

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080919\
 Data File : VD063473.D
 Acq On : 9 Aug 2019 14:56
 Operator : JC/SY
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Quant Time: Aug 10 06:24:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:19:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	1121152	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.24	114	1534428	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	1332056	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	697628	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	689842	57.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.96%	
35) Dibromofluoromethane	6.94	113	762914	59.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.08%	
50) Toluene-d8	10.42	98	1730831	60.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.84%	
62) 4-Bromofluorobenzene	13.56	95	701444	54.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.94%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.58	85	670828	49.379	ug/l	100
3) Chloromethane	1.75	50	498953	47.006	ug/l	100
4) Vinyl Chloride	1.86	62	539304	51.186	ug/l	100
5) Bromomethane	2.16	94	267656	54.123	ug/l	100
6) Chloroethane	2.27	64	248832	51.642	ug/l	100
7) Trichlorofluoromethane	2.54	101	1077539	52.136	ug/l	100
8) Diethyl Ether	2.88	74	146852	50.324	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.16	101	616002	50.477	ug/l	100
10) Methyl Iodide	3.31	142	910683	52.748	ug/l	100
11) Tert butyl alcohol	4.09	59	134527	257.477	ug/l	100
12) 1,1-Dichloroethene	3.14	96	484406	53.425	ug/l	100
13) Acrolein	3.05	56	118233	229.870	ug/l	100
14) Allyl chloride	3.63	41	680232	49.939	ug/l	100
15) Acrylonitrile	4.21	53	357323	258.199	ug/l	100
16) Acetone	3.24	43	685823	279.424	ug/l	100
17) Carbon Disulfide	3.38	76	1428076	49.886	ug/l	100
18) Methyl Acetate	3.65	43	213404	46.172	ug/l	100
19) Methyl tert-butyl Ether	4.25	73	932605	51.398	ug/l	100
20) Methylene Chloride	3.83	84	499851	47.370	ug/l	100
21) trans-1,2-Dichloroethene	4.23	96	506386	53.039	ug/l	100
22) Diisopropyl ether	5.14	45	1432601	50.928	ug/l	100
23) Vinyl Acetate	5.08	43	4151459	254.055	ug/l	100
24) 1,1-Dichloroethane	5.00	63	880525	50.442	ug/l	100
25) 2-Butanone	6.09	43	623753	258.880	ug/l	100
26) 2,2-Dichloropropane	6.04	77	880030	50.613	ug/l	100
27) cis-1,2-Dichloroethene	6.05	96	536353	51.346	ug/l	100
28) Bromochloromethane	6.45	49	367059	51.880	ug/l	100
29) Tetrahydrofuran	6.47	42	287268	255.841	ug/l	100
30) Chloroform	6.68	83	1084646	49.985	ug/l	100
31) Cyclohexane	6.97	56	572324	52.812	ug/l	100
32) 1,1,1-Trichloroethane	6.89	97	1060969	51.115	ug/l	100
36) 1,1-Dichloropropene	7.16	75	718299	52.954	ug/l	100
37) Ethyl Acetate	6.21	43	296050	52.211	ug/l	100
38) Carbon Tetrachloride	7.12	117	1156798	56.585	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	637088	55.233	ug/l	100
40) Benzene	7.47	78	1600945	53.631	ug/l	100
41) Methacrylonitrile	6.46	41	381715	53.336	ug/l	100
42) 1,2-Dichloroethane	7.60	62	799214	53.246	ug/l	100
43) Isopropyl Acetate	9.26	43	398003	52.281	ug/l	100
44) Trichloroethene	8.55	130	570573	49.994	ug/l	100
45) 1,2-Dichloropropane	8.95	63	356941	51.347	ug/l	100
46) Dibromomethane	9.07	93	318958	53.728	ug/l	100
47) Bromodichloromethane	9.39	83	783320	51.440	ug/l	100
48) Methyl methacrylate	9.13	41	269660	52.232	ug/l	100
49) 1,4-Dioxane	9.10	88	47594	1083.364	ug/l	100
51) 4-Methyl-2-Pentanone	10.31	43	1299803	249.522	ug/l	100
52) Toluene	10.53	92	962878	50.080	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	659537	53.071	ug/l	100
54) cis-1,3-Dichloropropene	10.06	75	751923	53.660	ug/l	100
55) 1,1,2-Trichloroethane	11.21	97	332615	51.213	ug/l	100
56) Ethyl methacrylate	11.06	69	379664	53.858	ug/l	100
57) 1,3-Dichloropropane	11.43	76	513061	52.260	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.87	63	1077475	289.518	ug/l	100
59) 2-Hexanone	11.54	43	1056612	278.765	ug/l	100
60) Dibromochloromethane	11.70	129	624266	52.822	ug/l	100
61) 1,2-Dibromoethane	11.82	107	403482	51.318	ug/l	100
64) Tetrachloroethene	11.28	164	520296	50.597	ug/l	100
65) Chlorobenzene	12.41	112	1257297	50.361	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.53	131	556762	50.673	ug/l	100
67) Ethyl Benzene	12.54	91	2213637	50.994	ug/l	100
68) m/p-Xylenes	12.69	106	1517434	99.496	ug/l	100
69) o-Xylene	13.06	106	745627	50.797	ug/l	100
70) Styrene	13.08	104	1289578	49.390	ug/l	100
71) Bromoform	13.25	173	390999	51.898	ug/l	100
73) Isopropylbenzene	13.41	105	2336397	52.654	ug/l	100
74) N-amyl acetate	13.28	43	583446	52.379	ug/l	100
75) 1,1,2,2-Tetrachloroethane	13.71	83	382430	51.925	ug/l	100
76) 1,2,3-Trichloropropane	13.74	75	413654	51.665	ug/l	100
77) Bromobenzene	13.68	156	610986	50.381	ug/l	100
78) n-propylbenzene	13.79	91	2611864	50.307	ug/l	100
79) 2-Chlorotoluene	13.85	91	1489371	49.760	ug/l	100
80) 1,3,5-Trimethylbenzene	13.95	105	1998093	51.537	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.48	75	111304	51.723	ug/l	100
82) 4-Chlorotoluene	13.96	91	1825935	50.725	ug/l	100
83) tert-Butylbenzene	14.20	119	2084633	51.061	ug/l	100
84) 1,2,4-Trimethylbenzene	14.25	105	1870475	52.142	ug/l	100
85) sec-Butylbenzene	14.38	105	2102276	48.488	ug/l	100
86) p-Isopropyltoluene	14.50	119	2184898	52.704	ug/l	100
87) 1,3-Dichlorobenzene	14.47	146	1102748	50.271	ug/l	100
88) 1,4-Dichlorobenzene	14.55	146	1065584	50.632	ug/l	100
89) n-Butylbenzene	14.81	91	1856026	49.055	ug/l	100
90) Hexachloroethane	15.02	117	525388	50.422	ug/l	100
91) 1,2-Dichlorobenzene	14.82	146	926777	49.797	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	15.39	75	69056	49.795	ug/l	100

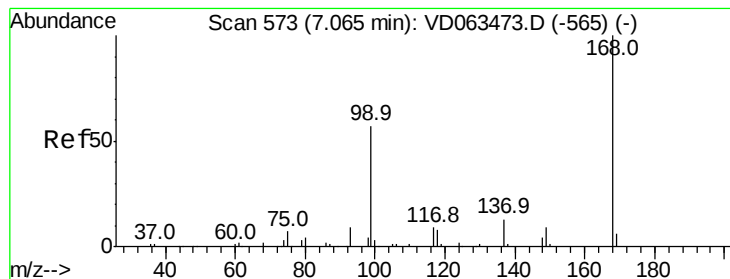
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080919\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	729929	53.301	ug/l	100
94) Hexachlorobutadiene	16.04	225	543623	52.086	ug/l	100
95) Naphthalene	16.13	128	1047491	50.472	ug/l	100
96) 1,2,3-Trichlorobenzene	16.28	180	553453	50.037	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.00 min

Lab File: VD063473.D

Acq: 9 Aug 2019 14:56

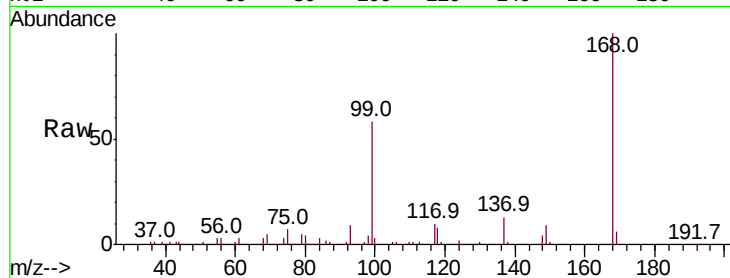
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:168 Resp: 1121152

Ion Ratio Lower Upper

168 100

99 58.4 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

400000

300000

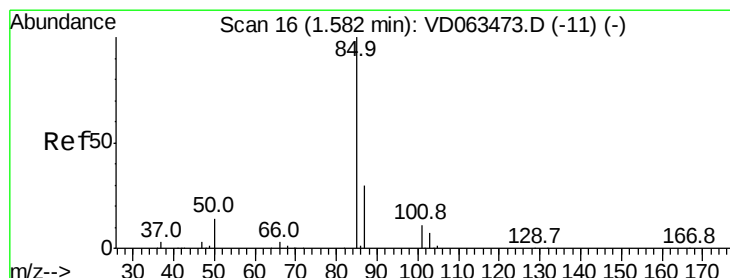
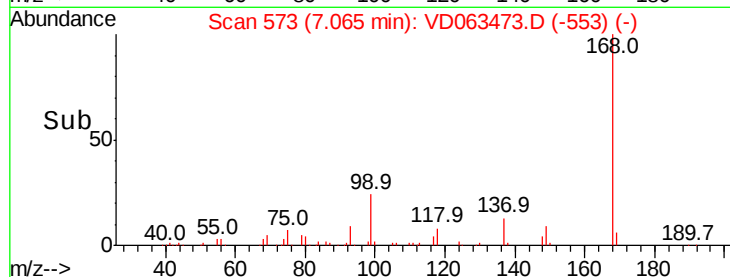
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 49.379 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.00 min

Lab File: VD063473.D

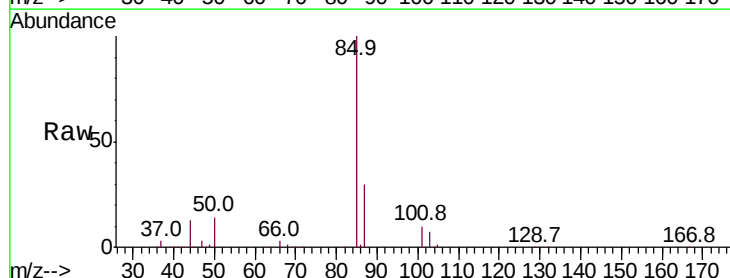
Acq: 9 Aug 2019 14:56

Tgt Ion: 85 Resp: 670828

Ion Ratio Lower Upper

85 100

87 30.0 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

400000

300000

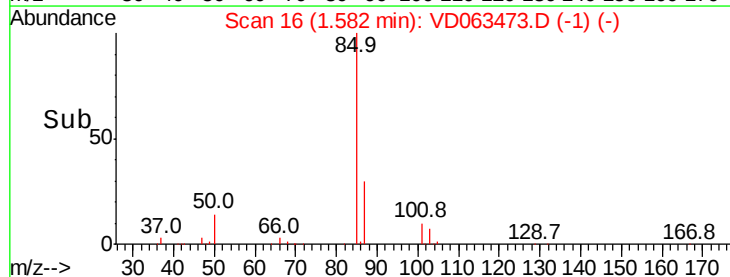
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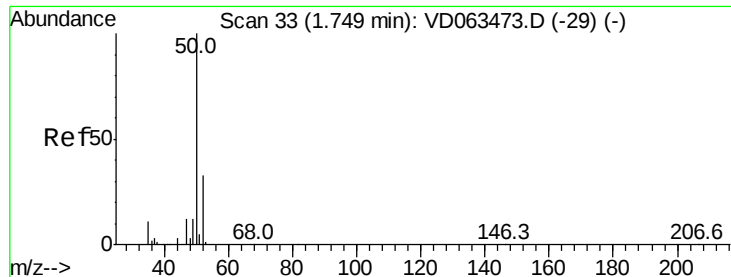
100000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 47.006 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.00 min

Lab File: VD063473.D

Acq: 9 Aug 2019 14:56

Instrument :

MSVOA_D

ClientSampleId :

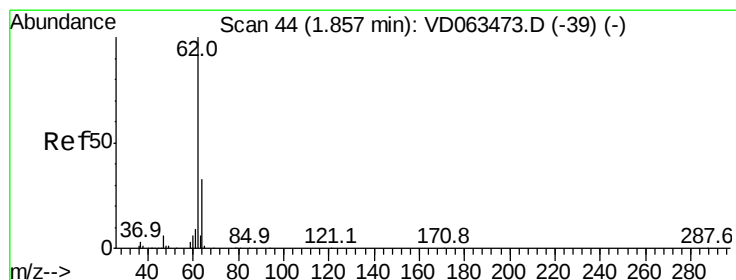
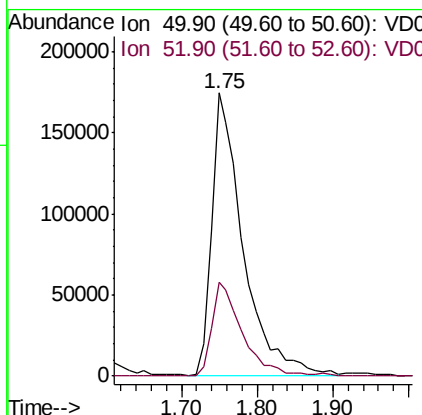
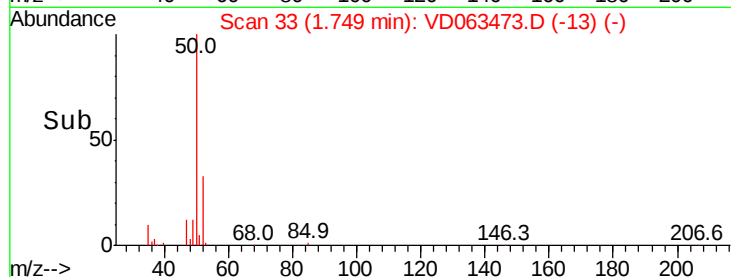
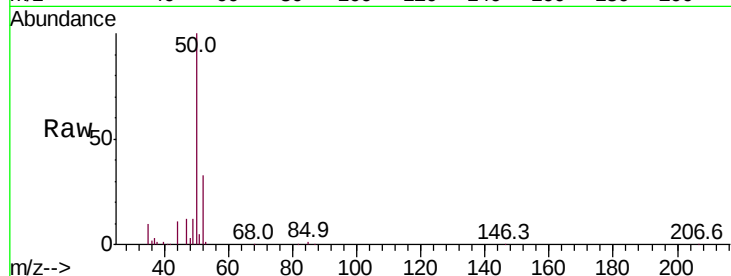
VSTDICCC050

Tot Ion: 50 Resp: 498953

Ion Ratio Lower Upper

50 100

52 33.3 26.6 40.0



#4

Vinyl Chloride

Concen: 51.186 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.00 min

Lab File: VD063473.D

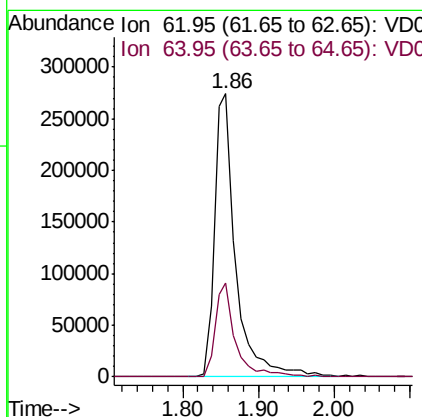
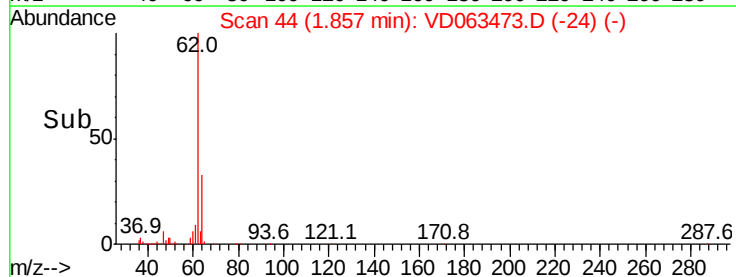
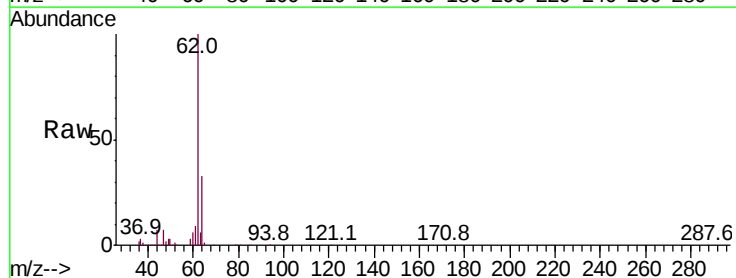
Acq: 9 Aug 2019 14:56

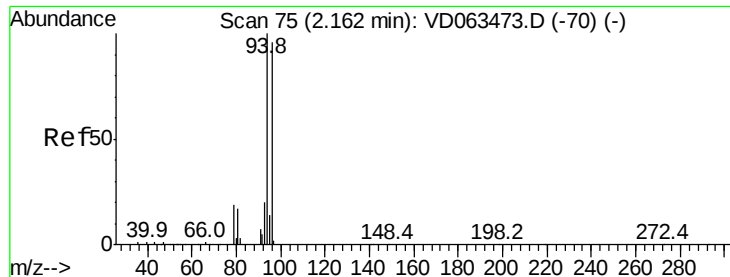
Tgt Ion: 62 Resp: 539304

Ion Ratio Lower Upper

62 100

64 33.0 26.4 39.6





#5

Bromomethane

Concen: 54.123 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.00 min

Lab File: VD063473.D

Acq: 9 Aug 2019 14:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

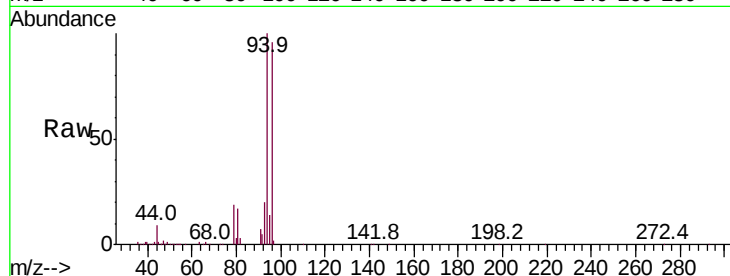
Tot Ion: 94 Resp: 267656

Ion Ratio Lower Upper

94 100

96 95.6 76.5 114.7

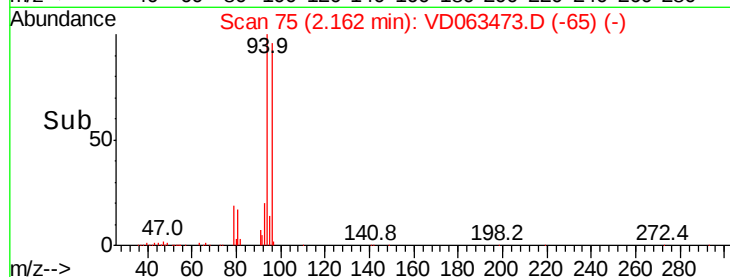
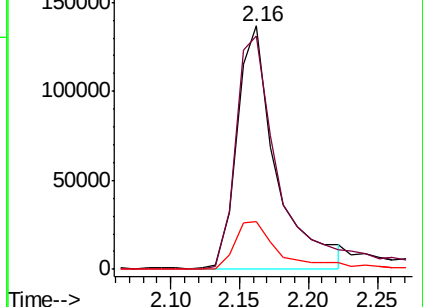
93 19.8 15.8 23.8



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: 51.642 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.00 min

Lab File: VD063473.D

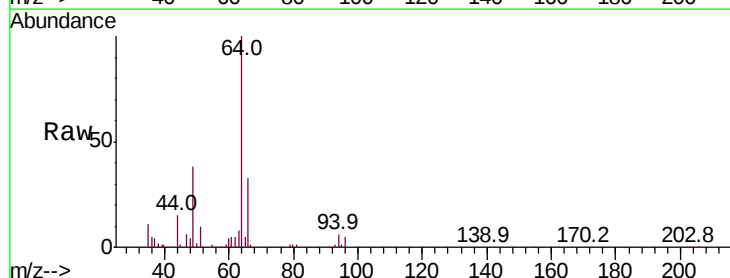
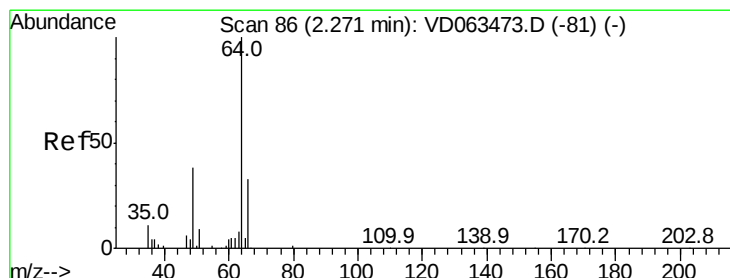
Acq: 9 Aug 2019 14:56

Tgt Ion: 64 Resp: 248832

Ion Ratio Lower Upper

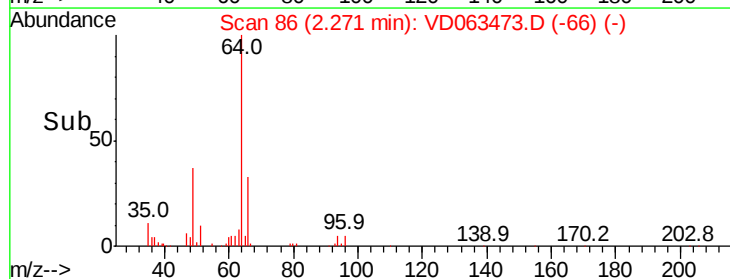
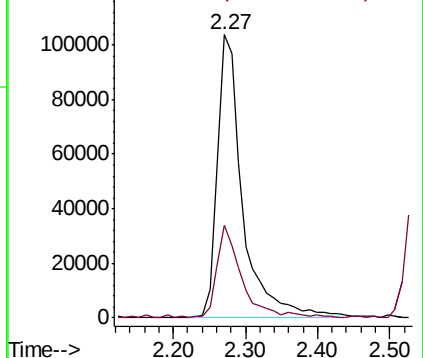
64 100

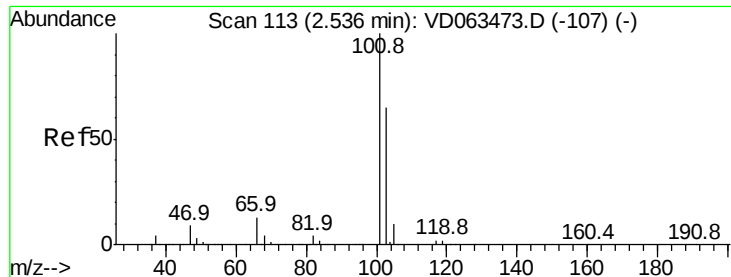
66 32.9 26.3 39.5



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



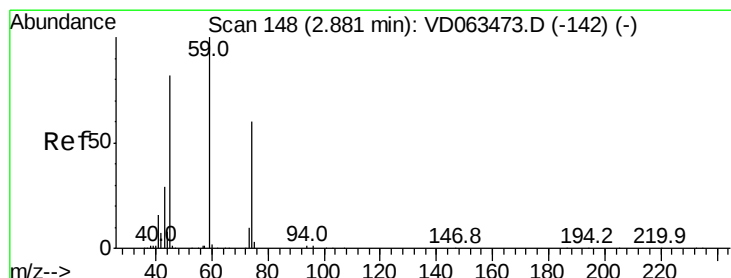
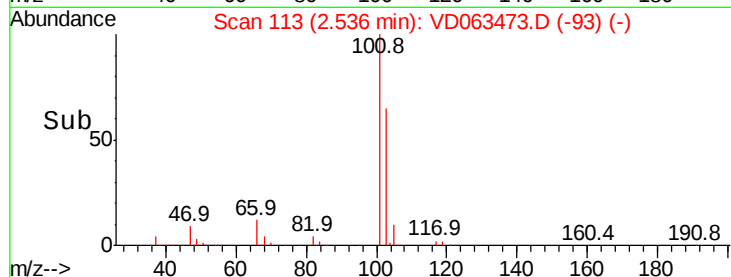
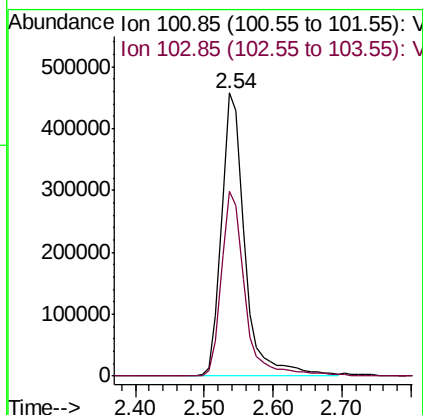
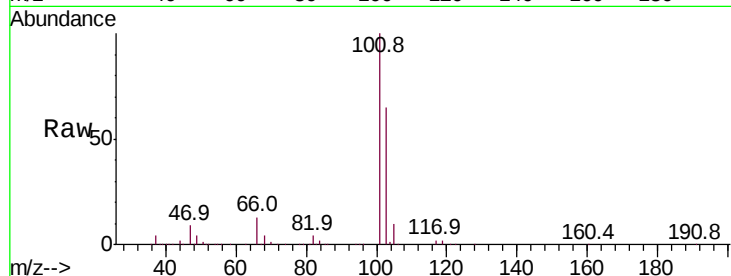


#7

Trichlorofluoromethane
Concen: 52.136 ug/l
RT: 2.54 min Scan# 113
Delta R.T. 0.00 min
Lab File: VD063473.D
Acq: 9 Aug 2019 14:56

Instrument :
MSVOA_D
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VSTDICCC050

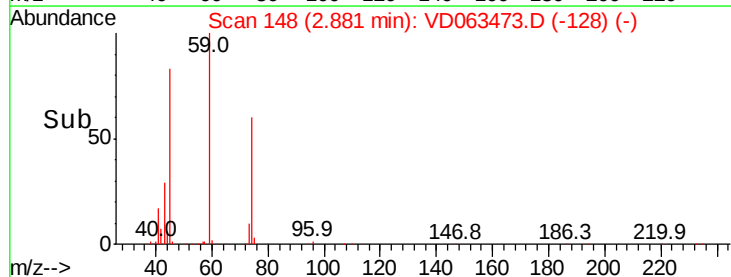
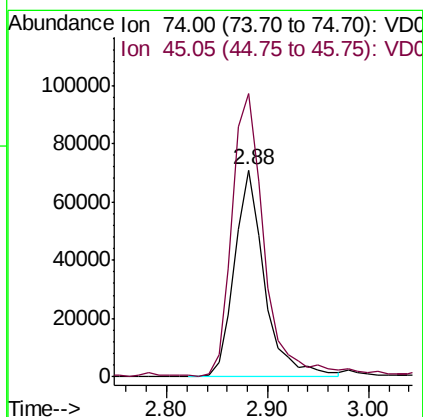
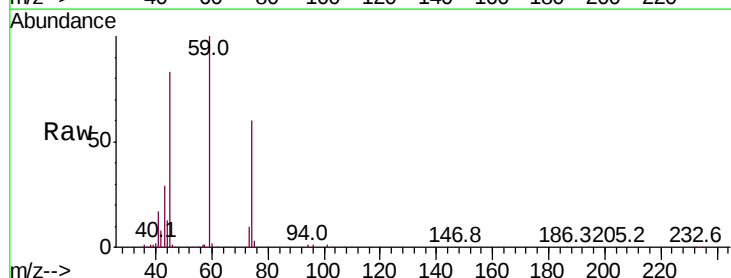
Tot Ion:101 Resp: 1077539
Ion Ratio Lower Upper
101 100
103 65.3 52.2 78.4

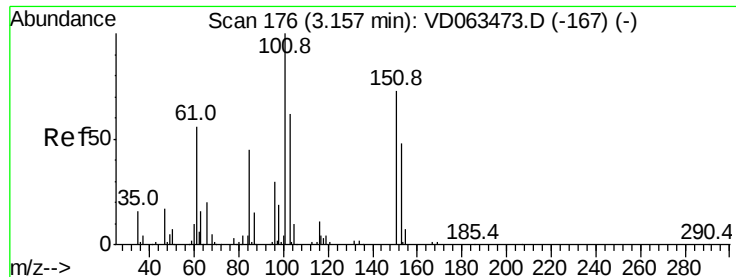


#8

Diethyl Ether
Concen: 50.324 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.00 min
Lab File: VD063473.D
Acq: 9 Aug 2019 14:56

Tgt Ion: 74 Resp: 146852
Ion Ratio Lower Upper
74 100
45 137.0 68.5 205.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.477 ug/l

RT: 3.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VD063473.D

Acq: 9 Aug 2019 14:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

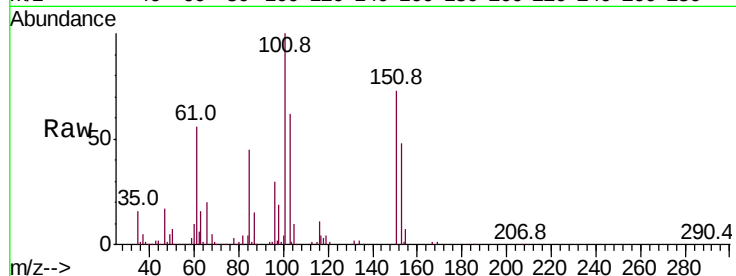
Tot Ion:101 Resp: 616002

Ion Ratio Lower Upper

101 100

85 44.7 35.8 53.6

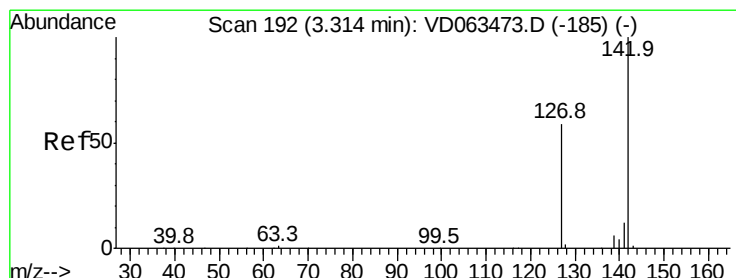
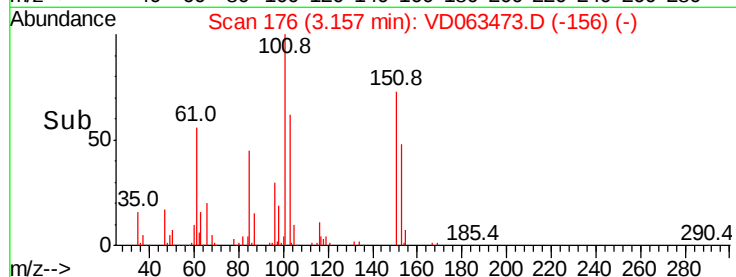
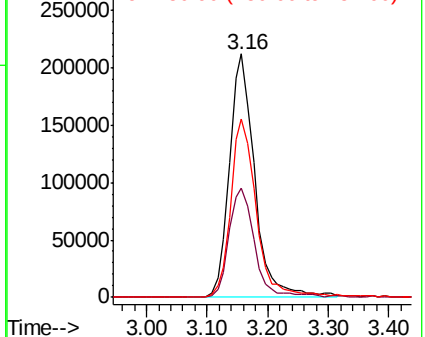
151 73.3 58.6 88.0



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: 52.748 ug/l

RT: 3.31 min Scan# 192

Delta R.T. 0.00 min

Lab File: VD063473.D

Acq: 9 Aug 2019 14:56

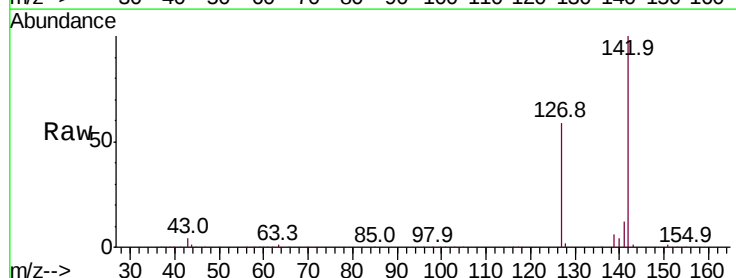
Tgt Ion:142 Resp: 910683

Ion Ratio Lower Upper

142 100

127 59.0 47.2 70.8

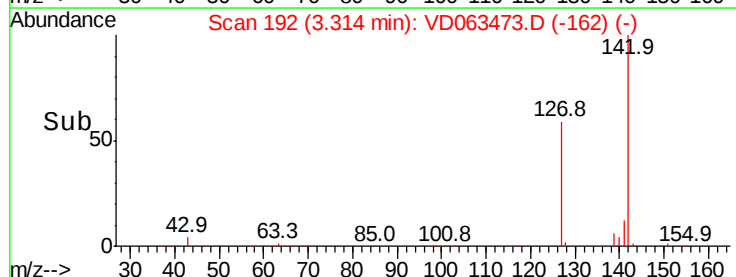
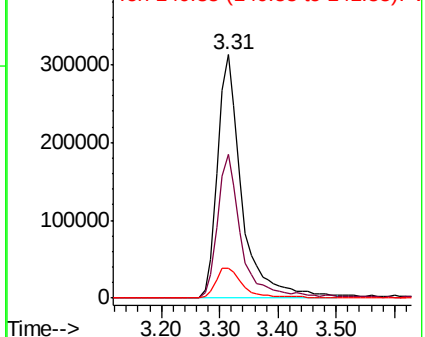
141 12.3 9.8 14.8

