

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042919\
 Data File : VD062060.D
 Acq On : 29 Apr 2019 13:43
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00qm/5mL/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/1/2019 9:27:55 AM

Quant Time: Apr 30 01:19:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.01	168	577766	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.18	114	998801	50.00	ug/l	-0.04
63) Chlorobenzene-d5	12.35	117	742150	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.50	152	352525	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.42	65	255422	56.49	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	112.98%	
35) Dibromofluoromethane	6.89	113	366063	52.99	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	105.98%	
50) Toluene-d8	10.38	98	794044	48.31	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	96.62%	
62) 4-Bromofluorobenzene	13.54	95	336627	51.06	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	263324	51.041	ug/l	99
3) Chloromethane	1.74	50	195929	44.684	ug/l	95
4) Vinyl Chloride	1.83	62	186643	46.963	ug/l	100
5) Bromomethane	2.14	94	66890	69.668	ug/l	94
6) Chloroethane	2.26	64	77234	53.762	ug/l	98
7) Trichlorofluoromethane	2.51	101	345275	57.460	ug/l	99
8) Diethyl Ether	2.85	74	82696	51.348	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.13	101	280016	50.586	ug/l	99
10) Methyl Iodide	3.28	142	393453	47.018	ug/l	97
11) Tert butyl alcohol	4.02	59	65617	256.827	ug/l	98
12) 1,1-Dichloroethene	3.11	96	220143	46.745	ug/l	91
13) Acrolein	3.02	56	69863	263.546	ug/l	97
14) Allyl chloride	3.60	41	306411	47.648	ug/l	95
15) Acrylonitrile	4.16	53	188999	238.895	ug/l	95
16) Acetone	3.19	43	286249	265.119	ug/l	94
17) Carbon Disulfide	3.35	76	652724	47.963	ug/l	100
18) Methyl Acetate	3.61	43	96197	49.088	ug/l	95
19) Methyl tert-butyl Ether	4.21	73	435235	46.579	ug/l	96
20) Methylene Chloride	3.78	84	257217	48.863	ug/l	99
21) trans-1,2-Dichloroethene	4.20	96	248114	45.925	ug/l	96
22) Diisopropyl ether	5.08	45	716715	47.737	ug/l	98
23) Vinyl Acetate	5.01	43	1980618	253.317	ug/l	99
24) 1,1-Dichloroethane	4.95	63	437163	48.175	ug/l	100
25) 2-Butanone	6.03	43	343358	262.294	ug/l	96
26) 2,2-Dichloropropane	5.99	77	419646	53.008	ug/l	97
27) cis-1,2-Dichloroethene	6.01	96	306259	49.830	ug/l	94
28) Bromochloromethane	6.40	49	191325	55.103	ug/l	93
29) Tetrahydrofuran	6.42	42	157350	243.951	ug/l	97
30) Chloroform	6.63	83	545539	52.928	ug/l	97
31) Cyclohexane	6.92	56	341882	50.757	ug/l	97
32) 1,1,1-Trichloroethane	6.84	97	481498	53.690	ug/l	98
36) 1,1-Dichloropropene	7.12	75	379777	48.804	ug/l	97
37) Ethyl Acetate	6.15	43	144630	43.615	ug/l	96
38) Carbon Tetrachloride	7.08	117	480309m	48.709	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.83	83	374055	48.720	ug/l	98
