

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD100219\
 Data File : VD063865.D
 Acq On : 02 Oct 2019 17:44
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00g/5.00mL/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Quant Time: Oct 03 03:31:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 03 03:24:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	204569	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	331550	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	330483	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	180294	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	99331	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
35) Dibromofluoromethane	7.91	113	99577	47.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.52%	
50) Toluene-d8	10.34	98	406134	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
62) 4-Bromofluorobenzene	12.63	95	143824	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	64371	45.082	ug/l	100
3) Chloromethane	2.21	50	205375	47.574	ug/l	100
4) Vinyl Chloride	2.34	62	224850	50.909	ug/l	100
5) Bromomethane	2.76	94	143047	54.781	ug/l	100
6) Chloroethane	2.92	64	145431	47.948	ug/l	100
7) Trichlorofluoromethane	3.27	101	294818	49.946	ug/l	100
8) Diethyl Ether	3.71	74	48600	49.758	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.08	101	79327	45.979	ug/l	100
10) Methyl Iodide	4.29	142	117040	55.717	ug/l	100
11) Tert butyl alcohol	5.26	59	34318	225.299	ug/l	100
12) 1,1-Dichloroethene	4.06	96	80435	46.018	ug/l	100
13) Acrolein	3.93	56	44888	245.243	ug/l	100
14) Allyl chloride	4.71	41	136794	48.990	ug/l	100
15) Acrylonitrile	5.43	53	107375	252.129	ug/l	100
16) Acetone	4.17	43	142096	308.795	ug/l	100
17) Carbon Disulfide	4.39	76	297511	49.931	ug/l	100
18) Methyl Acetate	4.72	43	47892	44.760	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	215627	49.004	ug/l	100
20) Methylene Chloride	4.96	84	112296	42.790	ug/l	100
21) trans-1,2-Dichloroethene	5.47	96	101922	49.661	ug/l	100
22) Diisopropyl ether	6.37	45	284649	49.692	ug/l	100
23) Vinyl Acetate	6.31	43	860257	252.471	ug/l	100
24) 1,1-Dichloroethane	6.26	63	177269	50.688	ug/l	100
25) 2-Butanone	7.23	43	158924	272.013	ug/l	100
26) 2,2-Dichloropropane	7.21	77	154319	47.706	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	115942	50.604	ug/l	100
28) Bromochloromethane	7.55	49	68286	50.772	ug/l	100
29) Tetrahydrofuran	7.57	42	83818	245.525	ug/l	100
30) Chloroform	7.71	83	185452	49.073	ug/l	100
31) Cyclohexane	7.99	56	152766	44.501	ug/l	100
32) 1,1,1-Trichloroethane	7.90	97	161395	47.363	ug/l	100
36) 1,1-Dichloropropene	8.11	75	142505	47.526	ug/l	100
37) Ethyl Acetate	7.30	43	62649	48.949	ug/l	100
38) Carbon Tetrachloride	8.10	117	144712	46.691	ug/l	100

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 Quant Title : SW846 8260
 QLast Update : Thu Oct 03 03:24:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	177573	47.693	ug/l	100
40) Benzene	8.35	78	416356	50.081	ug/l	100
41) Methacrylonitrile	7.53	41	27707	38.283	ug/l	100
42) 1,2-Dichloroethane	8.43	62	121381	49.839	ug/l	100
43) Isopropyl Acetate	8.46	43	119033	47.136	ug/l	100
44) Trichloroethene	9.11	130	121605	50.412	ug/l	100
45) 1,2-Dichloropropane	9.39	63	101594	49.395	ug/l	100
46) Dibromomethane	9.47	93	59095	50.815	ug/l	100
47) Bromodichloromethane	9.66	83	149370	50.006	ug/l	100
48) Methyl methacrylate	9.46	41	54749	47.563	ug/l	100
49) 1,4-Dioxane	9.47	88	16664	1011.632	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	311911	243.534	ug/l	100
52) Toluene	10.40	92	287124	50.821	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	150701	50.863	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	168469	50.210	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	82436	50.350	ug/l	100
56) Ethyl methacrylate	10.66	69	105117	50.352	ug/l	100
57) 1,3-Dichloropropane	10.94	76	141803	50.633	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	228651	245.158	ug/l	100
59) 2-Hexanone	10.98	43	243756	262.437	ug/l	100
60) Dibromochloromethane	11.14	129	108822	50.308	ug/l	100
61) 1,2-Dibromoethane	11.24	107	83558	50.866	ug/l	100
64) Tetrachloroethene	10.87	164	106230	48.170	ug/l	100
65) Chlorobenzene	11.67	112	327549	49.535	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	118697	48.925	ug/l	100
67) Ethyl Benzene	11.74	91	577910	48.630	ug/l	100
68) m/p-Xylenes	11.86	106	455154	99.241	ug/l	100
69) o-Xylene	12.18	106	214096	49.595	ug/l	100
70) Styrene	12.19	104	376983	51.413	ug/l	100
71) Bromoform	12.36	173	67471	50.287	ug/l #	100
73) Isopropylbenzene	12.48	105	577607	47.365	ug/l	100
74) N-amyl acetate	12.29	43	121299	45.296	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.73	83	97392	47.720	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	129061	94.922	ug/l #	100
77) Bromobenzene	12.76	156	144815	49.145	ug/l	100
78) n-propylbenzene	12.82	91	680367	47.381	ug/l	100
79) 2-Chlorotoluene	12.91	91	372913	48.202	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	487329	47.967	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	32232	47.233	ug/l	100
82) 4-Chlorotoluene	13.00	91	397360	47.975	ug/l	100
83) tert-Butylbenzene	13.22	119	430266	48.278	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	496975	48.167	ug/l	100
85) sec-Butylbenzene	13.40	105	585142	47.368	ug/l	100
86) p-Isopropyltoluene	13.51	119	553890	47.865	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	284609	49.287	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	278825	48.379	ug/l	100
89) n-Butylbenzene	13.84	91	508623	46.335	ug/l	100
90) Hexachloroethane	14.11	117	101003	47.207	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	249491	50.156	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	17301	49.127	ug/l	100

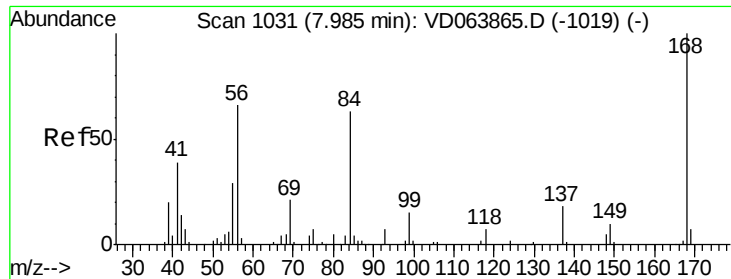
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD100219\
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QLast Update : Thu Oct 03 03:24:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	189818	50.390	ug/l	100
94) Hexachlorobutadiene	15.27	225	106025	49.736	ug/l	100
95) Naphthalene	15.40	128	335230	49.397	ug/l	100
96) 1,2,3-Trichlorobenzene	15.59	180	166401	49.792	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

Instrument :

MSVOA_D

ClientSampleId :

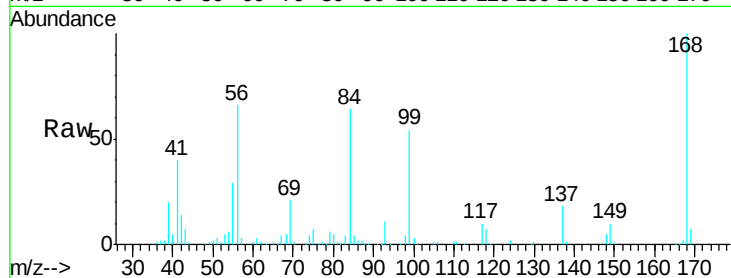
VSTDICCC050

Tgt Ion:168 Resp: 204569

Ion Ratio Lower Upper

168 100

99 53.7 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

100000

80000

60000

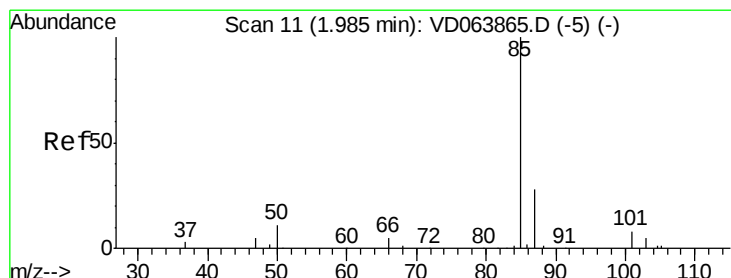
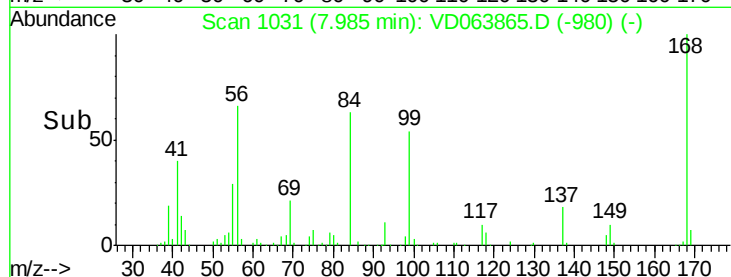
40000

20000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 45.082 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD063865.D

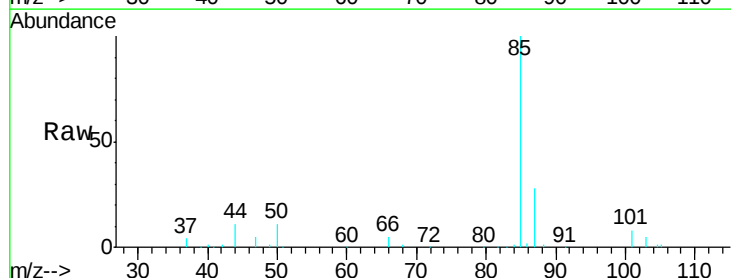
Acq: 02 Oct 2019 17:44

Tgt Ion: 85 Resp: 64371

Ion Ratio Lower Upper

85 100

87 28.0 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

50000

40000

30000

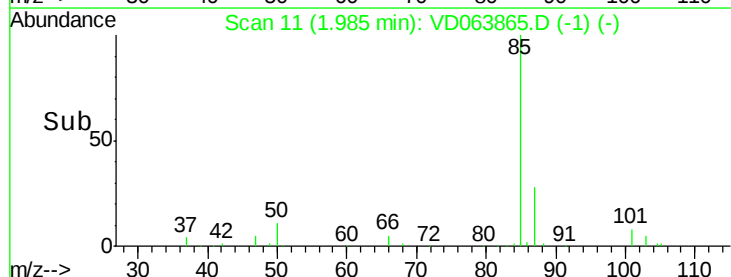
20000

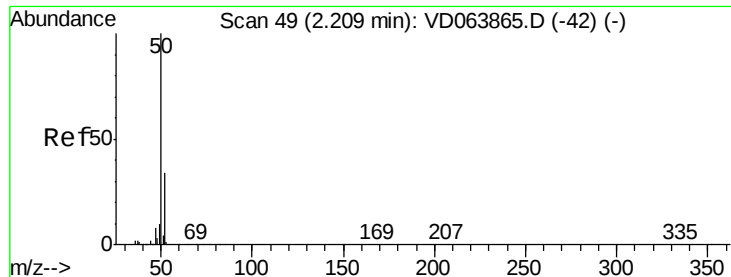
10000

0

1.90 1.95 2.00 2.05 2.10

Time-->

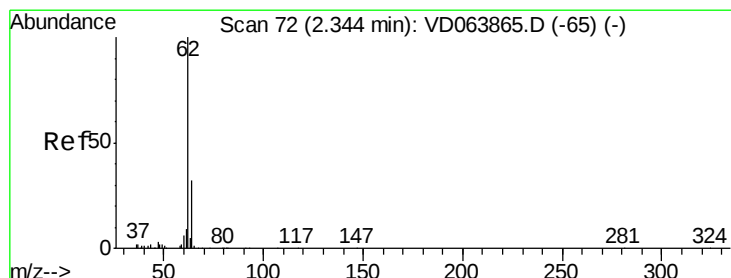
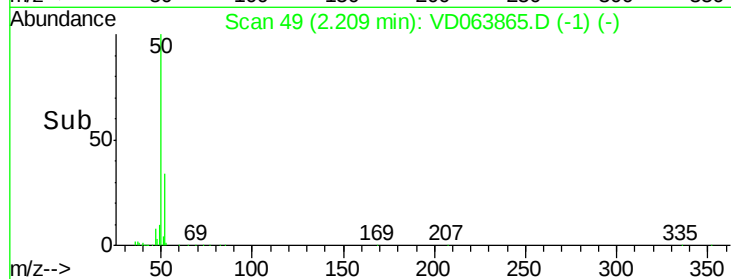
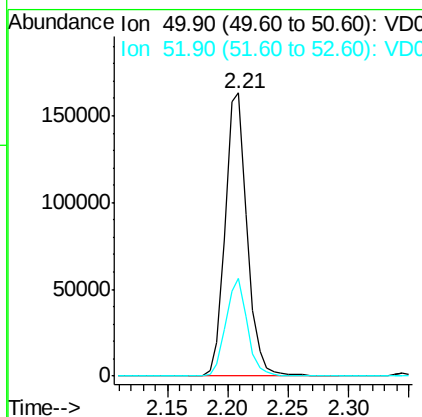
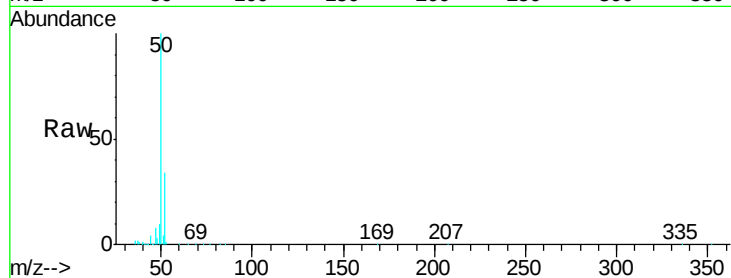




#3
Chloromethane
Concen: 47.574 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

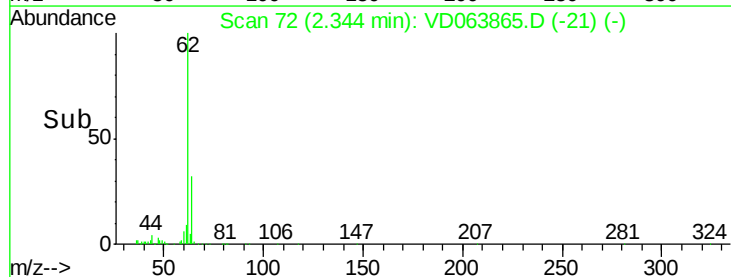
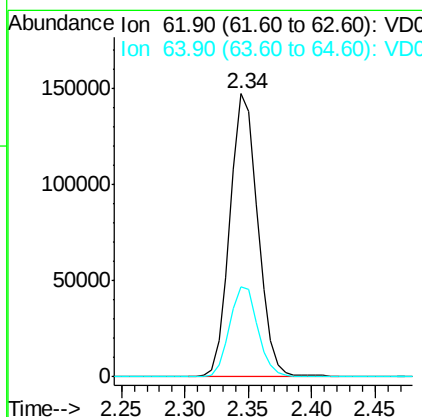
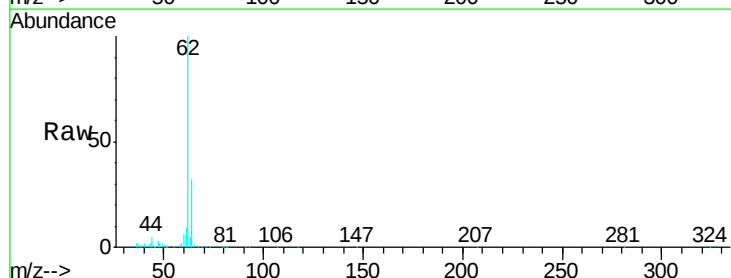
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

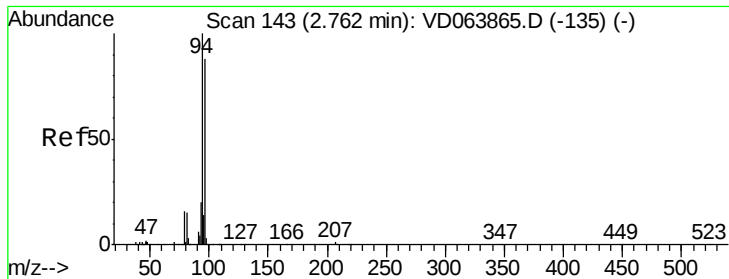
Tgt Ion: 50 Resp: 205375
Ion Ratio Lower Upper
50 100
52 34.4 27.5 41.3



#4
Vinyl Chloride
Concen: 50.909 ug/l
RT: 2.34 min Scan# 72
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Tgt Ion: 62 Resp: 224850
Ion Ratio Lower Upper
62 100
64 31.7 25.4 38.0





#5

Bromomethane

Concen: 54.781 ug/l

RT: 2.76 min Scan# 143

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

Instrument :

MSVOA_D

ClientSampleId :

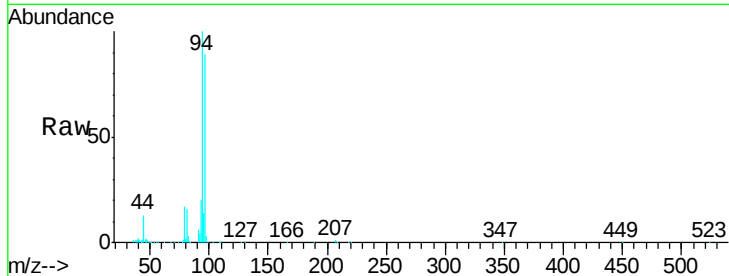
VSTDICCC050

Tgt Ion: 94 Resp: 143047

Ion Ratio Lower Upper

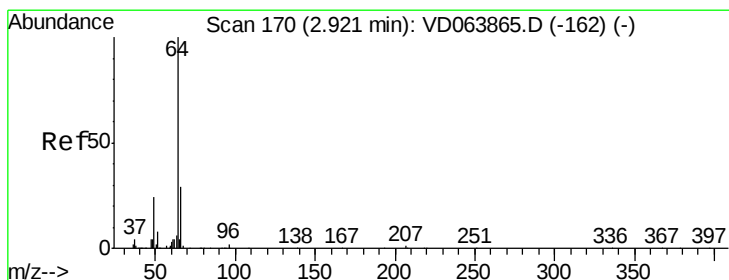
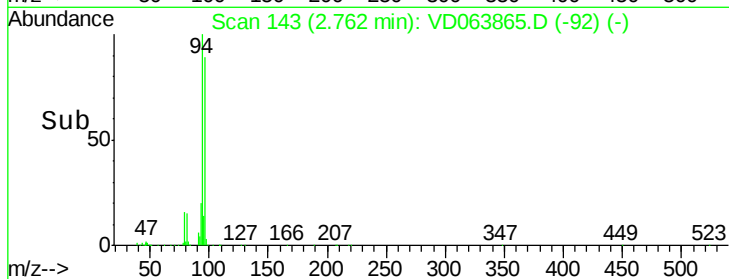
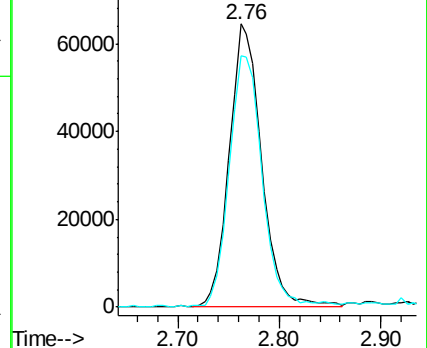
94 100

96 88.5 70.8 106.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 47.948 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD063865.D

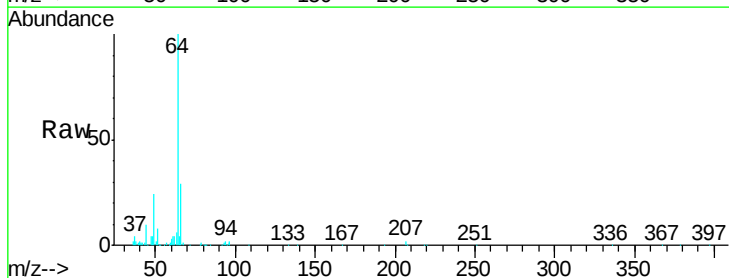
Acq: 02 Oct 2019 17:44

Tgt Ion: 64 Resp: 145431

Ion Ratio Lower Upper

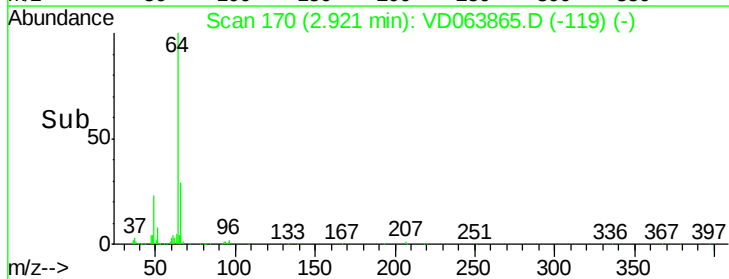
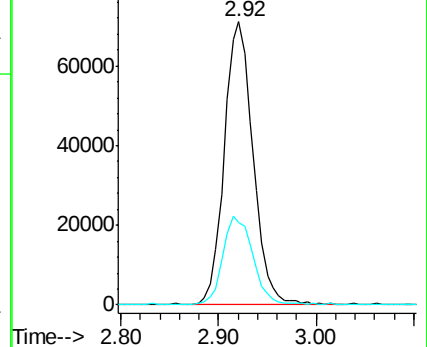
64 100

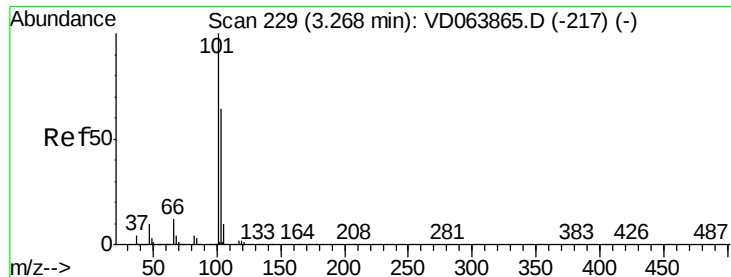
66 28.7 23.0 34.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



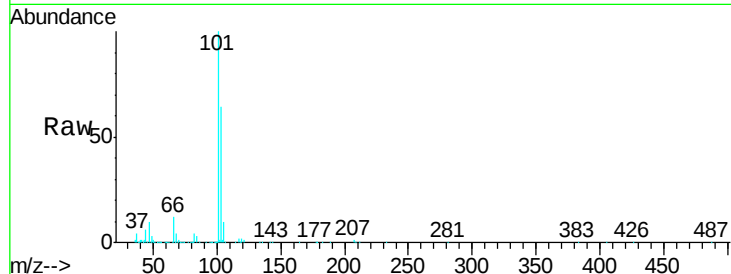


#7

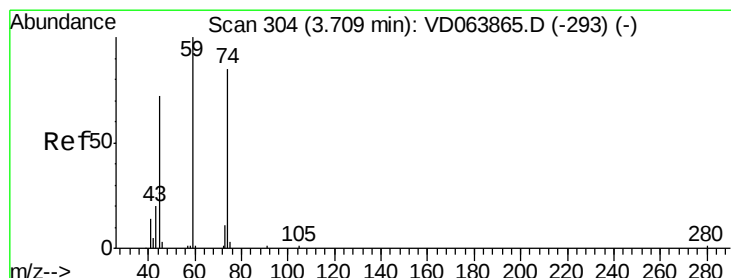
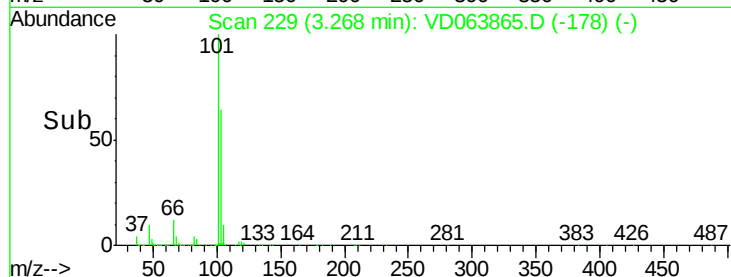
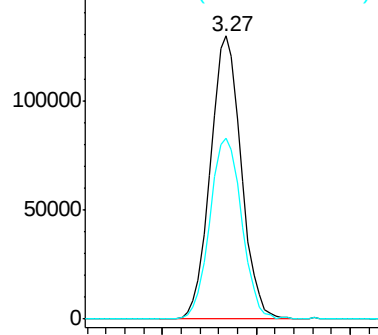
Trichlorofluoromethane
Concen: 49.946 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 294818
Ion Ratio Lower Upper
101 100
103 63.9 51.1 76.7



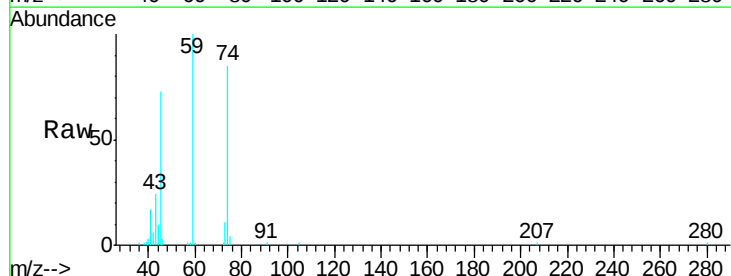
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



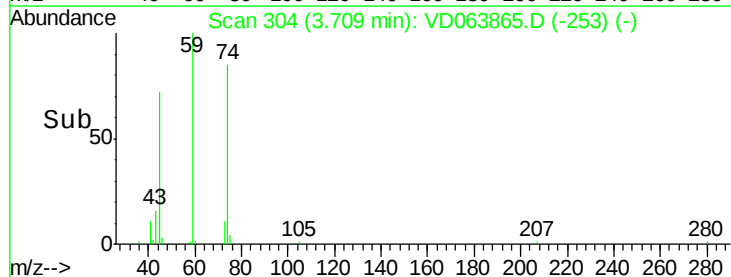
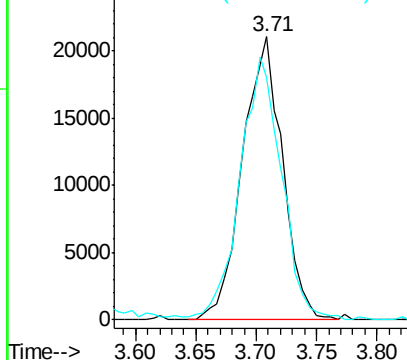
#8

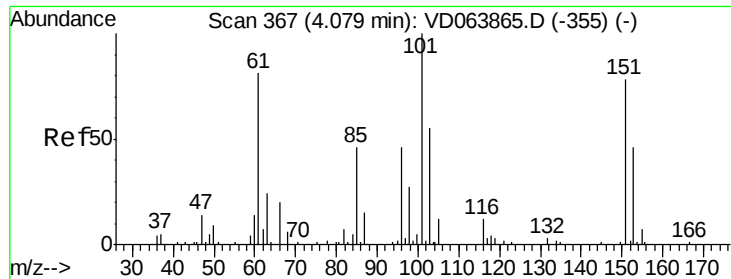
Diethyl Ether
Concen: 49.758 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Tgt Ion: 74 Resp: 48600
Ion Ratio Lower Upper
74 100
45 96.3 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: 45.979 ug/l

RT: 4.08 min Scan# 367

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

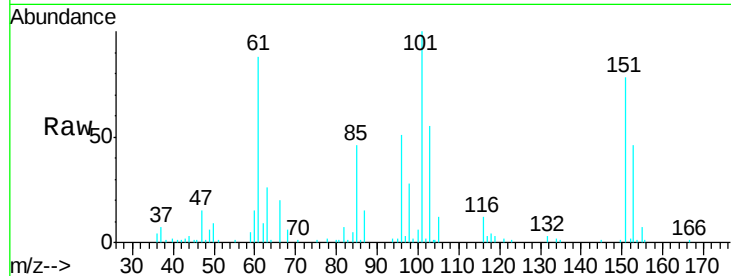
Tgt Ion:101 Resp: 79327

Ion Ratio Lower Upper

101 100

85 46.9 37.5 56.3

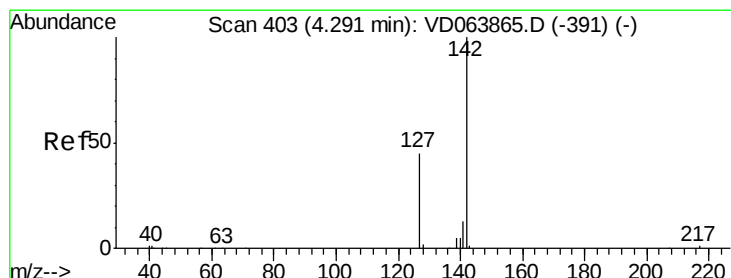
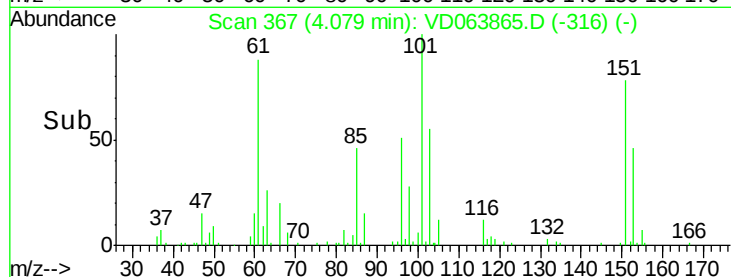
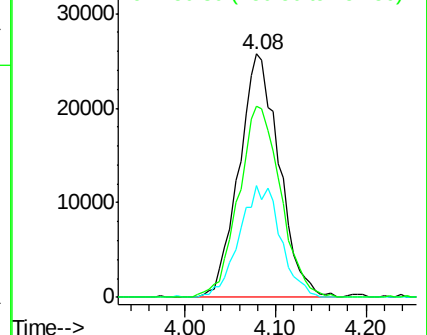
151 81.9 65.5 98.3



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: 55.717 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

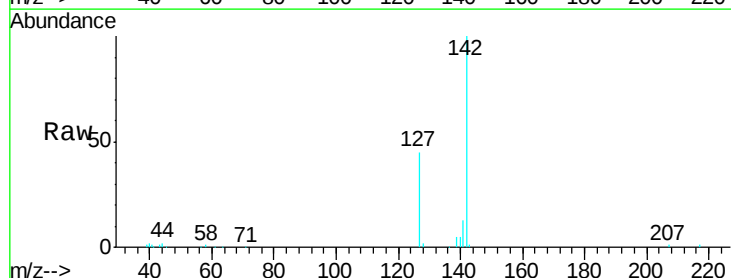
Tgt Ion:142 Resp: 117040

Ion Ratio Lower Upper

142 100

127 44.1 35.3 52.9

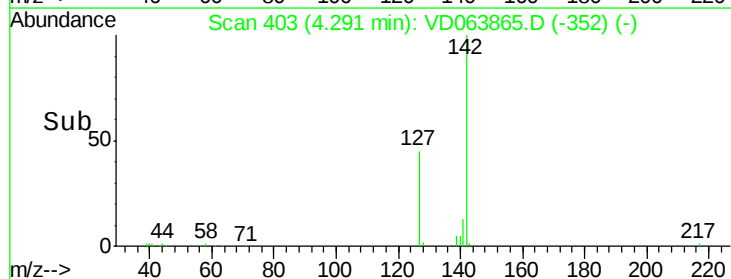
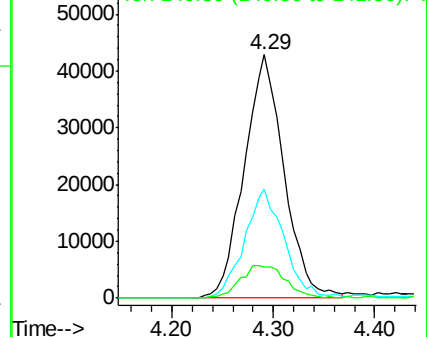
141 15.2 12.2 18.2