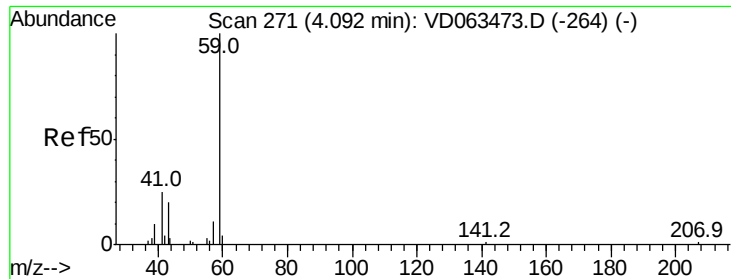


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



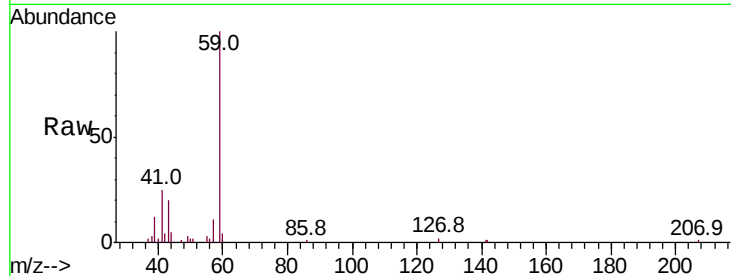


#11

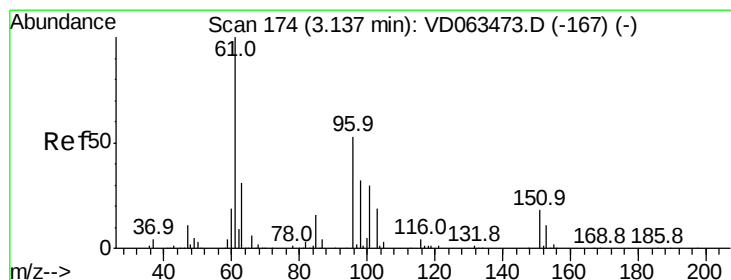
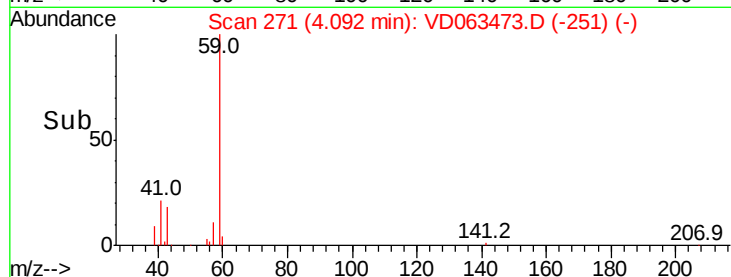
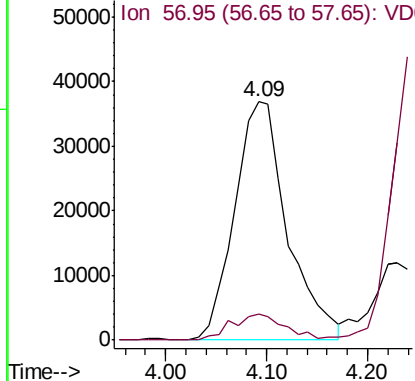
Tert butyl alcohol
Concen: 257.477 ug/l
RT: 4.09 min Scan# 271
Delta R.T. 0.00 min
Lab File: VD063473.D
Acq: 9 Aug 2019 14:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 59 Resp: 134527
Ion Ratio Lower Upper
59 100
57 10.9 8.7 13.1



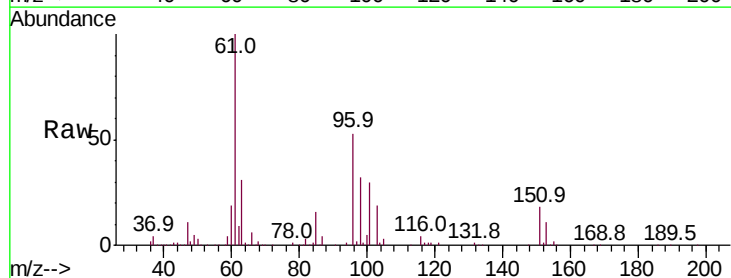
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



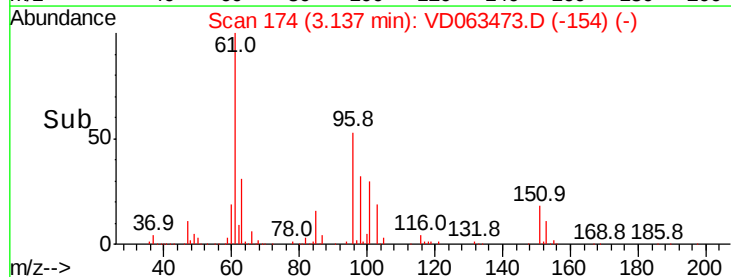
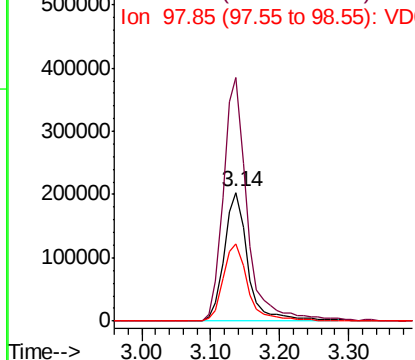
#12

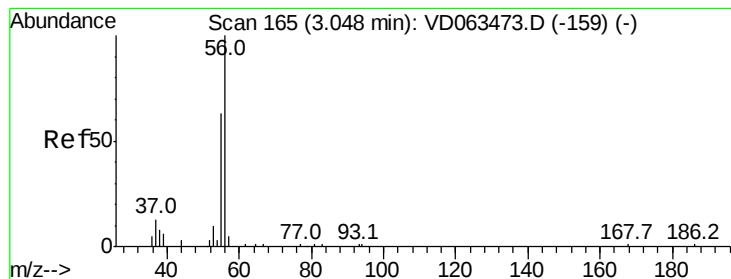
1,1-Dichloroethene
Concen: 53.425 ug/l
RT: 3.14 min Scan# 174
Delta R.T. 0.00 min
Lab File: VD063473.D
Acq: 9 Aug 2019 14:56

Tgt Ion: 96 Resp: 484406
Ion Ratio Lower Upper
96 100
61 189.6 151.7 227.5
98 60.5 48.4 72.6



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 229.870 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.00 min

Lab File: VD063473.D

Acq: 9 Aug 2019 14:56

Instrument :

MSVOA_D

ClientSampleId :

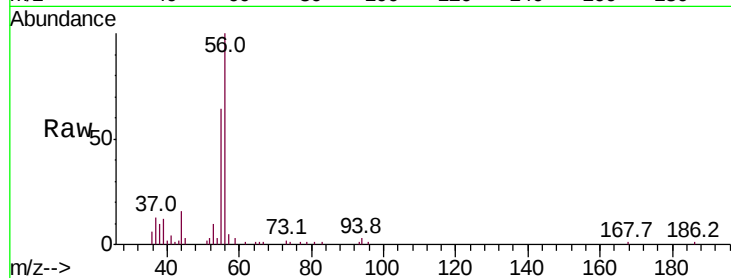
VSTDICCC050

Tot Ion: 56 Resp: 118233

Ion Ratio Lower Upper

56 100

55 64.1 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.05

50000

40000

30000

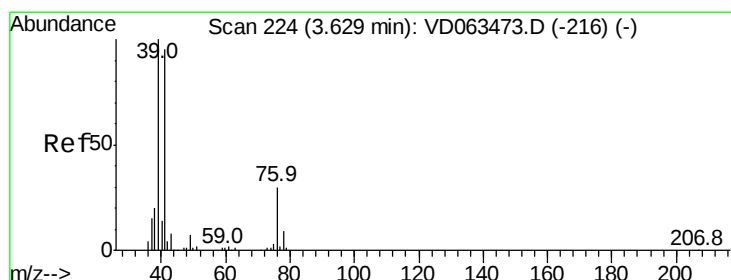
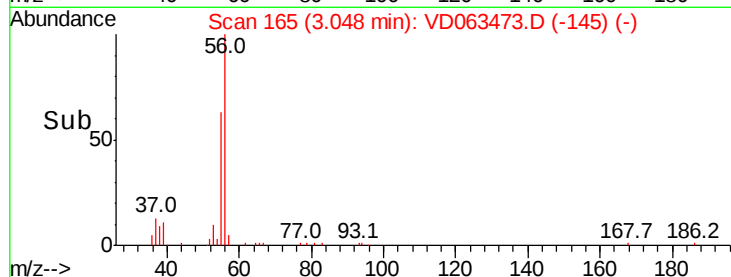
20000

10000

0

Time-->

3.00 3.10 3.20



#14

Allyl chloride

Concen: 49.939 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD063473.D

Acq: 9 Aug 2019 14:56

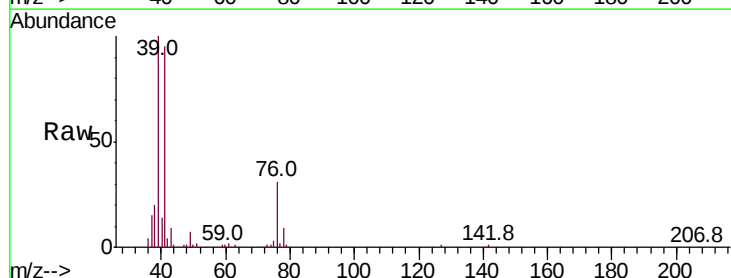
Tgt Ion: 41 Resp: 680232

Ion Ratio Lower Upper

41 100

39 105.3 84.2 126.4

76 32.5 26.0 39.0



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

3.63

300000

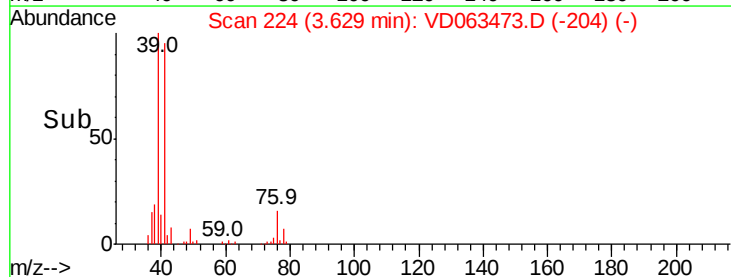
200000

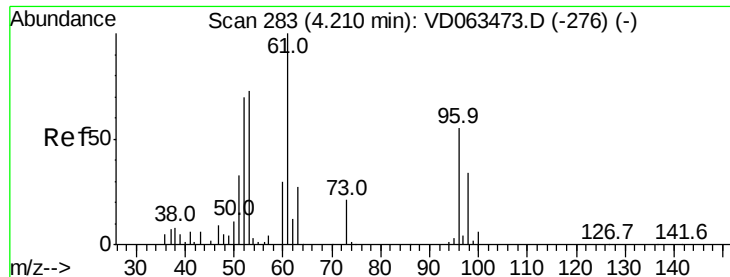
100000

0

Time-->

3.50 3.60 3.70 3.80





#15

Acrylonitrile

Concen: 258.199 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.00 min

Lab File: VD063473.D

Acq: 9 Aug 2019 14:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

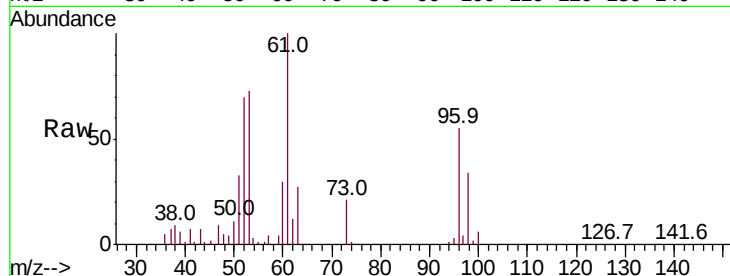
Tot Ion: 53 Resp: 357323

Ion Ratio Lower Upper

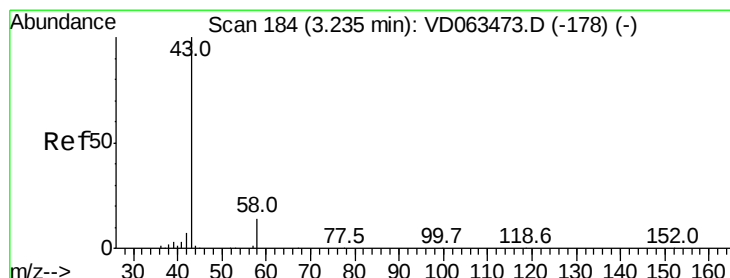
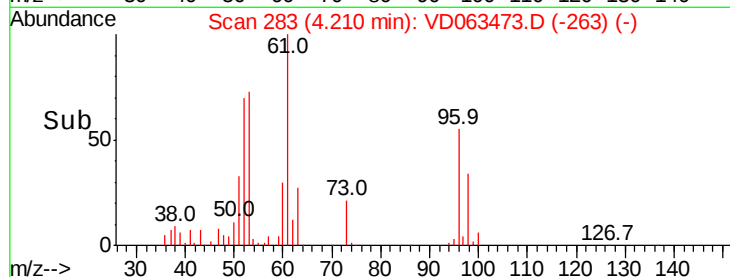
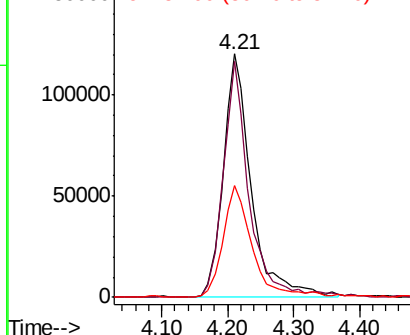
53 100

52 96.7 77.4 116.0

51 45.9 36.7 55.1



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: 279.424 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.00 min

Lab File: VD063473.D

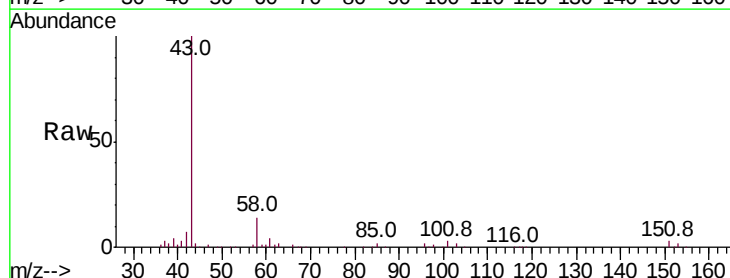
Acq: 9 Aug 2019 14:56

Tgt Ion: 43 Resp: 685823

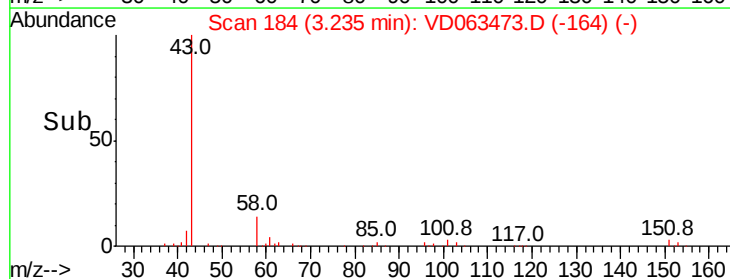
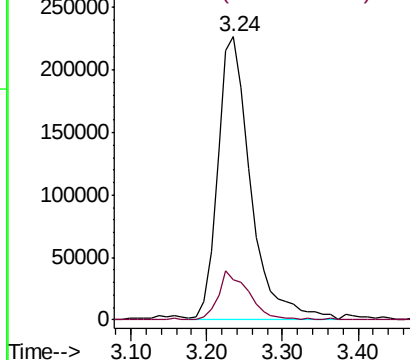
Ion Ratio Lower Upper

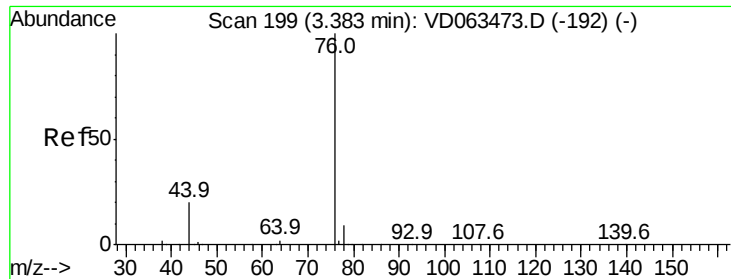
43 100

58 14.3 11.4 17.2



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

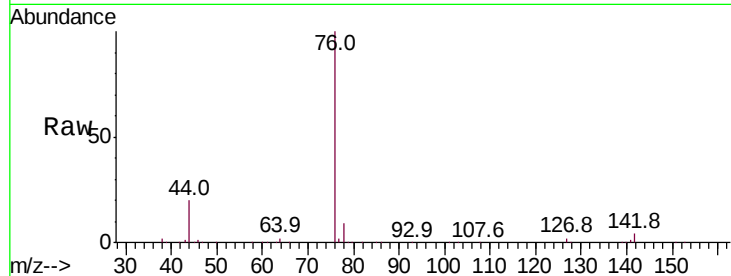




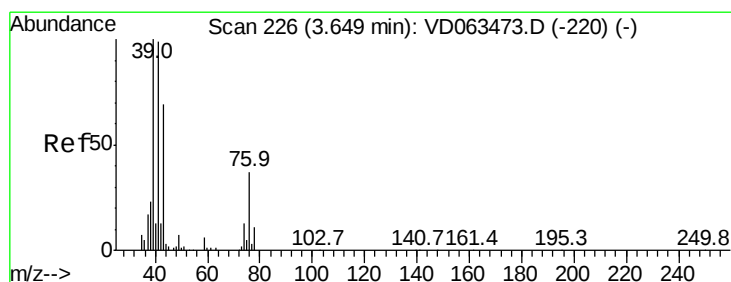
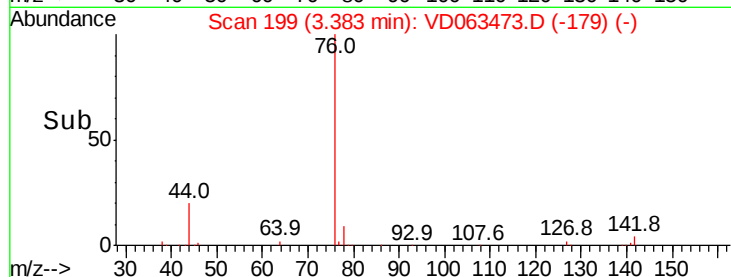
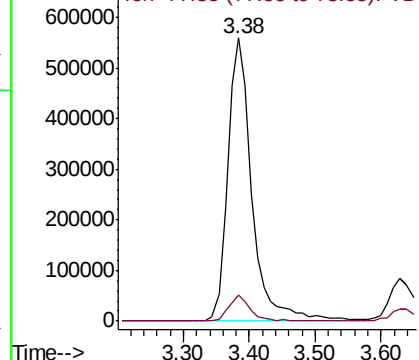
#17
Carbon Disulfide
Concen: 49.886 ug/l
RT: 3.38 min Scan# 199
Delta R.T. 0.00 min
Lab File: VD063473.D
Acq: 9 Aug 2019 14:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 76 Resp: 1428076
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0

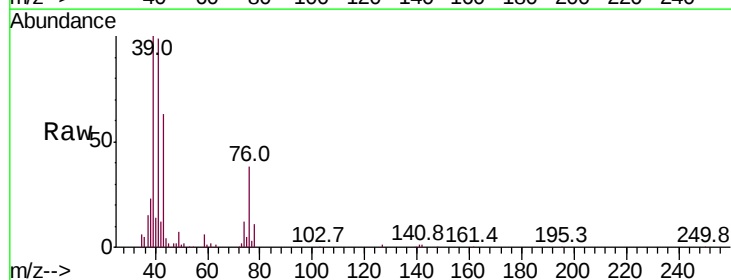


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

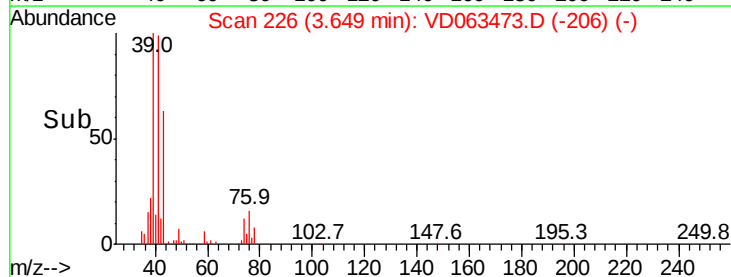
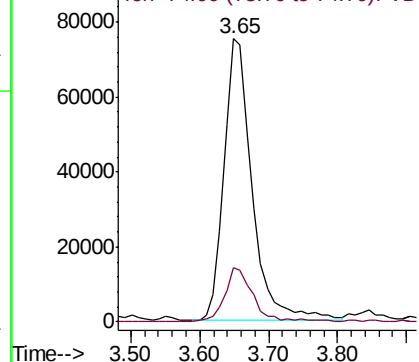


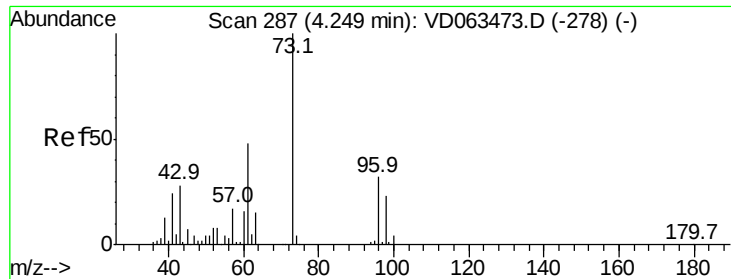
#18
Methyl Acetate
Concen: 46.172 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.00 min
Lab File: VD063473.D
Acq: 9 Aug 2019 14:56

Tgt Ion: 43 Resp: 213404
Ion Ratio Lower Upper
43 100
74 19.3 15.4 23.2



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

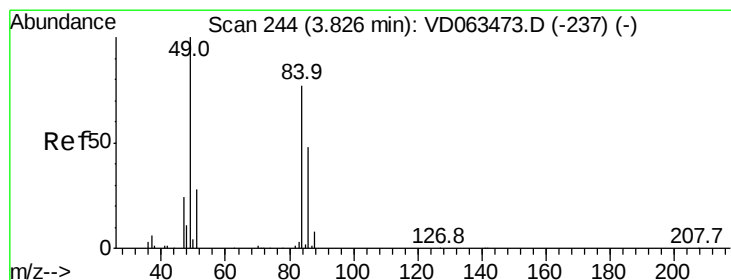
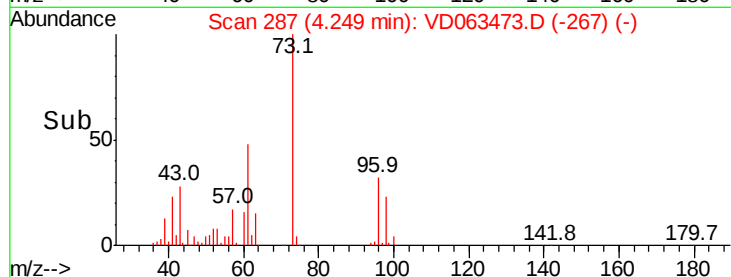
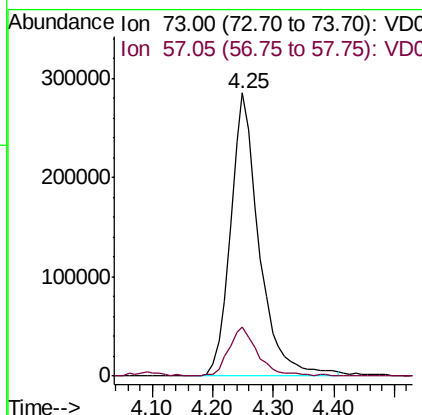
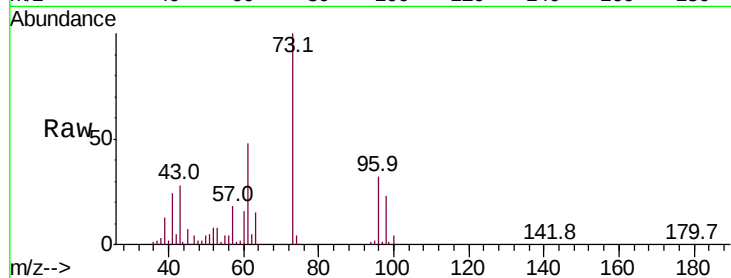




#19
Methyl tert-butyl Ether
Concen: 51.398 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.00 min
Lab File: VD063473.D
Acq: 9 Aug 2019 14:56

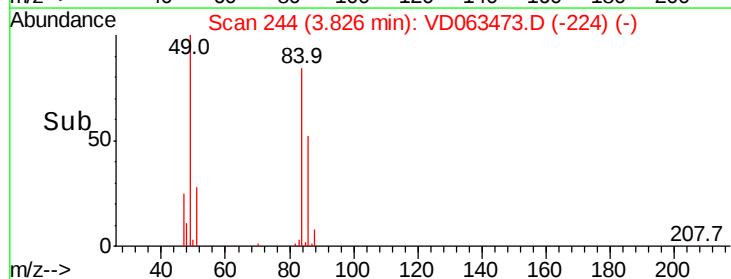
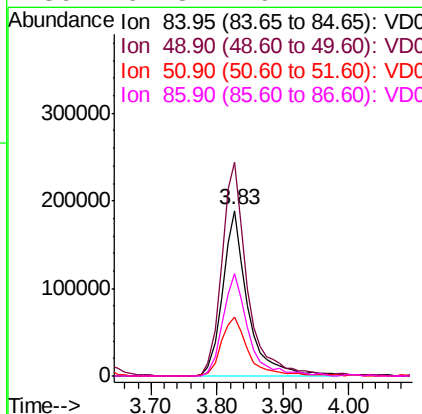
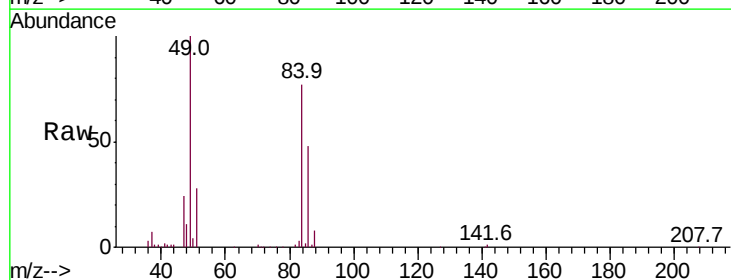
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

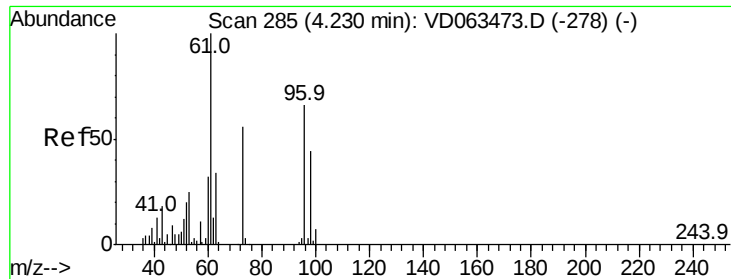
Tot Ion: 73 Resp: 932605
Ion Ratio Lower Upper
73 100
57 17.5 14.0 21.0



#20
Methylene Chloride
Concen: 47.370 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.00 min
Lab File: VD063473.D
Acq: 9 Aug 2019 14:56

Tgt Ion: 84 Resp: 499851
Ion Ratio Lower Upper
84 100
49 129.3 103.4 155.2
51 35.6 28.5 42.7
86 61.8 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 53.039 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.00 min

Lab File: VD063473.D

Acq: 9 Aug 2019 14:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

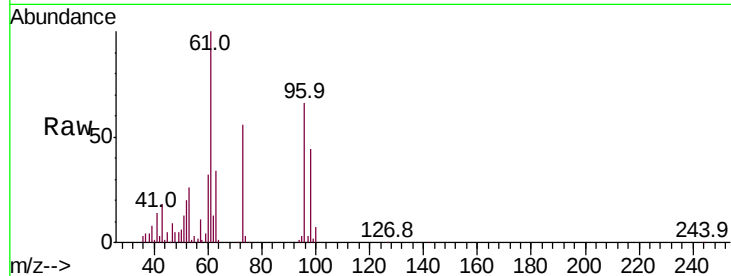
Tot Ion: 96 Resp: 506386

Ion Ratio Lower Upper

96 100

61 152.1 121.7 182.5

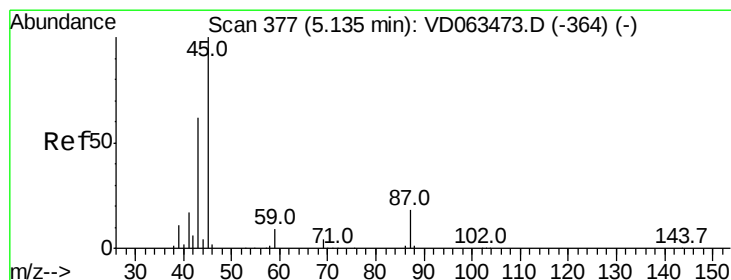
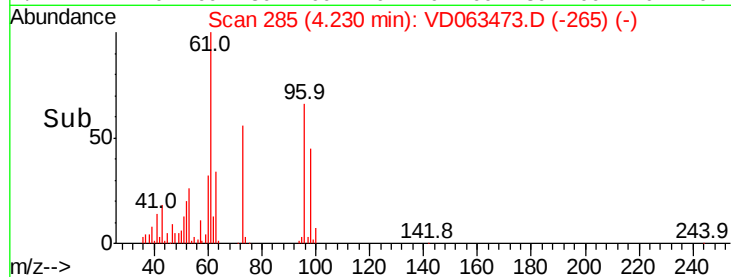
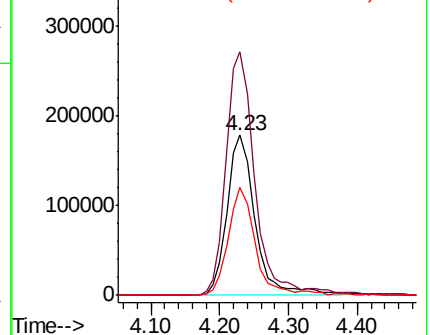
98 67.7 54.2 81.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 50.928 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.00 min

Lab File: VD063473.D

Acq: 9 Aug 2019 14:56

Tgt Ion: 45 Resp: 1432601

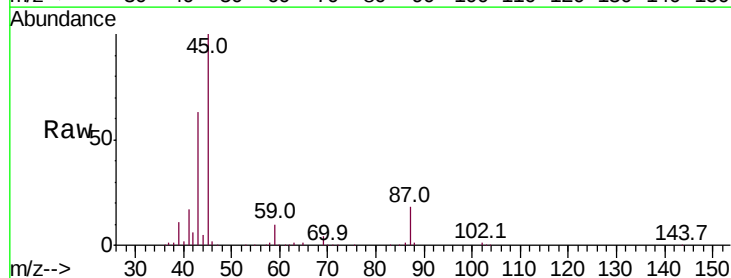
Ion Ratio Lower Upper

45 100

43 62.9 50.3 75.5

87 17.9 14.3 21.5

59 9.6 7.7 11.5

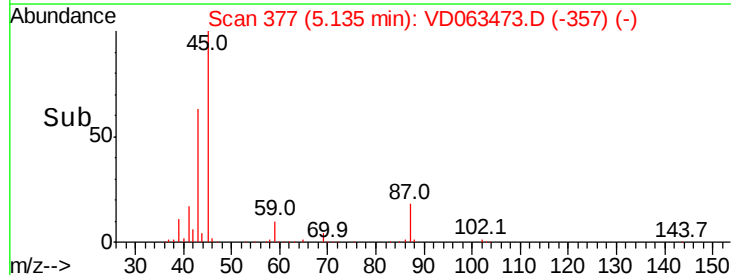
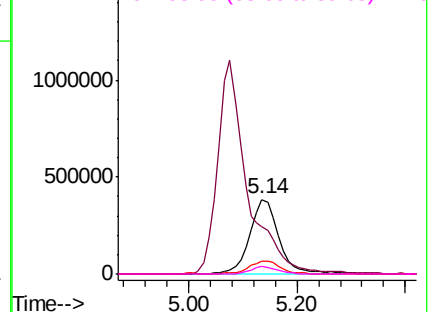


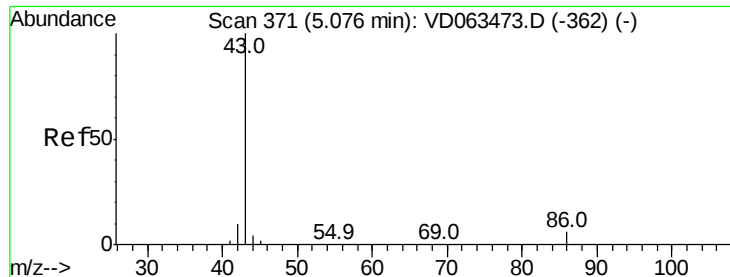
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 254.055 ug/l

RT: 5.08 min Scan# 371

Delta R.T. 0.00 min

Lab File: VD063473.D

Acq: 9 Aug 2019 14:56

Instrument :

MSVOA_D

ClientSampleId :