40) Benzene	7.43	78	897799	46.603	ug/l	98
41) Methacrylonitrile	6.41	41	188843	48.807	ug/l	95
42) 1,2-Dichloroethane	7.54	62	326530	49.919	ug/l	97
43) Isopropyl Acetate	9.21	43	229479	47.362	ug/l #	97
44) Trichloroethene	8.51	130	340361	45.571	ug/l	94
45) 1,2-Dichloropropane	8.90	63	228618	46.778	ug/l	97
46) Dibromomethane	9.03	93	168362	47.875	ug/l	99
47) Bromodichloromethane	9.35	83	390660	47.014	ug/l	95
48) Methyl methacrylate	9.09	41	125774	45.497	ug/l	92
49) 1,4-Dioxane	9.05	88	28295	949.355	ug/l	97
51) 4-Methyl-2-Pentanone	10.27	43	693837	234.155	ug/l	99
52) Toluene	10.49	92	551573	44.903	ug/l	99
53) t-1,3-Dichloropropene	10.89	75	351077	50.335	ug/l	97
54) cis-1,3-Dichloropropene	10.02	75	392106	46.222	ug/l	99
55) 1,1,2-Trichloroethane	11.17	97	192252	46.619	ug/l	96
56) Ethyl methacrylate	11.02	69	206309	45.170	ug/l	99
57) 1,3-Dichloropropane	11.38	76	287048	45.068	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.83	63	507635	239.057	ug/l	95
59) 2-Hexanone	11.51	43	508748	228.879	ug/l	97
60) Dibromochloromethane	11.66	129	341311	50.020	ug/l	96
61) 1,2-Dibromoethane	11.79	107	236453	48.335	ug/l	96
64) Tetrachloroethene	11.24	164	271413	51.266	ug/l	99
65) Chlorobenzene	12.38	112	659771	47.046	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.50	131	297187	49.959	ug/l	97
67) Ethyl Benzene	12.51	91	1063712	46.471	ug/l	99
68) m/p-Xylenes	12.65	106	840303	101.572	ug/l	97
69) o-Xylene	13.04	106	394122	52.067	ug/l	97
70) Styrene	13.06	104	633975	48.505	ug/l	100
71) Bromoform	13.21	173	187878	55.398	ug/l	98
73) Isopropylbenzene	13.39	105	1071879	45.581	ug/l	98
74) N-amyl acetate	13.25	43	289029	47.725	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	228385	49.560	ug/l	98
76) 1,2,3-Trichloropropane	13.72	75	223513	49.930	ug/l	98
77) Bromobenzene	13.66	156	328330	48.671	ug/l	100
78) n-propylbenzene	13.76	91	1288976	47.882	ug/l	97
79) 2-Chlorotoluene	13.83	91	752889	46.173	ug/l	98
80) 1,3,5-Trimethylbenzene	13.92	105	908208	48.436	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.46	75	68568	50.545	ug/l	99
82) 4-Chlorotoluene	13.93	91	885494	49.311	ug/l	94
83) tert-Butylbenzene	14.18	119	1038487	47.809	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	877649	49.020	ug/l	100
85) sec-Butylbenzene	14.36	105	1145466	48.805	ug/l	97
86) p-Isopropyltoluene	14.47	119	1044679	49.734	ug/l	95
87) 1,3-Dichlorobenzene	14.45	146	574269	48.612	ug/l	98
88) 1,4-Dichlorobenzene	14.52	146	558289	50.534	ug/l	98
89) n-Butylbenzene	14.79	91	935591	49.612	ug/l	98
90) Hexachloroethane	15.00	117	296195	52.147	ug/l	91
91) 1,2-Dichlorobenzene	14.80	146	482025	49.465	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	32905	48.418	ug/l	90

