

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102919\
 Data File : VD064084.D
 Acq On : 29 Oct 2019 12:42
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 30 07:36:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 07:33:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	210832	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	321122	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	300133	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	153801	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	18459	11.01	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	22.02%	
35) Dibromofluoromethane	7.92	113	20424	10.34	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	20.68%	
50) Toluene-d8	10.34	98	77973	9.87	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	19.74%	
62) 4-Bromofluorobenzene	12.64	95	25000	9.54	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	19.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	24659	11.454	ug/l	94
3) Chloromethane	2.21	50	39502	10.997	ug/l	99
4) Vinyl Chloride	2.35	62	41501	10.654	ug/l	99
5) Bromomethane	2.77	94	26195	10.319	ug/l	83
6) Chloroethane	2.93	64	26952	11.140	ug/l	92
7) Trichlorofluoromethane	3.27	101	55406	10.333	ug/l #	83
8) Diethyl Ether	3.70	74	10750	11.534	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	20394	10.554	ug/l	97
10) Methyl Iodide	4.30	142	22782	9.516	ug/l	99
11) Tert butyl alcohol	5.25	59	5180	36.649	ug/l #	71
12) 1,1-Dichloroethene	4.07	96	19807	10.830	ug/l #	84
13) Acrolein	3.93	56	4839	45.261	ug/l	86
14) Allyl chloride	4.71	41	21925	10.243	ug/l	95
15) Acrylonitrile	5.43	53	16927	49.165	ug/l #	95
16) Acetone	4.17	43	14667	45.973	ug/l	89
17) Carbon Disulfide	4.40	76	57137	10.166	ug/l	95
18) Methyl Acetate	4.72	43	8061	9.499	ug/l #	87
19) Methyl tert-butyl Ether	5.49	73	37037	9.980	ug/l	100
20) Methylene Chloride	4.96	84	25471	11.174	ug/l	88
21) trans-1,2-Dichloroethene	5.46	96	21190	10.321	ug/l	90
22) Diisopropyl ether	6.37	45	45494	9.597	ug/l #	97
23) Vinyl Acetate	6.31	43	131473	49.545	ug/l	93
24) 1,1-Dichloroethane	6.27	63	31557	9.858	ug/l #	96
25) 2-Butanone	7.23	43	21613	49.003	ug/l	96
26) 2,2-Dichloropropane	7.21	77	31809	10.469	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	22366	9.736	ug/l	99
28) Bromochloromethane	7.55	49	9264	7.933	ug/l #	96
29) Tetrahydrofuran	7.57	42	12452	48.375	ug/l #	92
30) Chloroform	7.72	83	39448	10.769	ug/l	95
31) Cyclohexane	7.98	56	33615	10.778	ug/l #	88
32) 1,1,1-Trichloroethane	7.91	97	34916	10.240	ug/l	98
36) 1,1-Dichloropropene	8.12	75	28773	9.562	ug/l	97
37) Ethyl Acetate	7.30	43	8210	8.864	ug/l #	94
38) Carbon Tetrachloride	8.10	117	32475	9.892	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	35629	9.646	ug/l	93
40) Benzene	8.35	78	77681	9.467	ug/l	100
41) Methacrylonitrile	7.57	41	13491	21.465	ug/l #	31
42) 1,2-Dichloroethane	8.43	62	20955	9.668	ug/l	88
43) Isopropyl Acetate	8.46	43	18343	9.800	ug/l #	59
44) Trichloroethene	9.11	130	24831	9.984	ug/l	96
45) 1,2-Dichloropropane	9.38	63	19129	10.059	ug/l	98
46) Dibromomethane	9.47	93	11792	10.296	ug/l	90
47) Bromodichloromethane	9.66	83	28556	9.883	ug/l #	84
48) Methyl methacrylate	9.46	41	7506	8.672	ug/l #	85
49) 1,4-Dioxane	9.46	88	2427	185.131	ug/l #	88
51) 4-Methyl-2-Pentanone	10.24	43	47080	46.203	ug/l	99
52) Toluene	10.40	92	55435	9.640	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	24554	9.104	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	29048	9.154	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	15969	9.835	ug/l	96
56) Ethyl methacrylate	10.67	69	14552	8.253	ug/l	92
57) 1,3-Dichloropropane	10.95	76	25439	9.473	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	31208	43.870	ug/l	98
59) 2-Hexanone	10.98	43	32276	44.445	ug/l	97
60) Dibromochloromethane	11.14	129	22001	9.983	ug/l	99
61) 1,2-Dibromoethane	11.25	107	15976	9.837	ug/l	98
64) Tetrachloroethene	10.88	164	21710	10.069	ug/l	88
65) Chlorobenzene	11.67	112	60687	9.786	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	23462	10.111	ug/l	98
67) Ethyl Benzene	11.75	91	107022	9.703	ug/l	91
68) m/p-Xylenes	11.85	106	85093	19.180	ug/l	98
69) o-Xylene	12.18	106	38687	9.555	ug/l	97
70) Styrene	12.20	104	66605	9.538	ug/l	96
71) Bromoform	12.37	173	12474	10.066	ug/l #	98
73) Isopropylbenzene	12.48	105	107370	10.046	ug/l	98
74) N-amyl acetate	12.30	43	16306	9.184	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	17721	10.519	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	21409	11.219	ug/l #	100
77) Bromobenzene	12.77	156	27066	10.489	ug/l	98
78) n-propylbenzene	12.83	91	121983	9.739	ug/l	99
79) 2-Chlorotoluene	12.91	91	68078	10.140	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	86994	9.726	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	4327	8.551	ug/l #	79
82) 4-Chlorotoluene	13.01	91	71096	9.910	ug/l	99
83) tert-Butylbenzene	13.23	119	81944	10.200	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	87658	9.755	ug/l	97
85) sec-Butylbenzene	13.41	105	107602	9.753	ug/l	98
86) p-Isopropyltoluene	13.52	119	101712	9.812	ug/l	97
87) 1,3-Dichlorobenzene	13.52	146	51115	9.885	ug/l	96
88) 1,4-Dichlorobenzene	13.60	146	51405	10.084	ug/l	97
89) n-Butylbenzene	13.85	91	90650	9.481	ug/l	97
90) Hexachloroethane	14.12	117	18737	9.654	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	44886	10.086	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	2599	10.564	ug/l	92

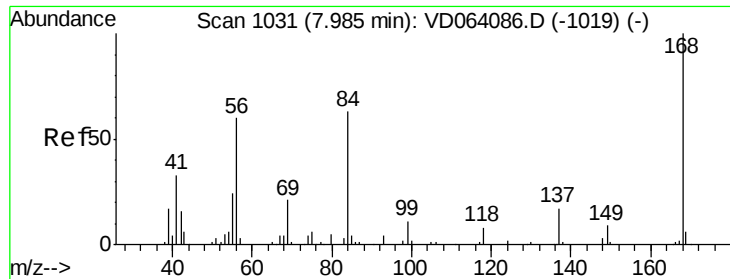
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102919\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	32851	10.269	ug/l	98
94) Hexachlorobutadiene	15.27	225	18795	10.053	ug/l	97
95) Naphthalene	15.40	128	50077	9.598	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	29435	10.623	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: VD064084.D

Acq: 29 Oct 2019 12:42

Instrument :

MSVOA_D

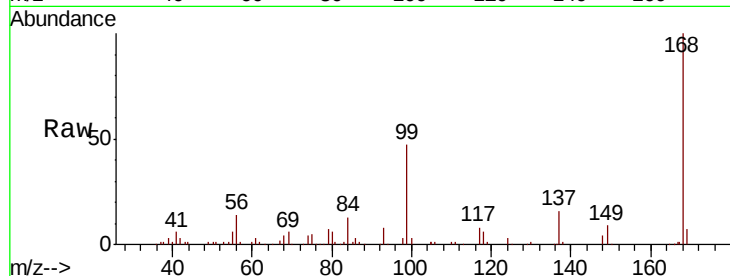
ClientSampleId :

Tot Ion:168 Resp: 210832

Ion Ratio Lower Upper

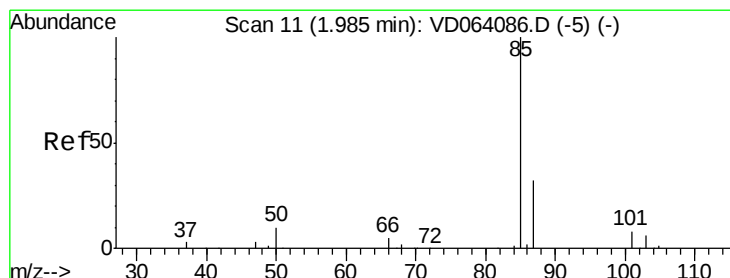
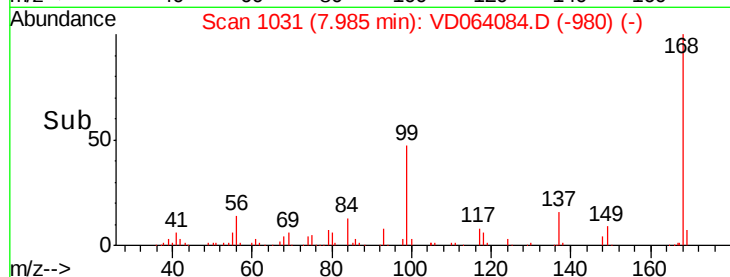
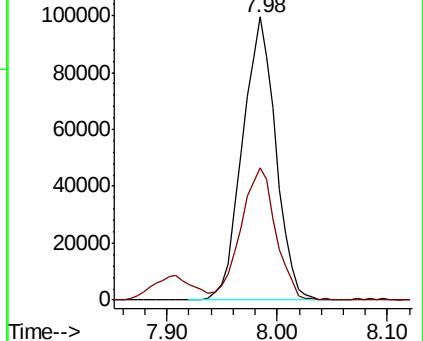
168 100

99 46.9 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 11.454 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD064084.D

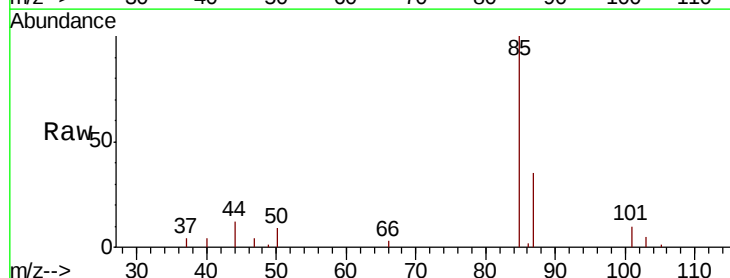
Acq: 29 Oct 2019 12:42

Tgt Ion: 85 Resp: 24659

Ion Ratio Lower Upper

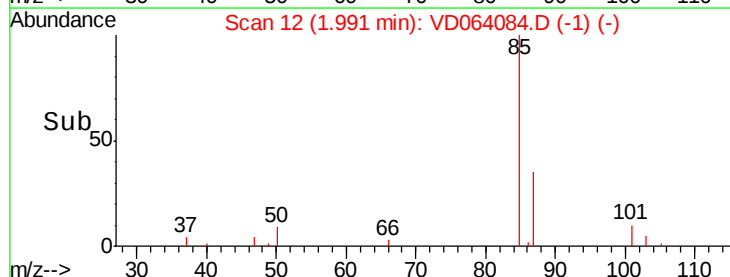
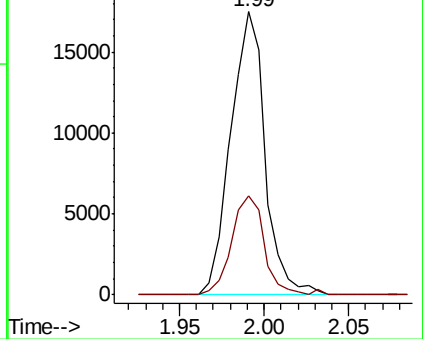
85 100

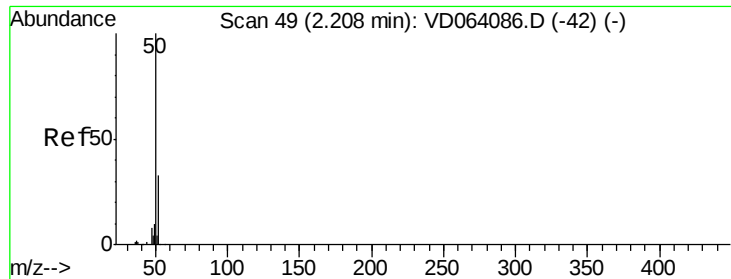
87 34.9 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

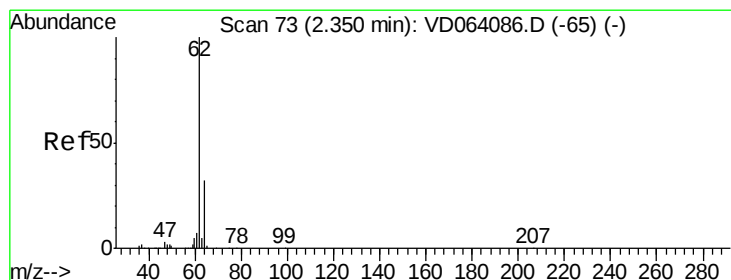
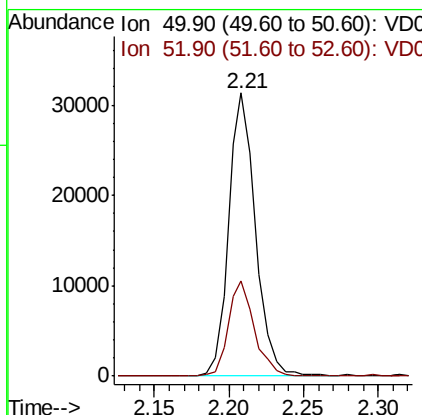
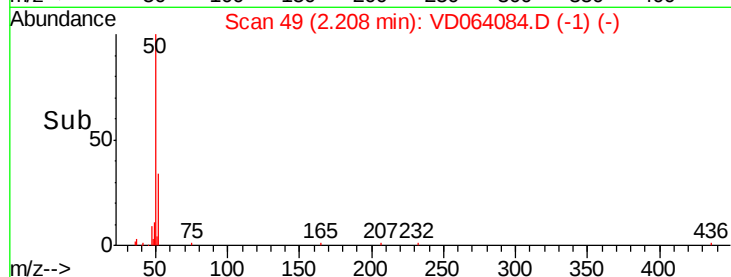
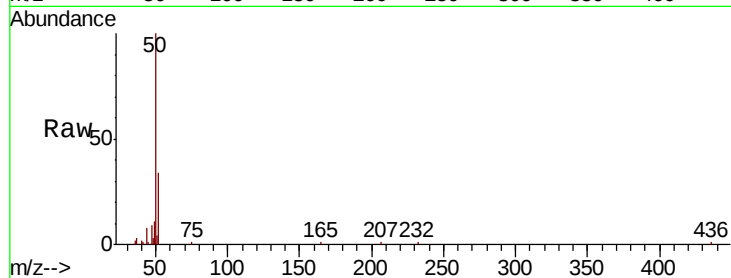




#3
Chloromethane
Concen: 10.997 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

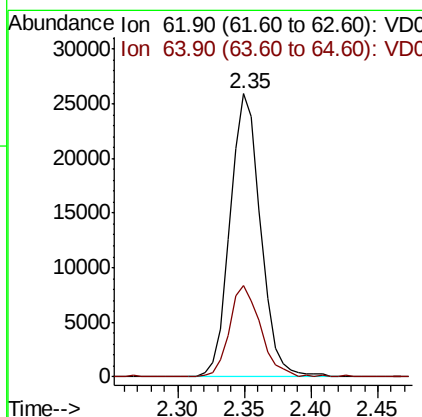
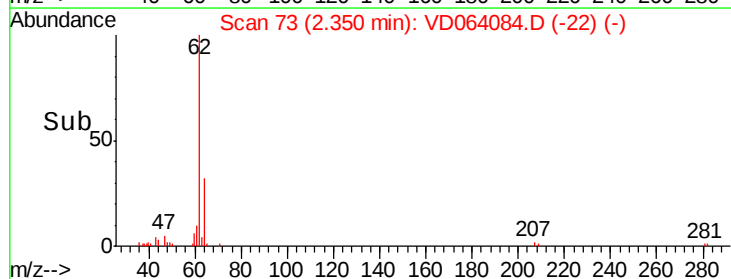
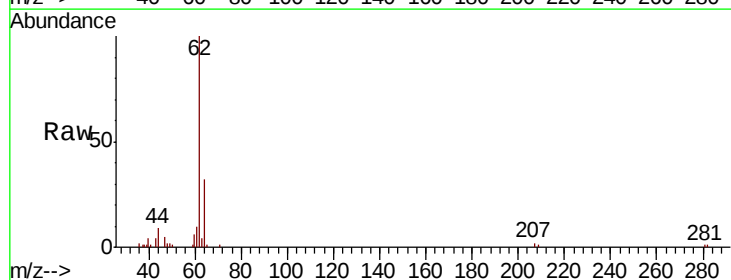
Instrument :
MSVOA_D
ClientSampleId :

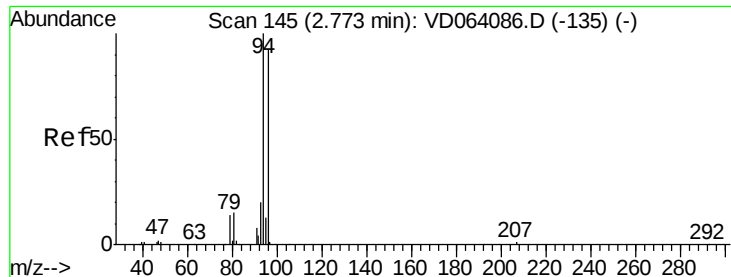
Tot Ion: 50 Resp: 39502
Ion Ratio Lower Upper
50 100
52 33.8 26.5 39.7



#4
Vinyl Chloride
Concen: 10.654 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.00 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Tgt Ion: 62 Resp: 41501
Ion Ratio Lower Upper
62 100
64 32.4 25.6 38.4





#5

Bromomethane

Concen: 10.319 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

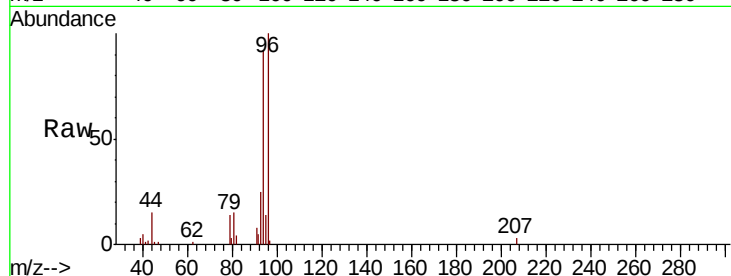
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 94 Resp: 26195

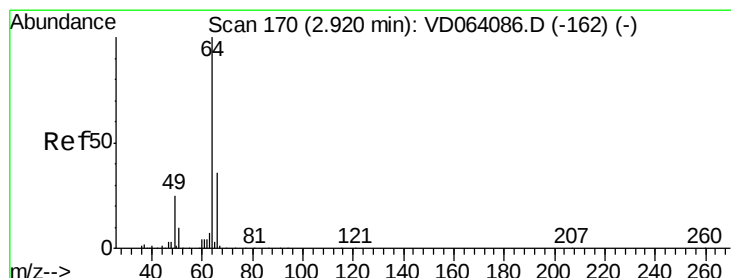
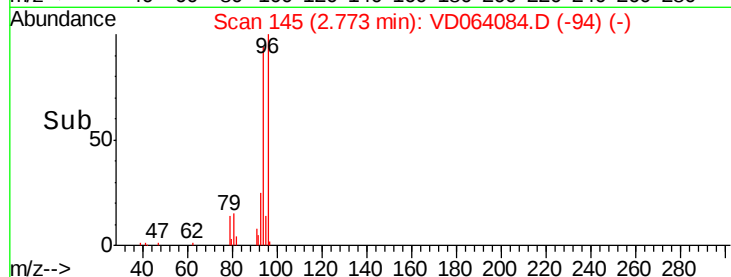
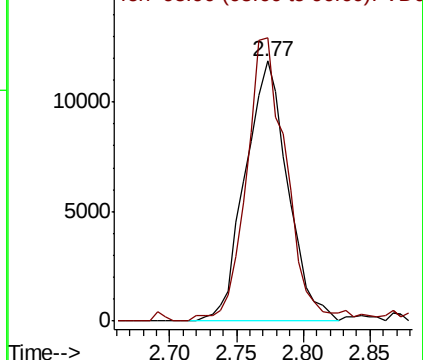
Ion Ratio Lower Upper

94 100

96 108.8 73.9 110.9



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



#6

Chloroethane

Concen: 11.140 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064084.D

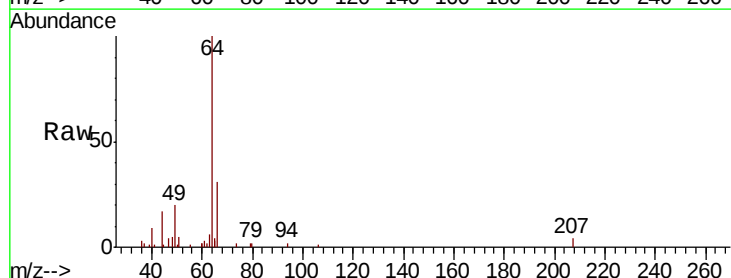
Acq: 29 Oct 2019 12:42

Tgt Ion: 64 Resp: 26952

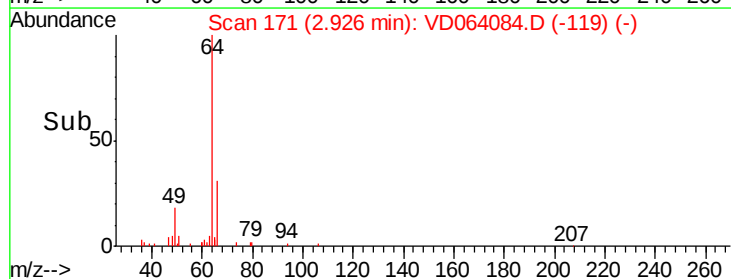
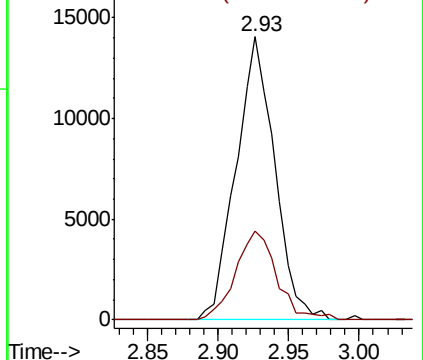
Ion Ratio Lower Upper

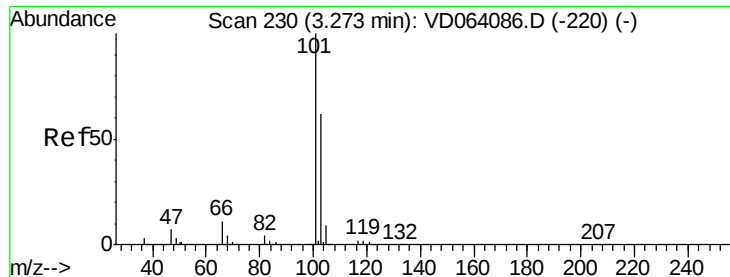
64 100

66 31.3 28.7 43.1



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



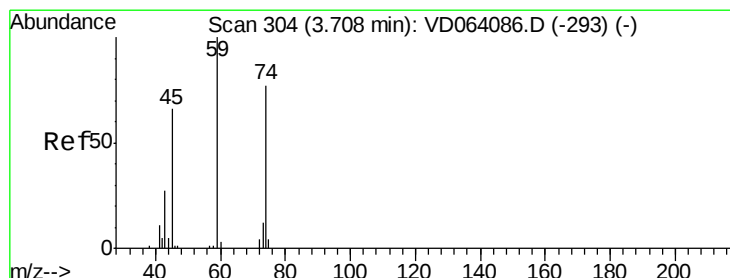
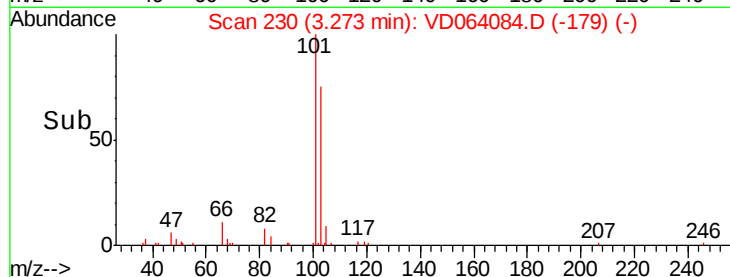
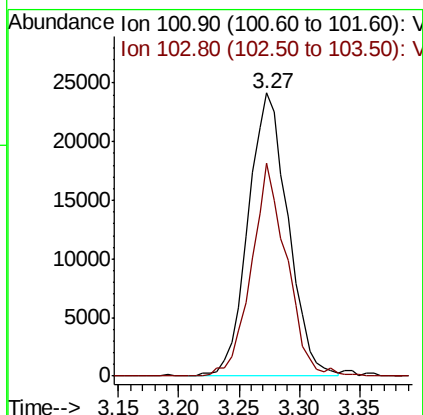
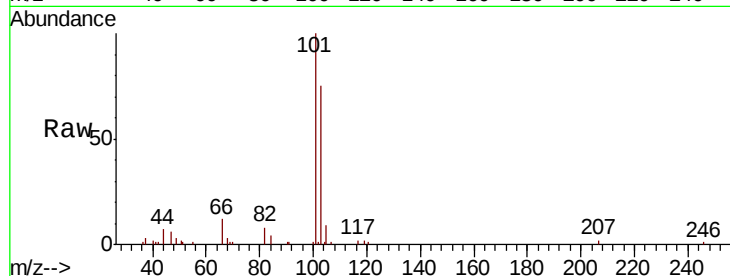


#7

Trichlorofluoromethane
 Concen: 10.333 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD064084.D
 Acq: 29 Oct 2019 12:42

Instrument :
 MSVOA_D
 ClientSampleId :

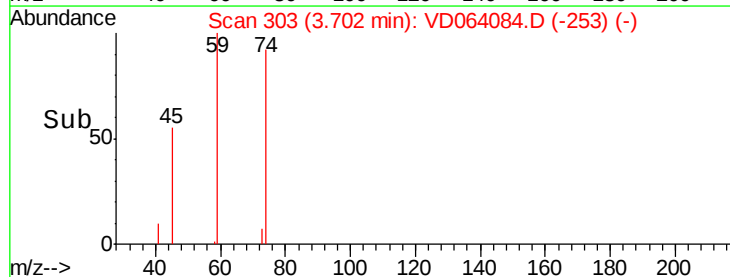
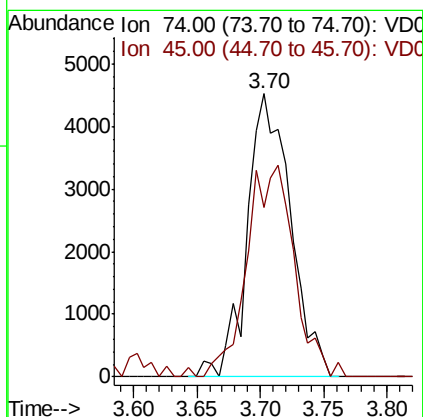
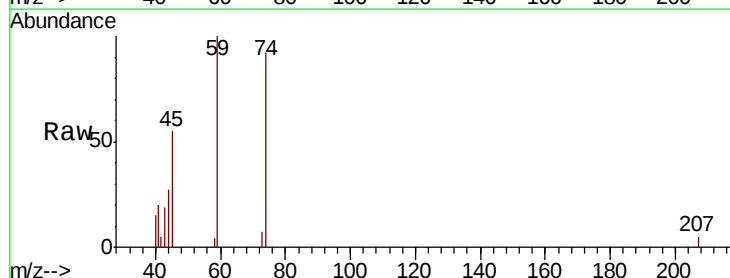
Tot Ion:101 Resp: 55406
 Ion Ratio Lower Upper
 101 100
 103 75.4 49.6 74.4#

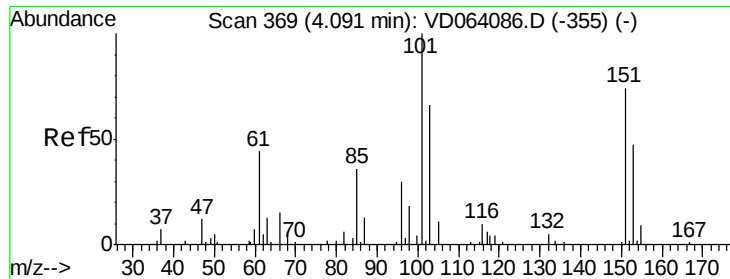


#8

Diethyl Ether
 Concen: 11.534 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064084.D
 Acq: 29 Oct 2019 12:42

Tgt Ion: 74 Resp: 10750
 Ion Ratio Lower Upper
 74 100
 45 81.3 44.1 132.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.554 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

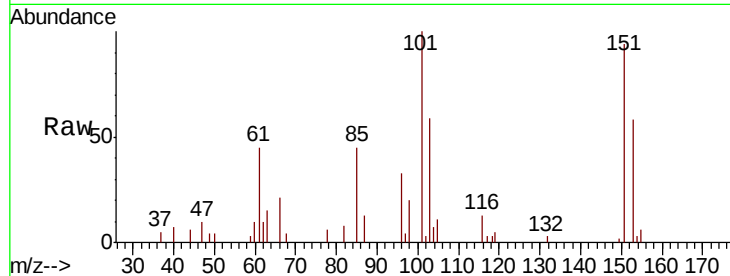
Tot Ion:101 Resp: 20394

Ion Ratio Lower Upper

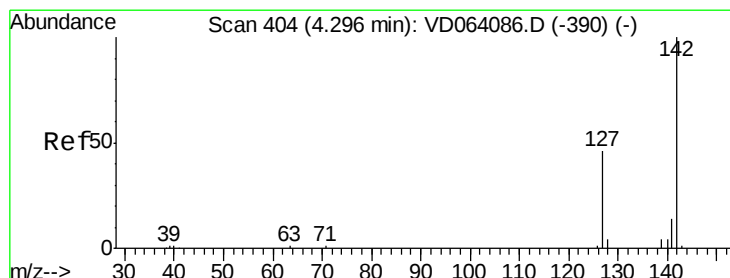
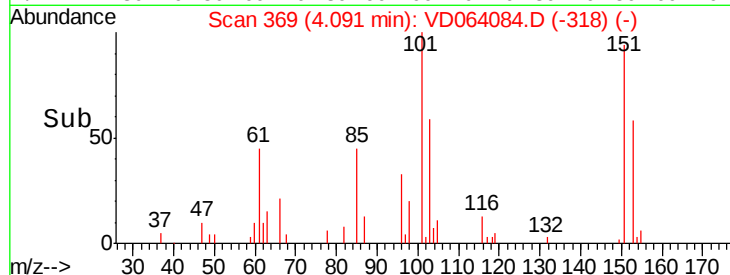
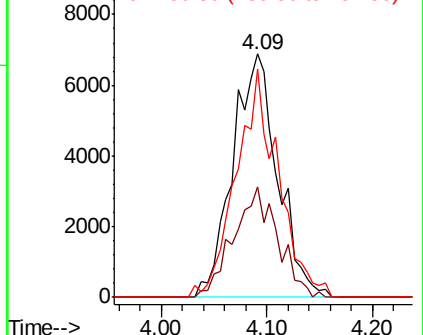
101 100

85 44.3 35.3 52.9

151 87.1 67.0 100.6



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 9.516 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

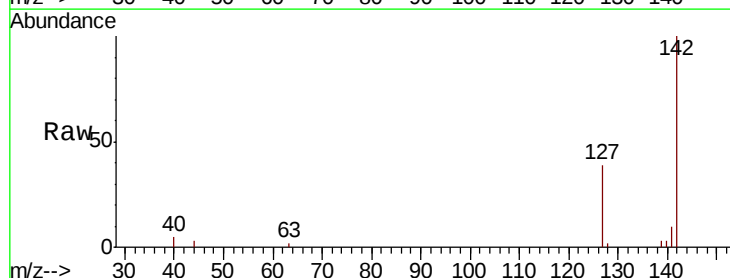
Tgt Ion:142 Resp: 22782

Ion Ratio Lower Upper

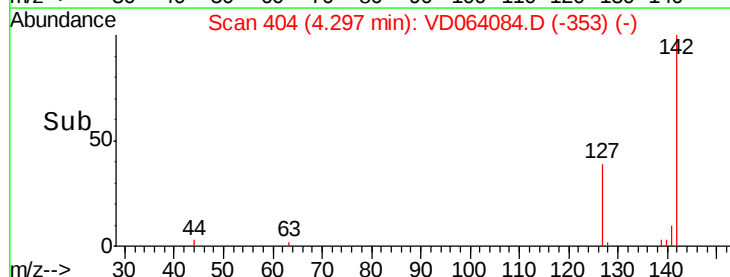
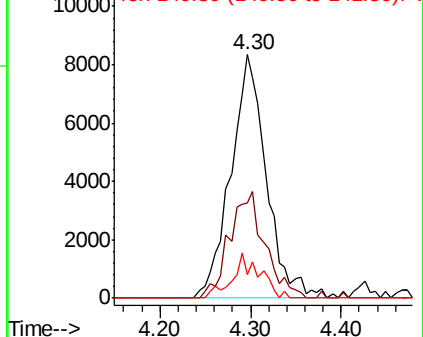
142 100