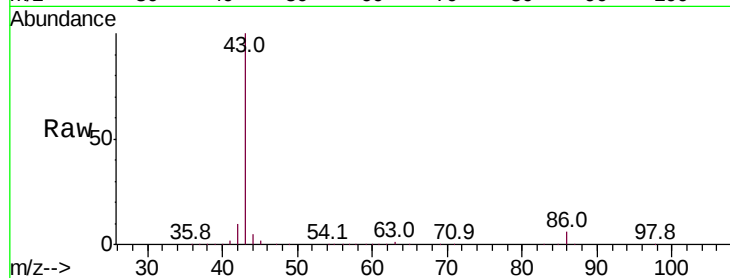
VSTDICCC050

Tot Ion: 43 Resp: 4151459

Ion Ratio Lower Upper

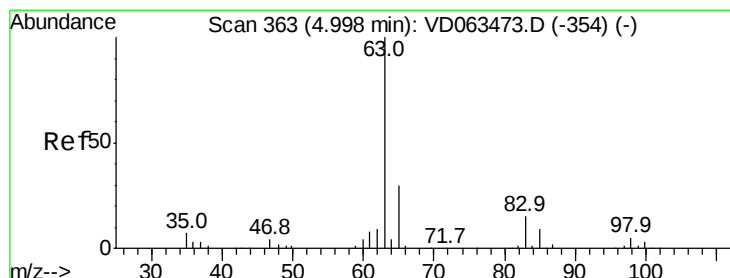
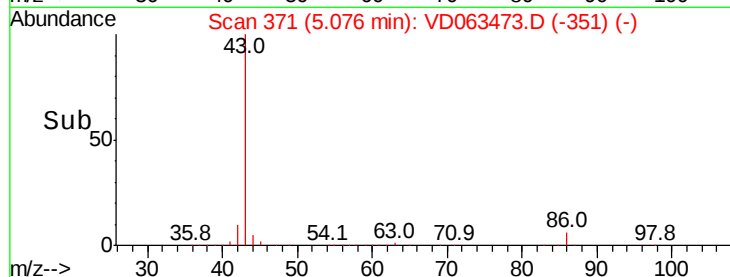
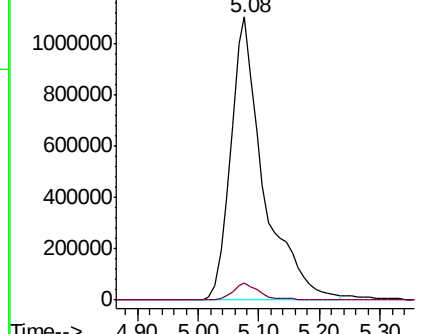
43 100

86 6.0 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 50.442 ug/l

RT: 5.00 min Scan# 363

Delta R.T. 0.00 min

Lab File: VD063473.D

Acq: 9 Aug 2019 14:56

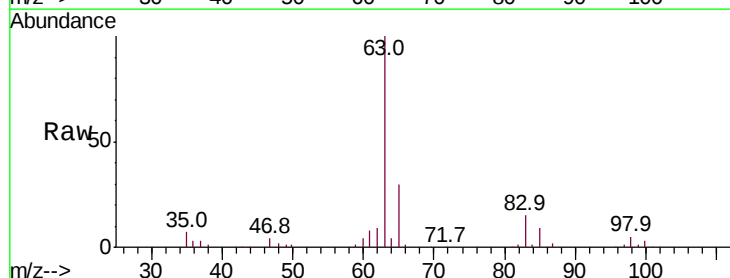
Tgt Ion: 63 Resp: 880525

Ion Ratio Lower Upper

63 100

98 4.8 2.4 7.2

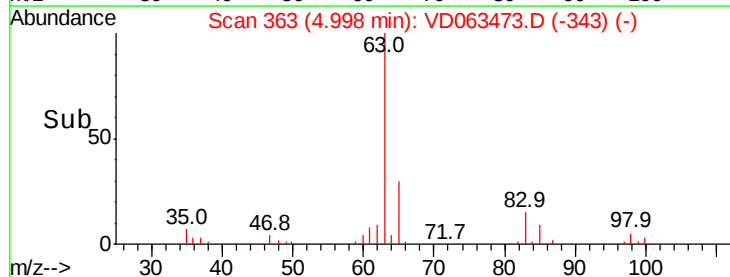
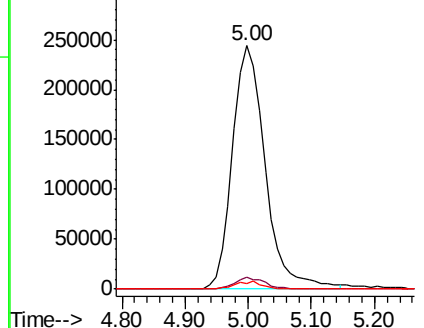
100 2.5 1.3 3.8

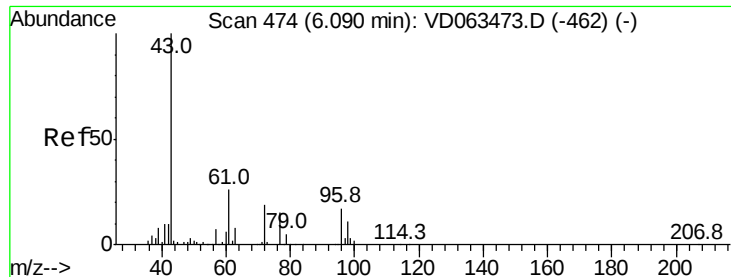


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 258.880 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD063473.D

Acq: 9 Aug 2019 14:56

Instrument :

MSVOA_D

ClientSampleId :

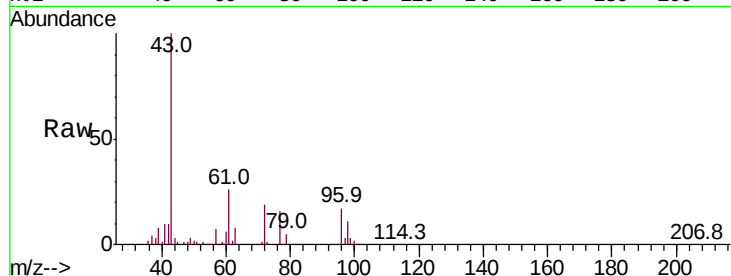
VSTDICCC050

Tot Ion: 43 Resp: 623753

Ion Ratio Lower Upper

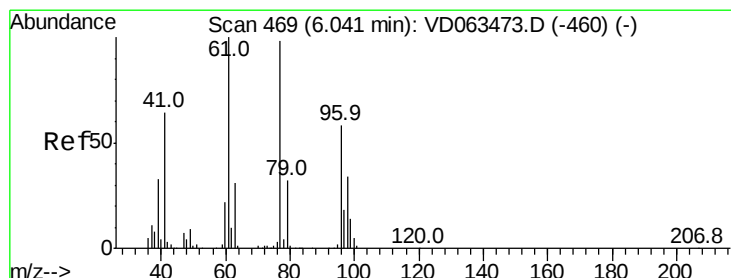
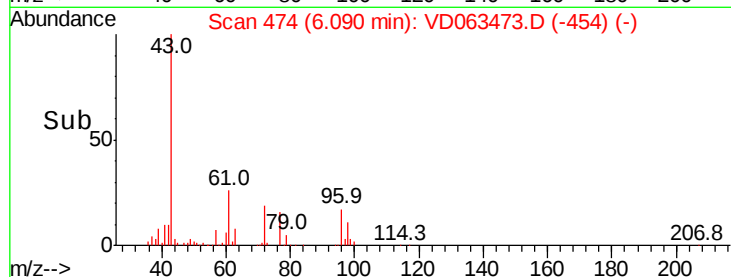
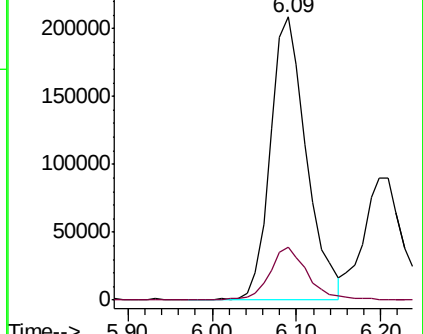
43 100

72 18.9 15.1 22.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 50.613 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD063473.D

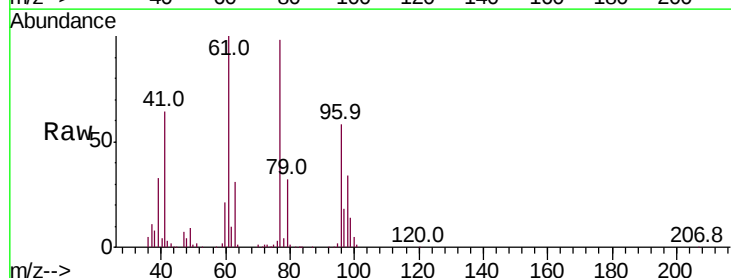
Acq: 9 Aug 2019 14:56

Tgt Ion: 77 Resp: 880030

Ion Ratio Lower Upper

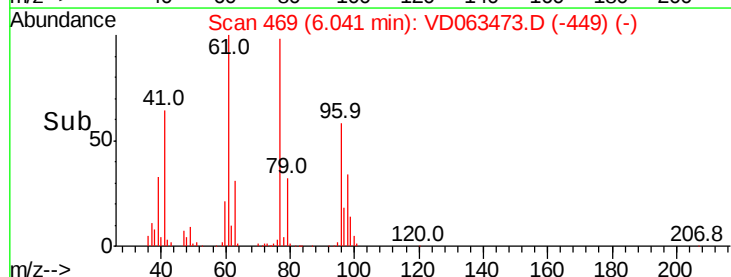
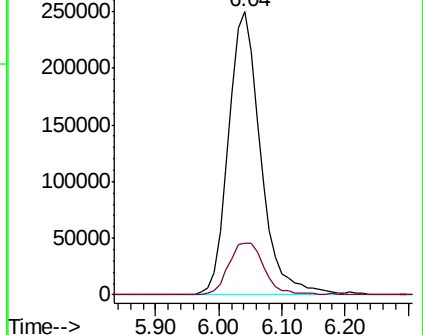
77 100

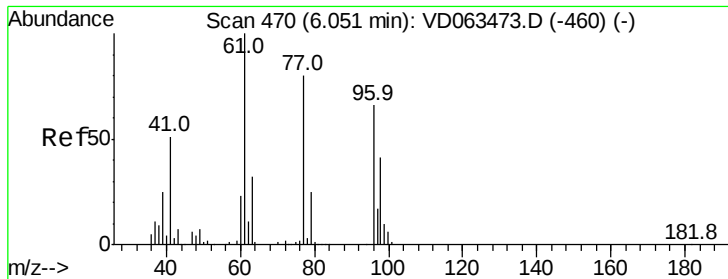
97 18.1 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



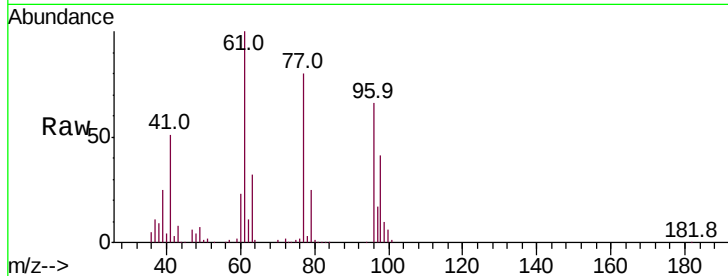


#27

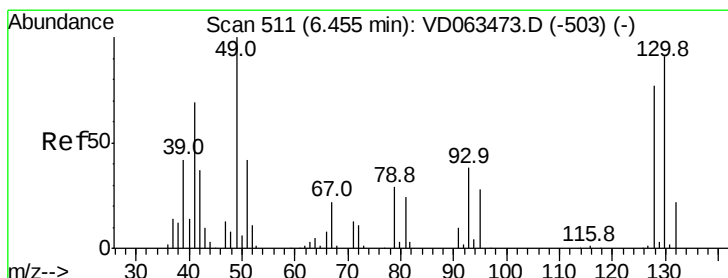
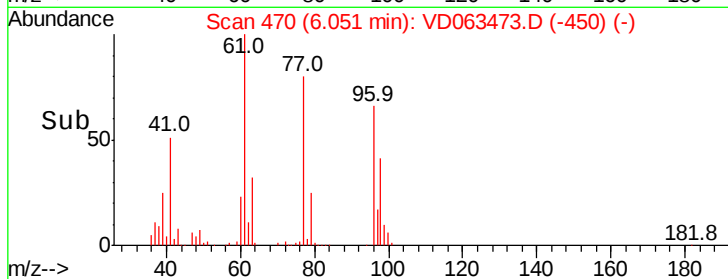
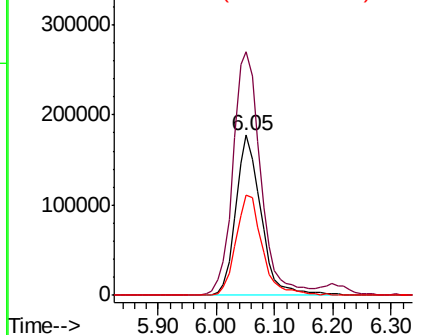
cis-1,2-Dichloroethene
Concen: 51.346 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.00 min
Lab File: VD063473.D
Acq: 9 Aug 2019 14:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	96	Resp	536353
Ion	Ratio	Lower	Upper
96	100		
61	152.0	0.0	304.0
98	62.4	0.0	124.8



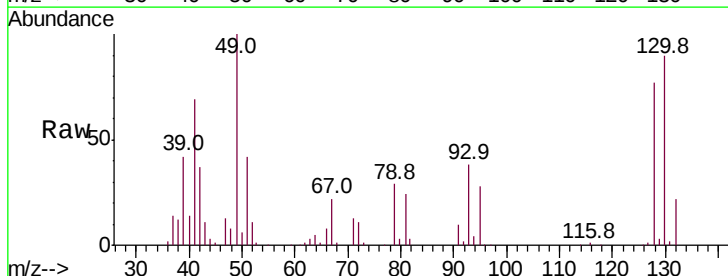
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



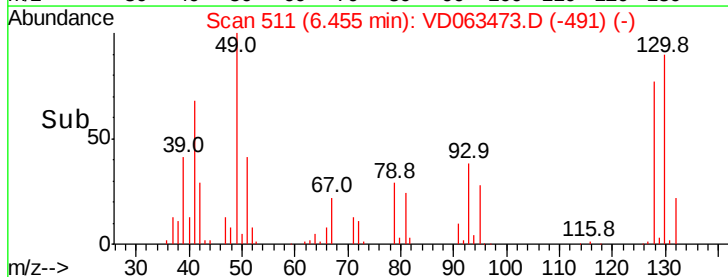
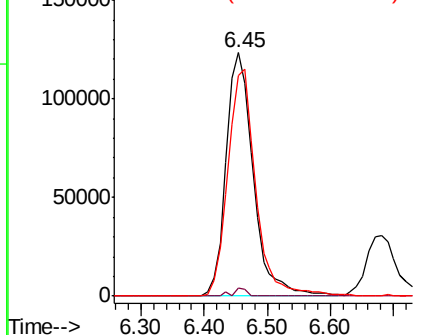
#28

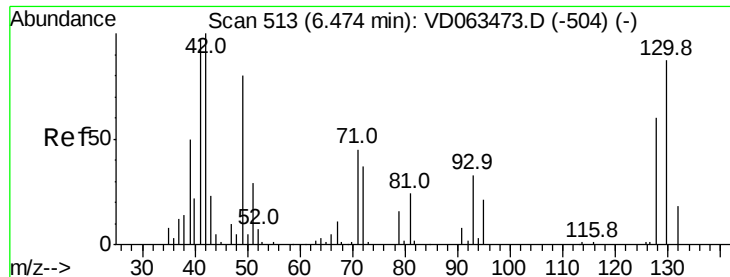
Bromochloromethane
Concen: 51.880 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.00 min
Lab File: VD063473.D
Acq: 9 Aug 2019 14:56

Tgt Ion	49	Resp	367059
Ion	Ratio	Lower	Upper
49	100		
129	3.2	0.0	6.4
130	90.5	72.4	108.6



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





#29

Tetrahydrofuran

Concen: 255.841 ug/l

RT: 6.47 min Scan# 513

Delta R.T. 0.00 min

Lab File: VD063473.D

Acq: 9 Aug 2019 14:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

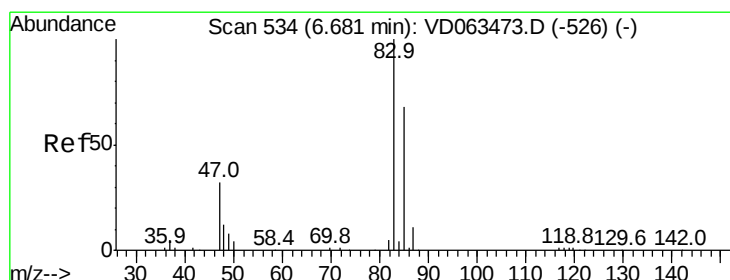
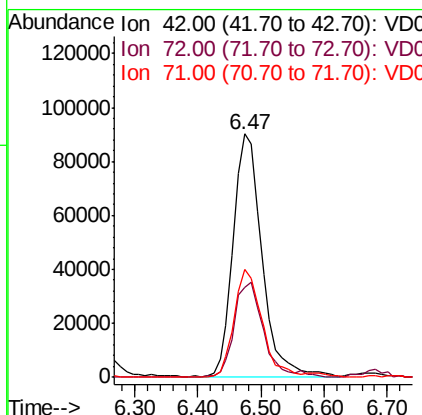
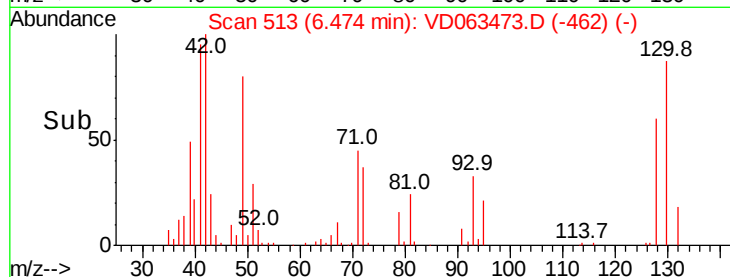
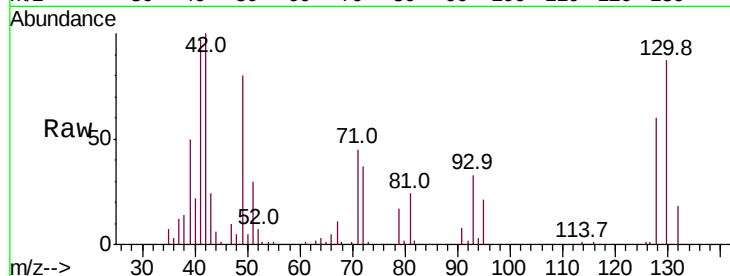
Tot Ion: 42 Resp: 287268

Ion Ratio Lower Upper

42 100

72 39.4 31.5 47.3

71 42.3 33.8 50.8



#30

Chloroform

Concen: 49.985 ug/l

RT: 6.68 min Scan# 534

Delta R.T. 0.00 min

Lab File: VD063473.D

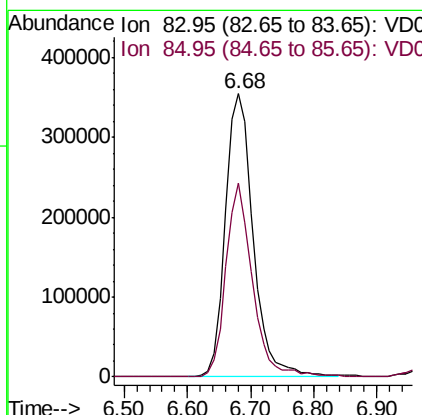
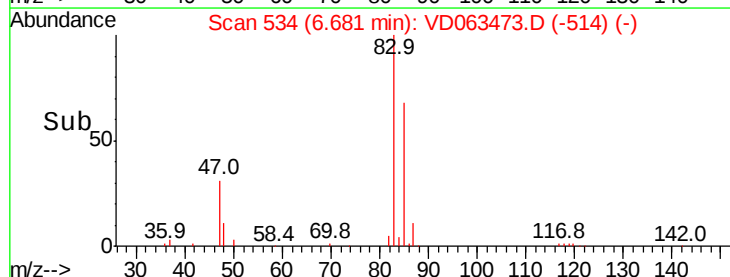
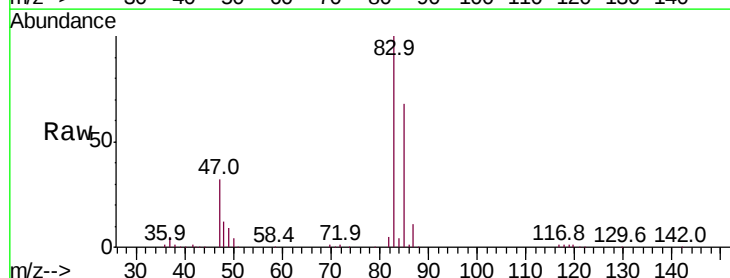
Acq: 9 Aug 2019 14:56

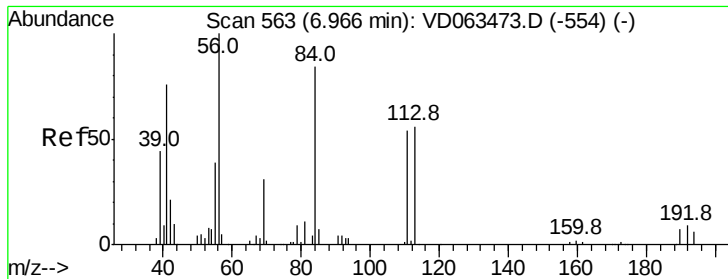
Tgt Ion: 83 Resp: 1084646

Ion Ratio Lower Upper

83 100

85 68.5 54.8 82.2

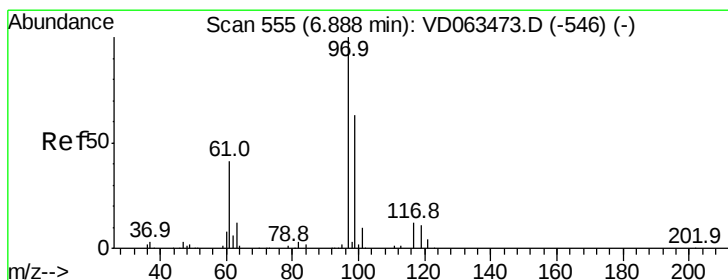
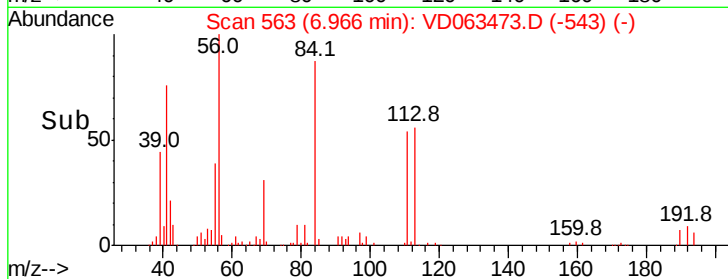
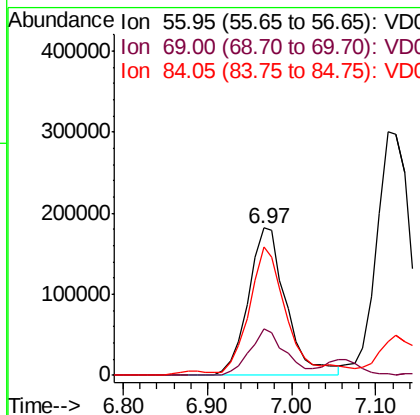
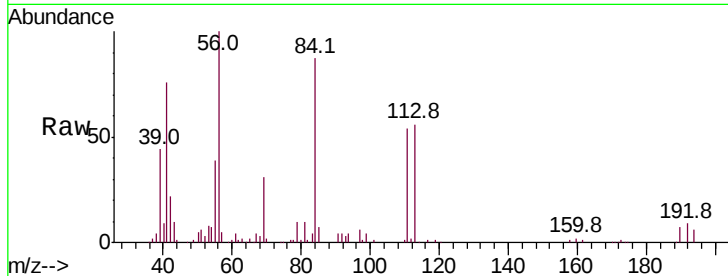




#31
Cvclohexane
Concen: 52.812 ug/l
RT: 6.97 min Scan# 563
Delta R.T. 0.00 min
Lab File: VD063473.D
Acq: 9 Aug 2019 14:56

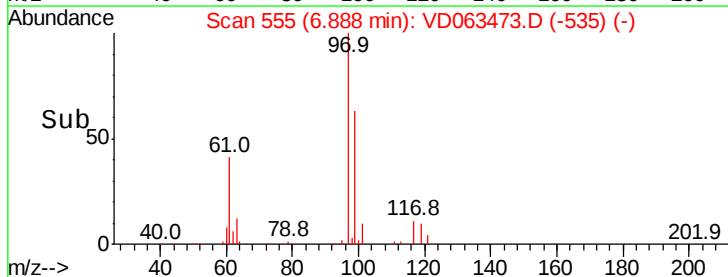
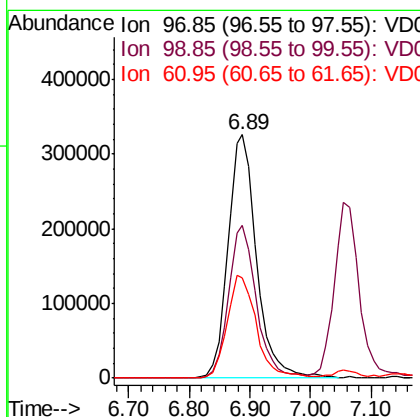
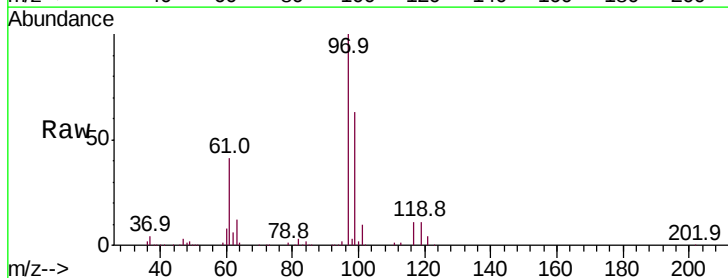
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

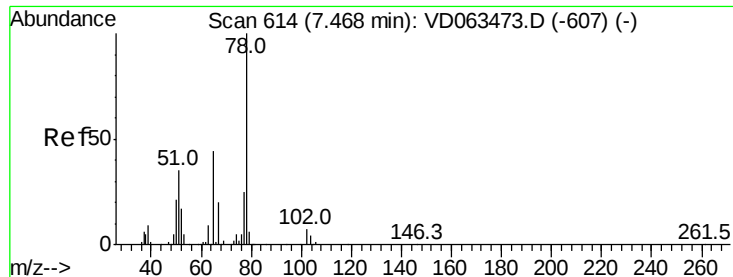
Tot Ion: 56 Resp: 572324
Ion Ratio Lower Upper
56 100
69 31.3 25.0 37.6
84 87.1 69.7 104.5



#32
1,1,1-Trichloroethane
Concen: 51.115 ug/l
RT: 6.89 min Scan# 555
Delta R.T. 0.00 min
Lab File: VD063473.D
Acq: 9 Aug 2019 14:56

Tgt Ion: 97 Resp: 1060969
Ion Ratio Lower Upper
97 100
99 62.8 50.2 75.4
61 41.4 33.1 49.7

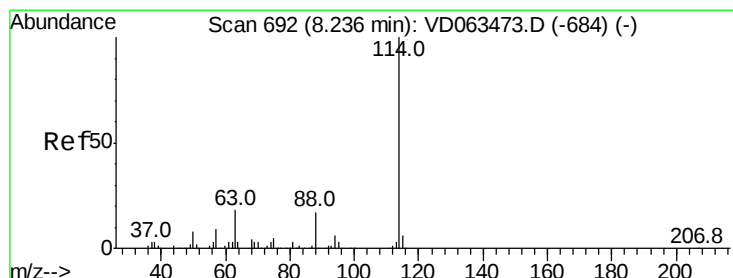
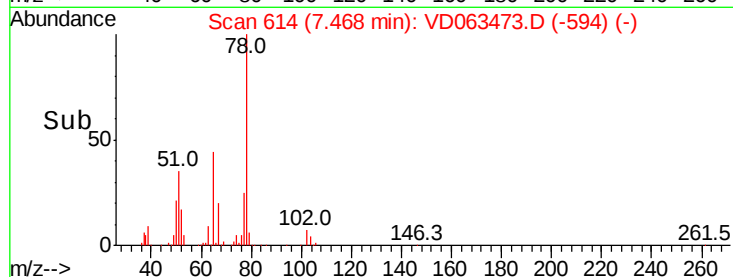
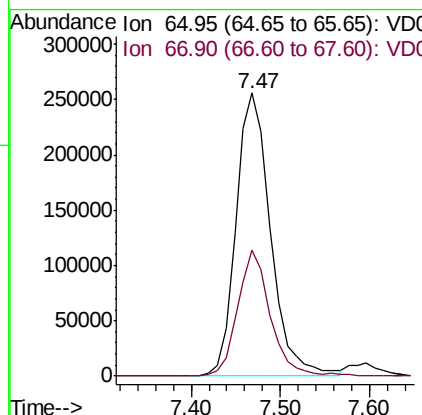
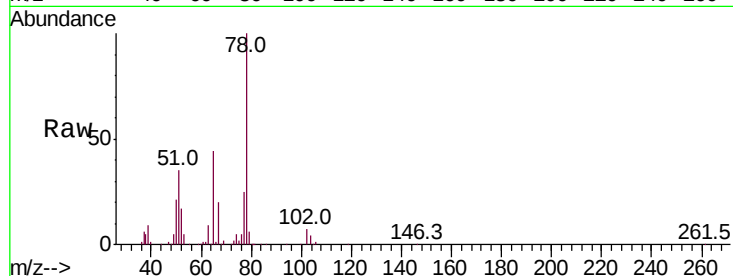




#33
 1,2-Dichloroethane-d4
 Concen: 57.480 ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.00 min
 Lab File: VD063473.D
 Acq: 9 Aug 2019 14:56

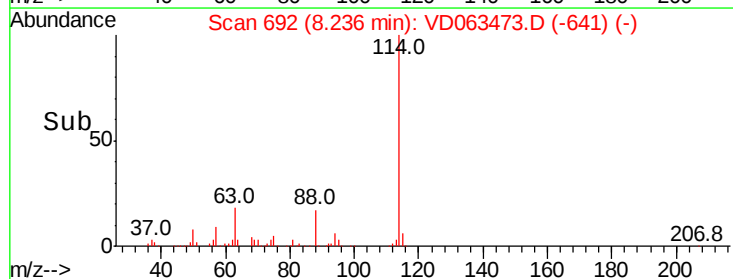
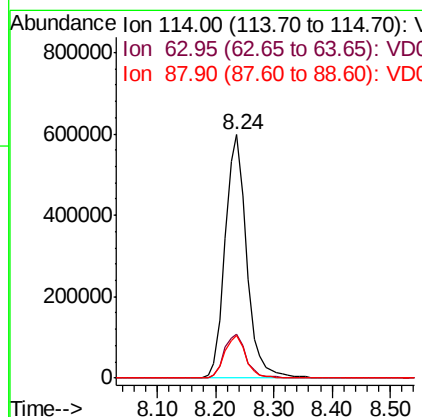
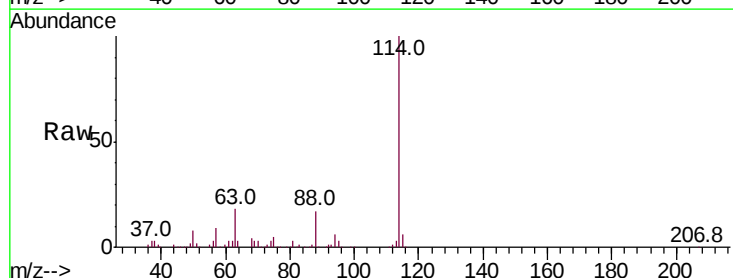
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

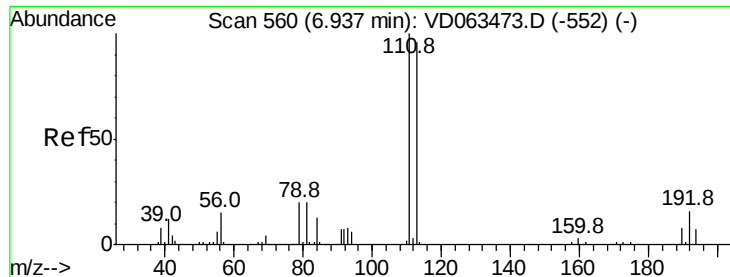
Tot Ion: 65 Resp: 689842
 Ion Ratio Lower Upper
 65 100
 67 44.6 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 692
 Delta R.T. 0.00 min
 Lab File: VD063473.D
 Acq: 9 Aug 2019 14:56

Tgt Ion: 114 Resp: 1534428
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 36.2
 88 17.5 0.0 35.0





