

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101719\
 Data File : VD063995.D
 Acq On : 17 Oct 2019 10:12
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 17 17:29:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	194879	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	293080	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	289530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	170655	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	87868	46.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.62%	
35) Dibromofluoromethane	7.92	113	95151	53.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.24%	
50) Toluene-d8	10.34	98	391987	53.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.84%	
62) 4-Bromofluorobenzene	12.64	95	134445	53.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	58106	42.044	ug/l	98
3) Chloromethane	2.21	50	182761	48.856	ug/l	99
4) Vinyl Chloride	2.35	62	217973	48.799	ug/l	100
5) Bromomethane	2.77	94	131586	45.822	ug/l	96
6) Chloroethane	2.93	64	137522	46.554	ug/l	90
7) Trichlorofluoromethane	3.27	101	302404	51.205	ug/l	98
8) Diethyl Ether	3.71	74	40644	42.877	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	75341	46.087	ug/l	95
10) Methyl Iodide	4.30	142	95706	42.487	ug/l	99
11) Tert butyl alcohol	5.25	59	26202	197.090	ug/l	94
12) 1,1-Dichloroethene	4.06	96	74461	45.591	ug/l	89
13) Acrolein	3.93	56	30456	179.729	ug/l	86
14) Allyl chloride	4.71	41	120559	44.399	ug/l	97
15) Acrylonitrile	5.43	53	93644	224.072	ug/l	98
16) Acetone	4.17	43	126077	255.233	ug/l #	87
17) Carbon Disulfide	4.40	76	243599	41.031	ug/l #	85
18) Methyl Acetate	4.72	43	44379	45.934	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	186099	44.003	ug/l	96
20) Methylene Chloride	4.96	84	94503	42.676	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	95451	46.946	ug/l	99
22) Diisopropyl ether	6.37	45	259040	46.710	ug/l	98
23) Vinyl Acetate	6.31	43	760829	230.621	ug/l	99
24) 1,1-Dichloroethane	6.26	63	162907	47.691	ug/l	96
25) 2-Butanone	7.22	43	143059	244.376	ug/l	99
26) 2,2-Dichloropropane	7.21	77	145065	46.946	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	109942	47.773	ug/l	96
28) Bromochloromethane	7.54	49	66013	50.800	ug/l	100
29) Tetrahydrofuran	7.57	42	72718	212.818	ug/l	97
30) Chloroform	7.71	83	174716	47.092	ug/l	100
31) Cyclohexane	7.98	56	152043	54.169	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	159945	50.257	ug/l	98
36) 1,1-Dichloropropene	8.11	75	138032	51.510	ug/l	98
37) Ethyl Acetate	7.30	43	50595	46.834	ug/l	97
38) Carbon Tetrachloride	8.10	117	148618	54.882	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	180719	54.849	ug/l	91
40) Benzene	8.35	78	395566	51.511	ug/l	96
41) Methacrylonitrile	7.53	41	31859	51.280	ug/l #	84
42) 1,2-Dichloroethane	8.43	62	107303	48.306	ug/l	98
43) Isopropyl Acetate	8.46	43	101516	45.173	ug/l	99
44) Trichloroethene	9.11	130	112881	50.976	ug/l	97
45) 1,2-Dichloropropane	9.39	63	94768	50.419	ug/l	89
46) Dibromomethane	9.48	93	55482	51.830	ug/l	96
47) Bromodichloromethane	9.67	83	136924	49.682	ug/l	99
48) Methyl methacrylate	9.46	41	47742	44.339	ug/l	100
49) 1,4-Dioxane	9.47	88	13945	954.371	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	272321	233.652	ug/l	98
52) Toluene	10.41	92	278212	52.775	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	134531	50.023	ug/l	92
54) cis-1,3-Dichloropropene	10.09	75	157762	50.961	ug/l	93
55) 1,1,2-Trichloroethane	10.81	97	75625	50.035	ug/l	94
56) Ethyl methacrylate	10.67	69	89602	46.813	ug/l	99
57) 1,3-Dichloropropane	10.95	76	125662	48.593	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	196172	238.443	ug/l	98
59) 2-Hexanone	10.99	43	214856	254.845	ug/l	100
60) Dibromochloromethane	11.14	129	101991	51.831	ug/l	97
61) 1,2-Dibromoethane	11.25	107	76167	51.981	ug/l	100
64) Tetrachloroethene	10.88	164	102888	52.054	ug/l	96
65) Chlorobenzene	11.67	112	310210	53.351	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	113095	52.786	ug/l	99
67) Ethyl Benzene	11.75	91	551947	52.643	ug/l	96
68) m/p-Xylenes	11.86	106	448774	110.894	ug/l	96
69) o-Xylene	12.18	106	201686	52.047	ug/l	100
70) Styrene	12.20	104	349028	53.206	ug/l	100
71) Bromoform	12.36	173	64383	55.993	ug/l #	97
73) Isopropylbenzene	12.48	105	554789	48.359	ug/l	97
74) N-amyl acetate	12.29	43	101693	41.171	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	87593	43.877	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	114873	100.501	ug/l #	100
77) Bromobenzene	12.76	156	136188	47.648	ug/l	95
78) n-propylbenzene	12.83	91	669016	49.682	ug/l	100
79) 2-Chlorotoluene	12.91	91	356244	47.978	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	464616	48.544	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	28374	43.929	ug/l	98
82) 4-Chlorotoluene	13.01	91	368502	46.784	ug/l	98
83) tert-Butylbenzene	13.23	119	431176	50.619	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	470339	47.668	ug/l	99
85) sec-Butylbenzene	13.40	105	572492	49.768	ug/l	99
86) p-Isopropyltoluene	13.52	119	554327	50.925	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	276000	48.871	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	273180	49.031	ug/l	98
89) n-Butylbenzene	13.85	91	518855	51.208	ug/l	98
90) Hexachloroethane	14.12	117	103159	52.692	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	240929	49.503	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14256	45.753	ug/l	85

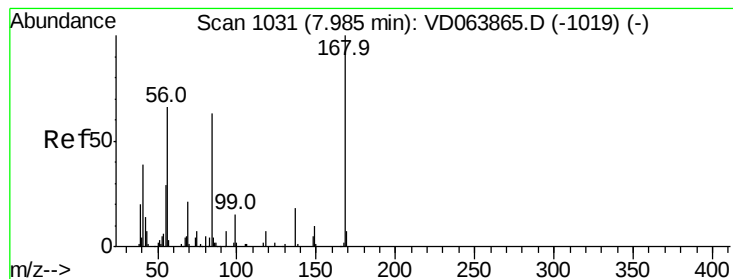
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	180045	47.943	ug/l	99
94) Hexachlorobutadiene	15.27	225	103199	49.798	ug/l	95
95) Naphthalene	15.41	128	296584	46.988	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	152380	47.029	ug/l	100

(#) = 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: VD063995.D

Acq: 17 Oct 2019 10:12

Instrument :

MSVOA_D

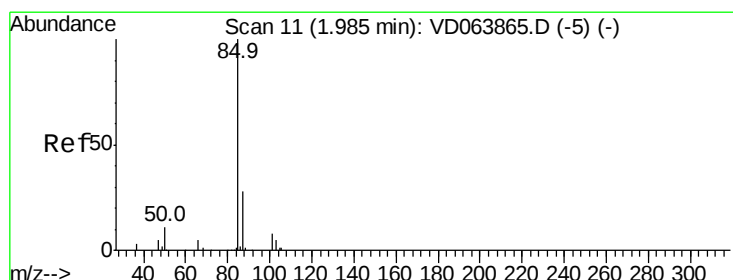
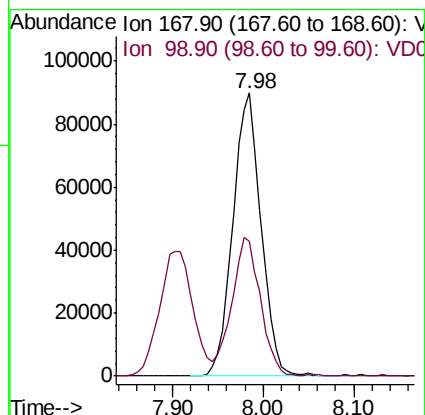
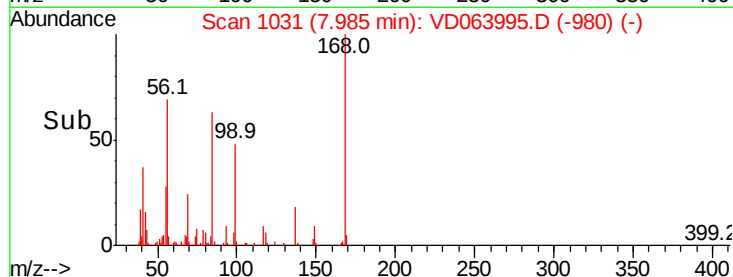
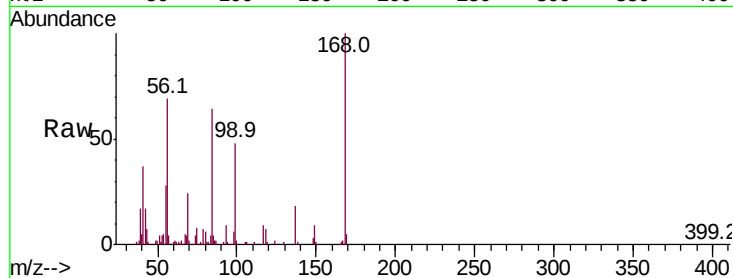
ClientSampleId :

Tot Ion:168 Resp: 194879

Ion Ratio Lower Upper

168 100

99 47.3 43.0 64.4



#2

Dichlorodifluoromethane

Concen: 42.044 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD063995.D

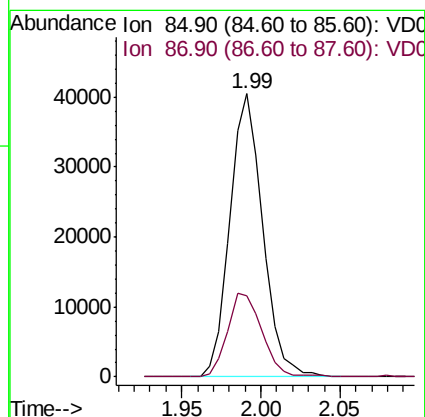
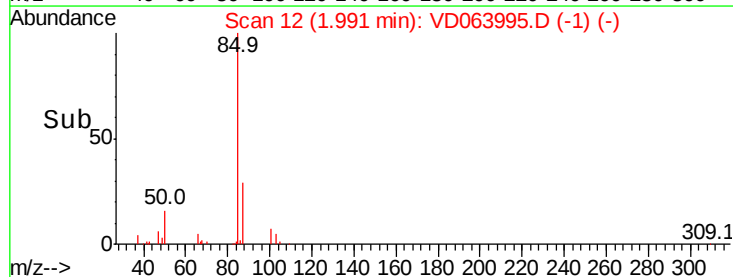
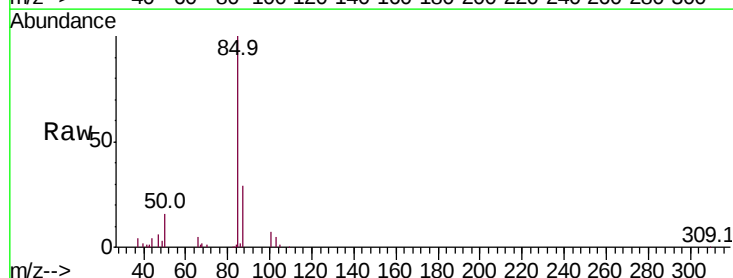
Acq: 17 Oct 2019 10:12

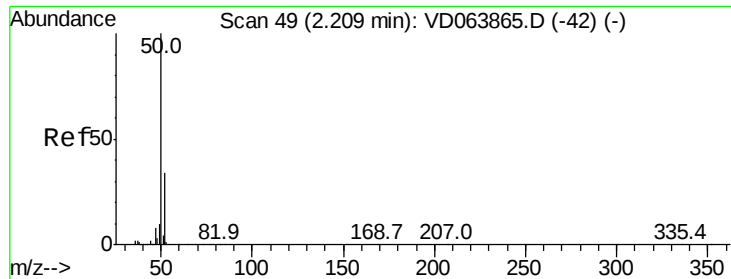
Tgt Ion: 85 Resp: 58106

Ion Ratio Lower Upper

85 100

87 28.9 14.0 42.0





#3

Chloromethane

Concen: 48.856 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063995.D

Acq: 17 Oct 2019 10:12

Instrument :

MSVOA_D

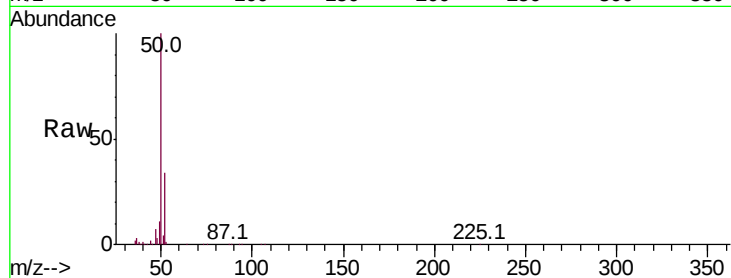
ClientSampleId :

Tot Ion: 50 Resp: 182761

Ion Ratio Lower Upper

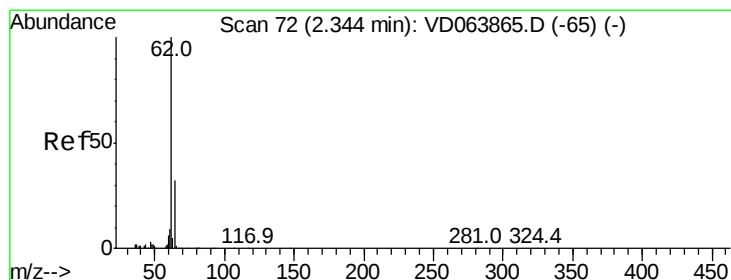
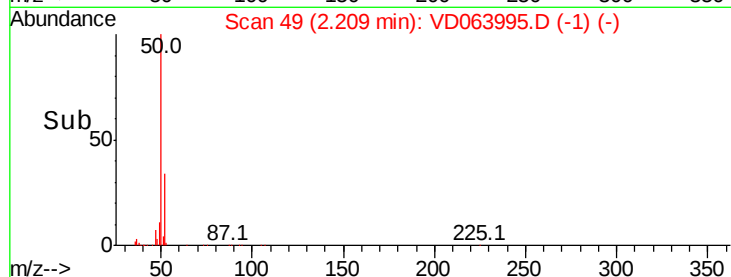
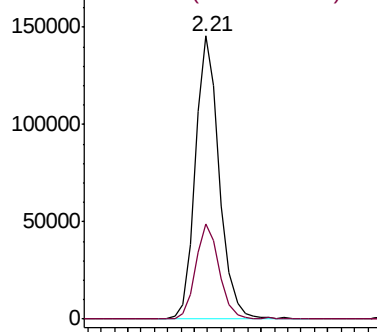
50 100

52 33.6 27.5 41.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.799 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063995.D

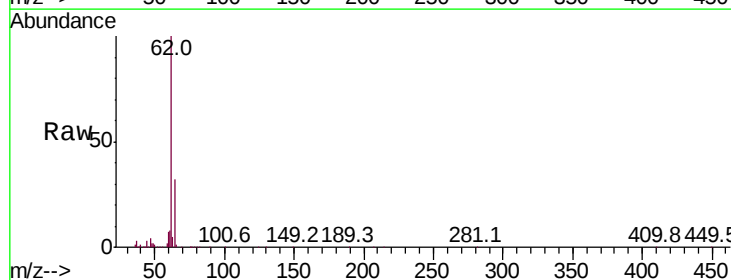
Acq: 17 Oct 2019 10:12

Tgt Ion: 62 Resp: 217973

Ion Ratio Lower Upper

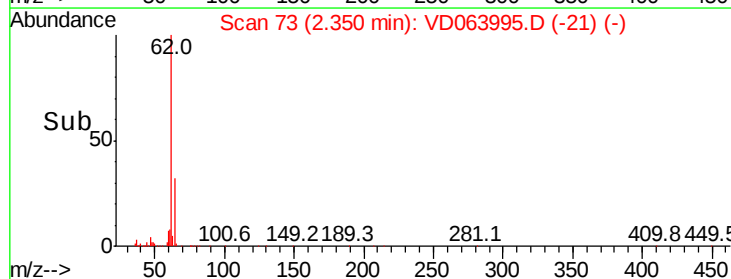
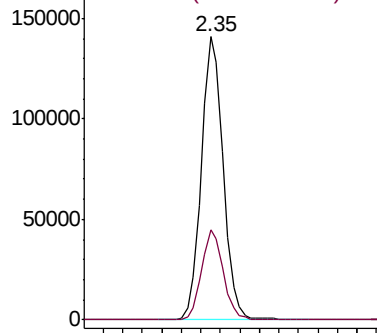
62 100

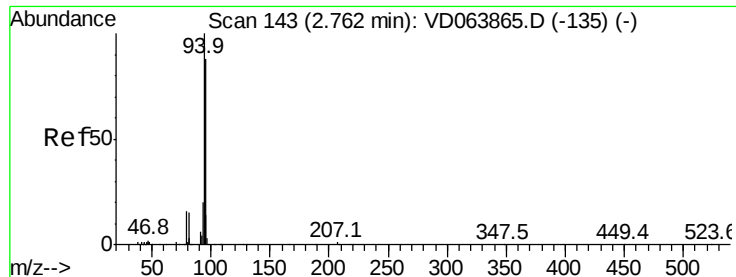
64 31.8 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 45.822 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

Lab File: VD063995.D

Acq: 17 Oct 2019 10:12

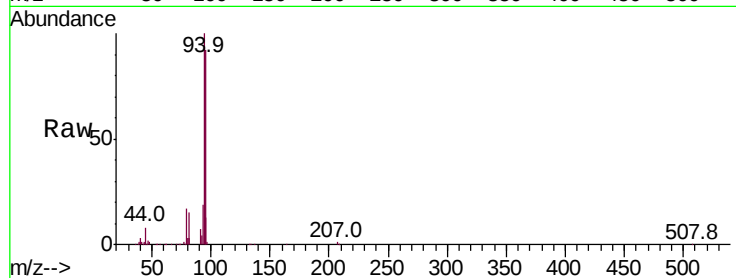
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 131586

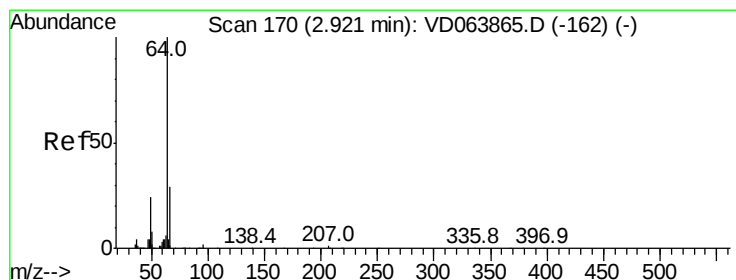
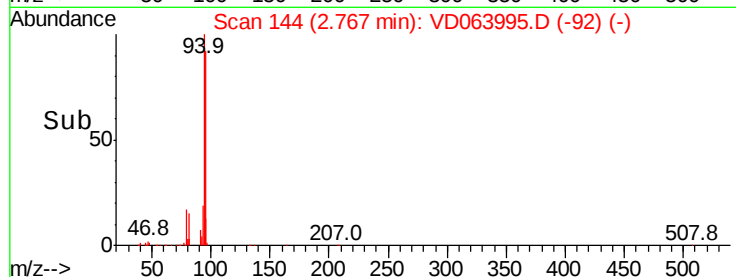
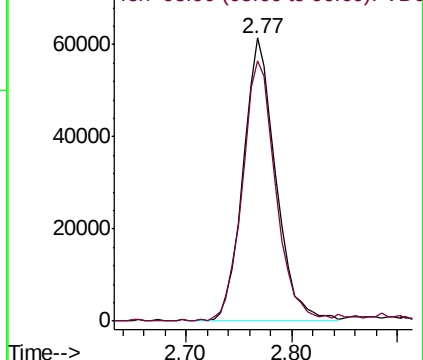
Ion Ratio Lower Upper

94 100

96 91.9 70.8 106.2



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



#6

Chloroethane

Concen: 46.554 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD063995.D

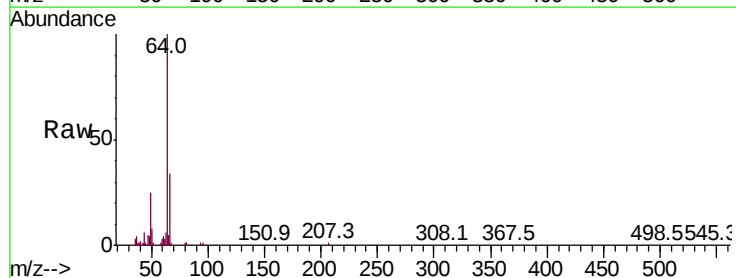
Acq: 17 Oct 2019 10:12

Tgt Ion: 64 Resp: 137522

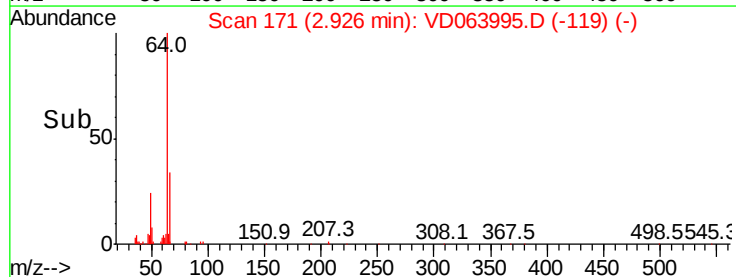
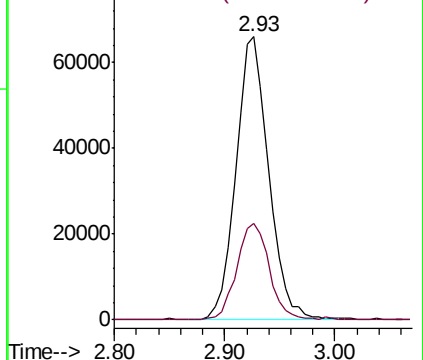
Ion Ratio Lower Upper

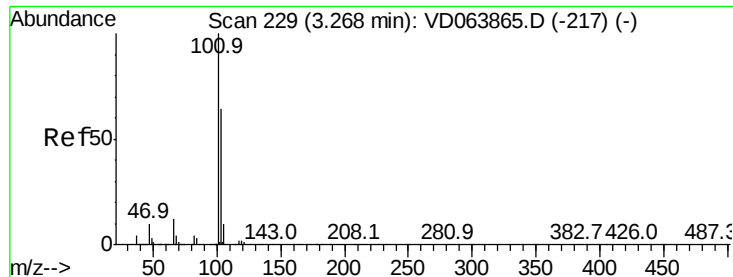
64 100

66 33.9 23.0 34.4



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



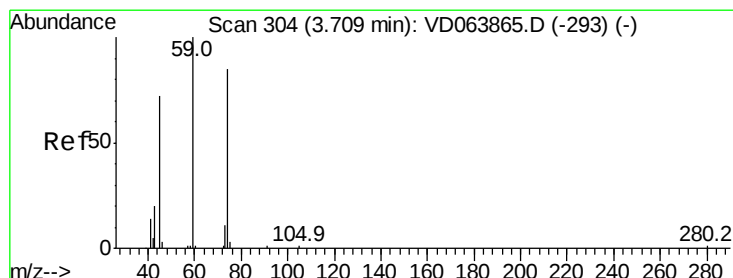
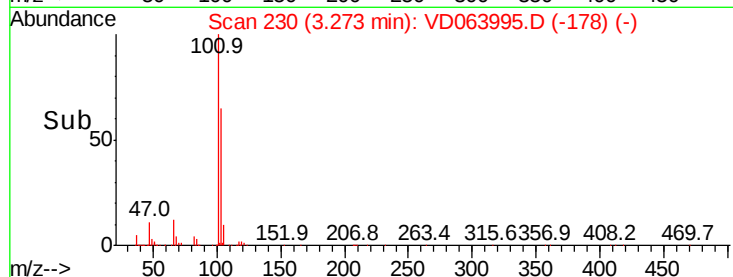
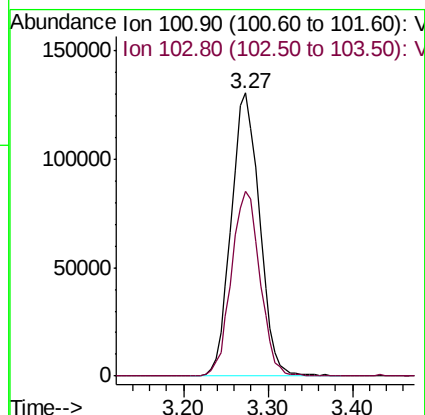
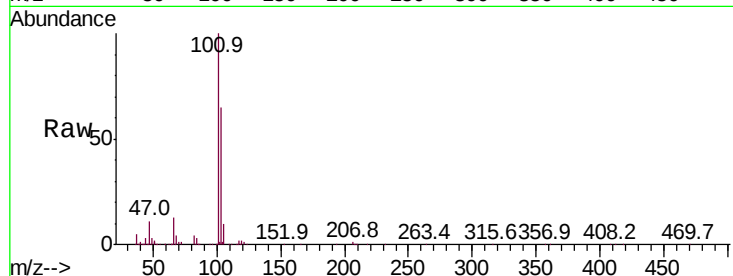


#7

Trichlorofluoromethane
Concen: 51.205 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD063995.D
Acq: 17 Oct 2019 10:12

Instrument :
MSVOA_D
ClientSampleId :

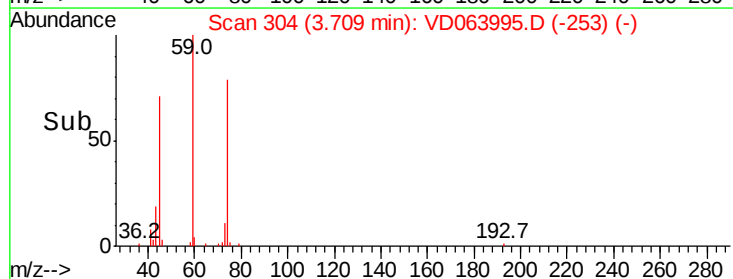
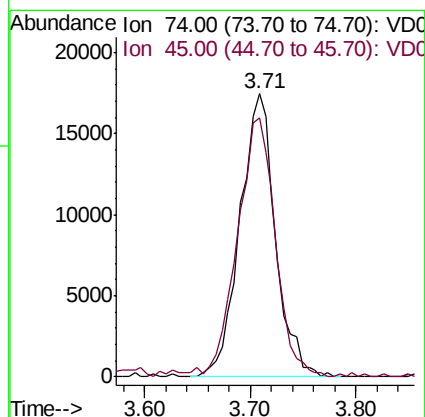
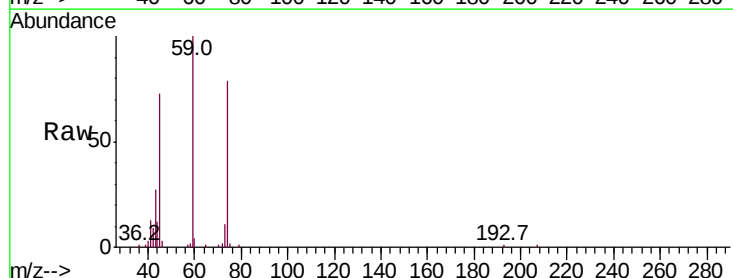
Tot Ion:101 Resp: 302404
Ion Ratio Lower Upper
101 100
103 65.4 51.1 76.7

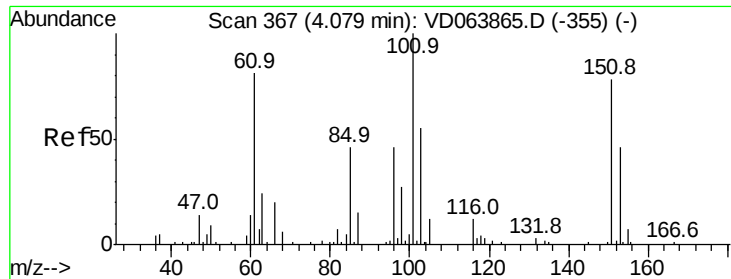


#8

Diethyl Ether
Concen: 42.877 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD063995.D
Acq: 17 Oct 2019 10:12

Tgt Ion: 74 Resp: 40644
Ion Ratio Lower Upper
74 100
45 98.3 48.1 144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.087 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.01 min

Lab File: VD063995.D

Acq: 17 Oct 2019 10:12

Instrument :

MSVOA_D

ClientSampleId :

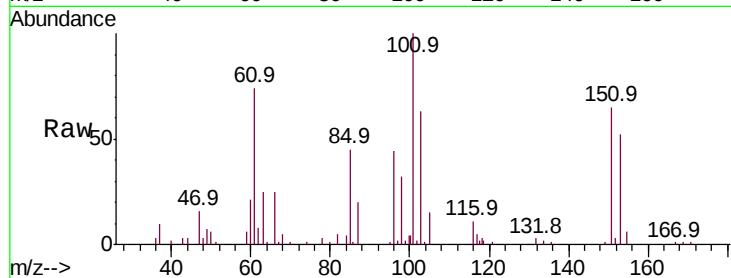
Tot Ion:101 Resp: 75341

Ion Ratio Lower Upper

101 100

85 45.2 37.5 56.3

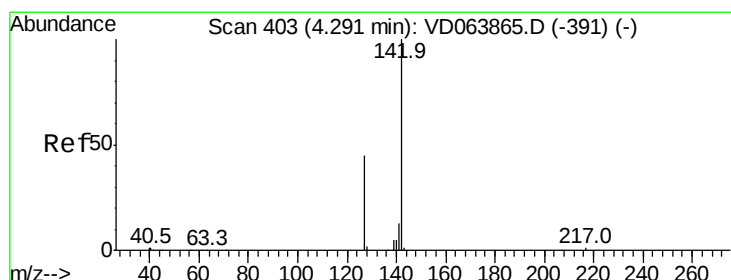
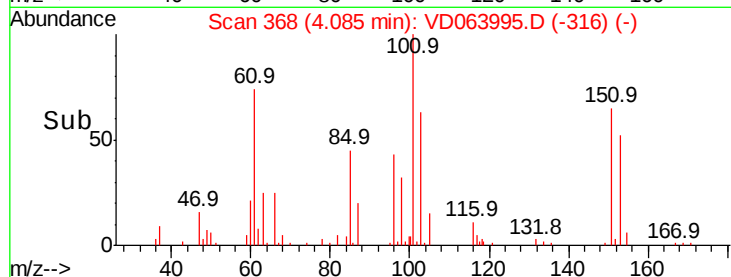
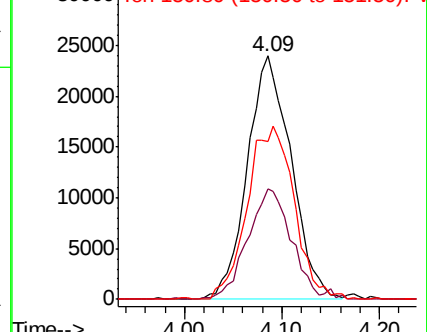
151 75.9 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 42.487 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD063995.D

Acq: 17 Oct 2019 10:12

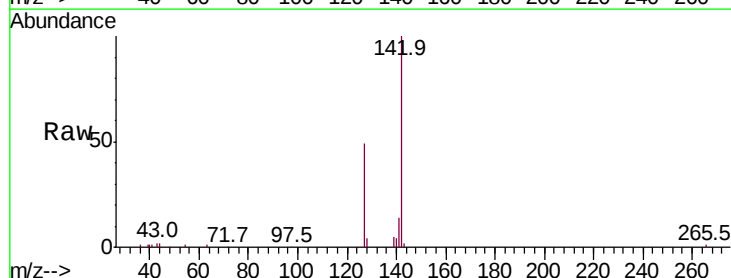
Tgt Ion:142 Resp: 95706

Ion Ratio Lower Upper

142 100

127 44.7 35.3 52.9

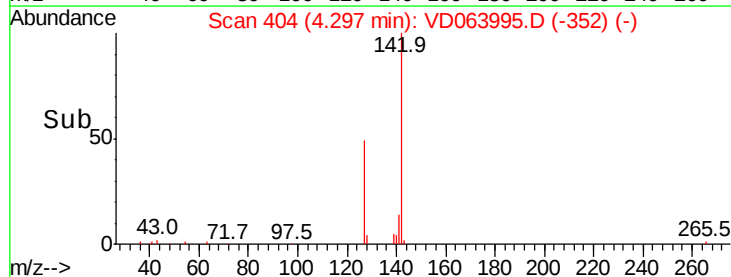
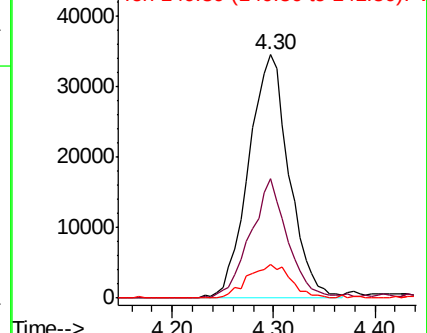
141 14.5 12.2 18.2

