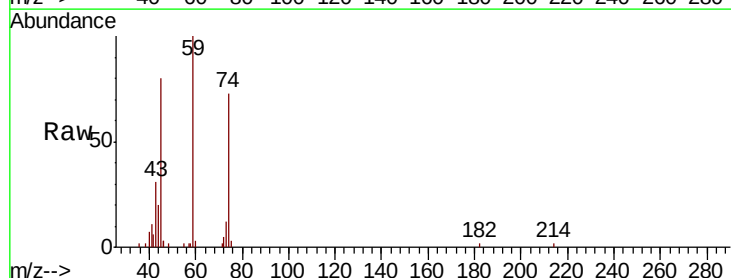
Tot Ion:101 Resp: 117495
Ion Ratio Lower Upper
101 100
103 60.2 51.1 76.7

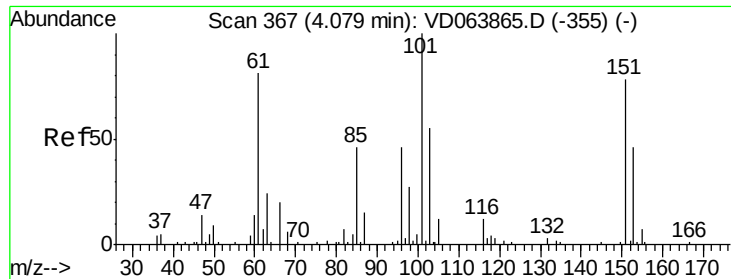


#8

Diethyl Ether
Concen: 22.229 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Tgt Ion: 74 Resp: 15480
Ion Ratio Lower Upper
74 100
45 102.4 48.1 144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.988 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.00 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

Instrument :

MSVOA_D

ClientSampled :

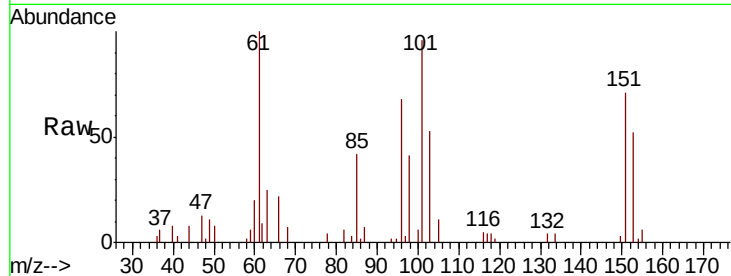
Tot Ion:101 Resp: 27607

Ion Ratio Lower Upper

101 100

85 48.7 37.5 56.3

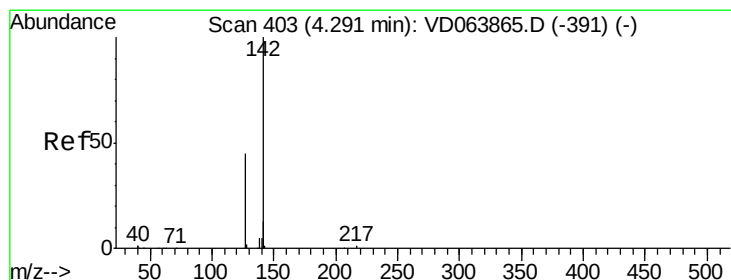
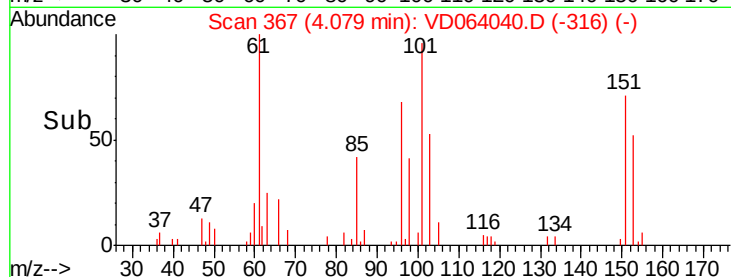
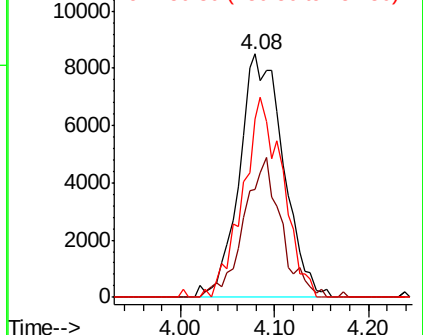
151 74.4 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.714 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

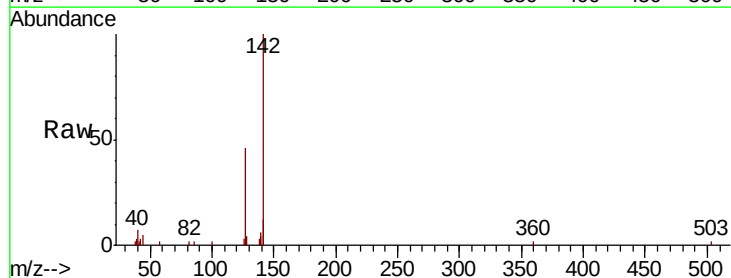
Tgt Ion:142 Resp: 27659

Ion Ratio Lower Upper

142 100

127 43.4 35.3 52.9

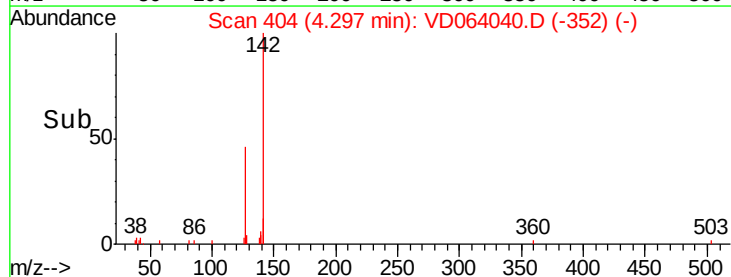
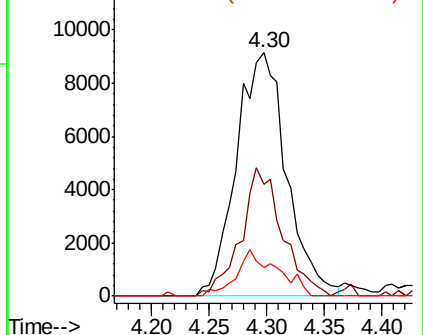
141 15.5 12.2 18.2

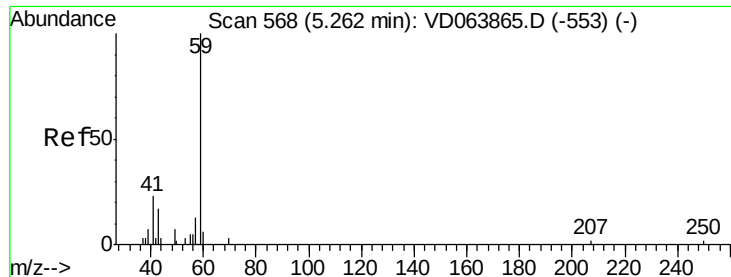


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

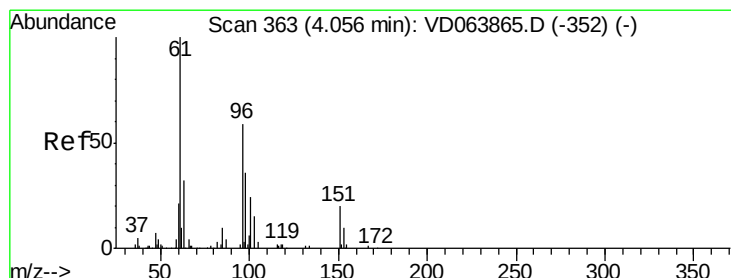
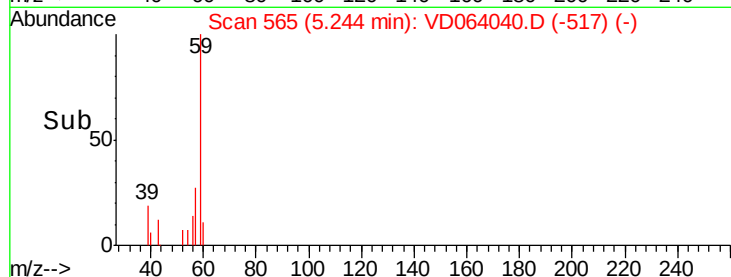
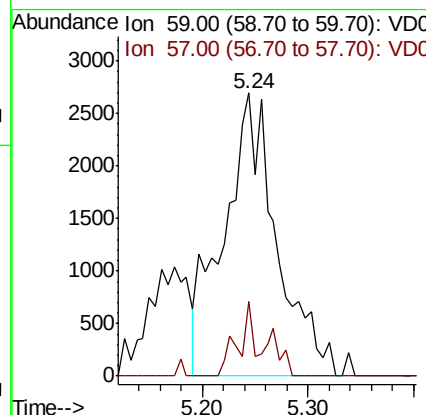
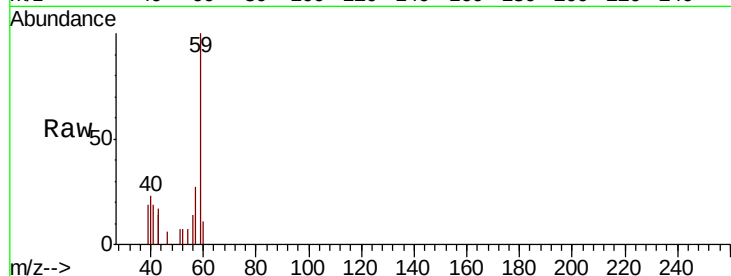




#11
Tert butyl alcohol
Concen: 92.252 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.02 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

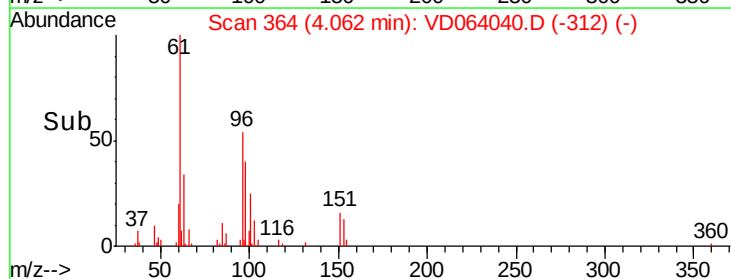
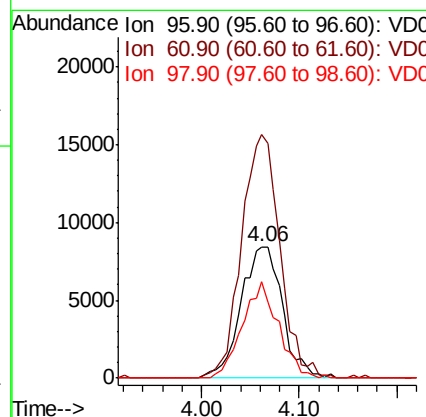
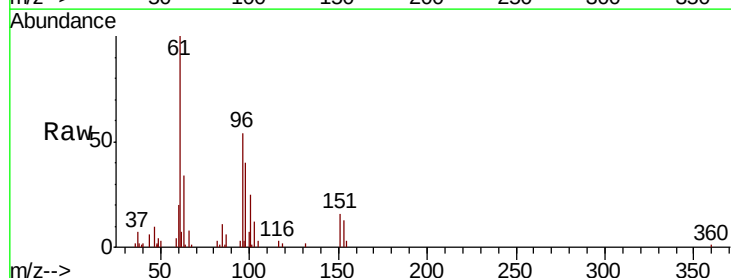
Instrument :
MSVOA_D
ClientSampleId :

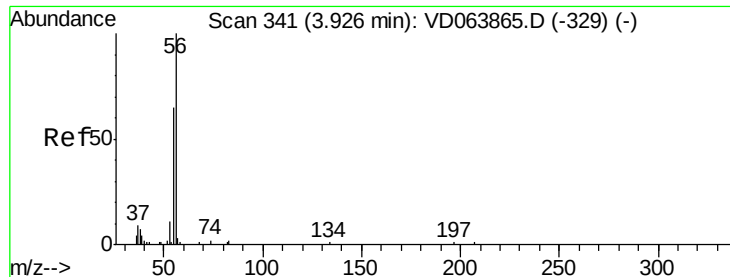
Tot Ion: 59 Resp: 9423
Ion Ratio Lower Upper
59 100
57 7.9 8.8 13.2#



#12
1,1-Dichloroethene
Concen: 20.756 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.01 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Tgt Ion: 96 Resp: 24904
Ion Ratio Lower Upper
96 100
61 185.9 135.6 203.4
98 74.0 49.2 73.8#





#13

Acrolein

Concen: 71.645 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

Instrument :

MSVOA_D

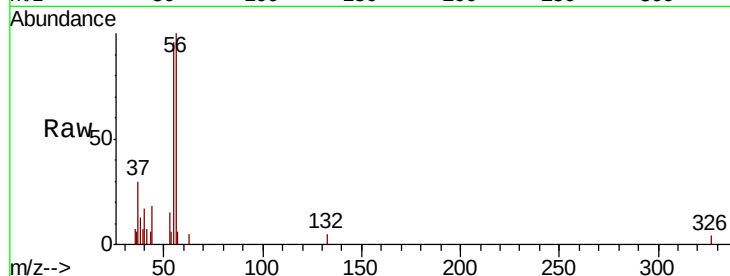
ClientSampleId :

Tot Ion: 56 Resp: 8919

Ion Ratio Lower Upper

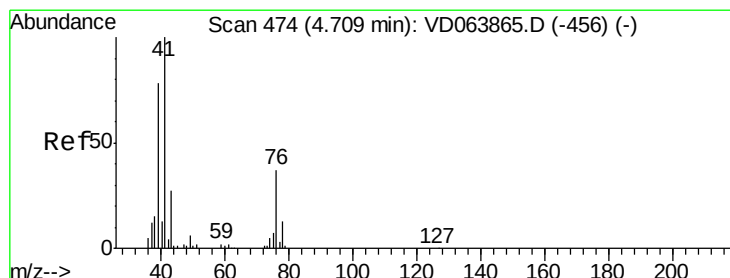
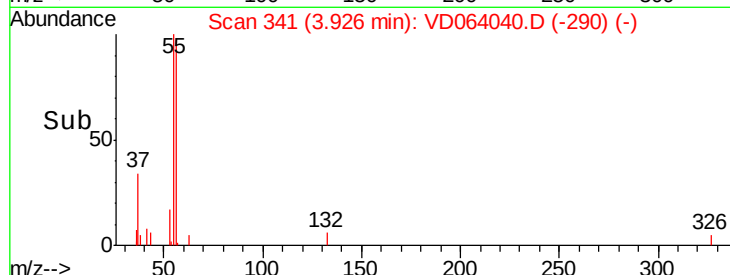
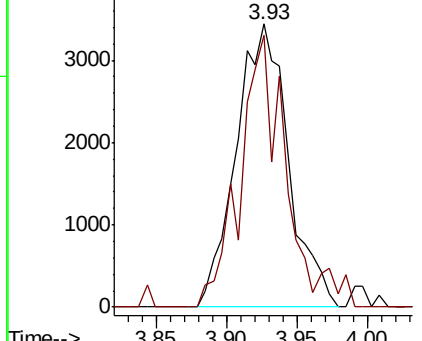
56 100

55 78.1 53.0 79.6



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.058 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

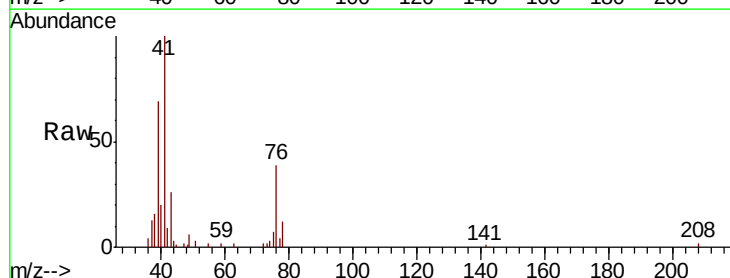
Tgt Ion: 41 Resp: 42007

Ion Ratio Lower Upper

41 100

39 79.8 61.8 92.6

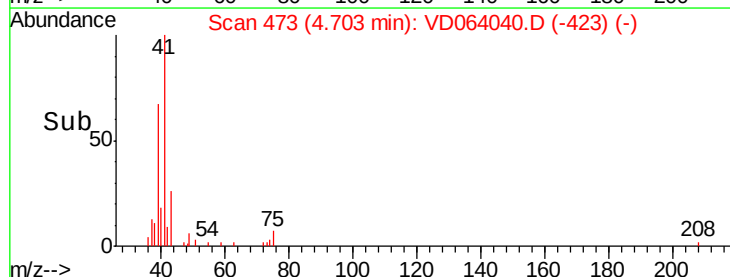
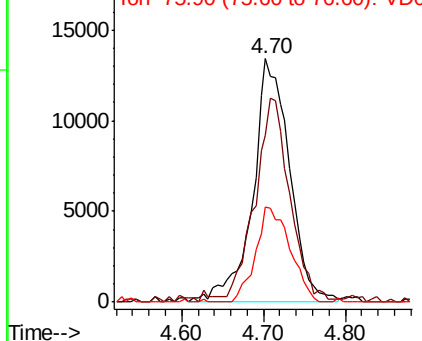
76 36.5 31.3 46.9

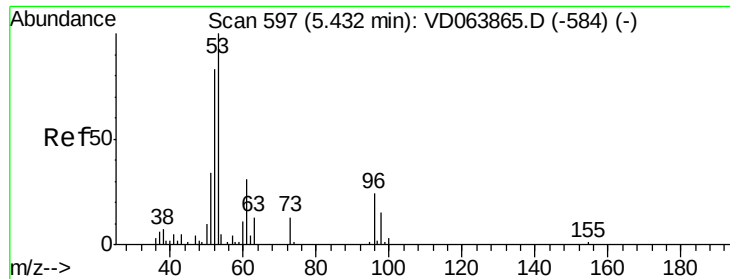


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 114.725 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

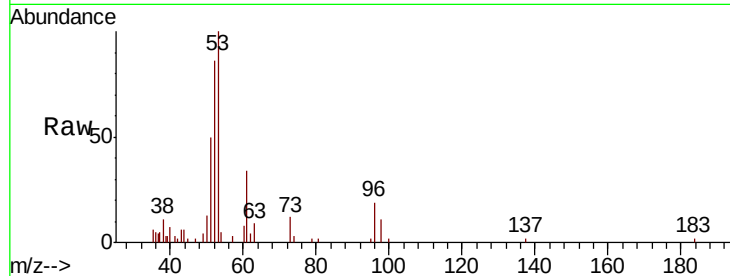
Tot Ion: 53 Resp: 35223

Ion Ratio Lower Upper

53 100

52 84.3 67.3 100.9

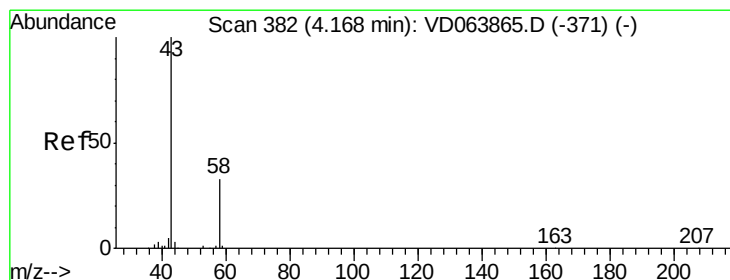
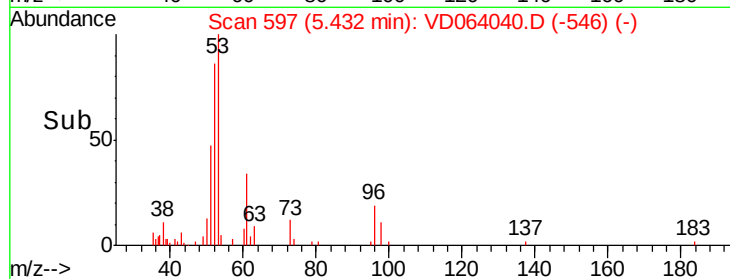
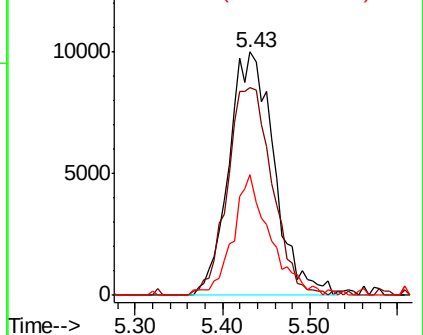
51 41.0 30.5 45.7



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: 98.669 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064040.D

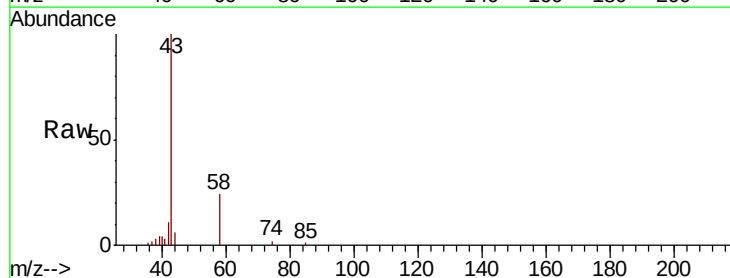
Acq: 24 Oct 2019 12:05

Tgt Ion: 43 Resp: 35806

Ion Ratio Lower Upper

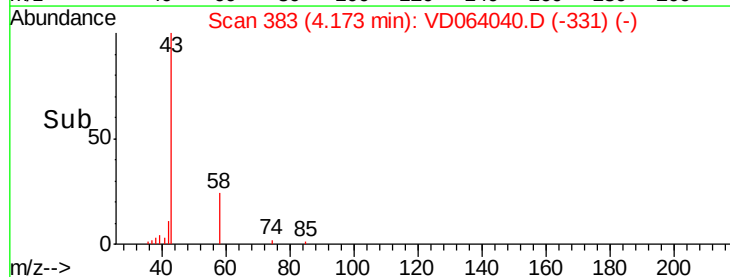
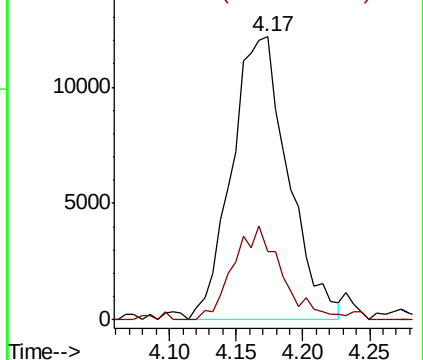
43 100

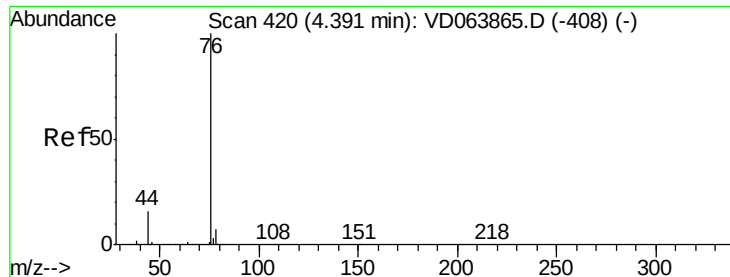
58 24.1 26.2 39.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 18.790 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

Instrument :

MSVOA_D

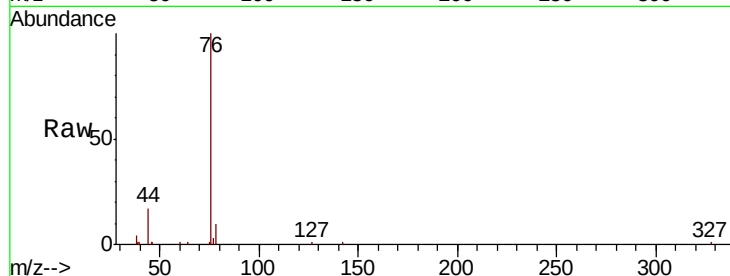
ClientSampleId :

Tot Ion: 76 Resp: 81953

Ion Ratio Lower Upper

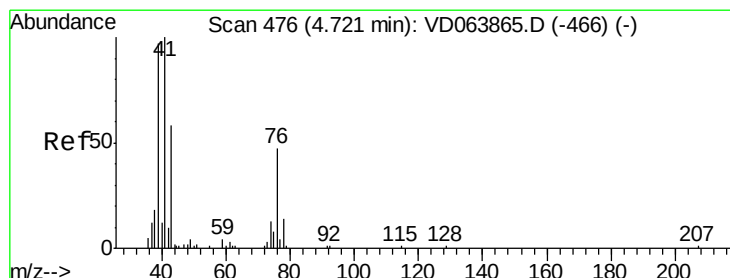
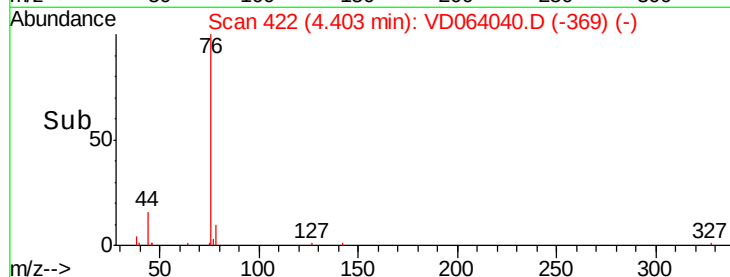
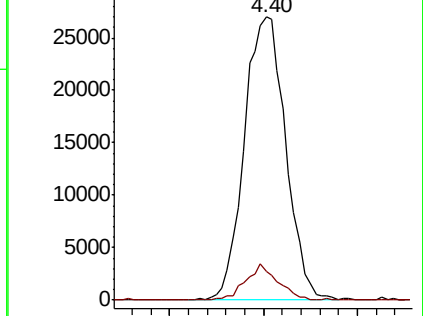
76 100

78 10.0 5.8 8.8#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 24.747 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD064040.D

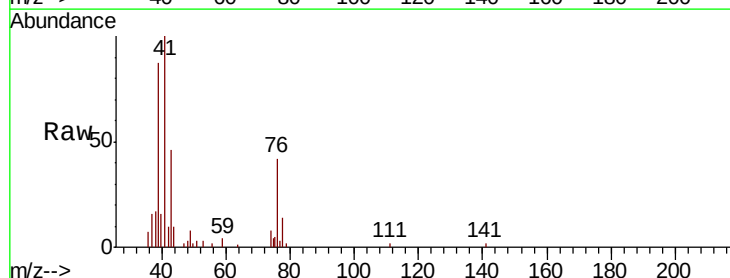
Acq: 24 Oct 2019 12:05

Tgt Ion: 43 Resp: 17565

Ion Ratio Lower Upper

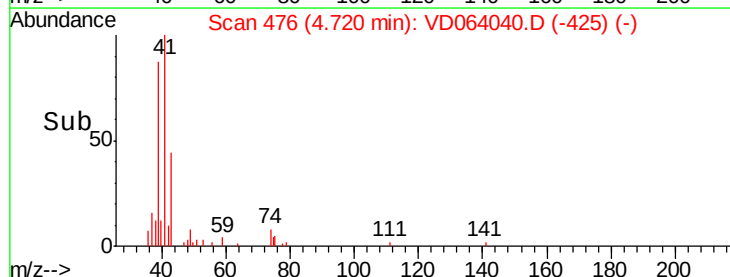
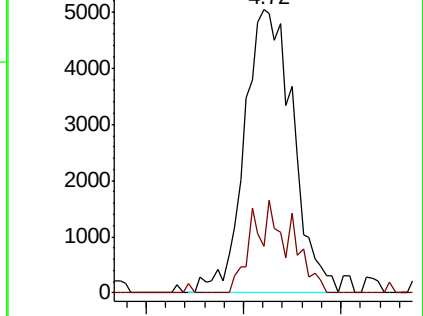
43 100

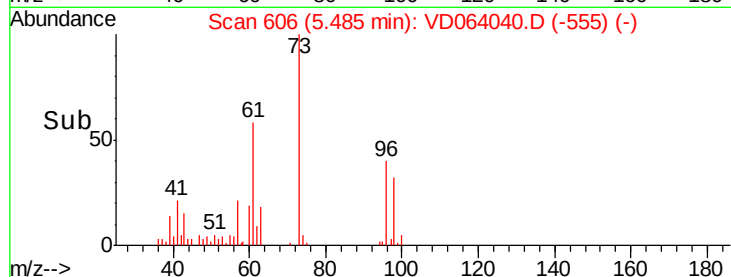
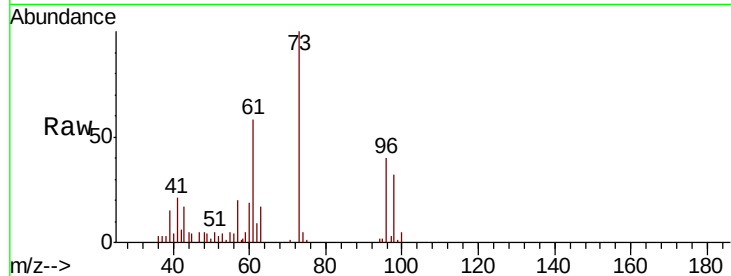
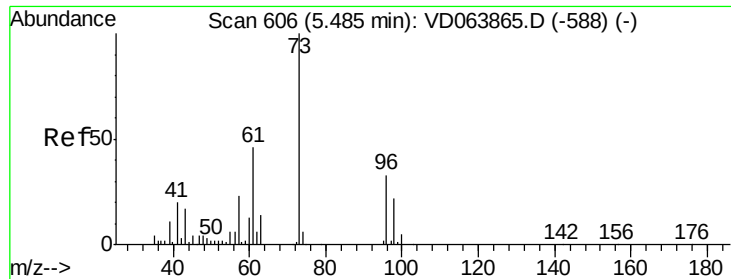
74 4.6 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

