

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 :
 VSTDCCC050

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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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	61261m	53.597	ug/l	
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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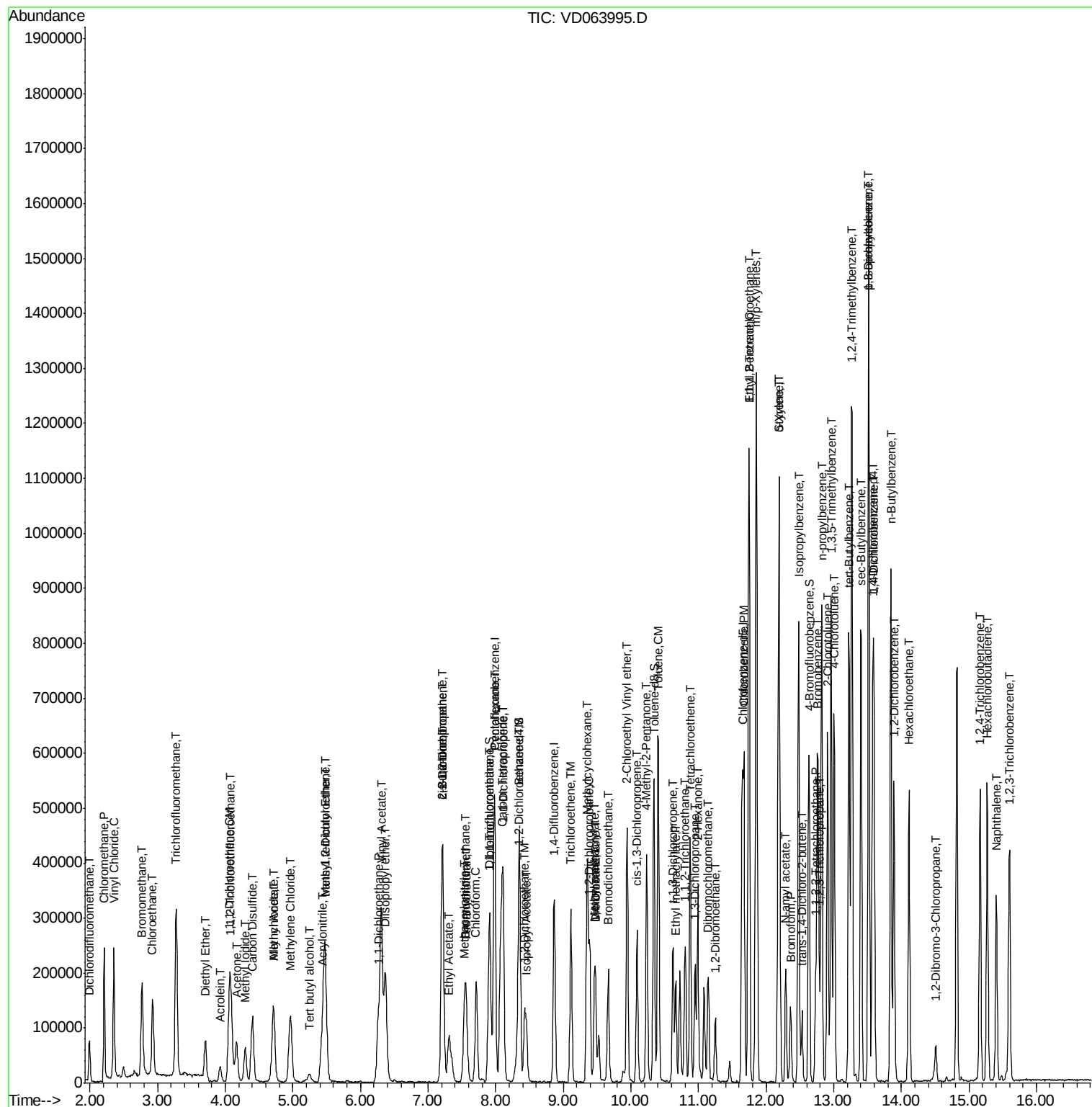
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	180045	47.943	ug/l	99
94) Hexachlorobutadiene	15.27	225	103199	49.798	ug/l	95
95) Naphthalene	15.41	128	296584	46.988	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	152380	47.029	ug/l	100

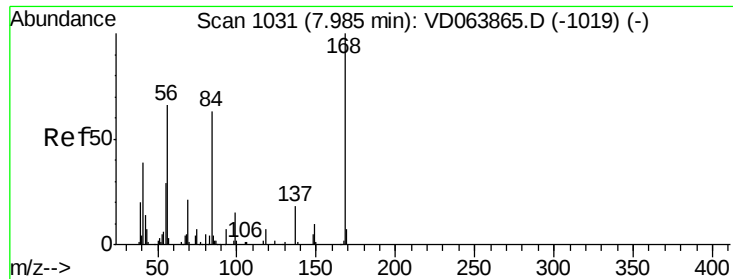
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#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 :

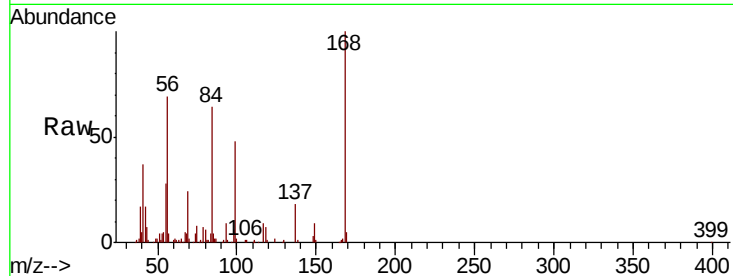
VSTDCCC050

Tot Ion:168 Resp: 194879

Ion Ratio Lower Upper

168 100

99 47.3 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

100000

80000

60000

40000

20000

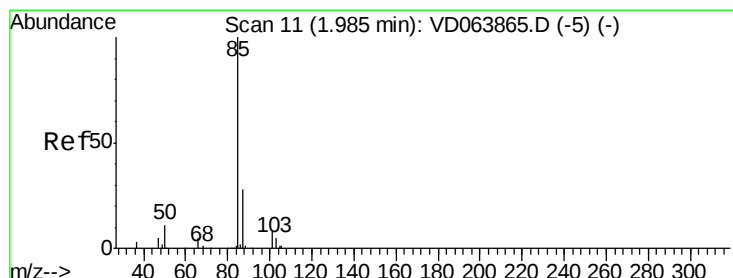
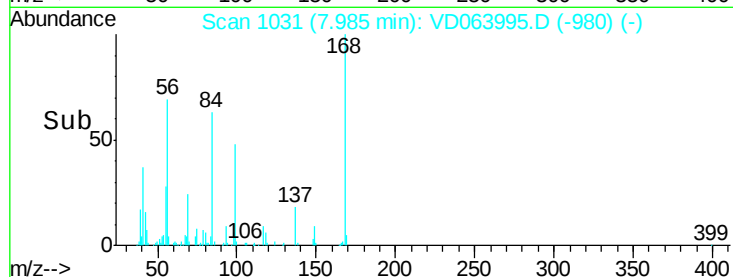
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 42.044 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD063995.D

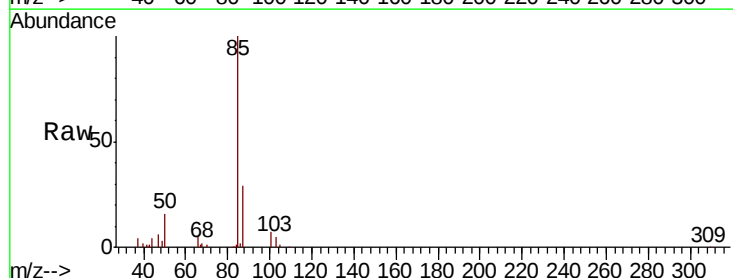
Acq: 17 Oct 2019 10:12

Tgt Ion: 85 Resp: 58106

Ion Ratio Lower Upper

85 100

87 28.9 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

30000

20000

10000

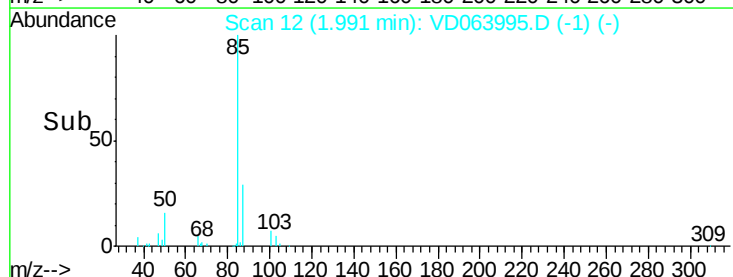
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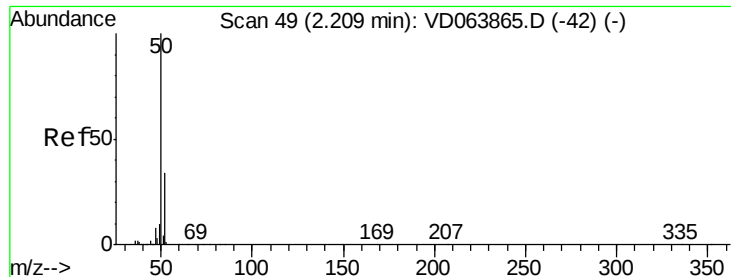
1.95

2.00

2.05

Time-->





#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 :

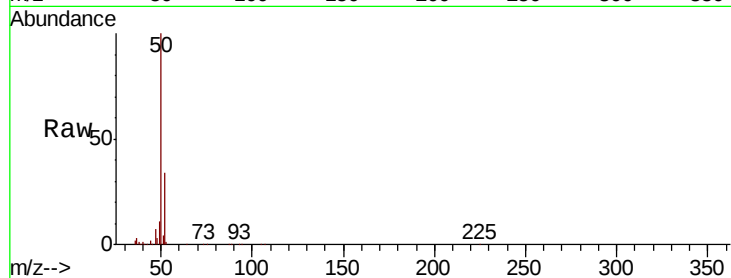
VSTDCCC050

Tot Ion: 50 Resp: 182761

Ion Ratio Lower Upper

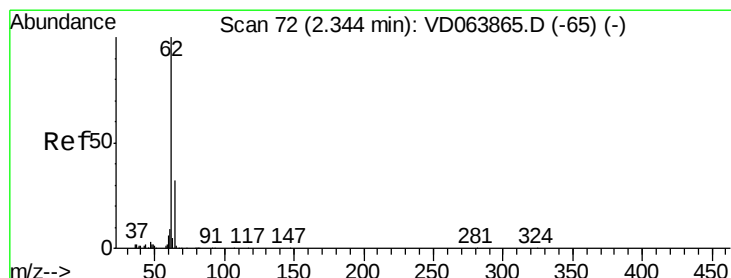
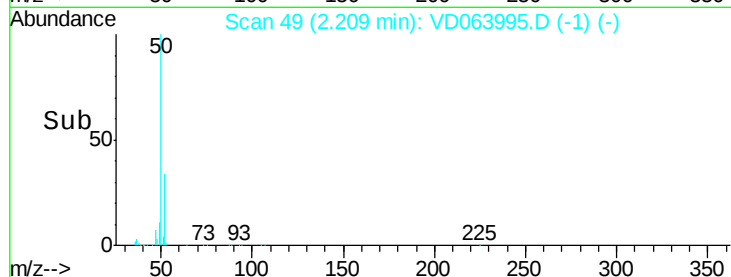
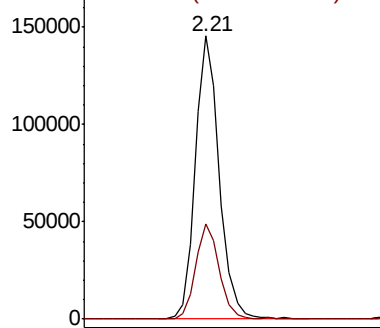
50 100

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

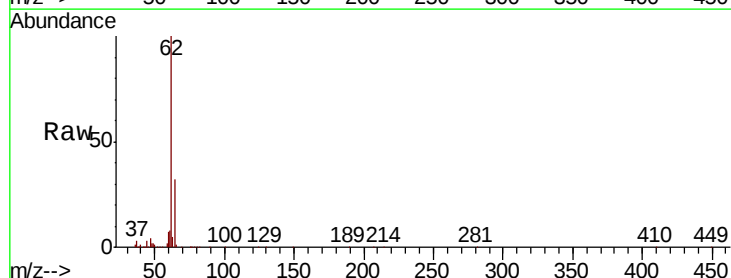
Acq: 17 Oct 2019 10:12

Tgt Ion: 62 Resp: 217973

Ion Ratio Lower Upper

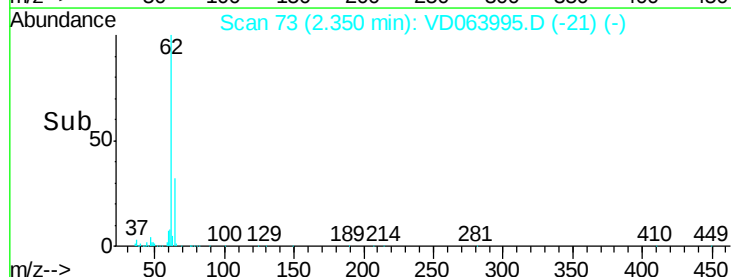
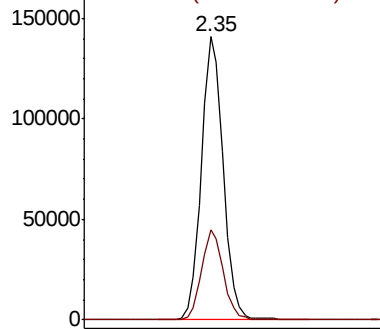
62 100

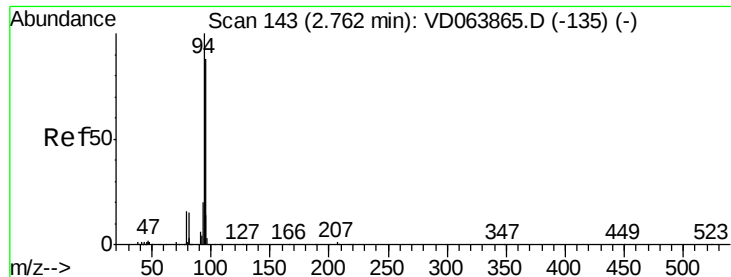
64 31.8 25.4 38.0



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 :

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ClientSampleId :

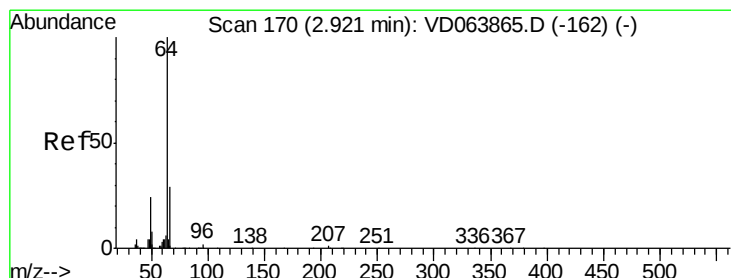
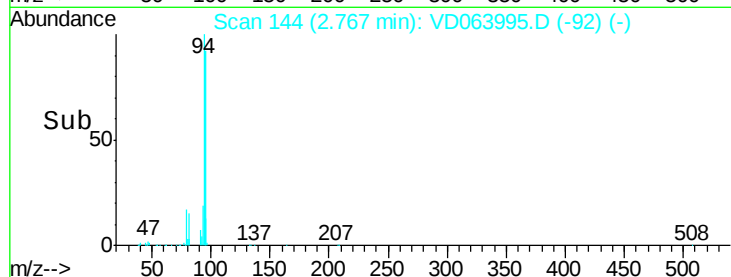
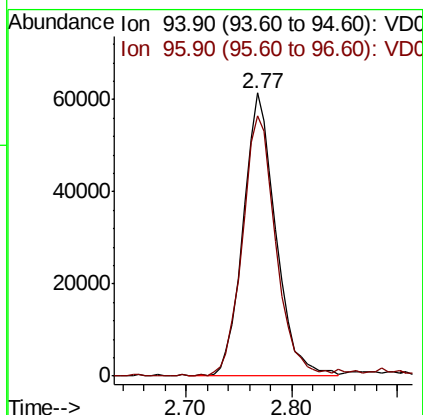
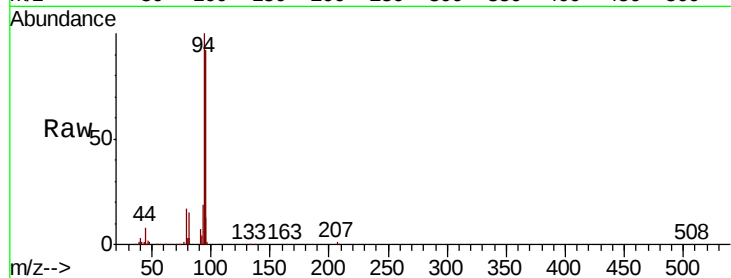
VSTDCCC050

Tot Ion: 94 Resp: 131586

Ion Ratio Lower Upper

94 100

96 91.9 70.8 106.2



#6

Chloroethane

Concen: 46.554 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD063995.D

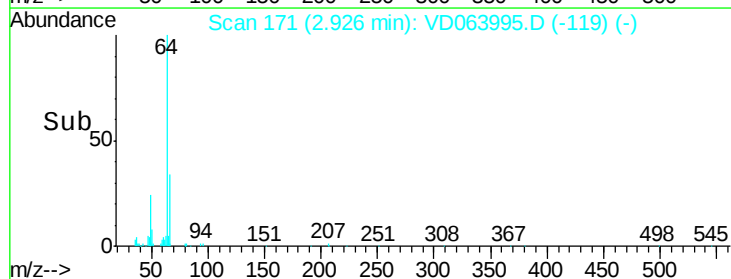
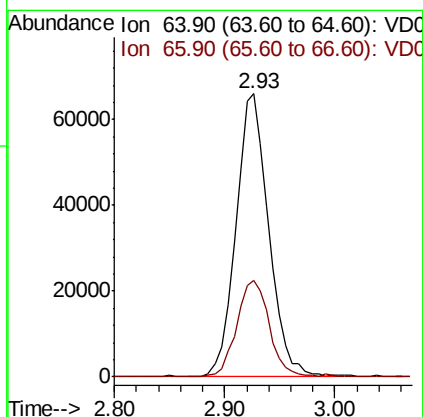
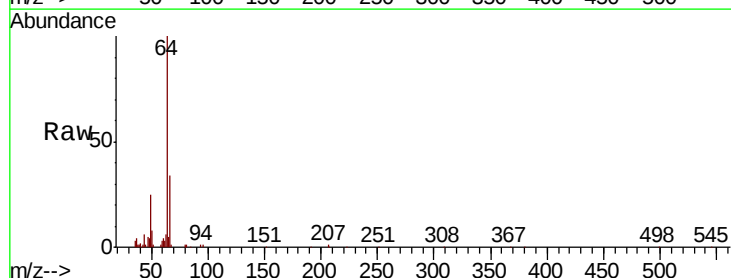
Acq: 17 Oct 2019 10:12

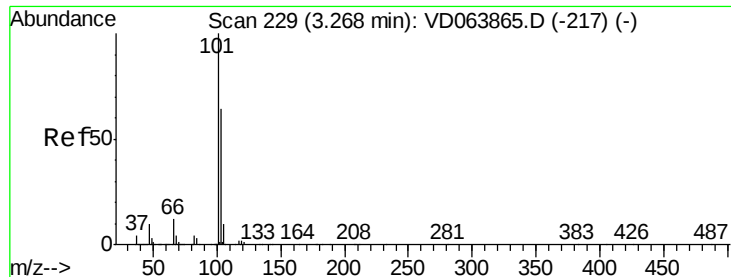
Tgt Ion: 64 Resp: 137522

Ion Ratio Lower Upper

64 100

66 33.9 23.0 34.4



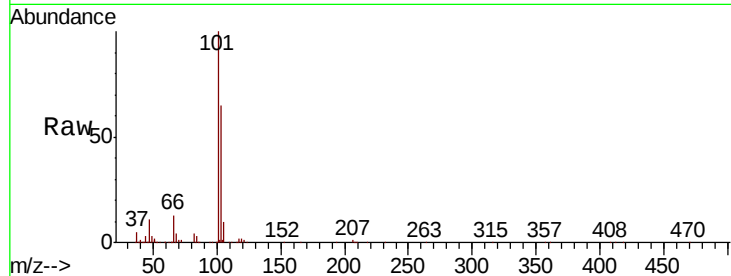


#7

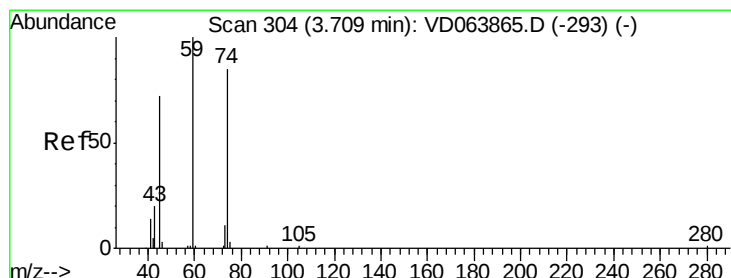
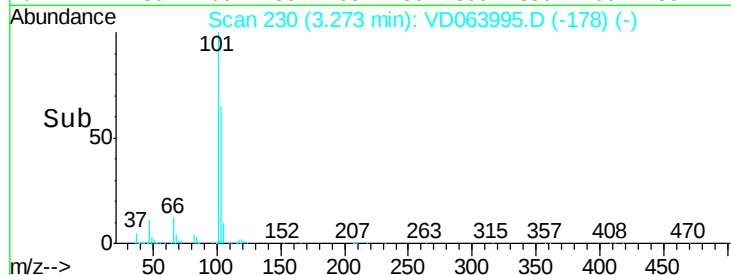
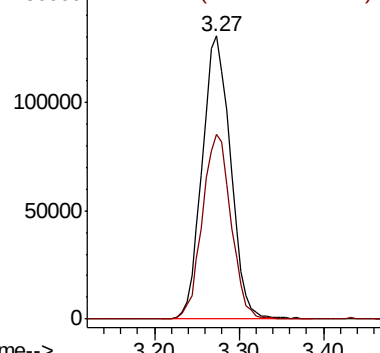
Trichlorofluoromethane
Concen: 51.205 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD063995.D
Acq: 17 Oct 2019 10:12

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



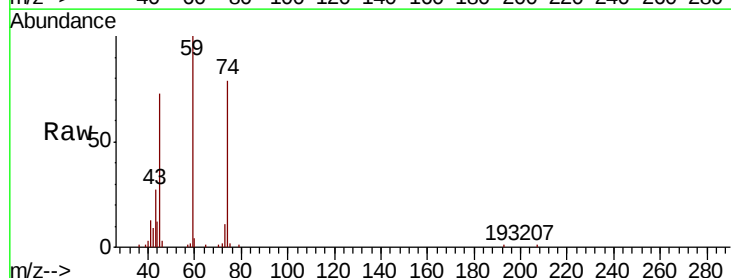
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



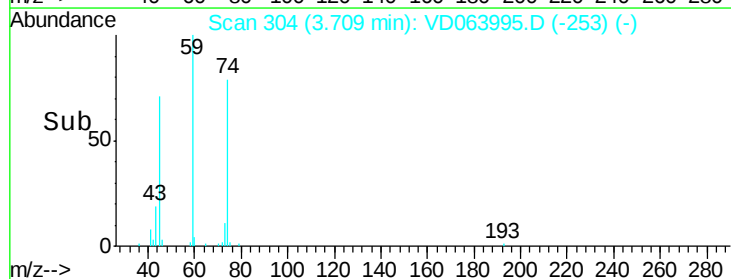
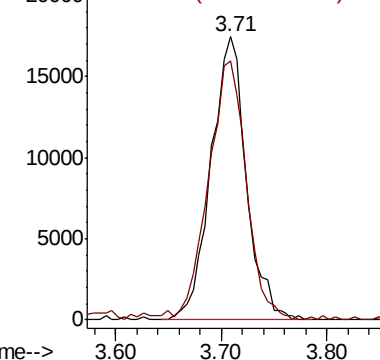
#8

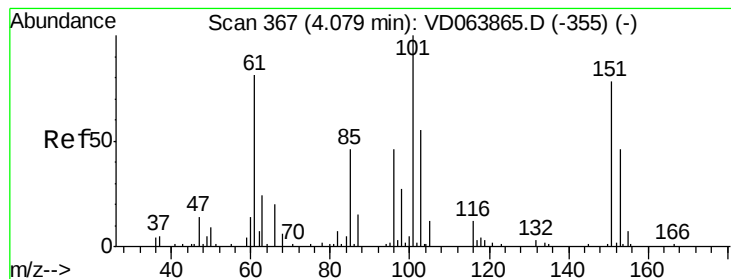
Diethyl Ether
Concen: 42.877 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD063995.D
Acq: 17 Oct 2019 10:12

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



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.00 (44.70 to 45.70): VDC





#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

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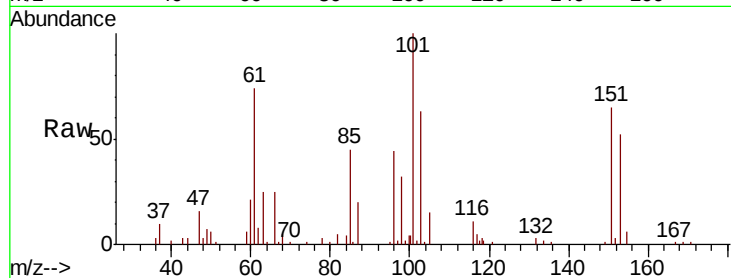
Tot Ion:101 Resp: 75341

Ion Ratio Lower Upper

101 100

85 45.2 37.5 56.3

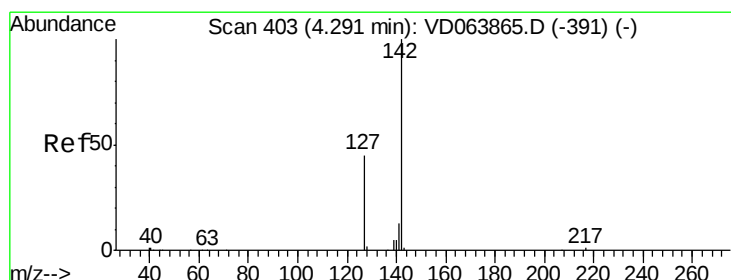
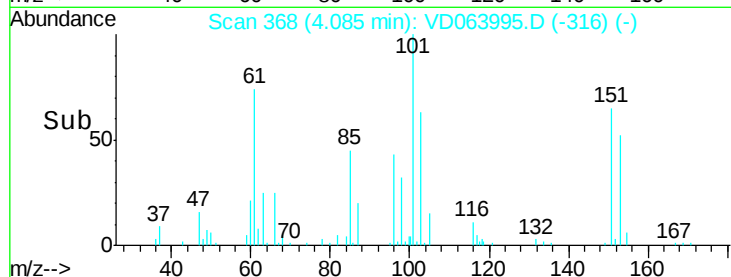
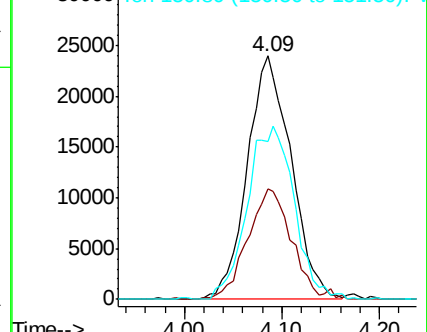
151 75.9 65.5 98.3



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

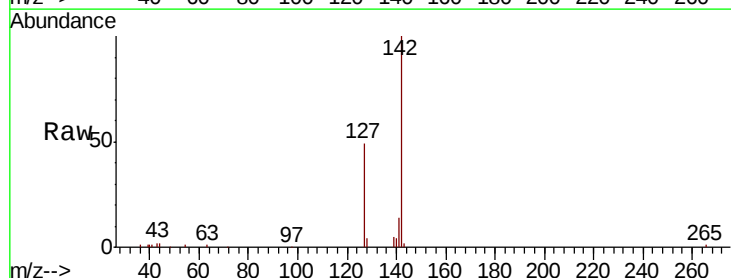
Tgt Ion:142 Resp: 95706

Ion Ratio Lower Upper

142 100

127 44.7 35.3 52.9

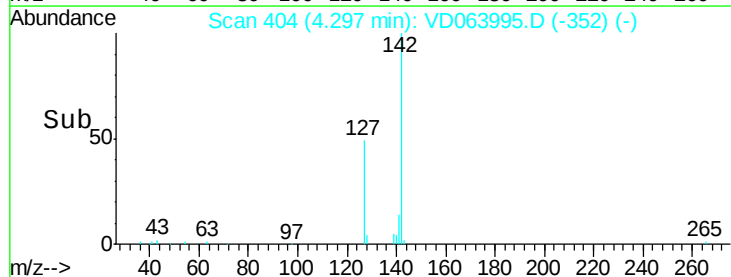
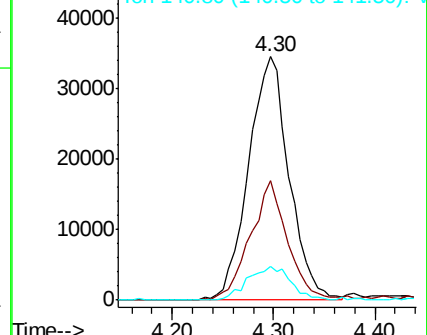
141 14.5 12.2 18.2

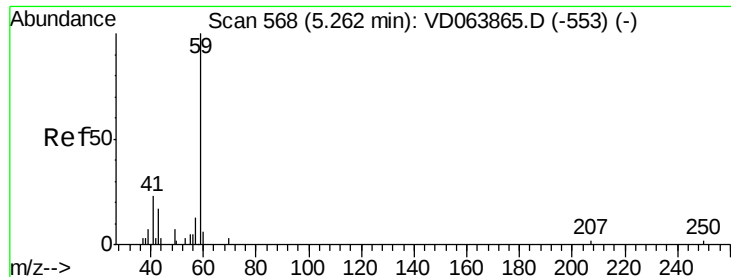


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



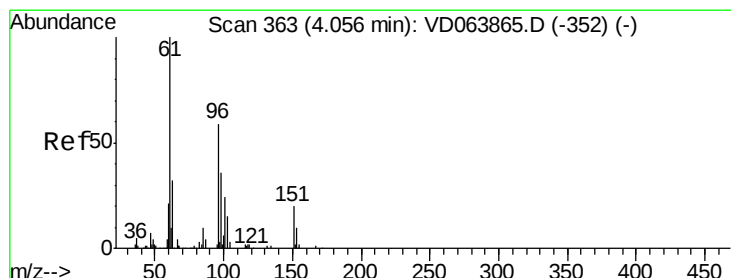
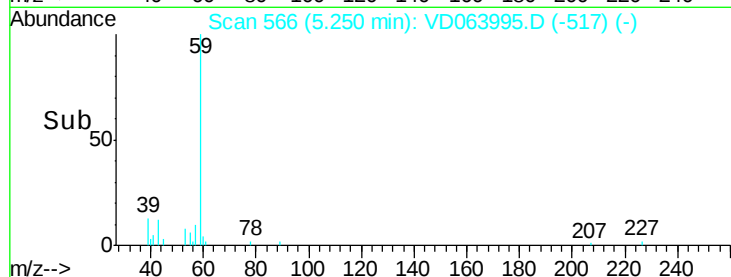
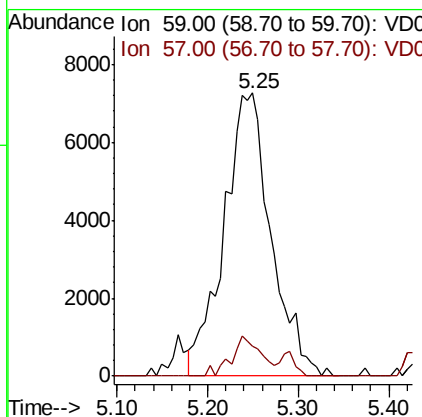
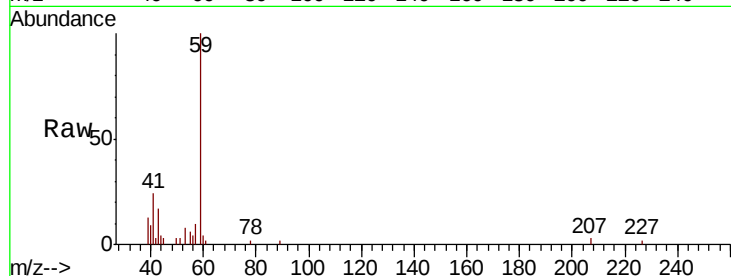