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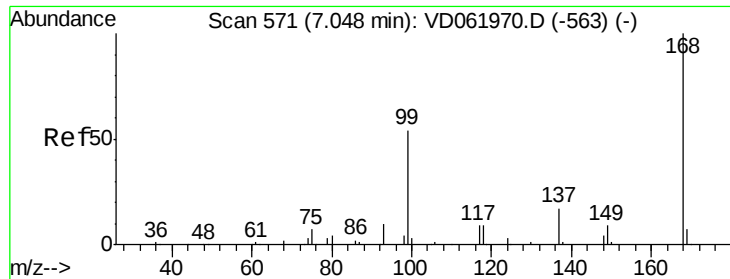
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	268666	51.098	ug/l	96
94) Hexachlorobutadiene	16.03	225	191297	49.164	ug/l	99
95) Naphthalene	16.11	128	352941	41.574	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	145083	48.633	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.01 min Scan# 568

Delta R.T. -0.04 min

Lab File: VD062060.D

Acq: 29 Apr 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 577766

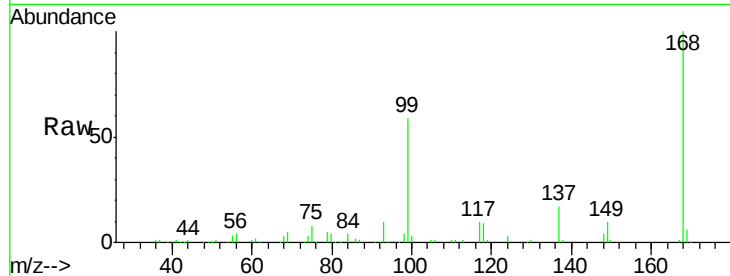
Ion Ratio Lower Upper

168 100

99 59.4 46.5 69.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.01

200000

150000

100000

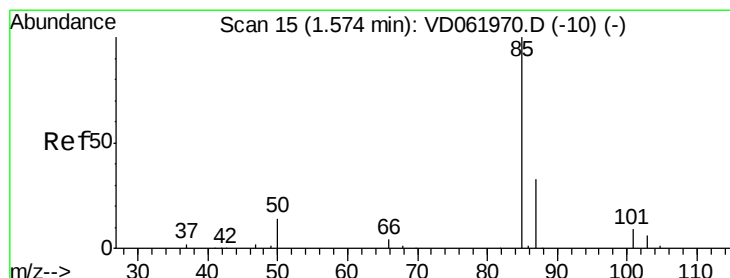
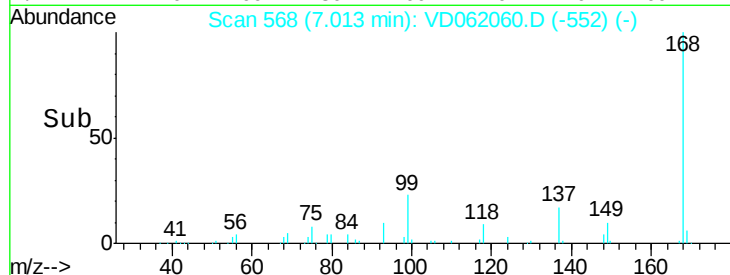
50000

0

Time--> 6.80

7.00

7.20



#2

Dichlorodifluoromethane

Concen: 51.041 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.02 min

Lab File: VD062060.D

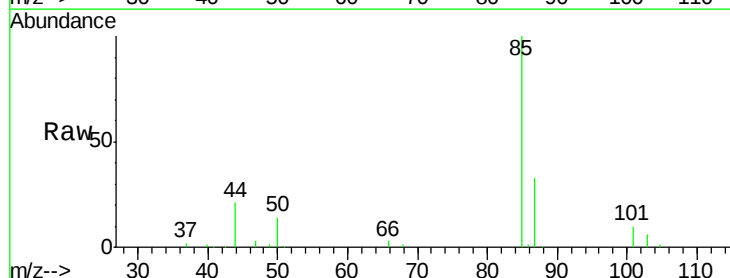
Acq: 29 Apr 2019 13:43

Tgt Ion: 85 Resp: 263324

Ion Ratio Lower Upper

85 100

87 33.1 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

100000

50000

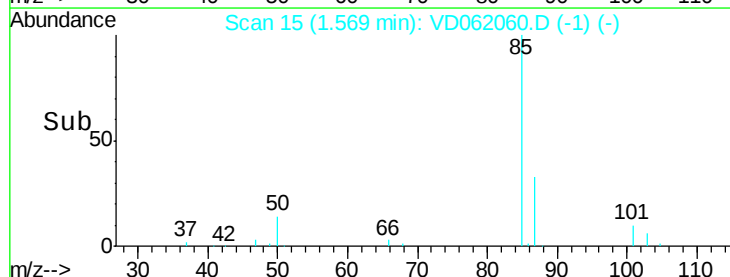
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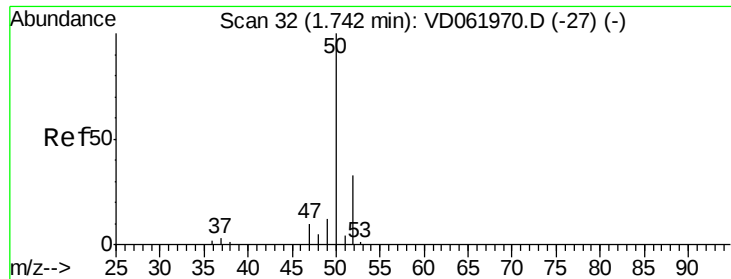
Time--> 1.50