#35

Dibromofluoromethane

Concen: 59.035 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD063473.D

Acq: 9 Aug 2019 14:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

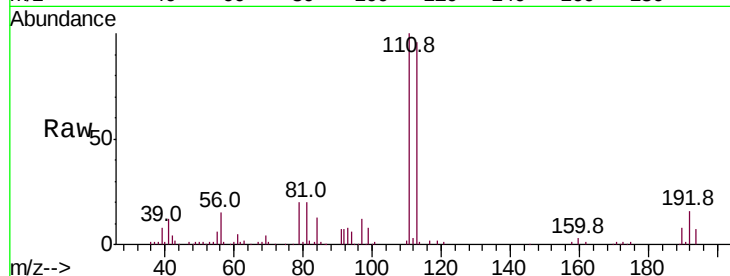
Tot Ion:113 Resp: 762914

Ion Ratio Lower Upper

113 100

111 103.9 83.1 124.7

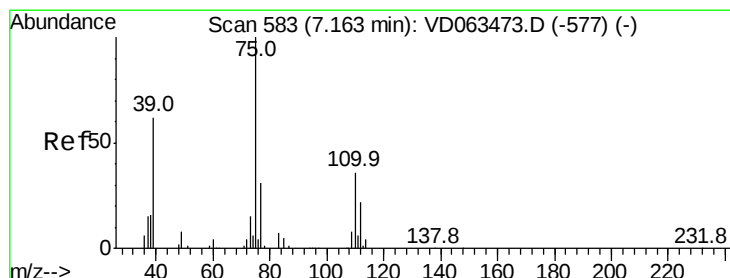
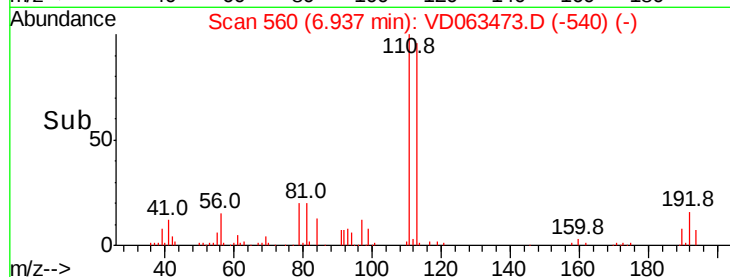
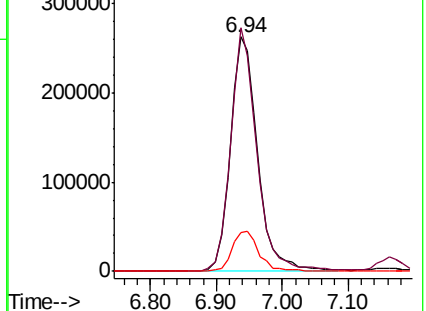
192 16.4 13.1 19.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 52.954 ug/l

RT: 7.16 min Scan# 583

Delta R.T. 0.00 min

Lab File: VD063473.D

Acq: 9 Aug 2019 14:56

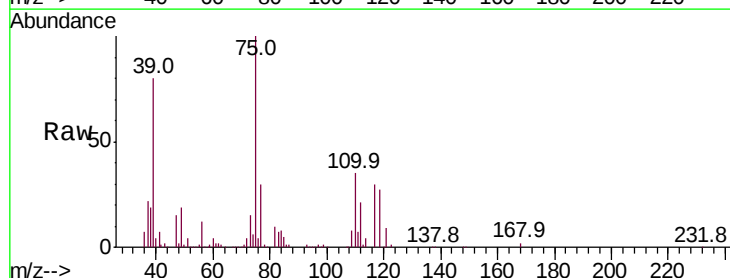
Tgt Ion: 75 Resp: 718299

Ion Ratio Lower Upper

75 100

110 35.2 17.6 52.8

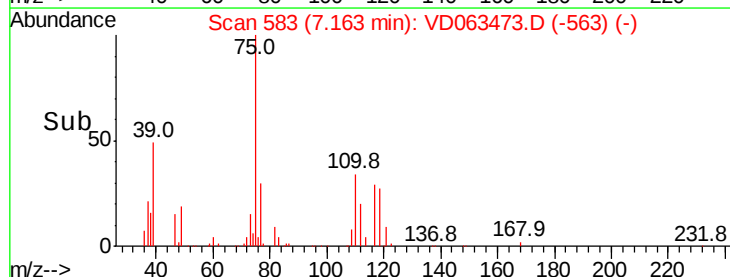
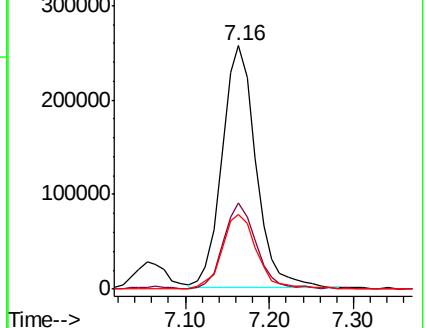
77 30.4 24.3 36.5

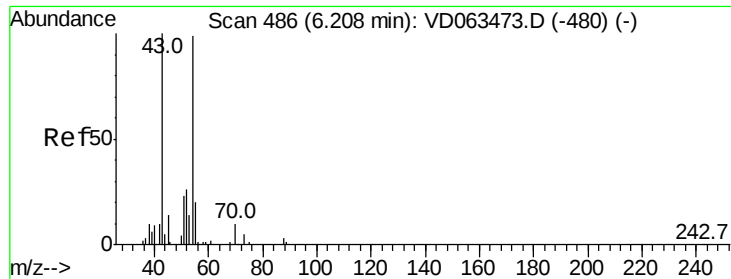


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

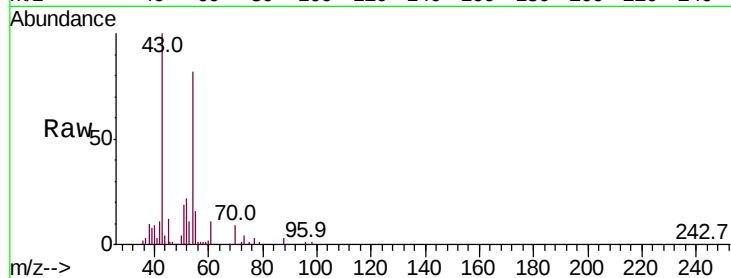




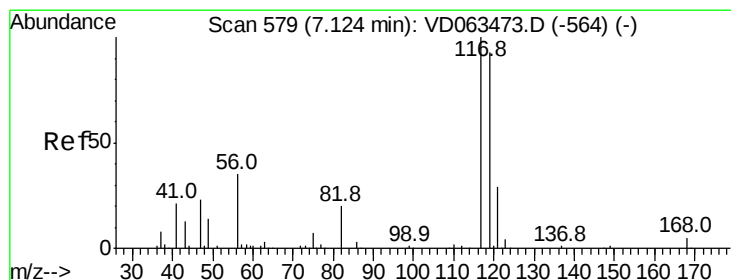
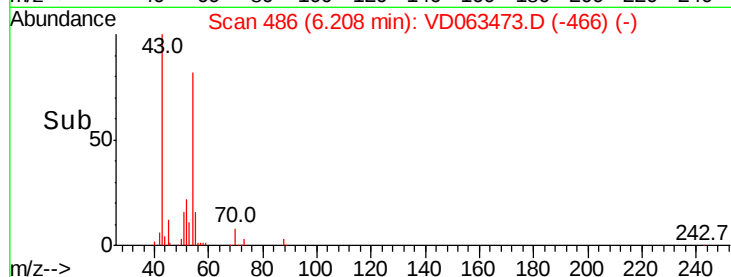
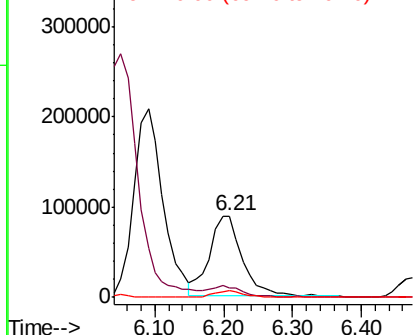
#37
Ethyl Acetate
Concen: 52.211 ug/l
RT: 6.21 min Scan# 486
Delta R.T. 0.00 min
Lab File: VD063473.D
Acq: 9 Aug 2019 14:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 296050
Ion Ratio Lower Upper
43 100
61 11.3 9.0 13.6
70 8.6 6.9 10.3

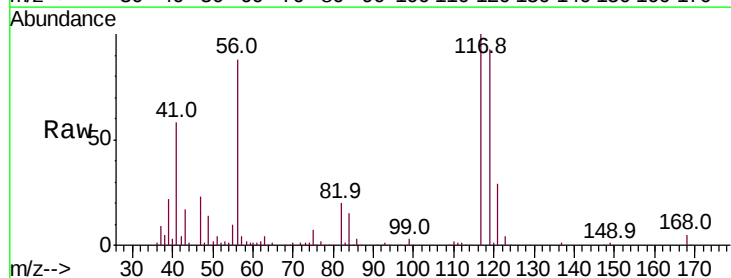


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

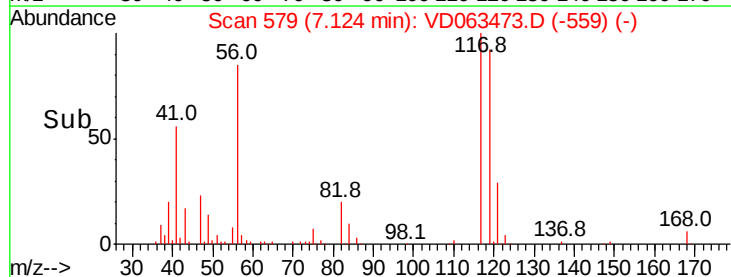
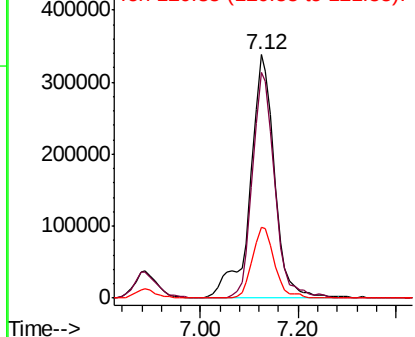


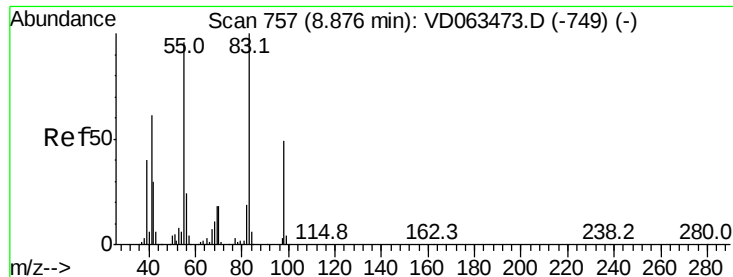
#38
Carbon Tetrachloride
Concen: 56.585 ug/l
RT: 7.12 min Scan# 579
Delta R.T. 0.00 min
Lab File: VD063473.D
Acq: 9 Aug 2019 14:56

Tgt Ion: 117 Resp: 1156798
Ion Ratio Lower Upper
117 100
119 92.7 74.2 111.2
121 28.9 23.1 34.7



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

Methvlcvclohexane

Concen: 55.233 ug/l

RT: 8.88 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD063473.D

Acq: 9 Aug 2019 14:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

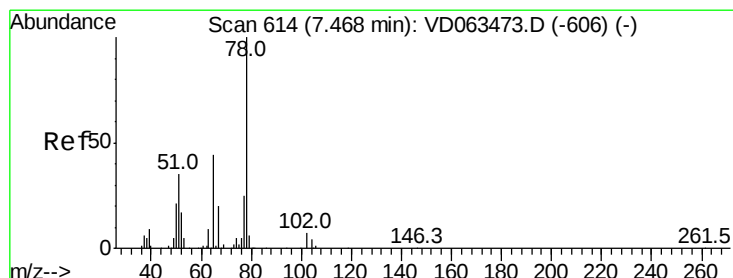
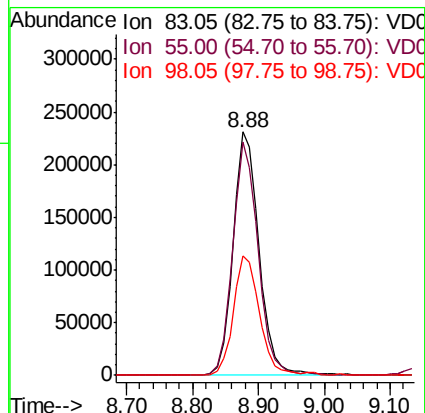
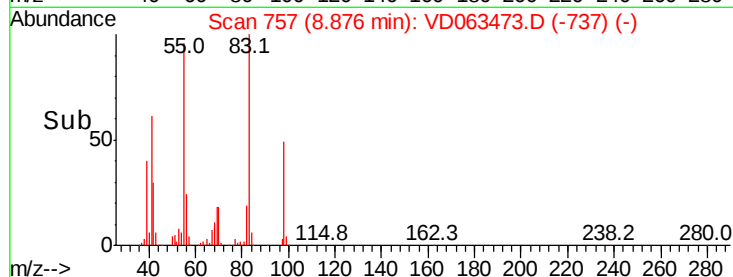
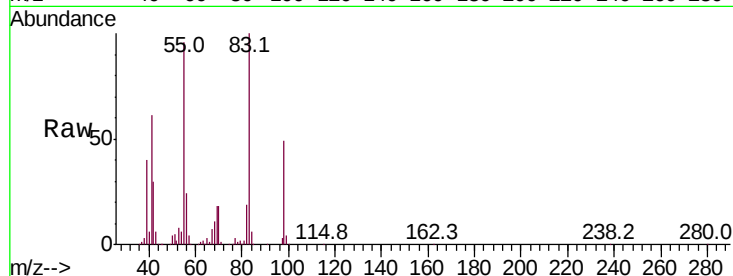
Tot Ion: 83 Resp: 637088

Ion Ratio Lower Upper

83 100

55 95.7 76.6 114.8

98 49.2 39.4 59.0



#40

Benzene

Concen: 53.631 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.00 min

Lab File: VD063473.D

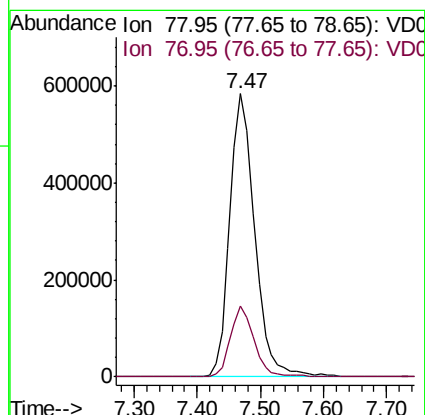
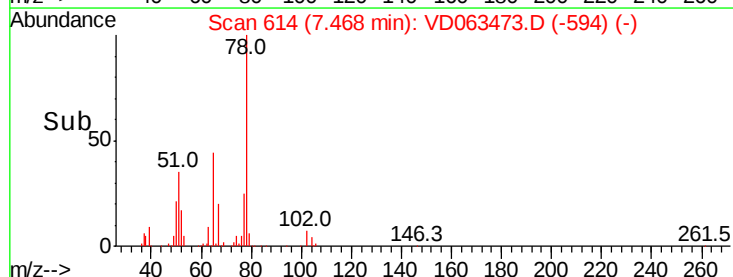
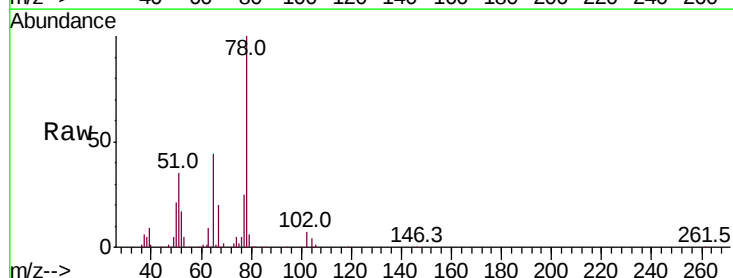
Acq: 9 Aug 2019 14:56

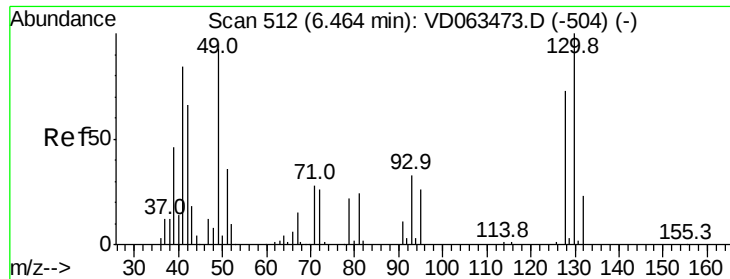
Tgt Ion: 78 Resp: 1600945

Ion Ratio Lower Upper

78 100

77 25.1 20.1 30.1

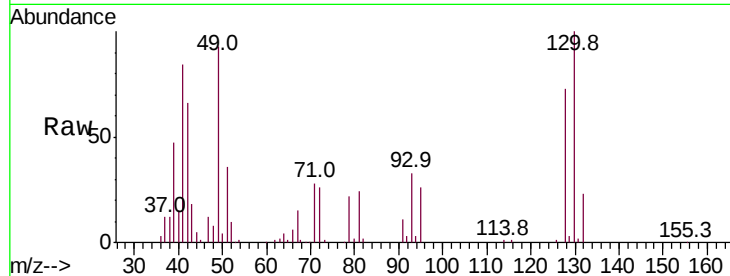




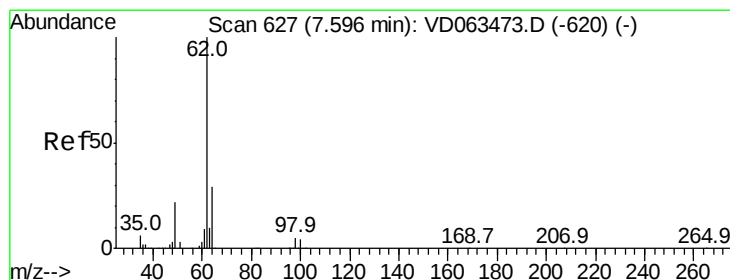
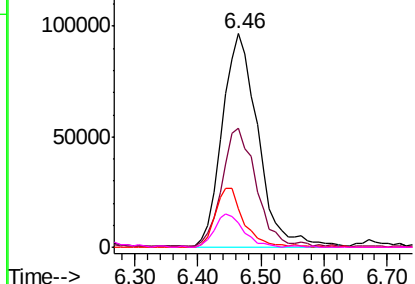
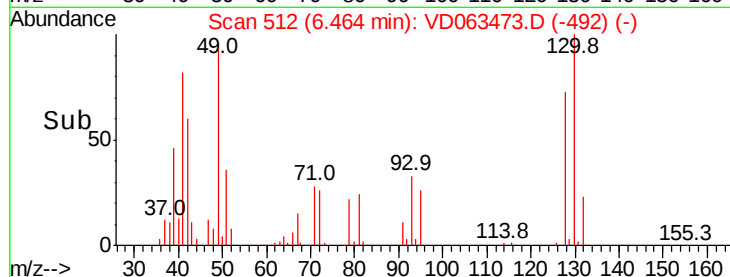
#41
Methacrylonitrile
Concen: 53.336 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.00 min
Lab File: VD063473.D
Acq: 9 Aug 2019 14:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:	41	Resp:	381715
Ion	Ratio	Lower	Upper
41	100		
39	55.7	44.6	66.8
67	18.0	14.4	21.6
52	11.6	9.3	13.9

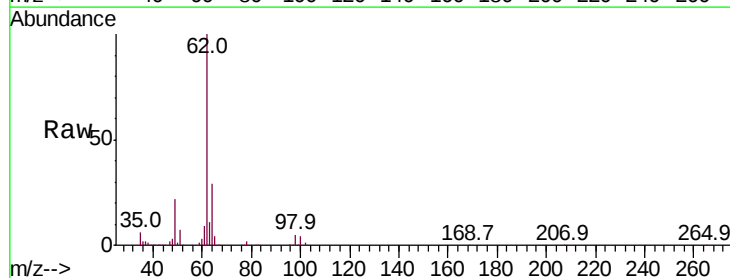


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

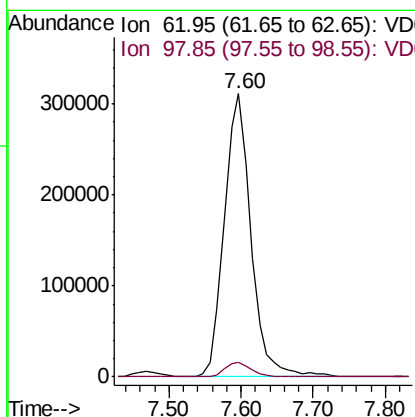
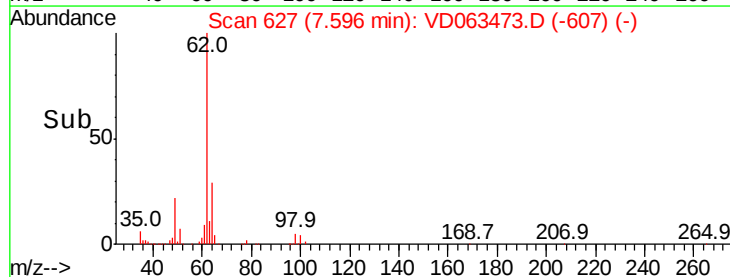


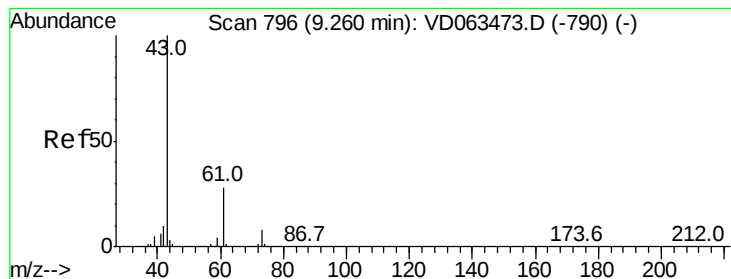
#42
1,2-Dichloroethane
Concen: 53.246 ug/l
RT: 7.60 min Scan# 627
Delta R.T. 0.00 min
Lab File: VD063473.D
Acq: 9 Aug 2019 14:56

Tgt Ion:	62	Resp:	799214
Ion	Ratio	Lower	Upper
62	100		
98	5.2	0.0	10.4



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



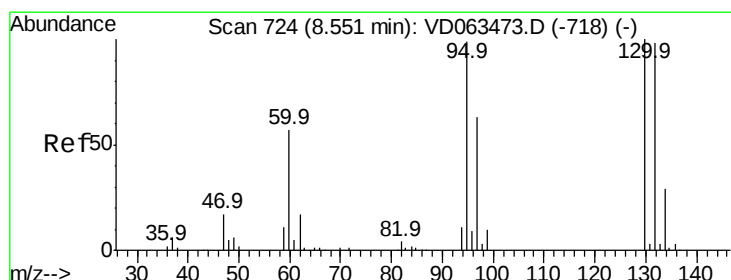
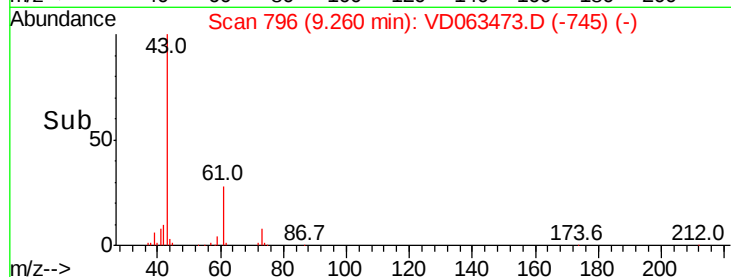
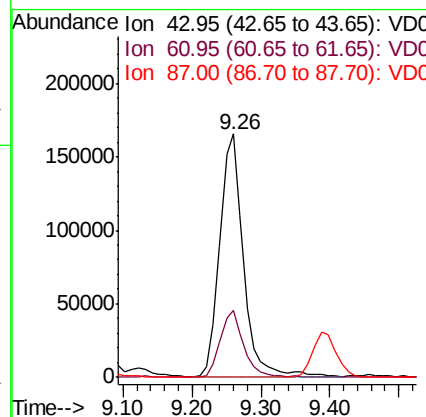
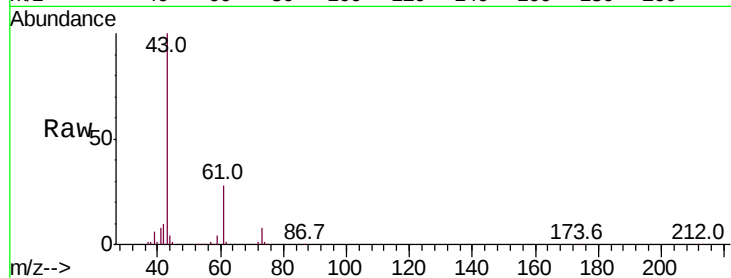


#43

Isopropyl Acetate
 Concen: 52.281 ug/l
 RT: 9.26 min Scan# 796
 Delta R.T. 0.00 min
 Lab File: VD063473.D
 Acq: 9 Aug 2019 14:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

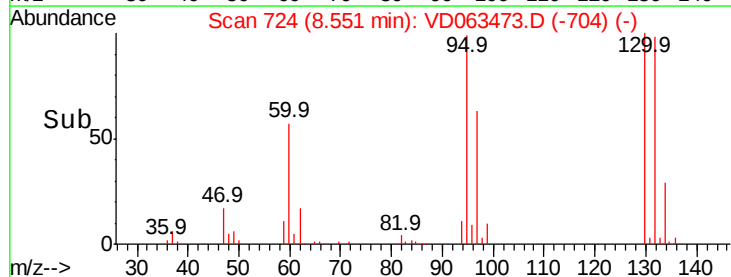
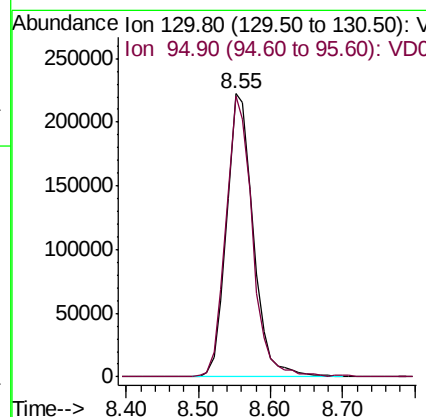
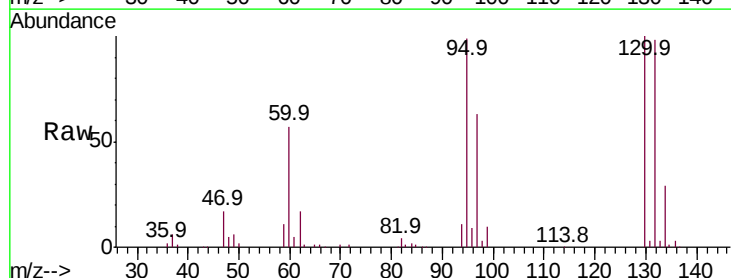
Tot Ion: 43 Resp: 398003
 Ion Ratio Lower Upper
 43 100
 61 27.7 22.2 33.2
 87 0.3 0.2 0.4

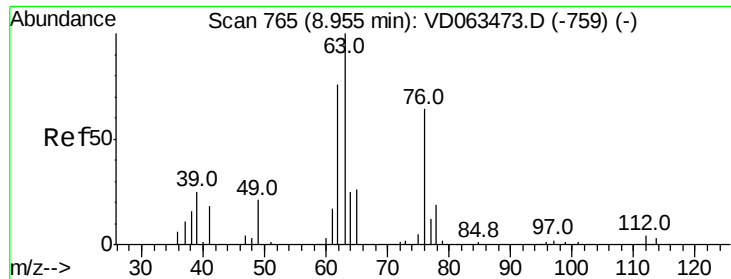


#44

Trichloroethene
 Concen: 49.994 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.00 min
 Lab File: VD063473.D
 Acq: 9 Aug 2019 14:56

Tgt Ion: 130 Resp: 570573
 Ion Ratio Lower Upper
 130 100
 95 99.0 0.0 198.0





#45

1,2-Dichloropropane

Concen: 51.347 ug/l

RT: 8.95 min Scan# 765

Delta R.T. 0.00 min

Lab File: VD063473.D

Acq: 9 Aug 2019 14:56

Instrument :

MSVOA_D

ClientSampleId :

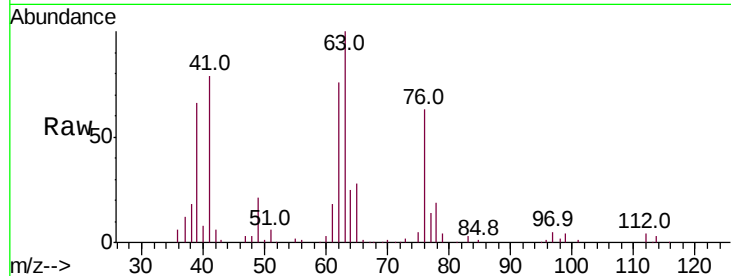
VSTDICCC050

Tot Ion: 63 Resp: 356941

Ion Ratio Lower Upper

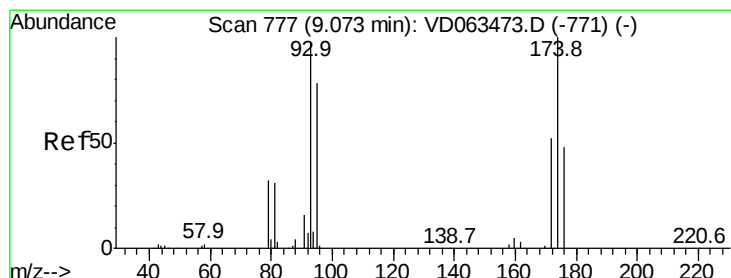
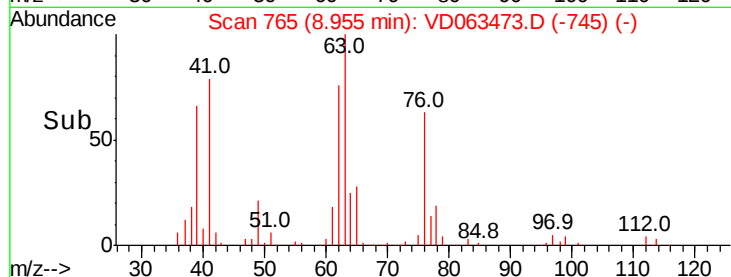
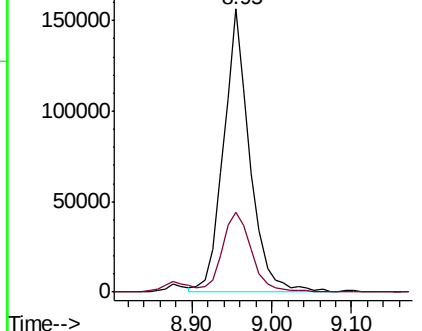
63 100

65 28.1 22.5 33.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 53.728 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.00 min

Lab File: VD063473.D

Acq: 9 Aug 2019 14:56

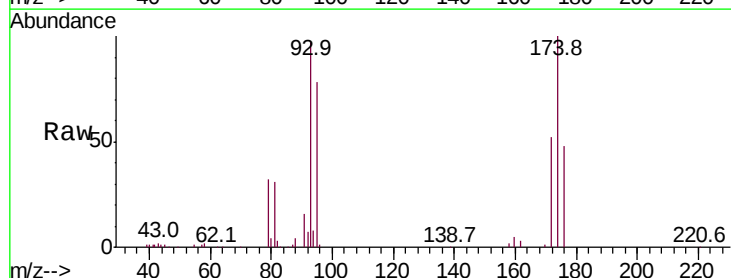
Tgt Ion: 93 Resp: 318958

Ion Ratio Lower Upper

93 100

95 80.2 64.2 96.2

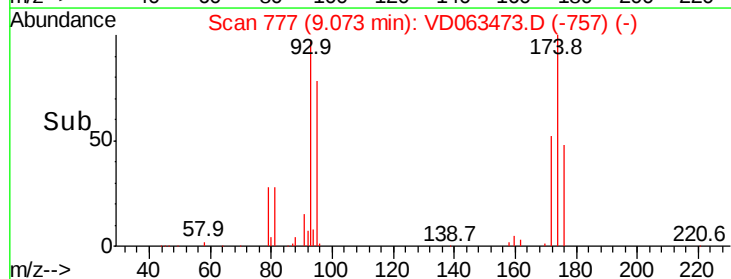
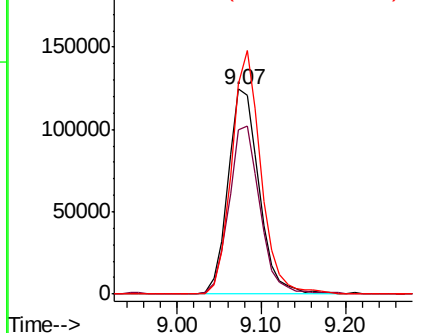
174 102.6 82.1 123.1

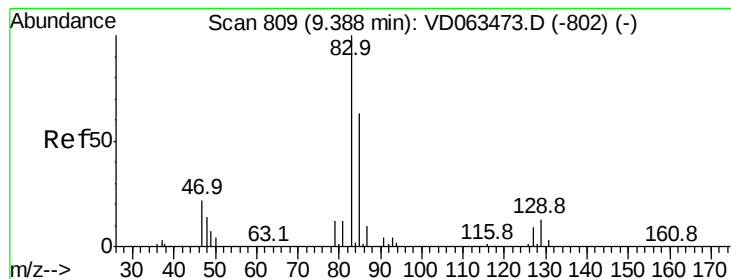


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 51.440 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.00 min

