

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080719\
 Data File : VD063428.D
 Acq On : 7 Aug 2019 19:13
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 08 08:07:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	829761	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1094574	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	948905	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	559282	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	478312	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	
35) Dibromofluoromethane	6.92	113	521850	55.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.68%	
50) Toluene-d8	10.41	98	1077000	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	
62) 4-Bromofluorobenzene	13.55	95	502592	52.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	405568	39.986	ug/l	96
3) Chloromethane	1.74	50	321044	40.740	ug/l	92
4) Vinyl Chloride	1.84	62	321118	39.363	ug/l	92
5) Bromomethane	2.14	94	173783	42.238	ug/l	96
6) Chloroethane	2.26	64	169662	45.046	ug/l	92
7) Trichlorofluoromethane	2.53	101	688530	43.506	ug/l	98
8) Diethyl Ether	2.86	74	94921	42.855	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.14	101	414419	47.272	ug/l	95
10) Methyl Iodide	3.29	142	512765	40.488	ug/l	99
11) Tert butyl alcohol	4.07	59	77491	191.787	ug/l	95
12) 1,1-Dichloroethene	3.12	96	305494	47.467	ug/l	84
13) Acrolein	3.03	56	65663	168.862	ug/l	92
14) Allyl chloride	3.61	41	456149	44.491	ug/l	84
15) Acrylonitrile	4.19	53	214305	204.582	ug/l	91
16) Acetone	3.22	43	379843	211.744	ug/l	100
17) Carbon Disulfide	3.36	76	853403	39.616	ug/l	97
18) Methyl Acetate	3.64	43	147050	42.676	ug/l	94
19) Methyl tert-butyl Ether	4.24	73	619893	42.640	ug/l	98
20) Methylene Chloride	3.81	84	303283	41.826	ug/l	94
21) trans-1,2-Dichloroethene	4.21	96	302892	41.944	ug/l	94
22) Diisopropyl ether	5.12	45	908692	44.362	ug/l	95
23) Vinyl Acetate	5.05	43	2845900	226.019	ug/l	99
24) 1,1-Dichloroethane	4.98	63	580373	44.357	ug/l	97
25) 2-Butanone	6.07	43	404606	224.742	ug/l	99
26) 2,2-Dichloropropane	6.02	77	601038	44.575	ug/l	96
27) cis-1,2-Dichloroethene	6.03	96	348345	44.992	ug/l	87
28) Bromochloromethane	6.44	49	231552	44.418	ug/l #	98
29) Tetrahydrofuran	6.45	42	194193	227.831	ug/l	99
30) Chloroform	6.66	83	762409	46.954	ug/l	96
31) Cyclohexane	6.95	56	338087	41.224	ug/l	91
32) 1,1,1-Trichloroethane	6.87	97	783746	49.901	ug/l	98
36) 1,1-Dichloropropene	7.14	75	451749	45.223	ug/l	96
37) Ethyl Acetate	6.18	43	192344	42.859	ug/l #	94
38) Carbon Tetrachloride	7.10	117	812754	54.044	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	370404	44.505	ug/l	93
40) Benzene	7.45	78	1006561	48.078	ug/l	98
41) Methacrylonitrile	6.45	41	267550	49.839	ug/l #	86
42) 1,2-Dichloroethane	7.58	62	570249	51.394	ug/l	99
43) Isopropyl Acetate	9.24	43	277910	48.478	ug/l #	94
44) Trichloroethene	8.54	130	400515	47.211	ug/l	93
45) 1,2-Dichloropropane	8.94	63	240188	45.137	ug/l	98
46) Dibromomethane	9.06	93	213333	48.215	ug/l	98
47) Bromodichloromethane	9.38	83	574165	50.906	ug/l	100
48) Methyl methacrylate	9.12	41	181750	48.884	ug/l	96
49) 1,4-Dioxane	9.08	88	28867	916.189	ug/l #	89
51) 4-Methyl-2-Pentanone	10.30	43	948165	243.199	ug/l	98
52) Toluene	10.51	92	679172	48.775	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	448346	46.108	ug/l	100
54) cis-1,3-Dichloropropene	10.04	75	497756	48.706	ug/l	95
55) 1,1,2-Trichloroethane	11.19	97	244973	52.091	ug/l	97
56) Ethyl methacrylate	11.04	69	250812	48.705	ug/l	95
57) 1,3-Dichloropropane	11.41	76	346729	46.794	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.86	63	691505	258.065	ug/l	96
59) 2-Hexanone	11.53	43	687373	244.653	ug/l	93
60) Dibromochloromethane	11.68	129	454552	51.200	ug/l	96
61) 1,2-Dibromoethane	11.81	107	288552	49.725	ug/l	94
64) Tetrachloroethene	11.26	164	352860	46.677	ug/l	97
65) Chlorobenzene	12.40	112	869862	47.659	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	405339	50.417	ug/l	95
67) Ethyl Benzene	12.53	91	1470554	47.429	ug/l	98
68) m/p-Xylenes	12.67	106	1075209	94.560	ug/l	96
69) o-Xylene	13.05	106	490007	46.928	ug/l	100
70) Styrene	13.07	104	853031	46.066	ug/l	95
71) Bromoform	13.24	173	269144	46.034	ug/l	97
73) Isopropylbenzene	13.40	105	1657891	47.230	ug/l	98
74) N-amyl acetate	13.27	43	392162	42.261	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	258400	43.337	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	289866	43.150	ug/l	99
77) Bromobenzene	13.67	156	433989	43.401	ug/l	91
78) n-propylbenzene	13.78	91	1776112	42.519	ug/l	97
79) 2-Chlorotoluene	13.84	91	1061408	43.852	ug/l	94
80) 1,3,5-Trimethylbenzene	13.94	105	1372727	45.341	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	77963	41.795	ug/l	86
82) 4-Chlorotoluene	13.95	91	1308087	45.921	ug/l	91
83) tert-Butylbenzene	14.19	119	1507665	43.613	ug/l	95
84) 1,2,4-Trimethylbenzene	14.24	105	1338073	42.729	ug/l	97
85) sec-Butylbenzene	14.37	105	1548968	42.529	ug/l	99
86) p-Isopropyltoluene	14.49	119	1495259	43.014	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	774978	43.763	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	778037	43.449	ug/l	94
89) n-Butylbenzene	14.80	91	1394352	46.442	ug/l	99
90) Hexachloroethane	15.01	117	392204	43.305	ug/l	94
91) 1,2-Dichlorobenzene	14.81	146	691441	44.814	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	56435	46.466	ug/l	80

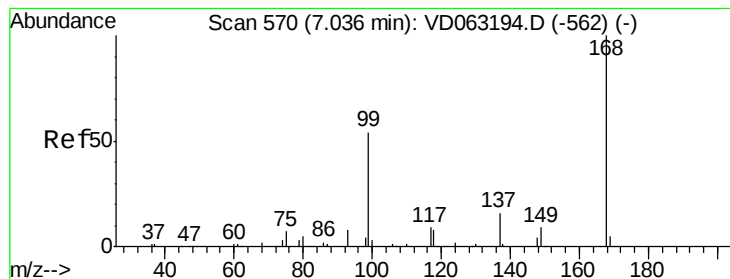
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	515197	42.091	ug/l	97
94) Hexachlorobutadiene	16.04	225	389135	43.871	ug/l	98
95) Naphthalene	16.12	128	732420	42.337	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	406310	42.020	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

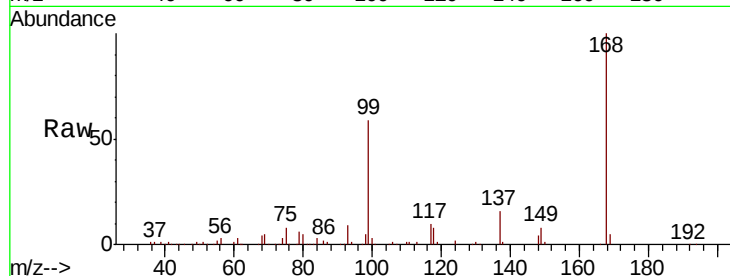
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 168 Resp: 829761

Ion Ratio Lower Upper

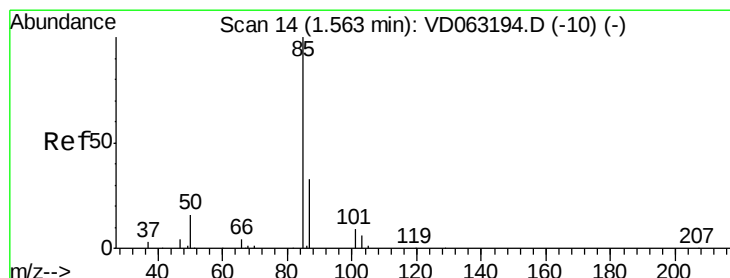
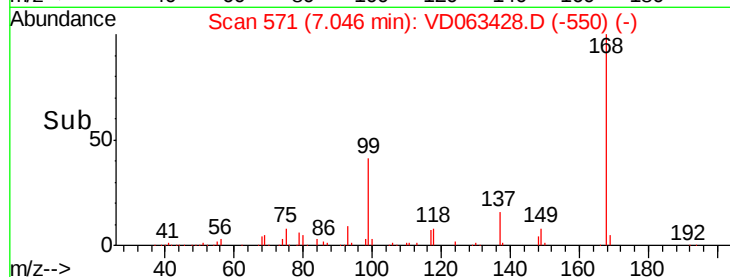
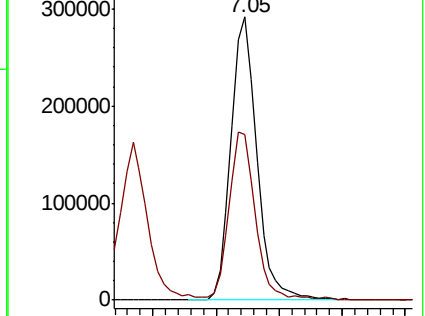
168 100

99 58.7 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 39.986 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.00 min

Lab File: VD063428.D

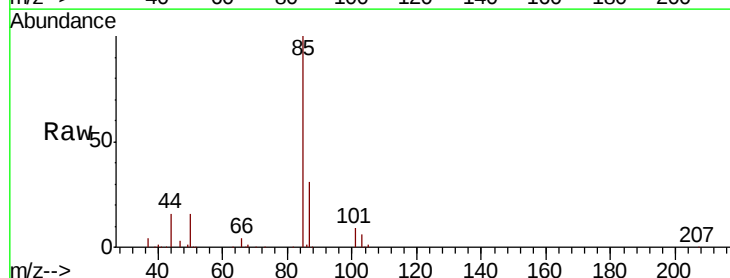
Acq: 7 Aug 2019 19:13

Tgt Ion: 85 Resp: 405568

Ion Ratio Lower Upper

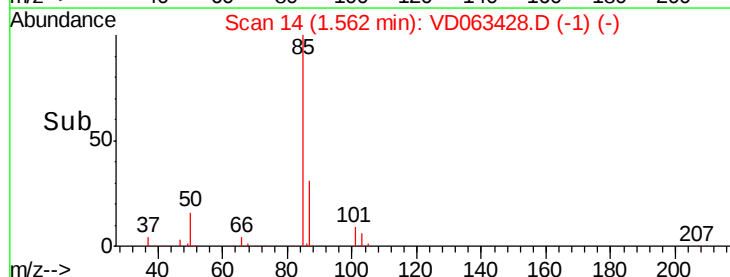
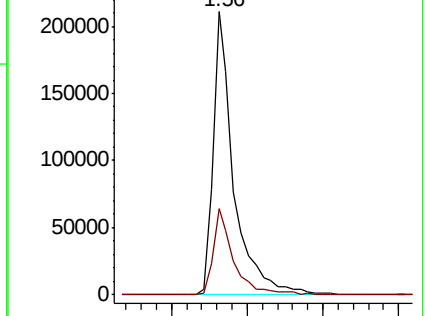
85 100

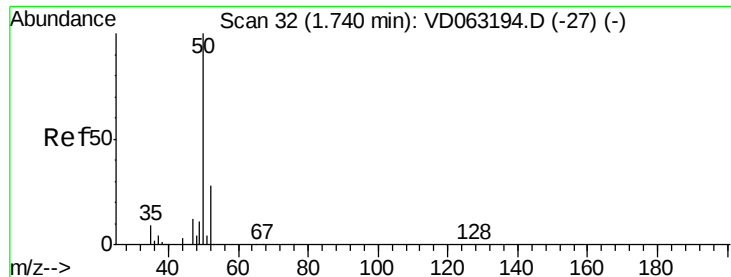
87 30.6 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 40.740 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

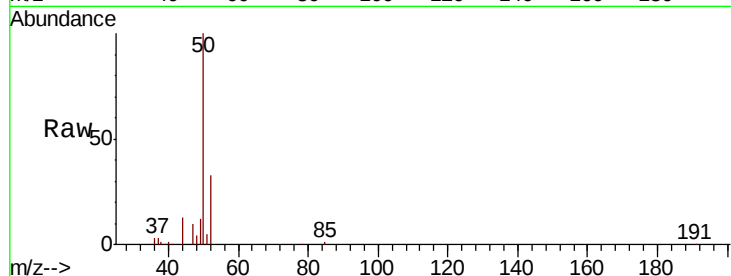
VSTDCCC050EC

Tgt Ion: 50 Resp: 321044

Ion Ratio Lower Upper

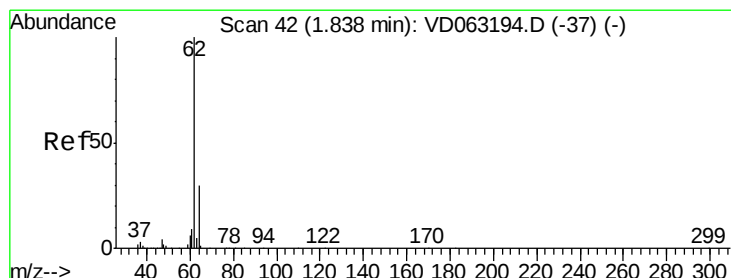
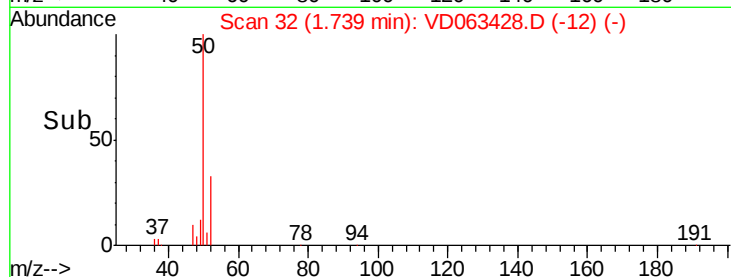
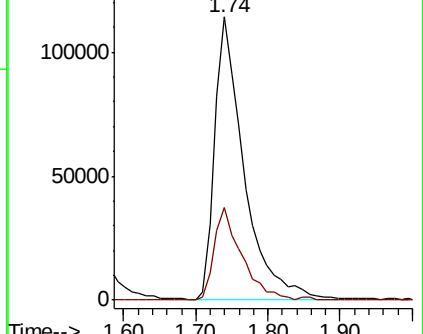
50 100

52 32.7 22.6 34.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 39.363 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.00 min

Lab File: VD063428.D

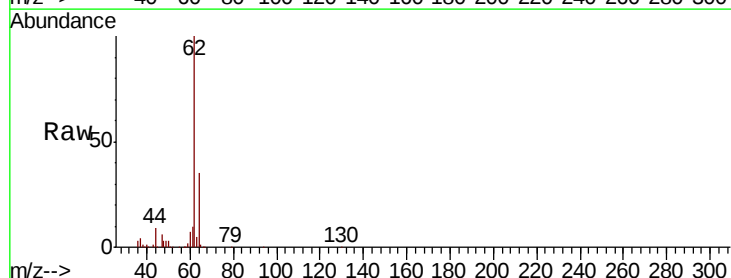
Acq: 7 Aug 2019 19:13

Tgt Ion: 62 Resp: 321118

Ion Ratio Lower Upper

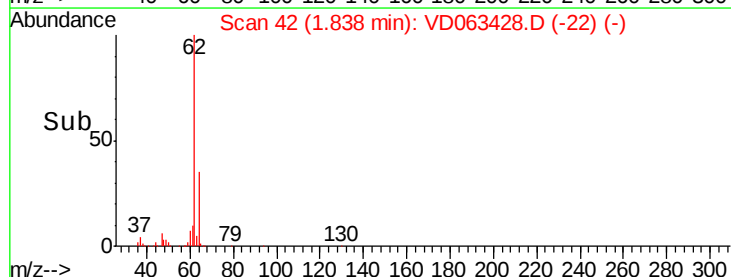
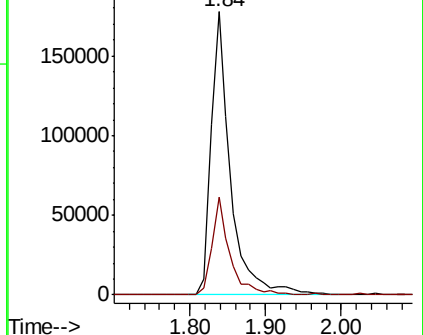
62 100

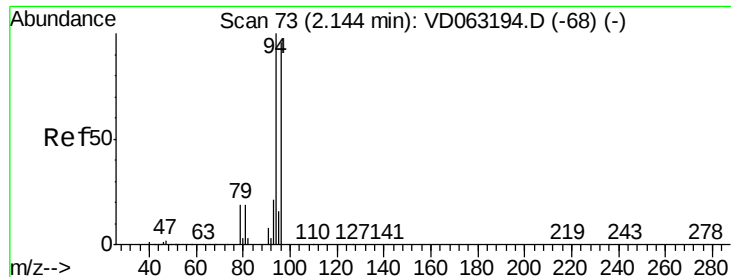
64 34.6 24.1 36.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 42.238 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

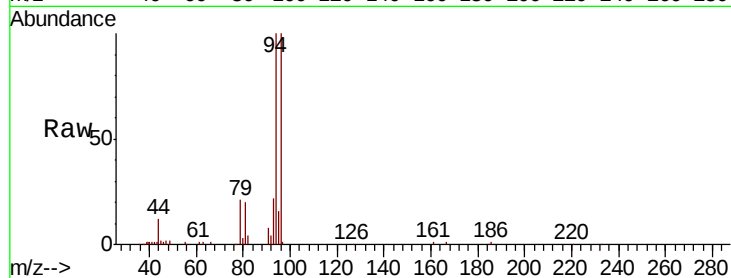
Tgt Ion: 94 Resp: 173783

Ion Ratio Lower Upper

94 100

96 100.1 76.4 114.6

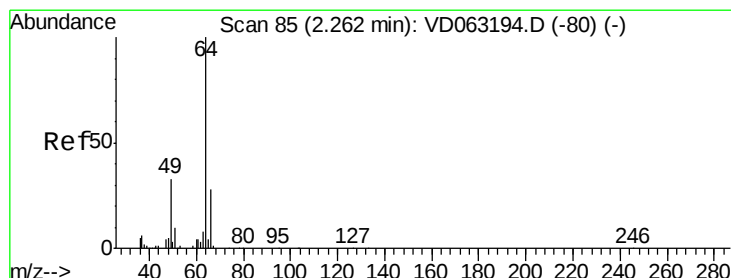
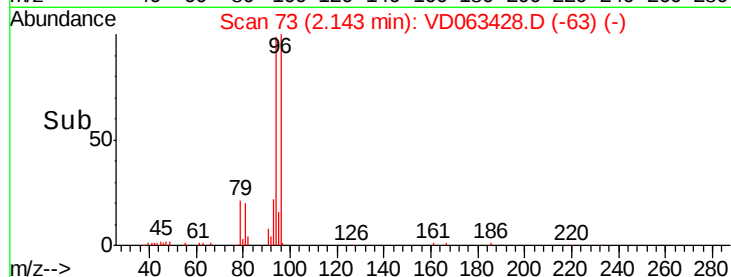
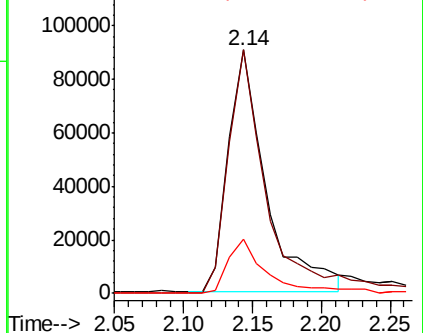
93 22.3 17.3 25.9



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 45.046 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VD063428.D

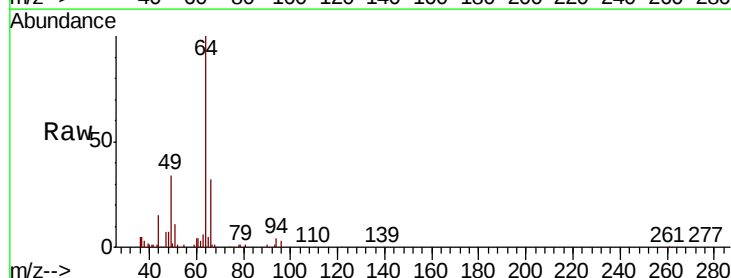
Acq: 7 Aug 2019 19:13

Tgt Ion: 64 Resp: 169662

Ion Ratio Lower Upper

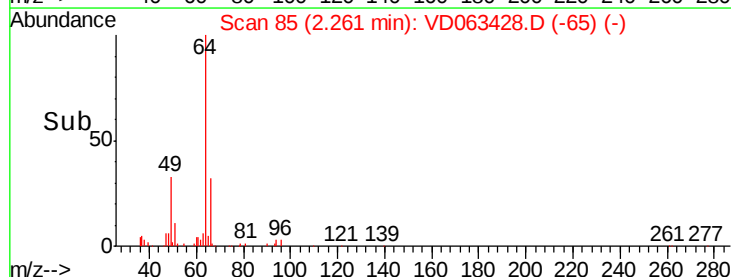
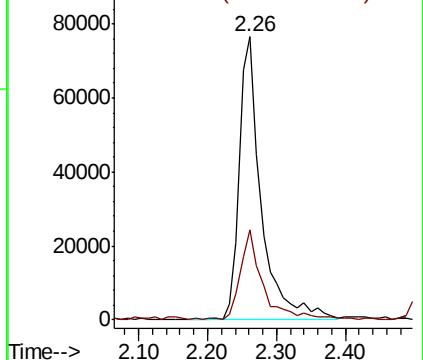
64 100

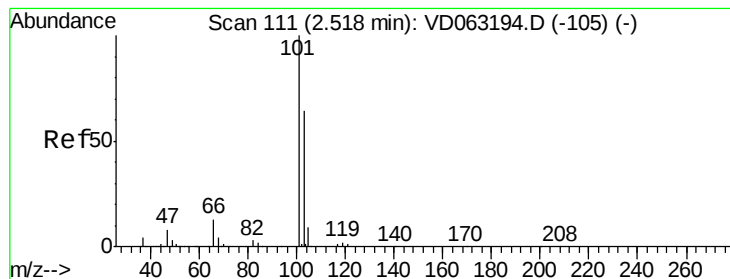
66 31.8 22.2 33.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



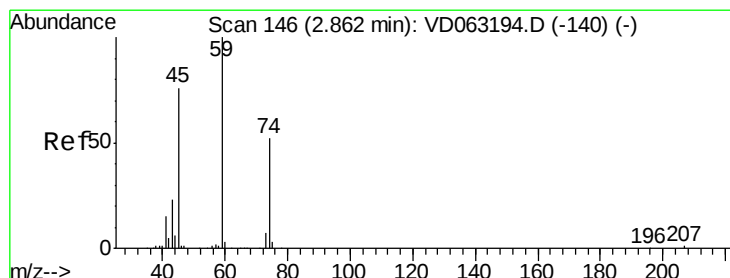
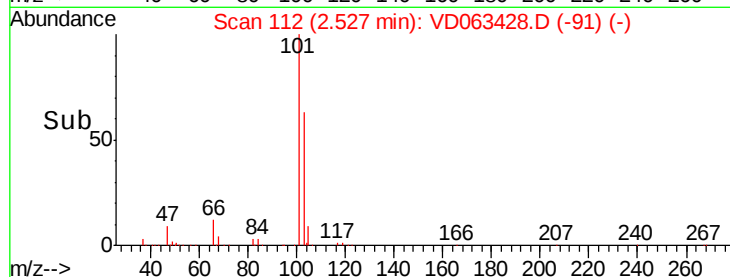
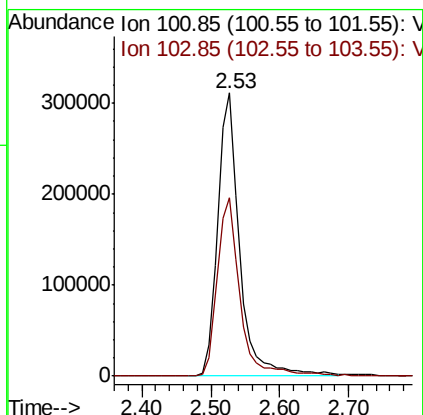
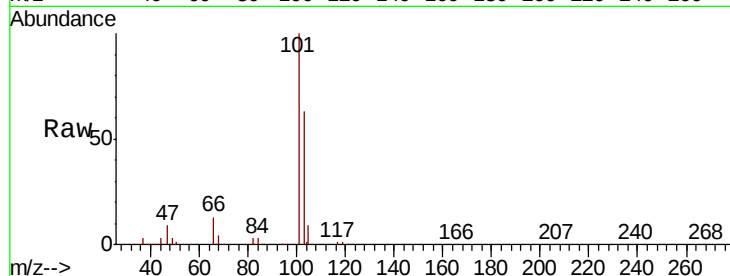


#7

Trichlorofluoromethane
 Concen: 43.506 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. 0.01 min
 Lab File: VD063428.D
 Acq: 7 Aug 2019 19:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

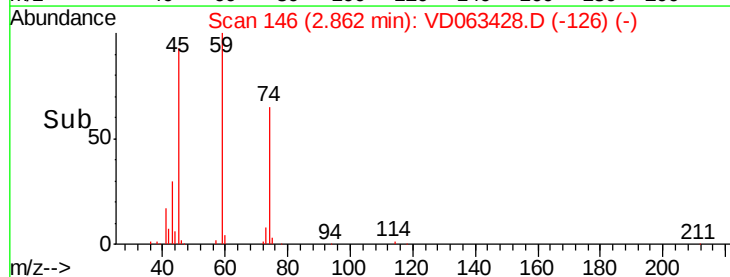
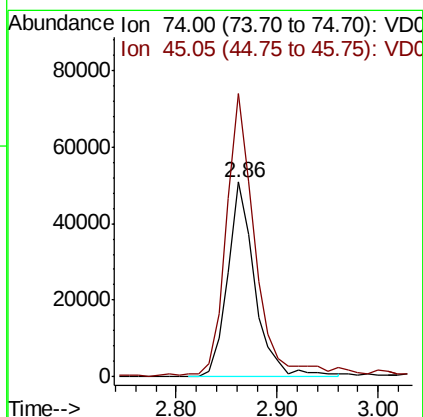
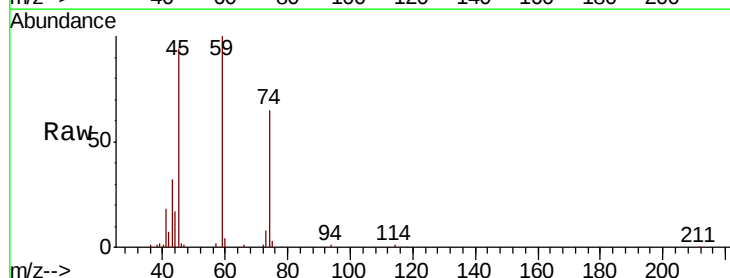
Tgt Ion:101 Resp: 688530
 Ion Ratio Lower Upper
 101 100
 103 63.1 51.5 77.3

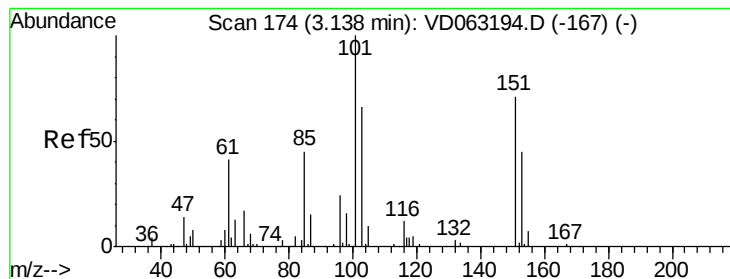


#8

Diethyl Ether
 Concen: 42.855 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. -0.00 min
 Lab File: VD063428.D
 Acq: 7 Aug 2019 19:13

Tgt Ion: 74 Resp: 94921
 Ion Ratio Lower Upper
 74 100
 45 145.1 73.6 220.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.272 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.00 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

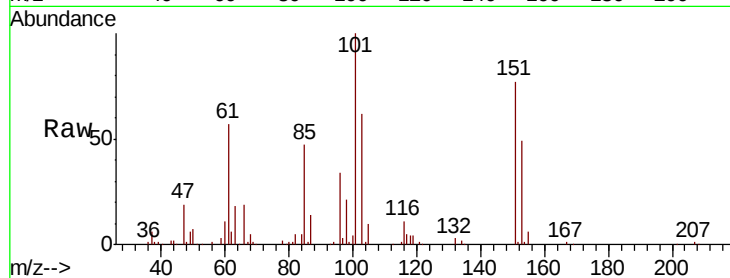
Tgt Ion:101 Resp: 414419

Ion Ratio Lower Upper

101 100

85 47.2 36.1 54.1

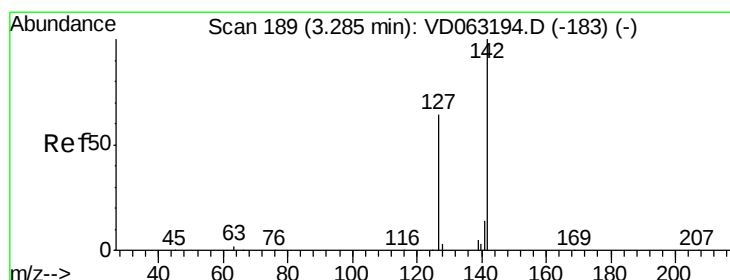
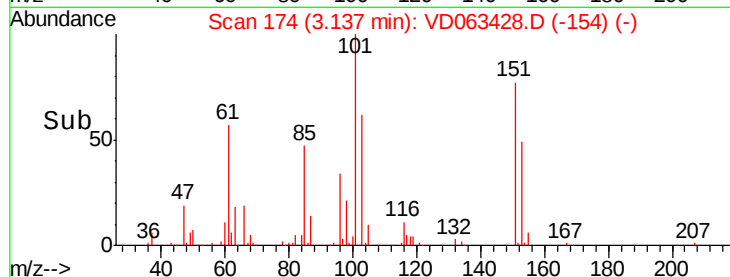
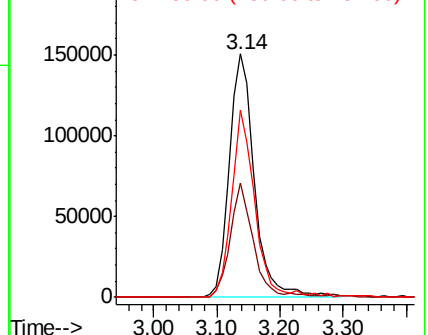
151 77.0 57.1 85.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 40.488 ug/l

RT: 3.29 min Scan# 190

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

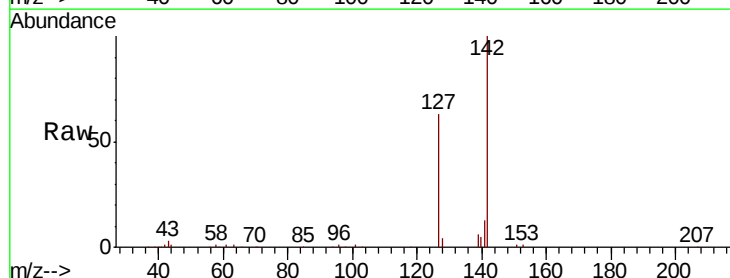
Tgt Ion:142 Resp: 512765

Ion Ratio Lower Upper

142 100

127 62.7 50.8 76.2

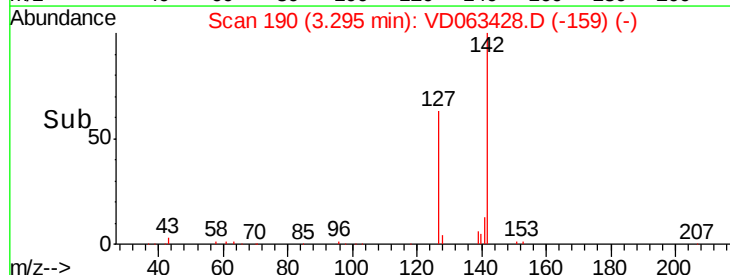
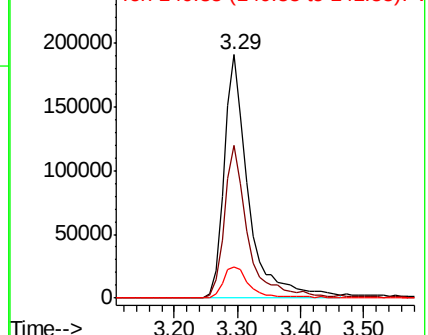
141 13.0 11.4 17.2