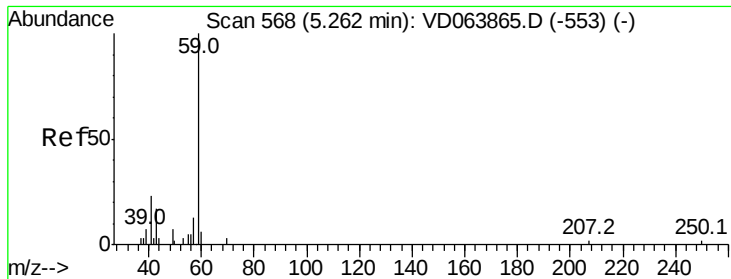


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

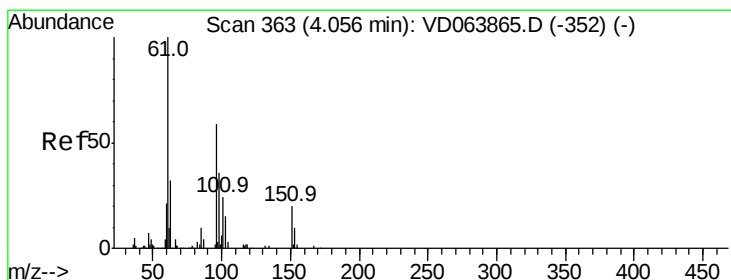
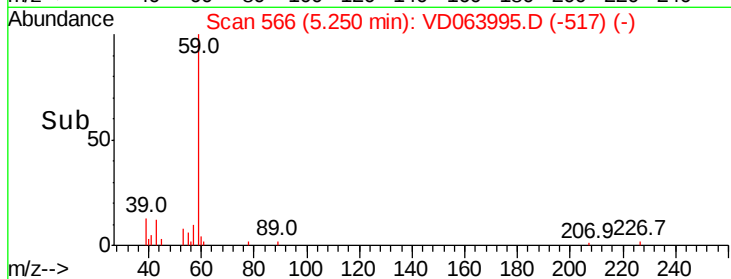
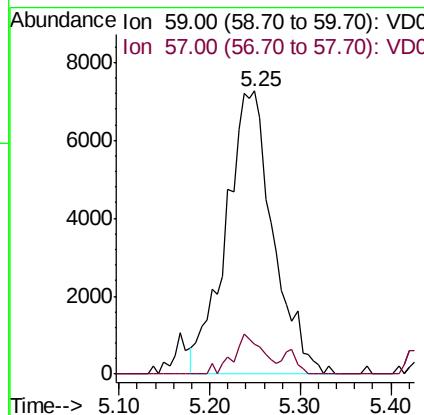
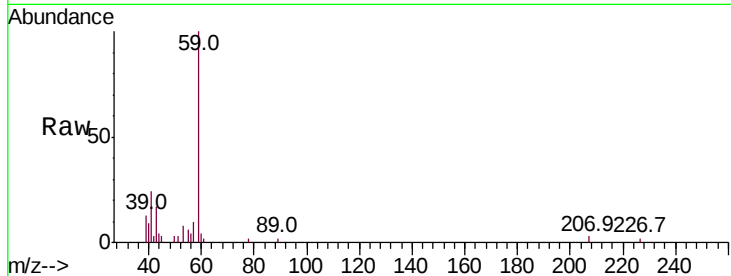




#11
Tert butyl alcohol
Concen: 197.090 ug/l
RT: 5.25 min Scan# 566
Delta R.T. -0.01 min
Lab File: VD063995.D
Acq: 17 Oct 2019 10:12

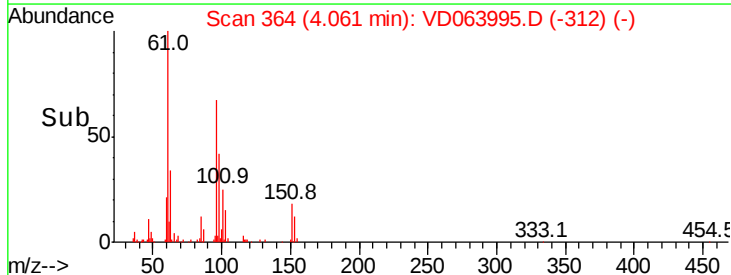
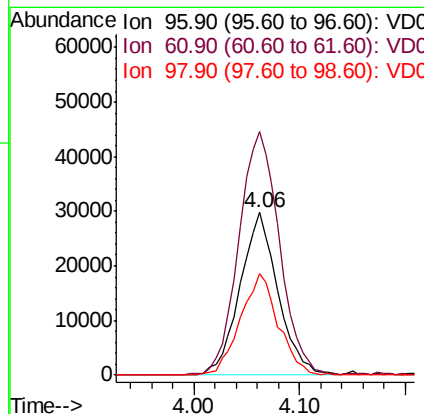
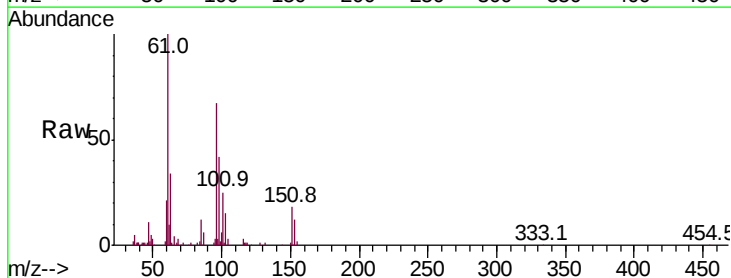
Instrument :
MSVOA_D
ClientSampleId :

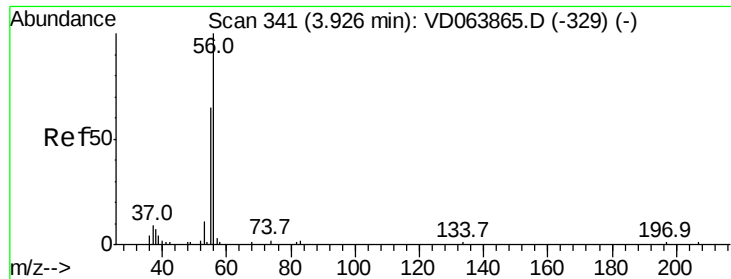
Tot Ion: 59 Resp: 26202
Ion Ratio Lower Upper
59 100
57 8.9 8.8 13.2



#12
1,1-Dichloroethene
Concen: 45.591 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.01 min
Lab File: VD063995.D
Acq: 17 Oct 2019 10:12

Tgt Ion: 96 Resp: 74461
Ion Ratio Lower Upper
96 100
61 149.2 135.6 203.4
98 62.7 49.2 73.8





#13

Acrolein

Concen: 179.729 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD063995.D

Acq: 17 Oct 2019 10:12

Instrument :

MSVOA_D

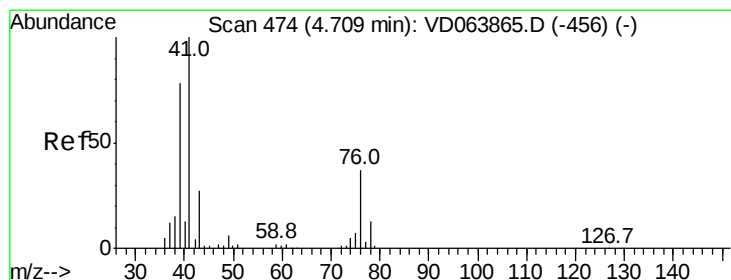
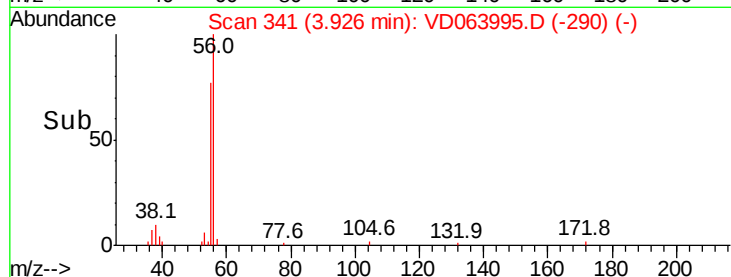
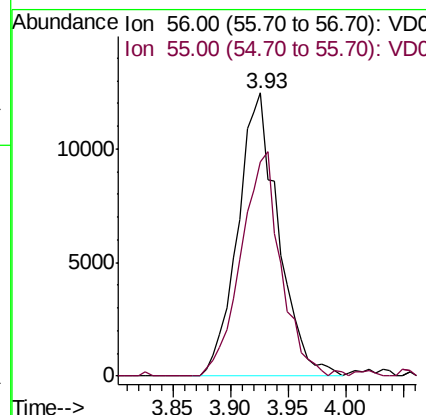
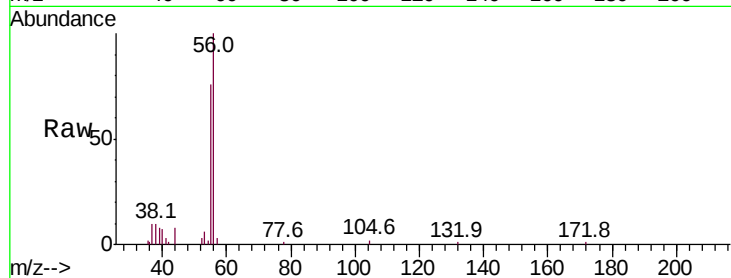
ClientSampleId :

Tot Ion: 56 Resp: 30456

Ion Ratio Lower Upper

56 100

55 77.5 53.0 79.6



#14

Allyl chloride

Concen: 44.399 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD063995.D

Acq: 17 Oct 2019 10:12

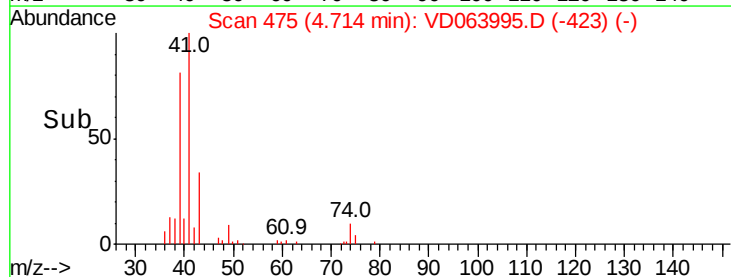
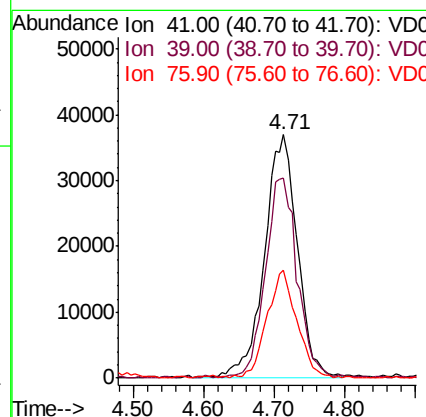
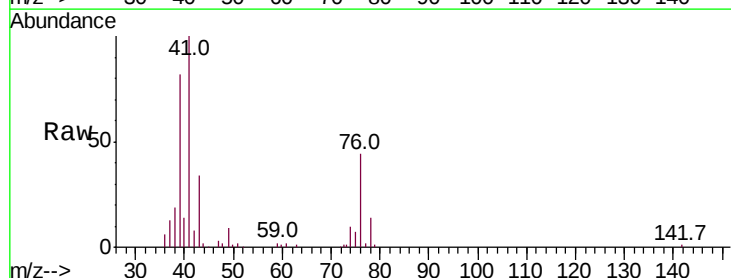
Tgt Ion: 41 Resp: 120559

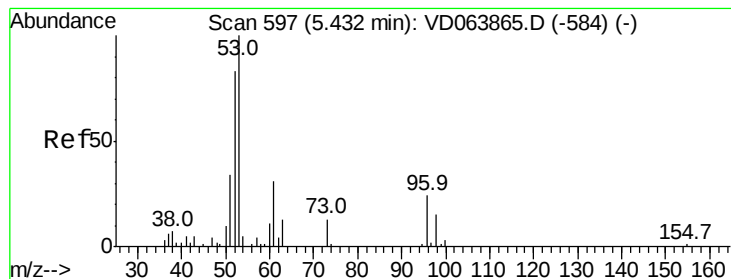
Ion Ratio Lower Upper

41 100

39 79.7 61.8 92.6

76 40.3 31.3 46.9





#15

Acrylonitrile

Concen: 224.072 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD063995.D

Acq: 17 Oct 2019 10:12

Instrument :

MSVOA_D

ClientSampleId :

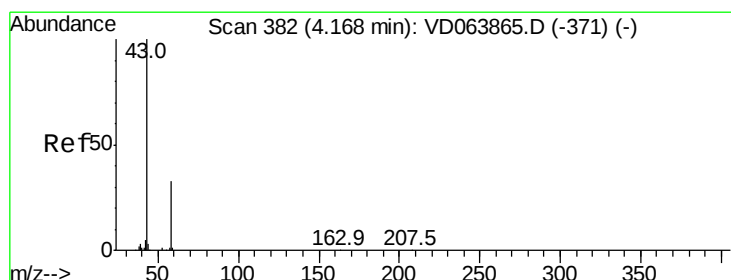
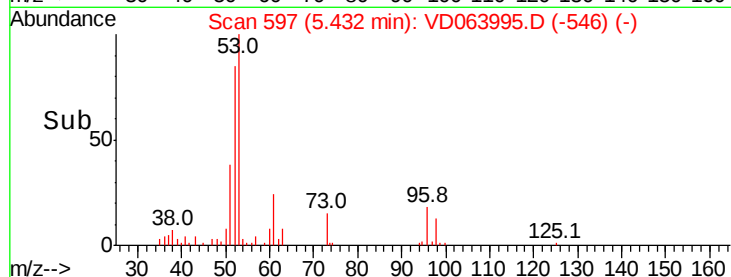
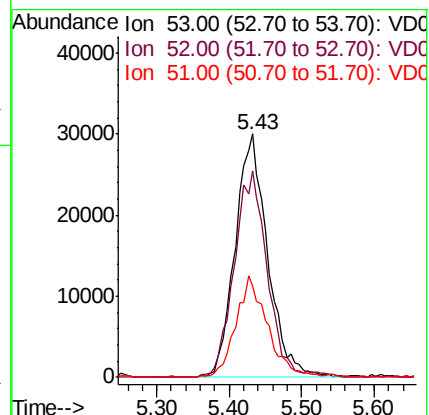
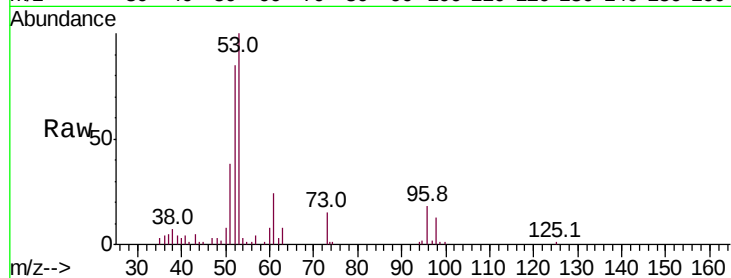
Tot Ion: 53 Resp: 93644

Ion Ratio Lower Upper

53 100

52 85.0 67.3 100.9

51 40.4 30.5 45.7



#16

Acetone

Concen: 255.233 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD063995.D

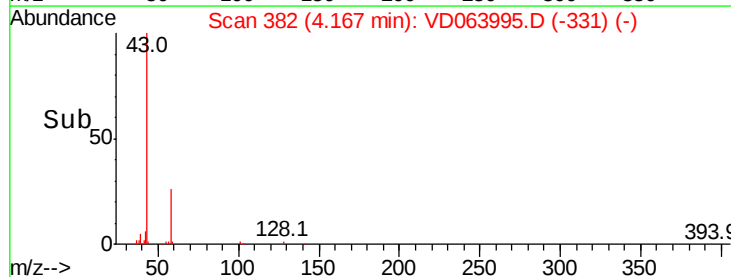
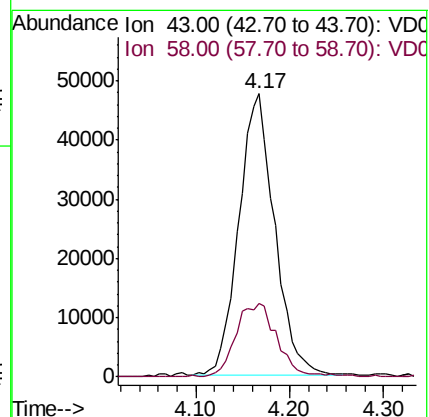
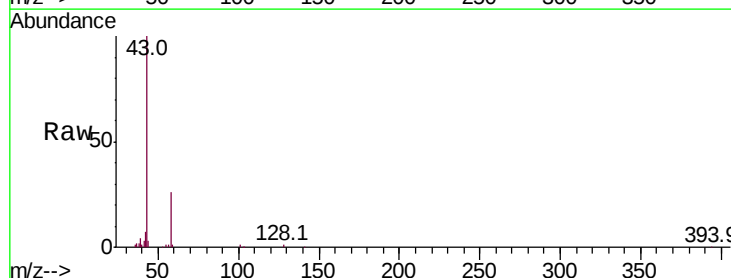
Acq: 17 Oct 2019 10:12

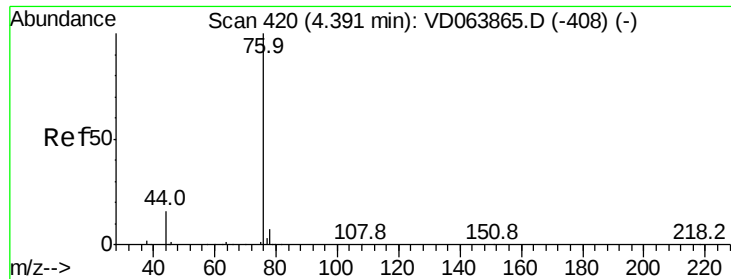
Tgt Ion: 43 Resp: 126077

Ion Ratio Lower Upper

43 100

58 25.5 26.2 39.4#

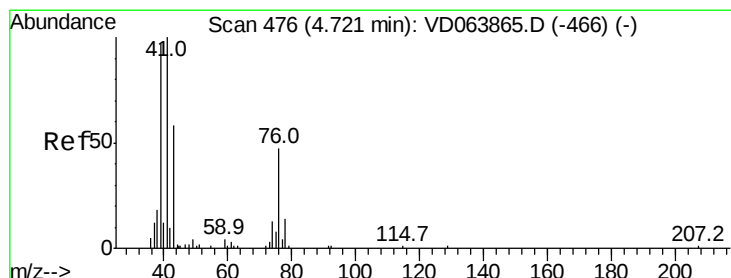
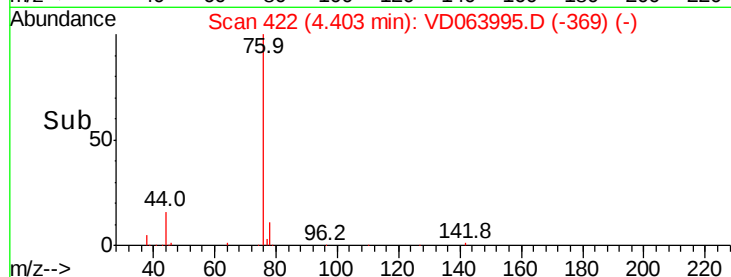
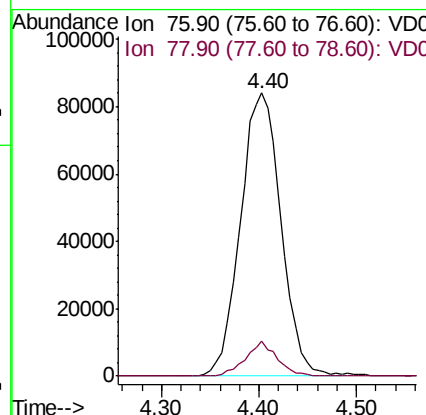
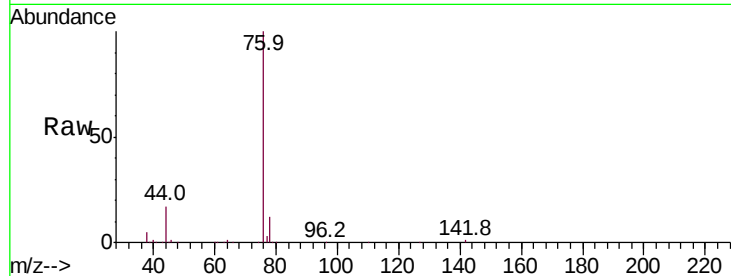




#17
Carbon Disulfide
Concen: 41.031 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD063995.D
Acq: 17 Oct 2019 10:12

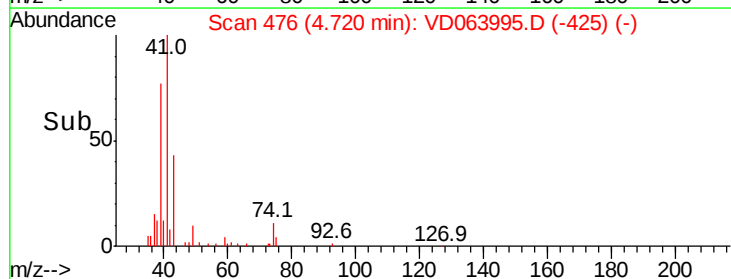
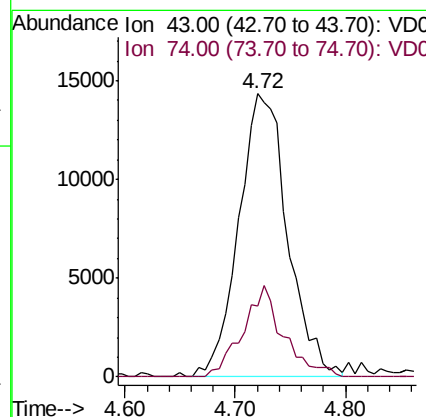
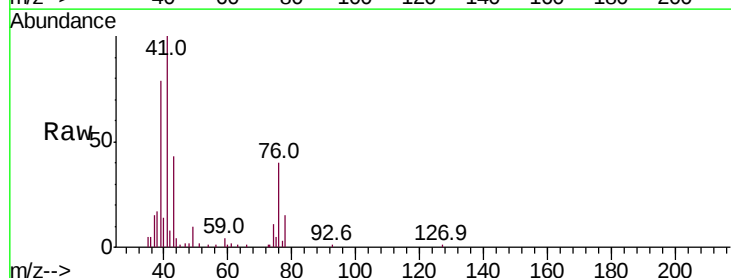
Instrument :
MSVOA_D
ClientSampleId :

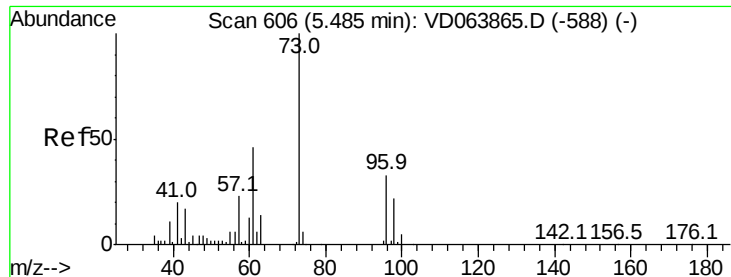
Tot Ion: 76 Resp: 243599
Ion Ratio Lower Upper
76 100
78 12.4 5.8 8.8#



#18
Methyl Acetate
Concen: 45.934 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD063995.D
Acq: 17 Oct 2019 10:12

Tgt Ion: 43 Resp: 44379
Ion Ratio Lower Upper
43 100
74 26.8 20.8 31.2

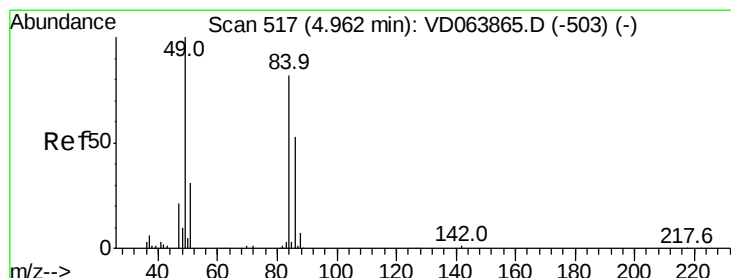
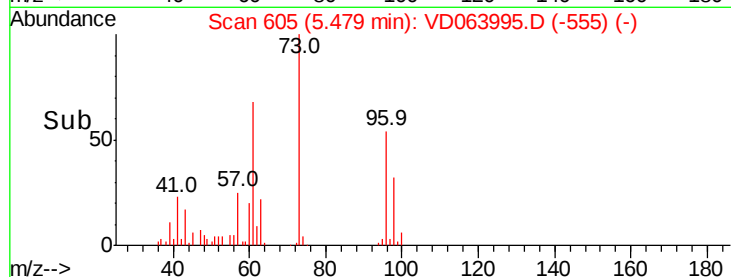
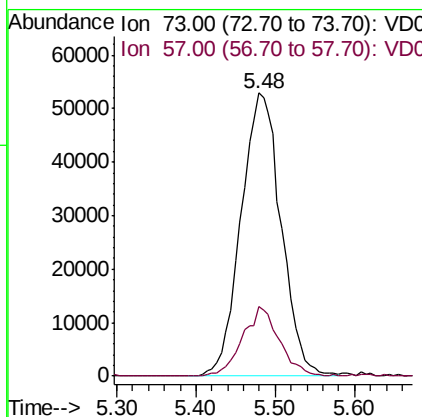
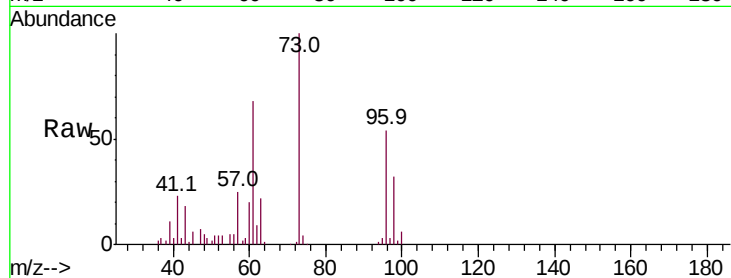




#19
Methyl tert-butyl Ether
Concen: 44.003 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD063995.D
Acq: 17 Oct 2019 10:12

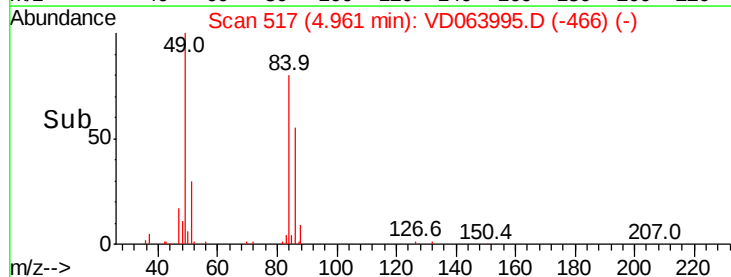
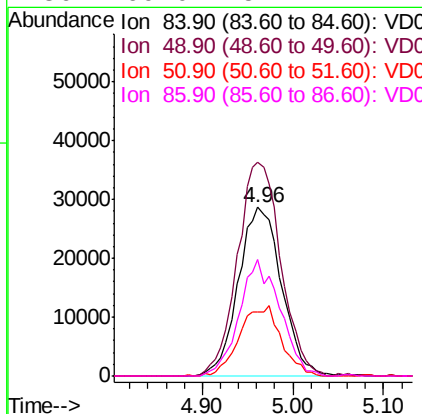
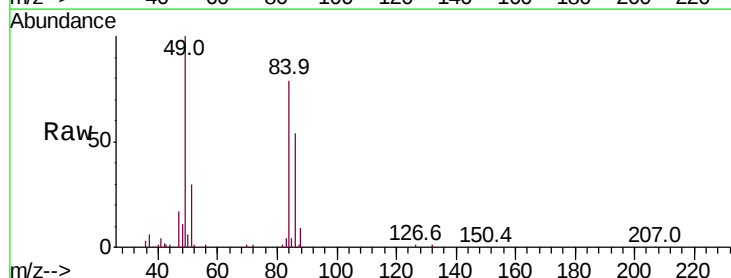
Instrument :
MSVOA_D
ClientSampleID :

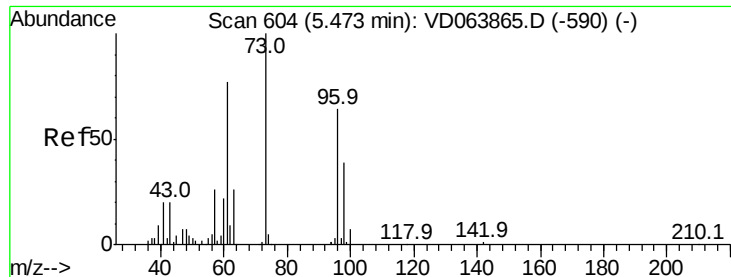
Tot Ion: 73 Resp: 186099
Ion Ratio Lower Upper
73 100
57 24.6 18.1 27.1



#20
Methylene Chloride
Concen: 42.676 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD063995.D
Acq: 17 Oct 2019 10:12

Tgt Ion: 84 Resp: 94503
Ion Ratio Lower Upper
84 100
49 126.8 97.3 145.9
51 38.1 30.1 45.1
86 69.0 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 46.946 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD063995.D

Acq: 17 Oct 2019 10:12

Instrument :

MSVOA_D

ClientSampleId :

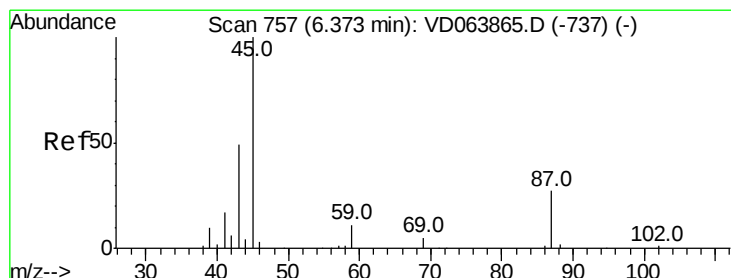
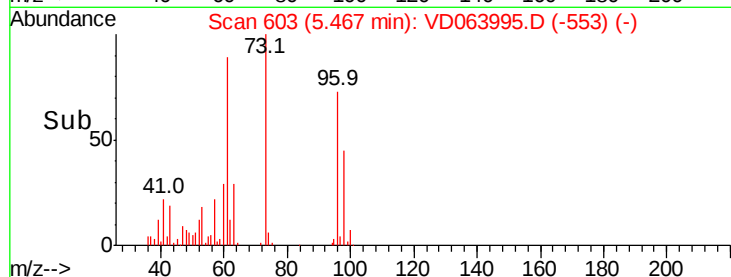
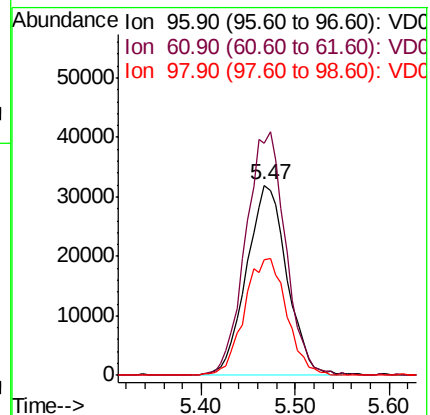
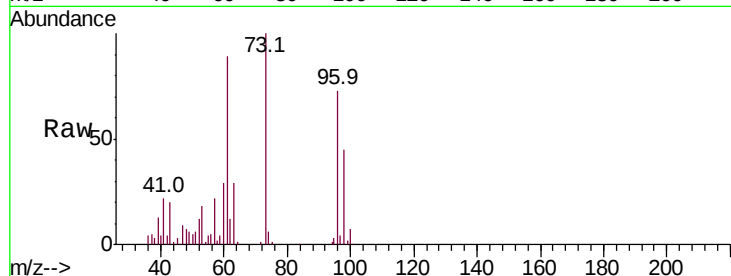
Tot Ion: 96 Resp: 95451

Ion Ratio Lower Upper

96 100

61 122.3 96.6 145.0

98 61.2 48.7 73.1



#22

Diisopropyl ether

Concen: 46.710 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD063995.D

Acq: 17 Oct 2019 10:12

Tgt Ion: 45 Resp: 259040

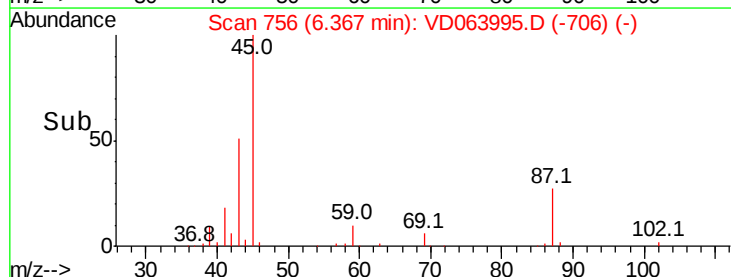
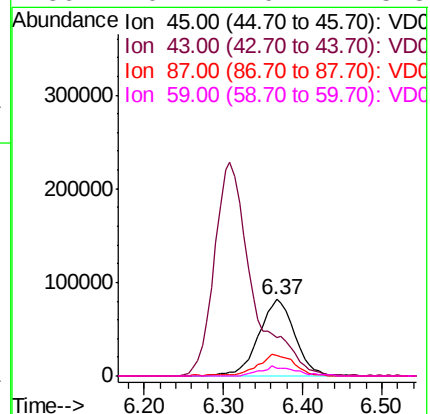
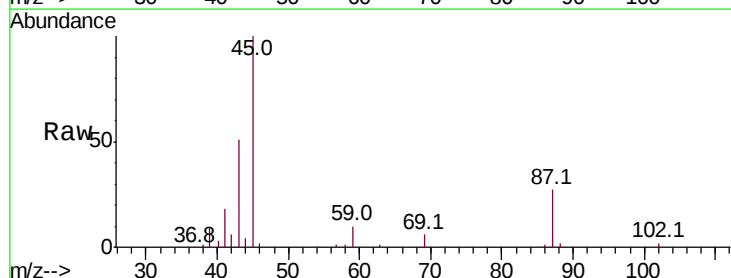
Ion Ratio Lower Upper