#11

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 :
 VSTDCCC050

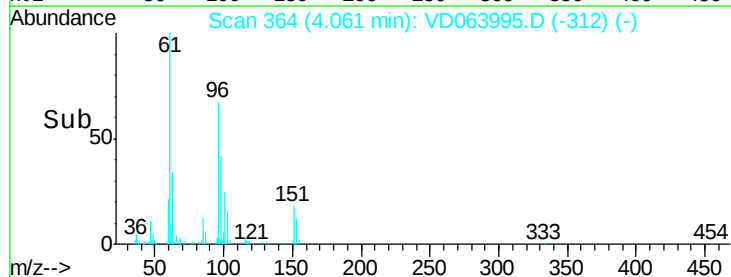
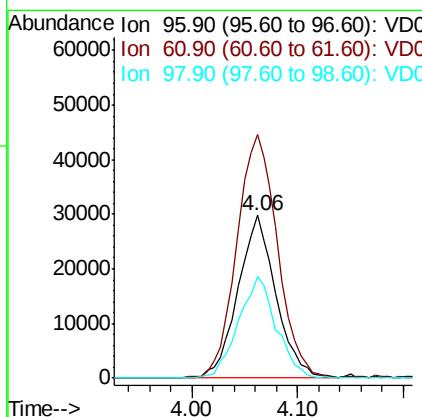
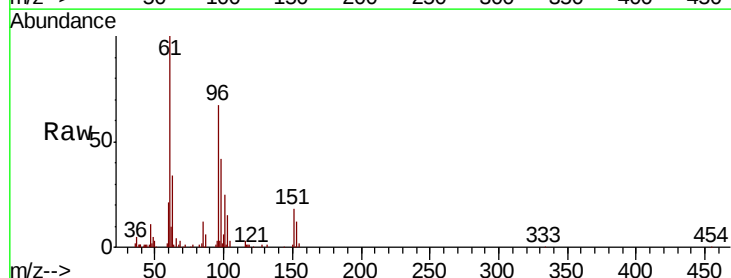
Tot Ion: 59 Resp: 26202
 Ion Ratio Lower Upper
 59 100
 57 8.9 8.8 13.2

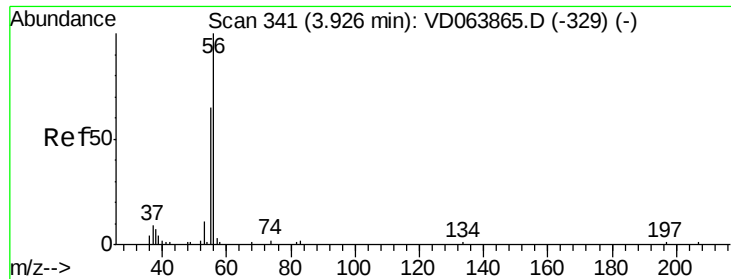


#12

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

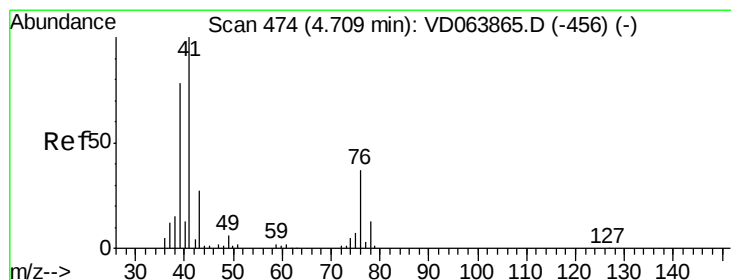
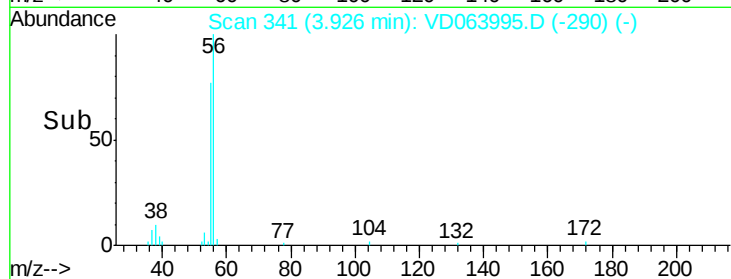
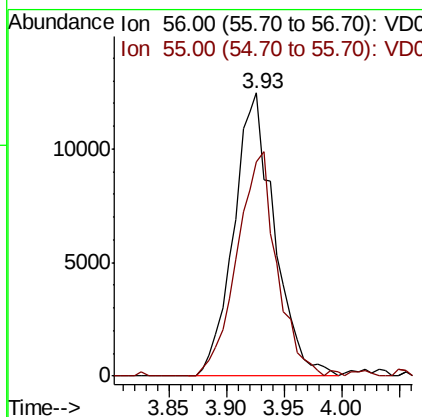
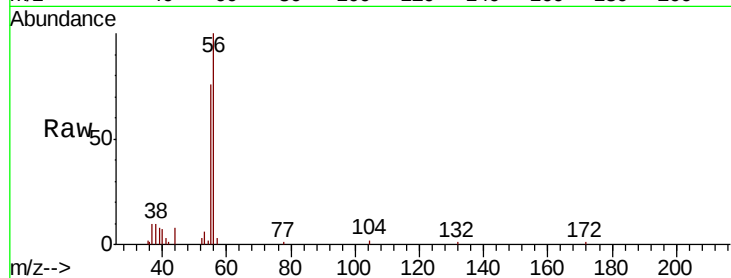




#13
Acrolein
Concen: 179.729 ug/l
RT: 3.93 min Scan# 341
Delta R.T. -0.00 min
Lab File: VD063995.D
Acq: 17 Oct 2019 10:12

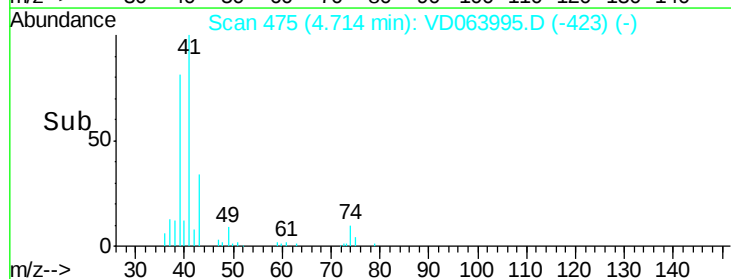
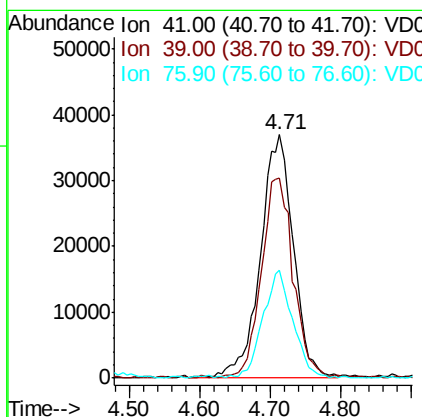
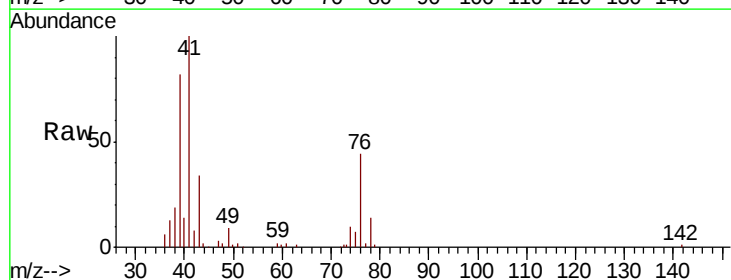
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

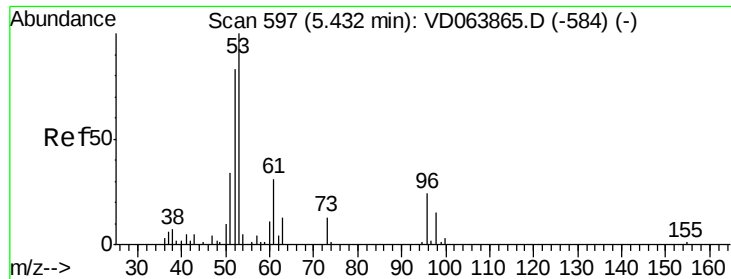
Tot Ion: 56 Resp: 30456
Ion Ratio Lower Upper
56 100
55 77.5 53.0 79.6



#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 :

VSTDCCC050

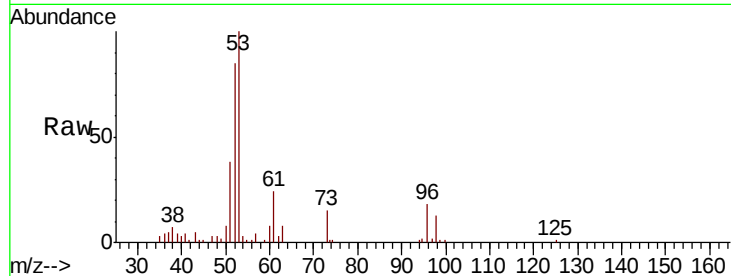
Tot Ion: 53 Resp: 93644

Ion Ratio Lower Upper

53 100

52 85.0 67.3 100.9

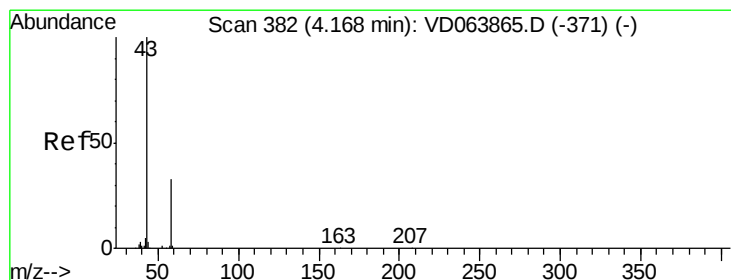
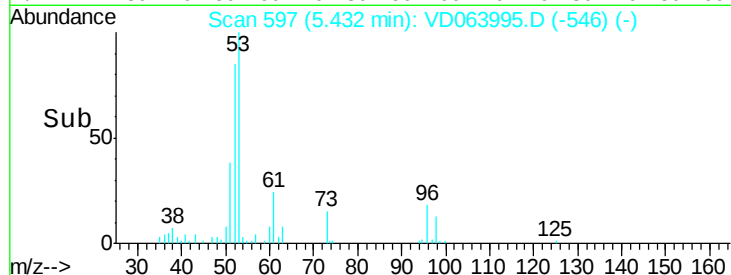
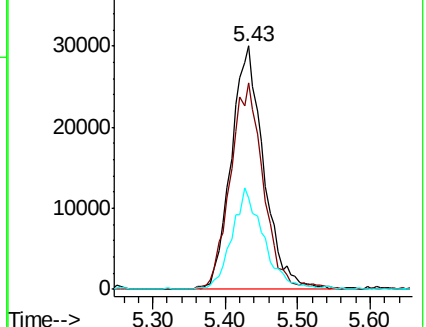
51 40.4 30.5 45.7



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 255.233 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD063995.D

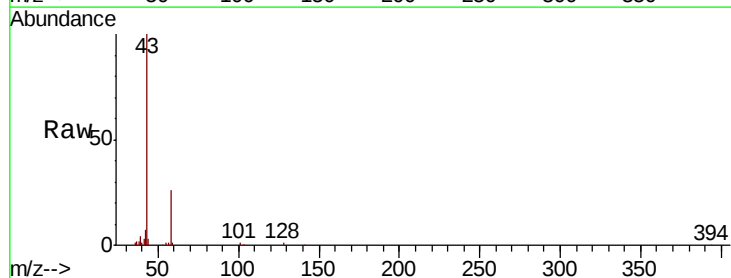
Acq: 17 Oct 2019 10:12

Tgt Ion: 43 Resp: 126077

Ion Ratio Lower Upper

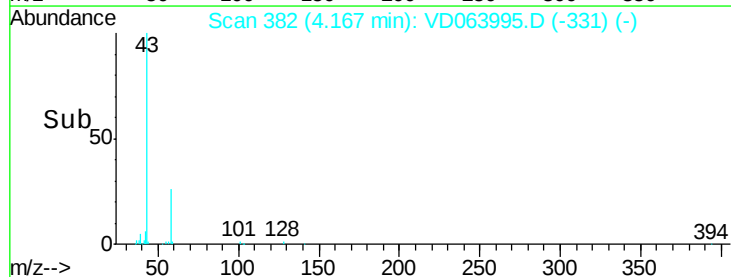
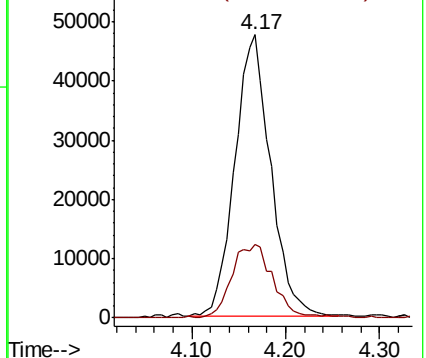
43 100

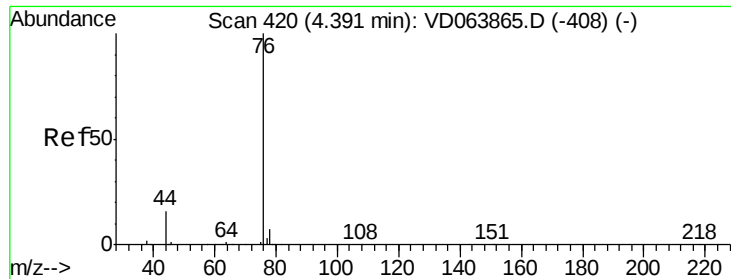
58 25.5 26.2 39.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

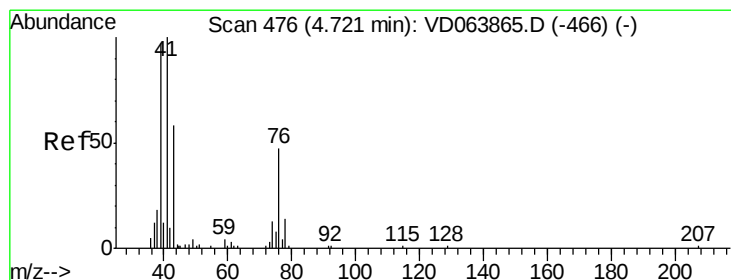
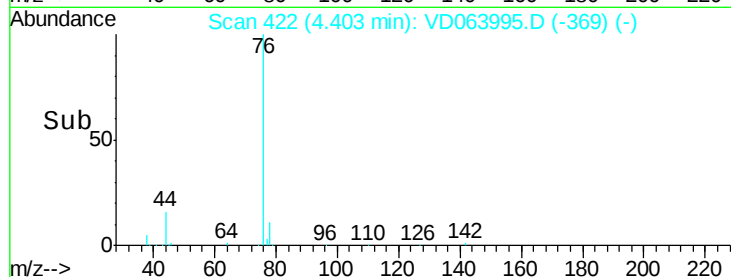
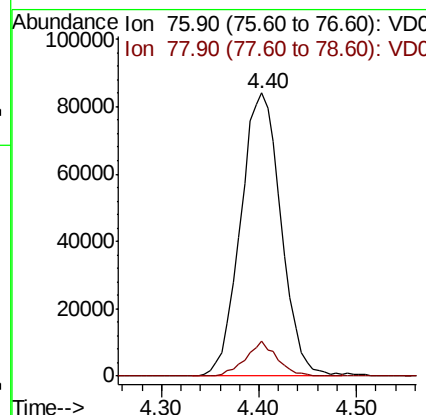
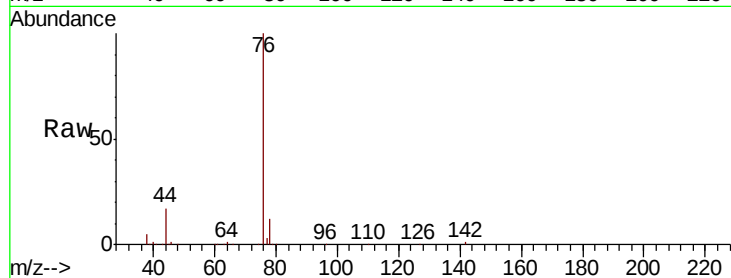




#17
Carbon Disulfide
Concen: 41.031 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD063995.D
Acq: 17 Oct 2019 10:12

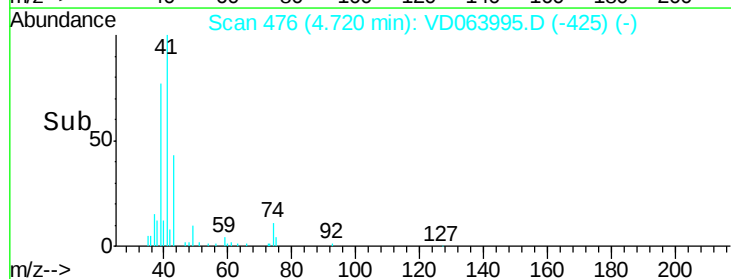
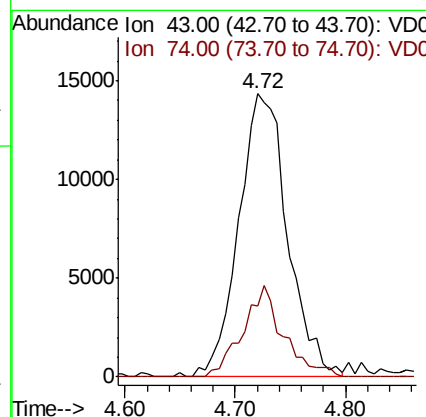
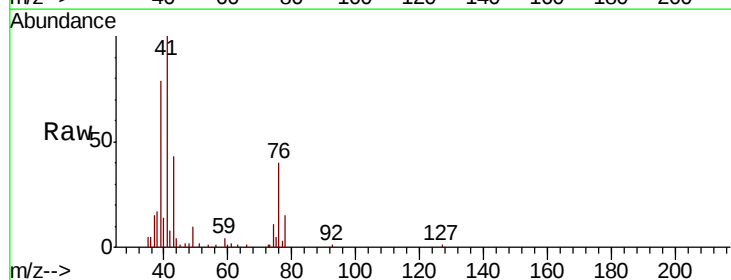
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

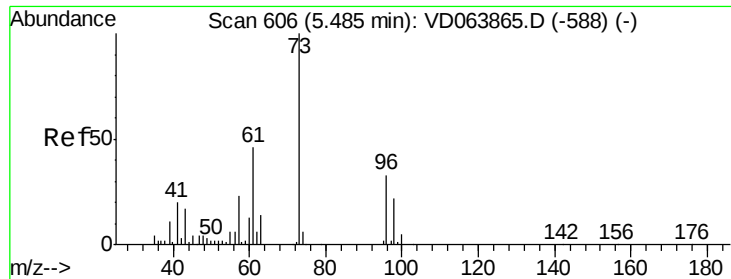
Tot Ion: 76 Resp: 243599
Ion Ratio Lower Upper
76 100
78 12.4 5.8 8.8#



#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

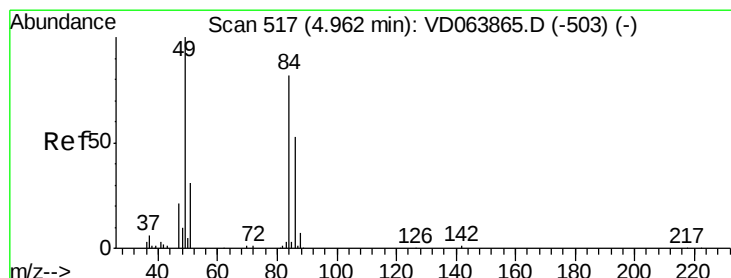
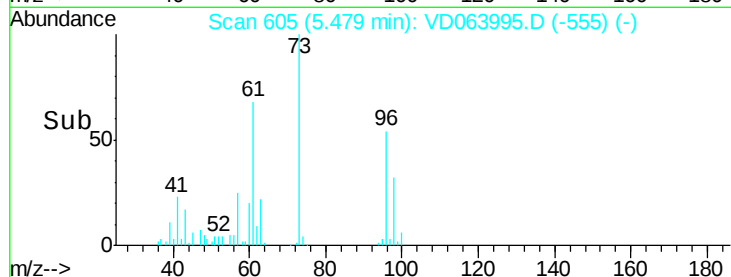
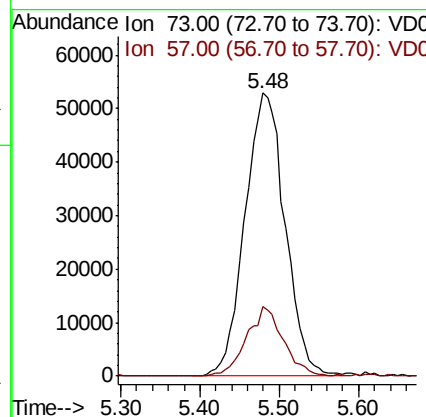
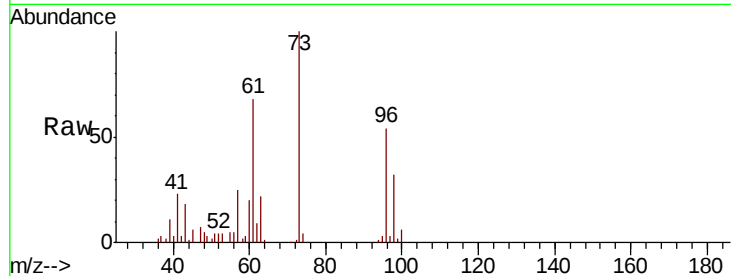




#19
Methvl tert-butvl Ether
Concen: 44.003 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD063995.D
Acq: 17 Oct 2019 10:12

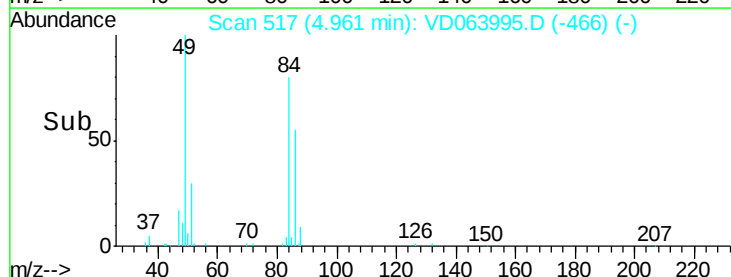
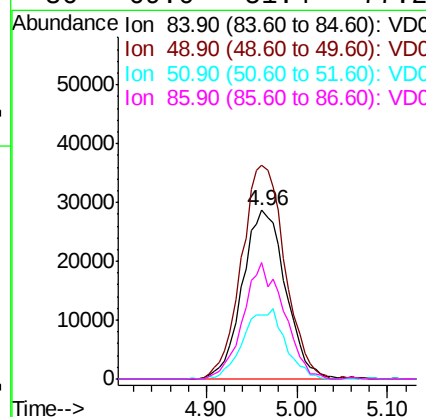
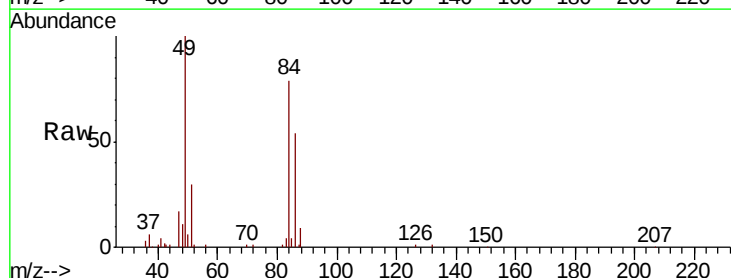
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

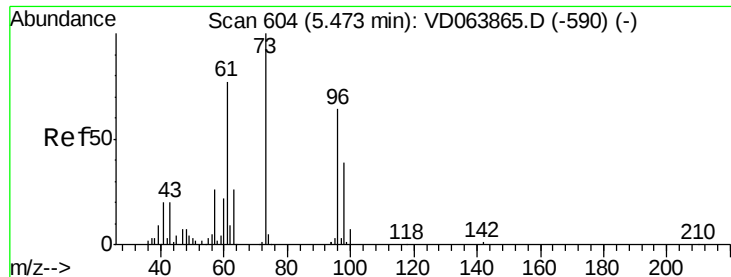
Tot Ion: 73 Resp: 186099
Ion Ratio Lower Upper
73 100
57 24.6 18.1 27.1



#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 :

VSTDCCC050

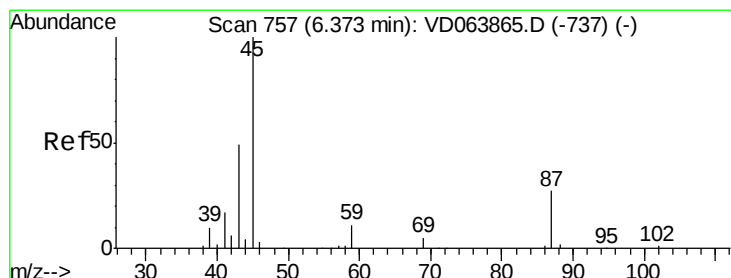
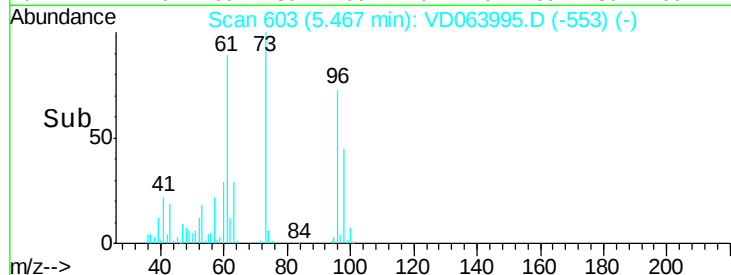
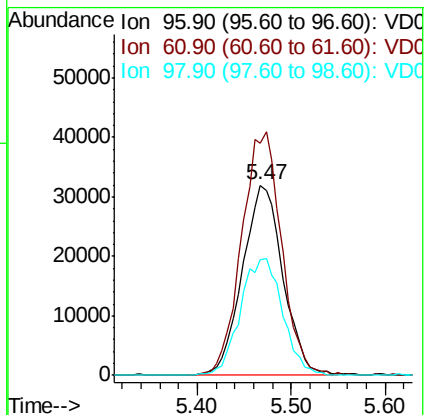
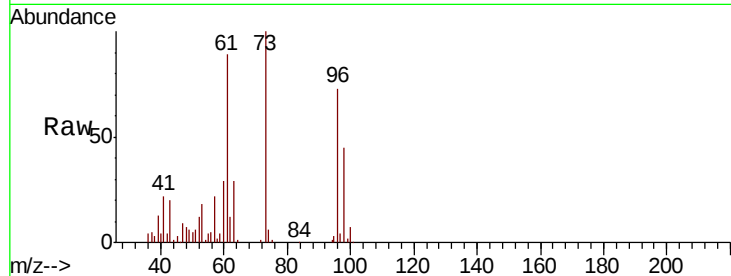
Tot Ion: 96 Resp: 95451

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

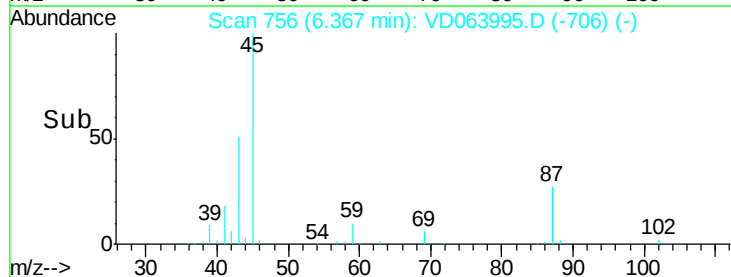
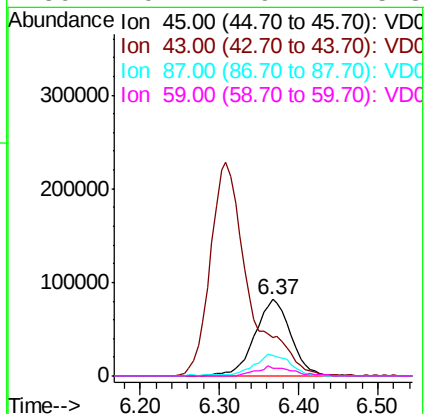
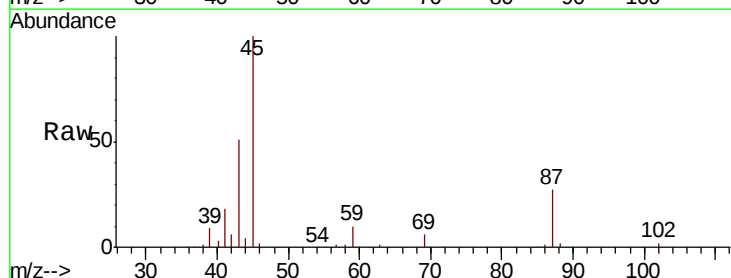
Ion Ratio Lower Upper

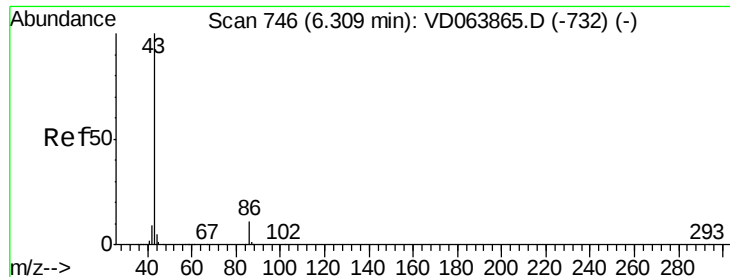
45 100

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

ClientSampleID :

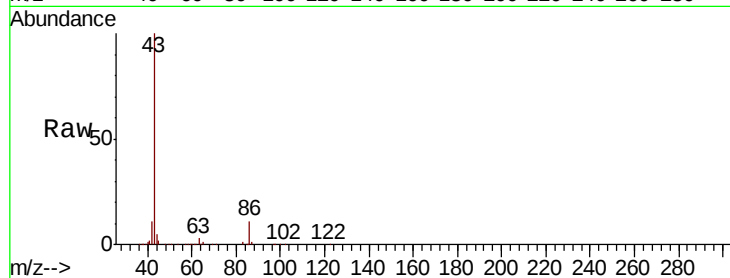
VSTDCCC050

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

6.31

250000

200000

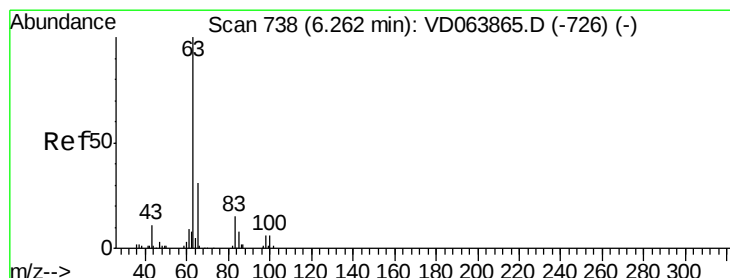
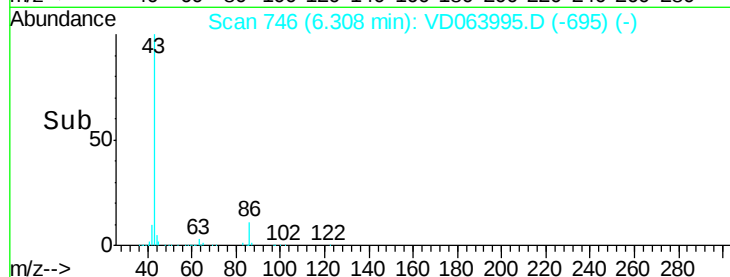
150000