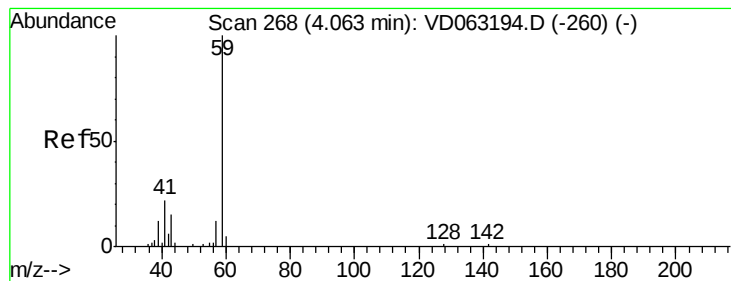


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



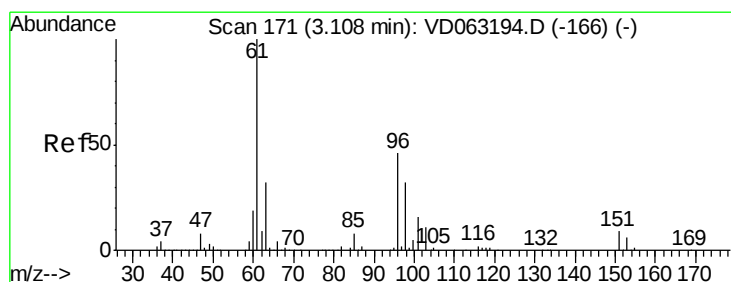
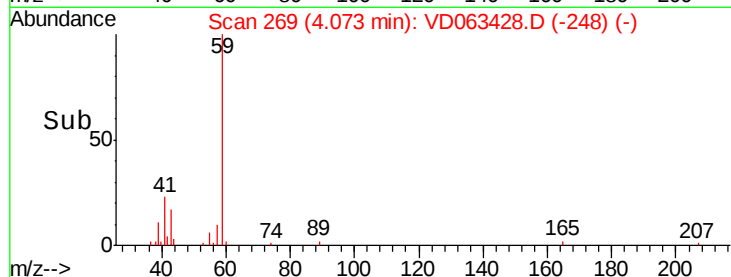
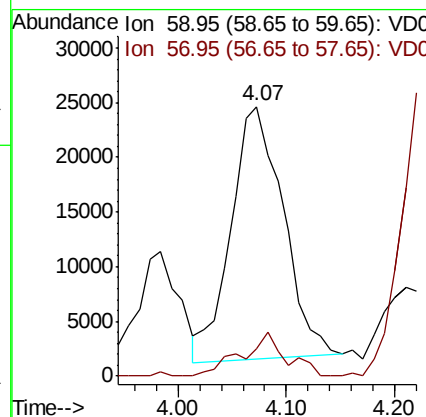
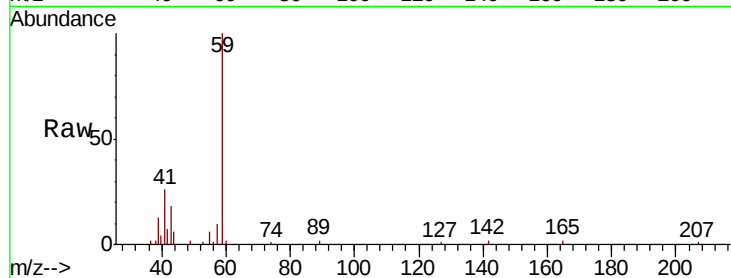


#11

Tert butyl alcohol
Concen: 191.787 ug/l
RT: 4.07 min Scan# 269
Delta R.T. 0.01 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

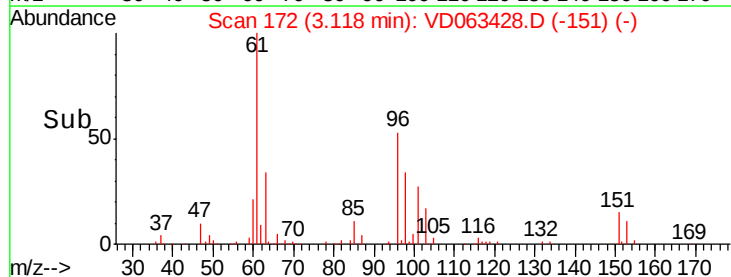
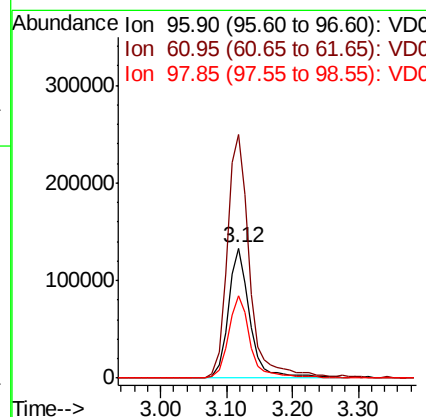
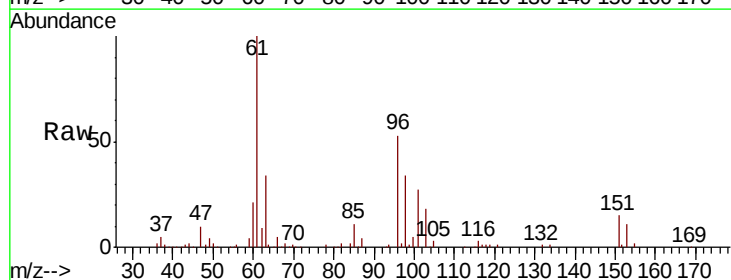
Tgt Ion: 59 Resp: 77491
Ion Ratio Lower Upper
59 100
57 9.9 9.6 14.4

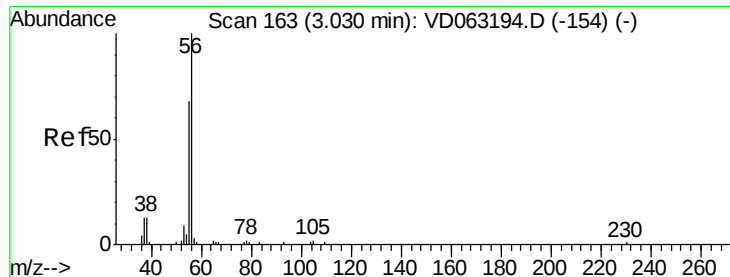


#12

1,1-Dichloroethene
Concen: 47.467 ug/l
RT: 3.12 min Scan# 172
Delta R.T. 0.01 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

Tgt Ion: 96 Resp: 305494
Ion Ratio Lower Upper
96 100
61 187.0 173.7 260.5
98 63.0 55.8 83.8

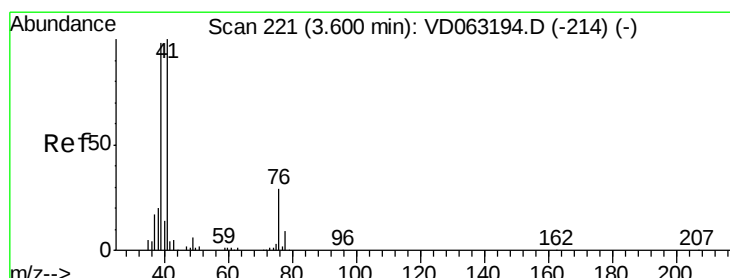
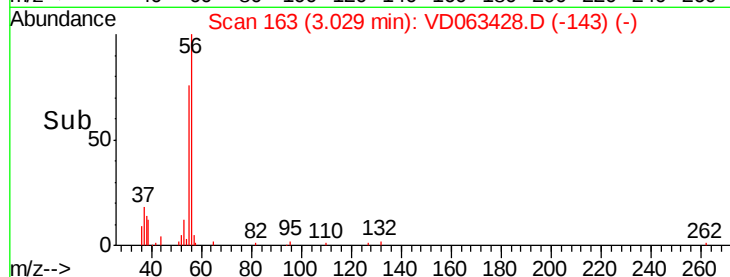
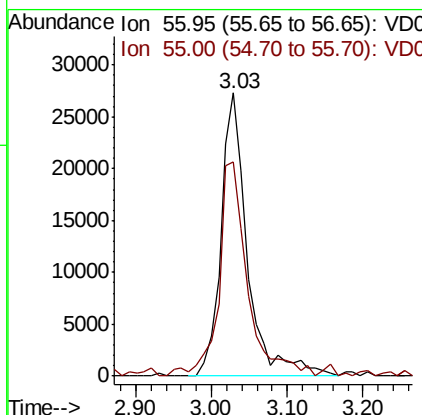
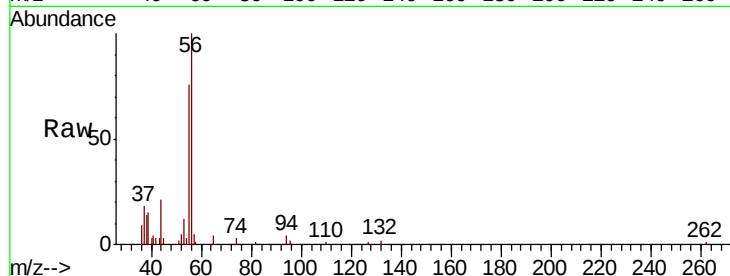




#13
Acrolein
Concen: 168.862 ug/l
RT: 3.03 min Scan# 163
Delta R.T. -0.00 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

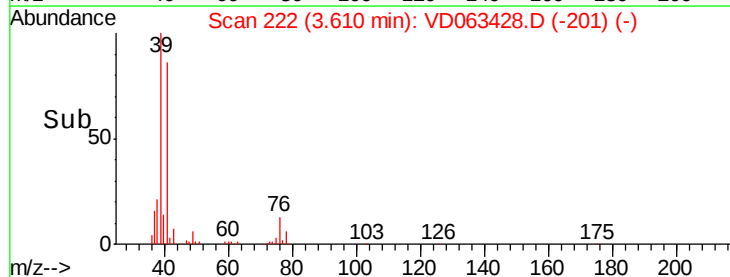
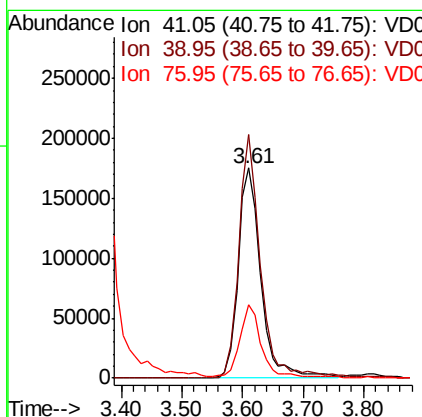
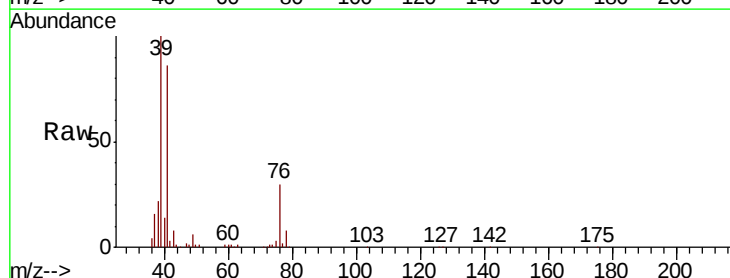
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

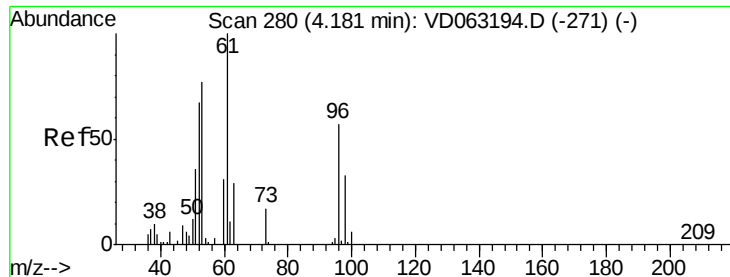
Tgt Ion: 56 Resp: 65663
Ion Ratio Lower Upper
56 100
55 75.6 55.3 82.9



#14
Allyl chloride
Concen: 44.491 ug/l
RT: 3.61 min Scan# 222
Delta R.T. 0.01 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

Tgt Ion: 41 Resp: 456149
Ion Ratio Lower Upper
41 100
39 115.9 78.6 117.8
76 35.1 24.5 36.7





#15

Acrylonitrile

Concen: 204.582 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

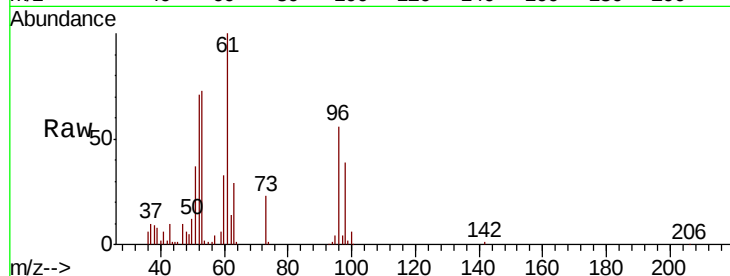
Tgt Ion: 53 Resp: 214305

Ion Ratio Lower Upper

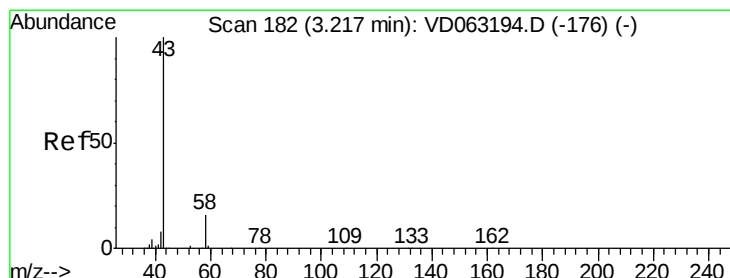
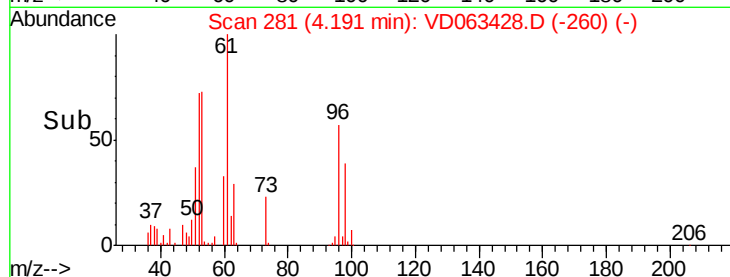
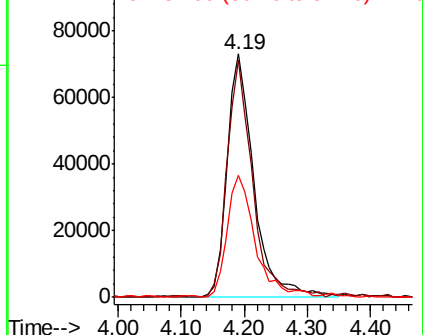
53 100

52 97.7 69.7 104.5

51 50.2 37.4 56.0



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 211.744 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD063428.D

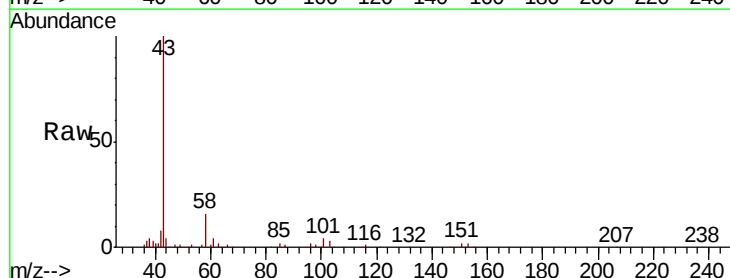
Acq: 7 Aug 2019 19:13

Tgt Ion: 43 Resp: 379843

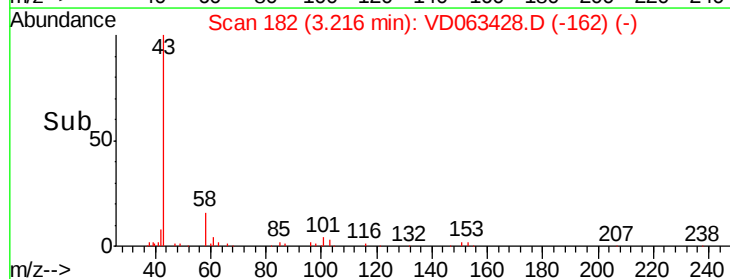
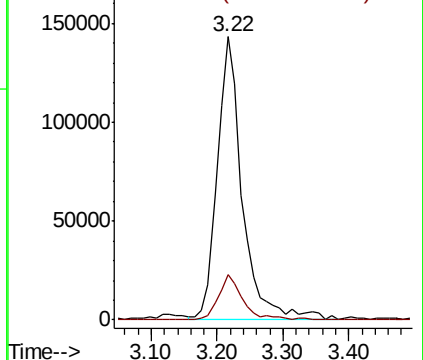
Ion Ratio Lower Upper

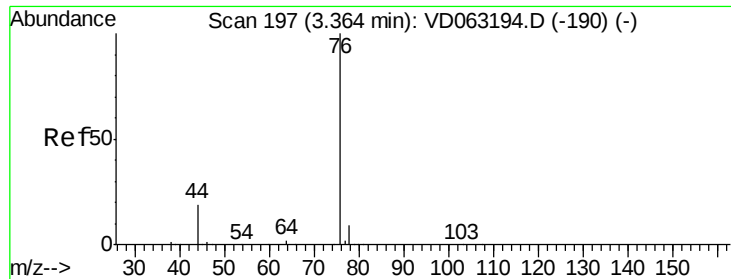
43 100

58 16.1 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

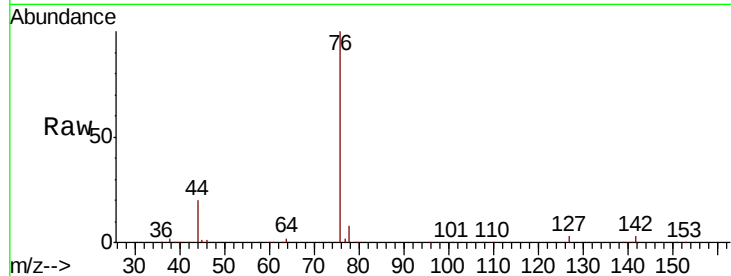




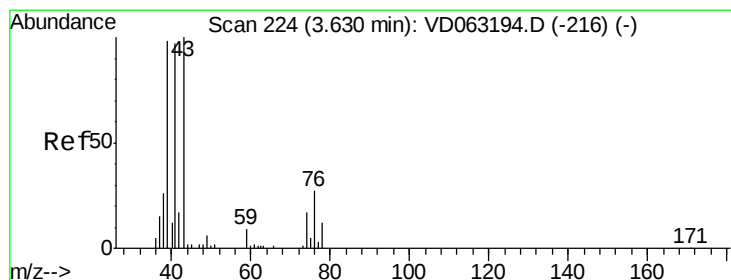
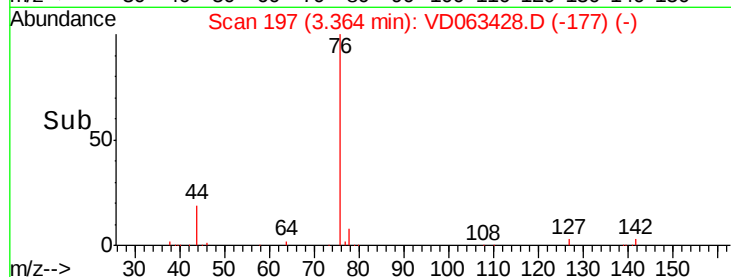
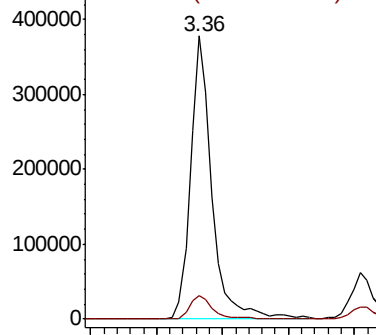
#17
Carbon Disulfide
Concen: 39.616 ug/l
RT: 3.36 min Scan# 197
Delta R.T. -0.00 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 853403
Ion Ratio Lower Upper
76 100
78 8.3 7.4 11.2

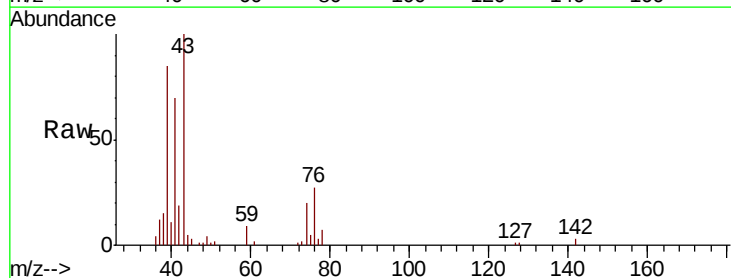


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

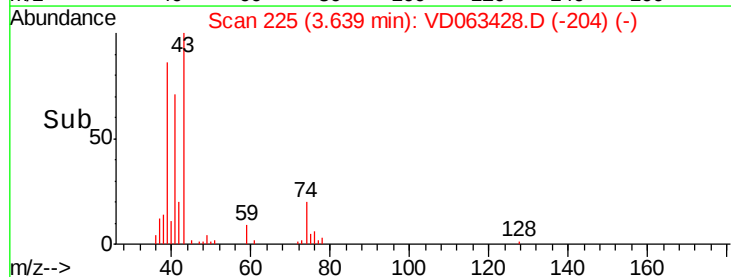
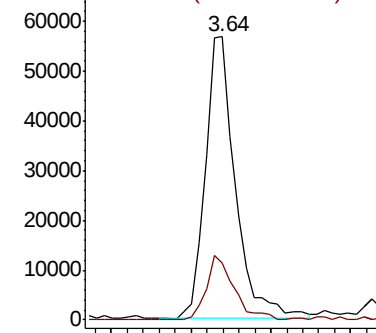


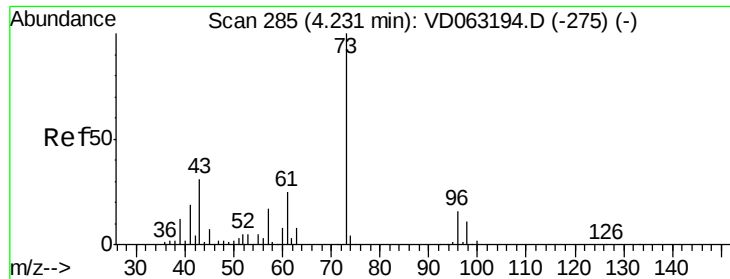
#18
Methyl Acetate
Concen: 42.676 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

Tgt Ion: 43 Resp: 147050
Ion Ratio Lower Upper
43 100
74 20.0 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC



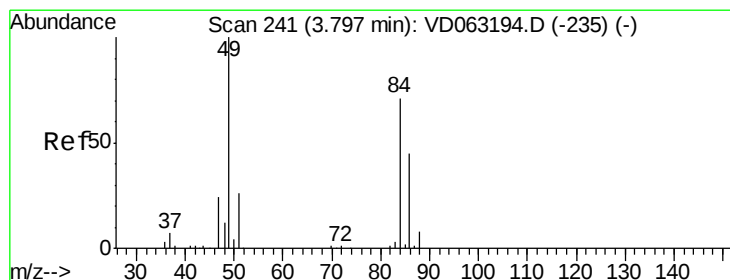
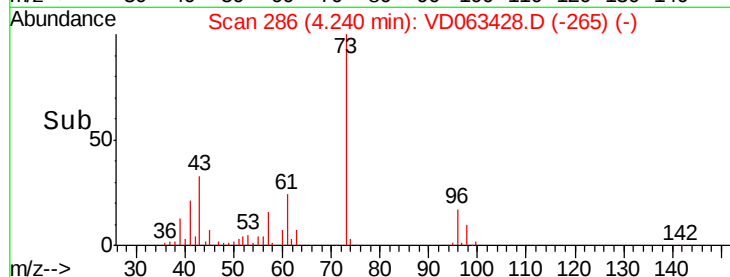
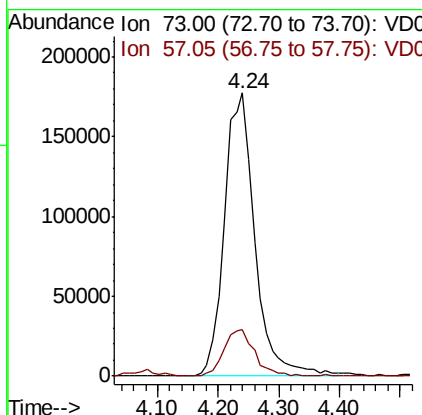
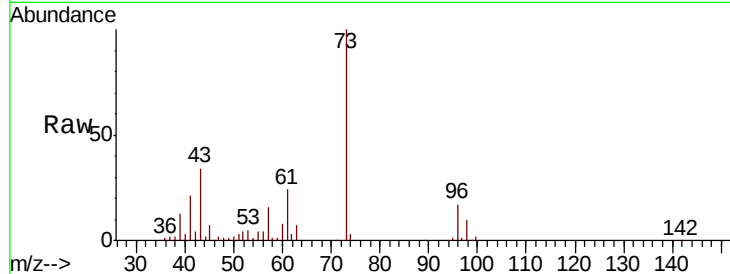


#19

Methyl tert-butyl Ether
 Concen: 42.640 ug/l
 RT: 4.24 min Scan# 286
 Delta R.T. 0.01 min
 Lab File: VD063428.D
 Acq: 7 Aug 2019 19:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

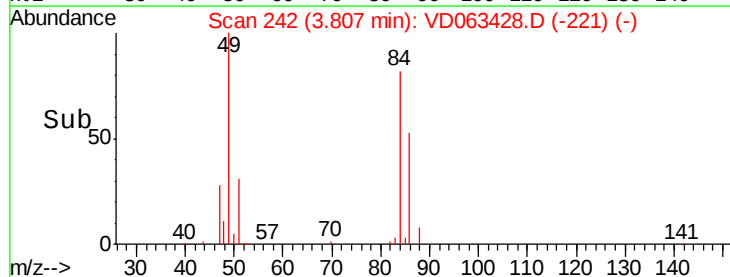
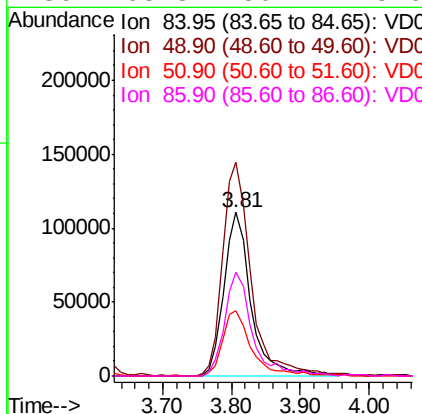
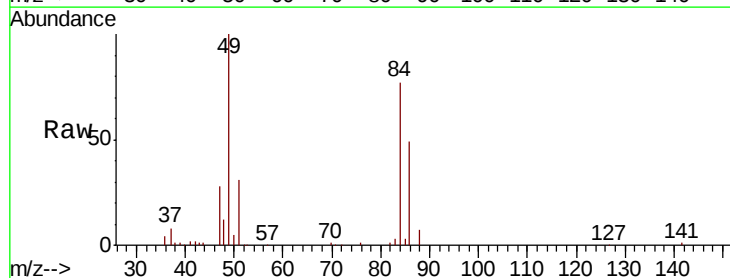
Tgt Ion: 73 Resp: 619893
 Ion Ratio Lower Upper
 73 100
 57 16.4 13.8 20.6

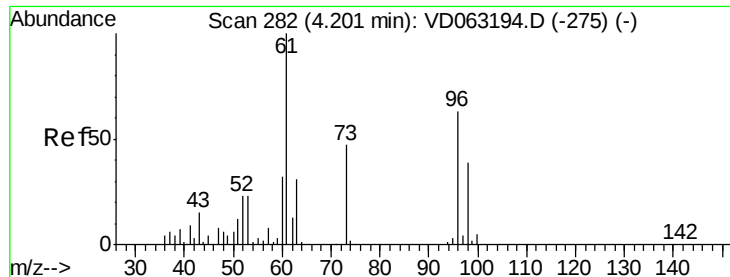


#20

Methylene Chloride
 Concen: 41.826 ug/l
 RT: 3.81 min Scan# 242
 Delta R.T. 0.01 min
 Lab File: VD063428.D
 Acq: 7 Aug 2019 19:13

Tgt Ion: 84 Resp: 303283
 Ion Ratio Lower Upper
 84 100
 49 130.6 112.5 168.7
 51 40.2 29.6 44.4
 86 63.8 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 41.944 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

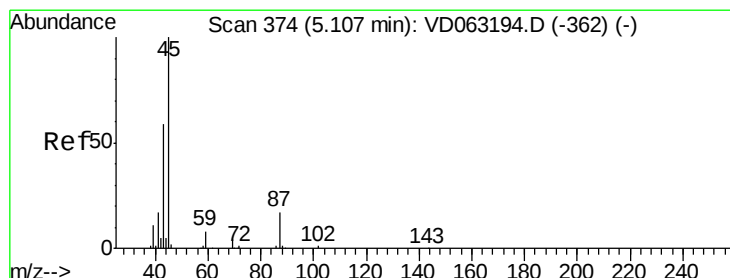
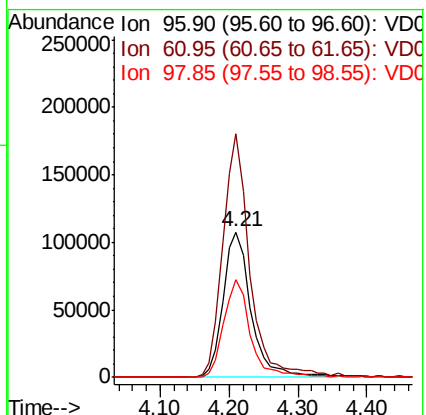
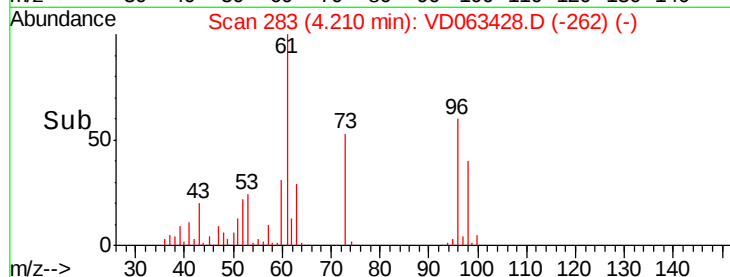
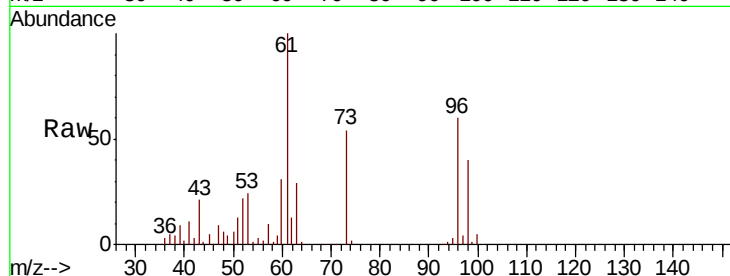
Tgt Ion: 96 Resp: 302892

Ion Ratio Lower Upper

96 100

61 167.3 127.4 191.2

98 67.0 49.3 73.9



#22

Diisopropyl ether

Concen: 44.362 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Tgt Ion: 45 Resp: 908692

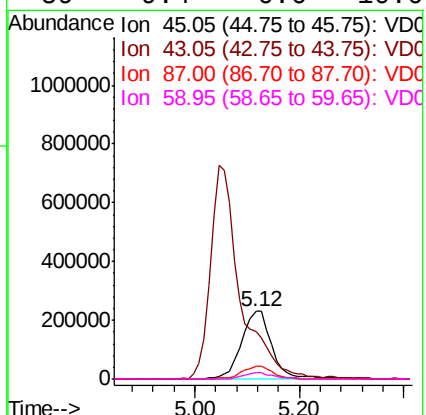
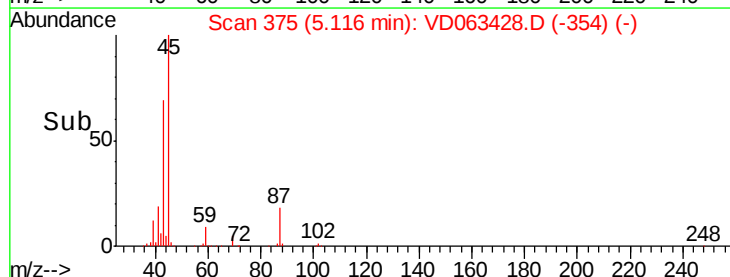
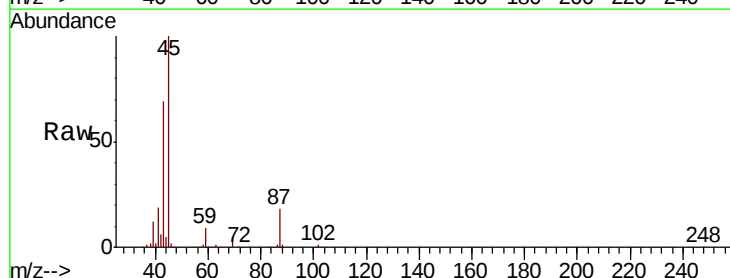
Ion Ratio Lower Upper