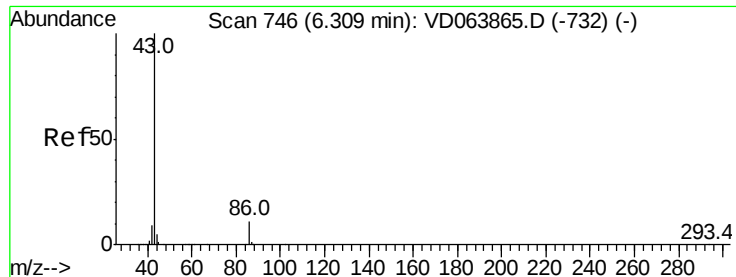
45 100

43 50.0 41.2 61.8

87 26.7 22.2 33.4

59 9.7 9.2 13.8





#23

Vinyl Acetate

Concen: 230.621 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD063995.D

Acq: 17 Oct 2019 10:12

Instrument :

MSVOA_D

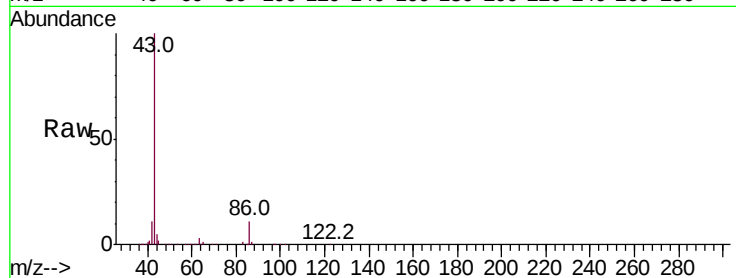
ClientSampled :

Tot Ion: 43 Resp: 760829

Ion Ratio Lower Upper

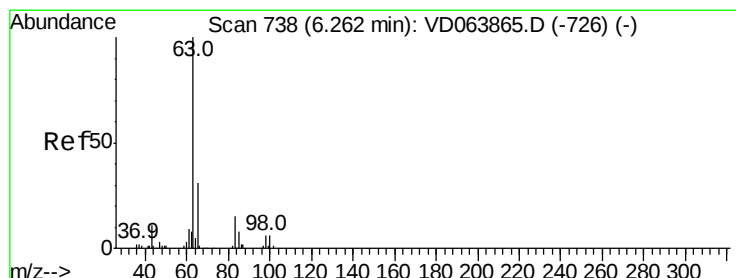
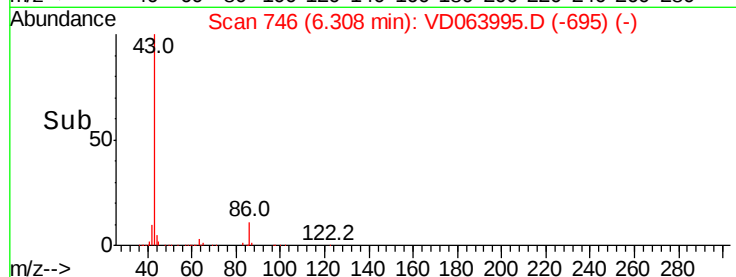
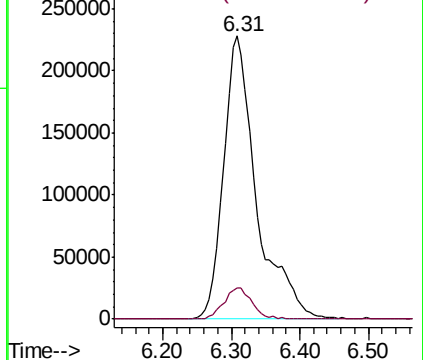
43 100

86 10.8 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 47.691 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD063995.D

Acq: 17 Oct 2019 10:12

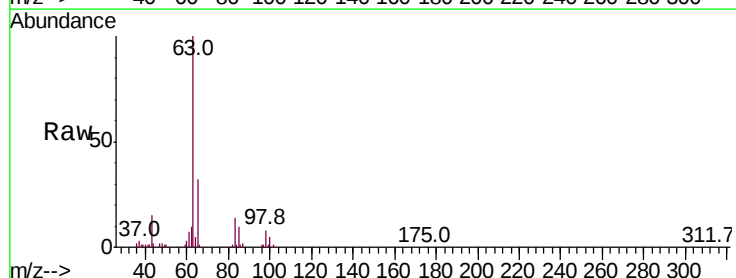
Tgt Ion: 63 Resp: 162907

Ion Ratio Lower Upper

63 100

98 8.0 3.1 9.4

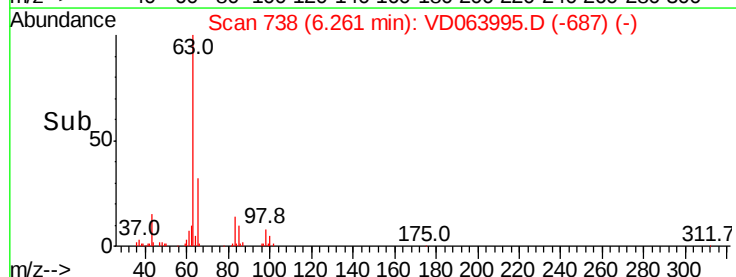
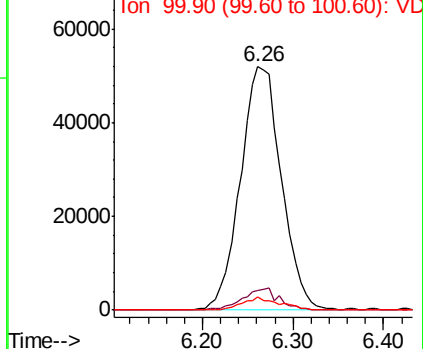
100 5.4 3.0 9.2

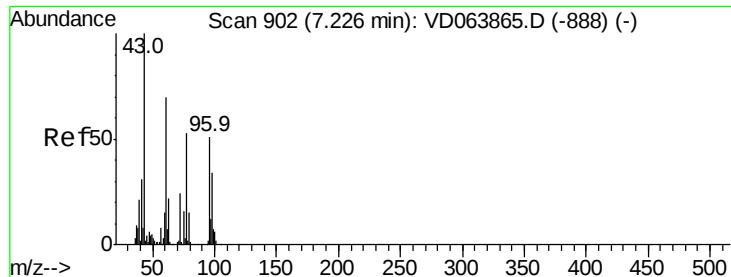


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 244.376 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD063995.D

Acq: 17 Oct 2019 10:12

Instrument :

MSVOA_D

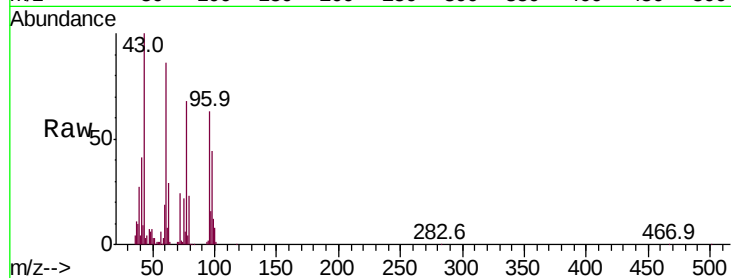
ClientSampleId :

Tot Ion: 43 Resp: 143059

Ion Ratio Lower Upper

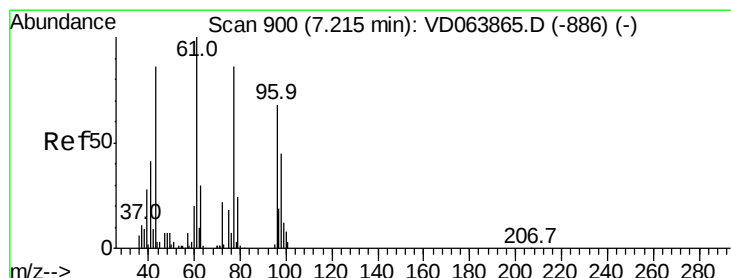
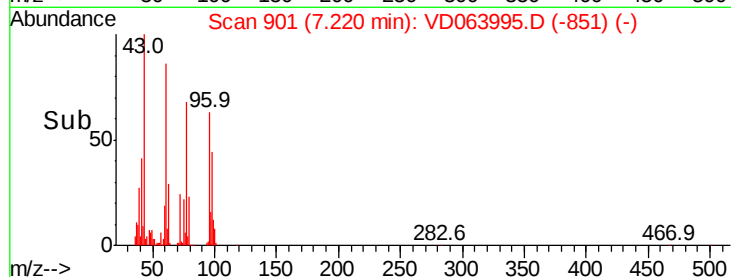
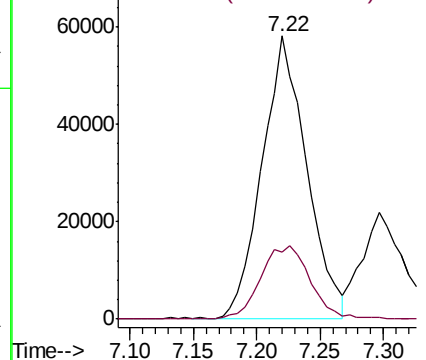
43 100

72 23.6 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 46.946 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD063995.D

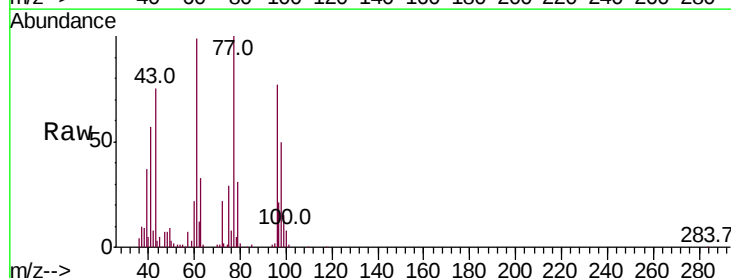
Acq: 17 Oct 2019 10:12

Tgt Ion: 77 Resp: 145065

Ion Ratio Lower Upper

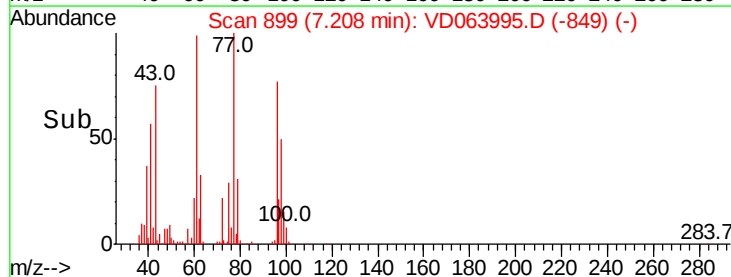
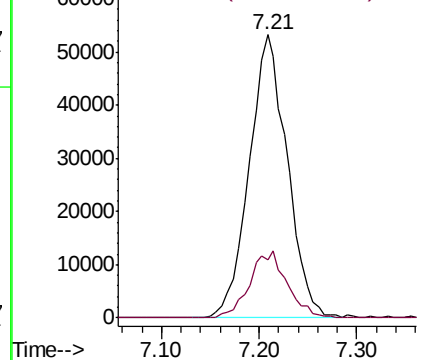
77 100

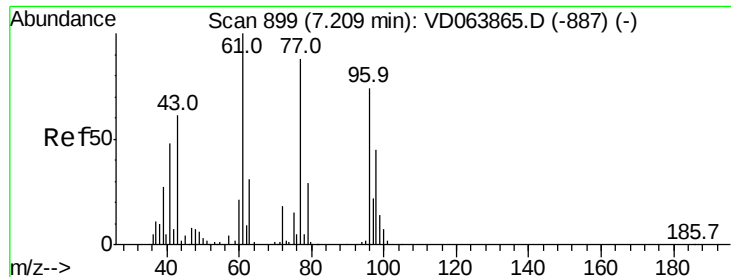
97 23.4 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

cis-1,2-Dichloroethene

Concen: 47.773 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD063995.D

Acq: 17 Oct 2019 10:12

Instrument :

MSVOA_D

ClientSampleId :

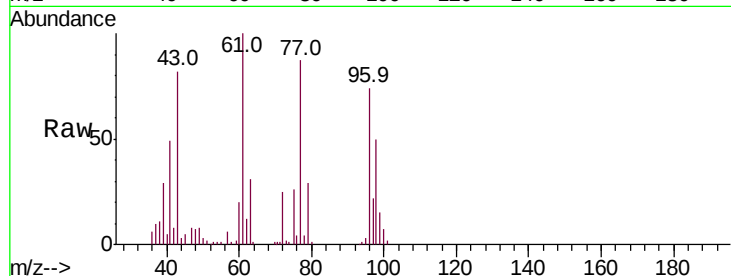
Tot Ion: 96 Resp: 109942

Ion Ratio Lower Upper

96 100

61 134.0 0.0 280.0

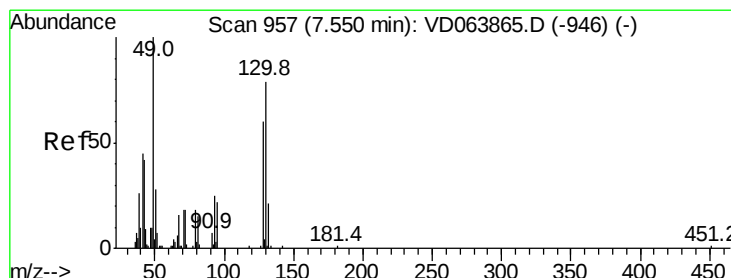
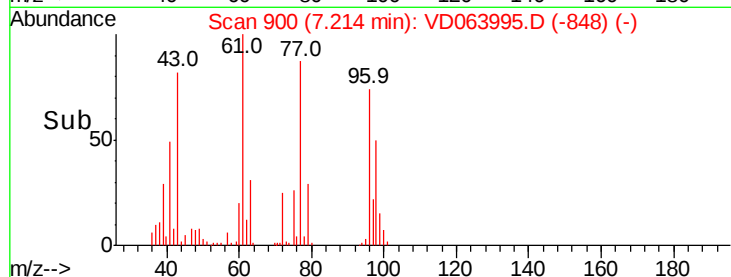
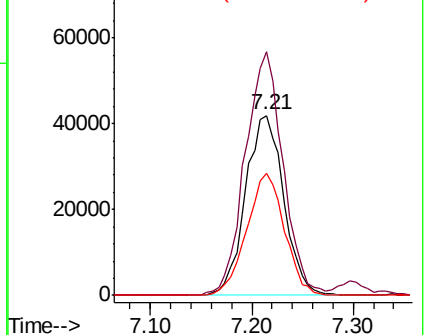
98 66.9 0.0 130.4



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: 50.800 ug/l

RT: 7.54 min Scan# 956

Delta R.T. -0.01 min

Lab File: VD063995.D

Acq: 17 Oct 2019 10:12

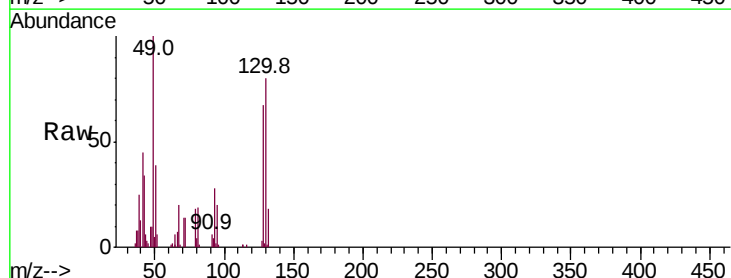
Tgt Ion: 49 Resp: 66013

Ion Ratio Lower Upper

49 100

129 2.8 0.0 5.6

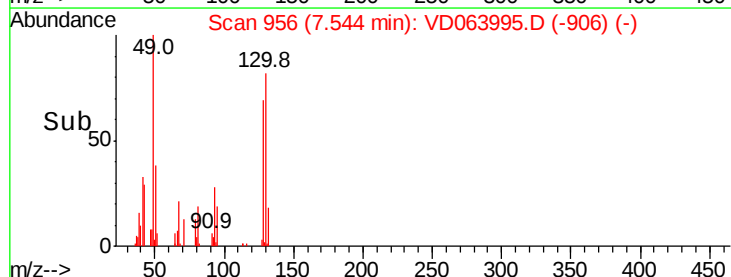
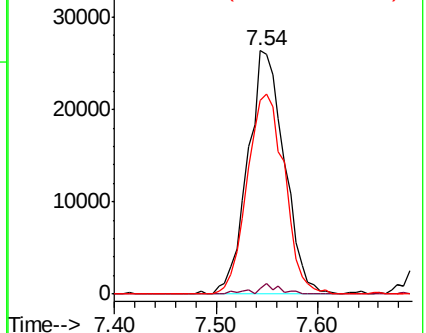
130 83.6 66.8 100.2

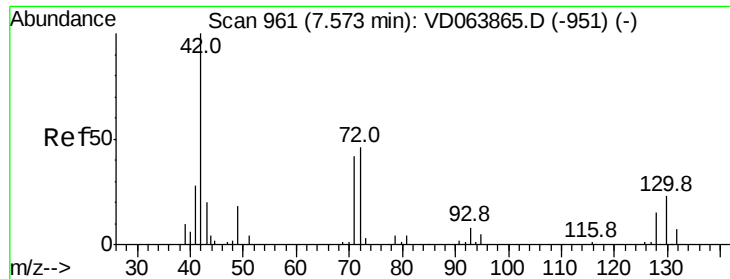


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

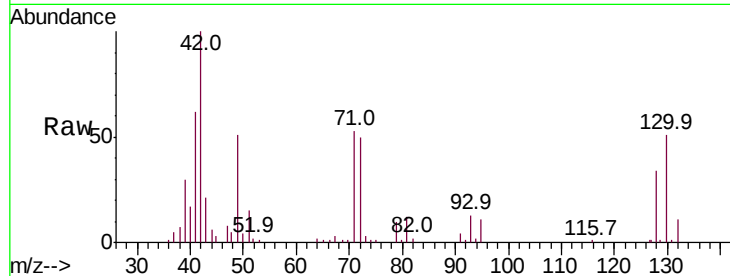




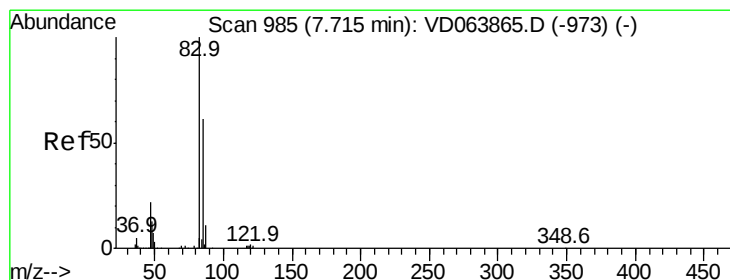
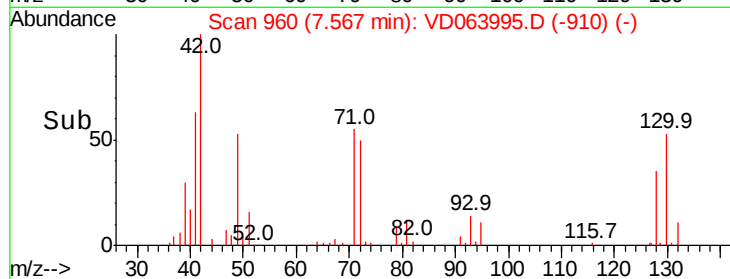
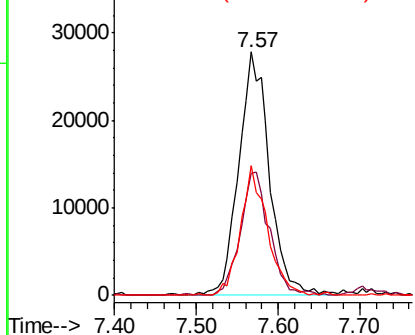
#29
Tetrahydrofuran
Concen: 212.818 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD063995.D
Acq: 17 Oct 2019 10:12

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 72718
Ion Ratio Lower Upper
42 100
72 47.9 37.6 56.4
71 46.2 35.0 52.6

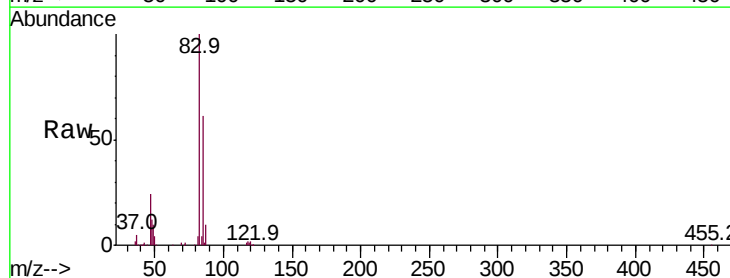


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

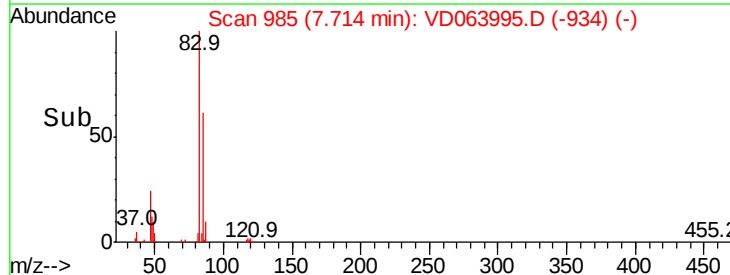
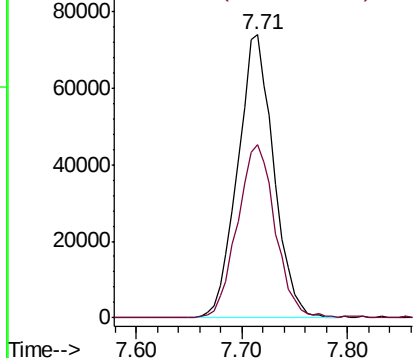


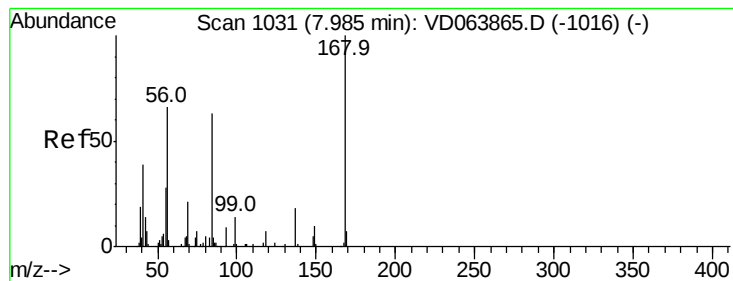
#30
Chloroform
Concen: 47.092 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD063995.D
Acq: 17 Oct 2019 10:12

Tgt Ion: 83 Resp: 174716
Ion Ratio Lower Upper
83 100
85 61.0 48.9 73.3



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





#31

Cyclohexane

Concen: 54.169 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063995.D

Acq: 17 Oct 2019 10:12

Instrument :

MSVOA_D

ClientSampled :

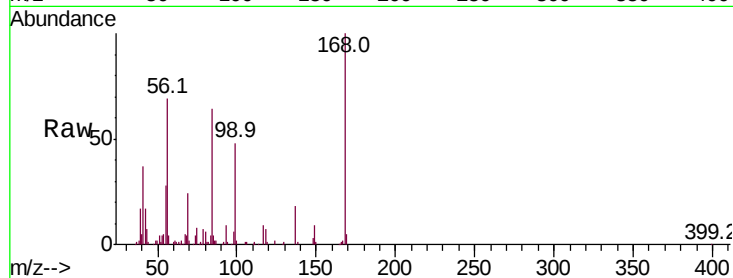
Tot Ion: 56 Resp: 152043

Ion Ratio Lower Upper

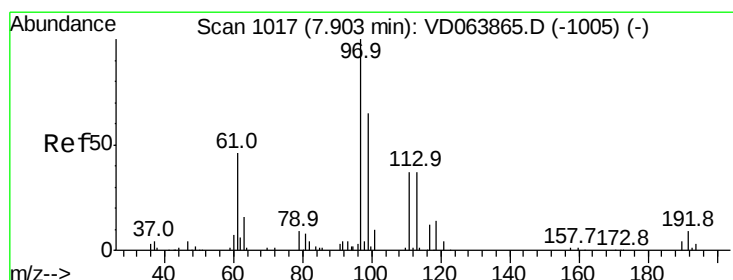
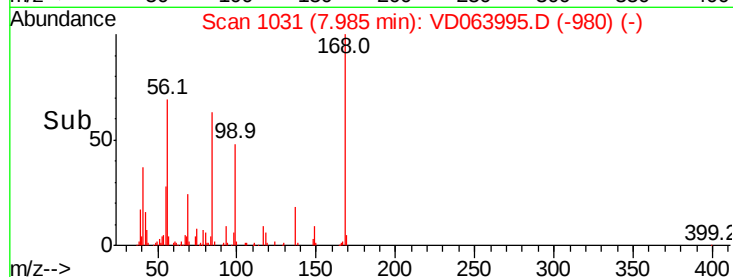
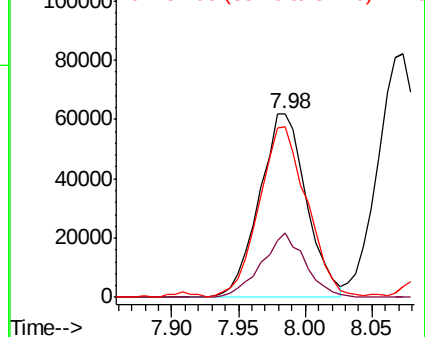
56 100

69 34.9 25.0 37.4

84 91.1 76.3 114.5



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



#32

1,1,1-Trichloroethane

Concen: 50.257 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VD063995.D

Acq: 17 Oct 2019 10:12

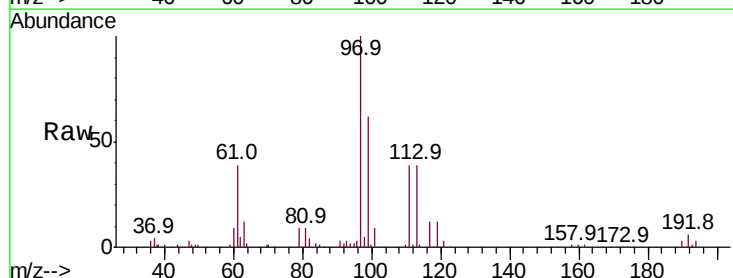
Tgt Ion: 97 Resp: 159945

Ion Ratio Lower Upper

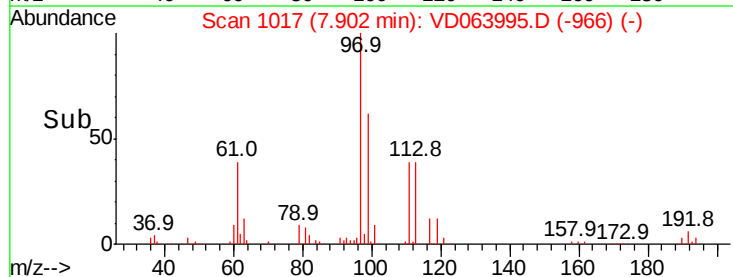
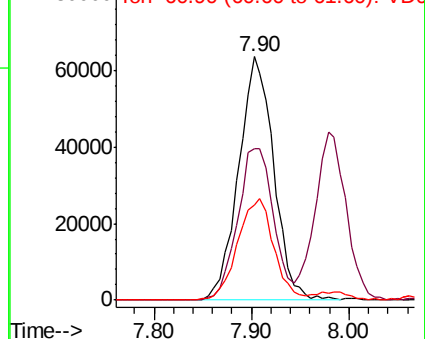
97 100

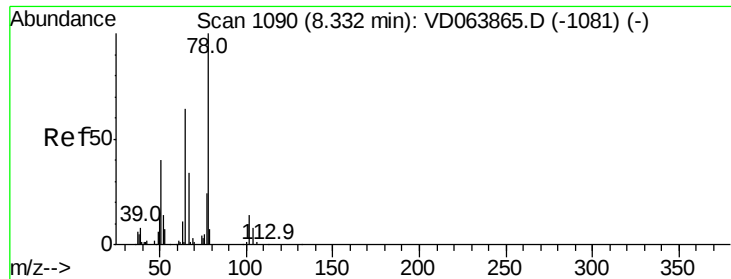
99 63.9 52.4 78.6

61 42.8 33.8 50.8



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





#33

1,2-Dichloroethane-d4

Concen: 46.312 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD063995.D

Acq: 17 Oct 2019 10:12

Instrument :

MSVOA_D

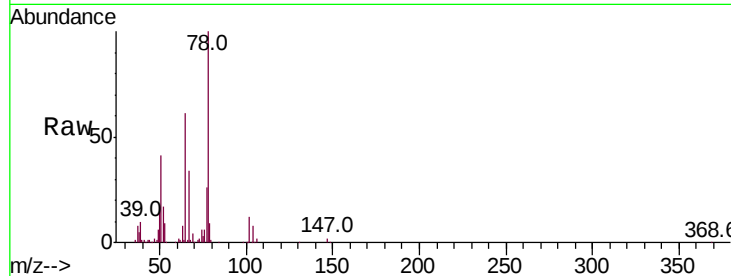
ClientSampleId :

Tot Ion: 65 Resp: 87868

Ion Ratio Lower Upper

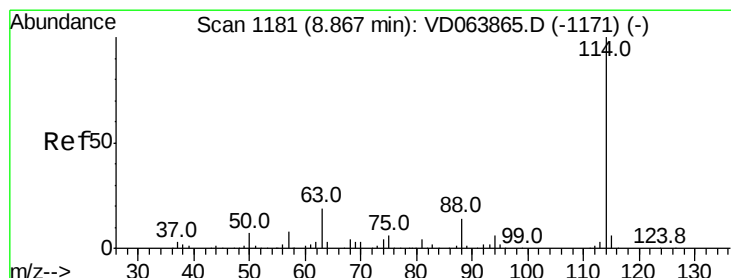
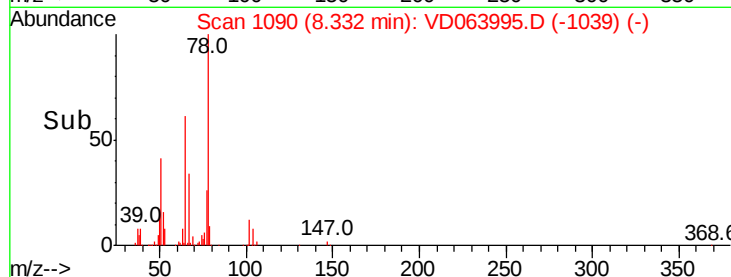
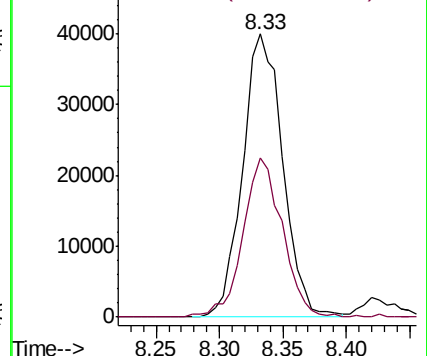
65 100

67 55.0 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD063995.D

Acq: 17 Oct 2019 10:12

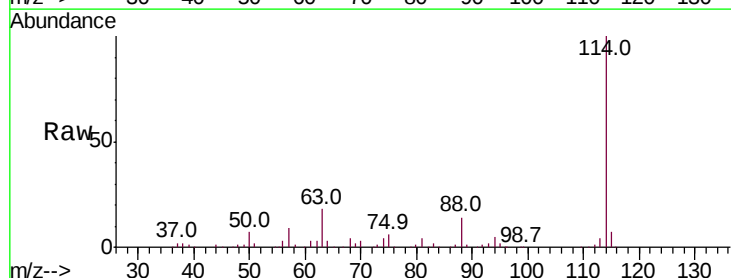
Tgt Ion: 114 Resp: 293080

Ion Ratio Lower Upper

114 100

63 18.3 0.0 38.4

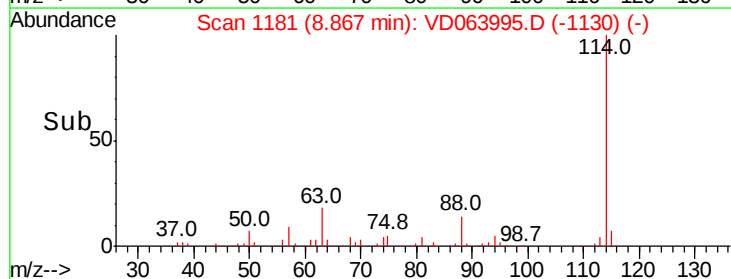
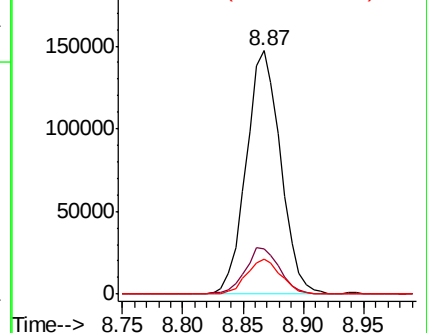
88 14.3 0.0 27.4