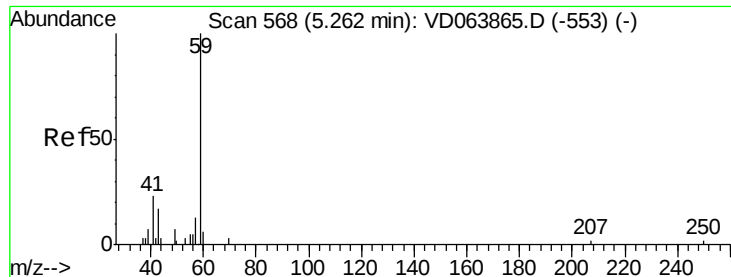


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

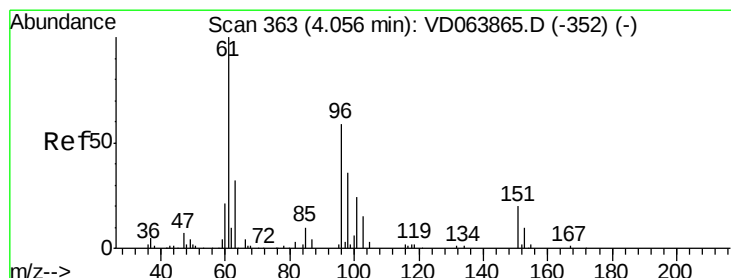
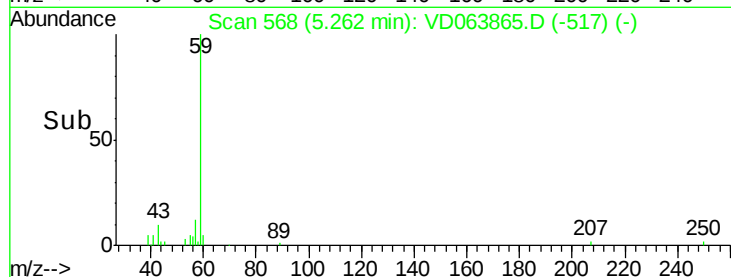
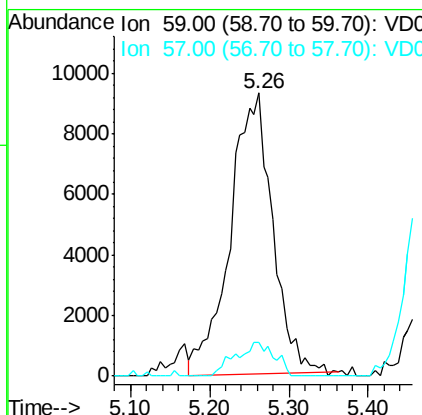
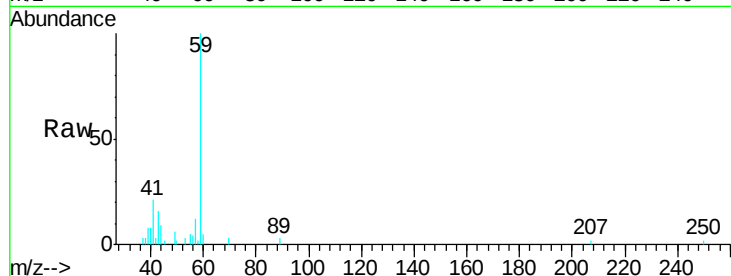




#11
Tert butyl alcohol
Concen: 225.299 ug/l
RT: 5.26 min Scan# 568
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

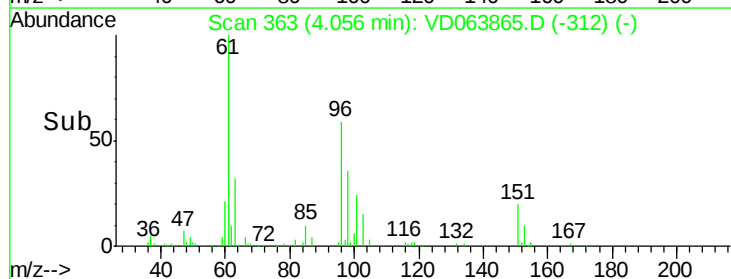
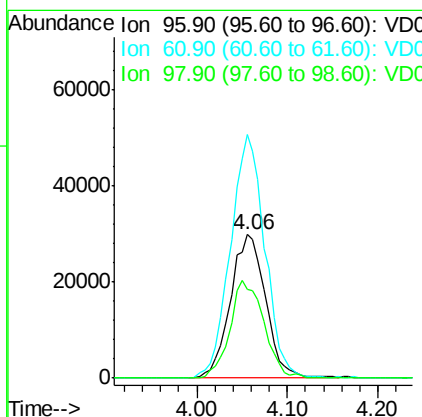
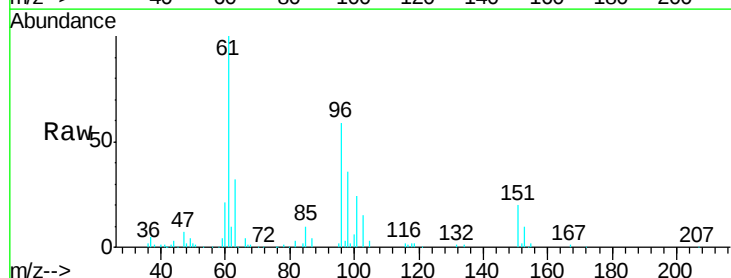
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

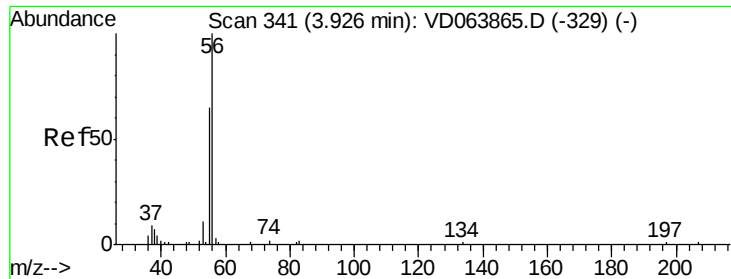
Tgt Ion: 59 Resp: 34318
Ion Ratio Lower Upper
59 100
57 11.0 8.8 13.2



#12
1,1-Dichloroethene
Concen: 46.018 ug/l
RT: 4.06 min Scan# 363
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Tgt Ion: 96 Resp: 80435
Ion Ratio Lower Upper
96 100
61 169.5 135.6 203.4
98 61.5 49.2 73.8

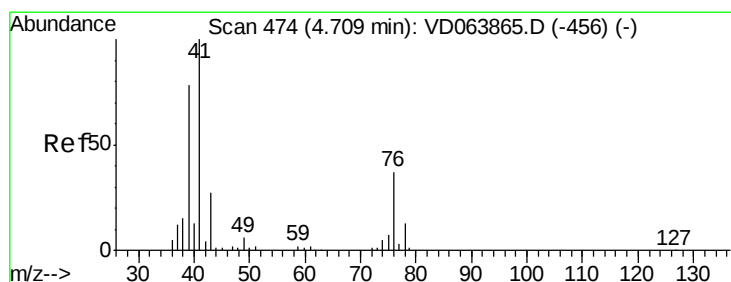
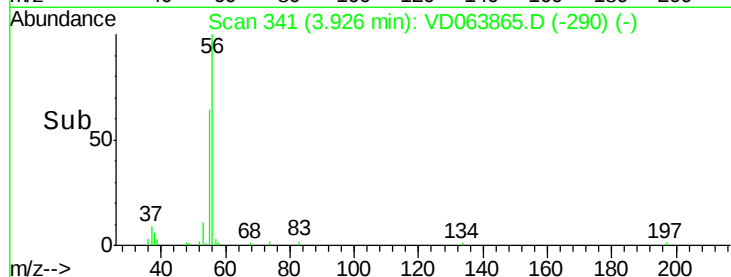
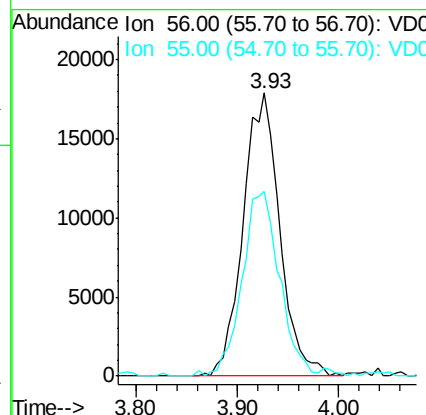
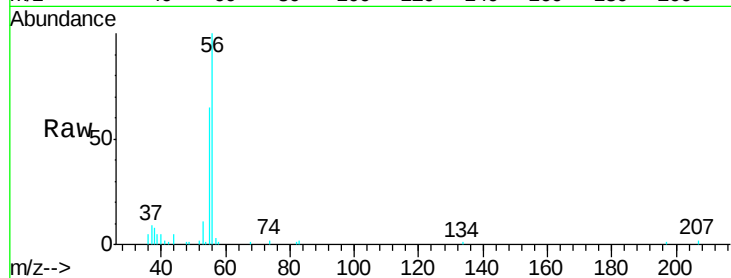




#13
Acrolein
Concen: 245.243 ug/l
RT: 3.93 min Scan# 341
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

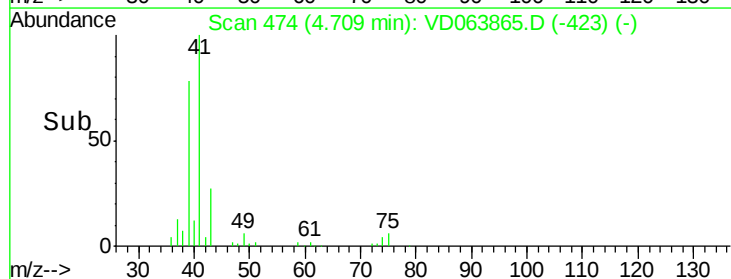
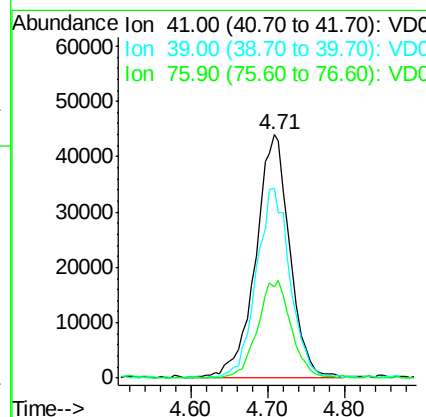
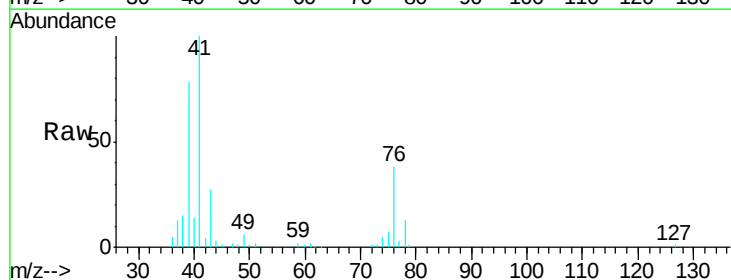
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

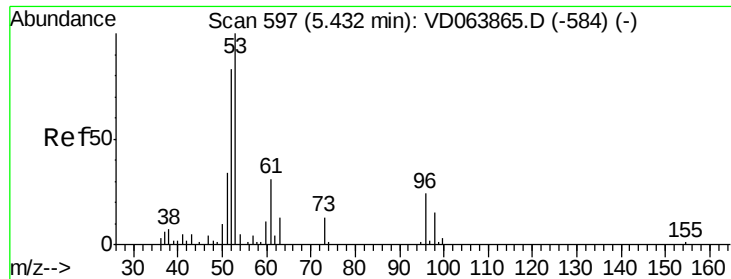
Tgt Ion: 56 Resp: 44888
Ion Ratio Lower Upper
56 100
55 66.3 53.0 79.6



#14
Allyl chloride
Concen: 48.990 ug/l
RT: 4.71 min Scan# 474
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Tgt Ion: 41 Resp: 136794
Ion Ratio Lower Upper
41 100
39 77.2 61.8 92.6
76 39.1 31.3 46.9

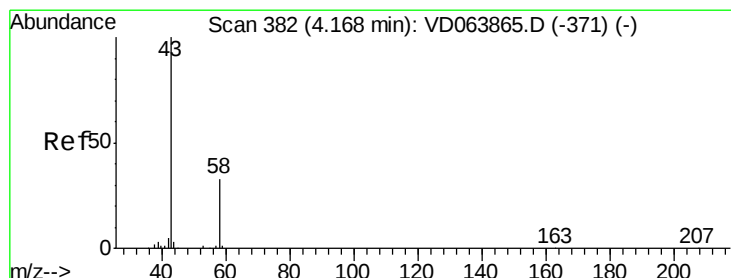
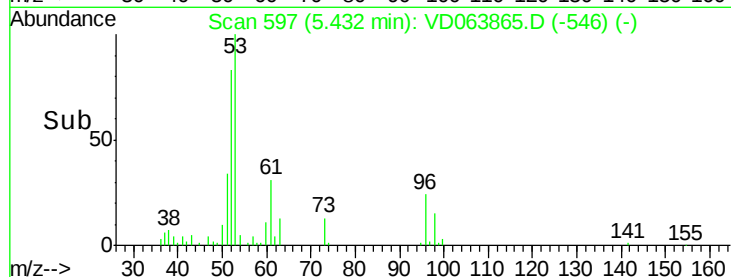
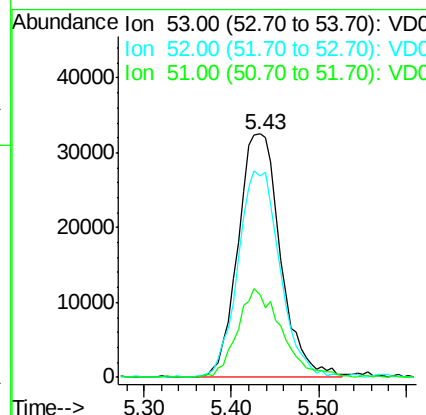
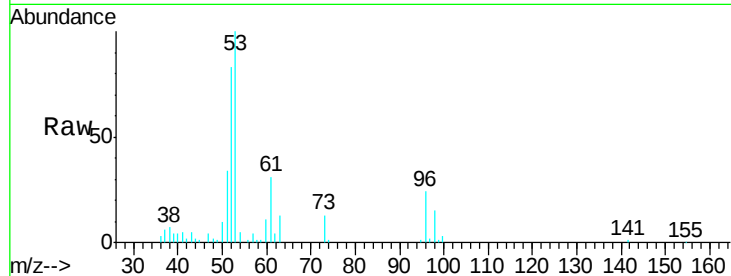




#15
 Acrylonitrile
 Concen: 252.129 ug/l
 RT: 5.43 min Scan# 597
 Delta R.T. 0.00 min
 Lab File: VD063865.D
 Acq: 02 Oct 2019 17:44

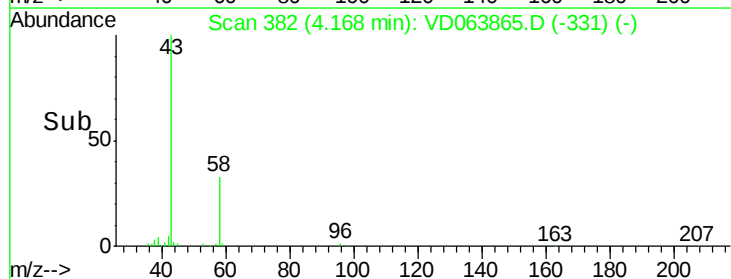
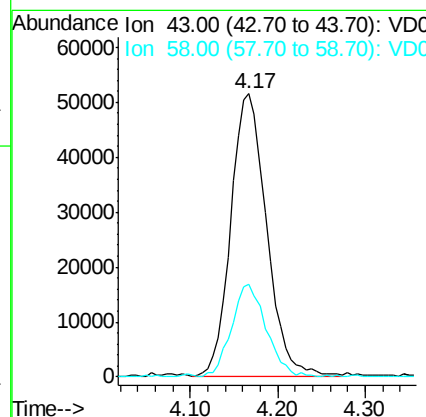
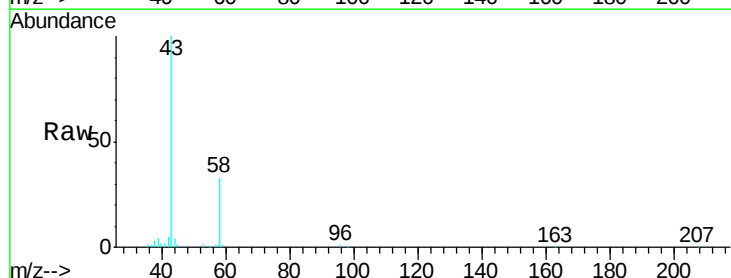
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

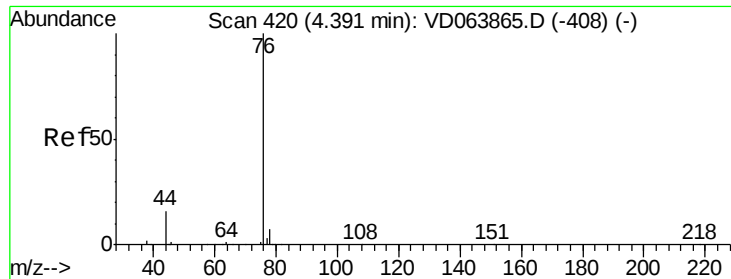
Tgt Ion: 53 Resp: 107375
 Ion Ratio Lower Upper
 53 100
 52 84.1 67.3 100.9
 51 38.1 30.5 45.7



#16
 Acetone
 Concen: 308.795 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VD063865.D
 Acq: 02 Oct 2019 17:44

Tgt Ion: 43 Resp: 142096
 Ion Ratio Lower Upper
 43 100
 58 32.8 26.2 39.4

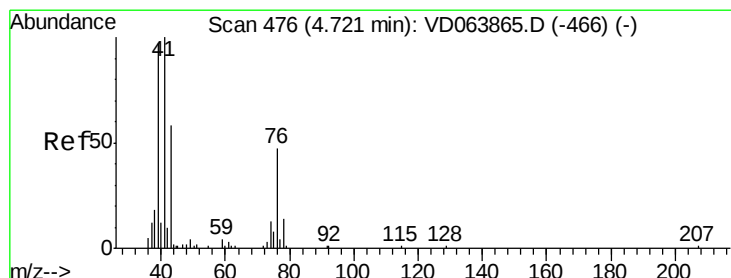
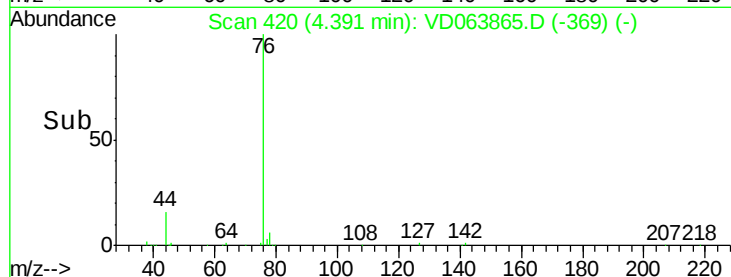
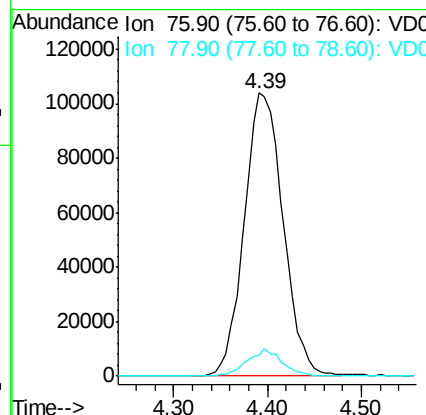
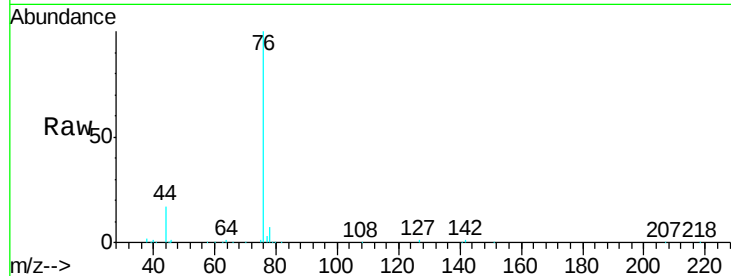




#17
Carbon Disulfide
Concen: 49.931 ug/l
RT: 4.39 min Scan# 420
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

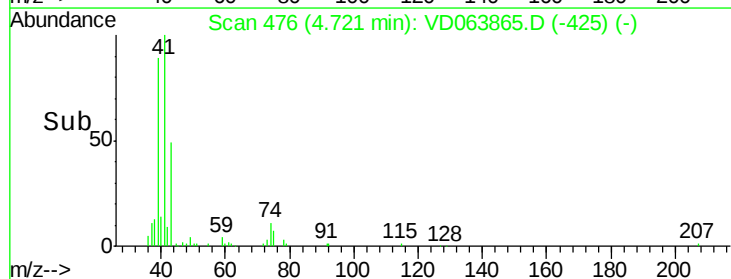
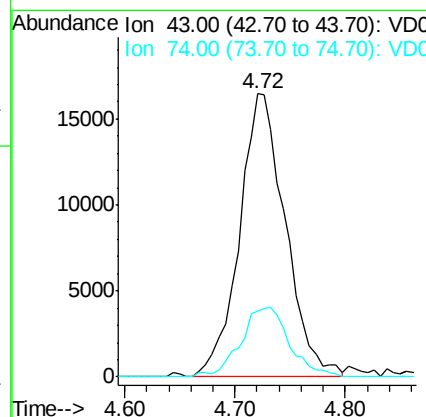
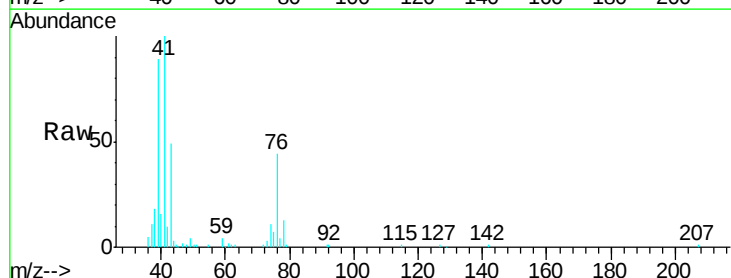
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

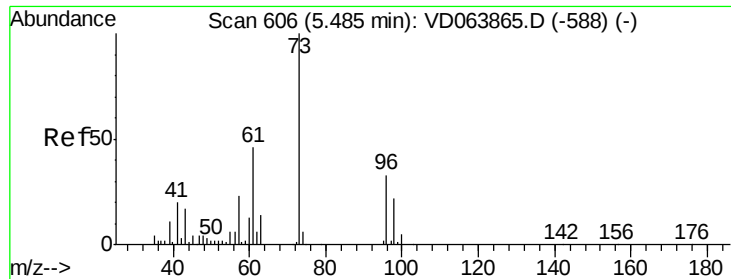
Tgt Ion: 76 Resp: 297511
Ion Ratio Lower Upper
76 100
78 7.3 5.8 8.8



#18
Methyl Acetate
Concen: 44.760 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Tgt Ion: 43 Resp: 47892
Ion Ratio Lower Upper
43 100
74 26.0 20.8 31.2

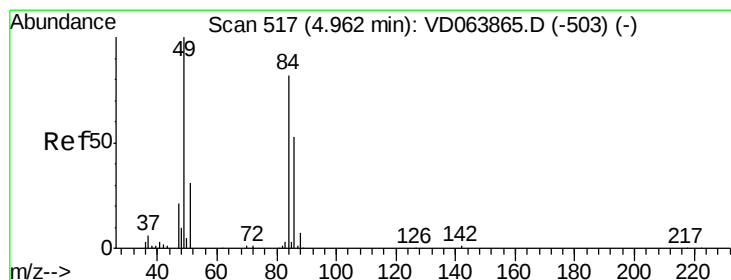
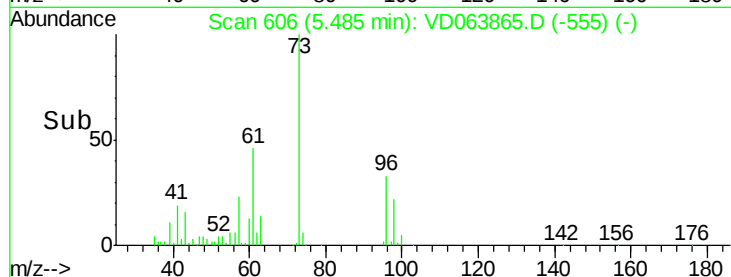
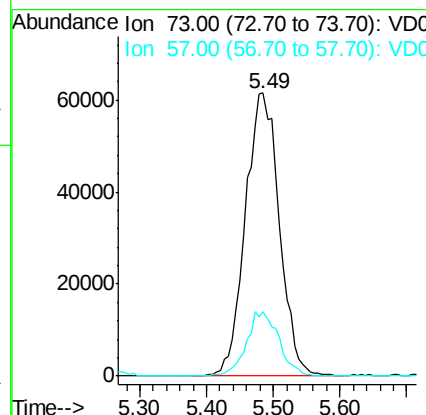
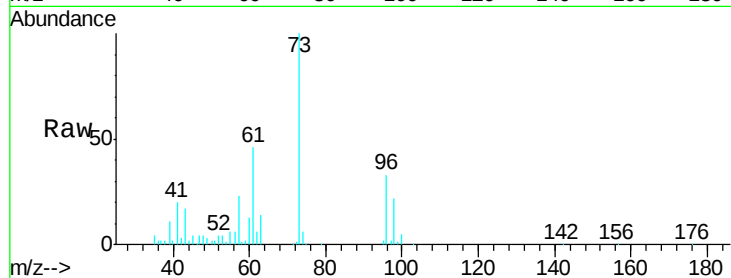




#19
Methyl tert-butyl Ether
Concen: 49.004 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

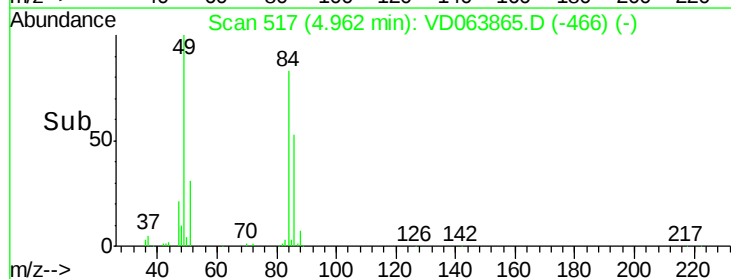
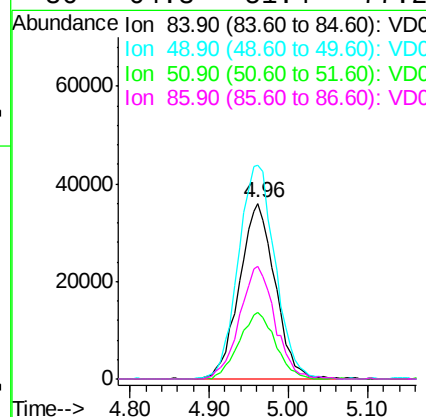
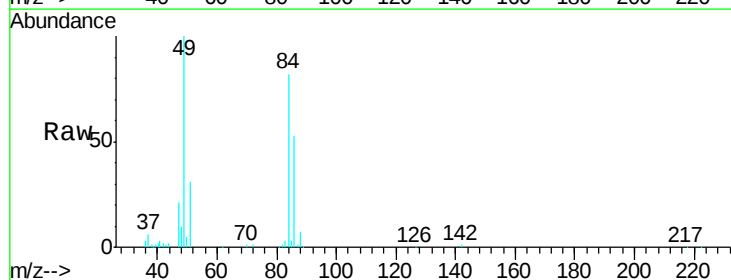
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

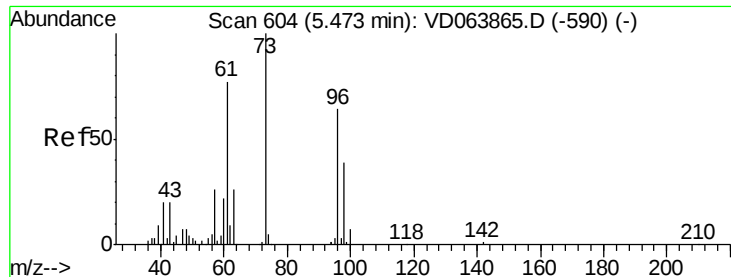
Tgt Ion: 73 Resp: 215627
Ion Ratio Lower Upper
73 100
57 22.6 18.1 27.1



#20
Methylene Chloride
Concen: 42.790 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Tgt Ion: 84 Resp: 112296
Ion Ratio Lower Upper
84 100
49 121.6 97.3 145.9
51 37.6 30.1 45.1
86 64.3 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 49.661 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

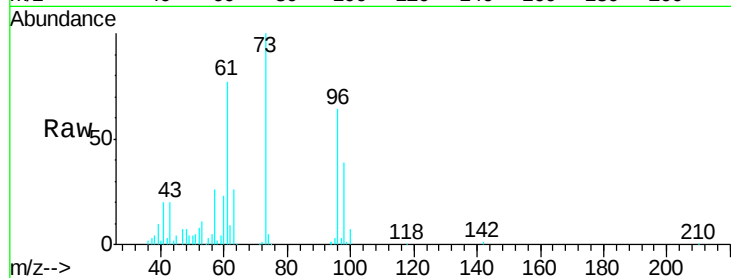
Tgt Ion: 96 Resp: 101922

Ion Ratio Lower Upper

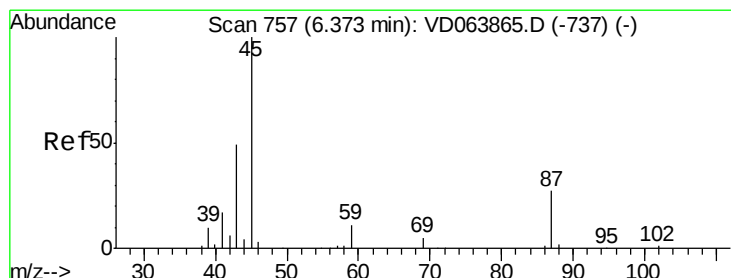
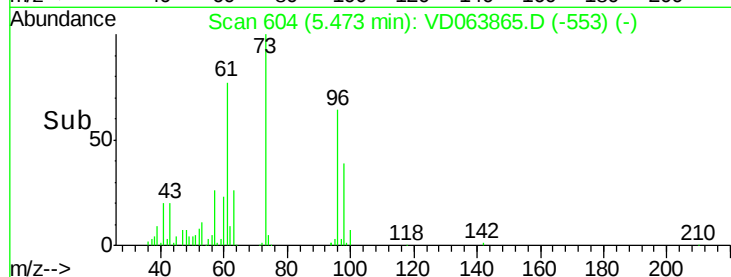
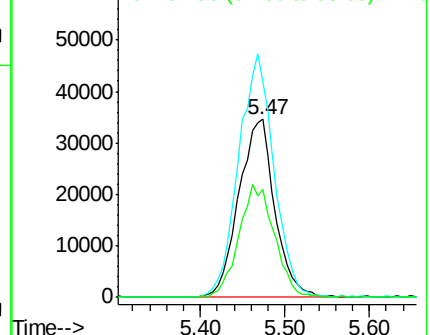
96 100

61 120.8 96.6 145.0

98 60.9 48.7 73.1



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



#22

Diisopropyl ether

Concen: 49.692 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

Tgt Ion: 45 Resp: 284649

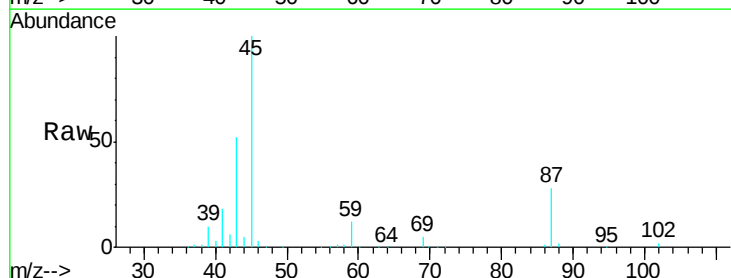
Ion Ratio Lower Upper

45 100

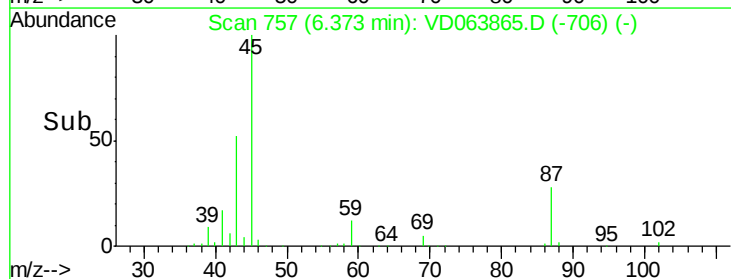
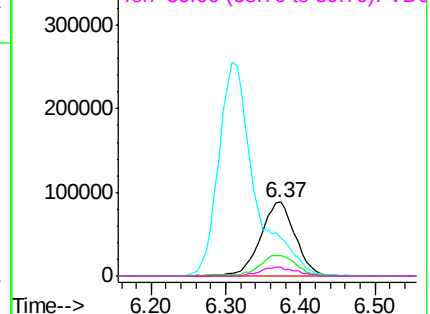
43 51.5 41.2 61.8

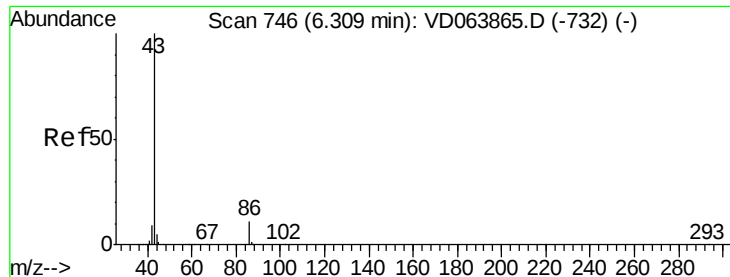
87 27.8 22.2 33.4

59 11.5 9.2 13.8



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





#23

Vinyl Acetate

Concen: 252.471 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

Instrument :