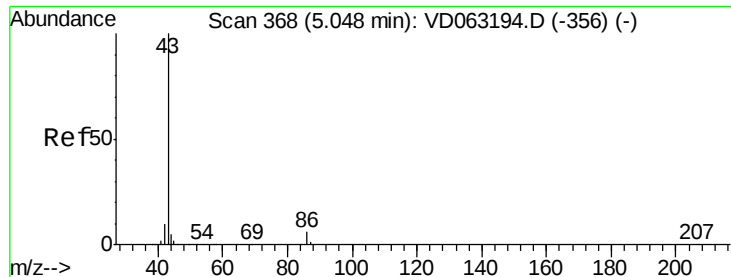
45 100

43 69.4 51.7 77.5

87 18.4 14.6 21.8

59 9.4 6.6 10.0





#23

Vinyl Acetate

Concen: 226.019 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

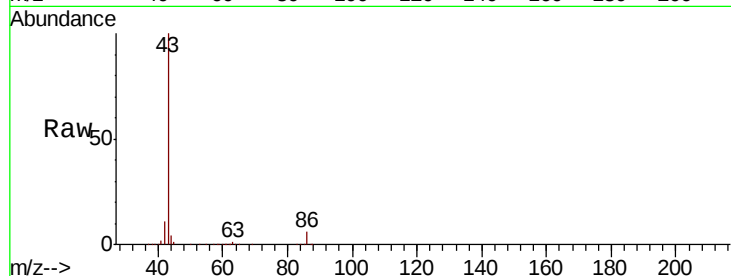
VSTDCCC050EC

Tgt Ion: 43 Resp: 2845900

Ion Ratio Lower Upper

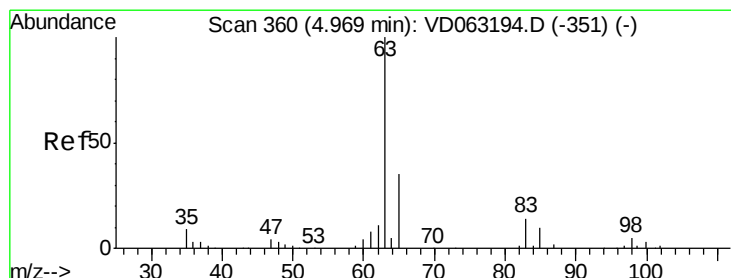
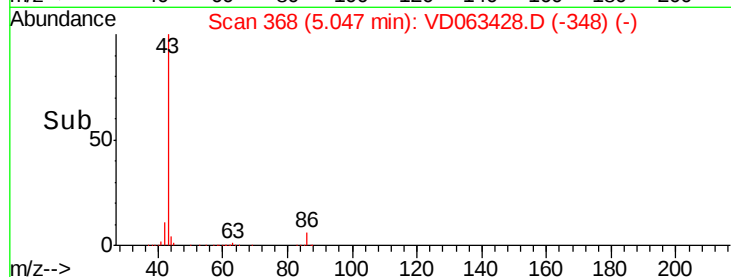
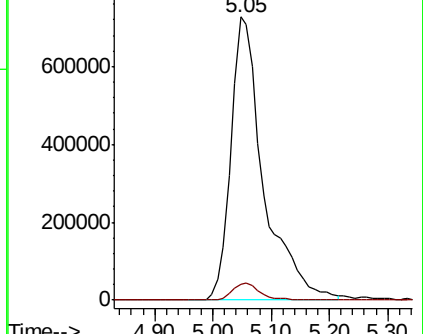
43 100

86 5.6 4.9 7.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 44.357 ug/l

RT: 4.98 min Scan# 361

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

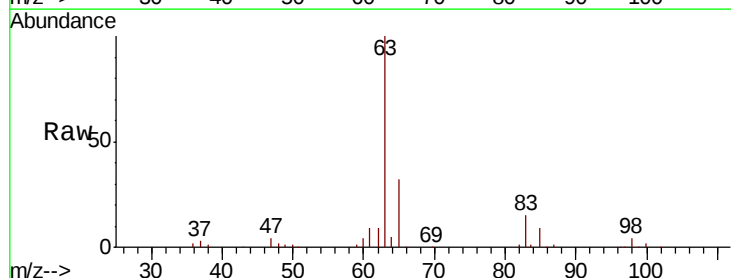
Tgt Ion: 63 Resp: 580373

Ion Ratio Lower Upper

63 100

98 4.5 2.8 8.4

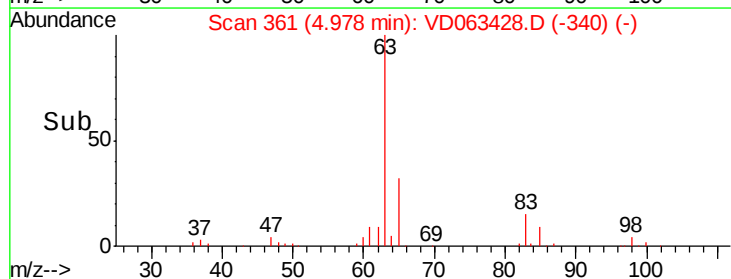
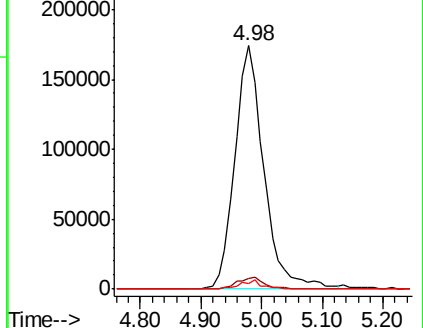
100 2.4 1.3 3.9

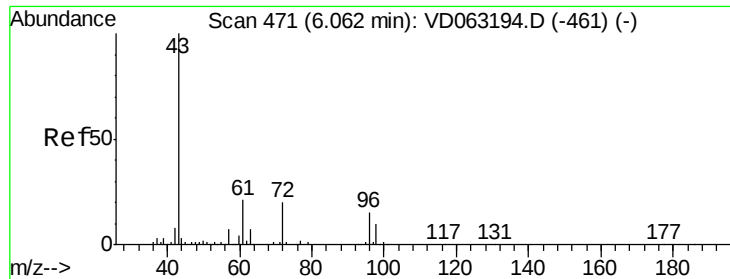


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 224.742 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

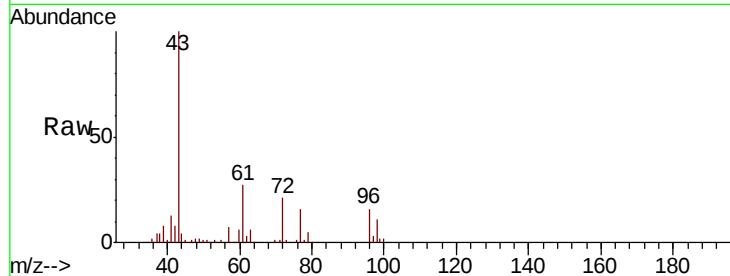
VSTDCCC050EC

Tgt Ion: 43 Resp: 404606

Ion Ratio Lower Upper

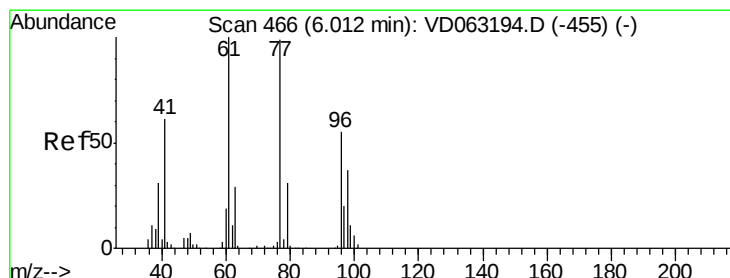
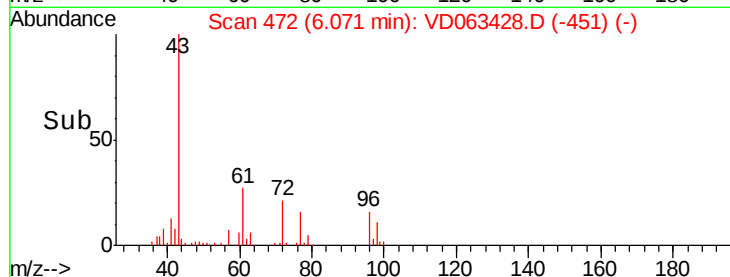
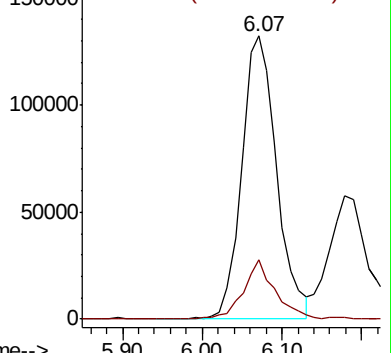
43 100

72 21.1 16.3 24.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 44.575 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.01 min

Lab File: VD063428.D

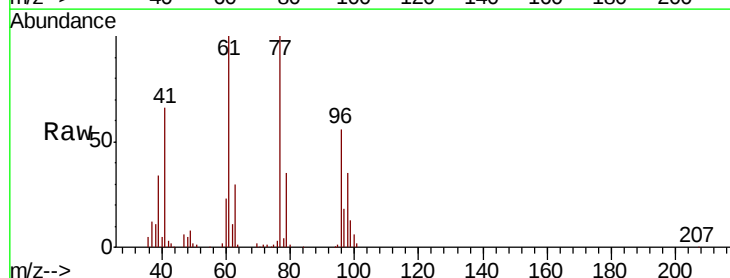
Acq: 7 Aug 2019 19:13

Tgt Ion: 77 Resp: 601038

Ion Ratio Lower Upper

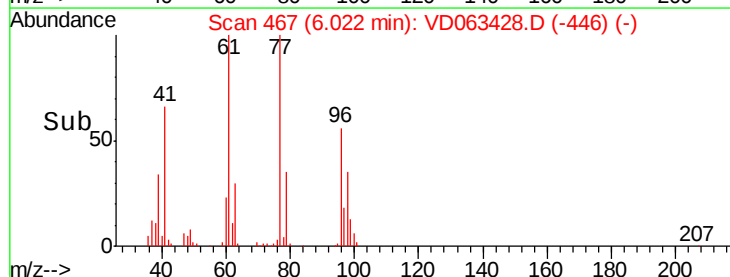
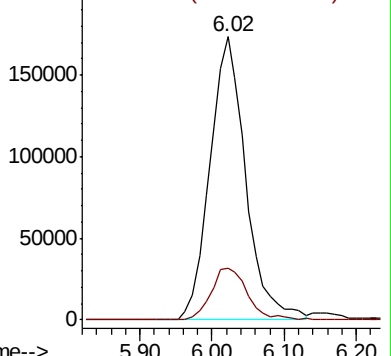
77 100

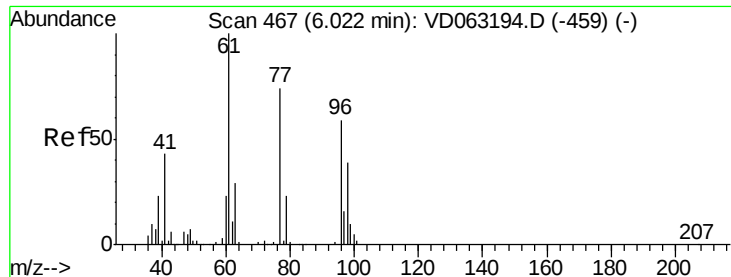
97 18.4 10.2 30.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



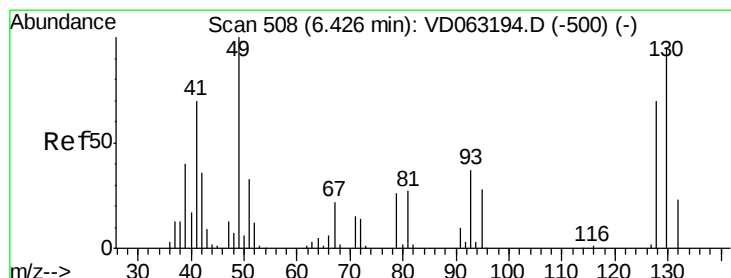
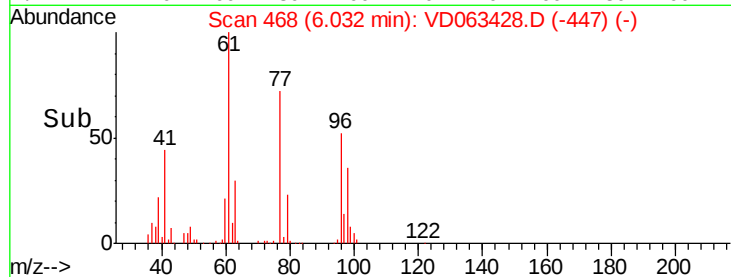
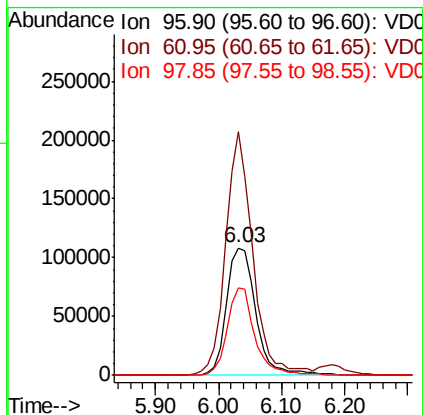
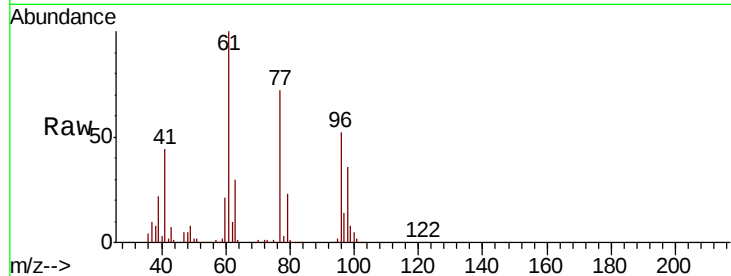


#27

cis-1,2-Dichloroethene
Concen: 44.992 ug/l
RT: 6.03 min Scan# 468
Delta R.T. 0.01 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

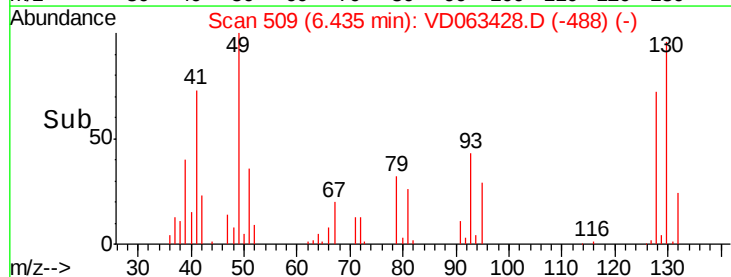
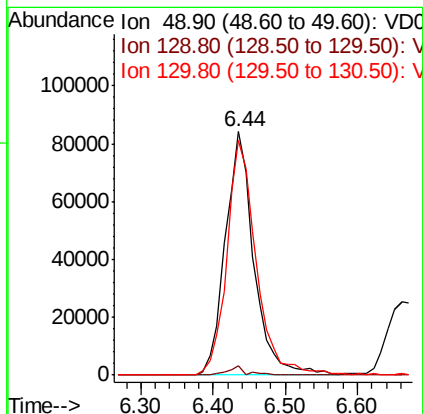
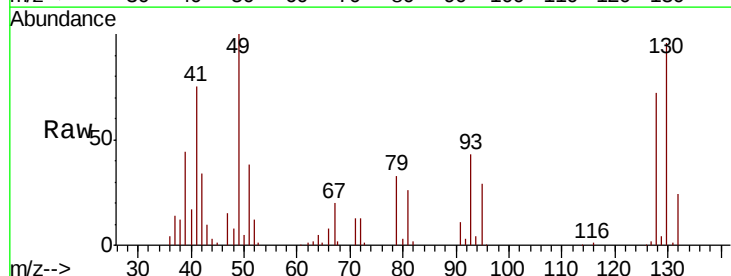
Tgt Ion: 96 Resp: 348345
Ion Ratio Lower Upper
96 100
61 190.6 0.0 337.2
98 68.6 0.0 130.6

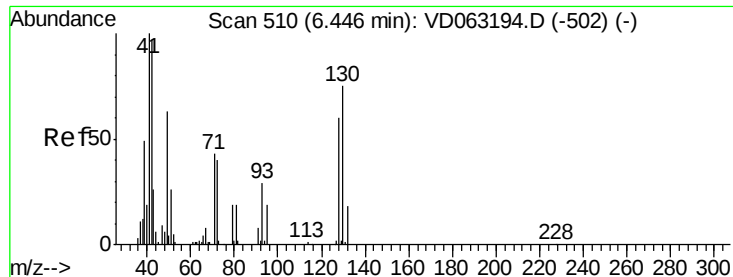


#28

Bromochloromethane
Concen: 44.418 ug/l
RT: 6.44 min Scan# 509
Delta R.T. 0.01 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

Tgt Ion: 49 Resp: 231552
Ion Ratio Lower Upper
49 100
129 3.7 0.0 0.0#
130 96.2 75.7 113.5

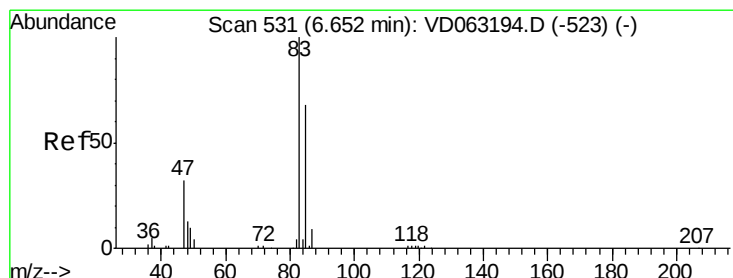
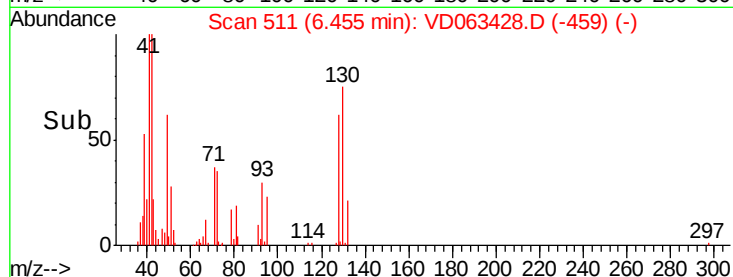
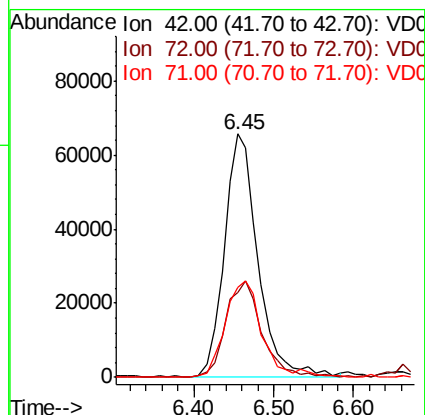
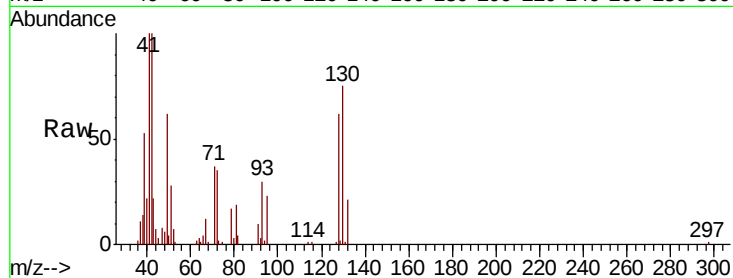




#29
Tetrahydrofuran
Concen: 227.831 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

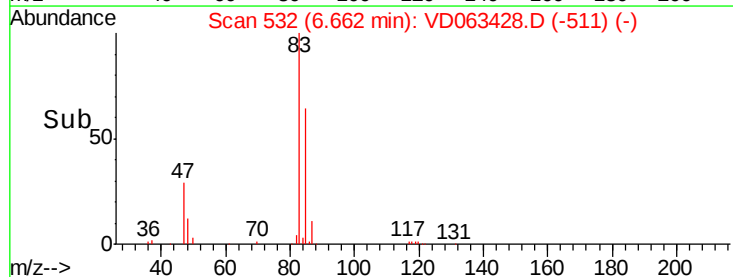
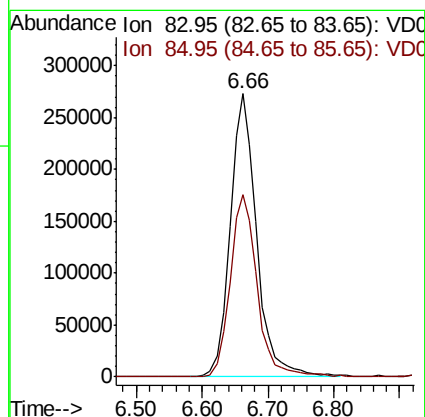
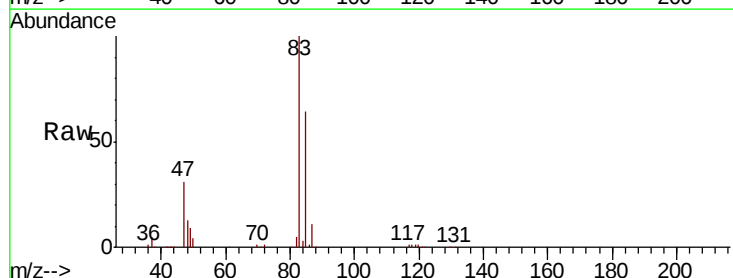
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

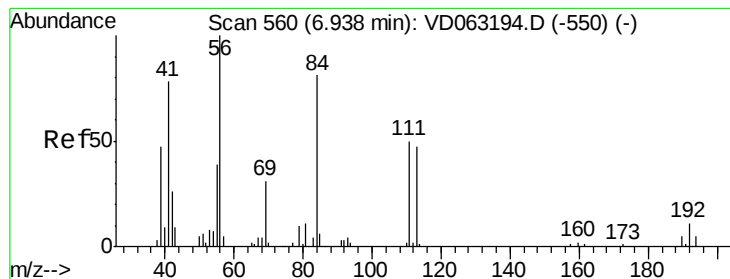
Tgt Ion: 42 Resp: 194193
Ion Ratio Lower Upper
42 100
72 42.6 33.4 50.2
71 43.5 35.7 53.5



#30
Chloroform
Concen: 46.954 ug/l
RT: 6.66 min Scan# 532
Delta R.T. 0.01 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

Tgt Ion: 83 Resp: 762409
Ion Ratio Lower Upper
83 100
85 64.3 54.2 81.4





#31

Cyclohexane

Concen: 41.224 ug/l

RT: 6.95 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

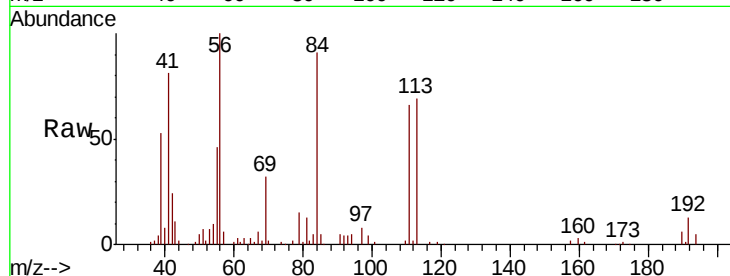
Tgt Ion: 56 Resp: 338087

Ion Ratio Lower Upper

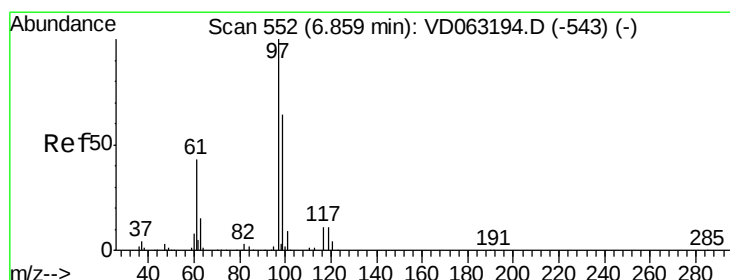
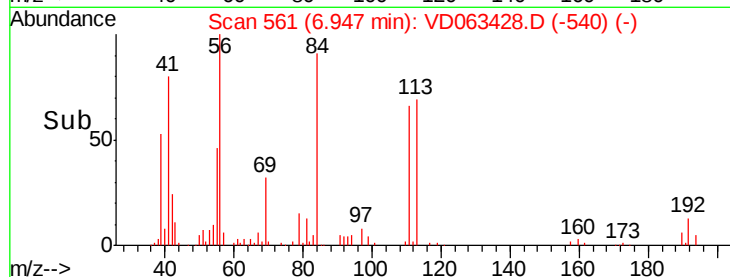
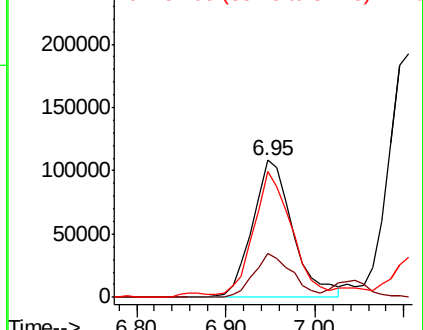
56 100

69 31.6 24.5 36.7

84 91.2 64.9 97.3



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 49.901 ug/l

RT: 6.87 min Scan# 553

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

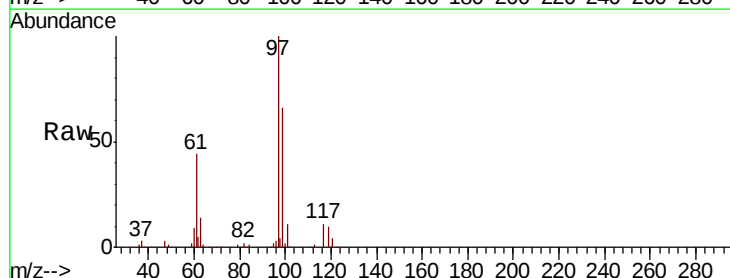
Tgt Ion: 97 Resp: 783746

Ion Ratio Lower Upper

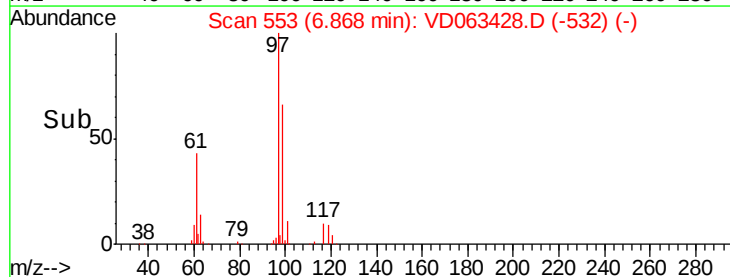
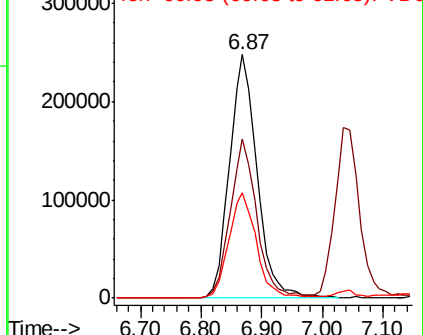
97 100

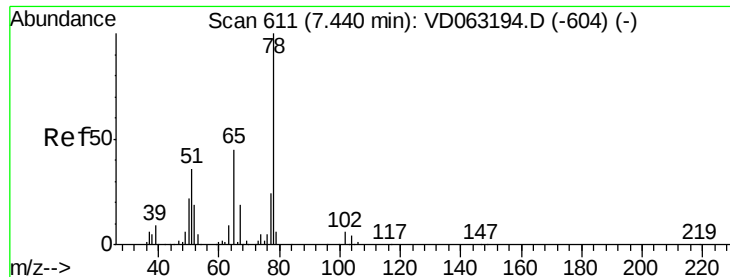
99 65.5 51.2 76.8

61 43.5 34.2 51.2



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 51.951 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

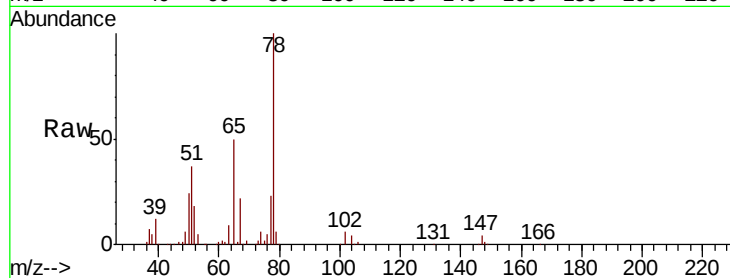
VSTDCCC050EC

Tgt Ion: 65 Resp: 478312

Ion Ratio Lower Upper

65 100

67 43.7 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

200000

150000

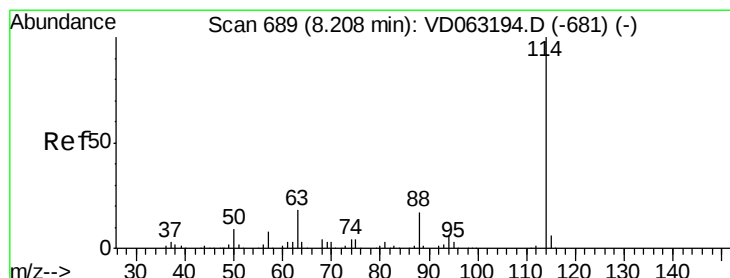
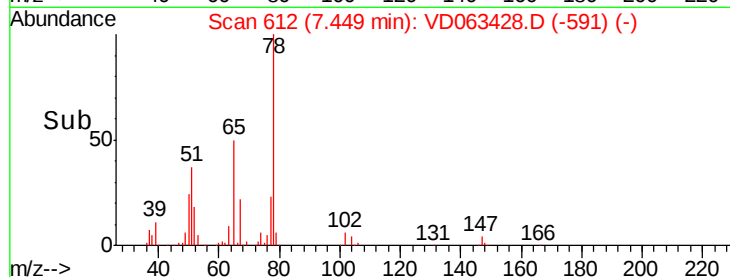
100000