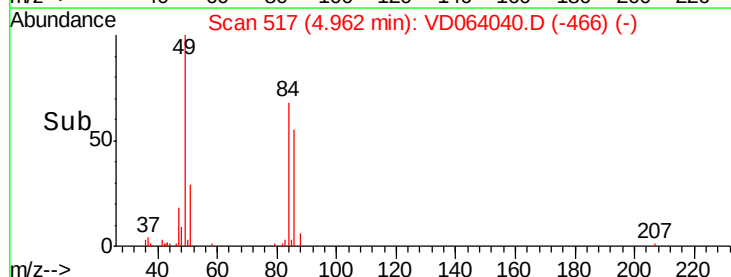
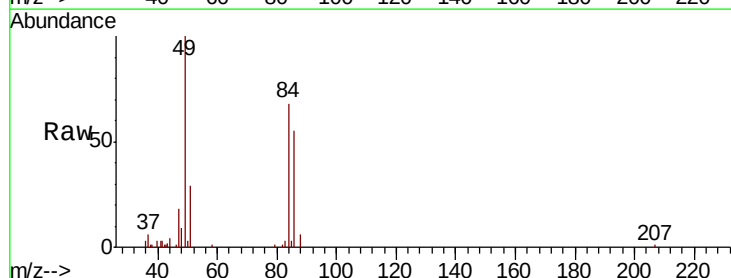
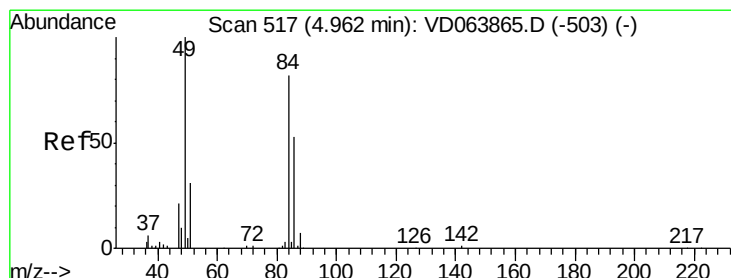
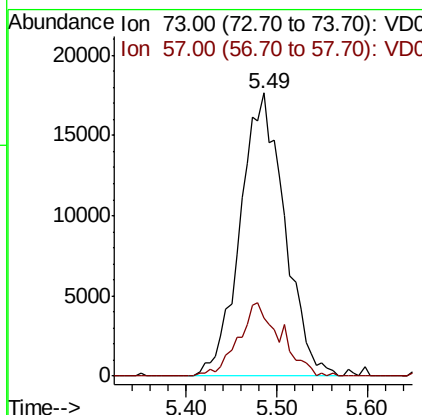




#19
Methyl tert-butyl Ether
Concen: 19.314 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

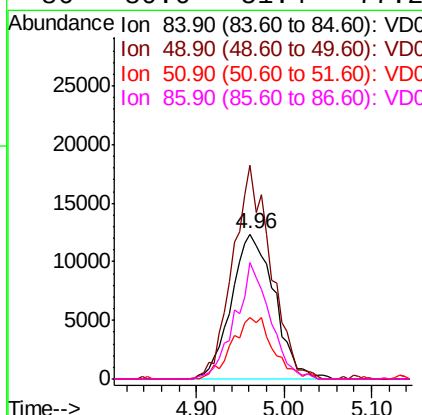
Tot Ion: 73 Resp: 60010
Ion Ratio Lower Upper
73 100
57 20.5 18.1 27.1

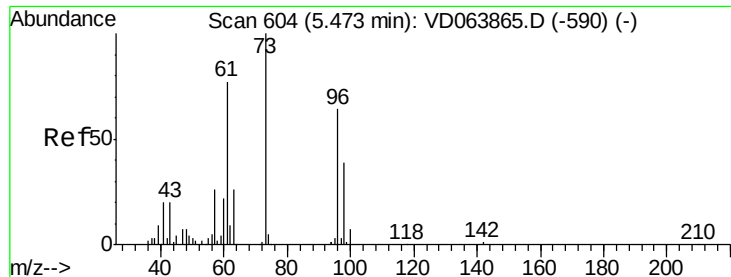
Instrument :
MSVOA_D
ClientSampleId :



#20
Methylene Chloride
Concen: 24.111 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Tgt Ion: 84 Resp: 41332
Ion Ratio Lower Upper
84 100
49 147.6 97.3 145.9#
51 42.8 30.1 45.1
86 80.6 51.4 77.2#





#21

trans-1,2-Dichloroethene

Concen: 21.511 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

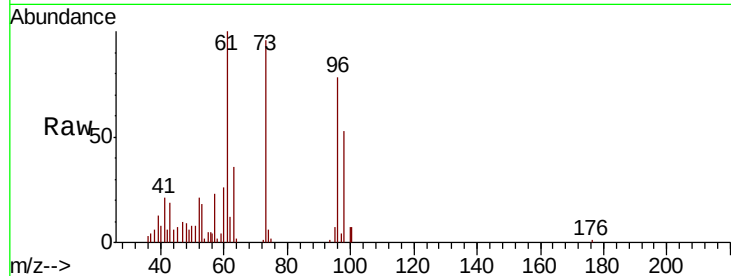
Tot Ion: 96 Resp: 32130

Ion Ratio Lower Upper

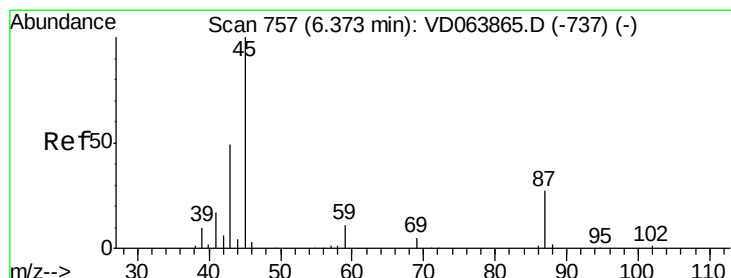
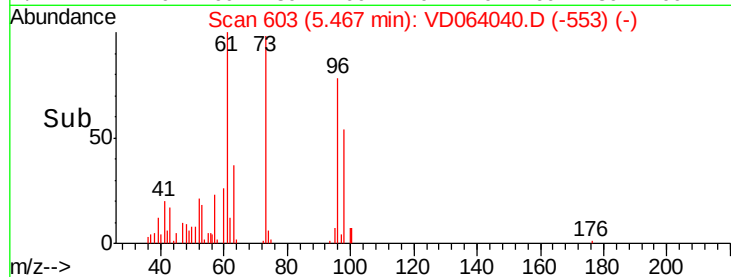
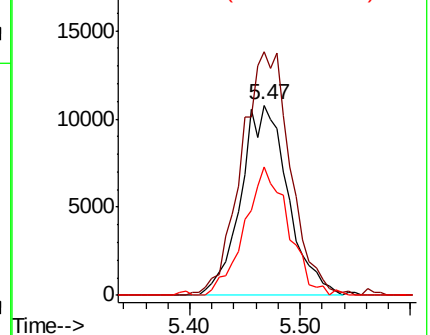
96 100

61 126.5 96.6 145.0

98 67.8 48.7 73.1



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



#22

Diisopropyl ether

Concen: 23.246 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

Tgt Ion: 45 Resp: 94705

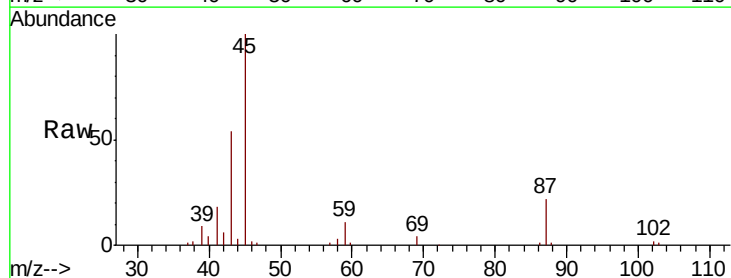
Ion Ratio Lower Upper

45 100

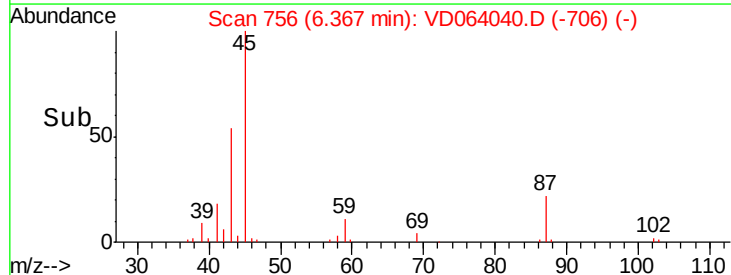
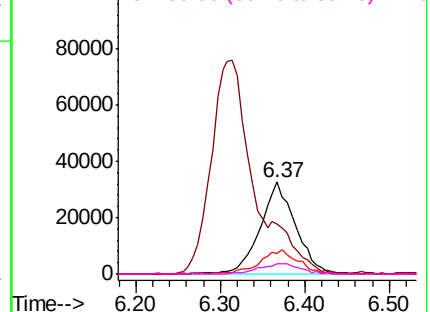
43 53.1 41.2 61.8

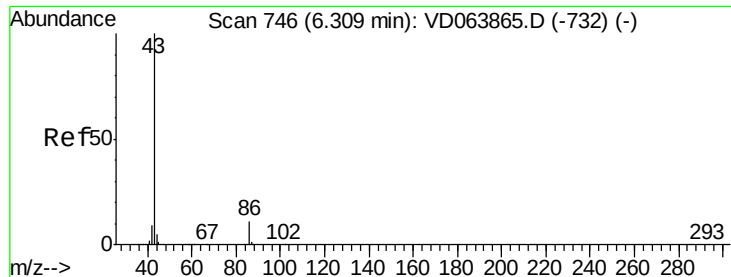
87 22.0 22.2 33.4#

59 11.2 9.2 13.8



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: 111.544 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

Instrument :

MSVOA_D

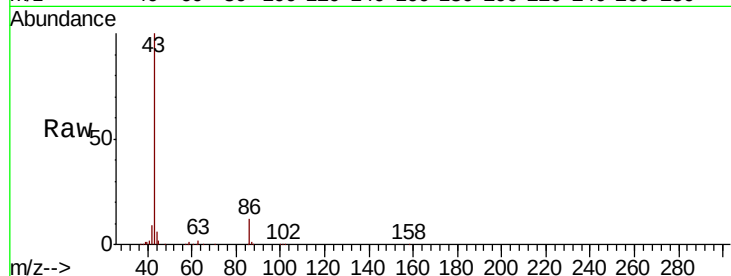
ClientSampleId :

Tot Ion: 43 Resp: 270339

Ion Ratio Lower Upper

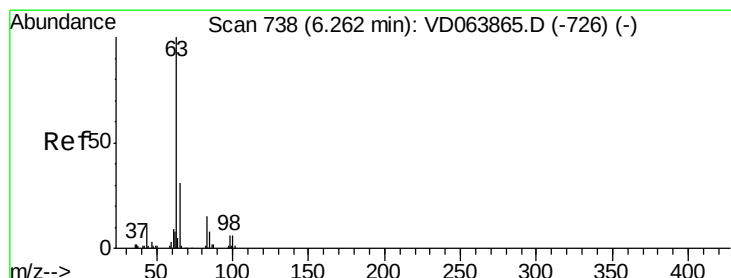
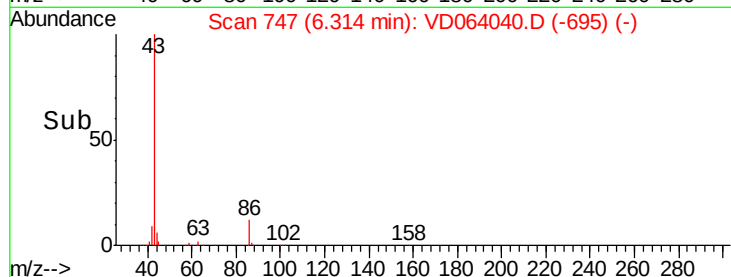
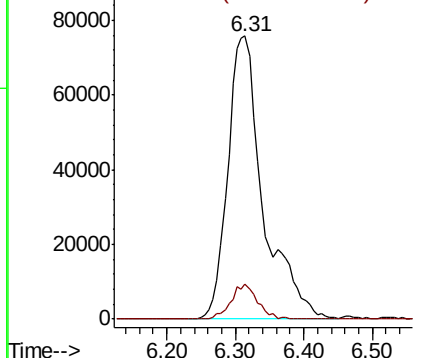
43 100

86 12.2 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 23.366 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

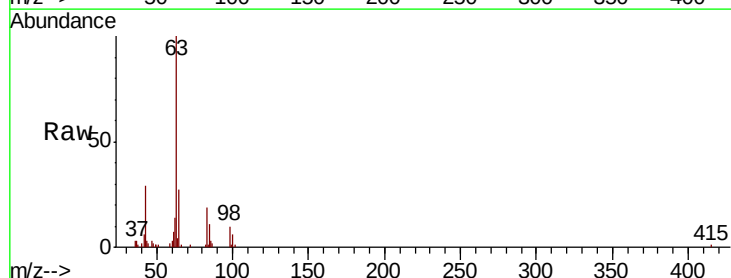
Tgt Ion: 63 Resp: 58635

Ion Ratio Lower Upper

63 100

98 9.7 3.1 9.4#

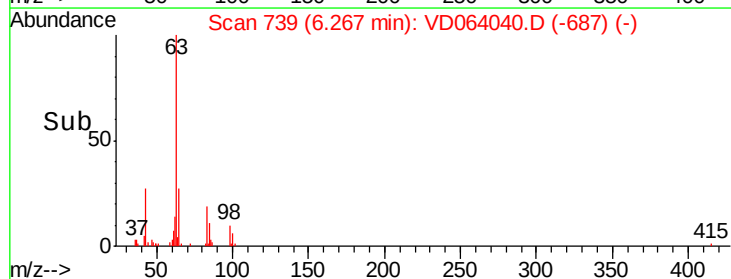
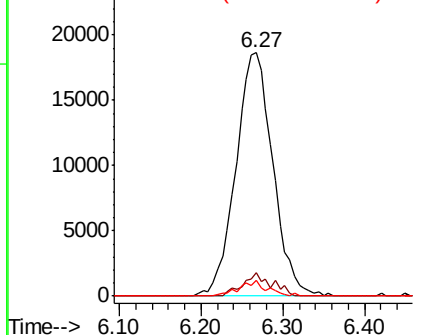
100 6.4 3.0 9.2

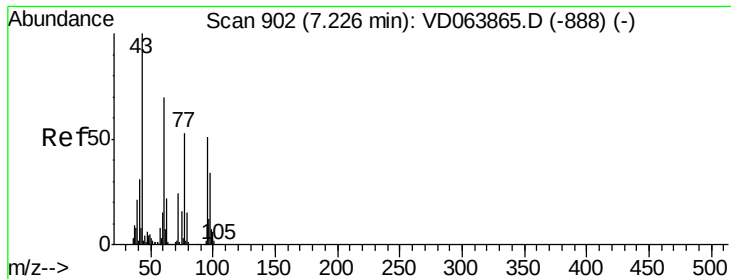


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 114.474 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

Instrument :

MSVOA_D

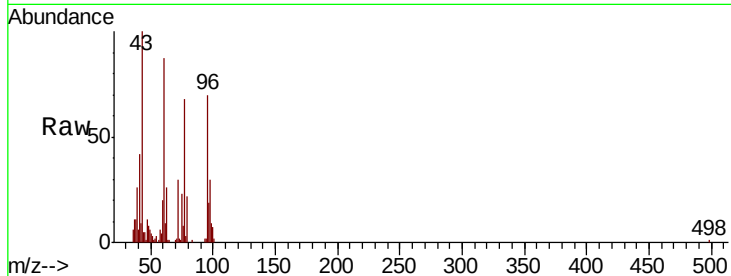
ClientSampleId :

Tot Ion: 43 Resp: 49231

Ion Ratio Lower Upper

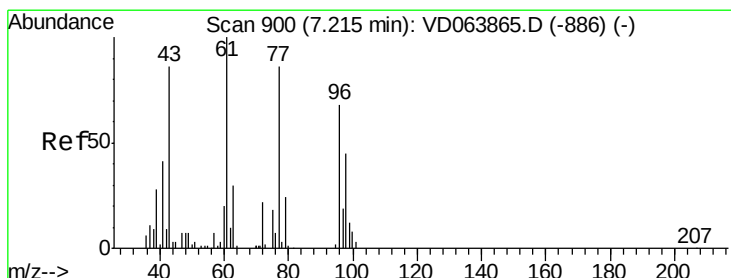
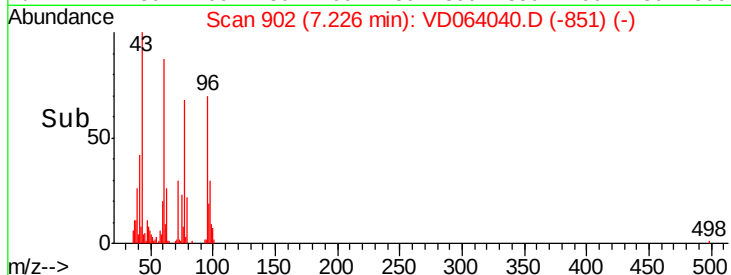
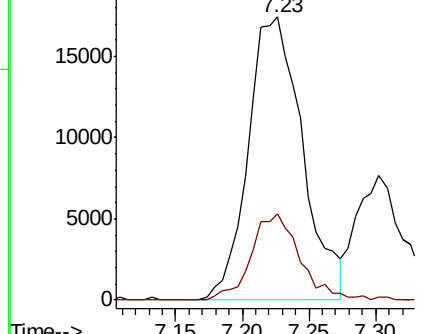
43 100

72 30.3 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.870 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064040.D

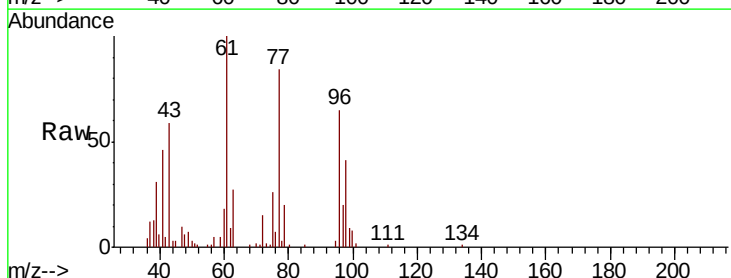
Acq: 24 Oct 2019 12:05

Tgt Ion: 77 Resp: 49645

Ion Ratio Lower Upper

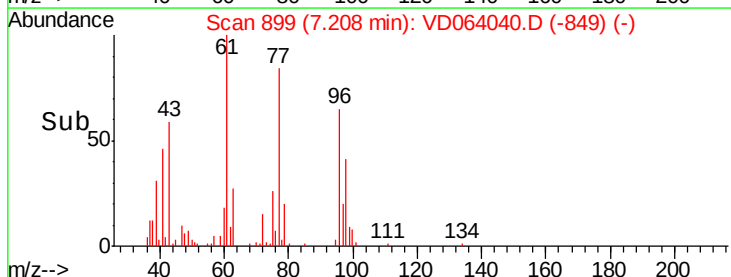
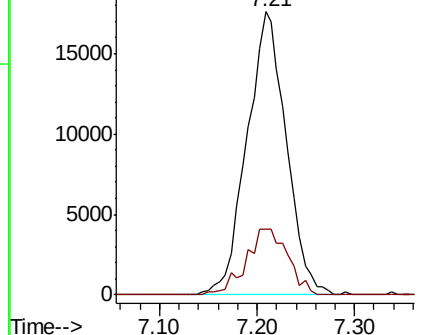
77 100

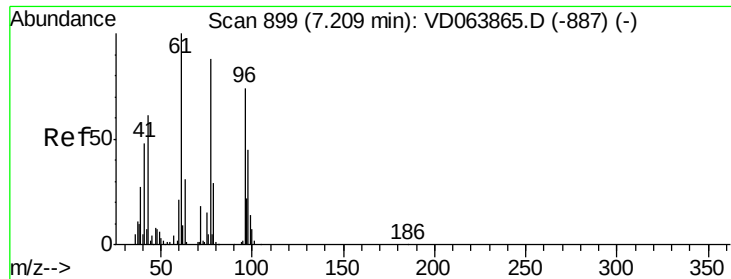
97 24.7 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

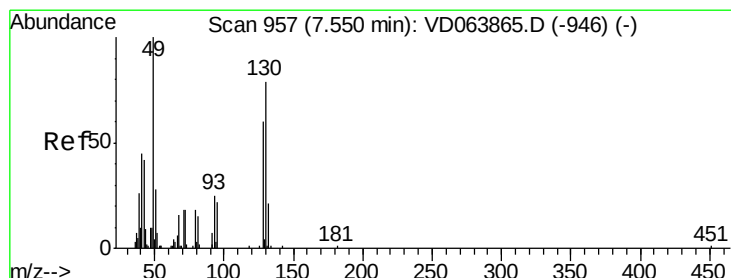
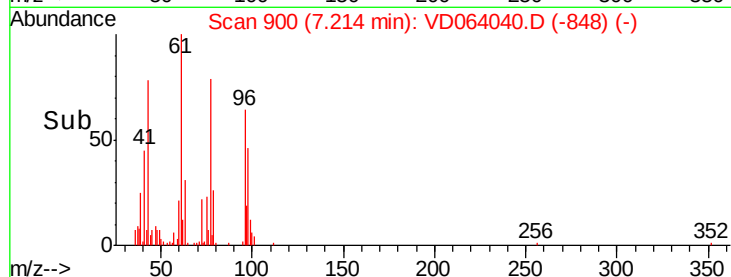
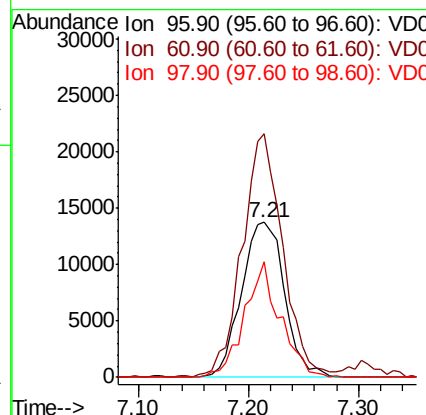
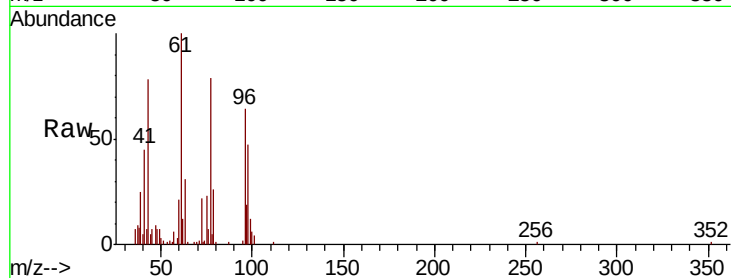




#27
 cis-1,2-Dichloroethene
 Concen: 22.329 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD064040.D
 Acq: 24 Oct 2019 12:05

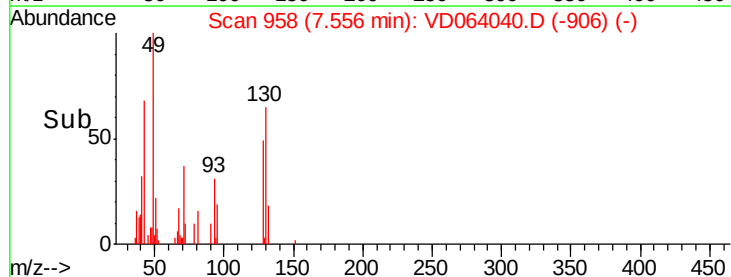
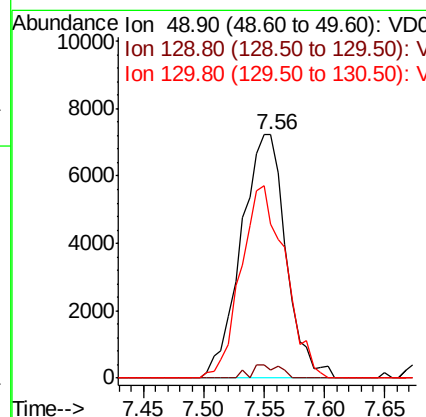
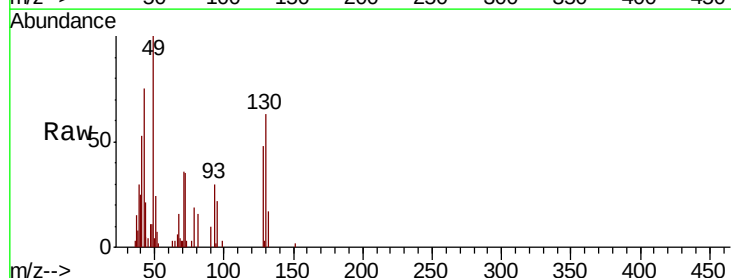
Instrument :
 MSVOA_D
 ClientSampled :

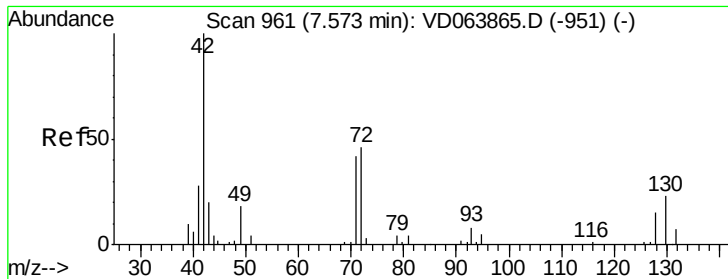
Tot Ion: 96 Resp: 37750
 Ion Ratio Lower Upper
 96 100
 61 146.7 0.0 280.0
 98 61.9 0.0 130.4



#28
 Bromochloromethane
 Concen: 20.707 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: VD064040.D
 Acq: 24 Oct 2019 12:05

Tgt Ion: 49 Resp: 18674
 Ion Ratio Lower Upper
 49 100
 129 3.5 0.0 5.6
 130 78.1 66.8 100.2

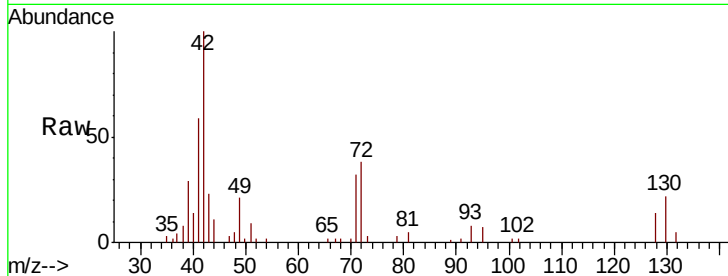




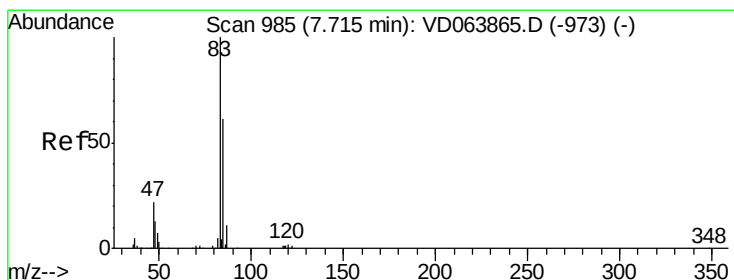
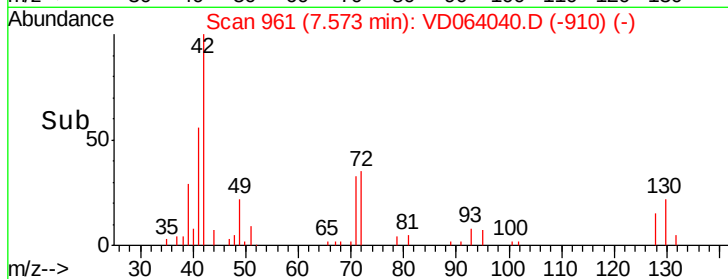
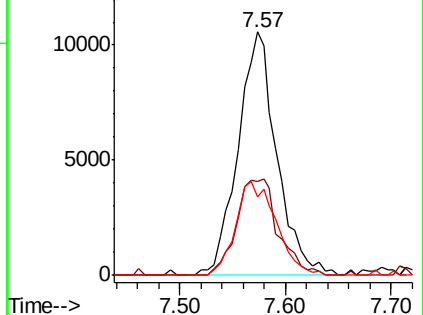
#29
Tetrahydrofuran
Concen: 107.414 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 42 Resp: 26963
Ion Ratio Lower Upper
42 100
72 42.4 37.6 56.4
71 40.4 35.0 52.6

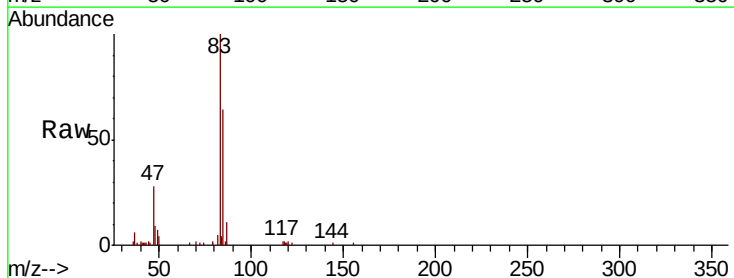


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

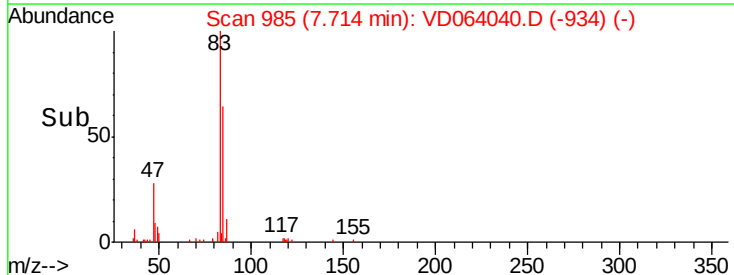
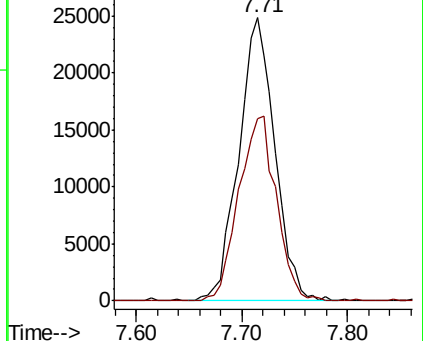