Lab File: VD063473.D

Acq: 9 Aug 2019 14:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

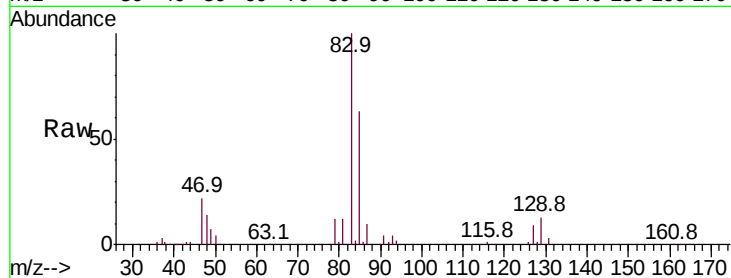
Tot Ion: 83 Resp: 783320

Ion	Ratio	Lower	Upper
83	100		
85	62.6	50.1	75.1
127	9.5	7.6	11.4

83 100

85 62.6 50.1 75.1

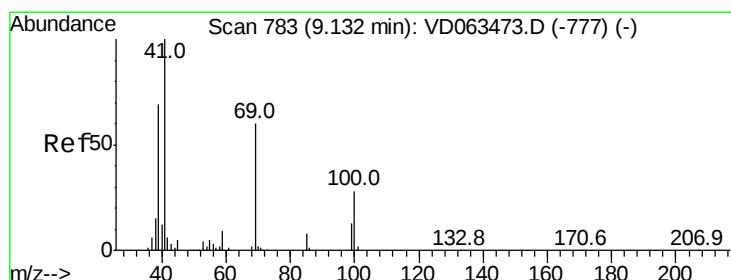
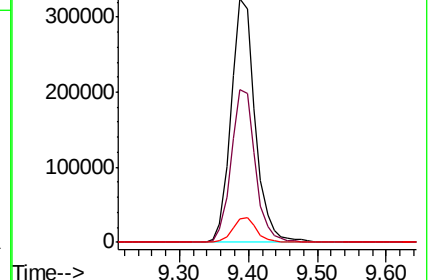
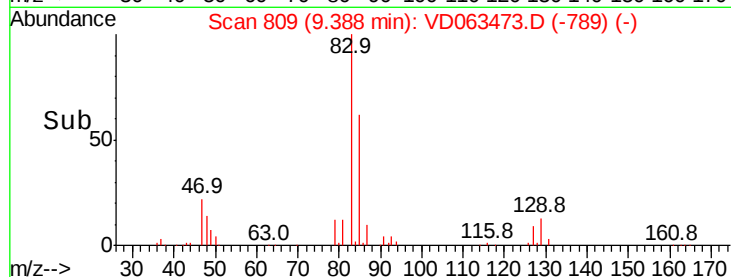
127 9.5 7.6 11.4



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: 52.232 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.00 min

Lab File: VD063473.D

Acq: 9 Aug 2019 14:56

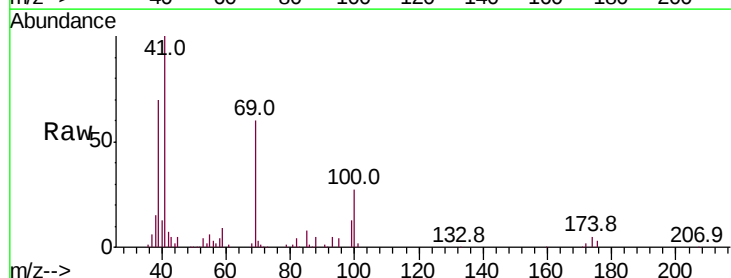
Tgt Ion: 41 Resp: 269660

Ion	Ratio	Lower	Upper
41	100		
69	59.5	47.6	71.4
39	69.6	55.7	83.5

41 100

69 59.5 47.6 71.4

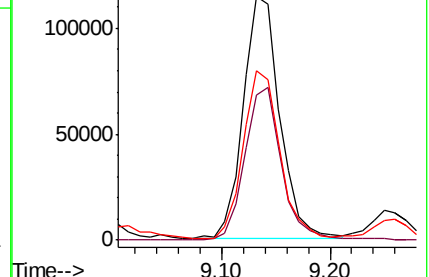
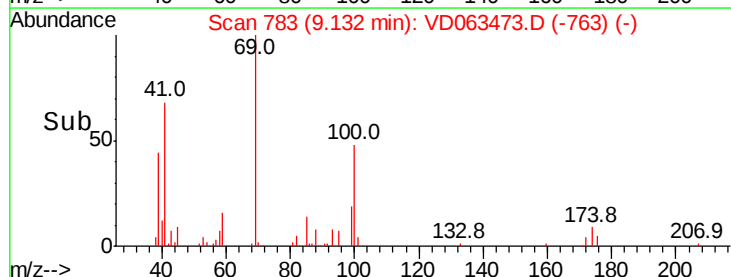
39 69.6 55.7 83.5

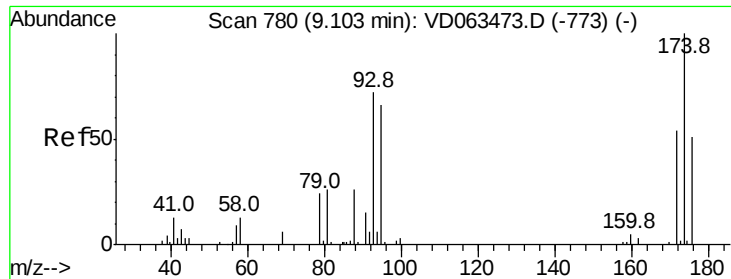


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 1083.364 ug/l

RT: 9.10 min Scan# 780

Delta R.T. 0.00 min

Lab File: VD063473.D

Acq: 9 Aug 2019 14:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

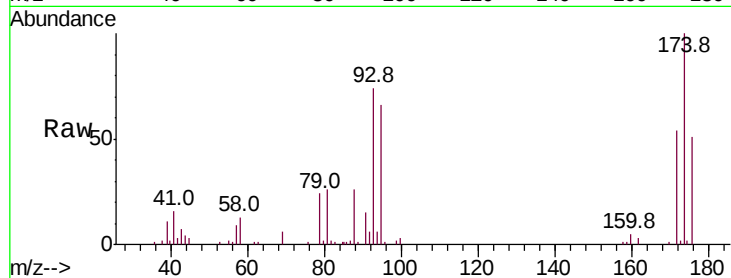
Tot Ion: 88 Resp: 47594

Ion Ratio Lower Upper

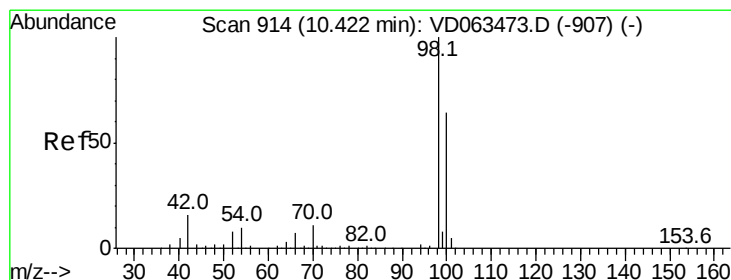
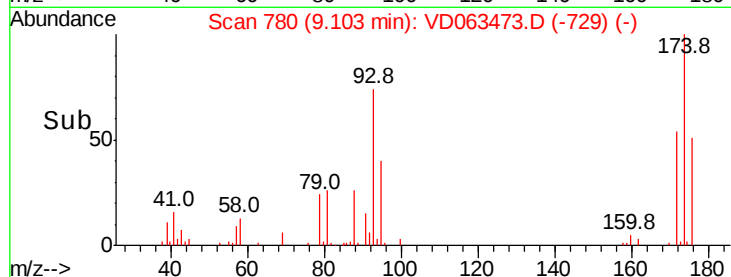
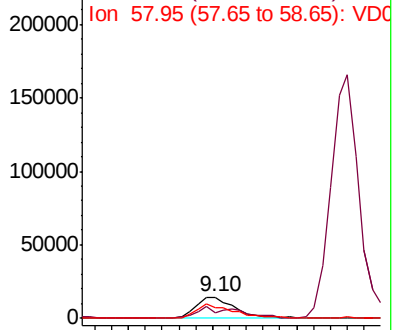
88 100

43 28.6 22.9 34.3

58 50.1 40.1 60.1



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: 60.919 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.00 min

Lab File: VD063473.D

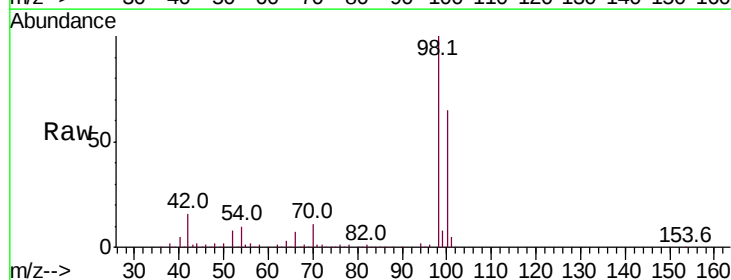
Acq: 9 Aug 2019 14:56

Tgt Ion: 98 Resp: 1730831

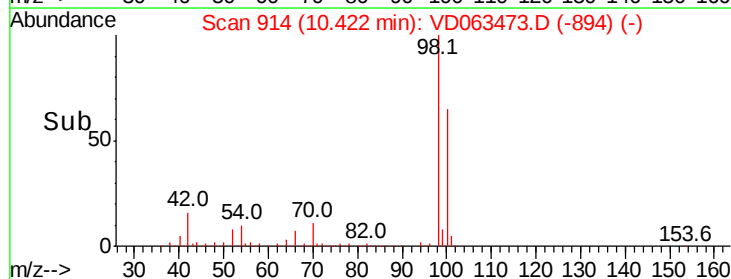
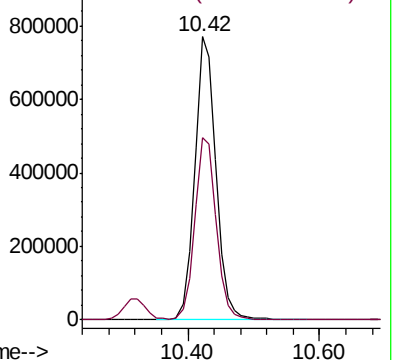
Ion Ratio Lower Upper

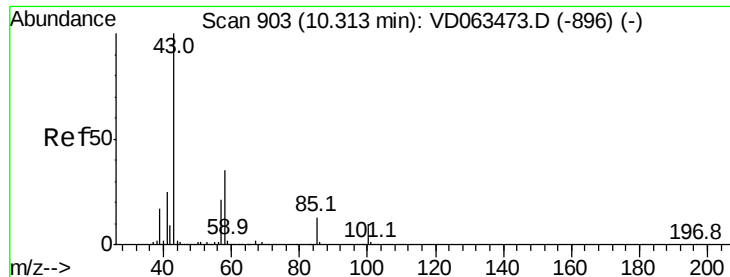
98 100

100 64.6 51.7 77.5



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: 249.522 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.00 min

Lab File: VD063473.D

Acq: 9 Aug 2019 14:56

Instrument :

MSVOA_D

ClientSampleId :

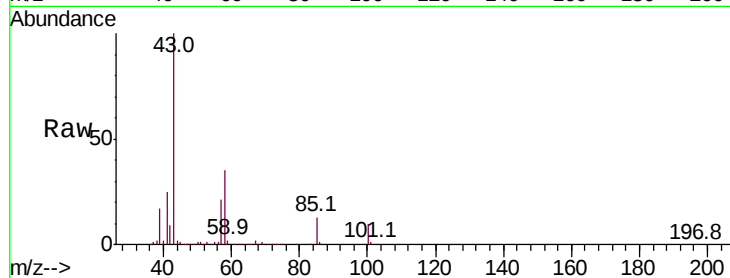
VSTDICCC050

Tot Ion: 43 Resp: 1299803

Ion Ratio Lower Upper

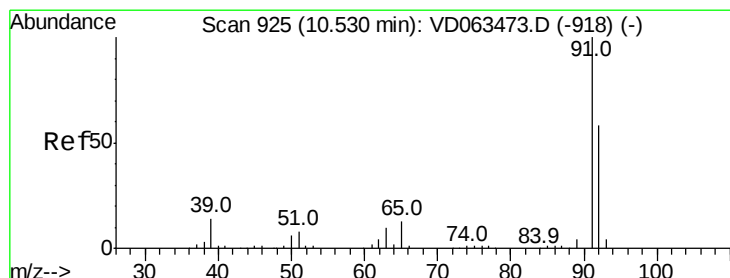
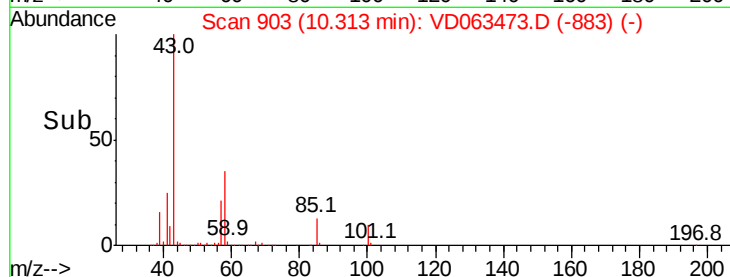
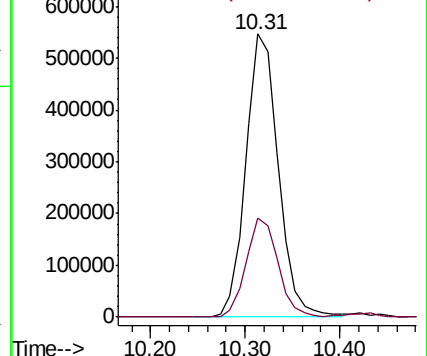
43 100

58 35.0 28.0 42.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 50.080 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.00 min

Lab File: VD063473.D

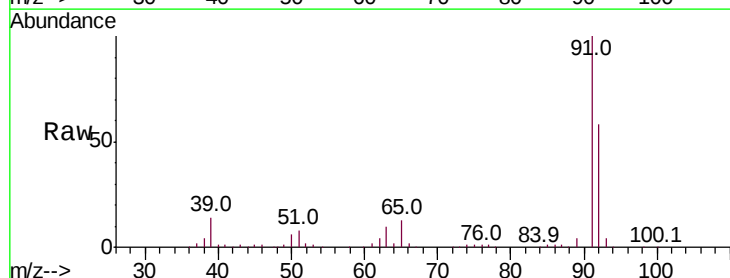
Acq: 9 Aug 2019 14:56

Tgt Ion: 92 Resp: 962878

Ion Ratio Lower Upper

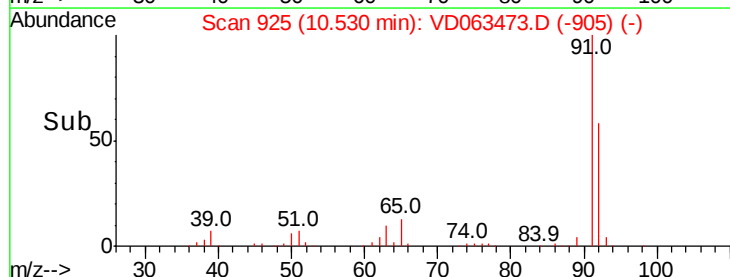
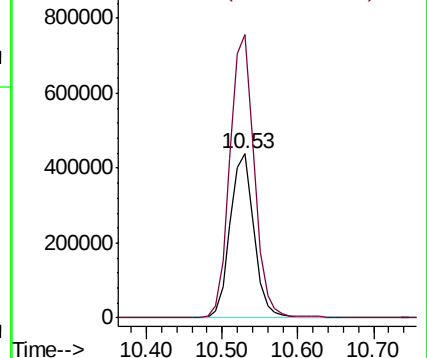
92 100

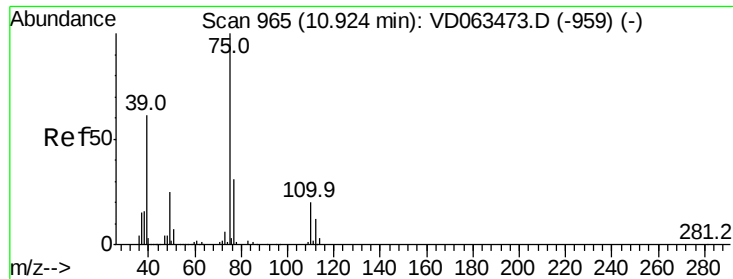
91 172.4 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

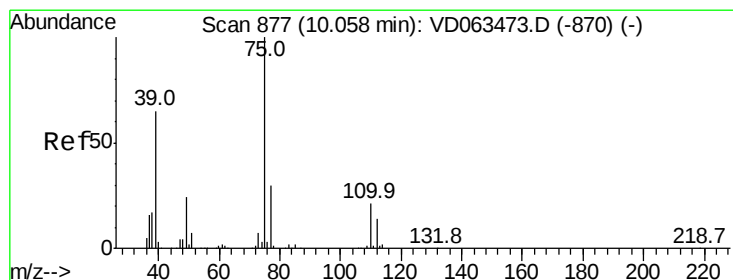
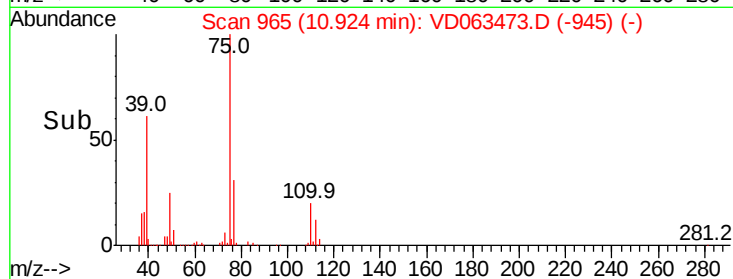
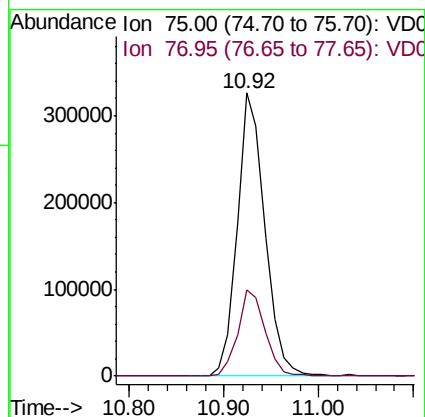
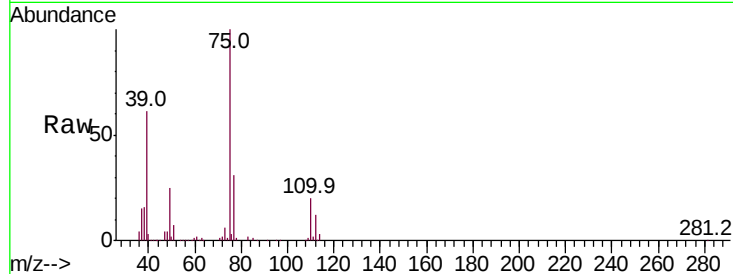




#53
 t-1,3-Dichloropropene
 Concen: 53.071 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VD063473.D
 Acq: 9 Aug 2019 14:56

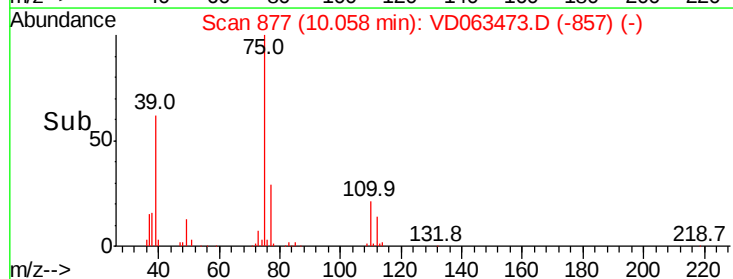
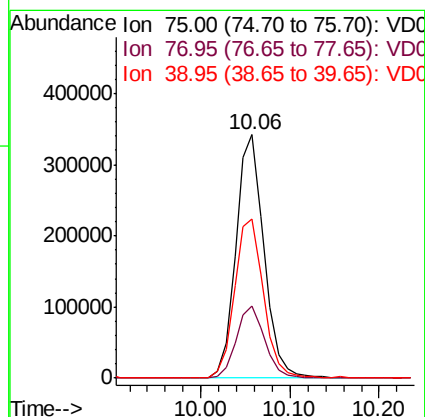
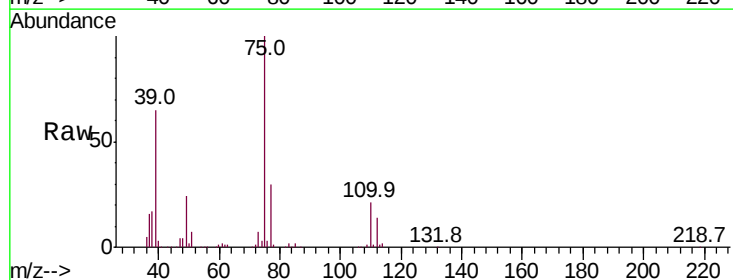
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

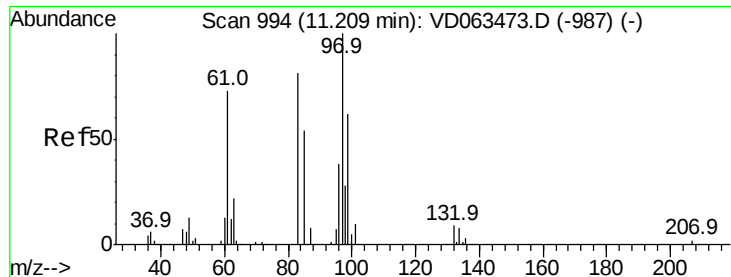
Tot Ion: 75 Resp: 659537
 Ion Ratio Lower Upper
 75 100
 77 30.6 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 53.660 ug/l
 RT: 10.06 min Scan# 877
 Delta R.T. 0.00 min
 Lab File: VD063473.D
 Acq: 9 Aug 2019 14:56

Tgt Ion: 75 Resp: 751923
 Ion Ratio Lower Upper
 75 100
 77 29.6 23.7 35.5
 39 65.3 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 51.213 ug/l

RT: 11.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VD063473.D

Acq: 9 Aug 2019 14:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 97 Resp: 332615

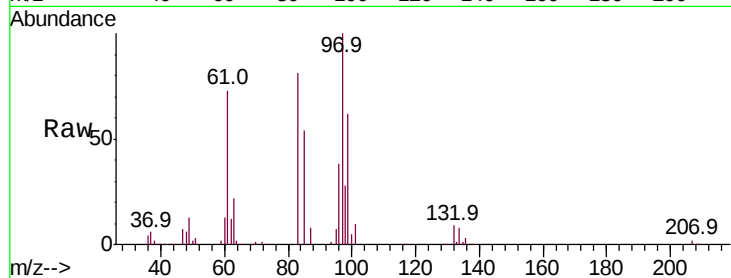
Ion Ratio Lower Upper

97 100

83 80.9 64.7 97.1

85 53.6 42.9 64.3

99 62.1 49.7 74.5

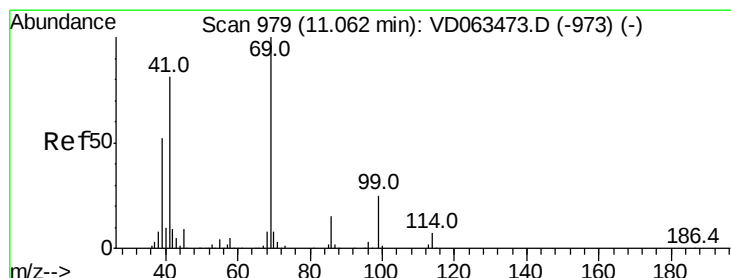
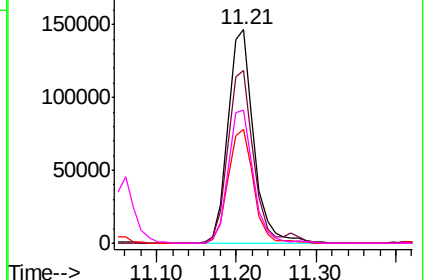
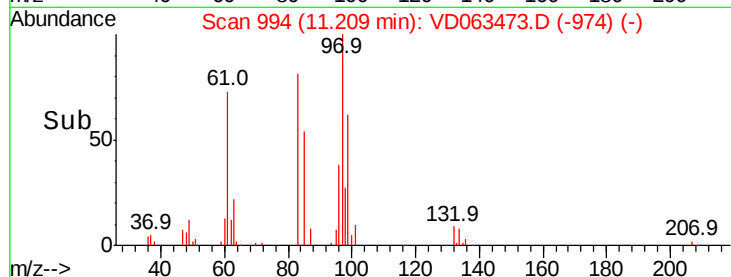


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 53.858 ug/l

RT: 11.06 min Scan# 979

Delta R.T. 0.00 min

Lab File: VD063473.D

Acq: 9 Aug 2019 14:56

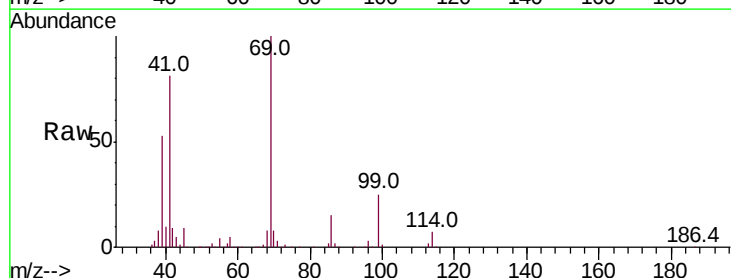
Tgt Ion: 69 Resp: 379664

Ion Ratio Lower Upper

69 100

41 81.0 64.8 97.2

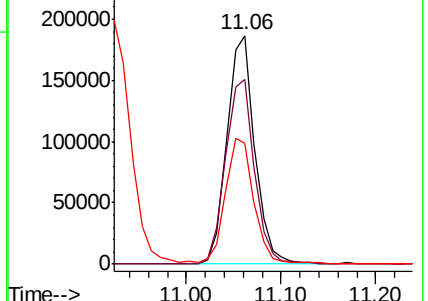
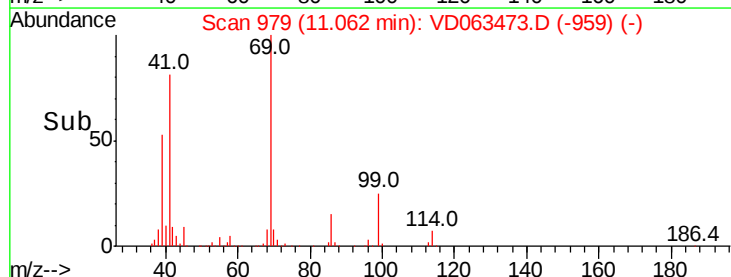
39 53.0 42.4 63.6

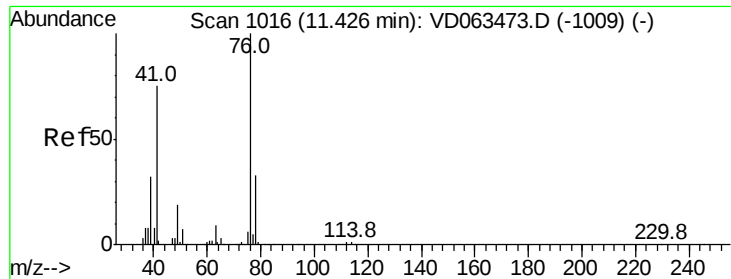


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 52.260 ug/l

RT: 11.43 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VD063473.D

Acq: 9 Aug 2019 14:56

Instrument :

MSVOA_D

ClientSampleId :

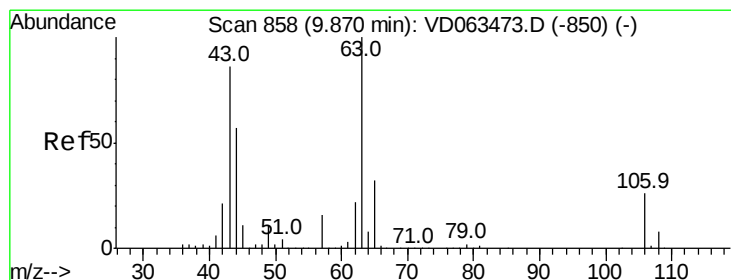
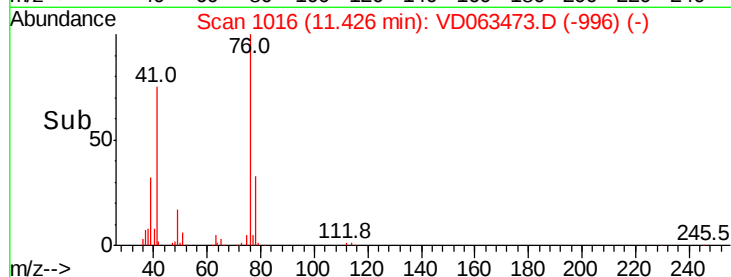
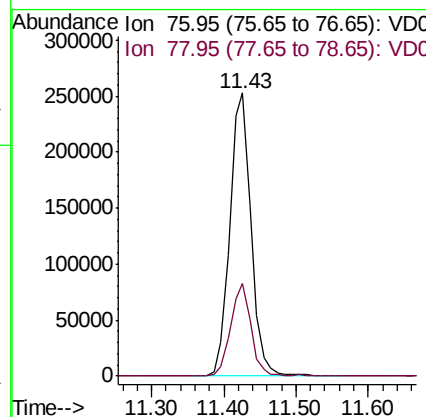
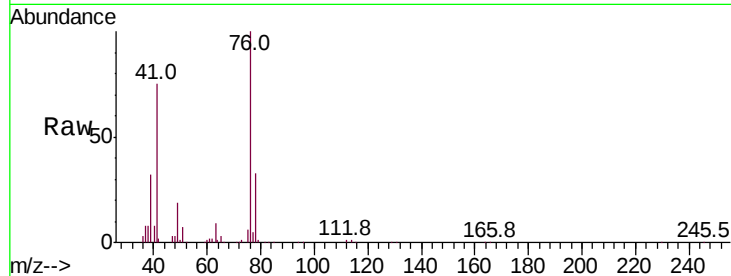
VSTDICCC050

Tot Ion: 76 Resp: 513061

Ion Ratio Lower Upper

76 100

78 32.9 26.3 39.5



#58

2-Chloroethyl Vinyl ether

Concen: 289.518 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.00 min

Lab File: VD063473.D

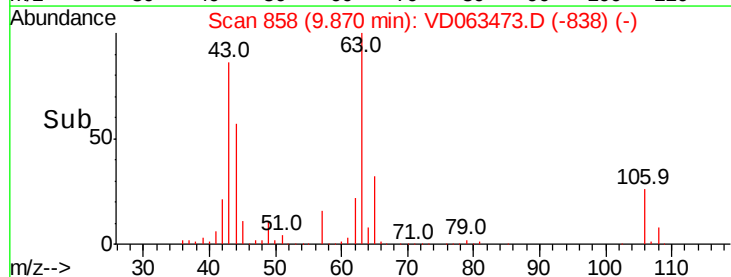
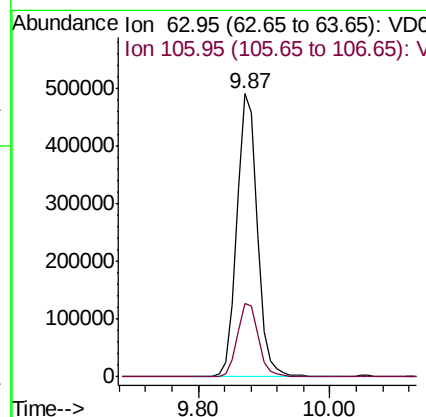
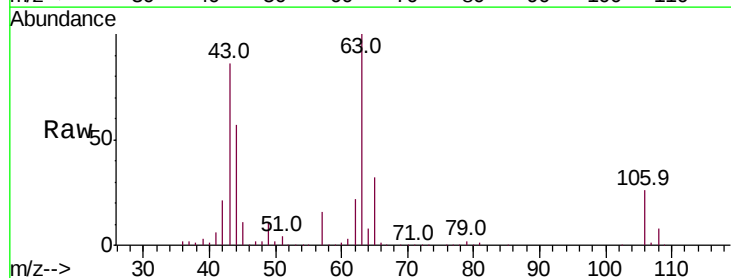
Acq: 9 Aug 2019 14:56

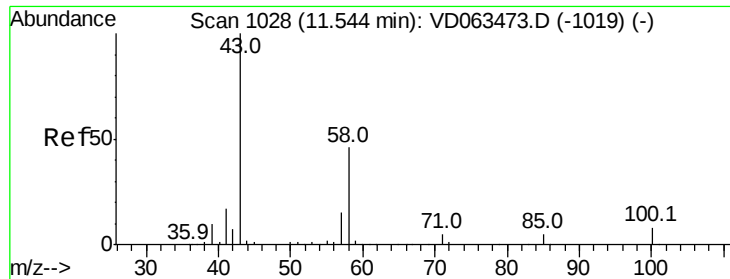
Tgt Ion: 63 Resp: 1077475

Ion Ratio Lower Upper

63 100

106 26.0 20.8 31.2

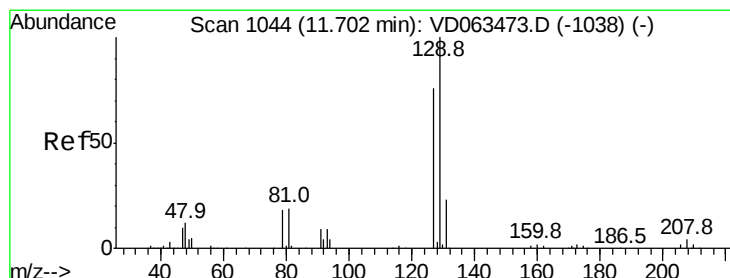
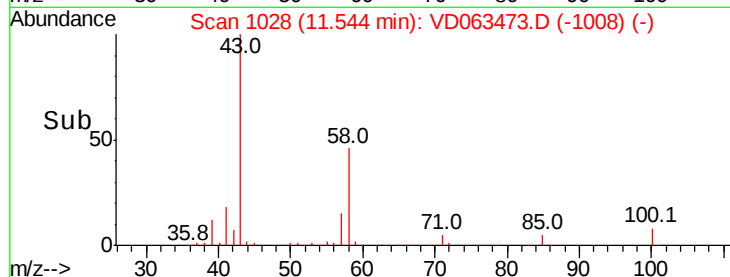
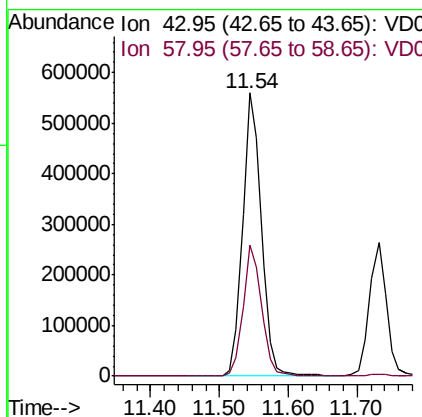
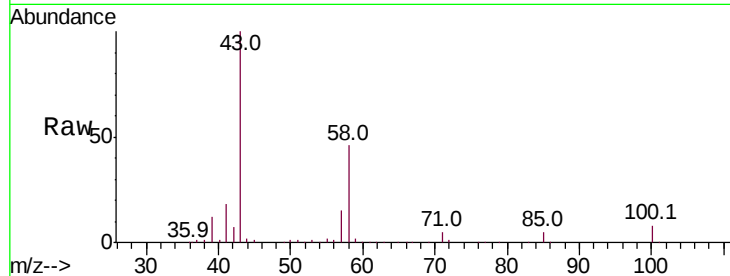