MSVOA_D

ClientSampleId :

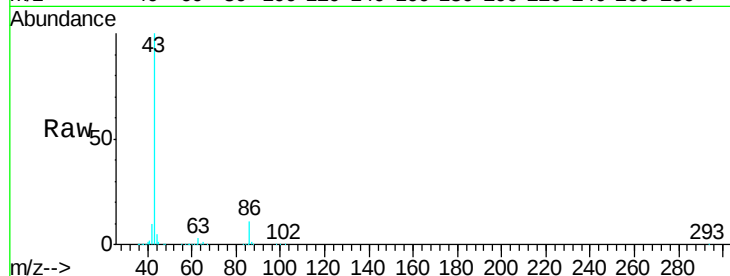
VSTDICCC050

Tgt Ion: 43 Resp: 860257

Ion Ratio Lower Upper

43 100

86 11.0 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

300000

250000

200000

150000

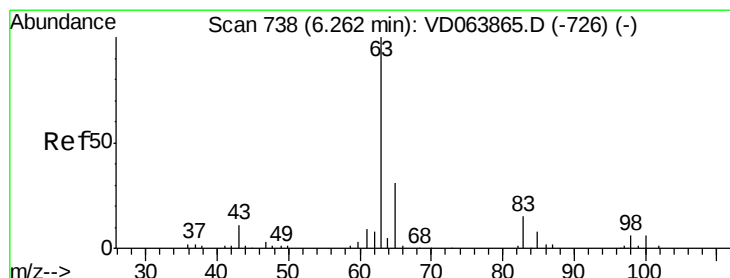
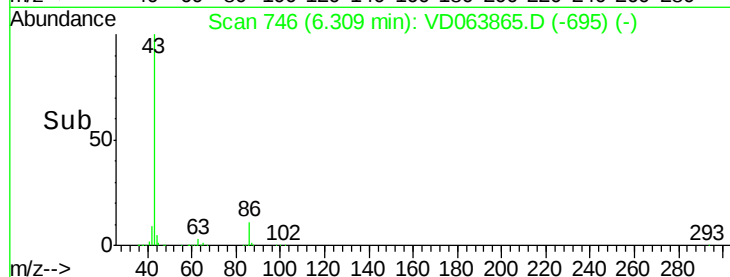
100000

50000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 50.688 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

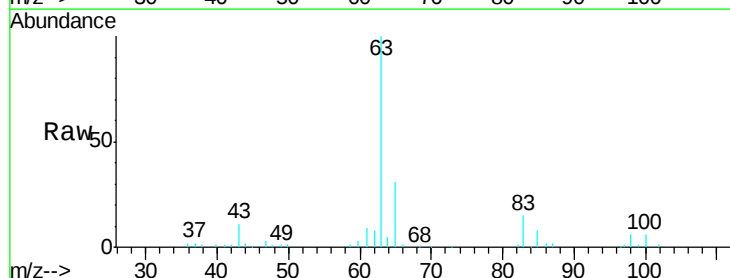
Tgt Ion: 63 Resp: 177269

Ion Ratio Lower Upper

63 100

98 6.3 3.1 9.4

100 6.1 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

80000

60000

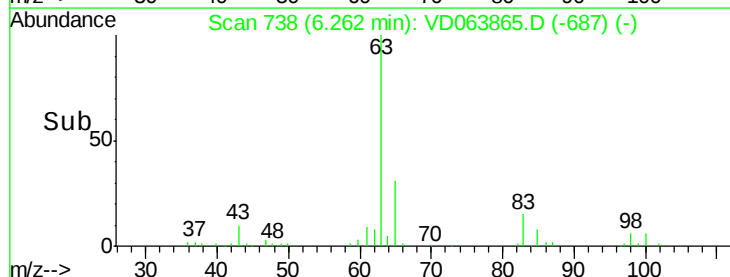
40000

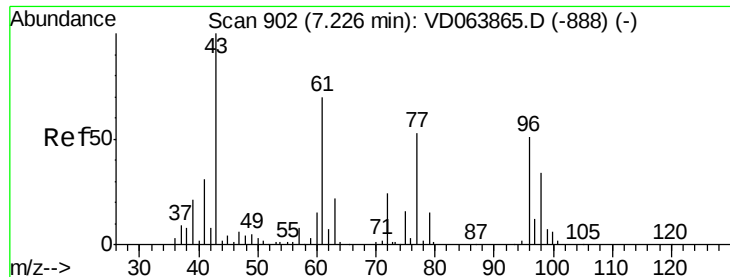
20000

0

6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 272.013 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

Instrument :

MSVOA_D

ClientSampleId :

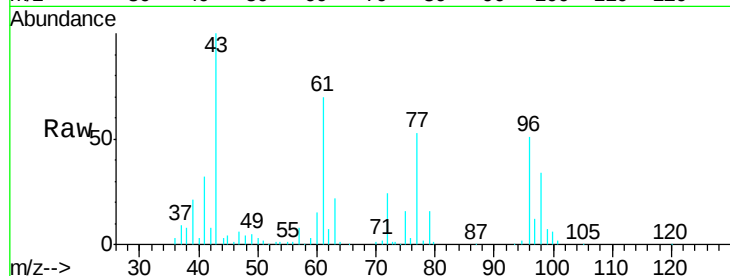
VSTDICCC050

Tgt Ion: 43 Resp: 158924

Ion Ratio Lower Upper

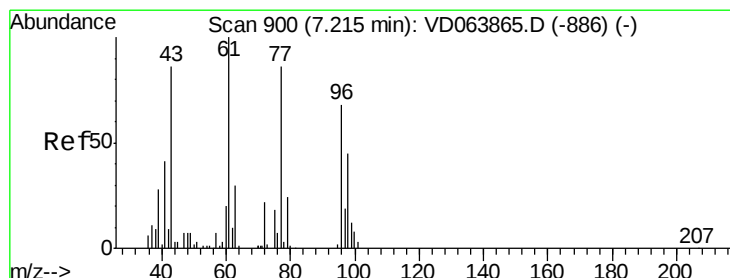
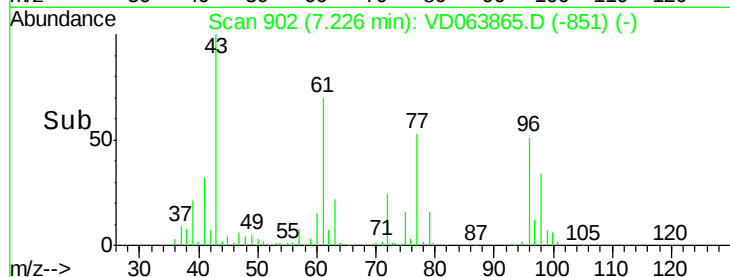
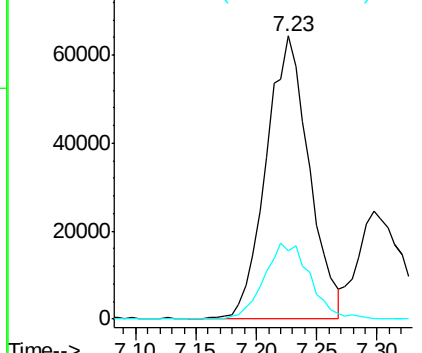
43 100

72 24.0 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: 47.706 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD063865.D

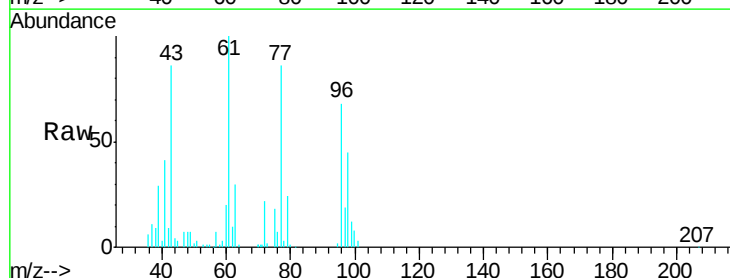
Acq: 02 Oct 2019 17:44

Tgt Ion: 77 Resp: 154319

Ion Ratio Lower Upper

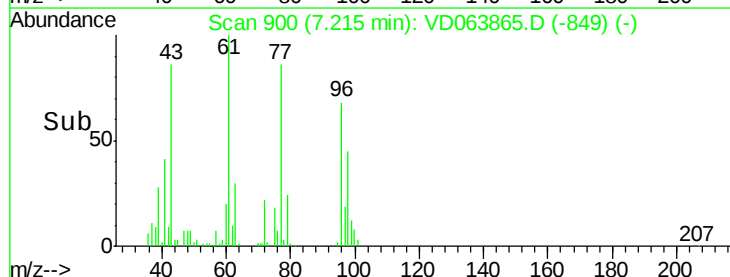
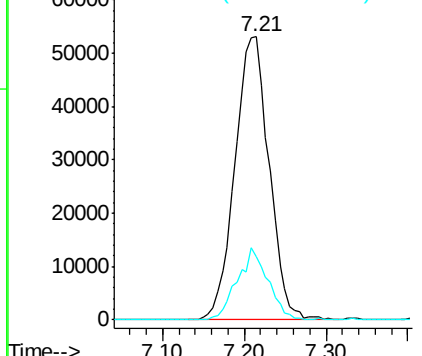
77 100

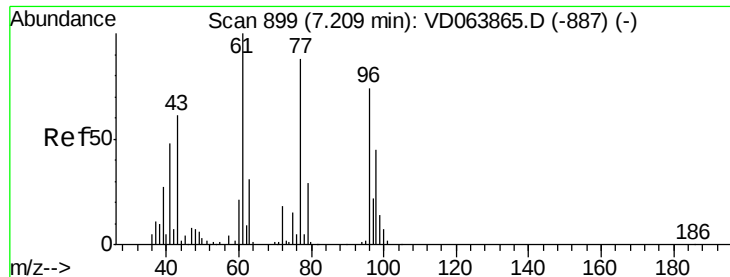
97 22.7 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



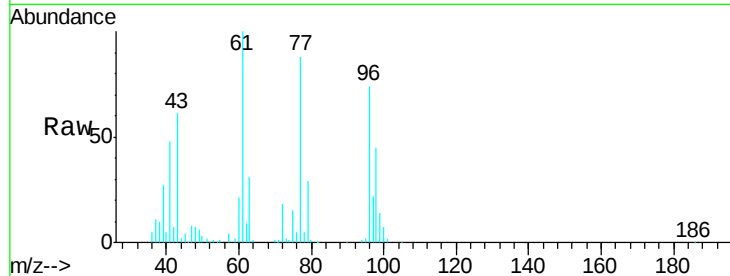


#27

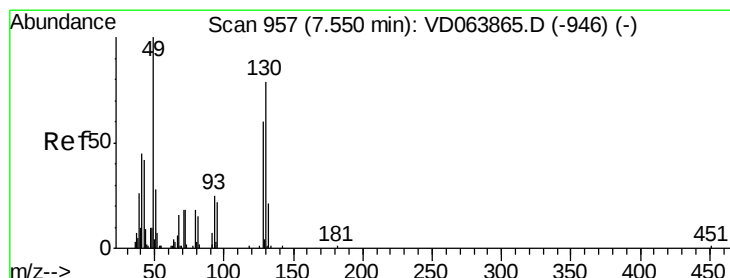
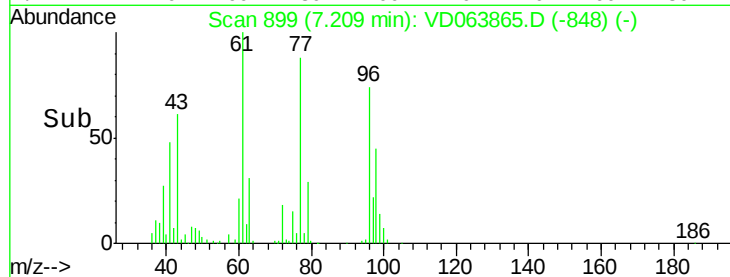
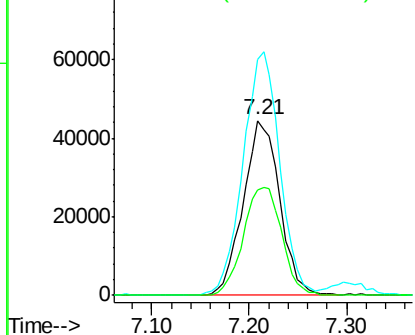
cis-1,2-Dichloroethene
Concen: 50.604 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 115942
Ion Ratio Lower Upper
96 100
61 140.0 0.0 280.0
98 65.2 0.0 130.4



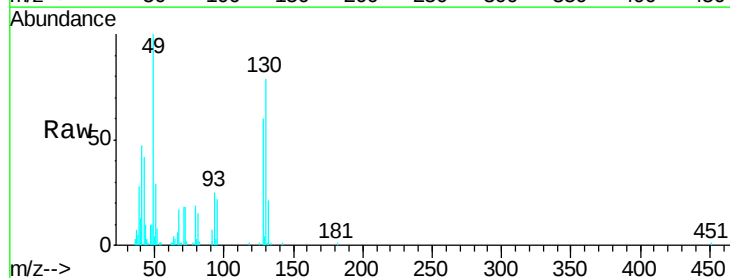
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



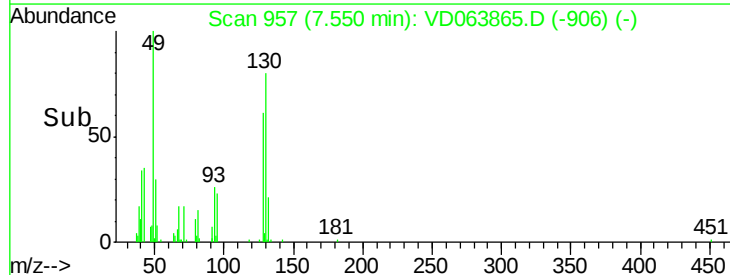
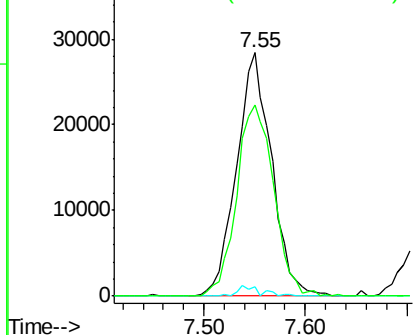
#28

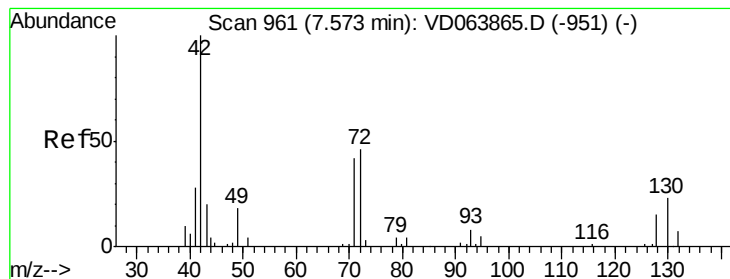
Bromochloromethane
Concen: 50.772 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Tgt Ion: 49 Resp: 68286
Ion Ratio Lower Upper
49 100
129 2.8 0.0 5.6
130 83.5 66.8 100.2



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





#29

Tetrahydrofuran

Concen: 245.525 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

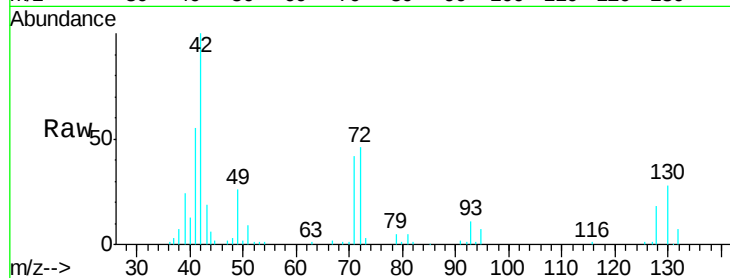
Tgt Ion: 42 Resp: 83818

Ion Ratio Lower Upper

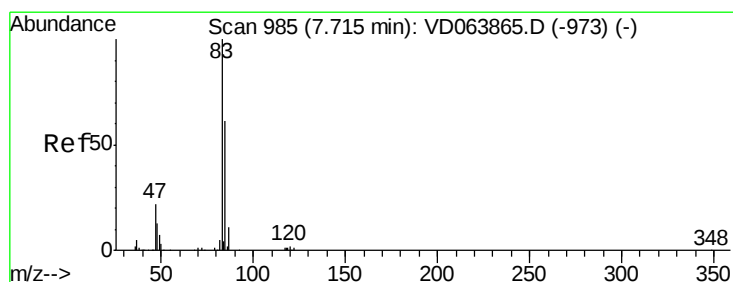
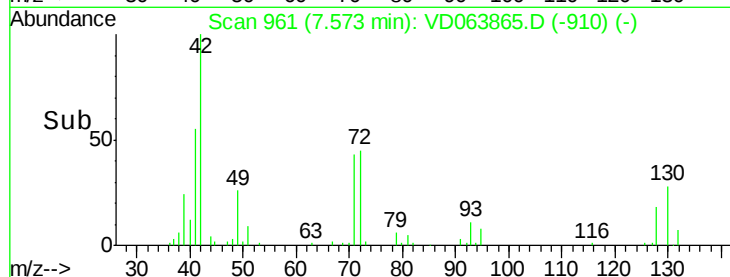
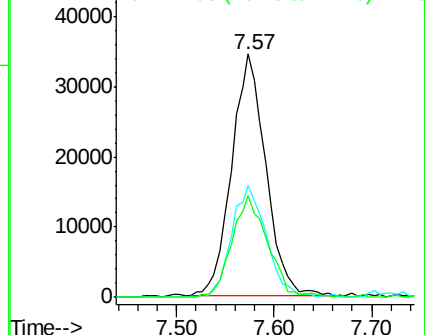
42 100

72 47.0 37.6 56.4

71 43.8 35.0 52.6



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



#30

Chloroform

Concen: 49.073 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD063865.D

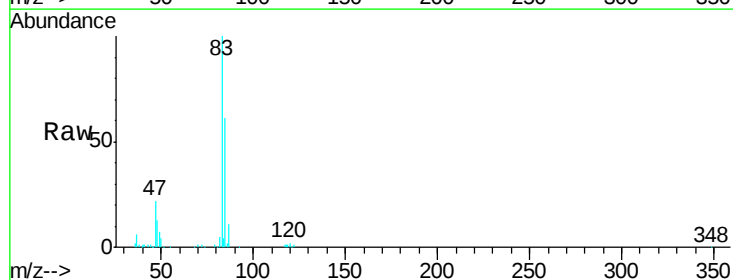
Acq: 02 Oct 2019 17:44

Tgt Ion: 83 Resp: 185452

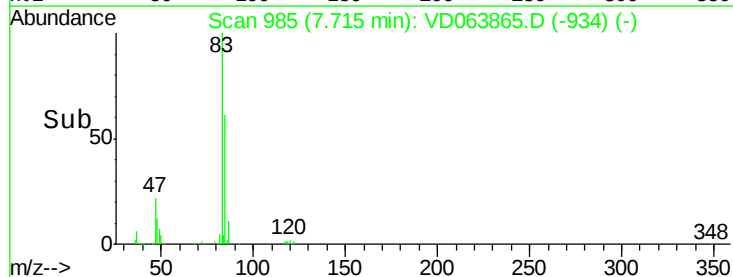
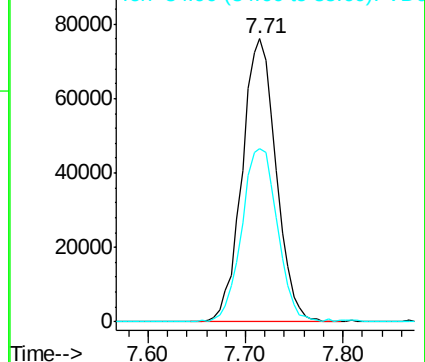
Ion Ratio Lower Upper

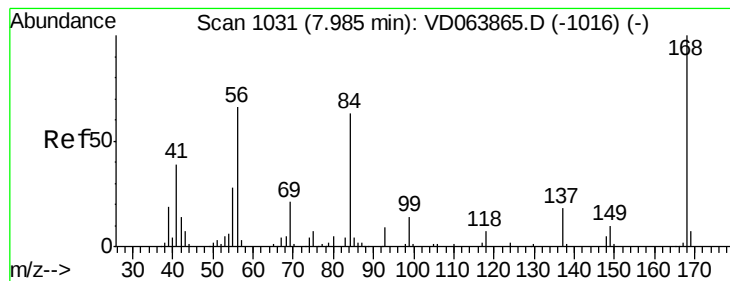
83 100

85 61.1 48.9 73.3



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





#31

Cyclohexane

Concen: 44.501 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

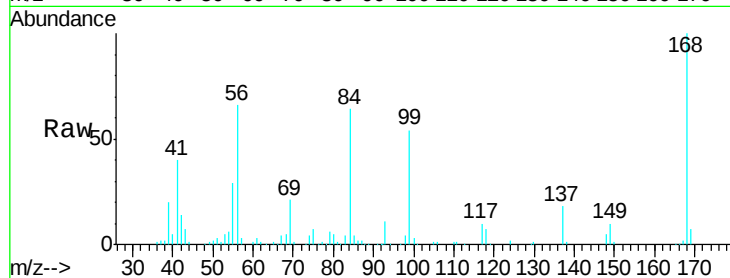
Tgt Ion: 56 Resp: 152766

Ion Ratio Lower Upper

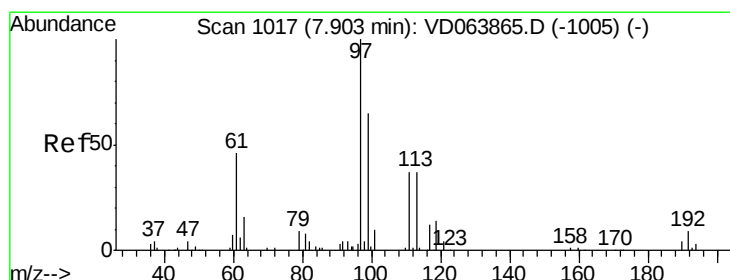
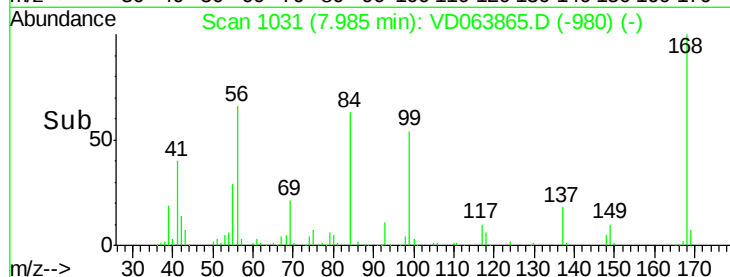
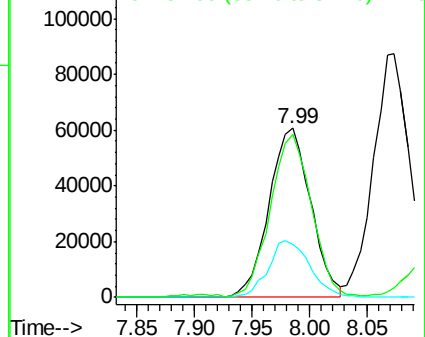
56 100

69 31.2 25.0 37.4

84 95.4 76.3 114.5



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



#32

1,1,1-Trichloroethane

Concen: 47.363 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

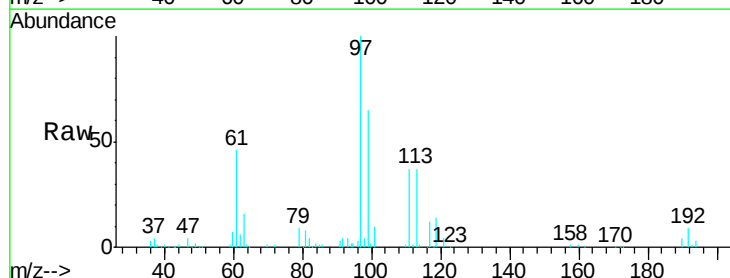
Tgt Ion: 97 Resp: 161395

Ion Ratio Lower Upper

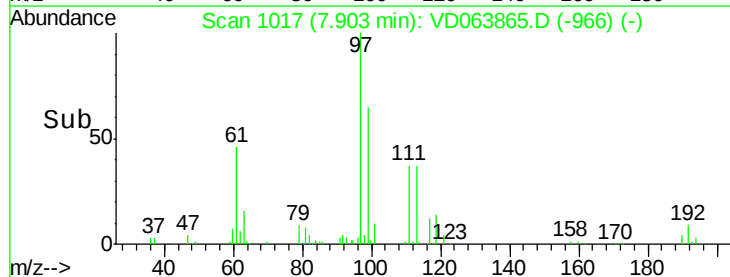
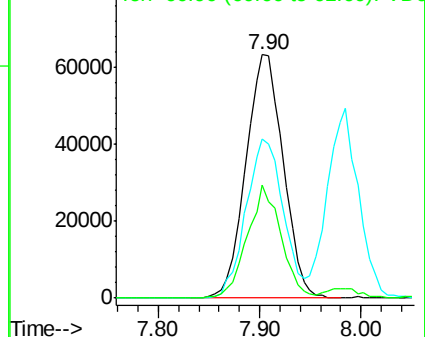
97 100

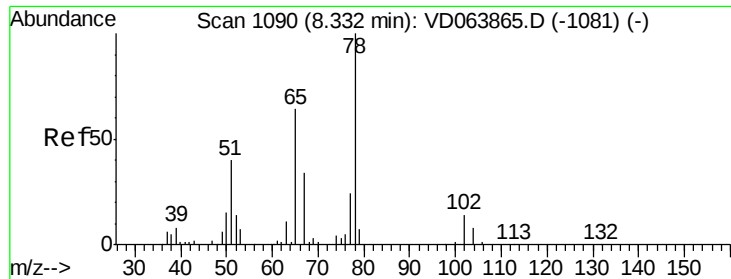
99 65.5 52.4 78.6

61 42.3 33.8 50.8



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

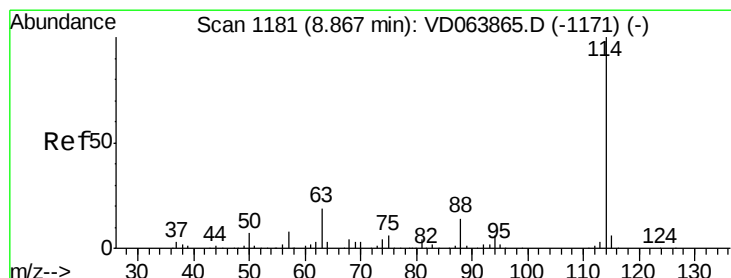
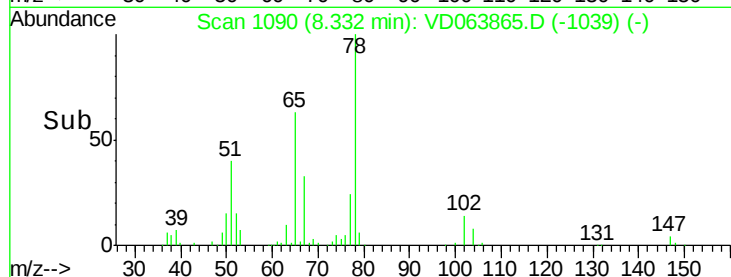
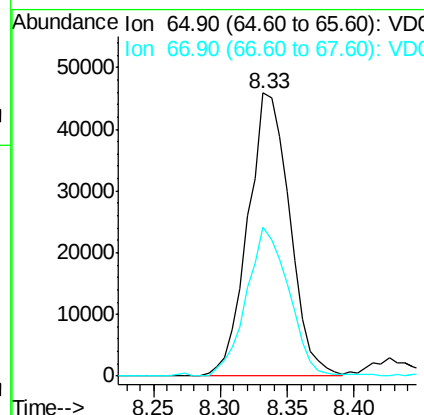
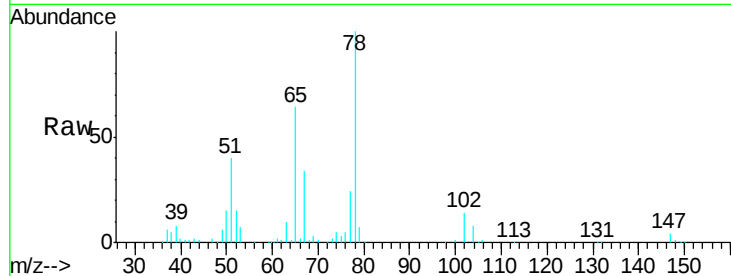




#33
 1,2-Dichloroethane-d4
 Concen: 51.188 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD063865.D
 Acq: 02 Oct 2019 17:44

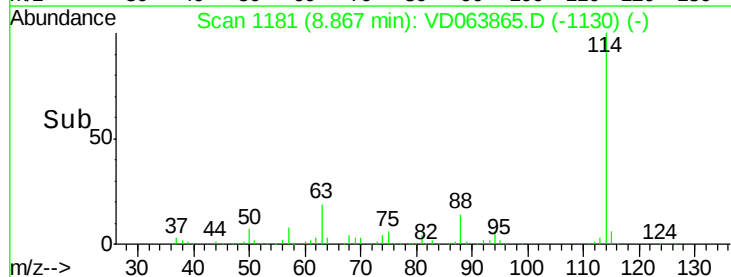
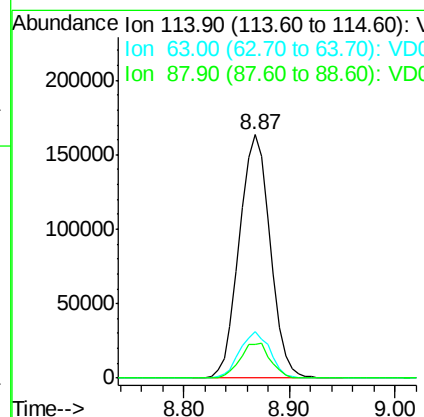
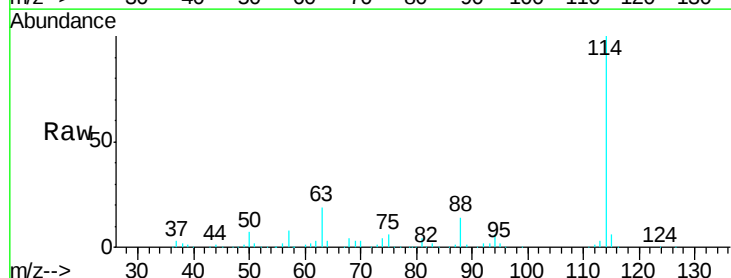
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

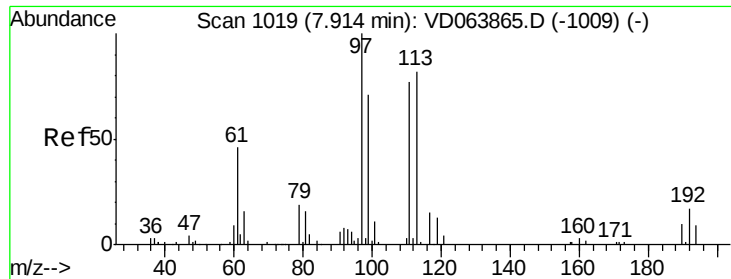
Tgt Ion: 65 Resp: 99331
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD063865.D
 Acq: 02 Oct 2019 17:44

Tgt Ion: 114 Resp: 331550
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.4
 88 13.7 0.0 27.4

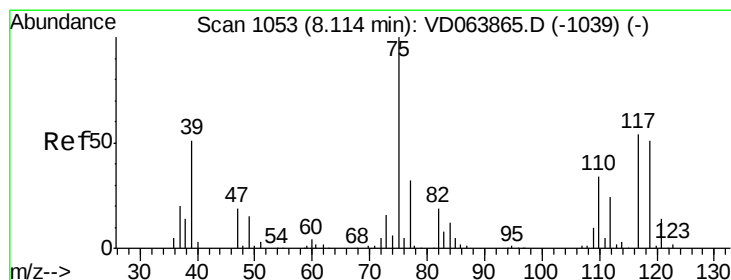
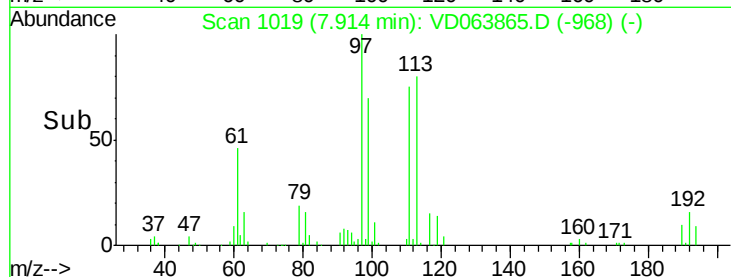
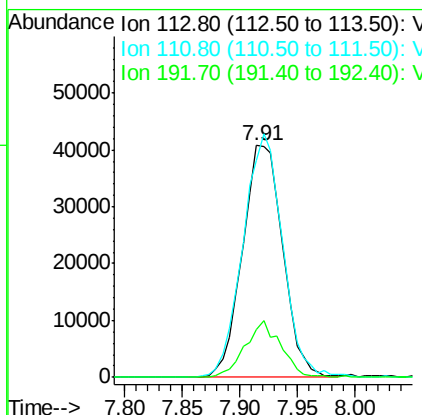
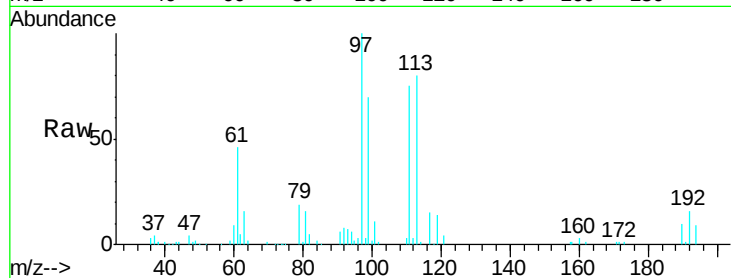