1.60

1.70

1.80





#3

Chloromethane

Concen: 44.684 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.02 min

Lab File: VD062060.D

Acq: 29 Apr 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 195929

Ion Ratio Lower Upper

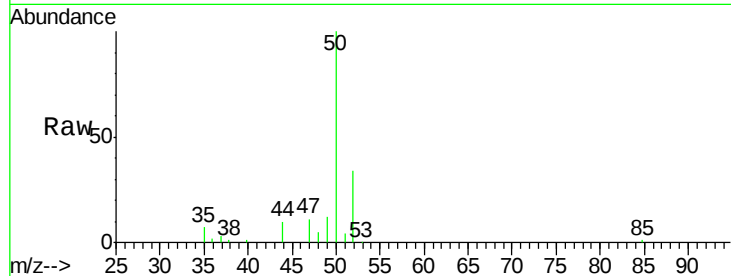
50 100

52 34.4 25.2 37.8

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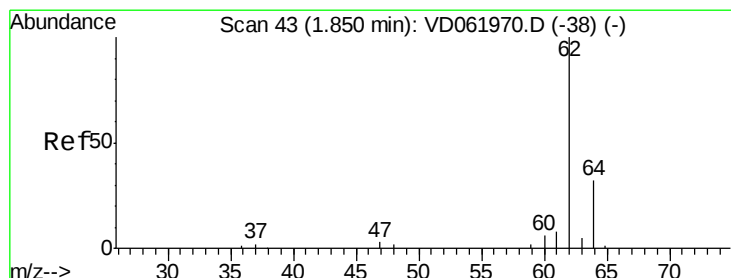
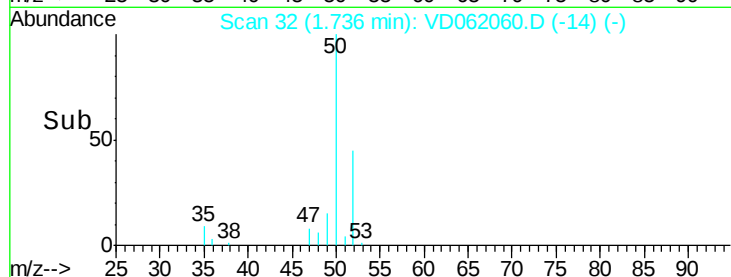
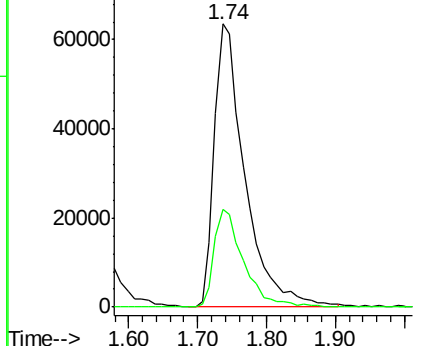
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 46.963 ug/l