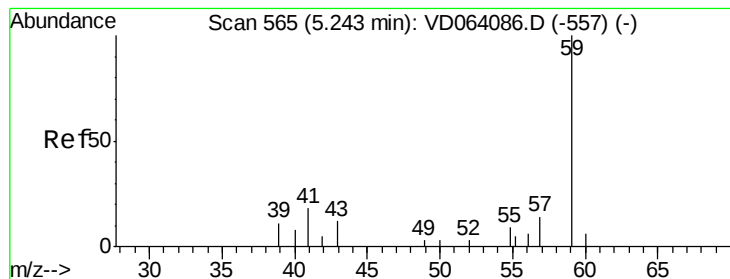
127 43.5 35.1 52.7

141 14.1 11.6 17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



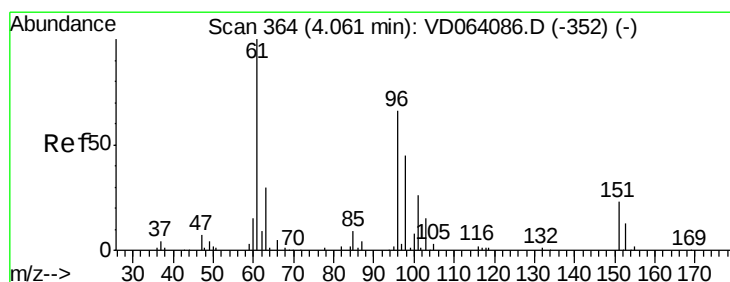
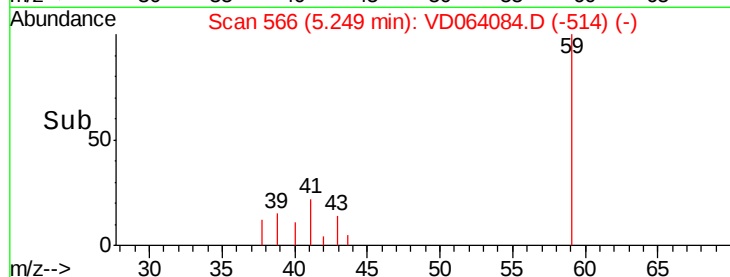
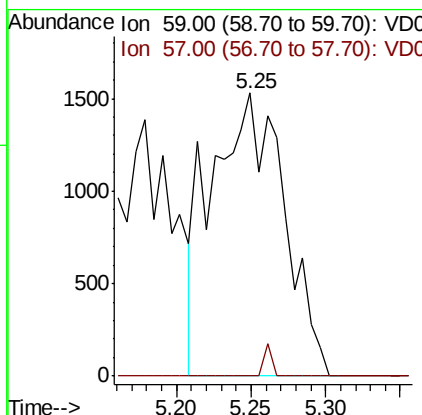
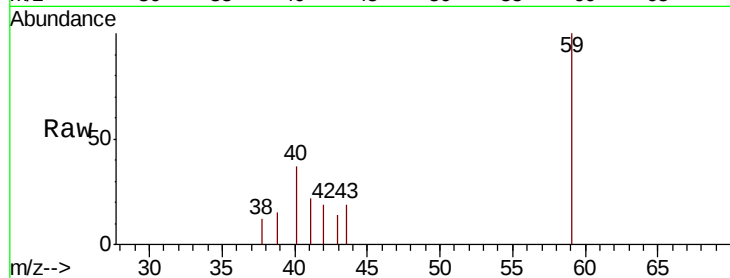


#11

Tert butyl alcohol
 Concen: 36.649 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD064084.D
 Acq: 29 Oct 2019 12:42

Instrument :
 MSVOA_D
 ClientSampleId :

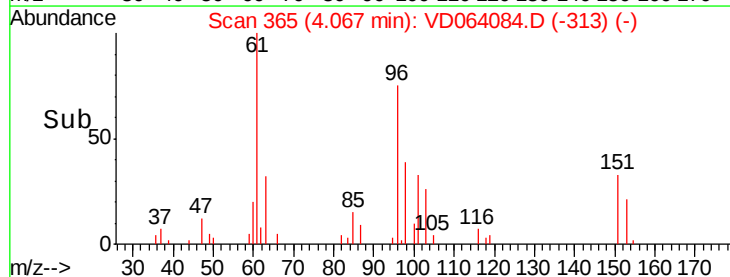
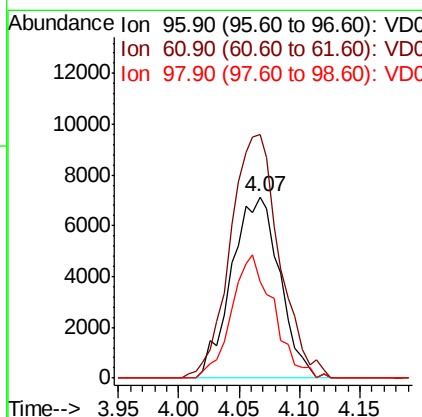
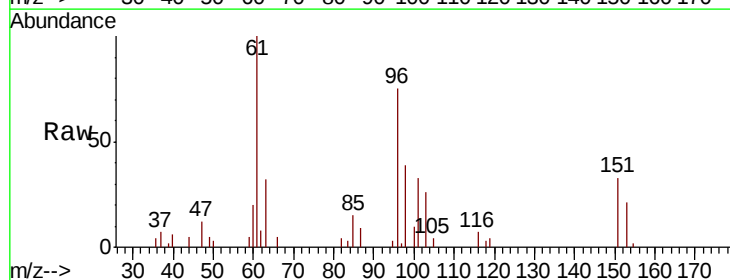
Tot Ion: 59 Resp: 5180
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.7 13.1#

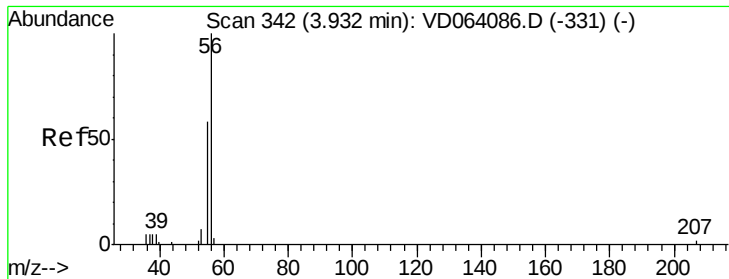


#12

1,1-Dichloroethene
 Concen: 10.830 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VD064084.D
 Acq: 29 Oct 2019 12:42

Tgt Ion: 96 Resp: 19807
 Ion Ratio Lower Upper
 96 100
 61 134.2 121.8 182.6
 98 52.8 55.4 83.0#





#13

Acrolein

Concen: 45.261 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.00 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

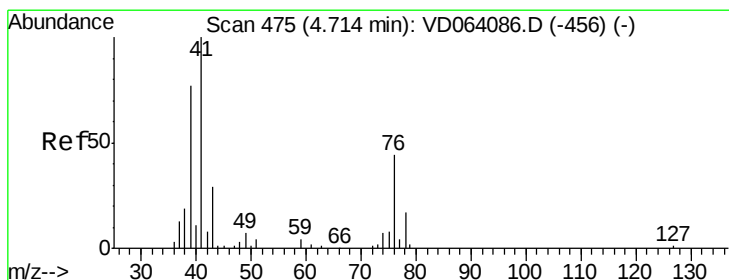
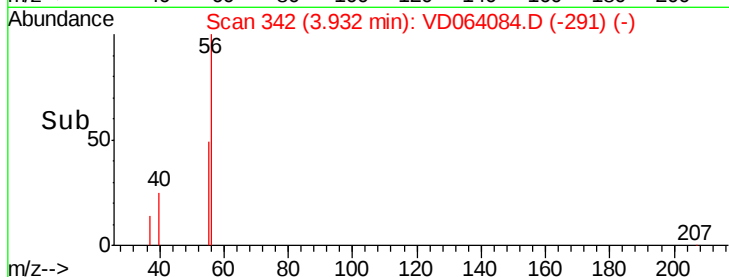
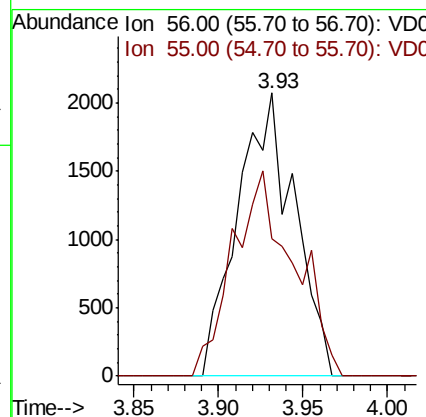
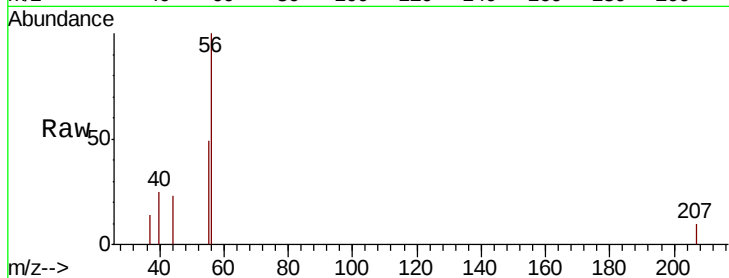
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 4839

Ion Ratio Lower Upper

56 100

55 78.4 53.8 80.6



#14

Allyl chloride

Concen: 10.243 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

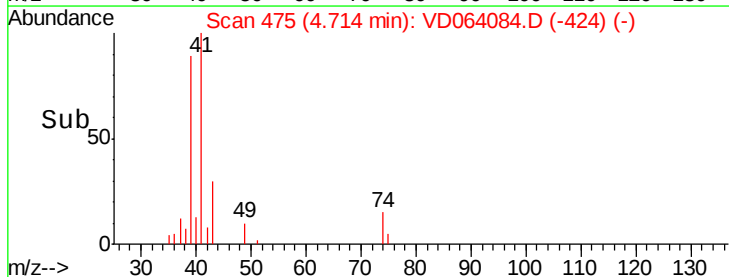
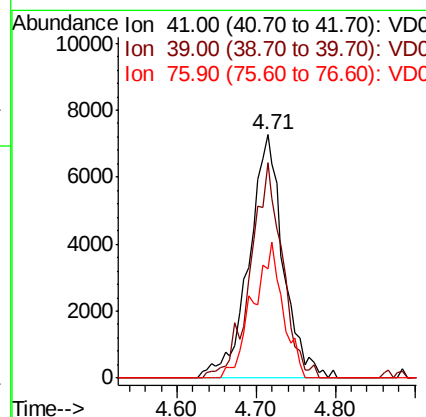
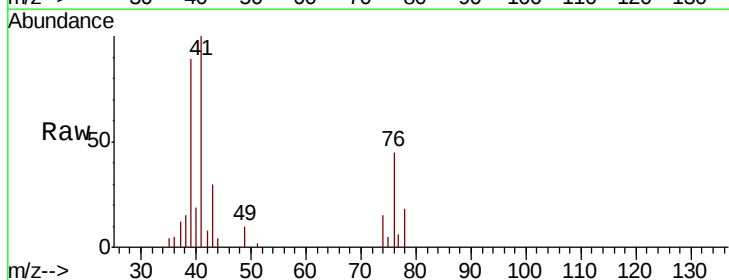
Tgt Ion: 41 Resp: 21925

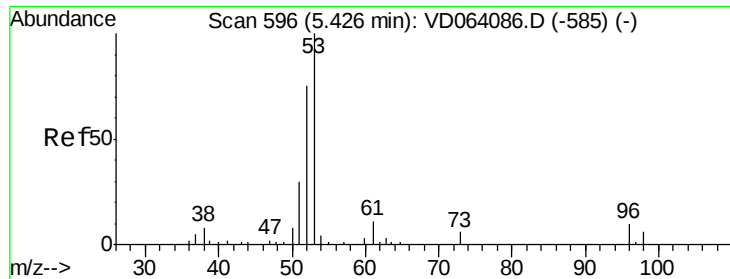
Ion Ratio Lower Upper

41 100

39 82.0 61.5 92.3

76 48.4 36.2 54.4





#15

Acrylonitrile

Concen: 49.165 ug/l

RT: 5.43 min Scan# 597

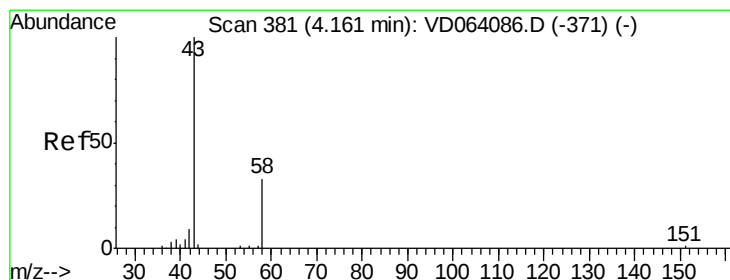
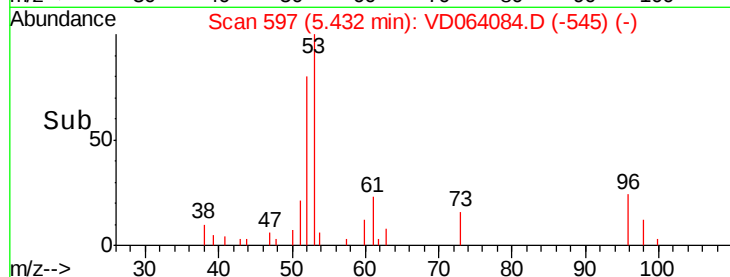
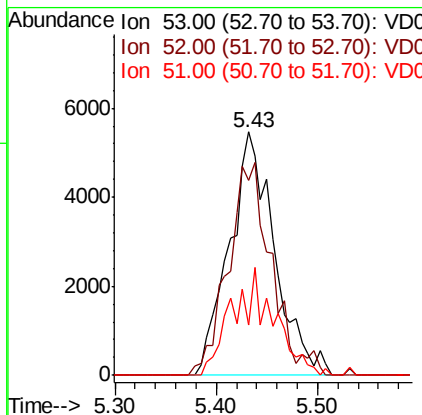
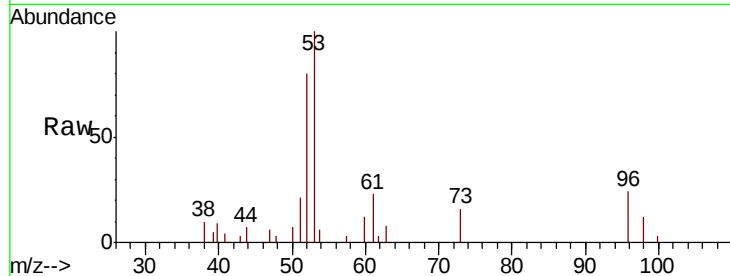
Delta R.T. 0.01 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	53	Resp:	16927
Ion	Ratio	Lower	Upper
53	100		
52	80.8	66.2	99.4
51	29.0	29.0	43.6#



#16

Acetone

Concen: 45.973 ug/l

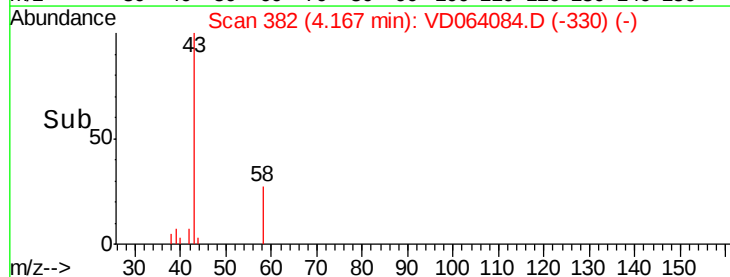
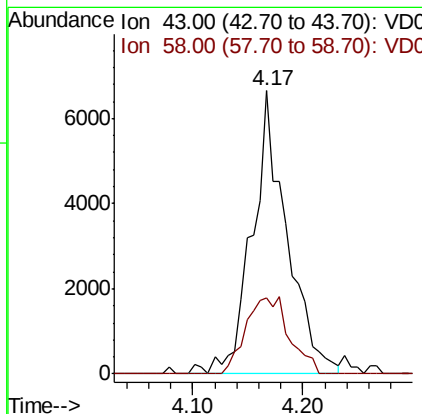
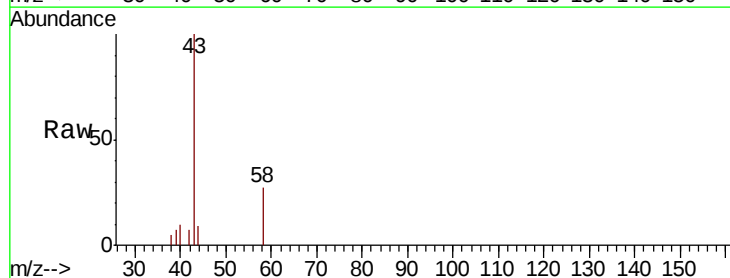
RT: 4.17 min Scan# 382

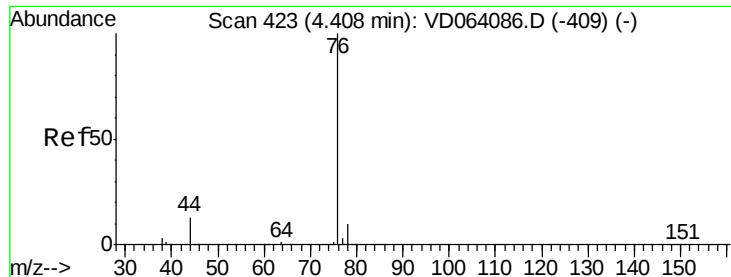
Delta R.T. 0.01 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

Tgt Ion:	43	Resp:	14667
Ion	Ratio	Lower	Upper
43	100		
58	26.9	26.3	39.5

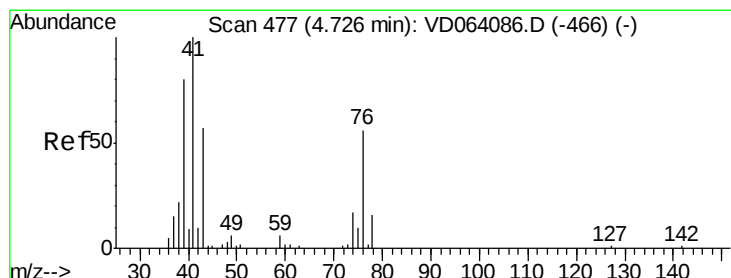
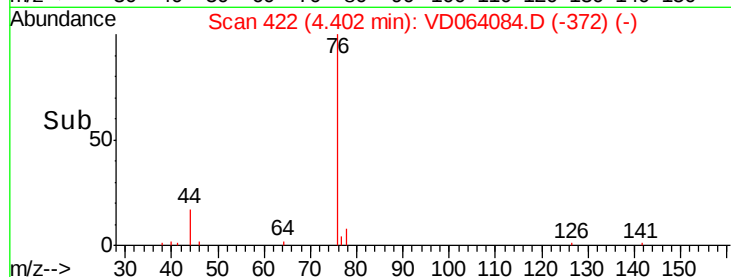
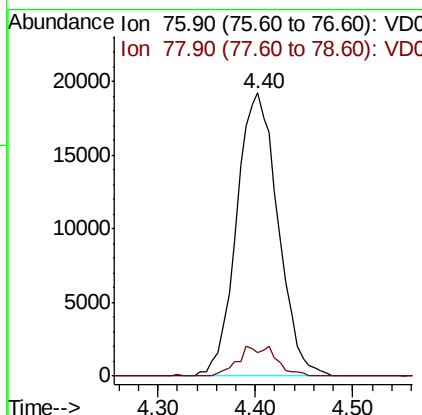
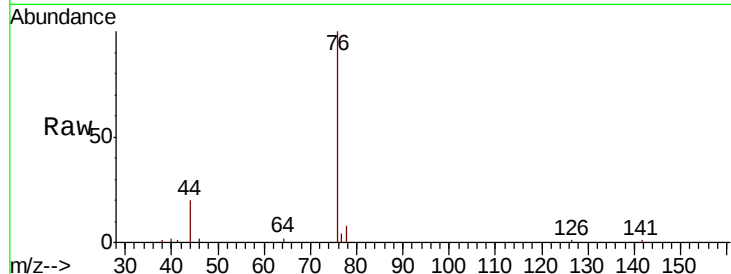




#17
Carbon Disulfide
Concen: 10.166 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

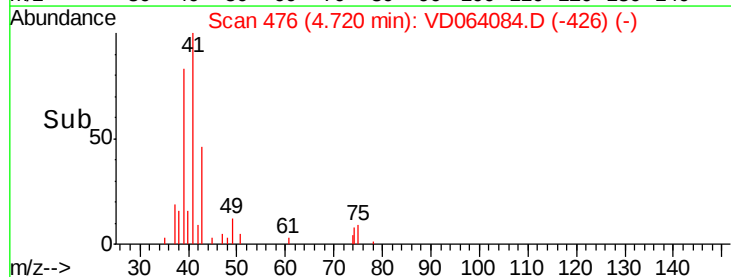
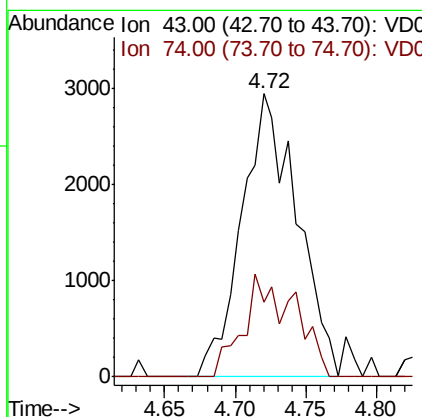
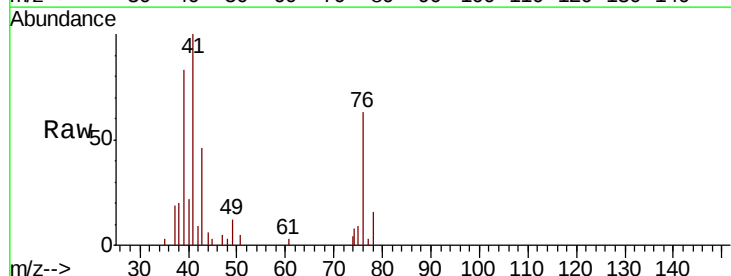
Instrument :
MSVOA_D
ClientSampleId :

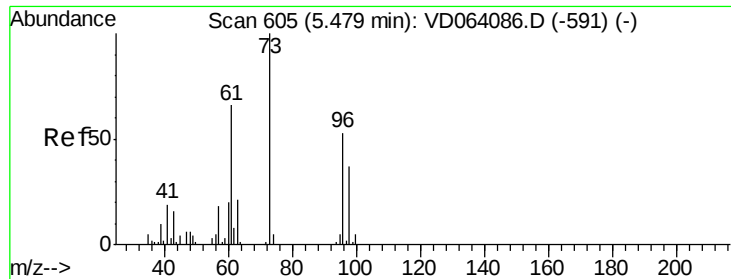
Tot Ion: 76 Resp: 57137
Ion Ratio Lower Upper
76 100
78 8.3 8.1 12.1



#18
Methyl Acetate
Concen: 9.499 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Tgt Ion: 43 Resp: 8061
Ion Ratio Lower Upper
43 100
74 21.1 22.2 33.4#

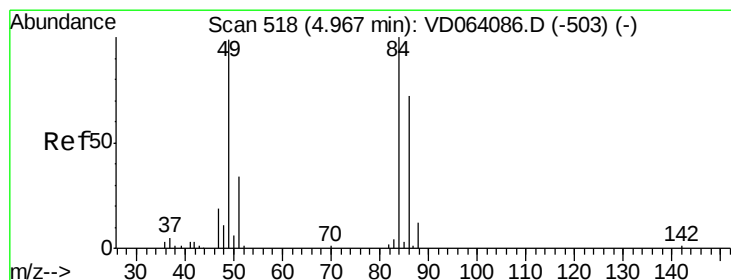
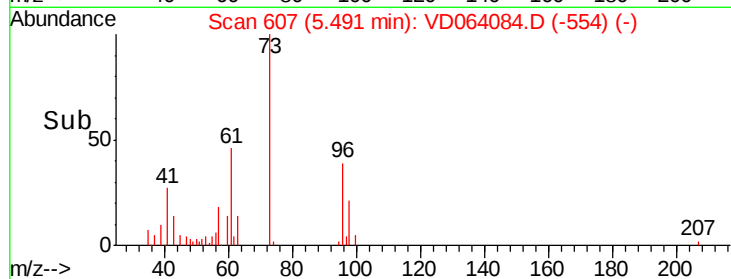
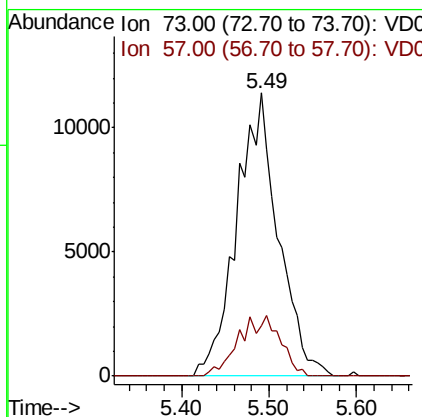
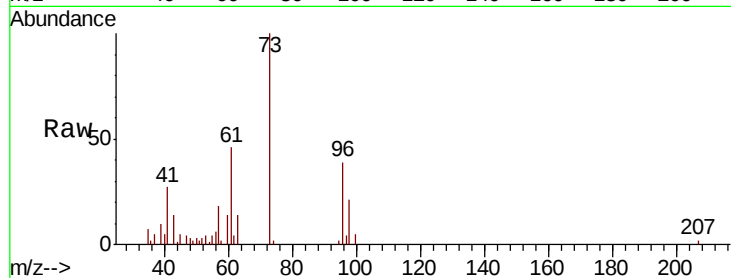




#19
Methyl tert-butyl Ether
Concen: 9.980 ug/l
RT: 5.49 min Scan# 607
Delta R.T. 0.01 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

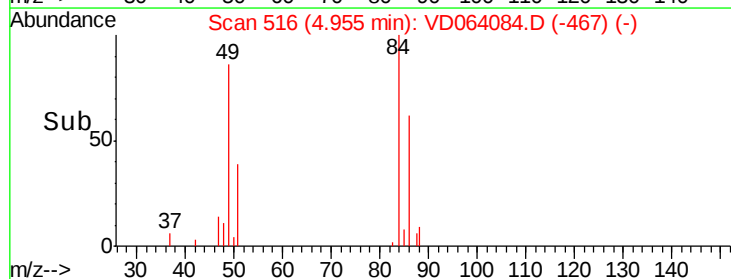
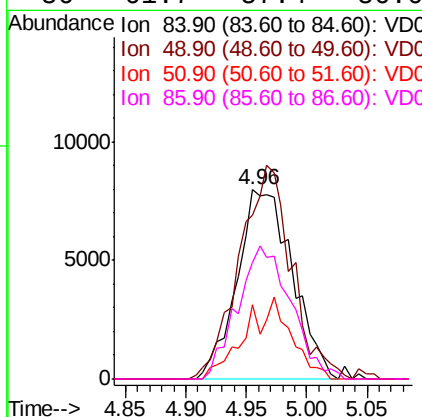
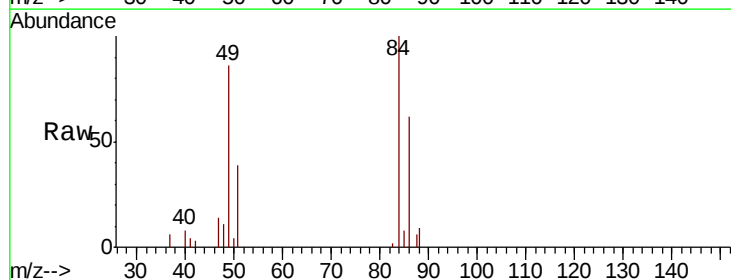
Instrument :
MSVOA_D
ClientSampleId :

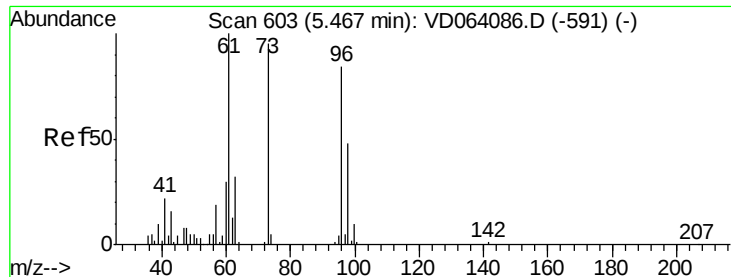
Tot Ion: 73 Resp: 37037
Ion Ratio Lower Upper
73 100
57 17.8 14.3 21.5



#20
Methylene Chloride
Concen: 11.174 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Tgt Ion: 84 Resp: 25471
Ion Ratio Lower Upper
84 100
49 86.3 79.4 119.0
51 39.2 27.4 41.2
86 61.7 57.4 86.0

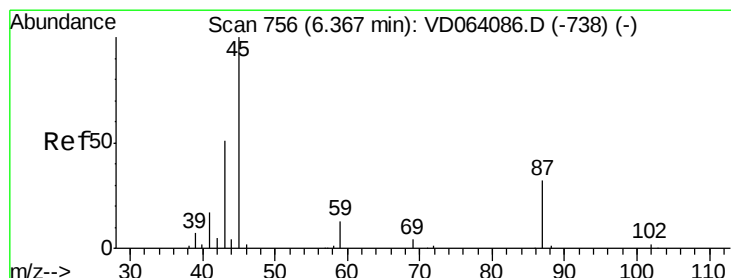
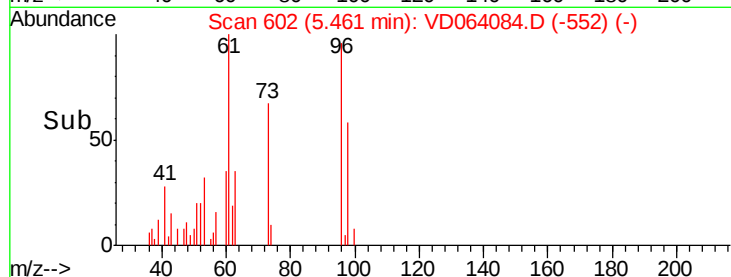
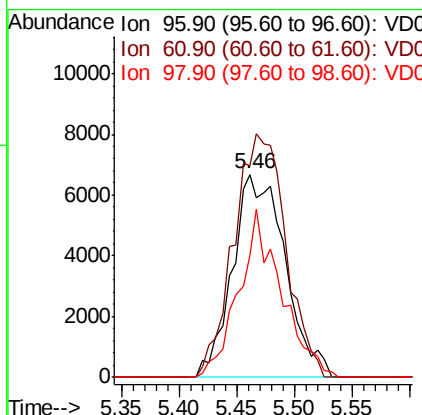
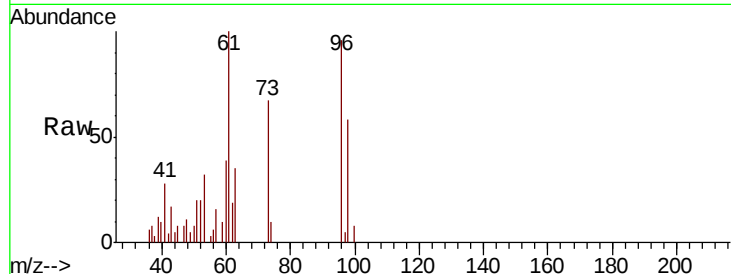




#21
trans-1,2-Dichloroethene
Concen: 10.321 ug/l
RT: 5.46 min Scan# 602
Delta R.T. -0.01 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

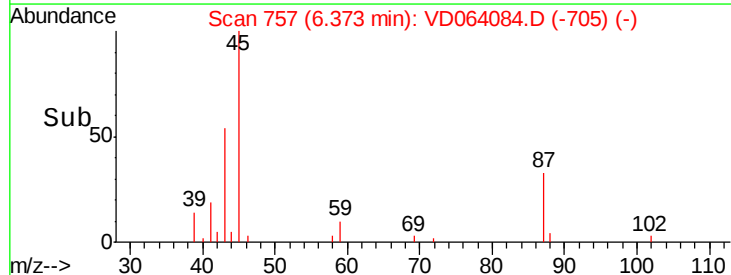
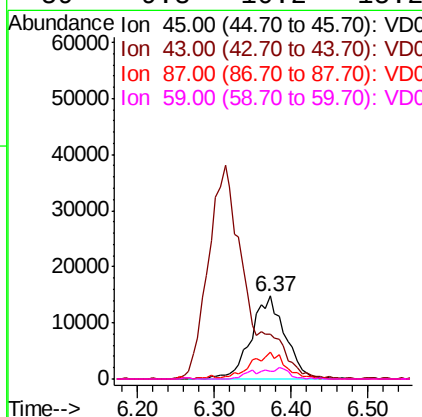
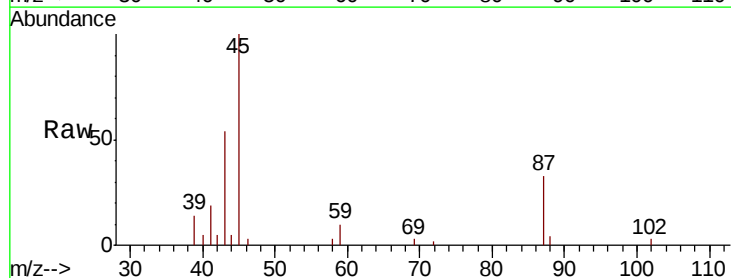
Instrument :
MSVOA_D
ClientSampleId :