100000

50000

0

Time-->



#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

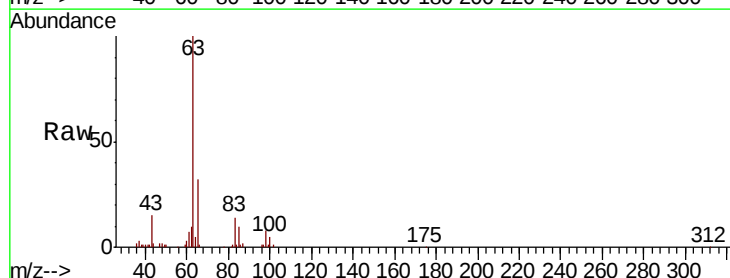
Tgt Ion: 63 Resp: 162907

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

6.26

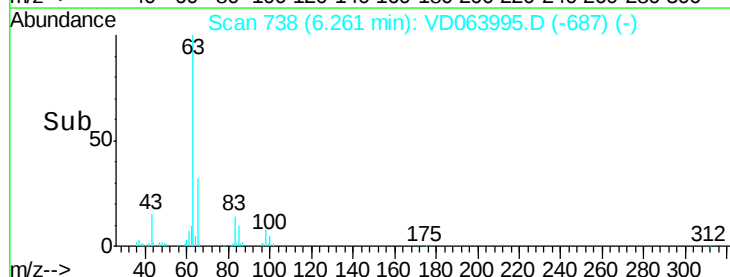
60000

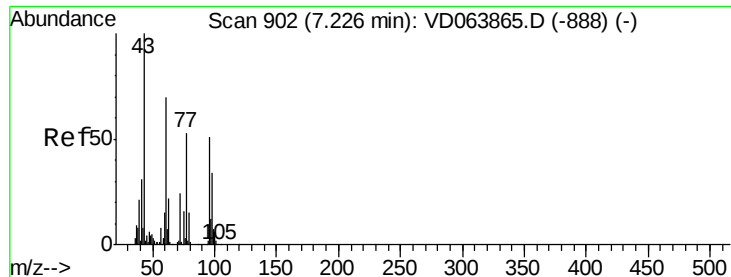
40000

20000

0

Time-->





#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 :

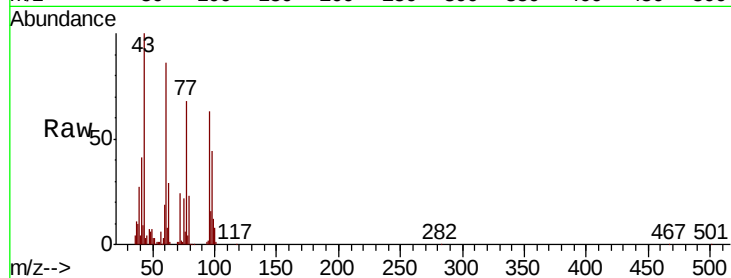
VSTDCCC050

Tot Ion: 43 Resp: 143059

Ion Ratio Lower Upper

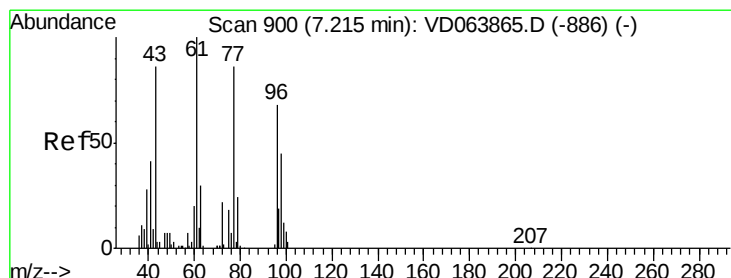
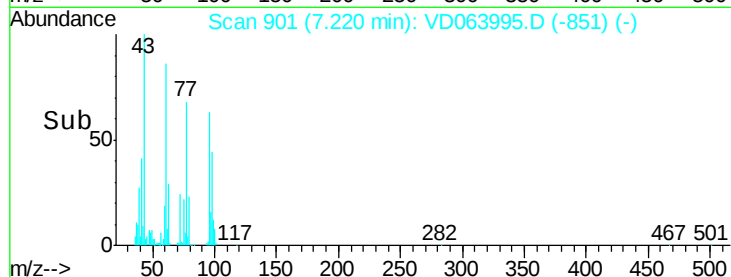
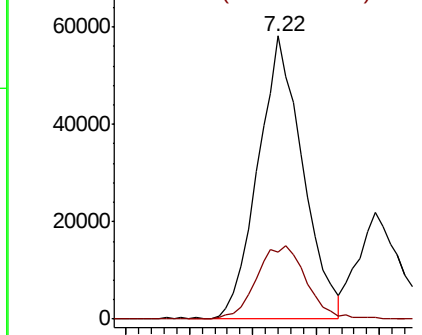
43 100

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

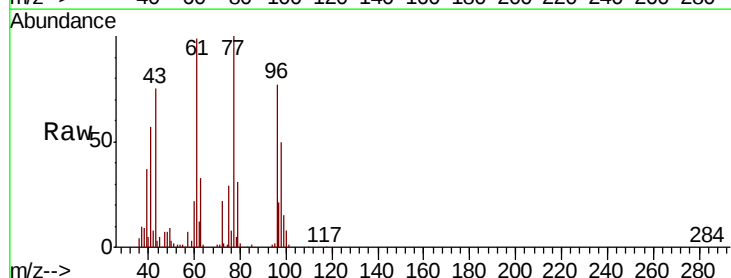
Acq: 17 Oct 2019 10:12

Tgt Ion: 77 Resp: 145065

Ion Ratio Lower Upper

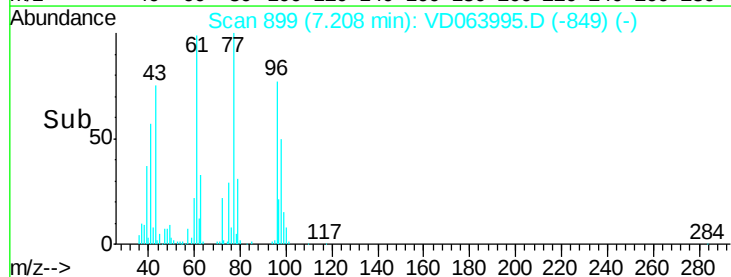
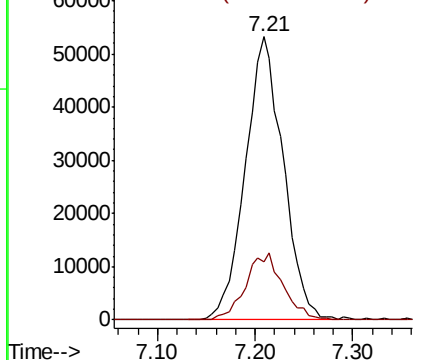
77 100

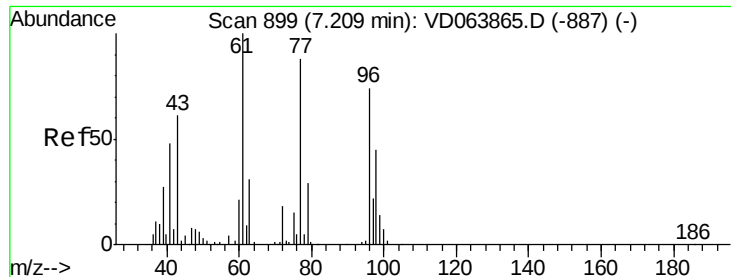
97 23.4 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



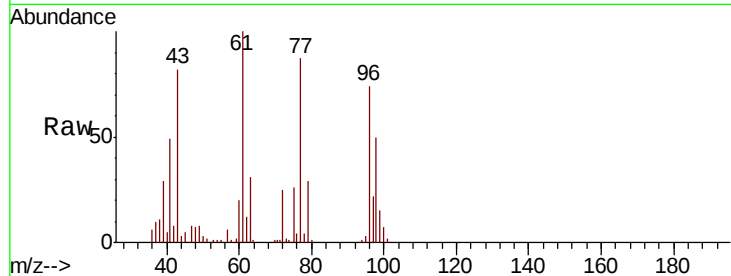


#27

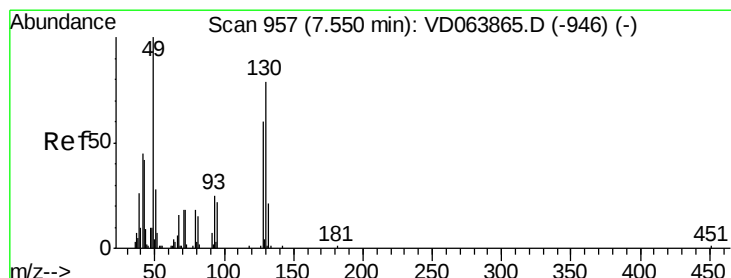
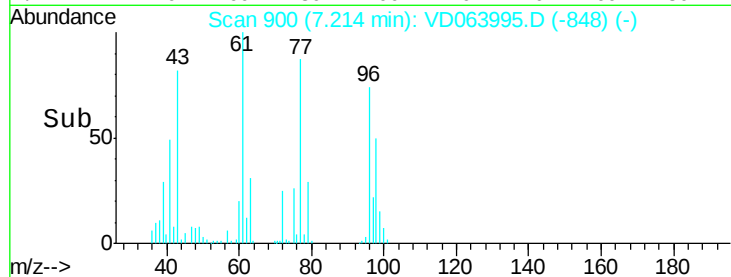
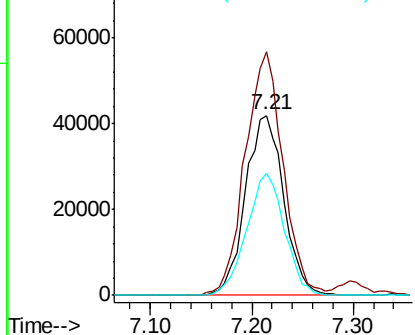
cis-1,2-Dichloroethene
 Concen: 47.773 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD063995.D
 Acq: 17 Oct 2019 10:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.0	0.0	280.0
98	66.9	0.0	130.4



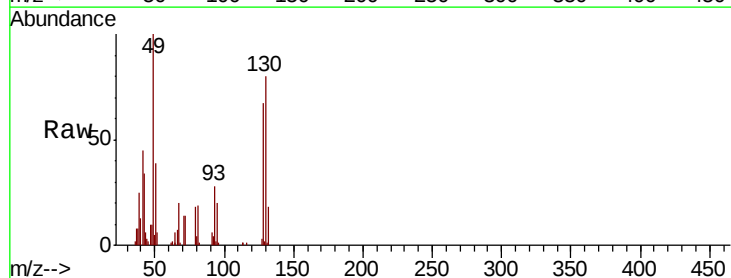
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



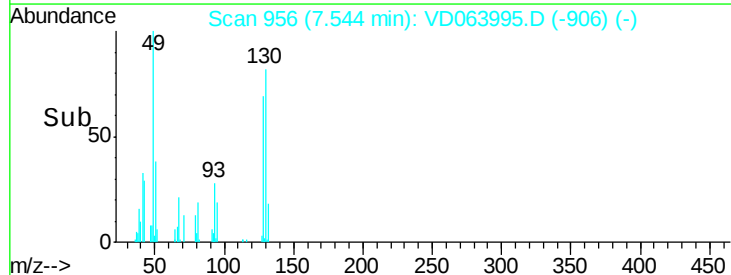
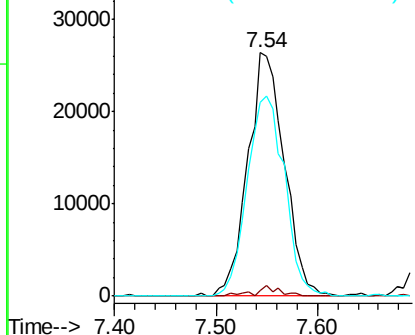
#28

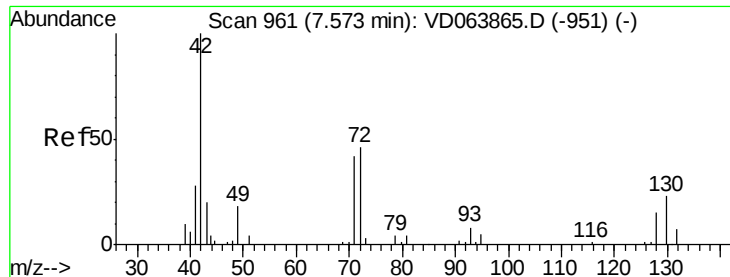
Bromochloromethane
 Concen: 50.800 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD063995.D
 Acq: 17 Oct 2019 10:12

Tgt Ion	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

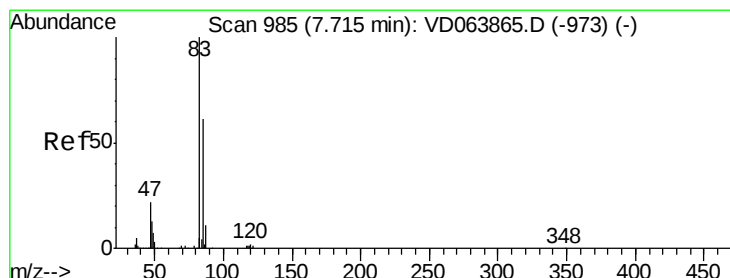
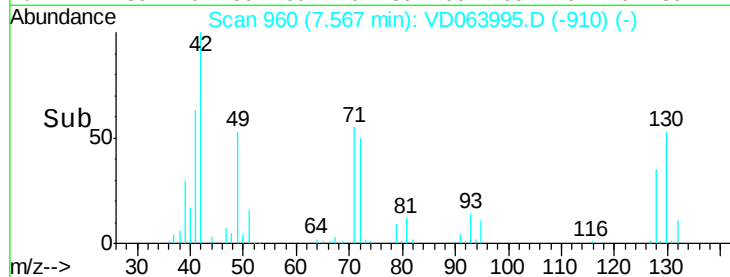
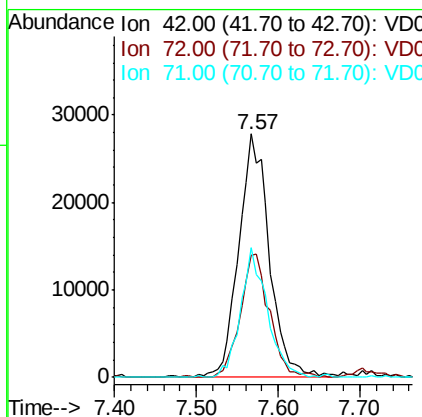
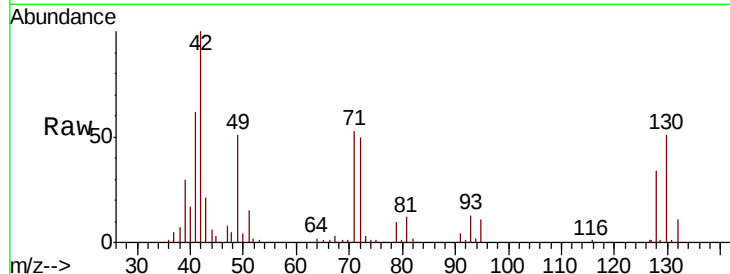




#29
Tetrahydrofuran
Concen: 212.818 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD063995.D
Acq: 17 Oct 2019 10:12

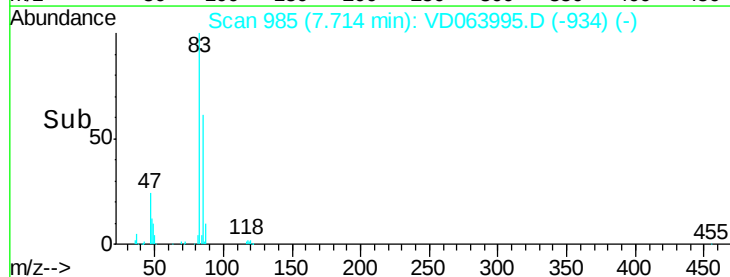
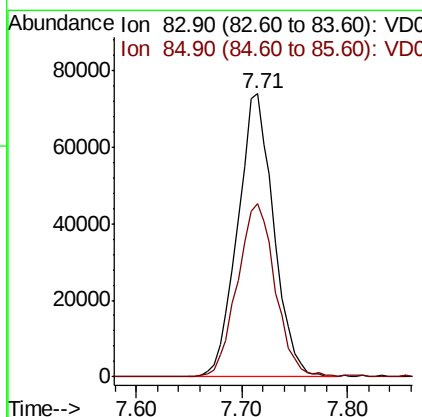
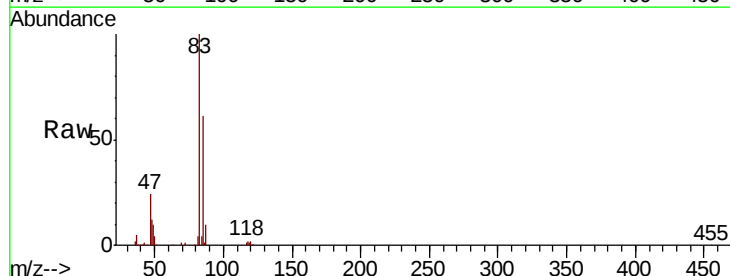
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

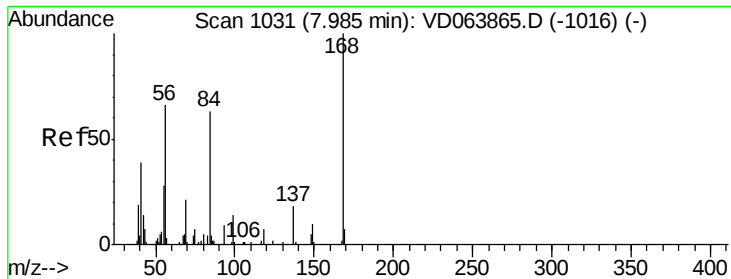
Tot Ion: 42 Resp: 72718
Ion Ratio Lower Upper
42 100
72 47.9 37.6 56.4
71 46.2 35.0 52.6



#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

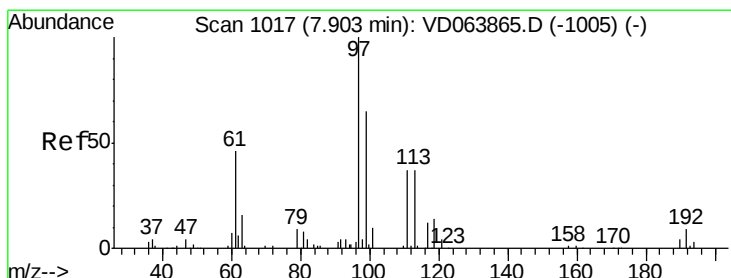
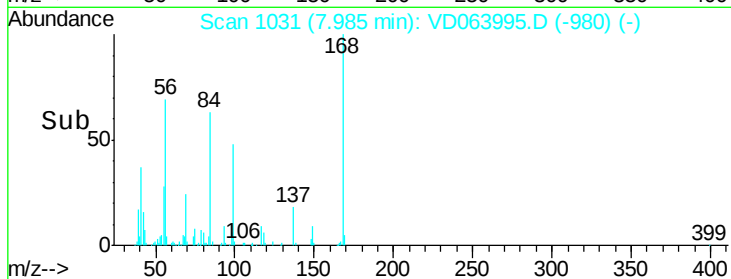
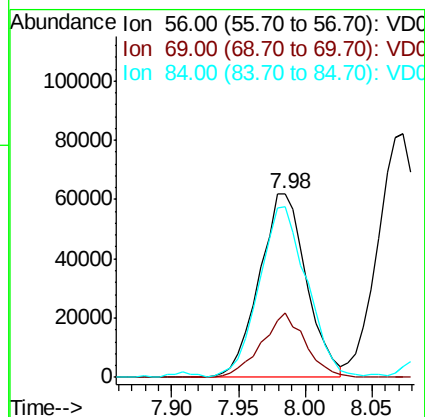
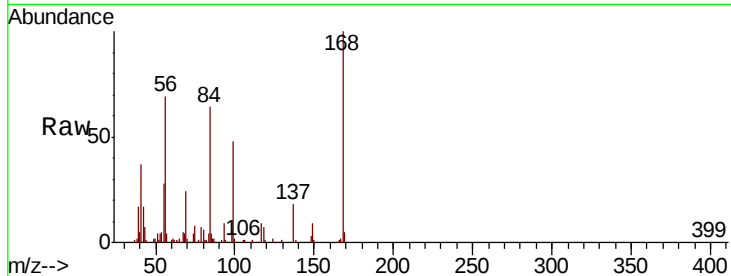




#31
Cyclohexane
Concen: 54.169 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD063995.D
Acq: 17 Oct 2019 10:12

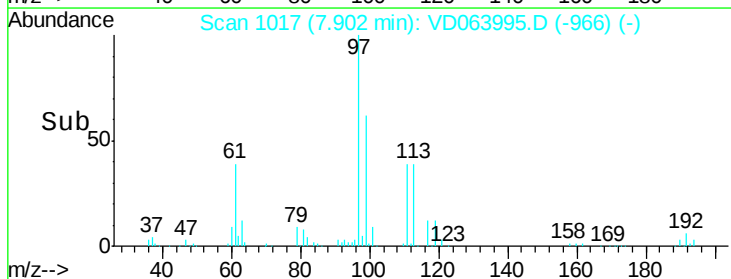
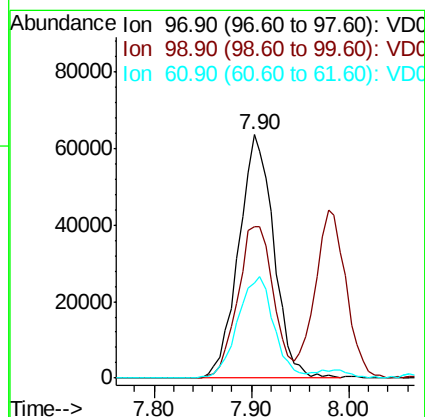
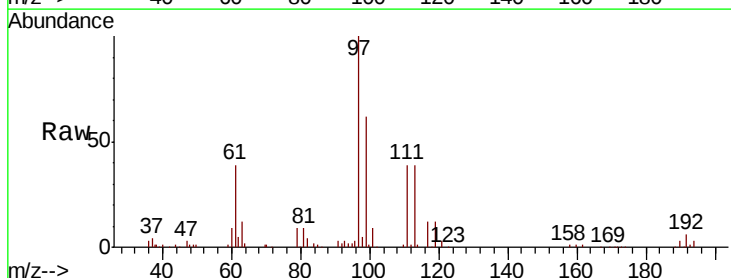
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

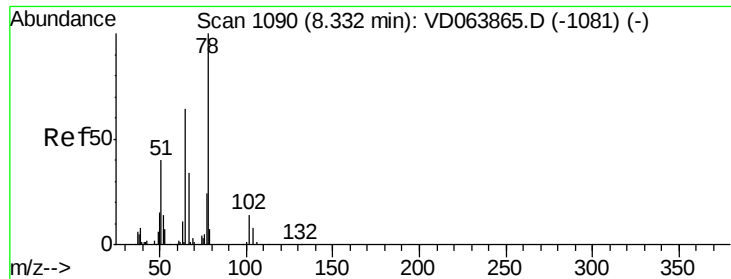
Tot Ion: 56 Resp: 152043
Ion Ratio Lower Upper
56 100
69 34.9 25.0 37.4
84 91.1 76.3 114.5



#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

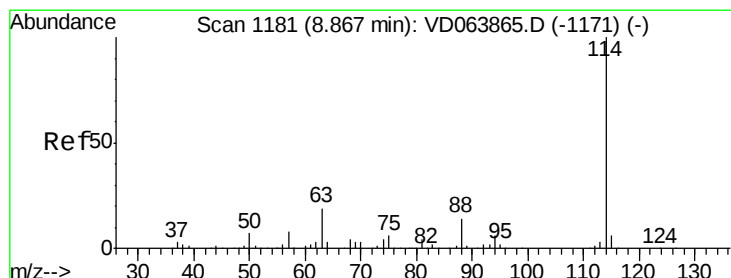
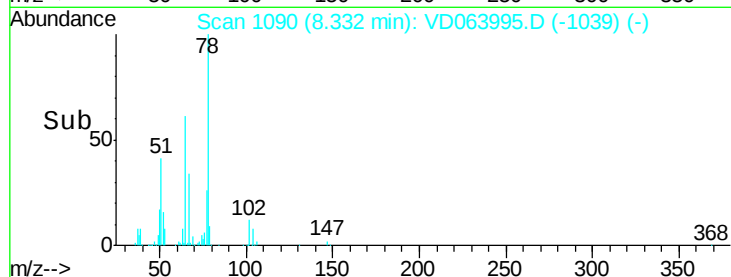
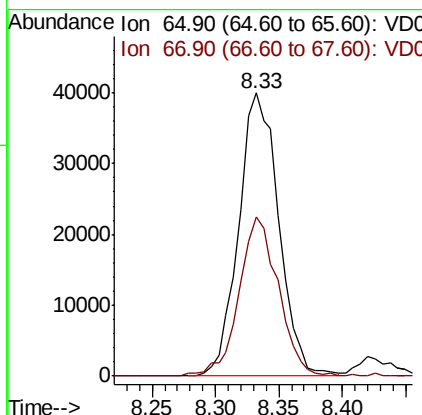
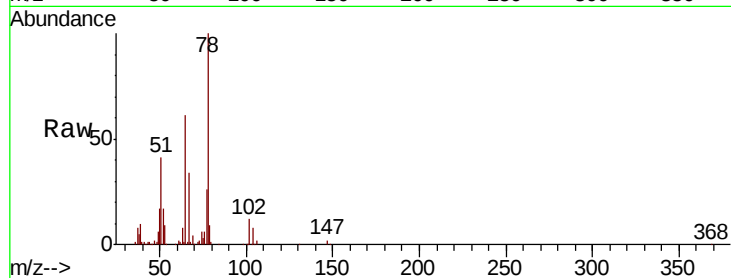




#33
 1,2-Dichloroethane-d4
 Concen: 46.312 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD063995.D
 Acq: 17 Oct 2019 10:12

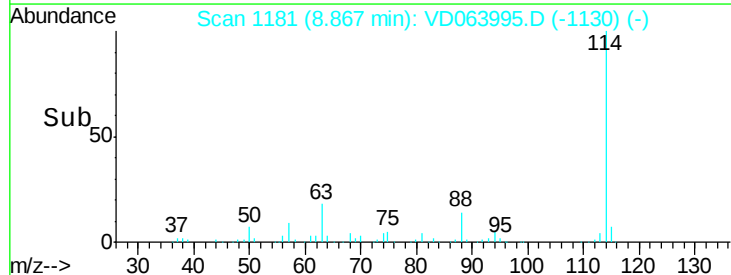
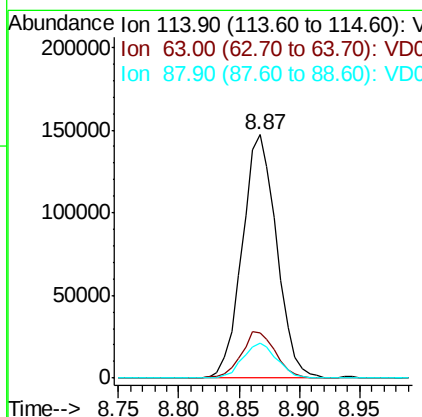
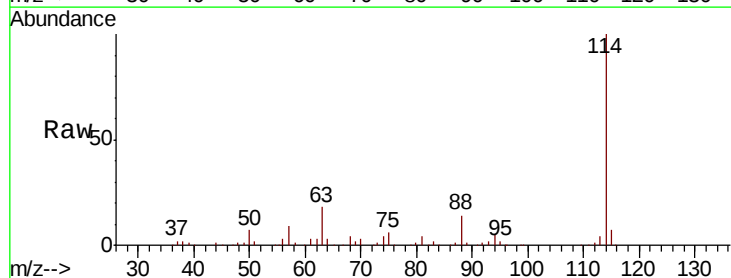
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

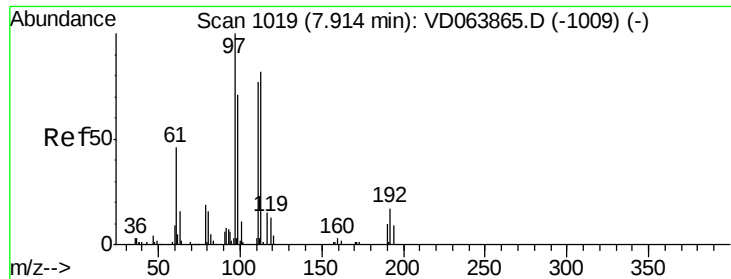
Tot Ion: 65 Resp: 87868
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: 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





#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
ClientSampleId :
VSTDCCC050

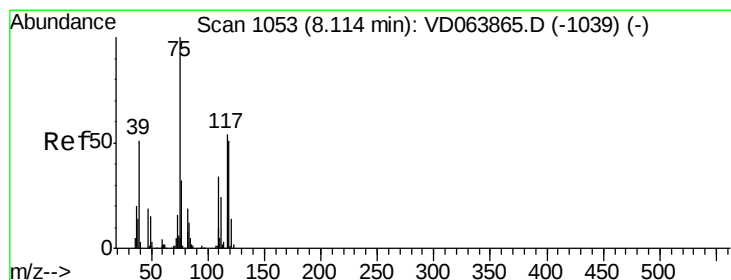
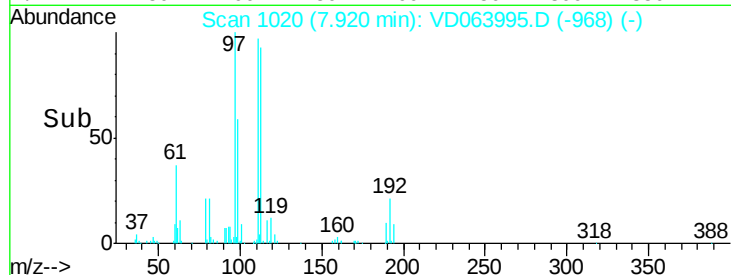
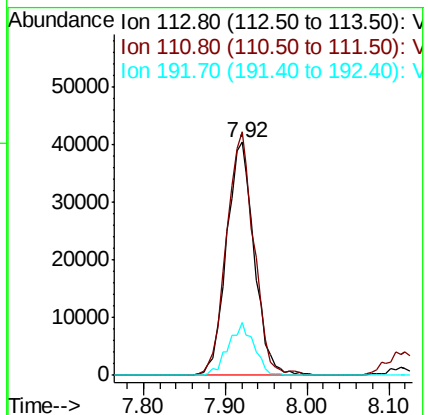
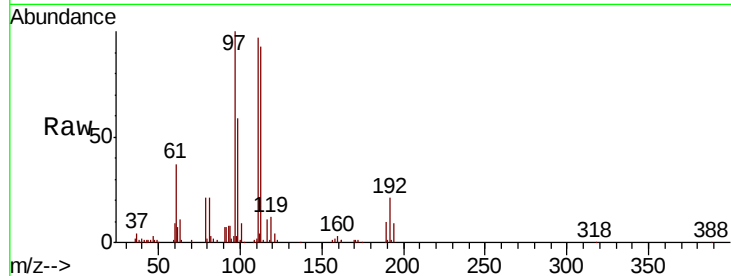
Tot Ion:113 Resp: 95151