RT: 1.83 min Scan# 42

Delta R.T. -0.02 min

Lab File: VD062060.D

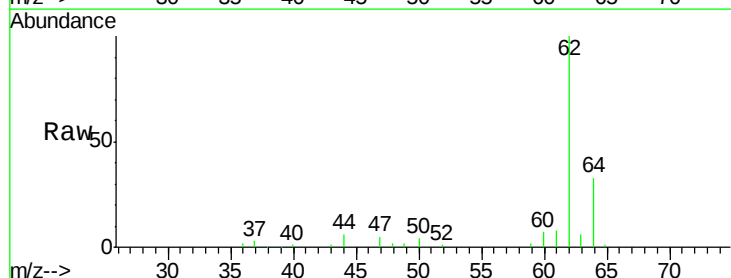
Acq: 29 Apr 2019 13:43

Tgt Ion: 62 Resp: 186643

Ion Ratio Lower Upper

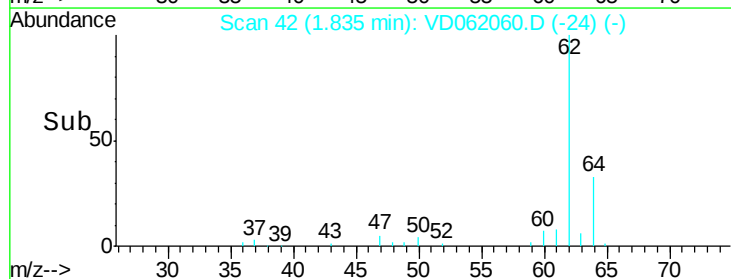
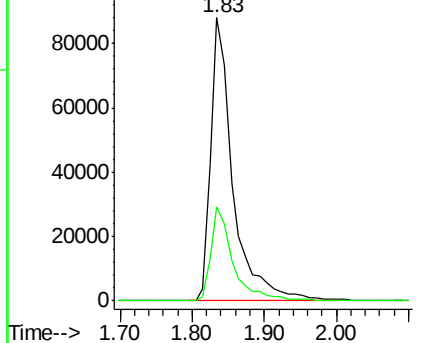
62 100

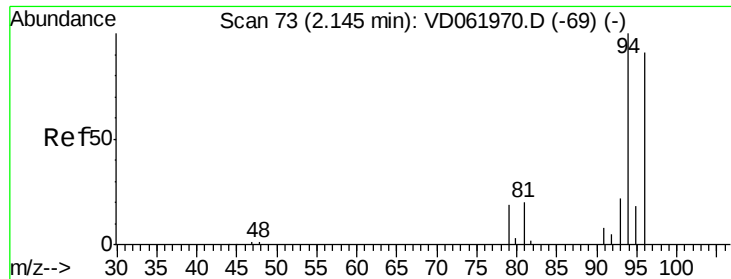
64 33.3 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 69.668 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.02 min

Lab File: VD062060.D

Acq: 29 Apr 2019 13:43

Instrument :

MSVOA_D

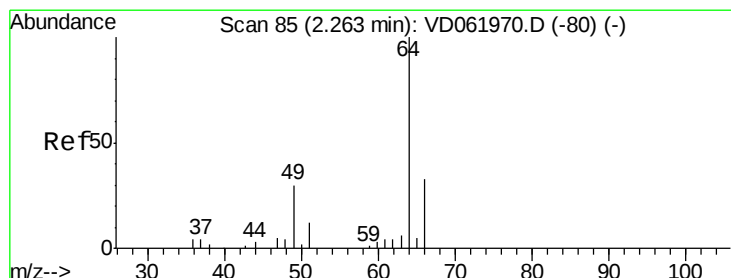
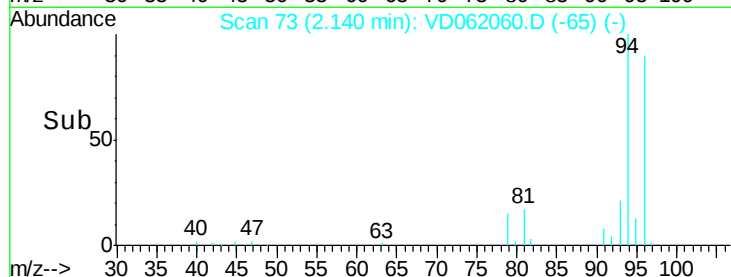
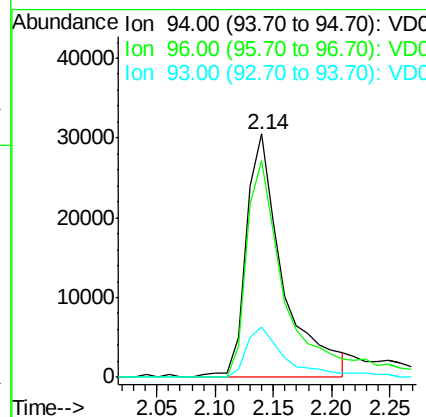
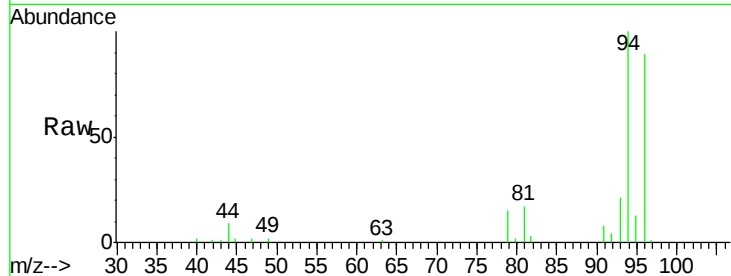
ClientSampleId :