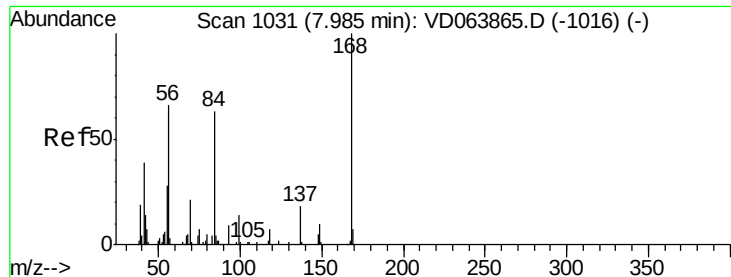
#30
Chloroform
Concen: 21.541 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Tgt Ion: 83 Resp: 58711
Ion Ratio Lower Upper
83 100
85 64.3 48.9 73.3



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

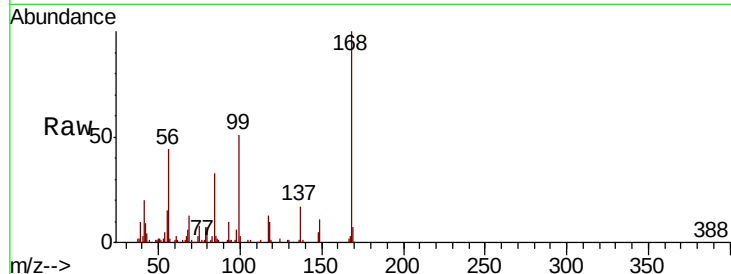




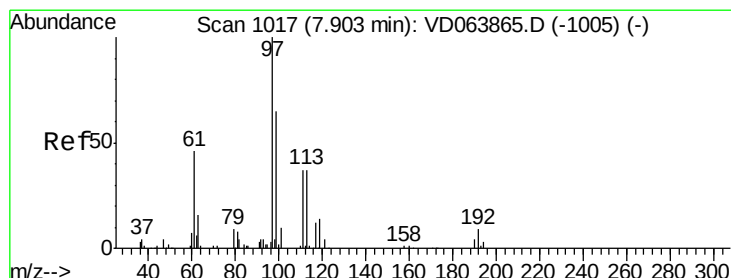
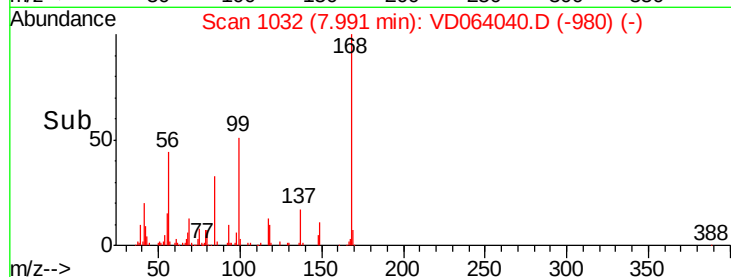
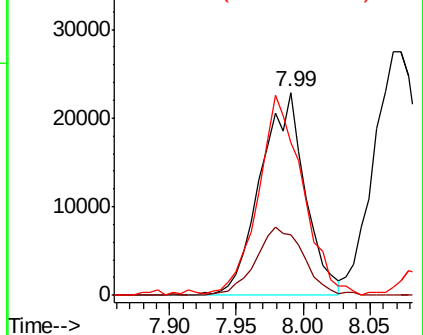
#31
Cyclohexane
Concen: 23.582 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 53302
Ion Ratio Lower Upper
56 100
69 30.1 25.0 37.4
84 72.7 76.3 114.5#

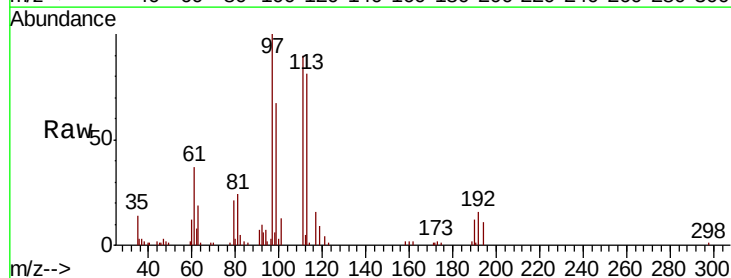


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

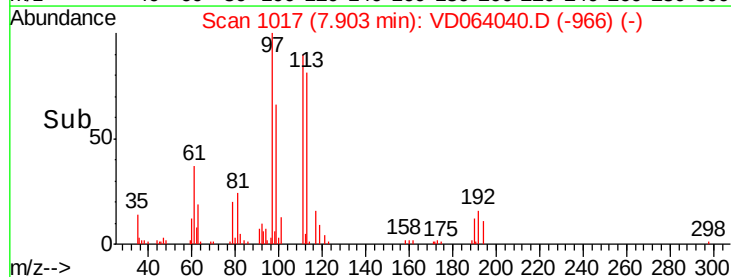
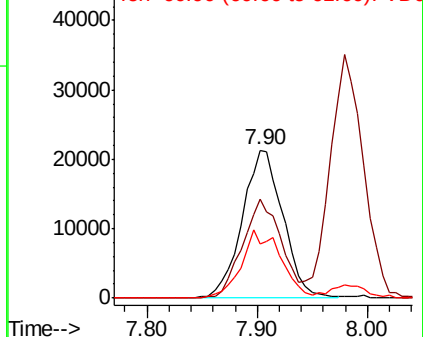


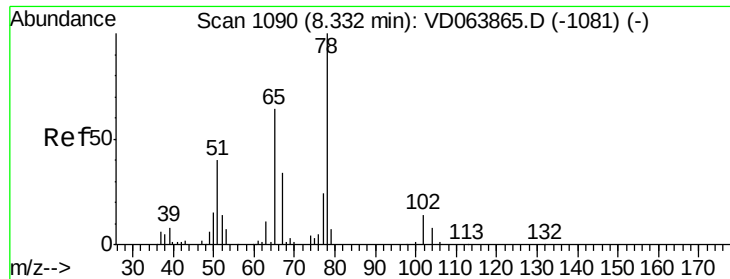
#32
1,1,1-Trichloroethane
Concen: 23.577 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Tgt Ion: 97 Resp: 55124
Ion Ratio Lower Upper
97 100
99 62.8 52.4 78.6
61 44.3 33.8 50.8



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

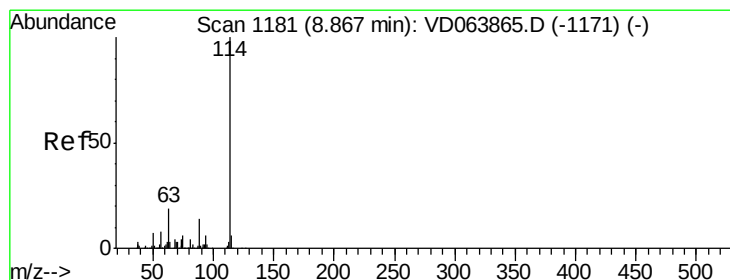
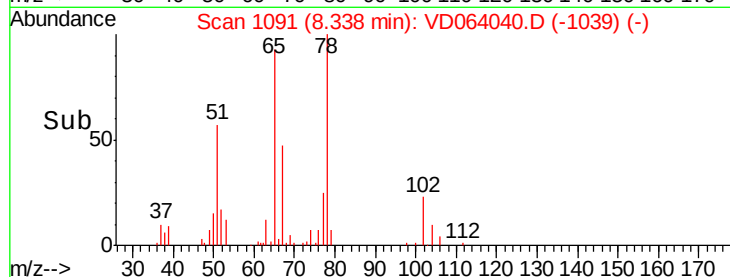
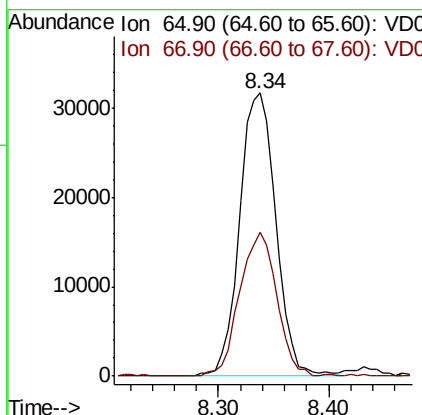
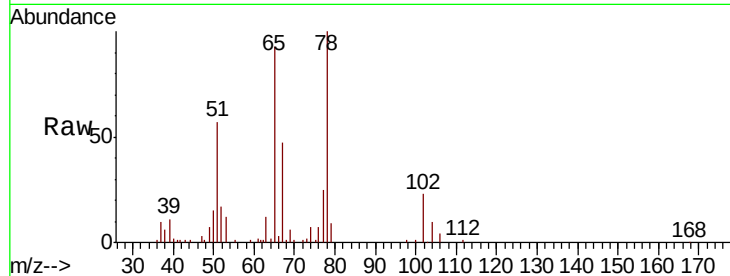




#33
 1,2-Dichloroethane-d4
 Concen: 52.489 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064040.D
 Acq: 24 Oct 2019 12:05

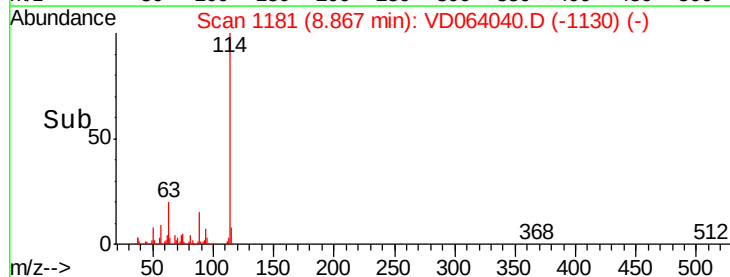
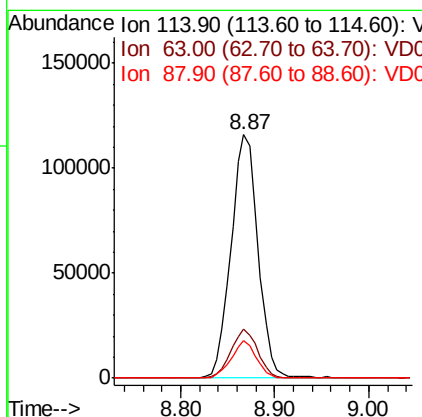
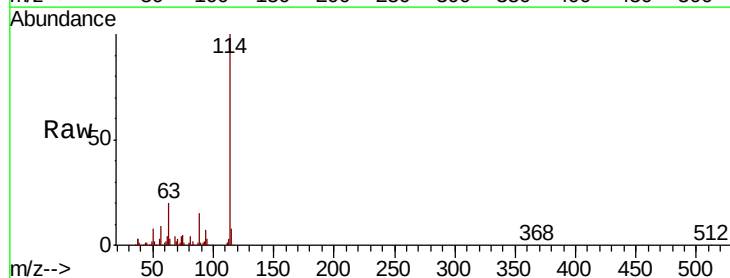
Instrument :
 MSVOA_D
 ClientSampleId :

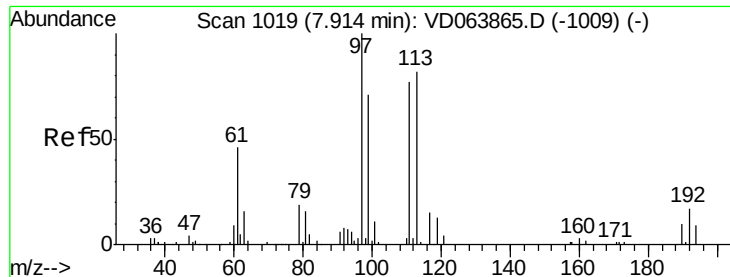
Tot Ion: 65 Resp: 73161
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064040.D
 Acq: 24 Oct 2019 12:05

Tgt Ion: 114 Resp: 231312
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 38.4
 88 15.2 0.0 27.4

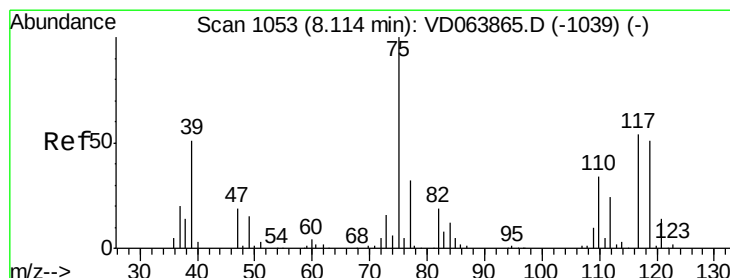
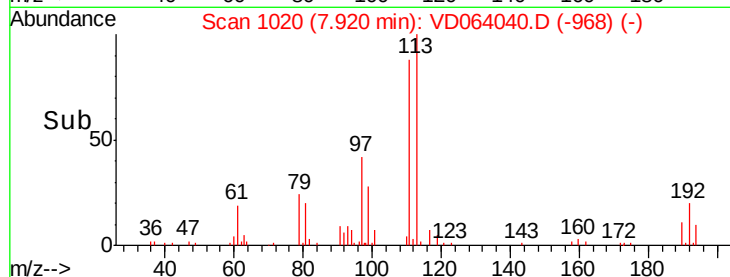
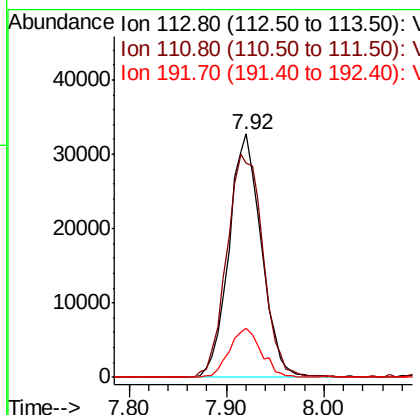
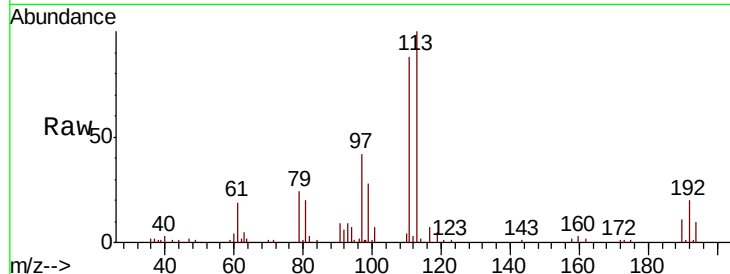




#35
 Dibromofluoromethane
 Concen: 53.362 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD064040.D
 Acq: 24 Oct 2019 12:05

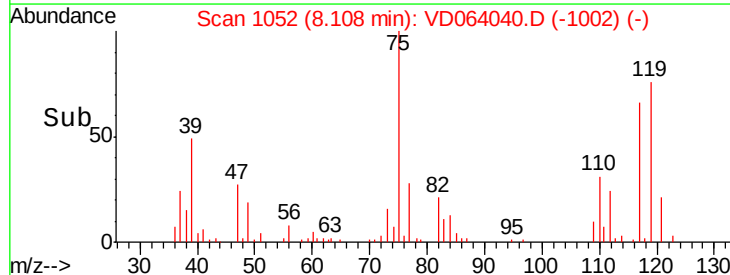
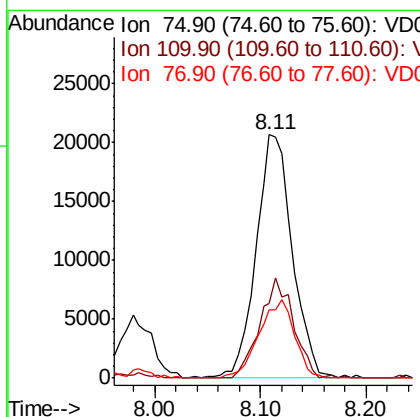
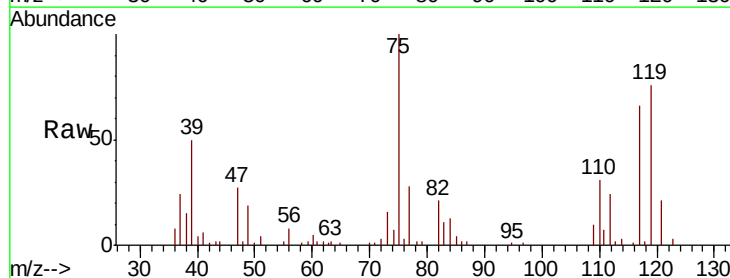
Instrument :
 MSVOA_D
 ClientSampleId :

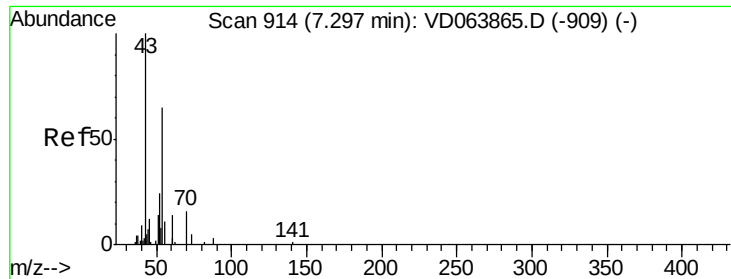
Tot Ion:113 Resp: 75433
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.6 123.8
 192 19.8 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 23.298 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064040.D
 Acq: 24 Oct 2019 12:05

Tgt Ion: 75 Resp: 49273
 Ion Ratio Lower Upper
 75 100
 110 37.9 17.4 52.3
 77 31.3 25.4 38.0

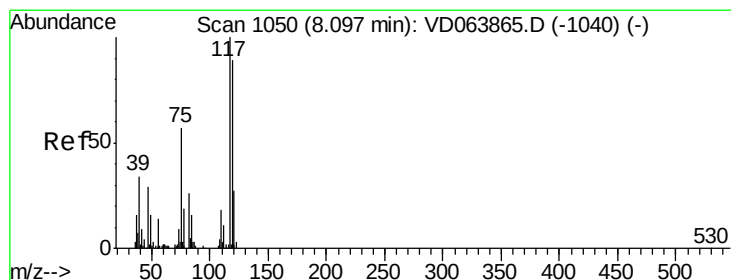
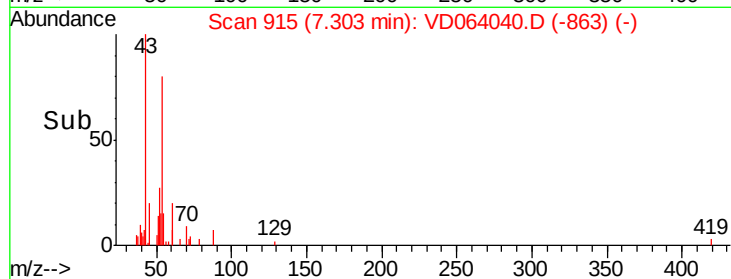
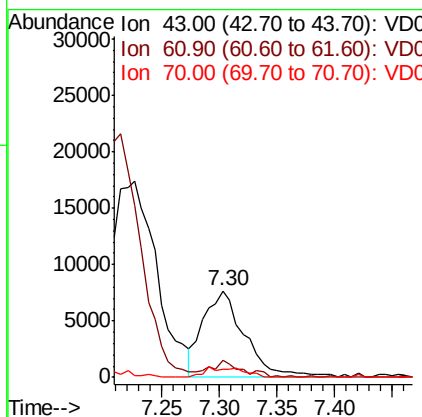
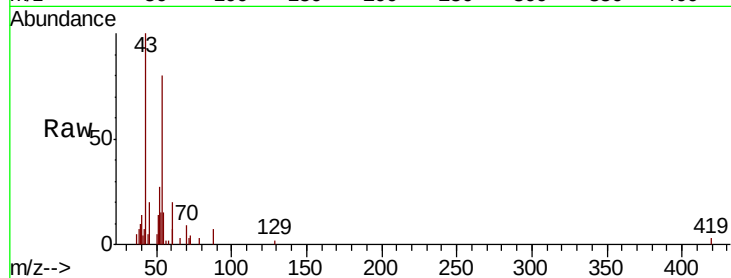




#37
Ethyl Acetate
Concen: 20.446 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

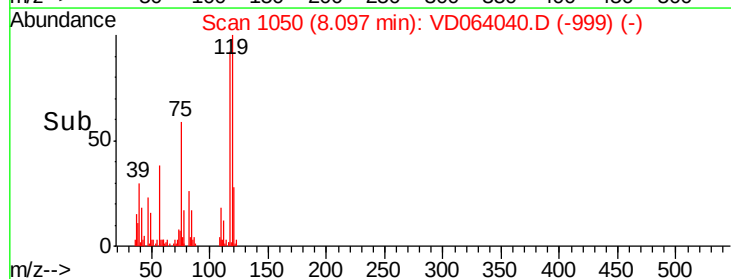
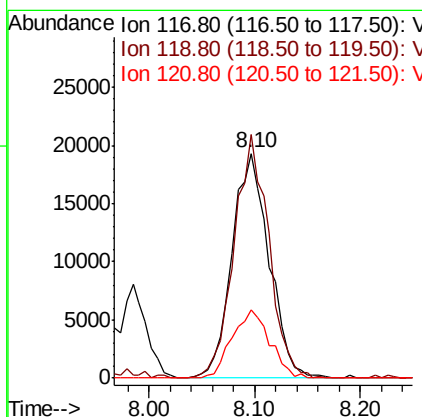
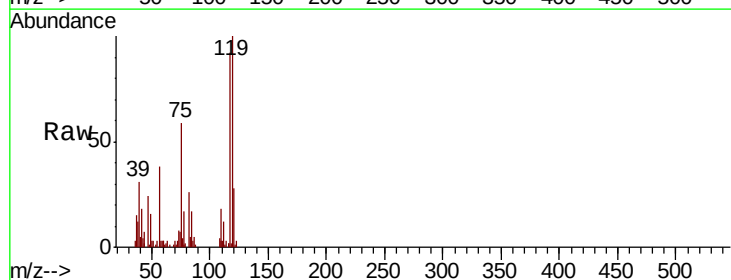
Instrument :
MSVOA_D
ClientSampleID :

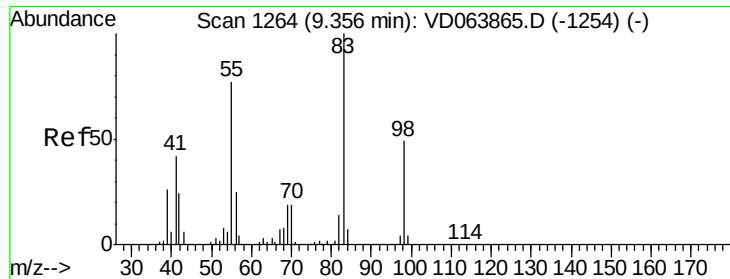
Tot Ion: 43 Resp: 19339
Ion Ratio Lower Upper
43 100
61 14.5 11.5 17.3
70 6.5 8.2 12.4#



#38
Carbon Tetrachloride
Concen: 21.961 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Tgt Ion: 117 Resp: 46935
Ion Ratio Lower Upper
117 100
119 108.4 70.8 106.2#
121 30.4 21.4 32.0

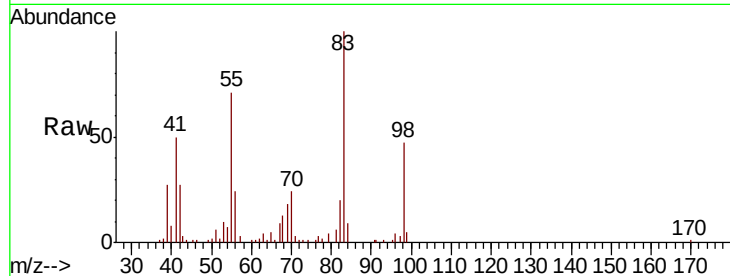




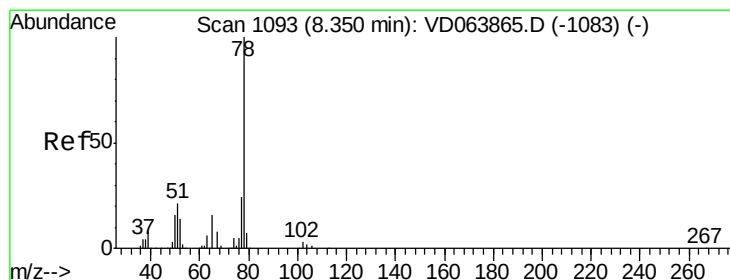
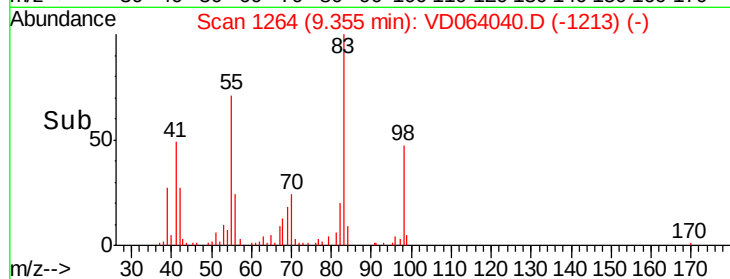
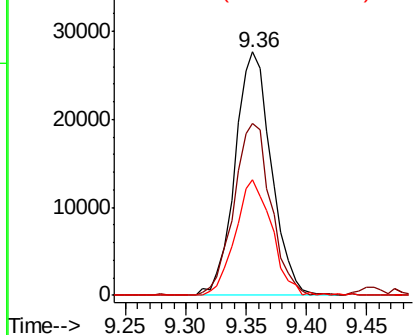
#39
Methylvlcyclohexane
Concen: 22.249 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	83	Resp	57857
Ion	Ratio	Lower	Upper
83	100		
55	70.7	61.3	91.9
98	47.4	39.3	58.9

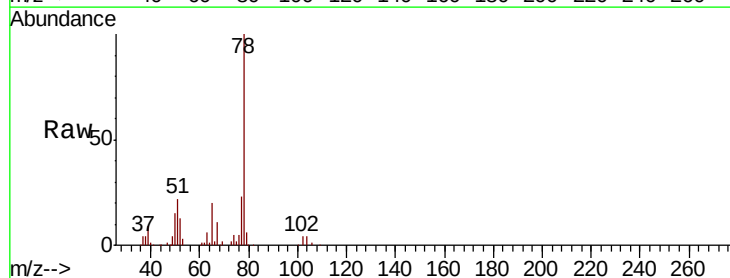


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

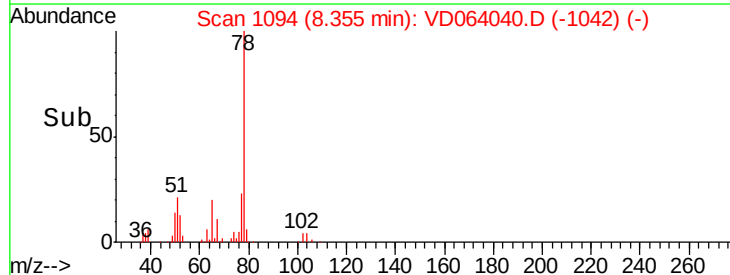
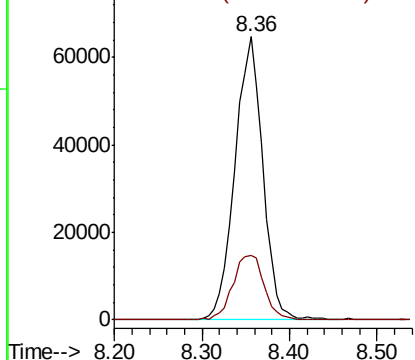


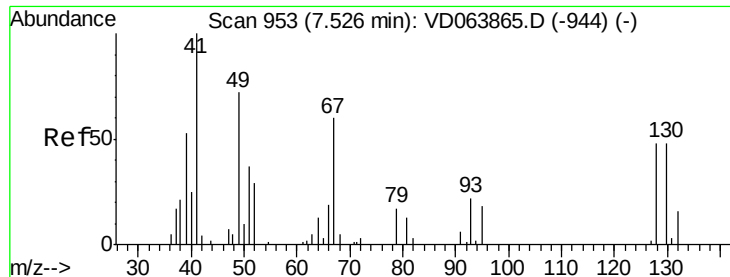
#40
Benzene
Concen: 22.855 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Tgt Ion	78	Resp	138521
Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.0	28.6



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

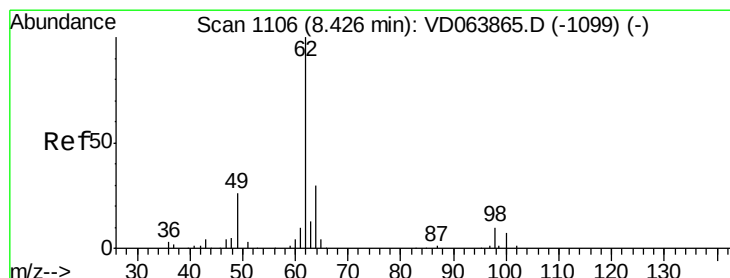
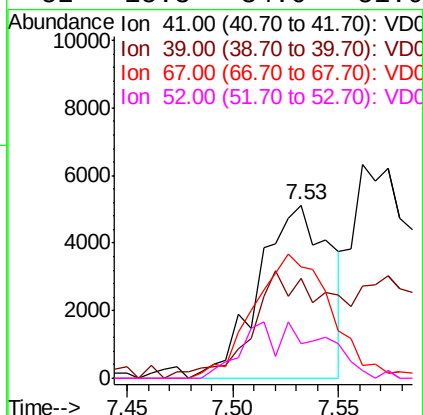
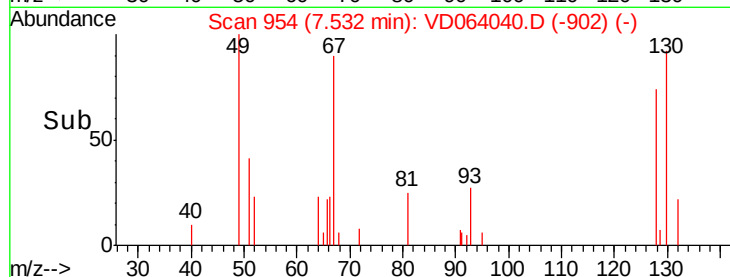
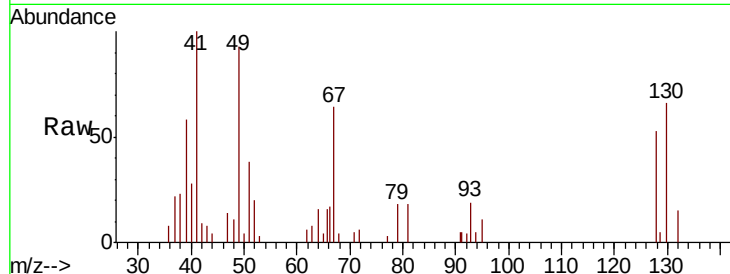