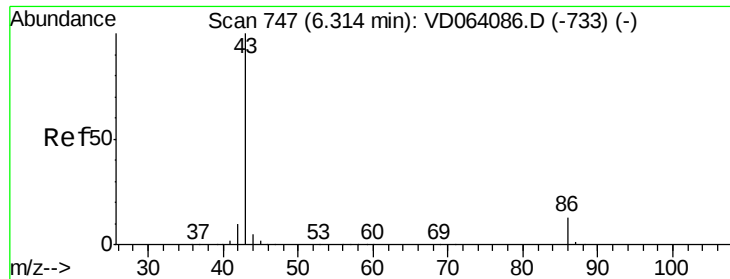
Tot Ion: 96 Resp: 21190
Ion Ratio Lower Upper
96 100
61 104.3 95.0 142.6
98 60.3 45.8 68.8



#22
Diisopropyl ether
Concen: 9.597 ug/l
RT: 6.37 min Scan# 757
Delta R.T. 0.01 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Tgt Ion: 45 Resp: 45494
Ion Ratio Lower Upper
45 100
43 52.7 44.3 66.5
87 33.2 26.6 39.8
59 9.8 10.2 15.2#





#23

Vinyl Acetate

Concen: 49.545 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

Instrument :

MSVOA_D

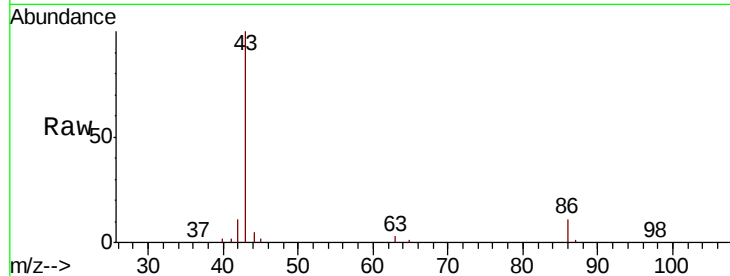
ClientSampleId :

Tot Ion: 43 Resp: 131473

Ion Ratio Lower Upper

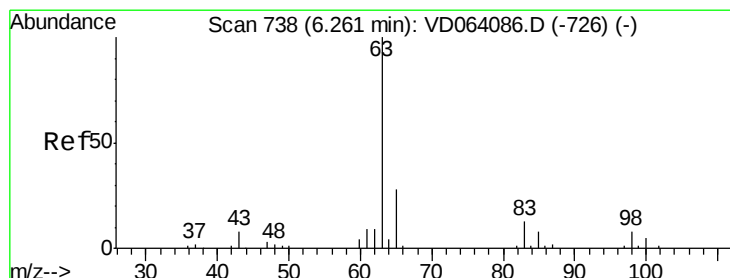
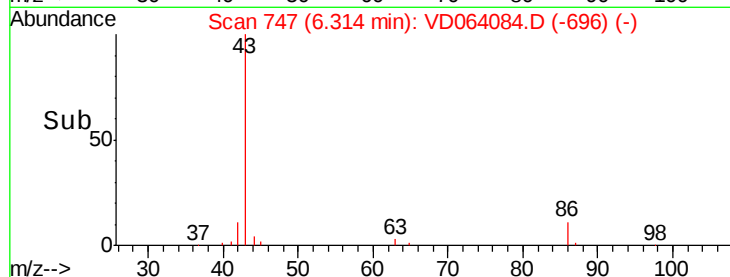
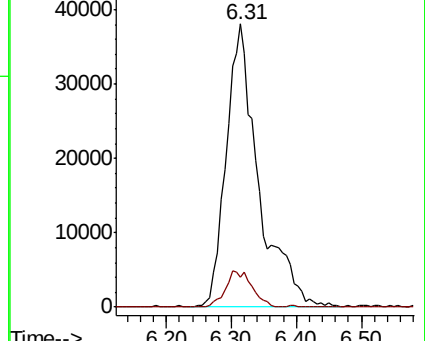
43 100

86 10.7 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 9.858 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

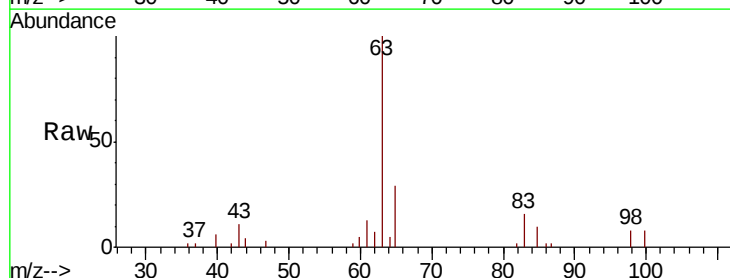
Tgt Ion: 63 Resp: 31557

Ion Ratio Lower Upper

63 100

98 7.5 4.0 11.9

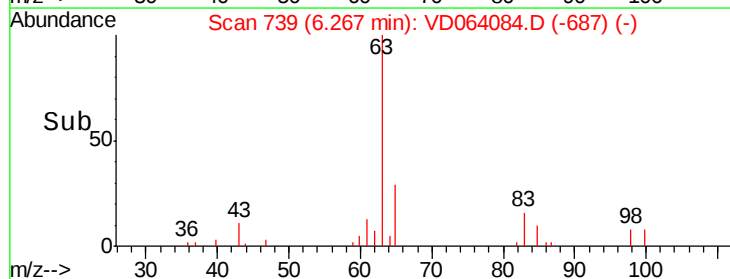
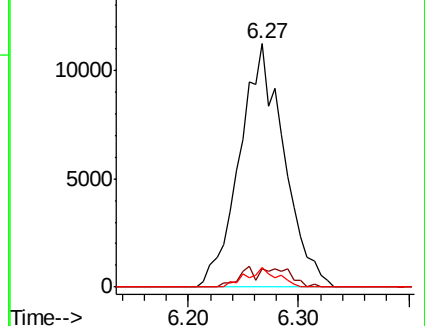
100 8.1 2.6 7.8#

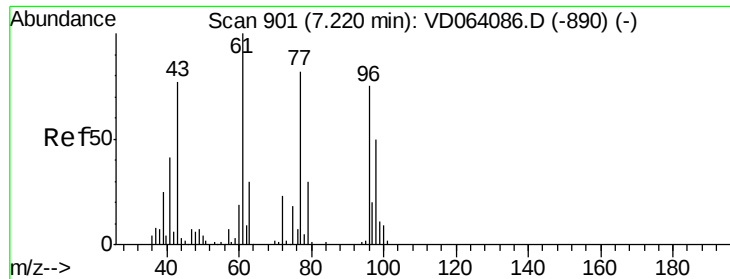


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 49.003 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

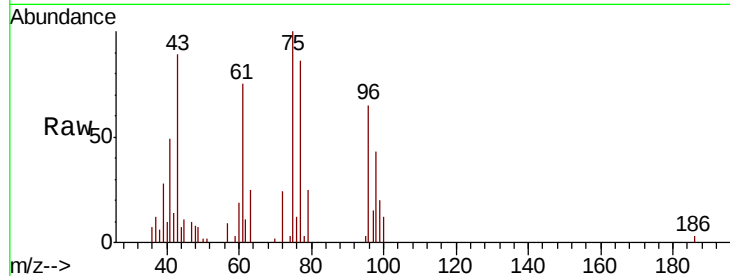
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 21613

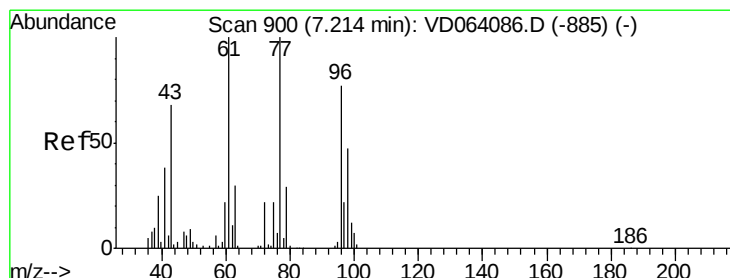
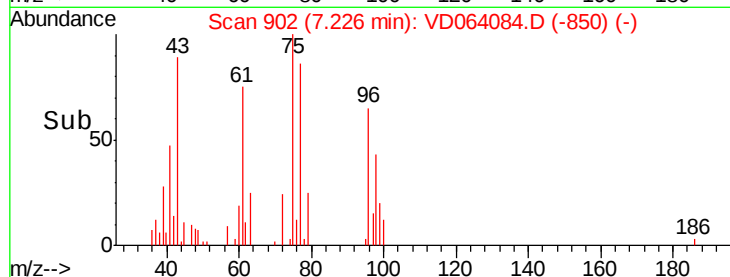
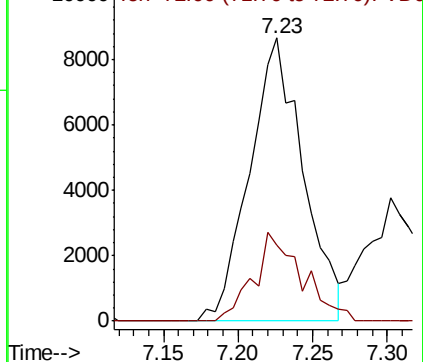
Ion Ratio Lower Upper

43 100

72 26.8 23.4 35.0



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 10.469 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064084.D

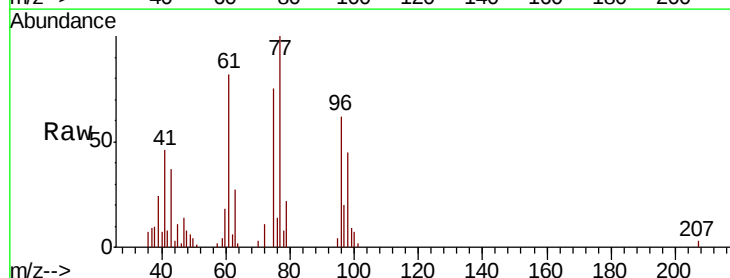
Acq: 29 Oct 2019 12:42

Tgt Ion: 77 Resp: 31809

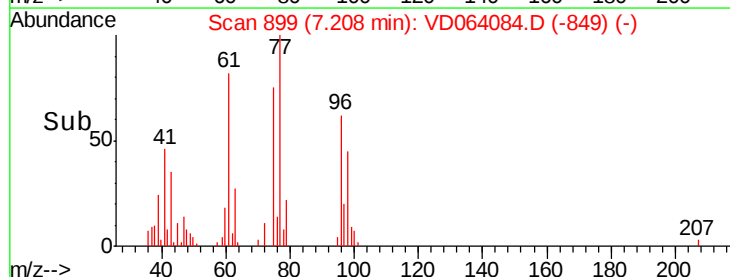
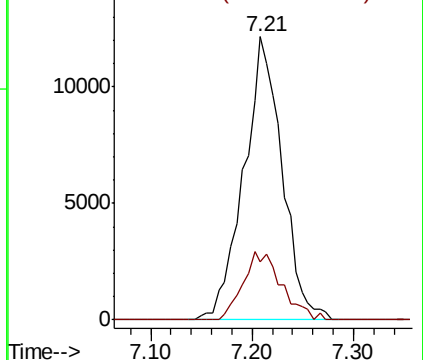
Ion Ratio Lower Upper

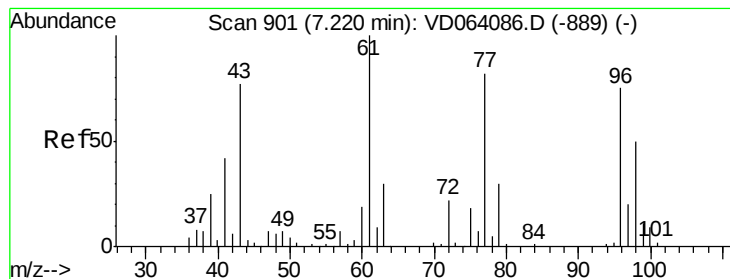
77 100

97 24.1 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VDC
Ion 96.90 (96.60 to 97.60): VDC



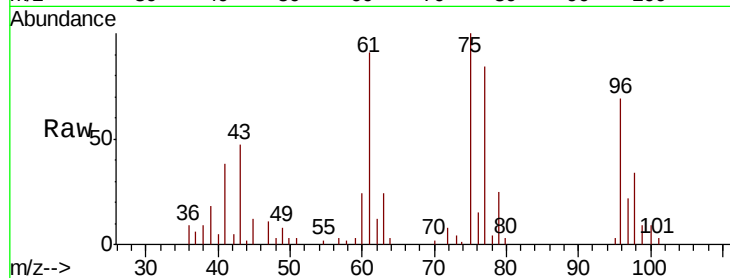


#27

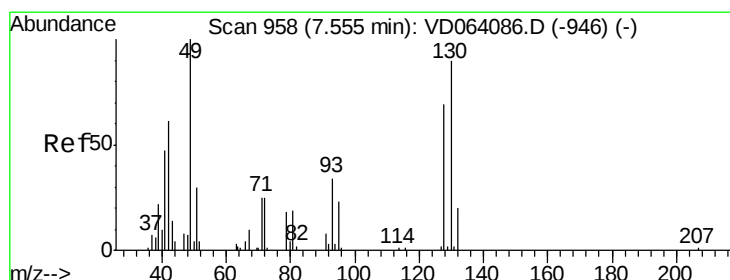
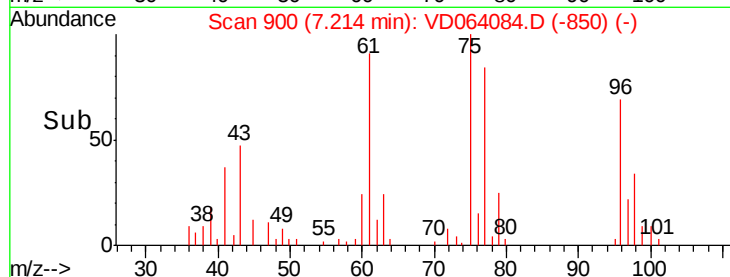
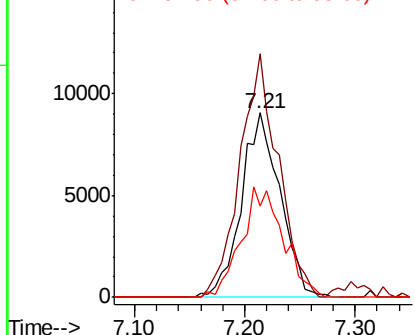
cis-1,2-Dichloroethene
 Concen: 9.736 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VD064084.D
 Acq: 29 Oct 2019 12:42

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 96 Resp: 22366
 Ion Ratio Lower Upper
 96 100
 61 130.5 0.0 258.0
 98 64.6 0.0 130.8



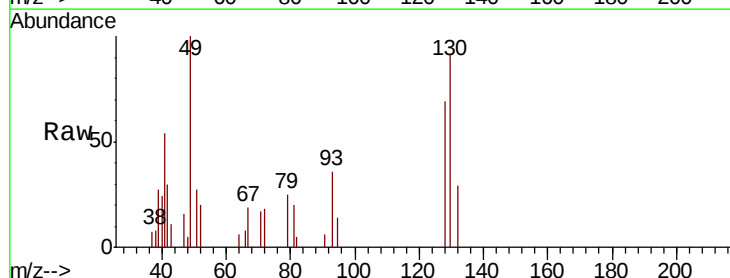
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



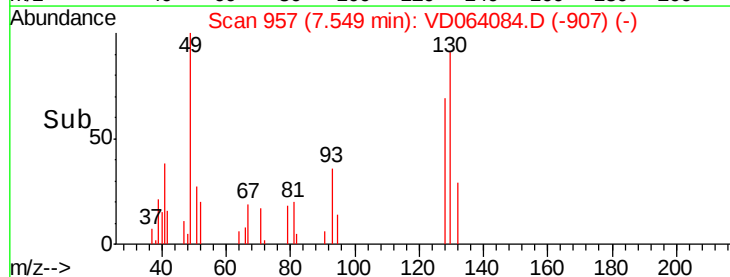
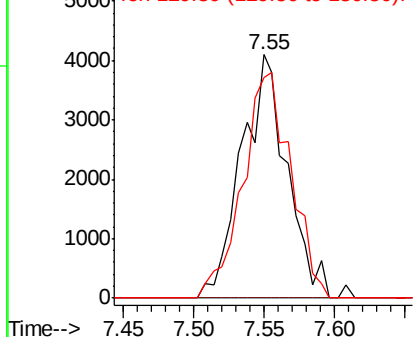
#28

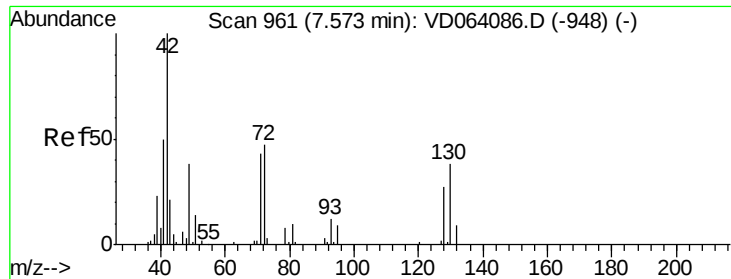
Bromochloromethane
 Concen: 7.933 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: VD064084.D
 Acq: 29 Oct 2019 12:42

Tgt Ion: 49 Resp: 9264
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 5.4
 130 97.9 75.3 112.9



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

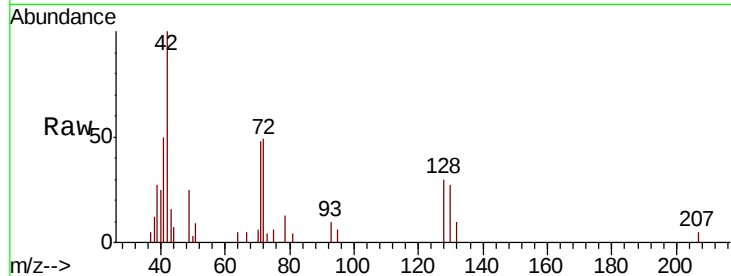




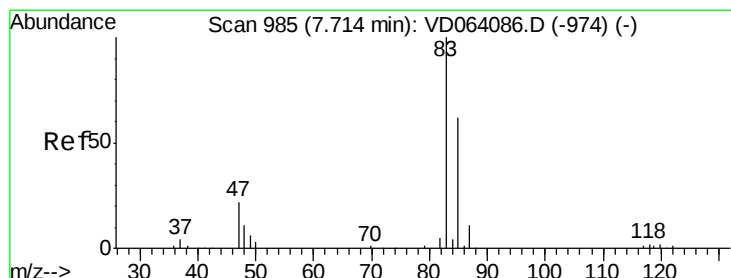
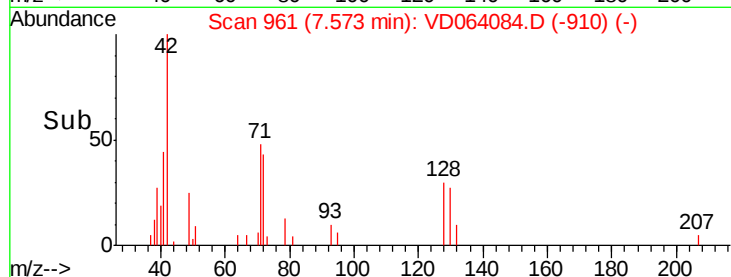
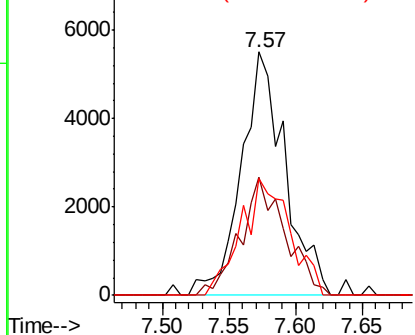
#29
Tetrahydrofuran
Concen: 48.375 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 42 Resp: 12452
Ion Ratio Lower Upper
42 100
72 50.3 38.9 58.3
71 53.9 35.4 53.2#

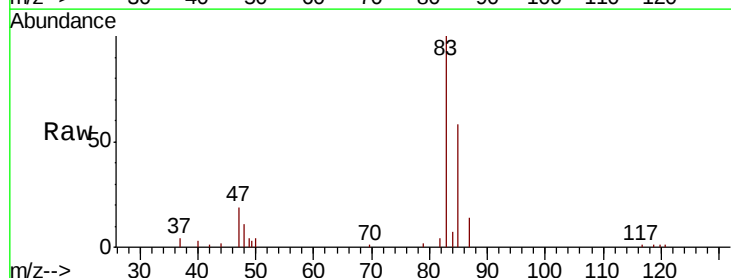


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

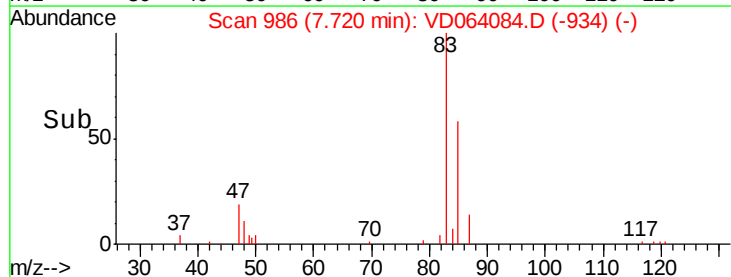
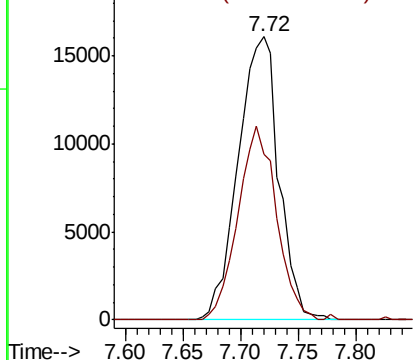


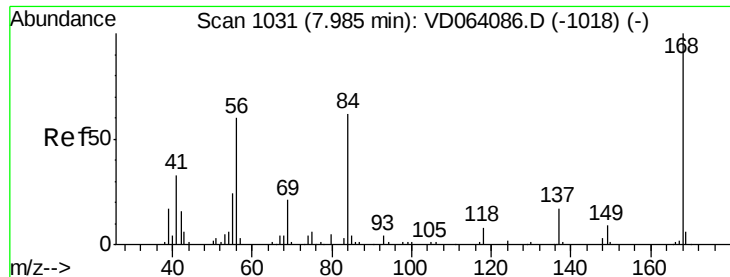
#30
Chloroform
Concen: 10.769 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Tgt Ion: 83 Resp: 39448
Ion Ratio Lower Upper
83 100
85 58.5 49.8 74.6



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

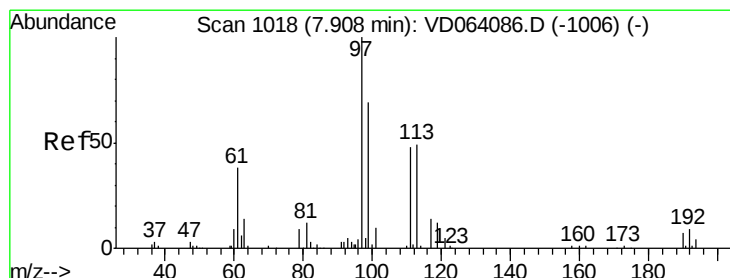
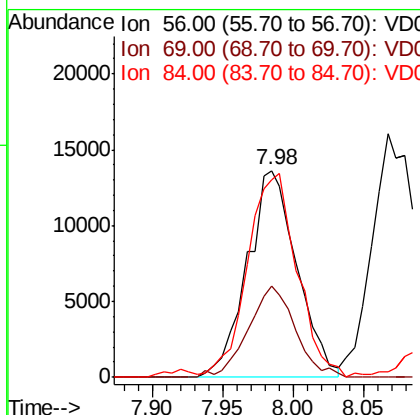
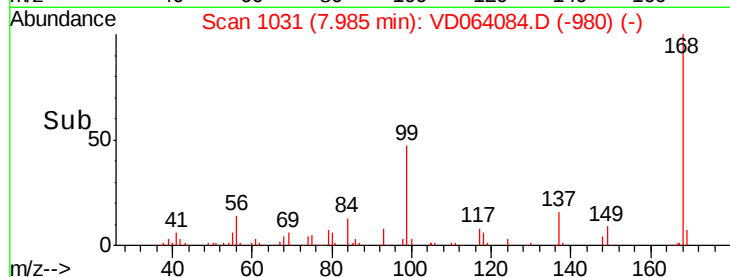
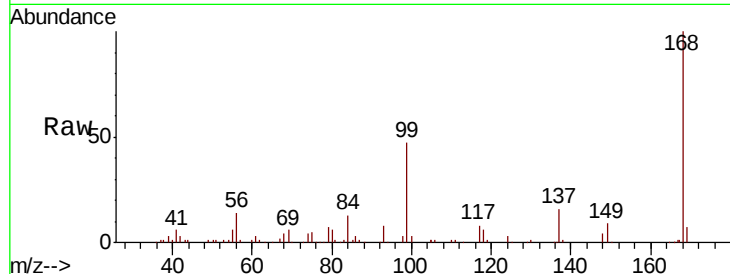




#31
Cyclohexane
Concen: 10.778 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

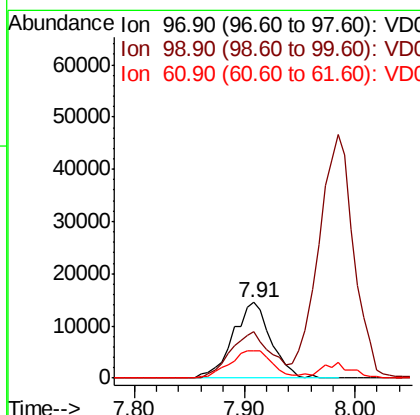
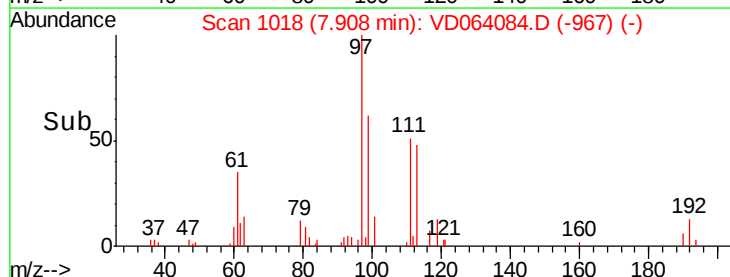
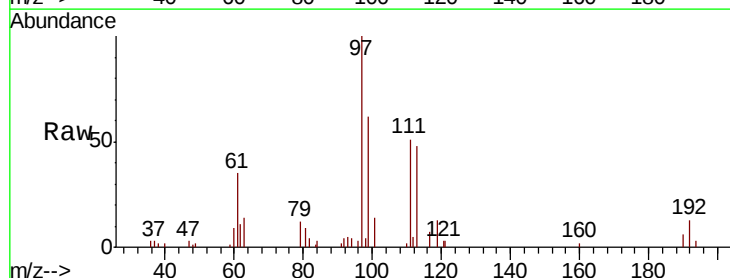
Instrument :
MSVOA_D
ClientSampleId :

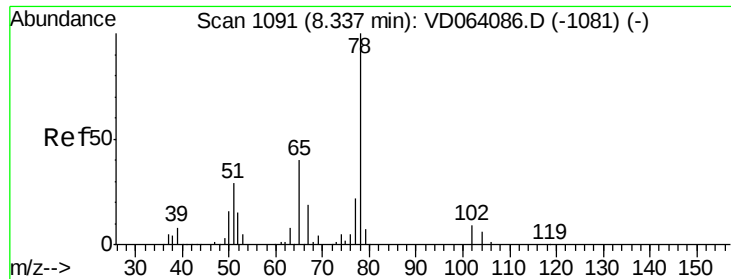
Tot Ion: 56 Resp: 33615
Ion Ratio Lower Upper
56 100
69 44.0 27.7 41.5#
84 92.7 83.1 124.7



#32
1,1,1-Trichloroethane
Concen: 10.240 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Tgt Ion: 97 Resp: 34916
Ion Ratio Lower Upper
97 100
99 64.7 53.7 80.5
61 40.4 31.8 47.6

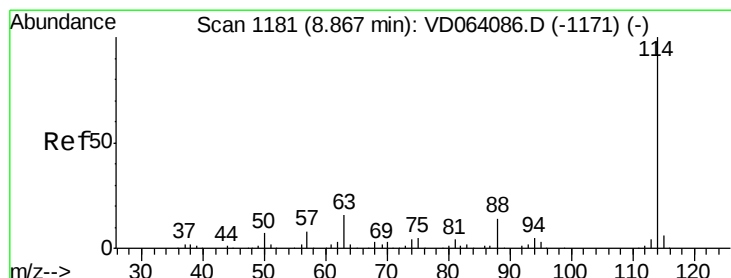
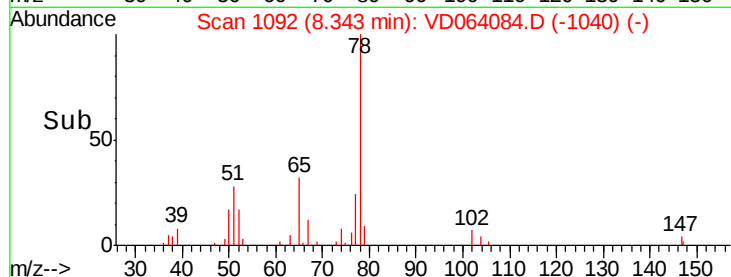
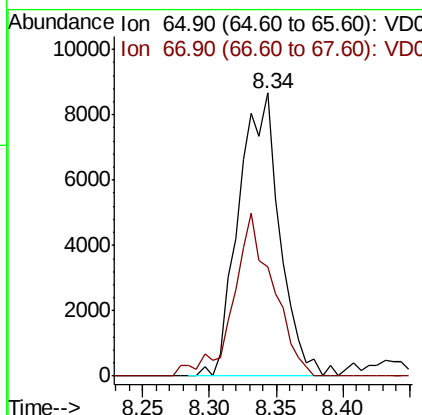
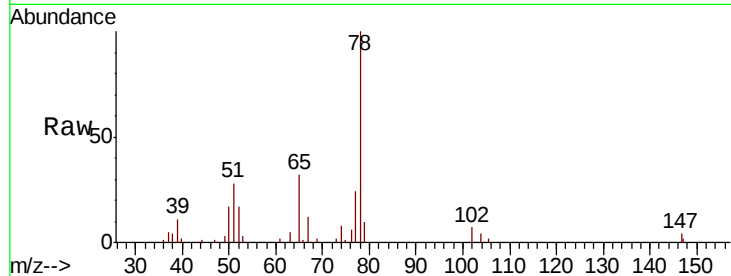




#33
 1,2-Dichloroethane-d4
 Concen: 11.009 ug/l
 RT: 8.34 min Scan# 1092
 Delta R.T. 0.01 min
 Lab File: VD064084.D
 Acq: 29 Oct 2019 12:42

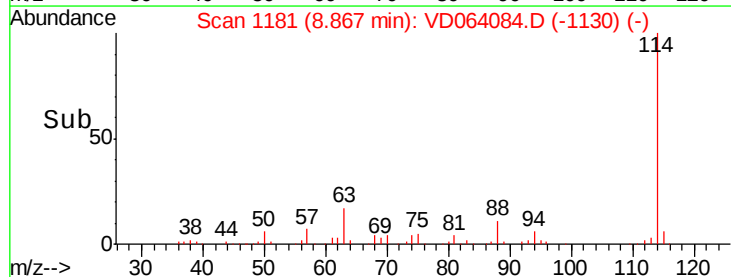
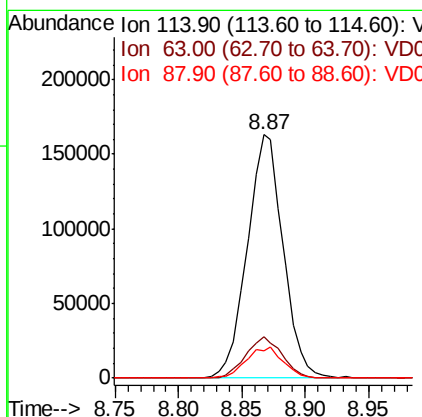
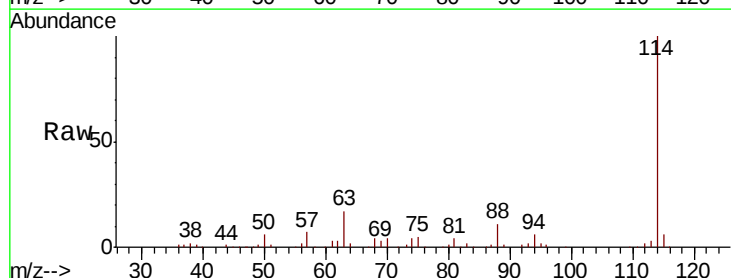
Instrument :
 MSVOA_D
 ClientSampleId :