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

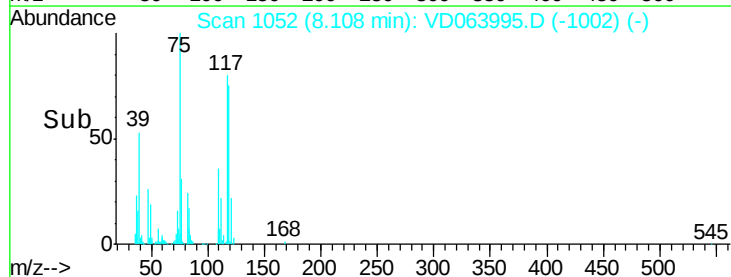
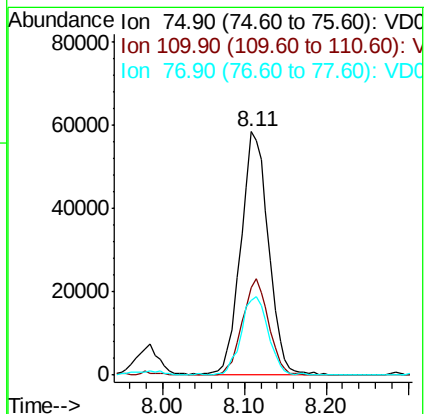
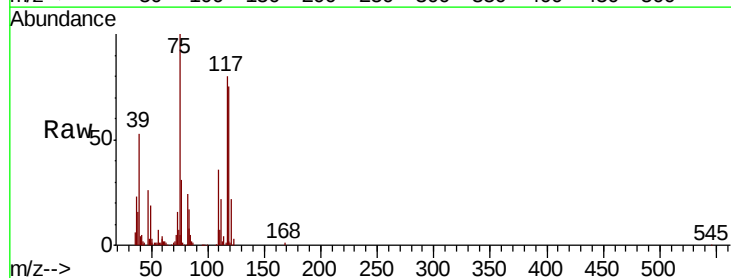
Tgt Ion: 75 Resp: 138032

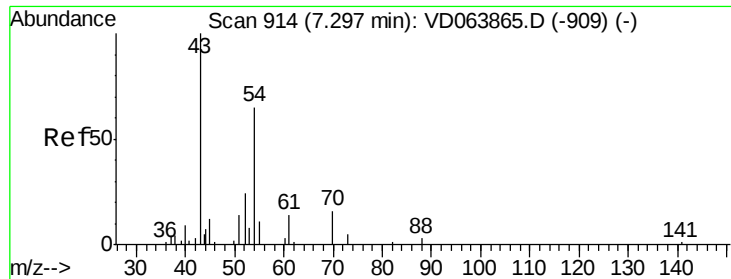
Ion Ratio Lower Upper

75 100

110 37.4 17.4 52.3

77 31.8 25.4 38.0

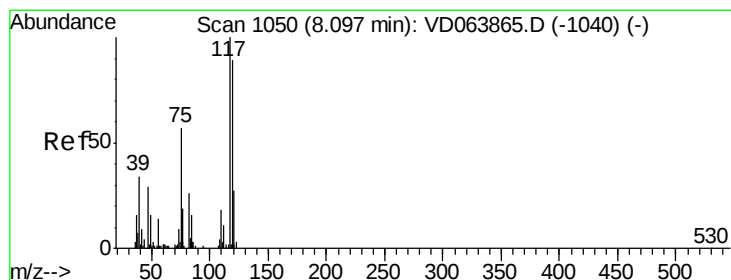
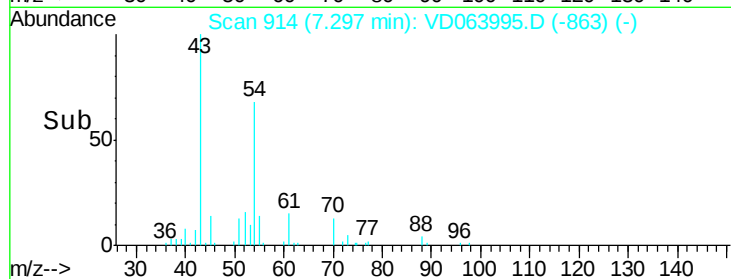
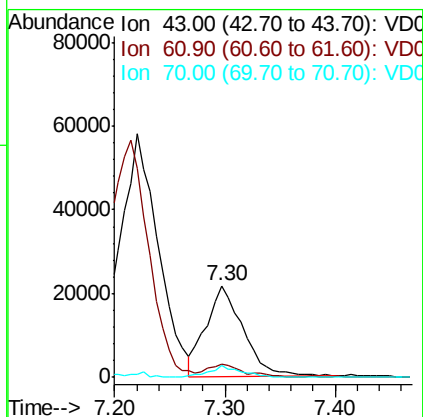
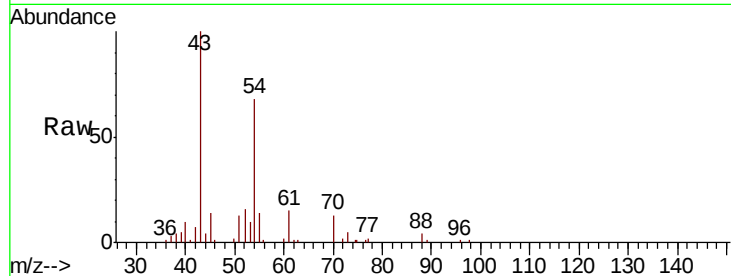




#37
Ethyl Acetate
Concen: 46.834 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD063995.D
Acq: 17 Oct 2019 10:12

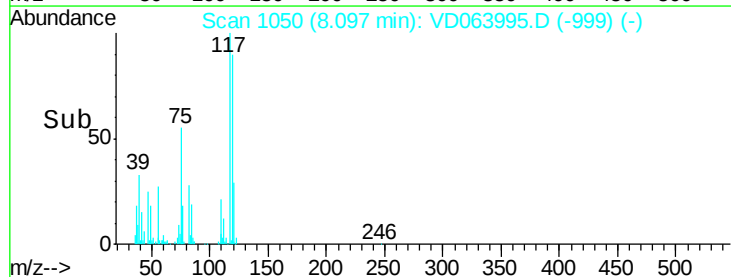
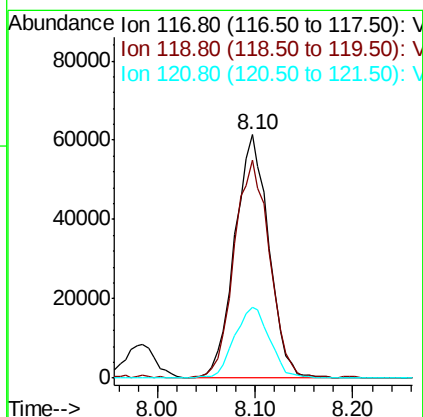
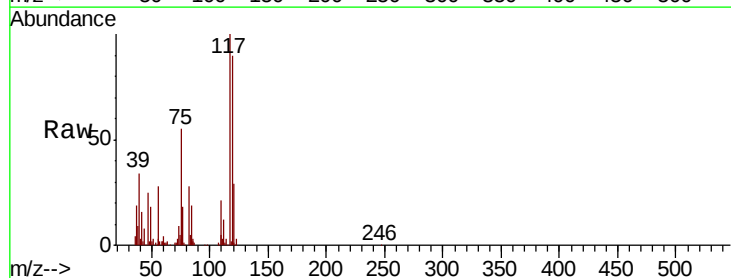
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

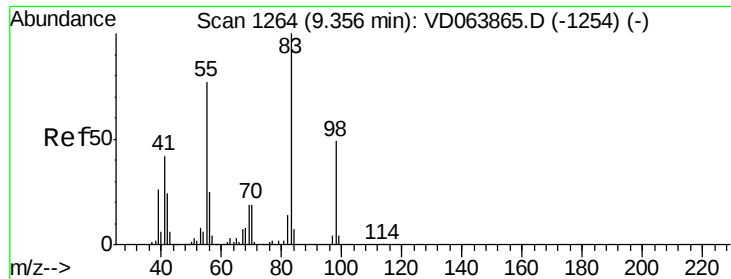
Tot Ion: 43 Resp: 50595
Ion Ratio Lower Upper
43 100
61 13.2 11.5 17.3
70 11.3 8.2 12.4



#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

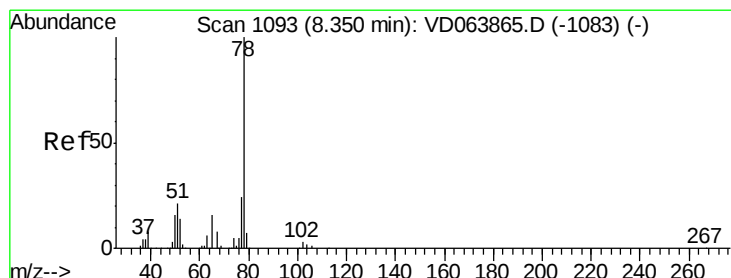
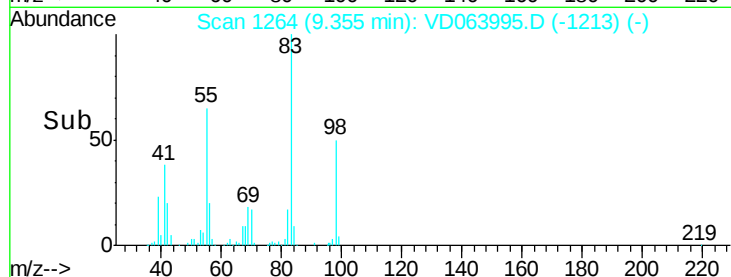
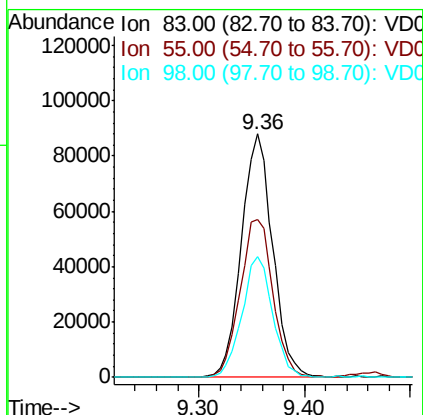
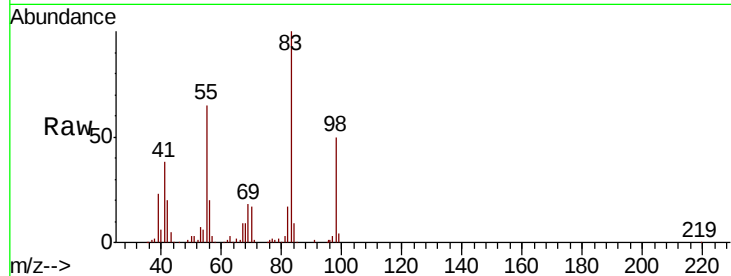




#39
Methvlcvclohexane
Concen: 54.849 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063995.D
Acq: 17 Oct 2019 10:12

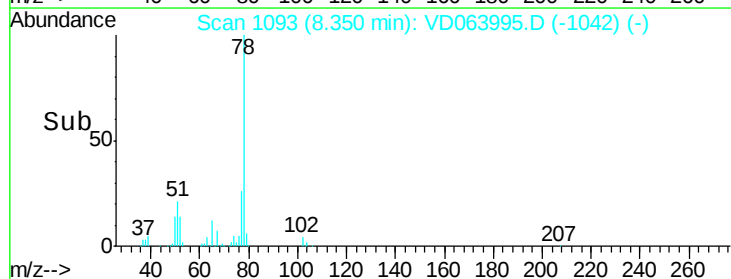
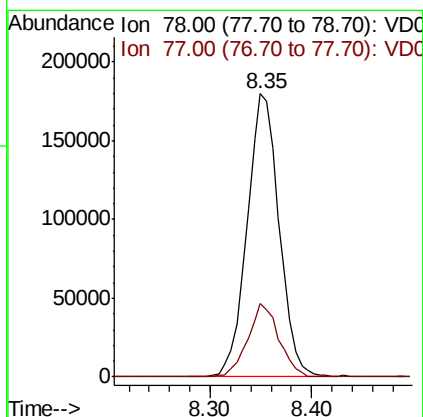
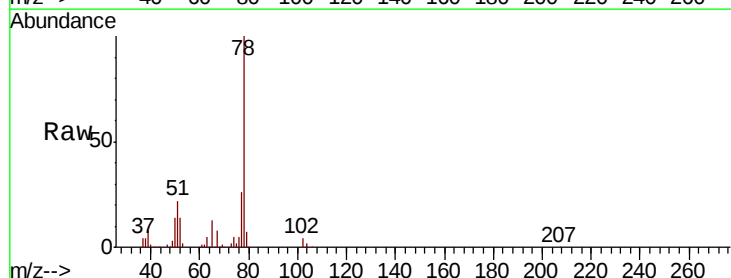
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

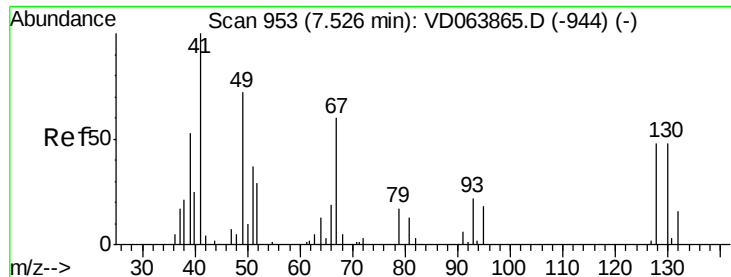
Tot Ion: 83 Resp: 180719
Ion Ratio Lower Upper
83 100
55 64.6 61.3 91.9
98 49.9 39.3 58.9



#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 :

VSTDCCC050

Tot Ion: 41 Resp: 31859

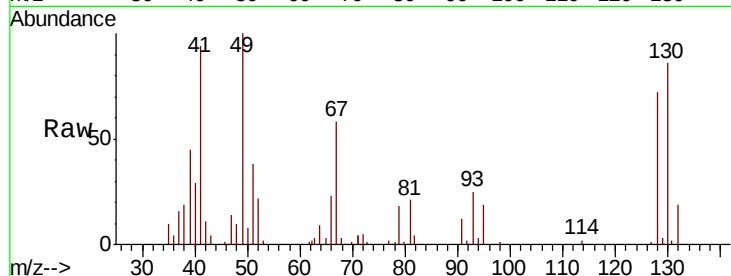
Ion Ratio Lower Upper

41 100

39 54.7 52.6 78.8

67 75.9 74.2 111.2

52 32.2 34.0 51.0#

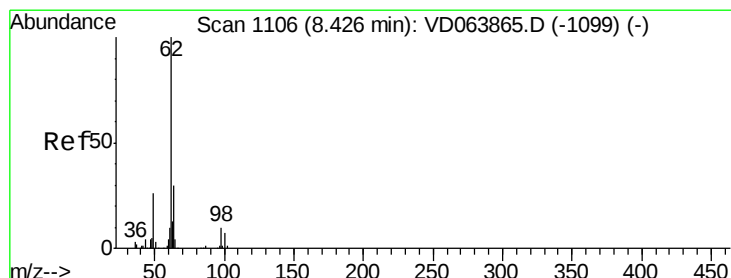
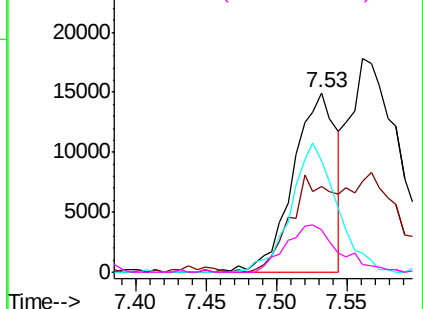
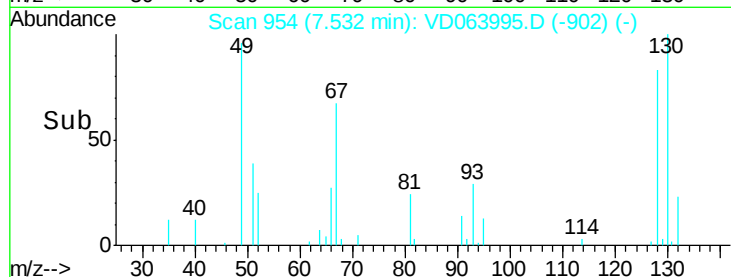


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 48.306 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD063995.D

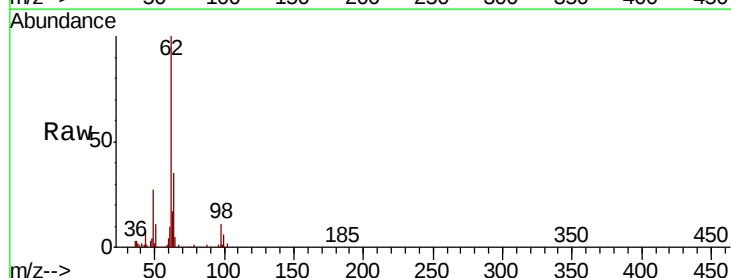
Acq: 17 Oct 2019 10:12

Tgt Ion: 62 Resp: 107303

Ion Ratio Lower Upper

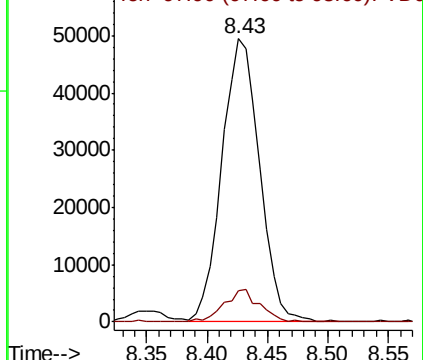
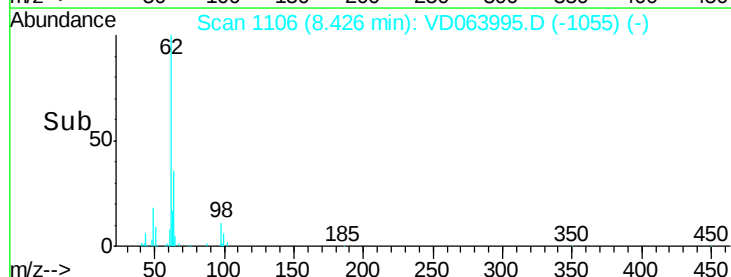
62 100

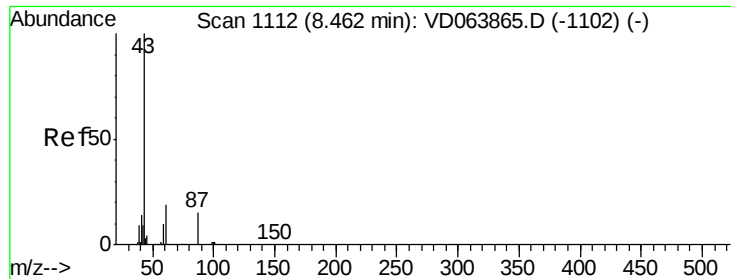
98 10.6 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

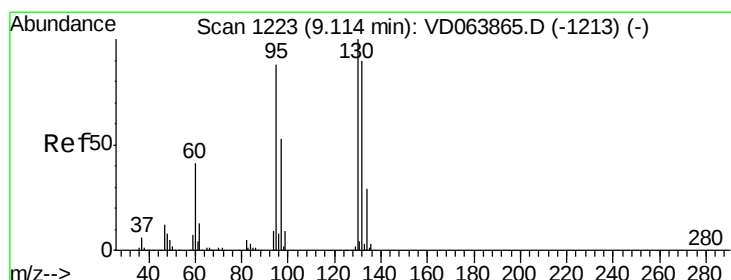
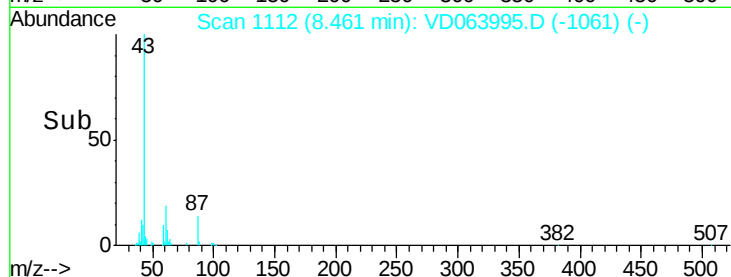
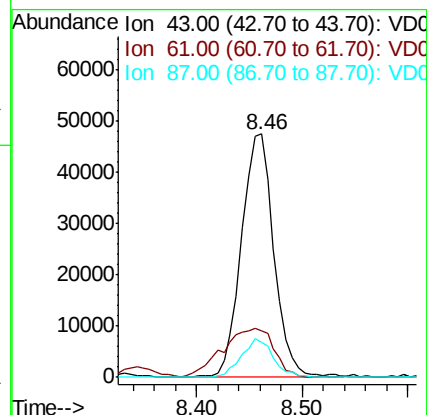
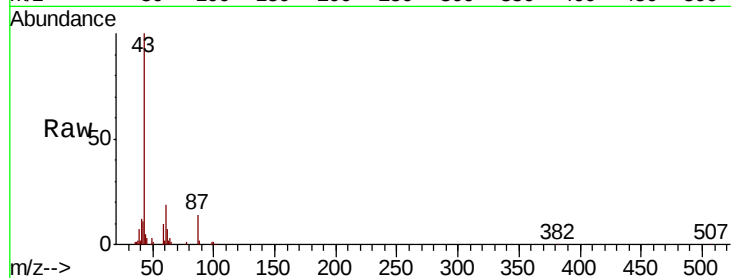




#43
Isopropyl Acetate
Concen: 45.173 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD063995.D
Acq: 17 Oct 2019 10:12

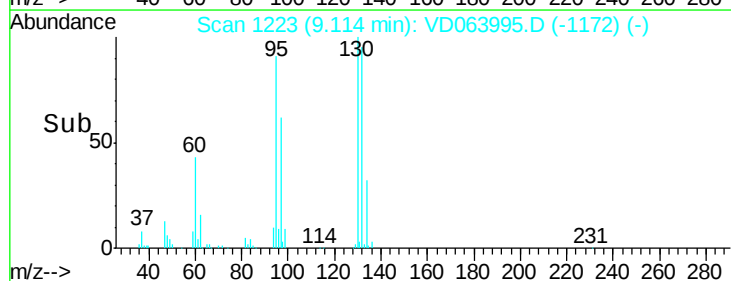
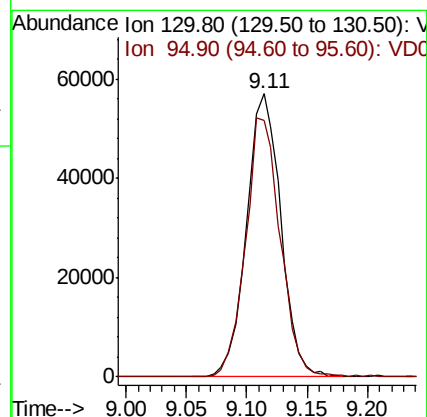
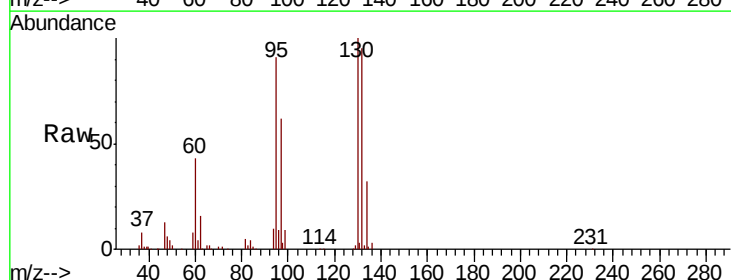
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

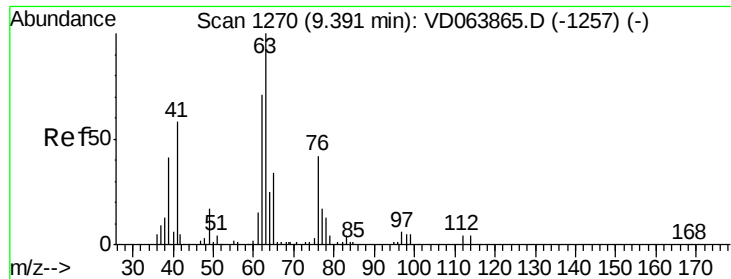
Tot Ion: 43 Resp: 101516
Ion Ratio Lower Upper
43 100
61 31.8 25.7 38.5
87 15.5 11.6 17.4



#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

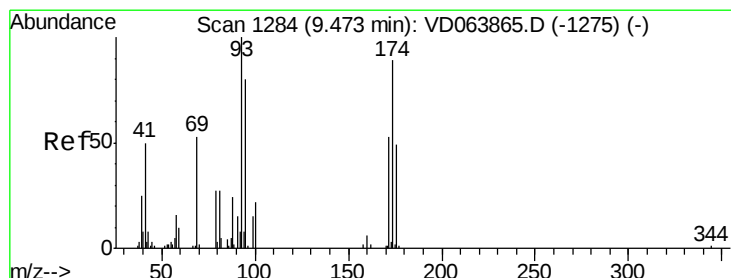
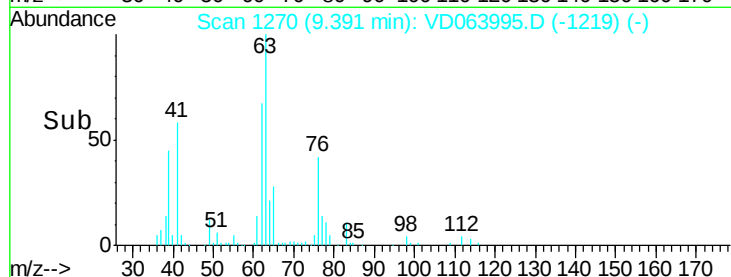
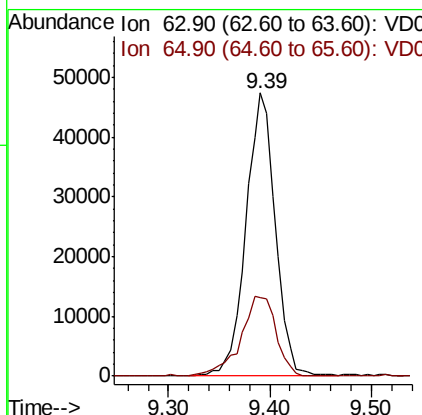
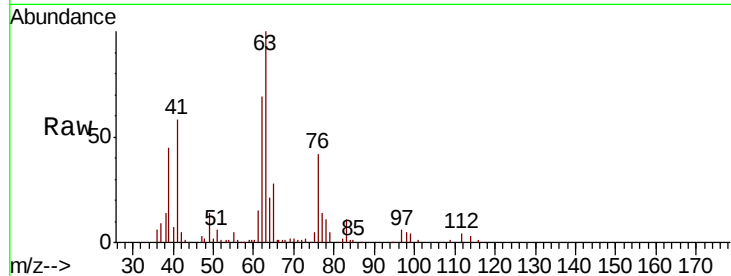




#45
 1,2-Dichloropropane
 Concen: 50.419 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD063995.D
 Acq: 17 Oct 2019 10:12

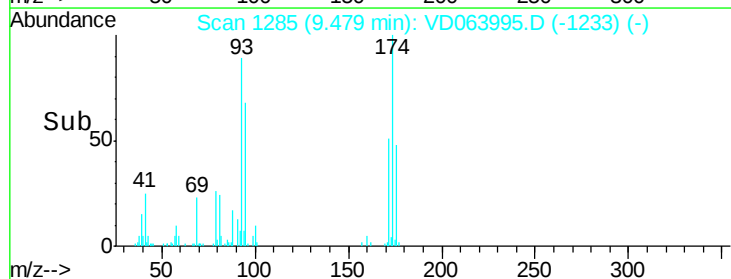
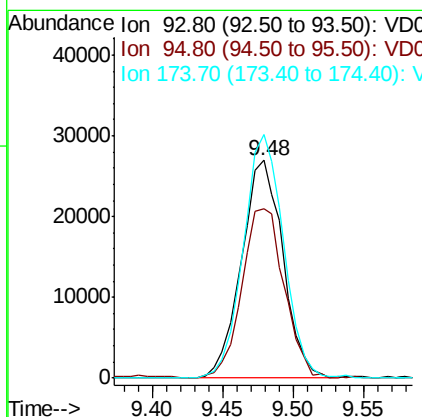
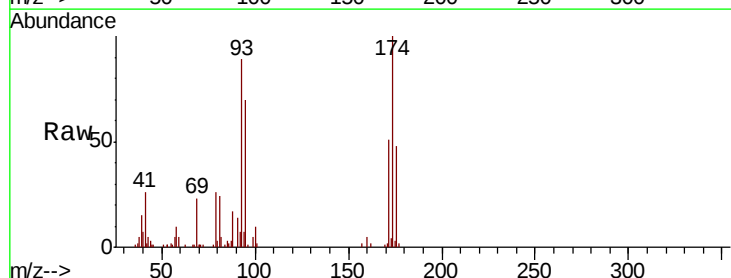
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

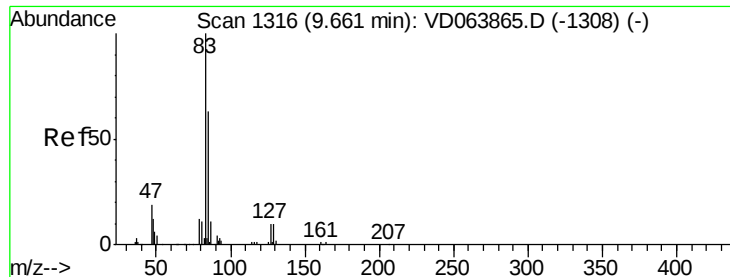
Tot Ion: 63 Resp: 94768
 Ion Ratio Lower Upper
 63 100
 65 28.0 27.3 40.9



#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





#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 :