#41
Methacrylonitrile
Concen: 24.436 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

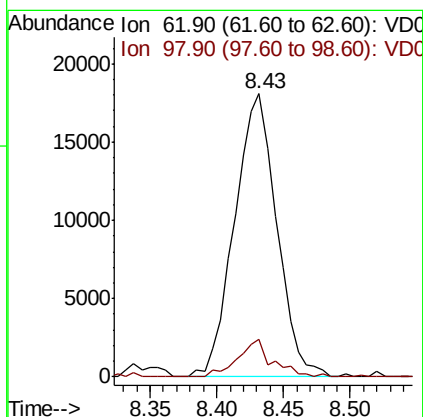
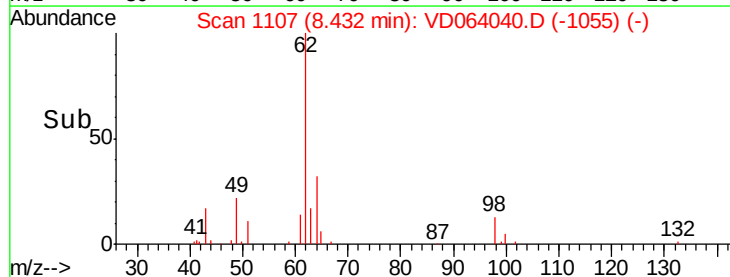
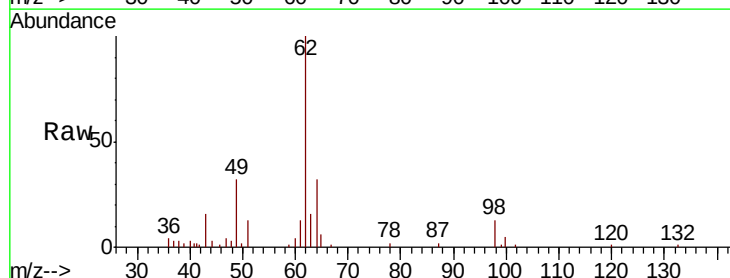
Instrument :
MSVOA_D
ClientSampled :

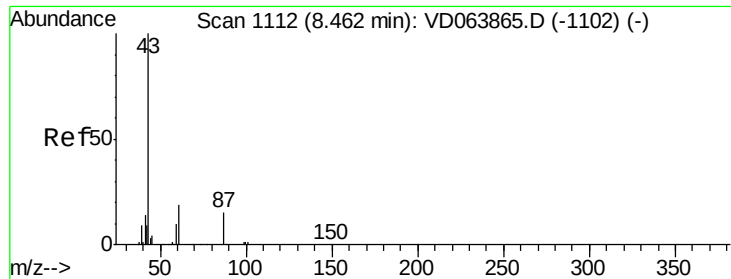
Tot Ion: 41 Resp: 11982
Ion Ratio Lower Upper
41 100
39 70.1 52.6 78.8
67 78.6 74.2 111.2
52 15.3 34.0 51.0#



#42
1,2-Dichloroethane
Concen: 22.600 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Tgt Ion: 62 Resp: 39622
Ion Ratio Lower Upper
62 100
98 10.8 0.0 20.0





#43

Isopropyl Acetate

Concen: 21.434 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

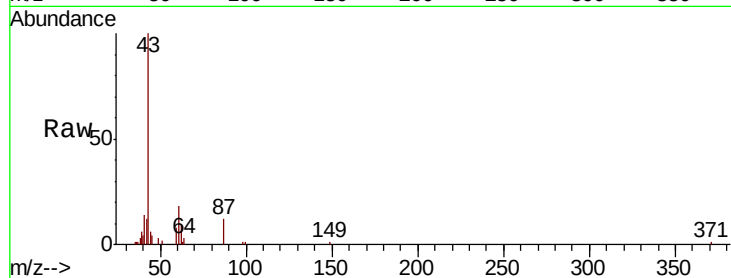
Tot Ion: 43 Resp: 38016

Ion Ratio Lower Upper

43 100

61 19.2 25.7 38.5#

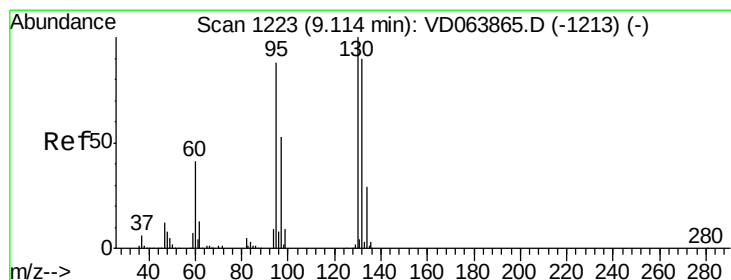
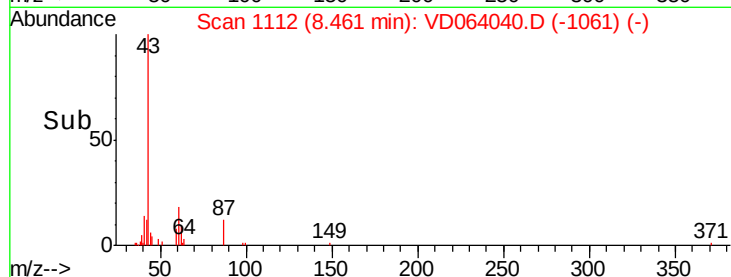
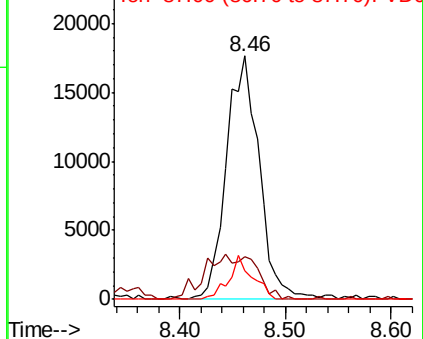
87 13.1 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.597 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064040.D

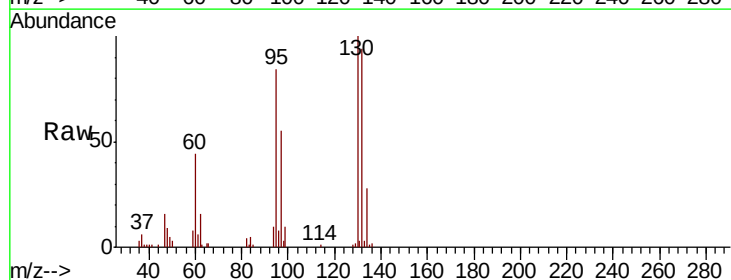
Acq: 24 Oct 2019 12:05

Tgt Ion: 130 Resp: 37745

Ion Ratio Lower Upper

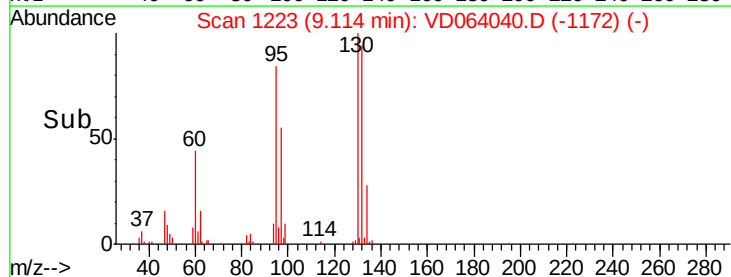
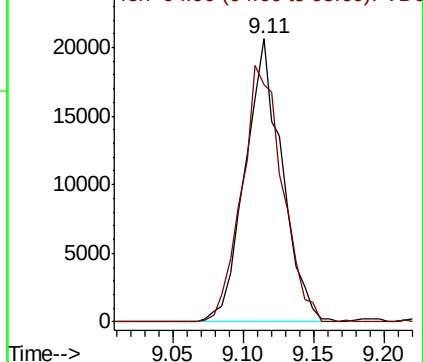
130 100

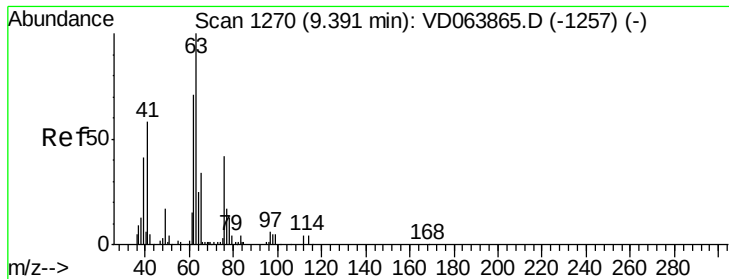
95 84.0 0.0 175.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 22.045 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

Instrument :

MSVOA_D

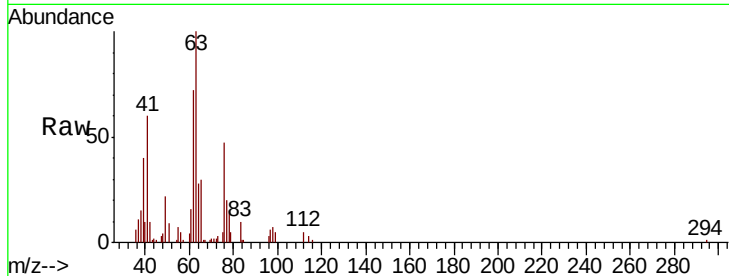
ClientSampleId :

Tot Ion: 63 Resp: 32703

Ion Ratio Lower Upper

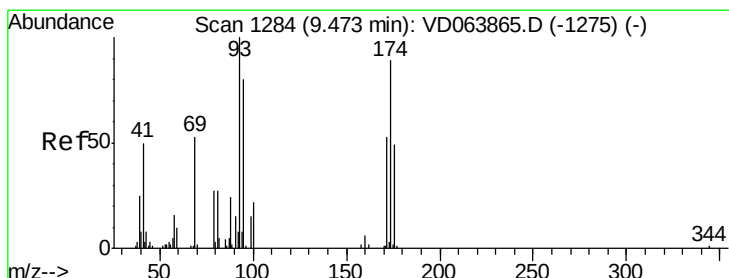
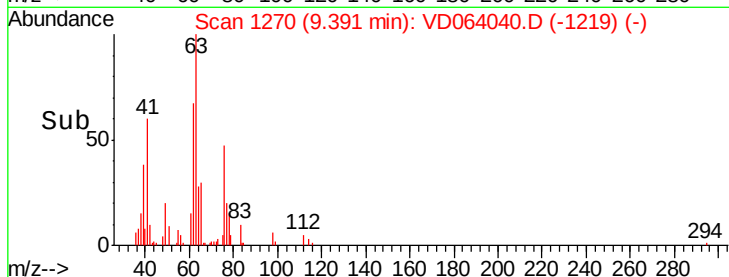
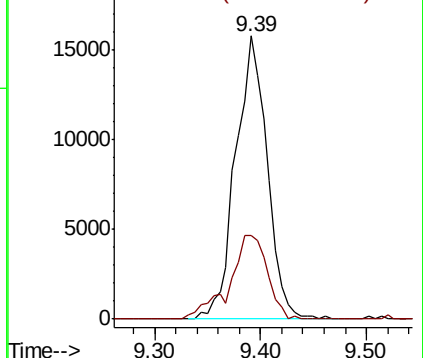
63 100

65 29.6 27.3 40.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 21.298 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

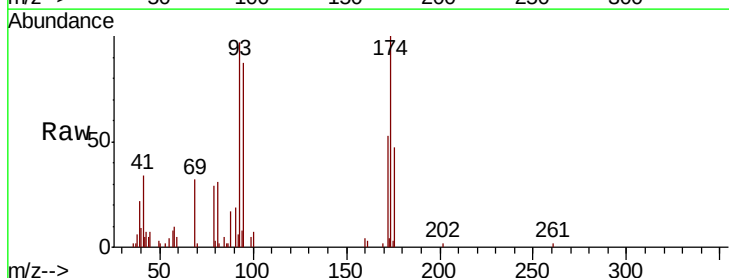
Tgt Ion: 93 Resp: 17994

Ion Ratio Lower Upper

93 100

95 87.6 66.0 99.0

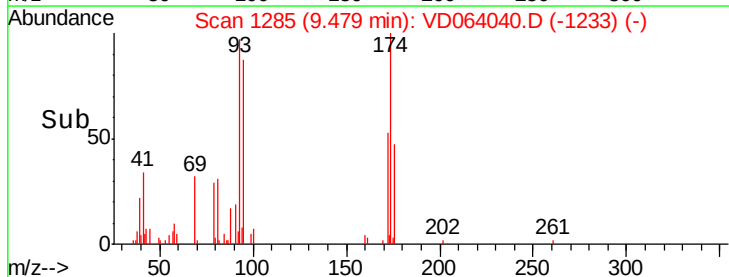
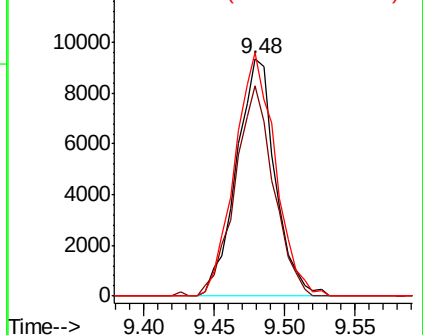
174 107.1 83.4 125.0

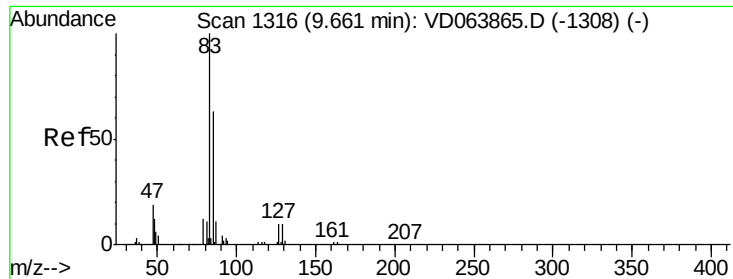


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

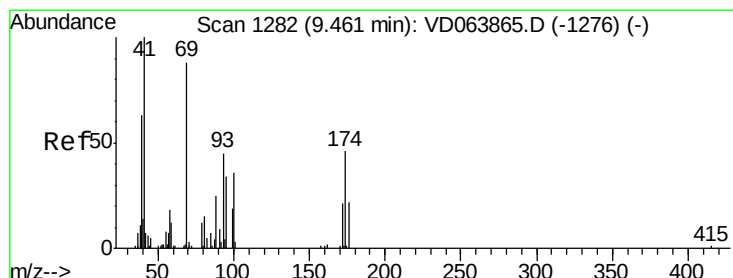
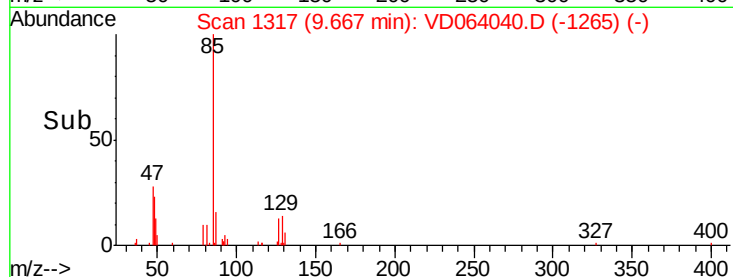
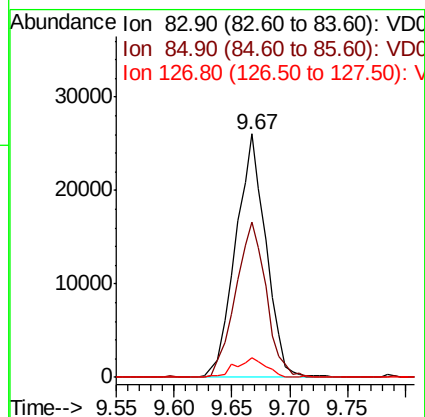
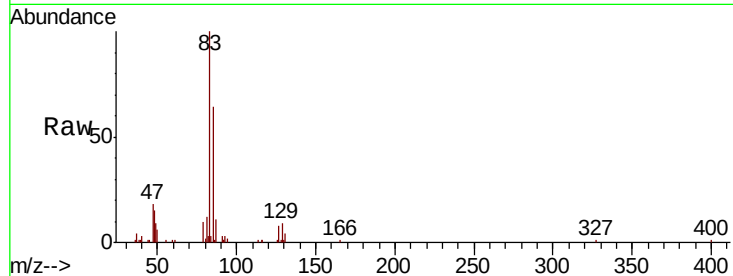




#47
Bromodichloromethane
Concen: 21.817 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.01 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

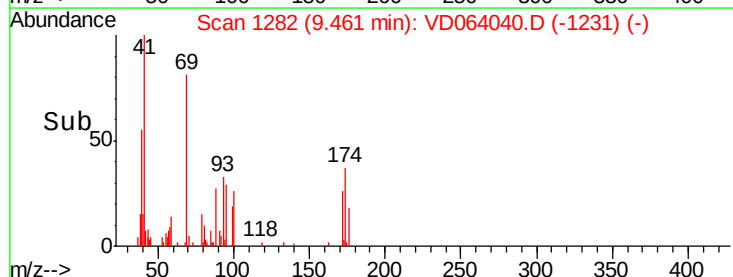
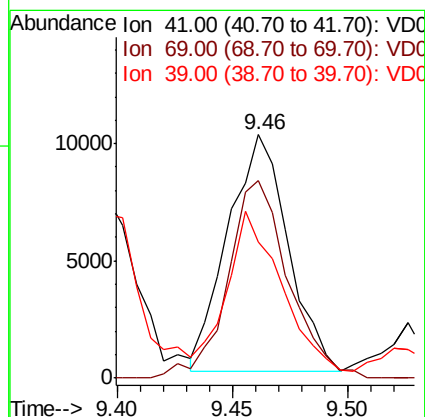
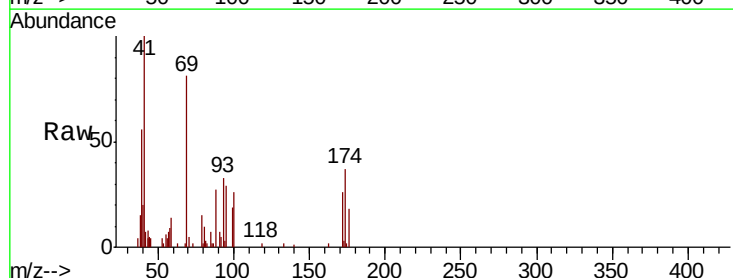
Instrument :
MSVOA_D
ClientSampleId :

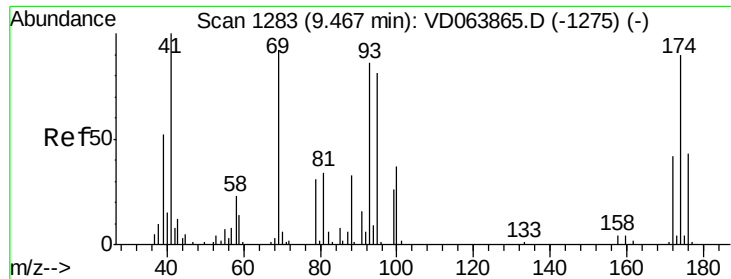
Tot Ion	83	Resp	47456
Ion Ratio	100		
85	63.8	50.2	75.2
127	8.0	7.6	11.4



#48
Methyl methacrylate
Concen: 21.474 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Tgt Ion	41	Resp	18249
Ion Ratio	100		
69	84.6	75.1	112.7
39	60.4	50.2	75.2

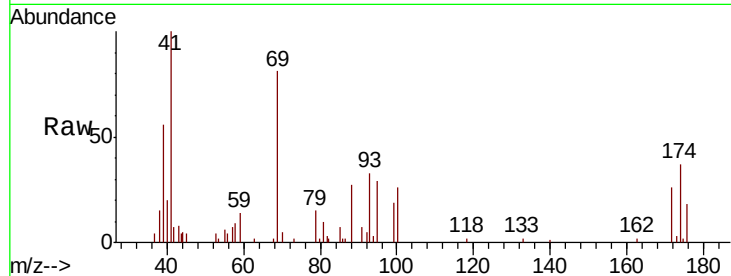




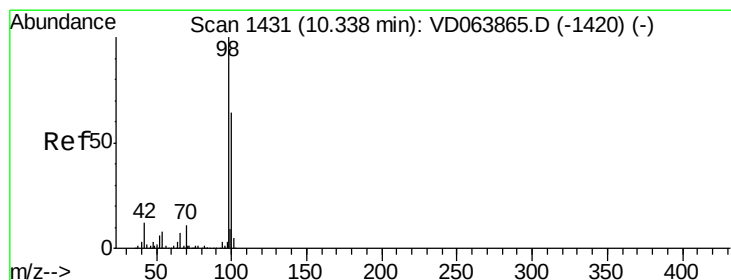
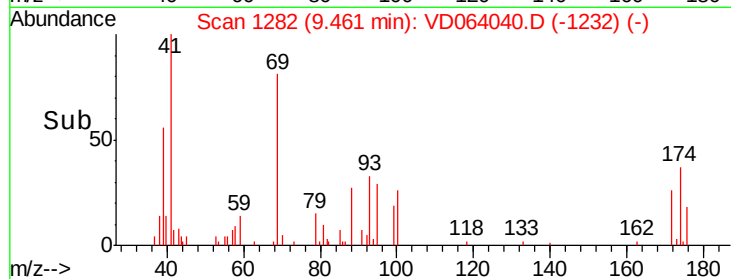
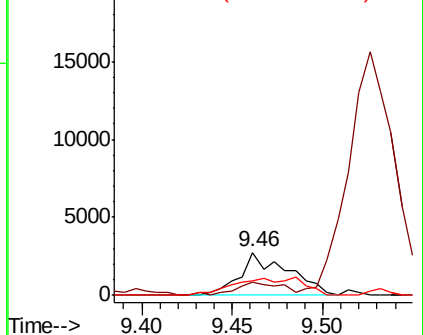
#49
1,4-Dioxane
Concen: 439.984 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 5074
Ion Ratio Lower Upper
88 100
43 29.8 27.6 41.4
58 36.1 54.1 81.1#

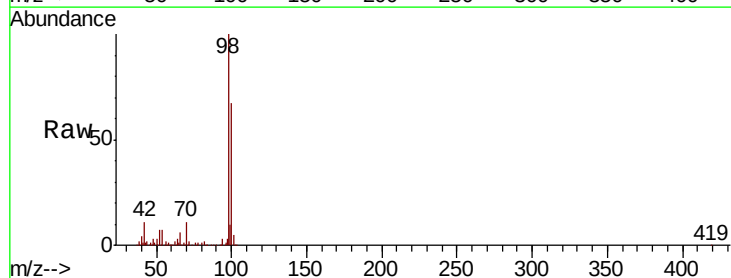


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

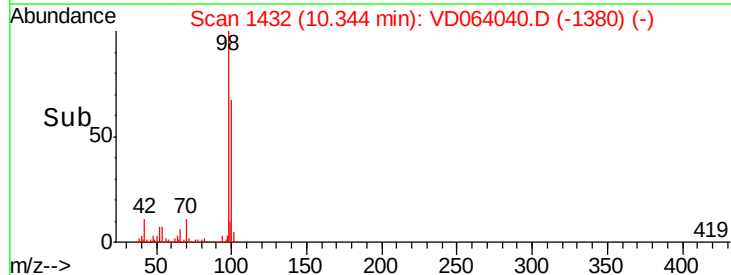
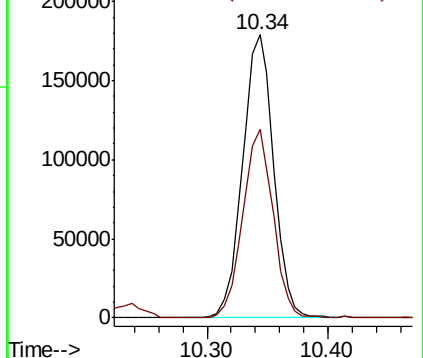


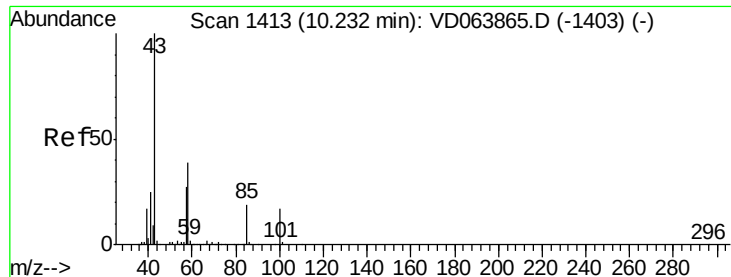
#50
Toluene-d8
Concen: 56.040 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Tgt Ion: 98 Resp: 321541
Ion Ratio Lower Upper
98 100
100 65.3 52.1 78.1



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





#51

4-Methyl-2-Pentanone

Concen: 106.211 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

Instrument :

MSVOA_D

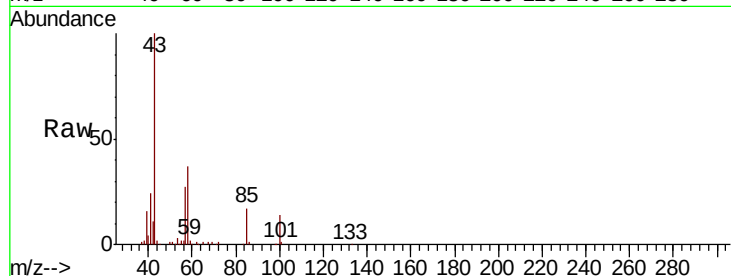
ClientSampleId :

Tot Ion: 43 Resp: 97700

Ion Ratio Lower Upper

43 100

58 39.9 33.0 49.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

60000

50000

40000

30000

20000

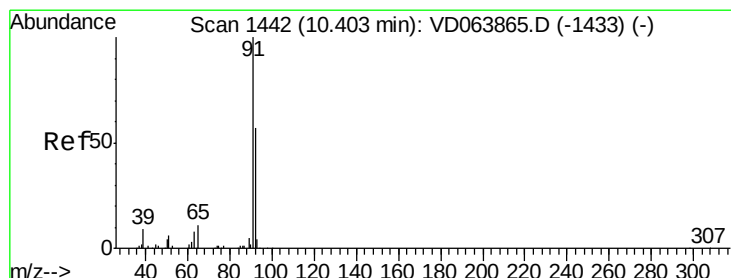
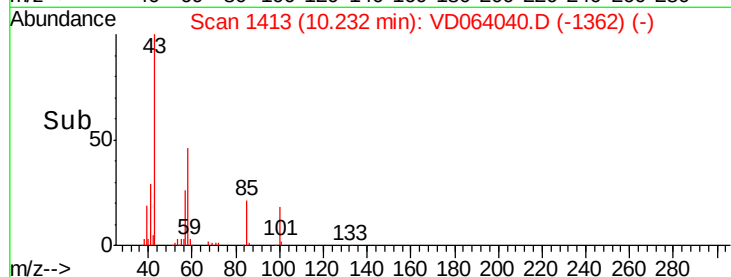
10000

0

10.20

10.30

Time-->



#52

Toluene

Concen: 23.505 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD064040.D

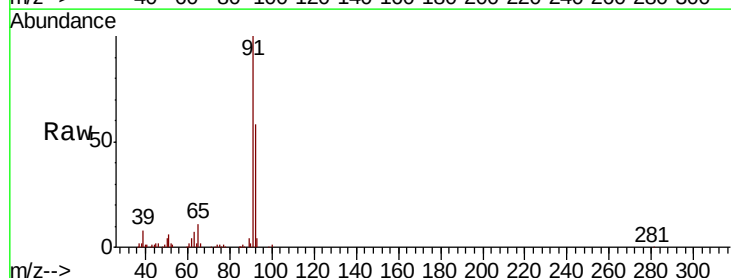
Acq: 24 Oct 2019 12:05

Tgt Ion: 92 Resp: 97794

Ion Ratio Lower Upper

92 100

91 172.5 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

100000

80000

60000

40000

20000

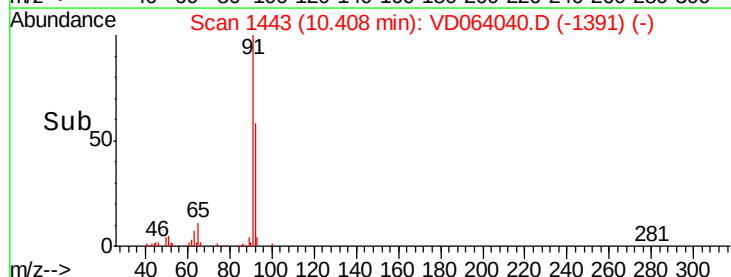
0

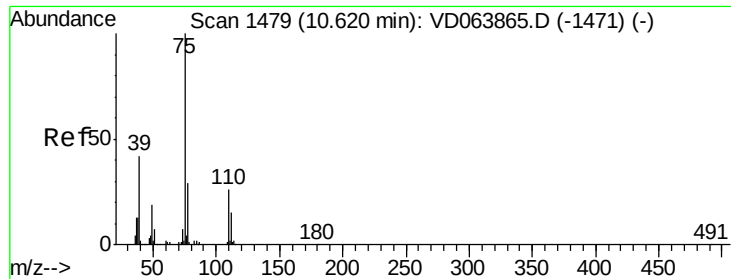
10.35

10.40

10.45

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.488 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.00 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