#59
2-Hexanone
Concen: 278.765 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.00 min
Lab File: VD063473.D
Acq: 9 Aug 2019 14:56

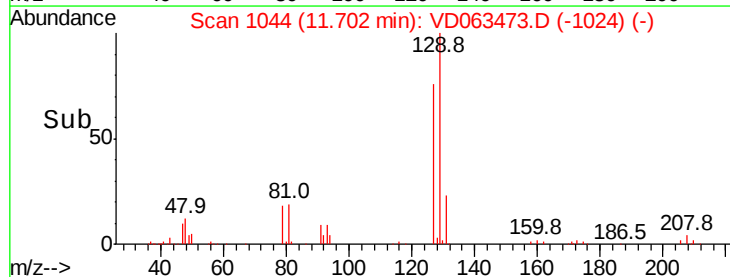
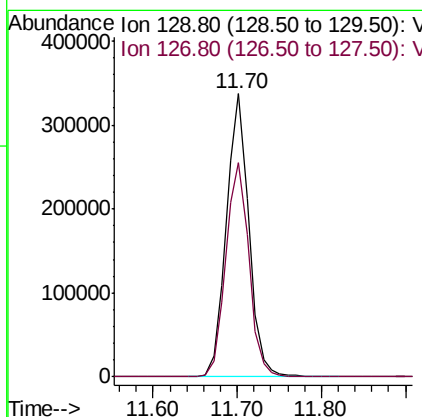
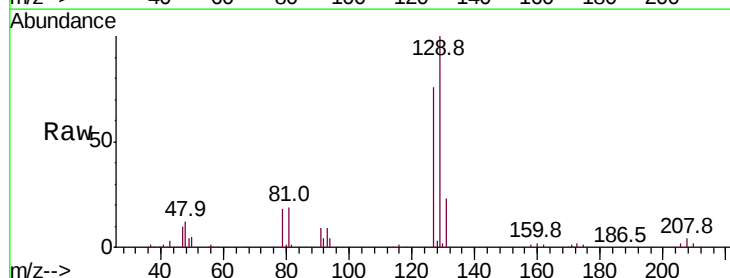
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

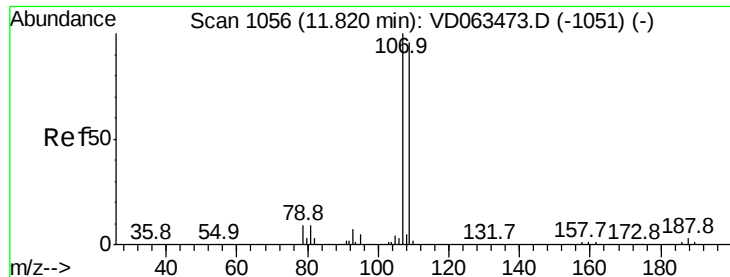
Tot Ion: 43 Resp: 1056612
Ion Ratio Lower Upper
43 100
58 46.1 23.1 69.2



#60
Dibromochloromethane
Concen: 52.822 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VD063473.D
Acq: 9 Aug 2019 14:56

Tgt Ion: 129 Resp: 624266
Ion Ratio Lower Upper
129 100
127 75.6 37.8 113.4

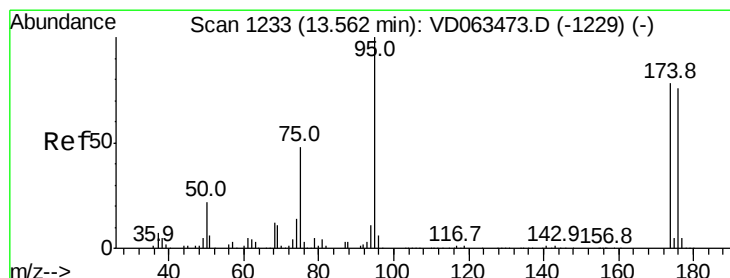
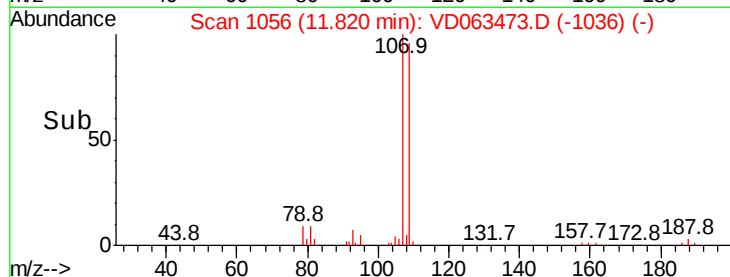
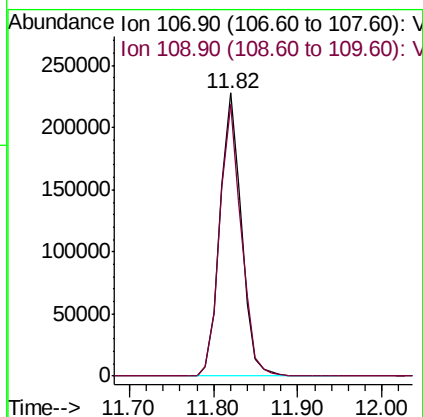
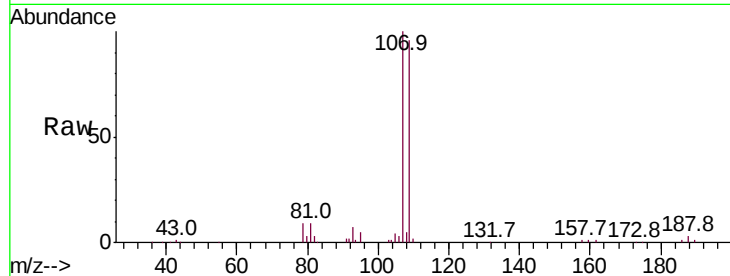




#61
 1,2-Dibromoethane
 Concen: 51.318 ug/l
 RT: 11.82 min Scan# 1056
 Delta R.T. 0.00 min
 Lab File: VD063473.D
 Acq: 9 Aug 2019 14:56

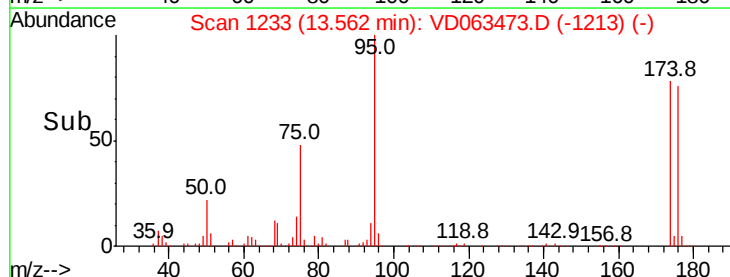
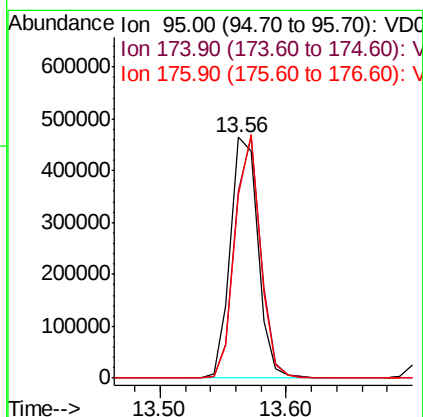
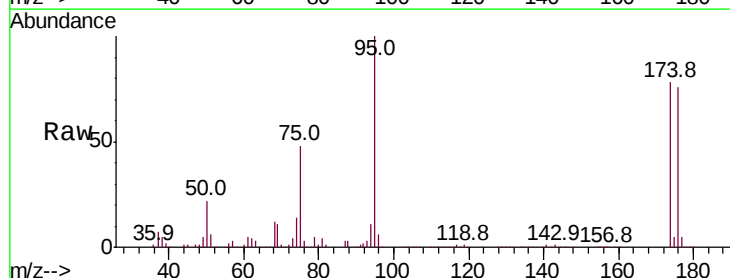
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

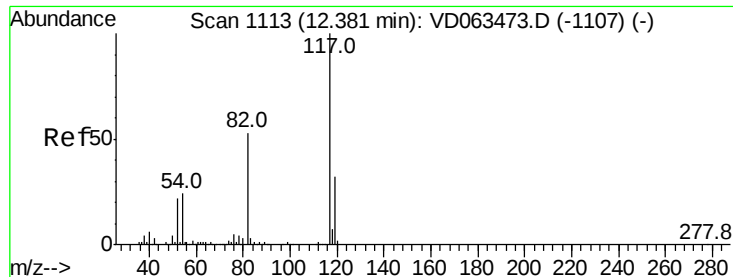
Tot Ion:107 Resp: 403482
 Ion Ratio Lower Upper
 107 100
 109 96.0 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 54.471 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VD063473.D
 Acq: 9 Aug 2019 14:56

Tgt Ion: 95 Resp: 701444
 Ion Ratio Lower Upper
 95 100
 174 77.7 0.0 155.4
 176 76.2 0.0 152.4

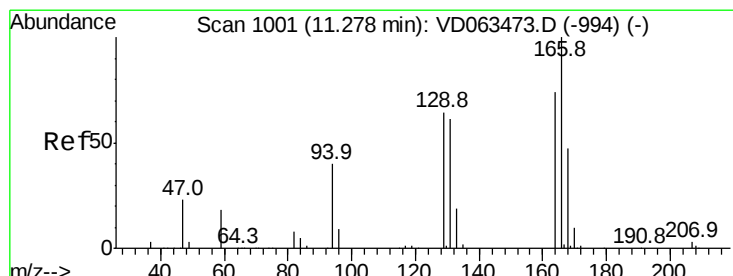
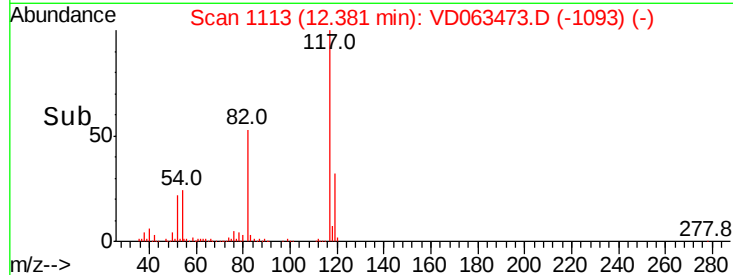
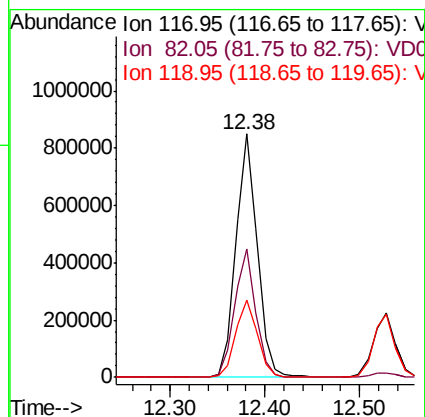
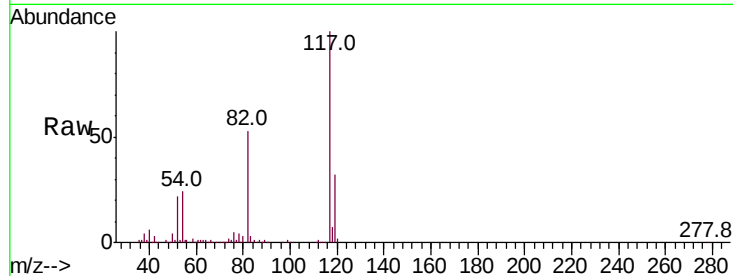




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VD063473.D
Acq: 9 Aug 2019 14:56

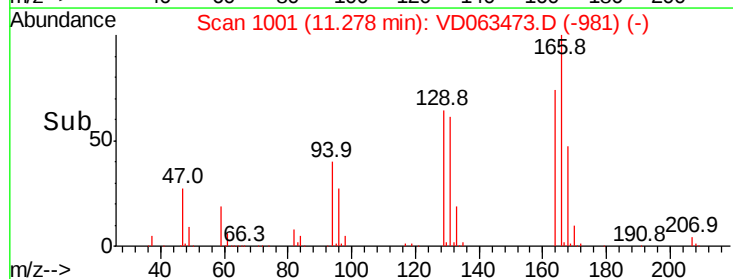
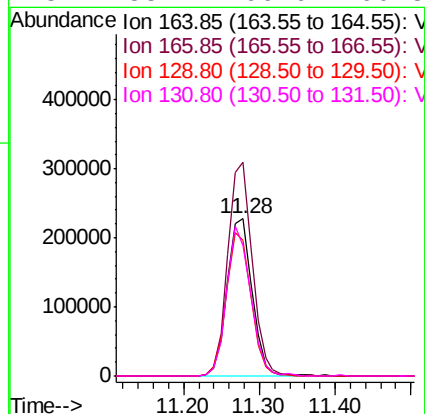
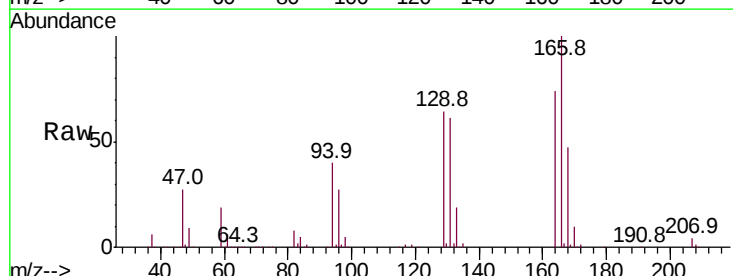
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

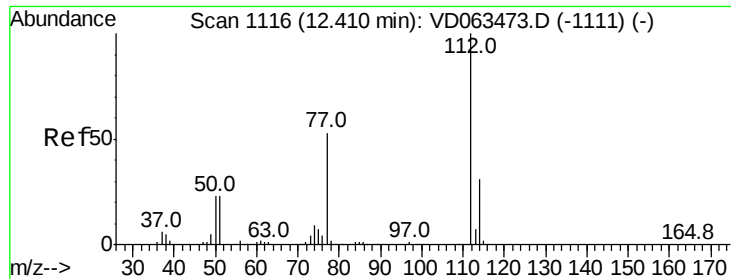
Tot Ion:117 Resp: 1332056
Ion Ratio Lower Upper
117 100
82 52.5 42.0 63.0
119 31.7 25.4 38.0



#64
Tetrachloroethene
Concen: 50.597 ug/l
RT: 11.28 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VD063473.D
Acq: 9 Aug 2019 14:56

Tgt Ion:164 Resp: 520296
Ion Ratio Lower Upper
164 100
166 135.8 108.6 163.0
129 86.3 69.0 103.6
131 83.2 66.6 99.8





#65

Chlorobenzene

Concen: 50.361 ug/l

RT: 12.41 min Scan# 1116

Delta R.T. 0.00 min

Lab File: VD063473.D

Acq: 9 Aug 2019 14:56

Instrument :

MSVOA_D

ClientSampleId :

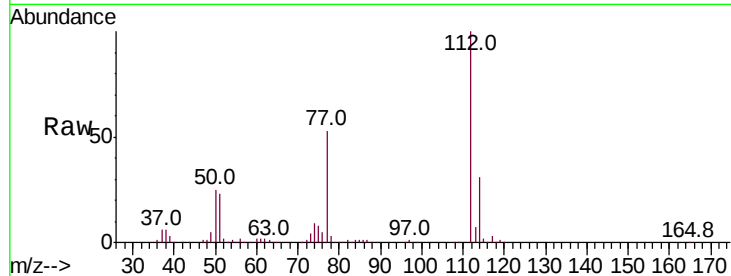
VSTDICCC050

Tot Ion:112 Resp: 1257297

Ion Ratio Lower Upper

112 100

114 31.4 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V

12.41

800000

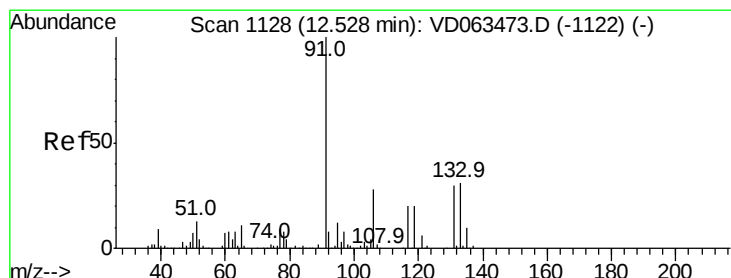
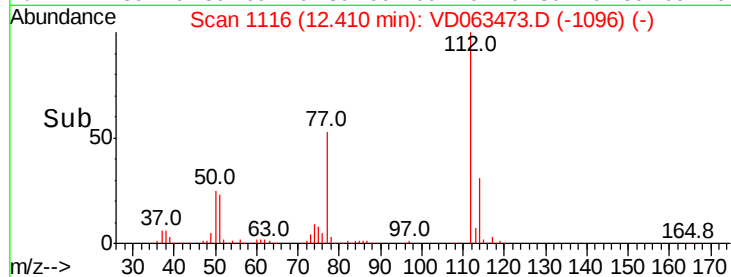
600000

400000

200000

0

Time--> 12.30 12.40 12.50



#66

1,1,1,2-Tetrachloroethane

Concen: 50.673 ug/l

RT: 12.53 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VD063473.D

Acq: 9 Aug 2019 14:56

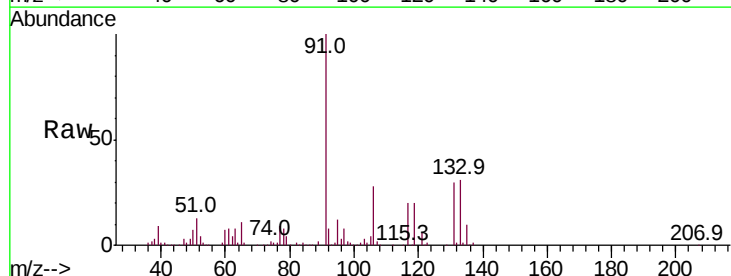
Tgt Ion:131 Resp: 556762

Ion Ratio Lower Upper

131 100

133 102.2 51.1 153.3

119 66.2 33.1 99.3



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

12.53

400000

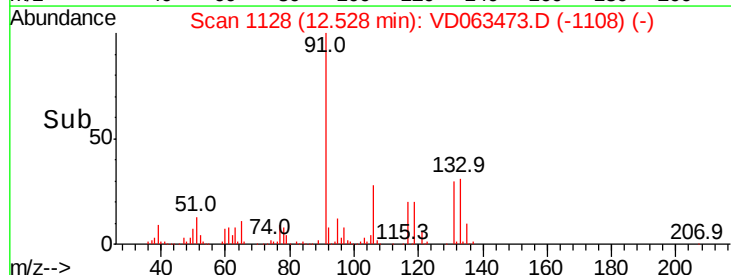
300000

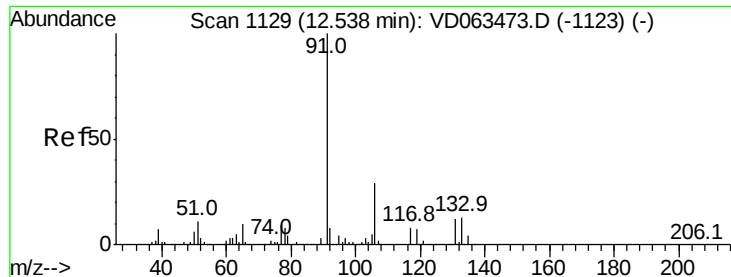
200000

100000

0

Time--> 12.40 12.50 12.60





#67

Ethyl Benzene

Concen: 50.994 ug/l

RT: 12.54 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VD063473.D

Acq: 9 Aug 2019 14:56

Instrument :

MSVOA_D

ClientSampleId :

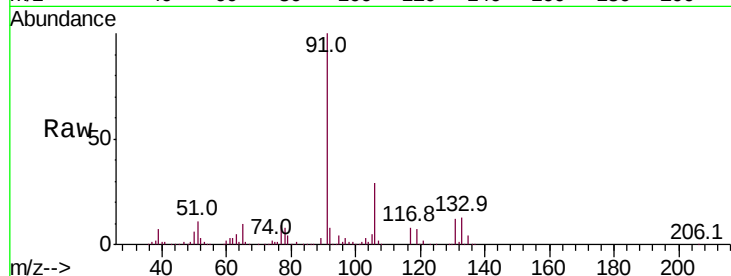
VSTDICCC050

Tot Ion: 91 Resp: 2213637

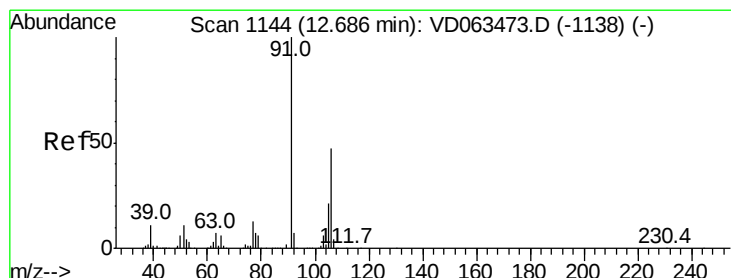
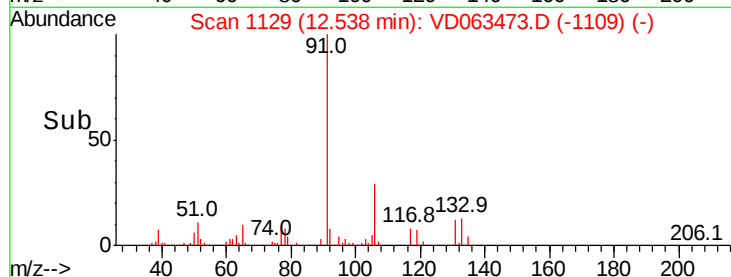
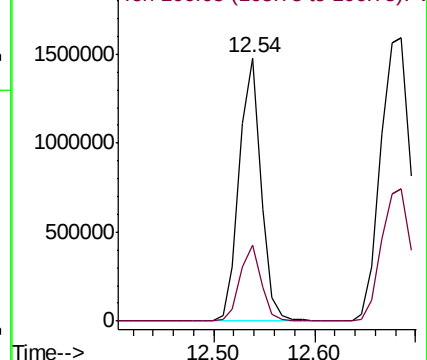
Ion Ratio Lower Upper

91 100

106 28.9 23.1 34.7



Abundance Ion 91.00 (90.70 to 91.70): VD063473.D (-1123) (-)



#68

m/p-Xylenes

Concen: 99.496 ug/l

RT: 12.69 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VD063473.D

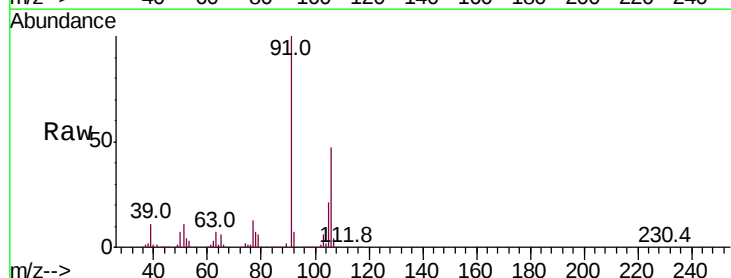
Acq: 9 Aug 2019 14:56

Tgt Ion: 106 Resp: 1517434

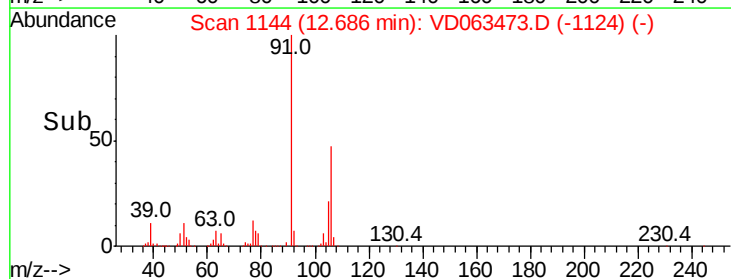
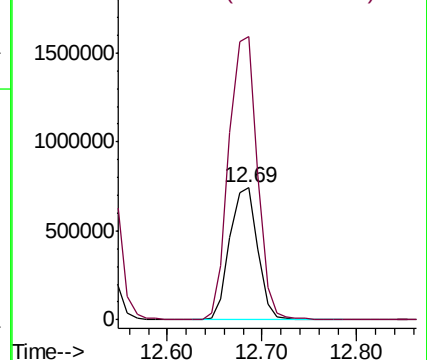
Ion Ratio Lower Upper

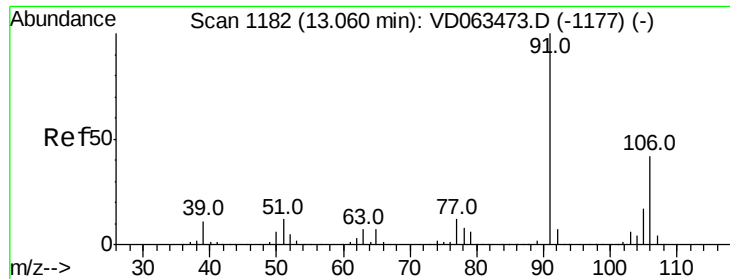
106 100

91 214.8 171.8 257.8



Abundance Ion 106.05 (105.75 to 106.75): VD063473.D (-1138) (-)

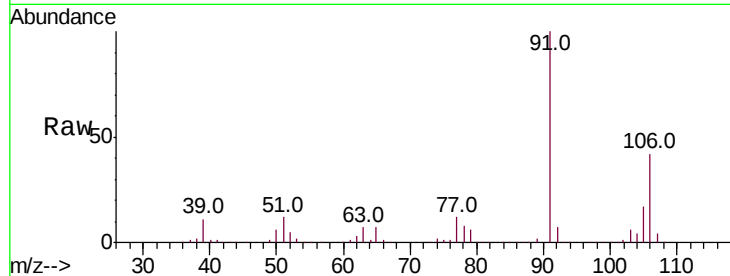




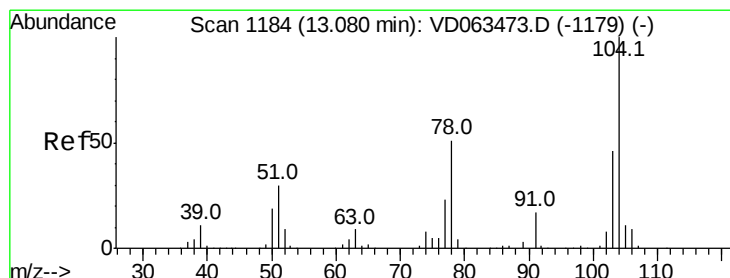
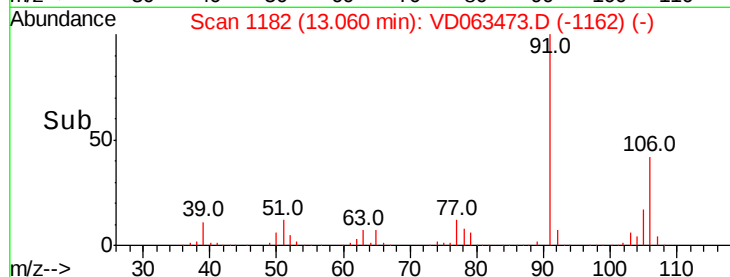
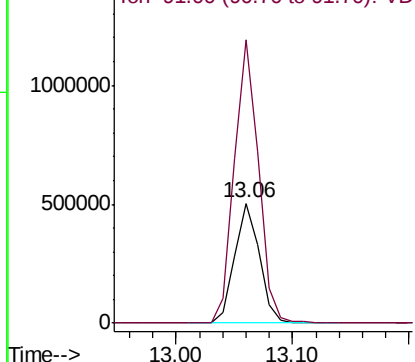
#69
o-Xylene
Concen: 50.797 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VD063473.D
Acq: 9 Aug 2019 14:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 745627
Ion Ratio Lower Upper
106 100
91 236.1 118.1 354.2

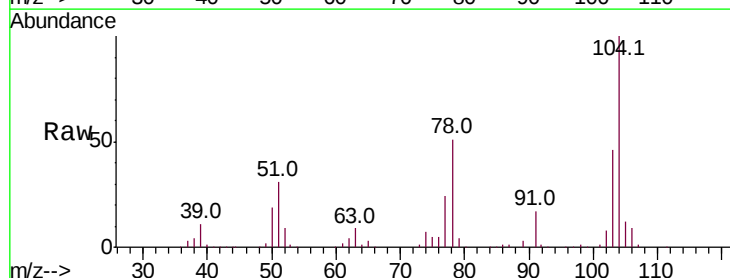


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

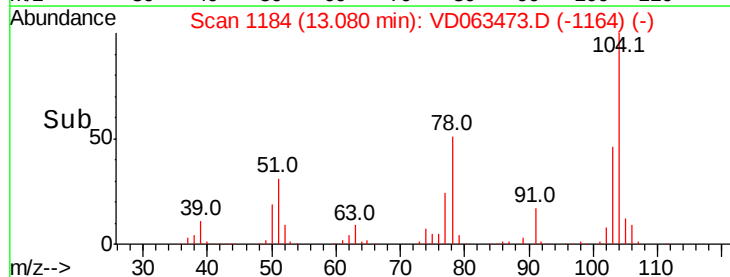
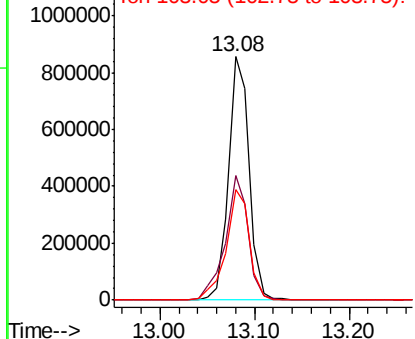


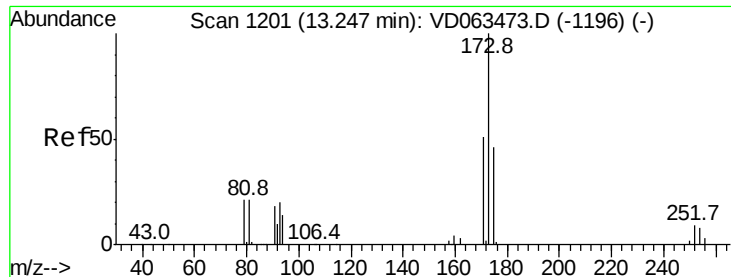
#70
Styrene
Concen: 49.390 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VD063473.D
Acq: 9 Aug 2019 14:56

Tgt Ion:104 Resp: 1289578
Ion Ratio Lower Upper
104 100
78 51.0 40.8 61.2
103 45.5 36.4 54.6



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 51.898 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VD063473.D

Acq: 9 Aug 2019 14:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

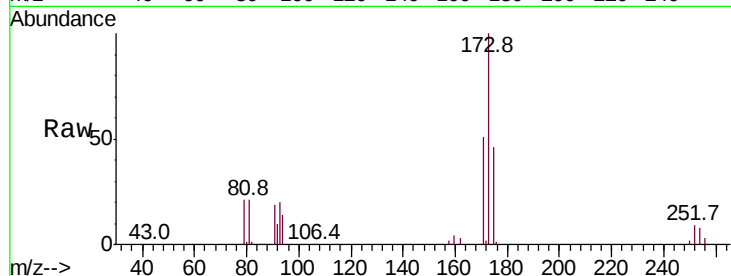
Tot Ion:173 Resp: 390999

Ion Ratio Lower Upper

173 100

175 45.5 22.8 68.3

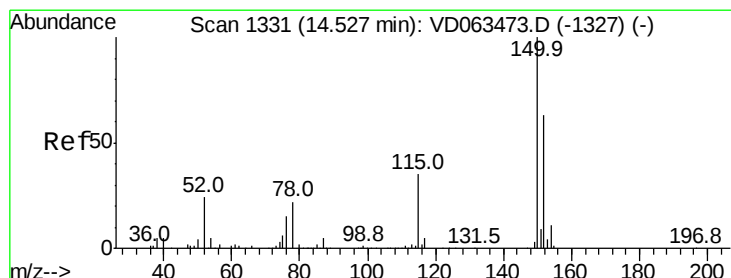
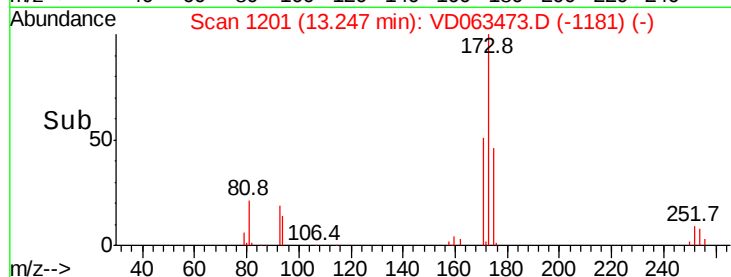
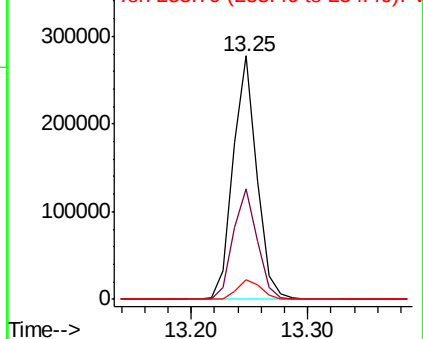
254 8.2 6.6 9.8