VSTDCCC050

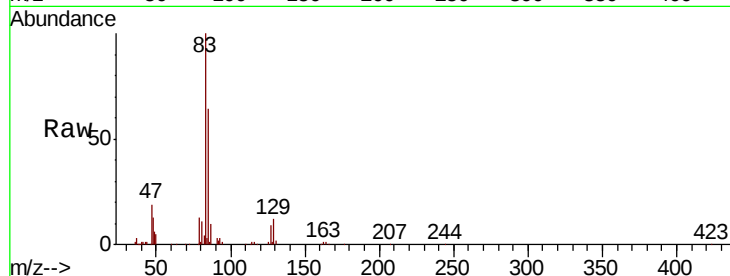
Tot Ion: 83 Resp: 136924

Ion Ratio Lower Upper

83 100

85 63.6 50.2 75.2

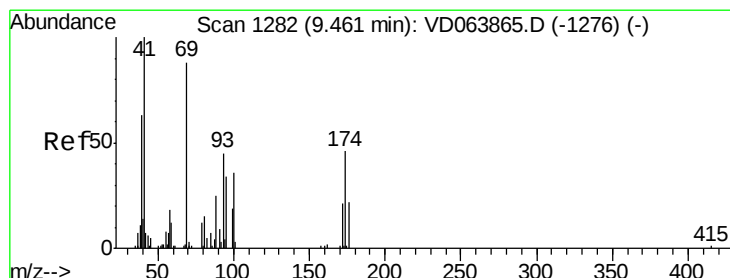
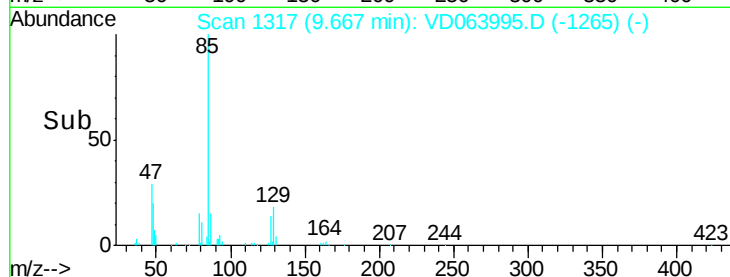
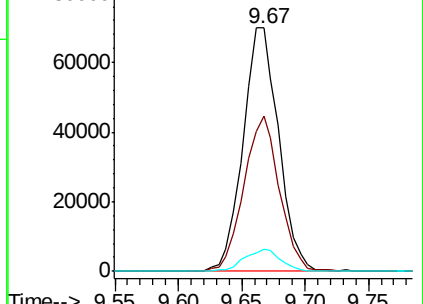
127 9.2 7.6 11.4



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

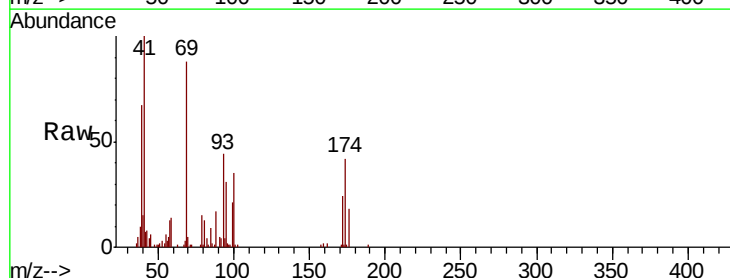
Tgt Ion: 41 Resp: 47742

Ion Ratio Lower Upper

41 100

69 93.9 75.1 112.7

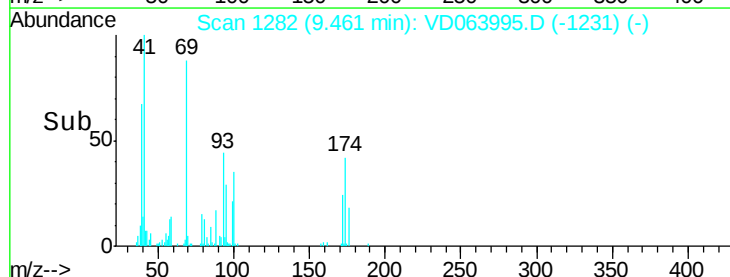
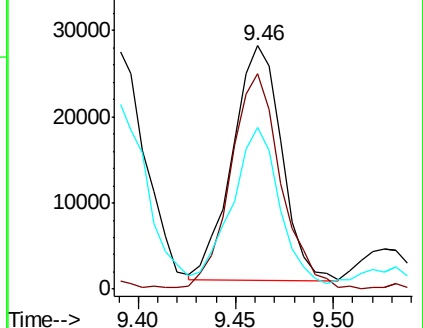
39 63.4 50.2 75.2

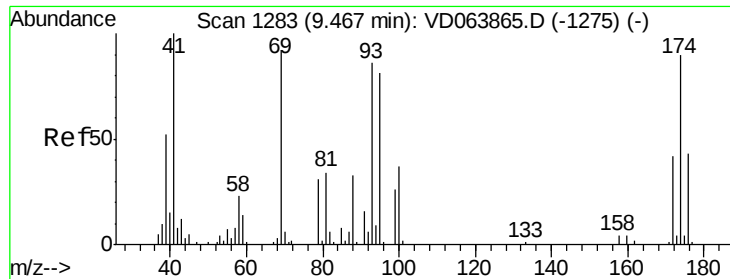


Abundance Ion 41.00 (40.70 to 41.70): VDC

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

ClientSampleId :

VSTDCCC050

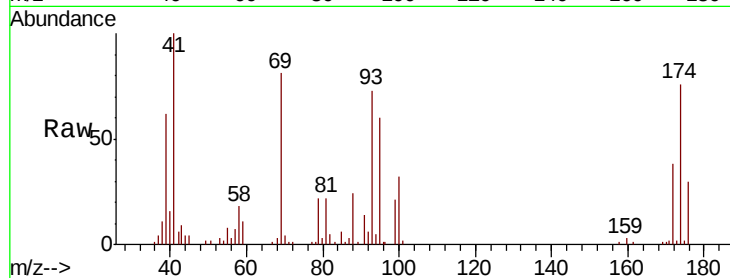
Tot Ion: 88 Resp: 13945

Ion Ratio Lower Upper

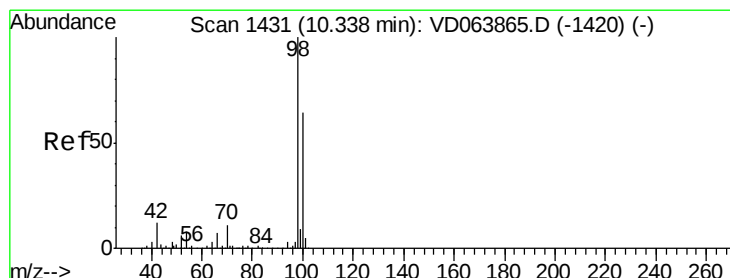
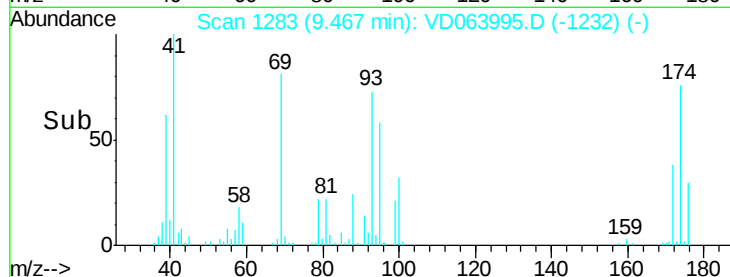
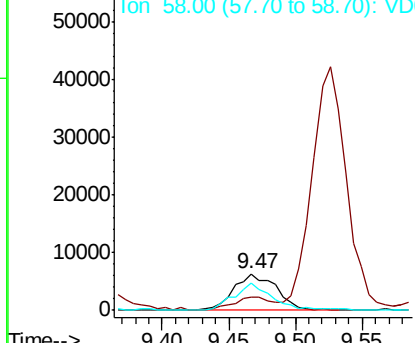
88 100

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

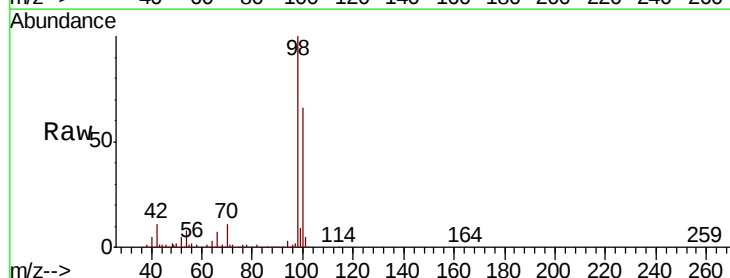
Acq: 17 Oct 2019 10:12

Tgt Ion: 98 Resp: 391987

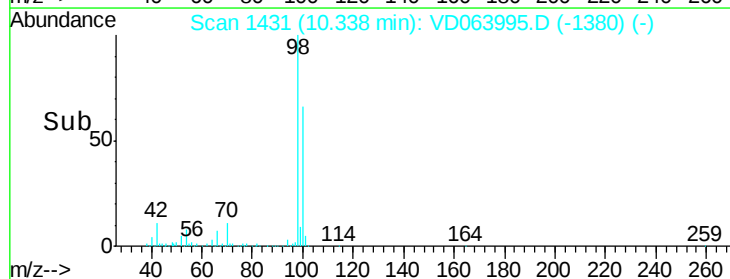
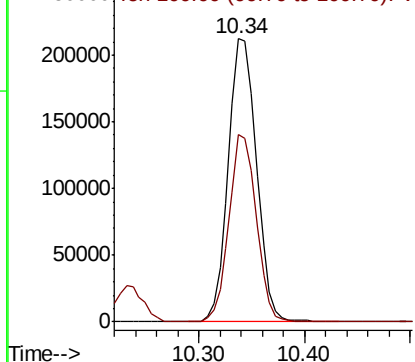
Ion Ratio Lower Upper

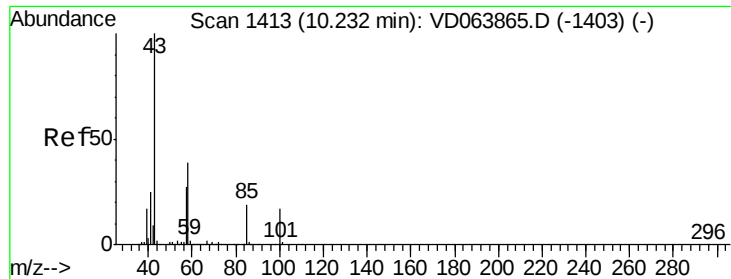
98 100

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

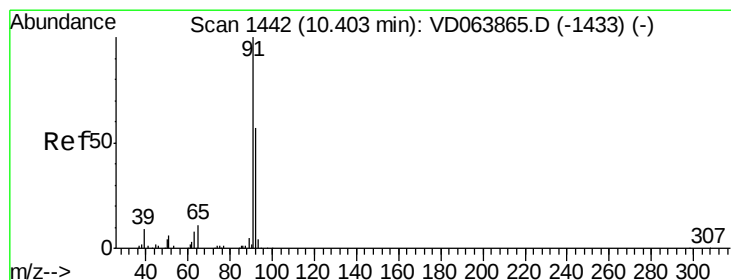
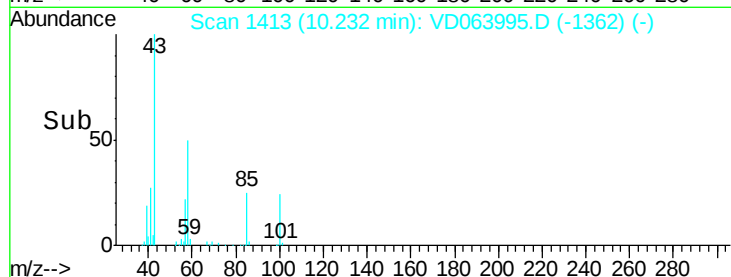
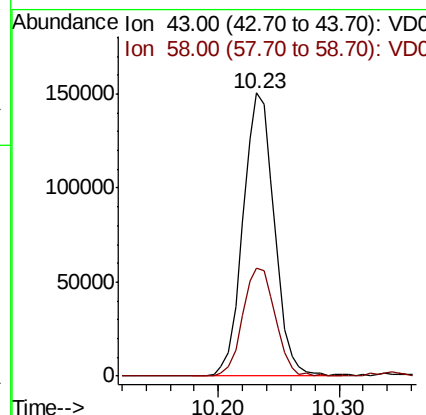
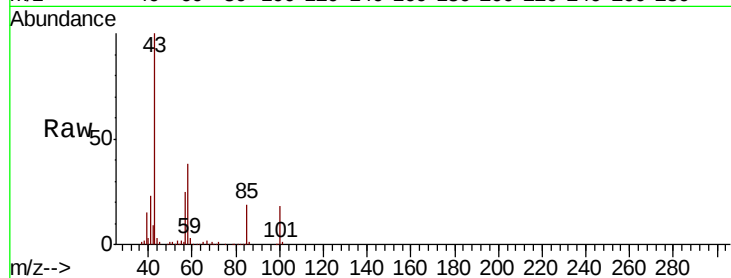




#51
4-Methyl-2-Pentanone
Concen: 233.652 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD063995.D
Acq: 17 Oct 2019 10:12

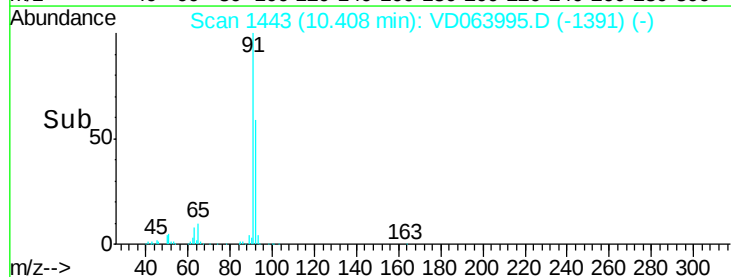
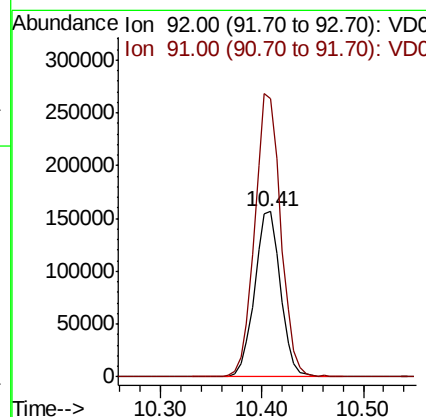
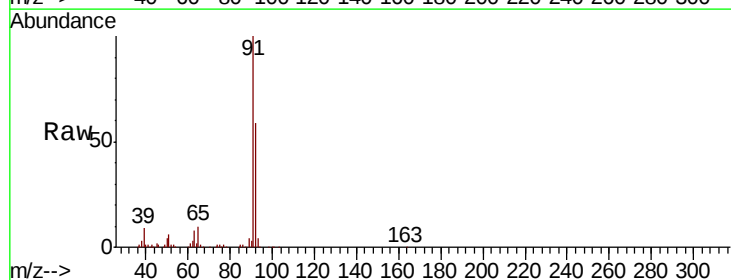
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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

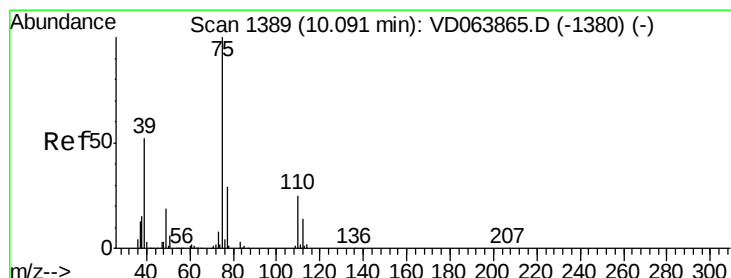
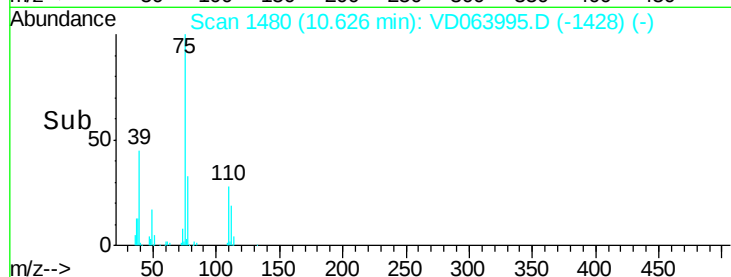
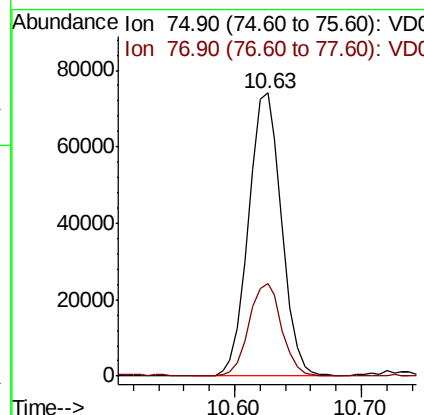
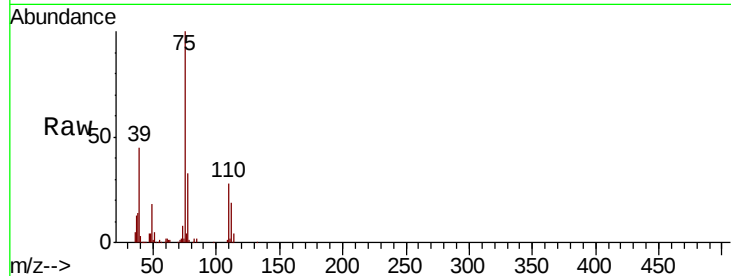




#53
t-1,3-Dichloropropene
Concen: 50.023 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD063995.D
Acq: 17 Oct 2019 10:12

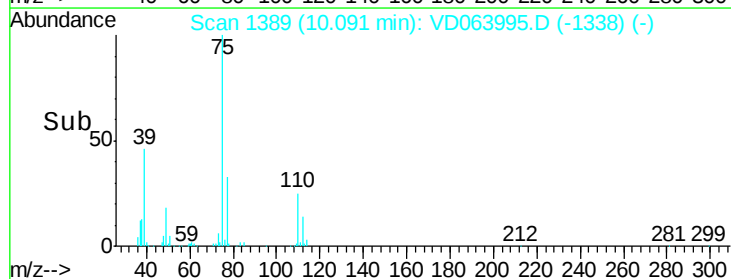
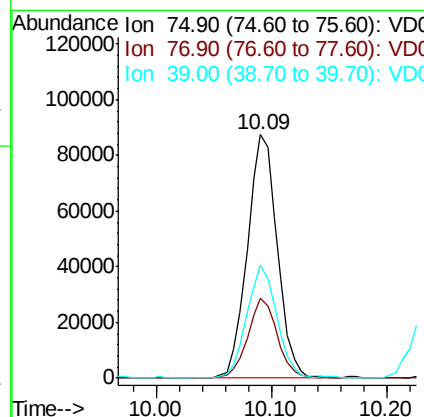
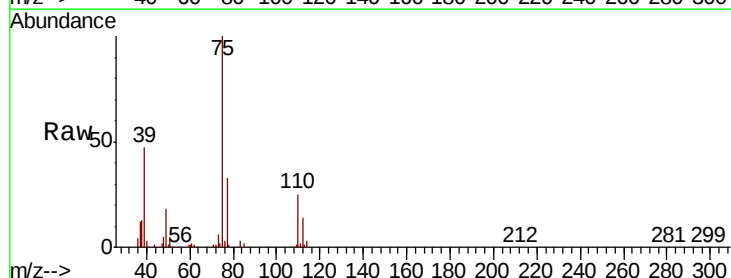
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

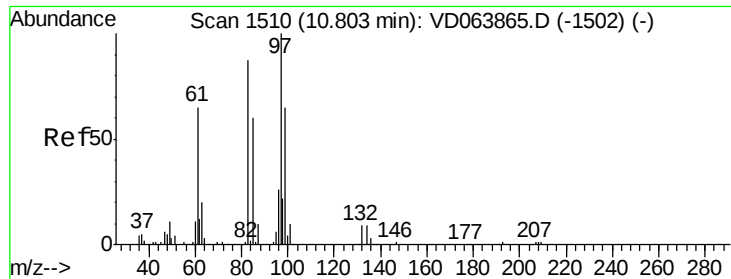
Tot Ion: 75 Resp: 134531
Ion Ratio Lower Upper
75 100
77 32.8 22.8 34.2



#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

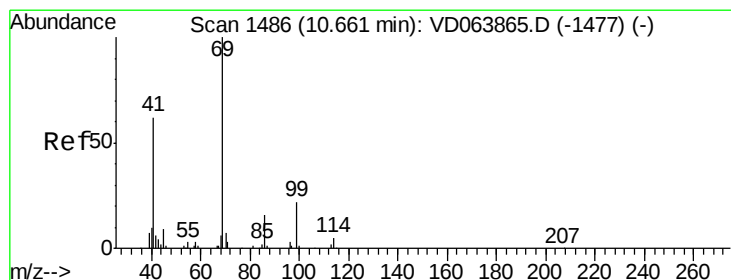
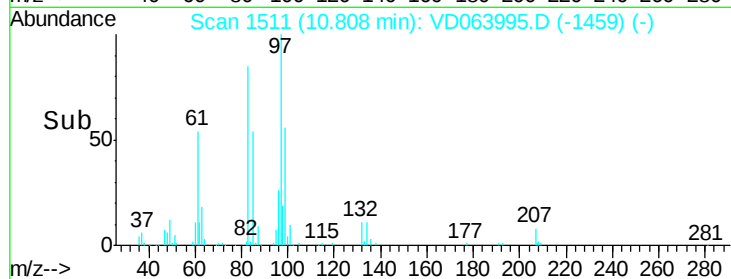
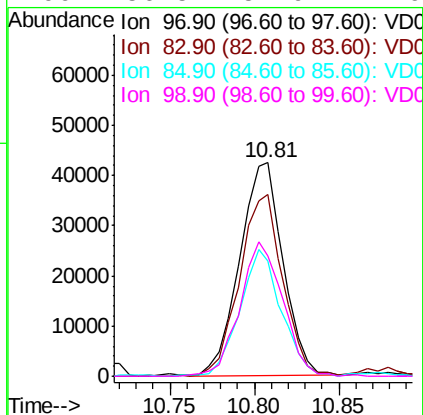
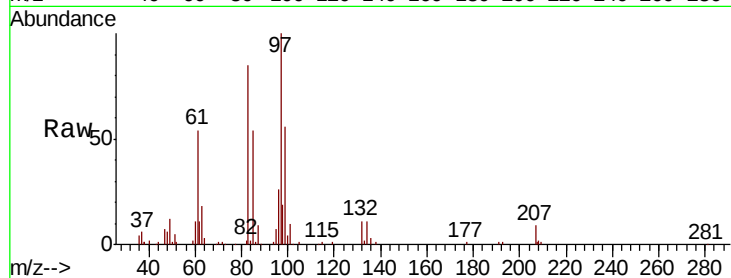




#55
 1,1,2-Trichloroethane
 Concen: 50.035 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD063995.D
 Acq: 17 Oct 2019 10:12

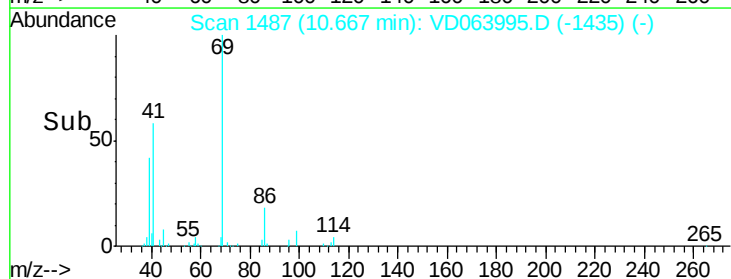
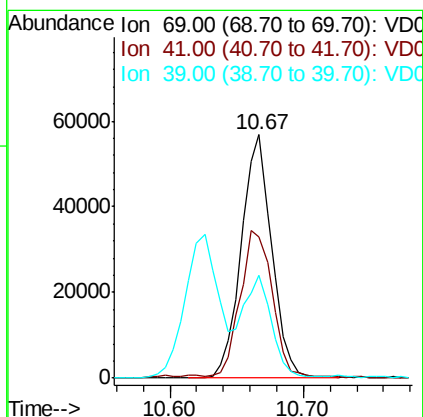
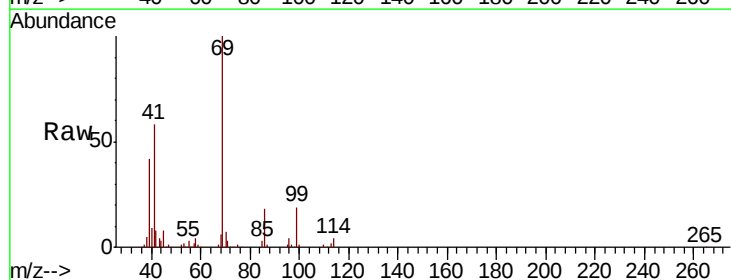
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

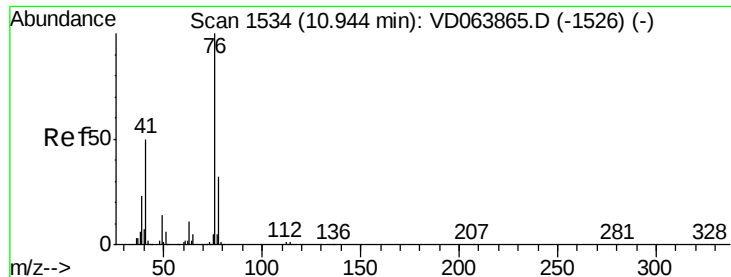
Tot Ion: 97 Resp: 75625
 Ion Ratio Lower Upper
 97 100
 83 85.6 69.7 104.5
 85 53.9 48.1 72.1
 99 56.5 51.9 77.9



#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





#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 :

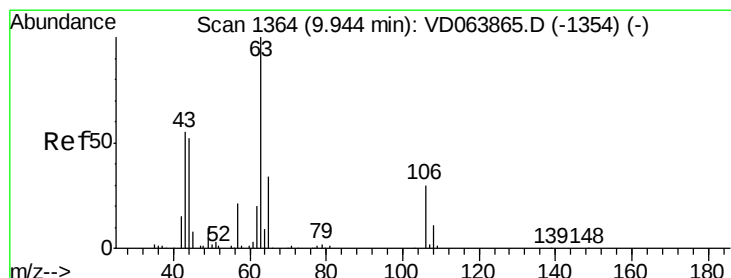
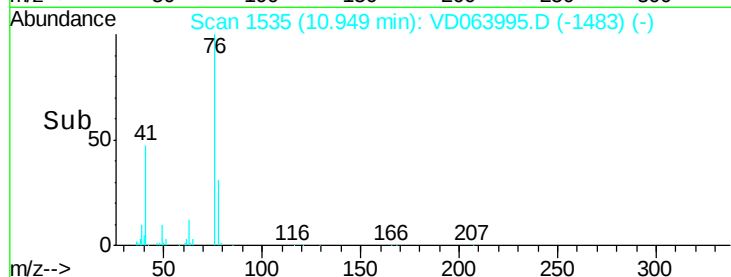
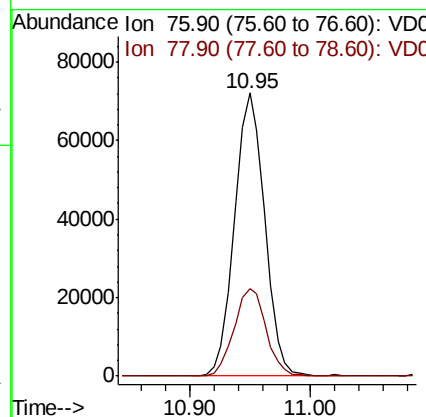
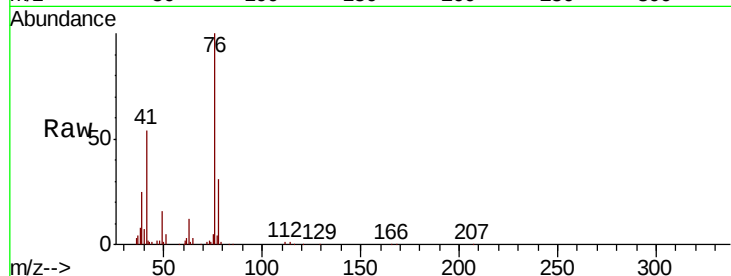
VSTDCCC050

Tot Ion: 76 Resp: 125662

Ion Ratio Lower Upper

76 100

78 33.1 26.6 40.0



#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

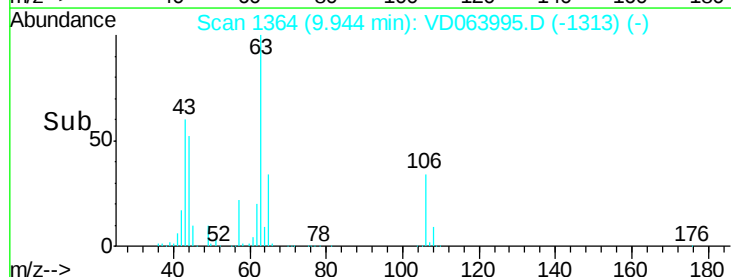
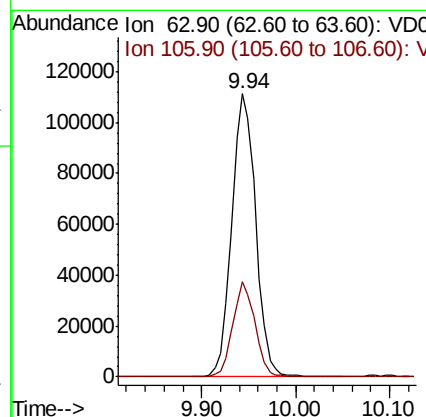
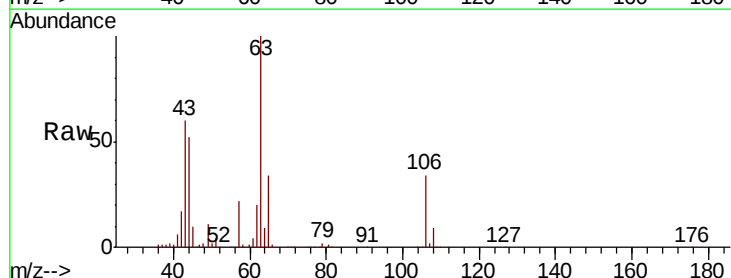
Acq: 17 Oct 2019 10:12

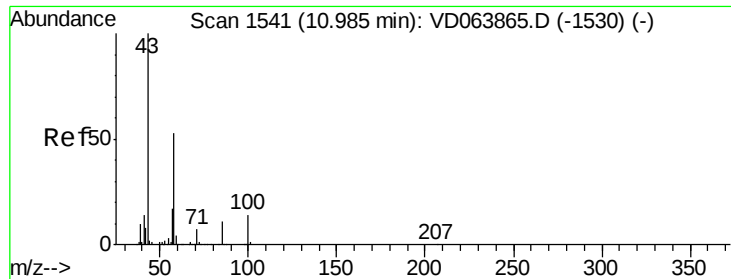
Tgt Ion: 63 Resp: 196172

Ion Ratio Lower Upper

63 100

106 31.3 24.3 36.5

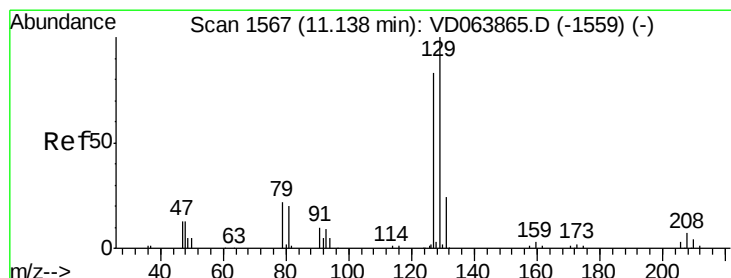
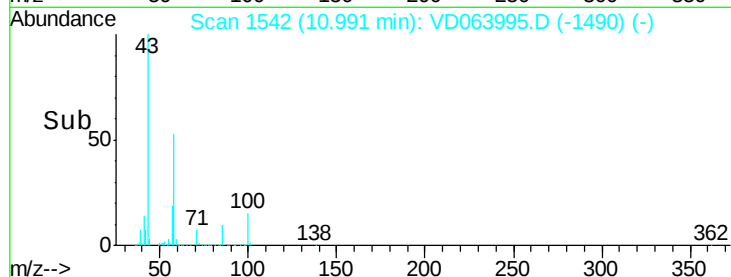
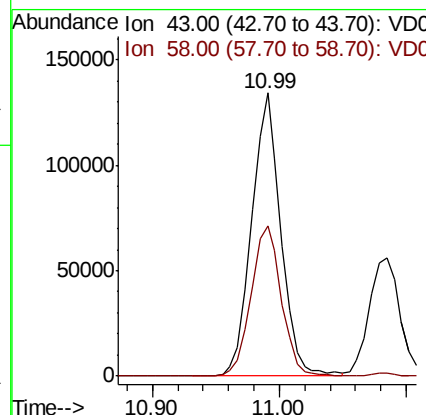
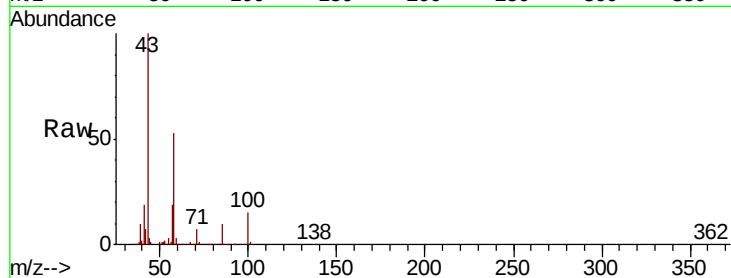