#35
Dibromofluoromethane
Concen: 47.756 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

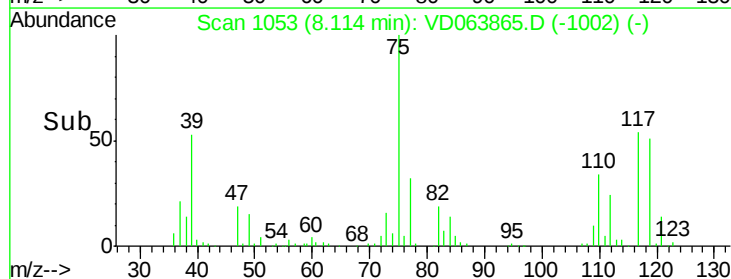
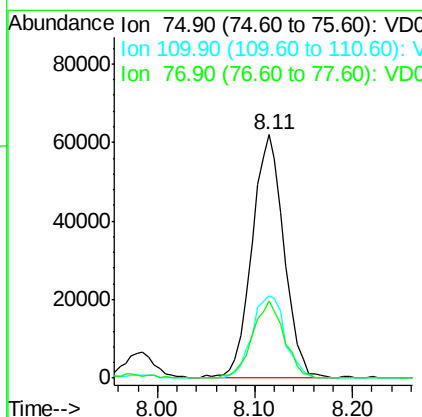
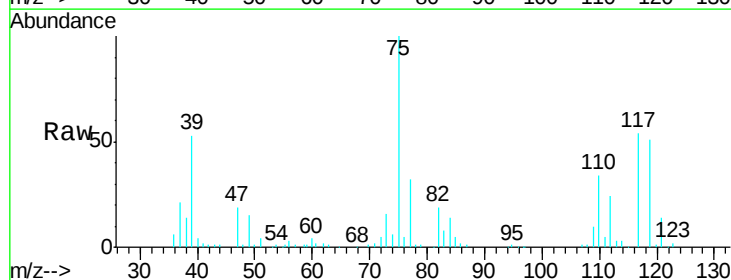
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

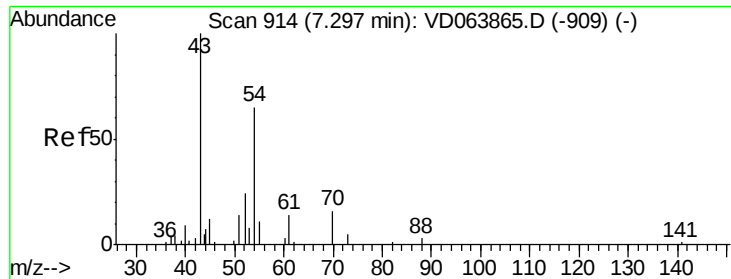
Tgt Ion: 113 Resp: 99577
Ion Ratio Lower Upper
113 100
111 103.2 82.6 123.8
192 21.4 17.1 25.7



#36
1,1-Dichloropropene
Concen: 47.526 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Tgt Ion: 75 Resp: 142505
Ion Ratio Lower Upper
75 100
110 34.9 17.4 52.3
77 31.7 25.4 38.0

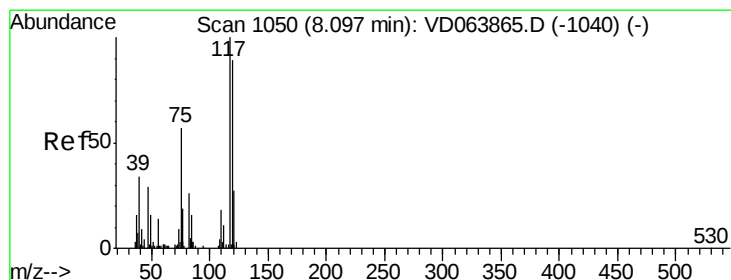
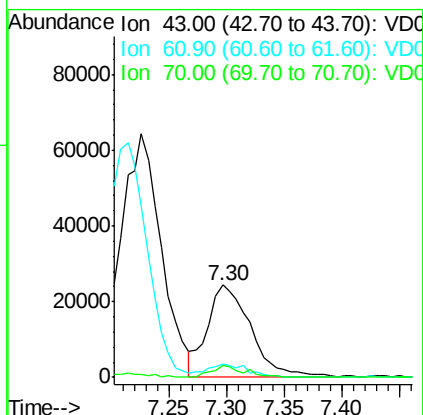
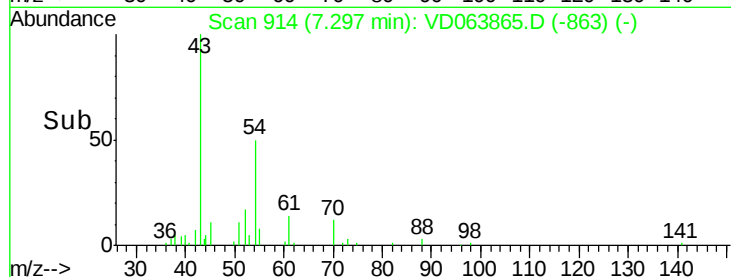
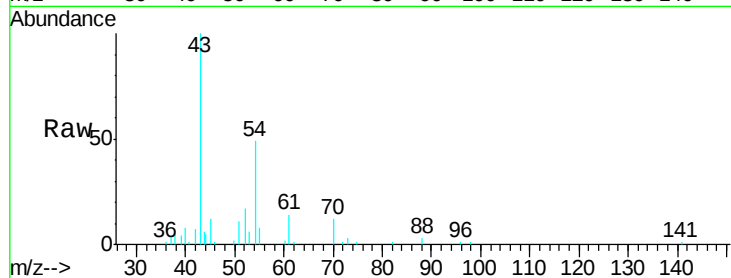




#37
Ethyl Acetate
Concen: 48.949 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

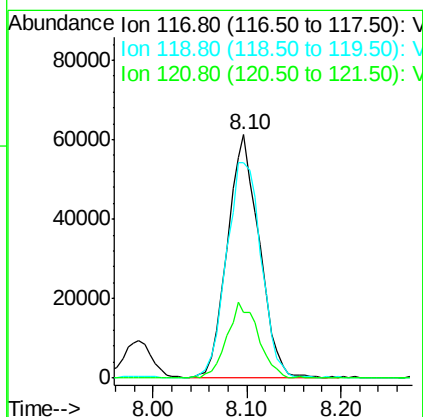
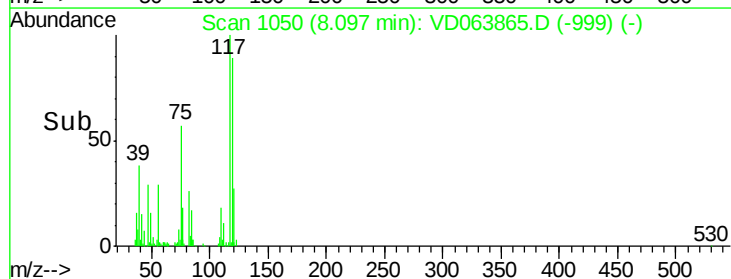
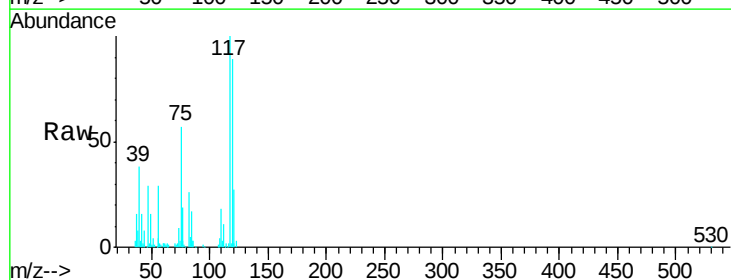
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

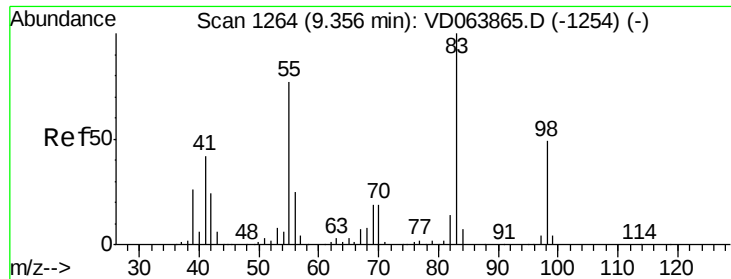
Tgt Ion: 43 Resp: 62649
Ion Ratio Lower Upper
43 100
61 14.4 11.5 17.3
70 10.3 8.2 12.4



#38
Carbon Tetrachloride
Concen: 46.691 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Tgt Ion: 117 Resp: 144712
Ion Ratio Lower Upper
117 100
119 88.5 70.8 106.2
121 26.7 21.4 32.0

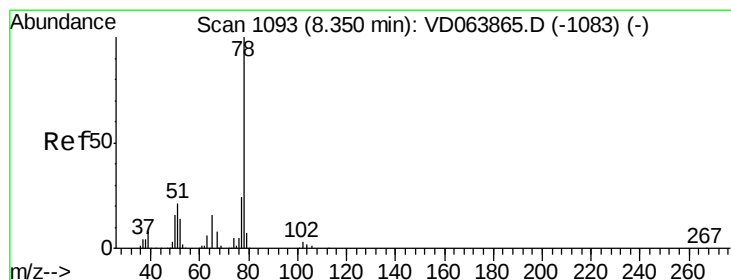
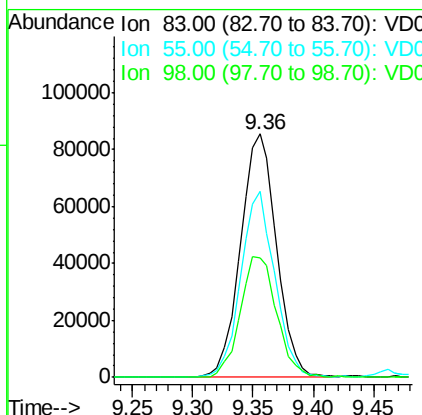
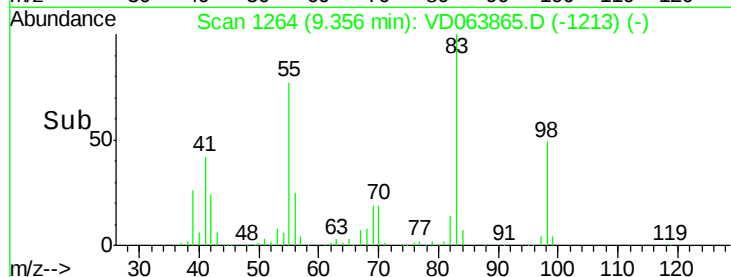
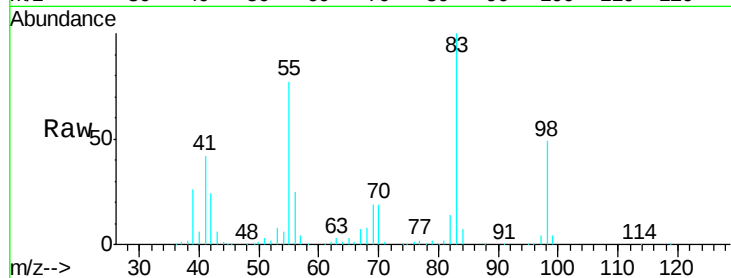




#39
Methylcyclohexane
Concen: 47.693 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

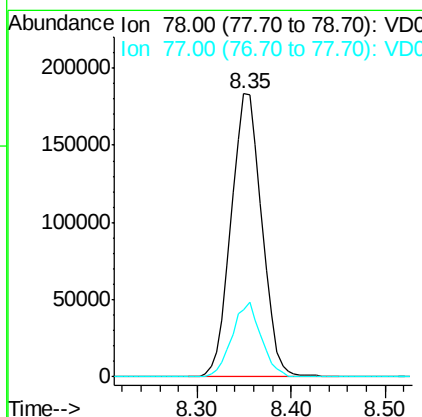
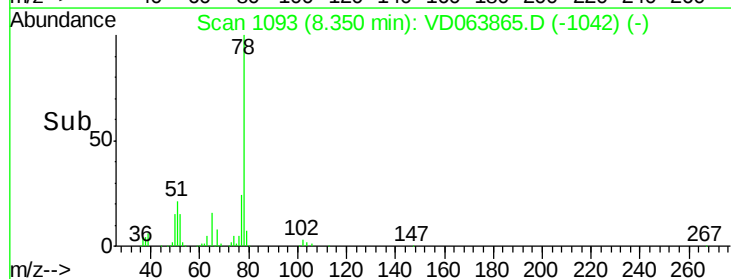
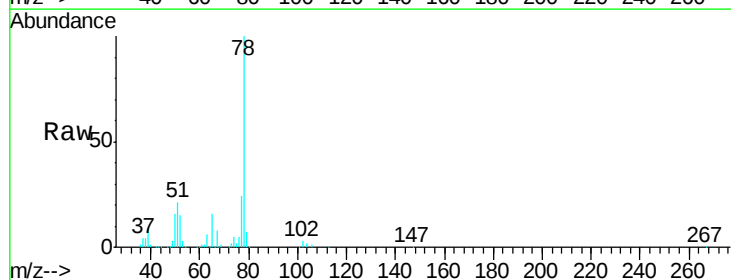
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

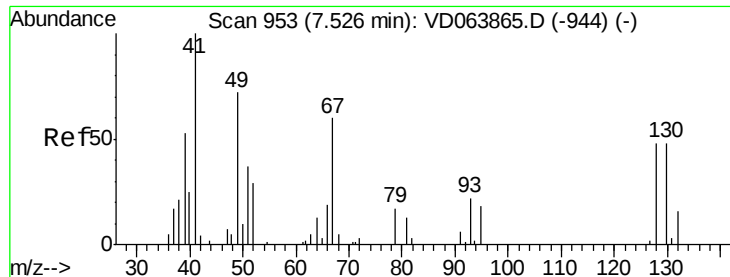
Tgt Ion: 83 Resp: 177573
Ion Ratio Lower Upper
83 100
55 76.6 61.3 91.9
98 49.1 39.3 58.9



#40
Benzene
Concen: 50.081 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Tgt Ion: 78 Resp: 416356
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.6





#41

Methacrylonitrile

Concen: 38.283 ug/l

RT: 7.53 min Scan# 953

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 41 Resp: 27707

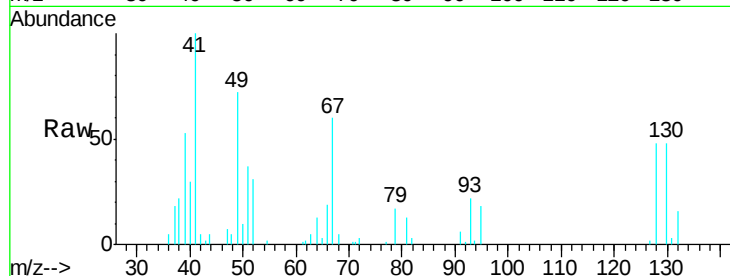
Ion Ratio Lower Upper

41 100

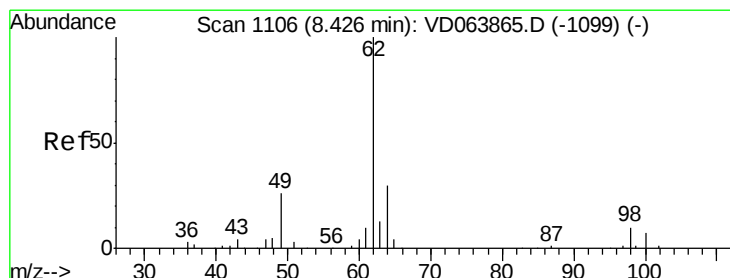
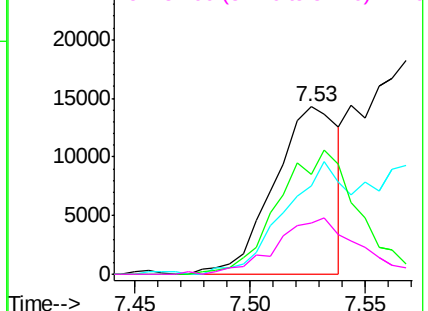
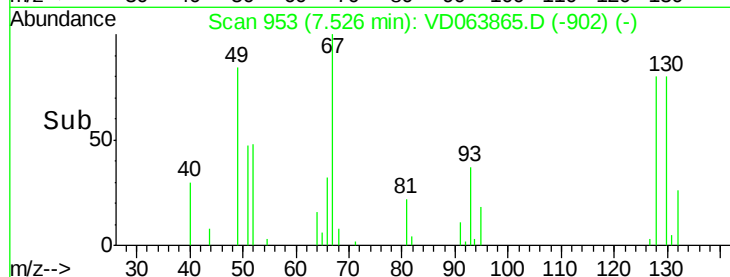
39 65.7 52.6 78.8

67 92.7 74.2 111.2

52 42.5 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: 49.839 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD063865.D

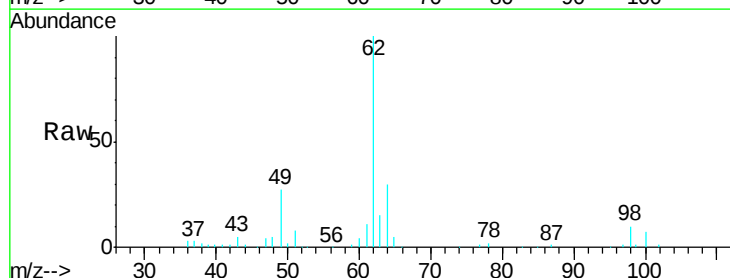
Acq: 02 Oct 2019 17:44

Tgt Ion: 62 Resp: 121381

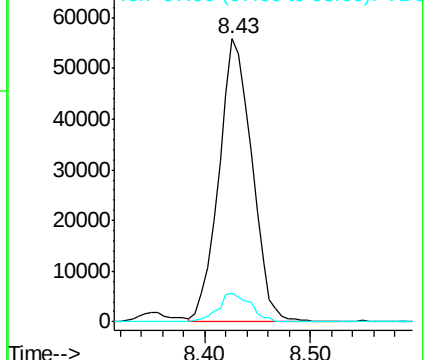
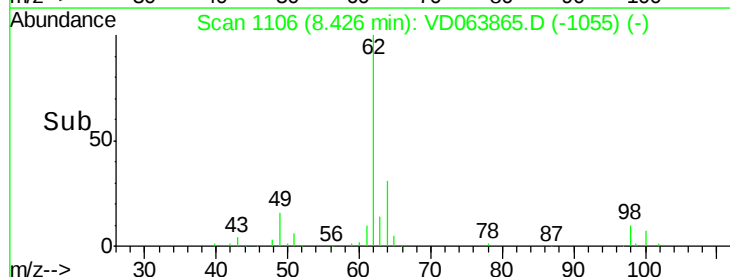
Ion Ratio Lower Upper

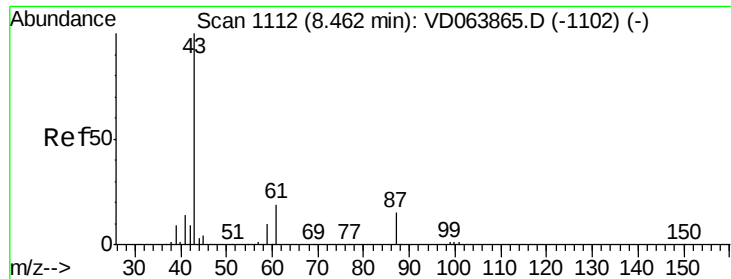
62 100

98 10.0 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: 47.136 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

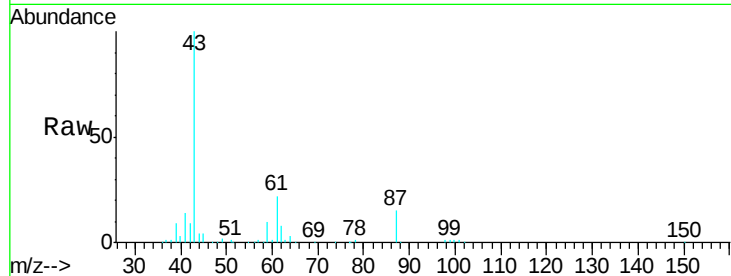
Tgt Ion: 43 Resp: 119033

Ion Ratio Lower Upper

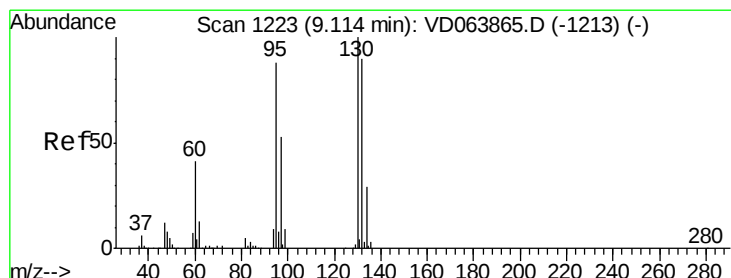
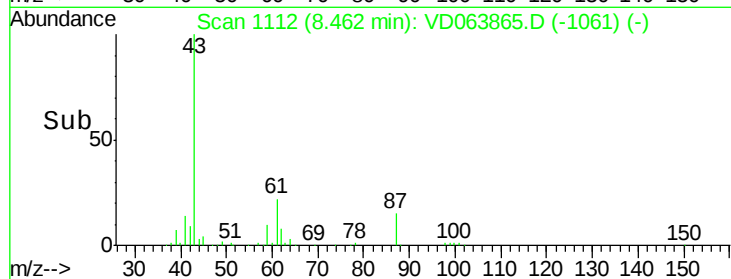
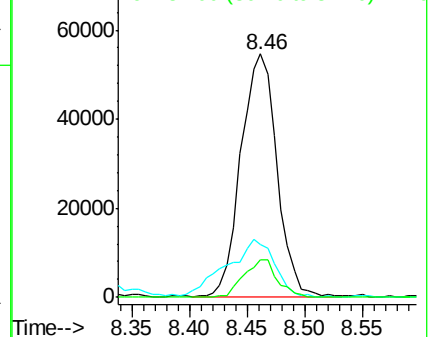
43 100

61 32.1 25.7 38.5

87 14.5 11.6 17.4



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



#44

Trichloroethene

Concen: 50.412 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD063865.D

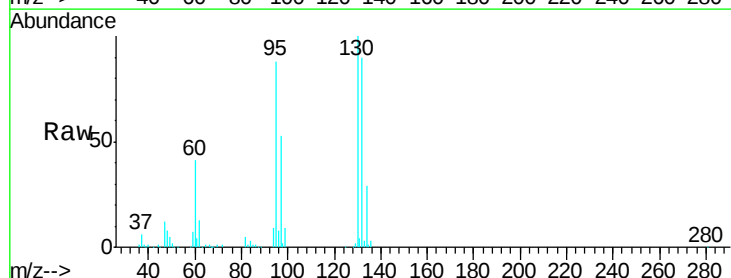
Acq: 02 Oct 2019 17:44

Tgt Ion: 130 Resp: 121605

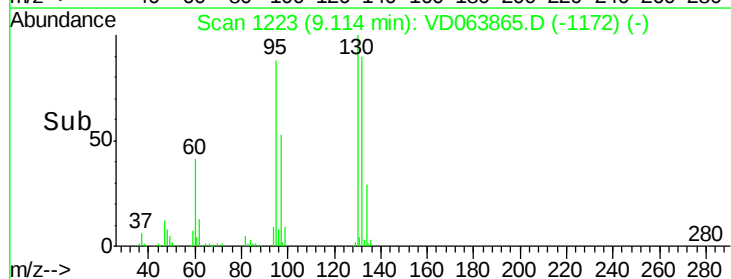
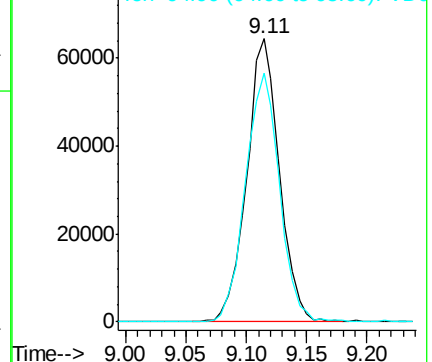
Ion Ratio Lower Upper

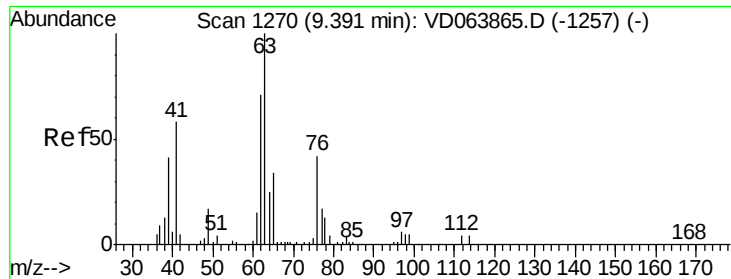
130 100

95 87.8 0.0 175.6



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

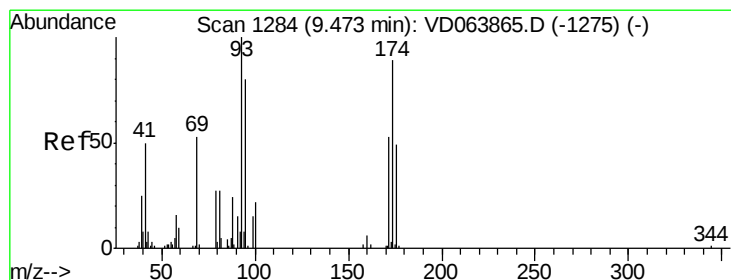
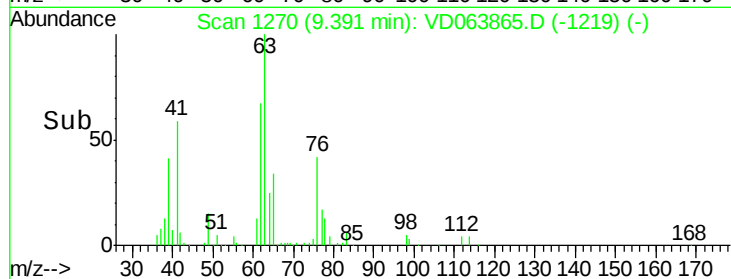
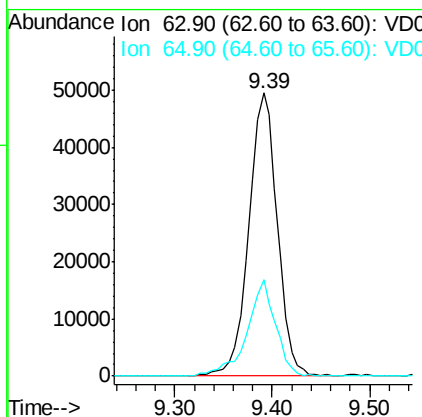
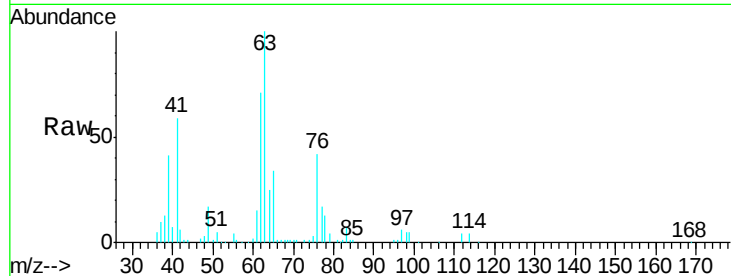




#45
 1,2-Dichloropropane
 Concen: 49.395 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD063865.D
 Acq: 02 Oct 2019 17:44

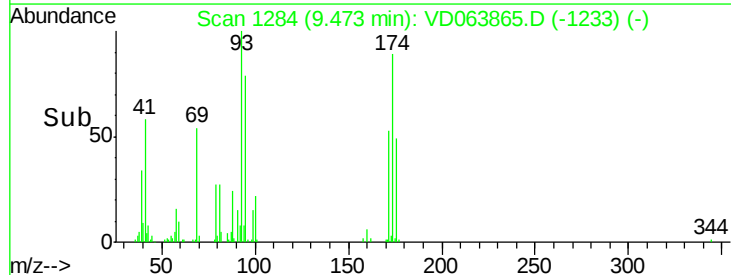
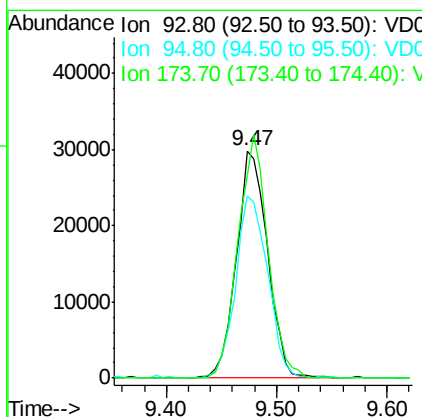
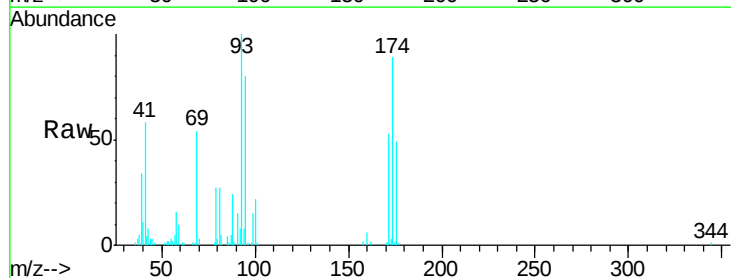
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

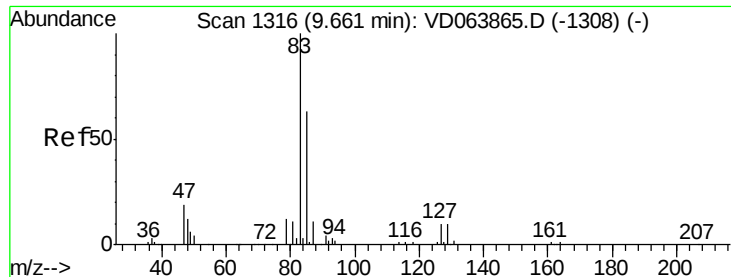
Tgt Ion: 63 Resp: 101594
 Ion Ratio Lower Upper
 63 100
 65 34.1 27.3 40.9



#46
 Dibromomethane
 Concen: 50.815 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VD063865.D
 Acq: 02 Oct 2019 17:44

Tgt Ion: 93 Resp: 59095
 Ion Ratio Lower Upper
 93 100
 95 82.5 66.0 99.0
 174 104.2 83.4 125.0





#47

Bromodichloromethane

Concen: 50.006 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

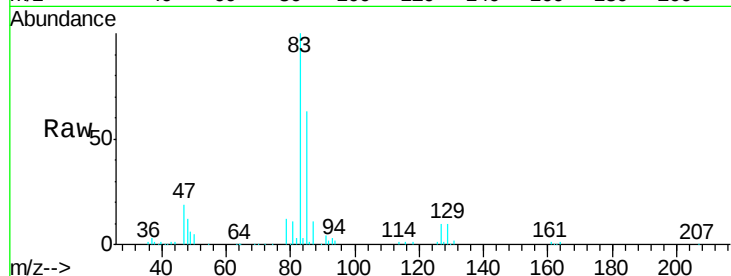
Tgt Ion: 83 Resp: 149370

Ion Ratio Lower Upper

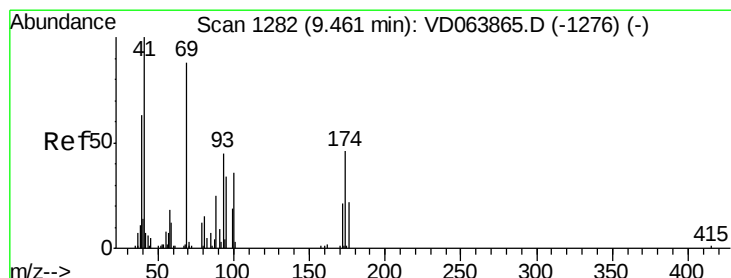
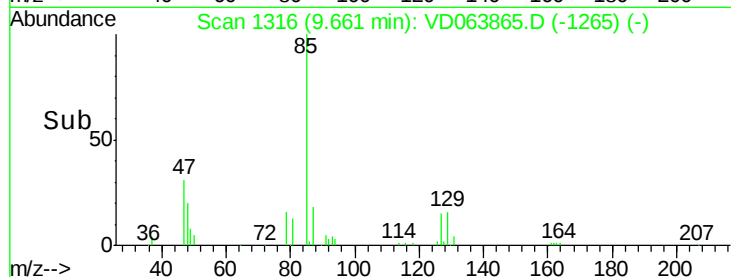
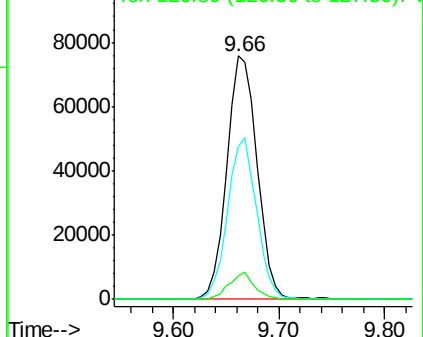
83 100