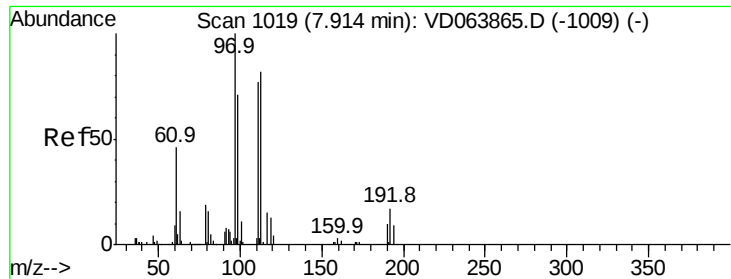


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

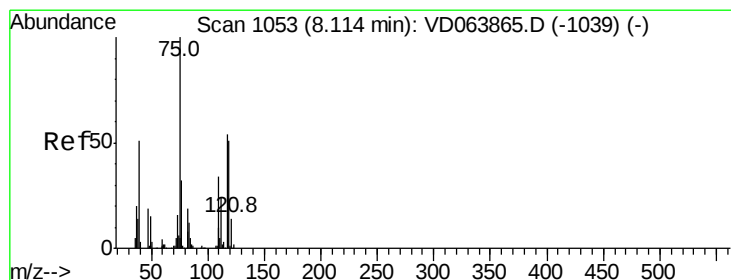
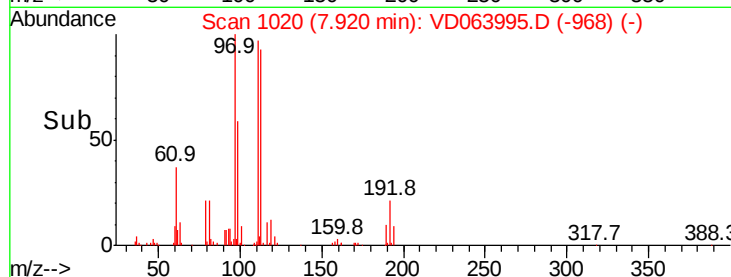
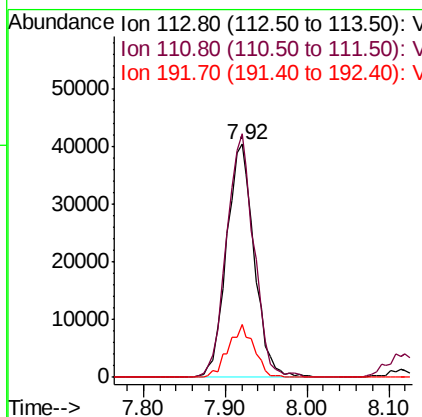
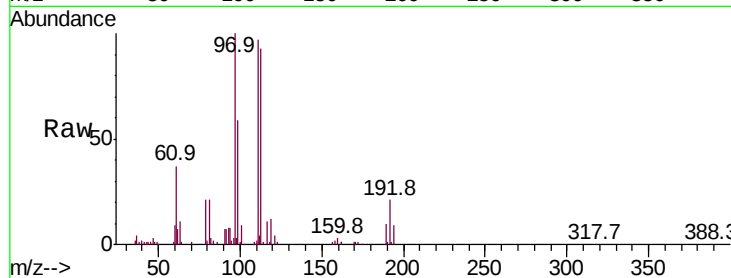




#35
 Dibromofluoromethane
 Concen: 53.124 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD063995.D
 Acq: 17 Oct 2019 10:12

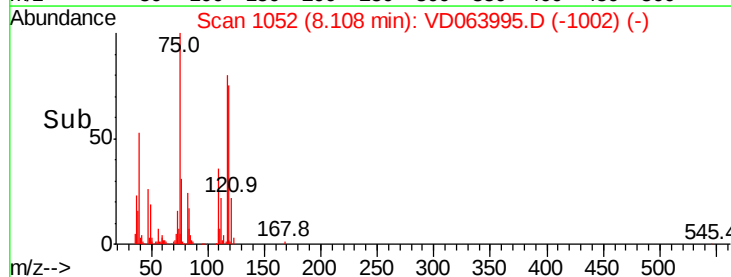
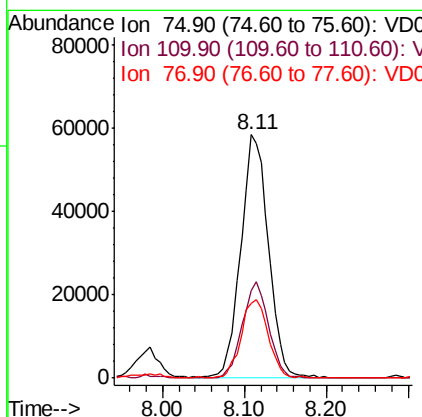
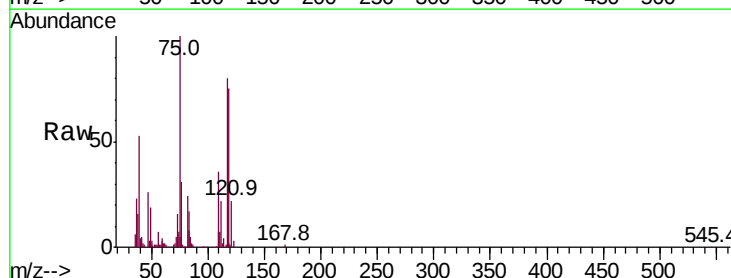
Instrument :
 MSVOA_D
 ClientSampled :

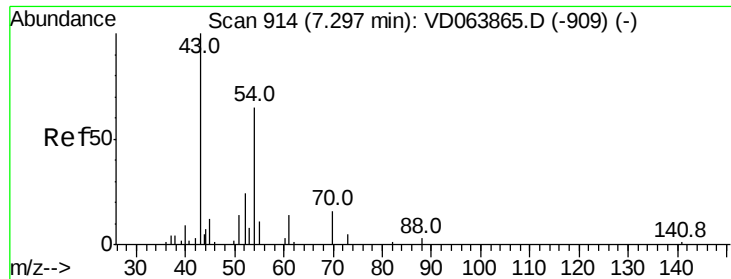
Tot Ion:113 Resp: 95151
 Ion Ratio Lower Upper
 113 100
 111 103.8 82.6 123.8
 192 21.0 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 51.510 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD063995.D
 Acq: 17 Oct 2019 10:12

Tgt Ion: 75 Resp: 138032
 Ion Ratio Lower Upper
 75 100
 110 37.4 17.4 52.3
 77 31.8 25.4 38.0

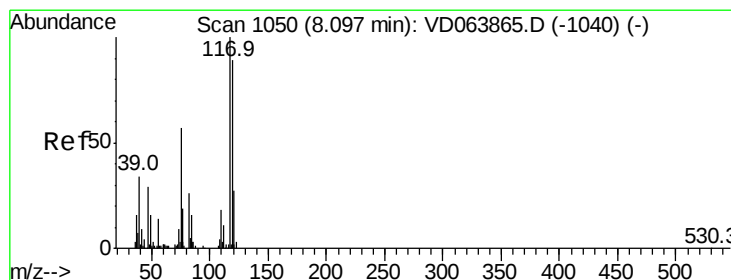
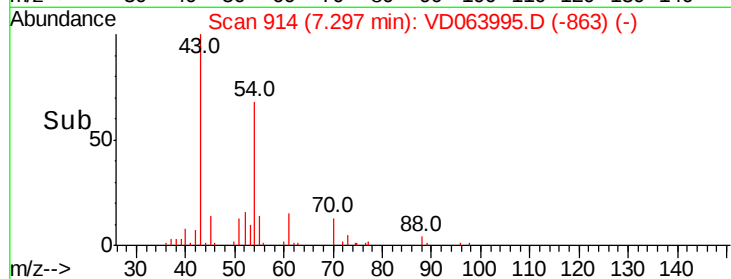
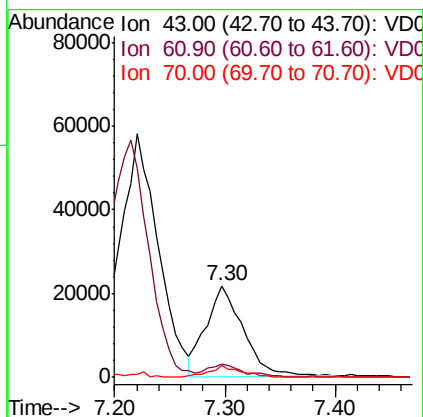
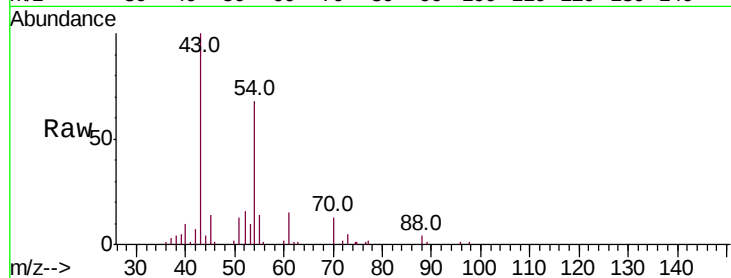




#37
Ethyl Acetate
Concen: 46.834 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD063995.D
Acq: 17 Oct 2019 10:12

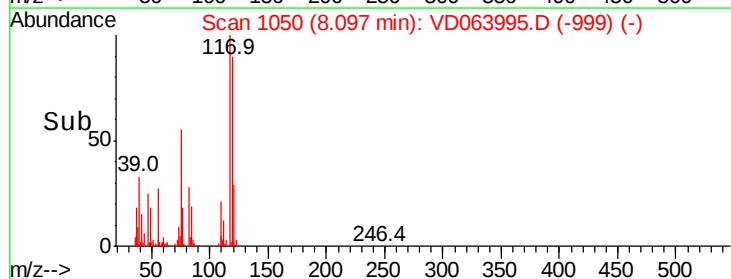
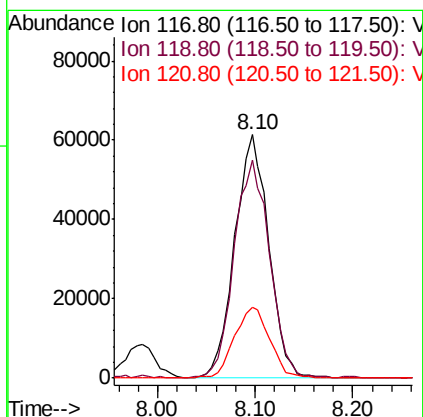
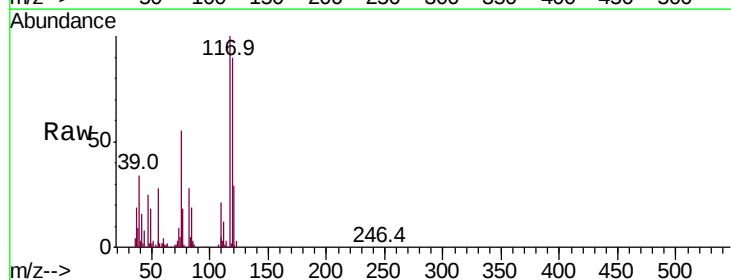
Instrument :
MSVOA_D
ClientSampleId :

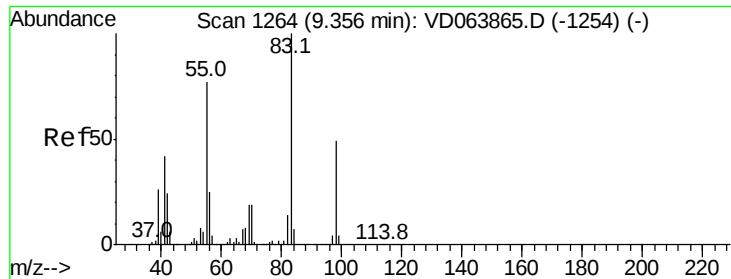
Tot Ion: 43 Resp: 50595
Ion Ratio Lower Upper
43 100
61 13.2 11.5 17.3
70 11.3 8.2 12.4



#38
Carbon Tetrachloride
Concen: 54.882 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD063995.D
Acq: 17 Oct 2019 10:12

Tgt Ion: 117 Resp: 148618
Ion Ratio Lower Upper
117 100
119 89.7 70.8 106.2
121 29.0 21.4 32.0

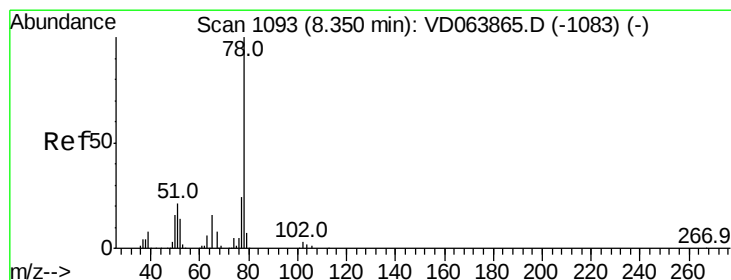
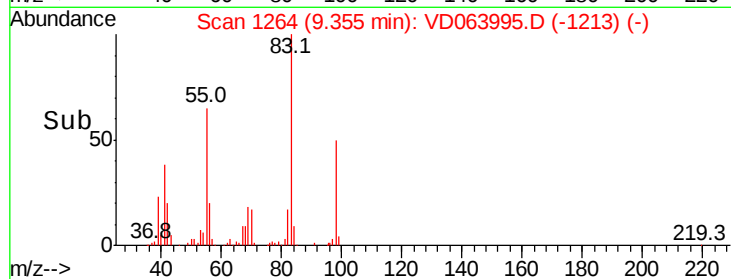
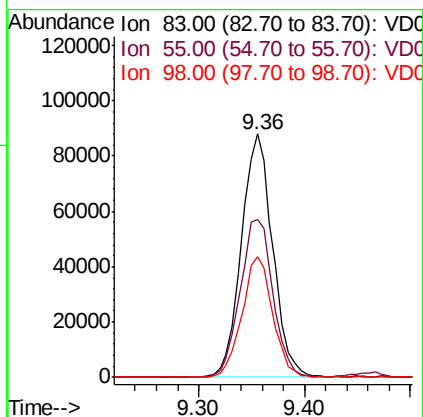
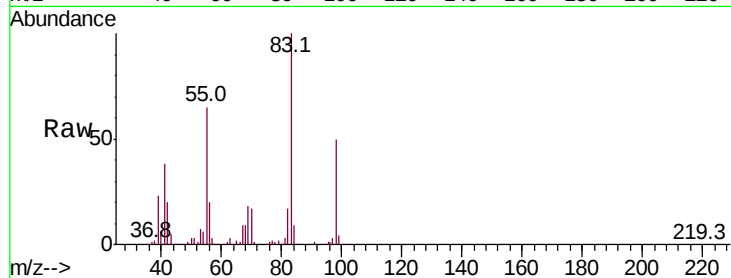




#39
Methvlcvclohexane
Concen: 54.849 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063995.D
Acq: 17 Oct 2019 10:12

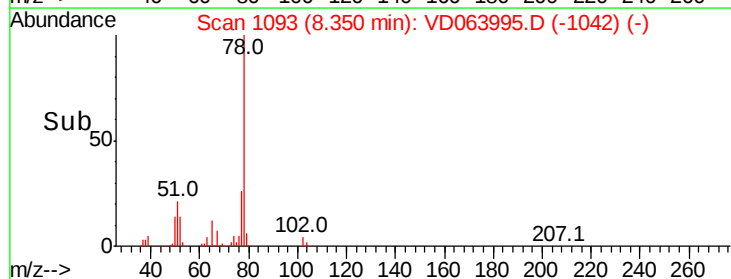
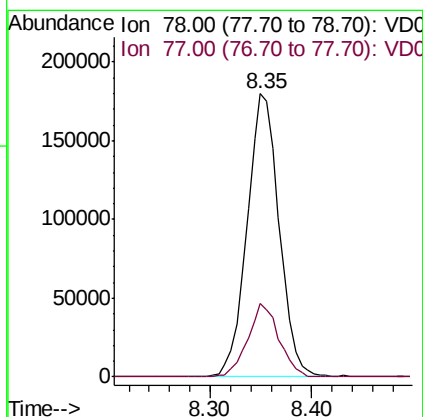
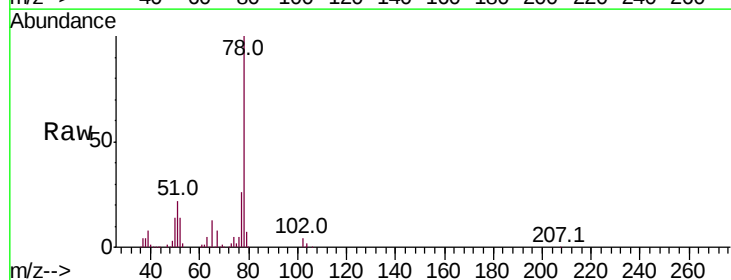
Instrument :
MSVOA_D
ClientSampled :

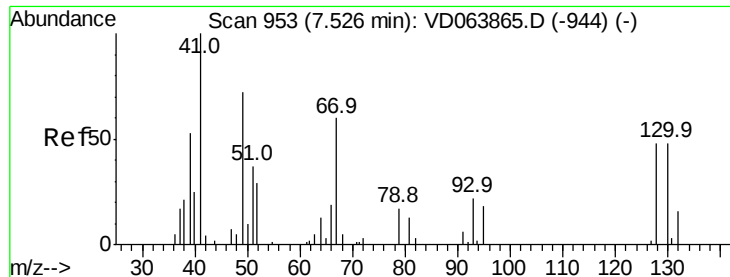
Tot Ion: 83 Resp: 180719
Ion Ratio Lower Upper
83 100
55 64.6 61.3 91.9
98 49.9 39.3 58.9



#40
Benzene
Concen: 51.511 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD063995.D
Acq: 17 Oct 2019 10:12

Tgt Ion: 78 Resp: 395566
Ion Ratio Lower Upper
78 100
77 25.9 19.0 28.6

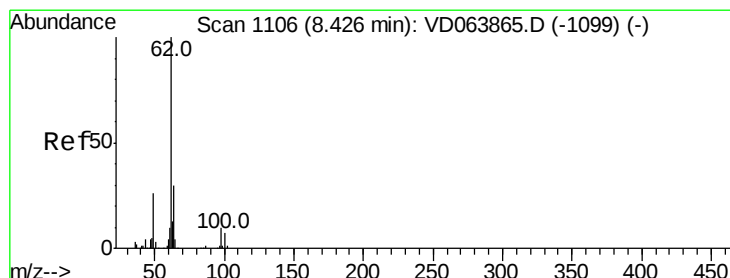
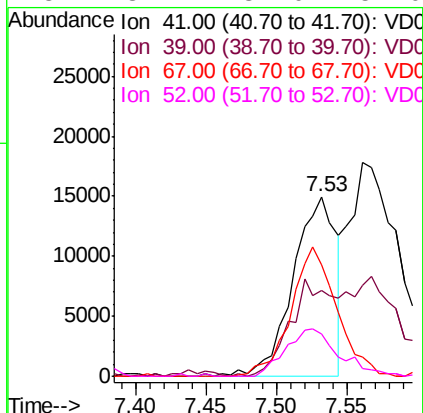
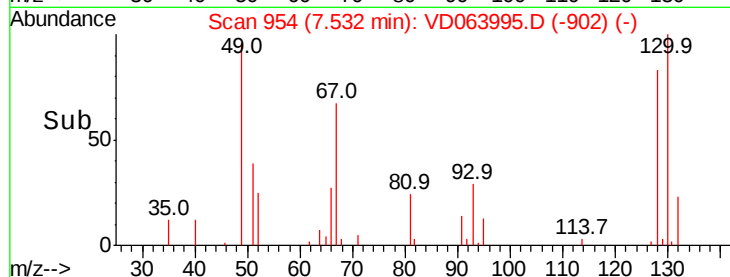
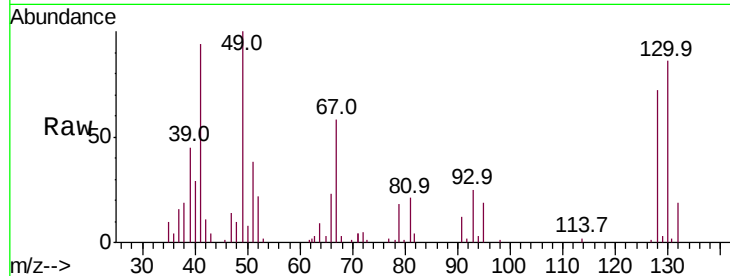




#41
Methacrylonitrile
Concen: 51.280 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD063995.D
Acq: 17 Oct 2019 10:12

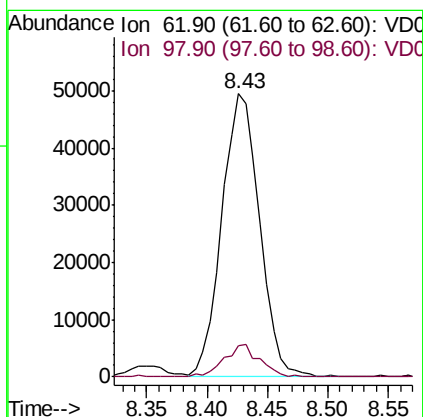
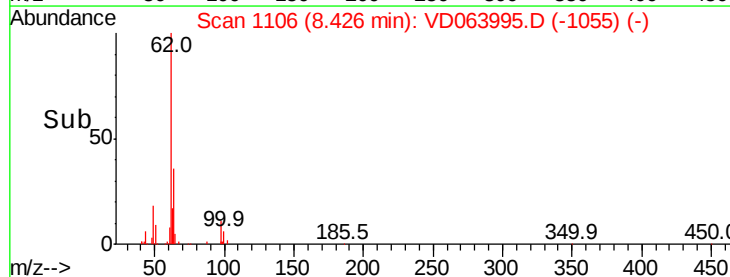
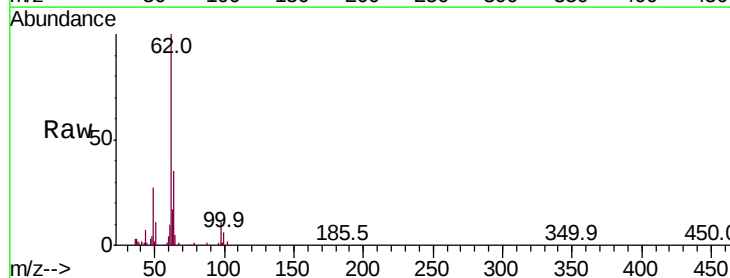
Instrument :
MSVOA_D
ClientSampleId :

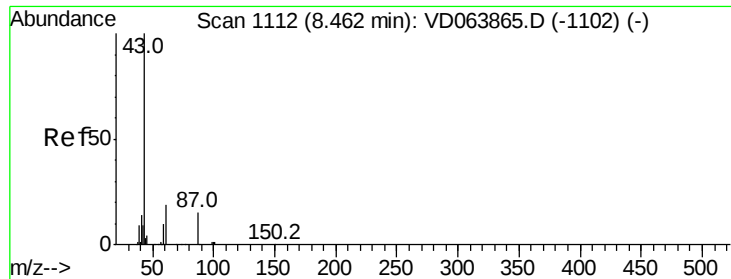
Tot Ion: 41 Resp: 31859
Ion Ratio Lower Upper
41 100
39 54.7 52.6 78.8
67 75.9 74.2 111.2
52 32.2 34.0 51.0#



#42
1,2-Dichloroethane
Concen: 48.306 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD063995.D
Acq: 17 Oct 2019 10:12

Tgt Ion: 62 Resp: 107303
Ion Ratio Lower Upper
62 100
98 10.6 0.0 20.0





#43

Isopropyl Acetate

Concen: 45.173 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD063995.D

Acq: 17 Oct 2019 10:12

Instrument :

MSVOA_D

ClientSampleId :

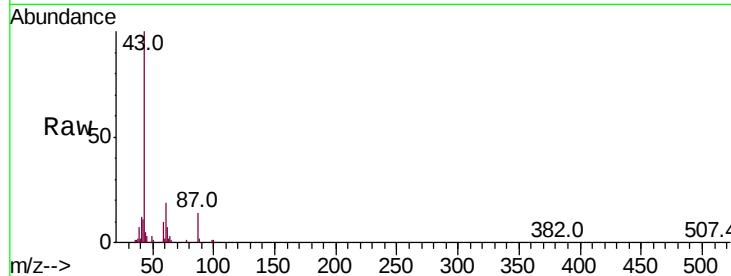
Tot Ion: 43 Resp: 101516

Ion Ratio Lower Upper

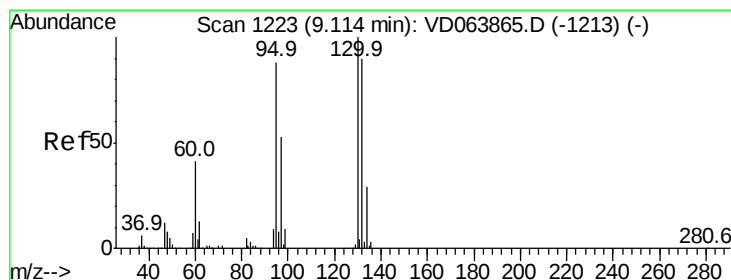
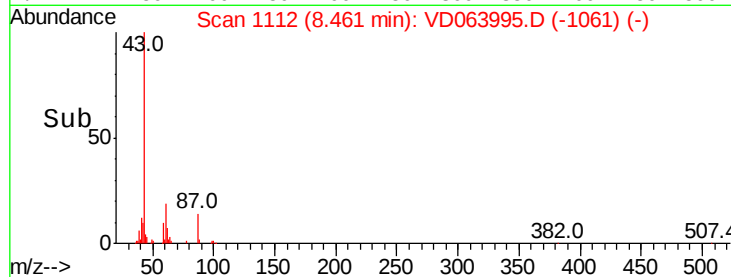
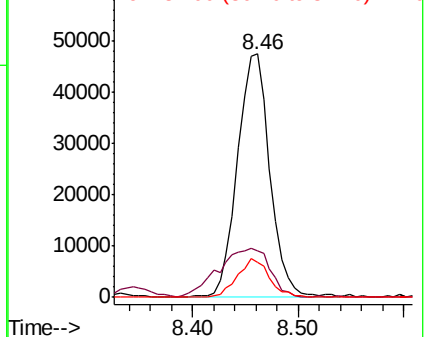
43 100

61 31.8 25.7 38.5

87 15.5 11.6 17.4



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



#44

Trichloroethene

Concen: 50.976 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD063995.D

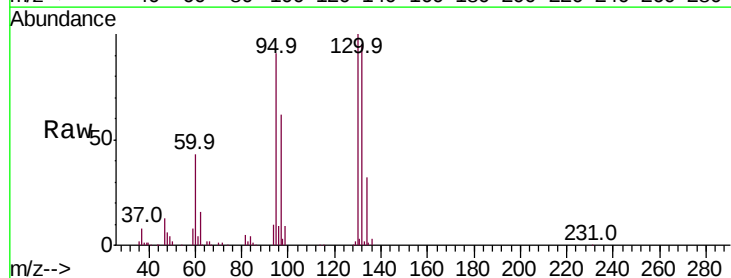
Acq: 17 Oct 2019 10:12

Tgt Ion:130 Resp: 112881

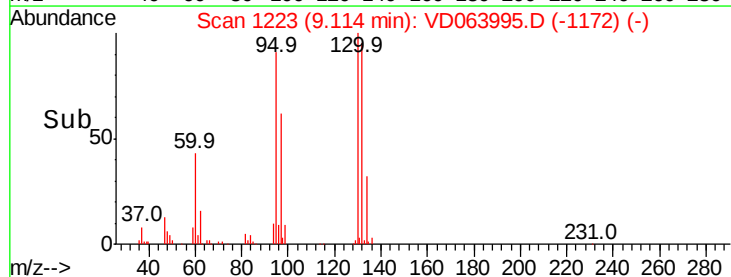
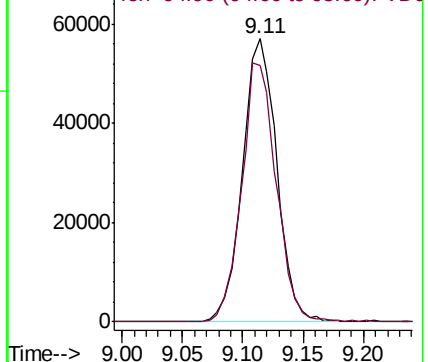
Ion Ratio Lower Upper

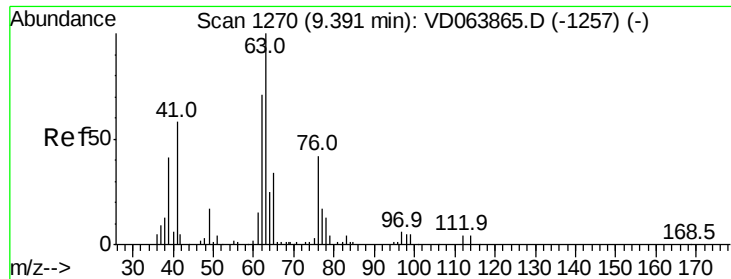
130 100

95 90.8 0.0 175.6



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





#45

1,2-Dichloropropane

Concen: 50.419 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD063995.D

Acq: 17 Oct 2019 10:12

Instrument :

MSVOA_D

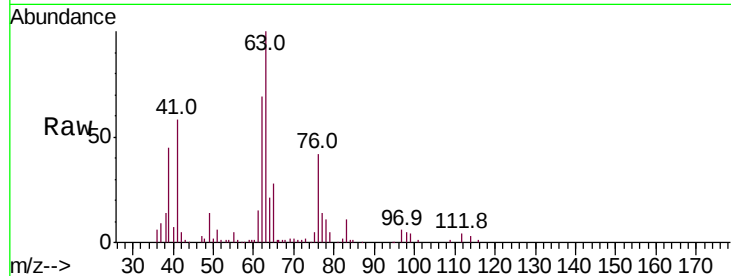
ClientSampleId :

Tot Ion: 63 Resp: 94768

Ion Ratio Lower Upper

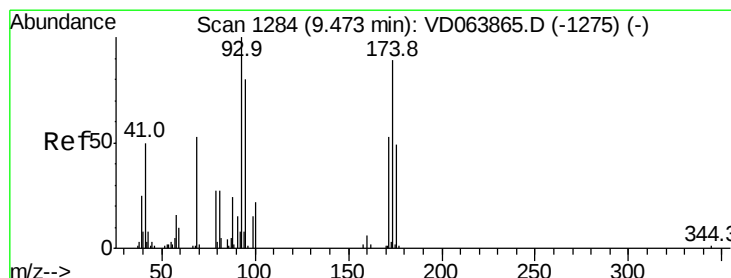
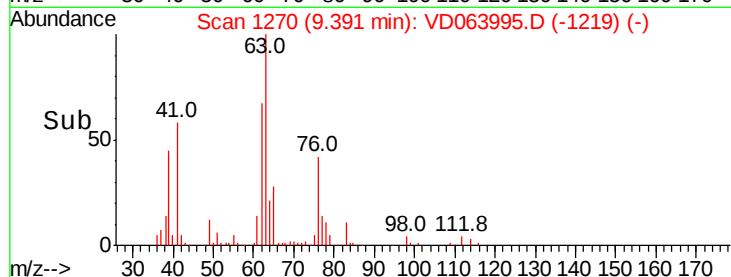
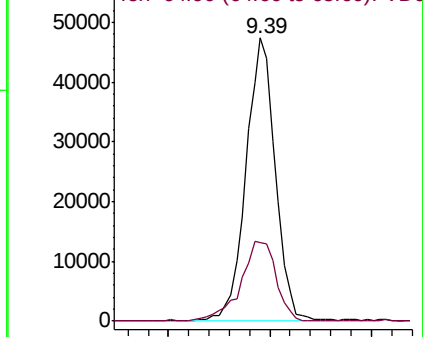
63 100

65 28.0 27.3 40.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 51.830 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD063995.D

Acq: 17 Oct 2019 10:12

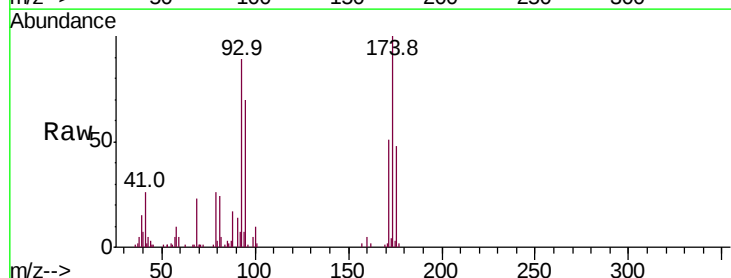
Tgt Ion: 93 Resp: 55482

Ion Ratio Lower Upper

93 100

95 79.4 66.0 99.0

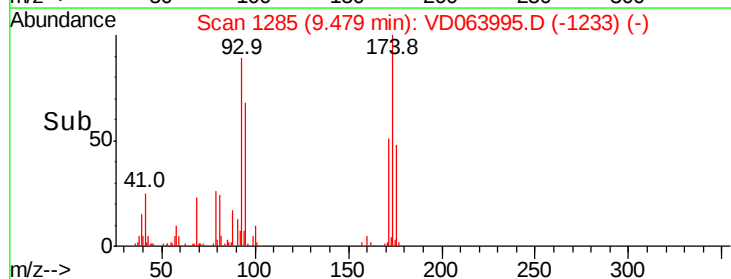
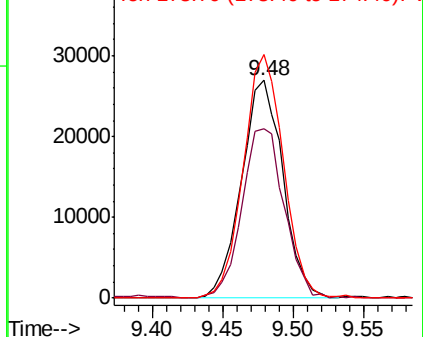
174 108.3 83.4 125.0

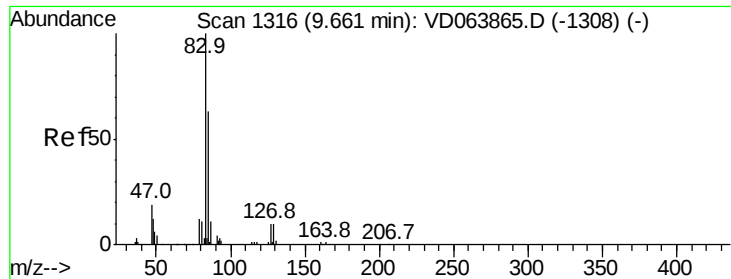


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 49.682 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD063995.D