#59
2-Hexanone
Concen: 254.845 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD063995.D
Acq: 17 Oct 2019 10:12

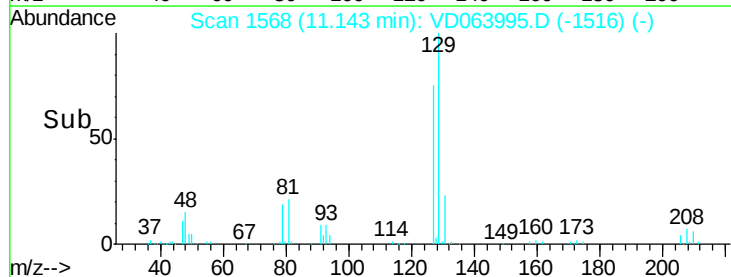
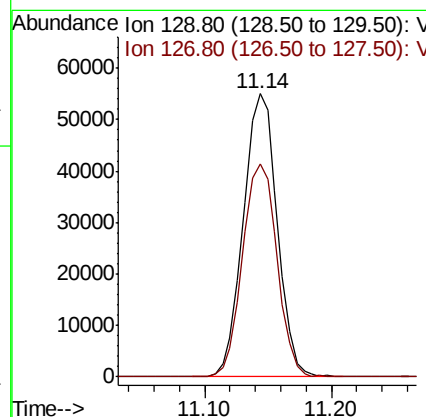
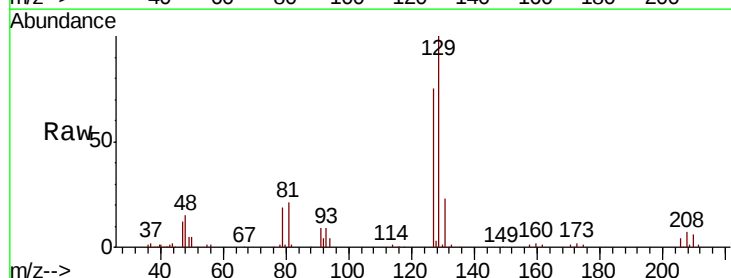
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

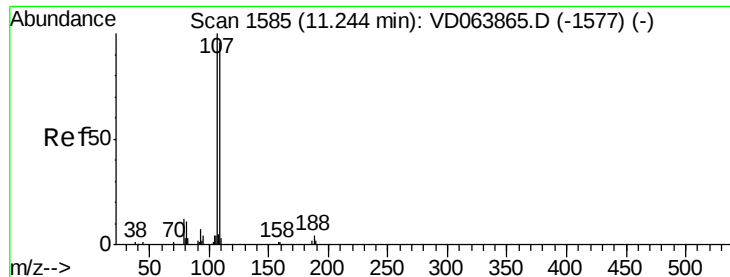
Tot Ion: 43 Resp: 214856
Ion Ratio Lower Upper
43 100
58 55.4 27.7 83.0



#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





#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 :

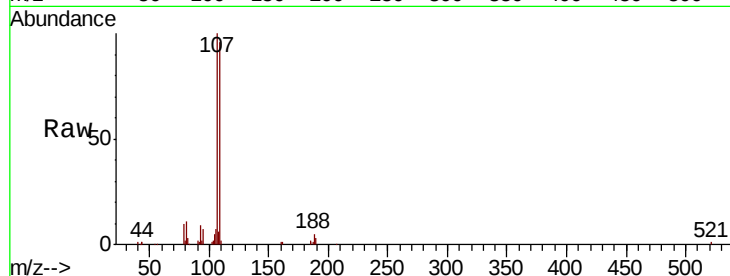
VSTDCCC050

Tot Ion:107 Resp: 76167

Ion Ratio Lower Upper

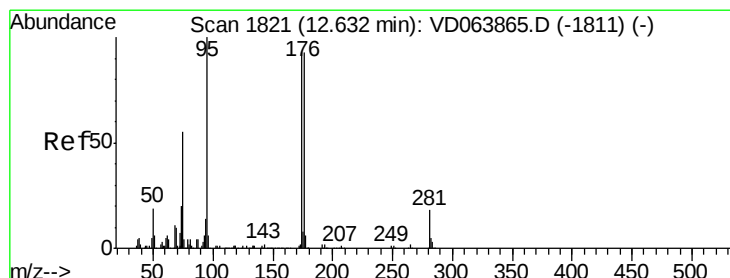
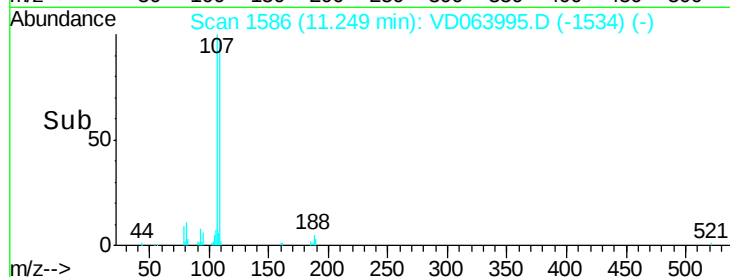
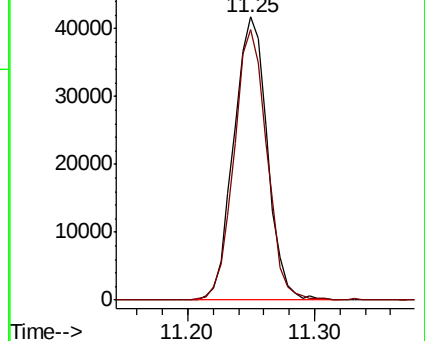
107 100

109 93.5 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#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

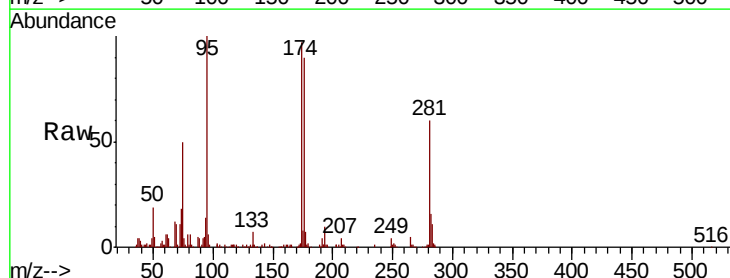
Tgt Ion: 95 Resp: 134445

Ion Ratio Lower Upper

95 100

174 96.5 0.0 186.4

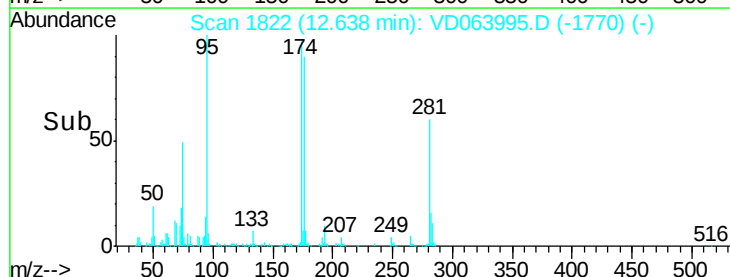
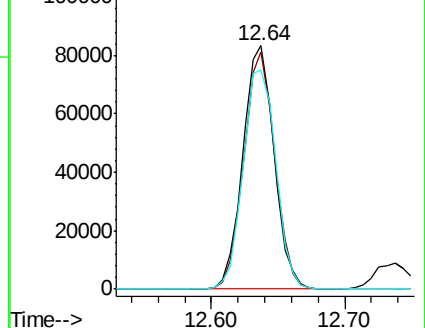
176 94.1 0.0 184.2

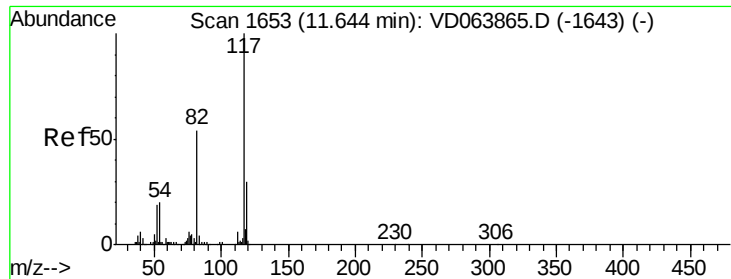


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

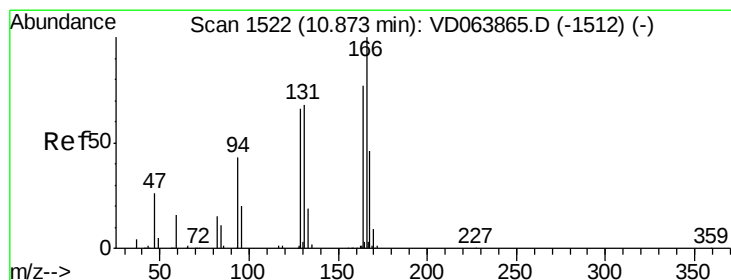
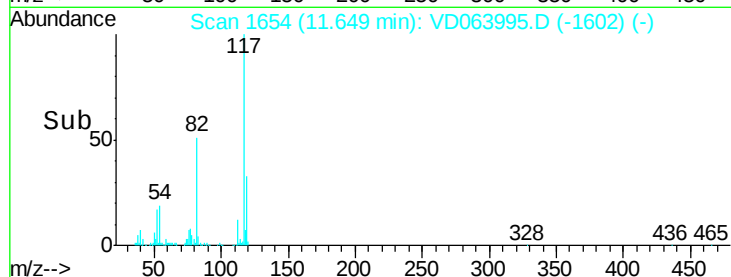
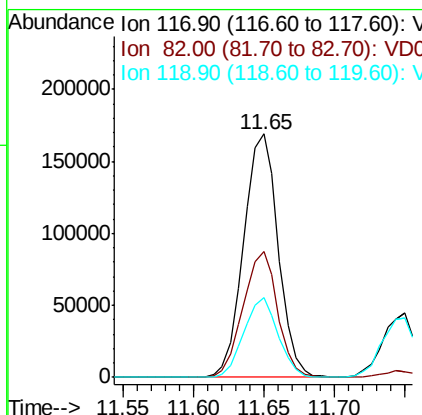
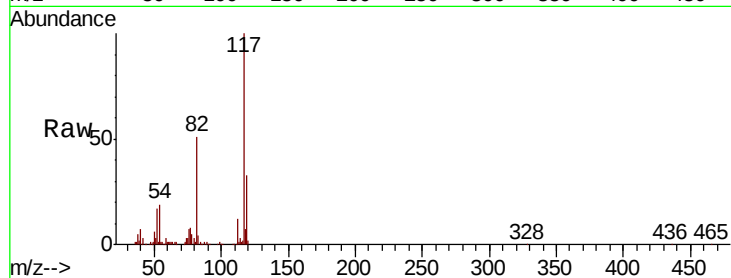




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD063995.D
Acq: 17 Oct 2019 10:12

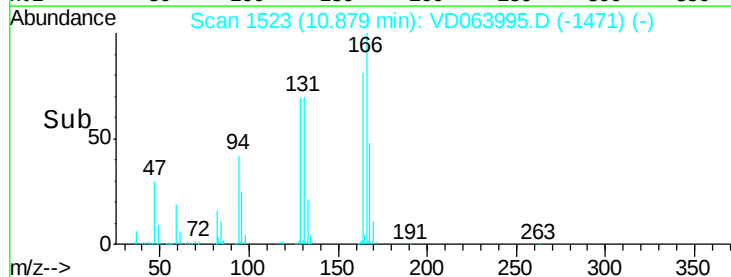
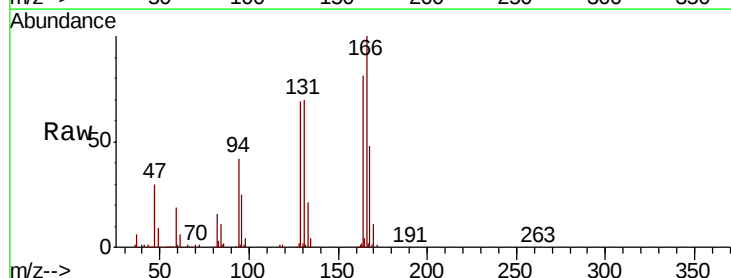
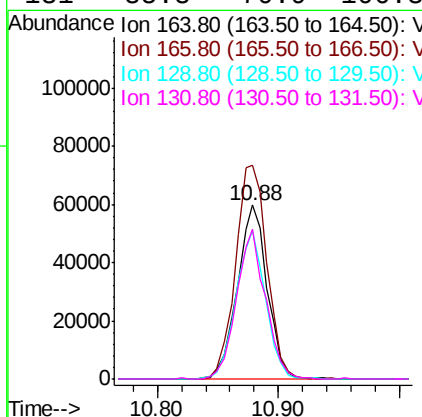
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

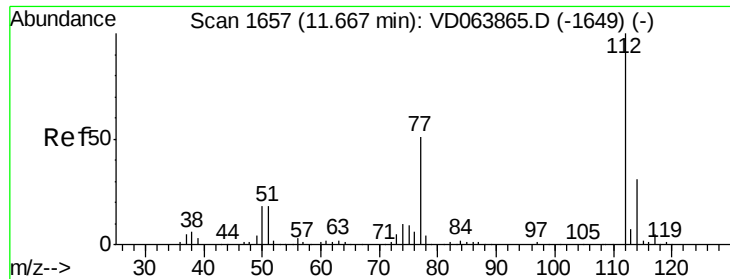
Tot Ion:117 Resp: 289530
Ion Ratio Lower Upper
117 100
82 51.3 42.8 64.2
119 32.5 24.4 36.6



#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

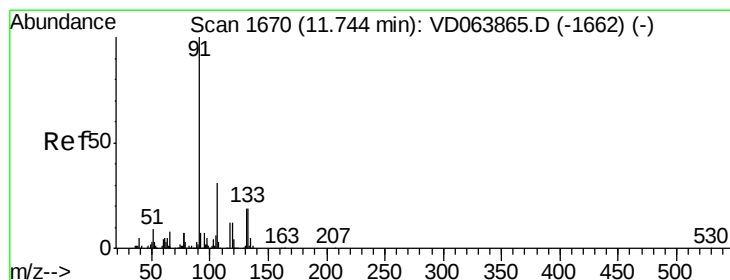
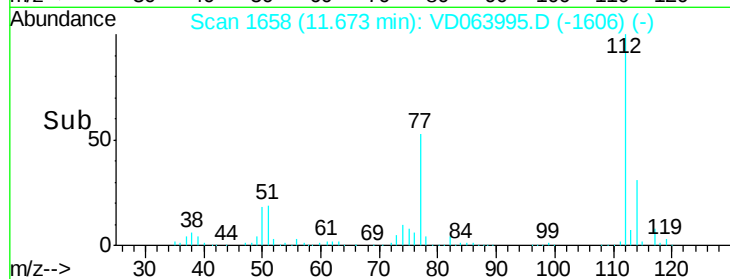
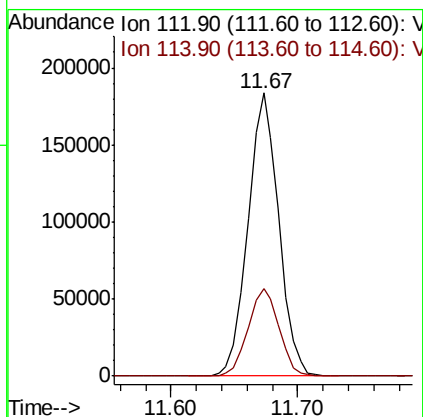
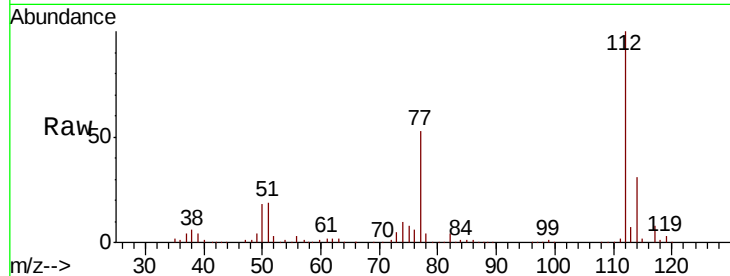




#65
Chlorobenzene
Concen: 53.351 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD063995.D
Acq: 17 Oct 2019 10:12

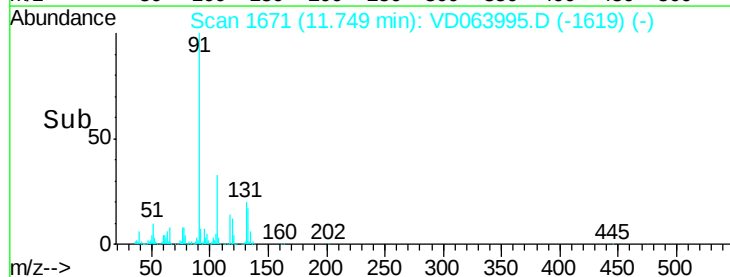
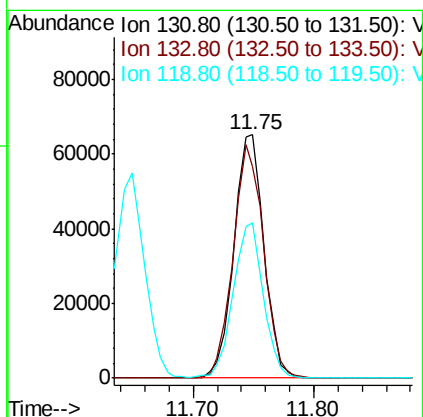
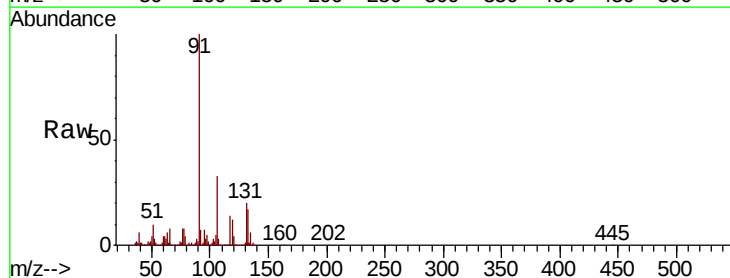
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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

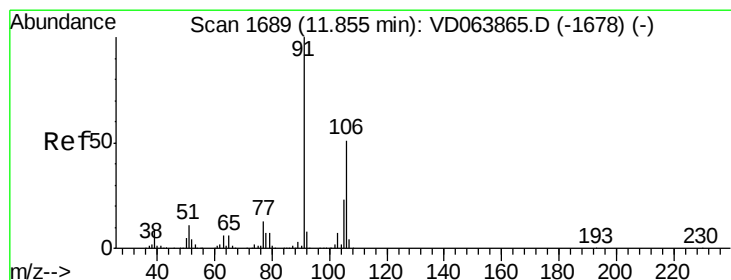
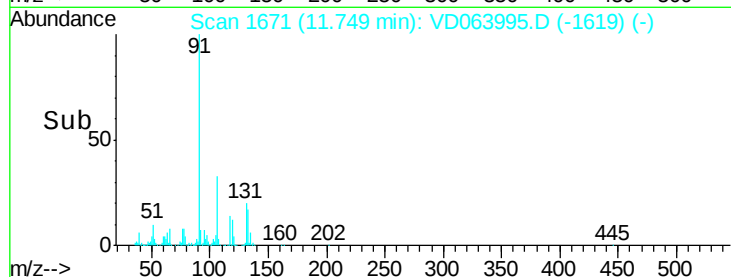
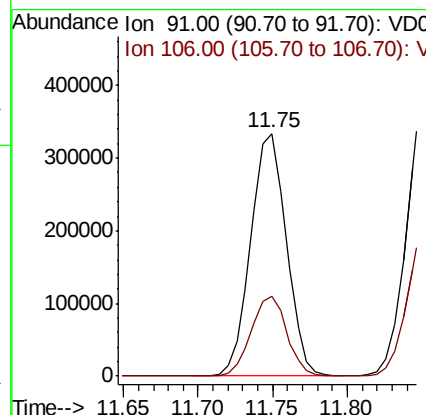
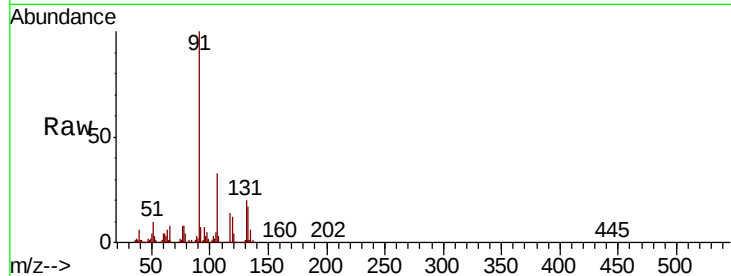




#67
Ethyl Benzene
Concen: 52.643 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD063995.D
Acq: 17 Oct 2019 10:12

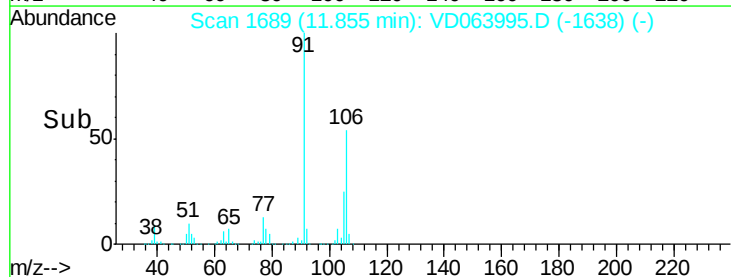
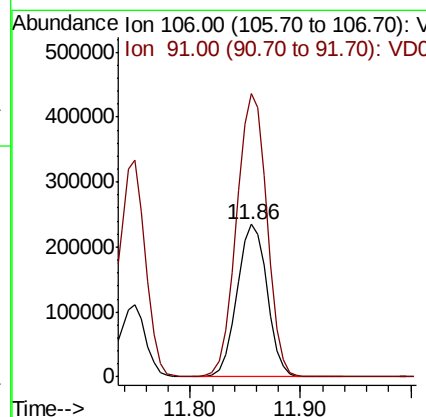
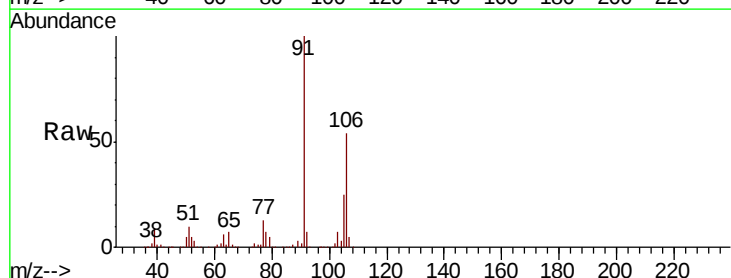
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 551947
Ion Ratio Lower Upper
91 100
106 33.2 24.6 37.0



#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

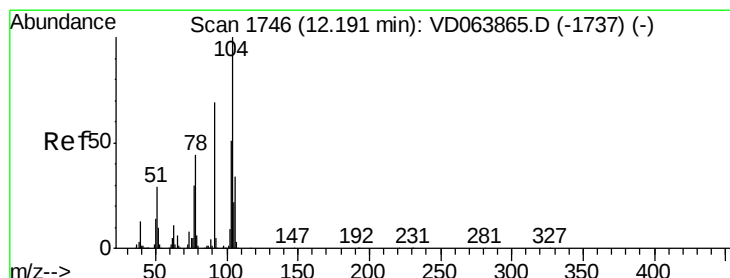
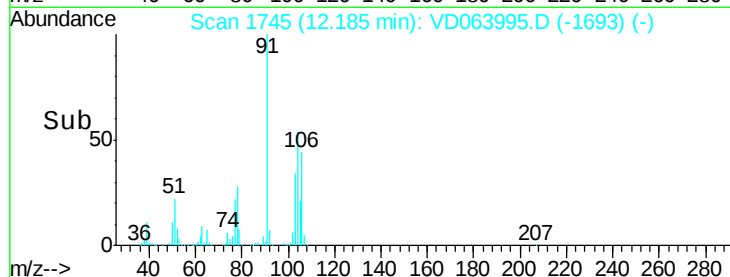
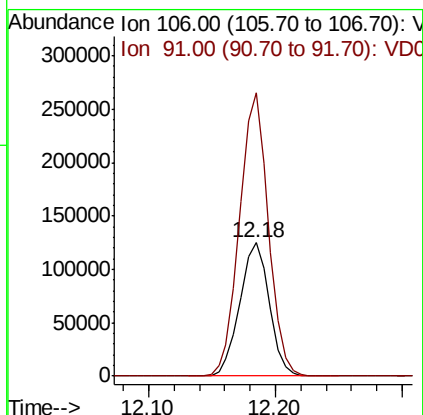
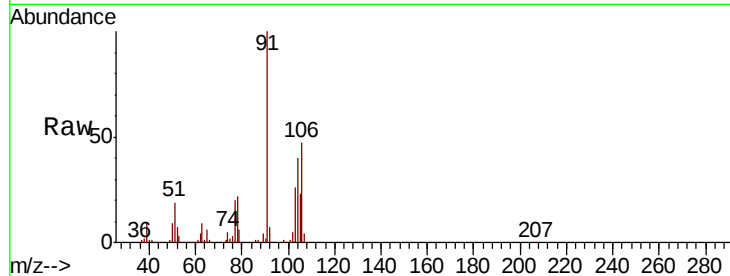




#69
o-Xylene
Concen: 52.047 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD063995.D
Acq: 17 Oct 2019 10:12

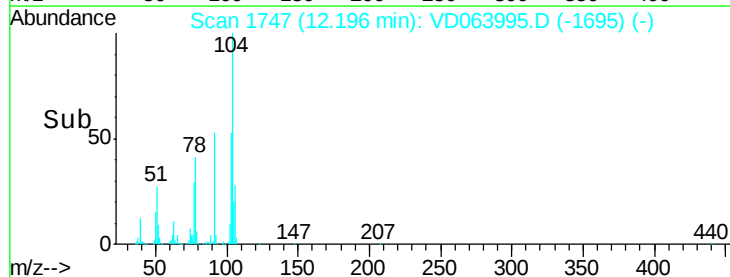
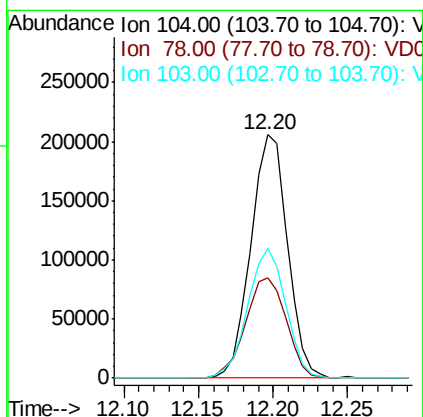
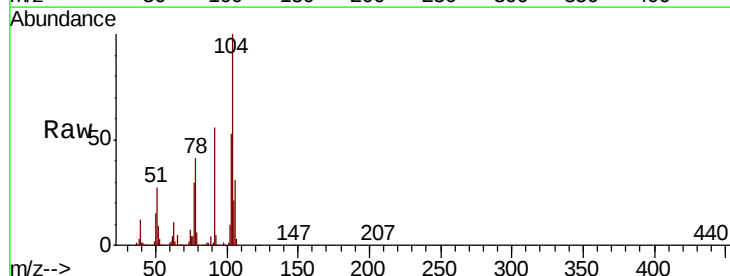
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

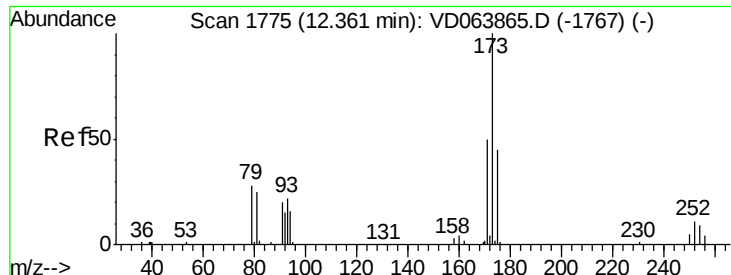
Tot Ion:106 Resp: 201686
Ion Ratio Lower Upper
106 100
91 207.1 103.9 311.7



#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 :

VSTDCCC050

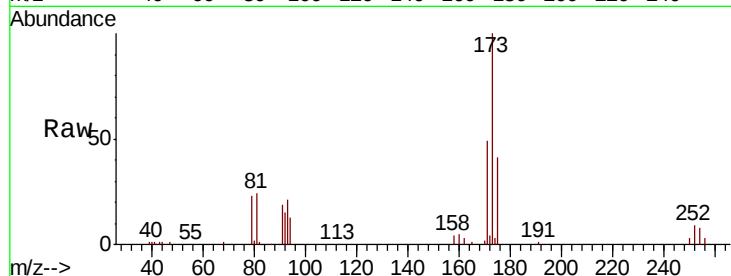
Tot Ion:173 Resp: 64383

Ion Ratio Lower Upper

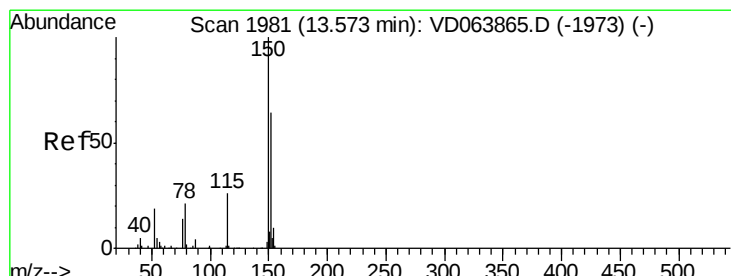
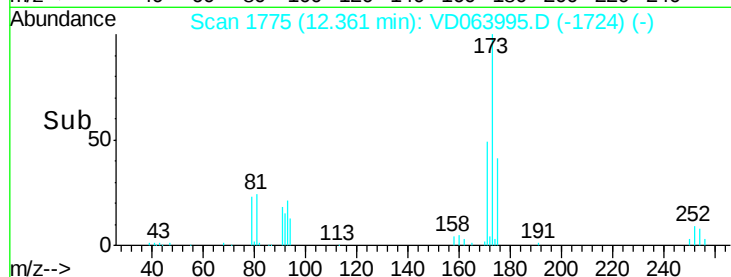
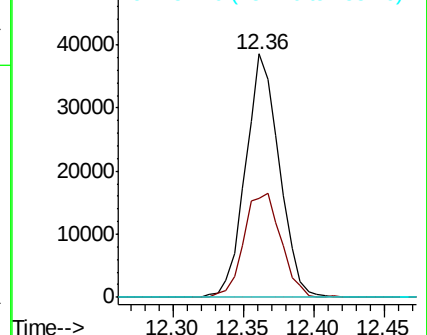
173 100