50000

0

7.40 7.50

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

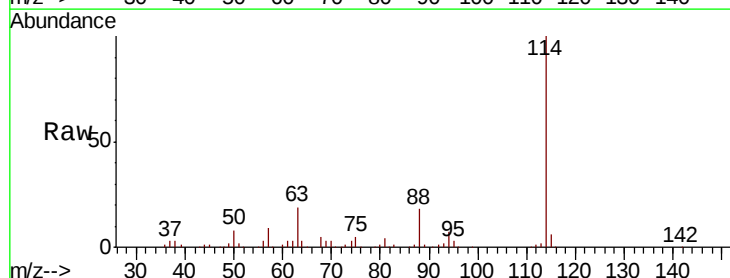
Tgt Ion: 114 Resp: 1094574

Ion Ratio Lower Upper

114 100

63 19.1 0.0 35.2

88 17.7 0.0 34.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.22

600000

500000

400000

300000

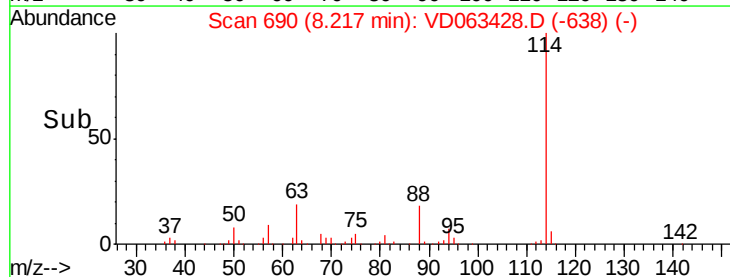
200000

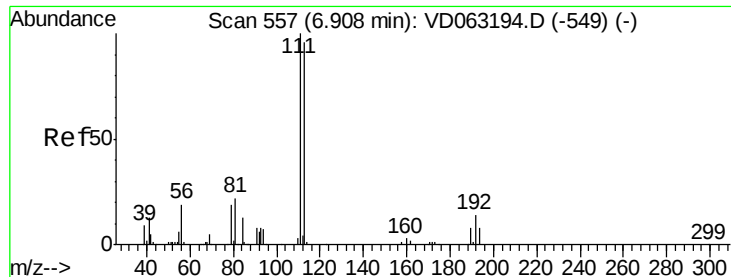
100000

0

8.10 8.20 8.30 8.40

Time-->

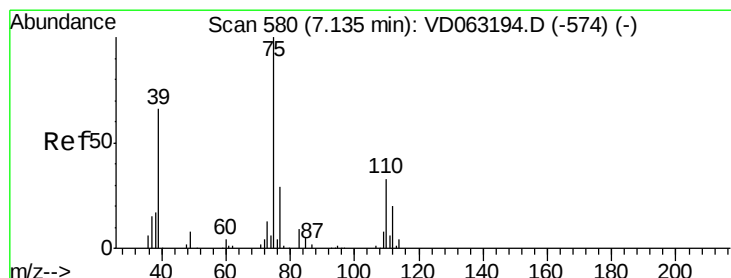
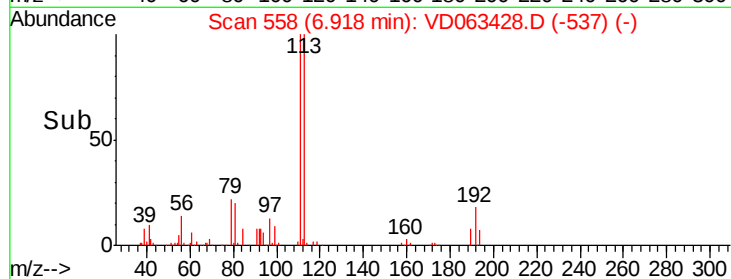
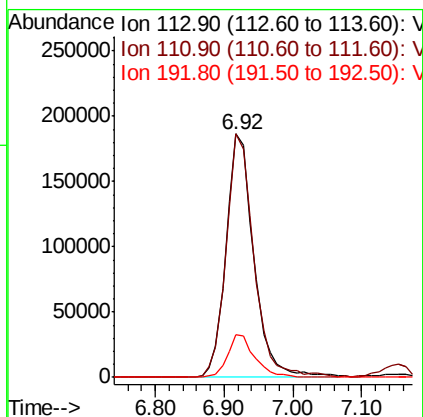
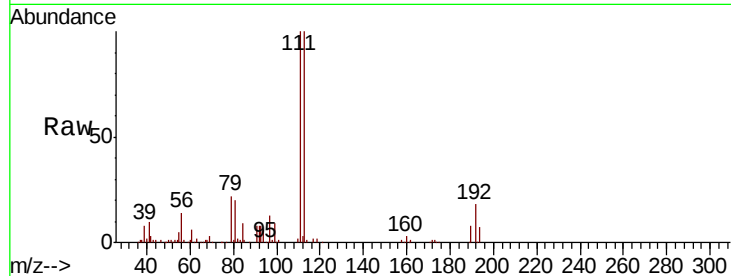




#35
 Dibromofluoromethane
 Concen: 55.841 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD063428.D
 Acq: 7 Aug 2019 19:13

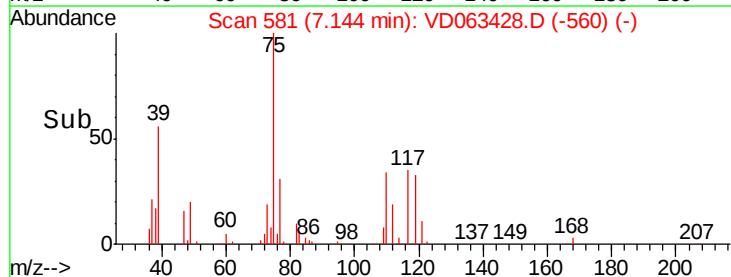
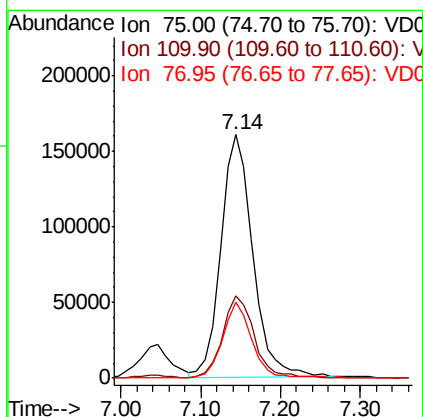
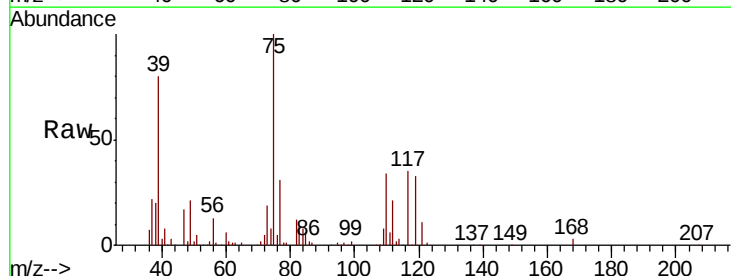
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

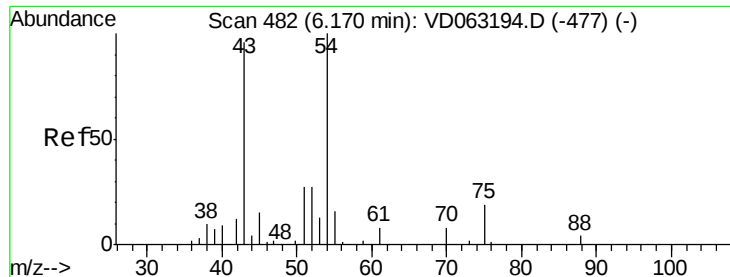
Tgt Ion	Ratio	Lower	Upper
113	100		
111	99.9	83.2	124.8
192	17.6	11.8	17.8



#36
 1,1-Dichloropropene
 Concen: 45.223 ug/l
 RT: 7.14 min Scan# 581
 Delta R.T. 0.01 min
 Lab File: VD063428.D
 Acq: 7 Aug 2019 19:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.1	48.2
77	31.3	22.7	34.1

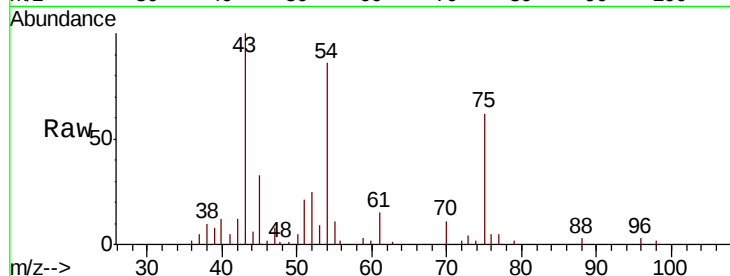




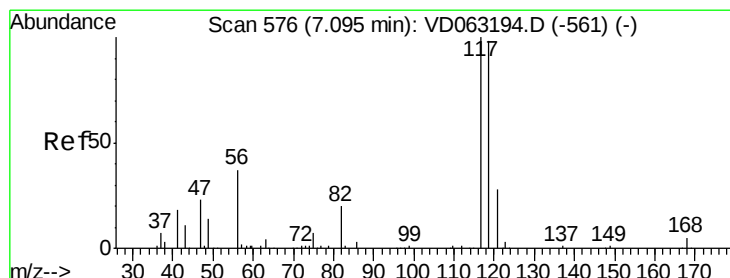
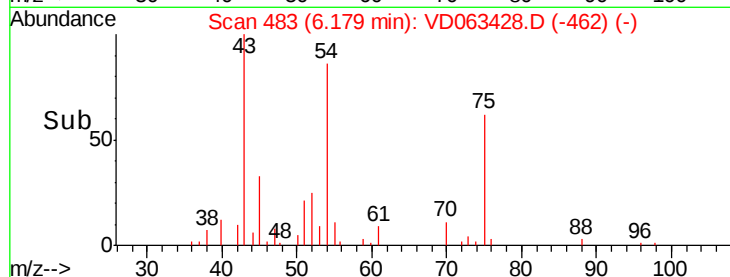
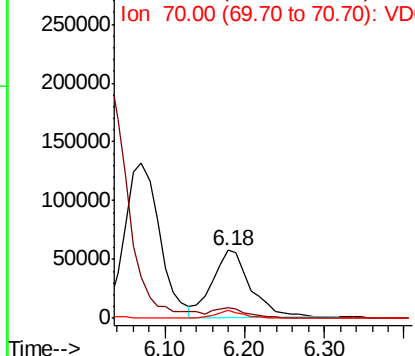
#37
Ethyl Acetate
Concen: 42.859 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 192344
Ion Ratio Lower Upper
43 100
61 15.0 11.3 16.9
70 11.1 5.1 7.7#

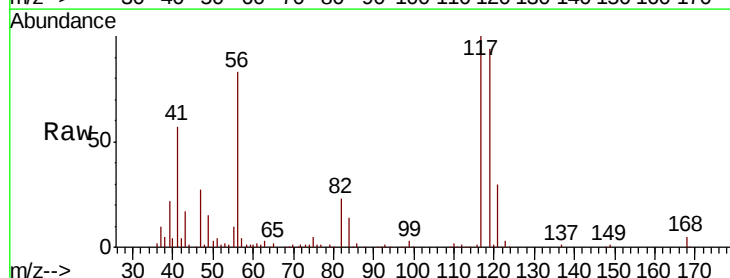


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

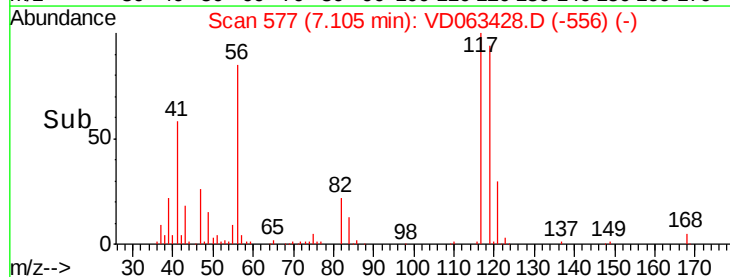
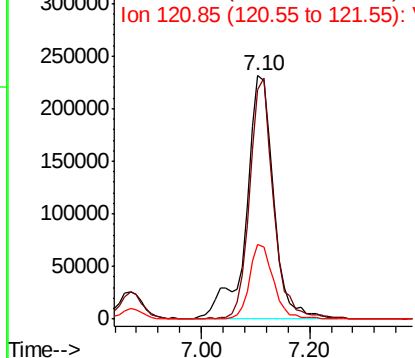


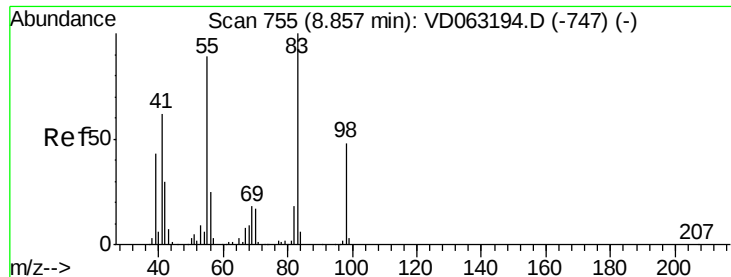
#38
Carbon Tetrachloride
Concen: 54.044 ug/l
RT: 7.10 min Scan# 577
Delta R.T. 0.01 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

Tgt Ion: 117 Resp: 812754
Ion Ratio Lower Upper
117 100
119 94.4 78.2 117.2
121 30.5 22.1 33.1



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

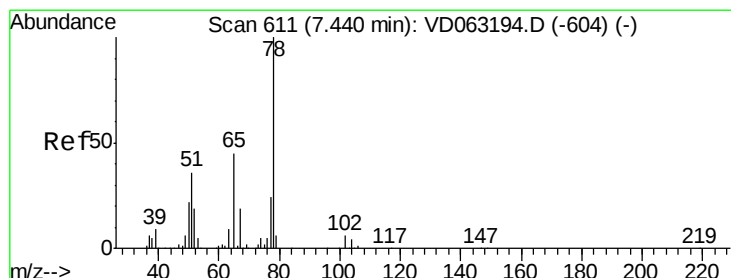
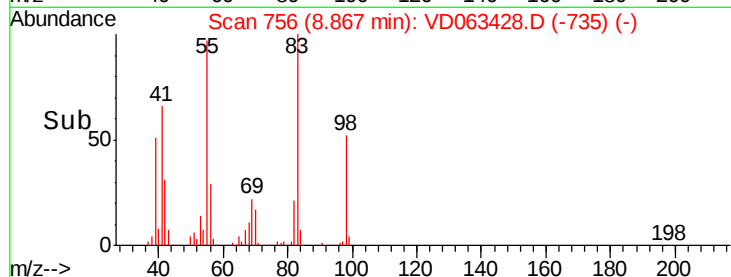
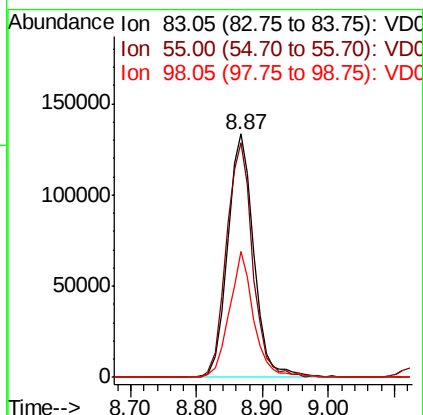
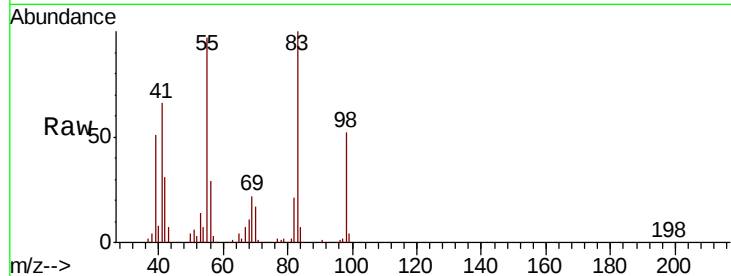




#39
Methylcyclohexane
Concen: 44.505 ug/l
RT: 8.87 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

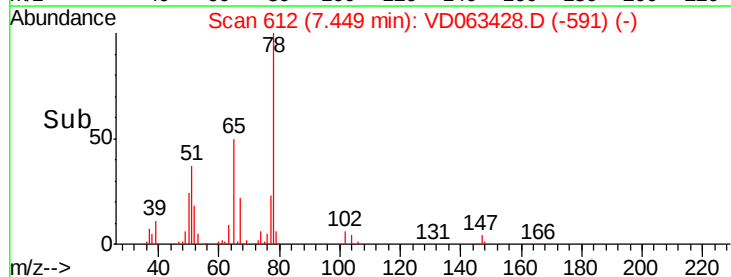
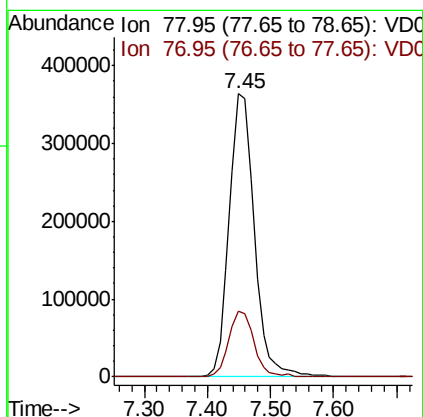
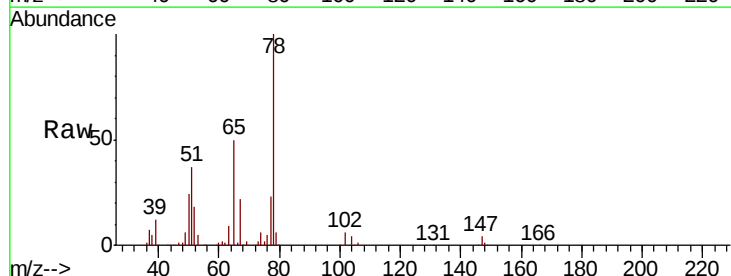
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

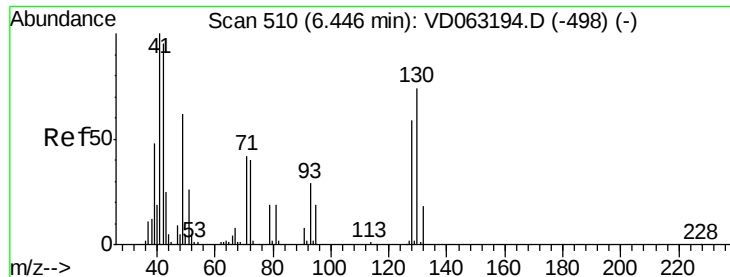
Tgt Ion: 83 Resp: 370404
Ion Ratio Lower Upper
83 100
55 96.6 71.1 106.7
98 51.9 38.5 57.7



#40
Benzene
Concen: 48.078 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

Tgt Ion: 78 Resp: 1006561
Ion Ratio Lower Upper
78 100
77 23.3 19.4 29.2





#41

Methacrylonitrile

Concen: 49.839 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.00 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 267550

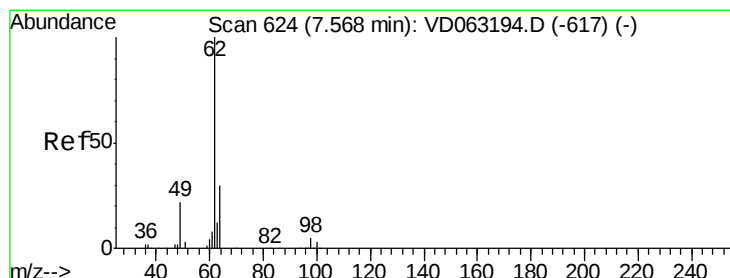
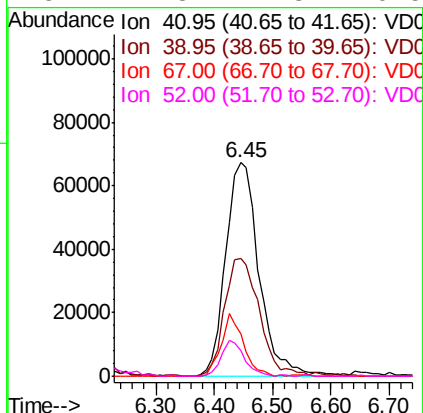
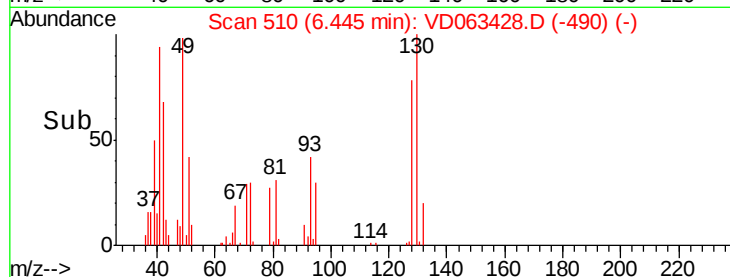
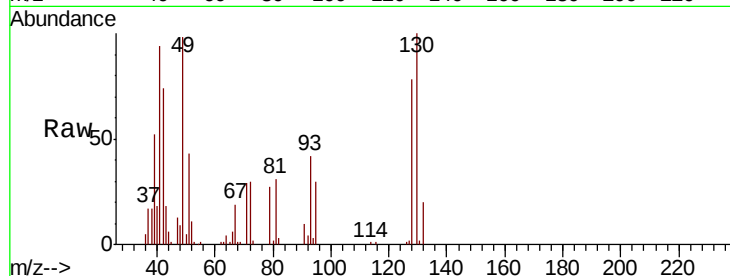
Ion Ratio Lower Upper

41 100

39 55.0 38.4 57.6

67 19.8 6.7 10.1#

52 11.8 4.3 6.5#



#42

1,2-Dichloroethane

Concen: 51.394 ug/l

RT: 7.58 min Scan# 625

Delta R.T. 0.01 min

Lab File: VD063428.D

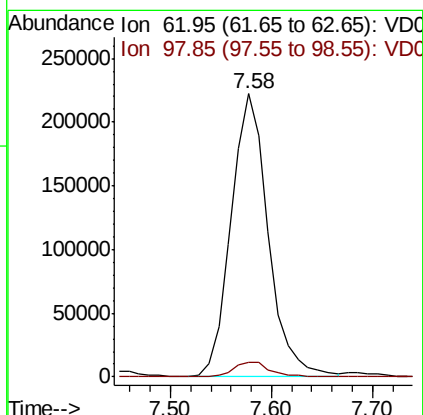
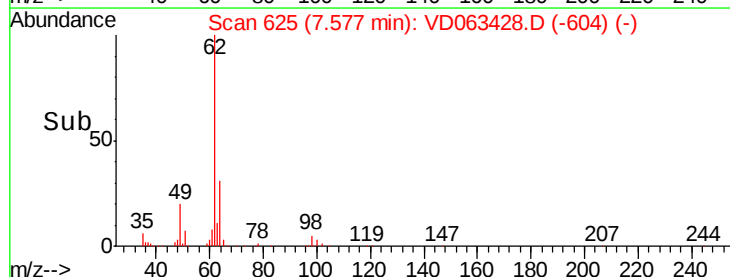
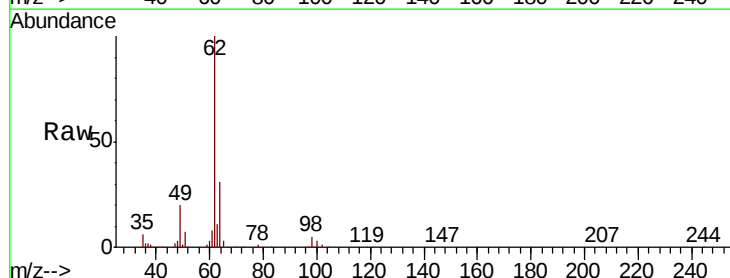
Acq: 7 Aug 2019 19:13

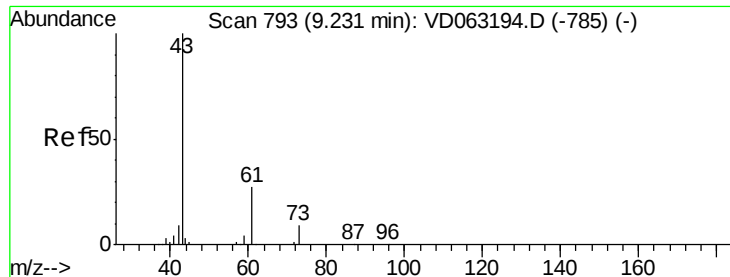
Tgt Ion: 62 Resp: 570249

Ion Ratio Lower Upper

62 100

98 5.1 0.0 9.8

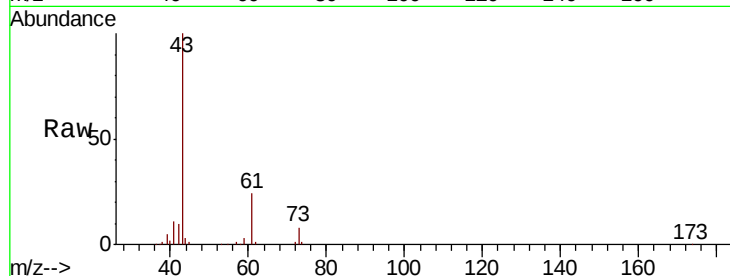




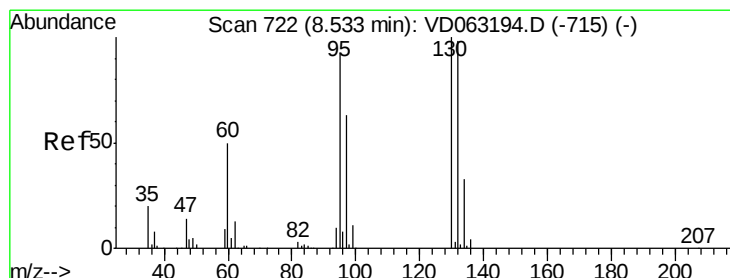
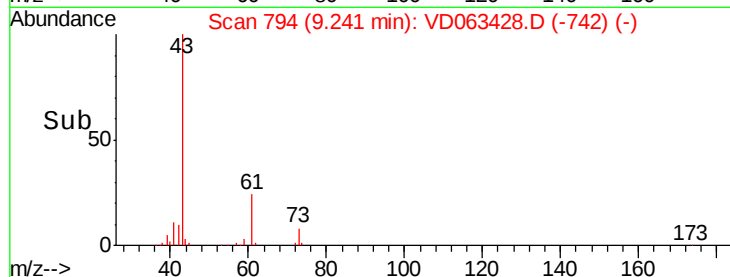
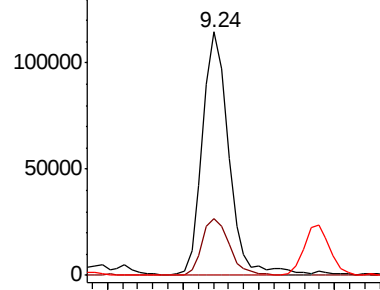
#43
Isopropyl Acetate
Concen: 48.478 ug/l
RT: 9.24 min Scan# 794
Delta R.T. 0.01 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 277910
Ion Ratio Lower Upper
43 100
61 23.6 21.4 32.0
87 0.0 0.2 0.4#

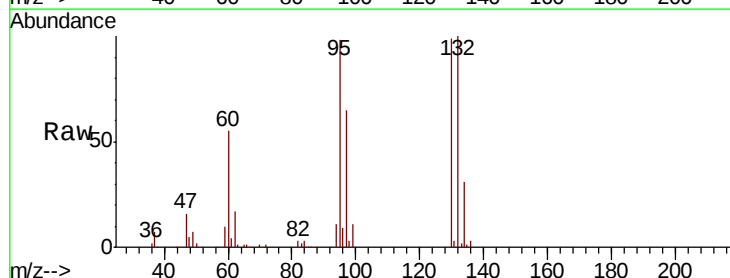


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

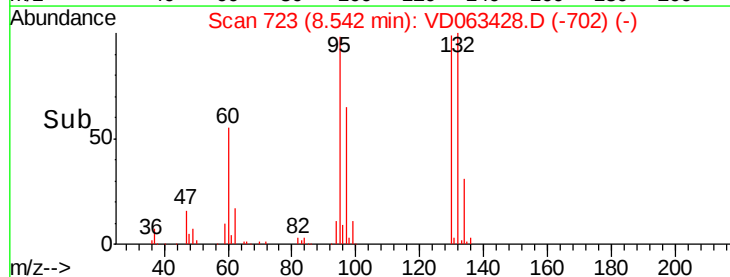
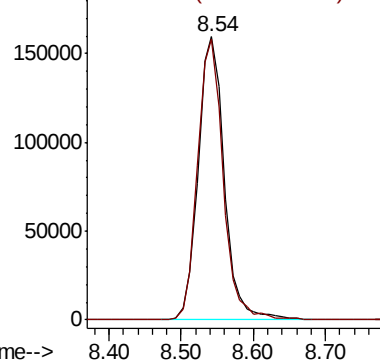


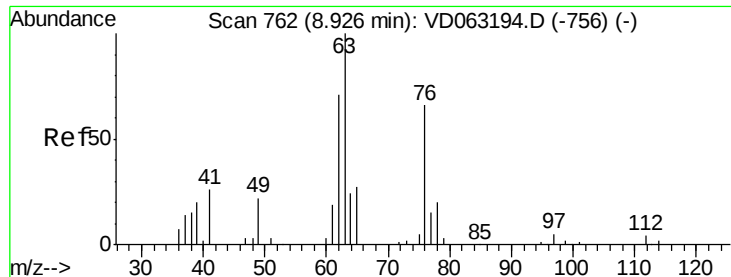
#44
Trichloroethene
Concen: 47.211 ug/l
RT: 8.54 min Scan# 723
Delta R.T. 0.01 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

Tgt Ion: 130 Resp: 400515
Ion Ratio Lower Upper
130 100
95 99.4 0.0 185.4



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





#45

1,2-Dichloropropane

Concen: 45.137 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

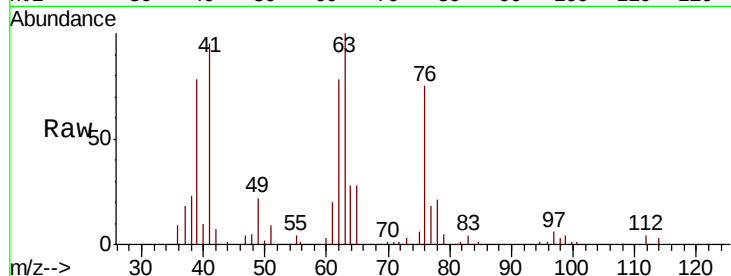
VSTDCCC050EC

Tgt Ion: 63 Resp: 240188

Ion Ratio Lower Upper

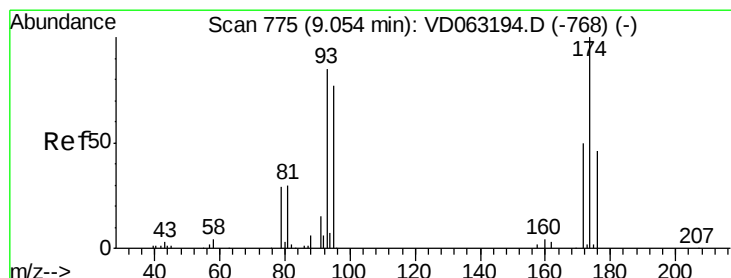
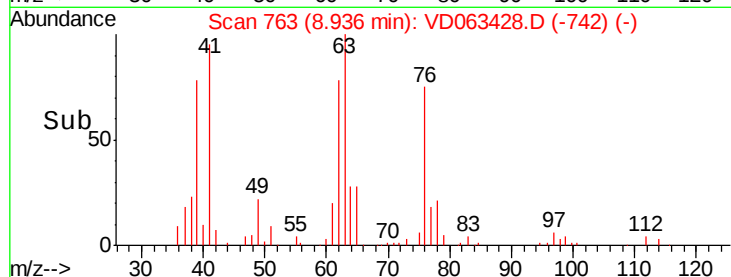
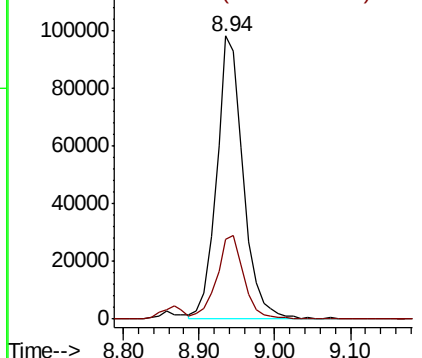
63 100

65 28.4 23.6 35.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 48.215 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

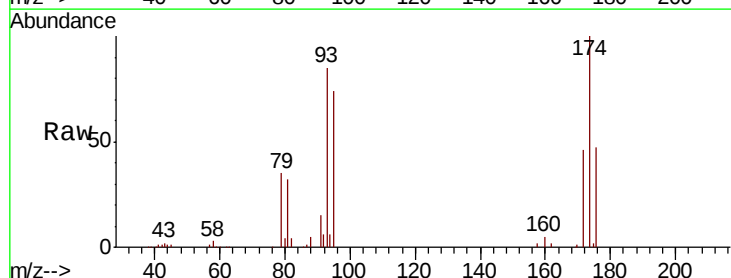
Tgt Ion: 93 Resp: 213333

Ion Ratio Lower Upper

93 100

95 87.1 72.8 109.2

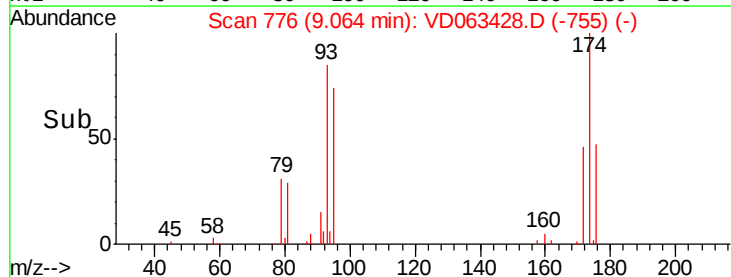
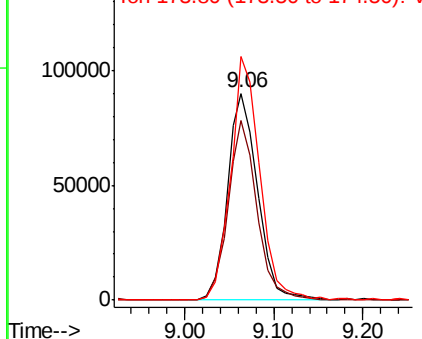
174 117.7 94.4 141.6

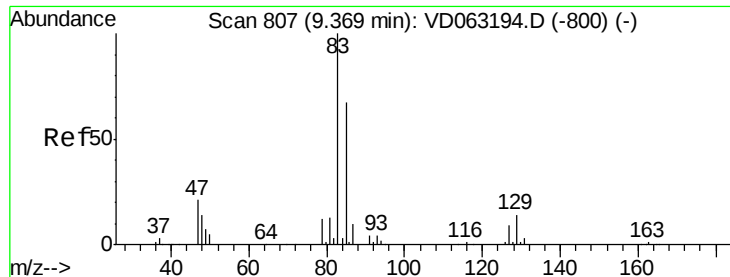


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 50.906 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