Acq: 17 Oct 2019 10:12

Instrument :

MSVOA_D

ClientSampleId :

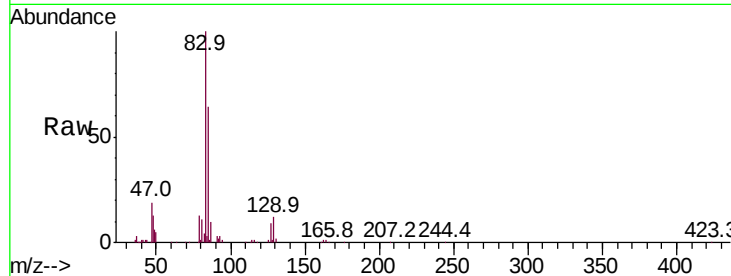
Tot Ion: 83 Resp: 136924

Ion Ratio Lower Upper

83 100

85 63.6 50.2 75.2

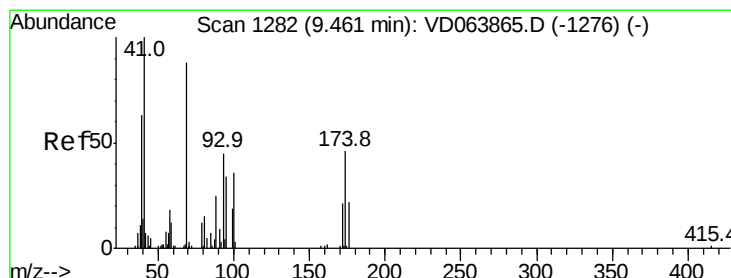
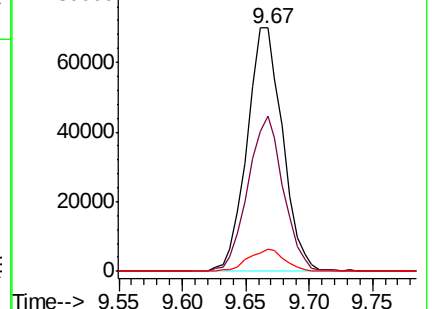
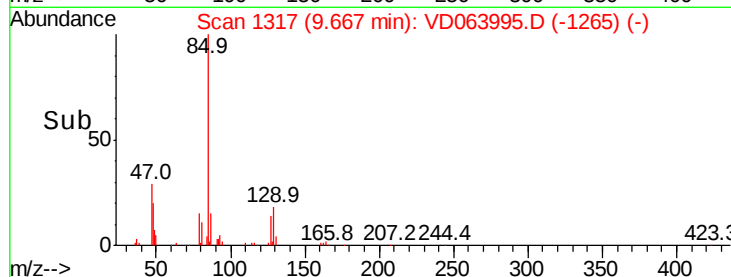
127 9.2 7.6 11.4



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: 44.339 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD063995.D

Acq: 17 Oct 2019 10:12

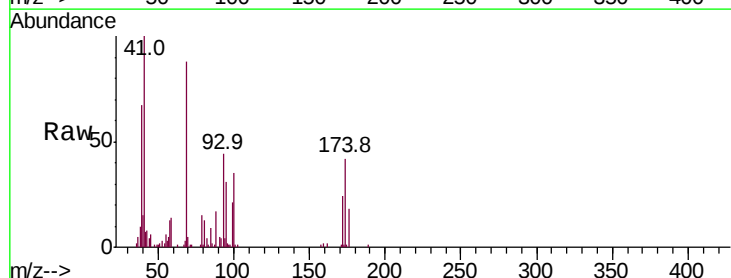
Tgt Ion: 41 Resp: 47742

Ion Ratio Lower Upper

41 100

69 93.9 75.1 112.7

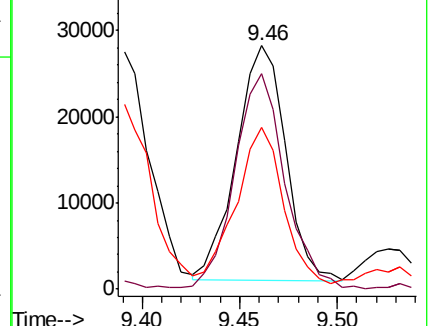
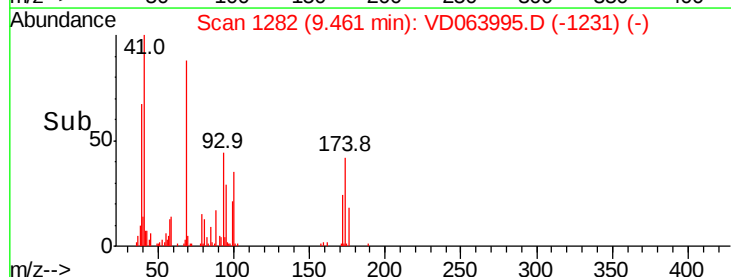
39 63.4 50.2 75.2

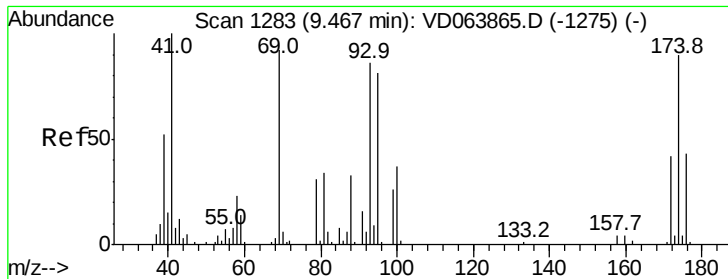


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#49

1,4-Dioxane

Concen: 954.371 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VD063995.D

Acq: 17 Oct 2019 10:12

Instrument :
MSVOA_D
ClientSampled :

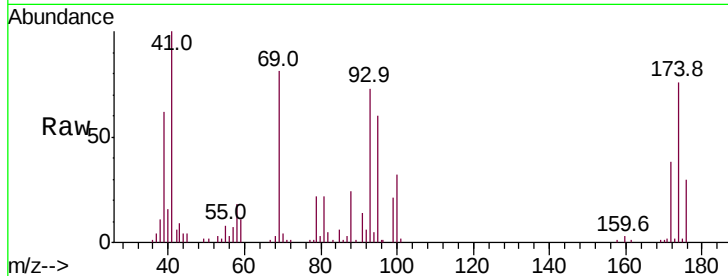
Tot Ion: 88 Resp: 13945

Ion Ratio Lower Upper

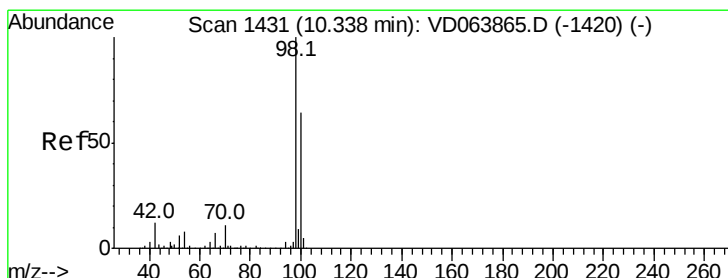
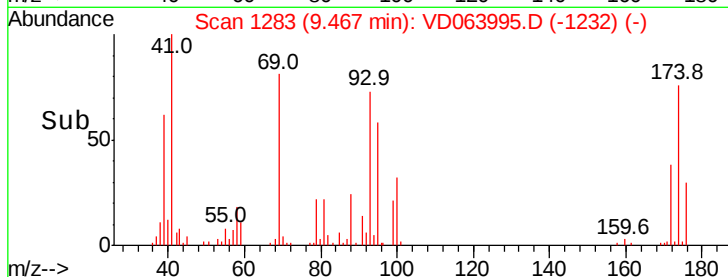
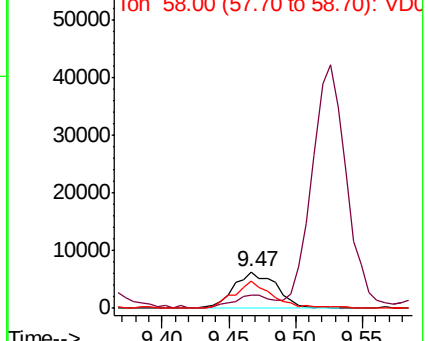
88 100

43 36.9 27.6 41.4

58 68.8 54.1 81.1



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



#50

Toluene-d8

Concen: 53.920 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD063995.D

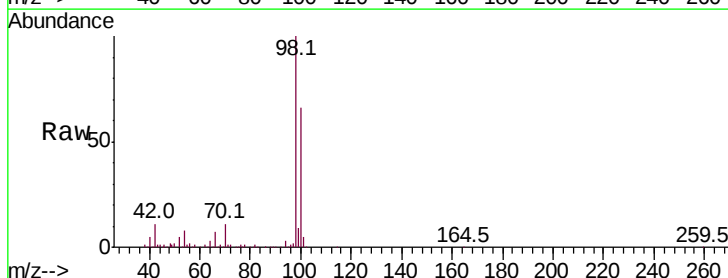
Acq: 17 Oct 2019 10:12

Tgt Ion: 98 Resp: 391987

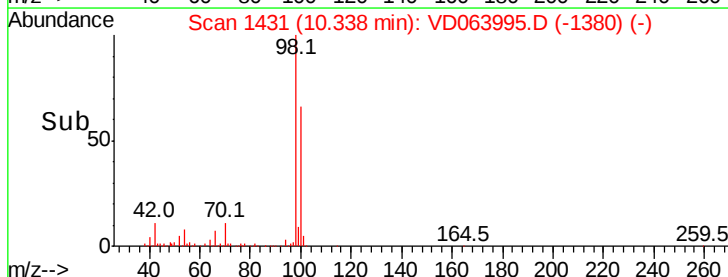
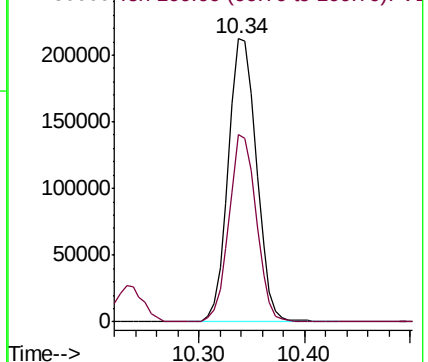
Ion Ratio Lower Upper

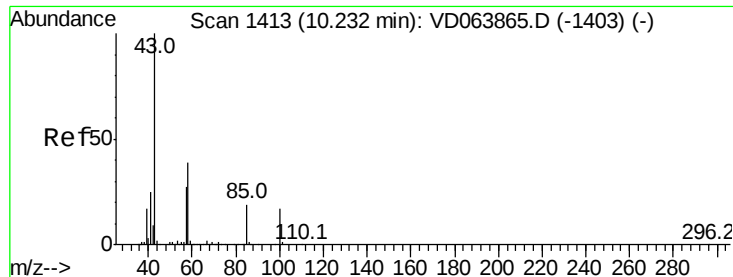
98 100

100 63.9 52.1 78.1



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





#51

4-Methyl-2-Pentanone

Concen: 233.652 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD063995.D

Acq: 17 Oct 2019 10:12

Instrument :

MSVOA_D

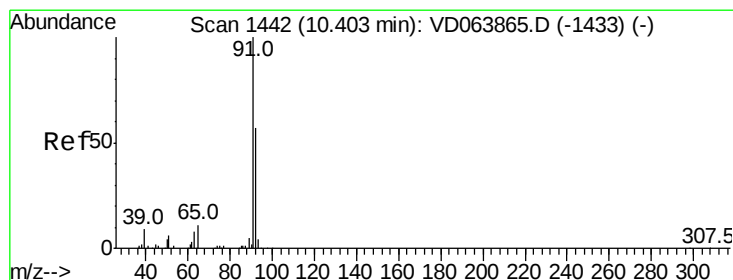
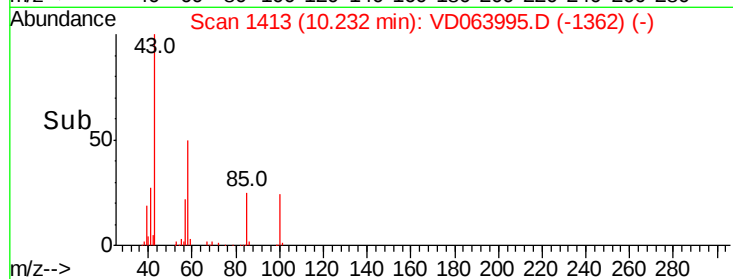
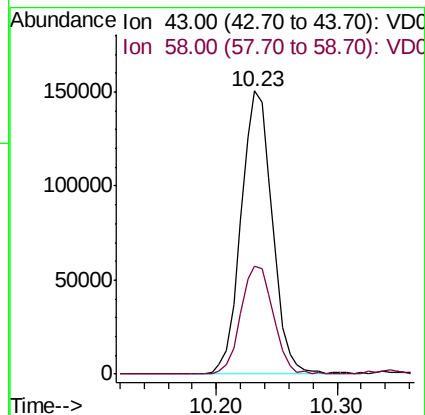
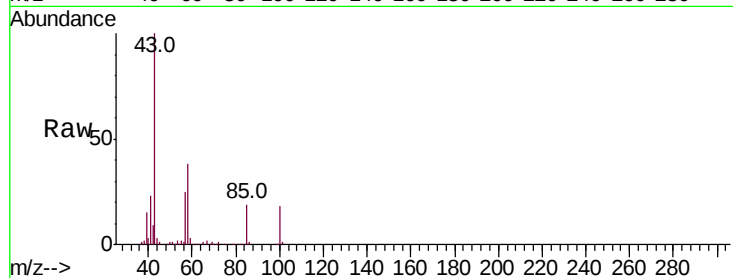
ClientSampleId :

Tot Ion: 43 Resp: 272321

Ion Ratio Lower Upper

43 100

58 39.9 33.0 49.4



#52

Toluene

Concen: 52.775 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD063995.D

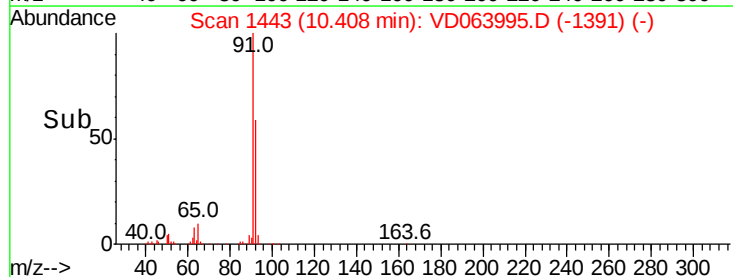
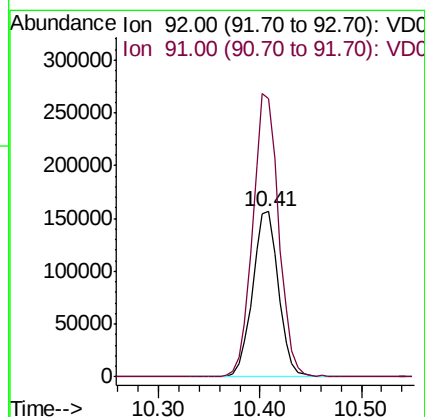
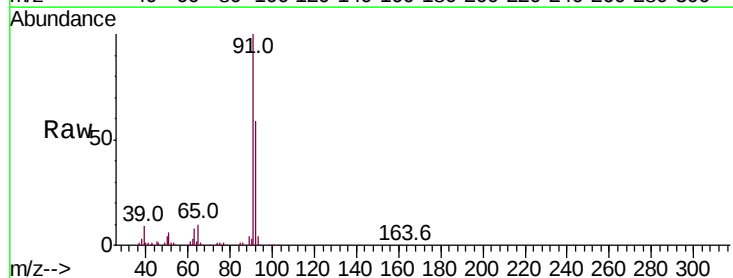
Acq: 17 Oct 2019 10:12

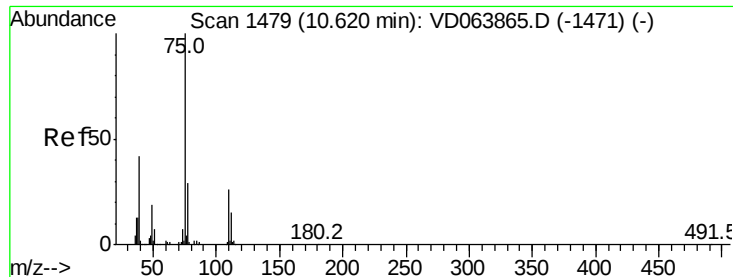
Tgt Ion: 92 Resp: 278212

Ion Ratio Lower Upper

92 100

91 172.3 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 50.023 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD063995.D

Acq: 17 Oct 2019 10:12

Instrument :

MSVOA_D

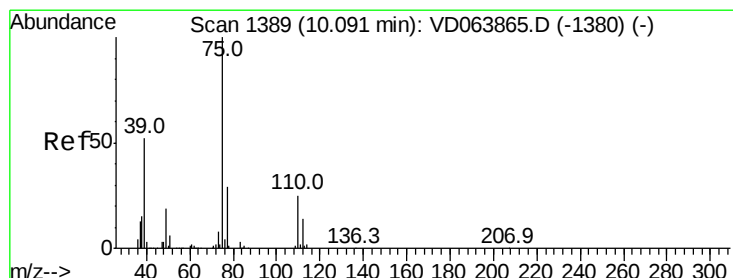
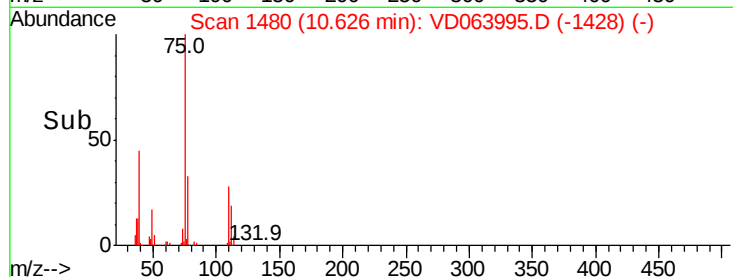
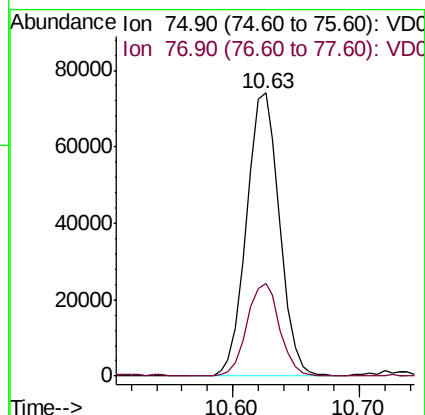
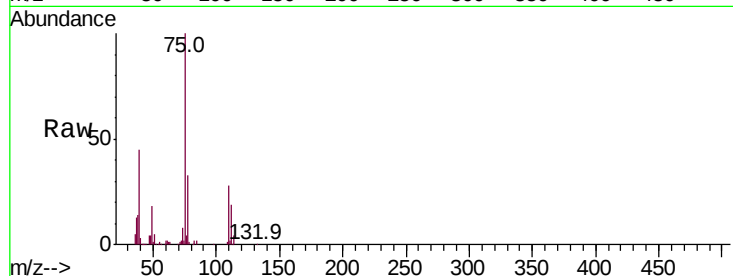
ClientSampleId :

Tot Ion: 75 Resp: 134531

Ion Ratio Lower Upper

75 100

77 32.8 22.8 34.2



#54

cis-1,3-Dichloropropene

Concen: 50.961 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD063995.D

Acq: 17 Oct 2019 10:12

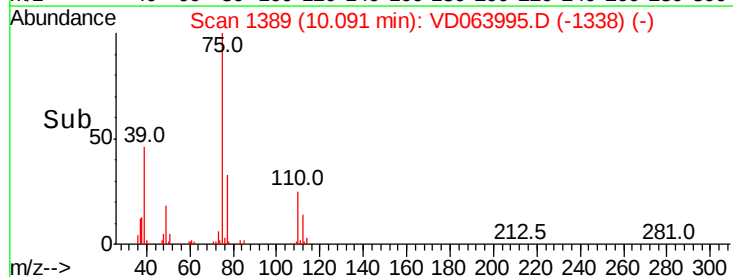
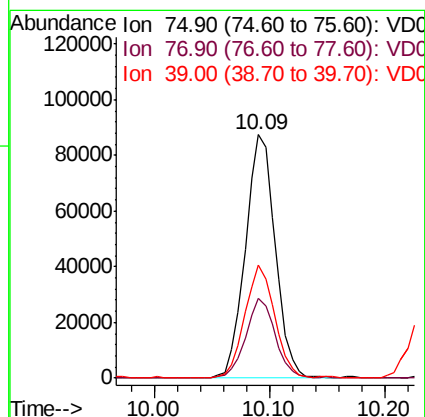
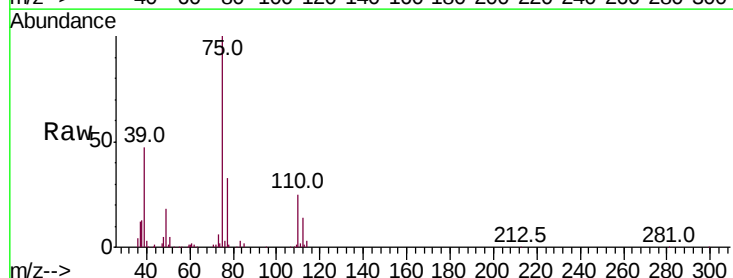
Tgt Ion: 75 Resp: 157762

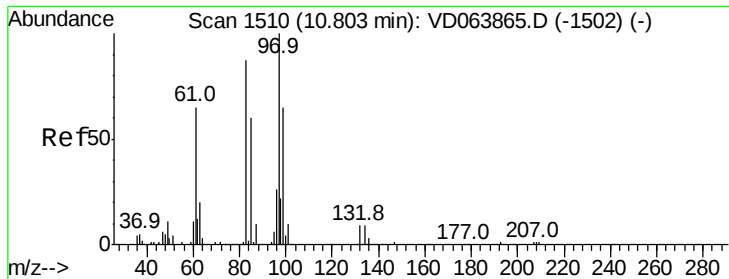
Ion Ratio Lower Upper

75 100

77 32.5 23.2 34.8

39 46.5 41.5 62.3

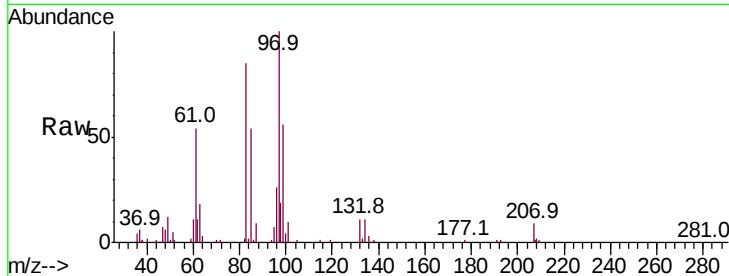




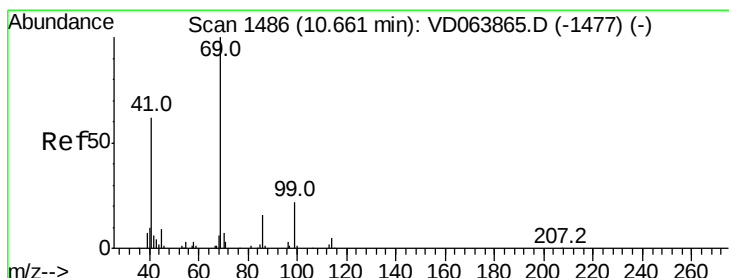
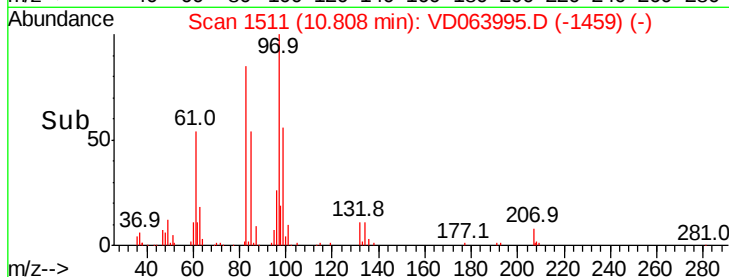
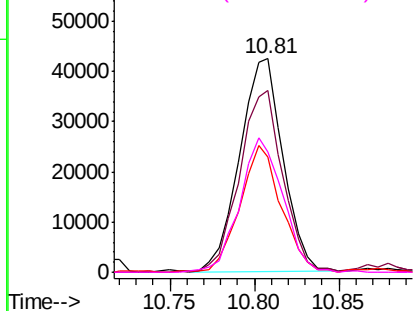
#55
 1,1,2-Trichloroethane
 Concen: 50.035 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD063995.D
 Acq: 17 Oct 2019 10:12

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	75625
Ion	Ratio	Lower	Upper
97	100		
83	85.6	69.7	104.5
85	53.9	48.1	72.1
99	56.5	51.9	77.9

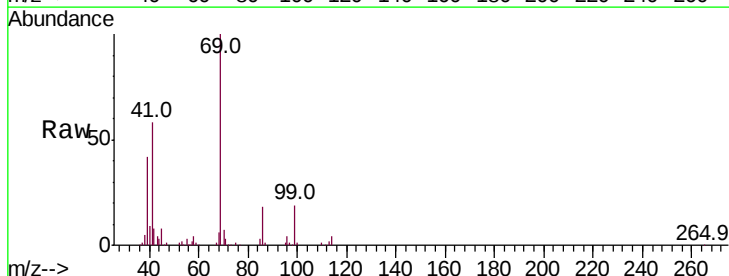


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

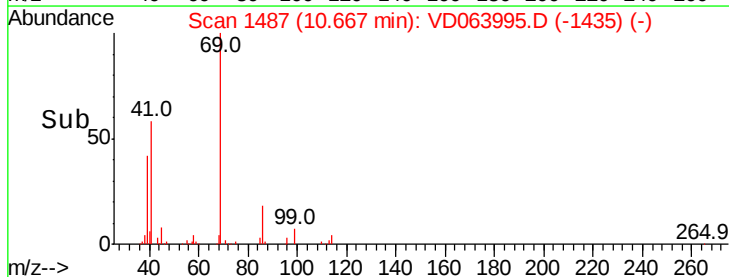
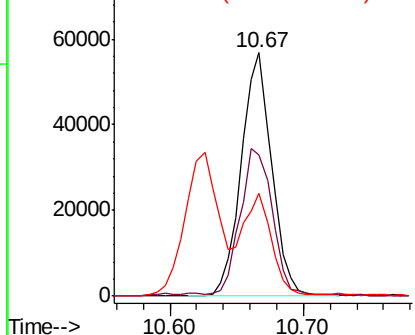


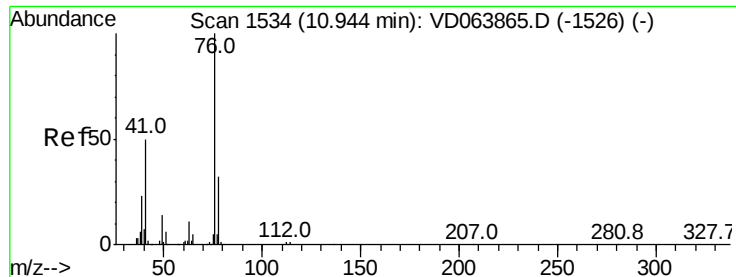
#56
 Ethyl methacrylate
 Concen: 46.813 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD063995.D
 Acq: 17 Oct 2019 10:12

Tgt Ion:	69	Resp:	89602
Ion	Ratio	Lower	Upper
69	100		
41	64.0	51.3	76.9
39	35.9	28.0	42.0



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: 48.593 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VD063995.D

Acq: 17 Oct 2019 10:12

Instrument :

MSVOA_D

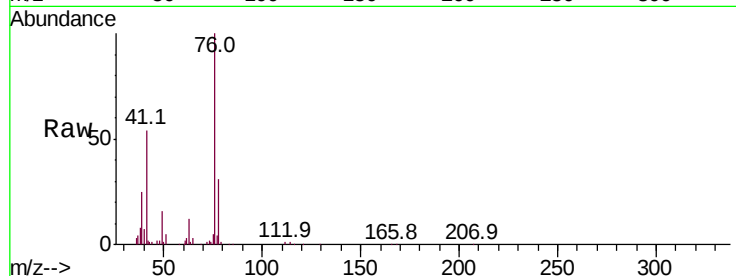
ClientSampleId :

Tot Ion: 76 Resp: 125662

Ion Ratio Lower Upper

76 100

78 33.1 26.6 40.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

80000

60000

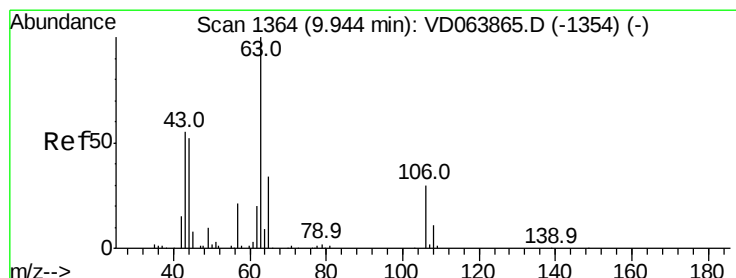
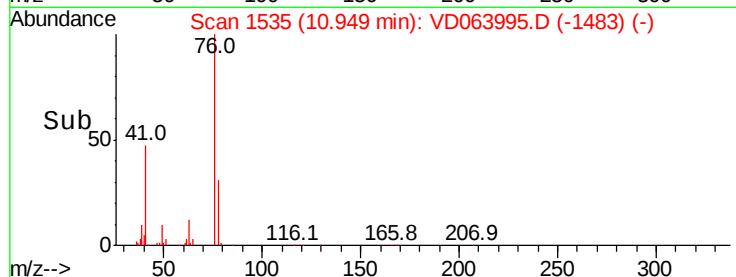
40000

20000

0

Time-->

10.90 11.00



#58

2-Chloroethyl Vinyl ether

Concen: 238.443 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD063995.D

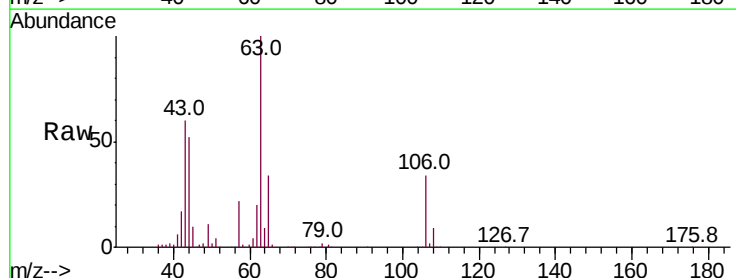
Acq: 17 Oct 2019 10:12

Tgt Ion: 63 Resp: 196172

Ion Ratio Lower Upper

63 100

106 31.3 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.94

120000

100000

80000

60000

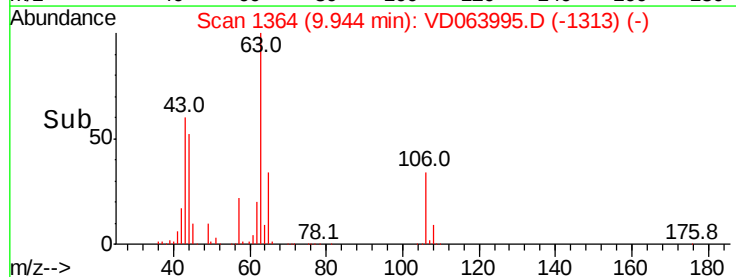
40000

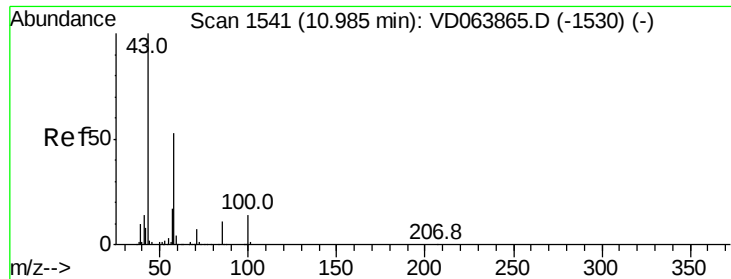
20000

0

Time-->

9.90 10.00 10.10

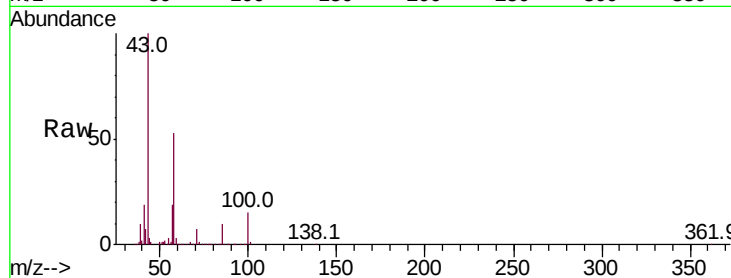




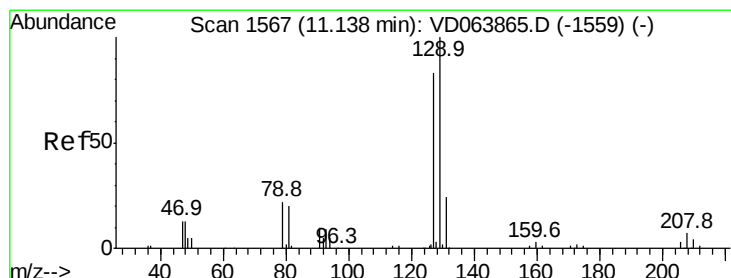
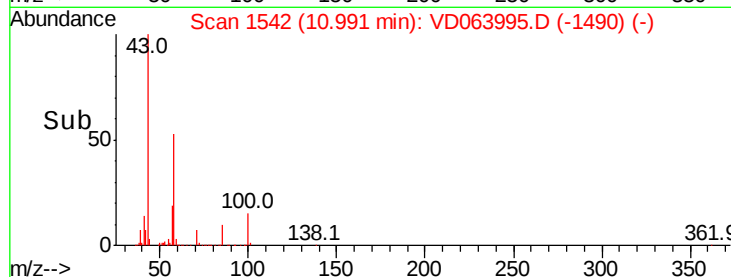
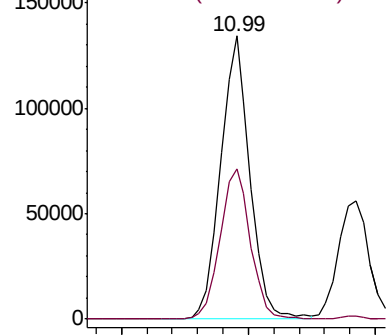
#59
2-Hexanone
Concen: 254.845 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD063995.D
Acq: 17 Oct 2019 10:12