VSTDCCC050

Tot Ion:	94	Resp:	66890
Ion	Ratio	Lower	Upper
94	100		
96	90.1	76.6	115.0
93	20.9	18.5	27.7

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#6

Chloroethane

Concen: 53.762 ug/l

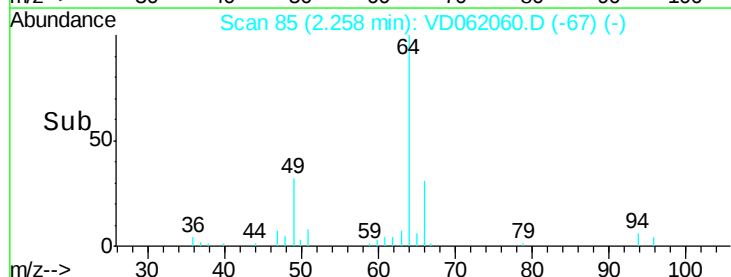
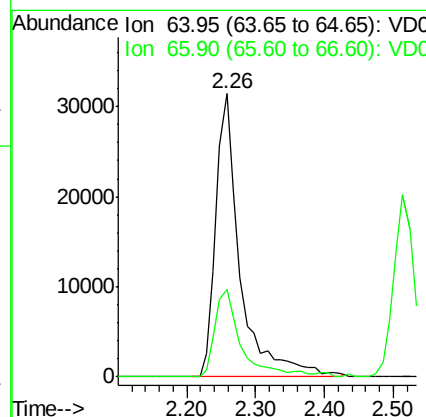
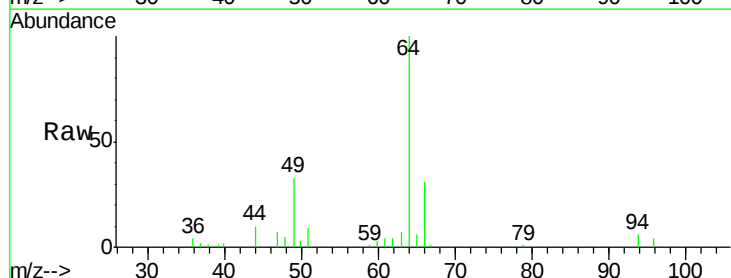
RT: 2.26 min Scan# 85