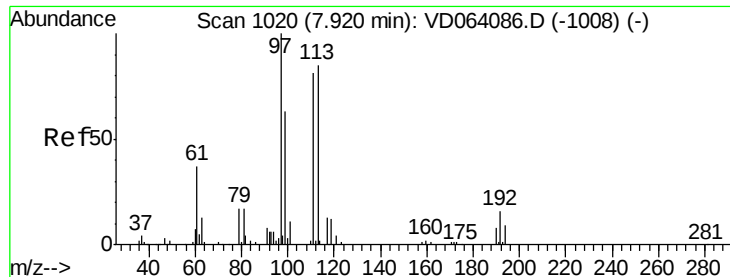
Tot Ion: 65 Resp: 18459
 Ion Ratio Lower Upper
 65 100
 67 56.0 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064084.D
 Acq: 29 Oct 2019 12:42

Tgt Ion: 114 Resp: 321122
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 32.8
 88 11.5 0.0 27.6

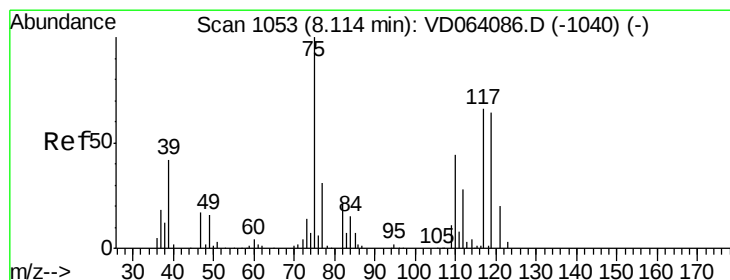
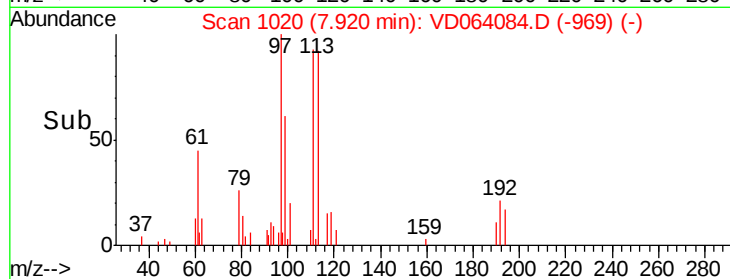
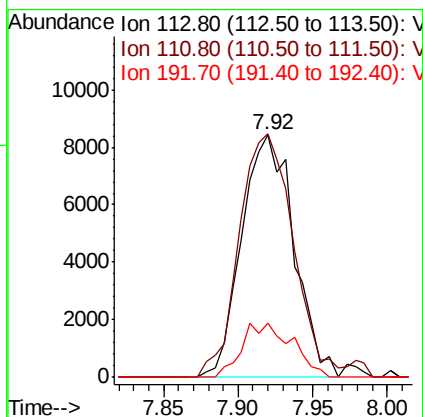
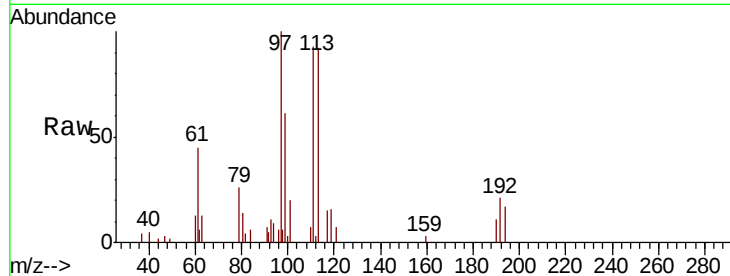




#35
 Dibromofluoromethane
 Concen: 10.338 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064084.D
 Acq: 29 Oct 2019 12:42

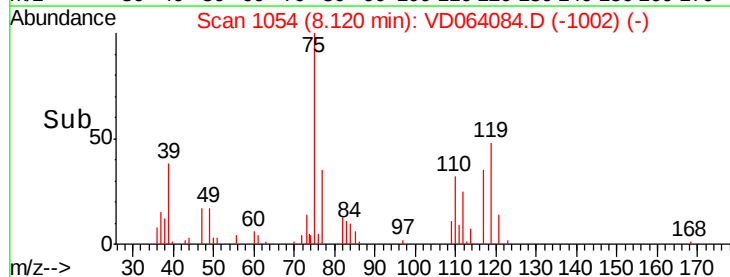
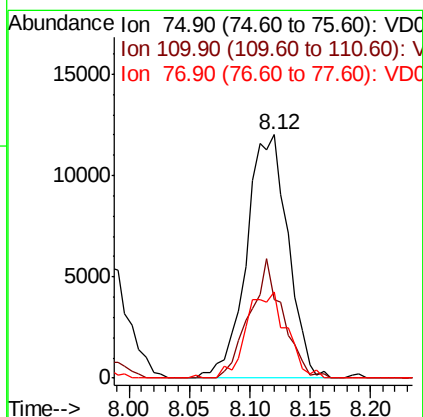
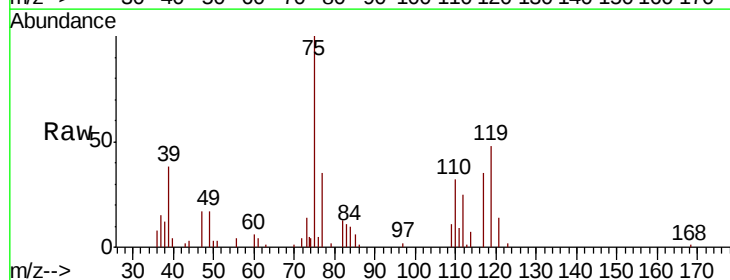
Instrument :
 MSVOA_D
 ClientSampled :

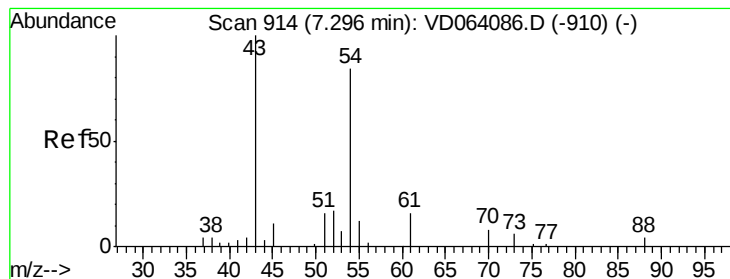
Tot Ion:113 Resp: 20424
 Ion Ratio Lower Upper
 113 100
 111 103.9 79.3 118.9
 192 21.7 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 9.562 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD064084.D
 Acq: 29 Oct 2019 12:42

Tgt Ion: 75 Resp: 28773
 Ion Ratio Lower Upper
 75 100
 110 39.4 20.0 59.9
 77 34.4 24.7 37.1





#37

Ethyl Acetate

Concen: 8.864 ug/l

RT: 7.30 min Scan# 915

Delta R.T. 0.01 min

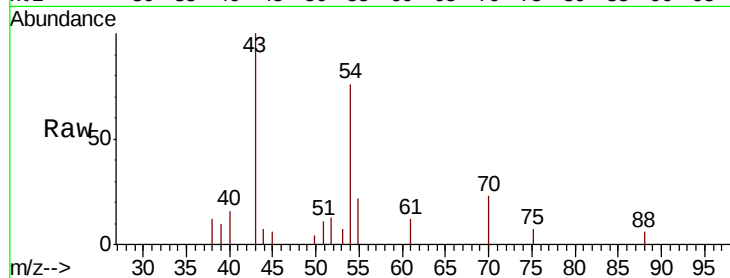
Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

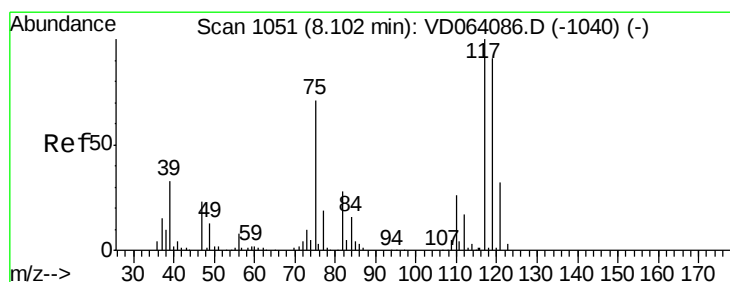
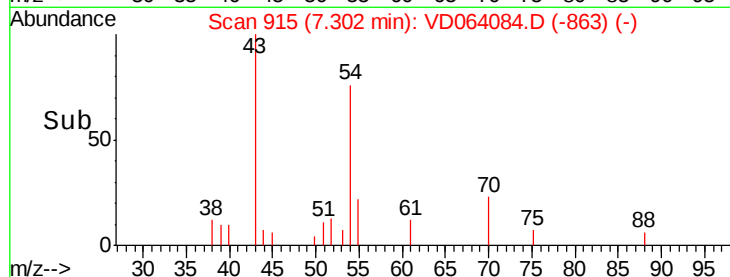
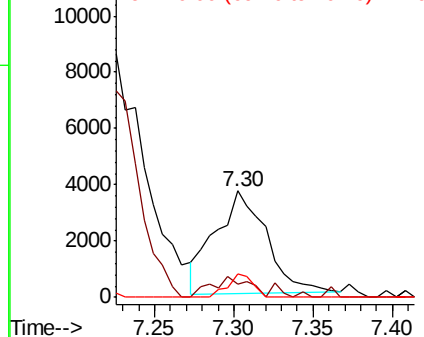
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 8210

Ion	Ratio	Lower	Upper
43	100		
61	14.4	12.0	18.0
70	11.1	3.8	5.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 9.892 ug/l

RT: 8.10 min Scan# 1050

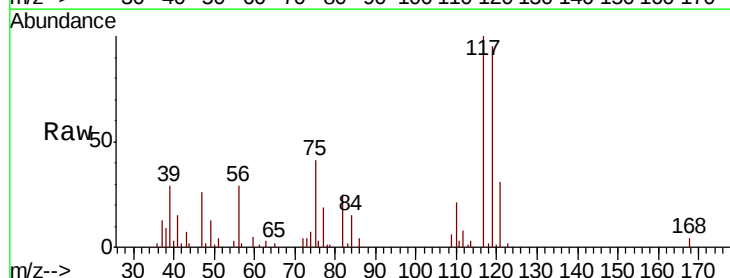
Delta R.T. -0.01 min

Lab File: VD064084.D

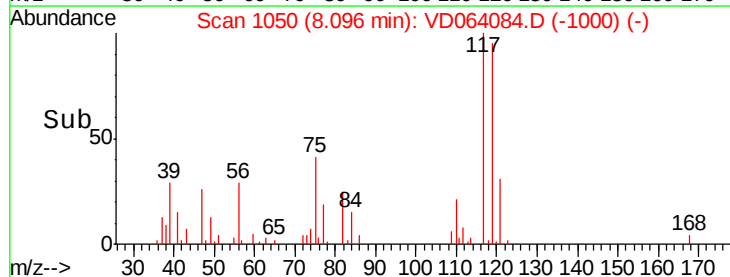
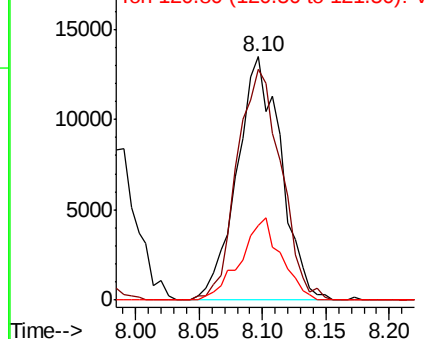
Acq: 29 Oct 2019 12:42

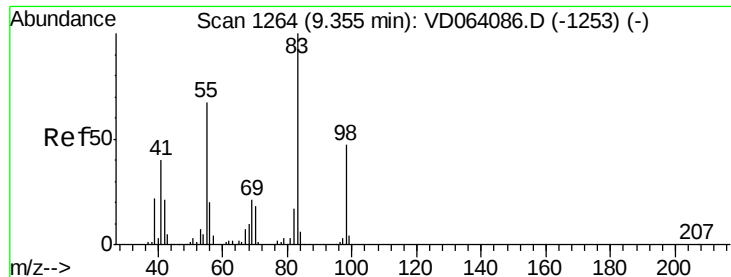
Tgt Ion: 117 Resp: 32475

Ion	Ratio	Lower	Upper
117	100		
119	94.7	72.6	108.8
121	30.5	25.8	38.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

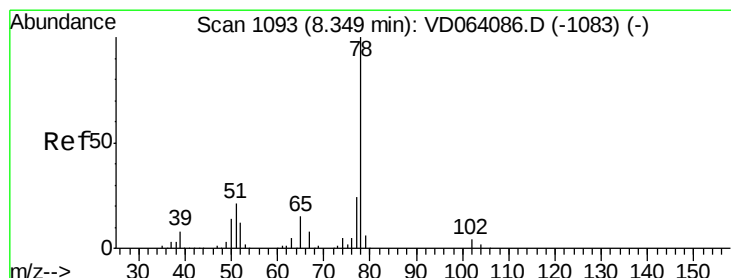
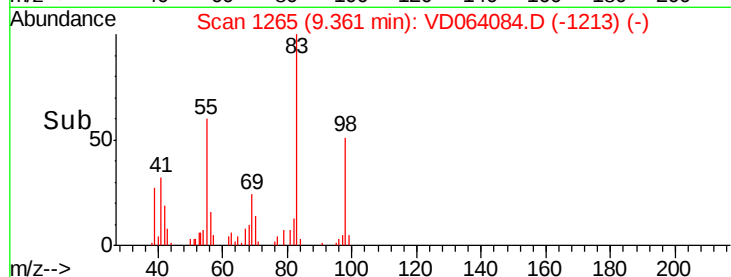
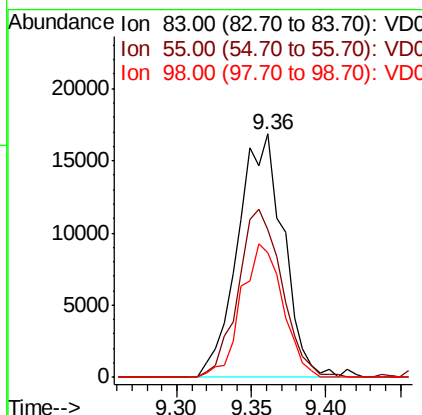
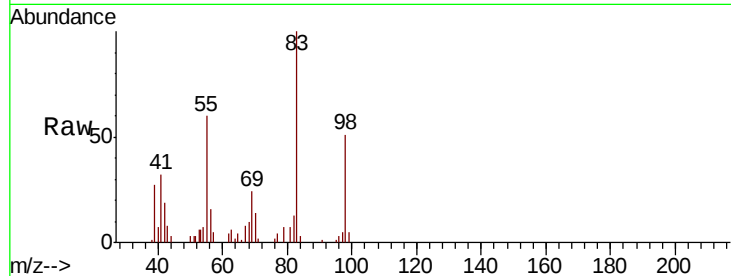




#39
Methvlcvclohexane
Concen: 9.646 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

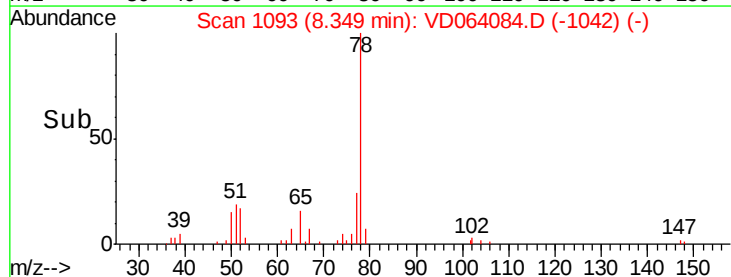
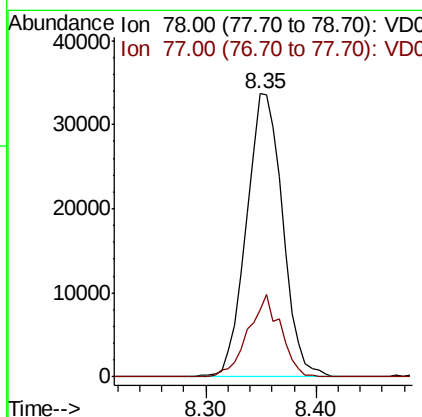
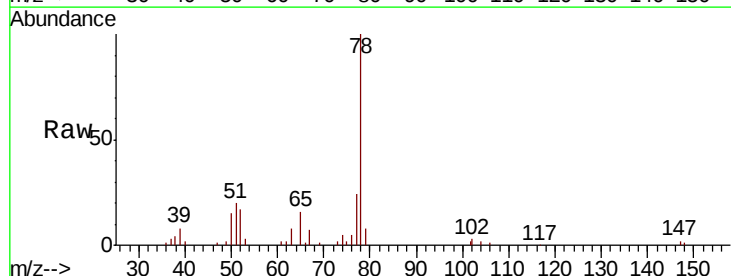
Instrument :
MSVOA_D
ClientSampled :

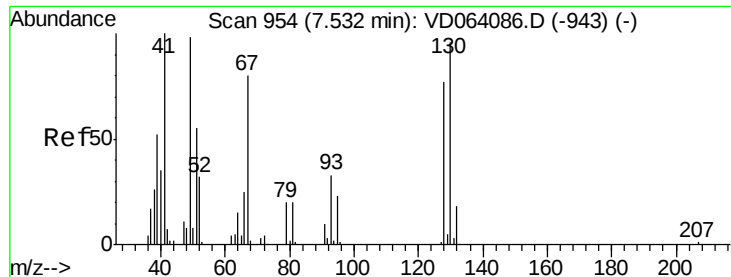
Tot Ion: 83 Resp: 35629
Ion Ratio Lower Upper
83 100
55 60.5 53.4 80.0
98 51.0 37.8 56.6



#40
Benzene
Concen: 9.467 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Tgt Ion: 78 Resp: 77681
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.4

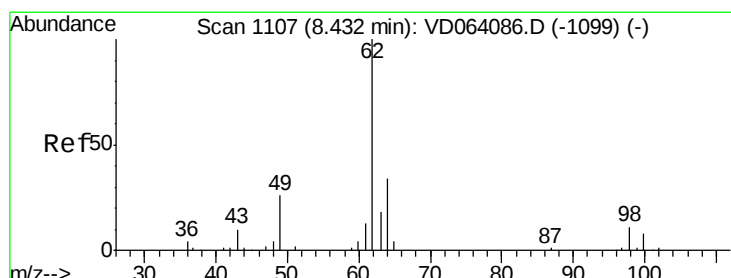
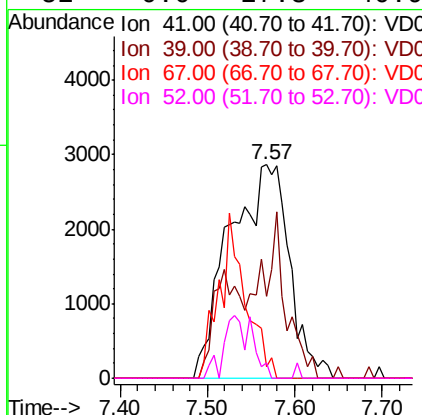
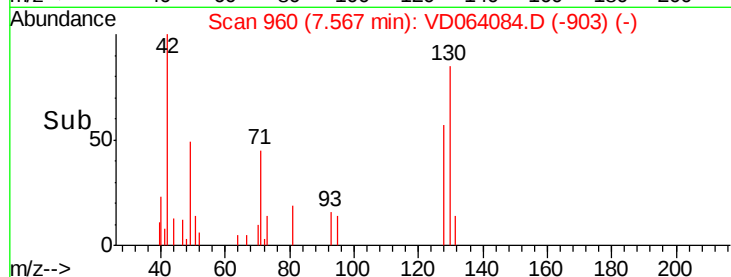
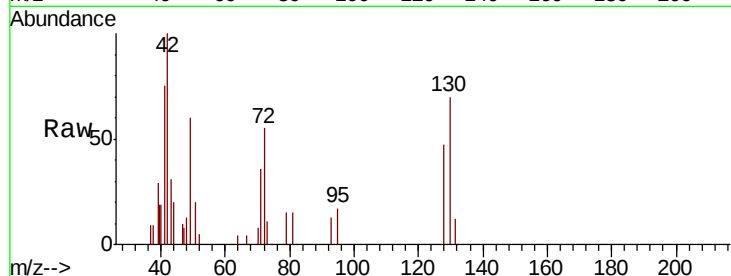




#41
Methacrylonitrile
Concen: 21.465 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.04 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

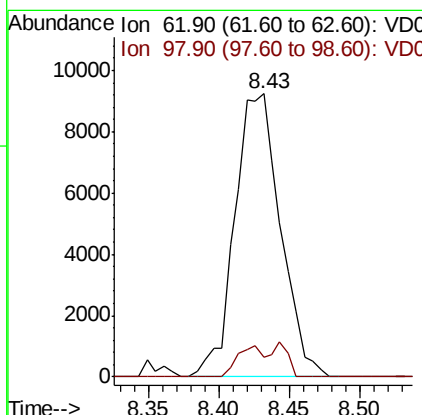
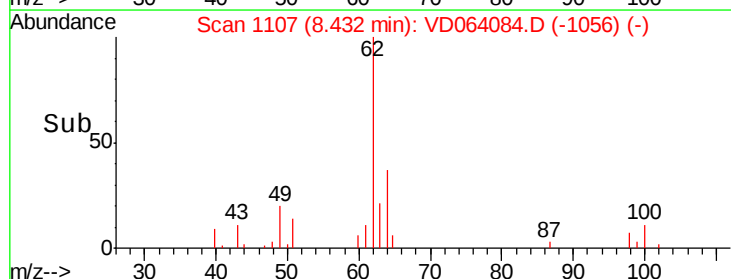
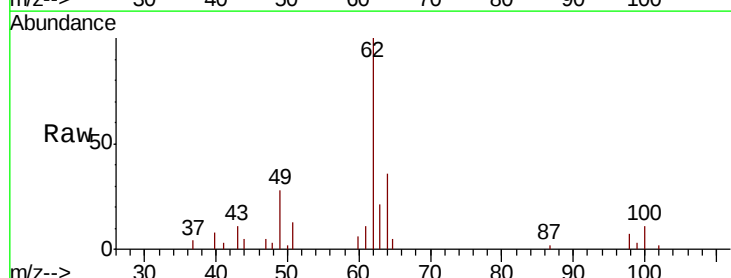
Instrument :
MSVOA_D
ClientSampleId :

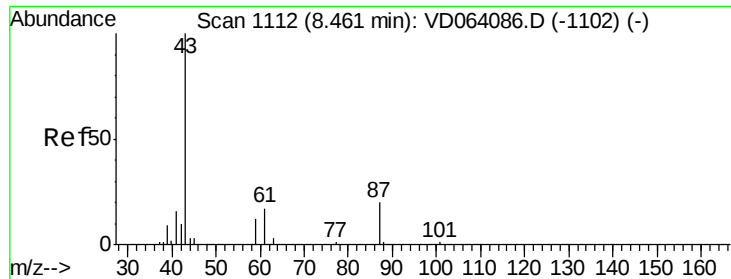
Tot Ion: 41 Resp: 13491
Ion Ratio Lower Upper
41 100
39 33.0 41.0 61.4#
67 0.0 73.4 110.0#
52 0.0 27.3 40.9#



#42
1,2-Dichloroethane
Concen: 9.668 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Tgt Ion: 62 Resp: 20955
Ion Ratio Lower Upper
62 100
98 6.1 0.0 21.0





#43

Isopropyl Acetate

Concen: 9.800 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

Instrument :

MSVOA_D

ClientSampled :

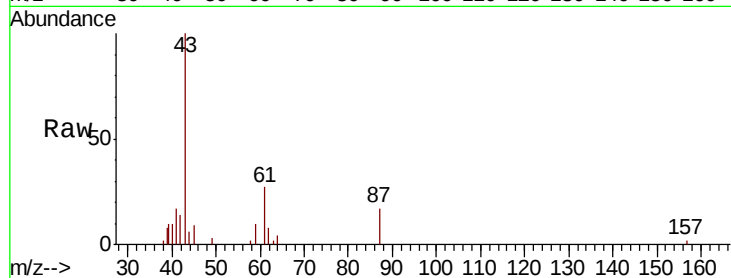
Tot Ion: 43 Resp: 18343

Ion Ratio Lower Upper

43 100

61 0.0 25.8 38.8#

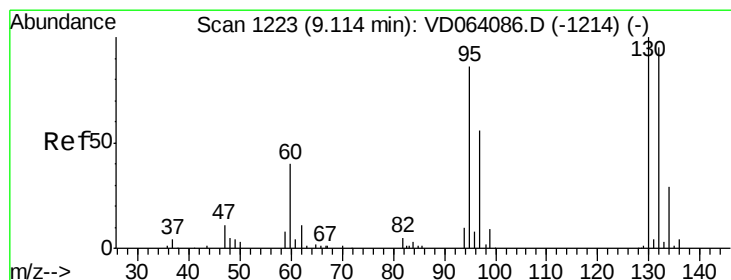
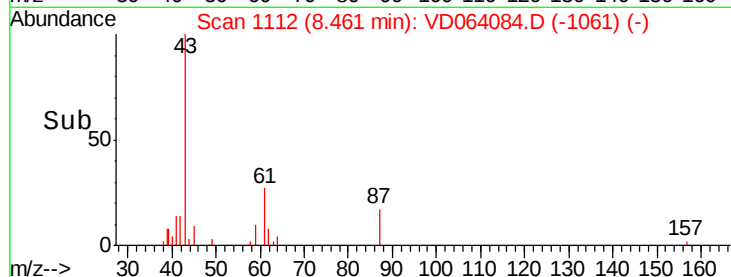
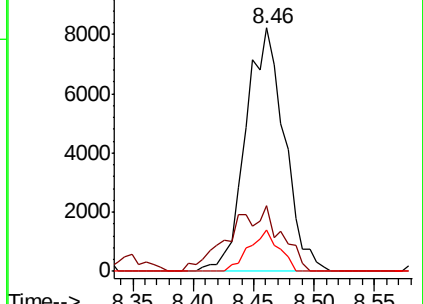
87 13.1 13.0 19.4



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: 9.984 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064084.D

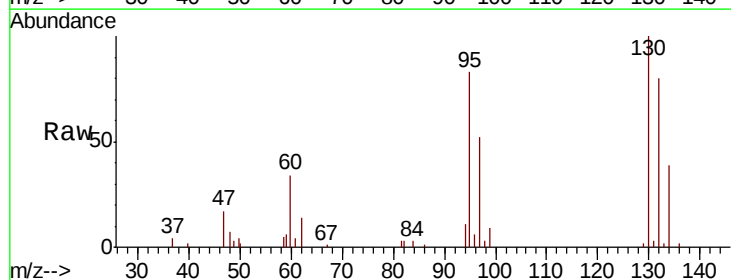
Acq: 29 Oct 2019 12:42

Tgt Ion:130 Resp: 24831

Ion Ratio Lower Upper

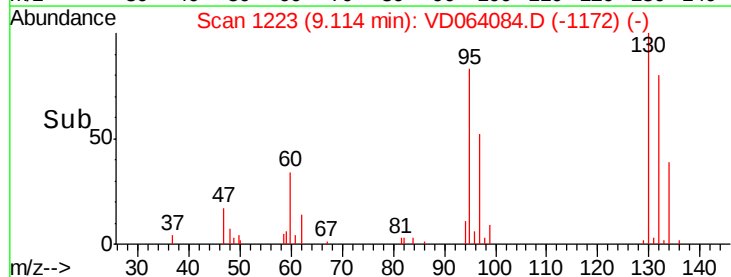
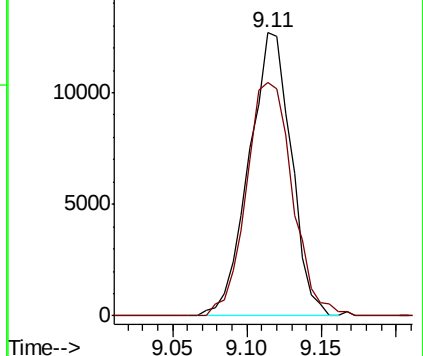
130 100

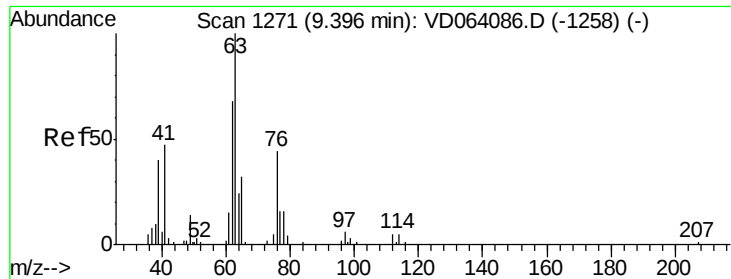
95 82.6 0.0 173.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 10.059 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

Instrument :

MSVOA_D

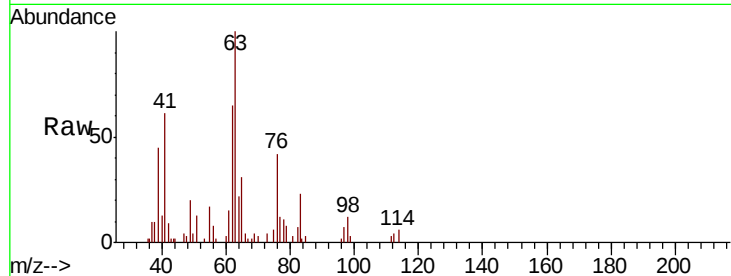
ClientSampleId :

Tot Ion: 63 Resp: 19129

Ion Ratio Lower Upper

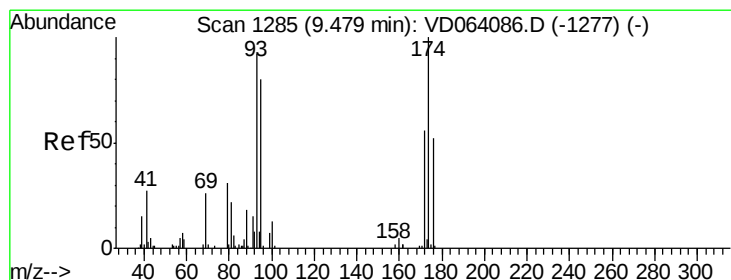
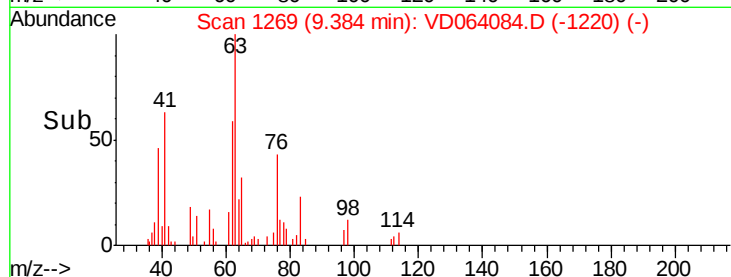
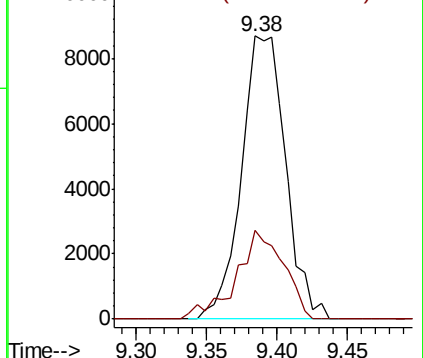
63 100

65 31.3 25.8 38.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 10.296 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

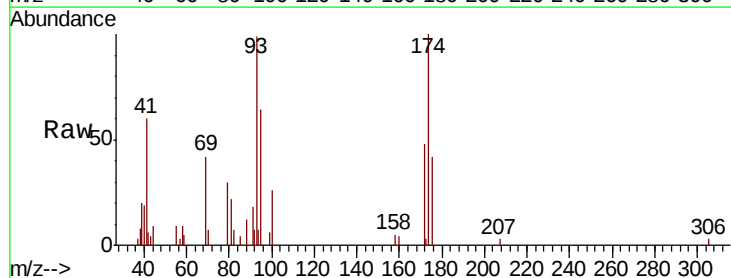
Tgt Ion: 93 Resp: 11792

Ion Ratio Lower Upper

93 100

95 72.3 67.4 101.2

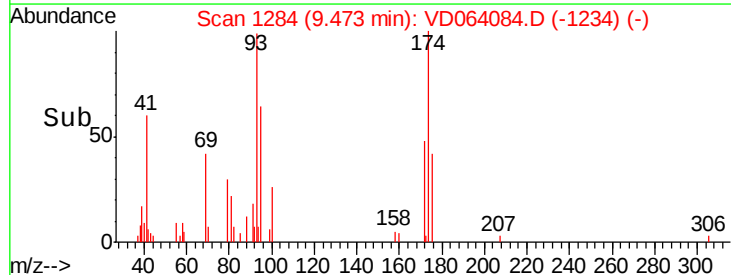
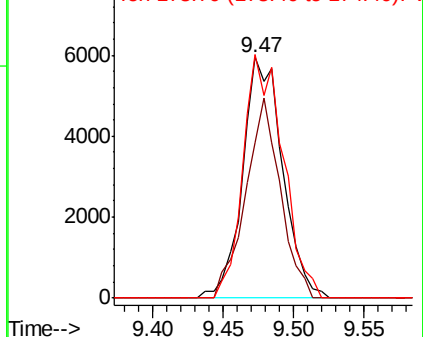
174 100.9 86.4 129.6