85 62.7 50.2 75.2

127 9.5 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: 47.563 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

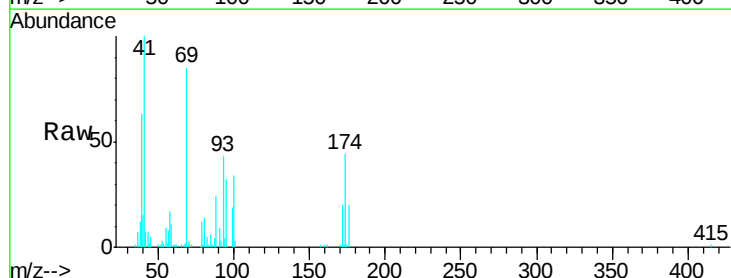
Tgt Ion: 41 Resp: 54749

Ion Ratio Lower Upper

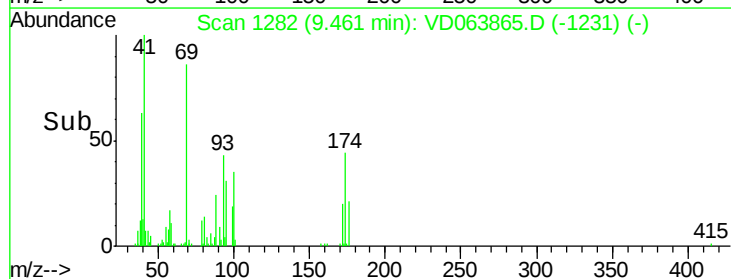
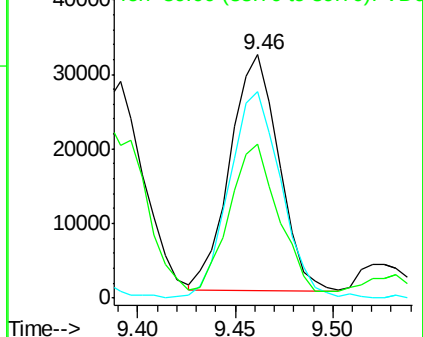
41 100

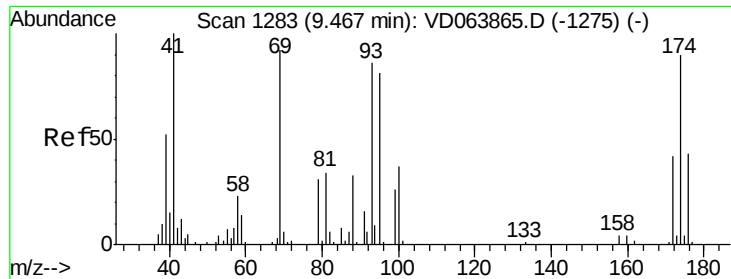
69 93.9 75.1 112.7

39 62.7 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: 1011.632 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

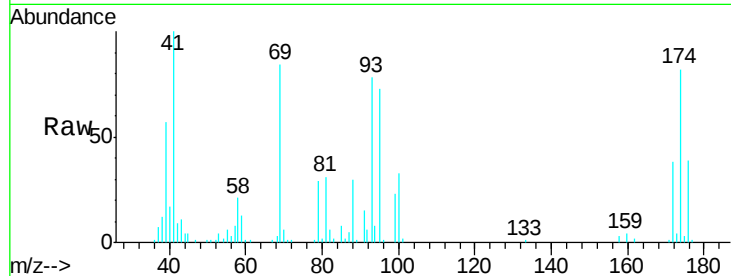
Tgt Ion: 88 Resp: 16664

Ion Ratio Lower Upper

88 100

43 34.5 27.6 41.4

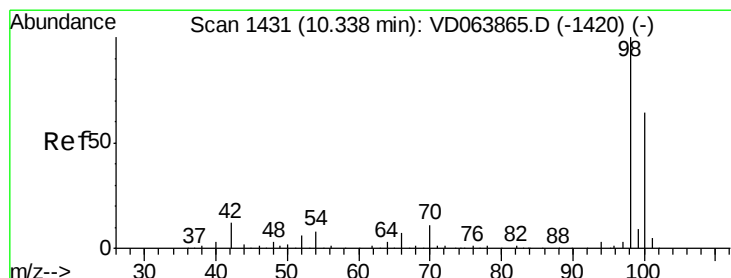
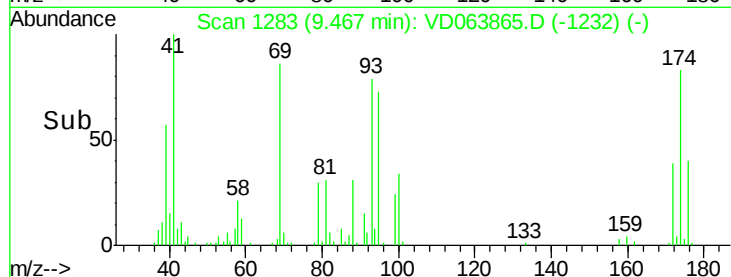
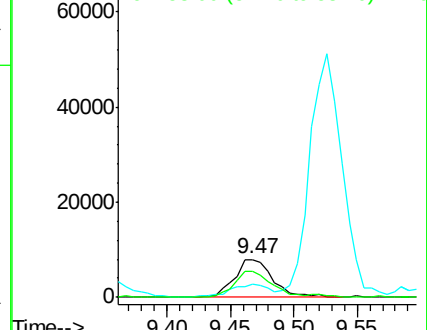
58 67.6 54.1 81.1



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: 51.429 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD063865.D

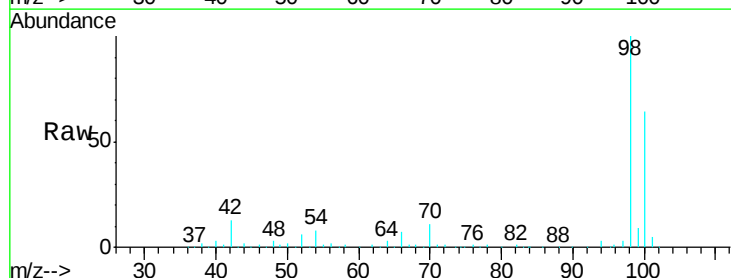
Acq: 02 Oct 2019 17:44

Tgt Ion: 98 Resp: 406134

Ion Ratio Lower Upper

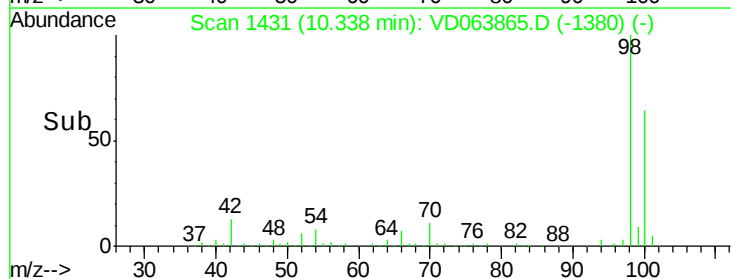
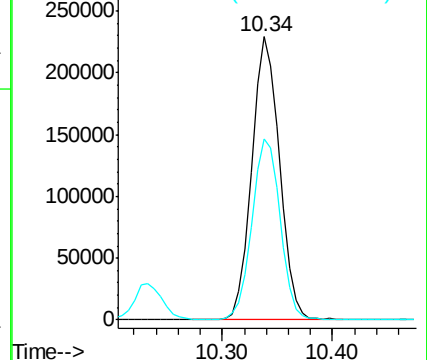
98 100

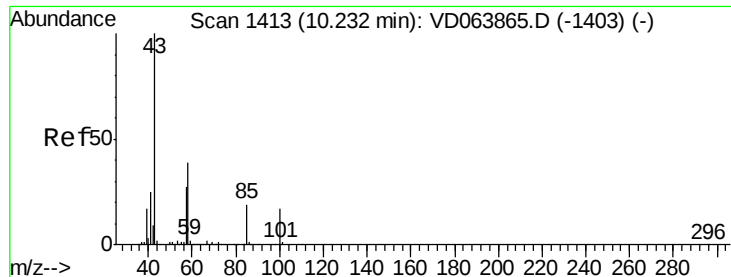
100 65.1 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

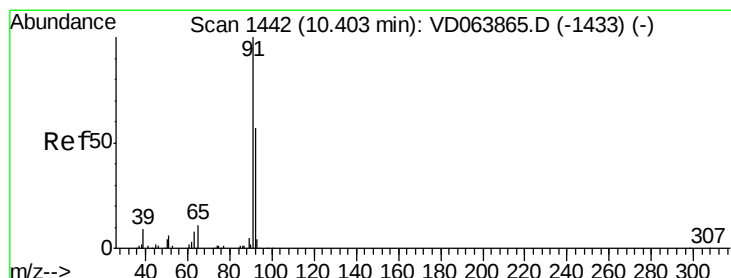
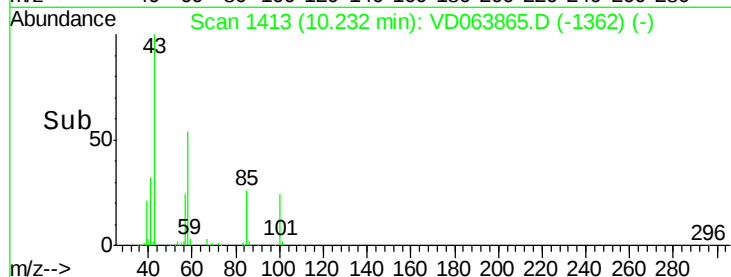
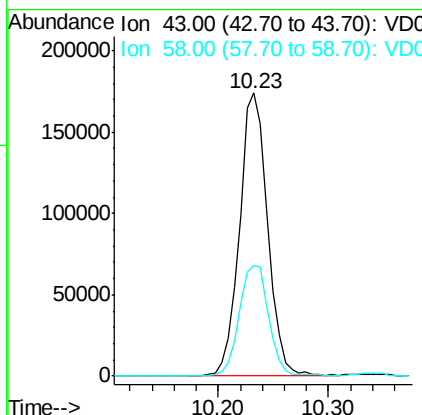
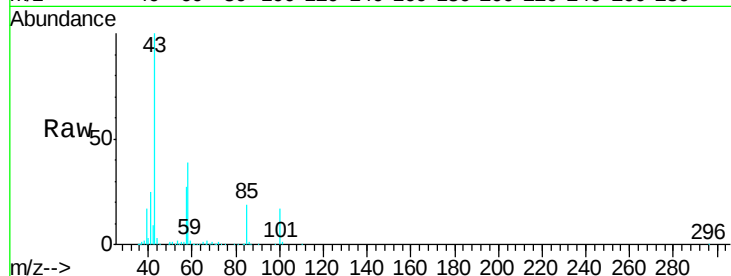




#51
 4-Methyl-2-Pentanone
 Concen: 243.534 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD063865.D
 Acq: 02 Oct 2019 17:44

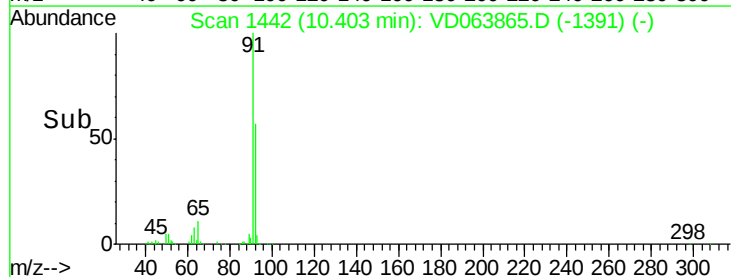
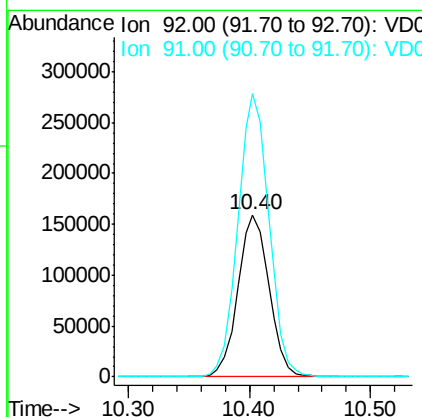
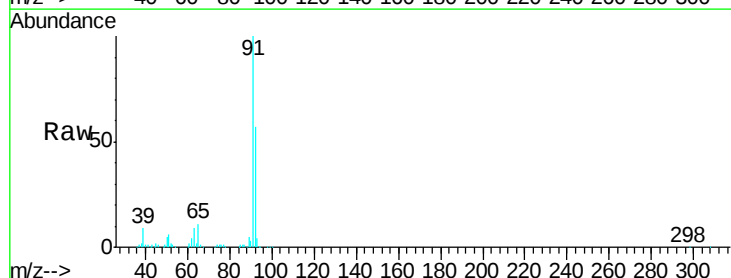
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

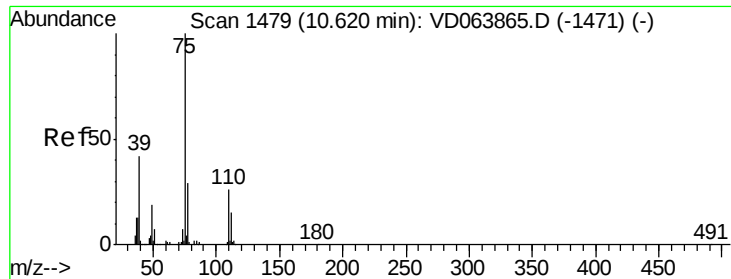
Tgt Ion: 43 Resp: 311911
 Ion Ratio Lower Upper
 43 100
 58 41.2 33.0 49.4



#52
 Toluene
 Concen: 50.821 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VD063865.D
 Acq: 02 Oct 2019 17:44

Tgt Ion: 92 Resp: 287124
 Ion Ratio Lower Upper
 92 100
 91 174.4 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 50.863 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

Instrument :

MSVOA_D

ClientSampleId :

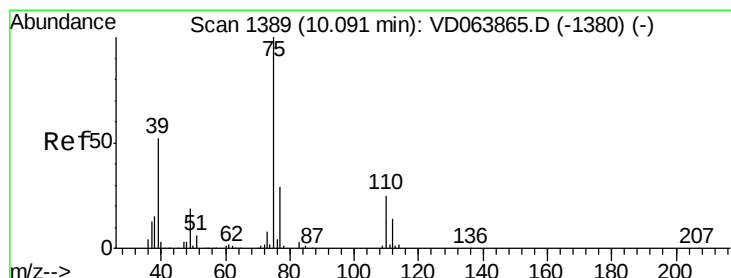
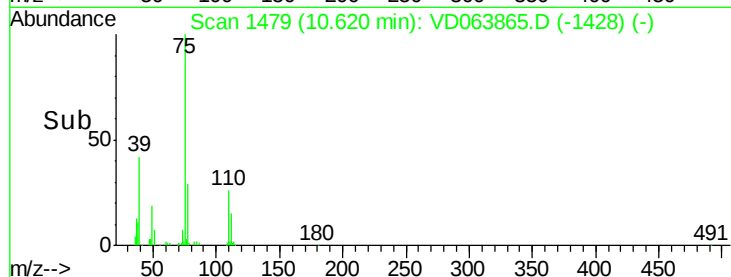
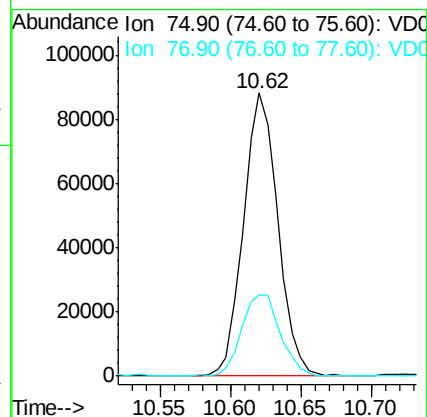
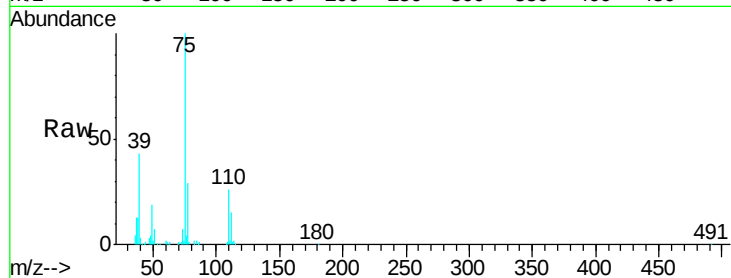
VSTDICCC050

Tgt Ion: 75 Resp: 150701

Ion Ratio Lower Upper

75 100

77 28.5 22.8 34.2



#54

cis-1,3-Dichloropropene

Concen: 50.210 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

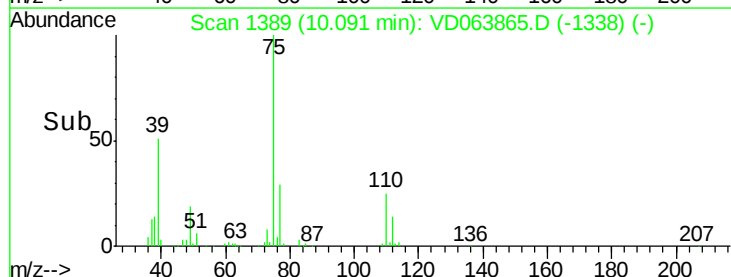
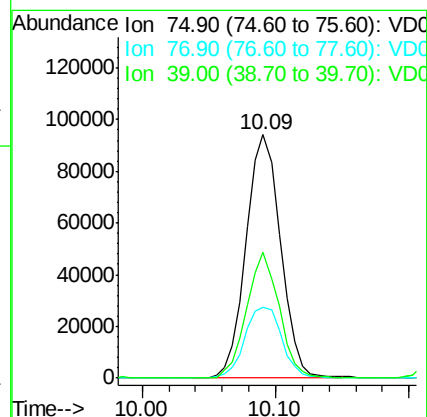
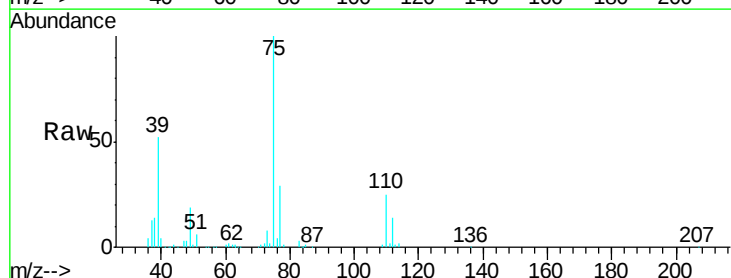
Tgt Ion: 75 Resp: 168469

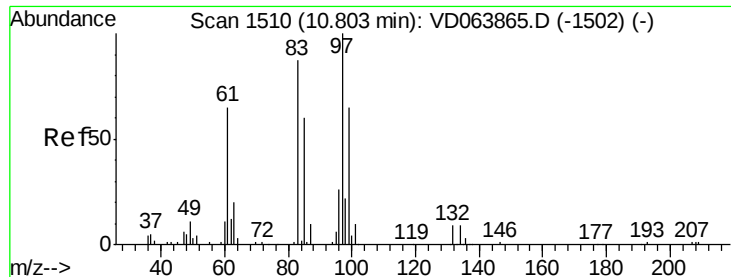
Ion Ratio Lower Upper

75 100

77 29.0 23.2 34.8

39 51.9 41.5 62.3

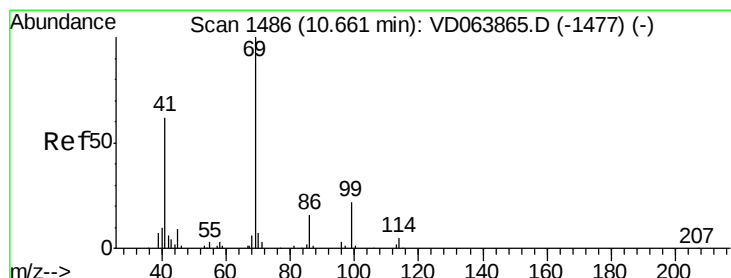
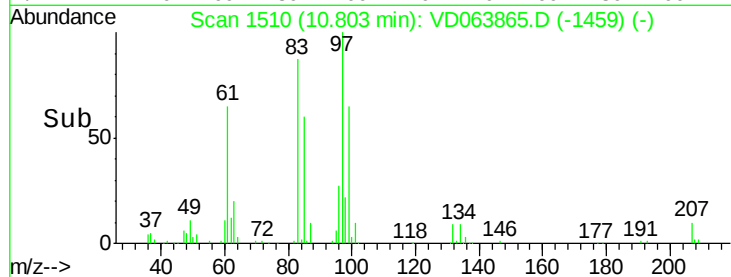
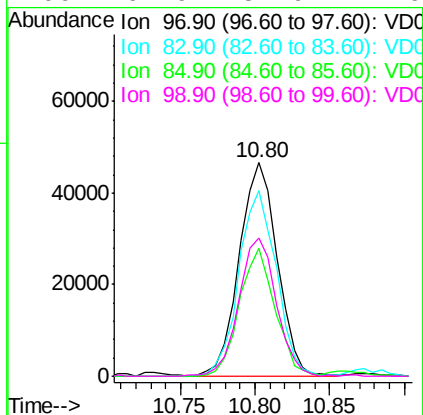
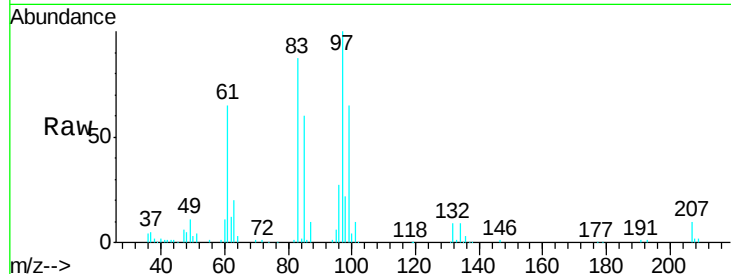




#55
 1,1,2-Trichloroethane
 Concen: 50.350 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD063865.D
 Acq: 02 Oct 2019 17:44

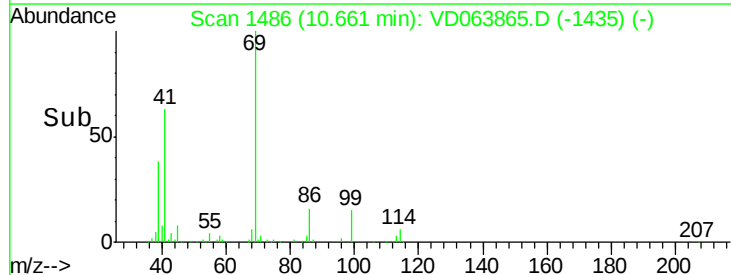
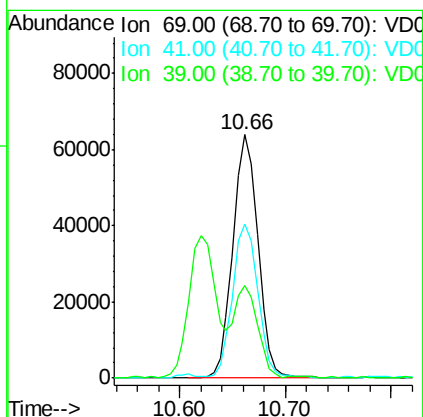
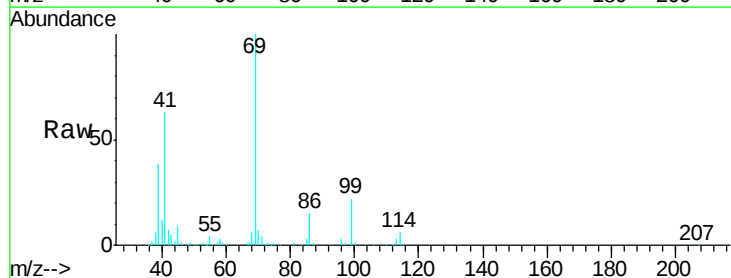
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

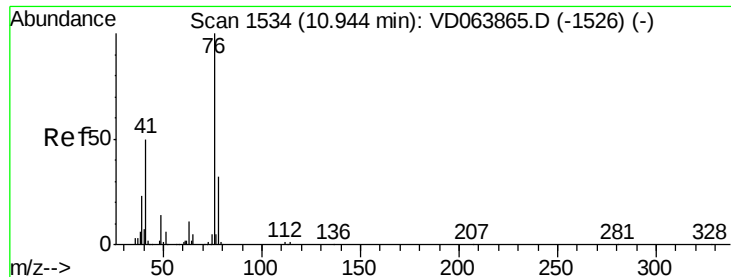
Tgt Ion: 97 Resp: 82436
 Ion Ratio Lower Upper
 97 100
 83 87.1 69.7 104.5
 85 60.1 48.1 72.1
 99 64.9 51.9 77.9



#56
 Ethyl methacrylate
 Concen: 50.352 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD063865.D
 Acq: 02 Oct 2019 17:44

Tgt Ion: 69 Resp: 105117
 Ion Ratio Lower Upper
 69 100
 41 64.1 51.3 76.9
 39 35.0 28.0 42.0

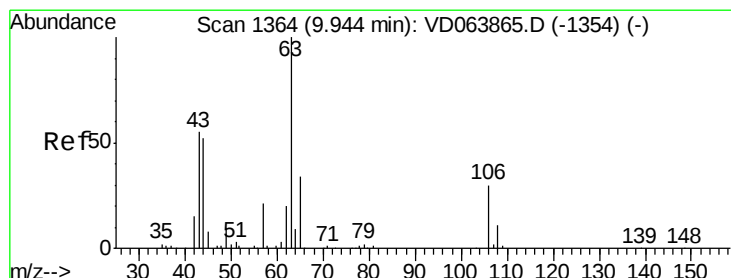
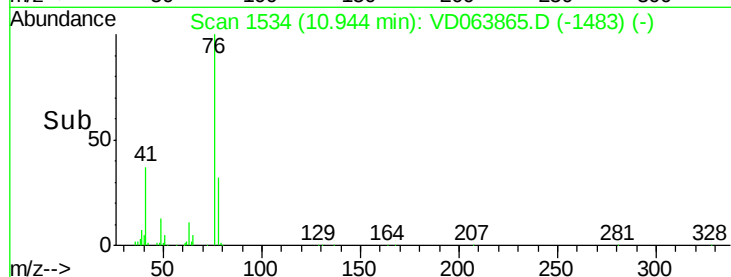
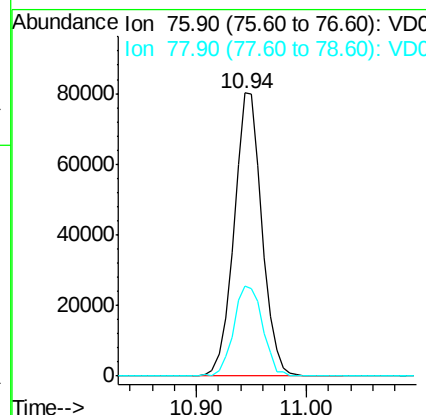
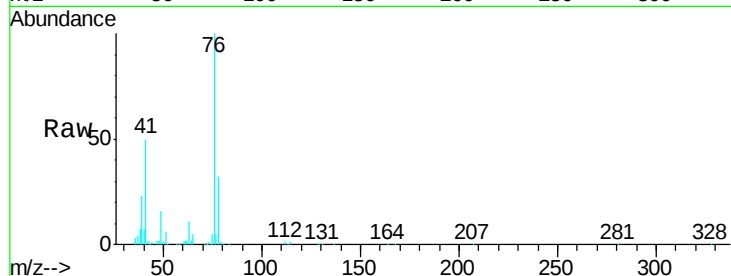




#57
 1,3-Dichloropropane
 Concen: 50.633 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD063865.D
 Acq: 02 Oct 2019 17:44

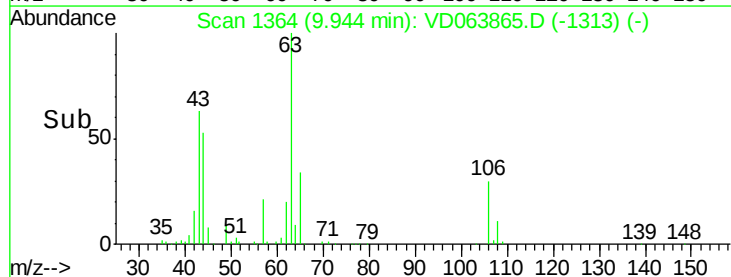
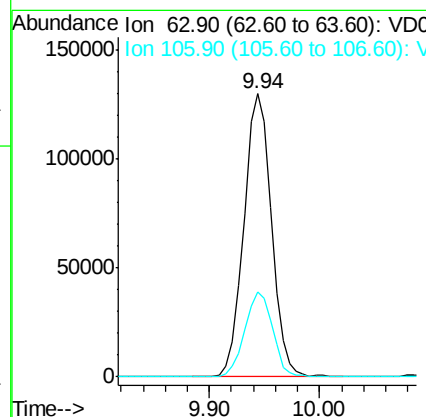
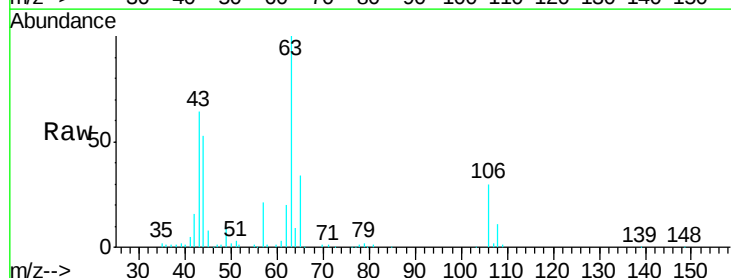
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

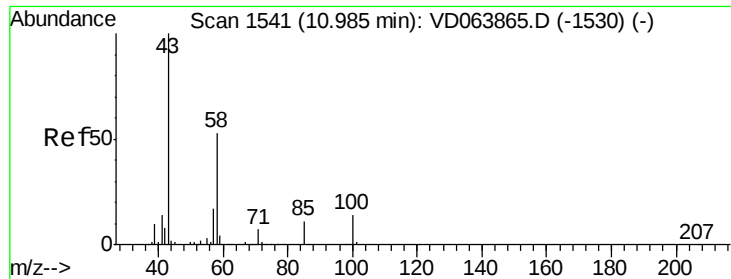
Tgt Ion: 76 Resp: 141803
 Ion Ratio Lower Upper
 76 100
 78 33.3 26.6 40.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 245.158 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD063865.D
 Acq: 02 Oct 2019 17:44

Tgt Ion: 63 Resp: 228651
 Ion Ratio Lower Upper
 63 100
 106 30.4 24.3 36.5

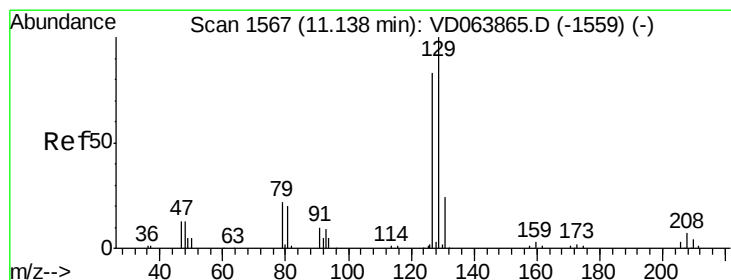
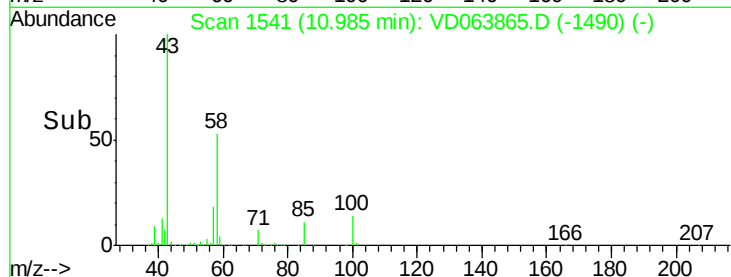
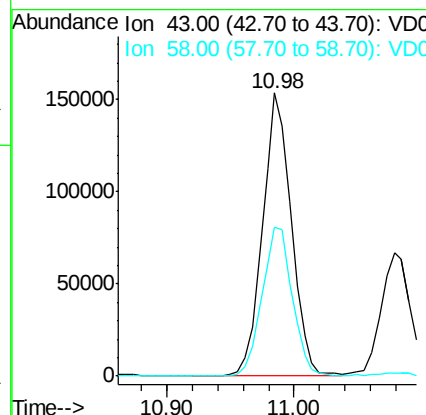
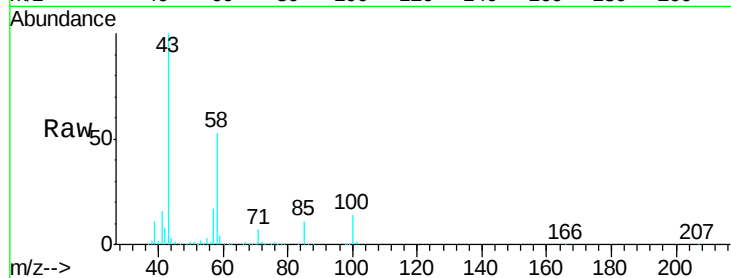