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 214856
Ion Ratio Lower Upper
43 100
58 55.4 27.7 83.0

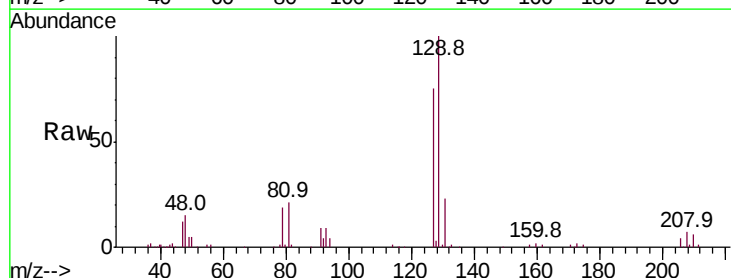


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

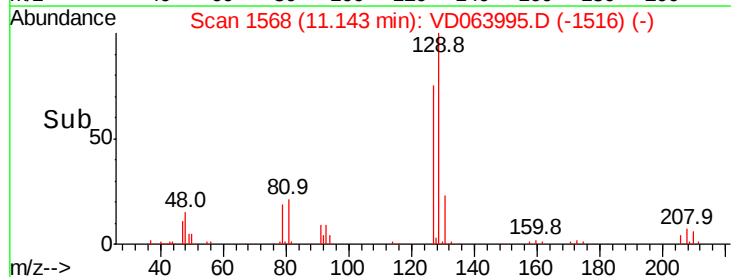
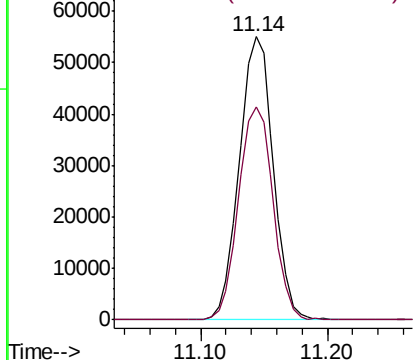


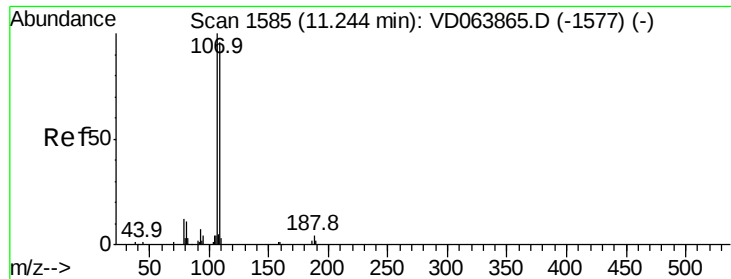
#60
Dibromochloromethane
Concen: 51.831 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD063995.D
Acq: 17 Oct 2019 10:12

Tgt Ion:129 Resp: 101991
Ion Ratio Lower Upper
129 100
127 76.7 39.9 119.6



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

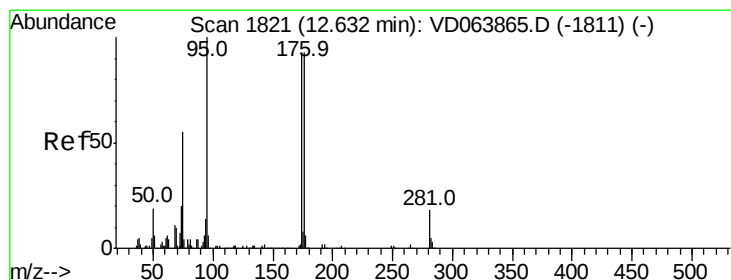
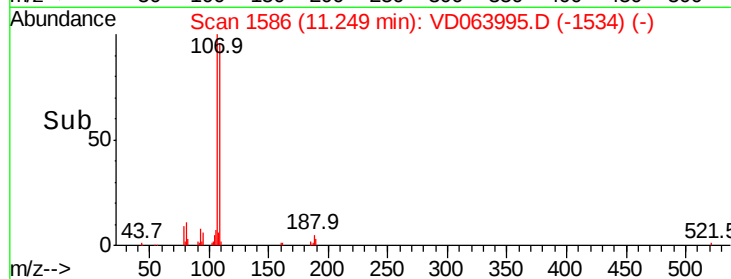
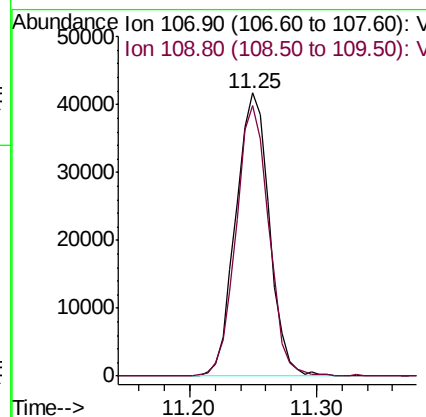
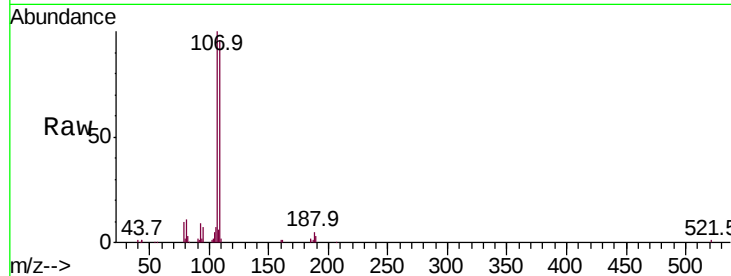




#61
 1,2-Dibromoethane
 Concen: 51.981 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD063995.D
 Acq: 17 Oct 2019 10:12

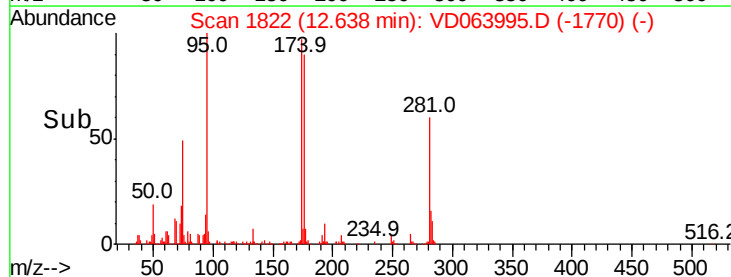
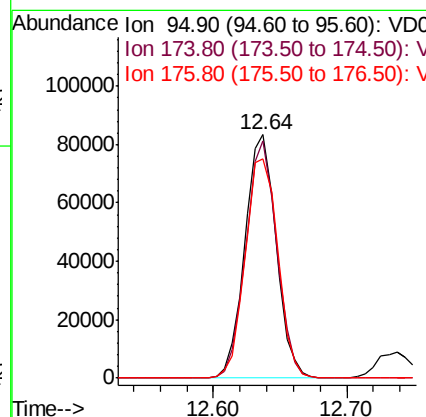
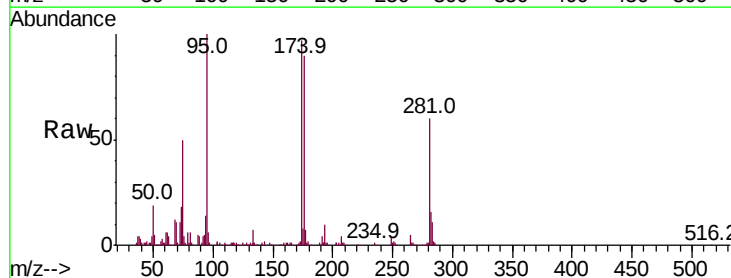
Instrument :
 MSVOA_D
 ClientSampleId :

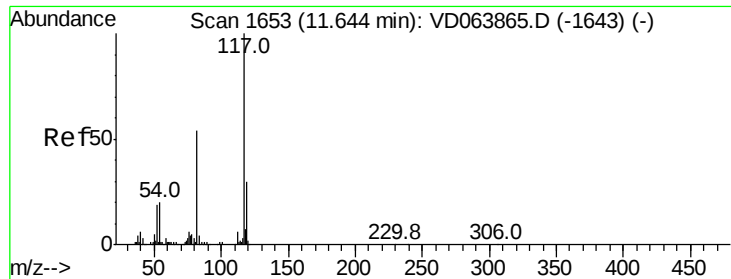
Tot Ion:107 Resp: 76167
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 53.219 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.01 min
 Lab File: VD063995.D
 Acq: 17 Oct 2019 10:12

Tgt Ion: 95 Resp: 134445
 Ion Ratio Lower Upper
 95 100
 174 96.5 0.0 186.4
 176 94.1 0.0 184.2

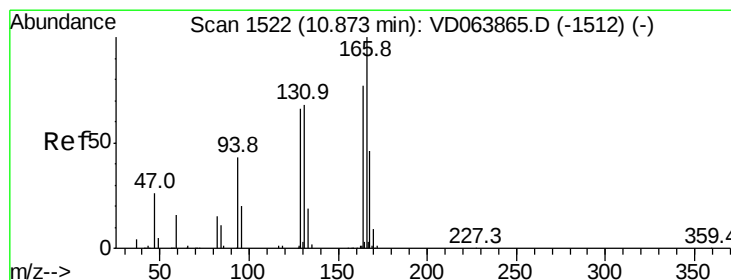
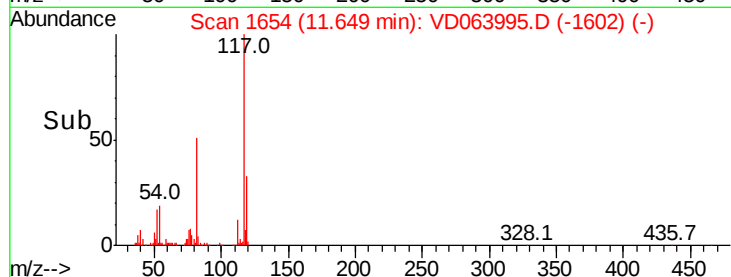
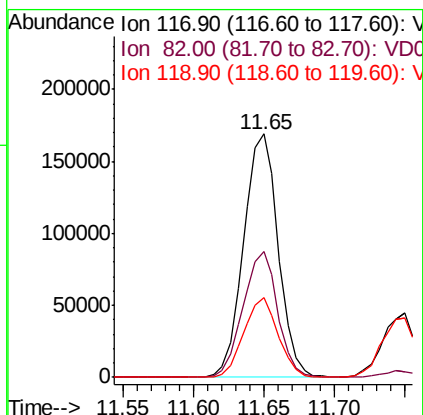
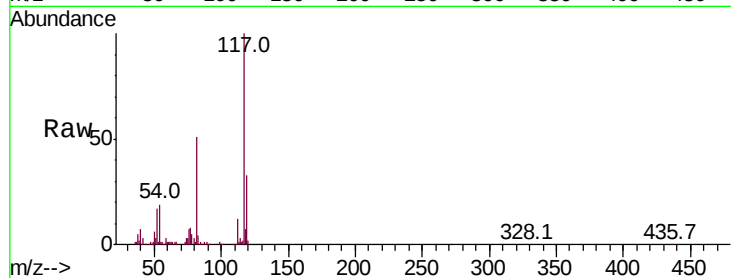




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD063995.D
Acq: 17 Oct 2019 10:12

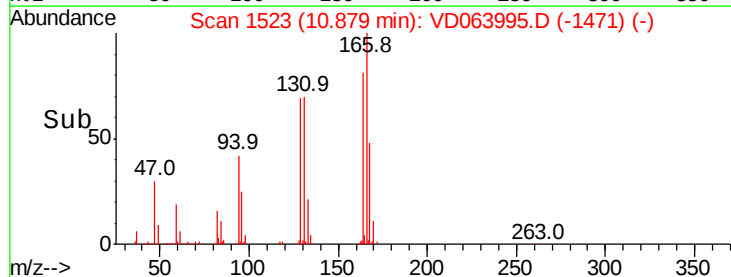
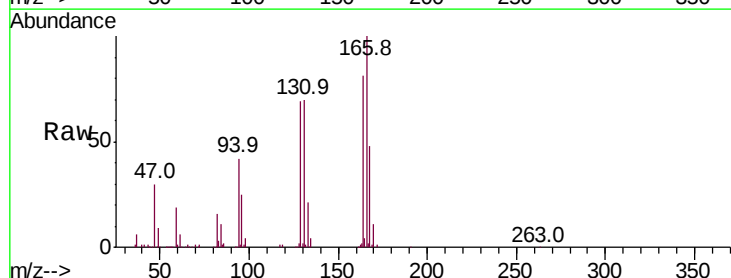
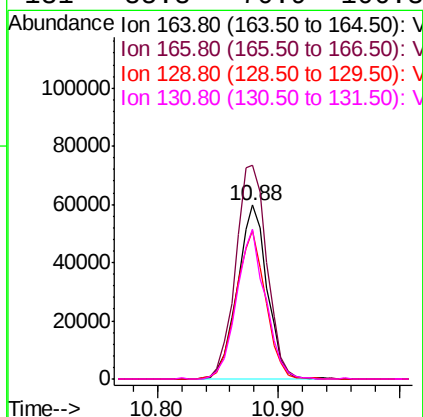
Instrument :
MSVOA_D
ClientSampleId :

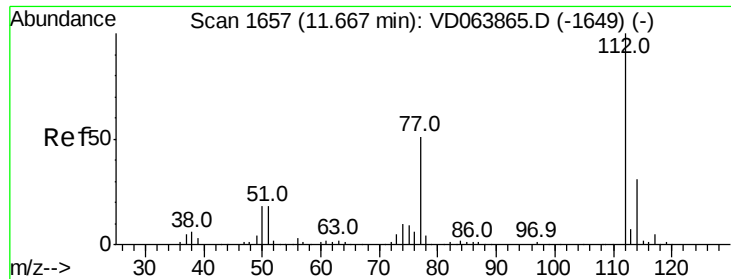
Tot Ion:117 Resp: 289530
Ion Ratio Lower Upper
117 100
82 51.3 42.8 64.2
119 32.5 24.4 36.6



#64
Tetrachloroethene
Concen: 52.054 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD063995.D
Acq: 17 Oct 2019 10:12

Tgt Ion:164 Resp: 102888
Ion Ratio Lower Upper
164 100
166 122.8 103.8 155.6
129 85.3 68.9 103.3
131 85.8 70.9 106.3

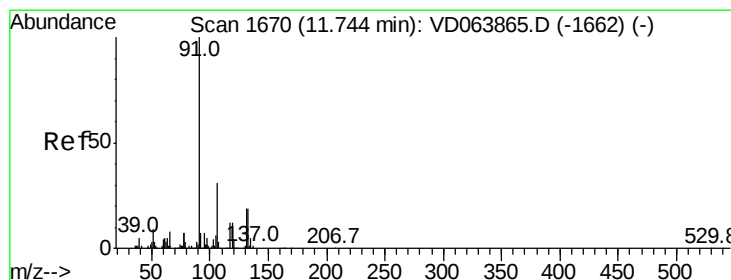
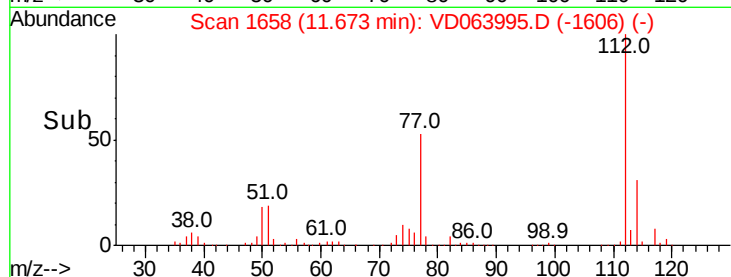
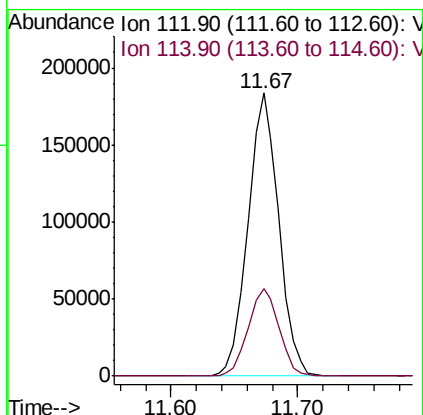
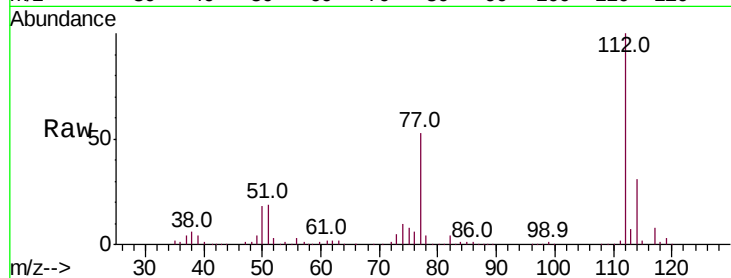




#65
Chlorobenzene
Concen: 53.351 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD063995.D
Acq: 17 Oct 2019 10:12

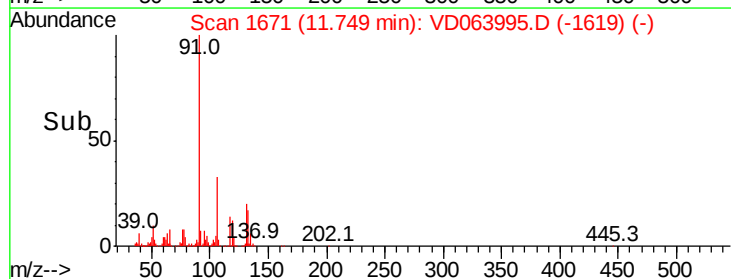
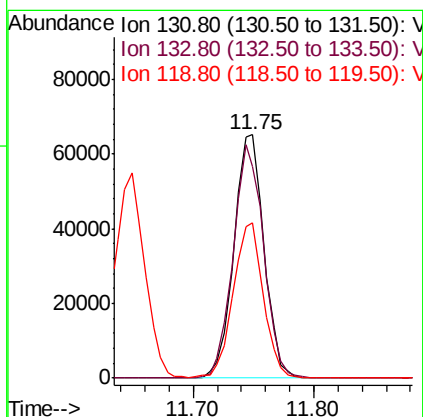
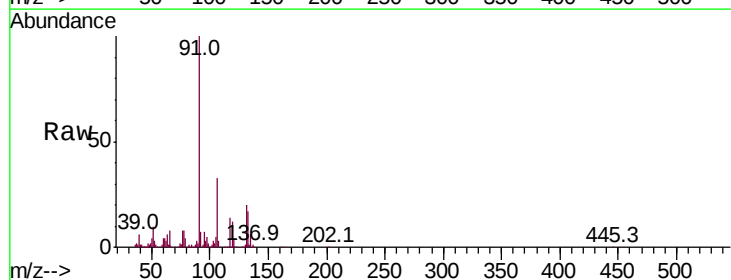
Instrument :
MSVOA_D
ClientSampleId :

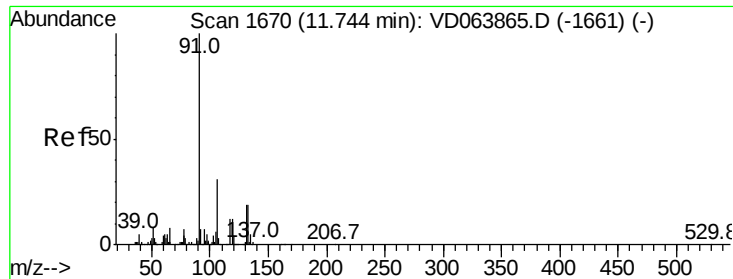
Tot Ion:112 Resp: 310210
Ion Ratio Lower Upper
112 100
114 31.0 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 52.786 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD063995.D
Acq: 17 Oct 2019 10:12

Tgt Ion:131 Resp: 113095
Ion Ratio Lower Upper
131 100
133 97.1 48.9 146.7
119 64.0 32.6 97.8





#67

Ethyl Benzene

Concen: 52.643 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD063995.D

Acq: 17 Oct 2019 10:12

Instrument :

MSVOA_D

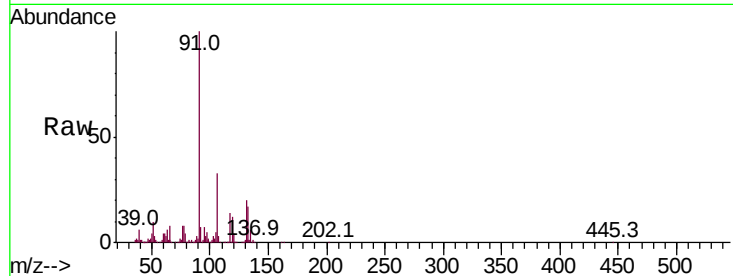
ClientSampled :

Tot Ion: 91 Resp: 551947

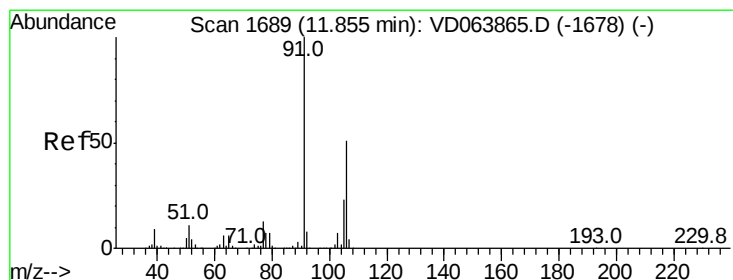
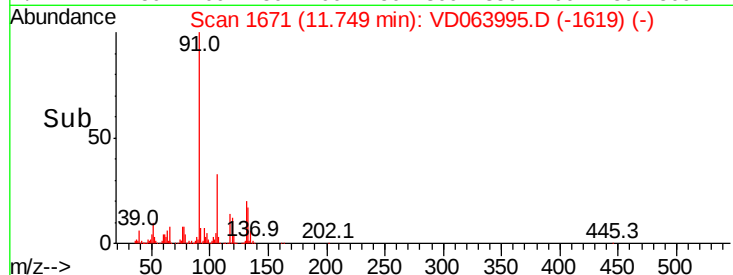
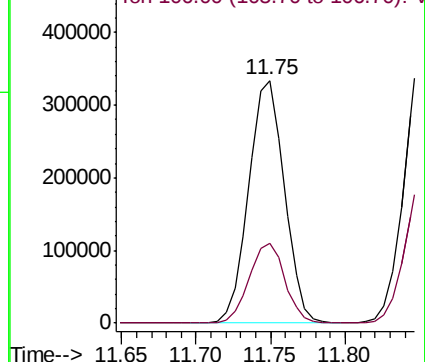
Ion Ratio Lower Upper

91 100

106 33.2 24.6 37.0



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 110.894 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD063995.D

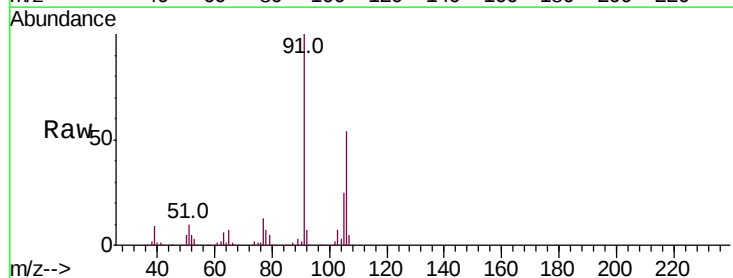
Acq: 17 Oct 2019 10:12

Tgt Ion: 106 Resp: 448774

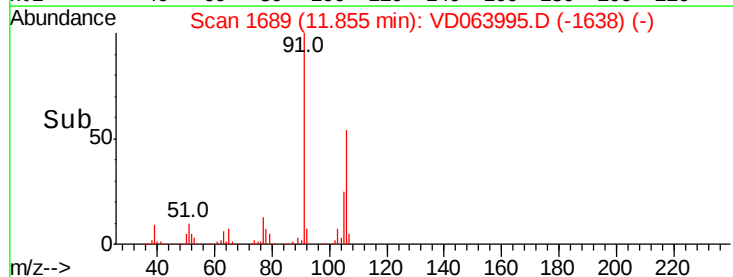
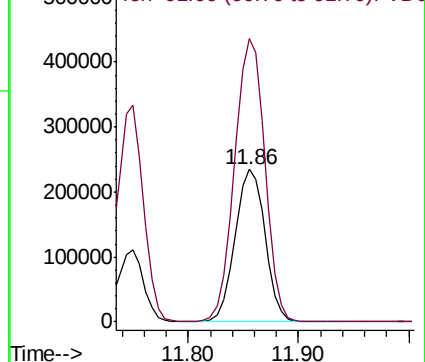
Ion Ratio Lower Upper

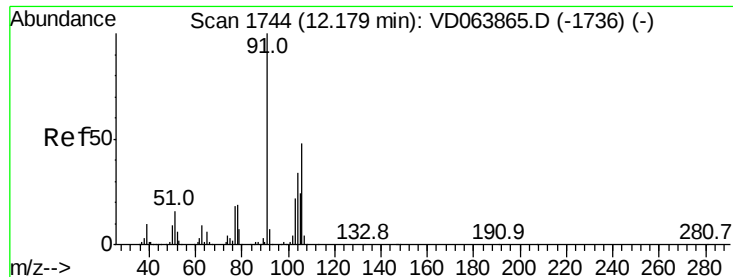
106 100

91 187.6 154.8 232.2



Abundance Ion 106.00 (105.70 to 106.70): V





#69

o-Xylene

Concen: 52.047 ug/l

RT: 12.18 min Scan# 1745

Delta R.T. 0.01 min

Lab File: VD063995.D

Acq: 17 Oct 2019 10:12

Instrument :

MSVOA_D

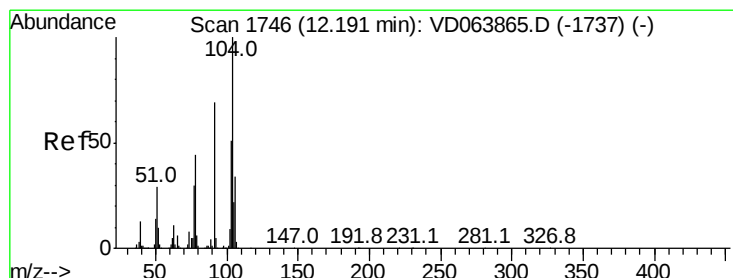
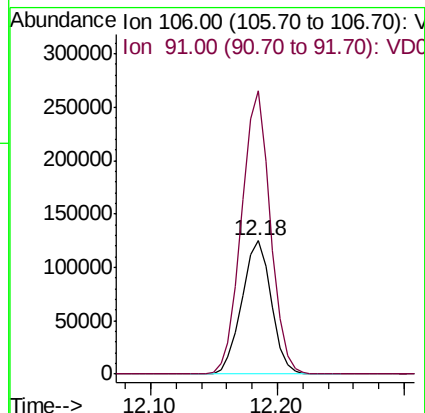
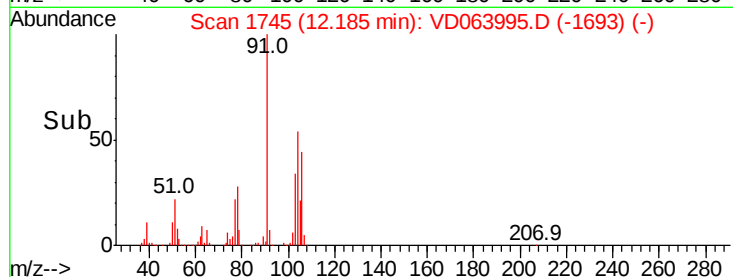
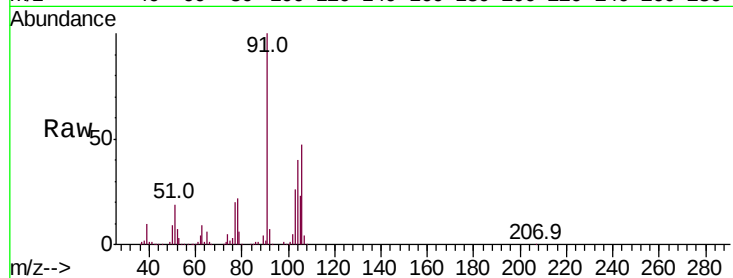
ClientSampled :

Tot Ion:106 Resp: 201686

Ion Ratio Lower Upper

106 100

91 207.1 103.9 311.7



#70

Styrene

Concen: 53.206 ug/l

RT: 12.20 min Scan# 1747

Delta R.T. 0.01 min

Lab File: VD063995.D

Acq: 17 Oct 2019 10:12

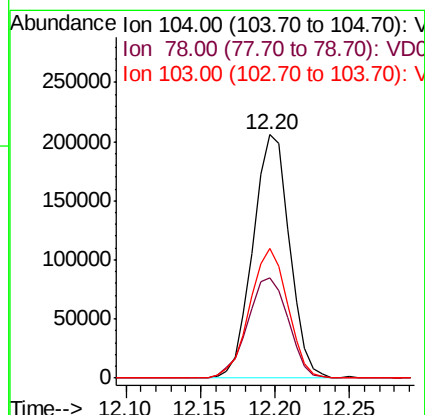
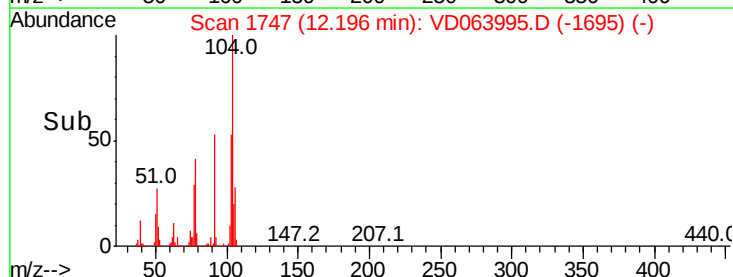
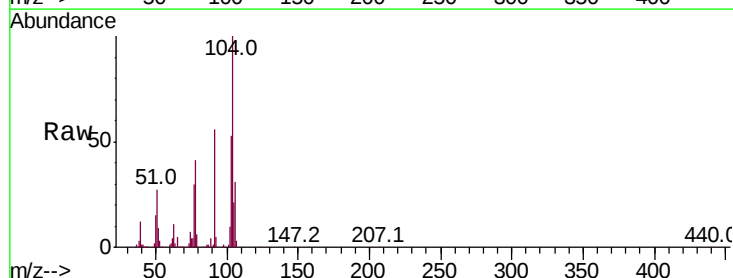
Tgt Ion:104 Resp: 349028

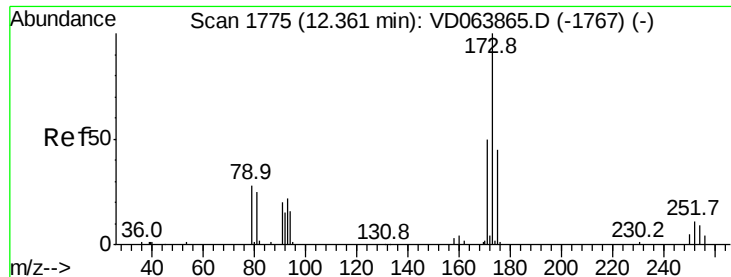
Ion Ratio Lower Upper

104 100

78 45.9 37.0 55.4

103 55.5 44.2 66.4





#71

Bromoform

Concen: 55.993 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD063995.D

Acq: 17 Oct 2019 10:12

Instrument :

MSVOA_D

ClientSampleId :

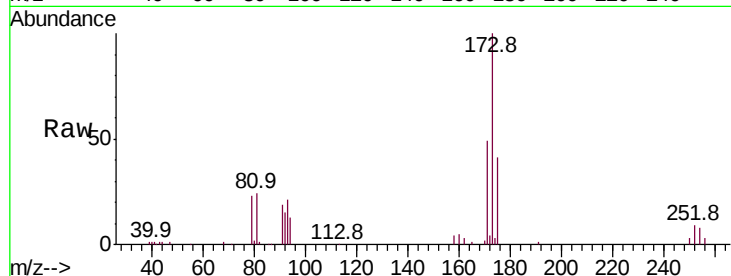
Tot Ion:173 Resp: 64383

Ion Ratio Lower Upper

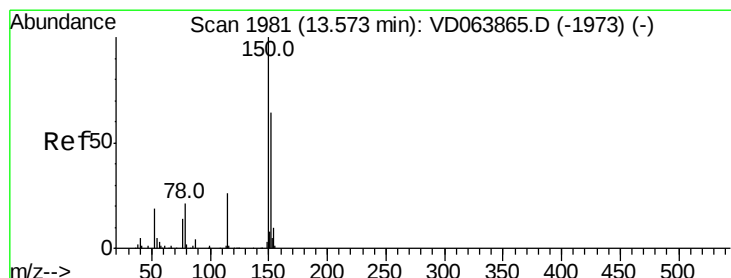
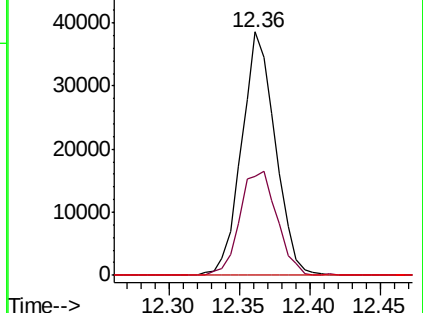
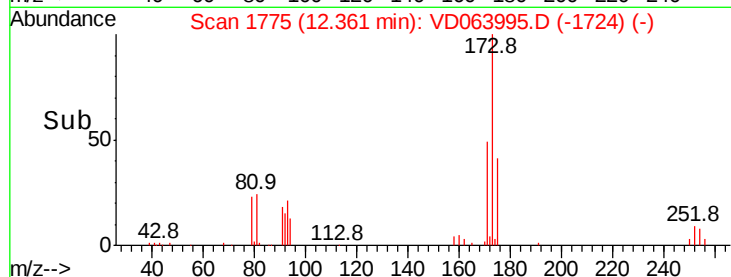
173 100