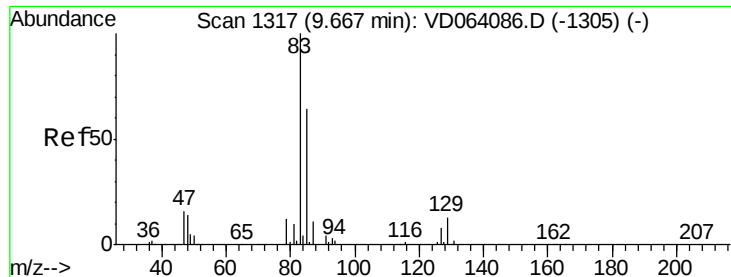


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 9.883 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :

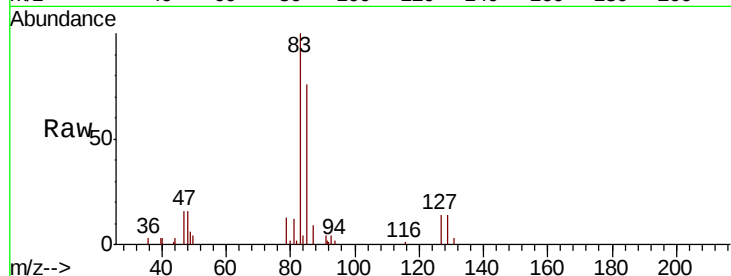
Tot Ion: 83 Resp: 28556

Ion Ratio Lower Upper

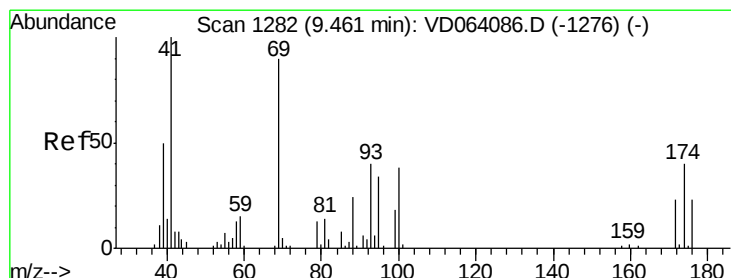
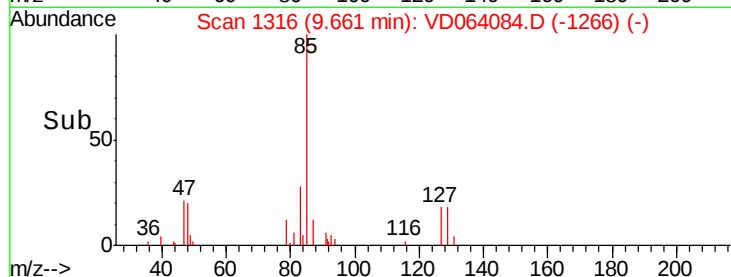
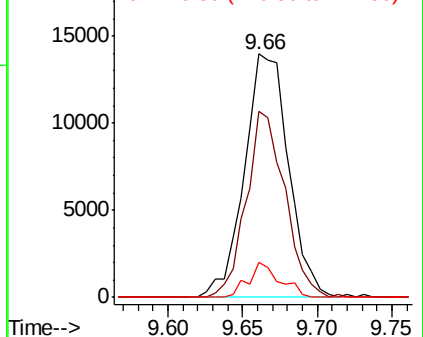
83 100

85 76.4 51.4 77.0

127 14.1 6.7 10.1#



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



#48

Methyl methacrylate

Concen: 8.672 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

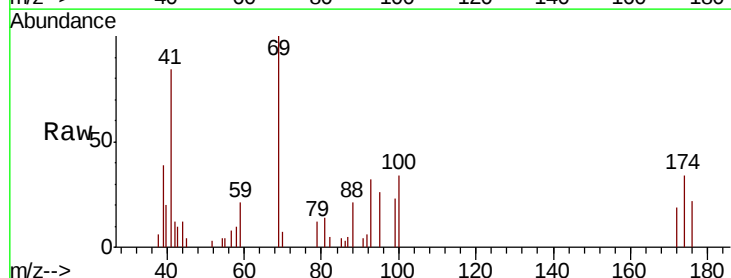
Tgt Ion: 41 Resp: 7506

Ion Ratio Lower Upper

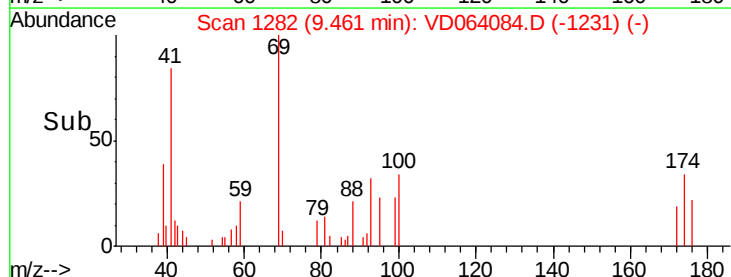
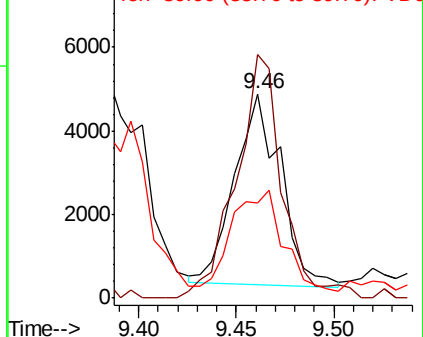
41 100

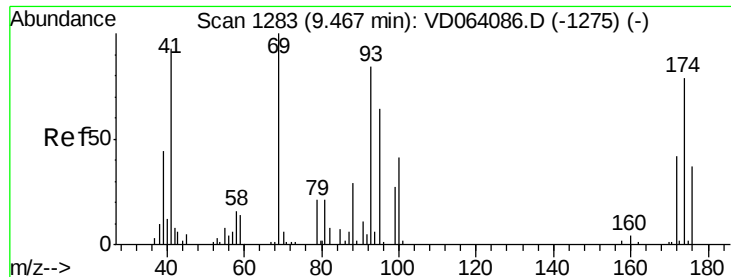
69 126.8 82.6 124.0#

39 59.4 47.0 70.4



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





#49

1,4-Dioxane

Concen: 185.131 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

Instrument :
MSVOA_D
ClientSampled :

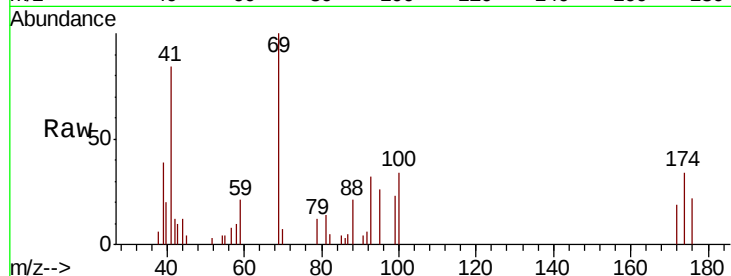
Tot Ion: 88 Resp: 2427

Ion Ratio Lower Upper

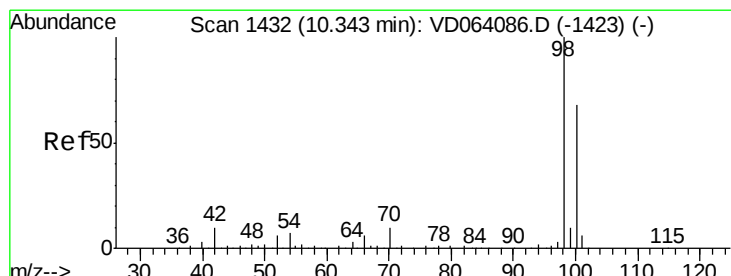
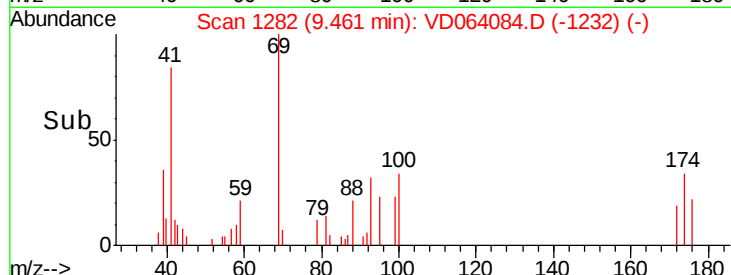
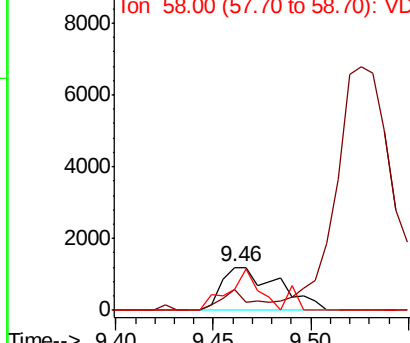
88 100

43 25.8 13.4 20.0#

58 51.1 46.7 70.1



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: 9.869 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD064084.D

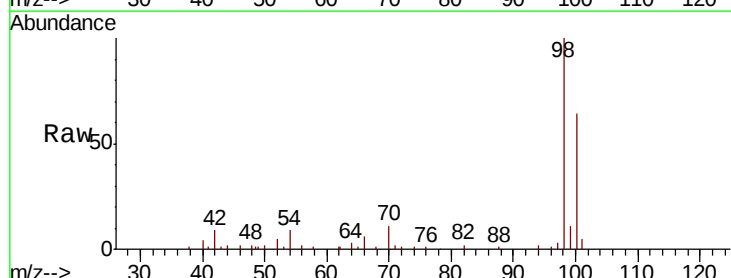
Acq: 29 Oct 2019 12:42

Tgt Ion: 98 Resp: 77973

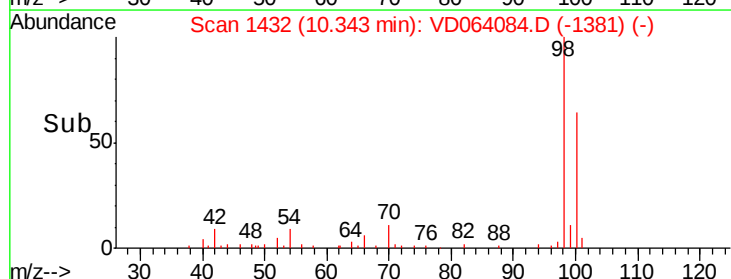
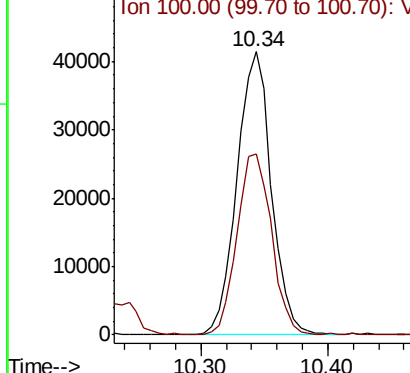
Ion Ratio Lower Upper

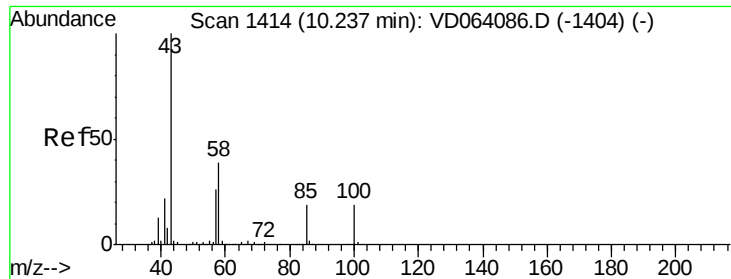
98 100

100 64.2 53.4 80.0



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: 46.203 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.00 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

Instrument :

MSVOA_D

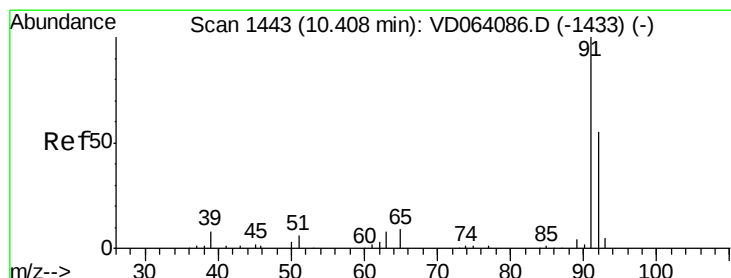
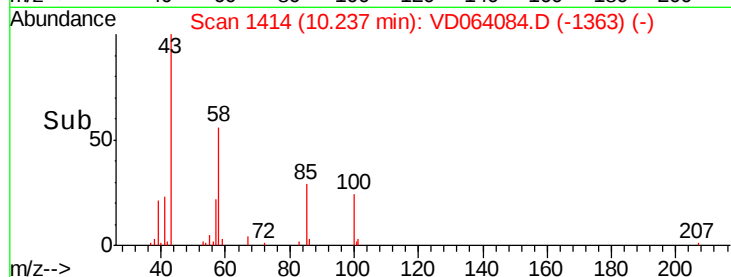
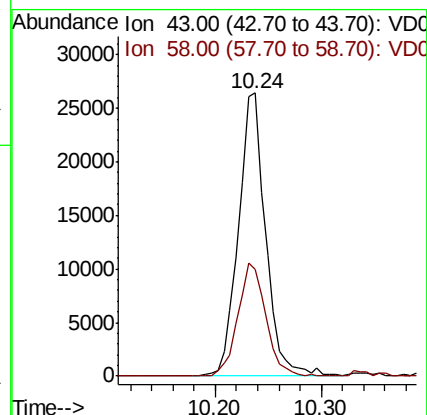
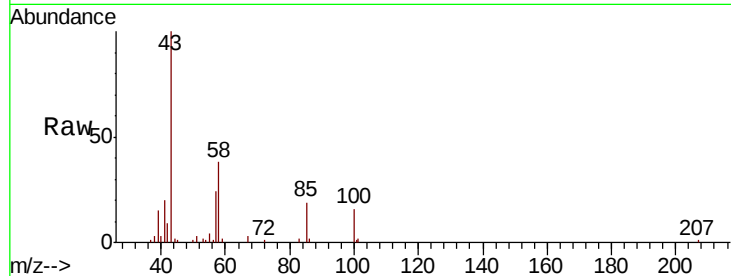
ClientSampled :

Tot Ion: 43 Resp: 47080

Ion Ratio Lower Upper

43 100

58 40.8 33.0 49.4



#52

Toluene

Concen: 9.640 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064084.D

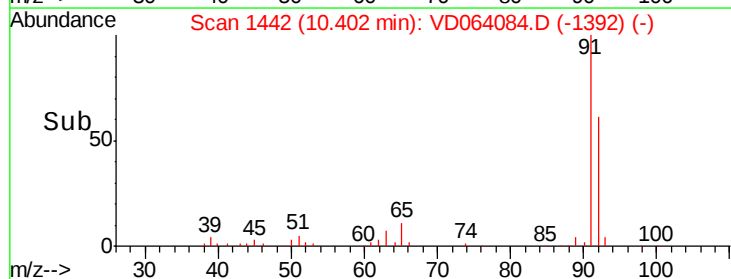
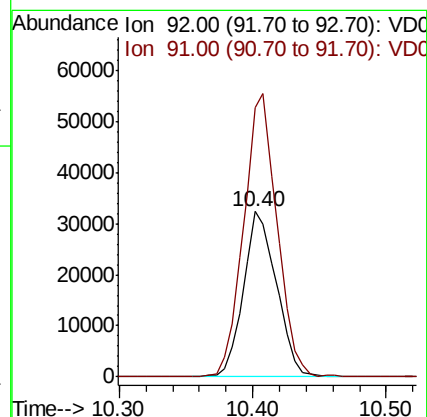
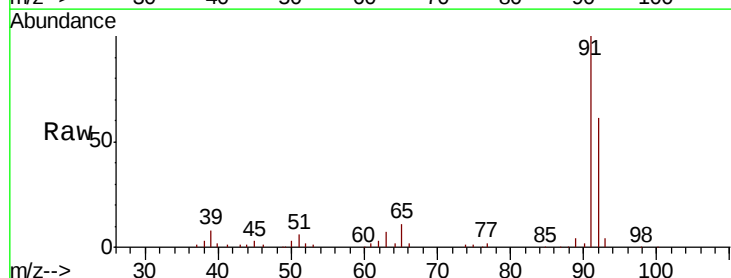
Acq: 29 Oct 2019 12:42

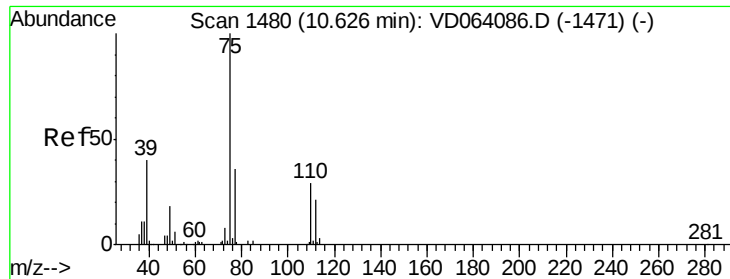
Tgt Ion: 92 Resp: 55435

Ion Ratio Lower Upper

92 100

91 172.3 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 9.104 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

Instrument :

MSVOA_D

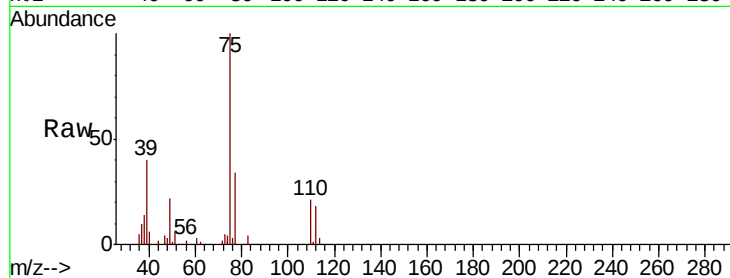
ClientSampleId :

Tot Ion: 75 Resp: 24554

Ion Ratio Lower Upper

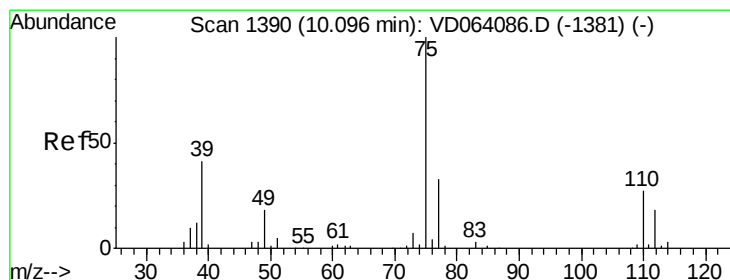
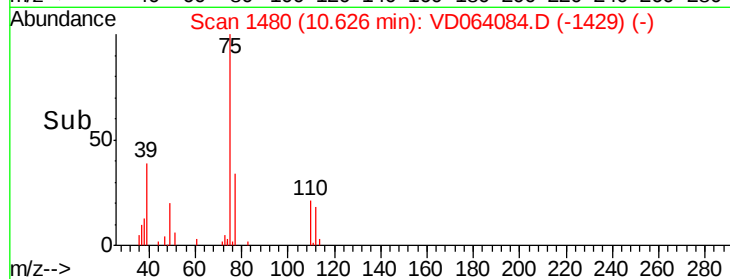
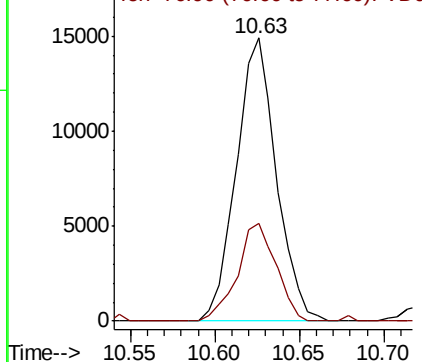
75 100

77 34.4 28.7 43.1



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 9.154 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

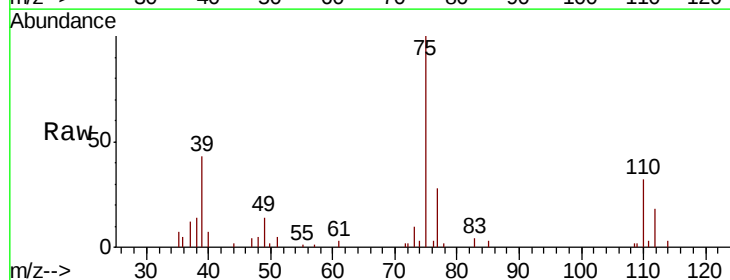
Tgt Ion: 75 Resp: 29048

Ion Ratio Lower Upper

75 100

77 28.0 26.8 40.2

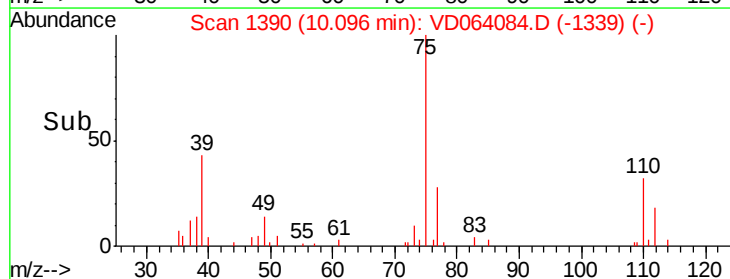
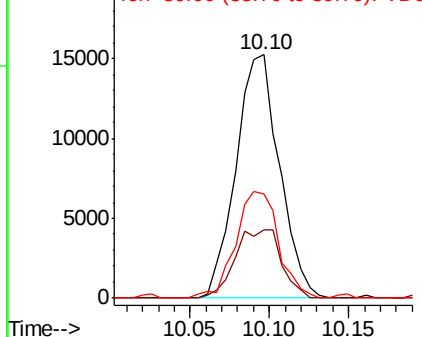
39 43.0 32.7 49.1

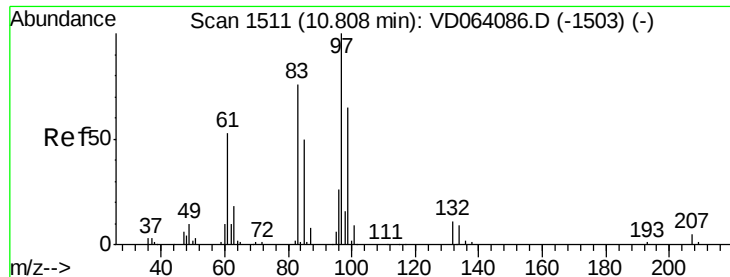


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

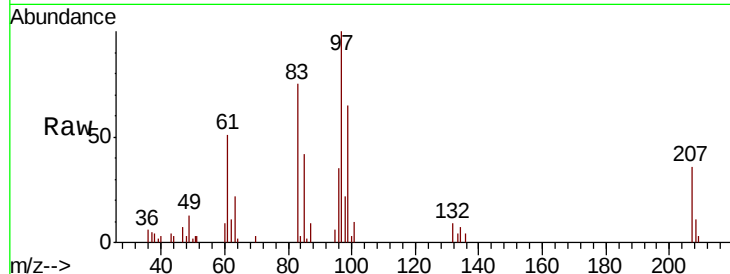




#55
 1,1,2-Trichloroethane
 Concen: 9.835 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD064084.D
 Acq: 29 Oct 2019 12:42

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
97	100		
83	75.1	60.9	91.3
85	42.2	40.2	60.2
99	65.0	51.9	77.9



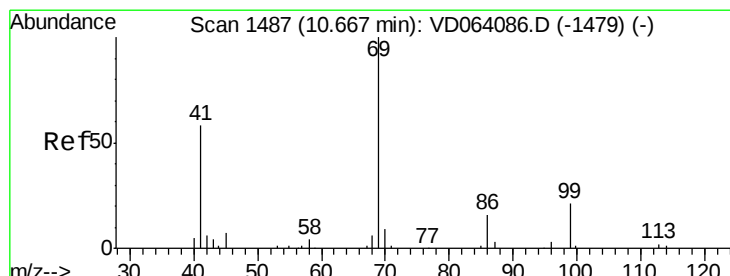
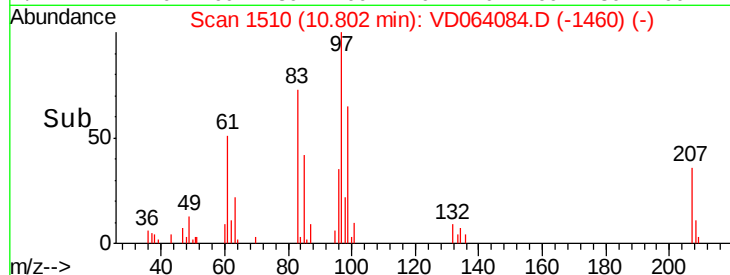
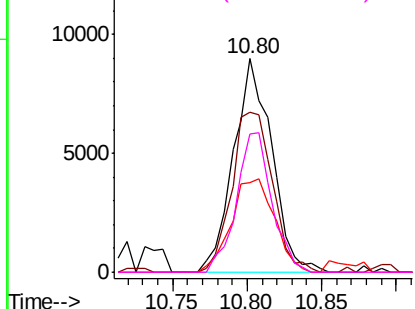
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

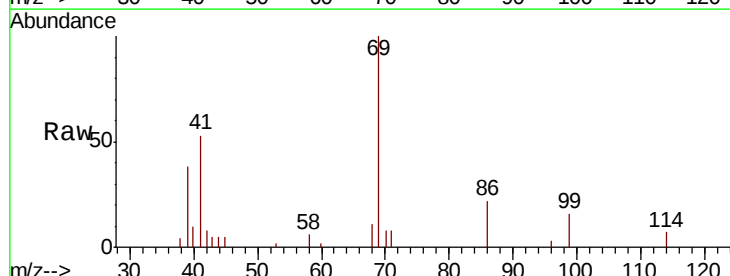
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 8.253 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD064084.D
 Acq: 29 Oct 2019 12:42

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.8	46.9	70.3
39	37.1	27.3	40.9

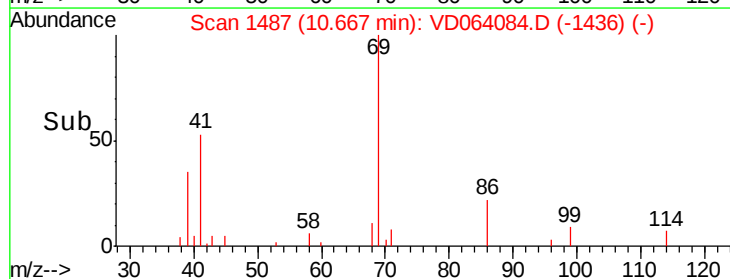
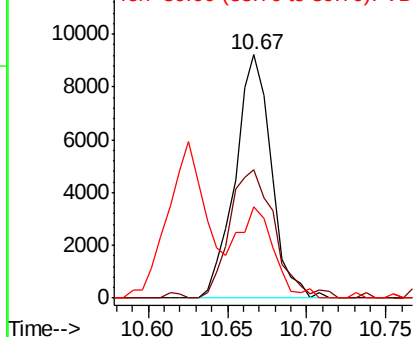


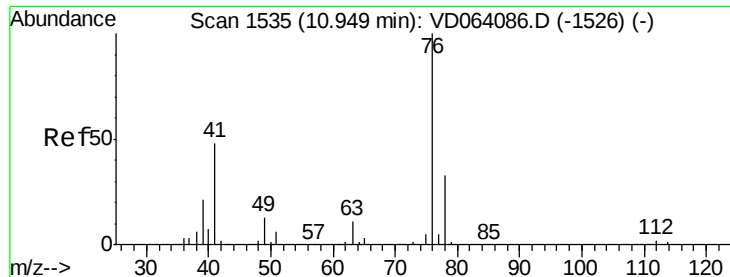
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 9.473 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

Instrument :

MSVOA_D

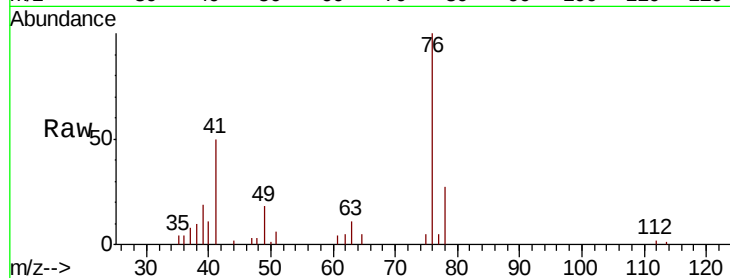
ClientSampleId :

Tot Ion: 76 Resp: 25439

Ion Ratio Lower Upper

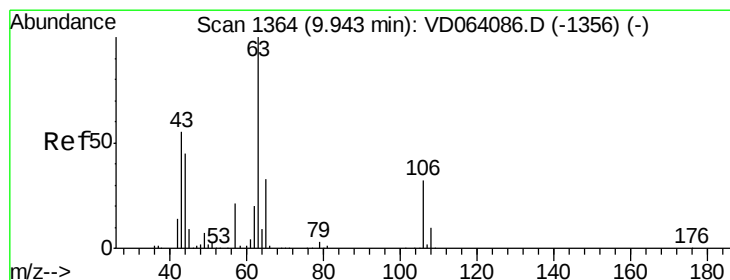
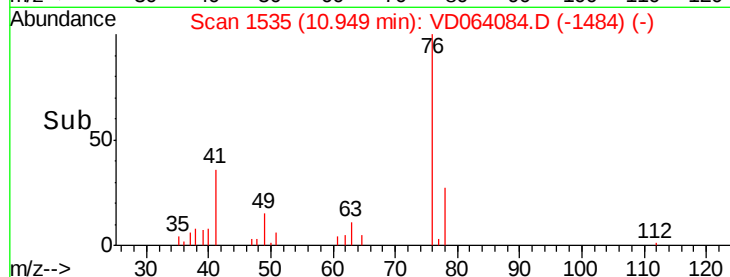
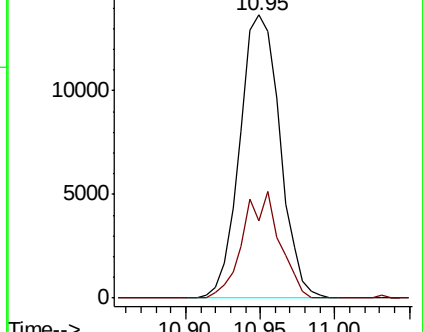
76 100

78 34.3 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 43.870 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064084.D

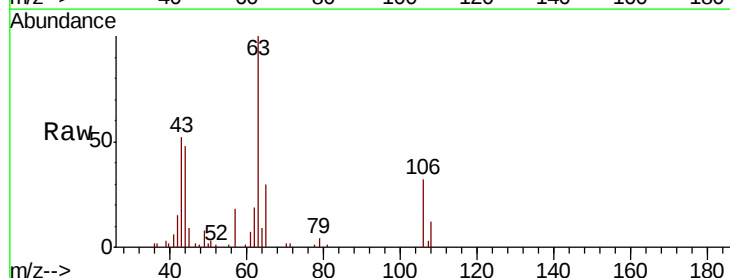
Acq: 29 Oct 2019 12:42

Tgt Ion: 63 Resp: 31208

Ion Ratio Lower Upper

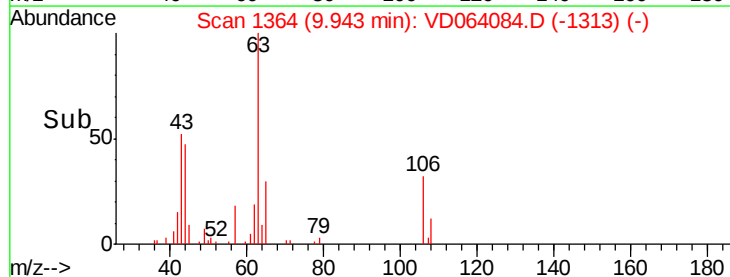
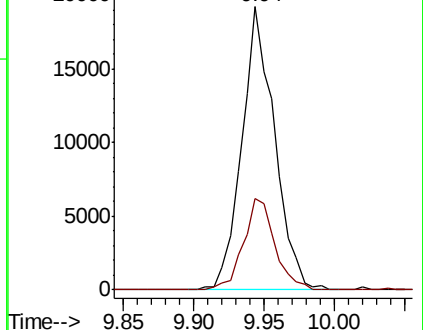
63 100

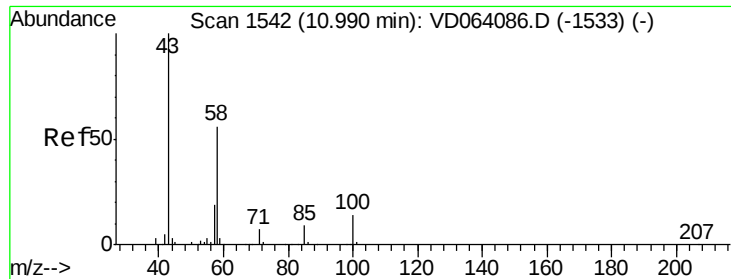
106 31.0 25.8 38.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