Instrument :

MSVOA_D

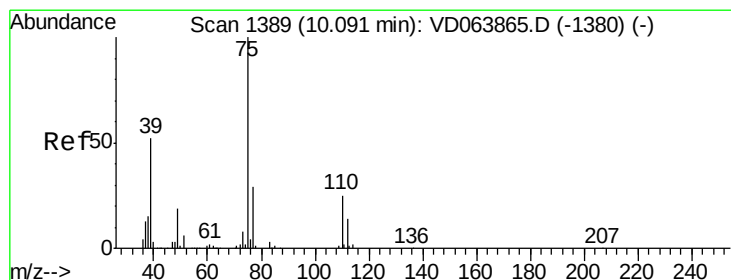
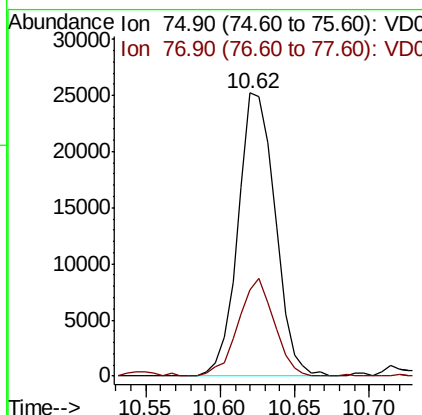
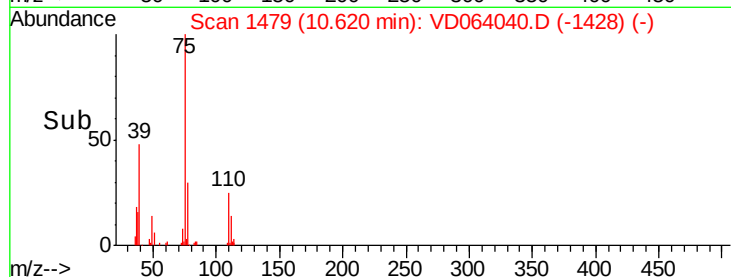
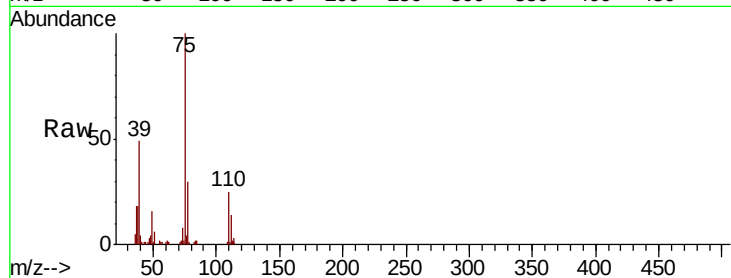
ClientSampleId :

Tot Ion: 75 Resp: 43488

Ion Ratio Lower Upper

75 100

77 30.4 22.8 34.2



#54

cis-1,3-Dichloropropene

Concen: 21.731 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

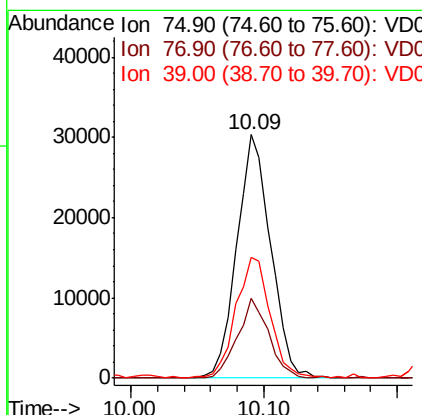
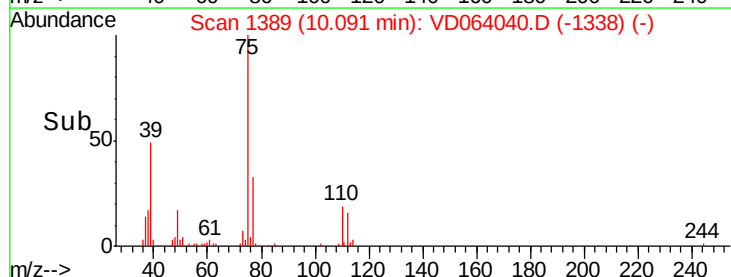
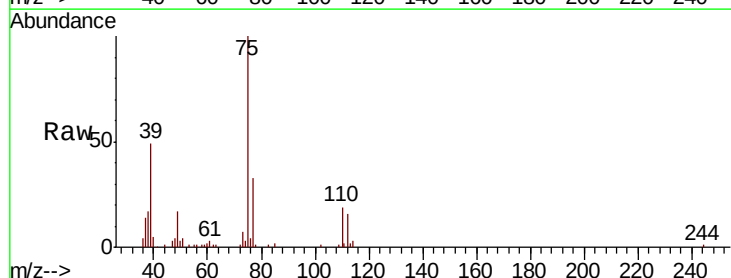
Tgt Ion: 75 Resp: 53096

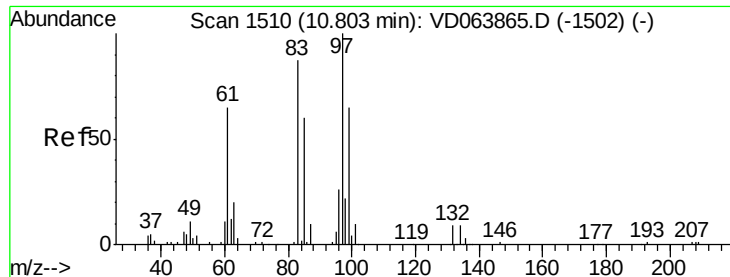
Ion Ratio Lower Upper

75 100

77 32.5 23.2 34.8

39 49.4 41.5 62.3

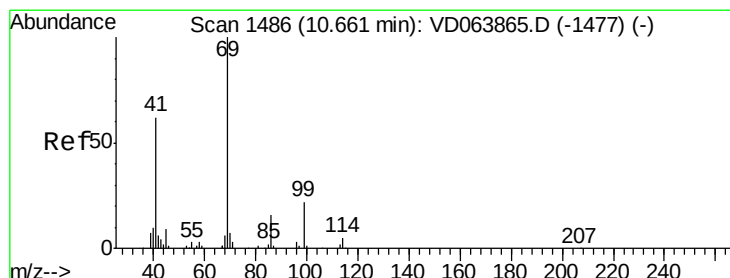
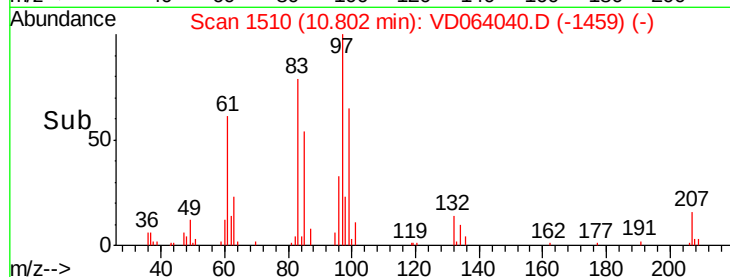
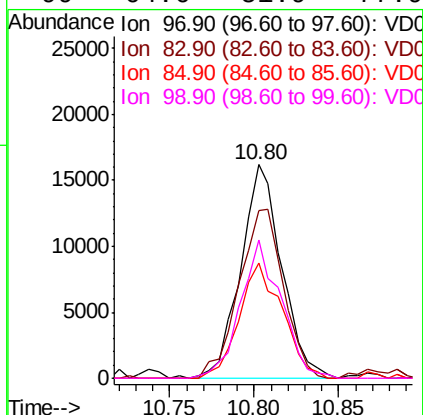
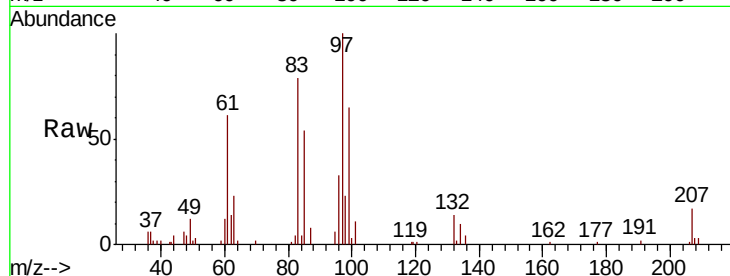




#55
1,1,2-Trichloroethane
Concen: 23.018 ug/l
RT: 10.80 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

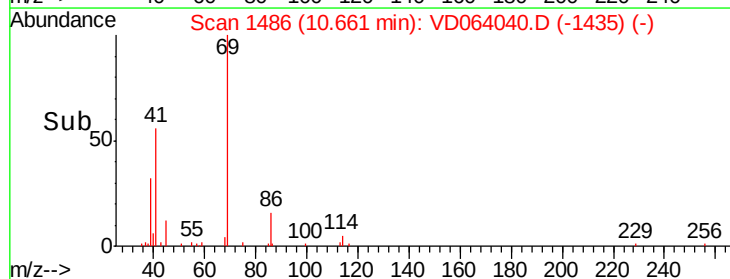
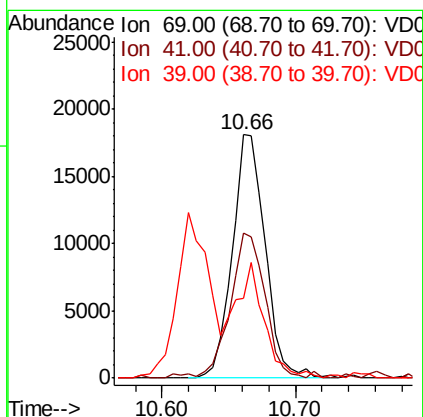
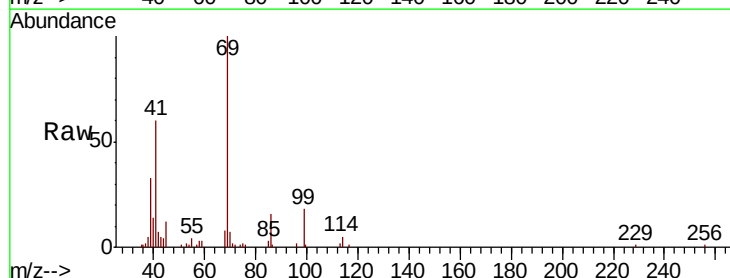
Instrument :
MSVOA_D
ClientSampleId :

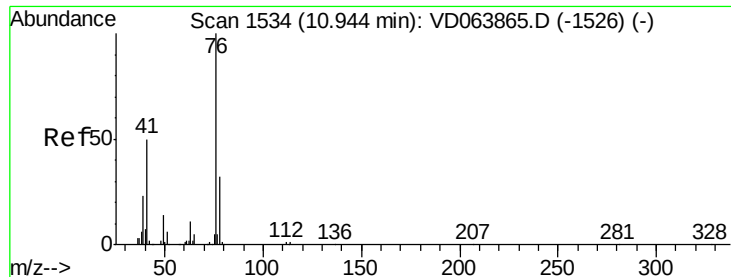
Tot Ion:	97	Resp:	27458
Ion	Ratio	Lower	Upper
97	100		
83	78.6	69.7	104.5
85	54.0	48.1	72.1
99	64.6	51.9	77.9



#56
Ethyl methacrylate
Concen: 20.478 ug/l
RT: 10.66 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Tgt Ion:	69	Resp:	30935
Ion	Ratio	Lower	Upper
69	100		
41	63.4	51.3	76.9
39	43.0	28.0	42.0#





#57

1,3-Dichloropropane

Concen: 21.788 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

Instrument :

MSVOA_D

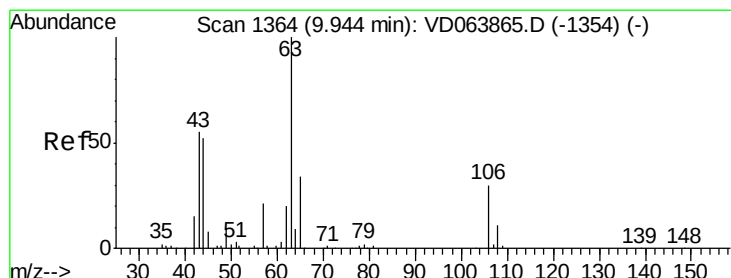
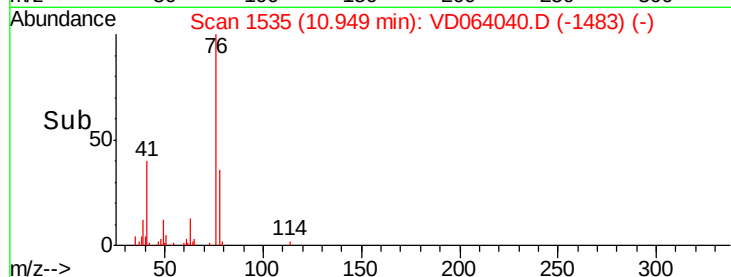
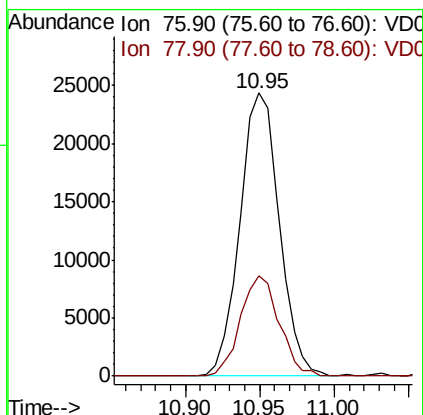
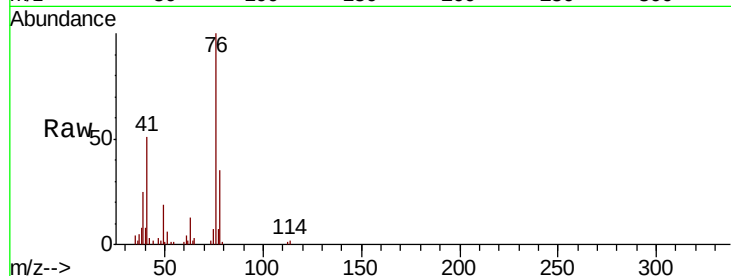
ClientSampled :

Tot Ion: 76 Resp: 44470

Ion Ratio Lower Upper

76 100

78 34.7 26.6 40.0



#58

2-Chloroethyl Vinyl ether

Concen: 103.060 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064040.D

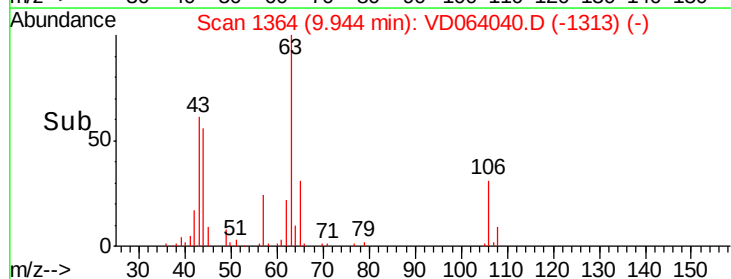
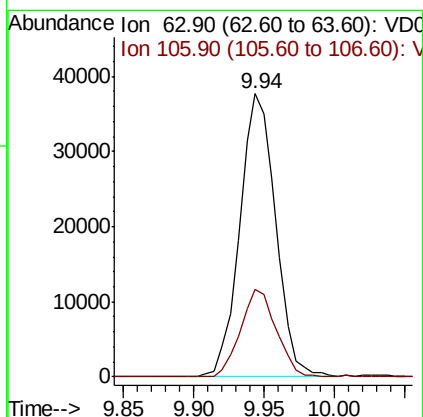
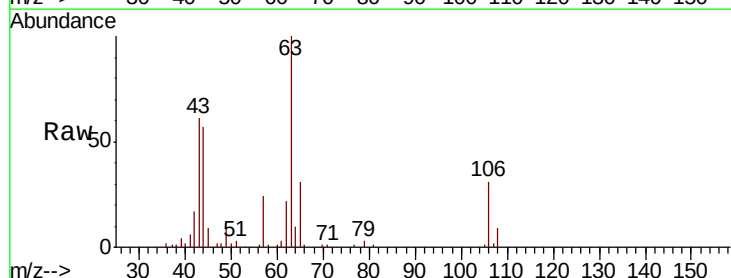
Acq: 24 Oct 2019 12:05

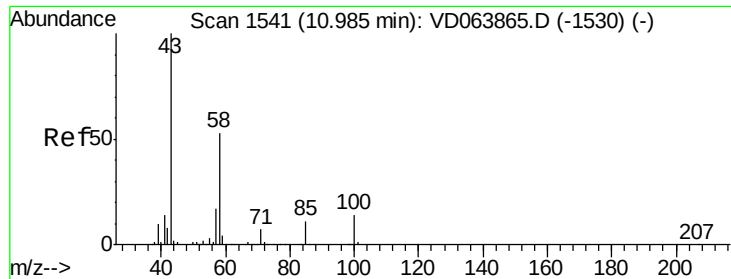
Tgt Ion: 63 Resp: 66920

Ion Ratio Lower Upper

63 100

106 30.7 24.3 36.5

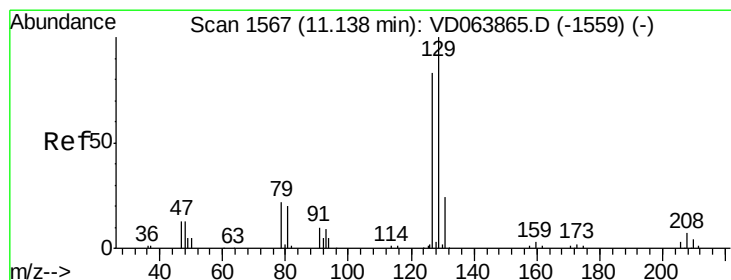
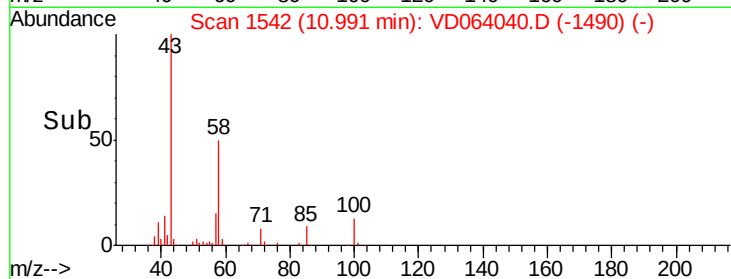
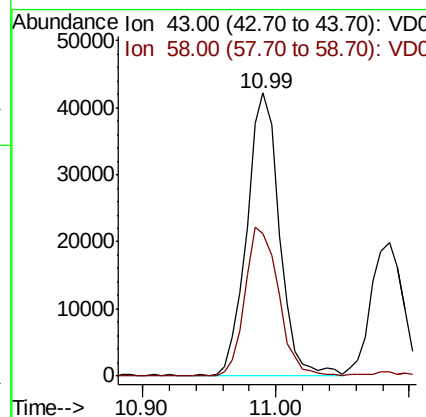
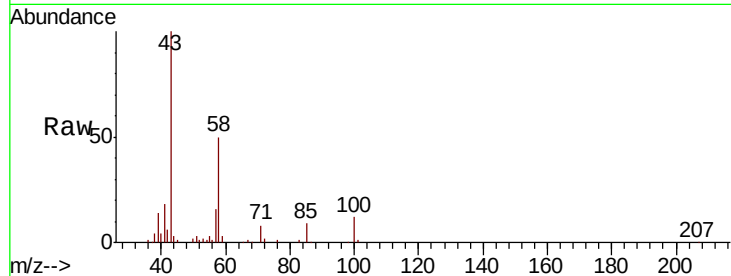




#59
2-Hexanone
Concen: 106.896 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

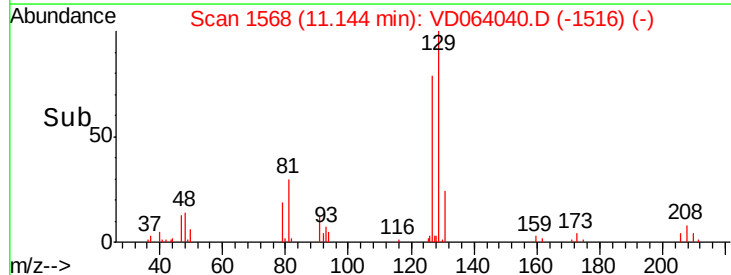
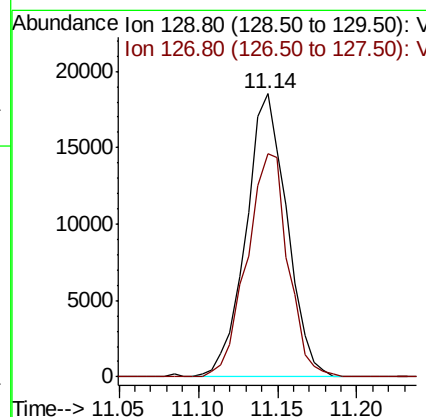
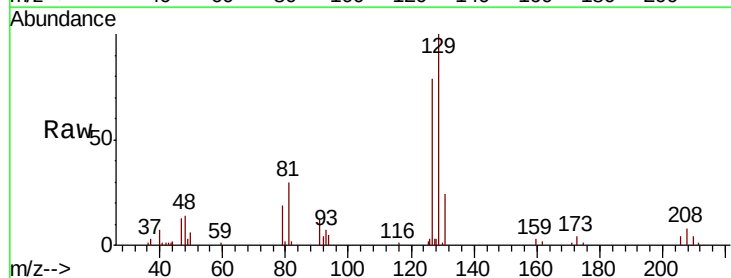
Instrument :
MSVOA_D
ClientSampled :

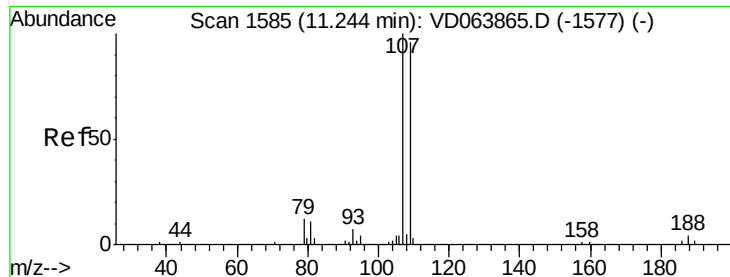
Tot Ion: 43 Resp: 71129
Ion Ratio Lower Upper
43 100
58 54.2 27.7 83.0



#60
Dibromochloromethane
Concen: 21.438 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Tgt Ion: 129 Resp: 33294
Ion Ratio Lower Upper
129 100
127 79.2 39.9 119.6

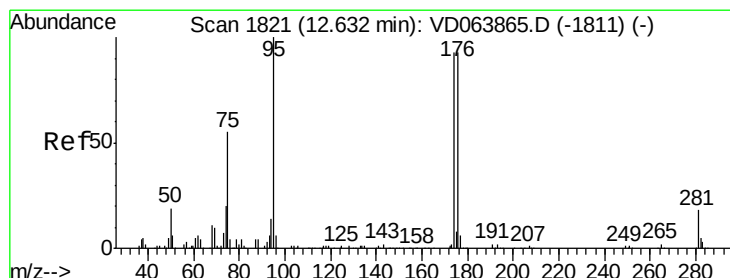
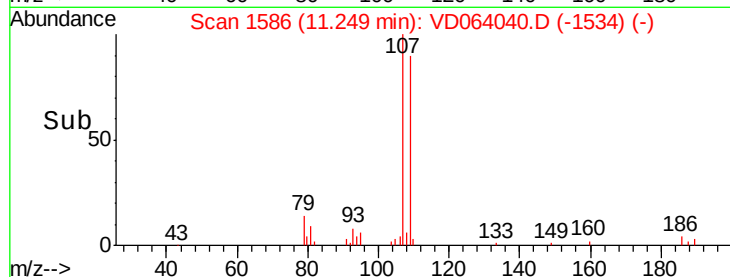
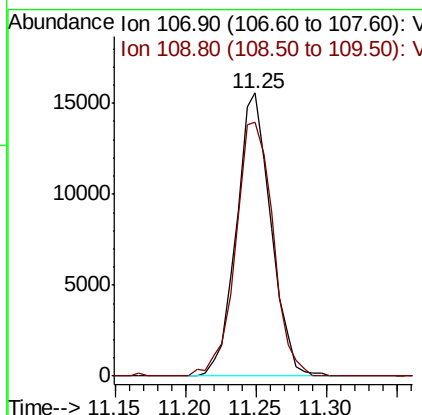
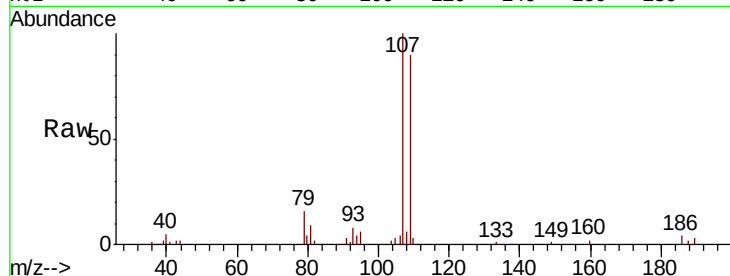




#61
 1,2-Dibromoethane
 Concen: 23.023 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD064040.D
 Acq: 24 Oct 2019 12:05

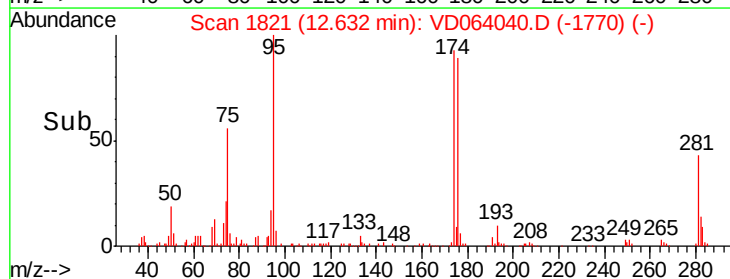
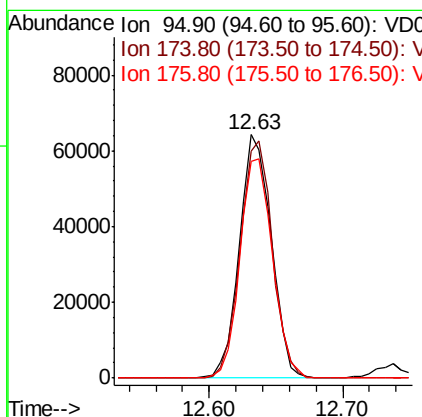
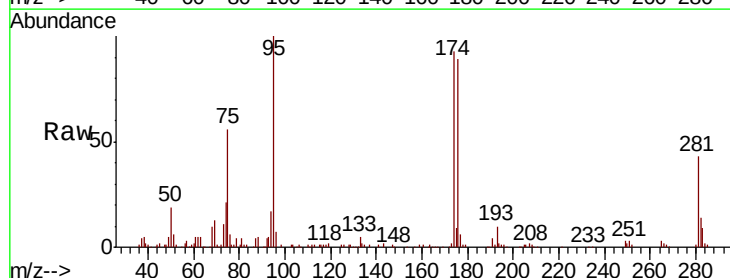
Instrument :
 MSVOA_D
 ClientSampleId :

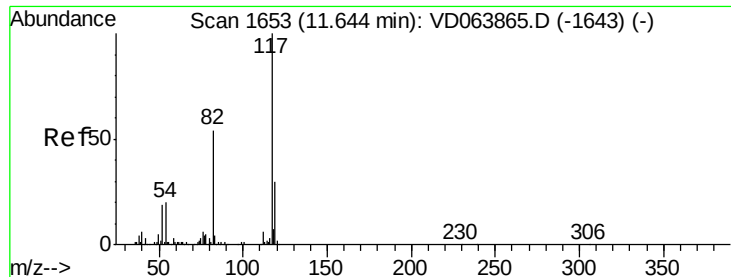
Tot Ion: 107 Resp: 26626
 Ion Ratio Lower Upper
 107 100
 109 97.2 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 53.173 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD064040.D
 Acq: 24 Oct 2019 12:05

Tgt Ion: 95 Resp: 106018
 Ion Ratio Lower Upper
 95 100
 174 97.5 0.0 186.4
 176 92.3 0.0 184.2