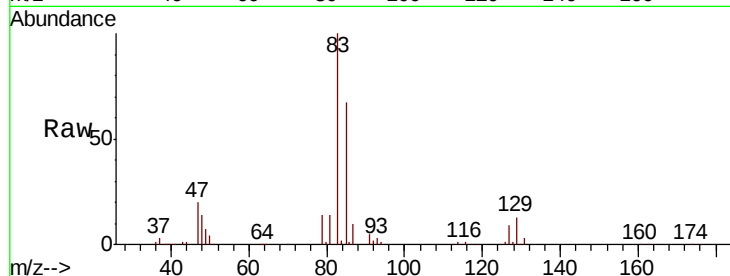
Tgt Ion: 83 Resp: 574165

Ion Ratio Lower Upper

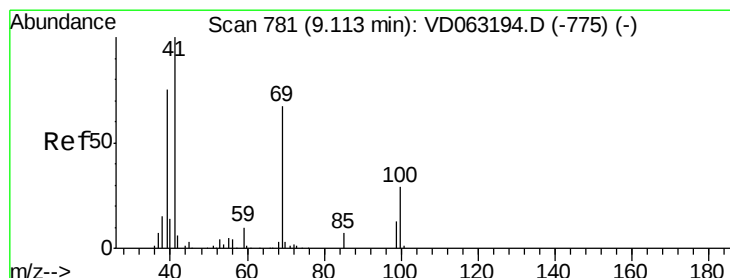
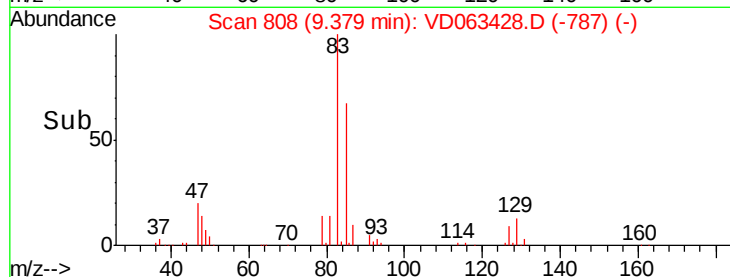
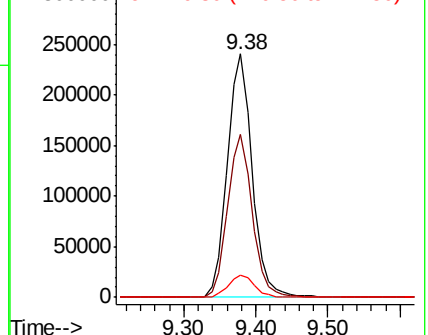
83 100

85 67.0 53.6 80.4

127 9.3 7.2 10.8



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 48.884 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

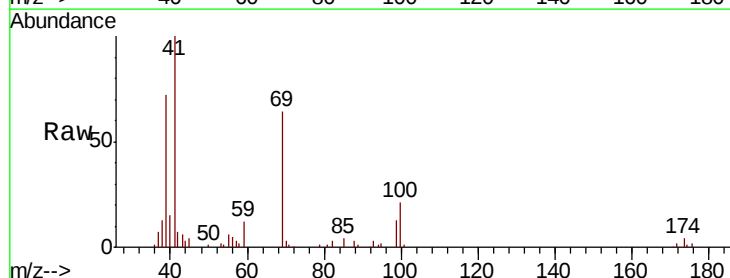
Tgt Ion: 41 Resp: 181750

Ion Ratio Lower Upper

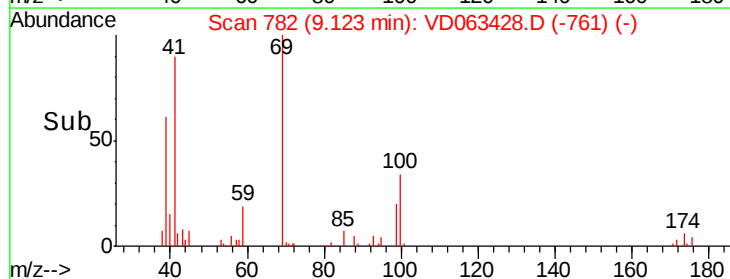
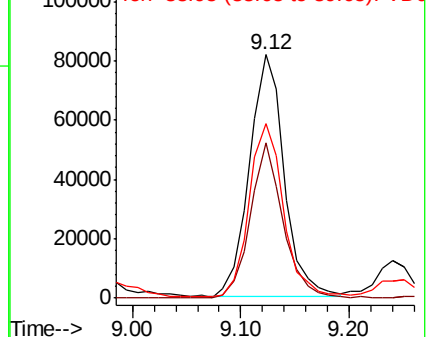
41 100

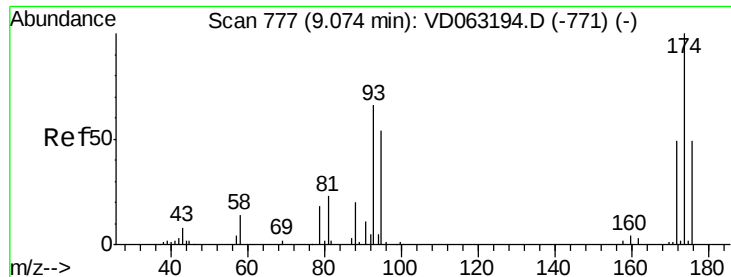
69 63.8 53.4 80.0

39 71.7 60.3 90.5



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

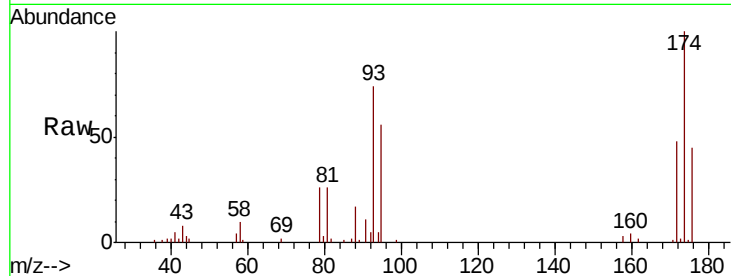




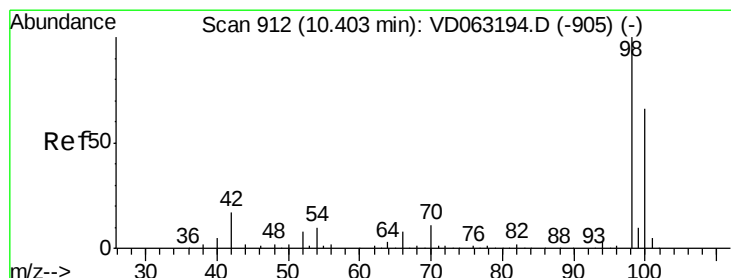
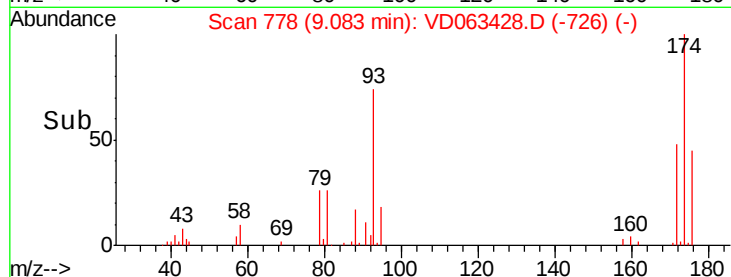
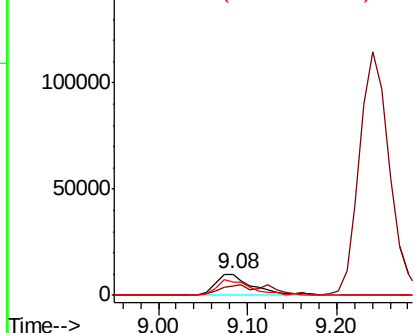
#49
1,4-Dioxane
Concen: 916.189 ug/l
RT: 9.08 min Scan# 778
Delta R.T. 0.01 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 28867
Ion Ratio Lower Upper
88 100
43 46.5 30.7 46.1#
58 62.2 56.5 84.7

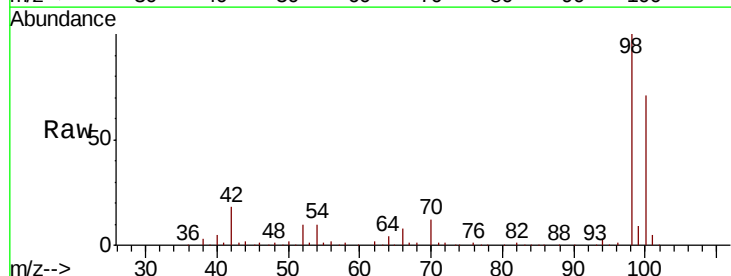


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

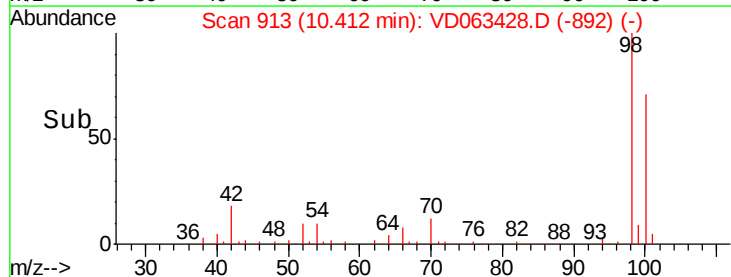
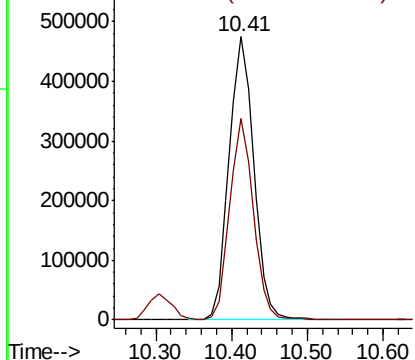


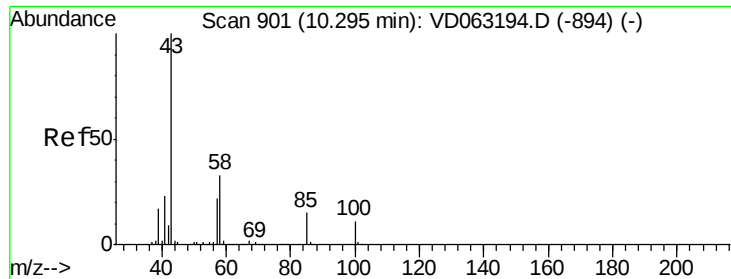
#50
Toluene-d8
Concen: 51.495 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

Tgt Ion: 98 Resp: 1077000
Ion Ratio Lower Upper
98 100
100 71.4 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

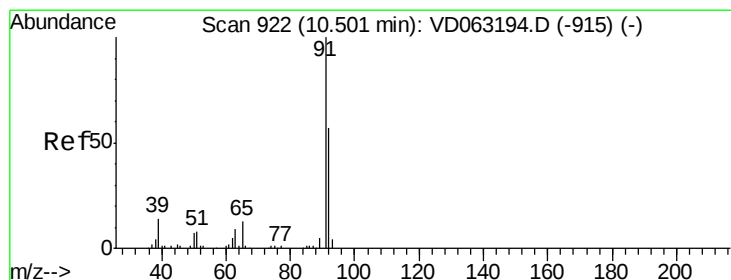
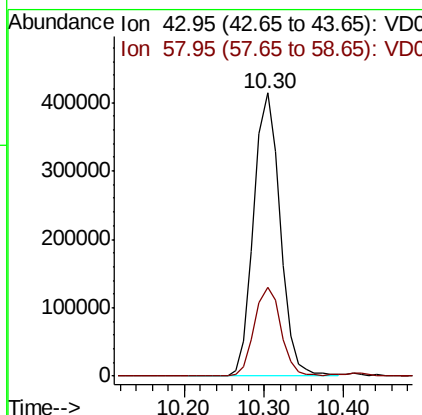
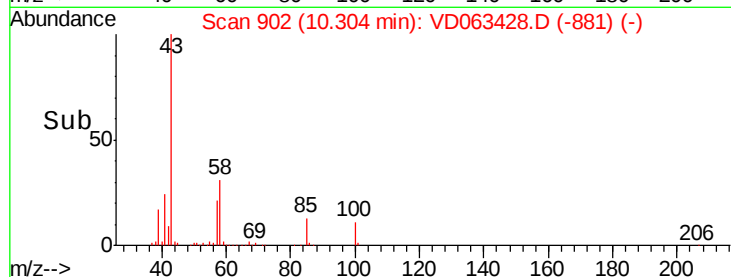
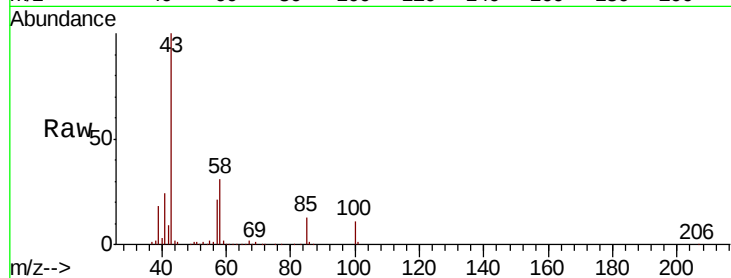




#51
 4-Methyl-2-Pentanone
 Concen: 243.199 ug/l
 RT: 10.30 min Scan# 902
 Delta R.T. 0.01 min
 Lab File: VD063428.D
 Acq: 7 Aug 2019 19:13

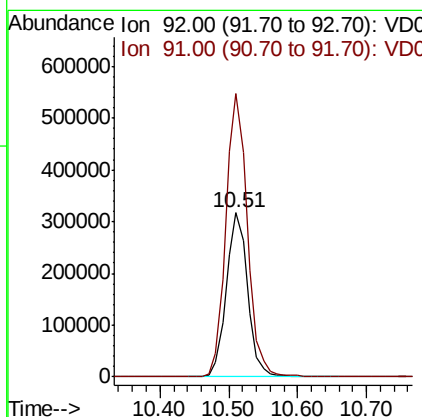
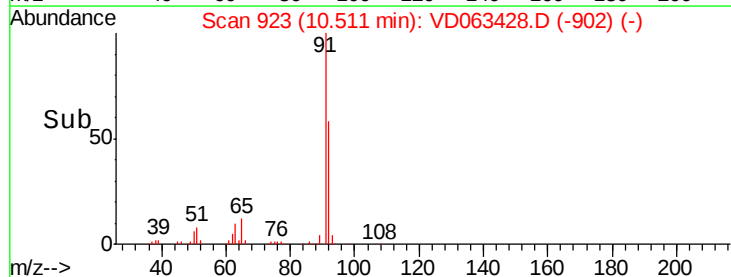
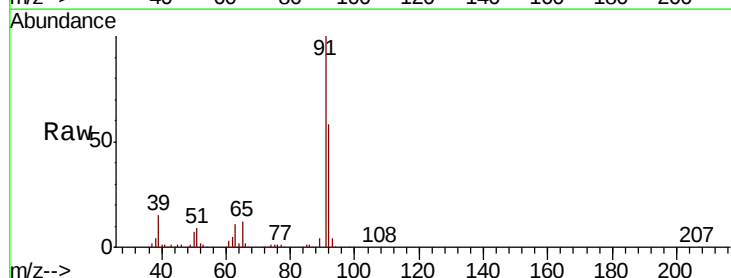
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

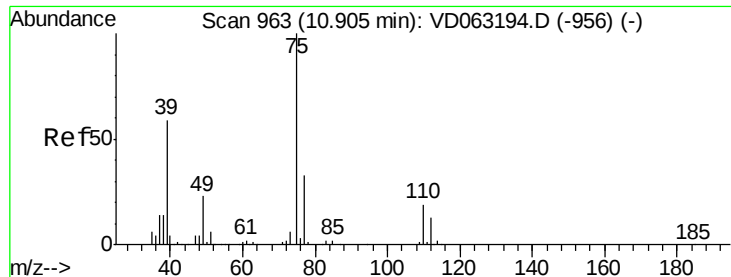
Tgt Ion: 43 Resp: 948165
 Ion Ratio Lower Upper
 43 100
 58 31.5 26.2 39.2



#52
 Toluene
 Concen: 48.775 ug/l
 RT: 10.51 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VD063428.D
 Acq: 7 Aug 2019 19:13

Tgt Ion: 92 Resp: 679172
 Ion Ratio Lower Upper
 92 100
 91 172.6 140.8 211.2

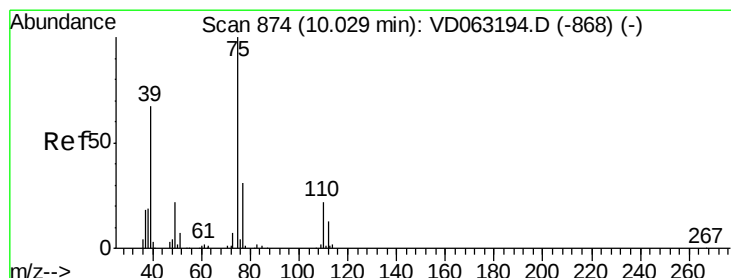
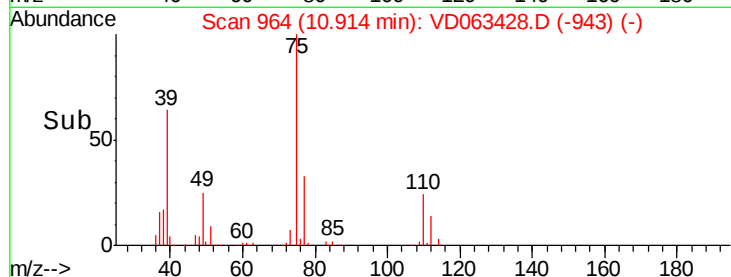
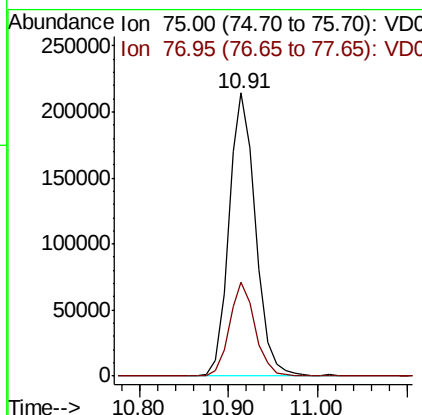
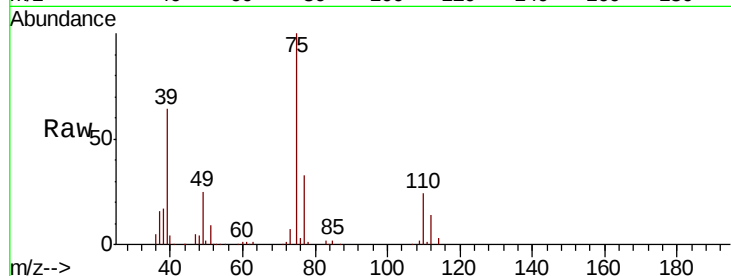




#53
t-1,3-Dichloropropene
Concen: 46.108 ug/l
RT: 10.91 min Scan# 964
Delta R.T. 0.01 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

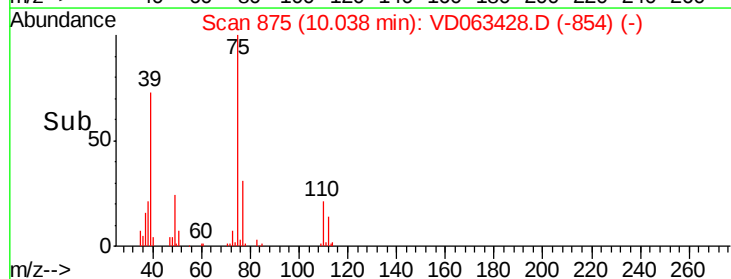
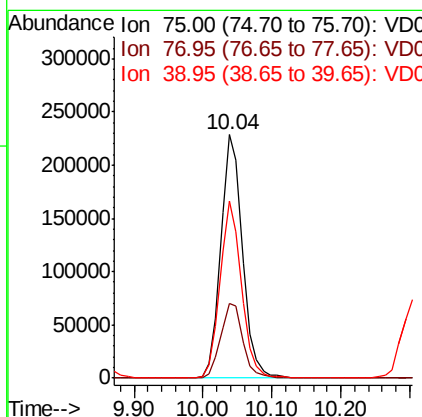
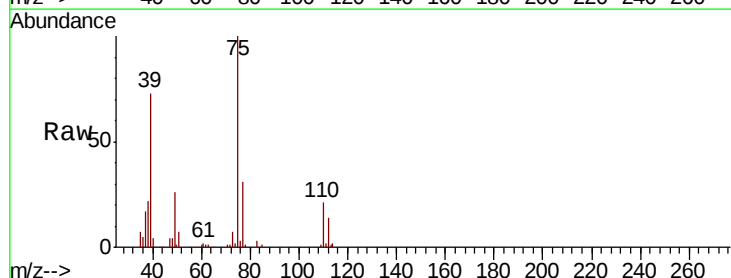
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

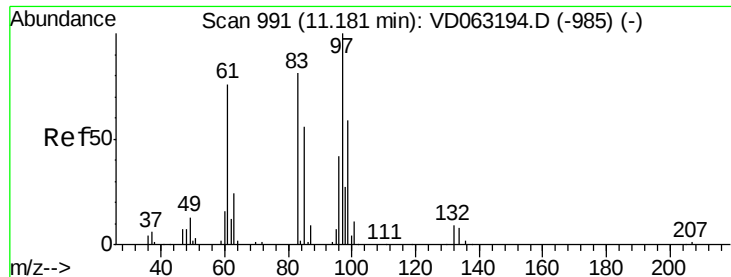
Tgt Ion: 75 Resp: 448346
Ion Ratio Lower Upper
75 100
77 33.2 26.6 40.0



#54
cis-1,3-Dichloropropene
Concen: 48.706 ug/l
RT: 10.04 min Scan# 875
Delta R.T. 0.01 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

Tgt Ion: 75 Resp: 497756
Ion Ratio Lower Upper
75 100
77 30.5 24.9 37.3
39 73.0 53.9 80.9





#55

1,1,2-Trichloroethane

Concen: 52.091 ug/l

RT: 11.19 min Scan# 992

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 244973

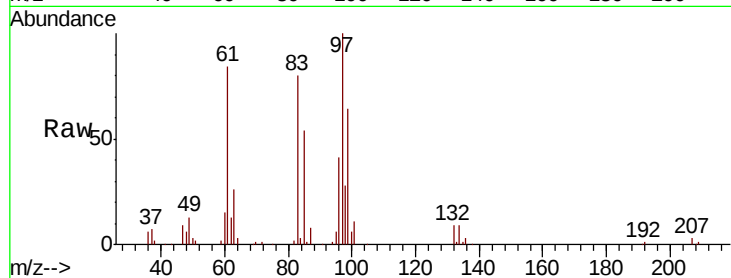
Ion Ratio Lower Upper

97 100

83 80.1 64.8 97.2

85 53.8 44.9 67.3

99 63.6 47.2 70.8

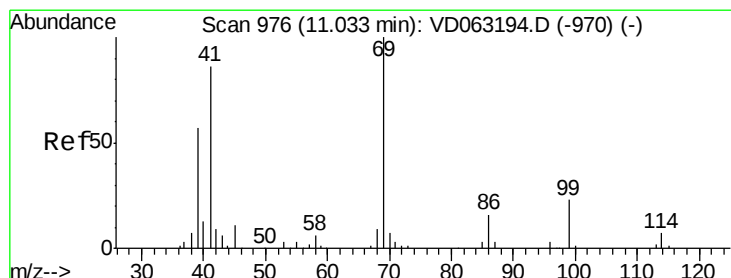
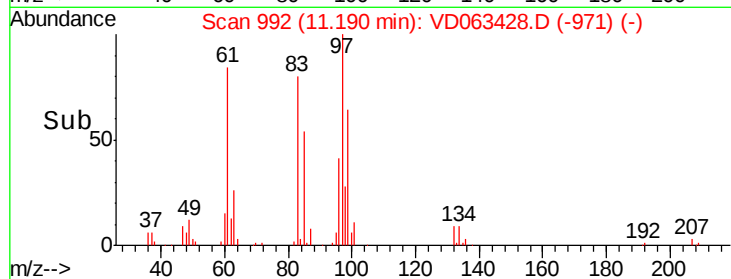
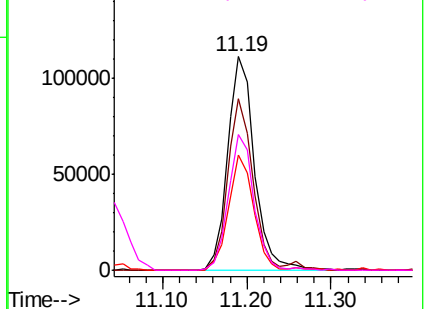


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 48.705 ug/l

RT: 11.04 min Scan# 977

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

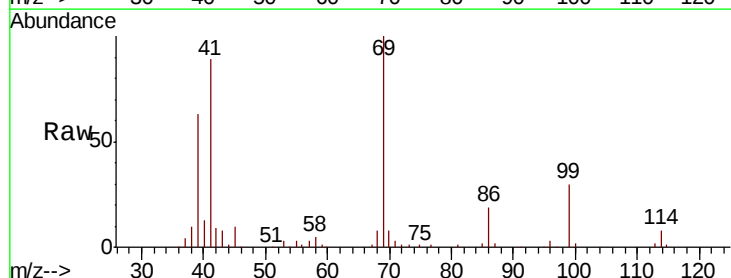
Tgt Ion: 69 Resp: 250812

Ion Ratio Lower Upper

69 100

41 89.3 68.8 103.2

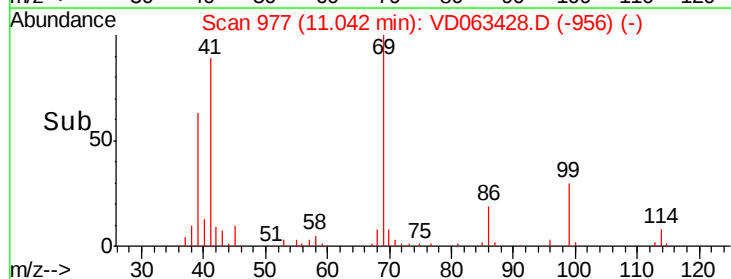
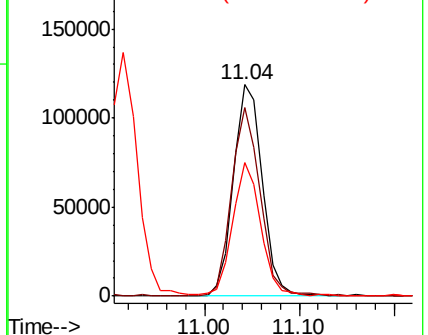
39 63.2 45.8 68.8

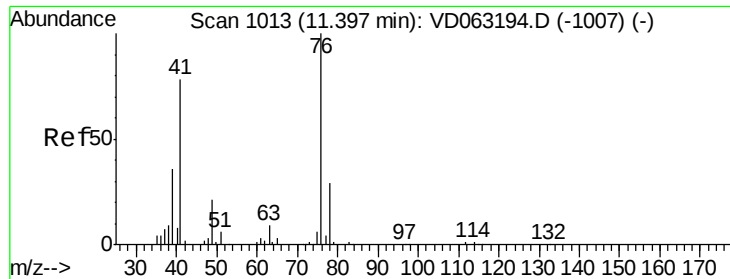


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 46.794 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

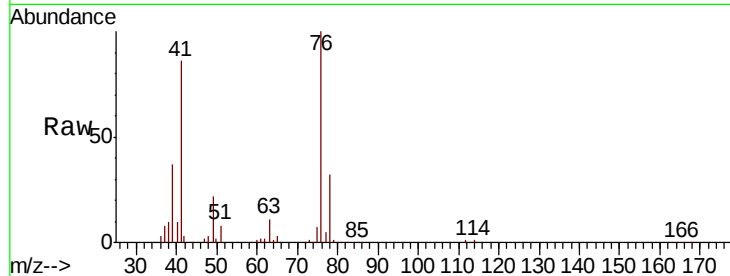
VSTDCCC050EC

Tgt Ion: 76 Resp: 346729

Ion Ratio Lower Upper

76 100

78 32.0 23.4 35.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

200000

150000

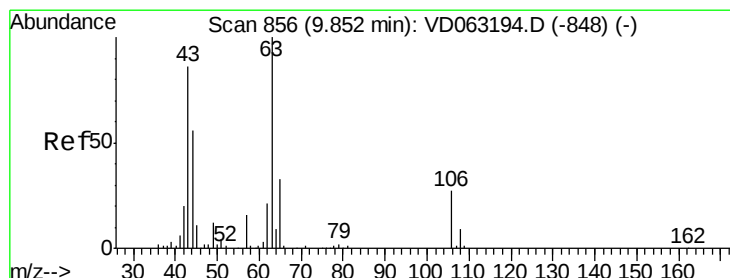
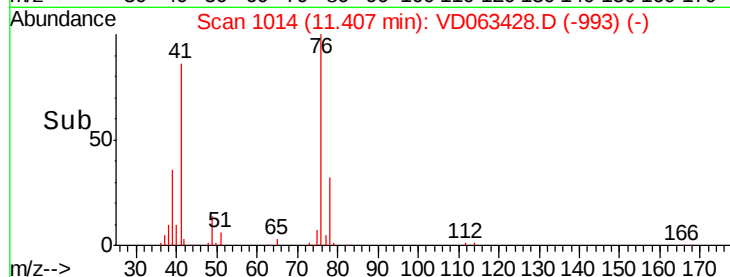
100000

50000

0

11.30 11.40 11.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 258.065 ug/l

RT: 9.86 min Scan# 857

Delta R.T. 0.01 min

Lab File: VD063428.D

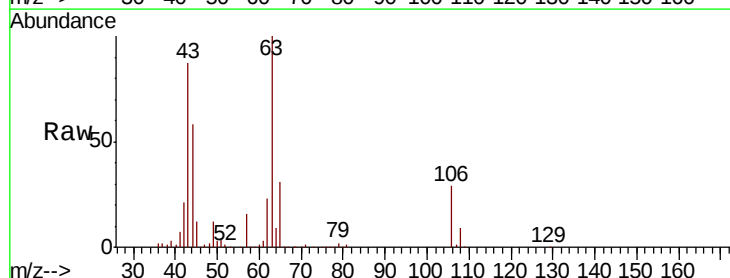
Acq: 7 Aug 2019 19:13

Tgt Ion: 63 Resp: 691505

Ion Ratio Lower Upper

63 100

106 29.3 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

300000

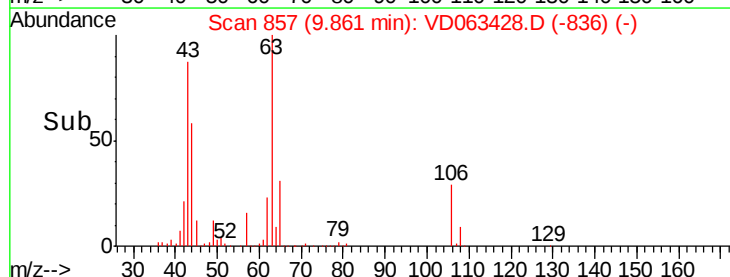
200000

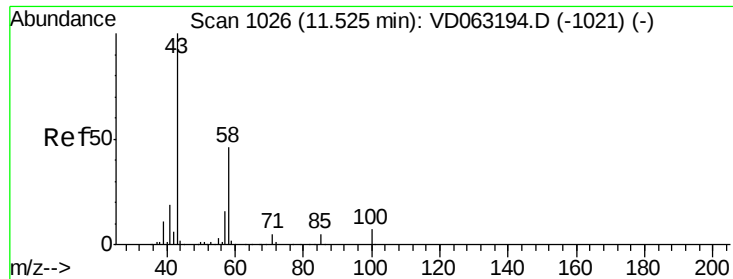
100000

0

9.80 9.90 10.00

Time-->

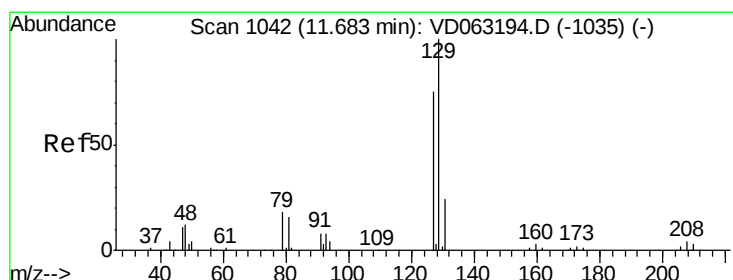
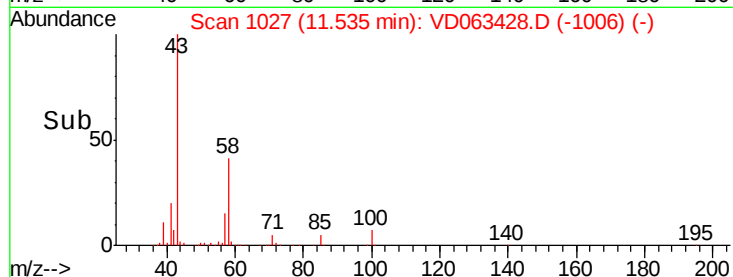
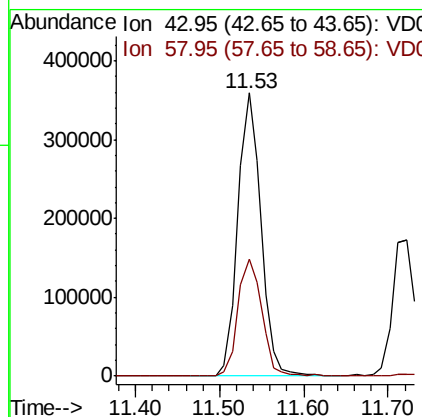
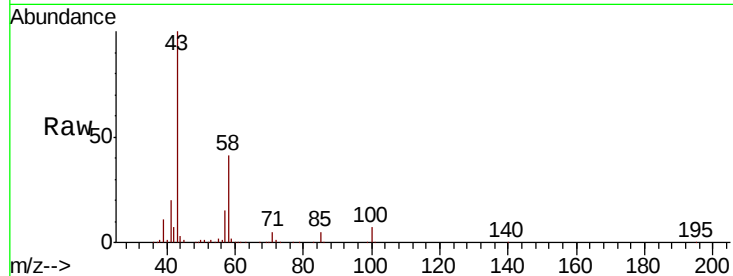