#59
2-Hexanone
Concen: 262.437 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

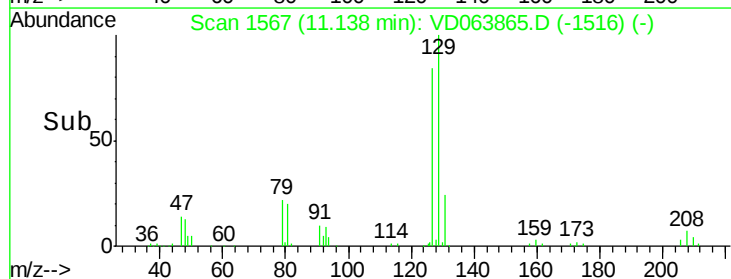
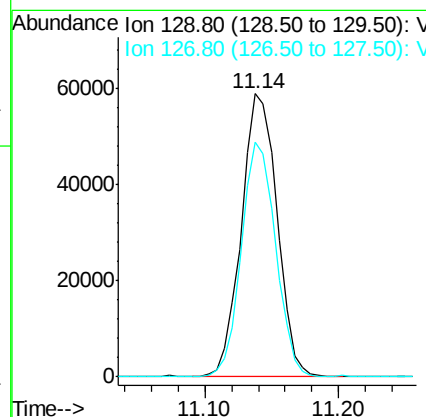
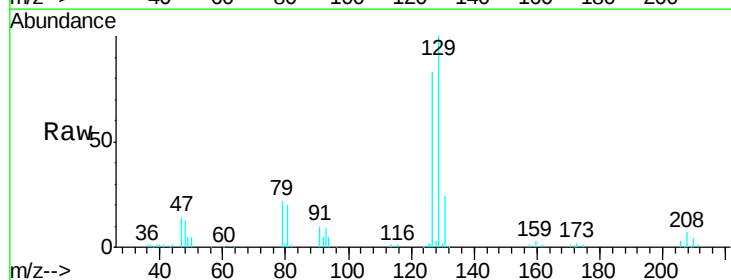
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

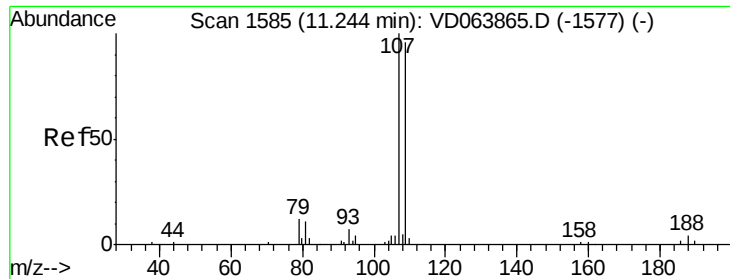
Tgt Ion: 43 Resp: 243756
Ion Ratio Lower Upper
43 100
58 55.3 27.7 83.0



#60
Dibromochloromethane
Concen: 50.308 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Tgt Ion: 129 Resp: 108822
Ion Ratio Lower Upper
129 100
127 79.7 39.9 119.6

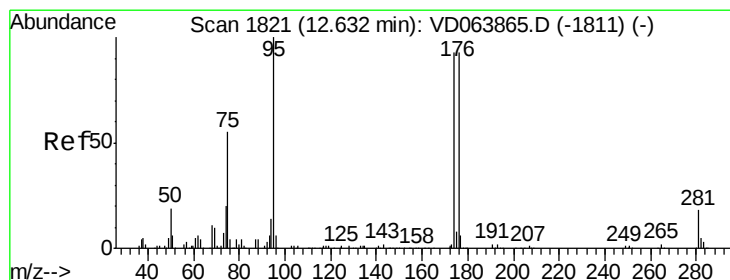
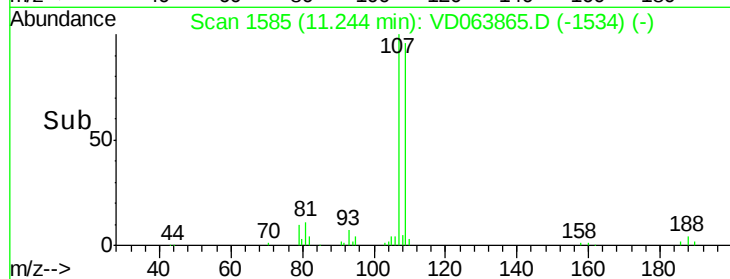
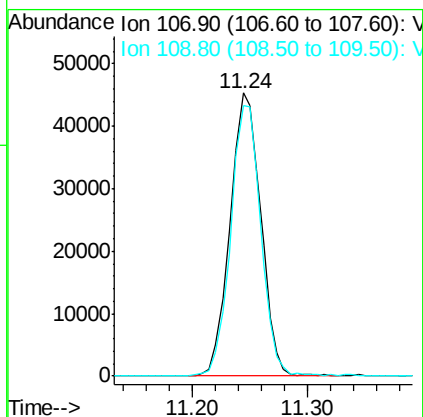
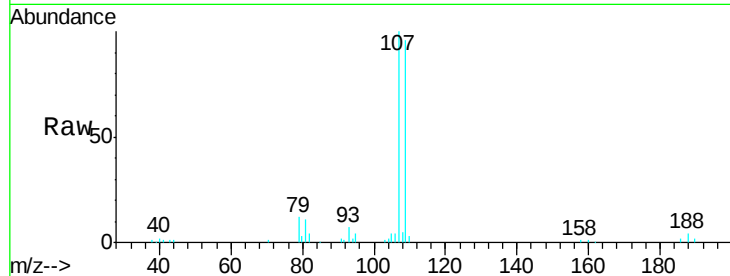




#61
 1,2-Dibromoethane
 Concen: 50.866 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD063865.D
 Acq: 02 Oct 2019 17:44

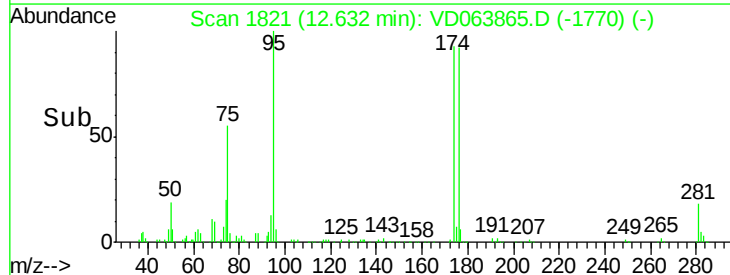
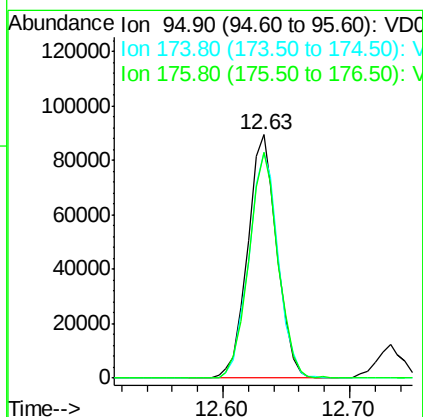
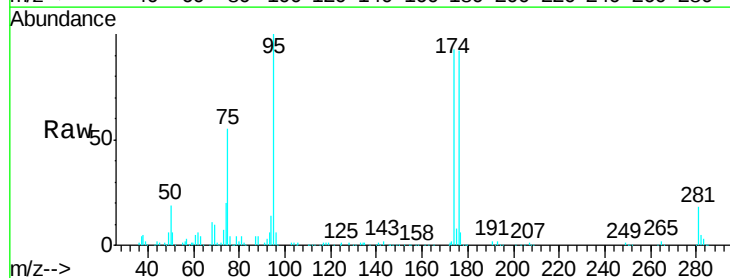
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

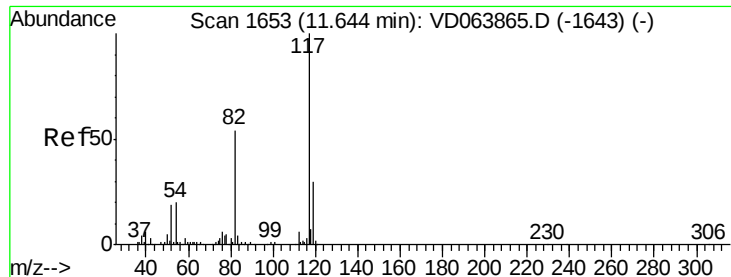
Tgt Ion: 107 Resp: 83558
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 50.542 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD063865.D
 Acq: 02 Oct 2019 17:44

Tgt Ion: 95 Resp: 143824
 Ion Ratio Lower Upper
 95 100
 174 93.2 0.0 186.4
 176 92.1 0.0 184.2

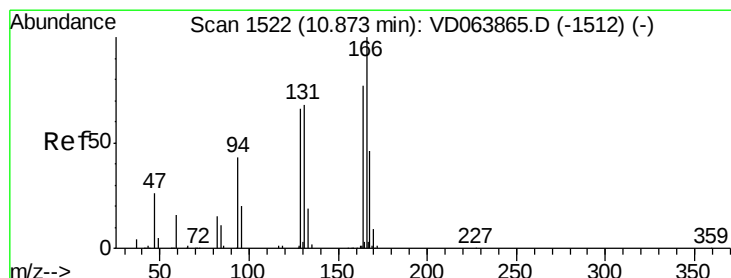
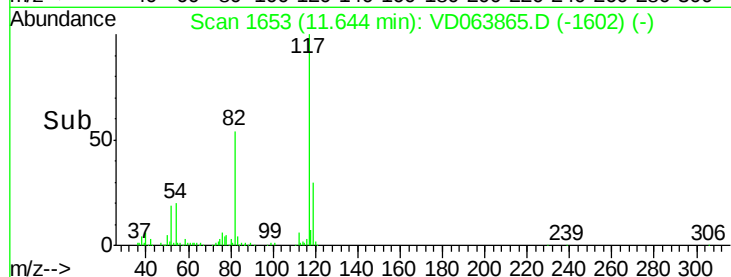
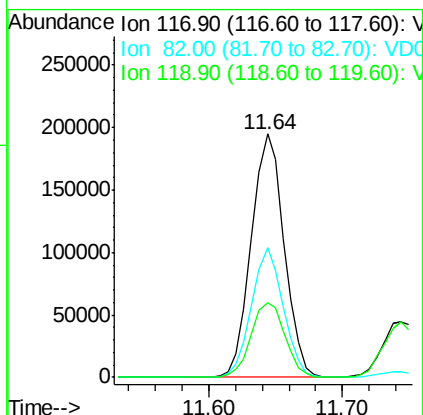
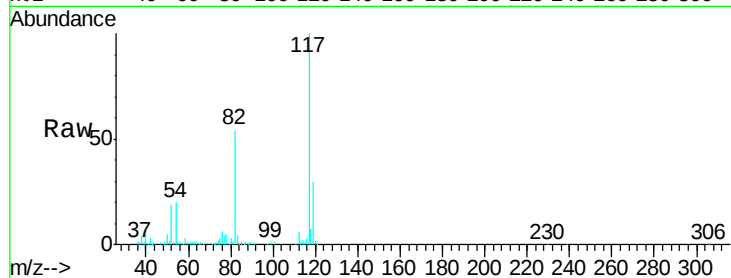




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

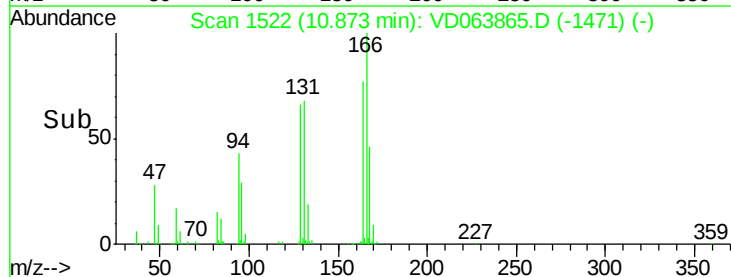
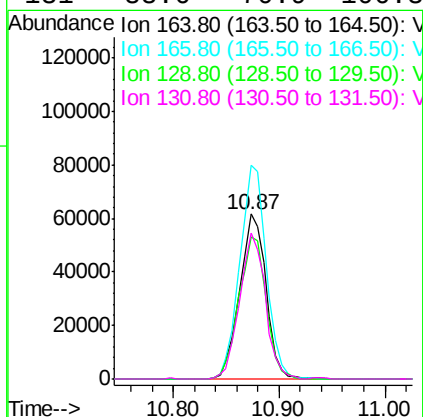
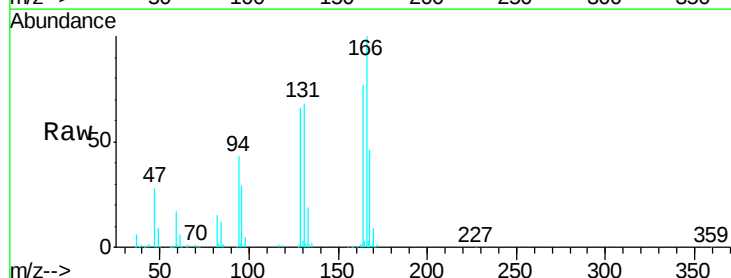
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

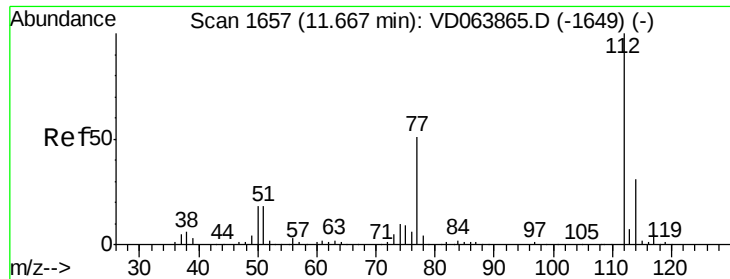
Tgt Ion:117 Resp: 330483
Ion Ratio Lower Upper
117 100
82 53.5 42.8 64.2
119 30.5 24.4 36.6



#64
Tetrachloroethene
Concen: 48.170 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Tgt Ion:164 Resp: 106230
Ion Ratio Lower Upper
164 100
166 129.7 103.8 155.6
129 86.1 68.9 103.3
131 88.6 70.9 106.3





#65

Chlorobenzene

Concen: 49.535 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

Instrument :

MSVOA_D

ClientSampleId :

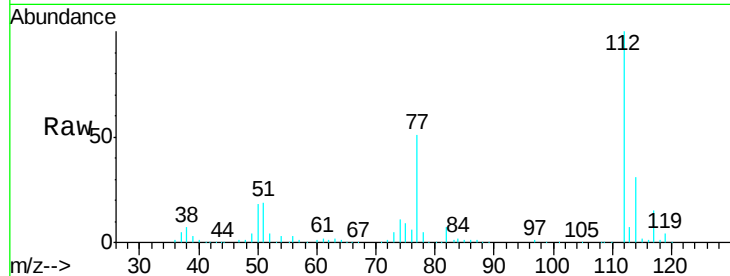
VSTDICCC050

Tgt Ion:112 Resp: 327549

Ion Ratio Lower Upper

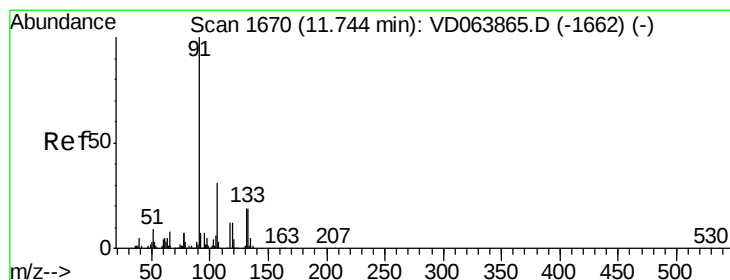
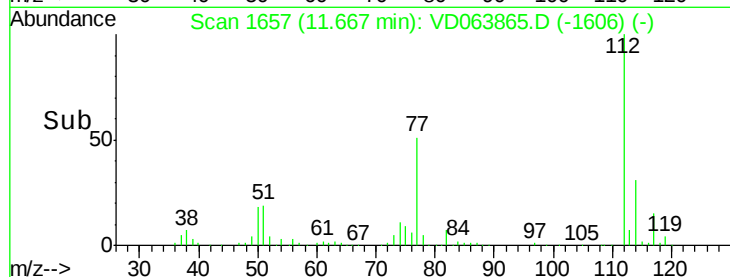
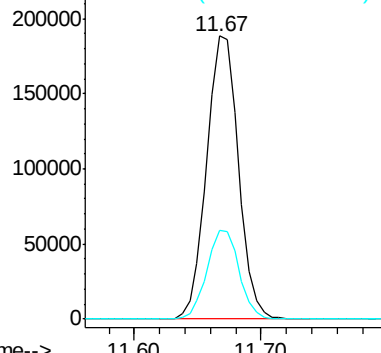
112 100

114 31.4 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 48.925 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

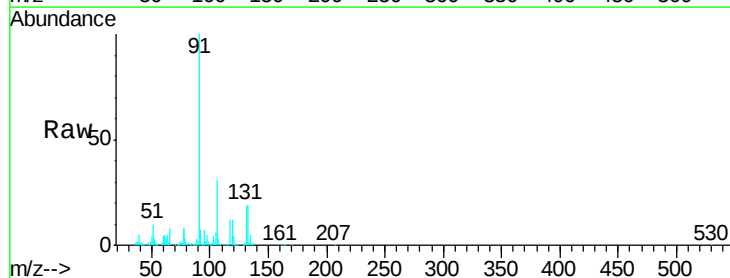
Tgt Ion:131 Resp: 118697

Ion Ratio Lower Upper

131 100

133 97.8 48.9 146.7

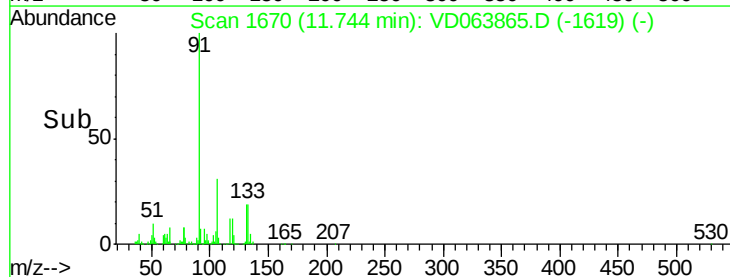
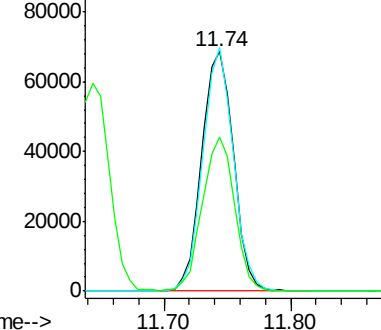
119 65.2 32.6 97.8

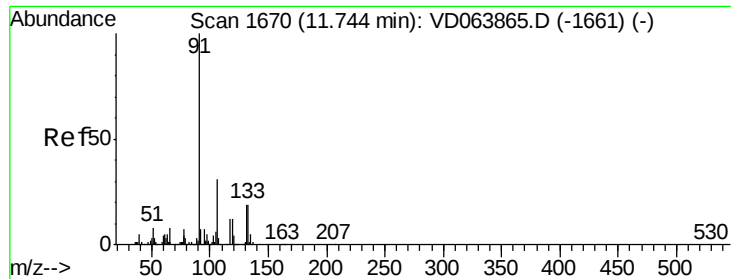


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

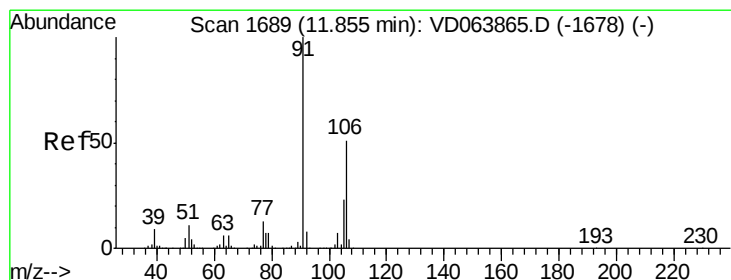
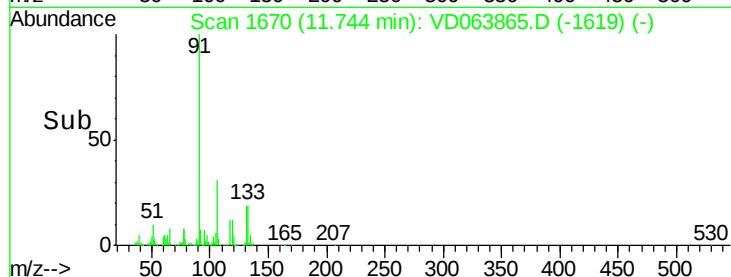
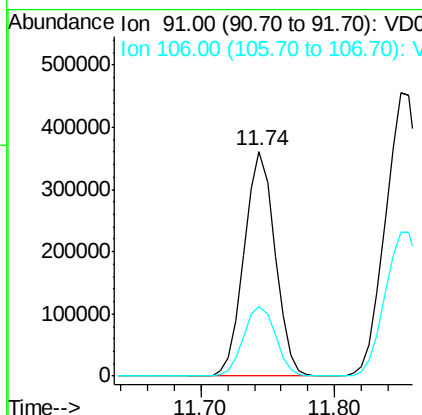
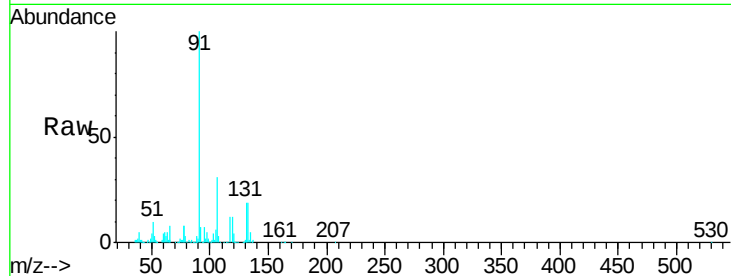




#67
 Ethyl Benzene
 Concen: 48.630 ug/l
 RT: 11.74 min Scan# 1670
 Delta R.T. 0.00 min
 Lab File: VD063865.D
 Acq: 02 Oct 2019 17:44

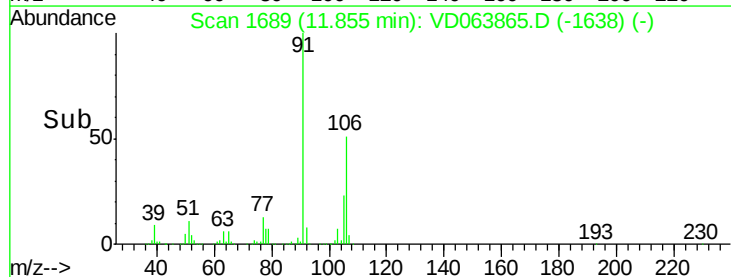
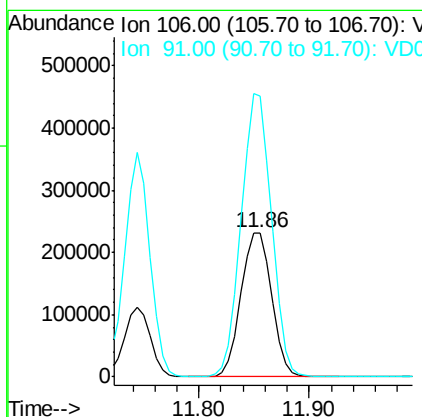
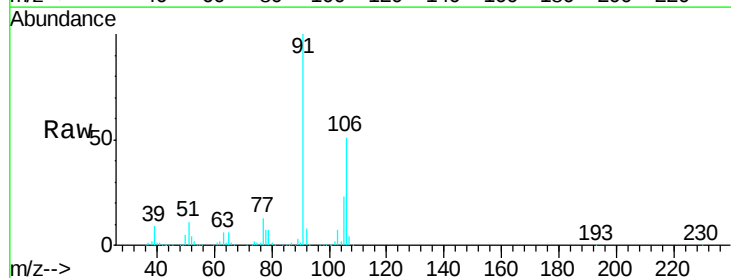
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

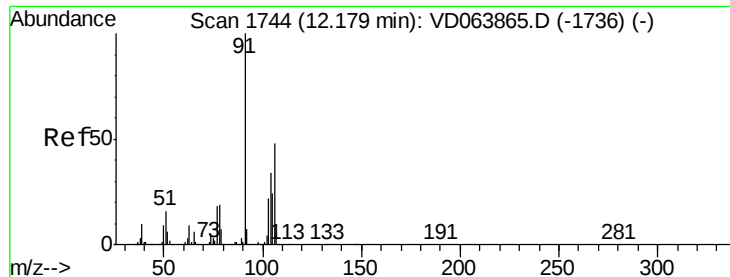
Tgt Ion: 91 Resp: 577910
 Ion Ratio Lower Upper
 91 100
 106 30.8 24.6 37.0



#68
 m/p-Xylenes
 Concen: 99.241 ug/l
 RT: 11.86 min Scan# 1689
 Delta R.T. 0.00 min
 Lab File: VD063865.D
 Acq: 02 Oct 2019 17:44

Tgt Ion: 106 Resp: 455154
 Ion Ratio Lower Upper
 106 100
 91 193.5 154.8 232.2

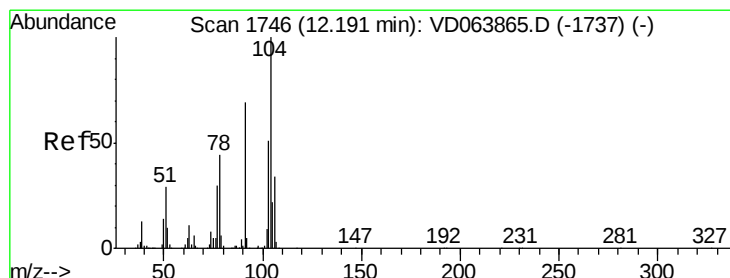
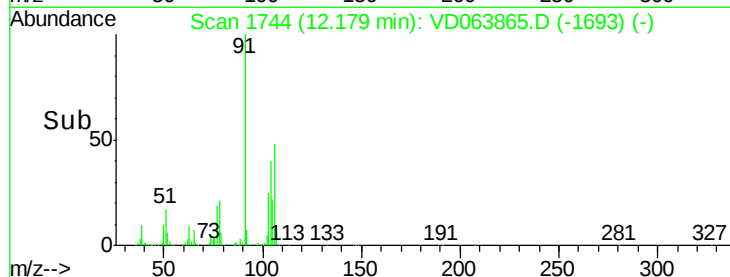
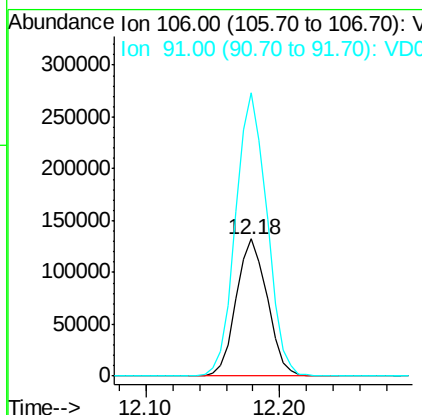
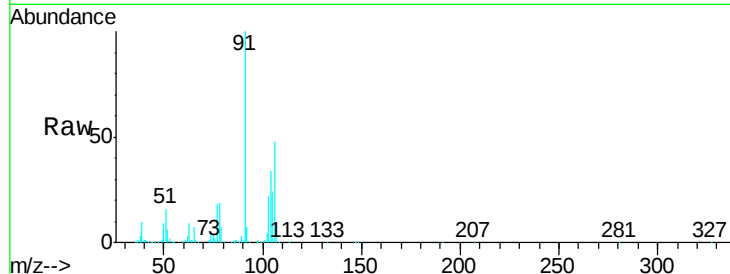




#69
o-Xylene
Concen: 49.595 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

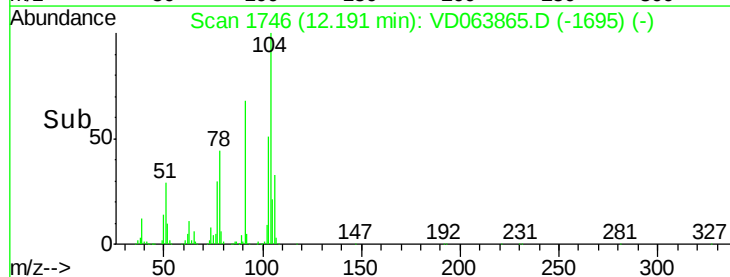
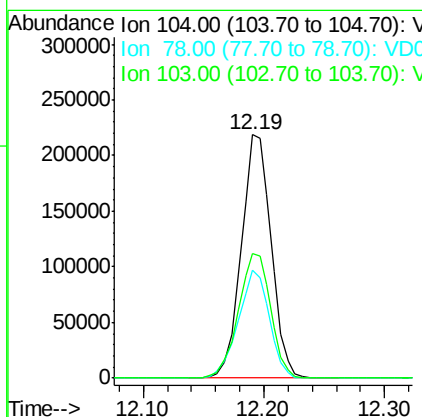
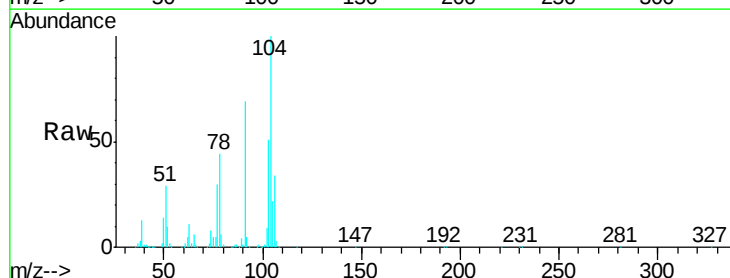
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

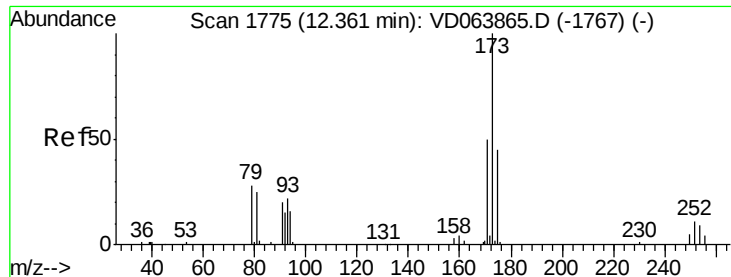
Tgt Ion:106 Resp: 214096
Ion Ratio Lower Upper
106 100
91 207.8 103.9 311.7



#70
Styrene
Concen: 51.413 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Tgt Ion:104 Resp: 376983
Ion Ratio Lower Upper
104 100
78 46.2 37.0 55.4
103 55.3 44.2 66.4

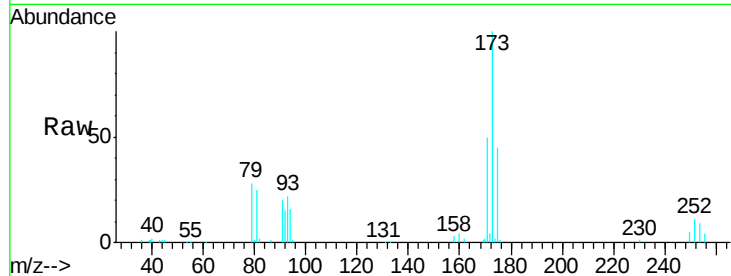




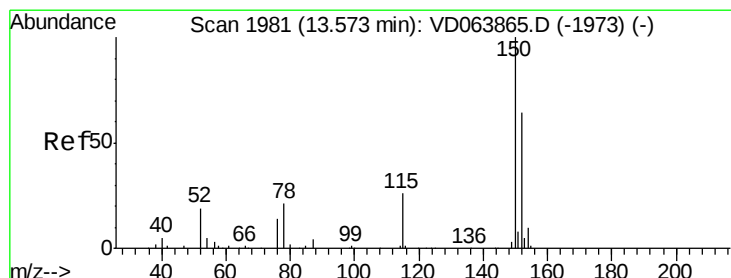
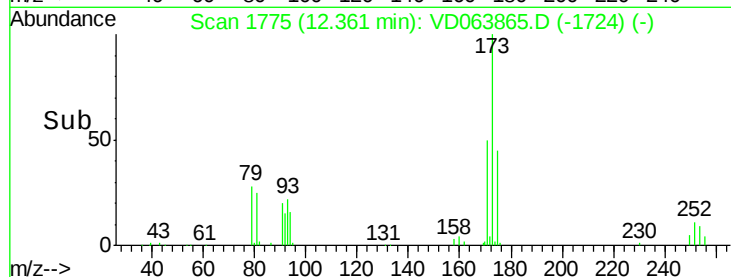
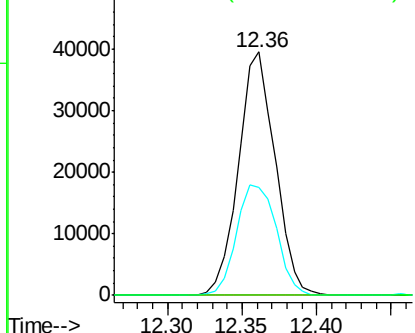
#71
Bromoform
Concen: 50.287 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 67471
Ion Ratio Lower Upper
173 100
175 49.3 24.6 74.0
254 0.0 0.0 0.0