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: 14.53 min Scan# 1331

Delta R.T. 0.00 min

Lab File: VD063473.D

Acq: 9 Aug 2019 14:56

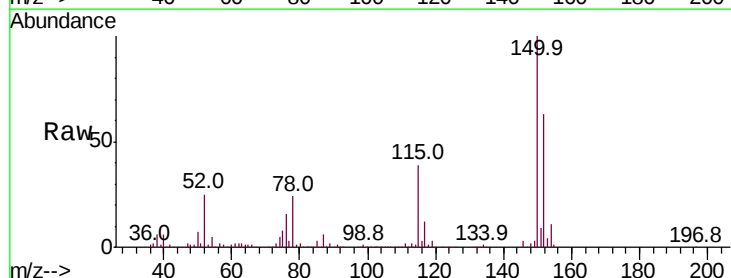
Tgt Ion:152 Resp: 697628

Ion Ratio Lower Upper

152 100

115 61.8 30.9 92.7

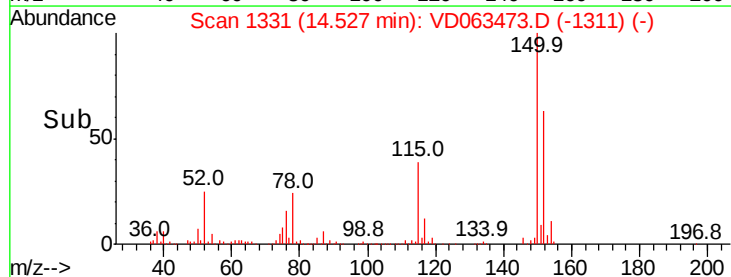
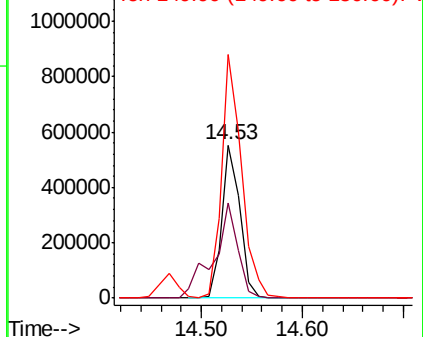
150 159.3 0.0 318.6

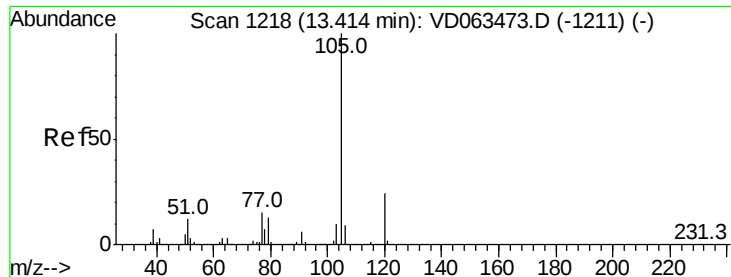


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.654 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VD063473.D

Acq: 9 Aug 2019 14:56

Instrument :

MSVOA_D

ClientSampleId :

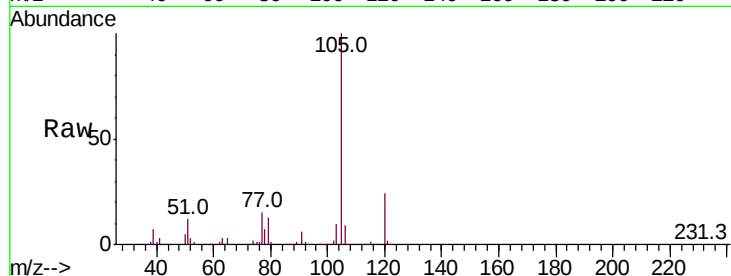
VSTDICCC050

Tot Ion:105 Resp: 2336397

Ion Ratio Lower Upper

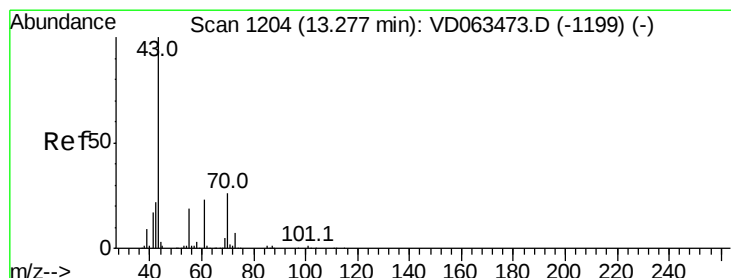
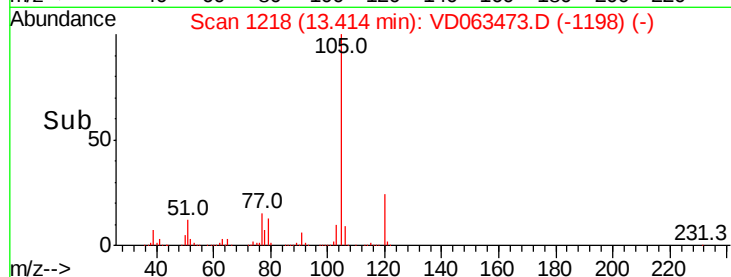
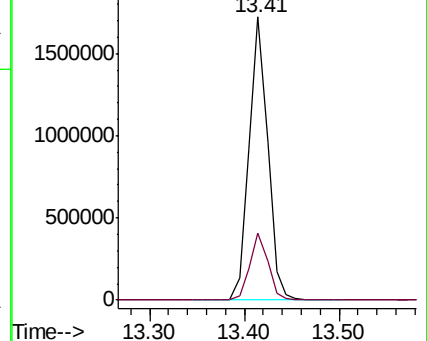
105 100

120 23.9 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 52.379 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD063473.D

Acq: 9 Aug 2019 14:56

Tgt Ion: 43 Resp: 583446

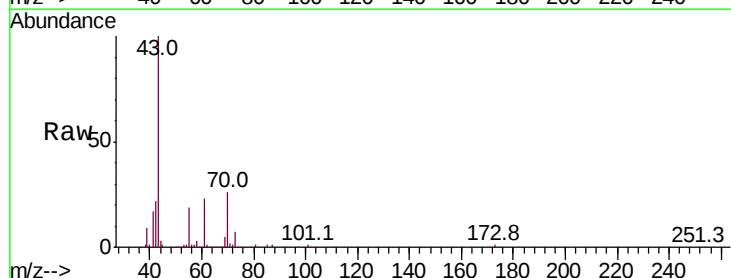
Ion Ratio Lower Upper

43 100

70 26.4 21.1 31.7

55 19.2 15.4 23.0

61 22.7 18.2 27.2

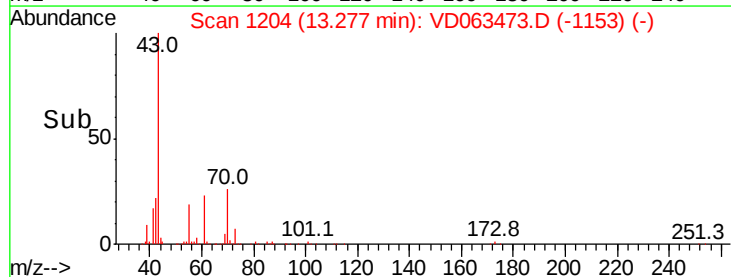
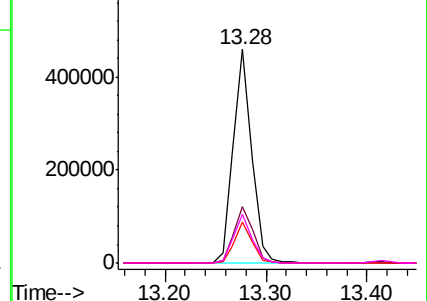


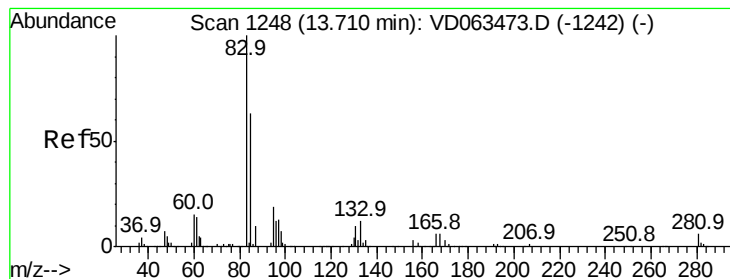
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 51.925 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VD063473.D

Acq: 9 Aug 2019 14:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

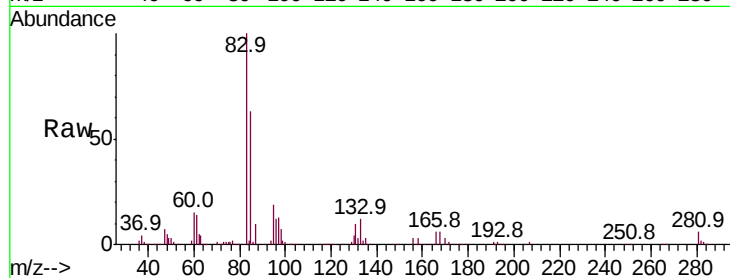
Tot Ion: 83 Resp: 382430

Ion Ratio Lower Upper

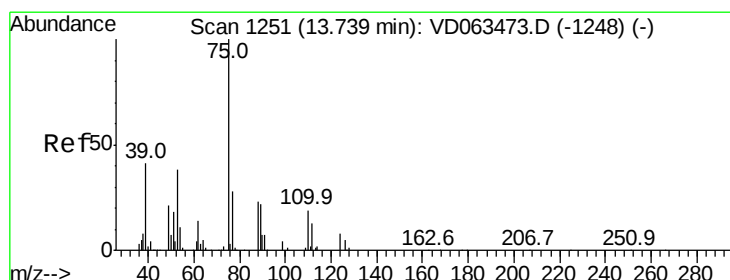
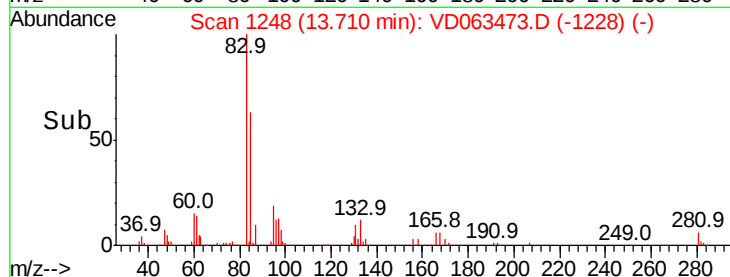
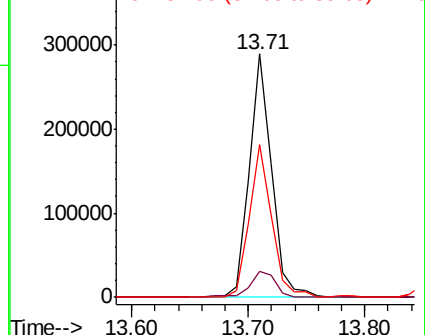
83 100

131 10.5 5.3 15.8

85 62.9 31.4 94.3



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: 51.665 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VD063473.D

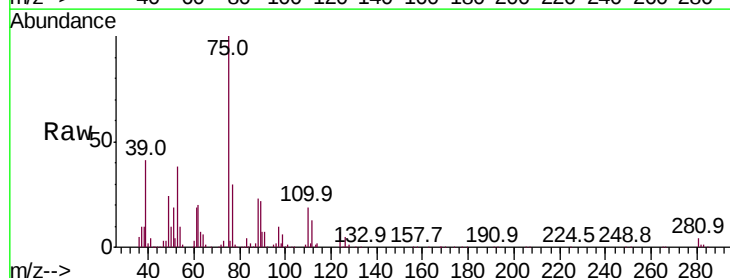
Acq: 9 Aug 2019 14:56

Tgt Ion: 75 Resp: 413654

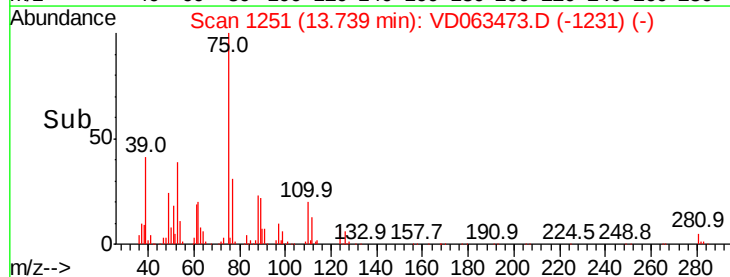
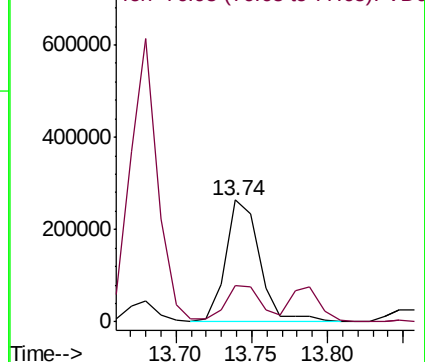
Ion Ratio Lower Upper

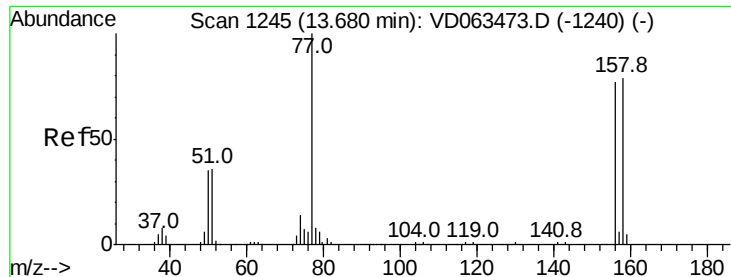
75 100

77 30.2 15.1 45.3



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





#77

Bromobenzene

Concen: 50.381 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.00 min

Lab File: VD063473.D

Acq: 9 Aug 2019 14:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

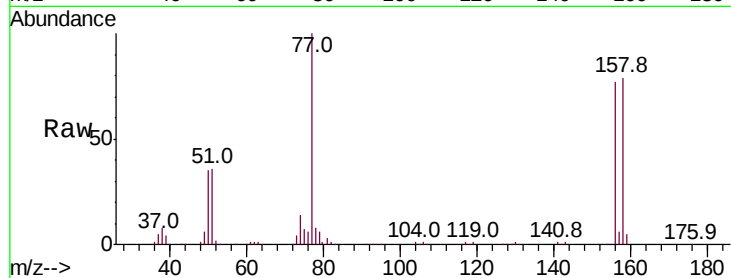
Tot Ion:156 Resp: 610986

Ion Ratio Lower Upper

156 100

77 129.2 64.6 193.8

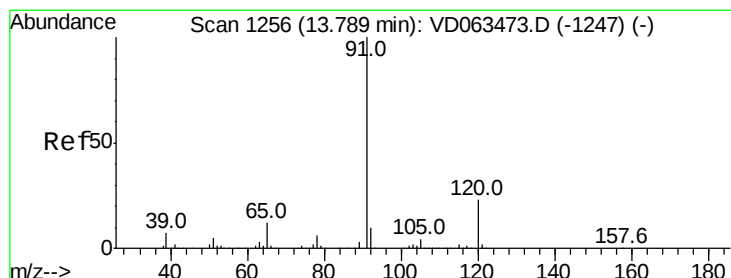
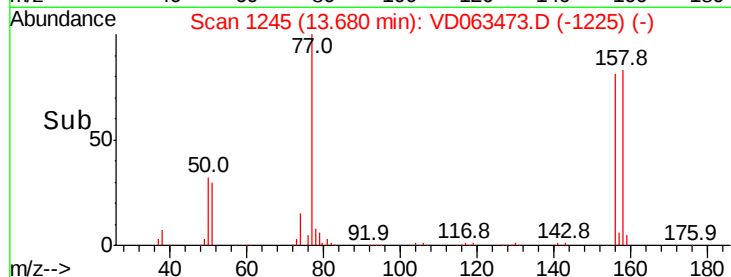
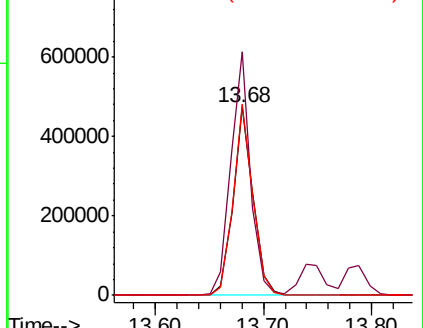
158 101.8 50.9 152.7



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: 50.307 ug/l

RT: 13.79 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VD063473.D

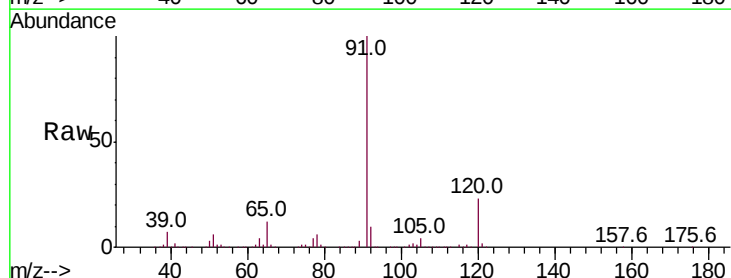
Acq: 9 Aug 2019 14:56

Tgt Ion: 91 Resp: 2611864

Ion Ratio Lower Upper

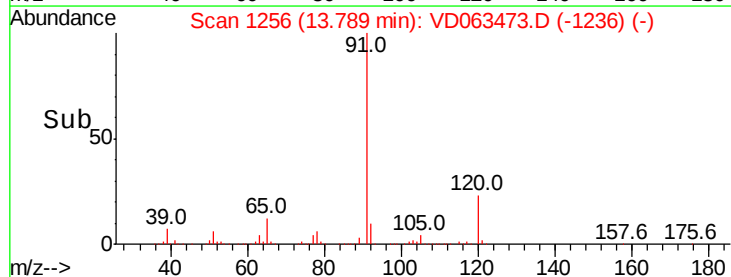
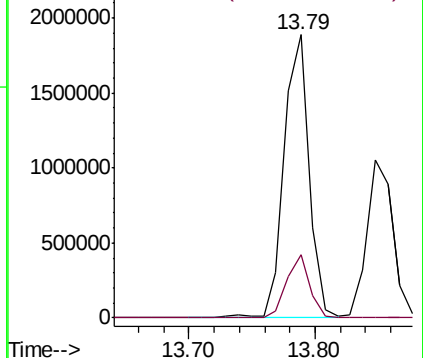
91 100

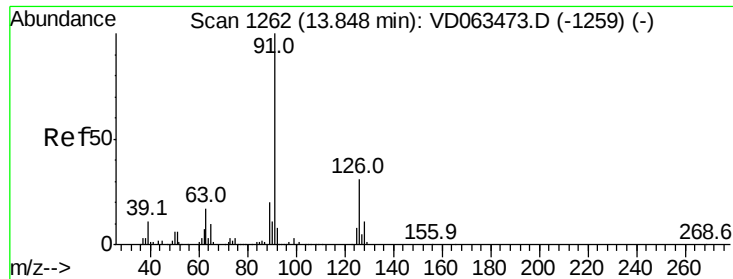
120 22.6 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

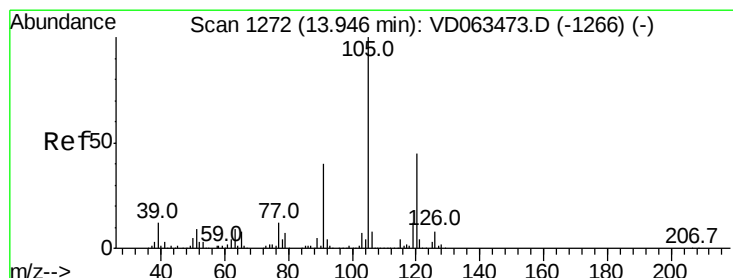
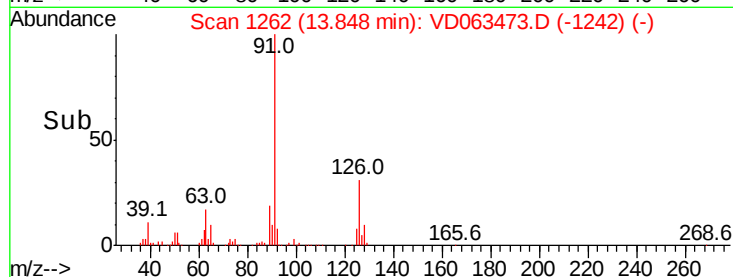
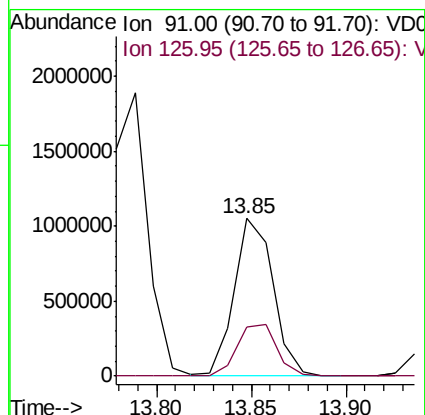
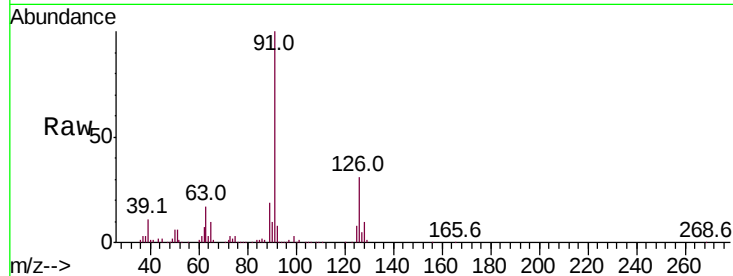




#79
 2-Chlorotoluene
 Concen: 49.760 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VD063473.D
 Acq: 9 Aug 2019 14:56

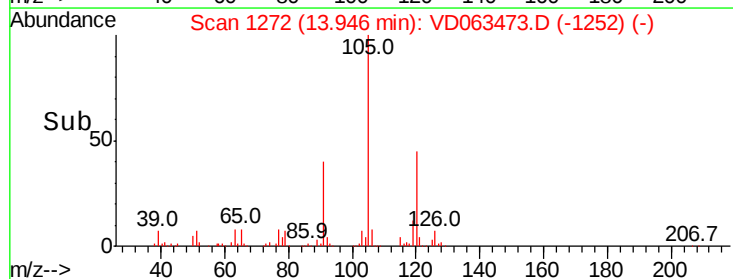
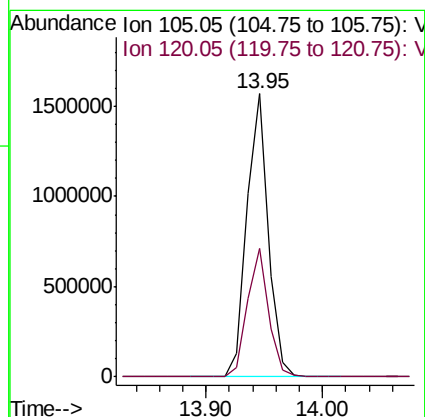
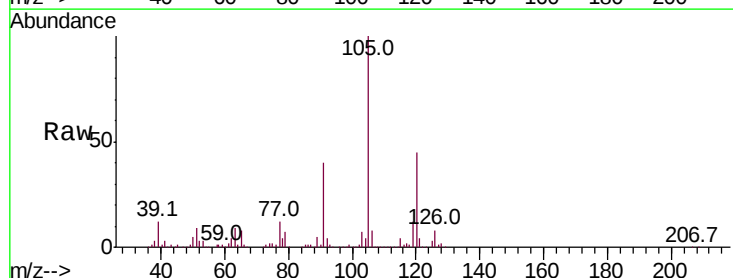
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

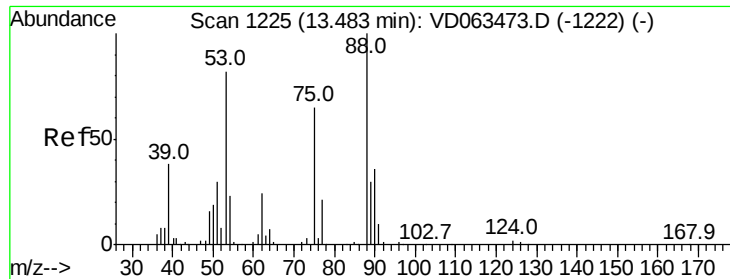
Tot Ion: 91 Resp: 1489371
 Ion Ratio Lower Upper
 91 100
 126 31.1 15.6 46.7



#80
 1,3,5-Trimethylbenzene
 Concen: 51.537 ug/l
 RT: 13.95 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VD063473.D
 Acq: 9 Aug 2019 14:56

Tgt Ion: 105 Resp: 1998093
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.8 68.3

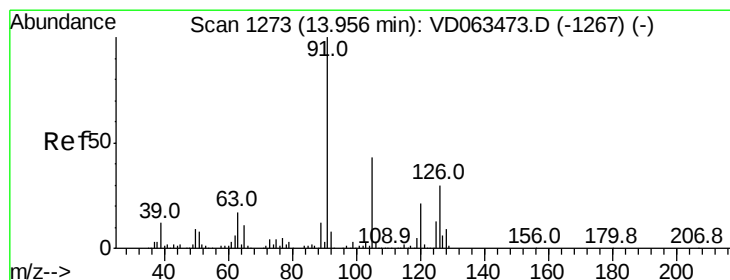
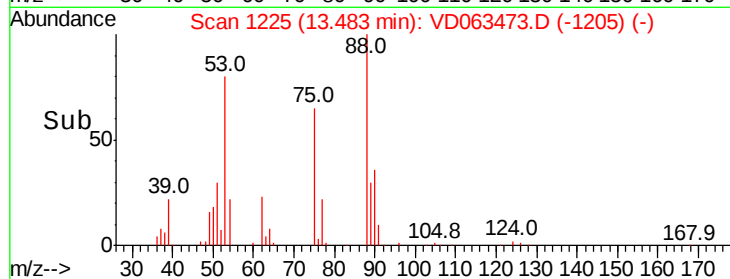
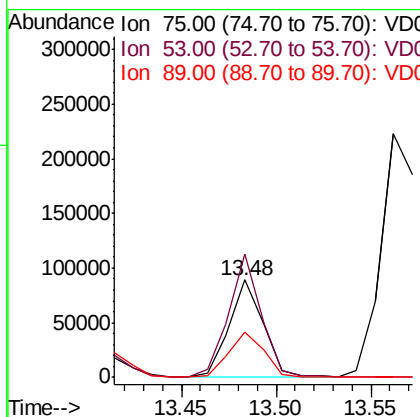
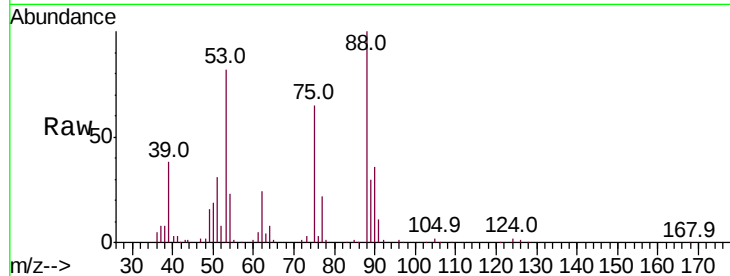




#81
trans-1,4-Dichloro-2-butene
Concen: 51.723 ug/l
RT: 13.48 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VD063473.D
Acq: 9 Aug 2019 14:56

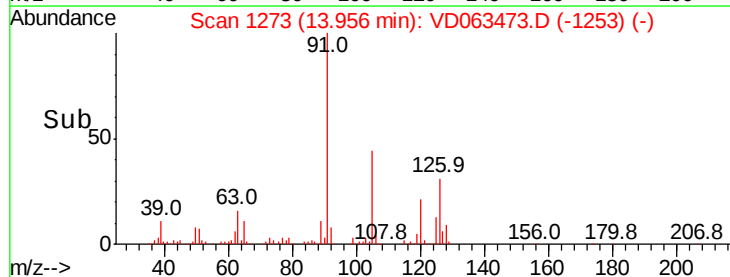
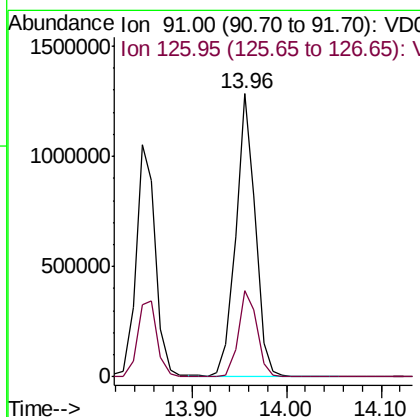
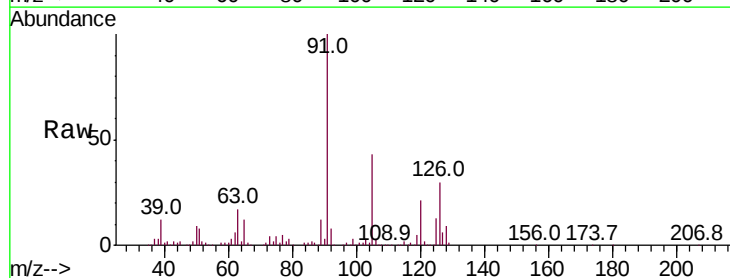
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

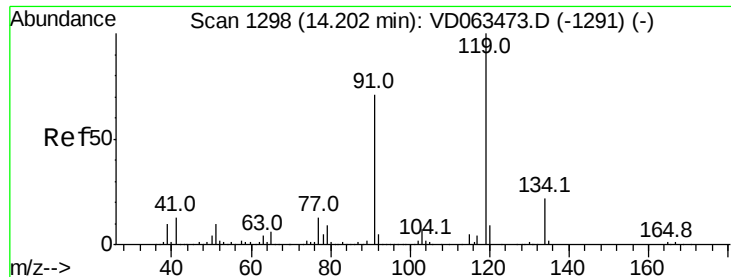
Tot Ion: 75 Resp: 111304
Ion Ratio Lower Upper
75 100
53 126.2 101.0 151.4
89 46.3 37.0 55.6



#82
4-Chlorotoluene
Concen: 50.725 ug/l
RT: 13.96 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VD063473.D
Acq: 9 Aug 2019 14:56

Tgt Ion: 91 Resp: 1825935
Ion Ratio Lower Upper
91 100
126 30.4 15.2 45.6





#83

tert-Butylbenzene

Concen: 51.061 ug/l

RT: 14.20 min Scan# 1298

Delta R.T. 0.00 min

Lab File: VD063473.D

Acq: 9 Aug 2019 14:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

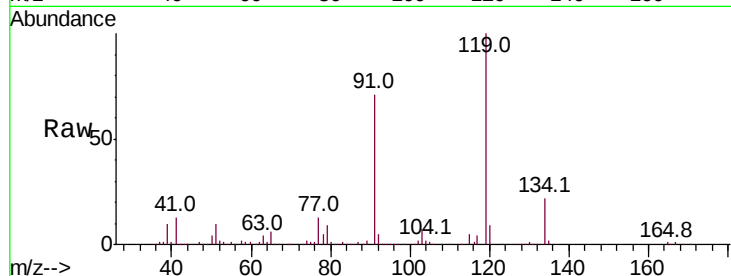
Tot Ion:119 Resp: 2084633

Ion Ratio Lower Upper

119 100

91 71.1 35.5 106.7

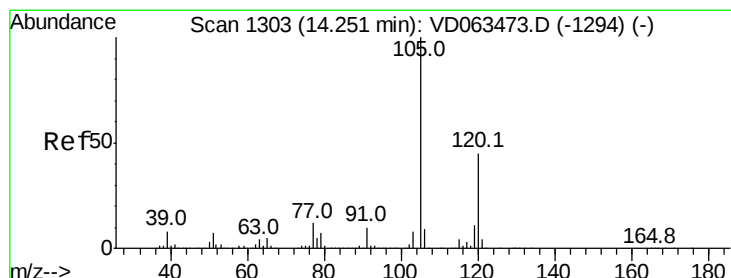
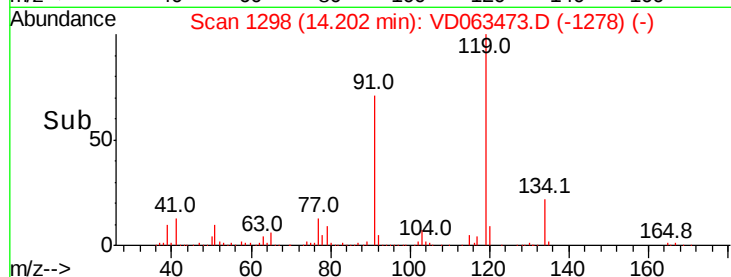
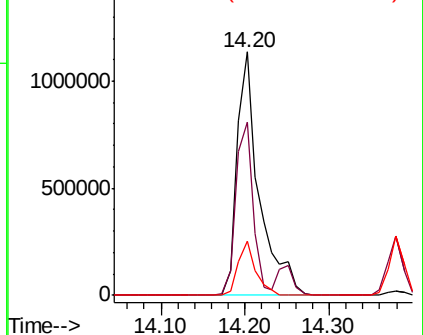
134 22.1 11.1 33.1