175 47.2 24.6 74.0

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.01 min

Lab File: VD063995.D

Acq: 17 Oct 2019 10:12

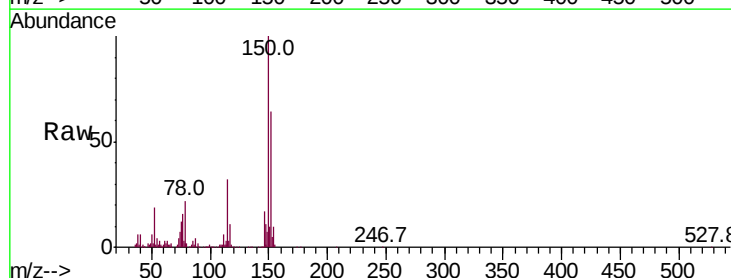
Tgt Ion:152 Resp: 170655

Ion Ratio Lower Upper

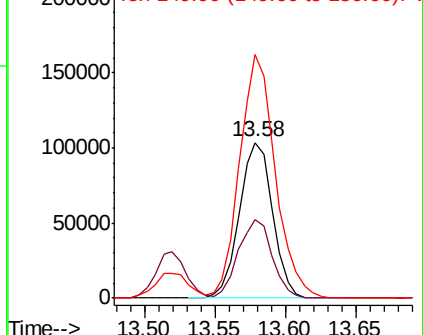
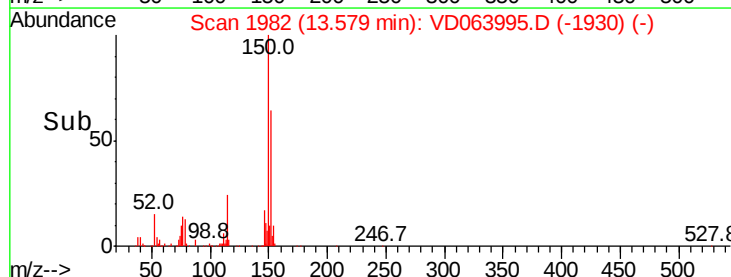
152 100

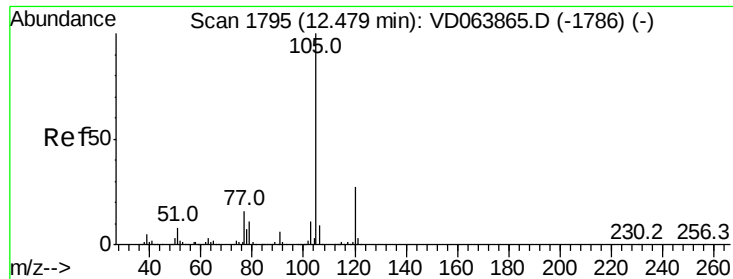
115 51.1 25.9 77.7

150 167.8 0.0 344.2



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





#73

Isopropylbenzene

Concen: 48.359 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD063995.D

Acq: 17 Oct 2019 10:12

Instrument :

MSVOA_D

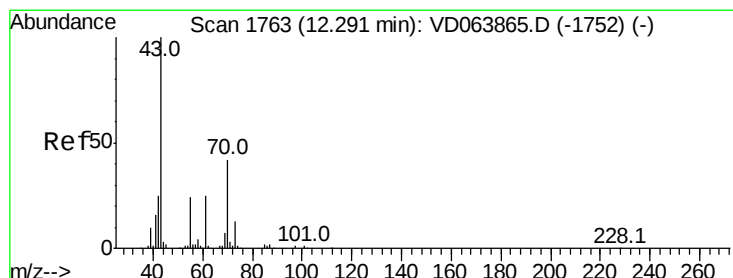
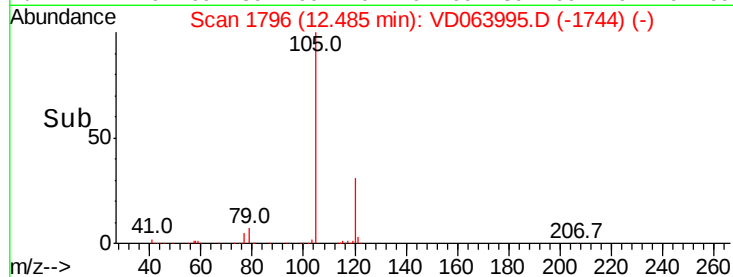
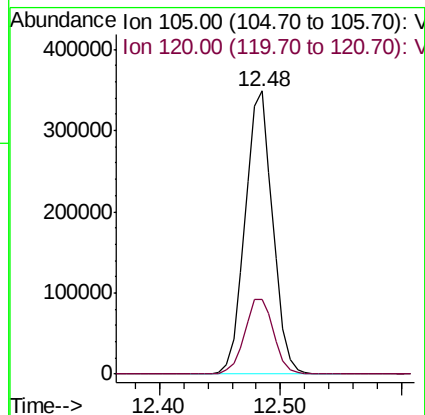
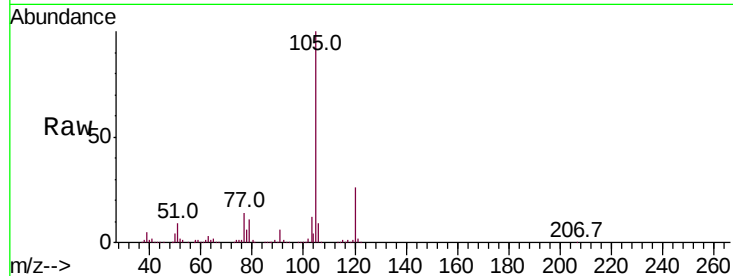
ClientSampleId :

Tot Ion:105 Resp: 554789

Ion Ratio Lower Upper

105 100

120 28.0 13.3 39.8



#74

N-ethyl acetate

Concen: 41.171 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063995.D

Acq: 17 Oct 2019 10:12

Tgt Ion: 43 Resp: 101693

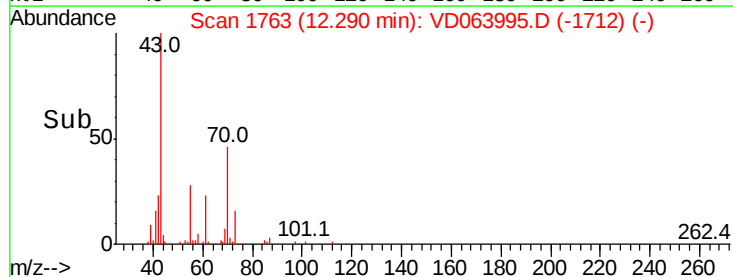
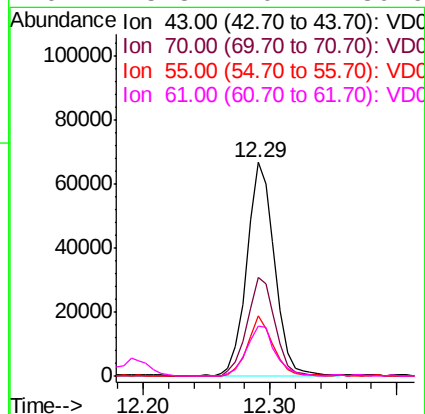
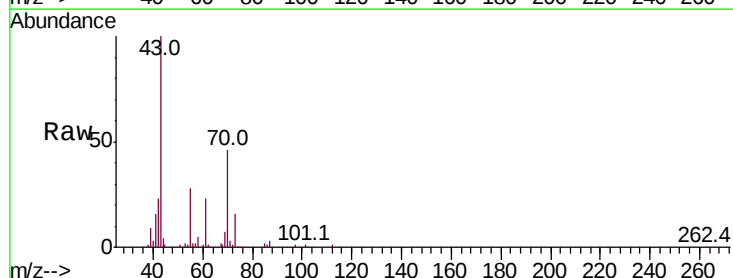
Ion Ratio Lower Upper

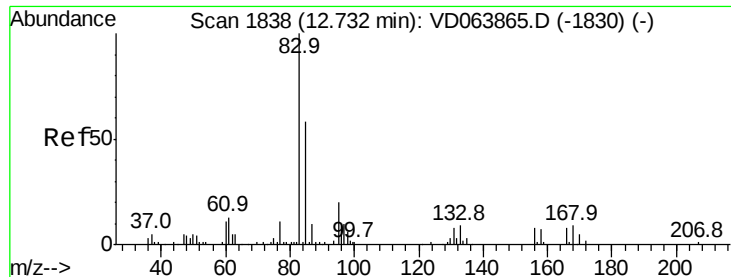
43 100

70 46.8 35.8 53.6

55 25.7 19.4 29.0

61 23.8 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 43.877 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063995.D

Acq: 17 Oct 2019 10:12

Instrument :

MSVOA_D

ClientSampleId :

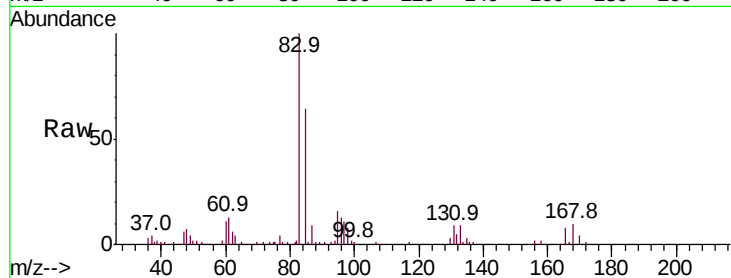
Tot Ion: 83 Resp: 87593

Ion	Ratio	Lower	Upper
83	100		
131	11.8	5.6	16.8
85	67.2	32.3	96.8

83 100

131 11.8 5.6 16.8

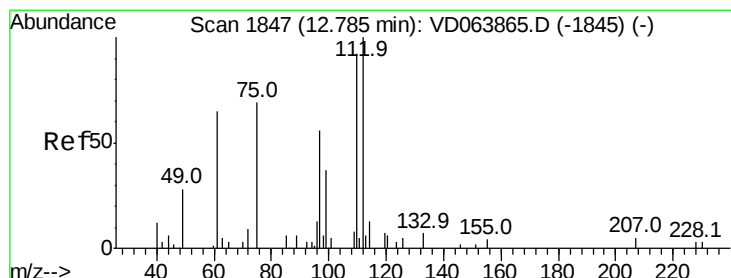
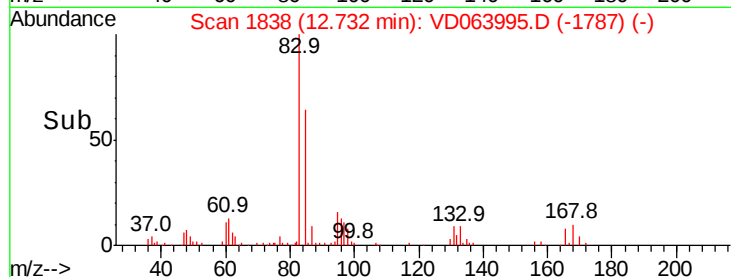
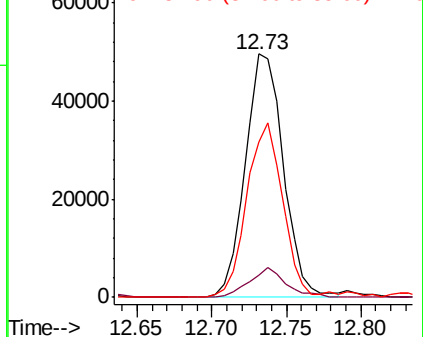
85 67.2 32.3 96.8



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: 100.501 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD063995.D

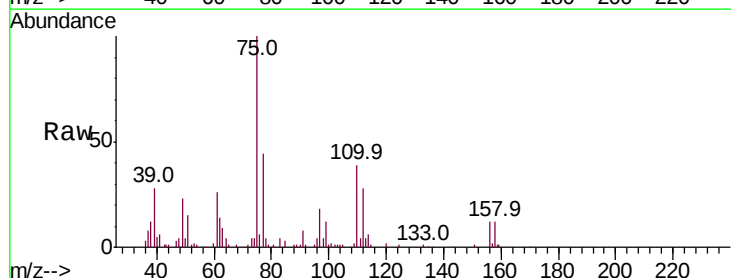
Acq: 17 Oct 2019 10:12

Tgt Ion: 75 Resp: 114873

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

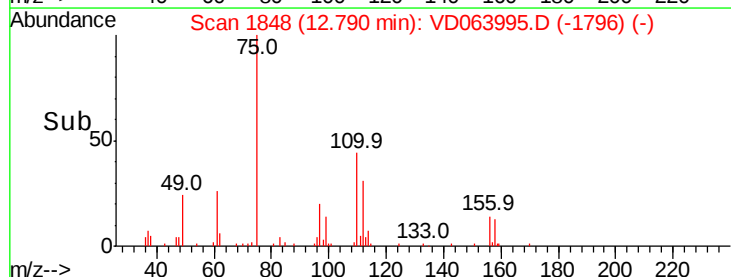
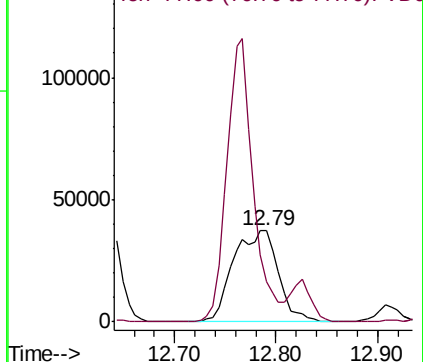
75 100

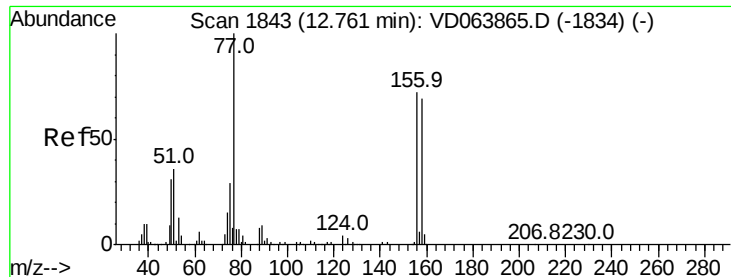
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 47.648 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD063995.D

Acq: 17 Oct 2019 10:12

Instrument :

MSVOA_D

ClientSampleId :

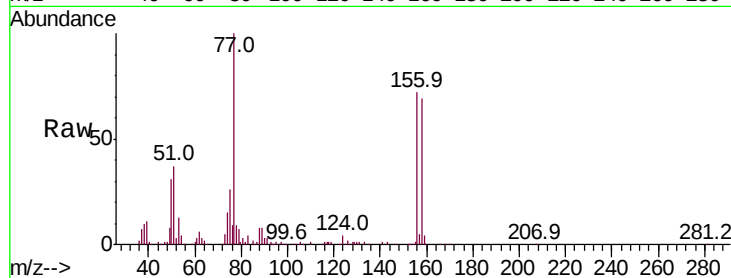
Tot Ion:156 Resp: 136188

Ion Ratio Lower Upper

156 100

77 154.6 80.3 241.0

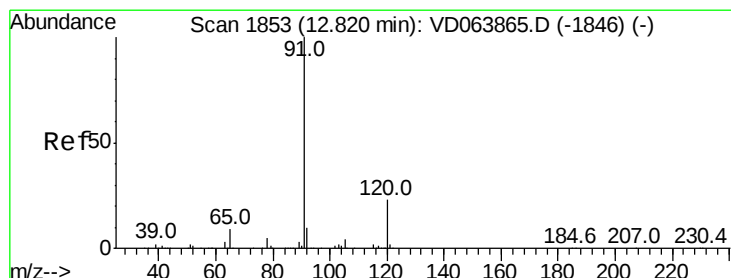
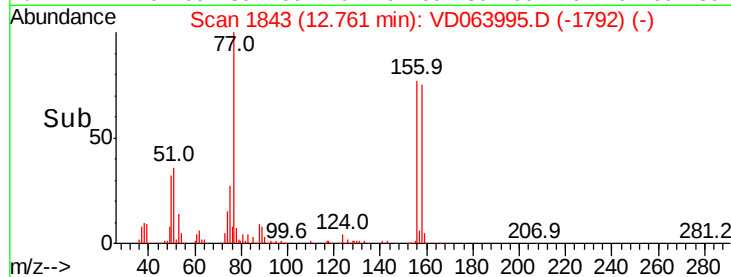
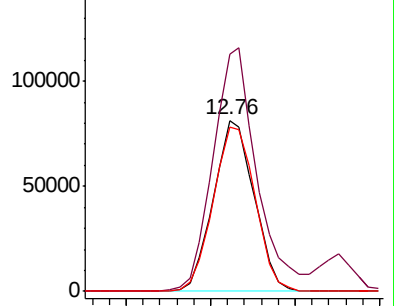
158 99.4 47.4 142.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.682 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD063995.D

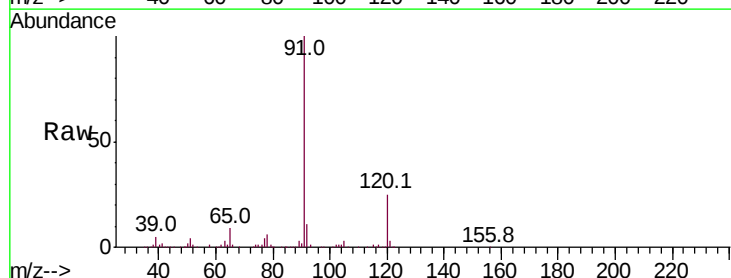
Acq: 17 Oct 2019 10:12

Tgt Ion: 91 Resp: 669016

Ion Ratio Lower Upper

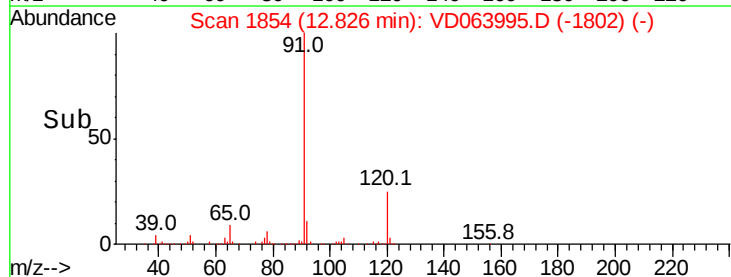
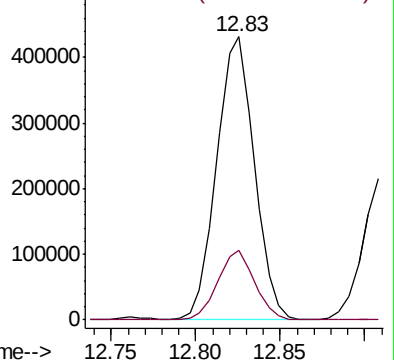
91 100

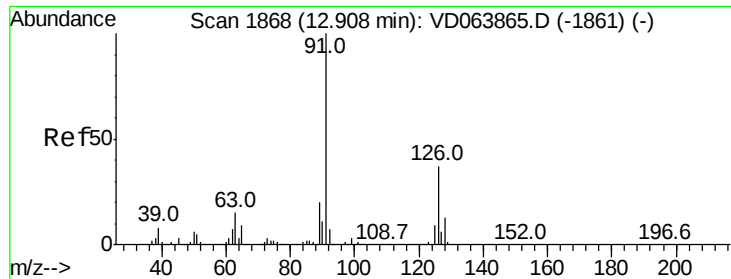
120 24.0 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.978 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD063995.D

Acq: 17 Oct 2019 10:12

Instrument :

MSVOA_D

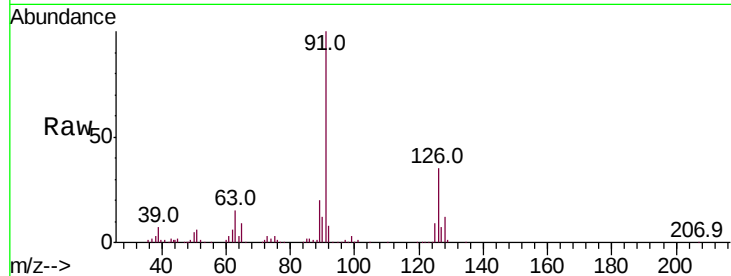
ClientSampleId :

Tot Ion: 91 Resp: 356244

Ion Ratio Lower Upper

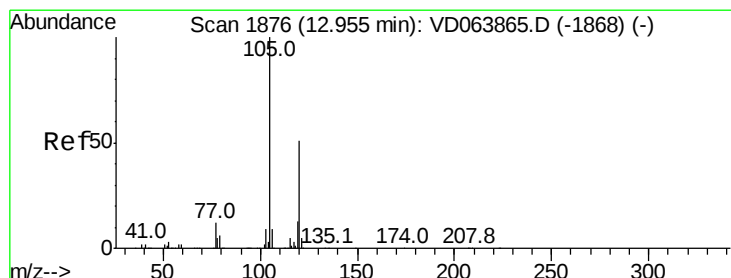
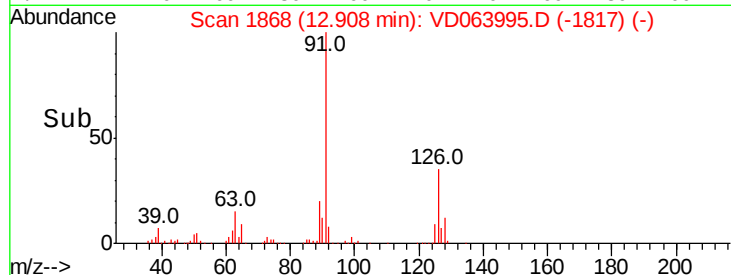
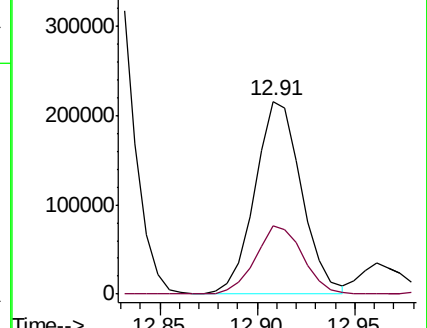
91 100

126 35.8 18.4 55.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 48.544 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VD063995.D

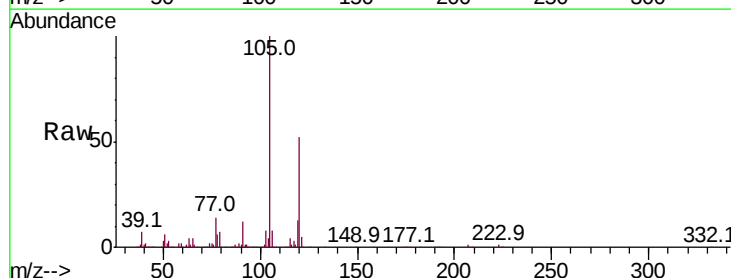
Acq: 17 Oct 2019 10:12

Tgt Ion:105 Resp: 464616

Ion Ratio Lower Upper

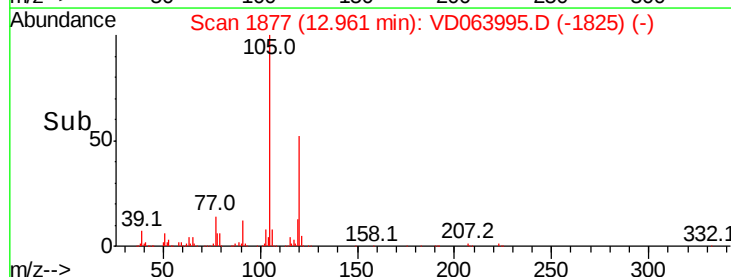
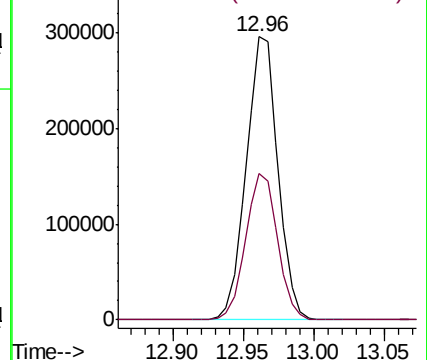
105 100

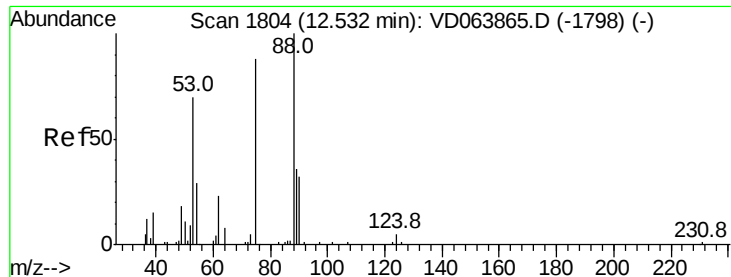
120 52.2 25.9 77.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 43.929 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD063995.D

Acq: 17 Oct 2019 10:12

Instrument :

MSVOA_D

ClientSampleId :

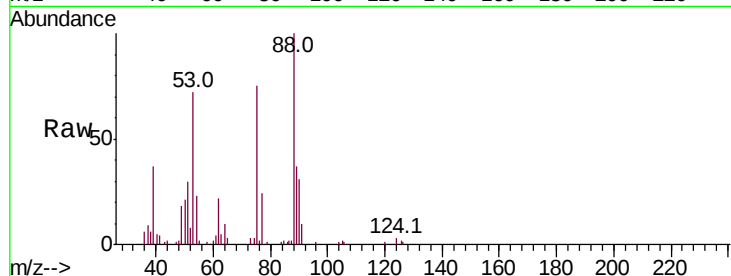
Tot Ion: 75 Resp: 28374

Ion Ratio Lower Upper

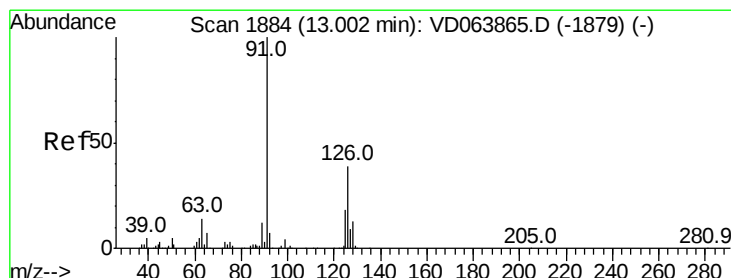
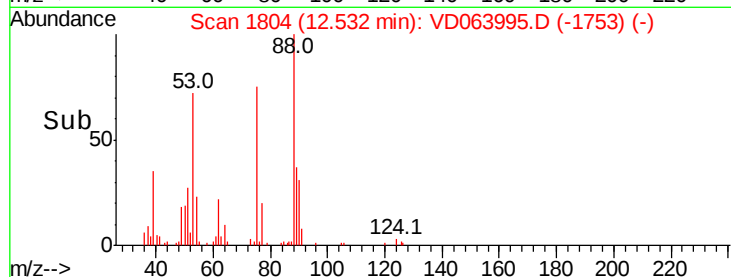
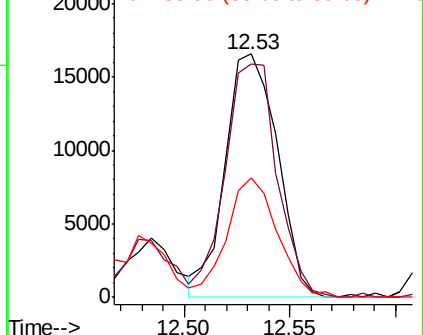
75 100

53 95.9 75.0 112.6

89 47.6 38.2 57.4



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



#82

4-Chlorotoluene

Concen: 46.784 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VD063995.D

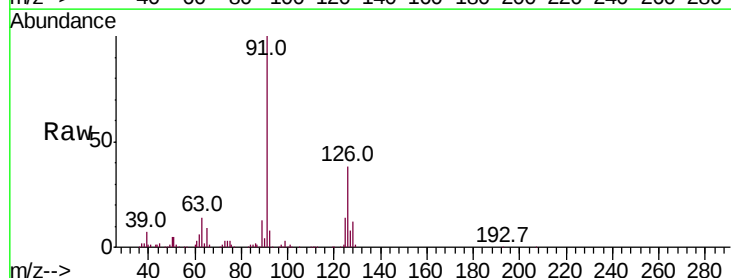
Acq: 17 Oct 2019 10:12

Tgt Ion: 91 Resp: 368502

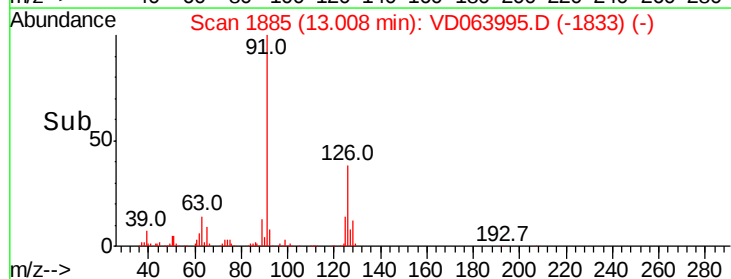
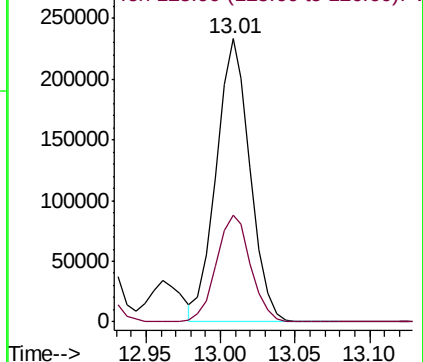
Ion Ratio Lower Upper

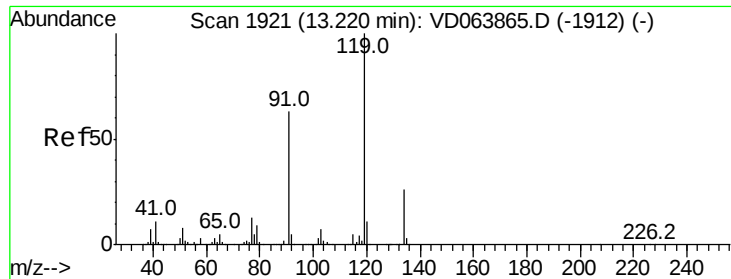
91 100

126 38.5 18.6 55.8



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

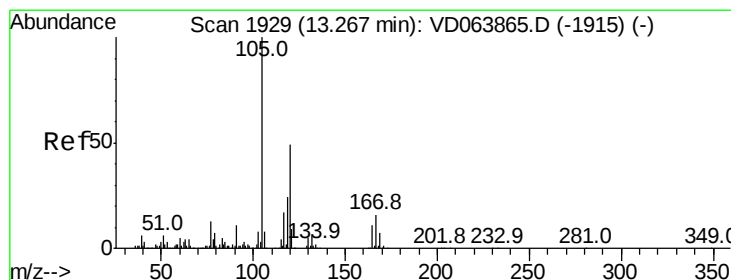
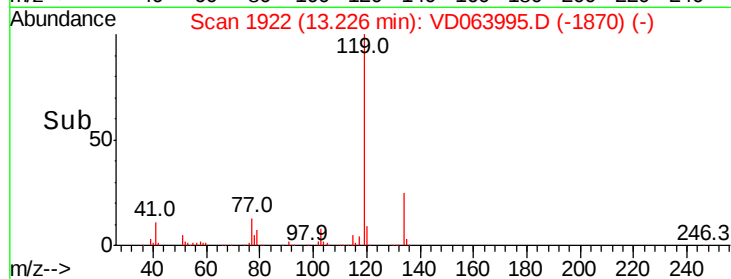
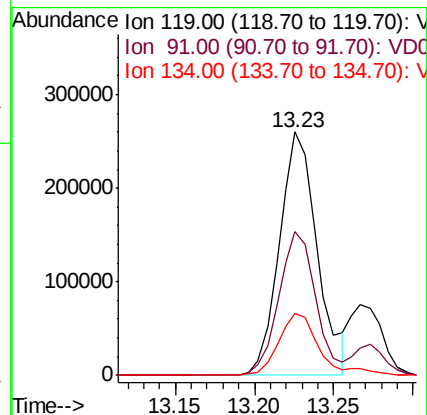
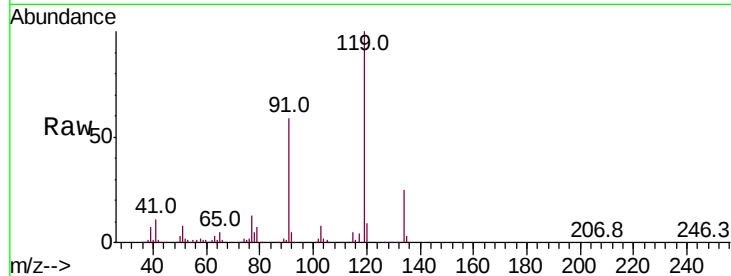




#83
 tert-Butylbenzene
 Concen: 50.619 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.01 min
 Lab File: VD063995.D
 Acq: 17 Oct 2019 10:12