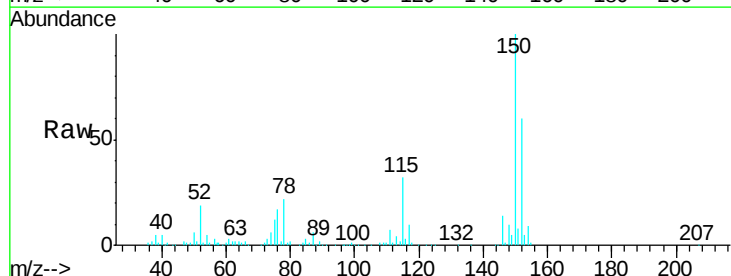


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

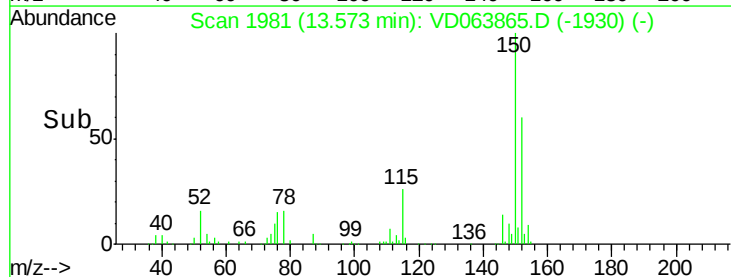
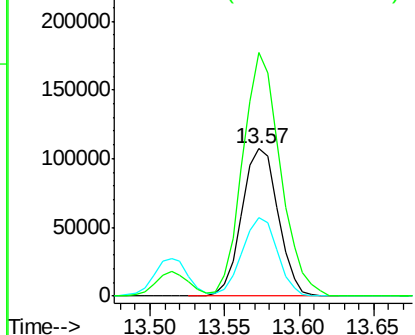


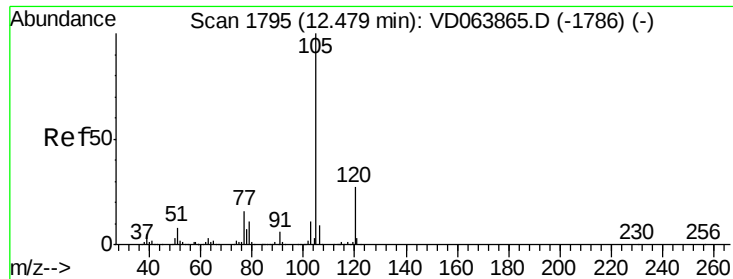
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Tgt Ion:152 Resp: 180294
Ion Ratio Lower Upper
152 100
115 51.8 25.9 77.7
150 172.1 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: 47.365 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

Instrument :

MSVOA_D

ClientSampleId :

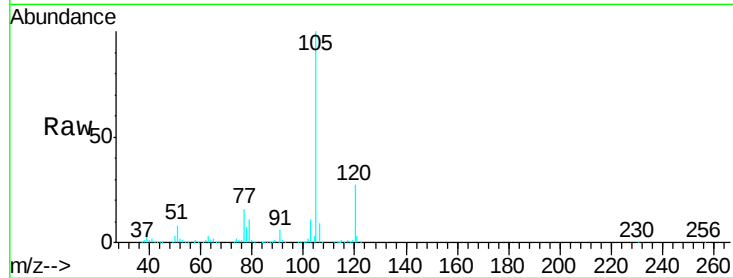
VSTDICCC050

Tgt Ion: 105 Resp: 577607

Ion Ratio Lower Upper

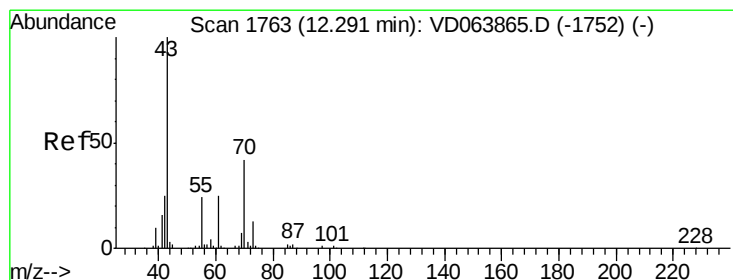
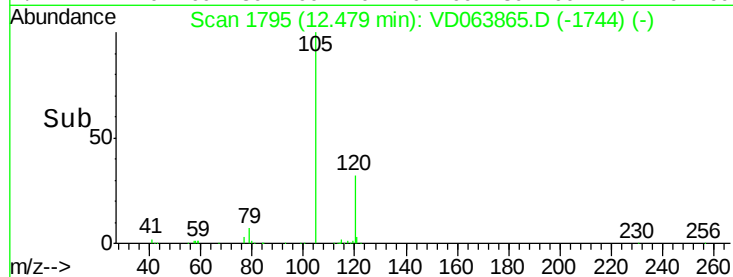
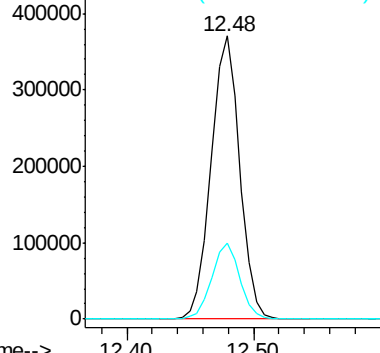
105 100

120 26.5 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.296 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

Tgt Ion: 43 Resp: 121299

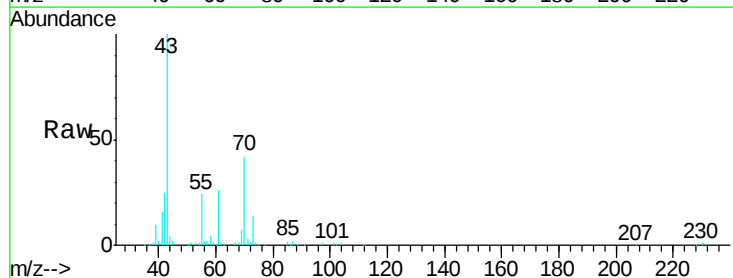
Ion Ratio Lower Upper

43 100

70 44.7 35.8 53.6

55 24.2 19.4 29.0

61 25.5 20.4 30.6

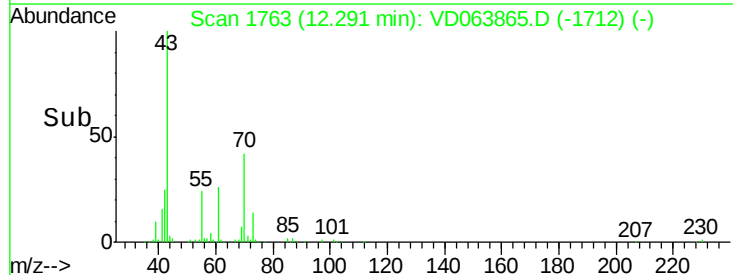
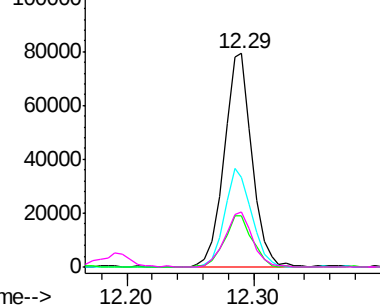


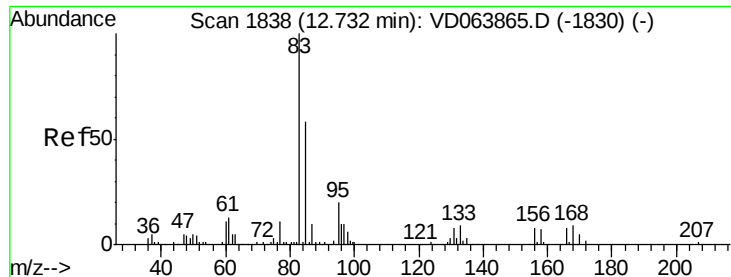
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 47.720 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

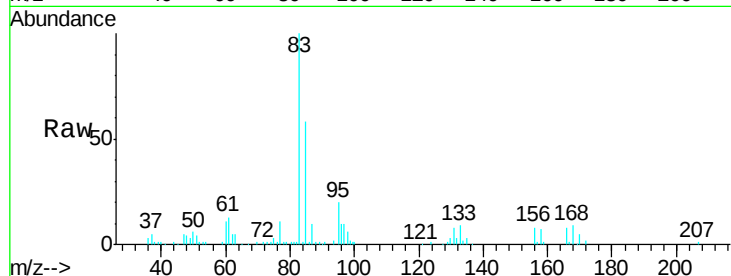
Tgt Ion: 83 Resp: 97392

Ion Ratio Lower Upper

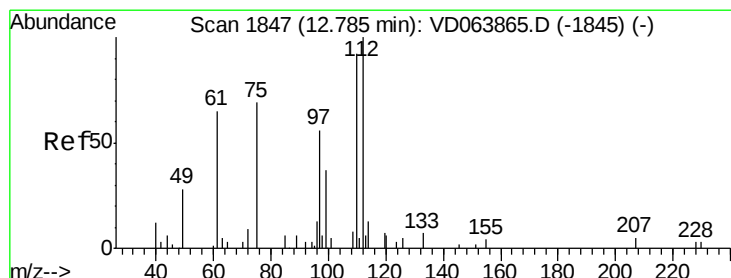
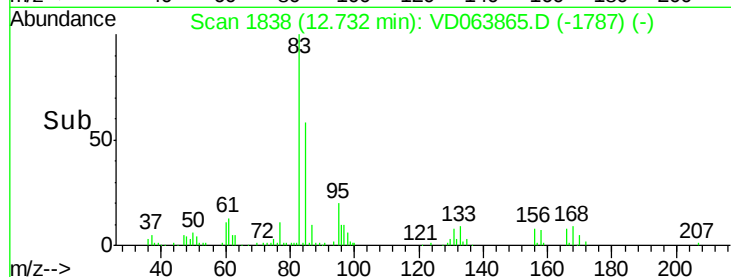
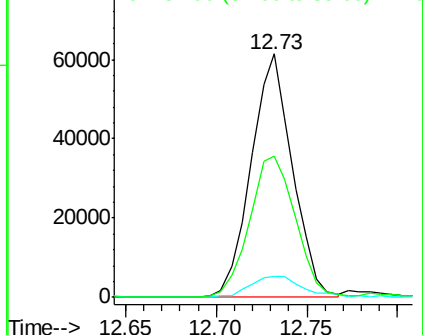
83 100

131 11.2 5.6 16.8

85 64.5 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: 94.922 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD063865.D

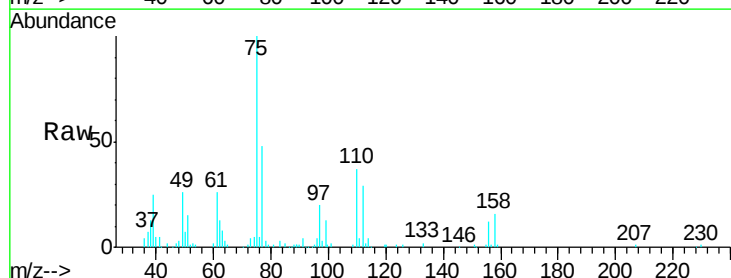
Acq: 02 Oct 2019 17:44

Tgt Ion: 75 Resp: 129061

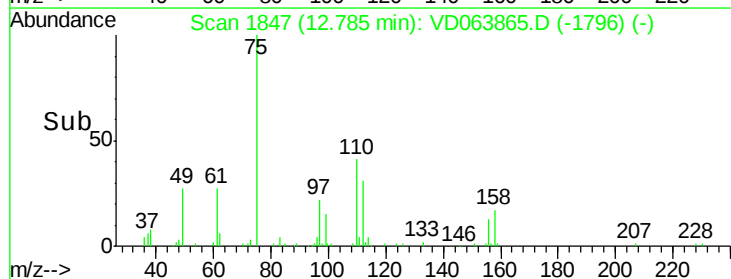
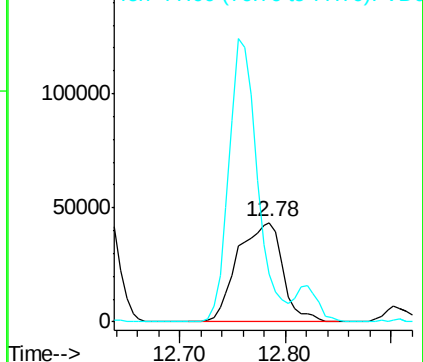
Ion Ratio Lower Upper

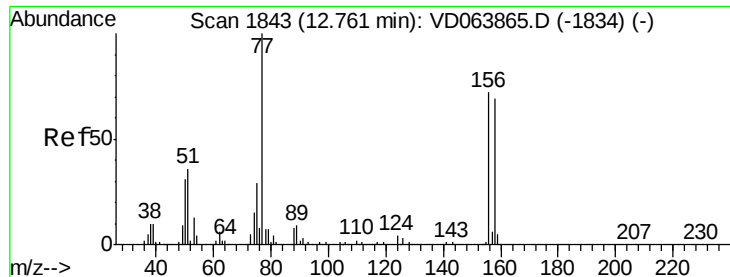
75 100

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: 49.145 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

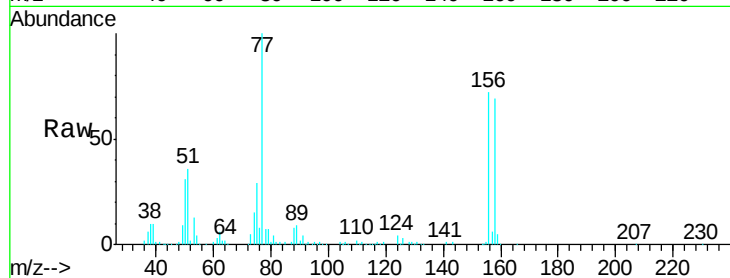
Tgt Ion:156 Resp: 144815

Ion Ratio Lower Upper

156 100

77 160.7 80.3 241.0

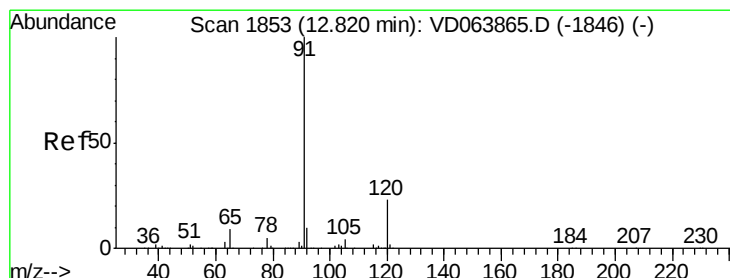
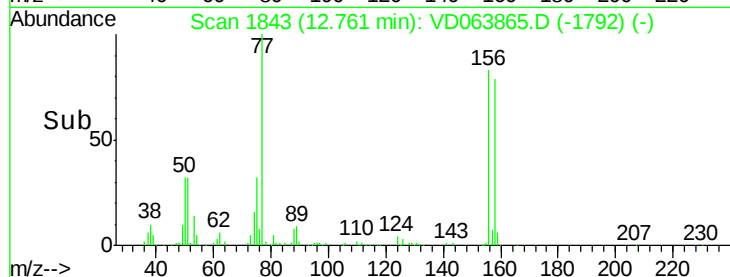
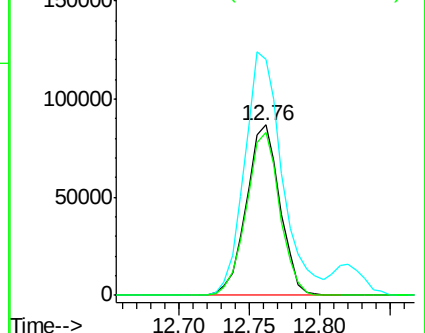
158 94.8 47.4 142.2



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: 47.381 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD063865.D

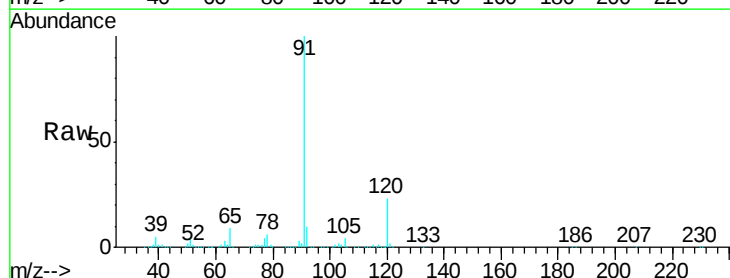
Acq: 02 Oct 2019 17:44

Tgt Ion: 91 Resp: 680367

Ion Ratio Lower Upper

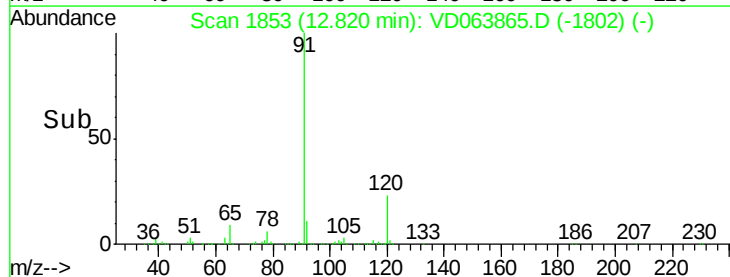
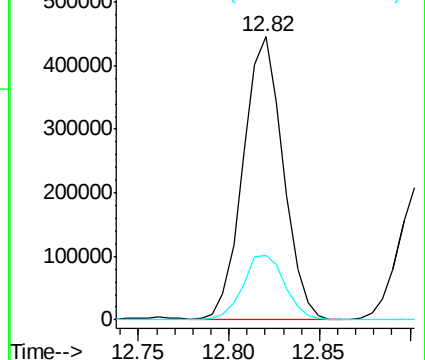
91 100

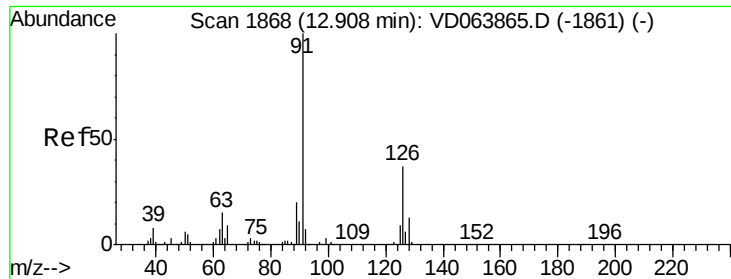
120 24.0 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.202 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

Instrument :

MSVOA_D

ClientSampleId :

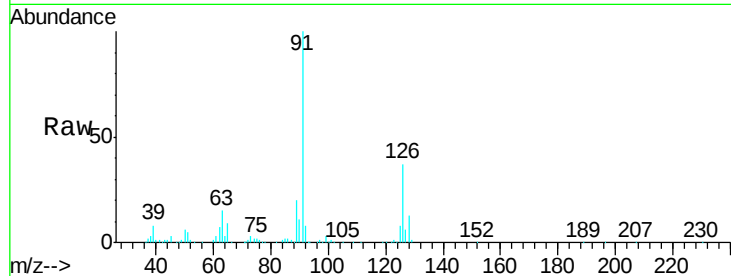
VSTDICCC050

Tgt Ion: 91 Resp: 372913

Ion Ratio Lower Upper

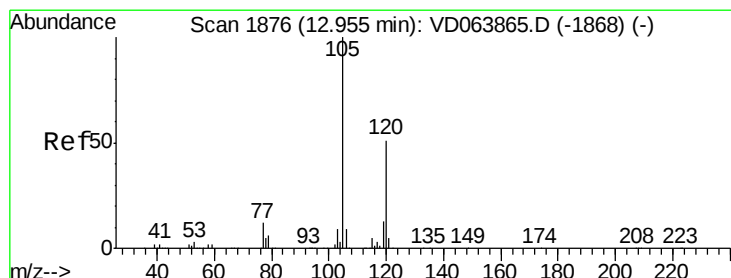
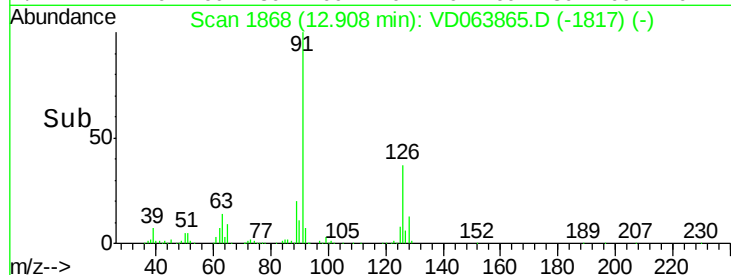
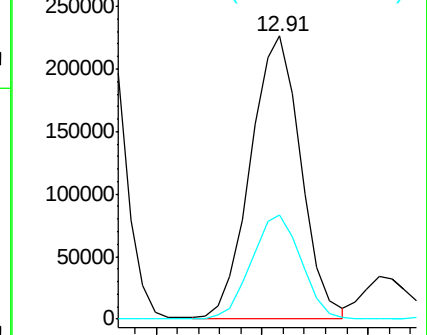
91 100

126 36.8 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: 47.967 ug/l

RT: 12.96 min Scan# 1876

Delta R.T. 0.00 min

Lab File: VD063865.D

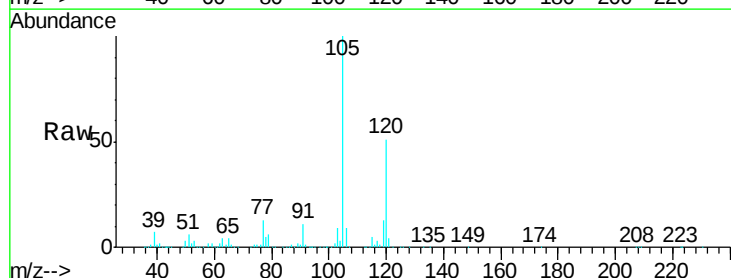
Acq: 02 Oct 2019 17:44

Tgt Ion: 105 Resp: 487329

Ion Ratio Lower Upper

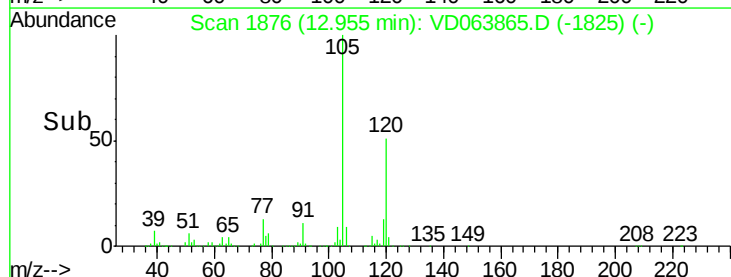
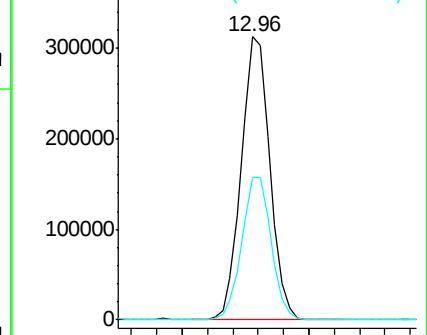
105 100

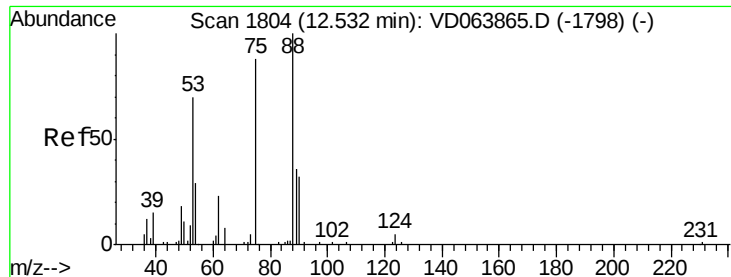
120 51.9 25.9 77.8



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: 47.233 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

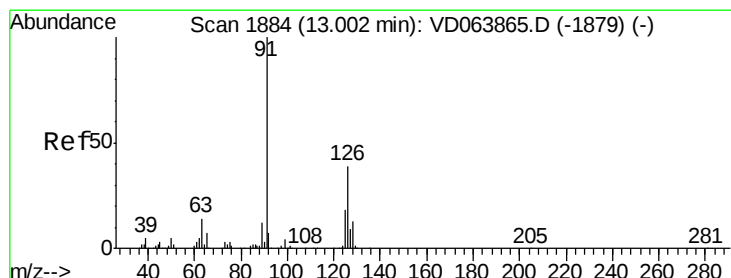
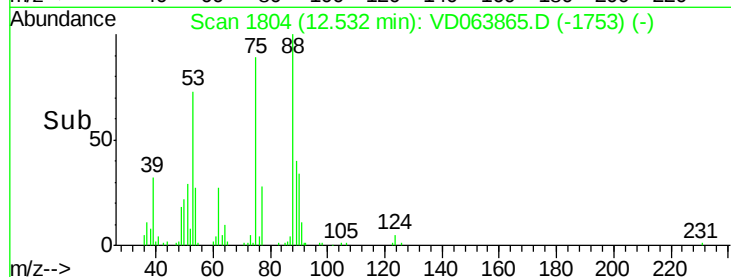
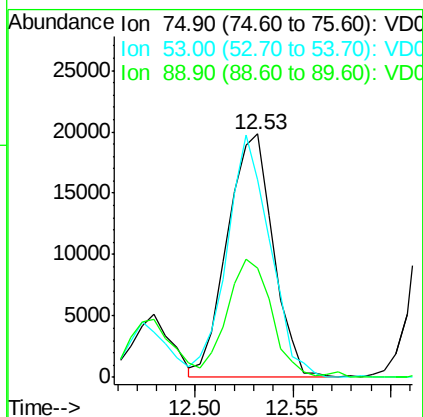
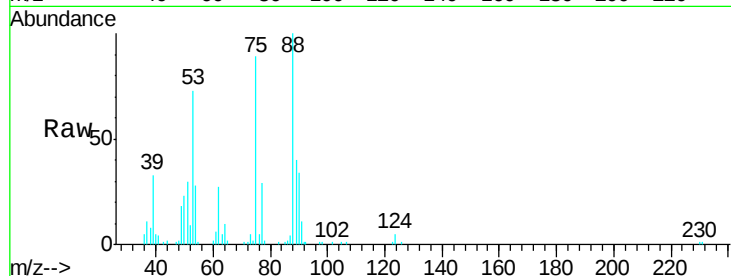
Tgt Ion: 75 Resp: 32232

Ion Ratio Lower Upper

75 100

53 93.8 75.0 112.6

89 47.8 38.2 57.4



#82

4-Chlorotoluene

Concen: 47.975 ug/l

RT: 13.00 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VD063865.D

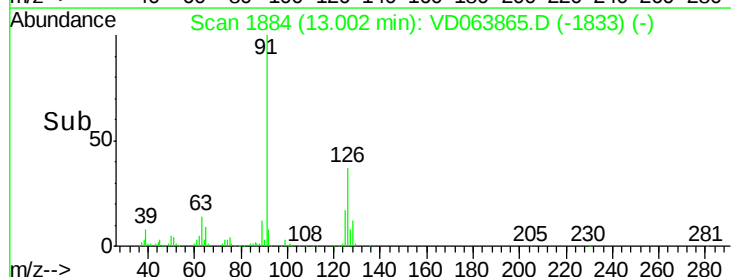
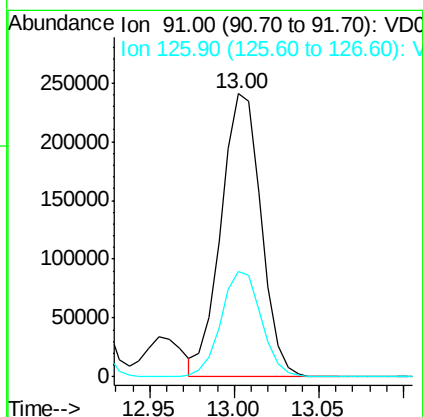
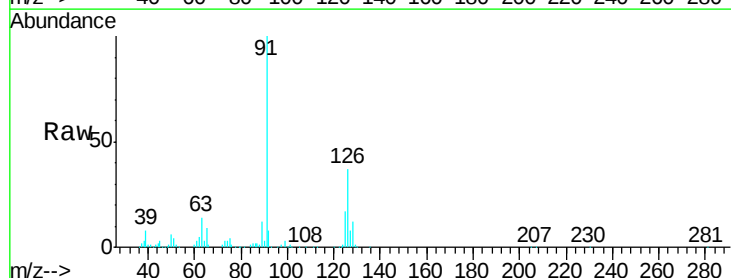
Acq: 02 Oct 2019 17:44

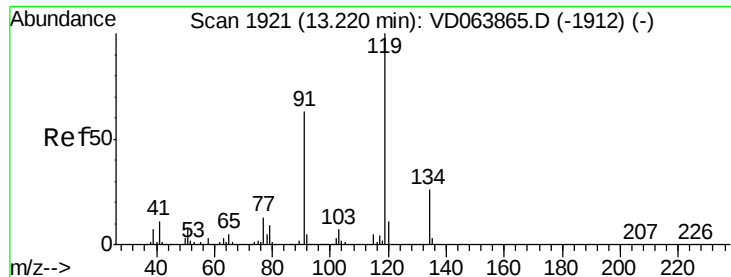
Tgt Ion: 91 Resp: 397360

Ion Ratio Lower Upper

91 100

126 37.2 18.6 55.8

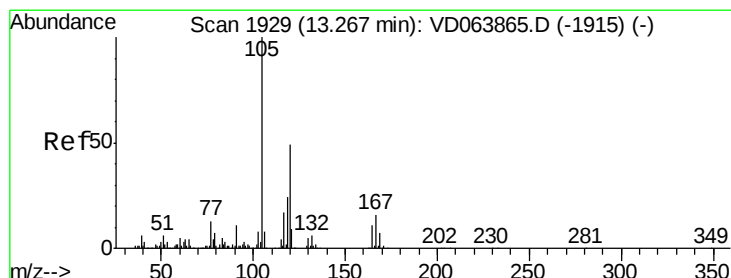
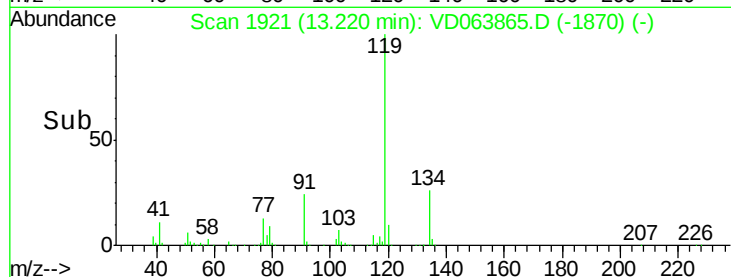
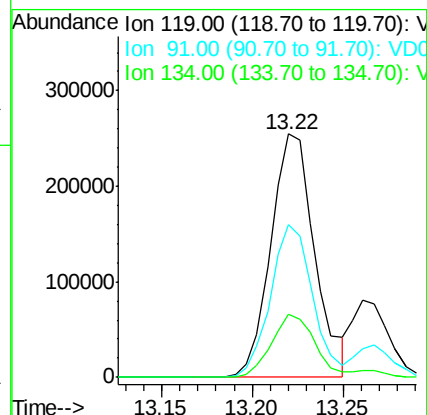
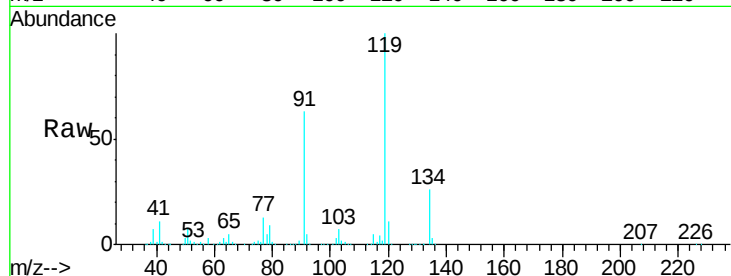




#83
tert-Butylbenzene
Concen: 48.278 ug/l
RT: 13.22 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