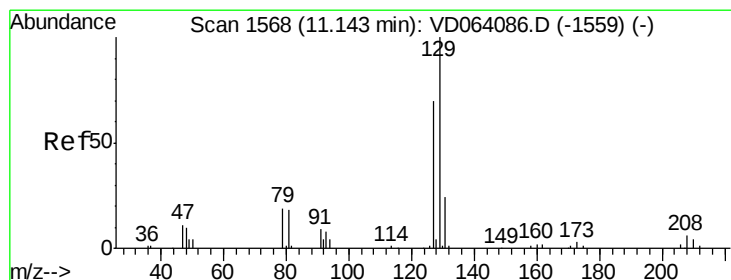
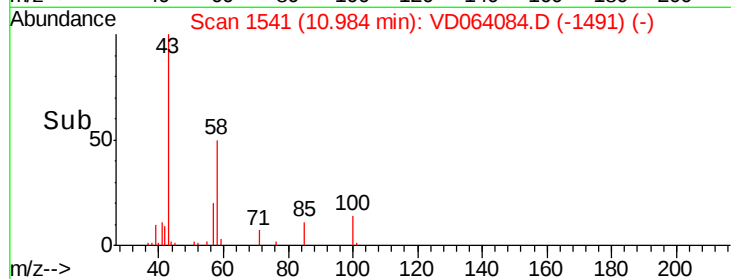
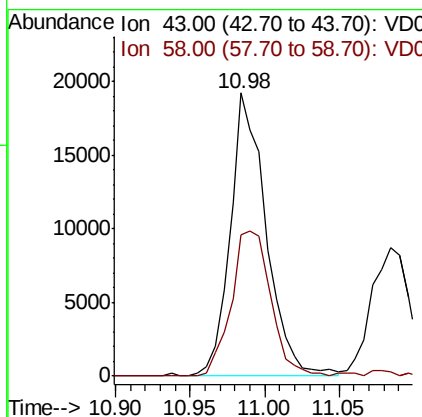
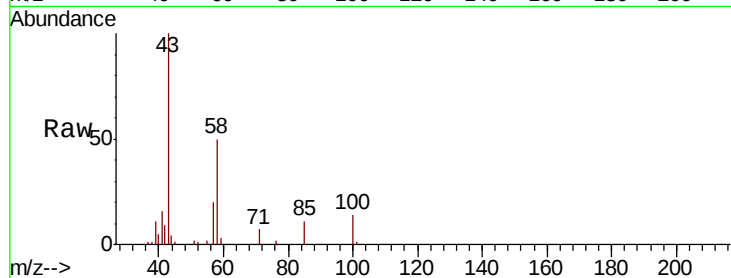




#59
2-Hexanone
Concen: 44.445 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

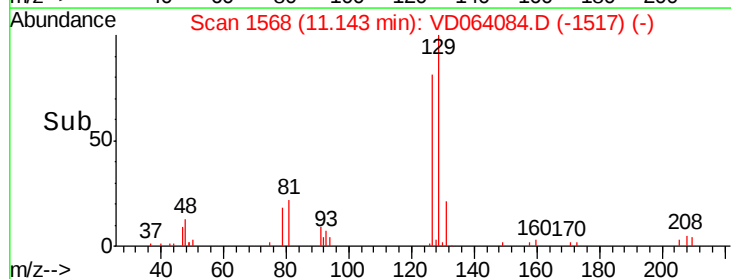
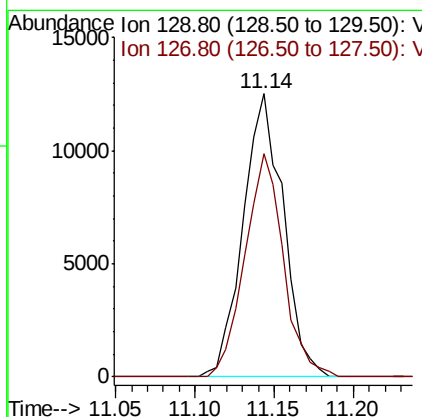
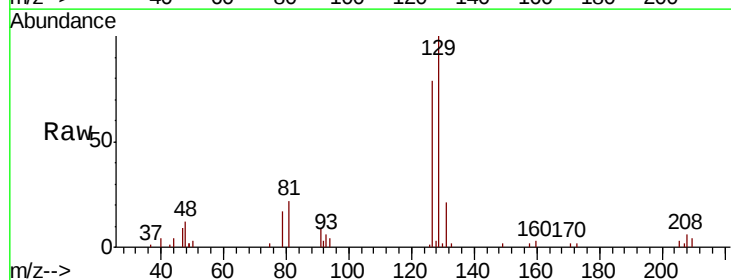
Instrument :
MSVOA_D
ClientSampled :

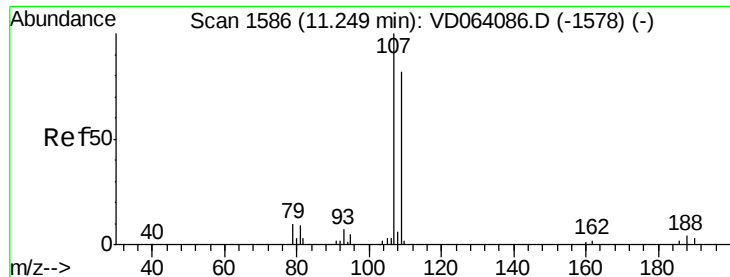
Tot Ion: 43 Resp: 32276
Ion Ratio Lower Upper
43 100
58 56.3 29.2 87.6



#60
Dibromochloromethane
Concen: 9.983 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Tgt Ion: 129 Resp: 22001
Ion Ratio Lower Upper
129 100
127 75.8 38.3 114.8

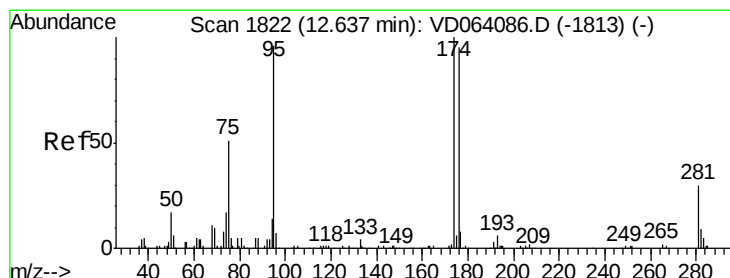
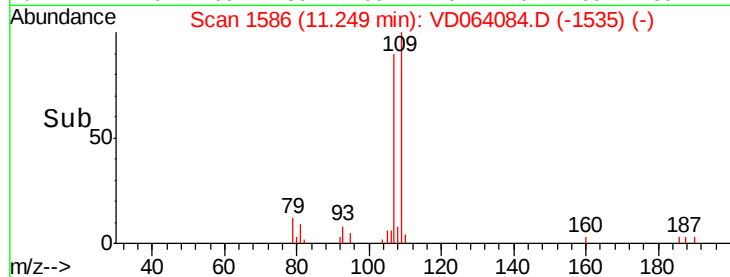
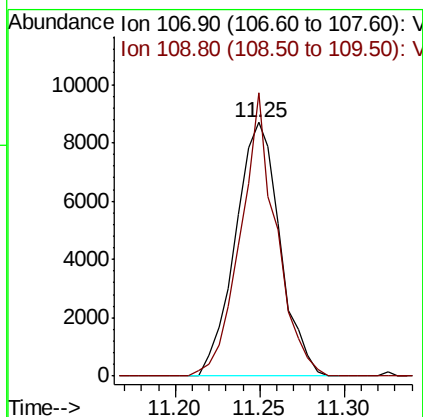
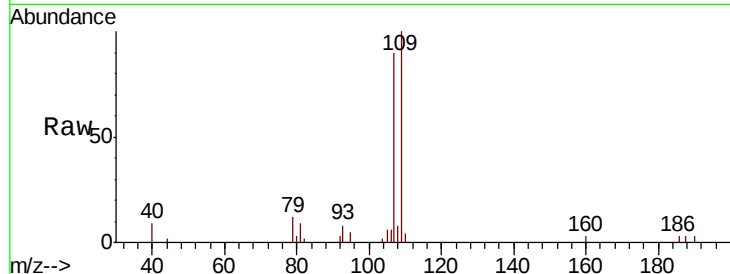




#61
1,2-Dibromoethane
Concen: 9.837 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

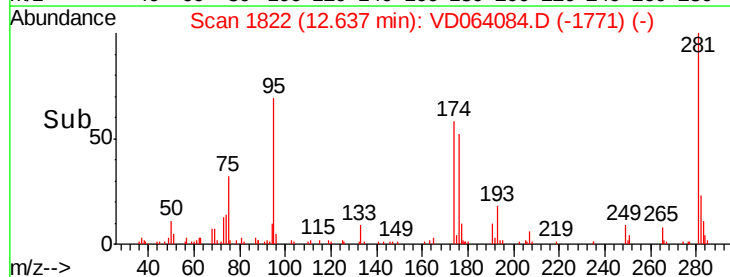
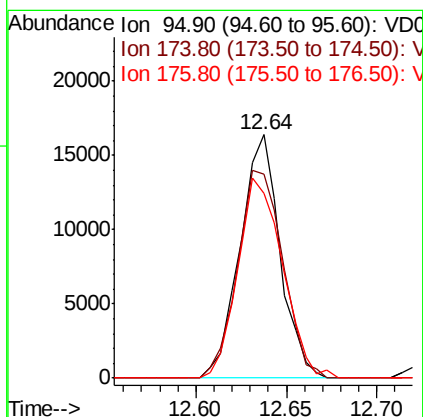
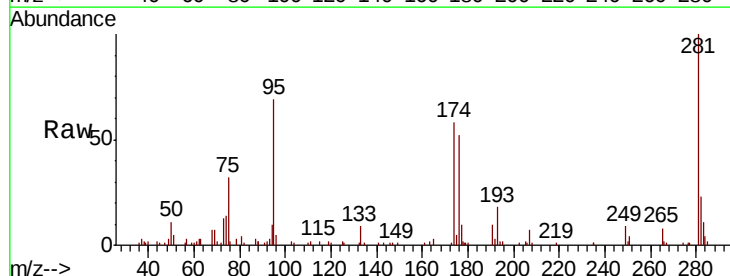
Instrument :
MSVOA_D
ClientSampled :

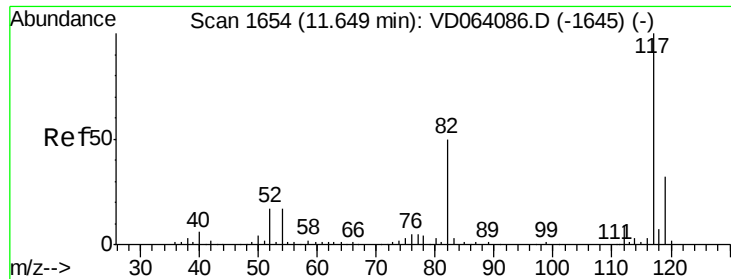
Tot Ion:107 Resp: 15976
Ion Ratio Lower Upper
107 100
109 89.2 73.0 109.4



#62
4-Bromofluorobenzene
Concen: 9.544 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Tgt Ion: 95 Resp: 25000
Ion Ratio Lower Upper
95 100
174 96.9 0.0 201.6
176 92.5 0.0 192.6

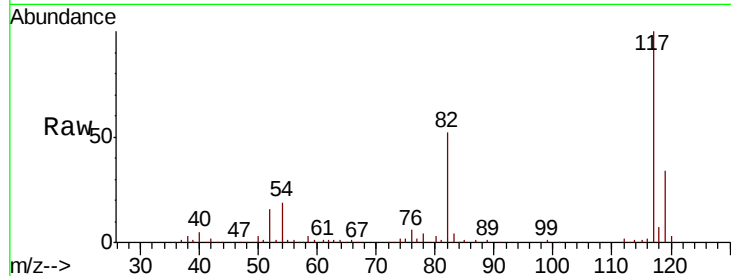




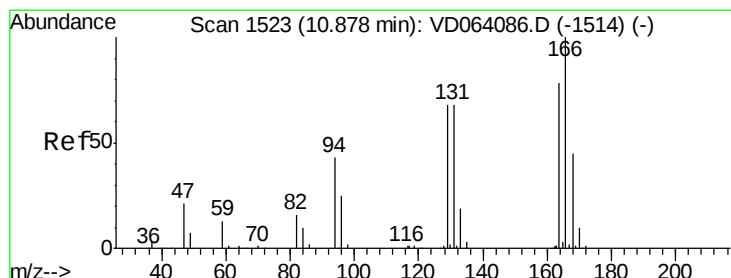
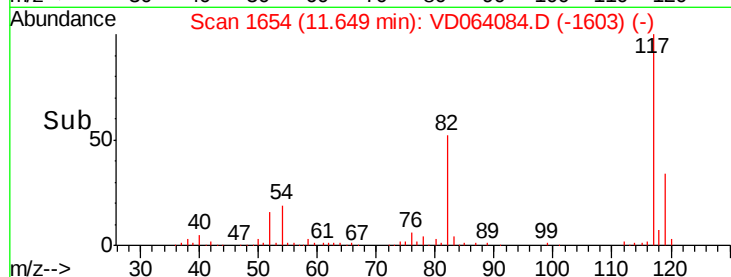
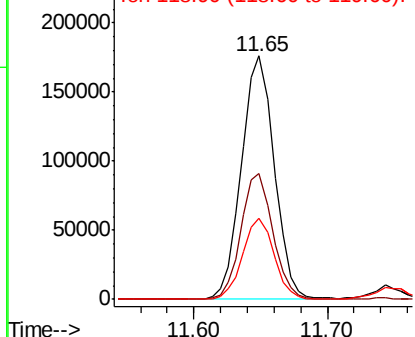
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 300133
Ion Ratio Lower Upper
117 100
82 51.5 40.2 60.4
119 33.5 26.0 39.0

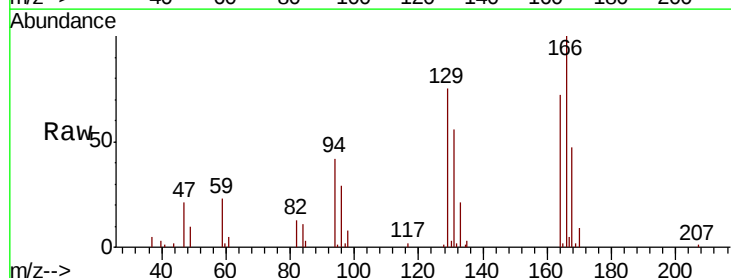


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

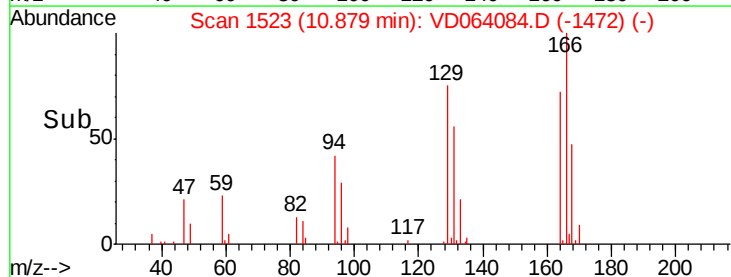
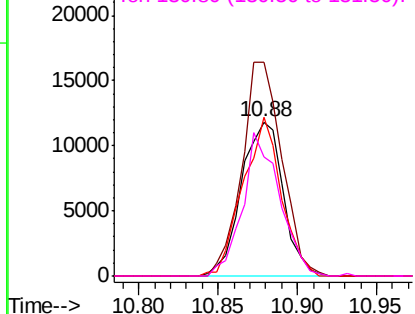


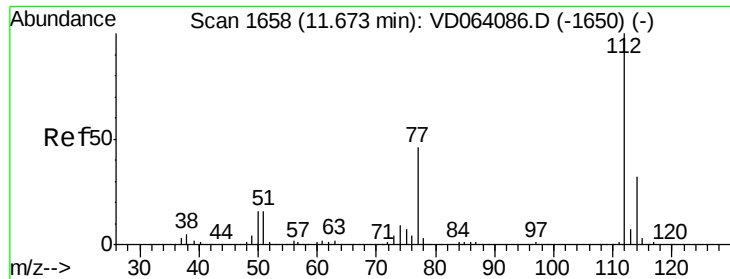
#64
Tetrachloroethene
Concen: 10.069 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Tgt Ion:164 Resp: 21710
Ion Ratio Lower Upper
164 100
166 138.5 102.7 154.1
129 103.4 69.8 104.6
131 77.2 69.4 104.0



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





#65

Chlorobenzene

Concen: 9.786 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

Instrument :

MSVOA_D

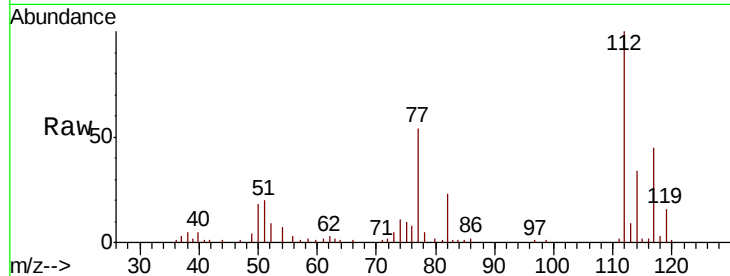
ClientSampleId :

Tot Ion:112 Resp: 60687

Ion Ratio Lower Upper

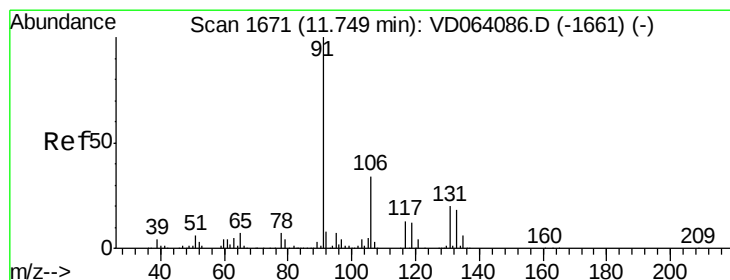
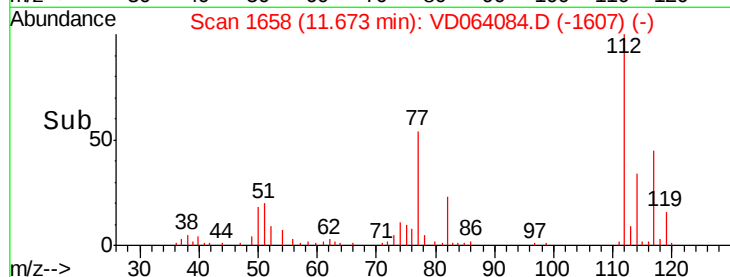
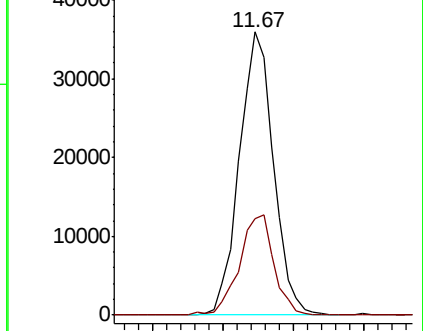
112 100

114 34.2 25.4 38.0



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: 10.111 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

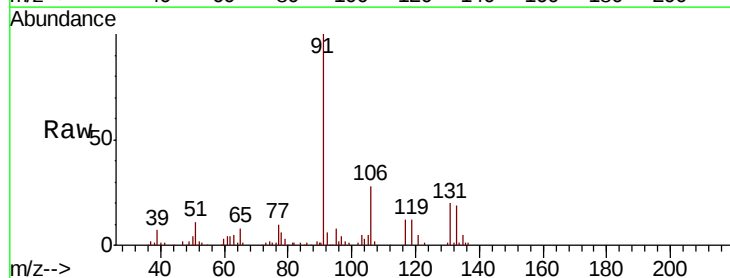
Tgt Ion:131 Resp: 23462

Ion Ratio Lower Upper

131 100

133 93.7 47.6 142.9

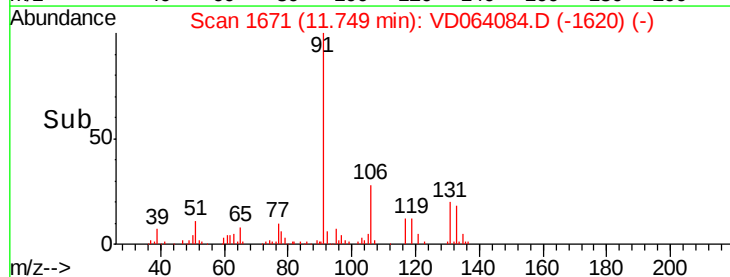
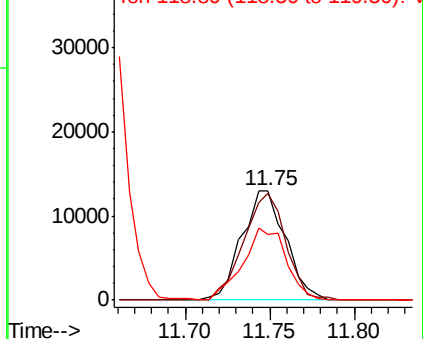
119 65.3 31.4 94.3

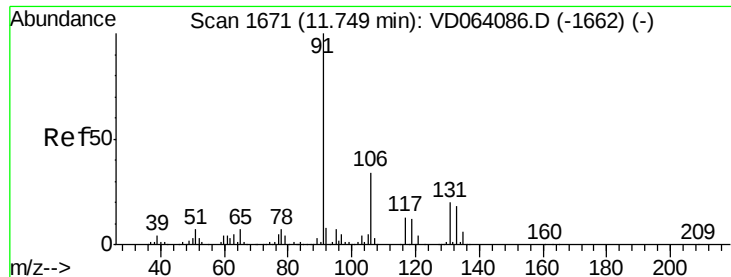


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 9.703 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

Instrument :

MSVOA_D

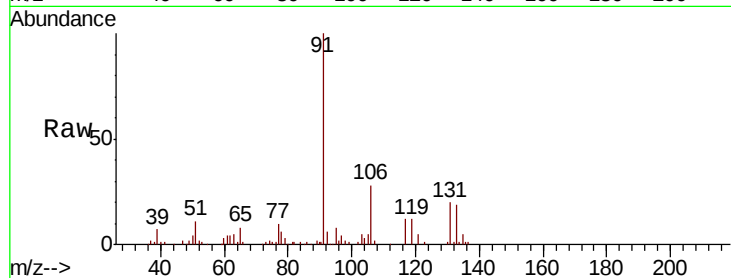
ClientSampleId :

Tot Ion: 91 Resp: 107022

Ion Ratio Lower Upper

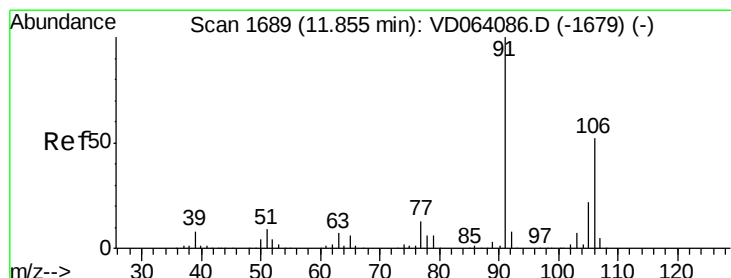
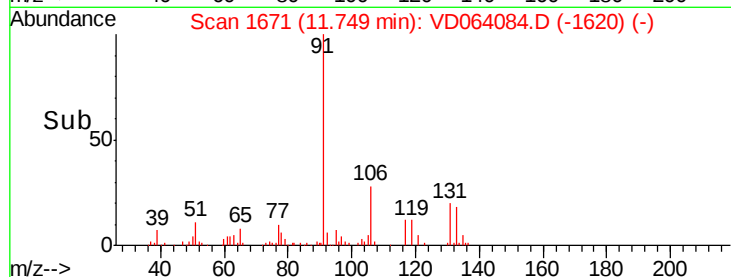
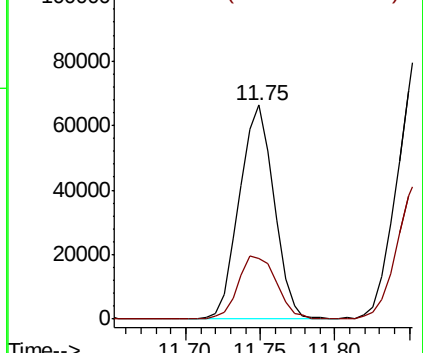
91 100

106 28.4 27.0 40.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 19.180 ug/l

RT: 11.85 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064084.D

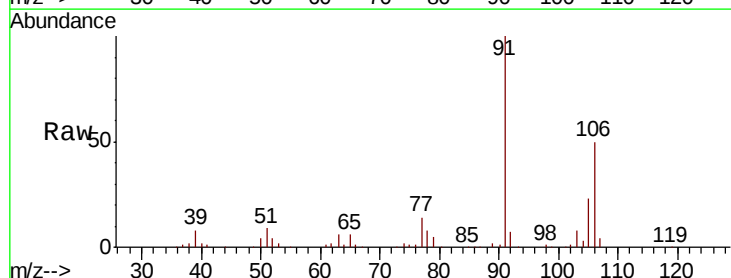
Acq: 29 Oct 2019 12:42

Tgt Ion: 106 Resp: 85093

Ion Ratio Lower Upper

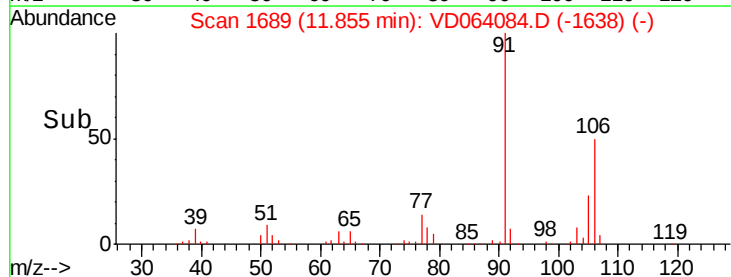
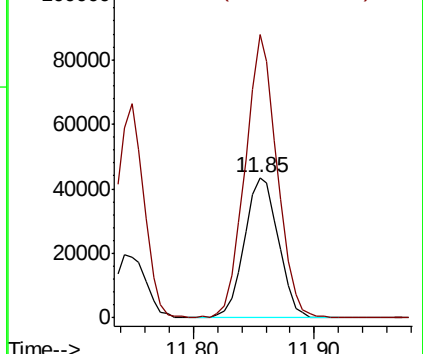
106 100

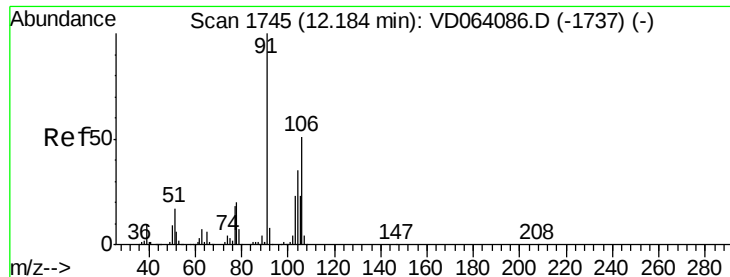
91 189.4 154.0 231.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC

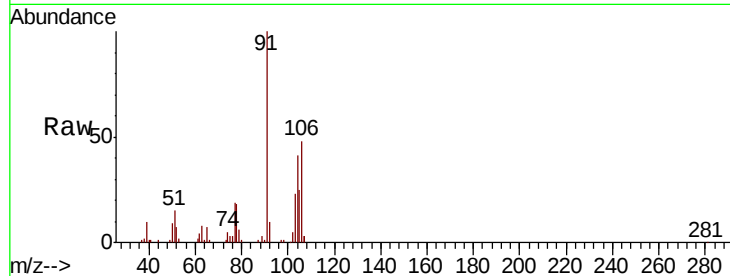




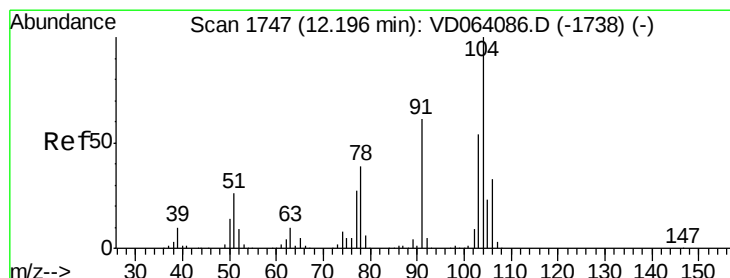
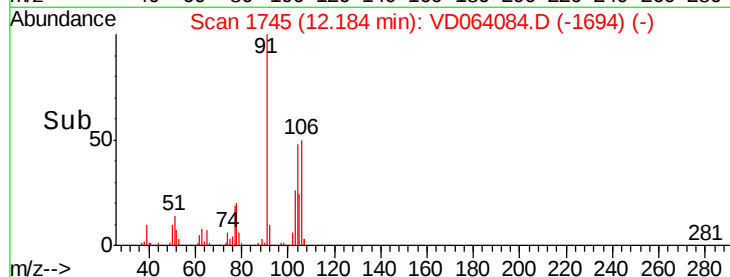
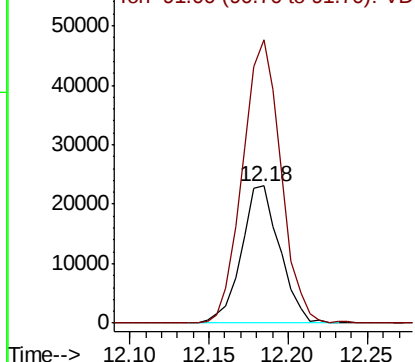
#69
o-Xylene
Concen: 9.555 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 38687
Ion Ratio Lower Upper
106 100
91 206.1 100.6 301.9

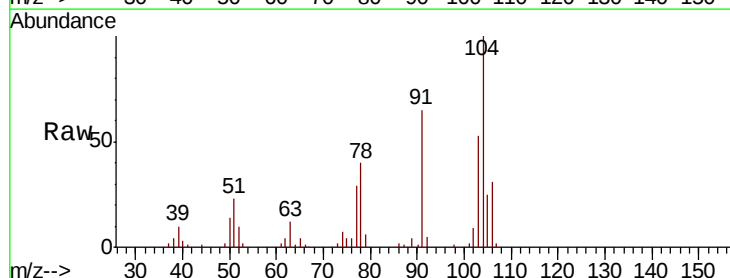


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

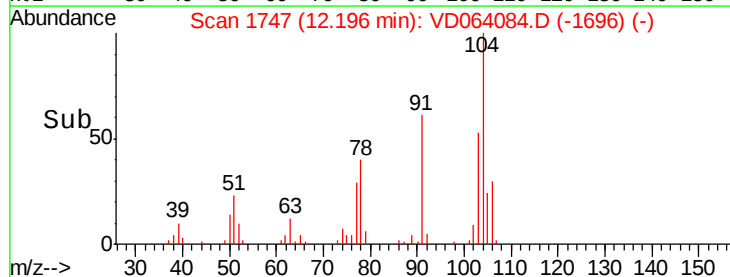
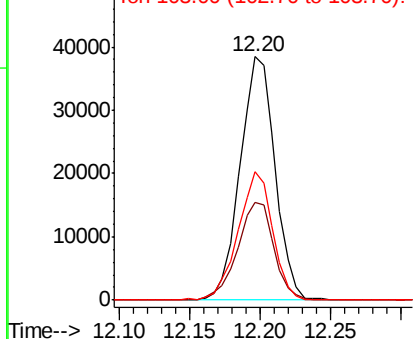


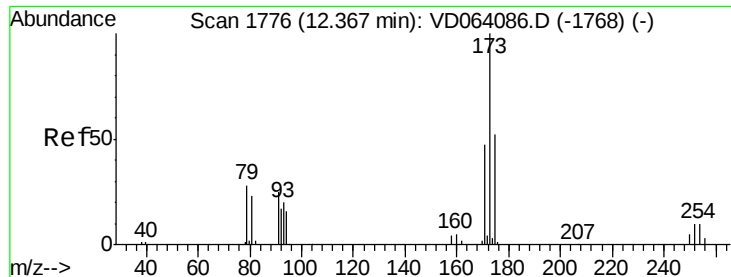
#70
Styrene
Concen: 9.538 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Tgt Ion:104 Resp: 66605
Ion Ratio Lower Upper
104 100
78 41.7 34.6 51.8
103 51.8 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