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

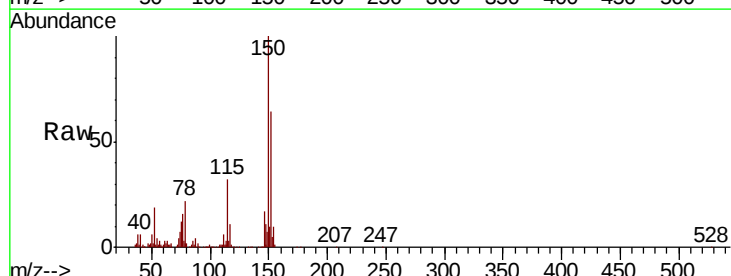
Tgt Ion:152 Resp: 170655

Ion Ratio Lower Upper

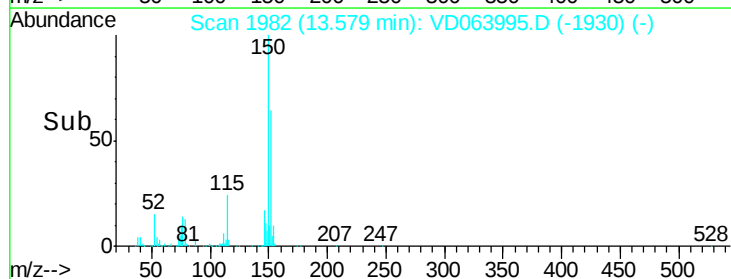
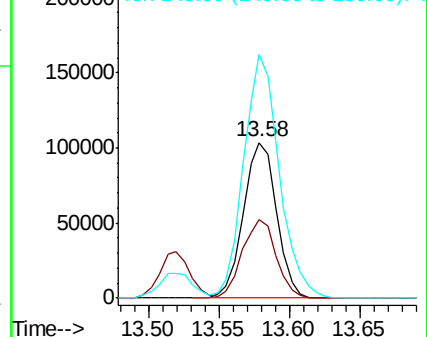
152 100

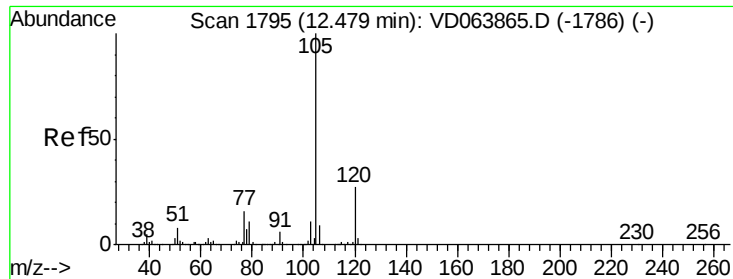
115 51.1 25.9 77.7

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 :

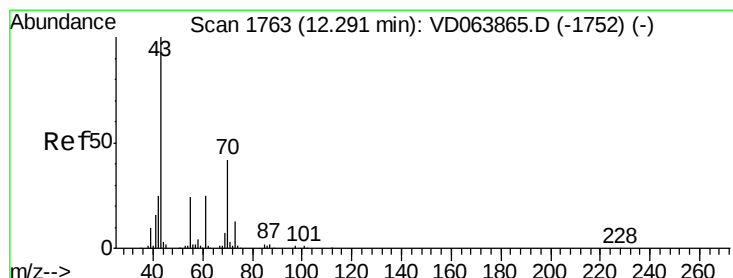
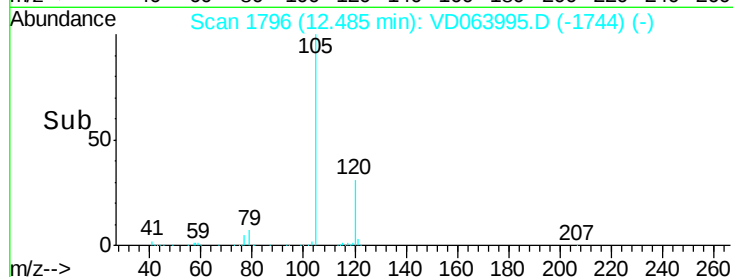
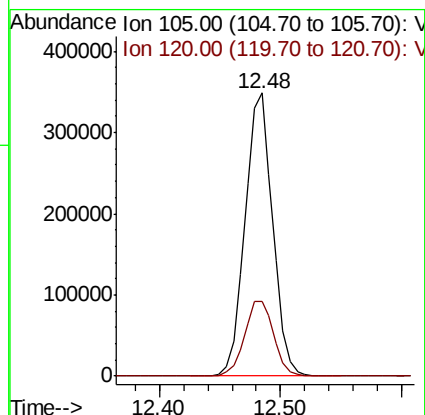
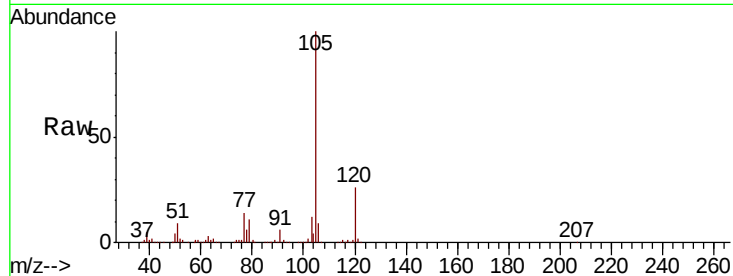
VSTDCCC050

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

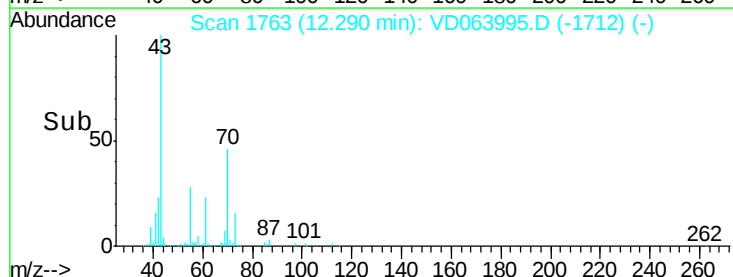
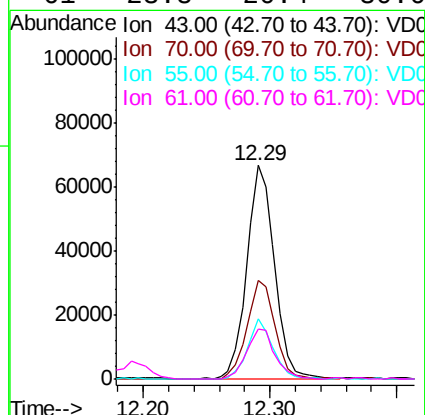
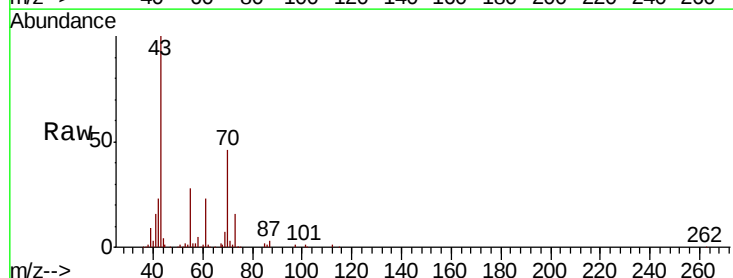
Ion Ratio Lower Upper

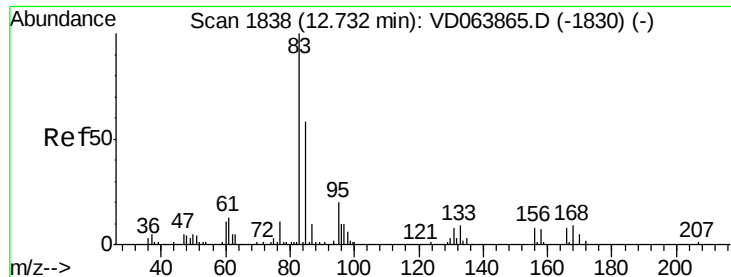
43 100

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 :

VSTDCCC050

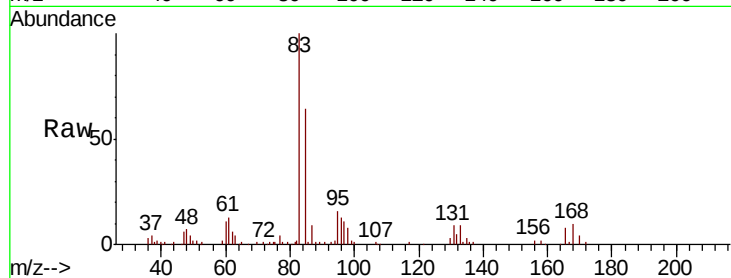
Tot Ion: 83 Resp: 87593

Ion Ratio Lower Upper

83 100

131 11.8 5.6 16.8

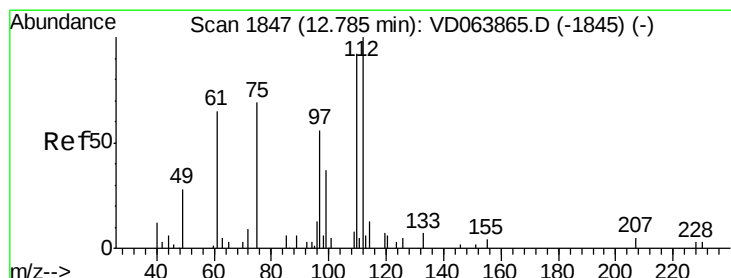
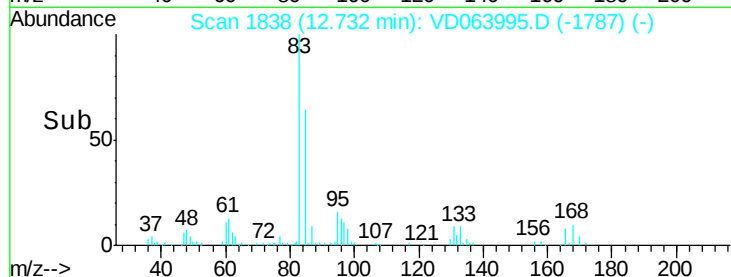
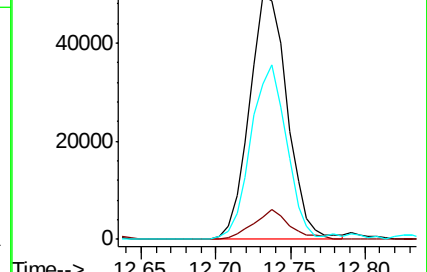
85 67.2 32.3 96.8



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: 53.597 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD063995.D

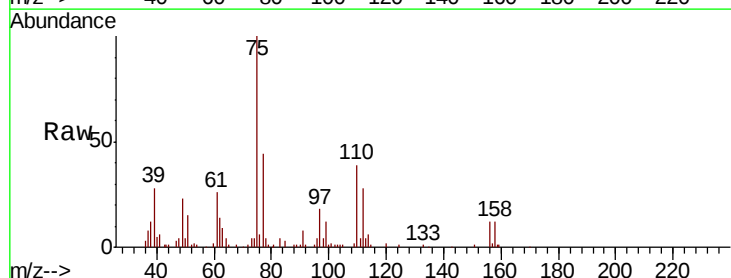
Acq: 17 Oct 2019 10:12

Tgt Ion: 75 Resp: 61261

Ion Ratio Lower Upper

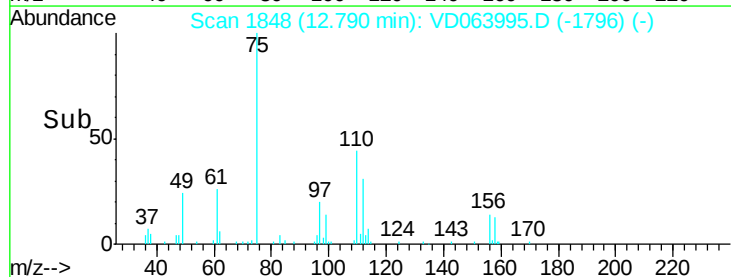
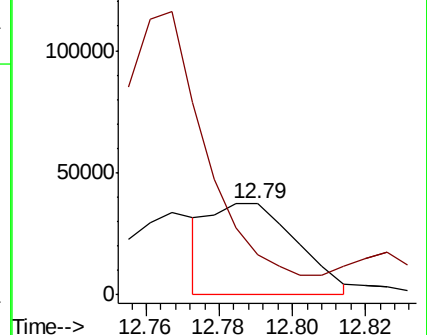
75 100

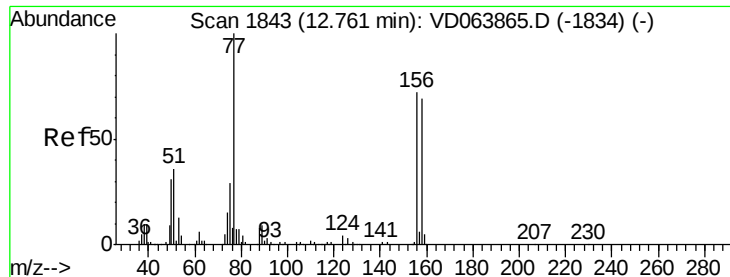
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 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 :

VSTDCCC050

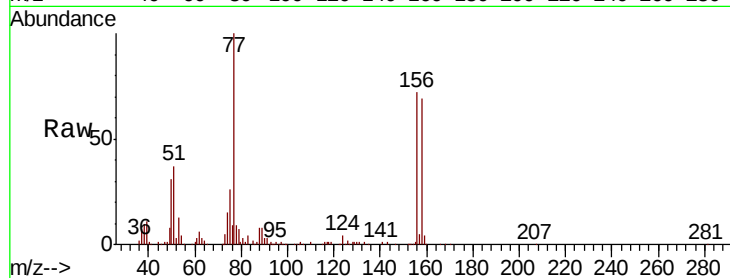
Tot Ion:156 Resp: 136188

Ion Ratio Lower Upper

156 100

77 154.6 80.3 241.0

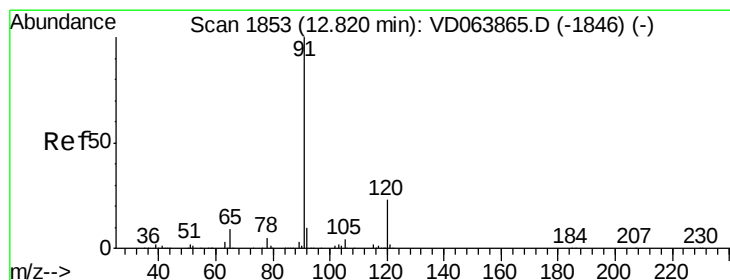
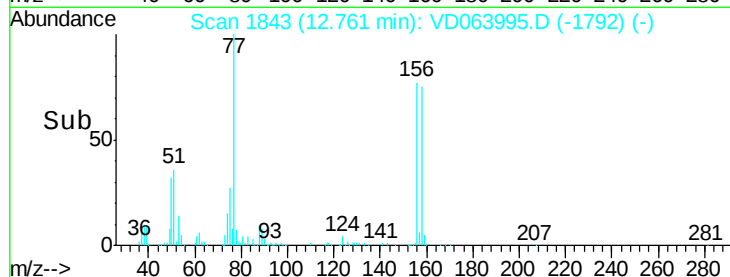
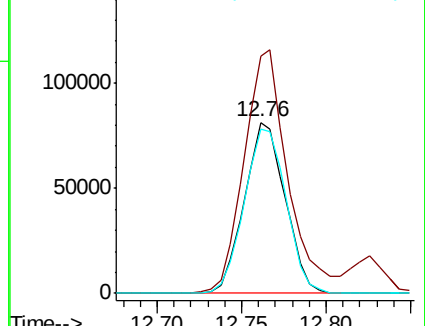
158 99.4 47.4 142.2



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

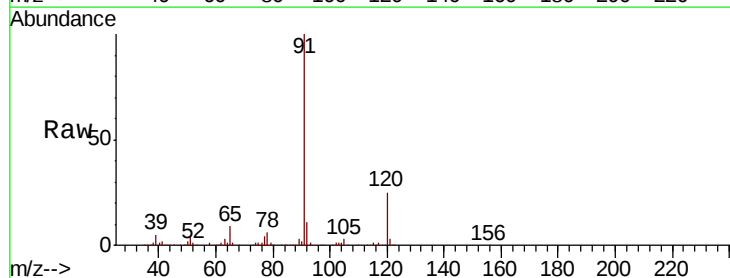
Acq: 17 Oct 2019 10:12

Tgt Ion: 91 Resp: 669016

Ion Ratio Lower Upper

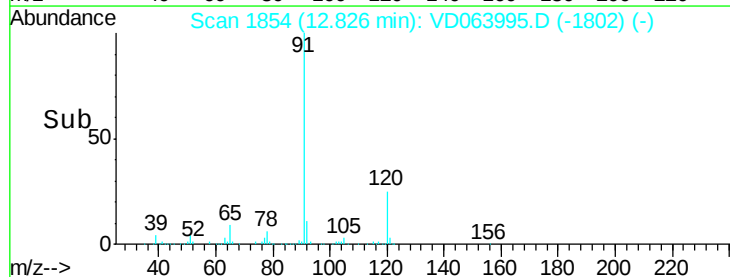
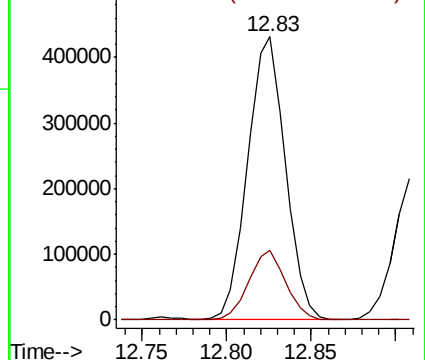
91 100

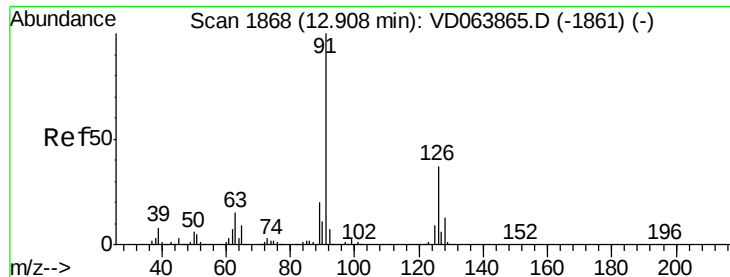
120 24.0 12.0 36.0



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 :

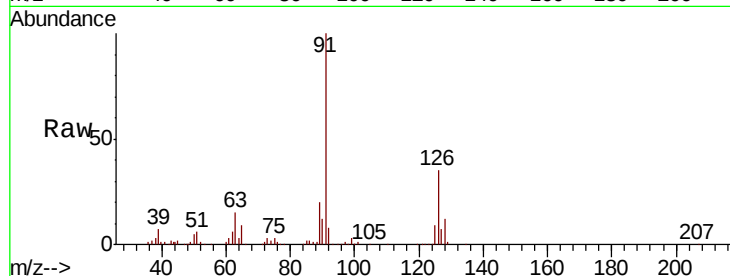
VSTDCCC050

Tot Ion: 91 Resp: 356244

Ion Ratio Lower Upper

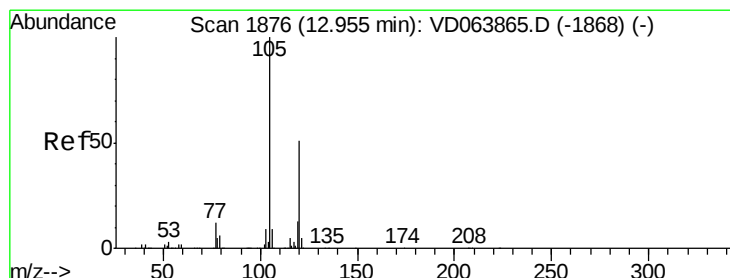
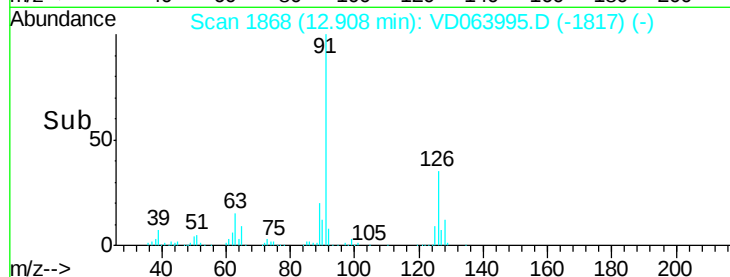
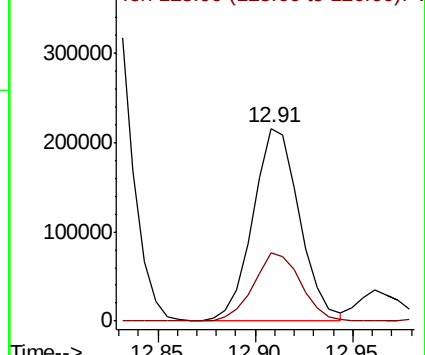
91 100

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

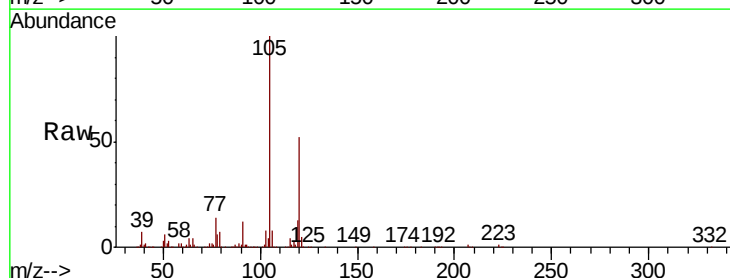
Acq: 17 Oct 2019 10:12

Tgt Ion:105 Resp: 464616

Ion Ratio Lower Upper

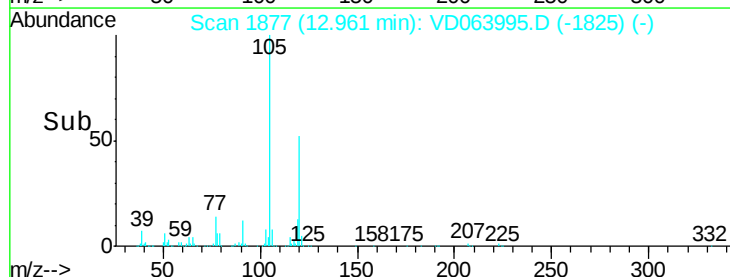
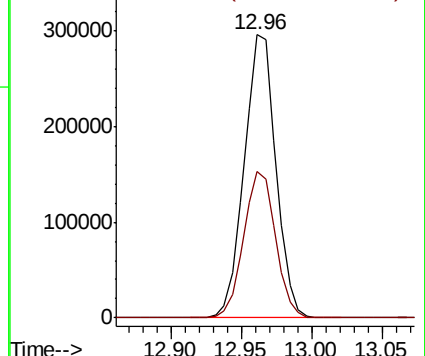
105 100

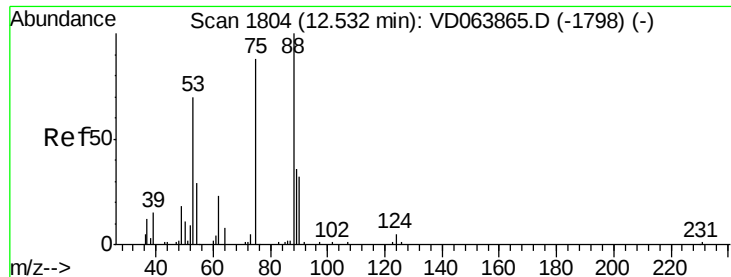
120 52.2 25.9 77.8



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 :

VSTDCCC050

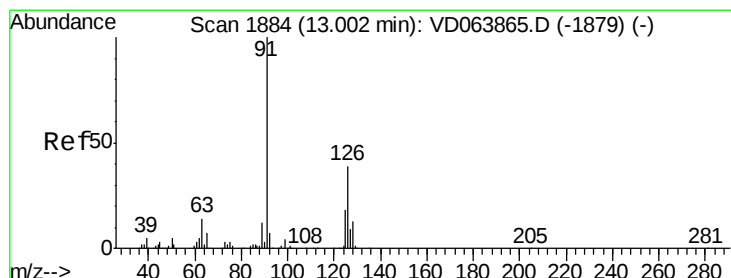
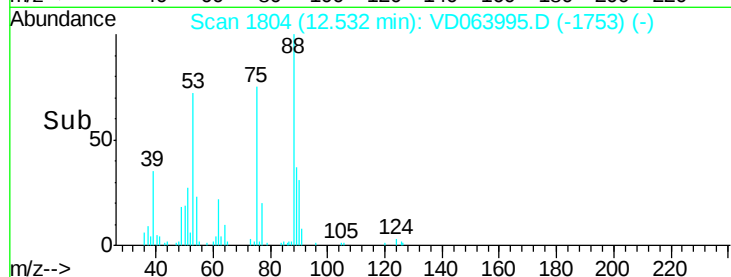
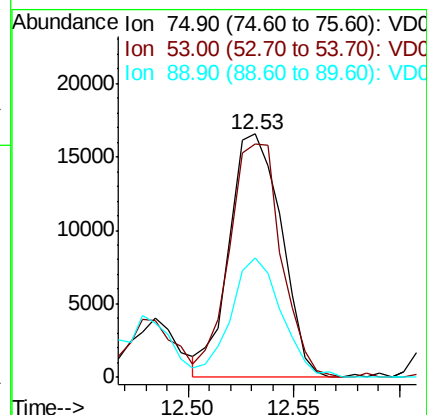
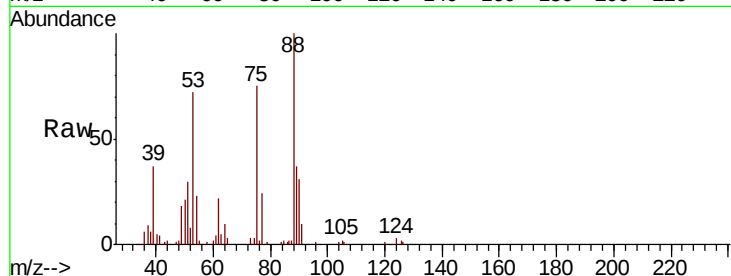
Tot Ion: 75 Resp: 28374

Ion Ratio Lower Upper

75 100

53 95.9 75.0 112.6

89 47.6 38.2 57.4



#82

4-Chlorotoluene

Concen: 46.784 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VD063995.D

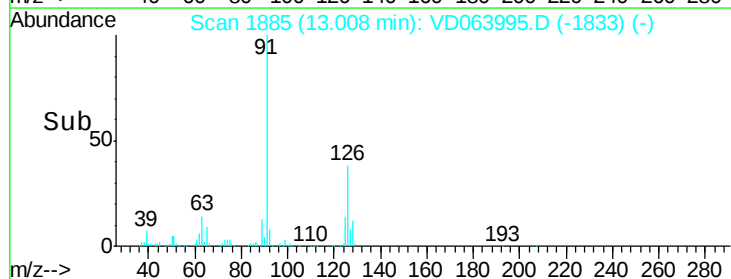
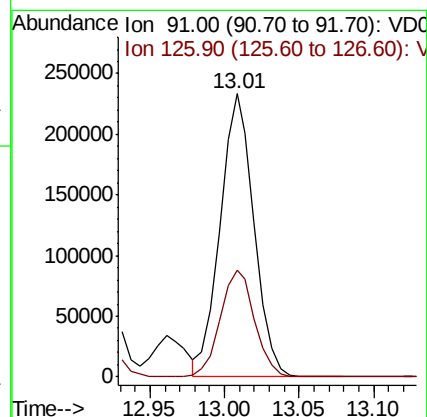
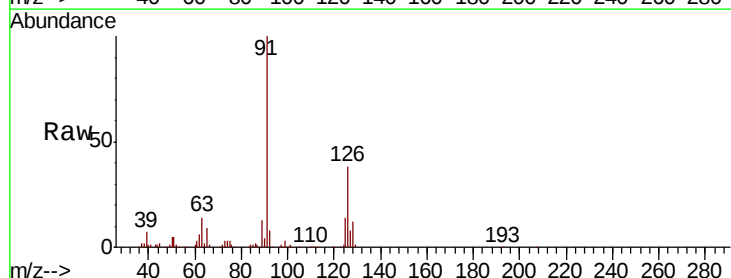
Acq: 17 Oct 2019 10:12

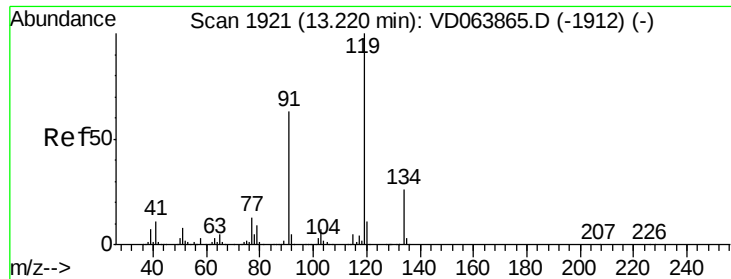
Tgt Ion: 91 Resp: 368502

Ion Ratio Lower Upper

91 100

126 38.5 18.6 55.8

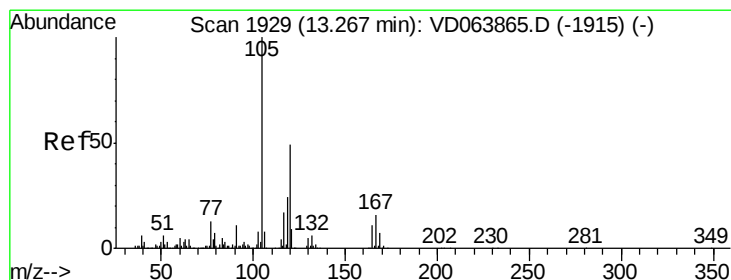
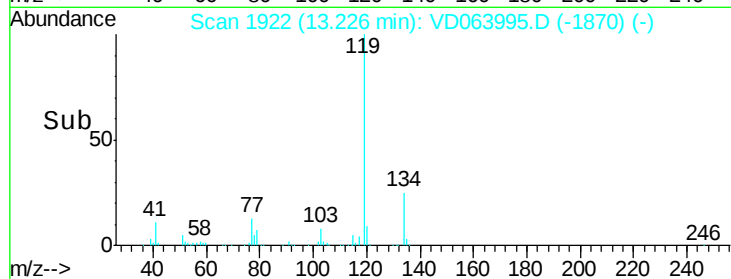
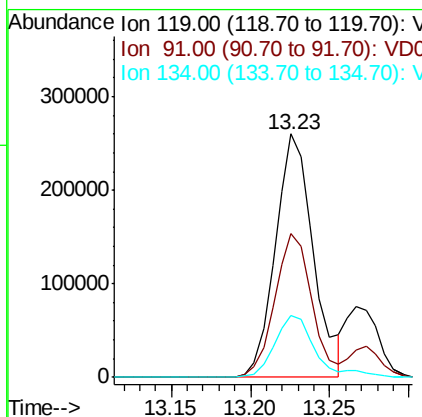
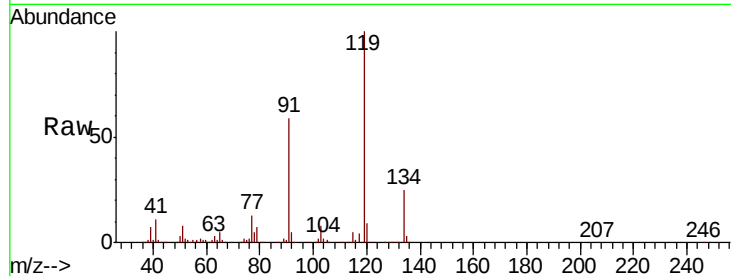