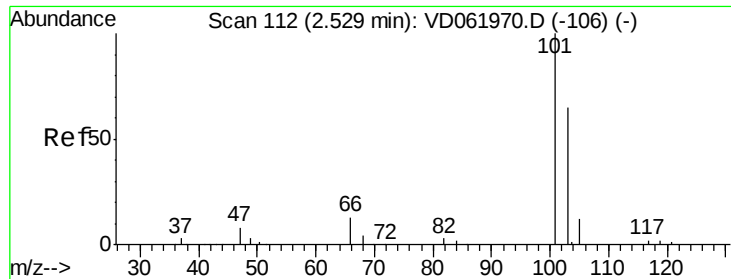
Delta R.T. -0.02 min

Lab File: VD062060.D

Acq: 29 Apr 2019 13:43

Tgt Ion:	64	Resp:	77234
Ion	Ratio	Lower	Upper
64	100		
66	30.9	25.6	38.4





#7

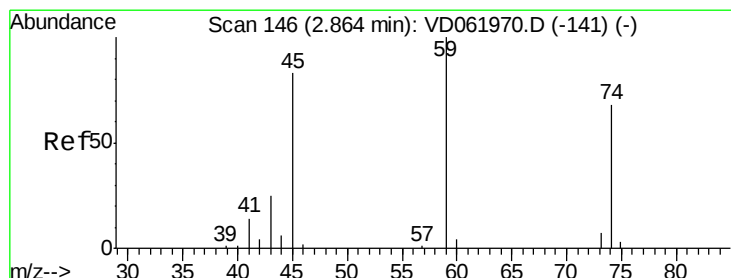
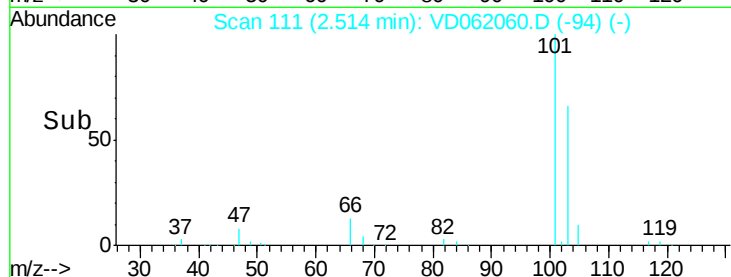
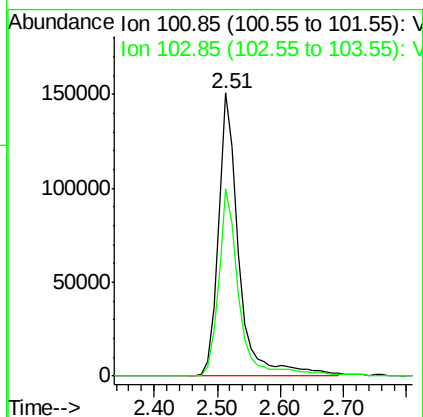
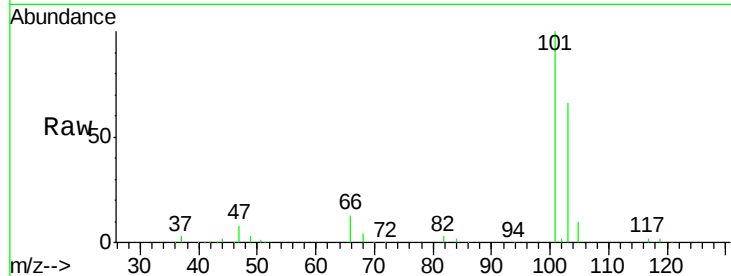
Trichlorofluoromethane
Concen: 57.460 ug/l
RT: 2.51 min Scan# 111
Delta R.T. -0.03 min
Lab File: VD062060.D
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VSTDCCC050