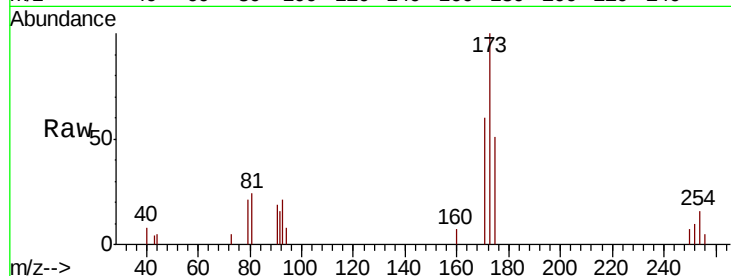




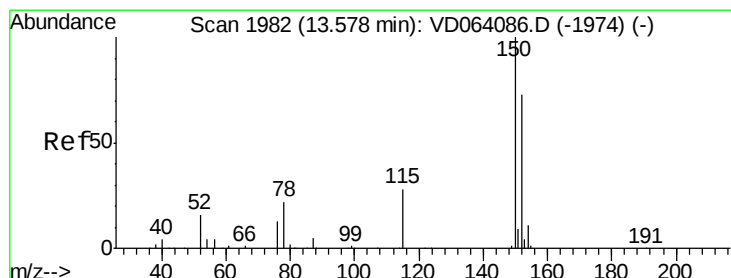
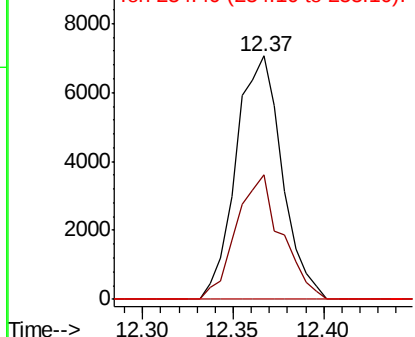
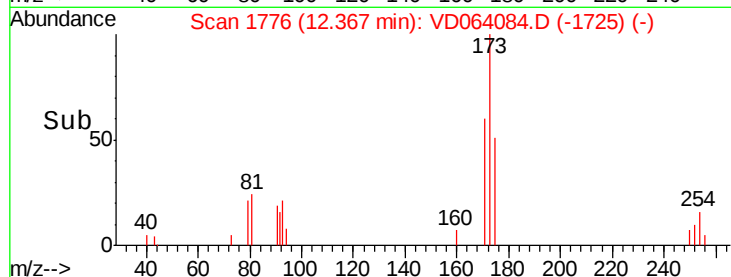
#71
Bromoform
Concen: 10.066 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 12474
Ion Ratio Lower Upper
173 100
175 50.2 24.3 72.9
254 0.0 0.0 0.0

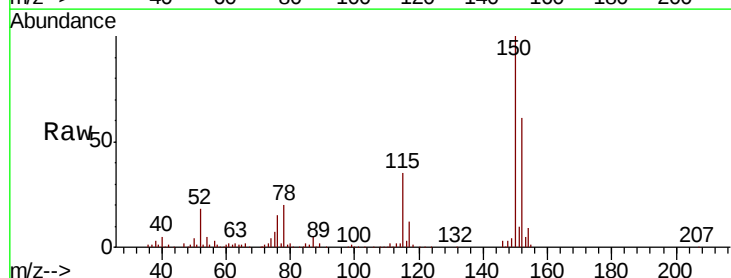


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

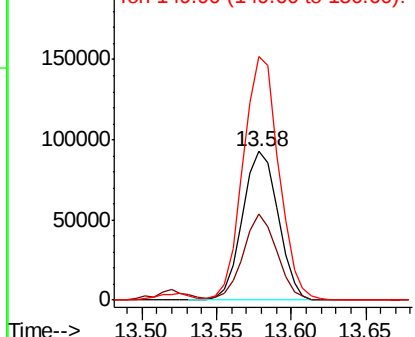
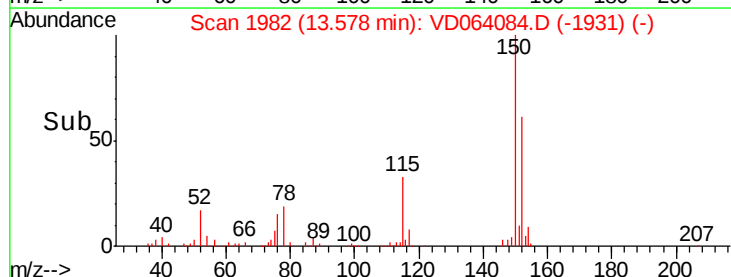


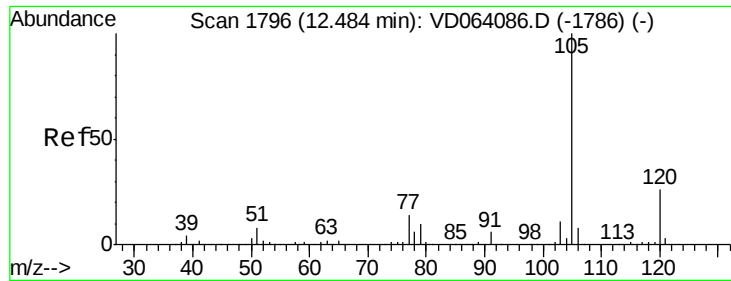
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Tgt Ion:152 Resp: 153801
Ion Ratio Lower Upper
152 100
115 55.0 26.2 78.6
150 163.2 0.0 338.8



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: 10.046 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

Instrument :

MSVOA_D

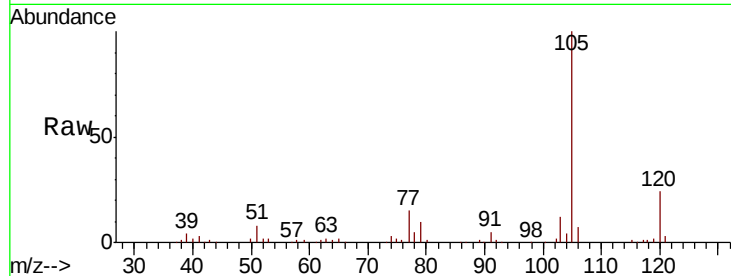
ClientSampleId :

Tot Ion:105 Resp: 107370

Ion Ratio Lower Upper

105 100

120 27.6 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

80000

60000

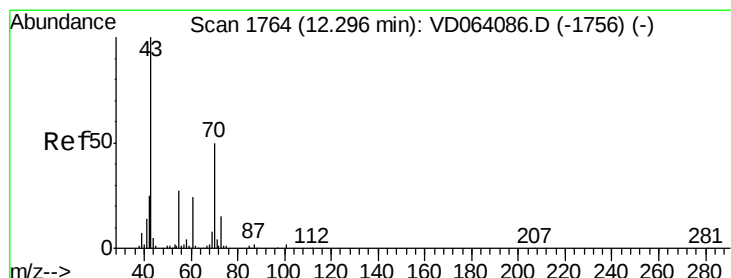
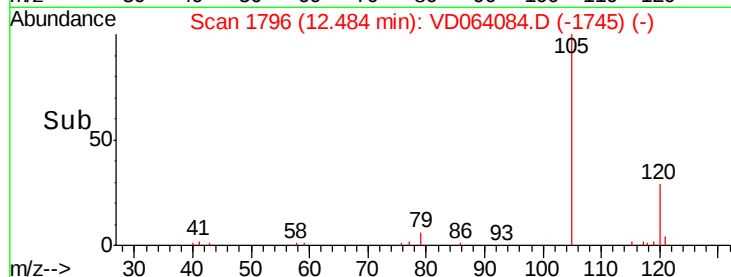
40000

20000

0

Time-->

12.40 12.45 12.50 12.55



#74

N-ethyl acetate

Concen: 9.184 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

Tgt Ion: 43 Resp: 16306

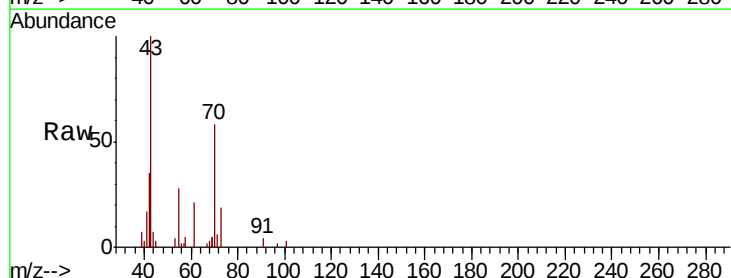
Ion Ratio Lower Upper

43 100

70 48.4 38.6 58.0

55 30.8 20.4 30.6#

61 23.3 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

15000

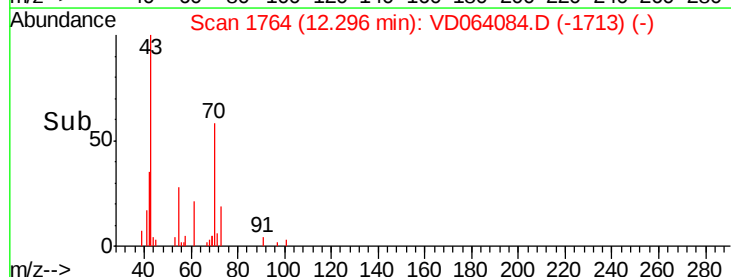
10000

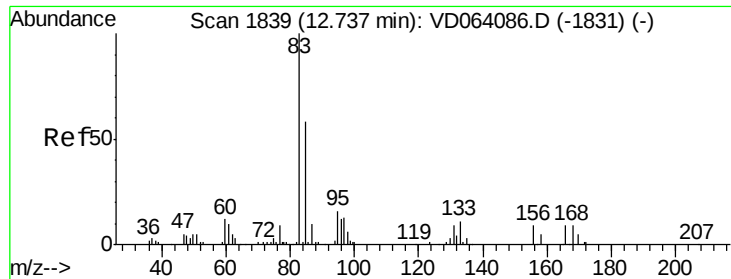
5000

0

Time-->

12.25 12.30 12.35





#75

1,1,2,2-Tetrachloroethane

Concen: 10.519 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

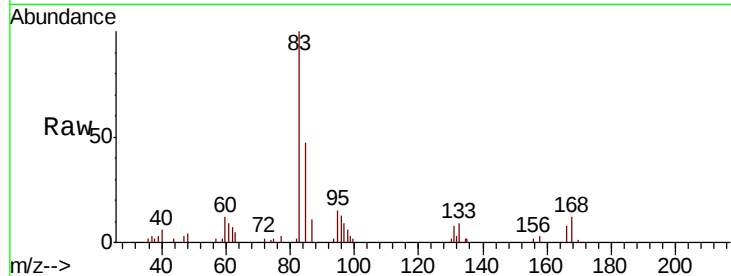
Tot Ion: 83 Resp: 17721

Ion Ratio Lower Upper

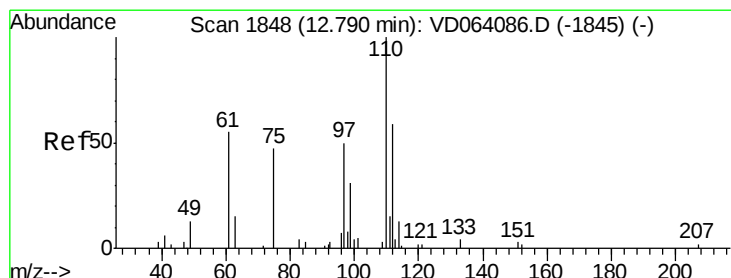
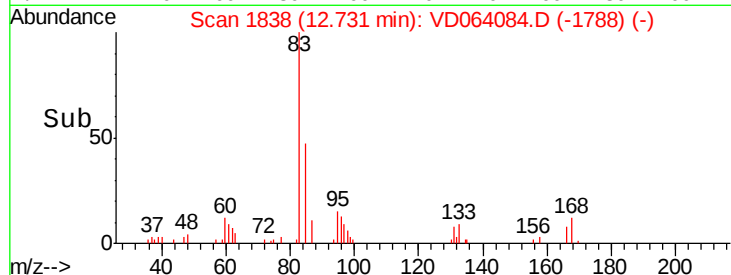
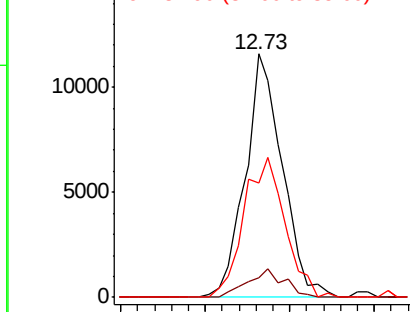
83 100

131 11.5 5.7 17.0

85 63.5 32.1 96.5



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



#76

1,2,3-Trichloropropane

Concen: 11.219 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD064084.D

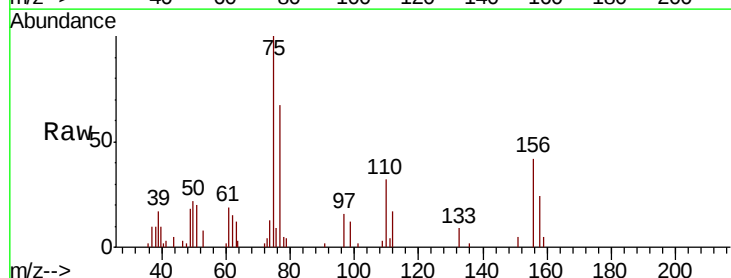
Acq: 29 Oct 2019 12:42

Tgt Ion: 75 Resp: 21409

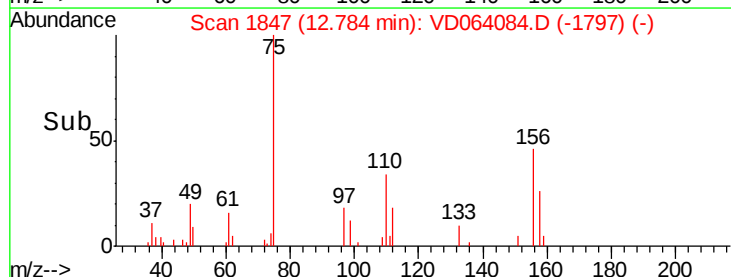
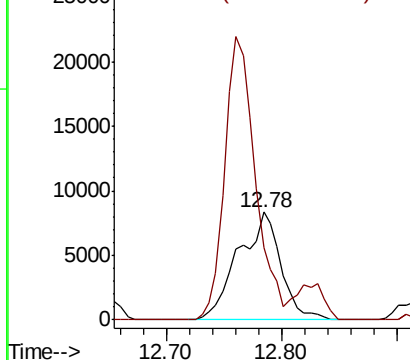
Ion Ratio Lower Upper

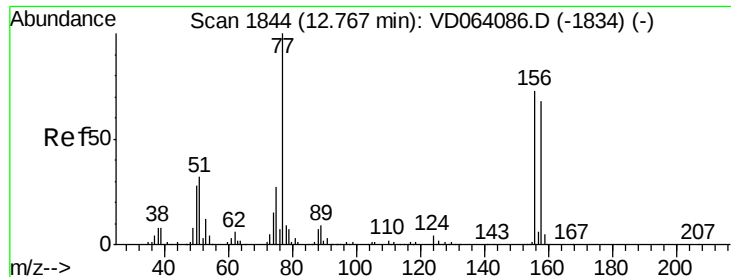
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 10.489 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

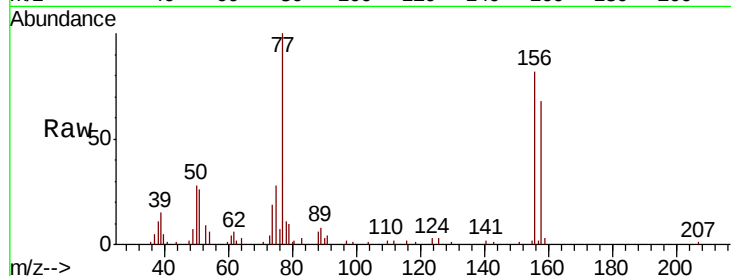
Tot Ion:156 Resp: 27066

Ion Ratio Lower Upper

156 100

77 149.1 76.0 228.0

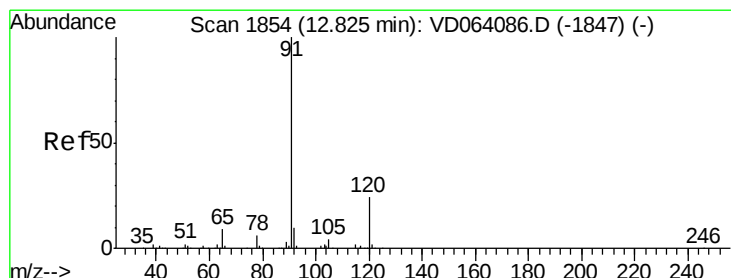
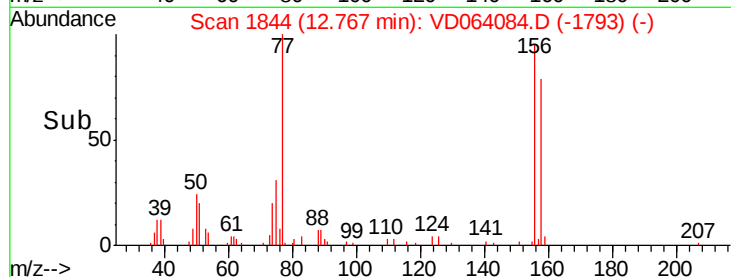
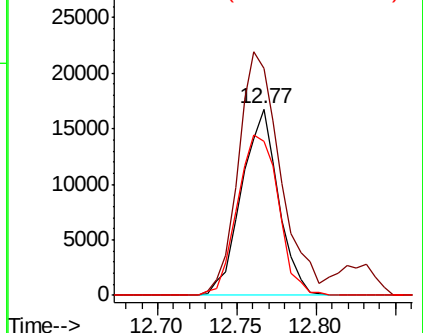
158 95.8 47.6 142.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 9.739 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064084.D

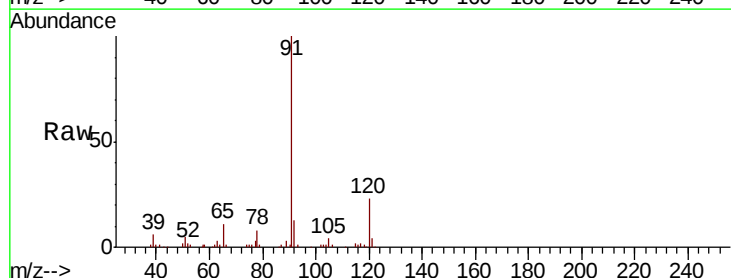
Acq: 29 Oct 2019 12:42

Tgt Ion: 91 Resp: 121983

Ion Ratio Lower Upper

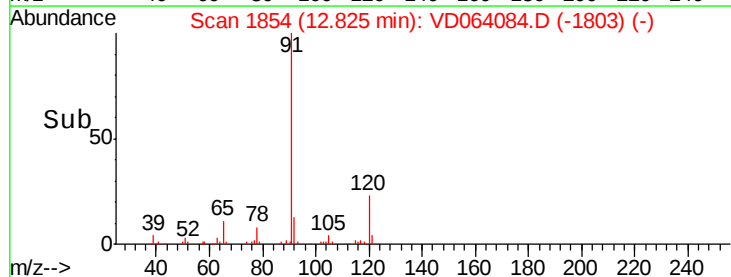
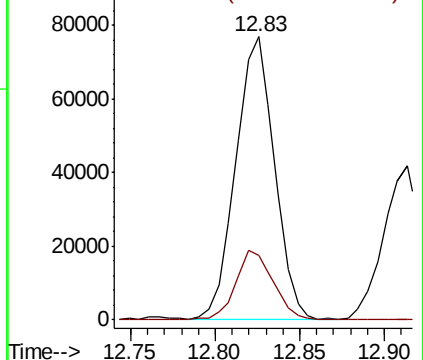
91 100

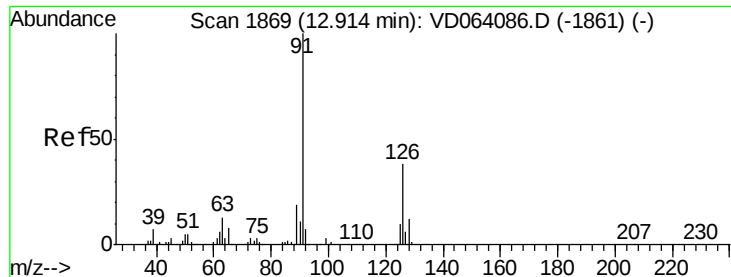
120 23.8 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

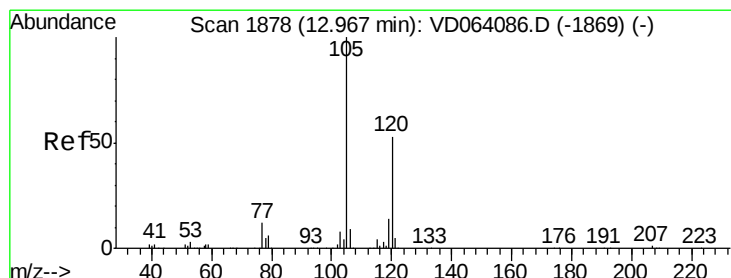
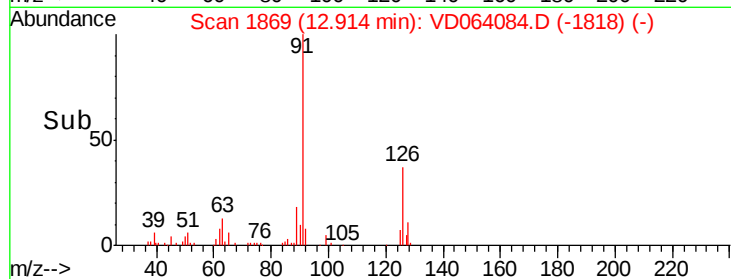
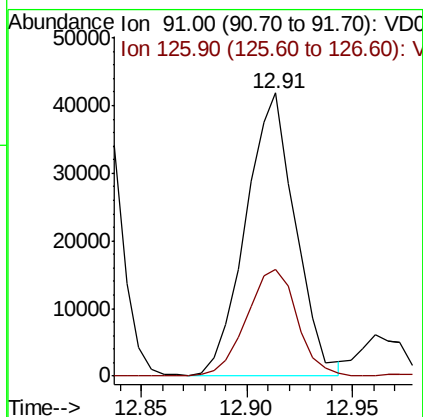
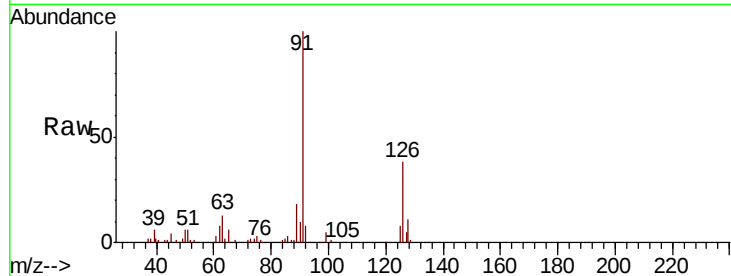




#79
2-Chlorotoluene
Concen: 10.140 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

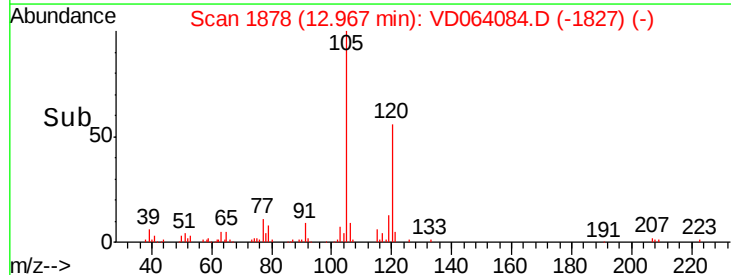
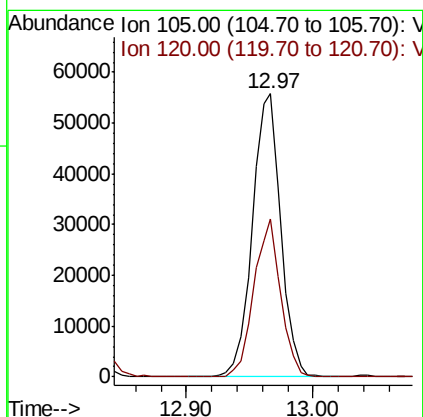
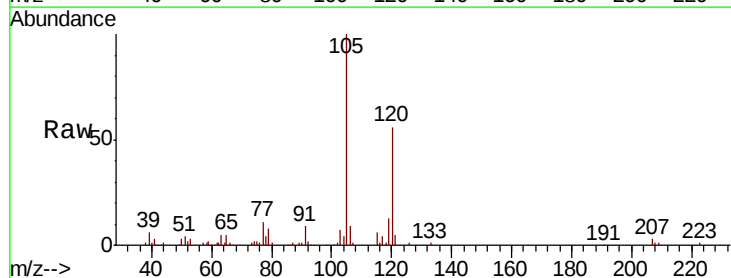
Instrument :
MSVOA_D
ClientSampleId :

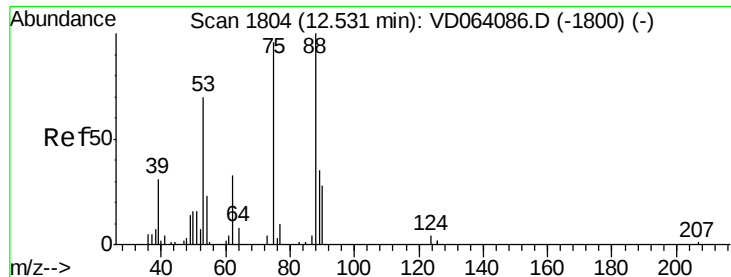
Tot Ion: 91 Resp: 68078
Ion Ratio Lower Upper
91 100
126 38.6 19.1 57.1



#80
1,3,5-Trimethylbenzene
Concen: 9.726 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Tgt Ion: 105 Resp: 86994
Ion Ratio Lower Upper
105 100
120 52.7 25.8 77.4





#81

trans-1,4-Dichloro-2-butene

Concen: 8.551 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

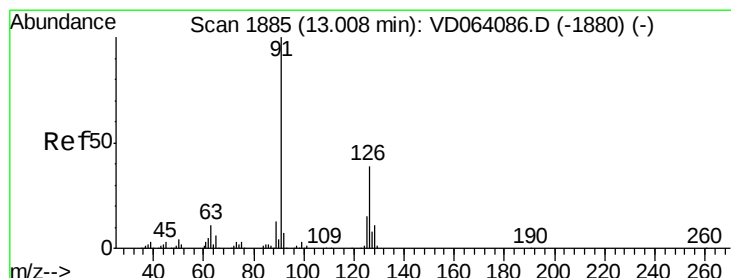
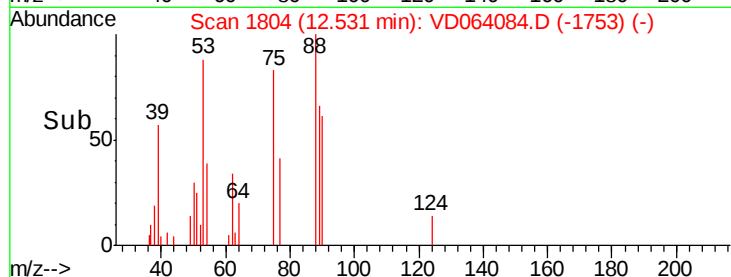
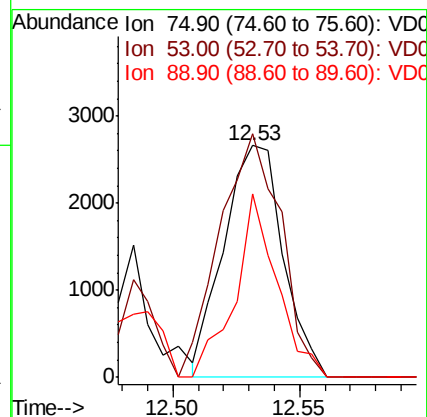
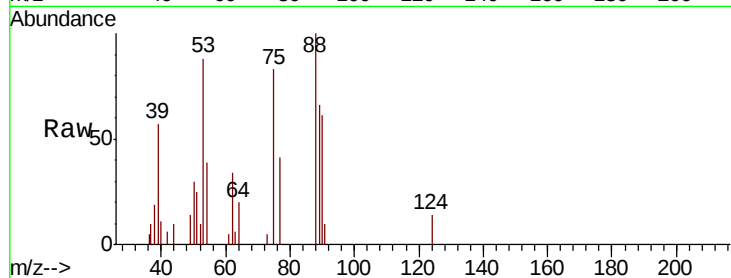
Tot Ion: 75 Resp: 4327

Ion Ratio Lower Upper

75 100

53 108.2 68.6 103.0#

89 56.1 36.9 55.3#



#82

4-Chlorotoluene

Concen: 9.910 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD064084.D

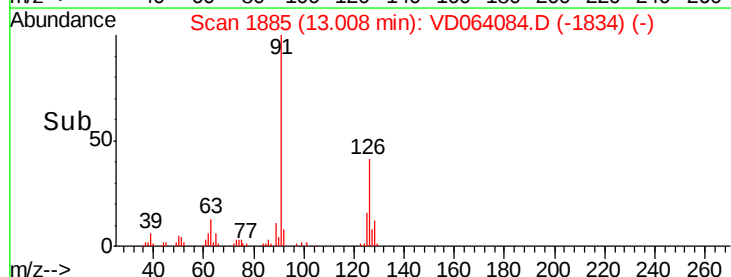
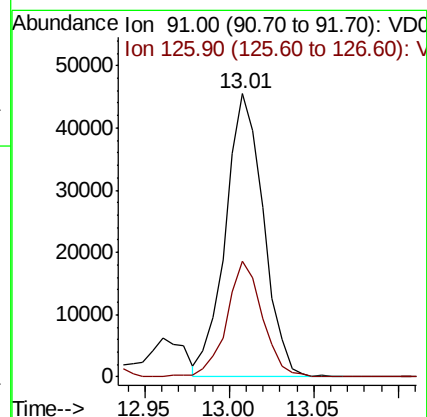
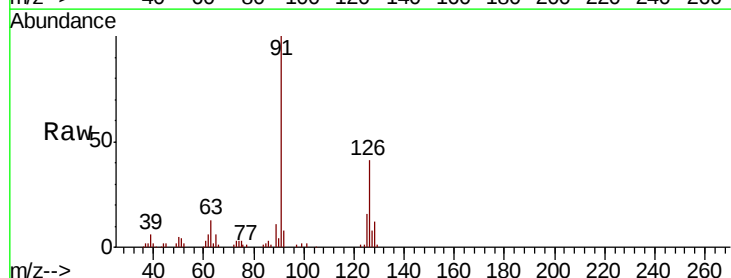
Acq: 29 Oct 2019 12:42

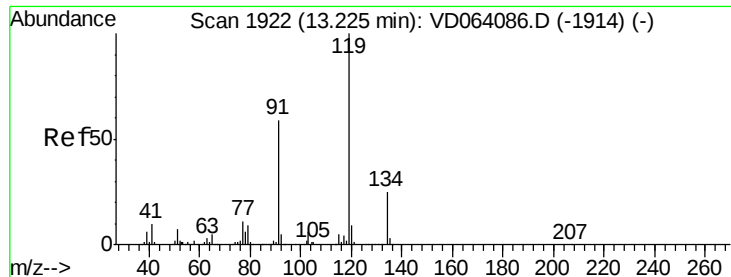
Tgt Ion: 91 Resp: 71096

Ion Ratio Lower Upper

91 100

126 38.3 18.9 56.5

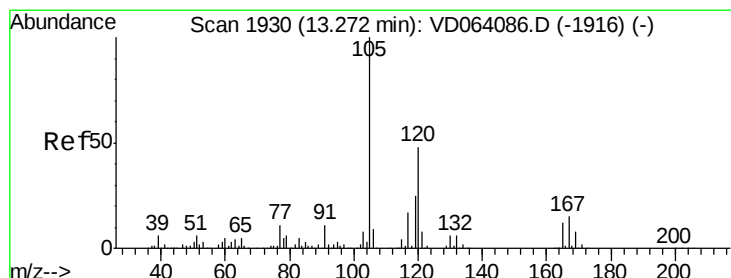
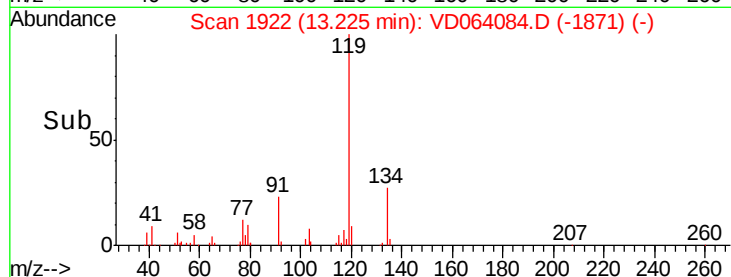
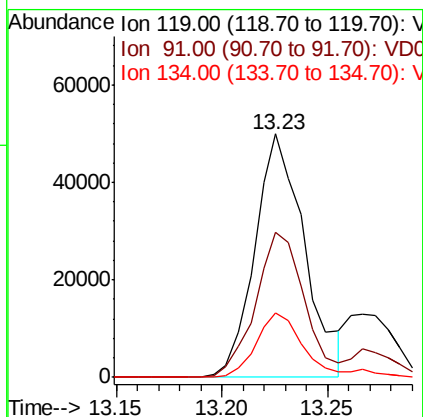
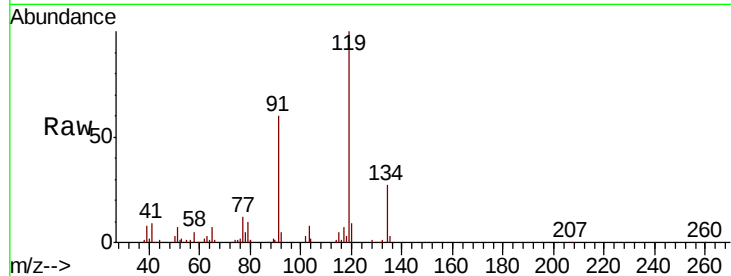




#83
tert-Butylbenzene
Concen: 10.200 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