#59
2-Hexanone
Concen: 244.653 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

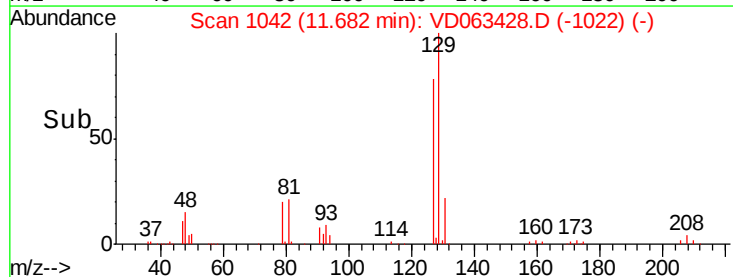
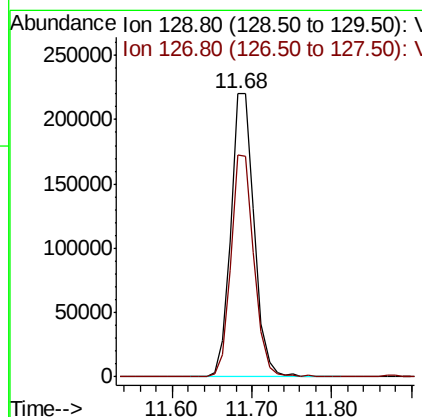
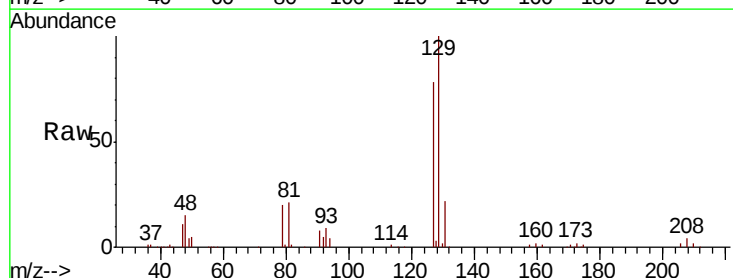
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

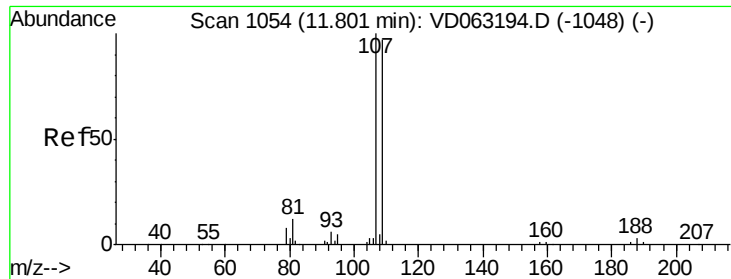
Tgt Ion: 43 Resp: 687373
Ion Ratio Lower Upper
43 100
58 41.2 22.9 68.5



#60
Dibromochloromethane
Concen: 51.200 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

Tgt Ion: 129 Resp: 454552
Ion Ratio Lower Upper
129 100
127 78.2 37.6 112.8

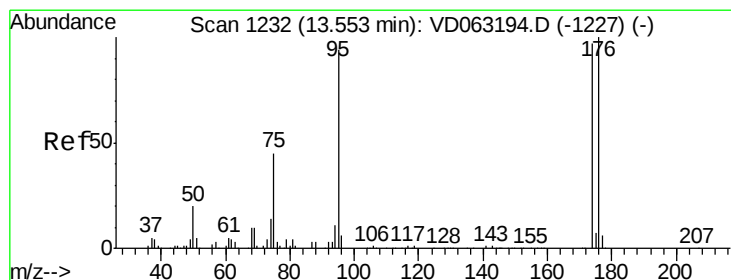
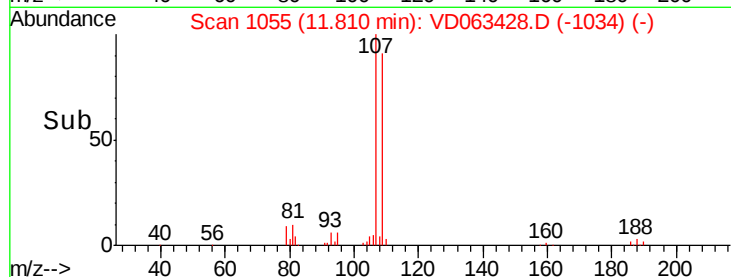
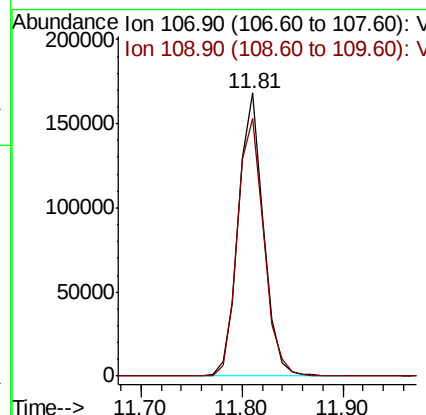
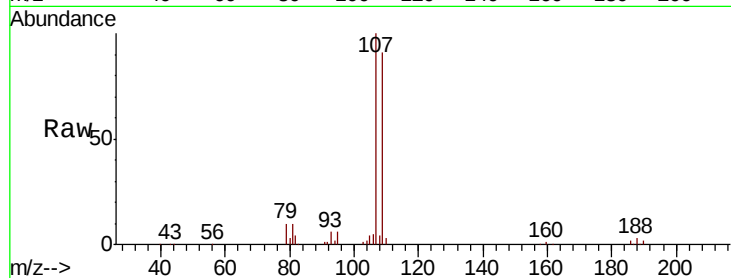




#61
 1,2-Dibromoethane
 Concen: 49.725 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VD063428.D
 Acq: 7 Aug 2019 19:13

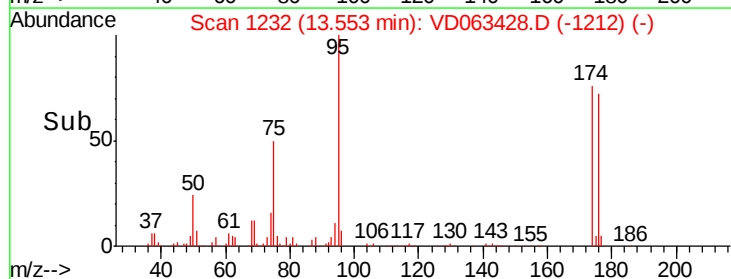
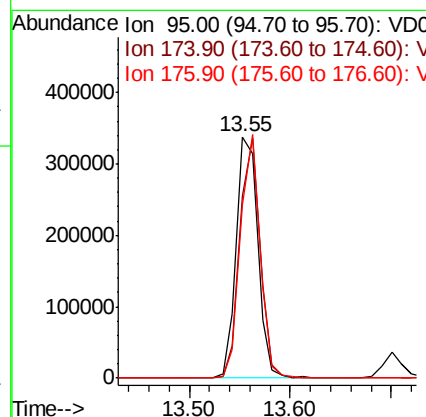
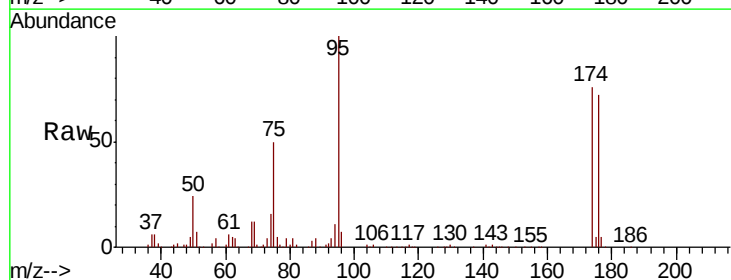
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

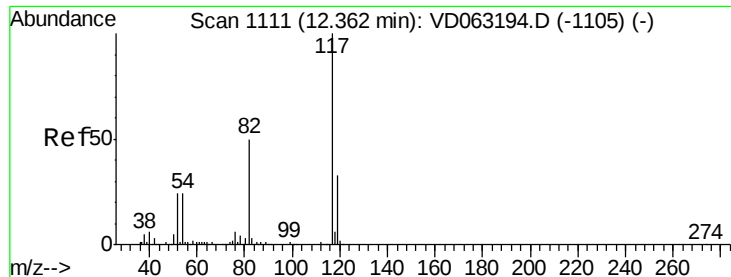
Tgt Ion: 107 Resp: 288552
 Ion Ratio Lower Upper
 107 100
 109 91.1 77.5 116.3



#62
 4-Bromofluorobenzene
 Concen: 52.734 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD063428.D
 Acq: 7 Aug 2019 19:13

Tgt Ion: 95 Resp: 502592
 Ion Ratio Lower Upper
 95 100
 174 75.6 0.0 205.4
 176 72.0 0.0 211.8

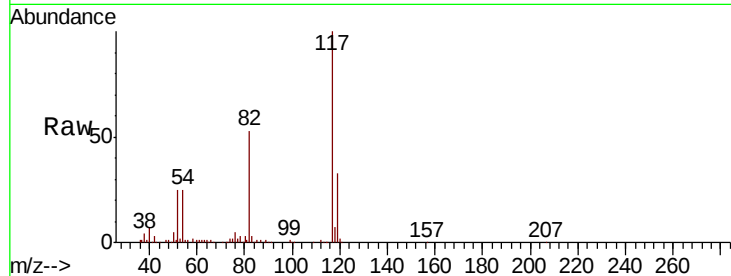




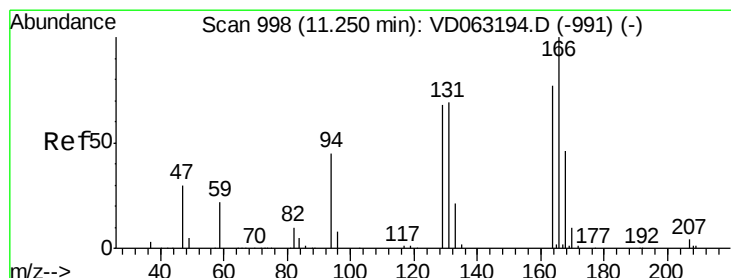
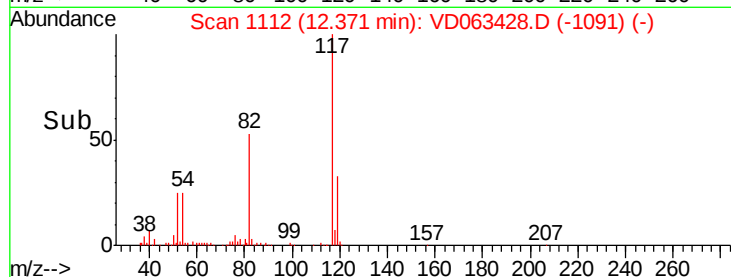
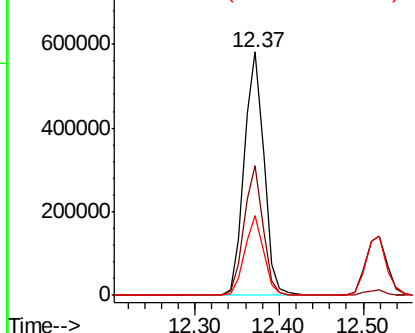
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 948905
Ion Ratio Lower Upper
117 100
82 53.2 40.1 60.1
119 33.0 26.5 39.7

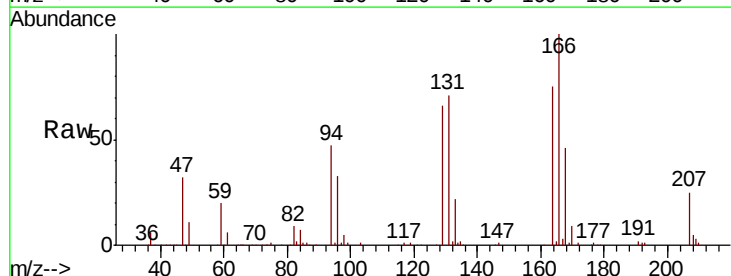


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

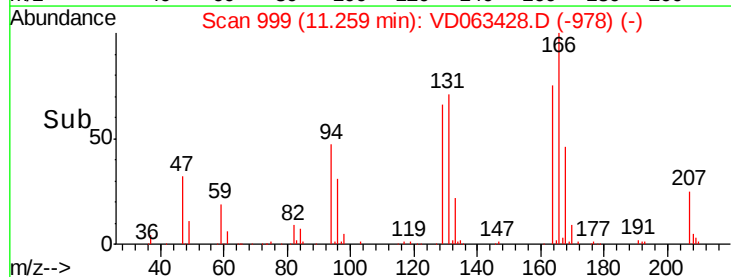
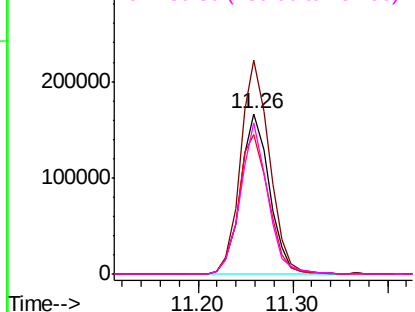


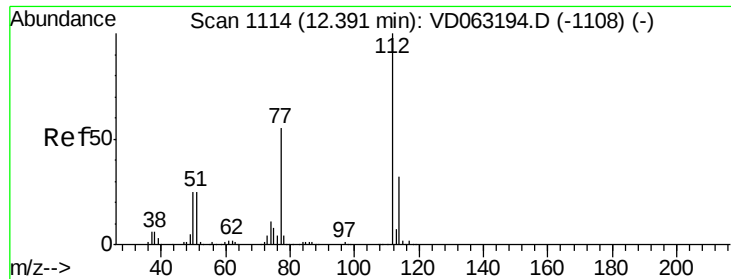
#64
Tetrachloroethene
Concen: 46.677 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.01 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

Tgt Ion:164 Resp: 352860
Ion Ratio Lower Upper
164 100
166 133.4 104.3 156.5
129 87.5 70.9 106.3
131 94.5 71.6 107.4



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

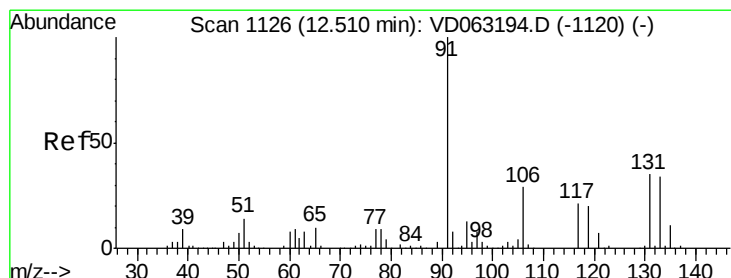
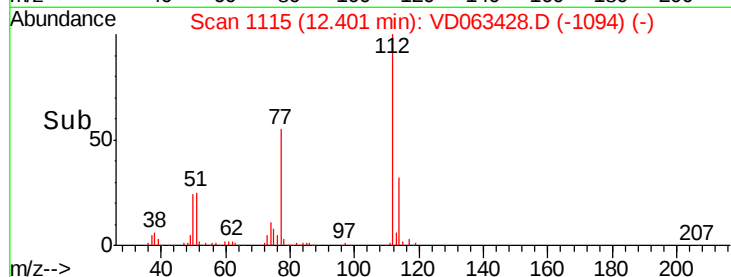
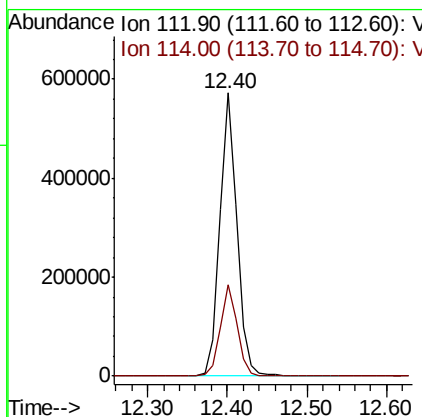
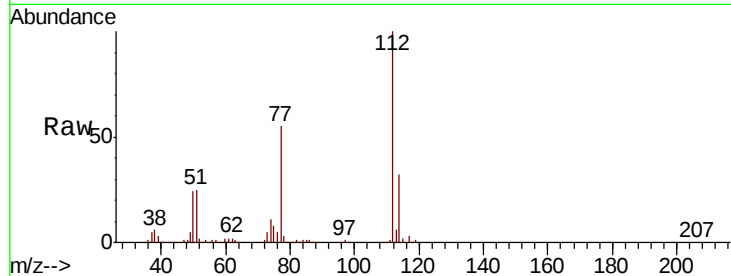




#65
Chlorobenzene
Concen: 47.659 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

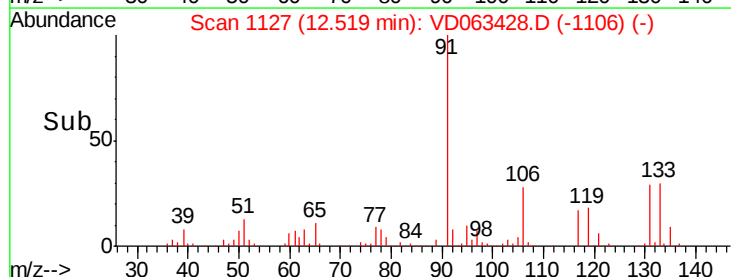
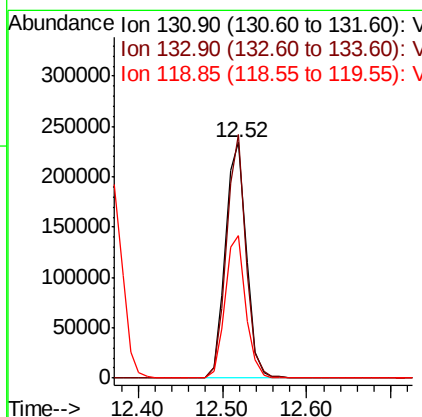
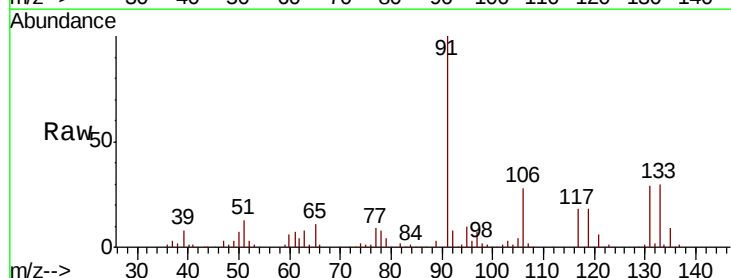
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

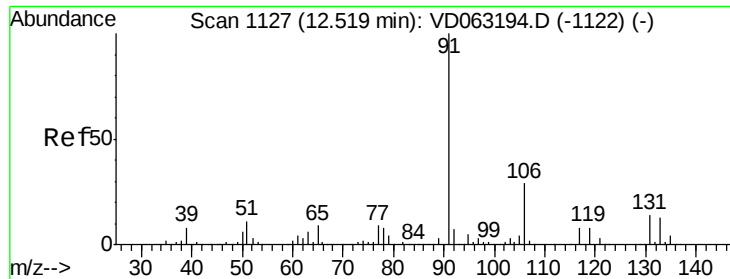
Tgt Ion:112 Resp: 869862
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 50.417 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

Tgt Ion:131 Resp: 405339
Ion Ratio Lower Upper
131 100
133 103.4 48.4 145.2
119 60.7 29.1 87.3

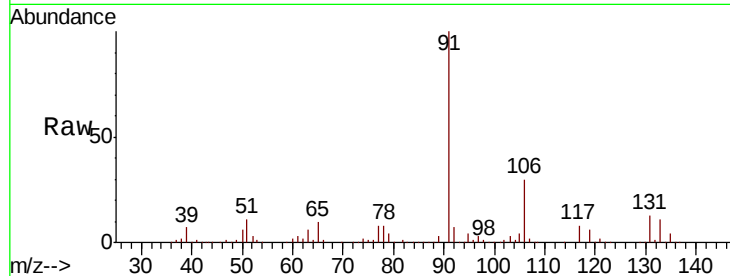




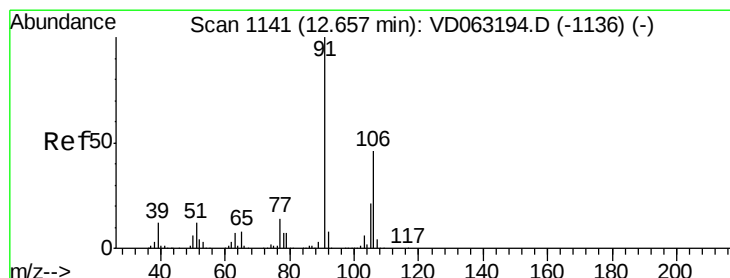
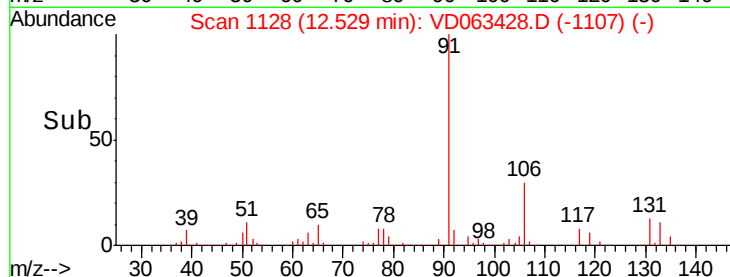
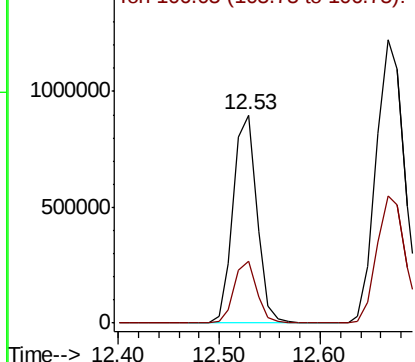
#67
Ethyl Benzene
Concen: 47.429 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 1470554
Ion Ratio Lower Upper
91 100
106 29.6 22.9 34.3

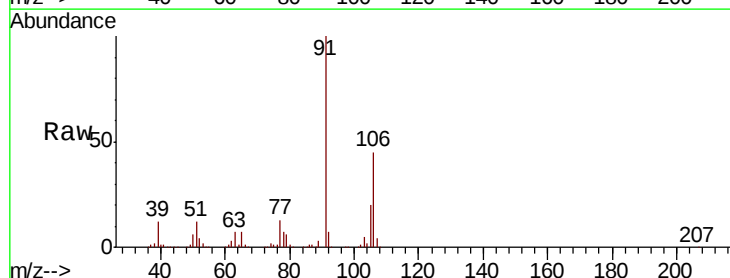


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

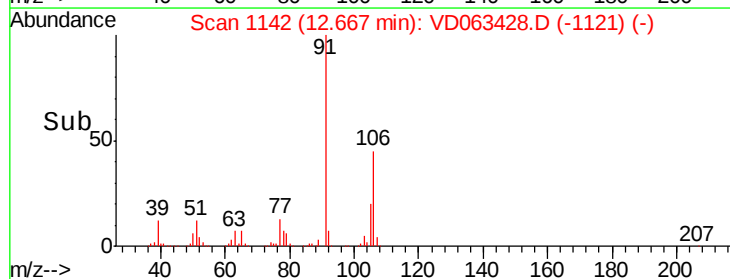
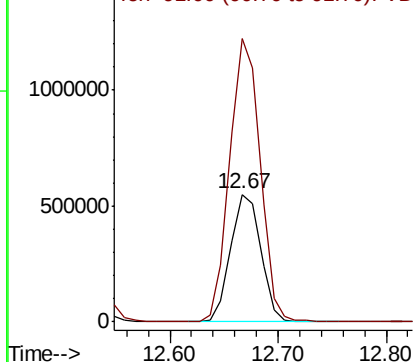


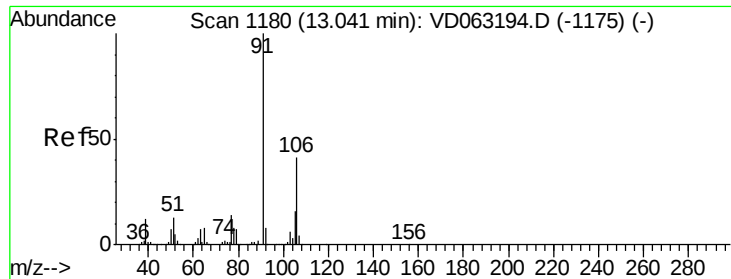
#68
m/p-Xylenes
Concen: 94.560 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

Tgt Ion: 106 Resp: 1075209
Ion Ratio Lower Upper
106 100
91 221.5 172.6 259.0



Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

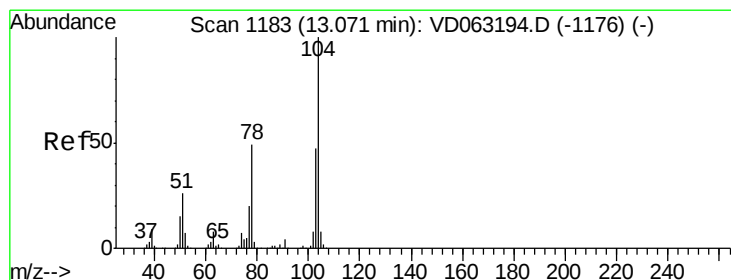
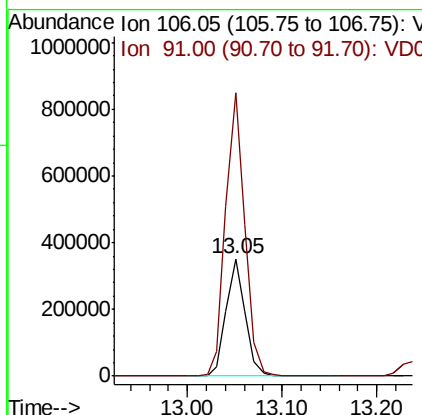
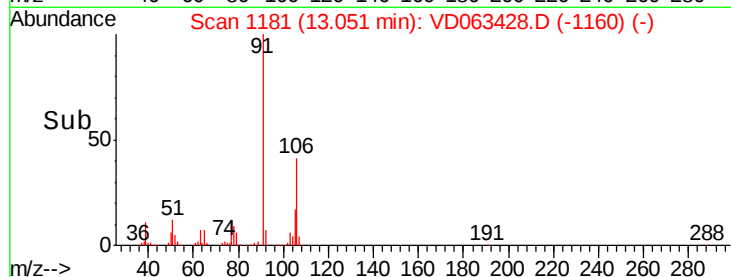
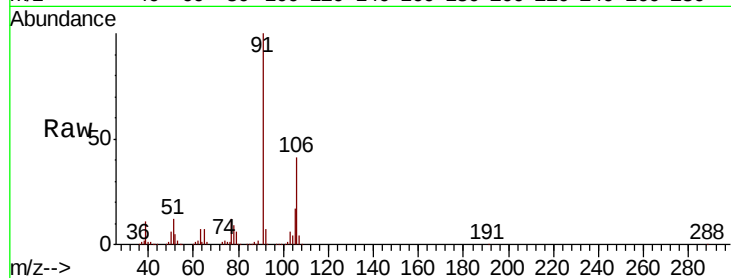




#69
o-Xylene
Concen: 46.928 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

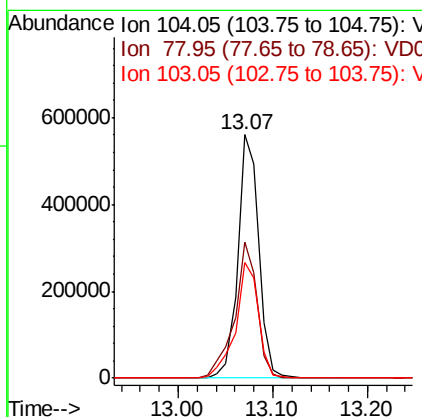
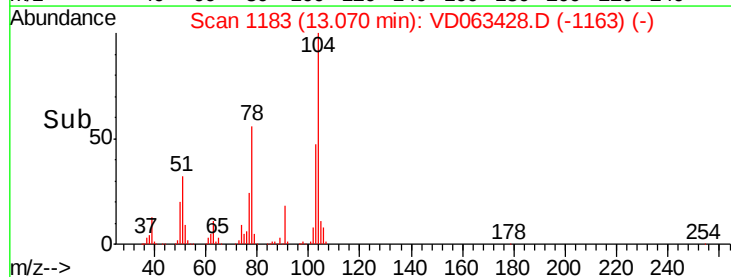
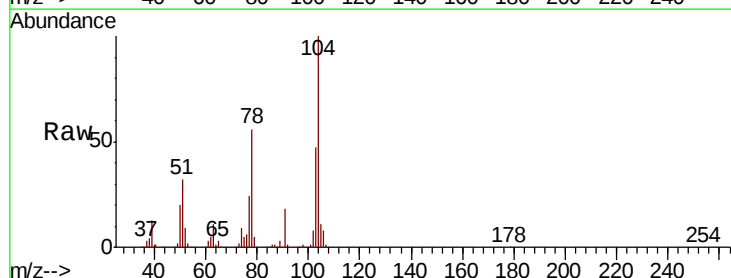
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

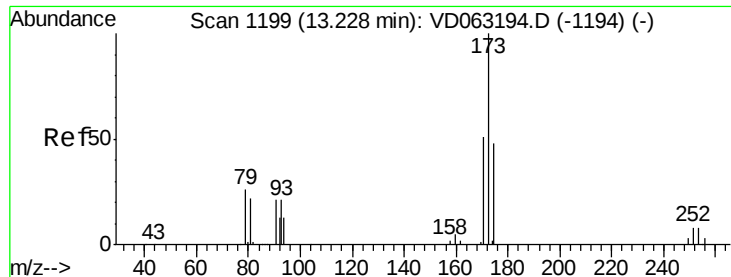
Tgt Ion:106 Resp: 490007
Ion Ratio Lower Upper
106 100
91 241.9 121.3 363.9



#70
Styrene
Concen: 46.066 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

Tgt Ion:104 Resp: 853031
Ion Ratio Lower Upper
104 100
78 56.0 39.4 59.0
103 47.3 37.4 56.2