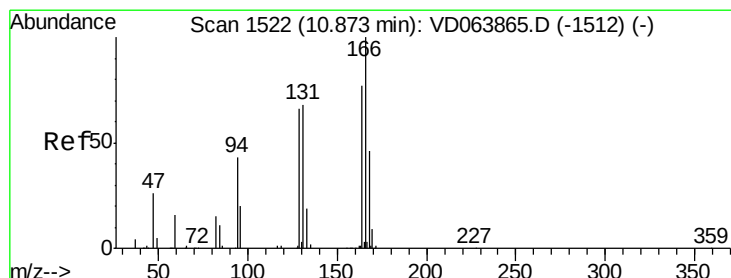
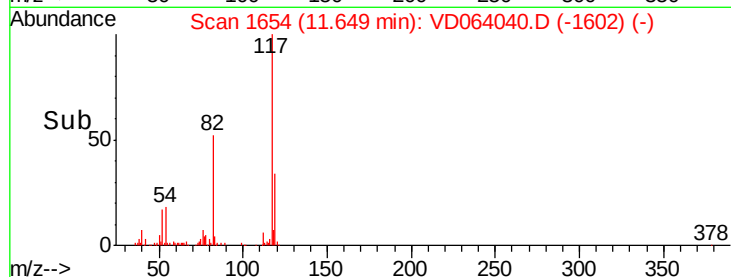
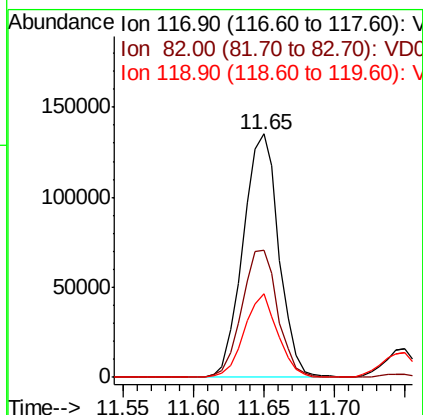
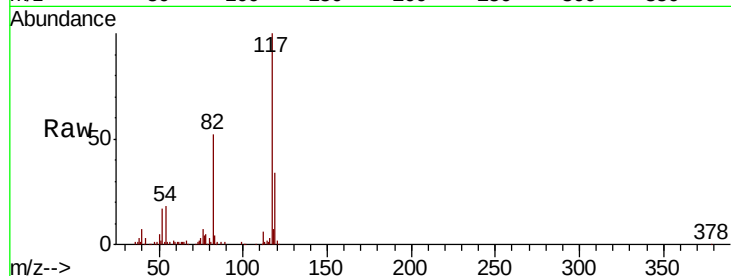




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

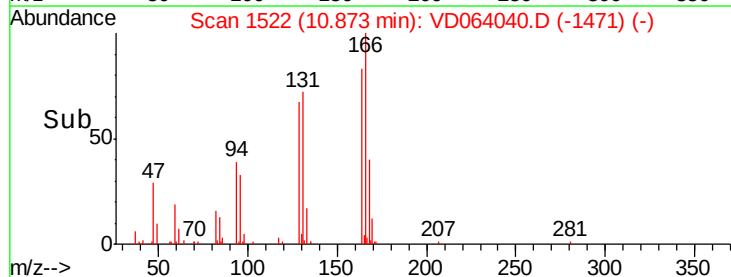
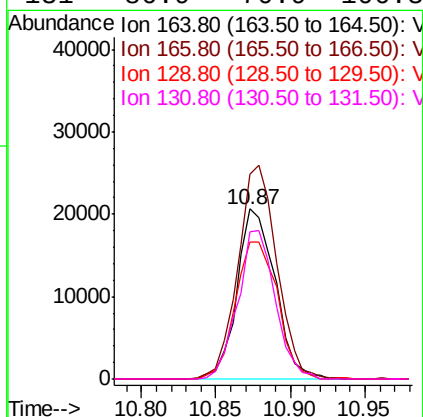
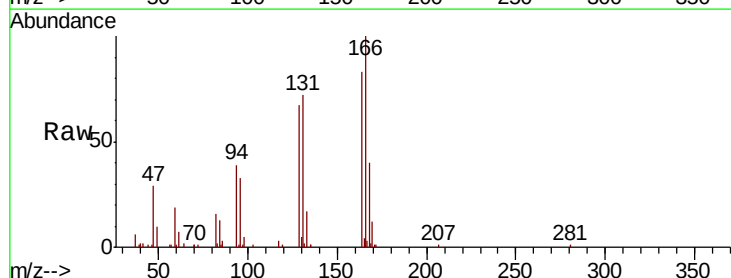
Instrument :
MSVOA_D
ClientSampleId :

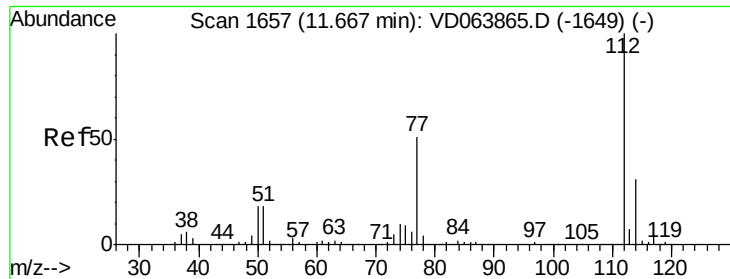
Tot Ion:117 Resp: 239950
Ion Ratio Lower Upper
117 100
82 52.4 42.8 64.2
119 34.1 24.4 36.6



#64
Tetrachloroethene
Concen: 22.294 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Tgt Ion:164 Resp: 36520
Ion Ratio Lower Upper
164 100
166 121.1 103.8 155.6
129 80.7 68.9 103.3
131 86.9 70.9 106.3





#65

Chlorobenzene

Concen: 22.672 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.01 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

Instrument :

MSVOA_D

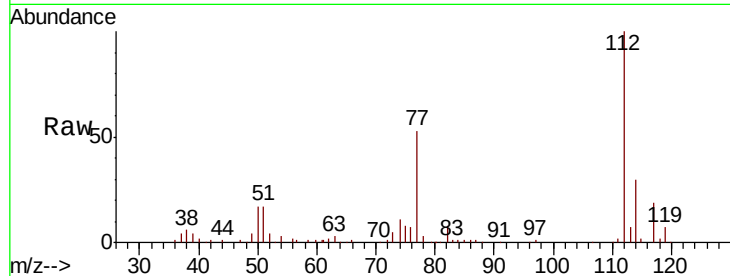
ClientSampled :

Tot Ion:112 Resp: 109251

Ion Ratio Lower Upper

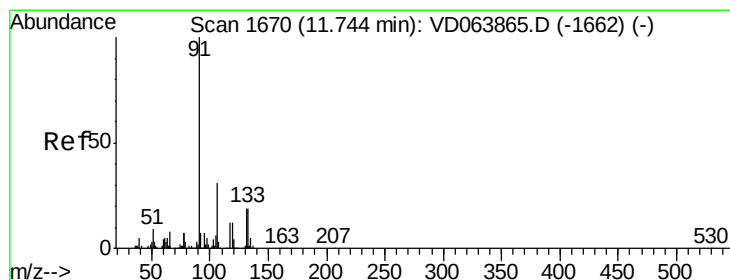
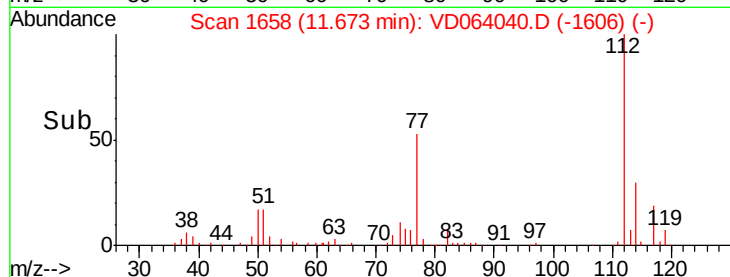
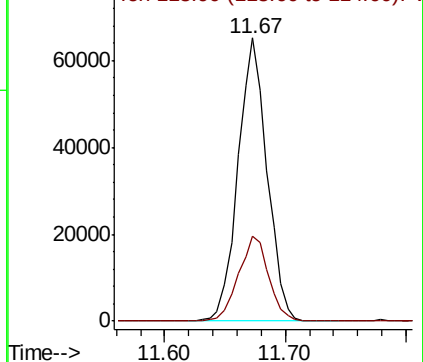
112 100

114 29.9 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.294 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

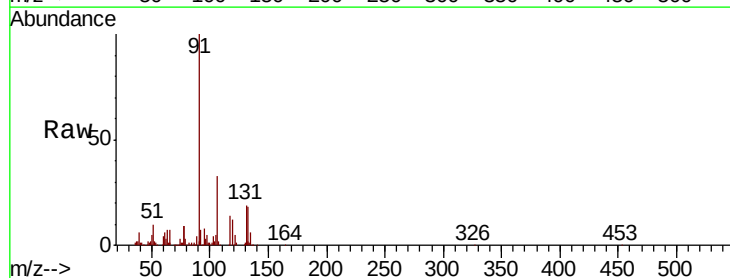
Tgt Ion:131 Resp: 37811

Ion Ratio Lower Upper

131 100

133 94.3 48.9 146.7

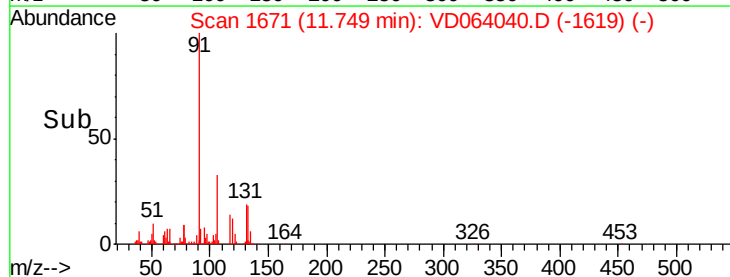
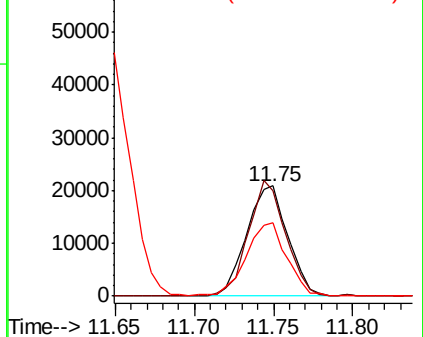
119 65.1 32.6 97.8

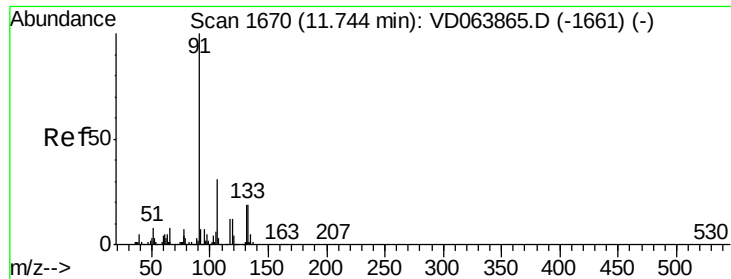


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 22.183 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

Instrument :

MSVOA_D

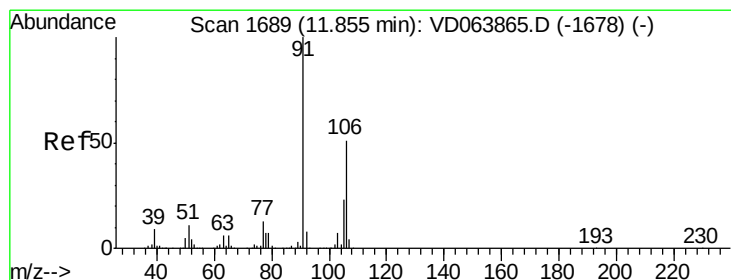
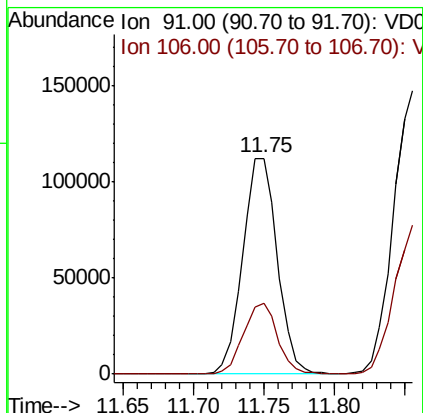
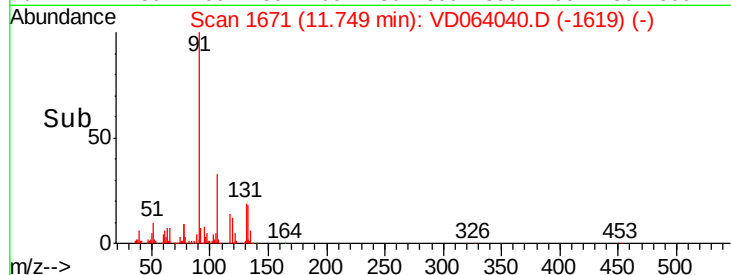
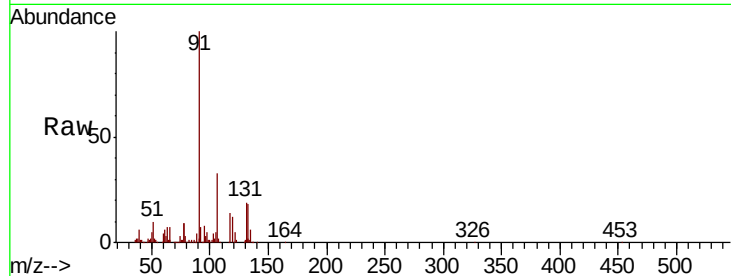
ClientSampleId :

Tot Ion: 91 Resp: 192752

Ion Ratio Lower Upper

91 100

106 32.7 24.6 37.0



#68

m/p-Xylenes

Concen: 43.922 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064040.D

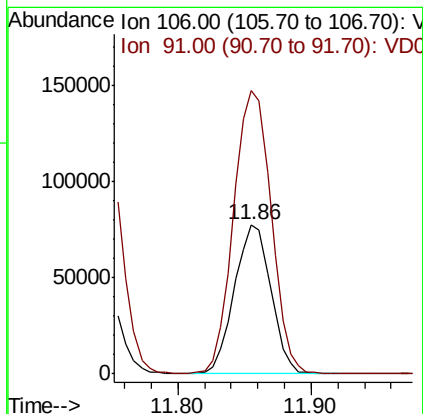
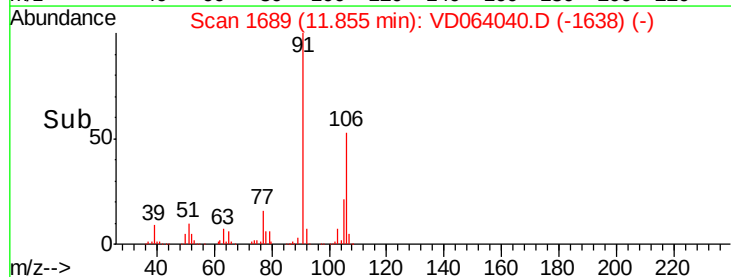
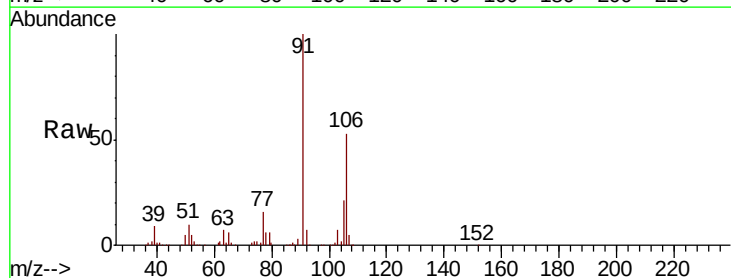
Acq: 24 Oct 2019 12:05

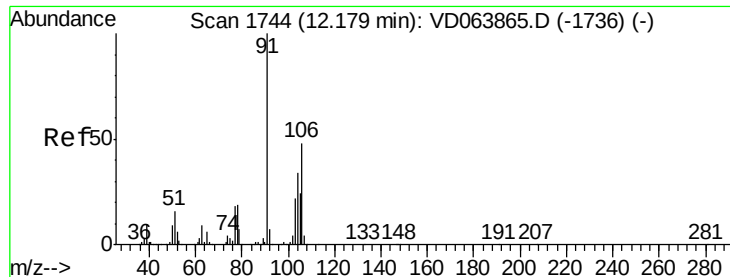
Tgt Ion: 106 Resp: 147310

Ion Ratio Lower Upper

106 100

91 196.0 154.8 232.2

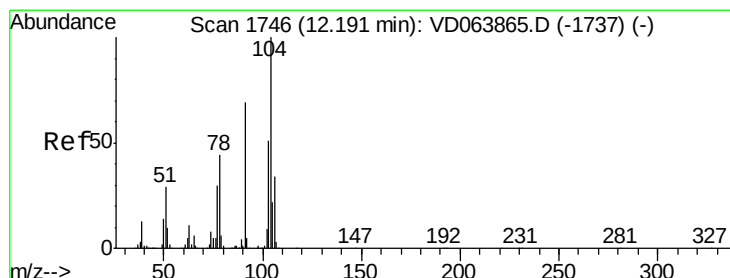
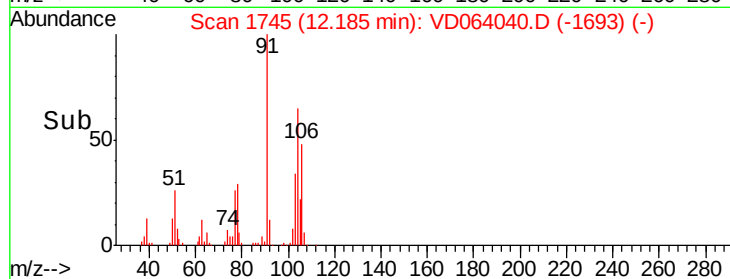
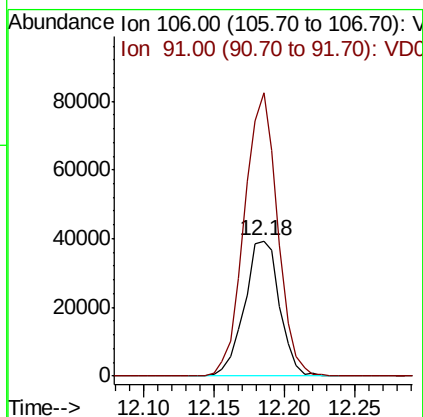
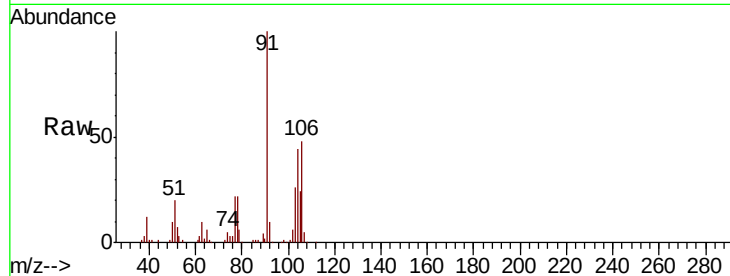




#69
o-Xylene
Concen: 21.421 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

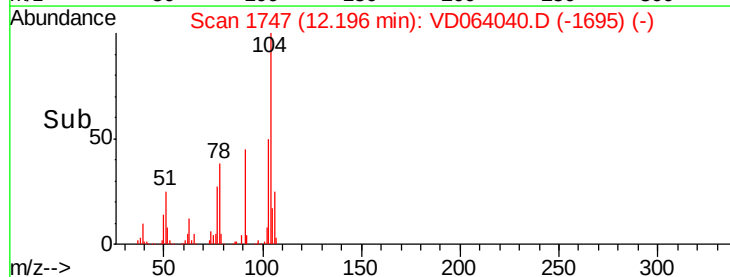
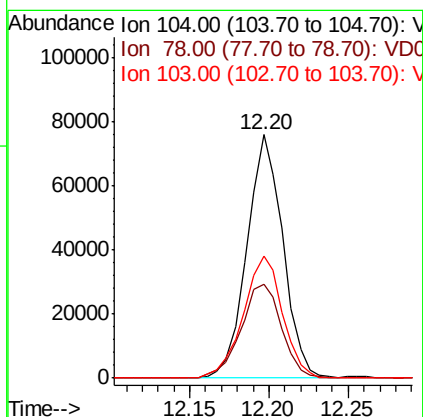
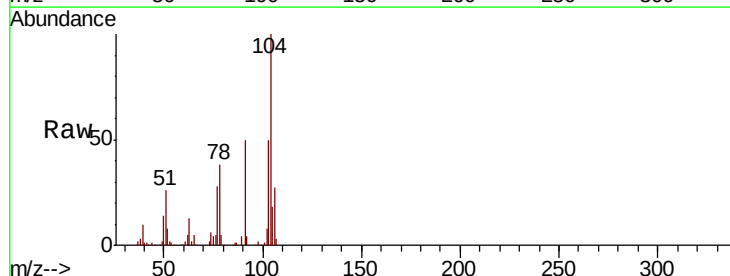
Instrument :
MSVOA_D
ClientSampled :

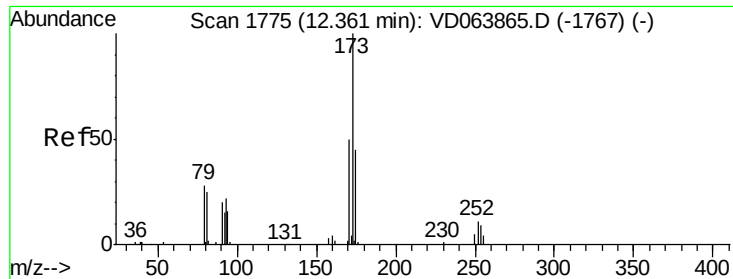
Tot Ion:106 Resp: 68793
Ion Ratio Lower Upper
106 100
91 197.9 103.9 311.7



#70
Styrene
Concen: 22.053 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Tgt Ion:104 Resp: 119891
Ion Ratio Lower Upper
104 100
78 43.6 37.0 55.4
103 54.6 44.2 66.4





#71

Bromoform

Concen: 21.449 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

Instrument :

MSVOA_D

ClientSampled :

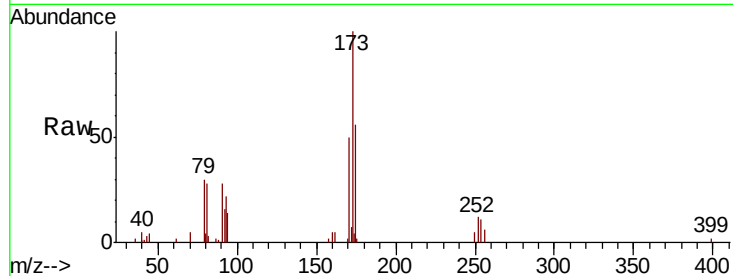
Tot Ion:173 Resp: 20439

Ion Ratio Lower Upper

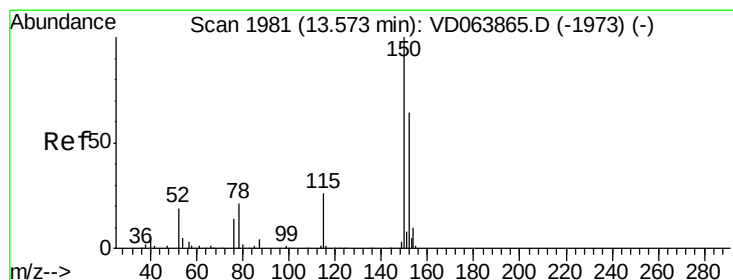
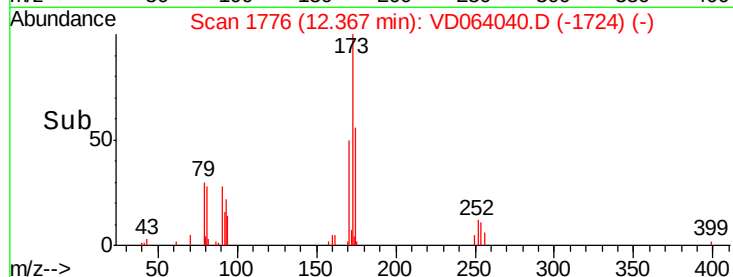
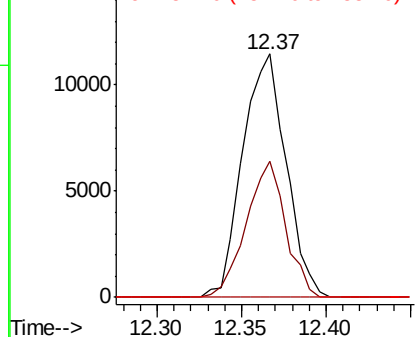
173 100

175 50.9 24.6 74.0

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.01 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

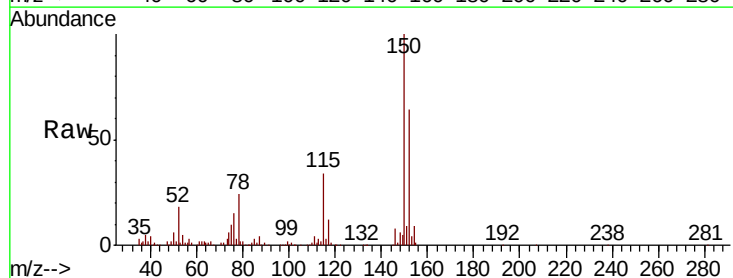
Tgt Ion:152 Resp: 128480

Ion Ratio Lower Upper

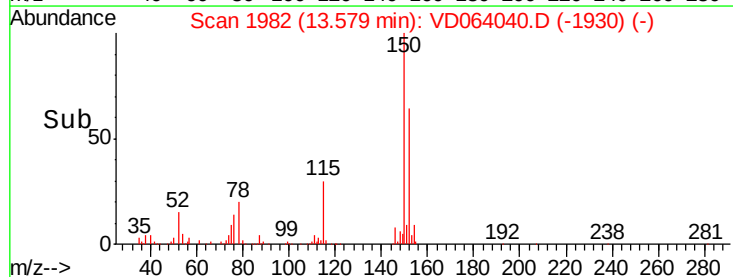
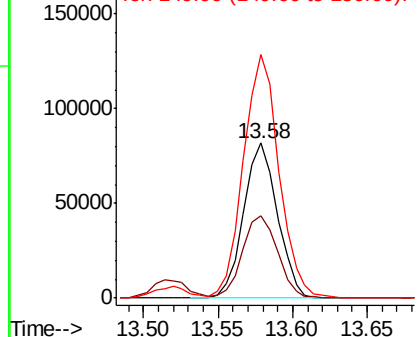
152 100

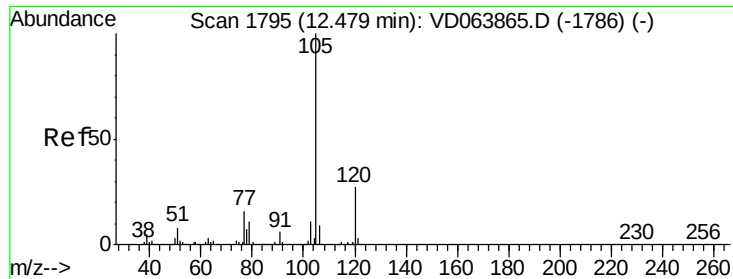
115 55.1 25.9 77.7

150 165.3 0.0 344.2



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





#73

Isopropylbenzene

Concen: 21.493 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

Instrument :

MSVOA_D

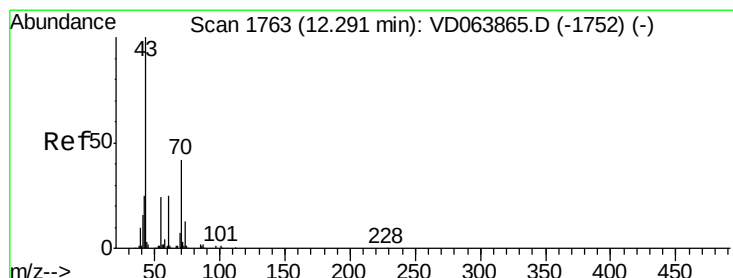
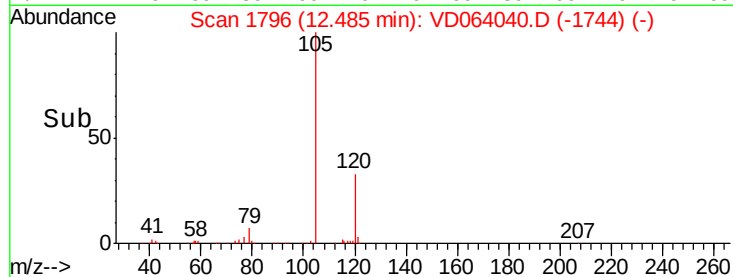
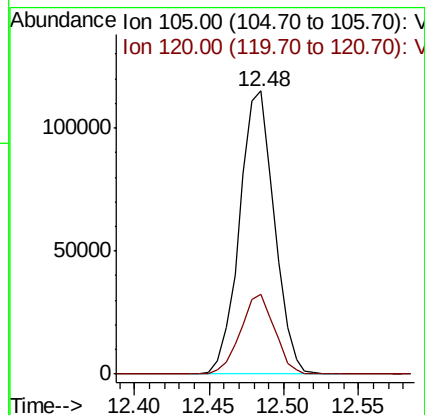
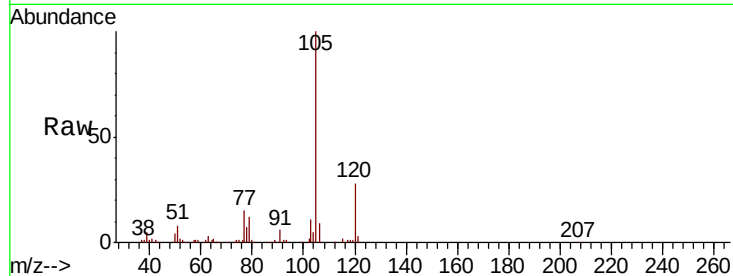
ClientSampleId :