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 52.142 ug/l

RT: 14.25 min Scan# 1303

Delta R.T. 0.00 min

Lab File: VD063473.D

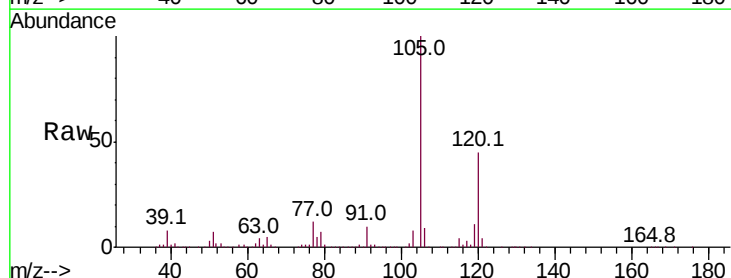
Acq: 9 Aug 2019 14:56

Tgt Ion:105 Resp: 1870475

Ion Ratio Lower Upper

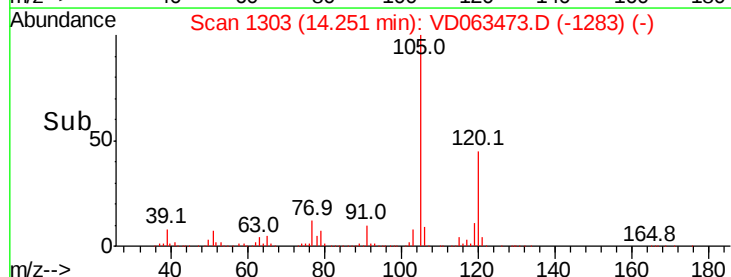
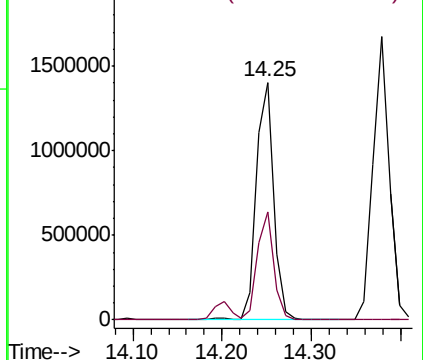
105 100

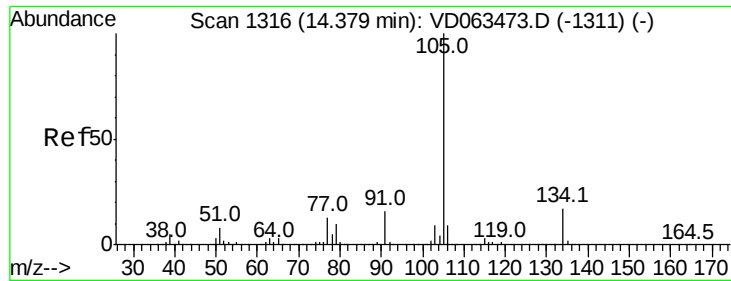
120 45.4 22.7 68.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

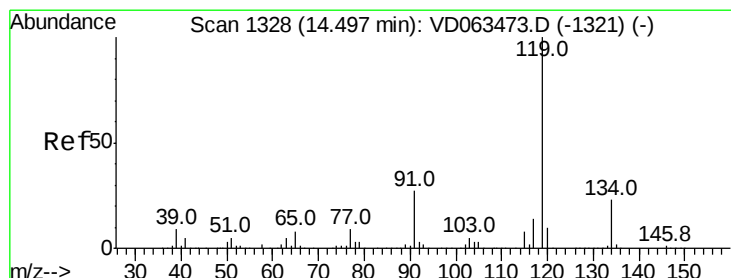
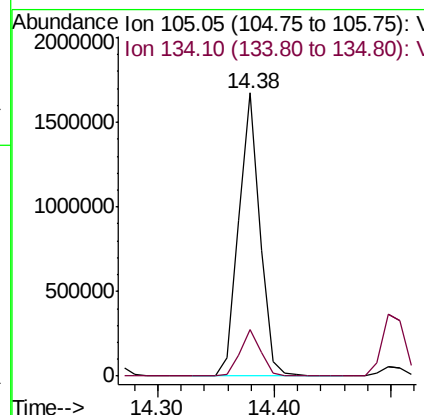
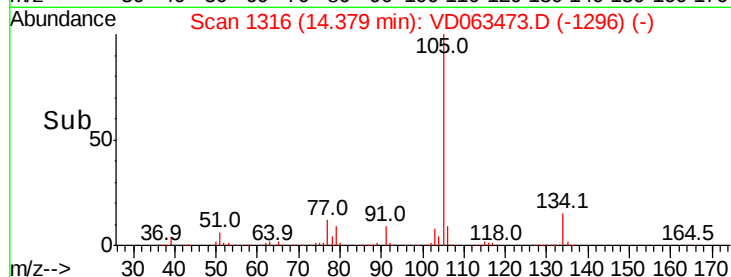
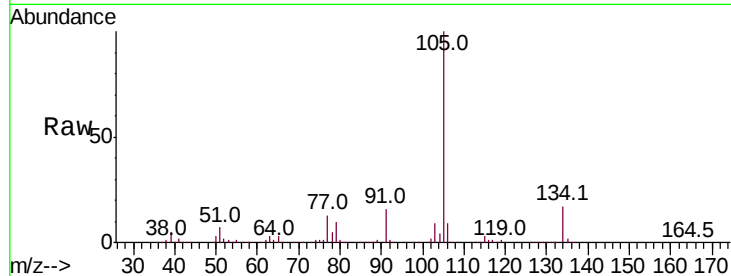




#85
 sec-Butylbenzene
 Concen: 48.488 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VD063473.D
 Acq: 9 Aug 2019 14:56

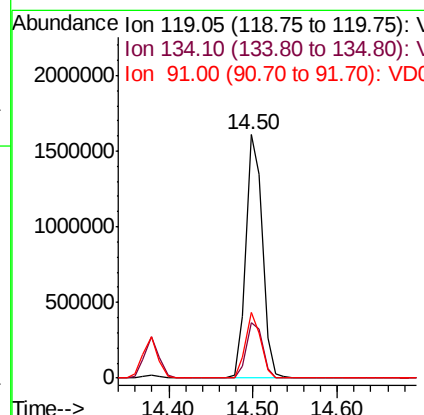
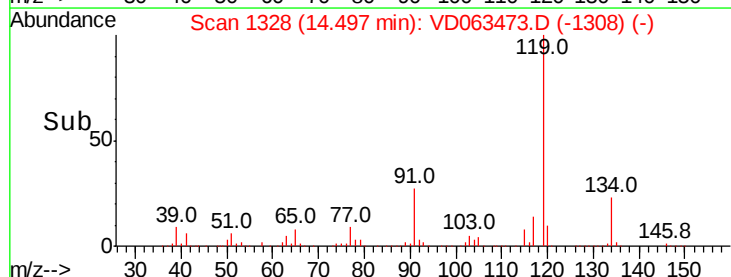
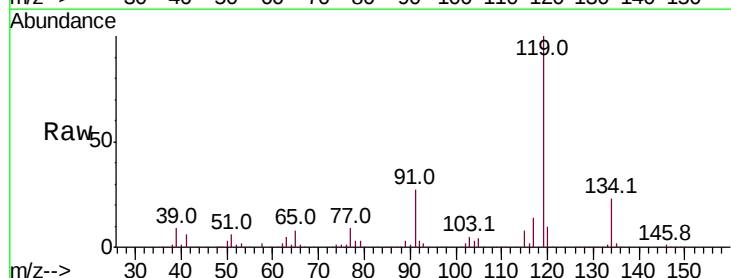
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

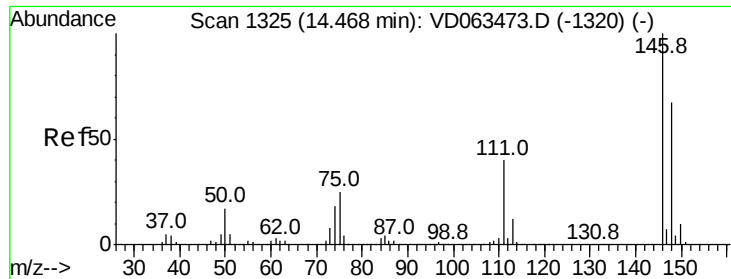
Tot Ion:105 Resp: 2102276
 Ion Ratio Lower Upper
 105 100
 134 16.5 8.3 24.8



#86
 p-Isopropyltoluene
 Concen: 52.704 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: VD063473.D
 Acq: 9 Aug 2019 14:56

Tgt Ion:119 Resp: 2184898
 Ion Ratio Lower Upper
 119 100
 134 22.5 11.3 33.8
 91 26.9 13.5 40.4

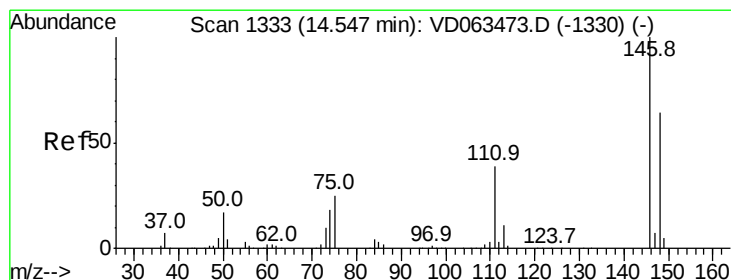
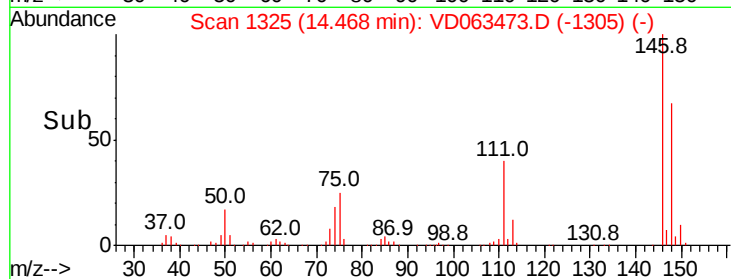
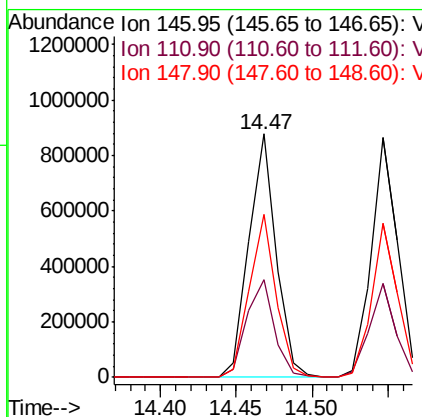
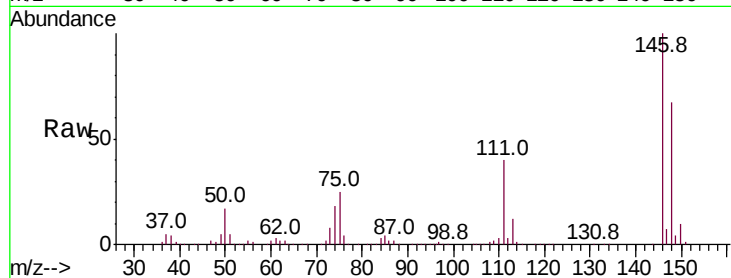




#87
 1,3-Dichlorobenzene
 Concen: 50.271 ug/l
 RT: 14.47 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VD063473.D
 Acq: 9 Aug 2019 14:56

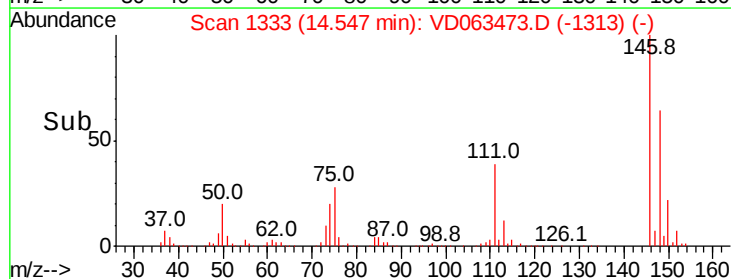
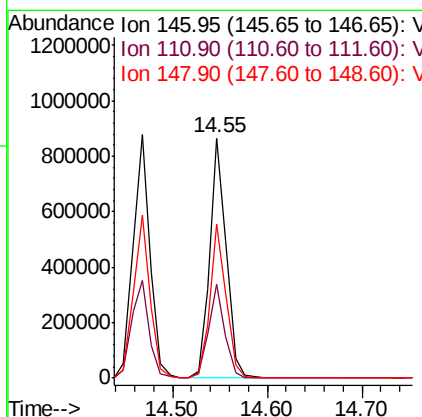
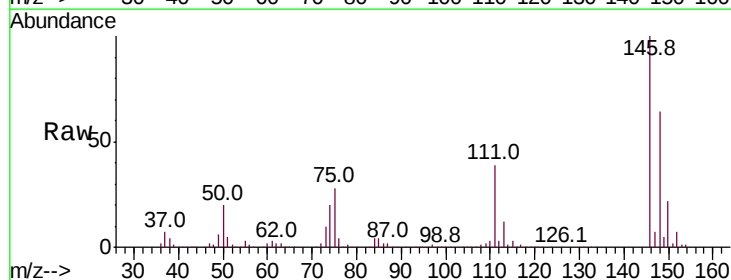
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

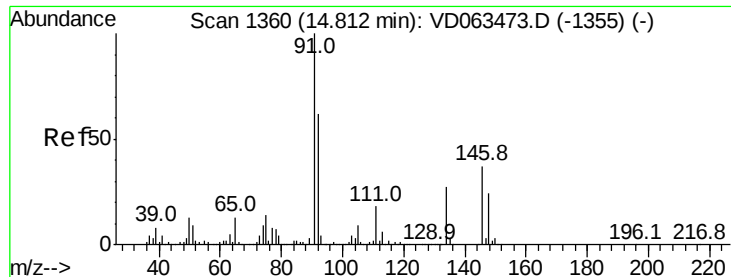
Tot Ion:146 Resp: 1102748
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.0 60.0
 148 67.1 33.6 100.6



#88
 1,4-Dichlorobenzene
 Concen: 50.632 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. 0.00 min
 Lab File: VD063473.D
 Acq: 9 Aug 2019 14:56

Tgt Ion:146 Resp: 1065584
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.7 59.0
 148 64.2 32.1 96.3

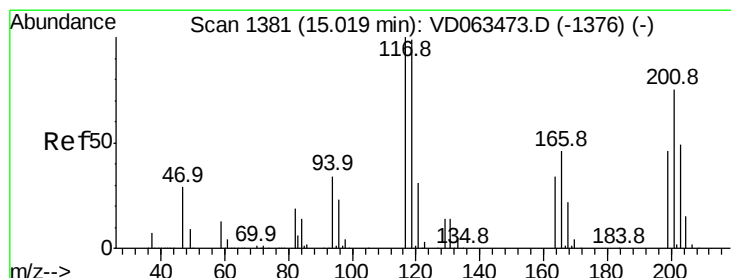
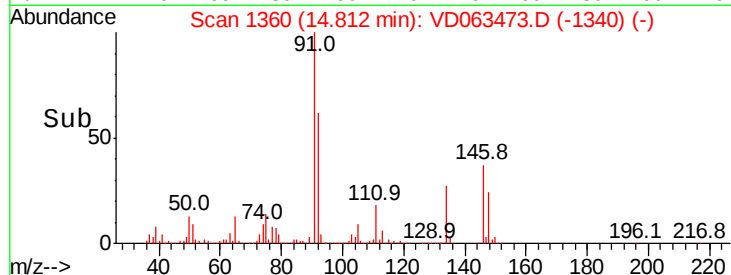
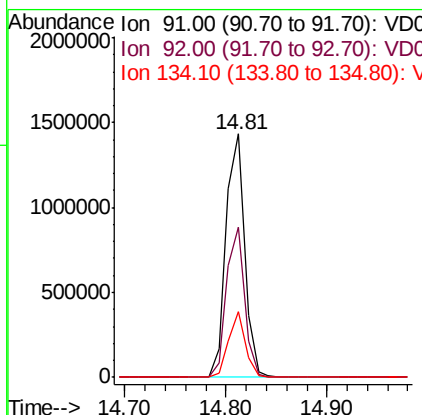
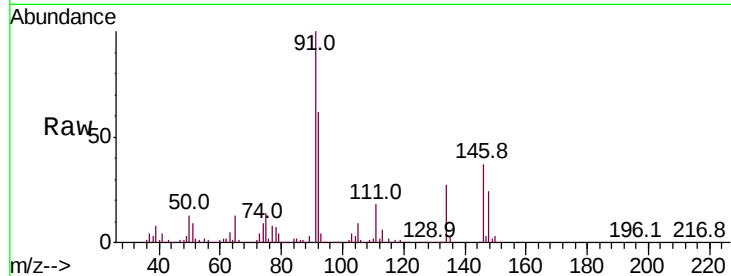




#89
n-Butylbenzene
Concen: 49.055 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.00 min
Lab File: VD063473.D
Acq: 9 Aug 2019 14:56

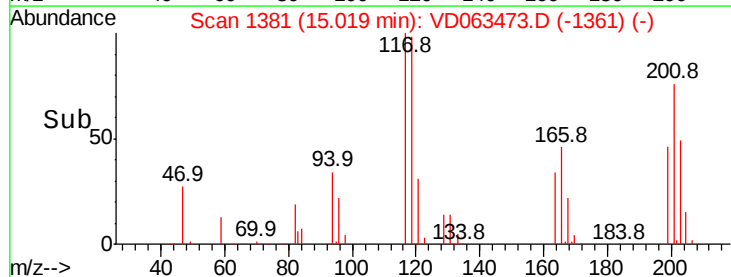
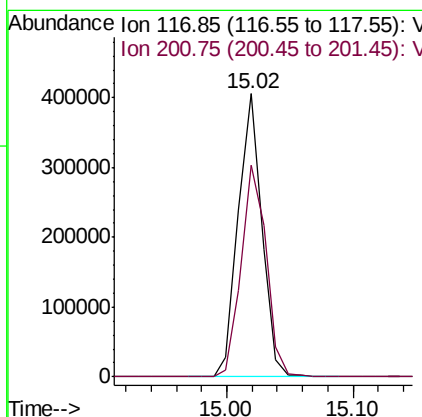
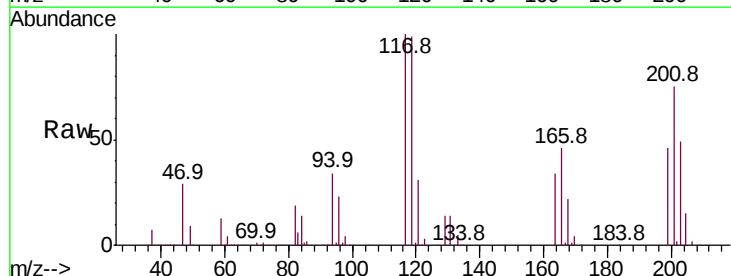
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

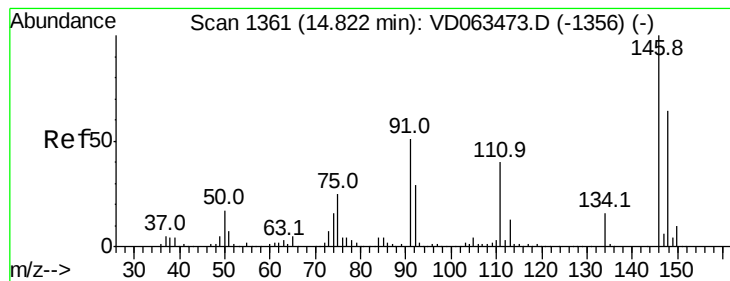
Tot Ion: 91 Resp: 1856026
Ion Ratio Lower Upper
91 100
92 61.5 30.8 92.3
134 26.8 13.4 40.2



#90
Hexachloroethane
Concen: 50.422 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VD063473.D
Acq: 9 Aug 2019 14:56

Tgt Ion: 117 Resp: 525388
Ion Ratio Lower Upper
117 100
201 75.0 37.5 112.5





#91

1,2-Dichlorobenzene

Concen: 49.797 ug/l

RT: 14.82 min Scan# 1361

Delta R.T. 0.00 min

Lab File: VD063473.D

Acq: 9 Aug 2019 14:56

Instrument :

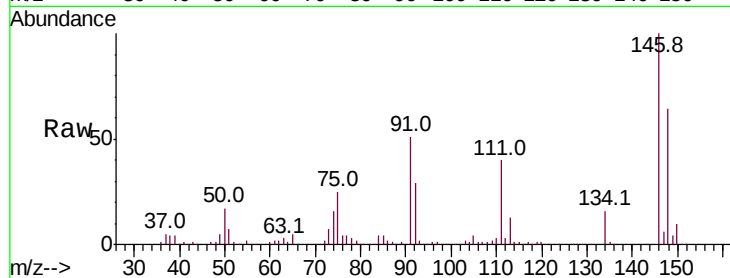
MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:146 Resp: 926777

Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.2	60.6
148	64.3	32.1	96.5

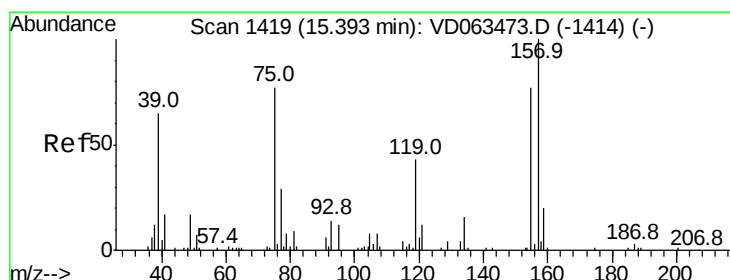
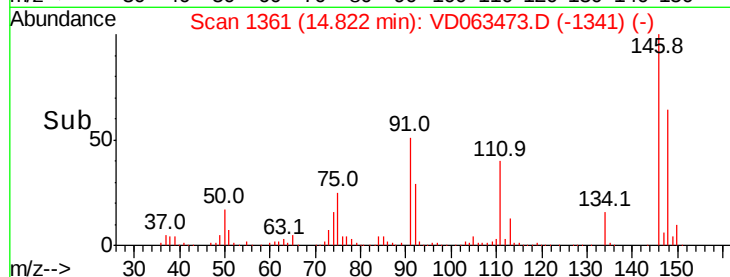
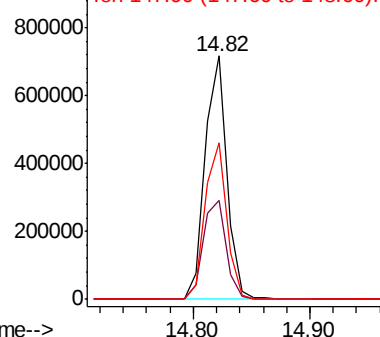


Abundance

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: 49.795 ug/l

RT: 15.39 min Scan# 1419

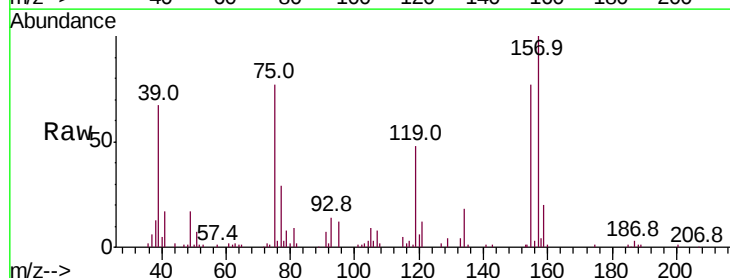
Delta R.T. 0.00 min

Lab File: VD063473.D

Acq: 9 Aug 2019 14:56

Tgt Ion: 75 Resp: 69056

Ion	Ratio	Lower	Upper
75	100		
155	100.2	50.1	150.3
157	130.1	65.0	195.1

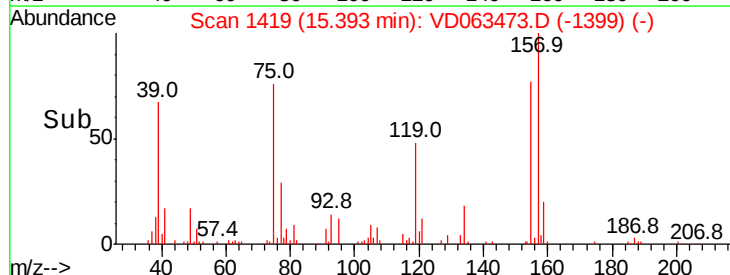
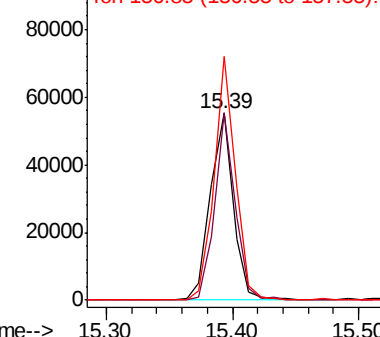


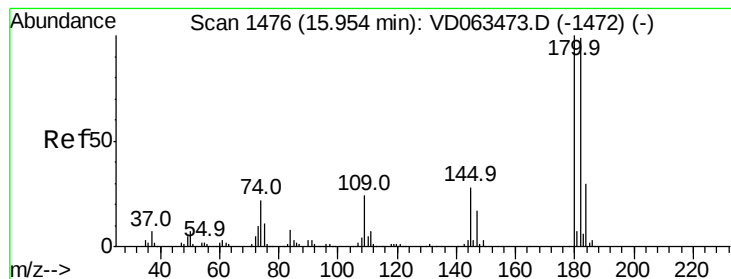
Abundance

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: 53.301 ug/l

RT: 15.95 min Scan# 1476

Delta R.T. 0.00 min

Lab File: VD063473.D

Acq: 9 Aug 2019 14:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

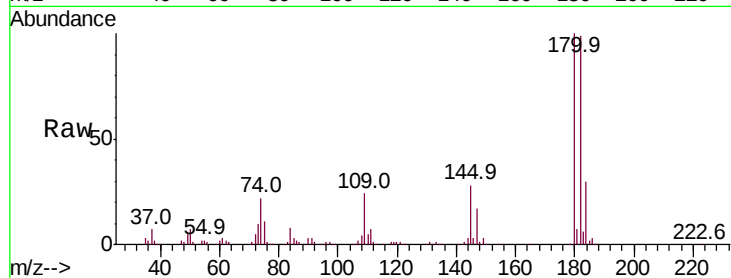
Tot Ion:180 Resp: 729929

Ion Ratio Lower Upper

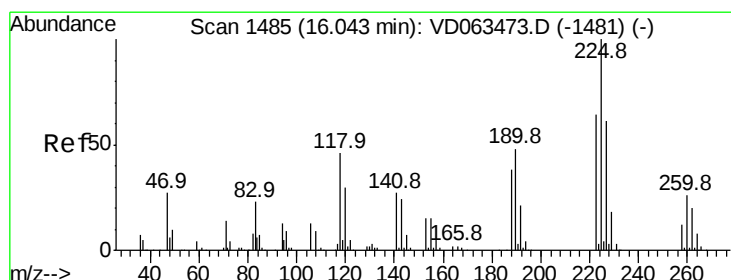
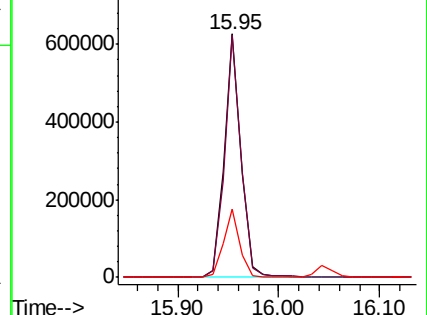
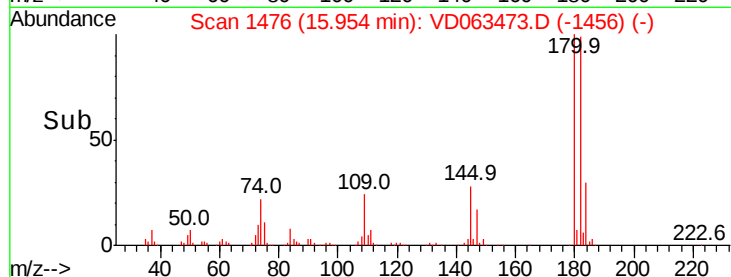
180 100

182 99.4 49.7 149.1

145 28.1 14.1 42.2



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: 52.086 ug/l

RT: 16.04 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VD063473.D

Acq: 9 Aug 2019 14:56

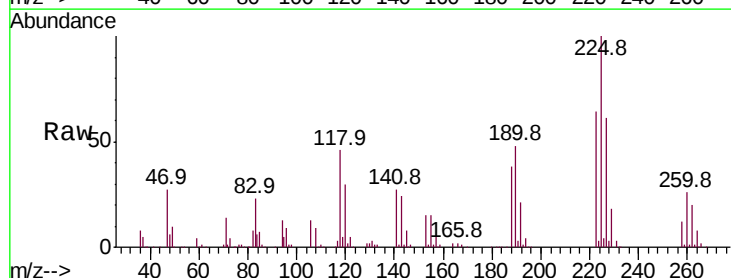
Tgt Ion:225 Resp: 543623

Ion Ratio Lower Upper

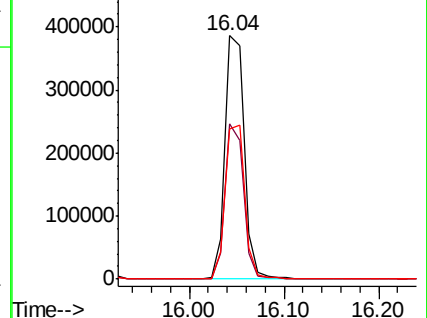
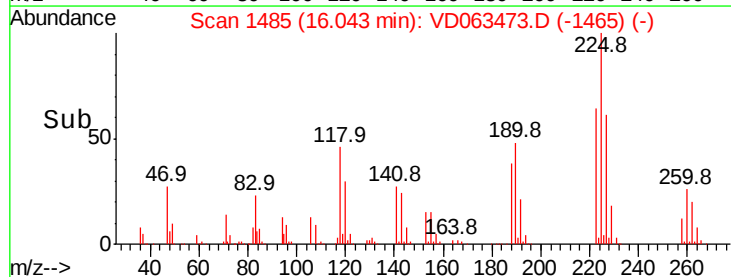
225 100

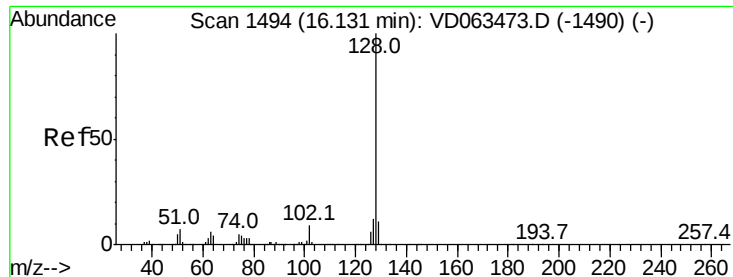
223 63.7 31.9 95.5

227 61.4 30.7 92.1



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

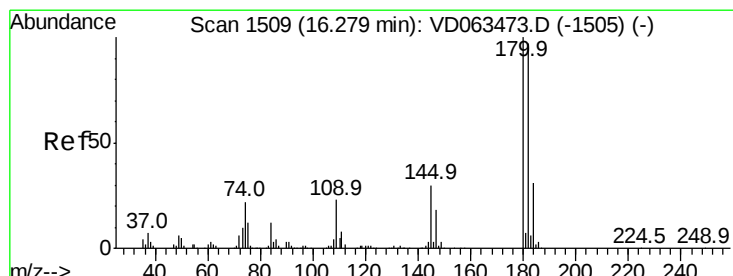
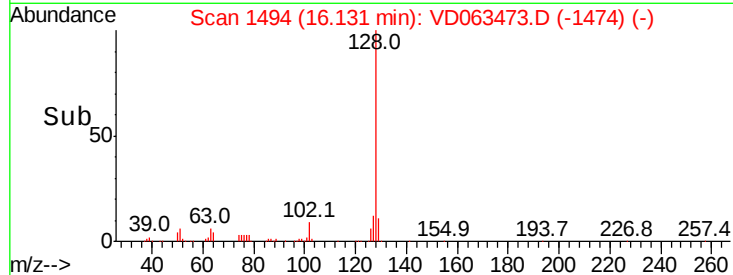
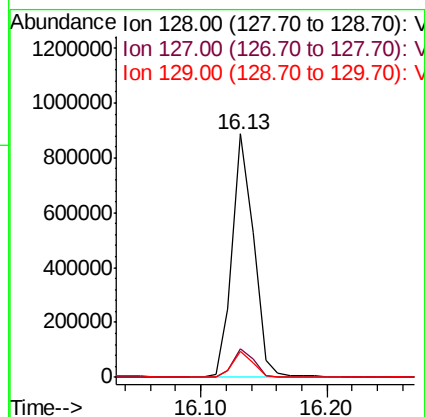
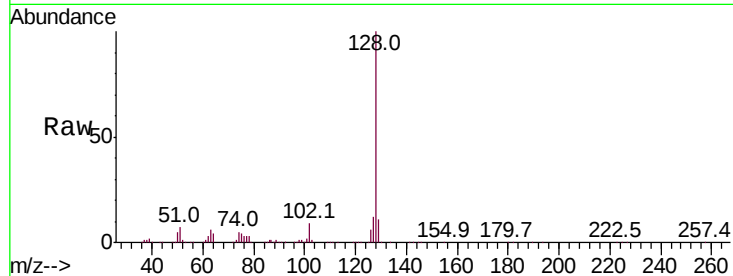




#95
Naphthalene
Concen: 50.472 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VD063473.D
Acq: 9 Aug 2019 14:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:128 Resp: 1047491
Ion Ratio Lower Upper
128 100
127 11.7 9.4 14.0
129 10.6 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 50.037 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.00 min
Lab File: VD063473.D
Acq: 9 Aug 2019 14:56

Tgt Ion:180 Resp: 553453
Ion Ratio Lower Upper
180 100
182 96.8 48.4 145.2
145 29.9 14.9 44.9