#71

Bromoform

Concen: 46.034 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

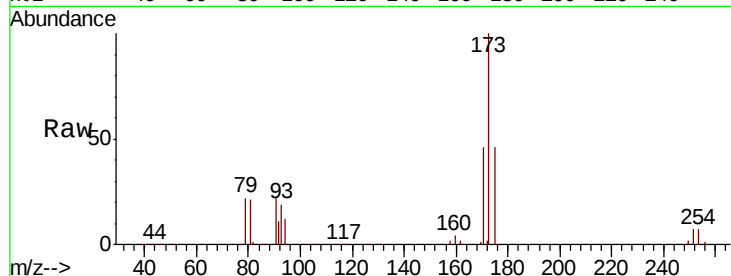
Tgt Ion:173 Resp: 269144

Ion Ratio Lower Upper

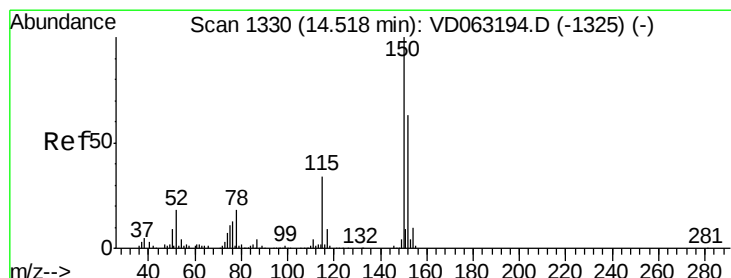
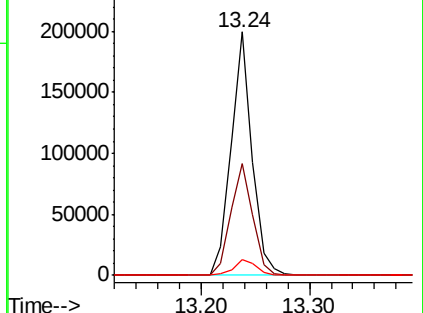
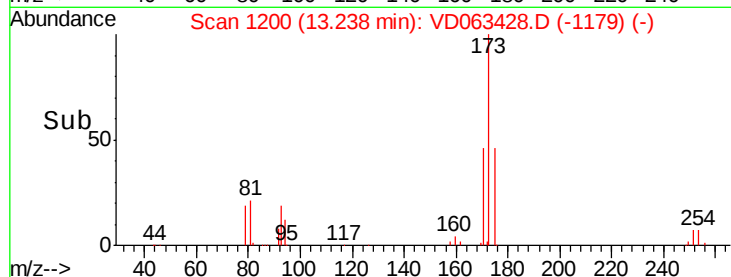
173 100

175 46.1 23.8 71.5

254 6.7 6.6 10.0



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

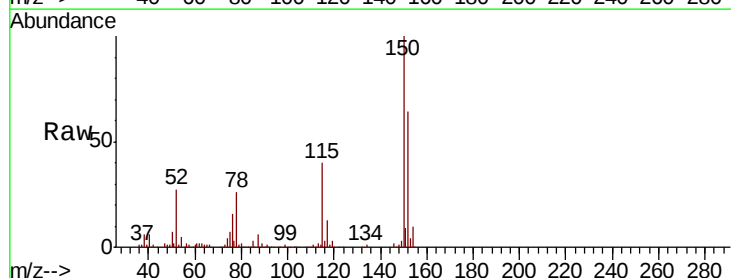
Tgt Ion:152 Resp: 559282

Ion Ratio Lower Upper

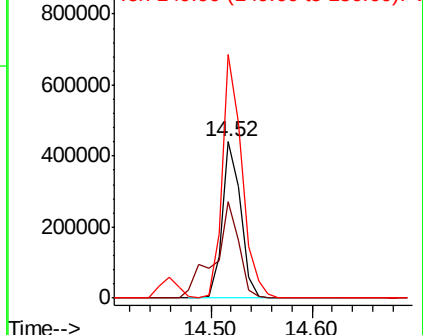
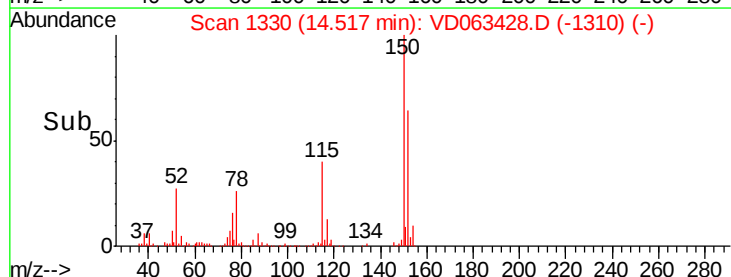
152 100

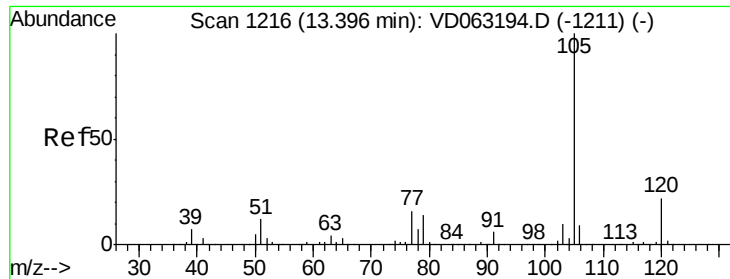
115 61.6 27.5 82.4

150 155.5 0.0 320.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.230 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

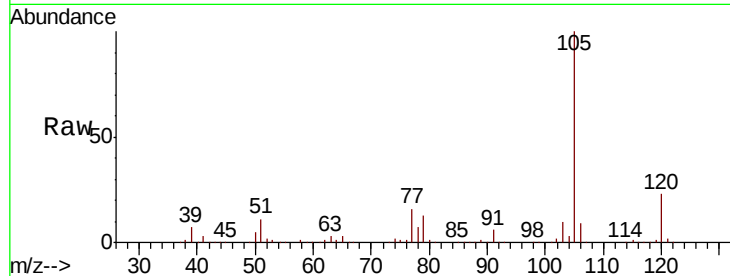
VSTDCCC050EC

Tgt Ion:105 Resp: 1657891

Ion Ratio Lower Upper

105 100

120 23.3 11.1 33.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.40

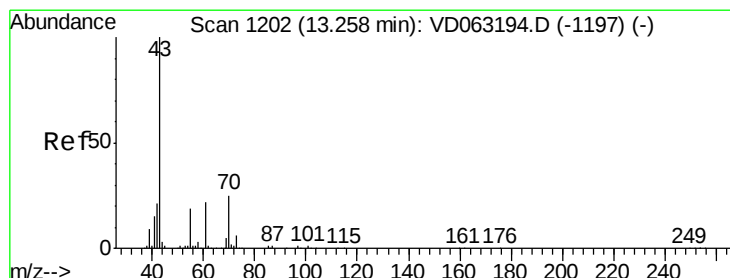
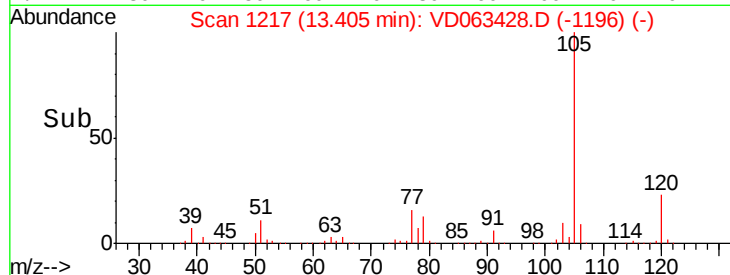
1000000

500000

0

Time-->

13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 42.261 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Tgt Ion: 43 Resp: 392162

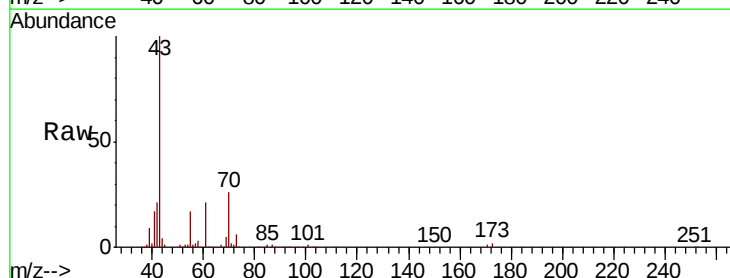
Ion Ratio Lower Upper

43 100

70 26.2 20.2 30.4

55 17.3 14.9 22.3

61 20.6 17.9 26.9



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

13.27

500000

400000

300000

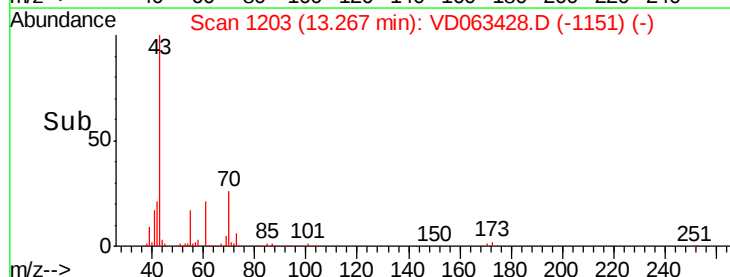
200000

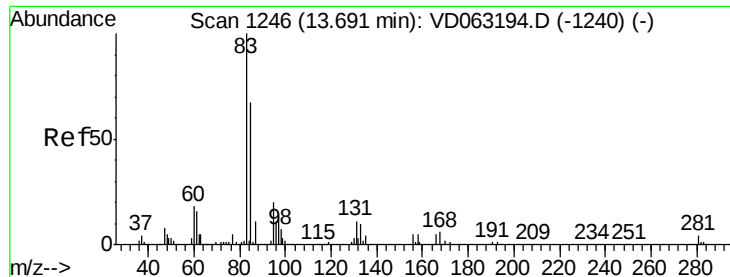
100000

0

Time-->

13.20 13.30 13.40





#75

1,1,2,2-Tetrachloroethane

Concen: 43.337 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

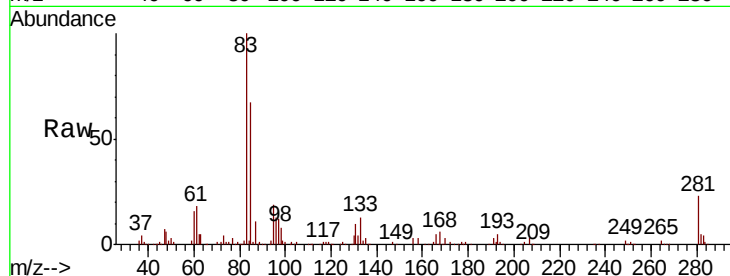
Tgt Ion: 83 Resp: 258400

Ion Ratio Lower Upper

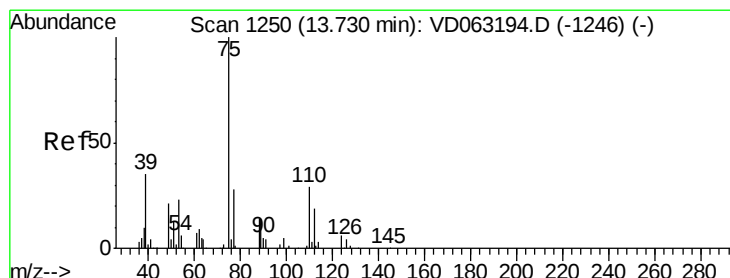
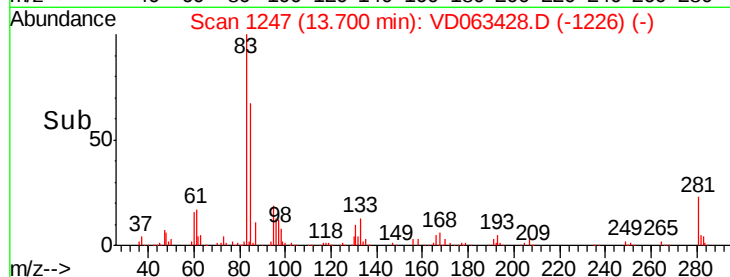
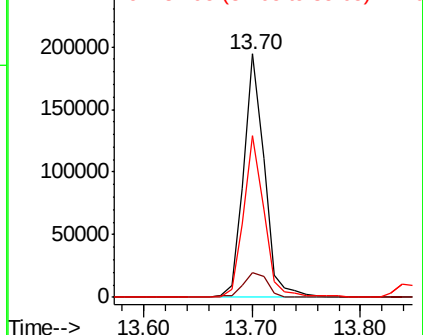
83 100

131 10.4 5.5 16.7

85 66.6 33.7 101.1



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 43.150 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD063428.D

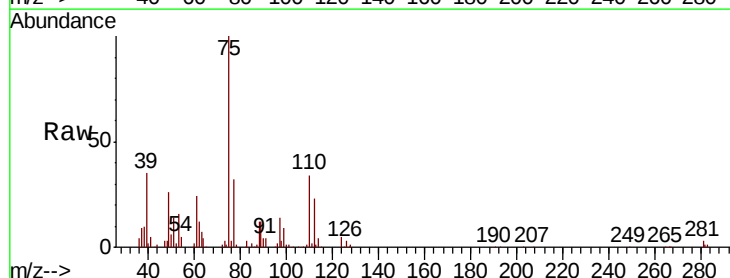
Acq: 7 Aug 2019 19:13

Tgt Ion: 75 Resp: 289866

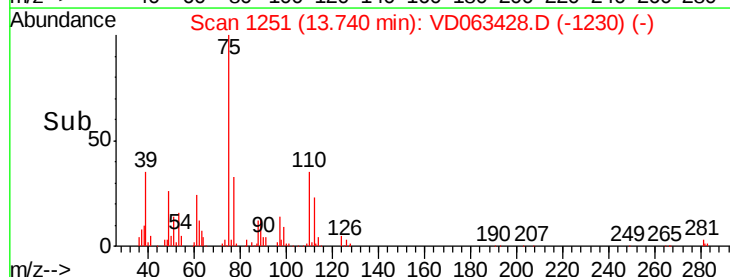
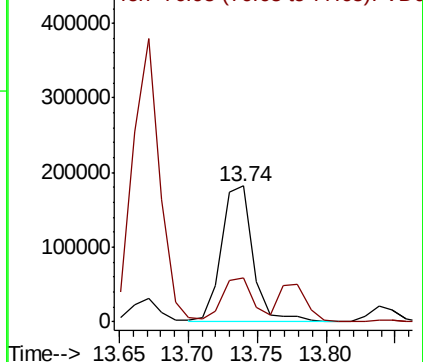
Ion Ratio Lower Upper

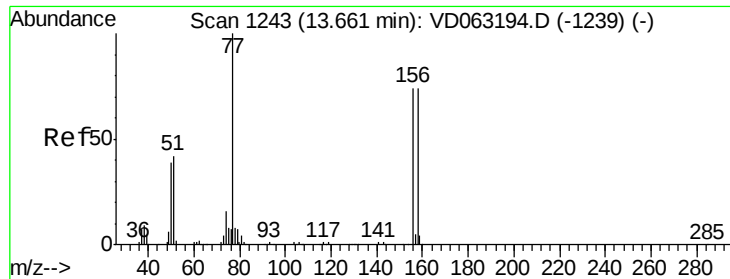
75 100

77 32.3 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 43.401 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

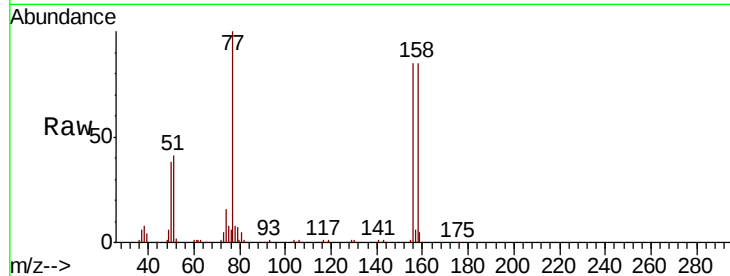
Tgt Ion:156 Resp: 433989

Ion Ratio Lower Upper

156 100

77 118.3 67.6 202.8

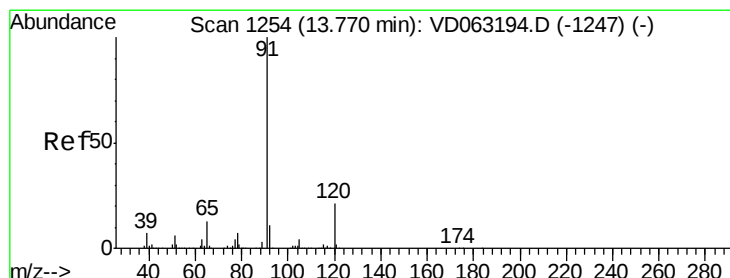
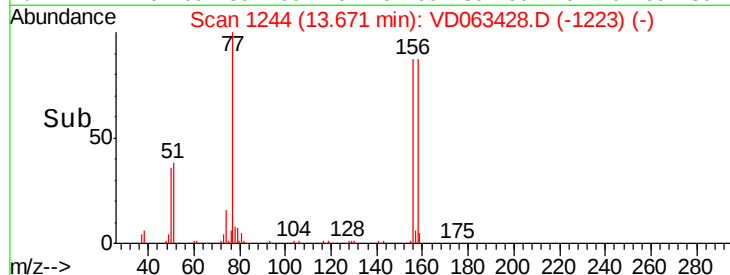
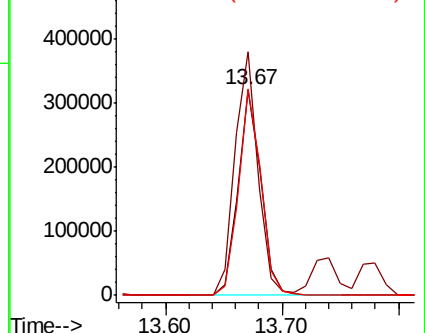
158 100.4 49.8 149.4



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 42.519 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD063428.D

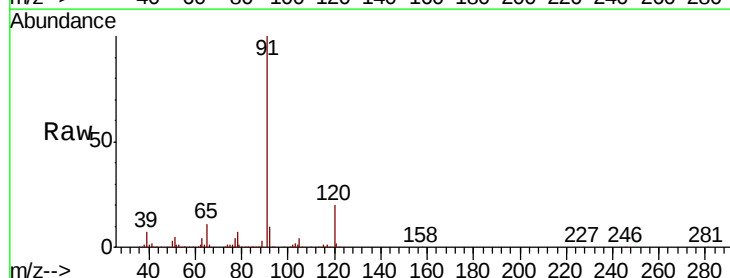
Acq: 7 Aug 2019 19:13

Tgt Ion: 91 Resp: 1776112

Ion Ratio Lower Upper

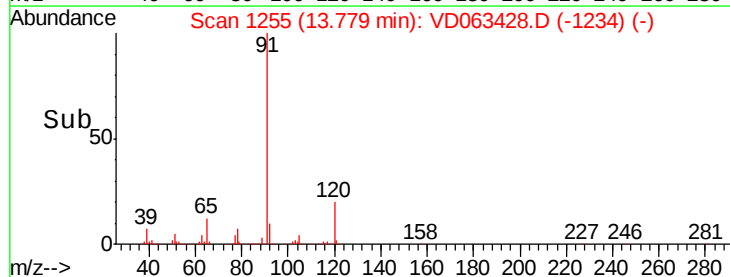
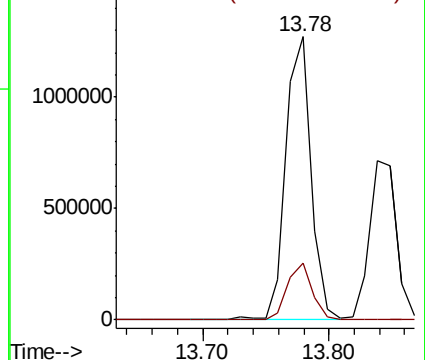
91 100

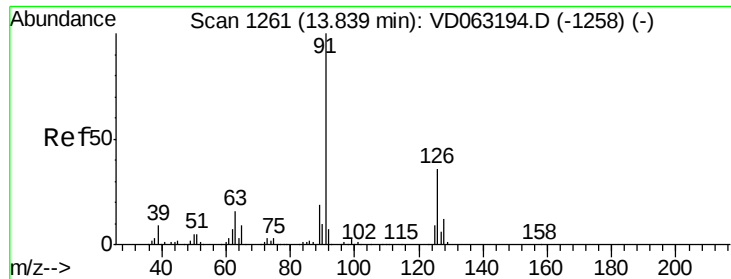
120 20.1 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 43.852 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

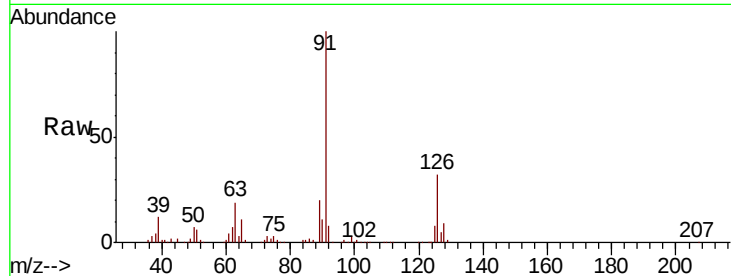
VSTDCCC050EC

Tgt Ion: 91 Resp: 1061408

Ion Ratio Lower Upper

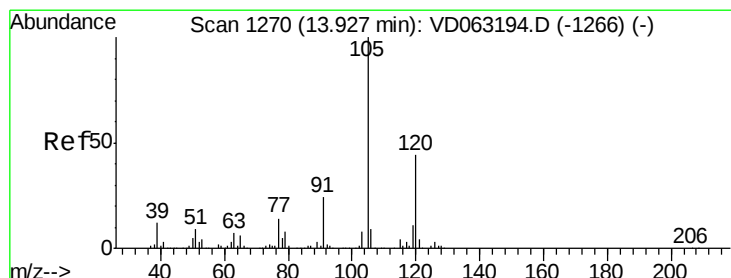
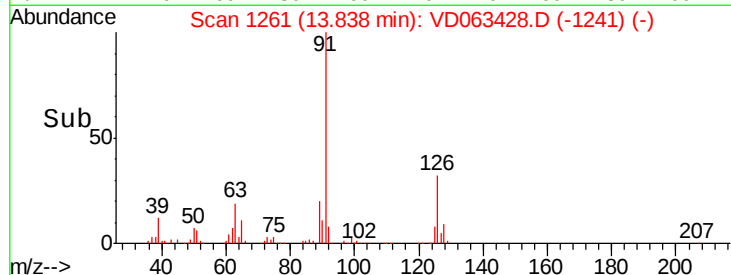
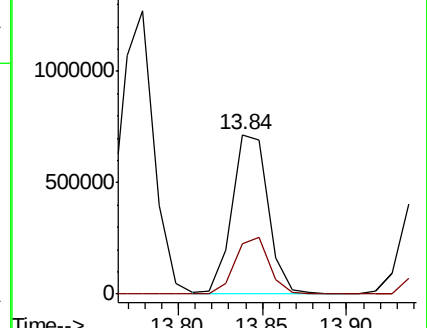
91 100

126 32.0 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 45.341 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD063428.D

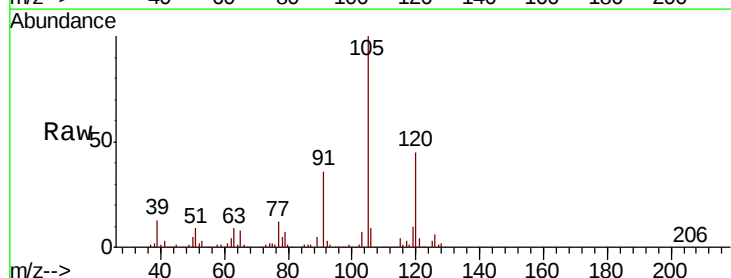
Acq: 7 Aug 2019 19:13

Tgt Ion: 105 Resp: 1372727

Ion Ratio Lower Upper

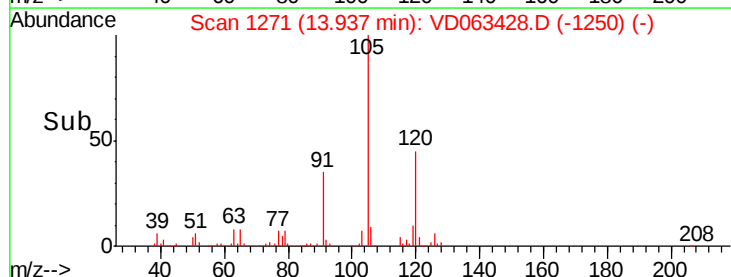
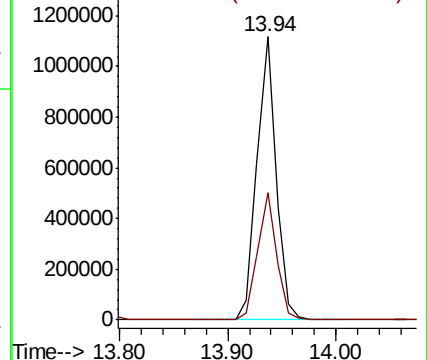
105 100

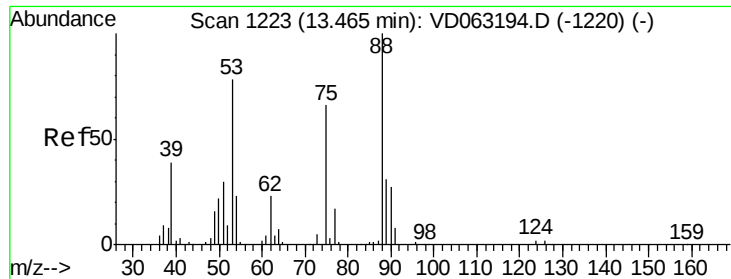
120 45.1 22.1 66.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 41.795 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

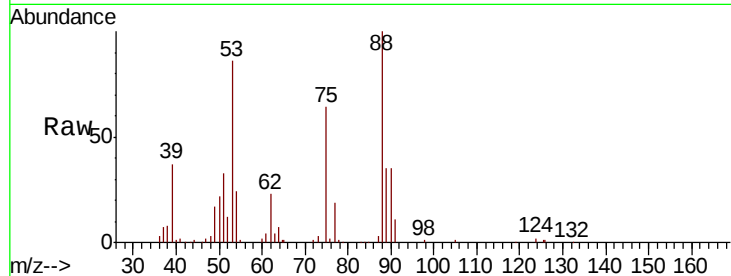
Tgt Ion: 75 Resp: 77963

Ion Ratio Lower Upper

75 100

53 135.8 94.9 142.3

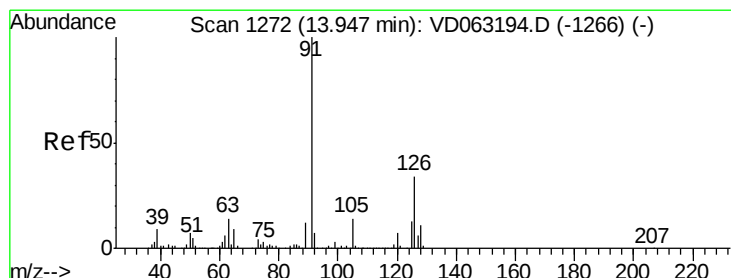
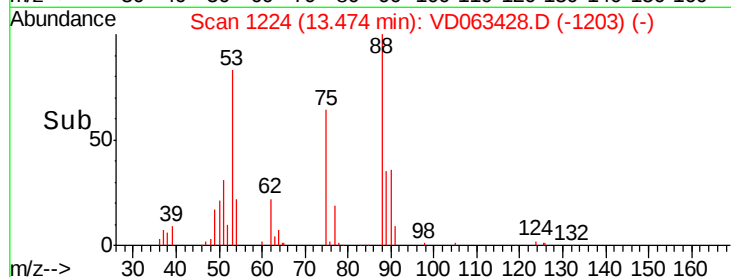
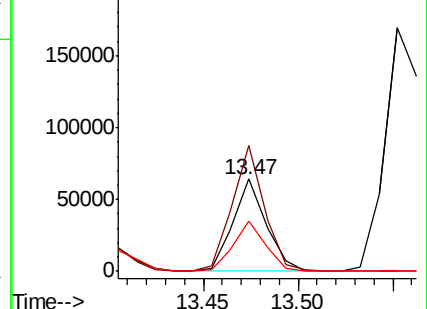
89 54.4 37.4 56.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 45.921 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD063428.D

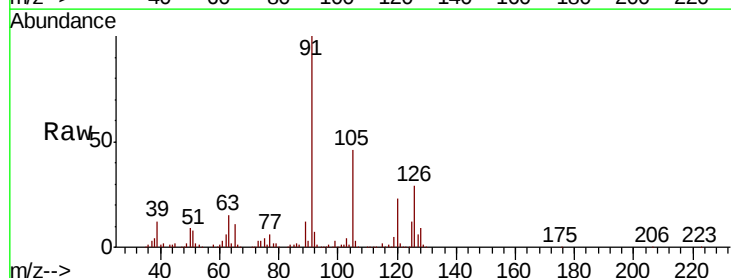
Acq: 7 Aug 2019 19:13

Tgt Ion: 91 Resp: 1308087

Ion Ratio Lower Upper

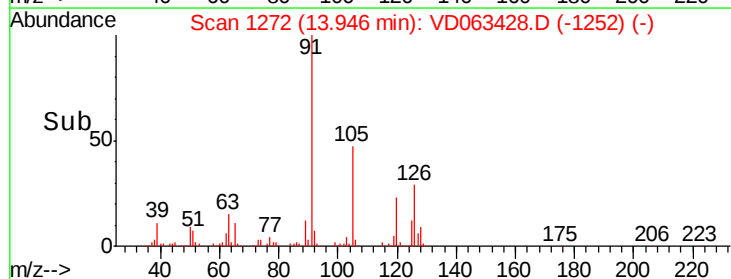
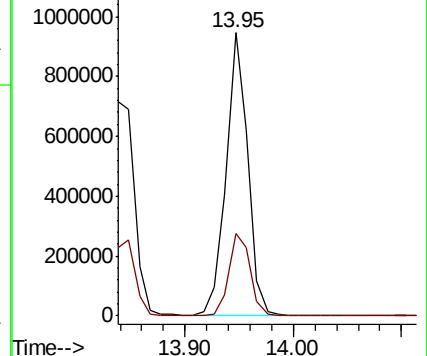
91 100

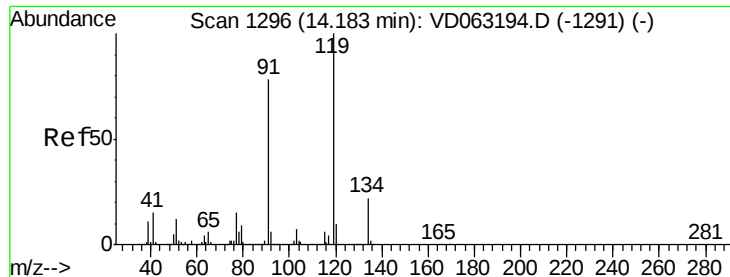
126 29.1 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

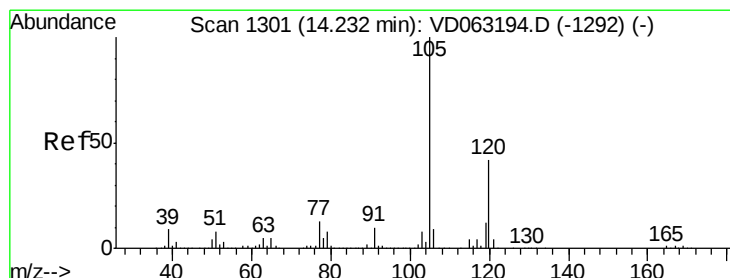
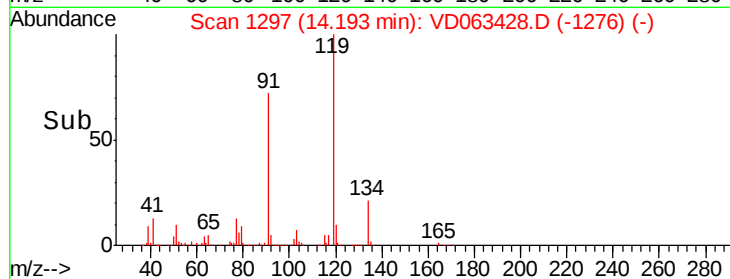
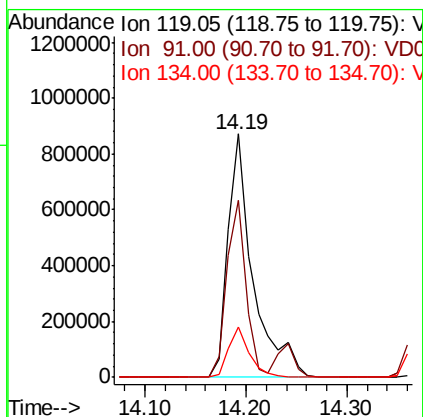
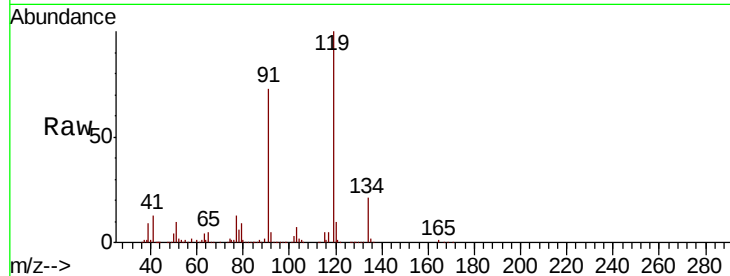




#83
 tert-Butylbenzene
 Concen: 43.613 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.01 min
 Lab File: VD063428.D
 Acq: 7 Aug 2019 19:13