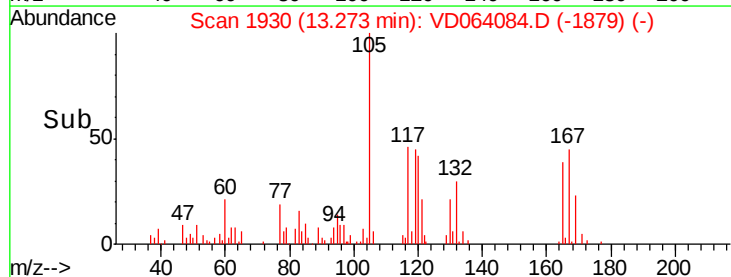
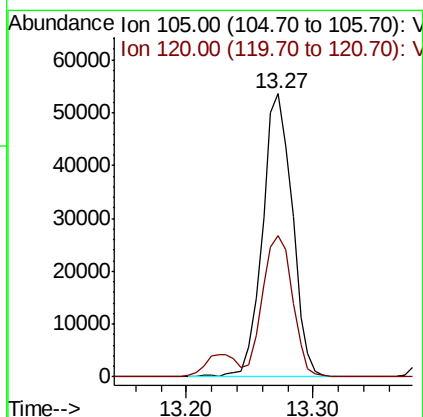
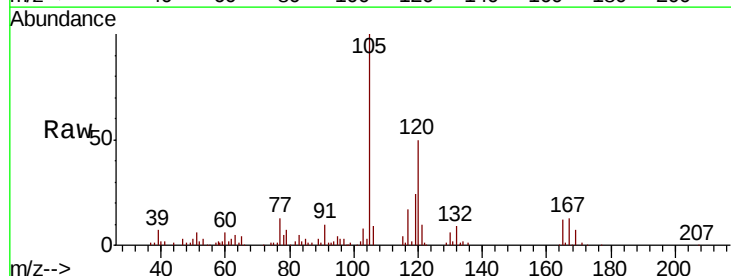
Instrument :
MSVOA_D
ClientSampleId :

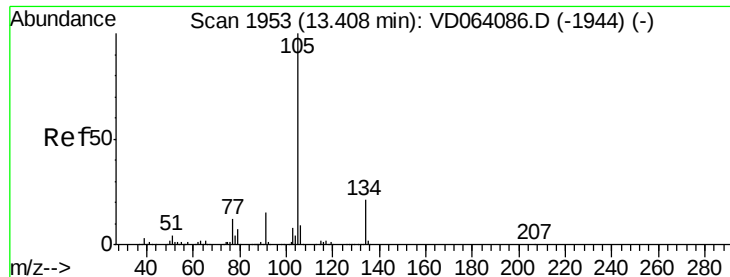
Tot Ion:119 Resp: 81944
Ion Ratio Lower Upper
119 100
91 58.5 28.3 85.0
134 26.4 12.9 38.6



#84
1,2,4-Trimethylbenzene
Concen: 9.755 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Tgt Ion:105 Resp: 87658
Ion Ratio Lower Upper
105 100
120 50.6 24.1 72.4





#85

sec-Butylbenzene

Concen: 9.753 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

Instrument :

MSVOA_D

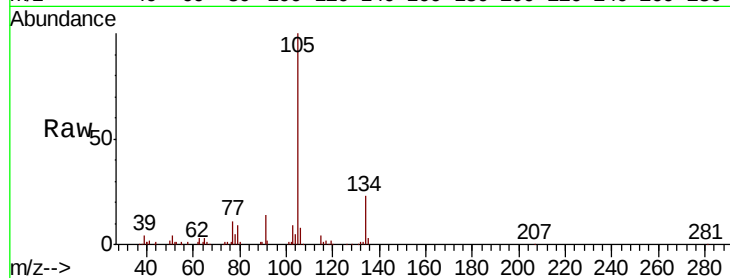
ClientSampleId :

Tot Ion:105 Resp: 107602

Ion Ratio Lower Upper

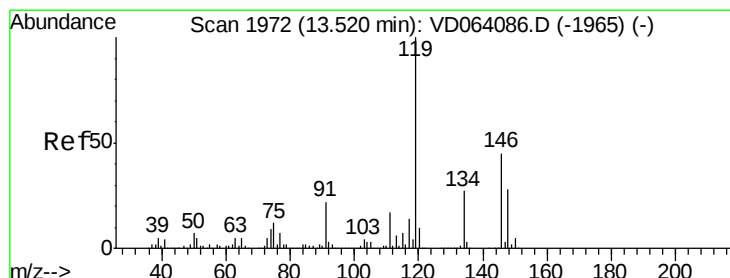
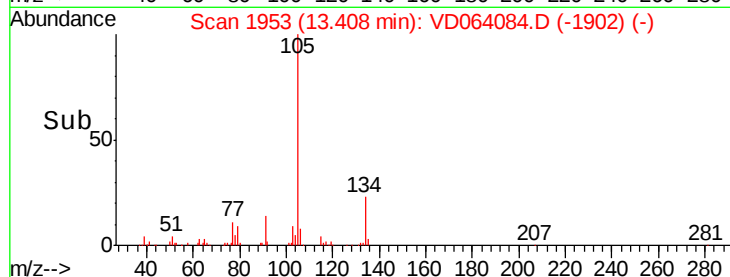
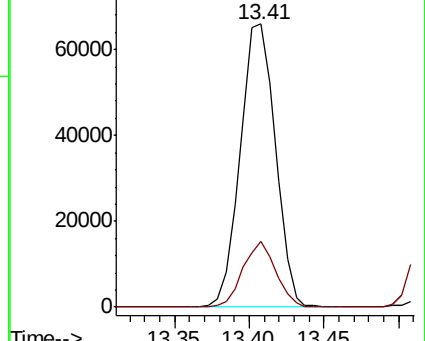
105 100

134 21.5 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 9.812 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

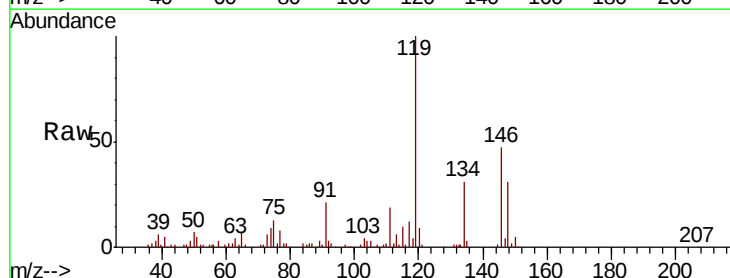
Tgt Ion:119 Resp: 101712

Ion Ratio Lower Upper

119 100

134 29.1 13.6 40.8

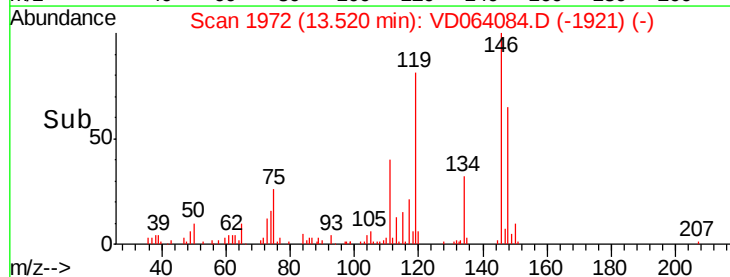
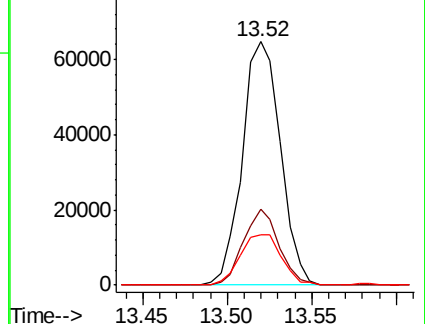
91 22.9 10.9 32.6

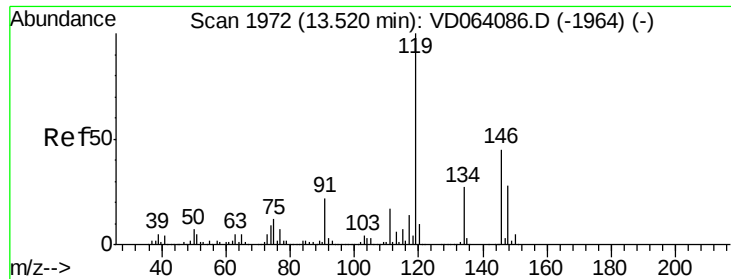


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

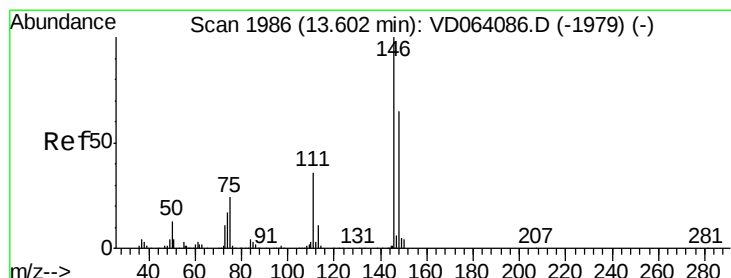
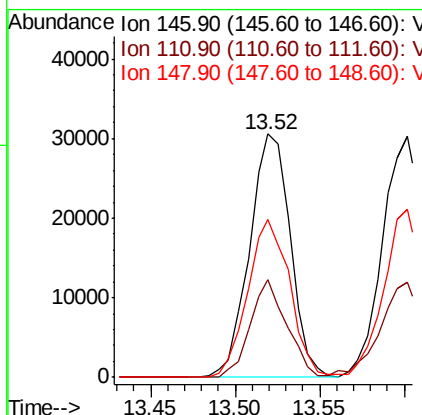
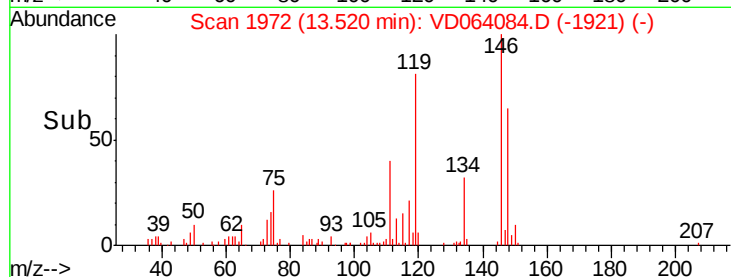
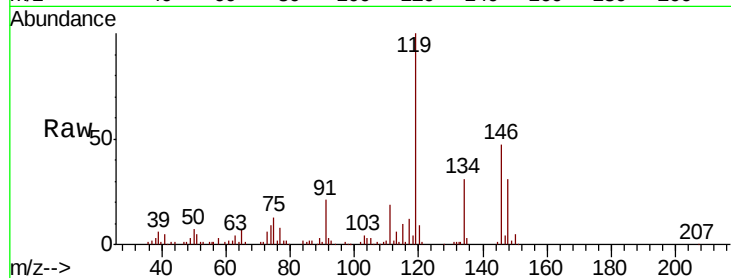




#87
1,3-Dichlorobenzene
Concen: 9.885 ug/l
RT: 13.52 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

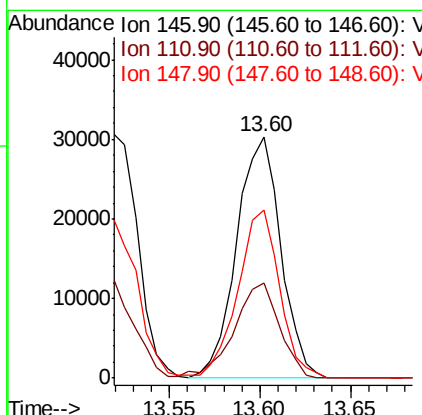
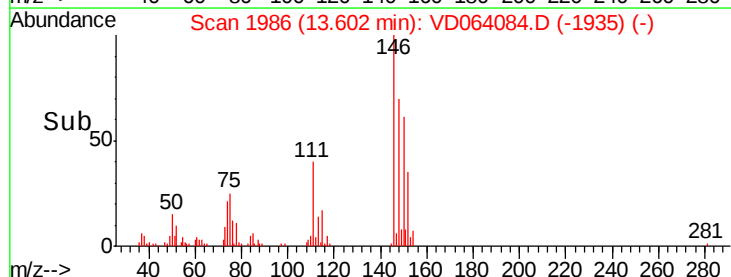
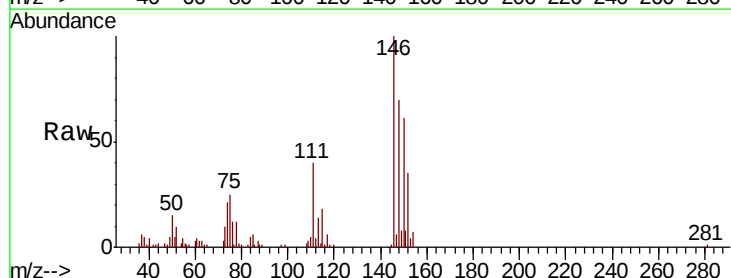
Instrument :
MSVOA_D
ClientSampleId :

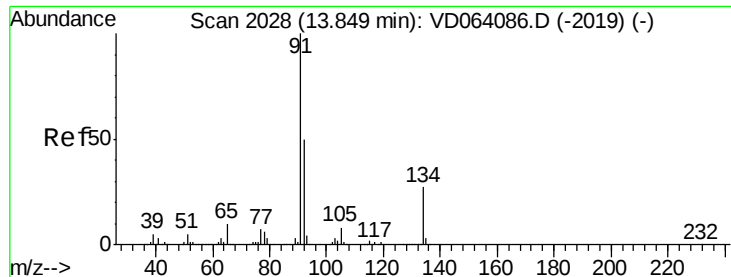
Tot Ion:146 Resp: 51115
Ion Ratio Lower Upper
146 100
111 36.0 18.9 56.9
148 67.3 32.1 96.3



#88
1,4-Dichlorobenzene
Concen: 10.084 ug/l
RT: 13.60 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Tgt Ion:146 Resp: 51405
Ion Ratio Lower Upper
146 100
111 40.5 18.4 55.4
148 66.0 32.4 97.0

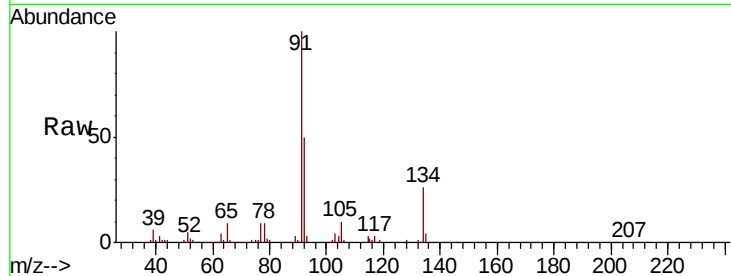




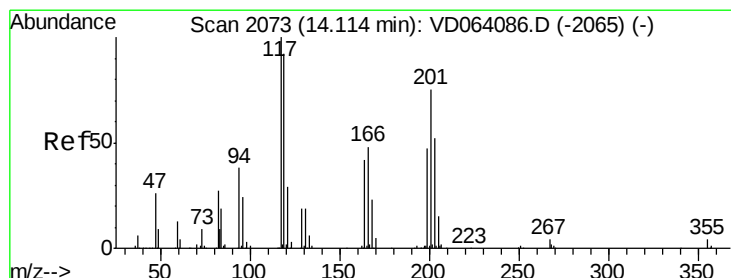
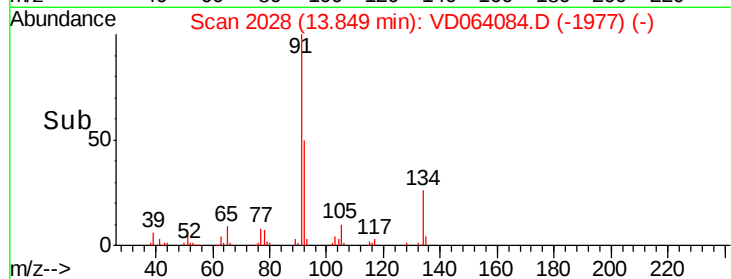
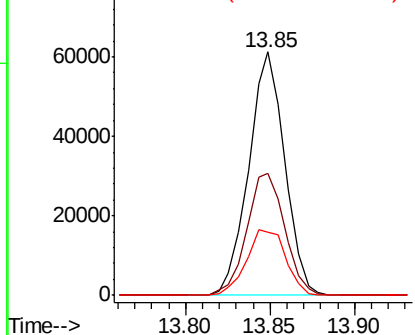
#89
n-Butylbenzene
Concen: 9.481 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 90650
Ion Ratio Lower Upper
91 100
92 52.9 25.6 76.6
134 29.4 14.0 42.0

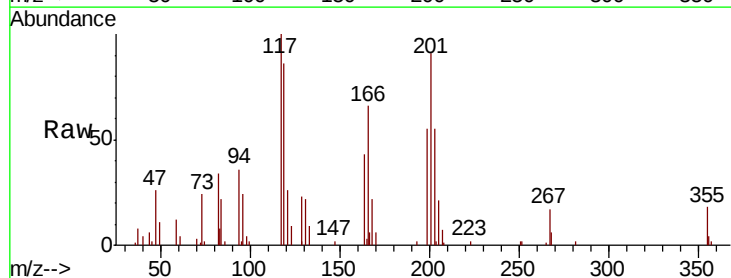


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.00 (133.70 to 134.70): V

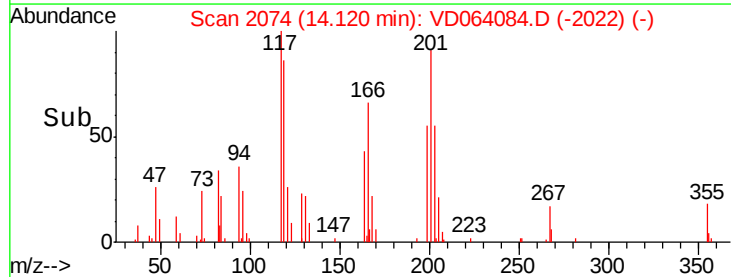
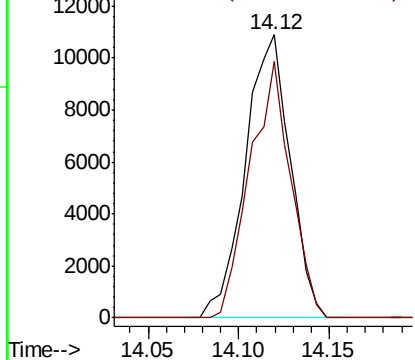


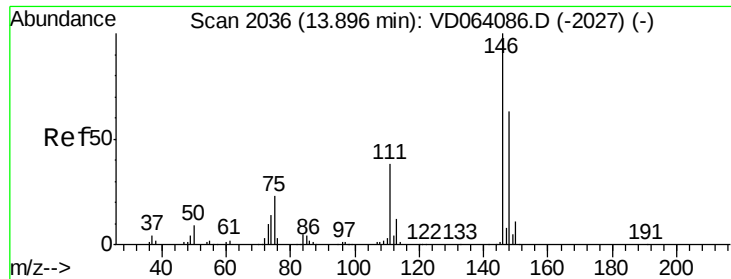
#90
Hexachloroethane
Concen: 9.654 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Tgt Ion: 117 Resp: 18737
Ion Ratio Lower Upper
117 100
201 82.4 38.4 115.2



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

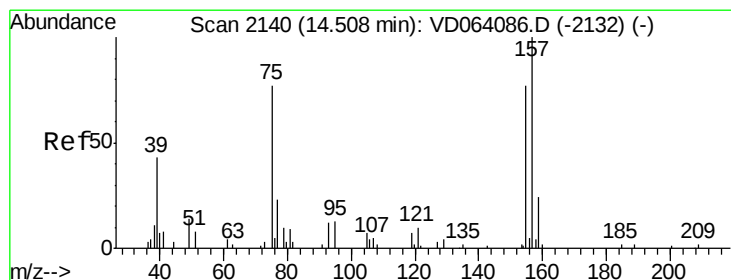
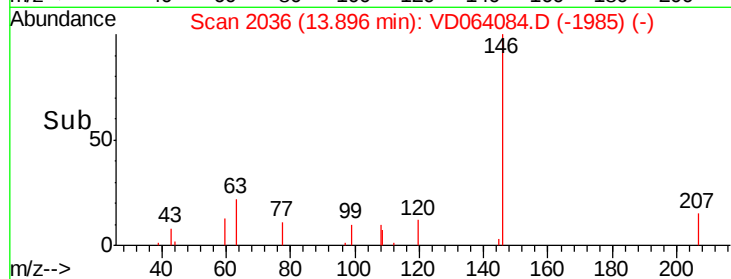
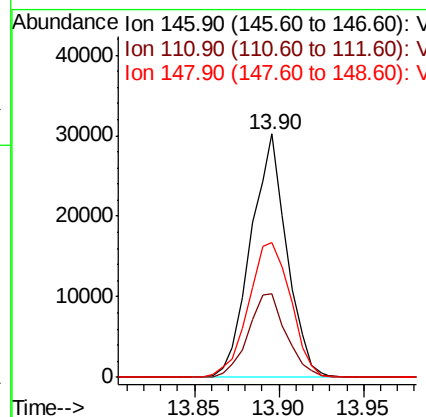
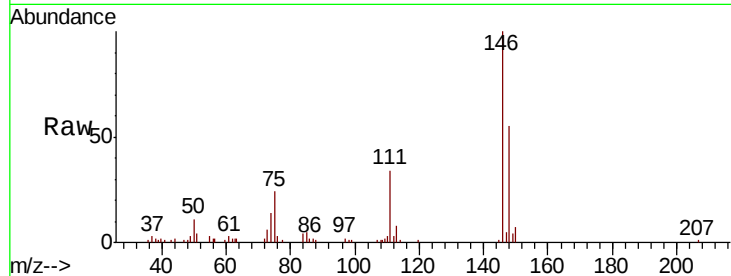




#91
 1,2-Dichlorobenzene
 Concen: 10.086 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064084.D
 Acq: 29 Oct 2019 12:42

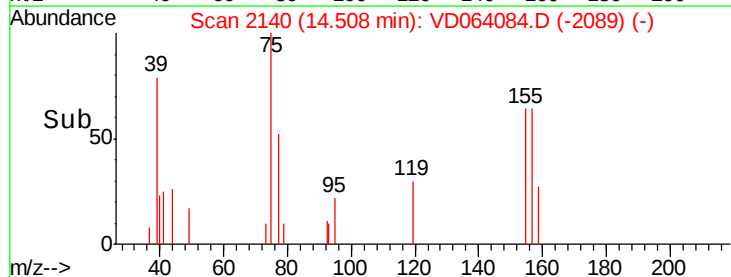
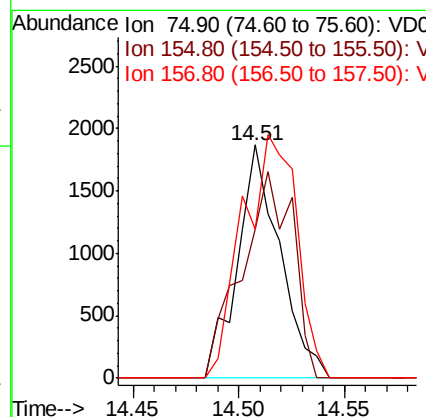
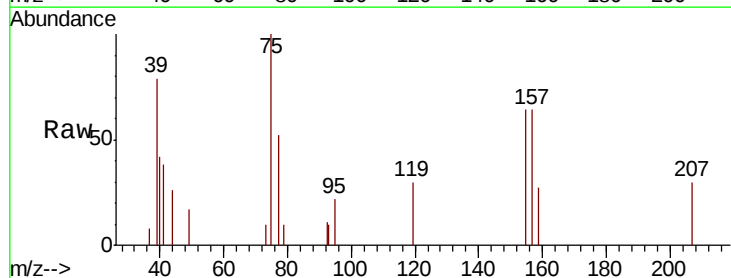
Instrument :
 MSVOA_D
 ClientSampleId :

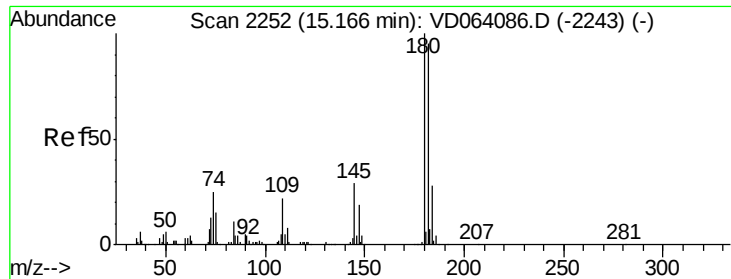
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	19.1	57.1
148	65.1	32.1	96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 10.564 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD064084.D
 Acq: 29 Oct 2019 12:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	106.2	56.3	168.9
157	133.2	72.2	216.6

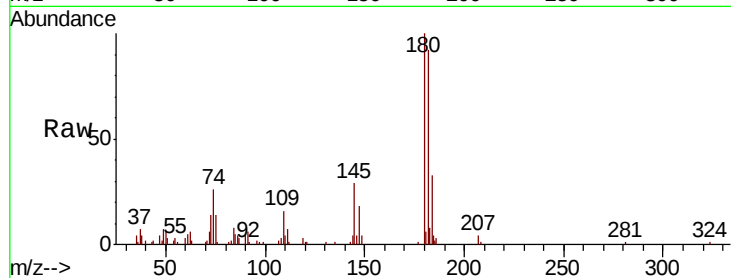




#93
 1,2,4-Trichlorobenzene
 Concen: 10.269 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD064084.D
 Acq: 29 Oct 2019 12:42

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	46.9	140.7
145	28.3	14.2	42.6

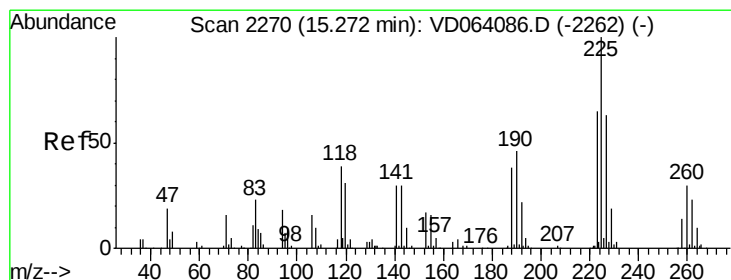
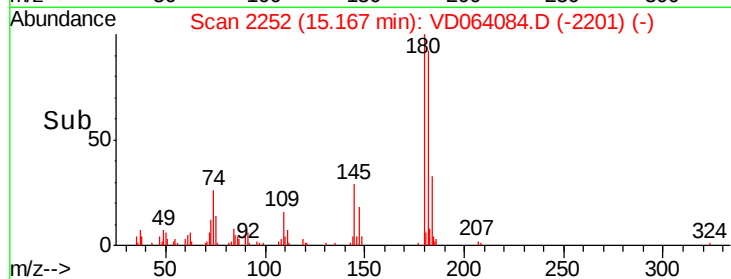
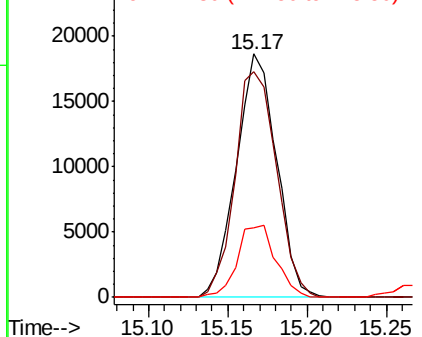


Abundance

Ion 179.80 (179.50 to 180.50): V

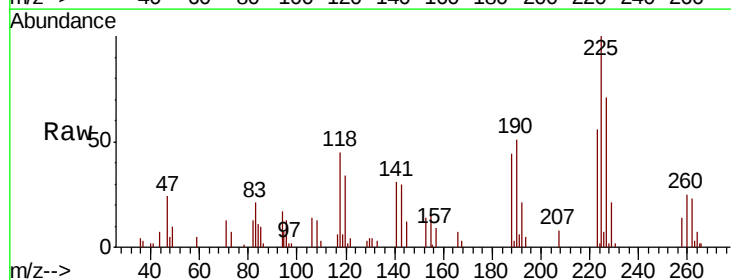
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 10.053 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD064084.D
 Acq: 29 Oct 2019 12:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	30.8	92.3
227	65.8	31.7	95.1

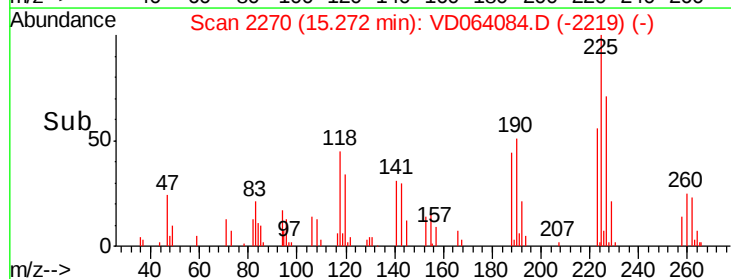
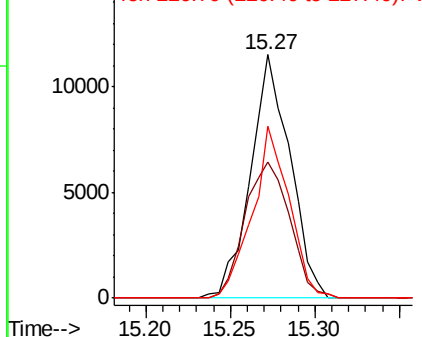


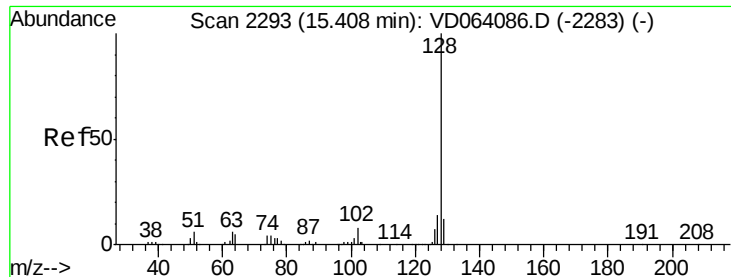
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 9.598 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

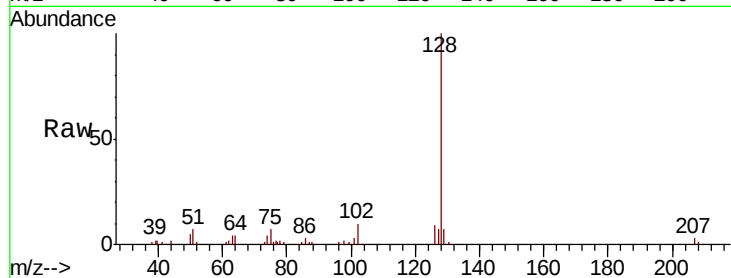
Tot Ion:128 Resp: 50077

Ion Ratio Lower Upper

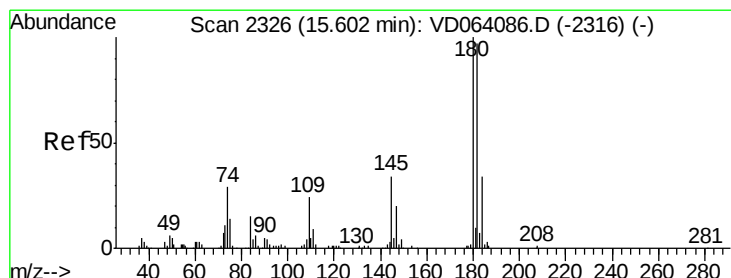
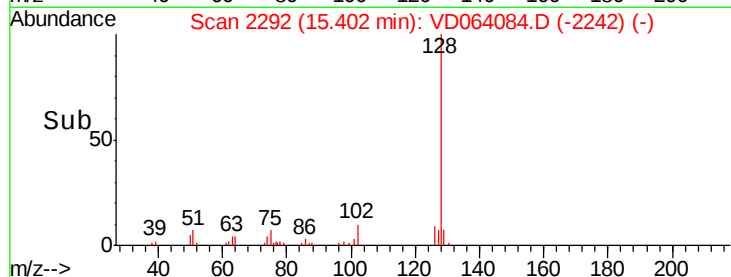
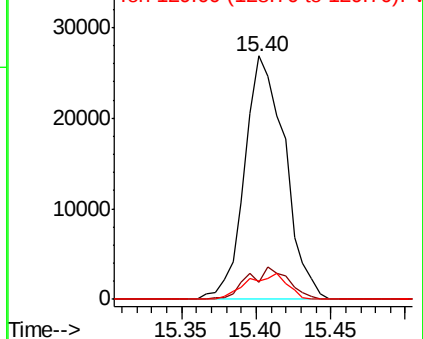
128 100

127 13.5 10.9 16.3

129 10.7 8.8 13.2



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



#96

1,2,3-Trichlorobenzene

Concen: 10.623 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

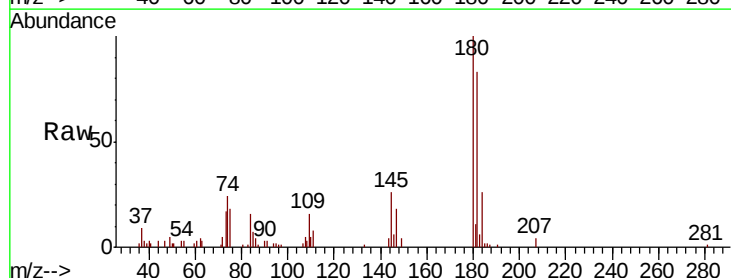
Tgt Ion:180 Resp: 29435

Ion Ratio Lower Upper

180 100

182 95.2 48.4 145.0

145 31.4 16.4 49.4



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