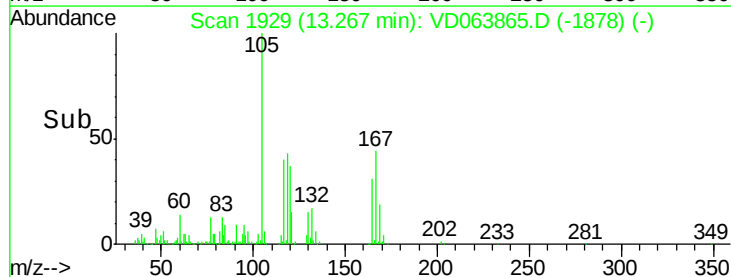
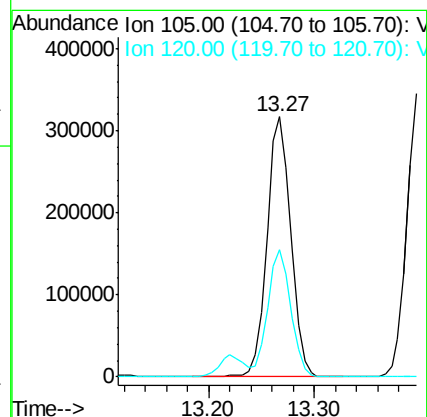
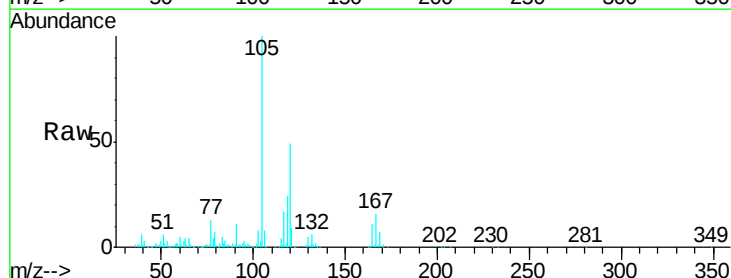
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

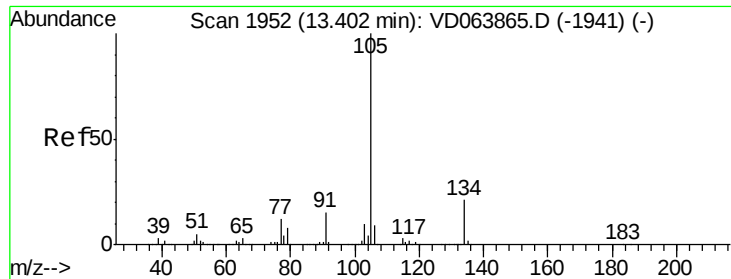
Tgt Ion:119 Resp: 430266
Ion Ratio Lower Upper
119 100
91 60.0 30.0 90.0
134 25.9 13.0 38.9



#84
1,2,4-Trimethylbenzene
Concen: 48.167 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Tgt Ion:105 Resp: 496975
Ion Ratio Lower Upper
105 100
120 47.7 23.8 71.5

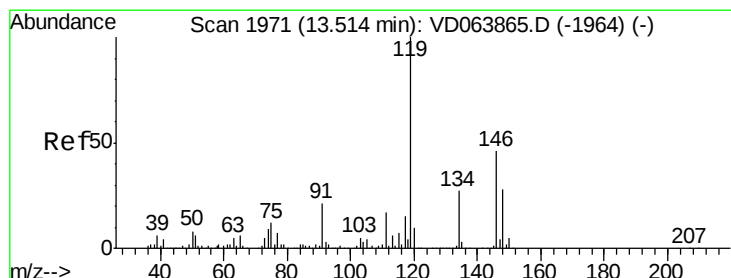
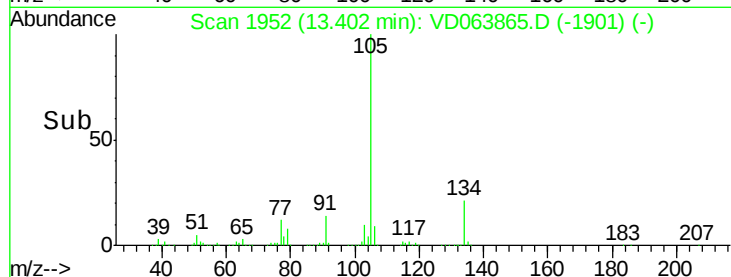
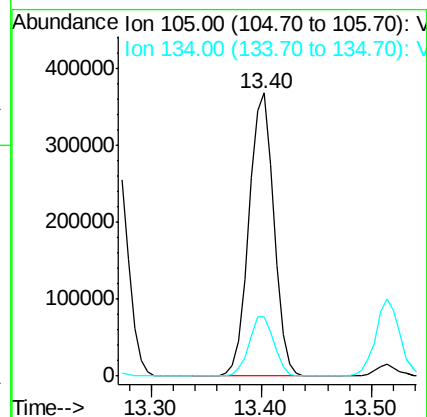
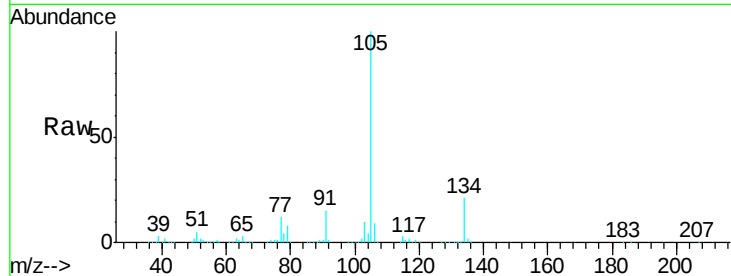




#85
 sec-Butylbenzene
 Concen: 47.368 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VD063865.D
 Acq: 02 Oct 2019 17:44

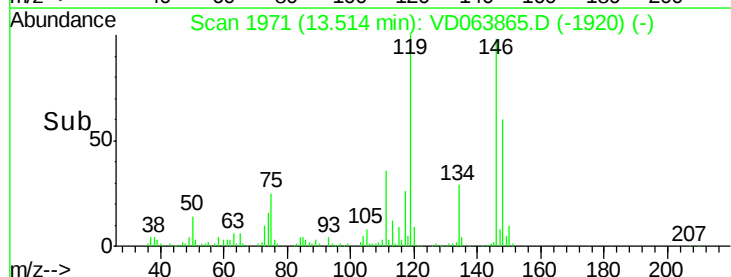
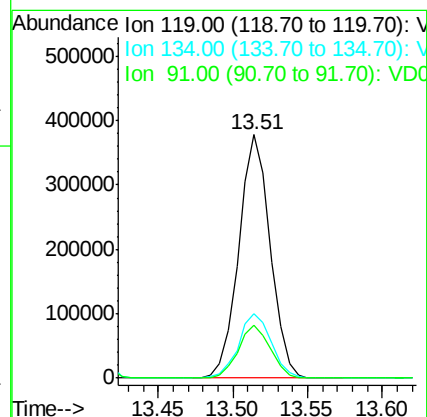
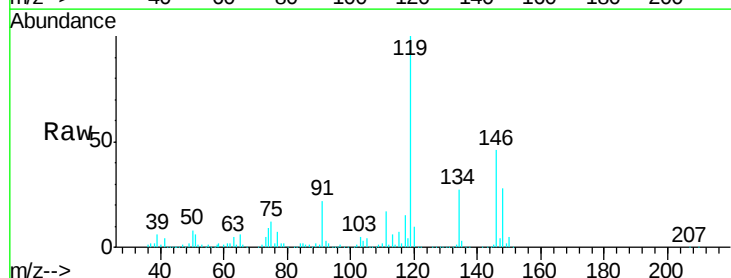
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

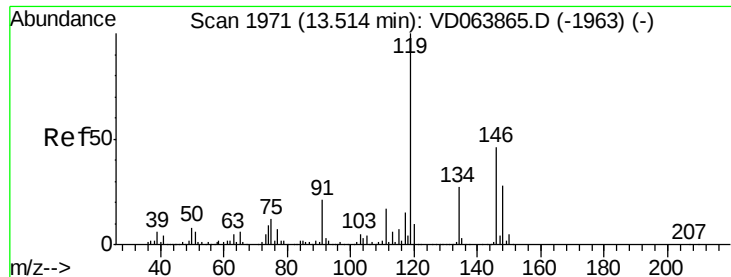
Tgt Ion:105 Resp: 585142
 Ion Ratio Lower Upper
 105 100
 134 21.2 10.6 31.8



#86
 p-Isopropyltoluene
 Concen: 47.865 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. 0.00 min
 Lab File: VD063865.D
 Acq: 02 Oct 2019 17:44

Tgt Ion:119 Resp: 553890
 Ion Ratio Lower Upper
 119 100
 134 27.7 13.9 41.6
 91 22.3 11.2 33.5

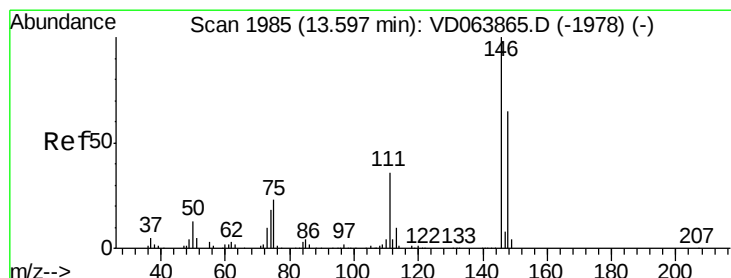
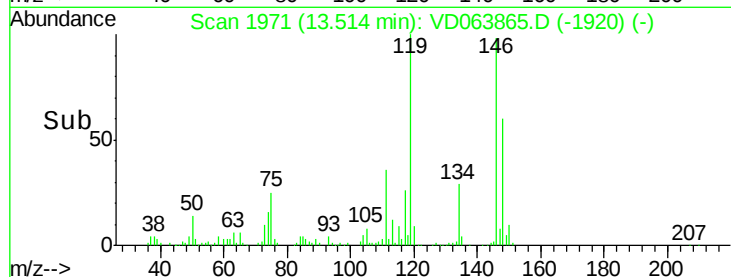
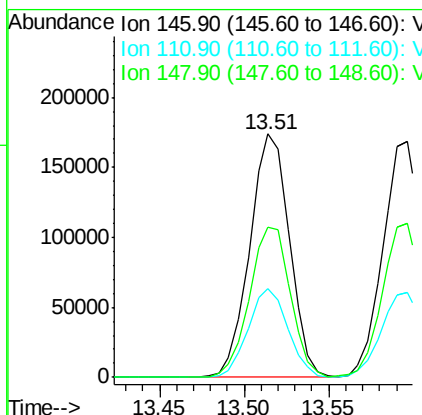
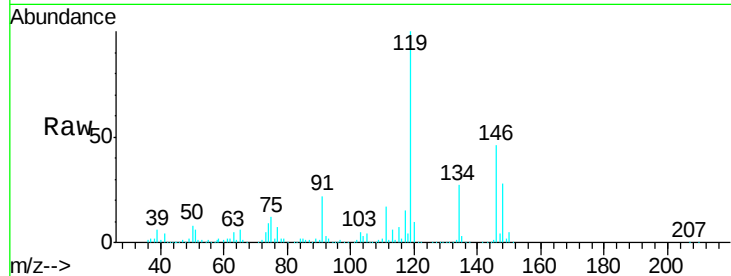




#87
 1,3-Dichlorobenzene
 Concen: 49.287 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. 0.00 min
 Lab File: VD063865.D
 Acq: 02 Oct 2019 17:44

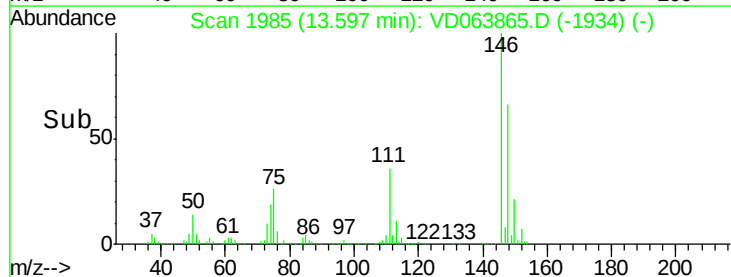
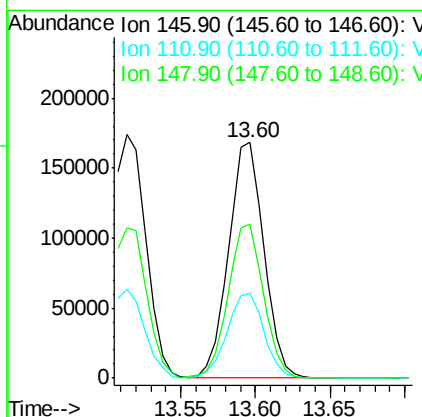
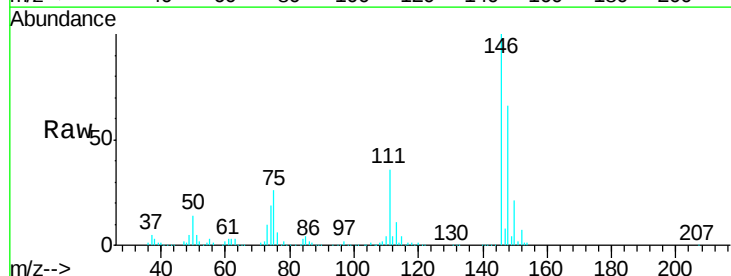
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

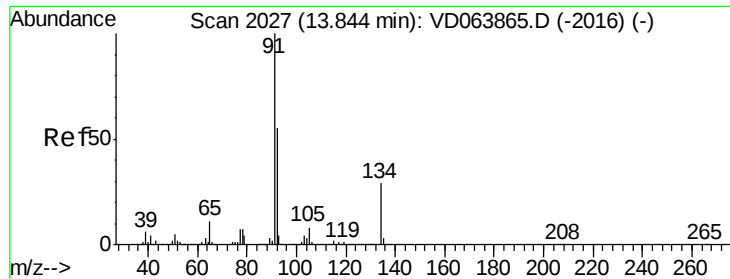
Tgt Ion:146 Resp: 284609
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.3 54.9
 148 63.6 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 48.379 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD063865.D
 Acq: 02 Oct 2019 17:44

Tgt Ion:146 Resp: 278825
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.6 56.0
 148 65.3 32.6 98.0

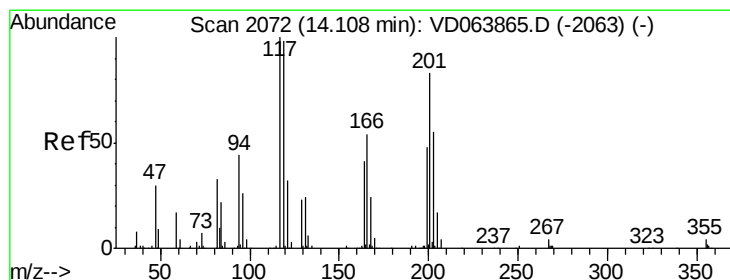
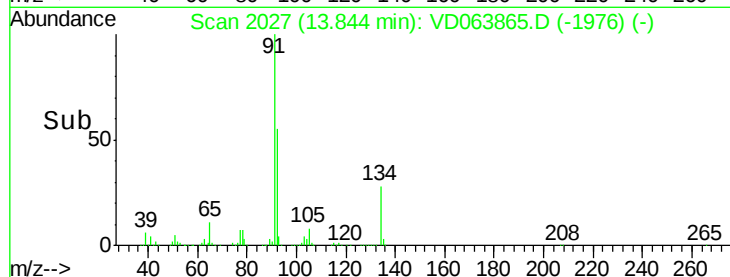
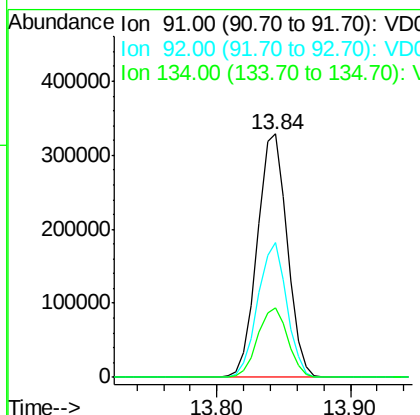
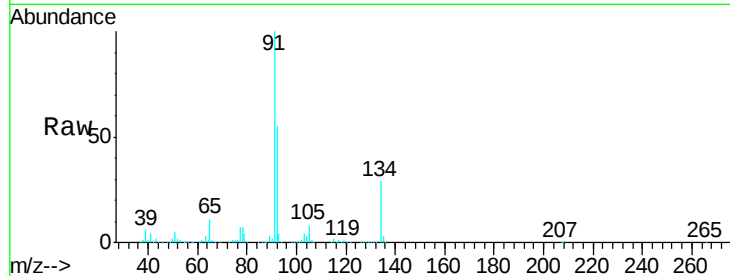




#89
n-Butylbenzene
Concen: 46.335 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

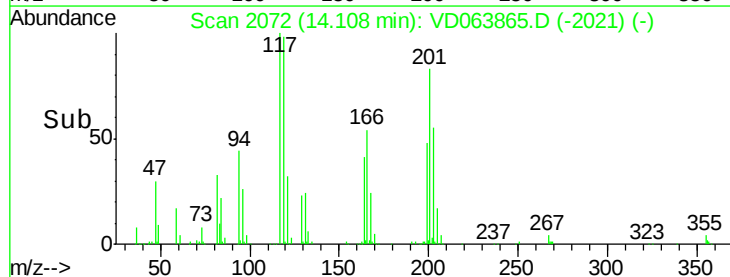
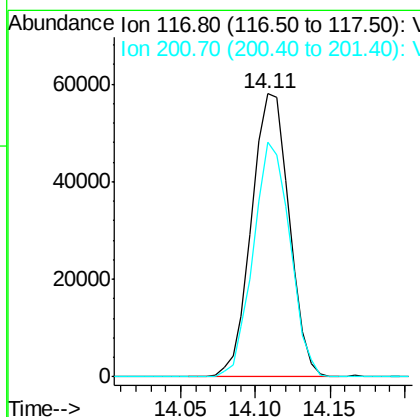
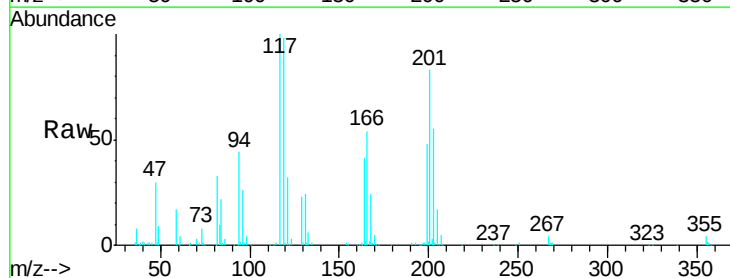
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

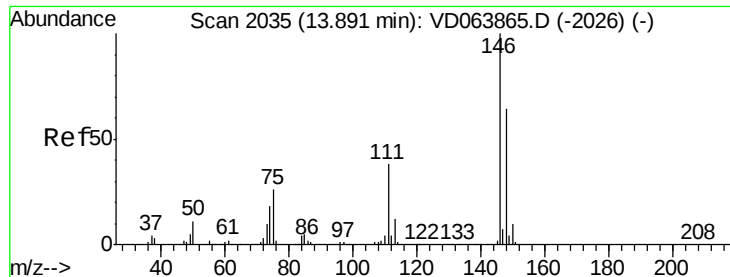
Tgt Ion: 91 Resp: 508623
Ion Ratio Lower Upper
91 100
92 53.5 26.8 80.3
134 28.7 14.4 43.0



#90
Hexachloroethane
Concen: 47.207 ug/l
RT: 14.11 min Scan# 2072
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Tgt Ion: 117 Resp: 101003
Ion Ratio Lower Upper
117 100
201 81.1 40.6 121.7

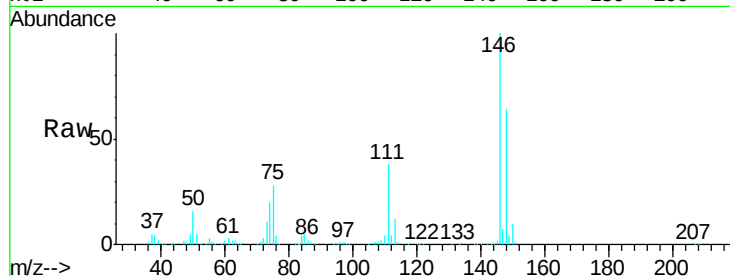




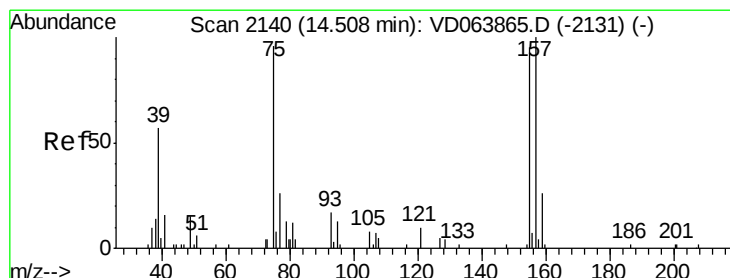
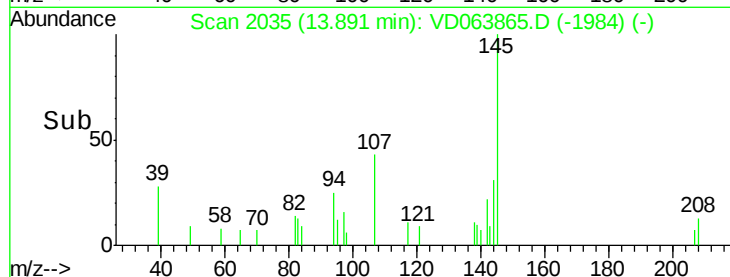
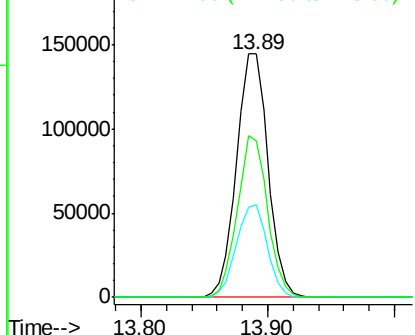
#91
 1,2-Dichlorobenzene
 Concen: 50.156 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD063865.D
 Acq: 02 Oct 2019 17:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion:146 Resp: 249491
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.6 55.6
 148 63.3 31.6 95.0

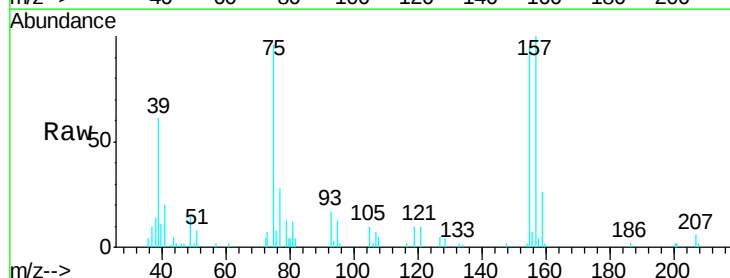


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

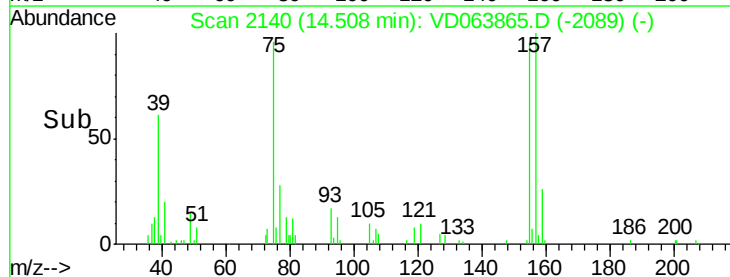
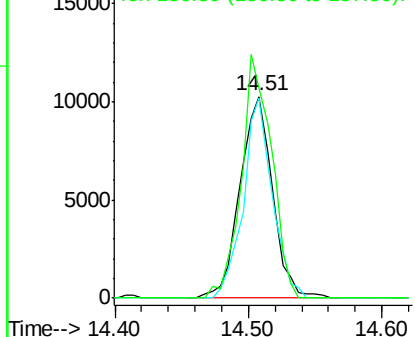


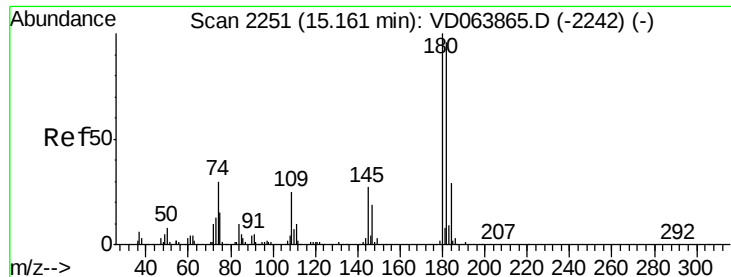
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.127 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD063865.D
 Acq: 02 Oct 2019 17:44

Tgt Ion: 75 Resp: 17301
 Ion Ratio Lower Upper
 75 100
 155 87.7 43.9 131.6
 157 111.9 56.0 167.9



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

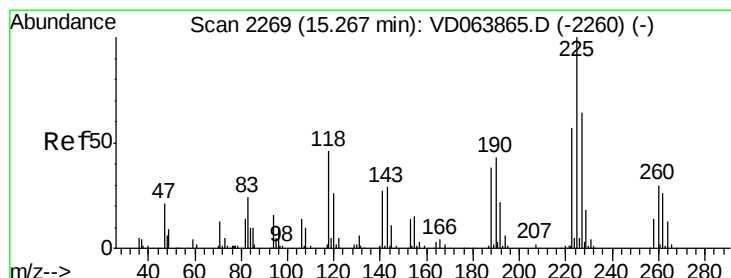
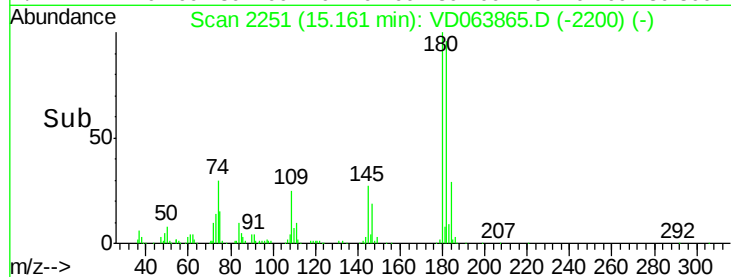
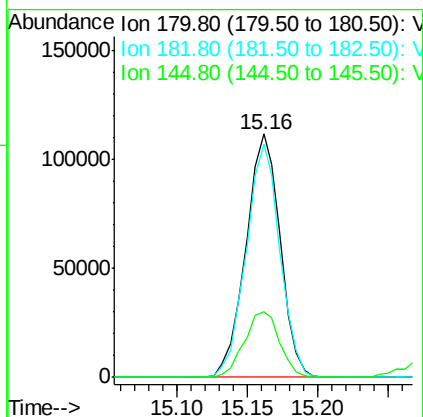
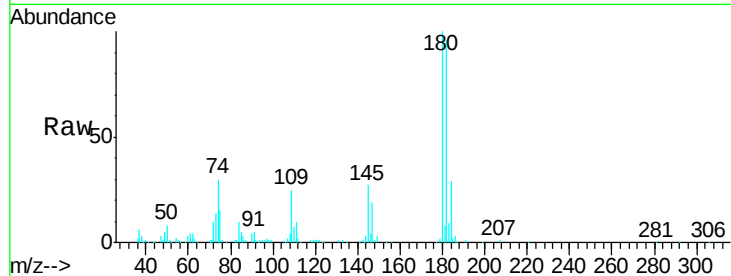




#93
 1,2,4-Trichlorobenzene
 Concen: 50.390 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. 0.00 min
 Lab File: VD063865.D
 Acq: 02 Oct 2019 17:44

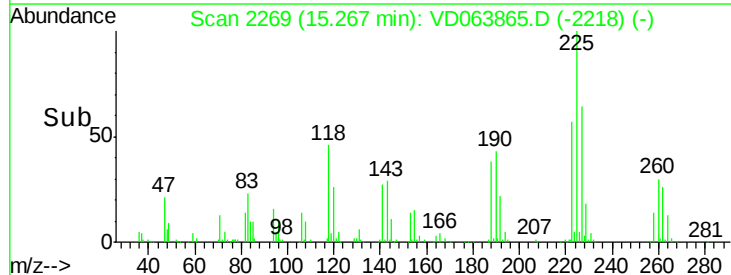
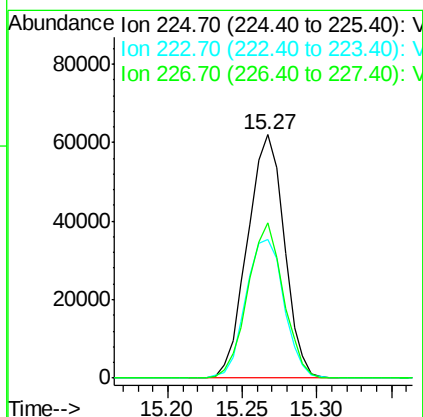
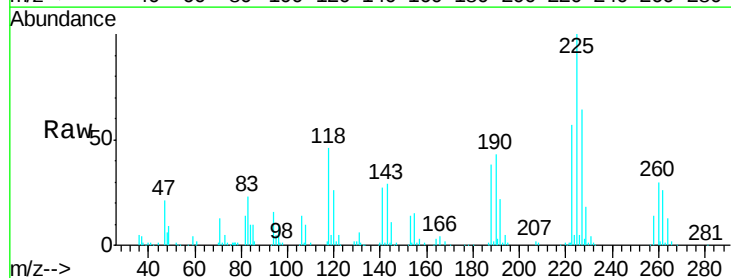
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

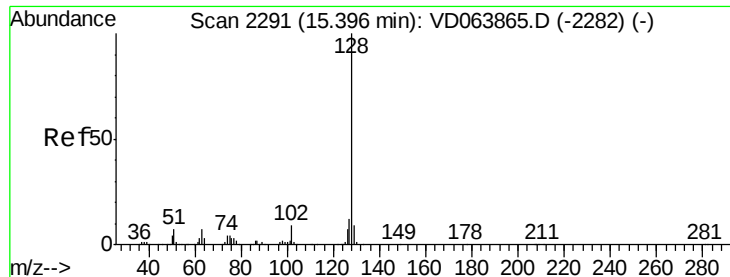
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.4	142.3
145	27.8	13.9	41.7



#94
 Hexachlorobutadiene
 Concen: 49.736 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. 0.00 min
 Lab File: VD063865.D
 Acq: 02 Oct 2019 17:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.1	29.5	88.6
227	61.6	30.8	92.4

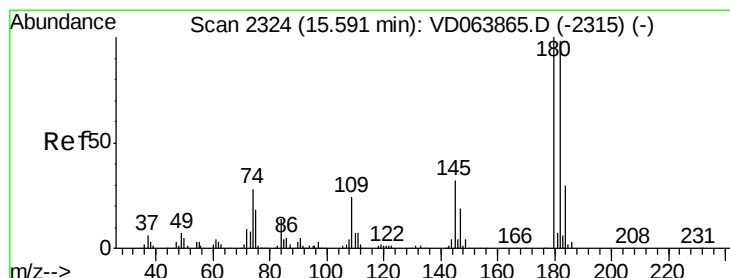
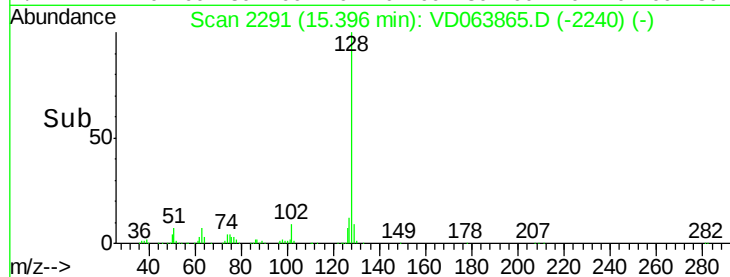
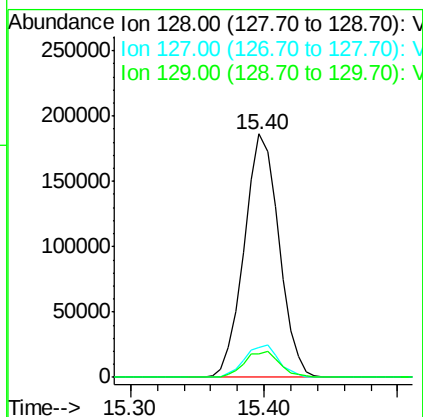
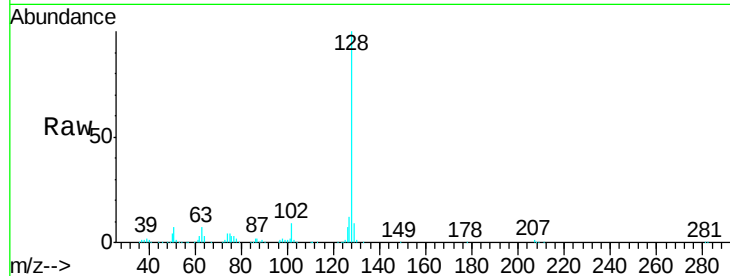




#95
Naphthalene
Concen: 49.397 ug/l
RT: 15.40 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 335230
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 49.792 ug/l
RT: 15.59 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Tgt Ion:180 Resp: 166401
Ion Ratio Lower Upper
180 100
182 94.0 47.0 141.0
145 30.6 15.3 45.9