#83
tert-Butylbenzene
Concen: 50.619 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.01 min
Lab File: VD063995.D
Acq: 17 Oct 2019 10:12

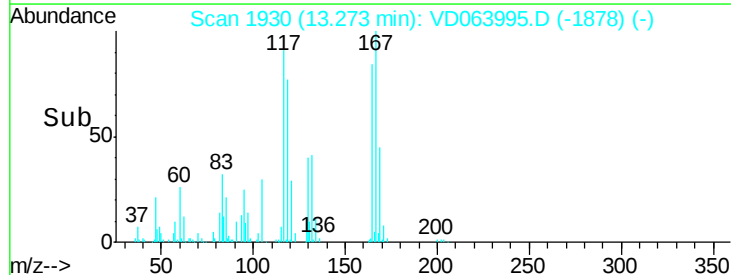
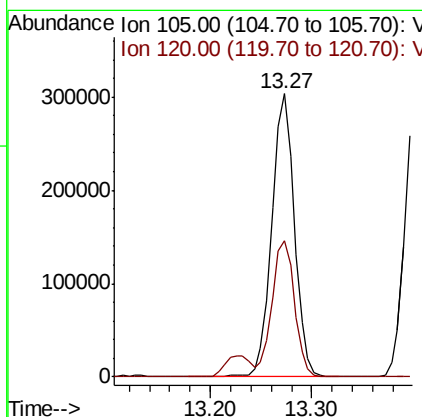
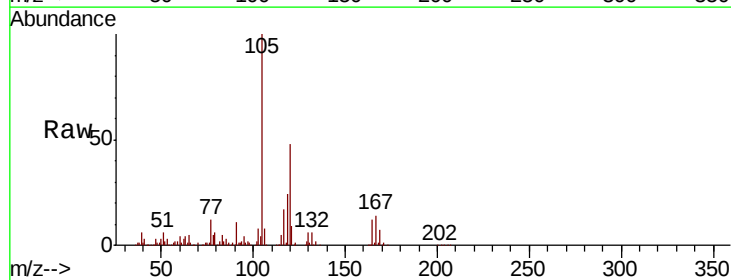
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

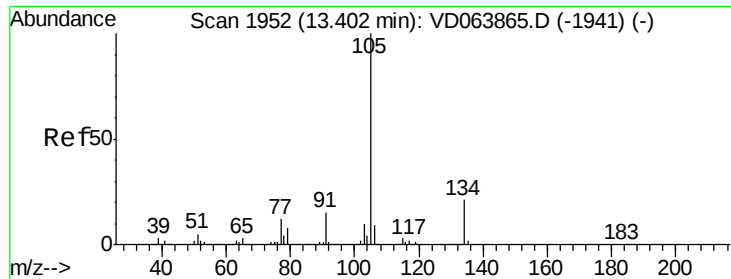
Tot Ion:119 Resp: 431176
Ion Ratio Lower Upper
119 100
91 57.8 30.0 90.0
134 27.3 13.0 38.9



#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 :

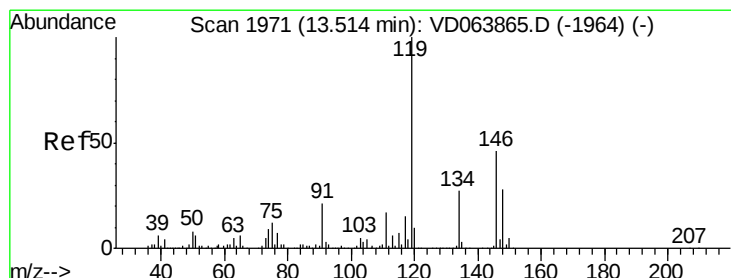
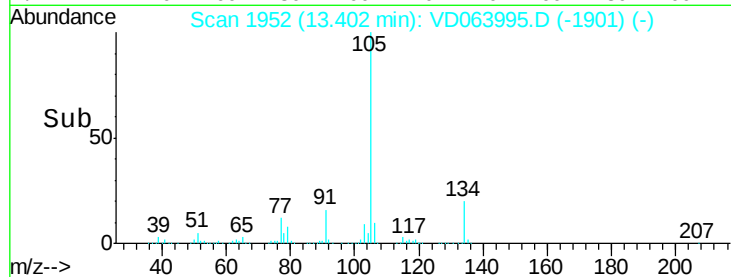
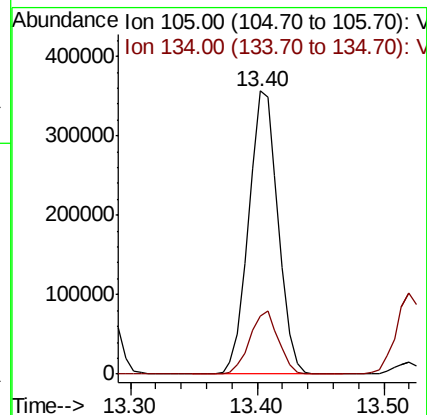
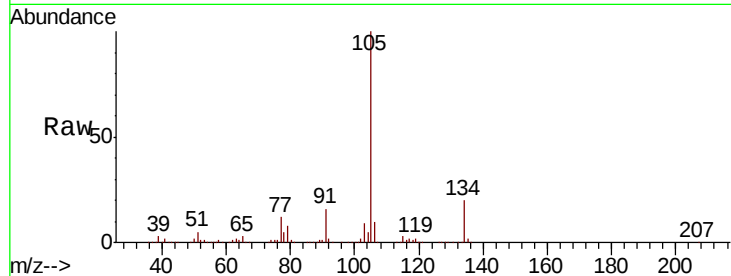
VSTDCCC050

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

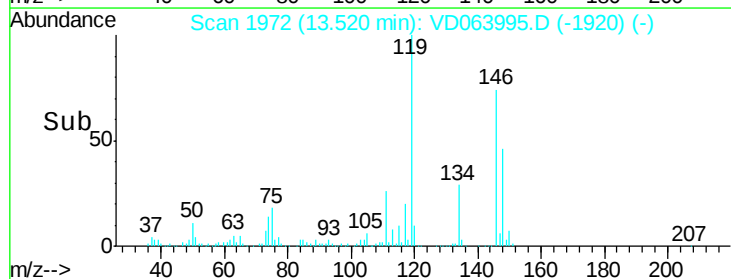
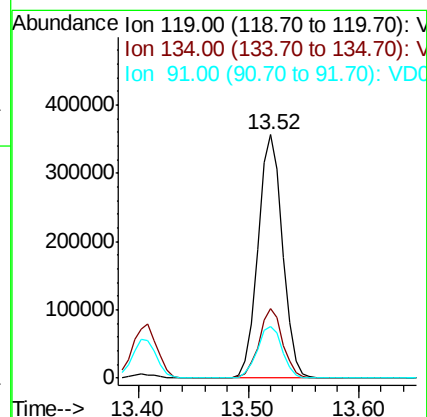
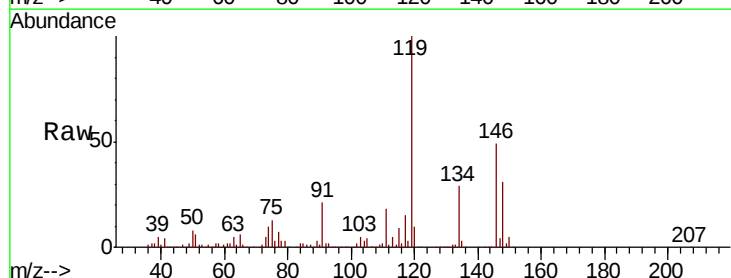
Tgt Ion:119 Resp: 554327

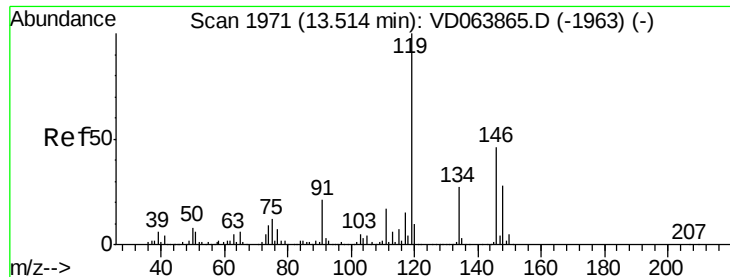
Ion Ratio Lower Upper

119 100

134 27.6 13.9 41.6

91 21.8 11.2 33.5

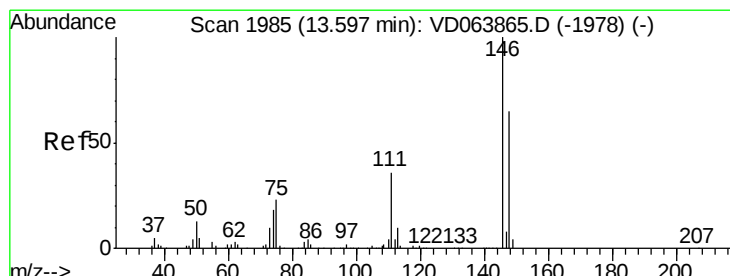
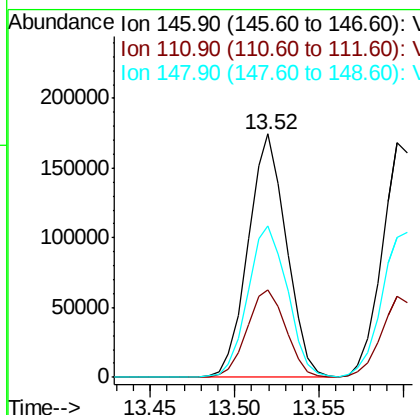
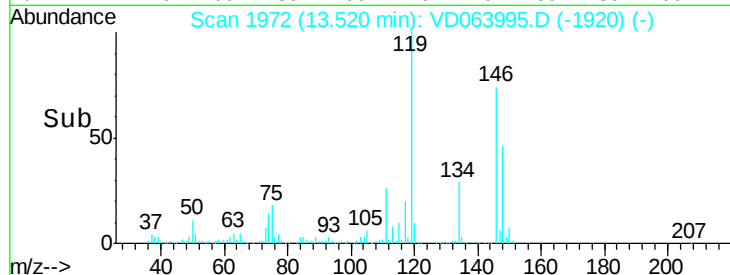
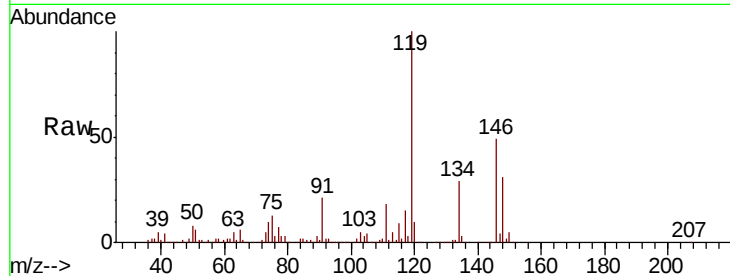




#87
 1,3-Dichlorobenzene
 Concen: 48.871 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD063995.D
 Acq: 17 Oct 2019 10:12

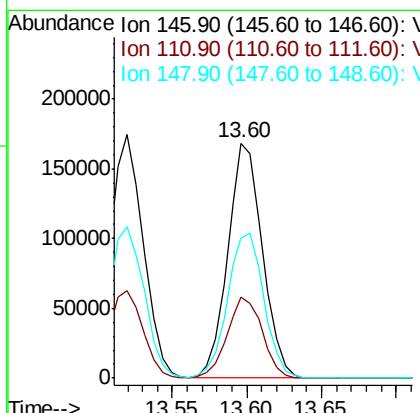
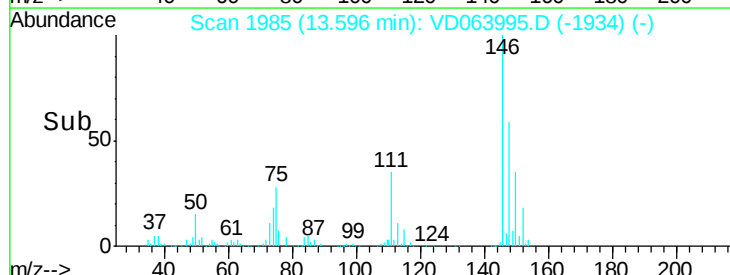
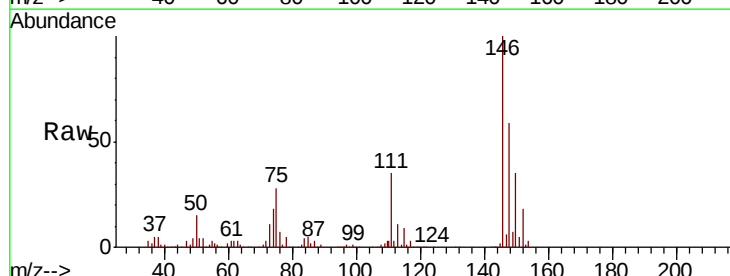
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

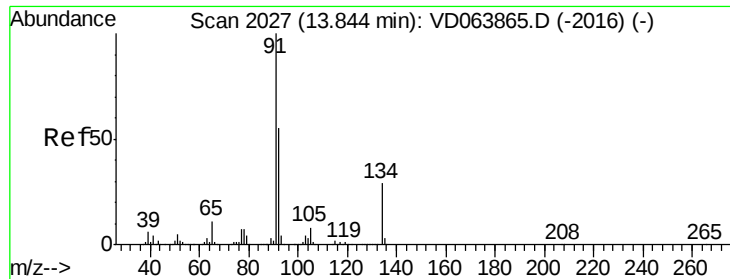
Tot Ion:146 Resp: 276000
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.3 54.9
 148 64.0 31.8 95.4



#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

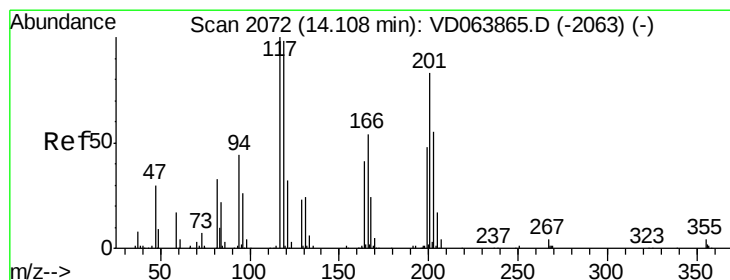
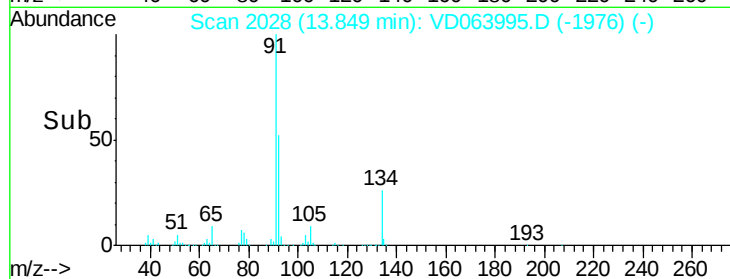
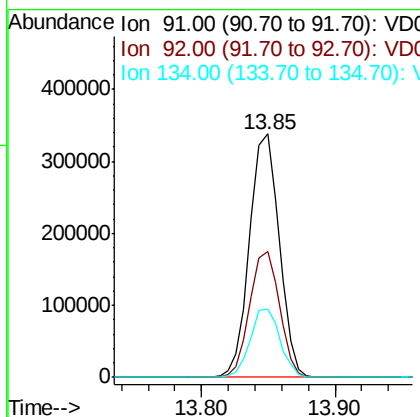
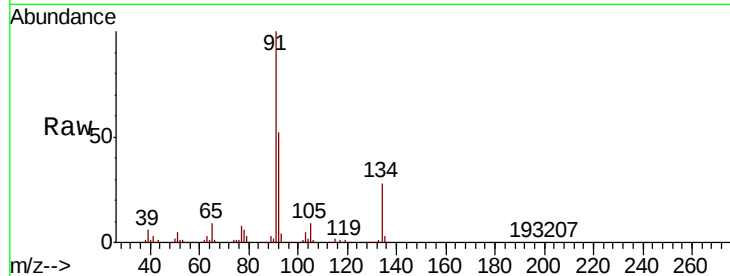




#89
n-Butylbenzene
Concen: 51.208 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD063995.D
Acq: 17 Oct 2019 10:12

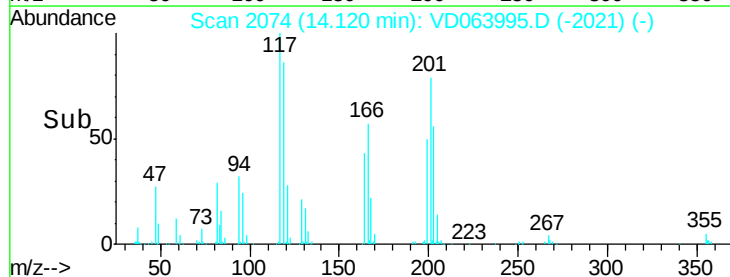
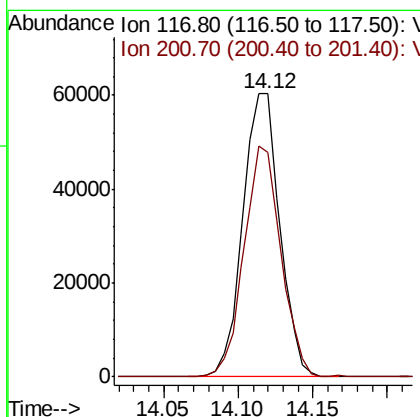
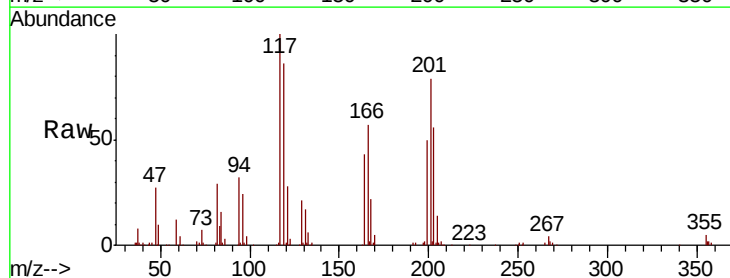
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

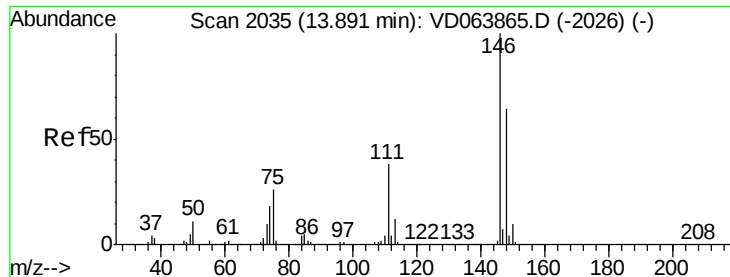
Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.8	80.3
134	28.1	14.4	43.0



#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

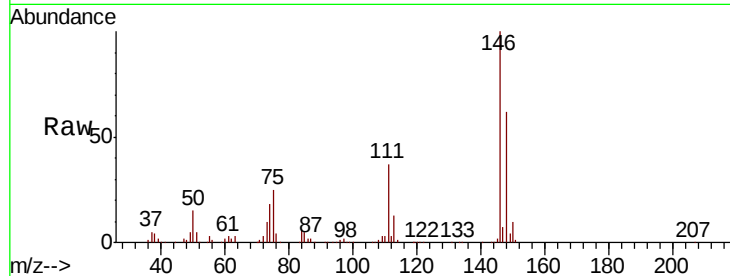




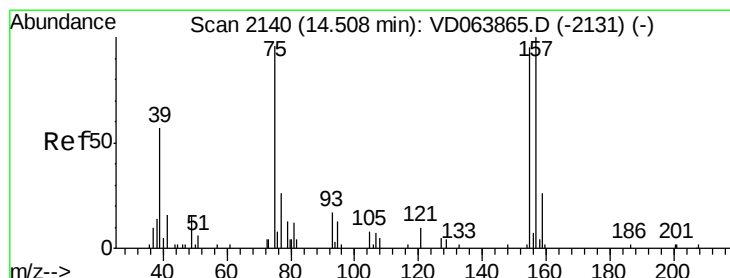
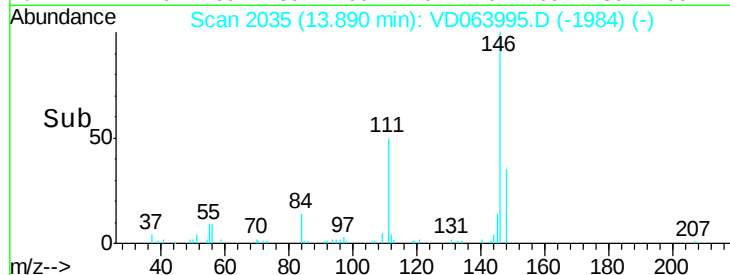
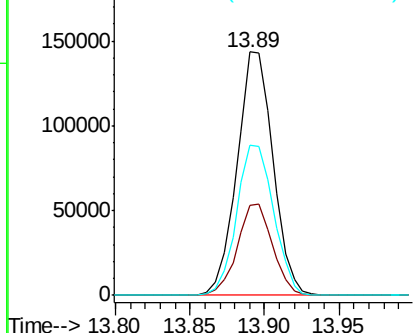
#91
 1,2-Dichlorobenzene
 Concen: 49.503 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD063995.D
 Acq: 17 Oct 2019 10:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.6	55.6
148	63.4	31.6	95.0

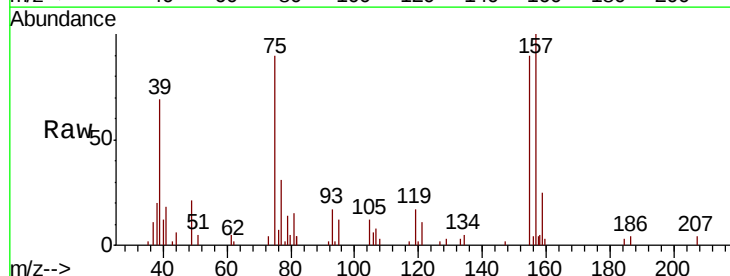


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

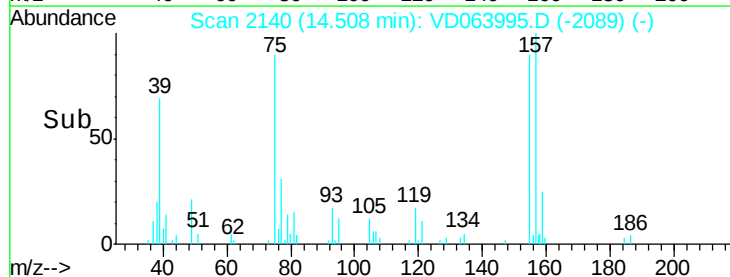
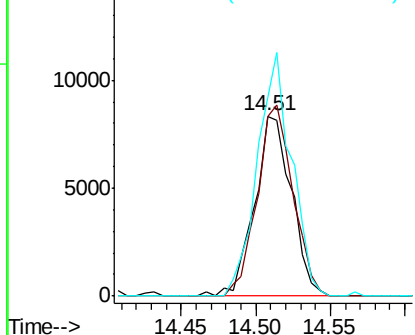


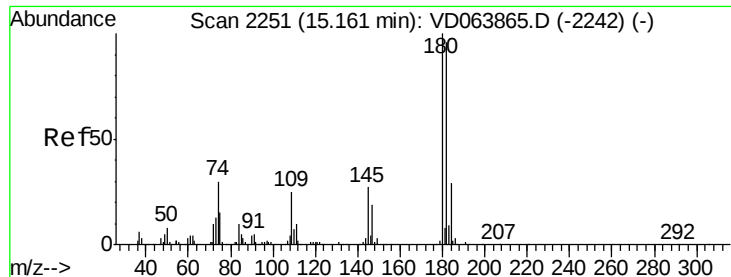
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.753 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD063995.D
 Acq: 17 Oct 2019 10:12

Tgt Ion	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

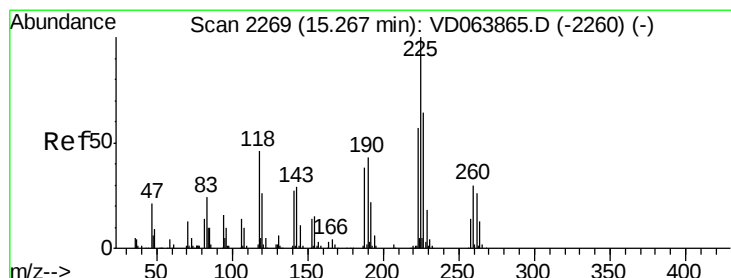
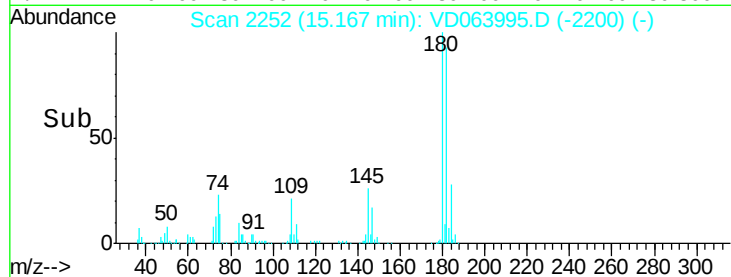
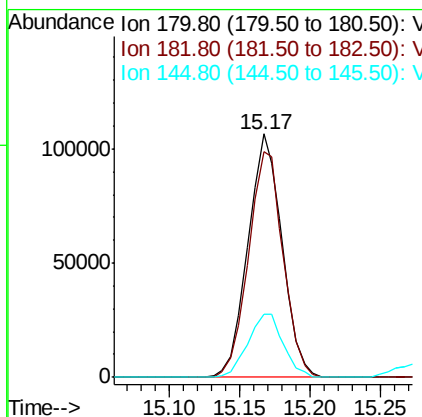
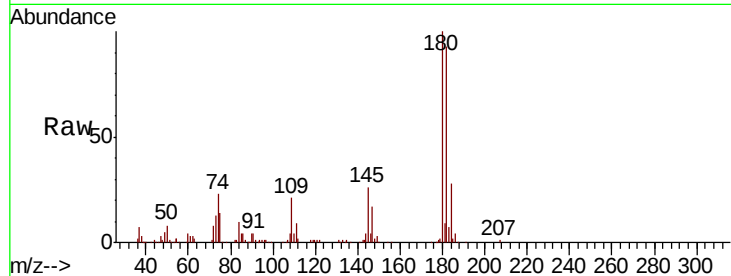




#93
 1,2,4-Trichlorobenzene
 Concen: 47.943 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD063995.D
 Acq: 17 Oct 2019 10:12

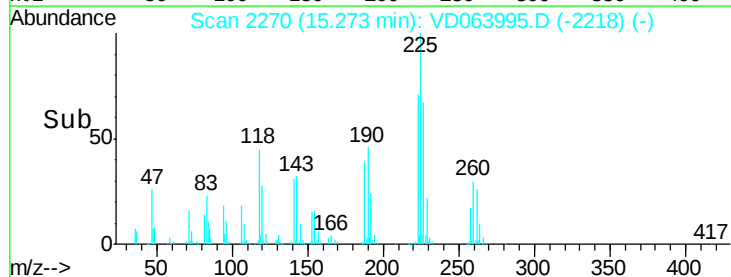
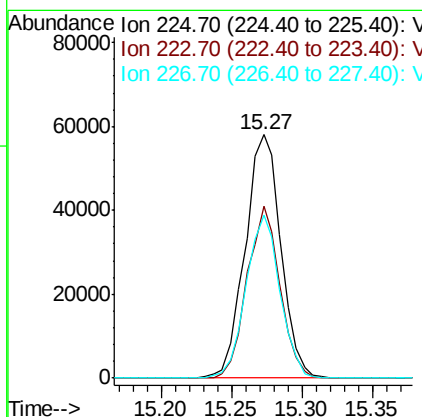
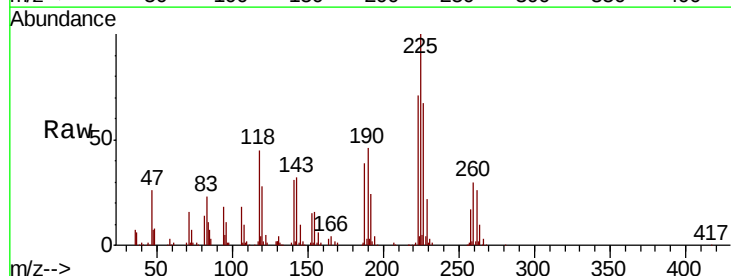
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

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 :

VSTDCCC050

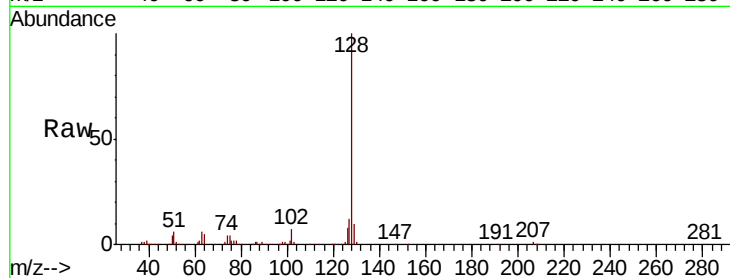
Tot Ion:128 Resp: 296584

Ion Ratio Lower Upper

128 100

127 12.7 10.6 16.0

129 10.5 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

200000

150000

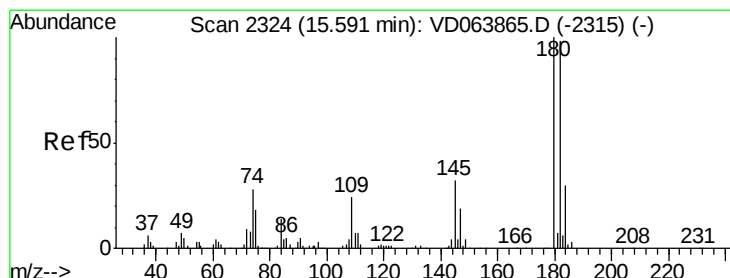
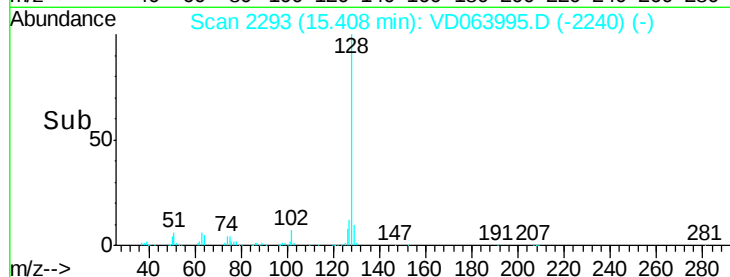
100000

50000

0

15.35 15.40 15.45

Time-->



#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

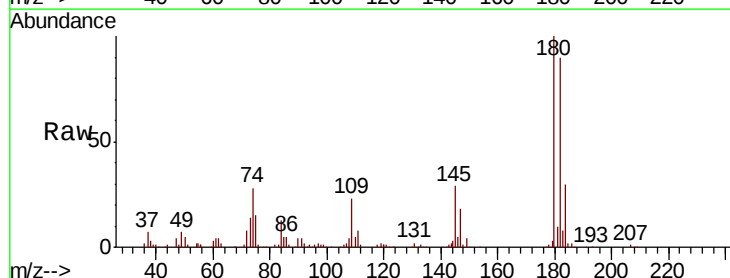
Tgt Ion:180 Resp: 152380

Ion Ratio Lower Upper

180 100

182 94.3 47.0 141.0

145 30.7 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

100000

80000

60000

40000

20000

0

15.50 15.60

Time-->