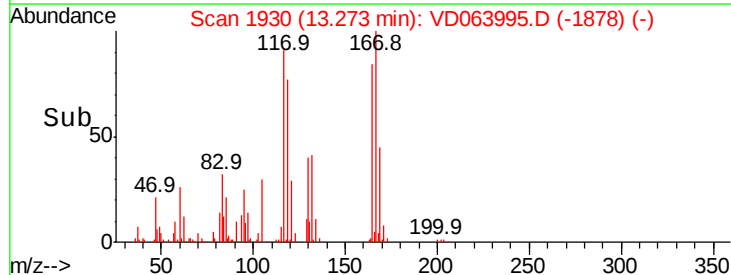
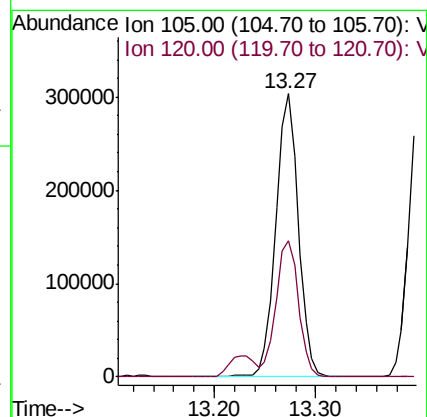
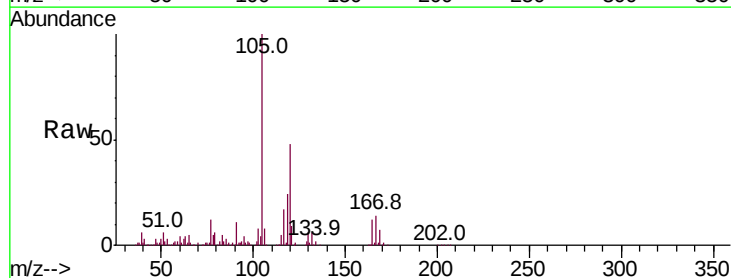
Instrument :
 MSVOA_D
 ClientSampleId :

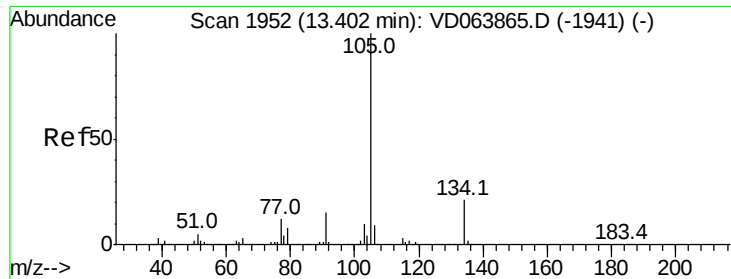
Tot Ion:119 Resp: 431176
 Ion Ratio Lower Upper
 119 100
 91 57.8 30.0 90.0
 134 27.3 13.0 38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 47.668 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.01 min
 Lab File: VD063995.D
 Acq: 17 Oct 2019 10:12

Tgt Ion:105 Resp: 470339
 Ion Ratio Lower Upper
 105 100
 120 48.4 23.8 71.5





#85

sec-Butylbenzene

Concen: 49.768 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD063995.D

Acq: 17 Oct 2019 10:12

Instrument :

MSVOA_D

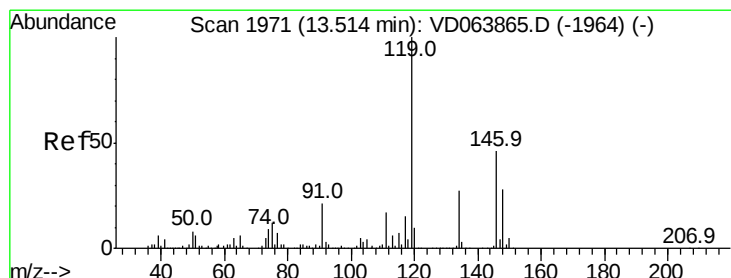
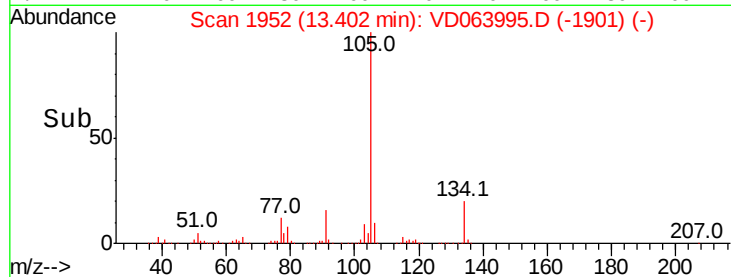
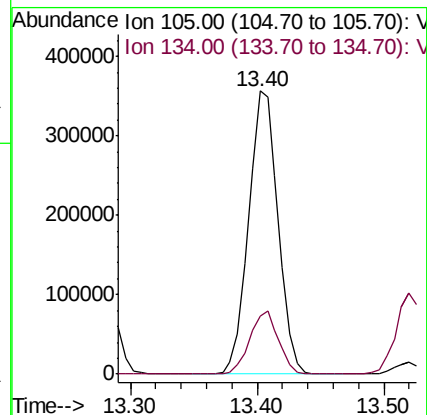
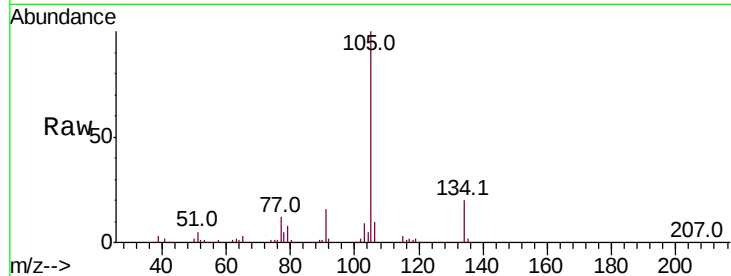
ClientSampleId :

Tot Ion:105 Resp: 572492

Ion Ratio Lower Upper

105 100

134 21.8 10.6 31.8



#86

p-Isopropyltoluene

Concen: 50.925 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD063995.D

Acq: 17 Oct 2019 10:12

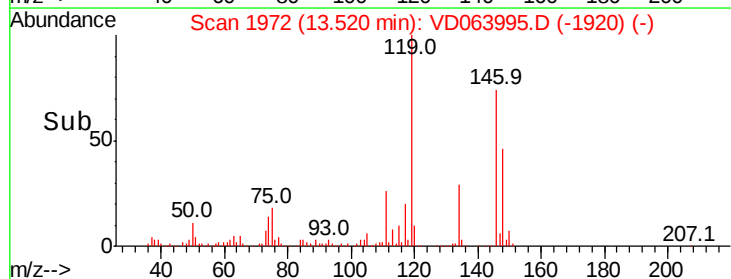
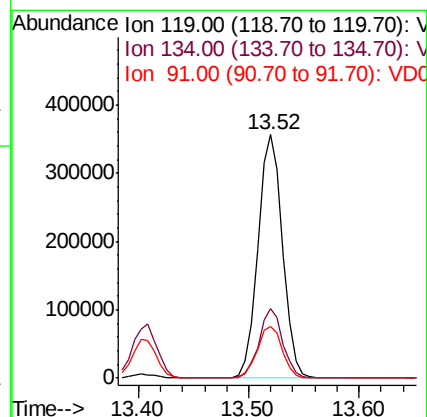
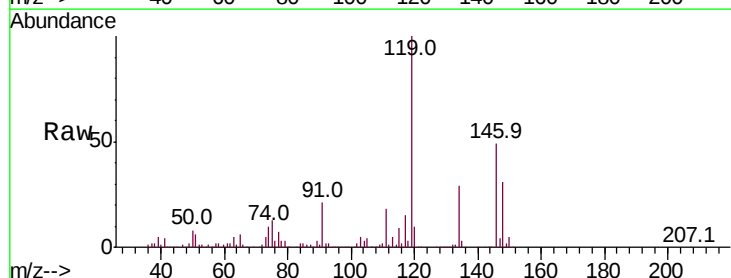
Tgt Ion:119 Resp: 554327

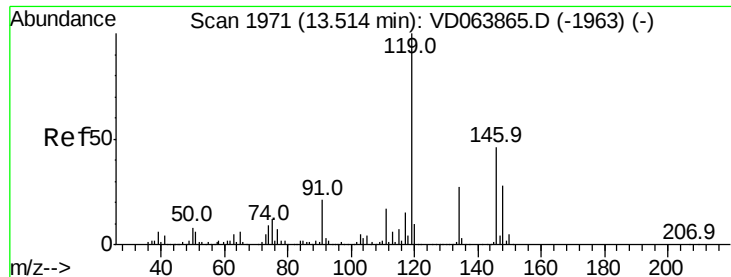
Ion Ratio Lower Upper

119 100

134 27.6 13.9 41.6

91 21.8 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 48.871 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD063995.D

Acq: 17 Oct 2019 10:12

Instrument :

MSVOA_D

ClientSampled :

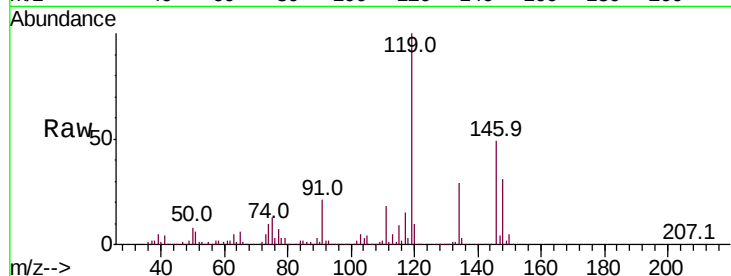
Tot Ion:146 Resp: 276000

Ion Ratio Lower Upper

146 100

111 36.6 18.3 54.9

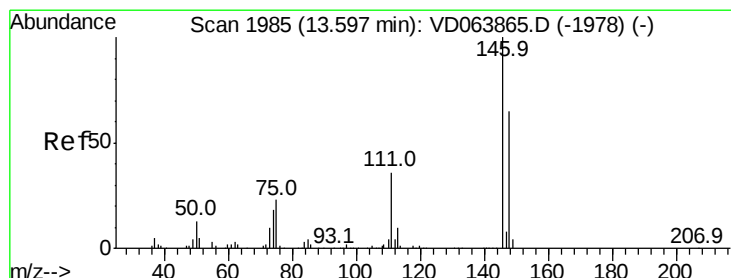
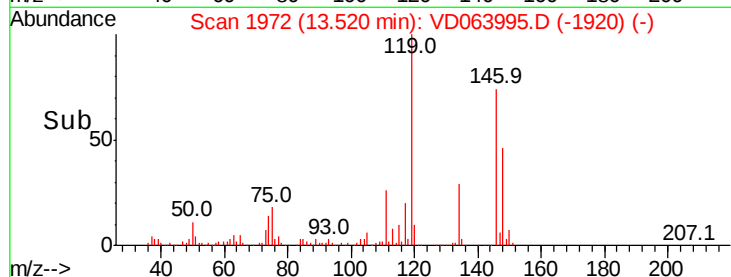
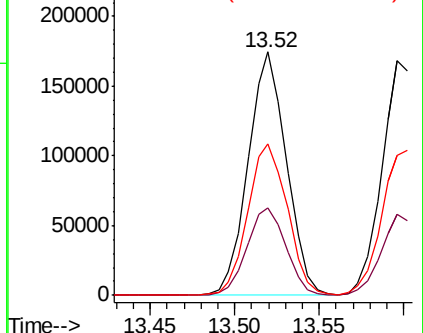
148 64.0 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 49.031 ug/l

RT: 13.60 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VD063995.D

Acq: 17 Oct 2019 10:12

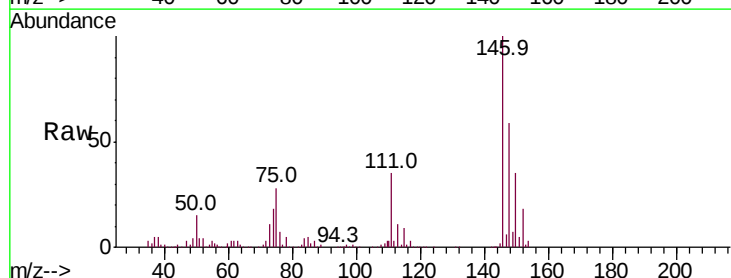
Tgt Ion:146 Resp: 273180

Ion Ratio Lower Upper

146 100

111 35.3 18.6 56.0

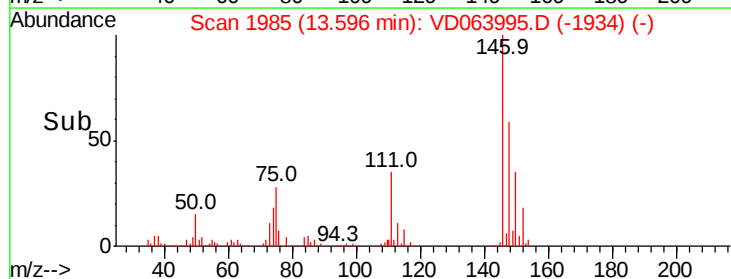
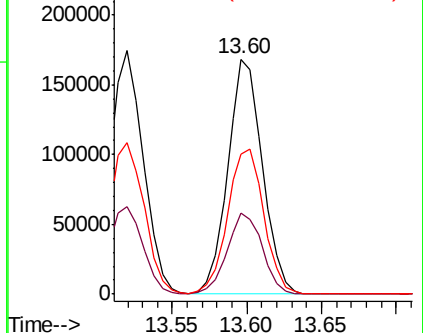
148 64.5 32.6 98.0

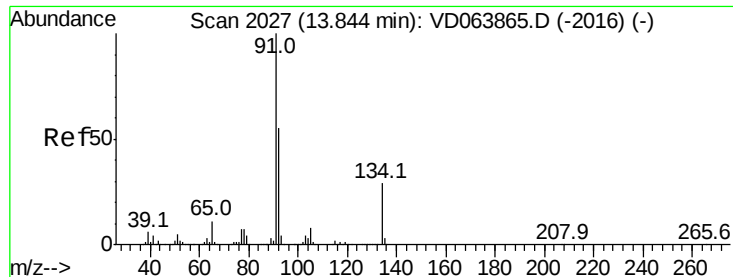


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

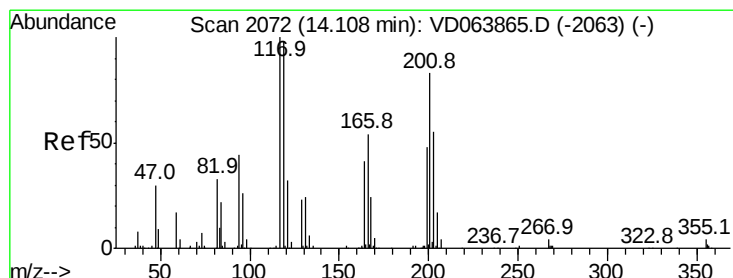
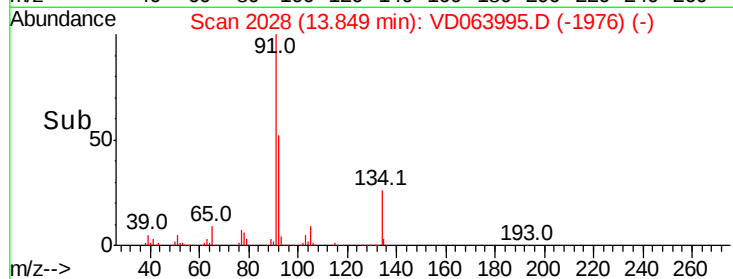
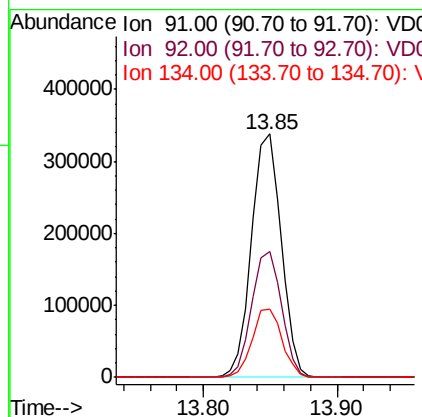
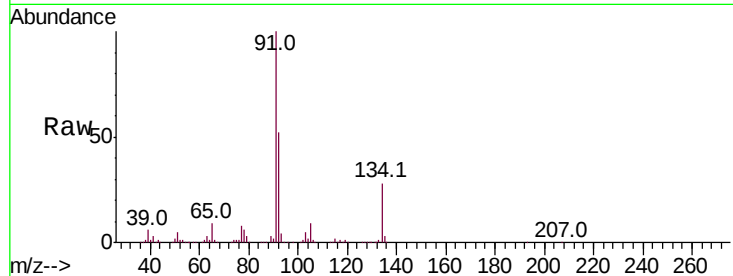




#89
n-Butylbenzene
Concen: 51.208 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD063995.D
Acq: 17 Oct 2019 10:12

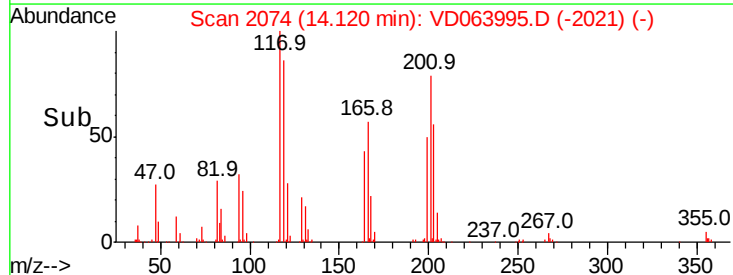
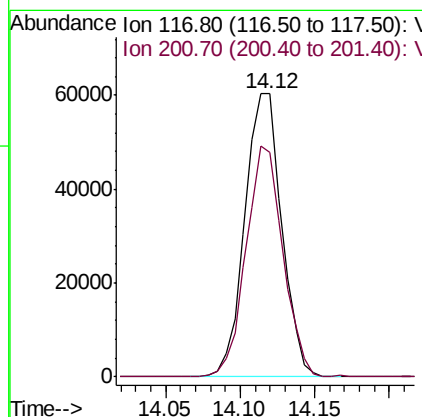
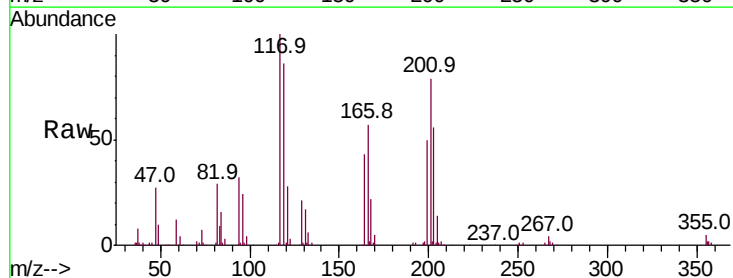
Instrument :
MSVOA_D
ClientSampled :

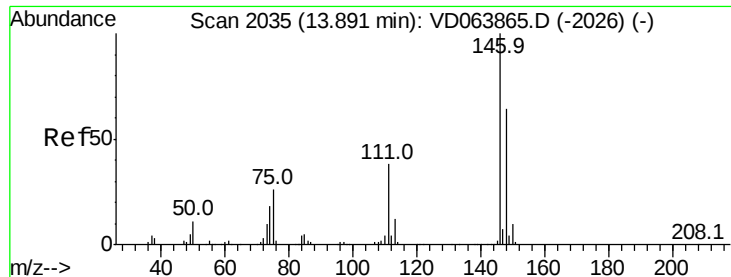
Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.8	80.3
134	28.1	14.4	43.0



#90
Hexachloroethane
Concen: 52.692 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD063995.D
Acq: 17 Oct 2019 10:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.4	40.6	121.7





#91

1,2-Dichlorobenzene

Concen: 49.503 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VD063995.D

Acq: 17 Oct 2019 10:12

Instrument :

MSVOA_D

ClientSampleId :

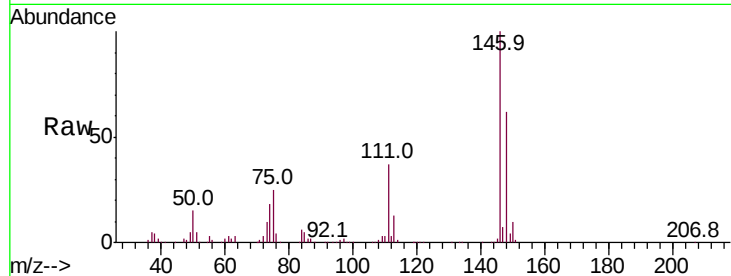
Tot Ion:146 Resp: 240929

Ion Ratio Lower Upper

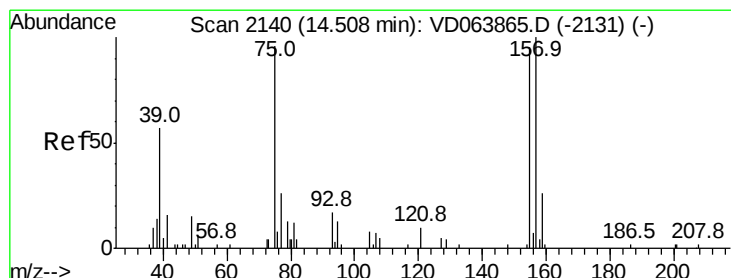
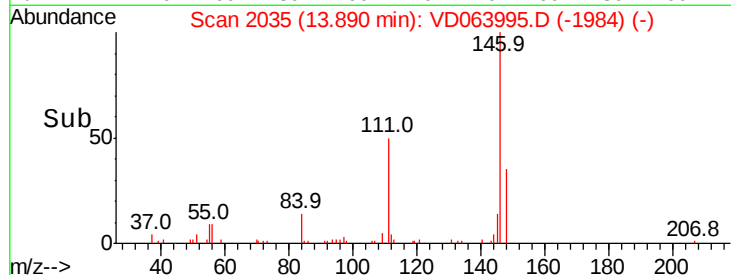
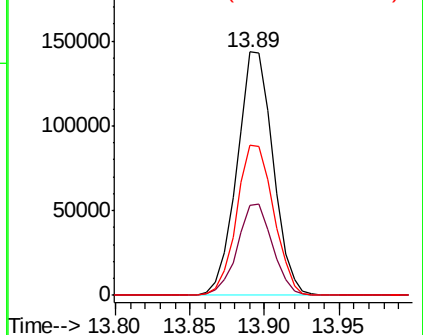
146 100

111 36.5 18.6 55.6

148 63.4 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.753 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. 0.00 min

Lab File: VD063995.D

Acq: 17 Oct 2019 10:12

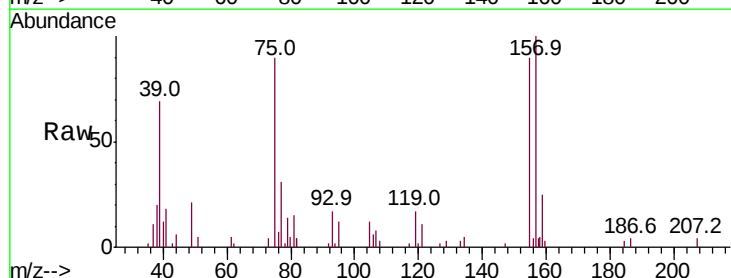
Tgt Ion: 75 Resp: 14256

Ion Ratio Lower Upper

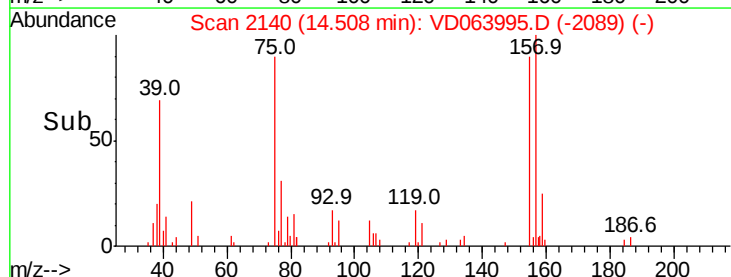
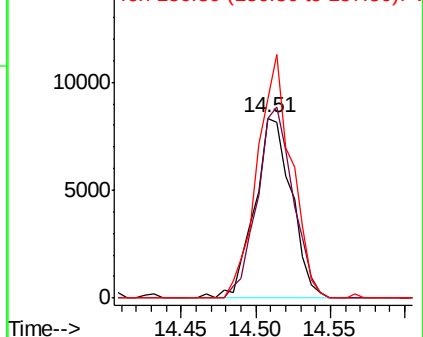
75 100

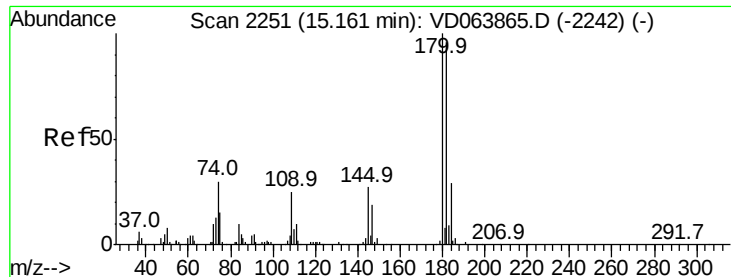
155 102.6 43.9 131.6

157 126.2 56.0 167.9



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

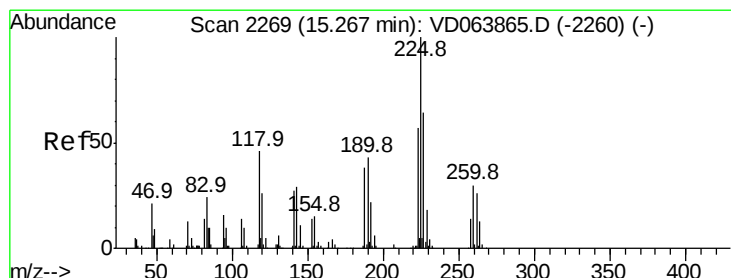
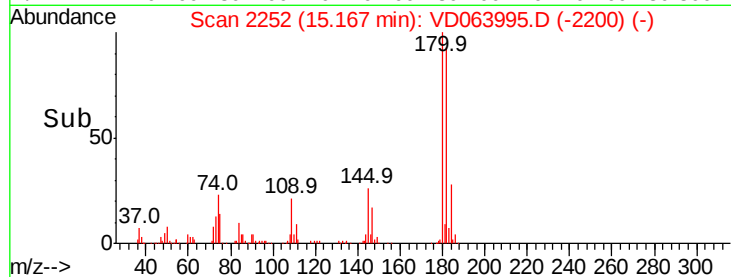
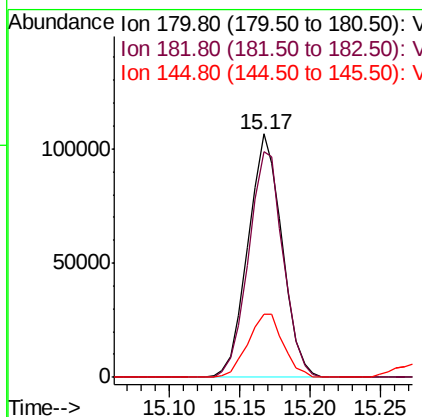
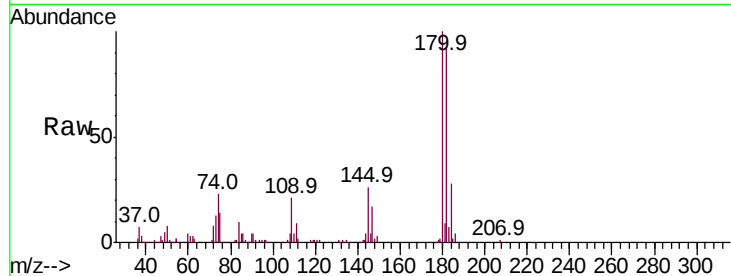




#93
 1,2,4-Trichlorobenzene
 Concen: 47.943 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD063995.D
 Acq: 17 Oct 2019 10:12

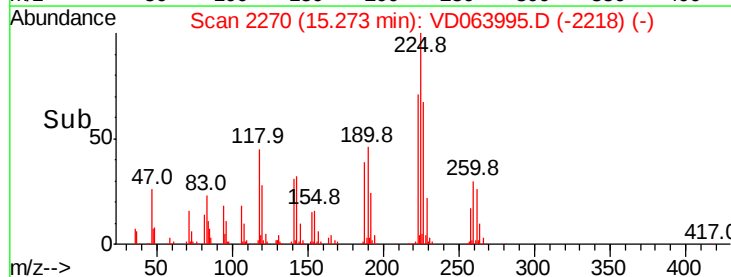
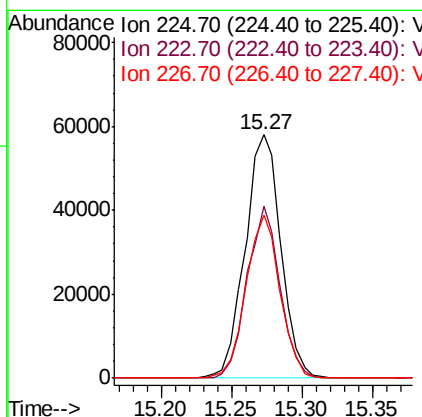
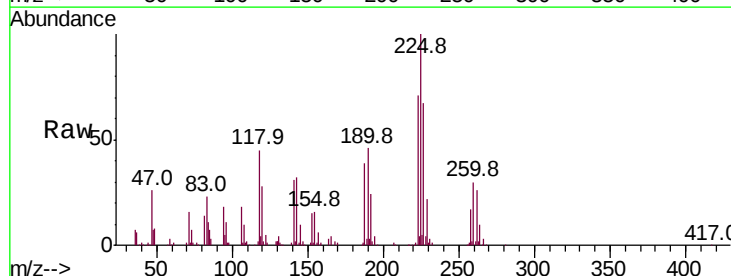
Instrument :
 MSVOA_D
 ClientSampled :

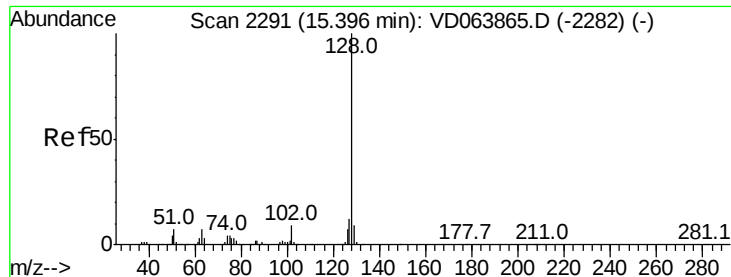
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.4	142.3
145	27.3	13.9	41.7



#94
 Hexachlorobutadiene
 Concen: 49.798 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: VD063995.D
 Acq: 17 Oct 2019 10:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.8	29.5	88.6
227	63.6	30.8	92.4

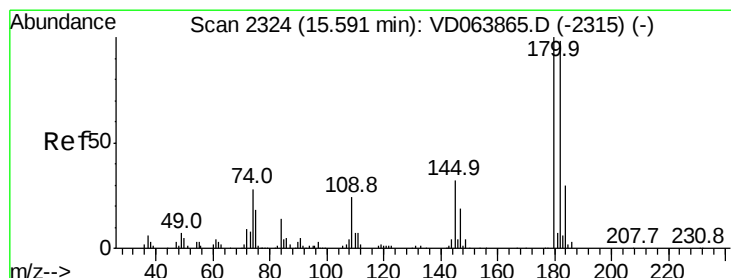
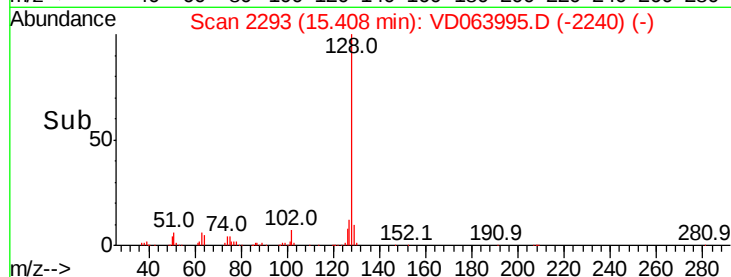
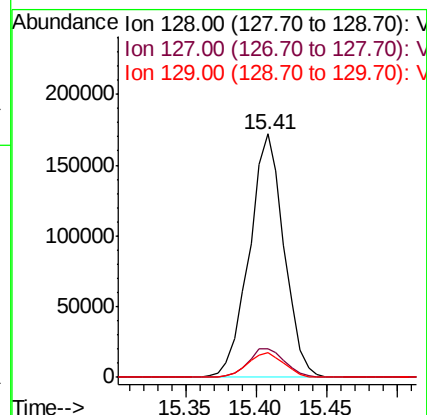
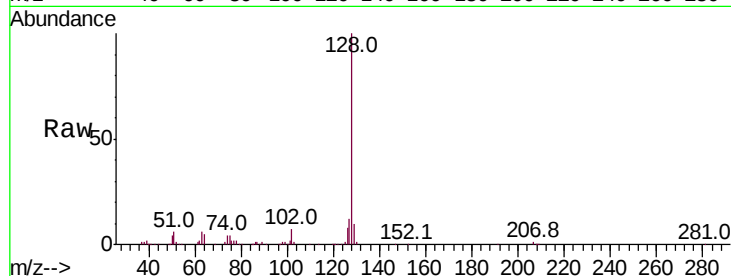




#95
Naphthalene
Concen: 46.988 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VD063995.D
Acq: 17 Oct 2019 10:12

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 296584
Ion Ratio Lower Upper
128 100
127 12.7 10.6 16.0
129 10.5 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 47.029 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.01 min
Lab File: VD063995.D
Acq: 17 Oct 2019 10:12

Tgt Ion:180 Resp: 152380
Ion Ratio Lower Upper
180 100
182 94.3 47.0 141.0
145 30.7 15.3 45.9