Tot Ion:105 Resp: 185634

Ion Ratio Lower Upper

105 100

120 27.6 13.3 39.8



#74

N-ethyl acetate

Concen: 19.396 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

Tgt Ion: 43 Resp: 36069

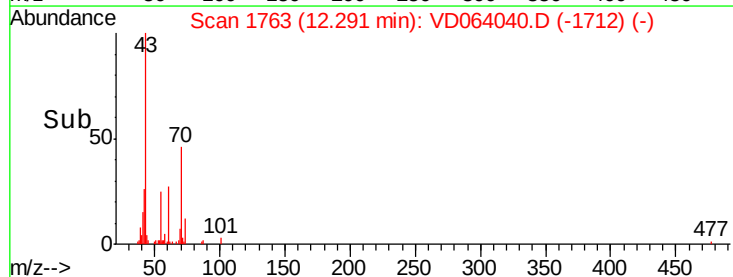
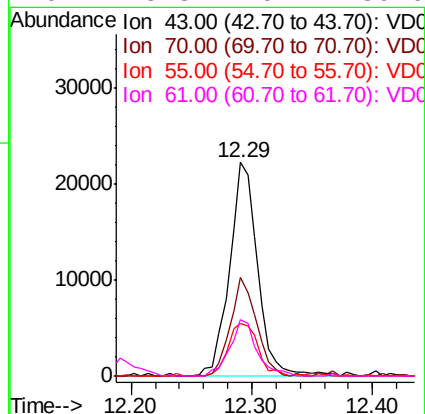
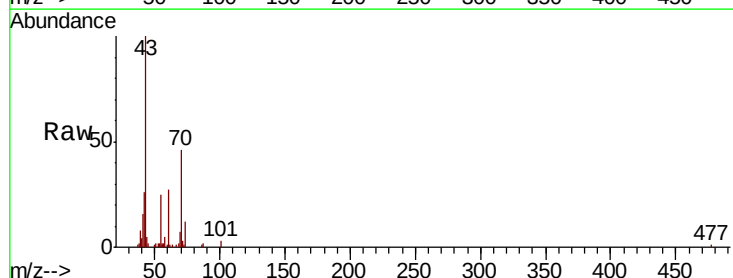
Ion Ratio Lower Upper

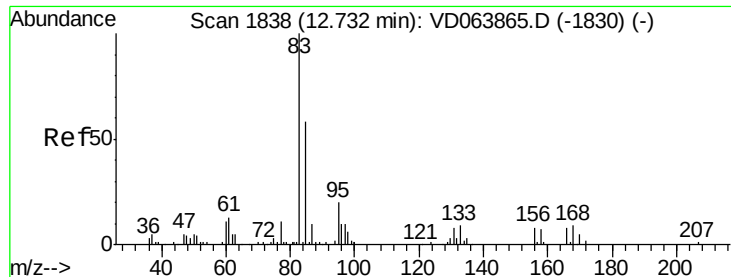
43 100

70 43.0 35.8 53.6

55 26.0 19.4 29.0

61 25.3 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.597 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

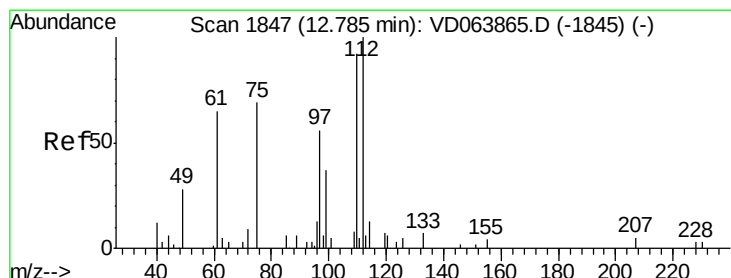
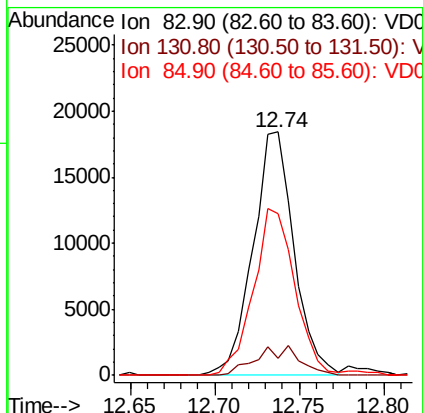
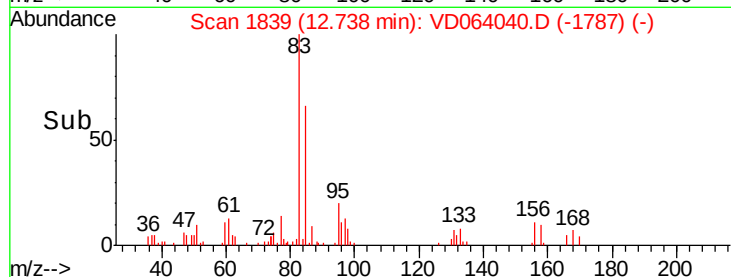
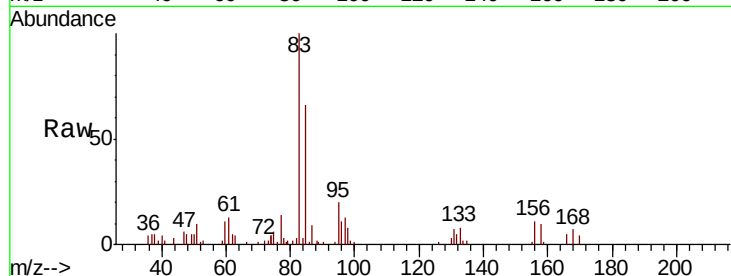
Tot Ion: 83 Resp: 30957

Ion Ratio Lower Upper

83 100

131 12.6 5.6 16.8

85 69.3 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 47.011 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD064040.D

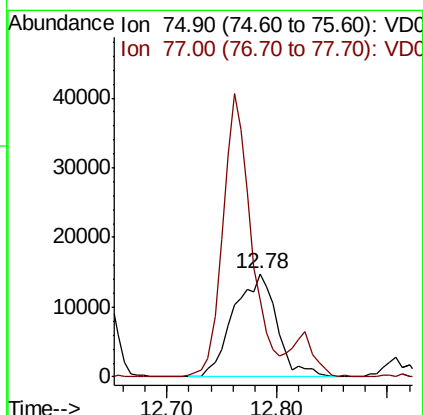
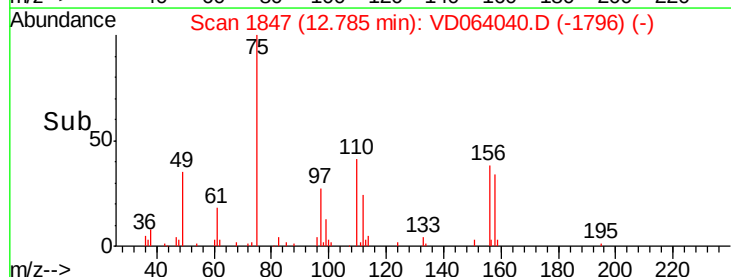
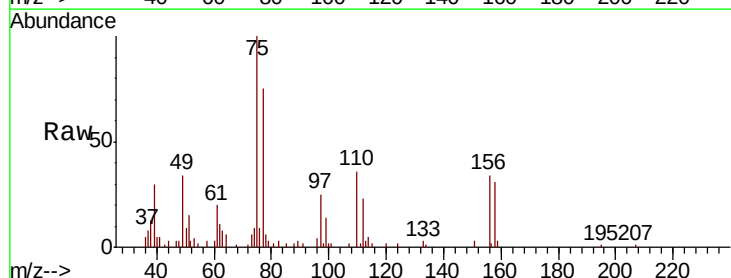
Acq: 24 Oct 2019 12:05

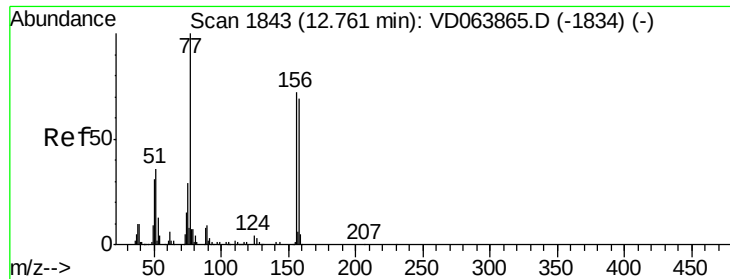
Tgt Ion: 75 Resp: 40454

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 21.816 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

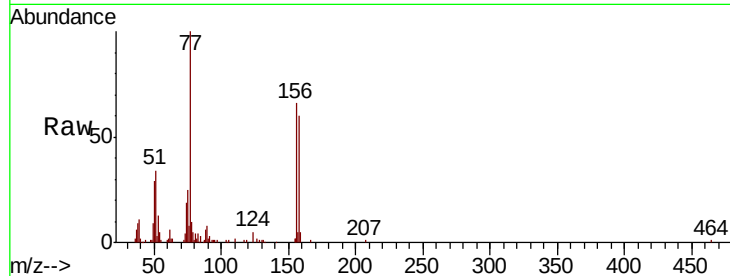
Tot Ion:156 Resp: 46946

Ion Ratio Lower Upper

156 100

77 155.7 80.3 241.0

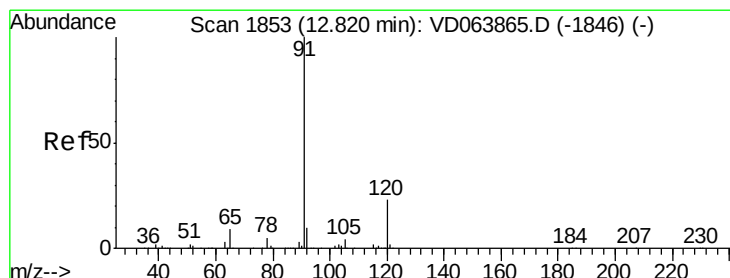
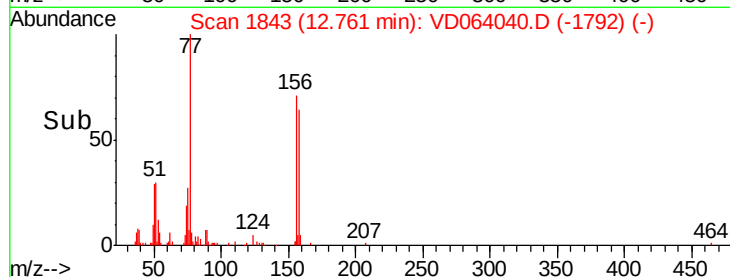
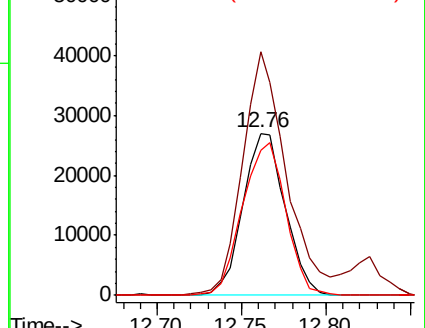
158 96.6 47.4 142.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 23.162 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD064040.D

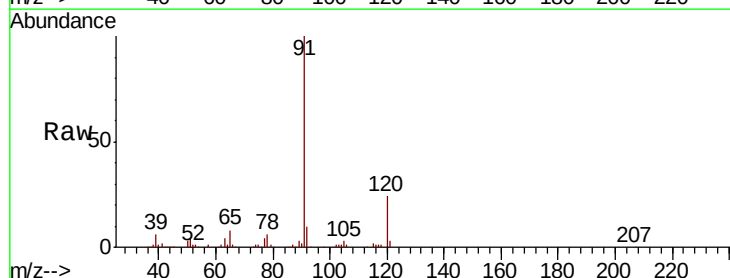
Acq: 24 Oct 2019 12:05

Tgt Ion: 91 Resp: 234814

Ion Ratio Lower Upper

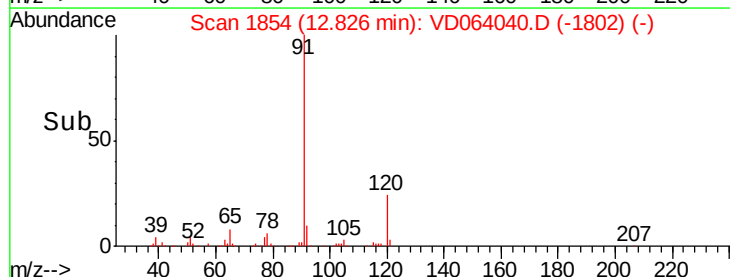
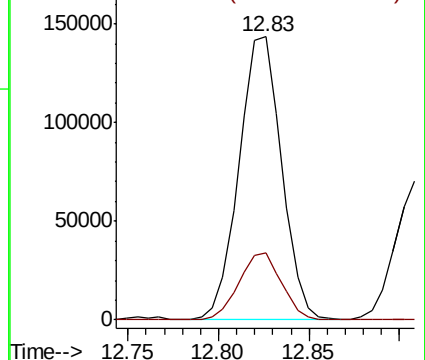
91 100

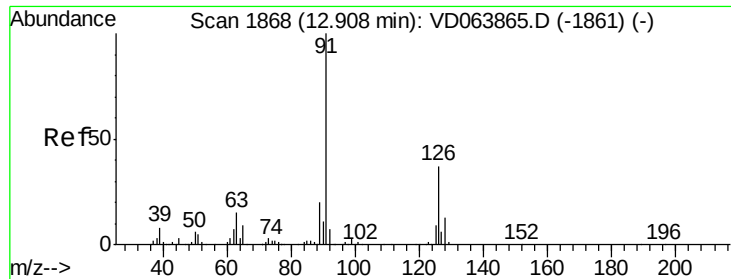
120 23.8 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.031 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

Instrument :

MSVOA_D

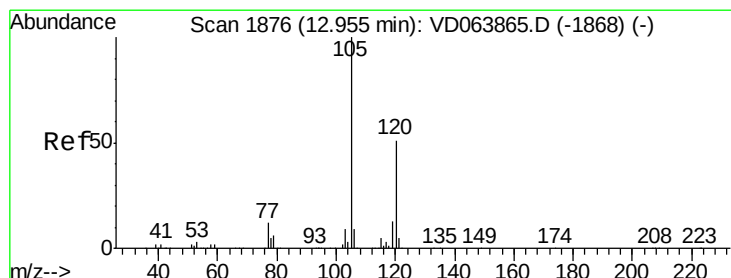
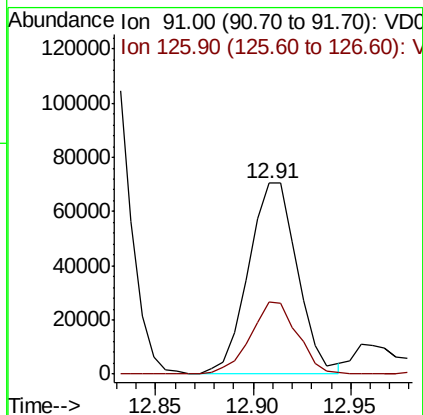
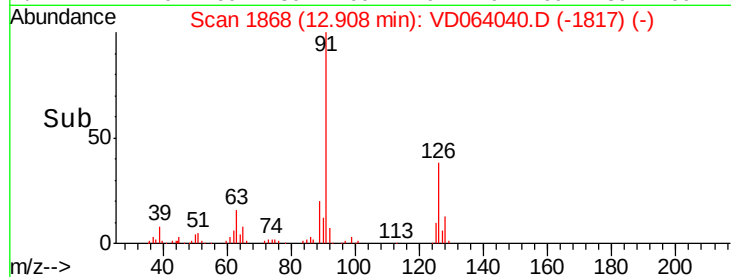
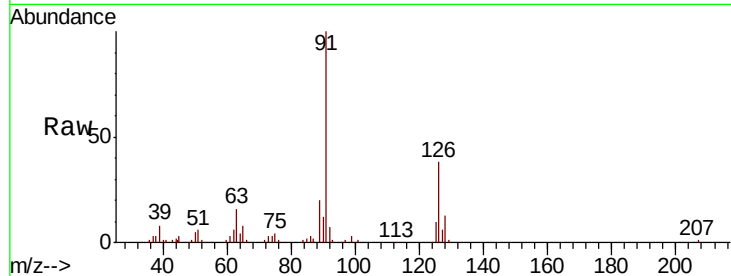
ClientSampled :

Tot Ion: 91 Resp: 123157

Ion Ratio Lower Upper

91 100

126 36.2 18.4 55.2



#80

1,3,5-Trimethylbenzene

Concen: 21.962 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VD064040.D

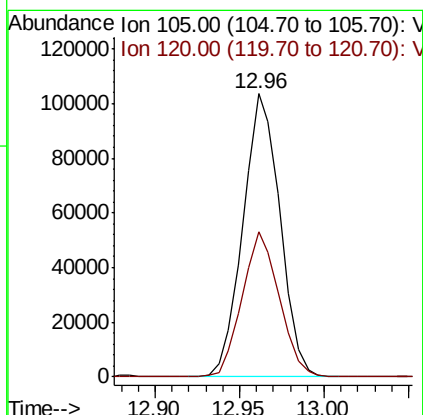
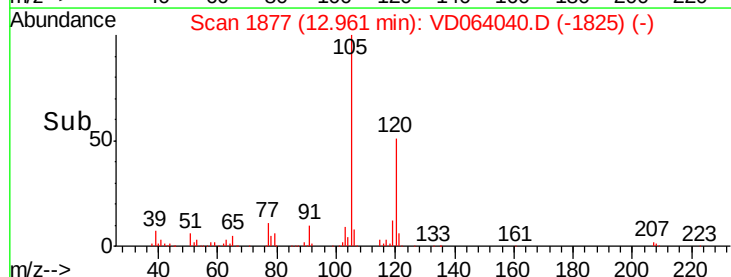
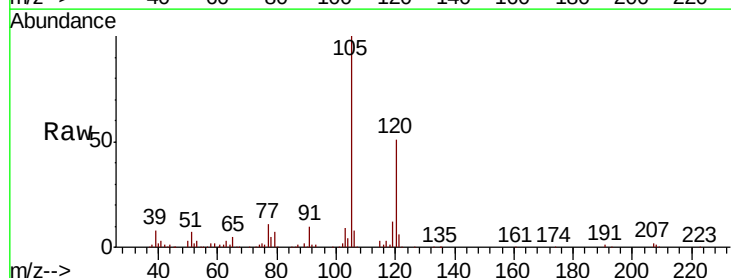
Acq: 24 Oct 2019 12:05

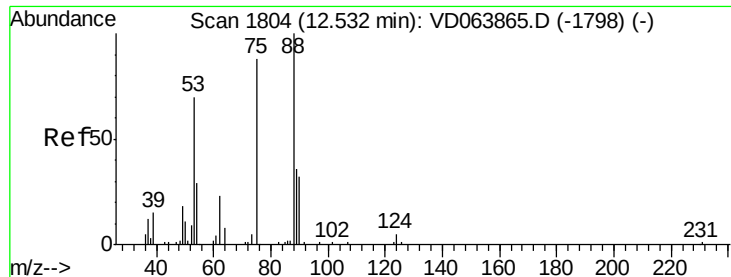
Tgt Ion: 105 Resp: 158251

Ion Ratio Lower Upper

105 100

120 51.2 25.9 77.8





#81

trans-1,4-Dichloro-2-butene

Concen: 17.436 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

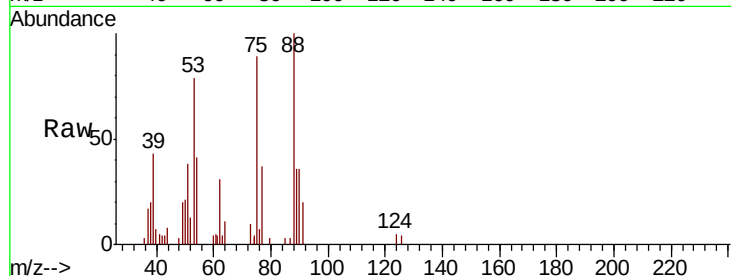
Tot Ion: 75 Resp: 8479

Ion Ratio Lower Upper

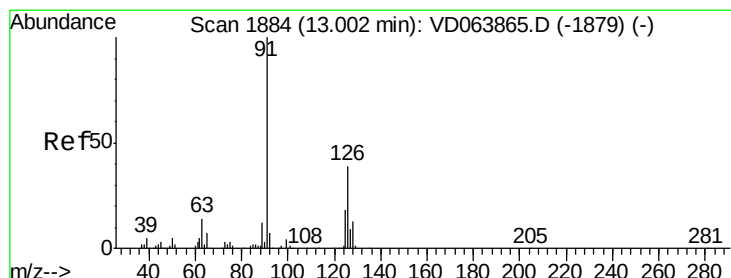
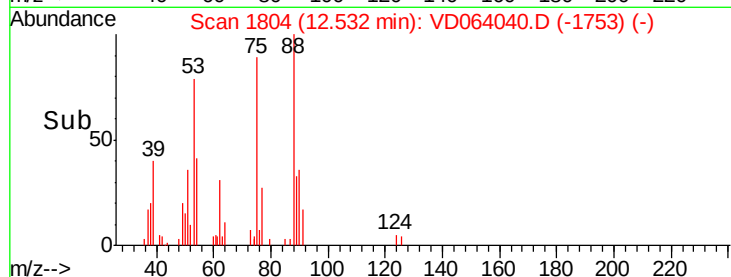
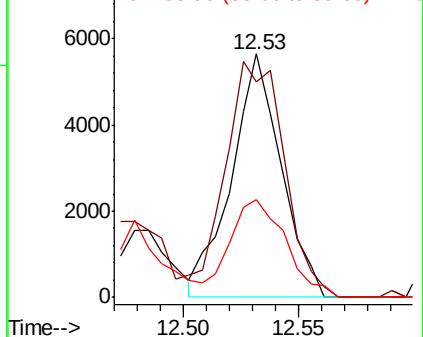
75 100

53 114.0 75.0 112.6#

89 45.0 38.2 57.4



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 22.554 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VD064040.D

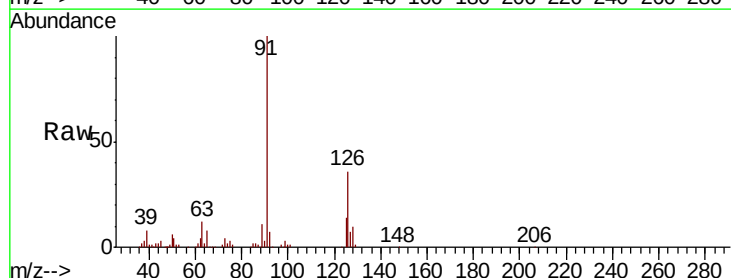
Acq: 24 Oct 2019 12:05

Tgt Ion: 91 Resp: 133746

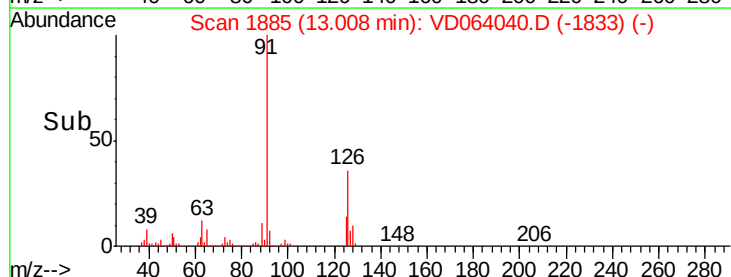
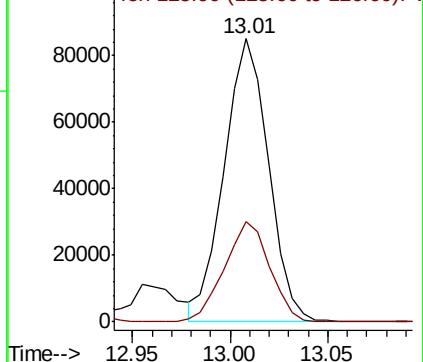
Ion Ratio Lower Upper

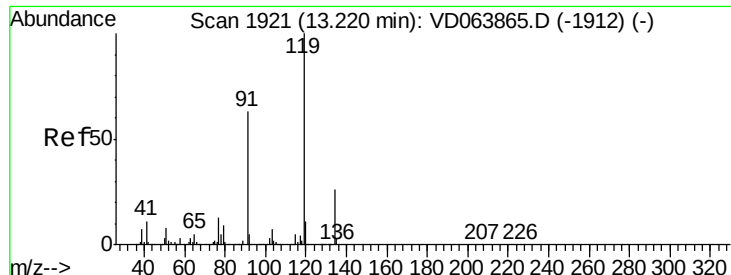
91 100

126 36.1 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V

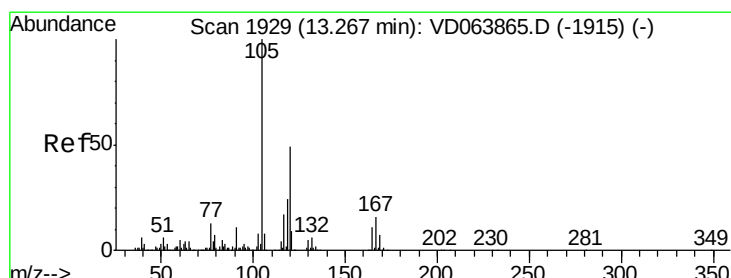
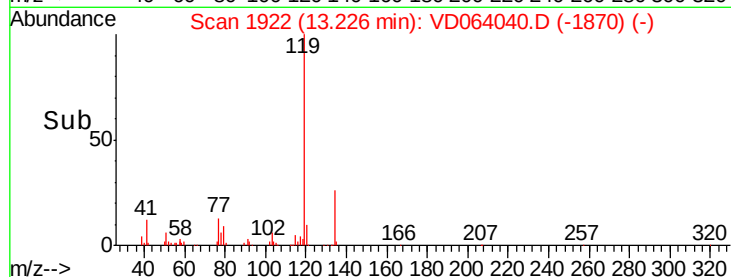
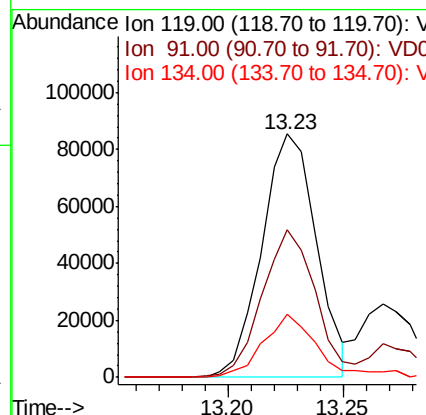
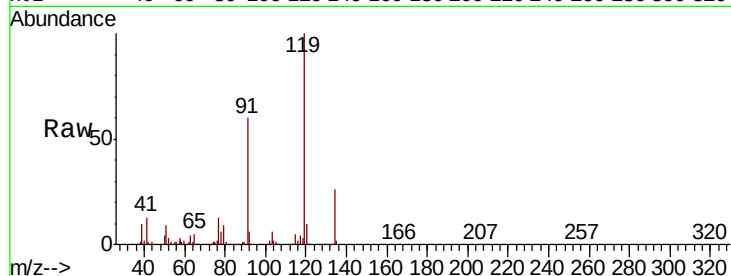




#83
 tert-Butylbenzene
 Concen: 21.953 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.01 min
 Lab File: VD064040.D
 Acq: 24 Oct 2019 12:05

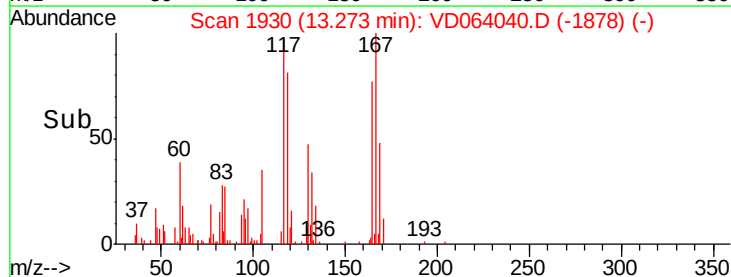
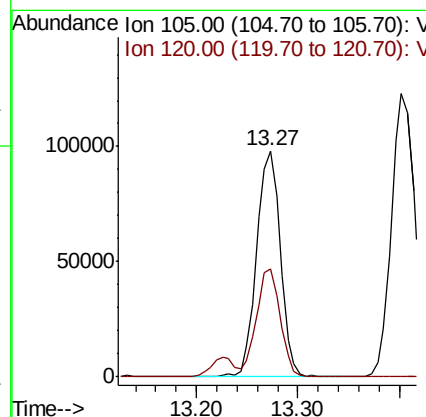
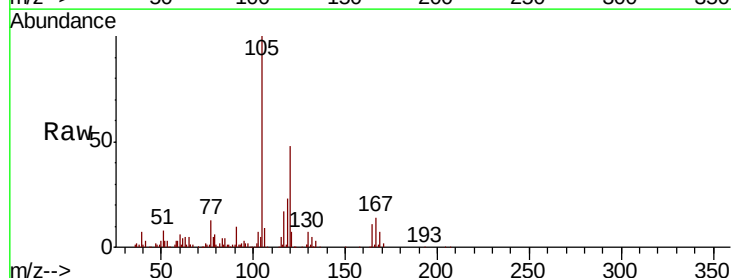
Instrument :
 MSVOA_D
 ClientSampled :

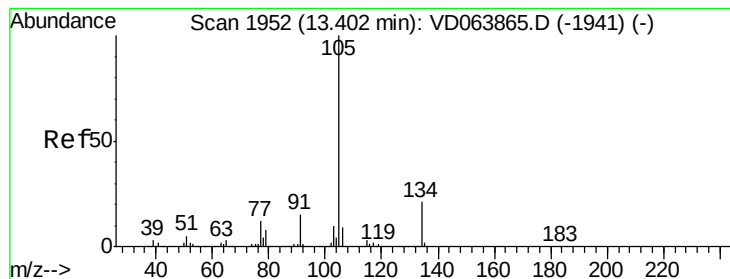
Tot Ion	Ratio	Lower	Upper
119	100		
91	59.4	30.0	90.0
134	26.4	13.0	38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 21.644 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.01 min
 Lab File: VD064040.D
 Acq: 24 Oct 2019 12:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.8	71.5





#85

sec-Butylbenzene

Concen: 22.875 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

Instrument :

MSVOA_D

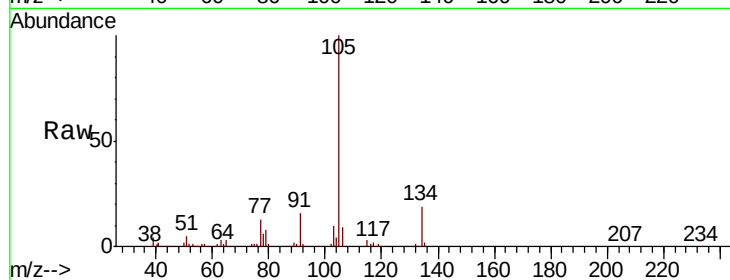
ClientSampleId :