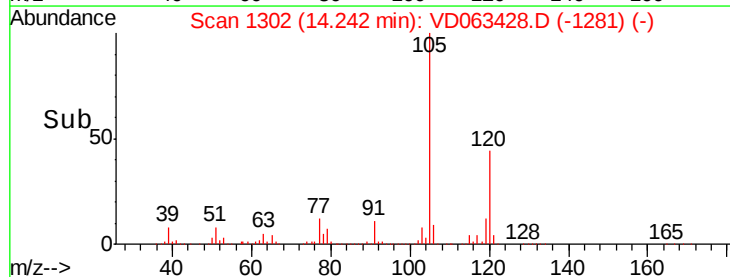
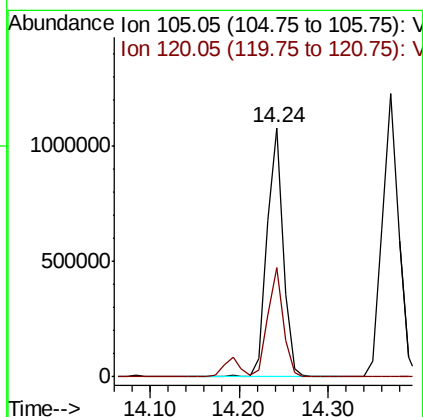
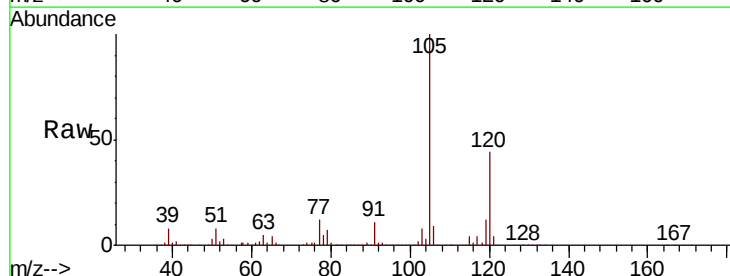
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

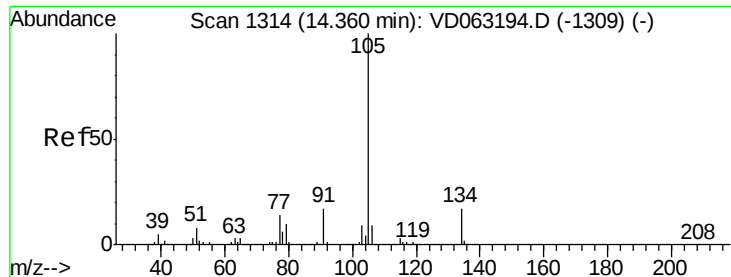
Tgt Ion:119 Resp: 1507665
 Ion Ratio Lower Upper
 119 100
 91 72.8 39.1 117.5
 134 20.8 10.9 32.6



#84
 1,2,4-Trimethylbenzene
 Concen: 42.729 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD063428.D
 Acq: 7 Aug 2019 19:13

Tgt Ion:105 Resp: 1338073
 Ion Ratio Lower Upper
 105 100
 120 43.7 20.9 62.7

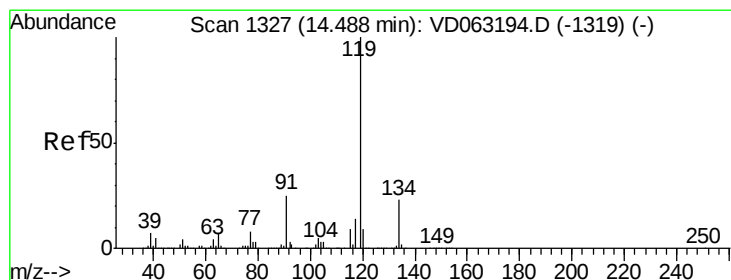
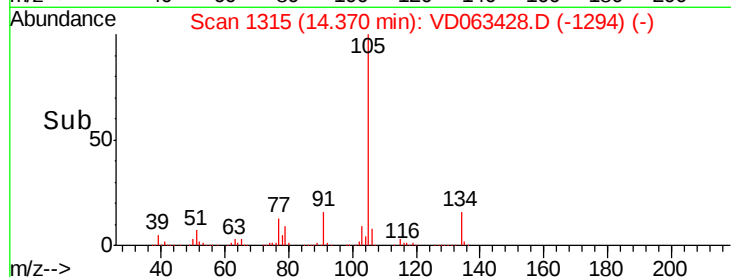
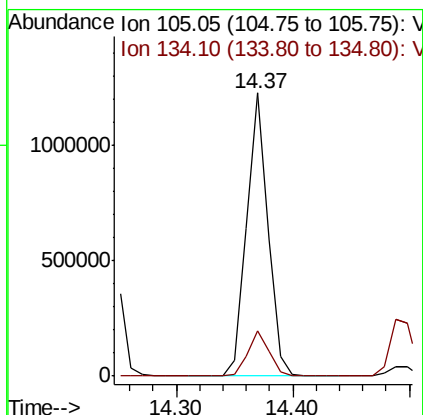
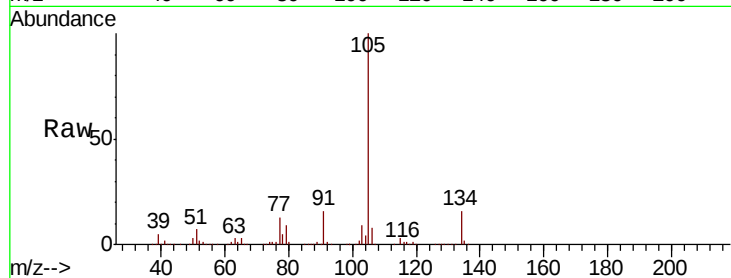




#85
 sec-Butylbenzene
 Concen: 42.529 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.01 min
 Lab File: VD063428.D
 Acq: 7 Aug 2019 19:13

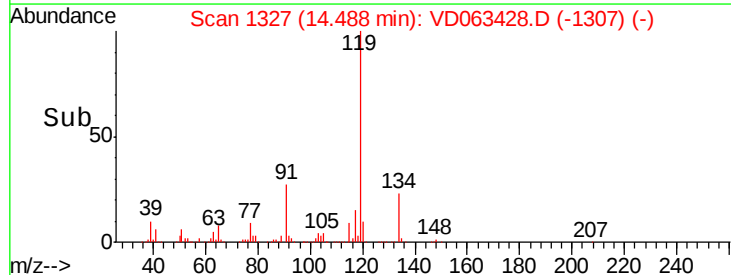
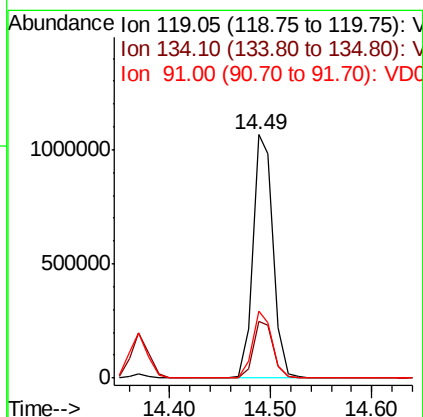
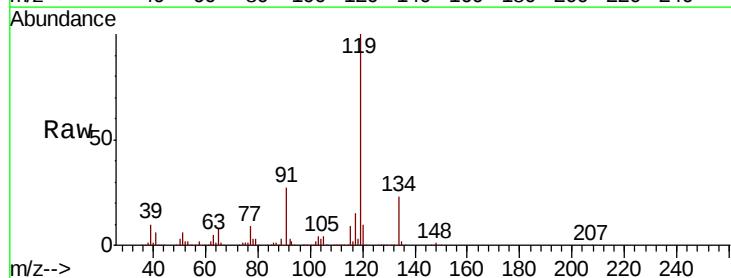
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

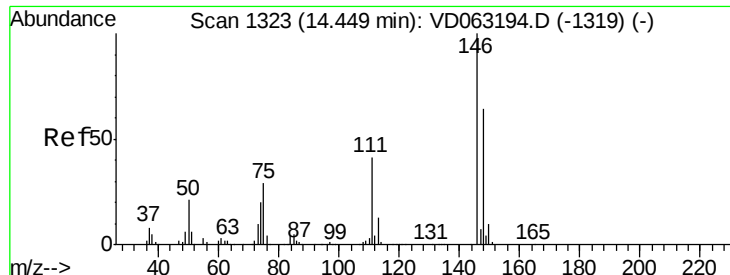
Tgt Ion:105 Resp: 1548968
 Ion Ratio Lower Upper
 105 100
 134 16.2 8.3 24.9



#86
 p-Isopropyltoluene
 Concen: 43.014 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD063428.D
 Acq: 7 Aug 2019 19:13

Tgt Ion:119 Resp: 1495259
 Ion Ratio Lower Upper
 119 100
 134 23.2 11.5 34.5
 91 27.3 12.6 37.6

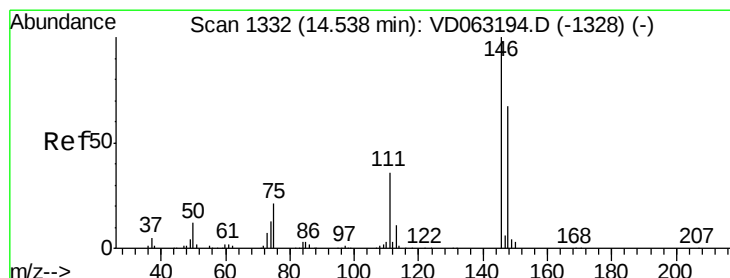
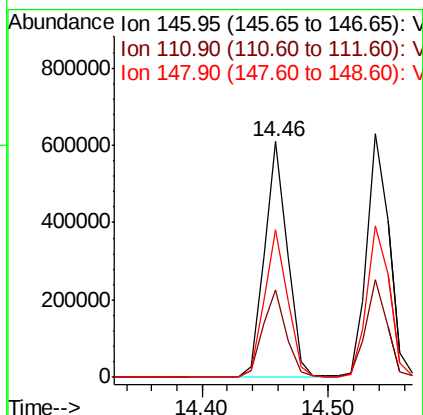
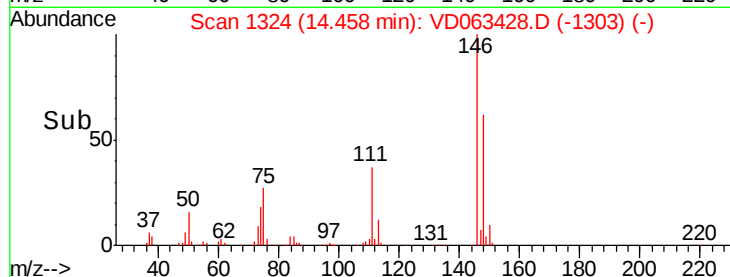
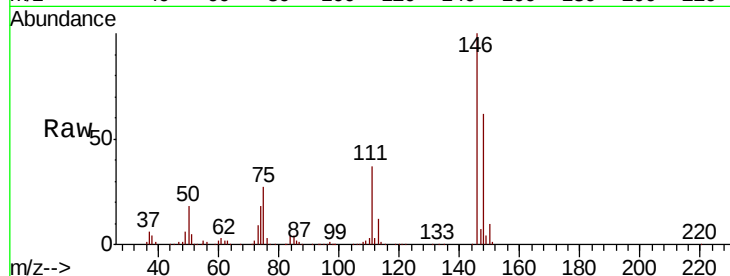




#87
 1,3-Dichlorobenzene
 Concen: 43.763 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD063428.D
 Acq: 7 Aug 2019 19:13

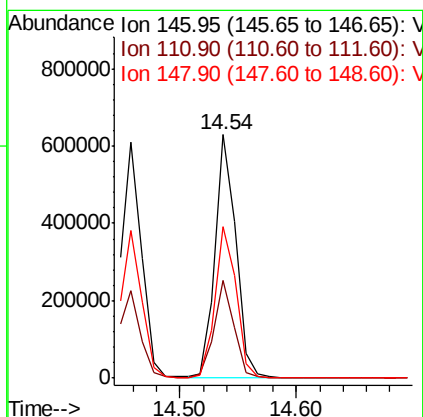
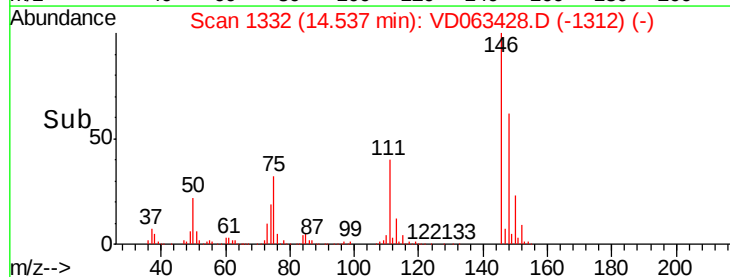
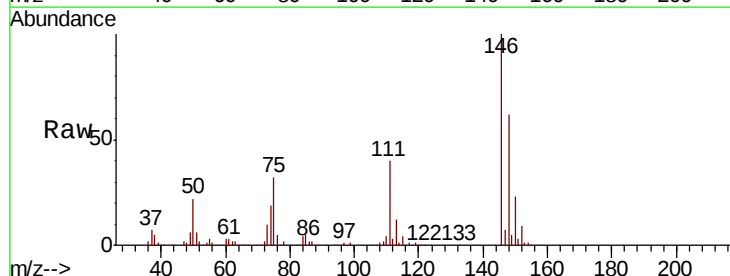
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

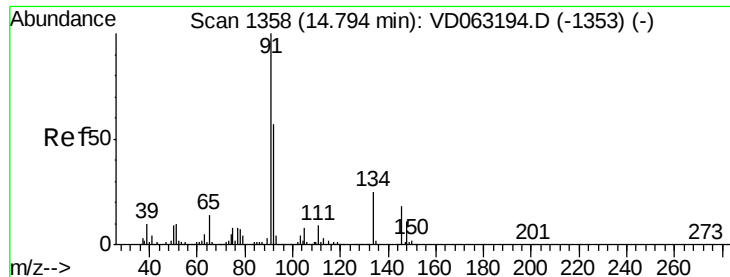
Tgt Ion:146 Resp: 774978
 Ion Ratio Lower Upper
 146 100
 111 37.3 20.4 61.3
 148 62.3 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 43.449 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD063428.D
 Acq: 7 Aug 2019 19:13

Tgt Ion:146 Resp: 778037
 Ion Ratio Lower Upper
 146 100
 111 40.1 18.1 54.3
 148 62.0 33.4 100.1





#89

n-Butylbenzene

Concen: 46.442 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD063428.D

Acq: 7 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

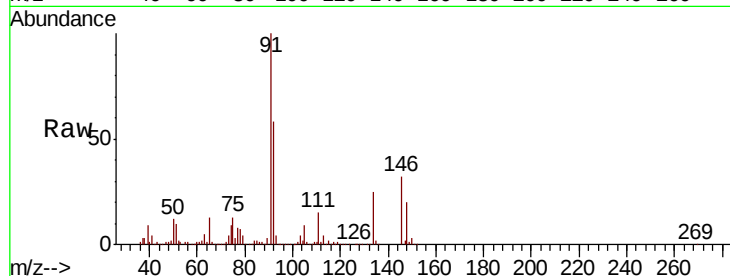
Tgt Ion: 91 Resp: 1394352

Ion Ratio Lower Upper

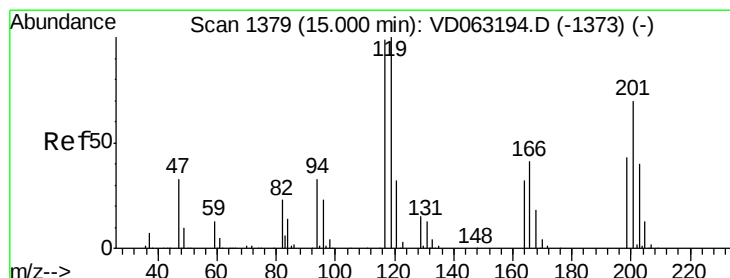
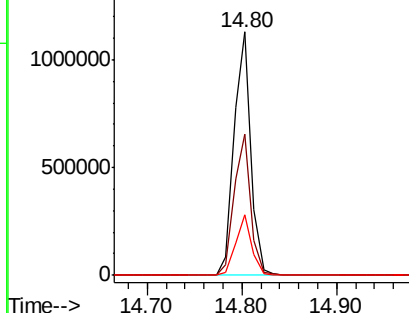
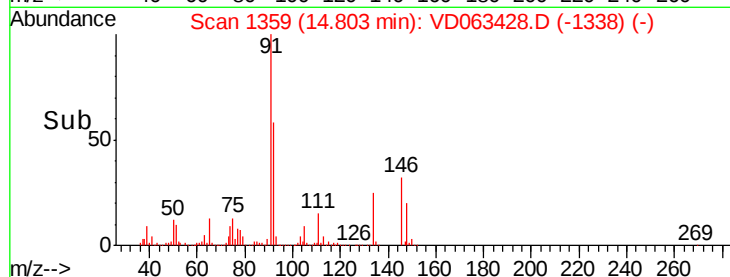
91 100

92 58.1 28.3 85.0

134 24.6 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 43.305 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.01 min

Lab File: VD063428.D

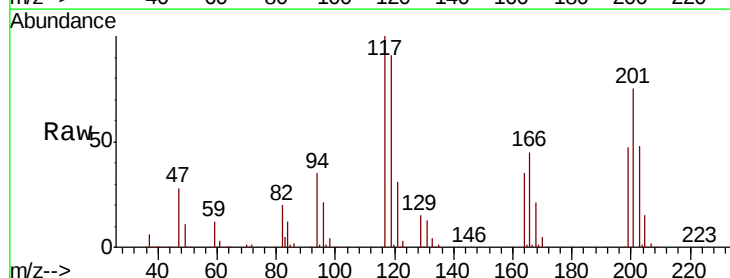
Acq: 7 Aug 2019 19:13

Tgt Ion: 117 Resp: 392204

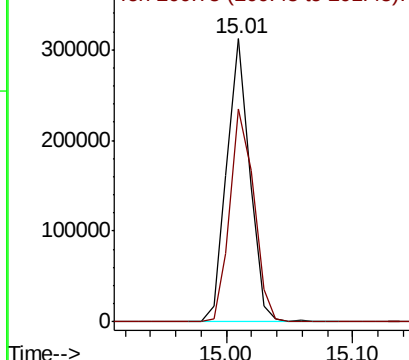
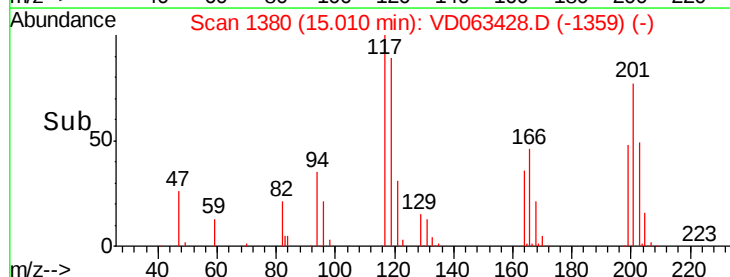
Ion Ratio Lower Upper

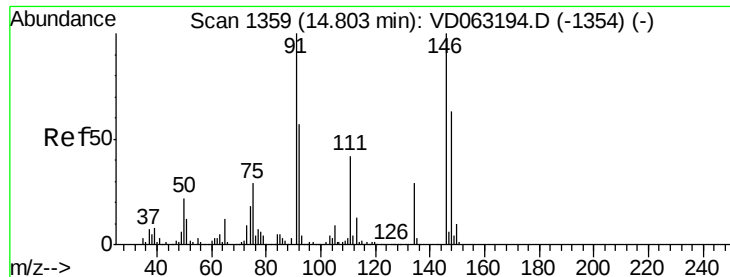
117 100

201 75.3 35.2 105.6



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

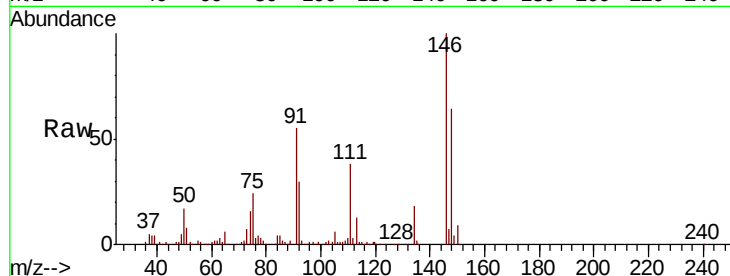




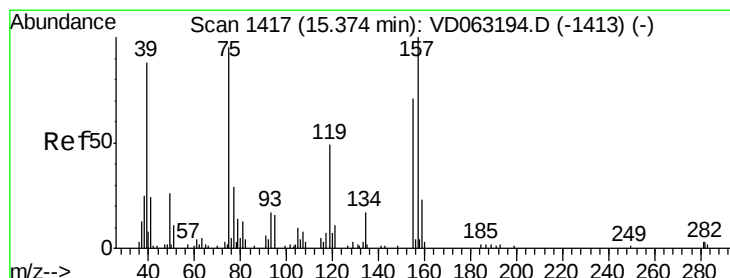
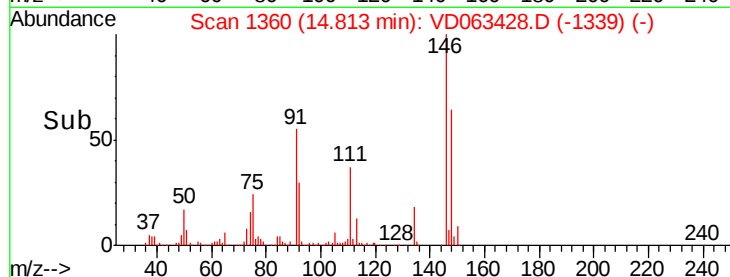
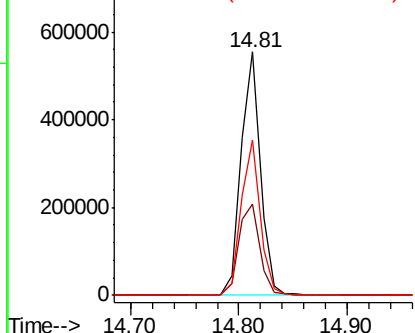
#91
 1,2-Dichlorobenzene
 Concen: 44.814 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD063428.D
 Acq: 7 Aug 2019 19:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 146 Resp: 691441
 Ion Ratio Lower Upper
 146 100
 111 37.6 21.1 63.3
 148 63.9 31.6 94.8

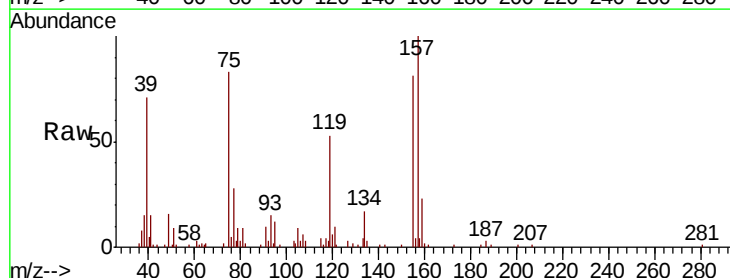


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

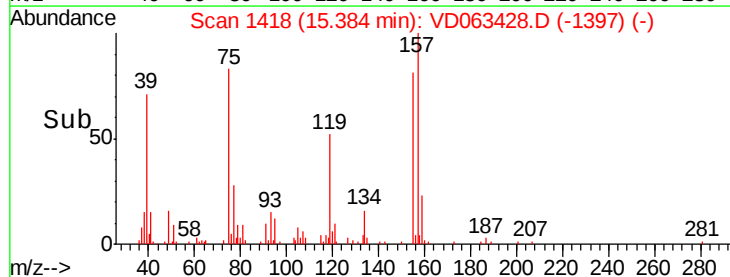
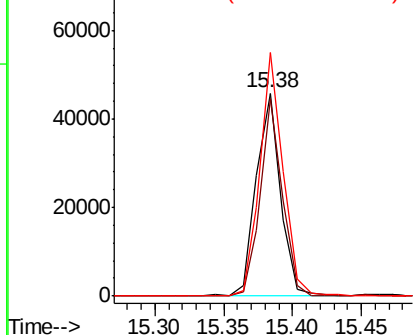


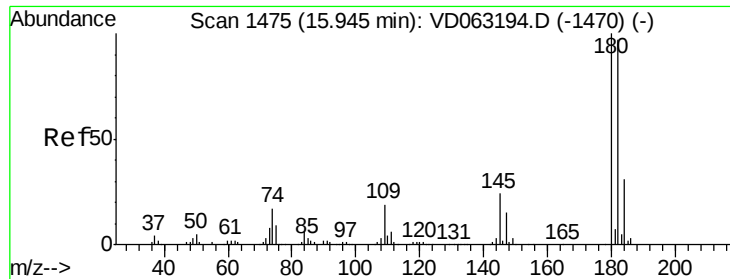
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.466 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD063428.D
 Acq: 7 Aug 2019 19:13

Tgt Ion: 75 Resp: 56435
 Ion Ratio Lower Upper
 75 100
 155 97.4 37.0 111.0
 157 120.1 52.4 157.2



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

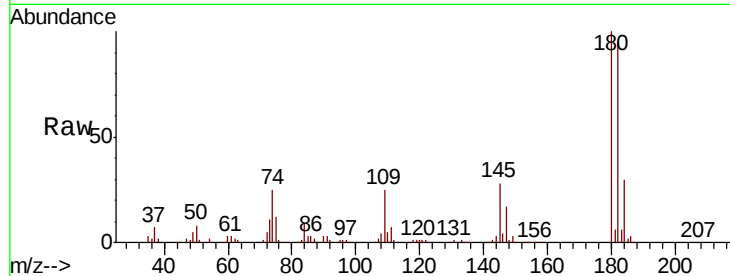




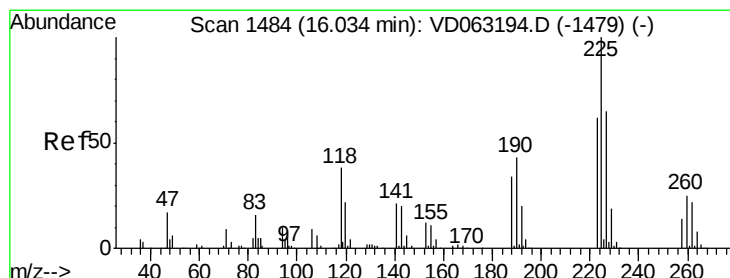
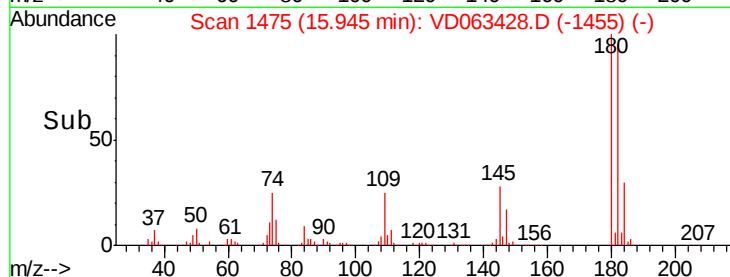
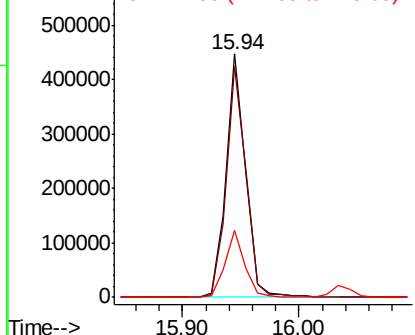
#93
 1,2,4-Trichlorobenzene
 Concen: 42.091 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD063428.D
 Acq: 7 Aug 2019 19:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:180 Resp: 515197
 Ion Ratio Lower Upper
 180 100
 182 94.8 48.6 145.8
 145 27.7 12.2 36.6

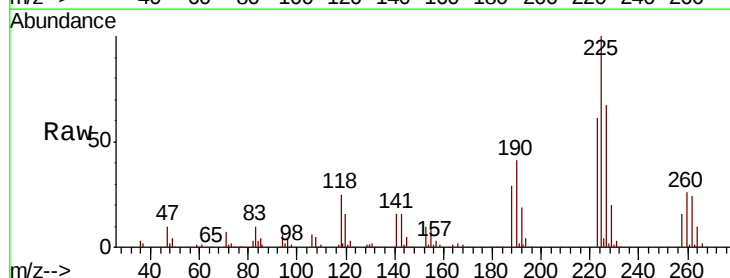


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

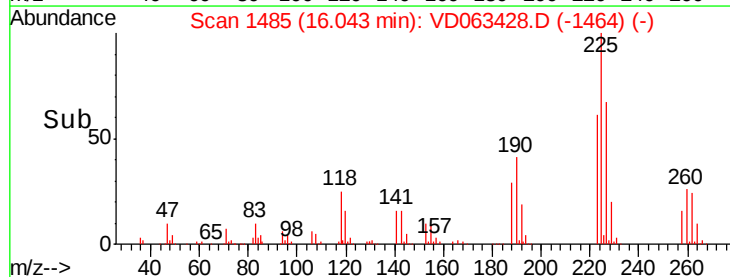
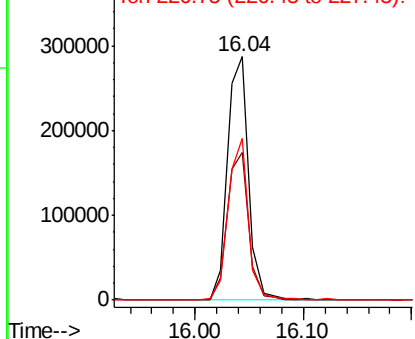


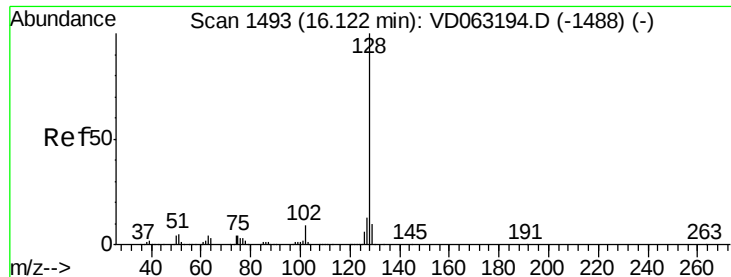
#94
 Hexachlorobutadiene
 Concen: 43.871 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD063428.D
 Acq: 7 Aug 2019 19:13

Tgt Ion:225 Resp: 389135
 Ion Ratio Lower Upper
 225 100
 223 60.6 30.9 92.5
 227 66.6 32.6 97.7



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

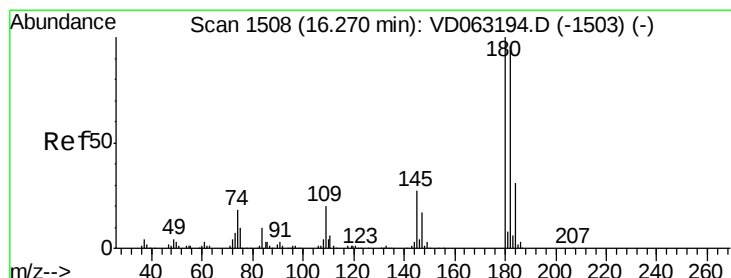
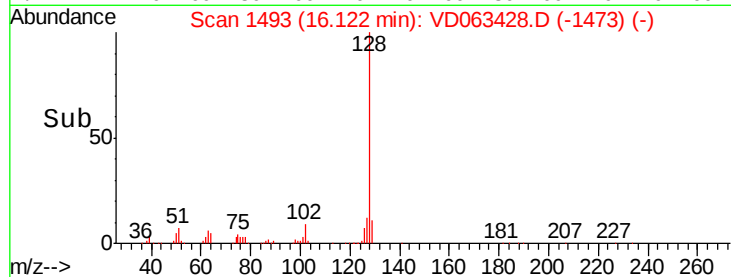
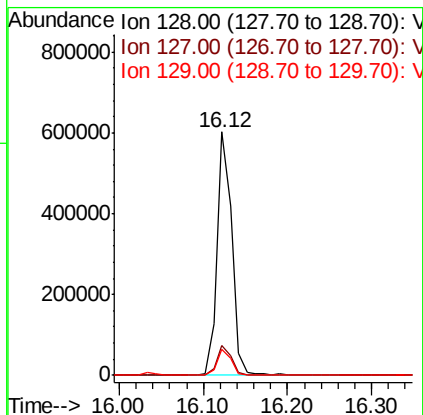
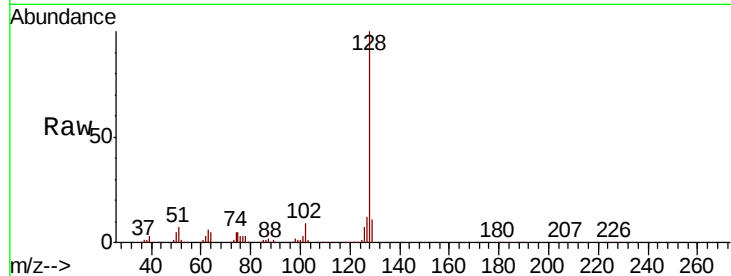




#95
Naphthalene
Concen: 42.337 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 732420
Ion Ratio Lower Upper
128 100
127 12.2 10.2 15.4
129 10.6 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 42.020 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD063428.D
Acq: 7 Aug 2019 19:13

Tgt Ion:180 Resp: 406310
Ion Ratio Lower Upper
180 100
182 96.8 48.3 144.9
145 30.3 13.6 40.7