Tot Ion:105 Resp: 198109

Ion Ratio Lower Upper

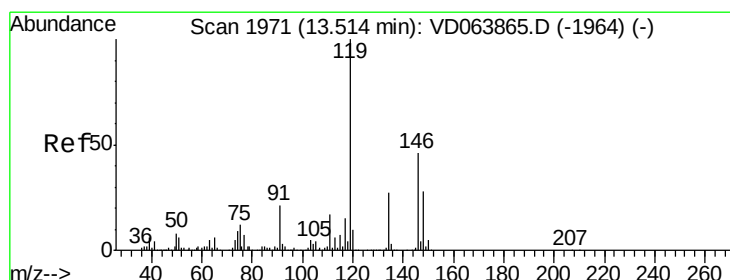
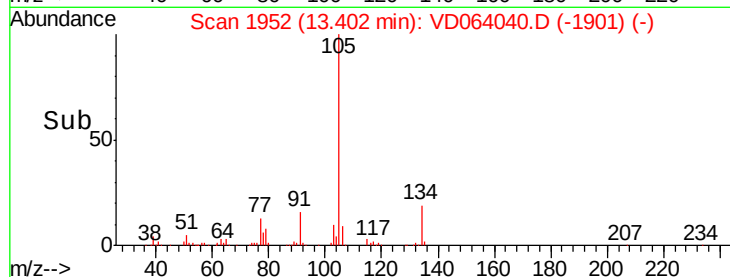
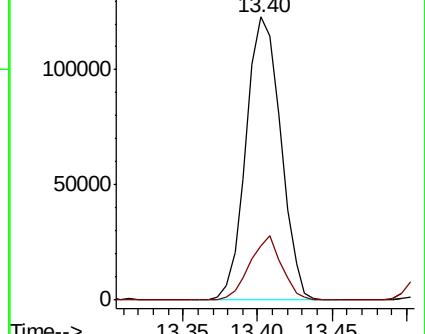
105 100

134 21.0 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.387 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

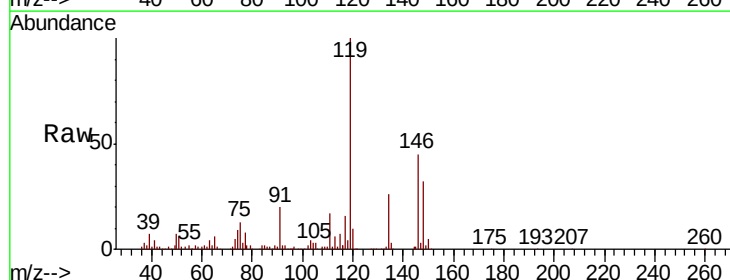
Tgt Ion:119 Resp: 183462

Ion Ratio Lower Upper

119 100

134 26.6 13.9 41.6

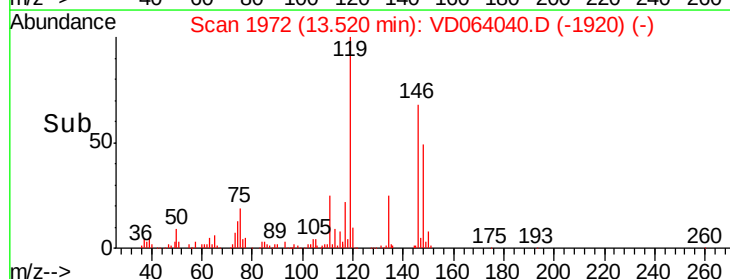
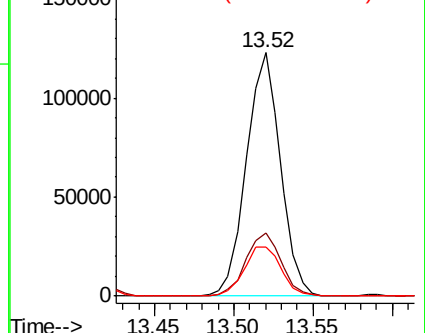
91 22.1 11.2 33.5

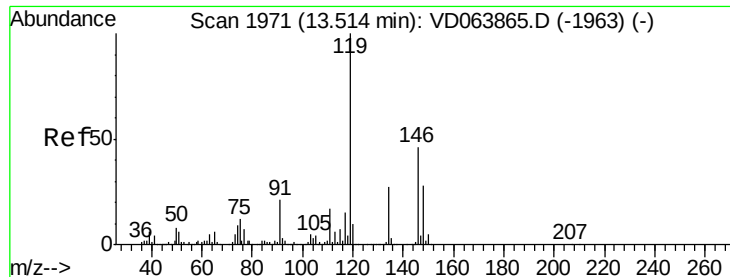


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

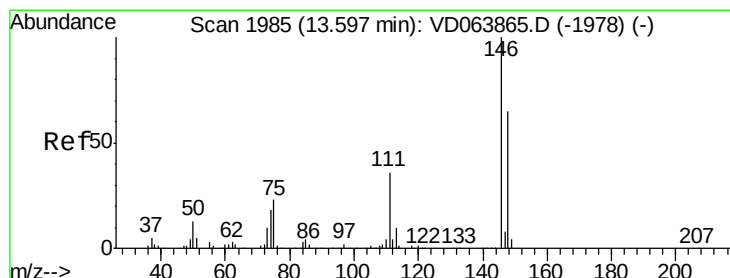
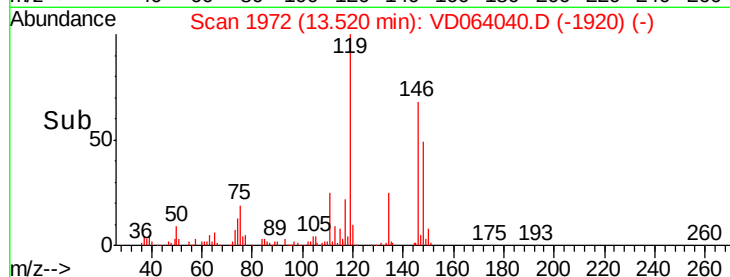
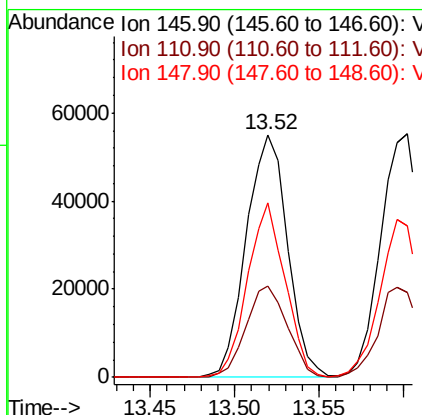
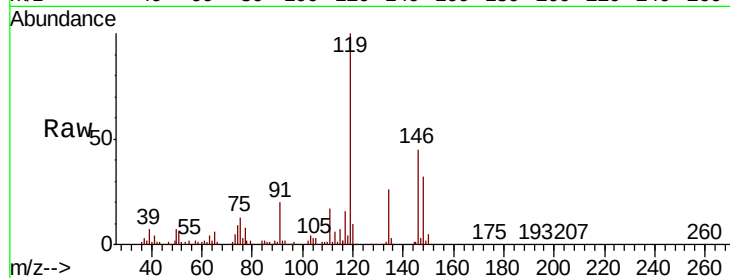




#87
 1,3-Dichlorobenzene
 Concen: 22.024 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD064040.D
 Acq: 24 Oct 2019 12:05

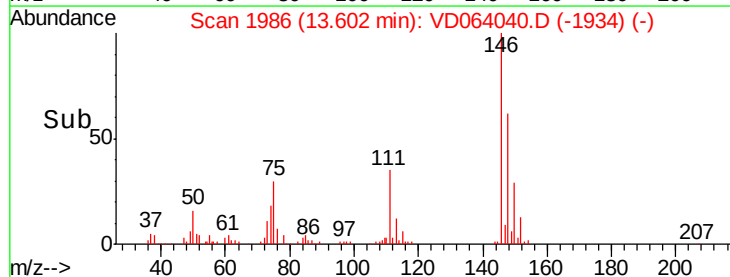
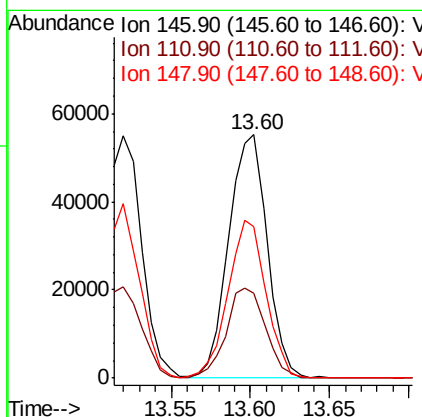
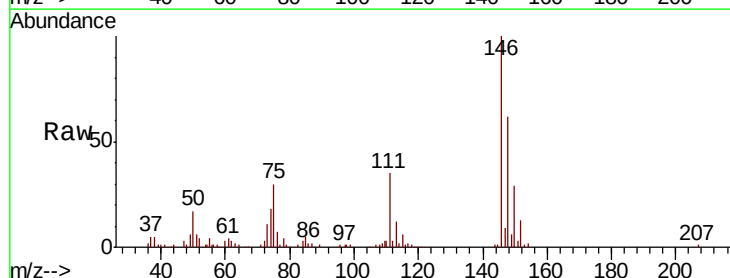
Instrument :
 MSVOA_D
 ClientSampleId :

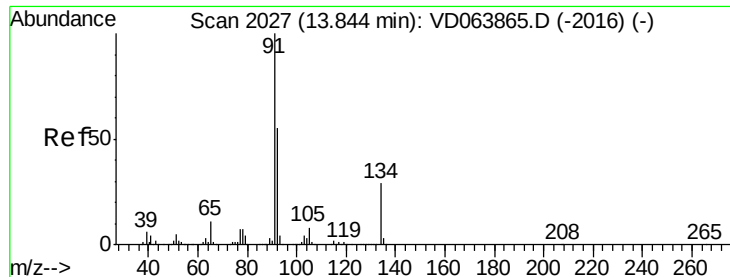
Tot Ion:146 Resp: 93643
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.3 54.9
 148 65.7 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 22.133 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD064040.D
 Acq: 24 Oct 2019 12:05

Tgt Ion:146 Resp: 92840
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.6 56.0
 148 64.2 32.6 98.0





#89

n-Butylbenzene

Concen: 22.681 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. 0.01 min

Lab File: VD064040.D

Acq: 24 Oct 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

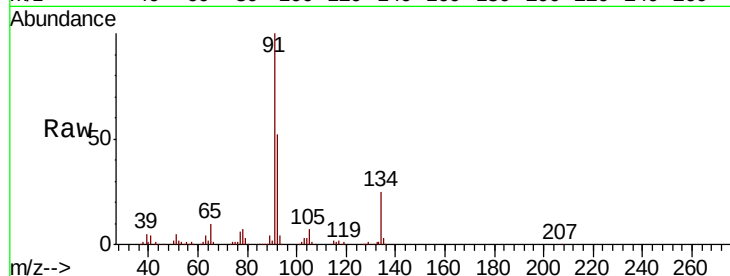
Tot Ion: 91 Resp: 173012

Ion Ratio Lower Upper

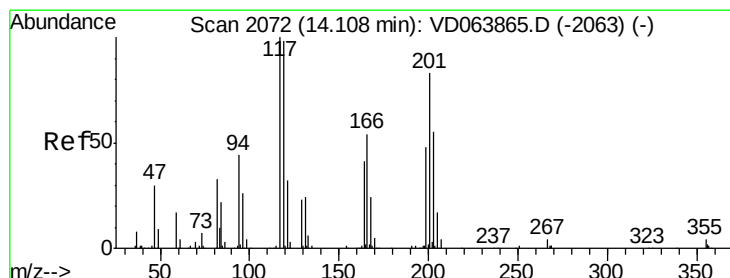
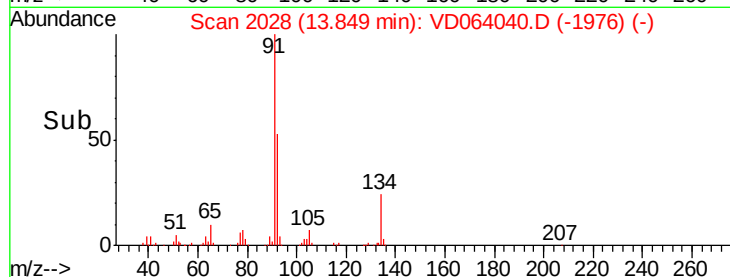
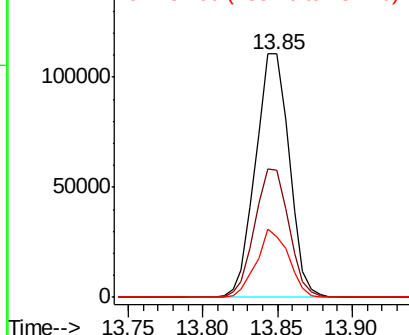
91 100

92 53.3 26.8 80.3

134 26.7 14.4 43.0



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.00 (133.70 to 134.70): VDC



#90

Hexachloroethane

Concen: 22.457 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.01 min

Lab File: VD064040.D

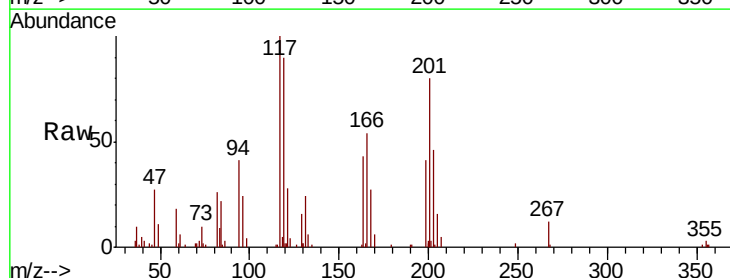
Acq: 24 Oct 2019 12:05

Tgt Ion: 117 Resp: 33100

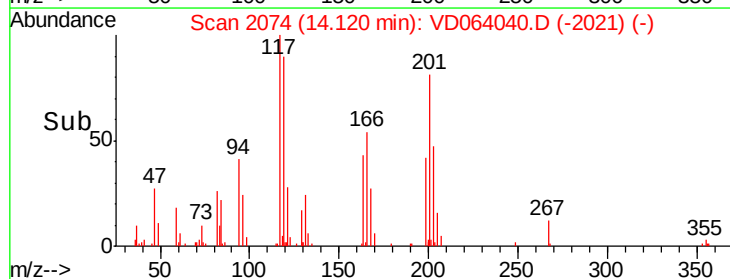
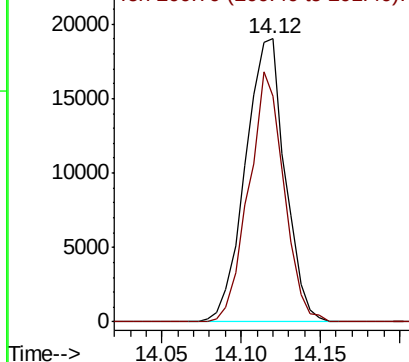
Ion Ratio Lower Upper

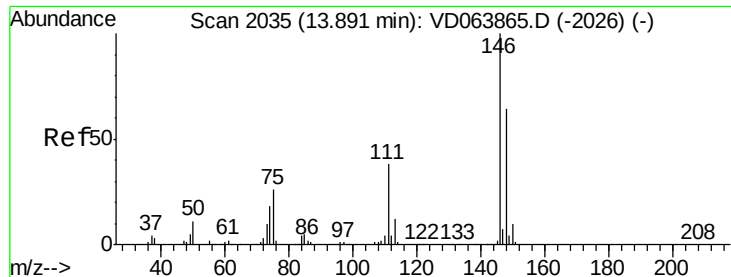
117 100

201 78.4 40.6 121.7



Abundance Ion 116.80 (116.50 to 117.50): VDC
Ion 200.70 (200.40 to 201.40): VDC

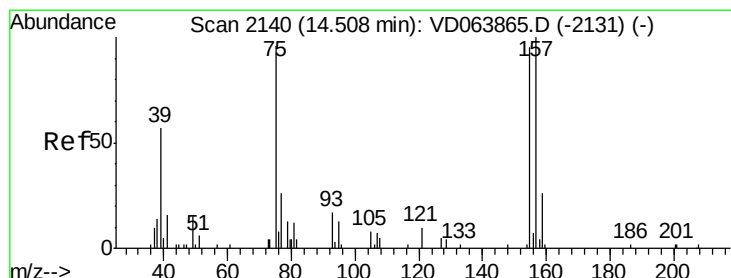
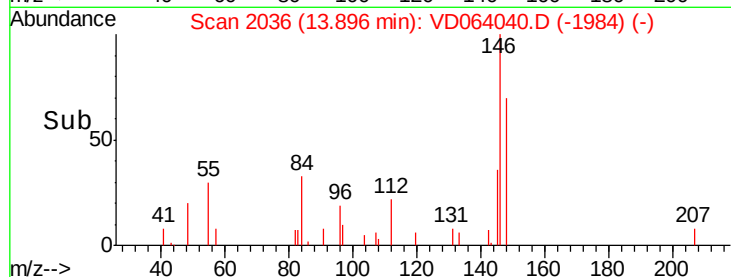
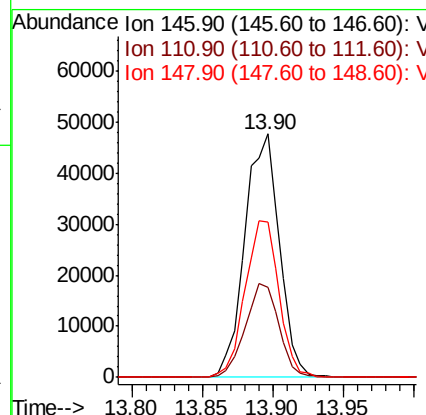
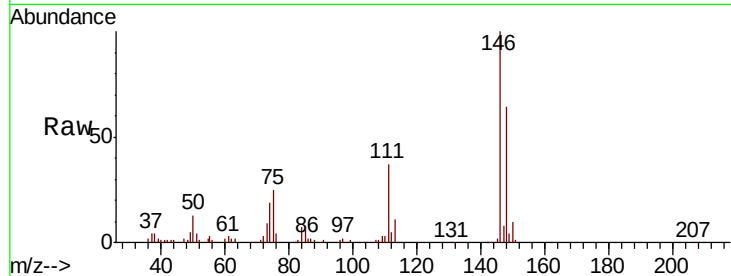




#91
 1,2-Dichlorobenzene
 Concen: 22.332 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: VD064040.D
 Acq: 24 Oct 2019 12:05

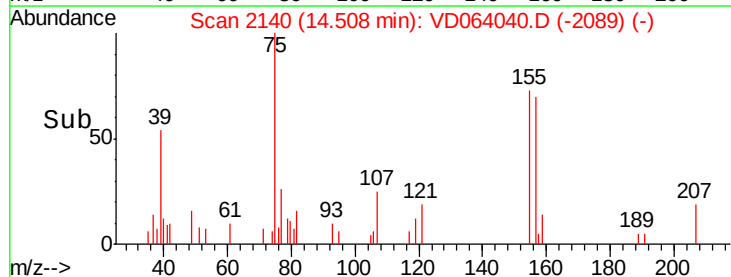
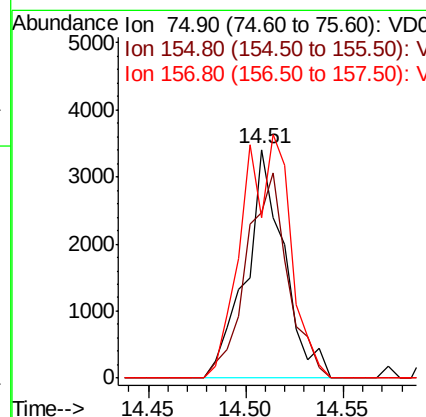
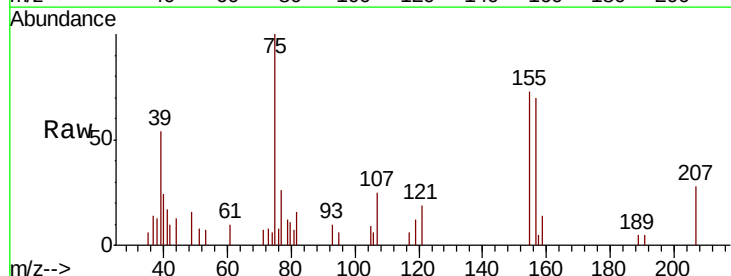
Instrument :
 MSVOA_D
 ClientSampleId :

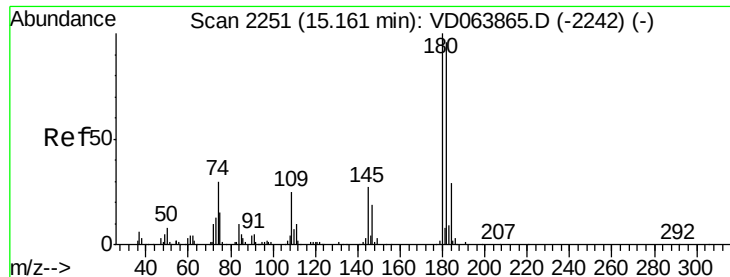
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.6	55.6
148	62.9	31.6	95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.209 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD064040.D
 Acq: 24 Oct 2019 12:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.2	43.9	131.6
157	133.5	56.0	167.9

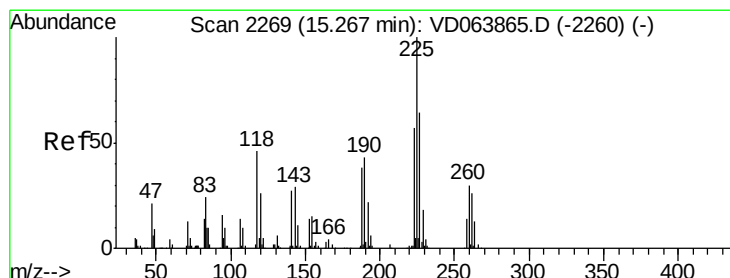
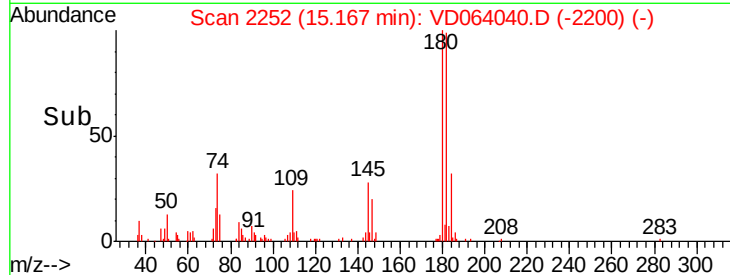
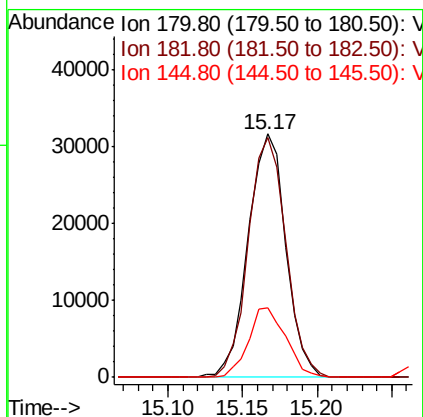
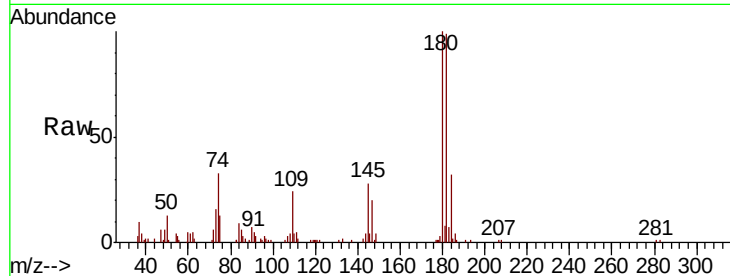




#93
 1,2,4-Trichlorobenzene
 Concen: 19.488 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD064040.D
 Acq: 24 Oct 2019 12:05

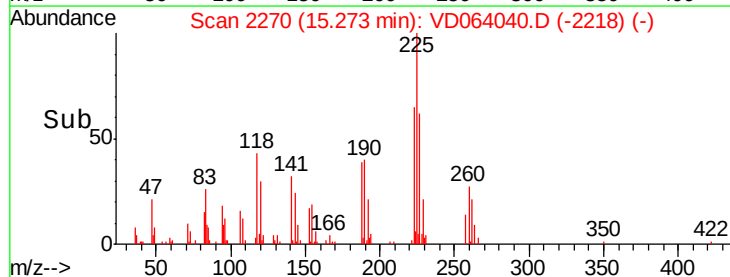
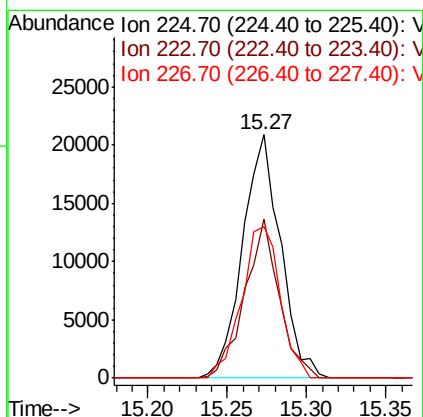
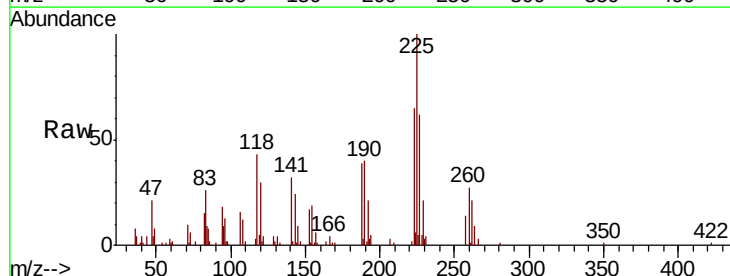
Instrument :
 MSVOA_D
 ClientSampleId :

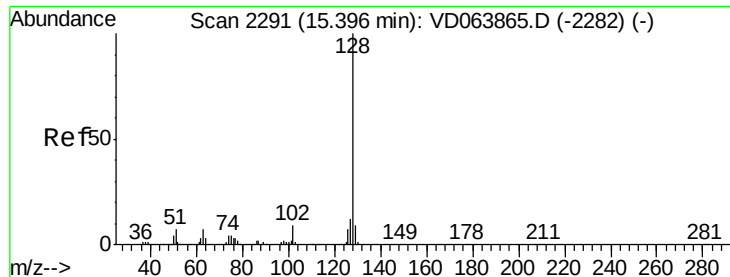
Tot Ion	Ratio	Lower	Upper
180	100		
182	98.2	47.4	142.3
145	28.5	13.9	41.7



#94
 Hexachlorobutadiene
 Concen: 22.268 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: VD064040.D
 Acq: 24 Oct 2019 12:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.4	29.5	88.6
227	63.1	30.8	92.4

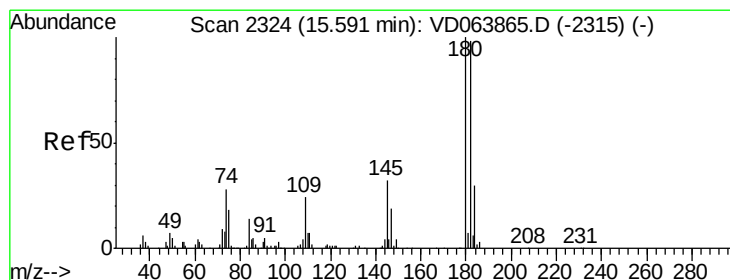
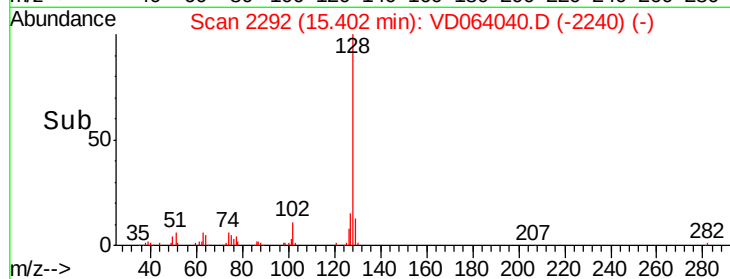
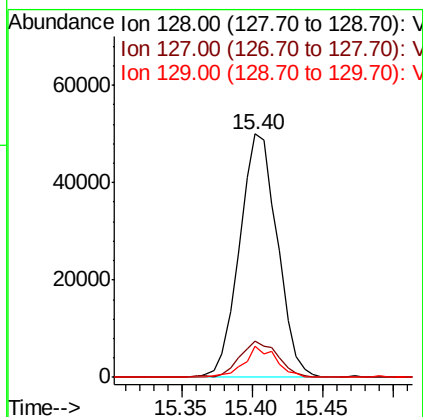
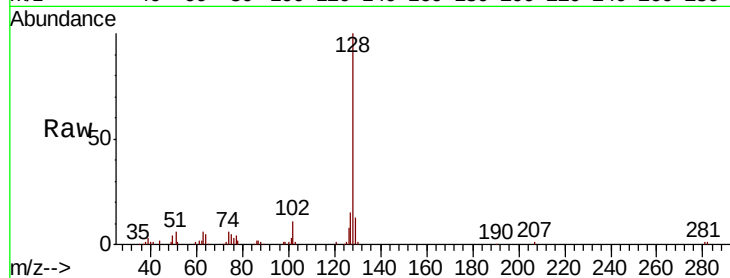




#95
Naphthalene
Concen: 19.752 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.01 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 93861
Ion Ratio Lower Upper
128 100
127 15.2 10.6 16.0
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 21.421 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.01 min
Lab File: VD064040.D
Acq: 24 Oct 2019 12:05

Tgt Ion:180 Resp: 52254
Ion Ratio Lower Upper
180 100
182 92.6 47.0 141.0
145 27.8 15.3 45.9