Tot Ion:101 Resp: 345275
Ion Ratio Lower Upper
101 100
103 66.0 53.6 80.4

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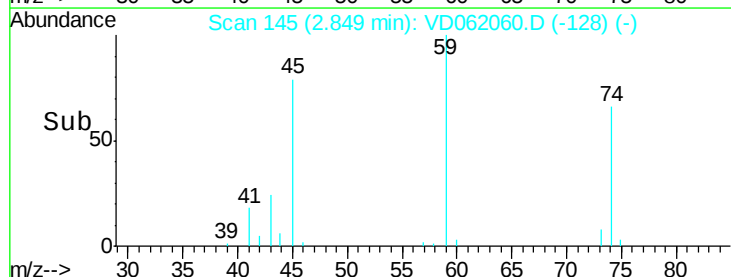
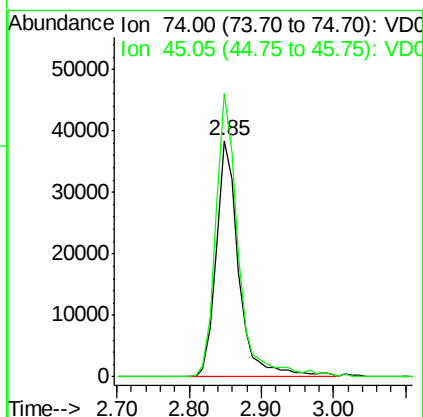
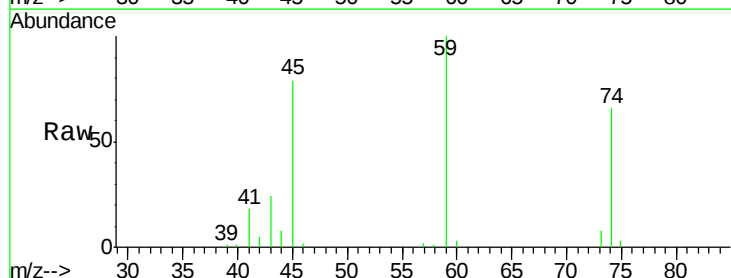
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#8

Diethyl Ether
Concen: 51.348 ug/l
RT: 2.85 min Scan# 145
Delta R.T. -0.03 min
Lab File: VD062060.D
Acq: 29 Apr 2019 13:43

Tgt Ion: 74 Resp: 82696
Ion Ratio Lower Upper
74 100
45 119.7 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.586 ug/l

RT: 3.13 min Scan# 174

Delta R.T. -0.03 min

Lab File: VD062060.D

Acq: 29 Apr 2019 13:43

Instrument :

MSVOA_D

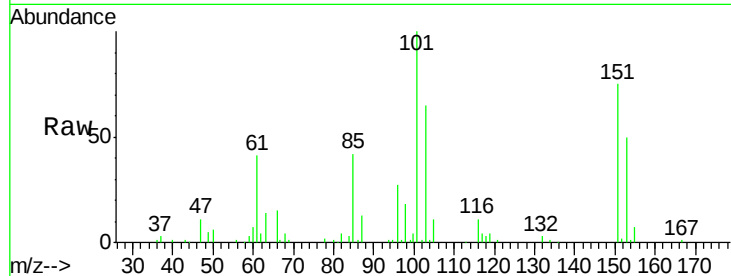
ClientSampleId :

VSTDCCC050

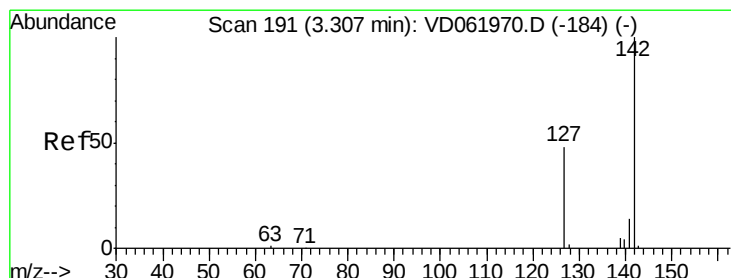
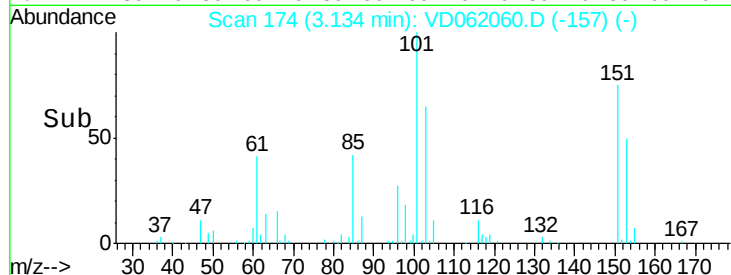
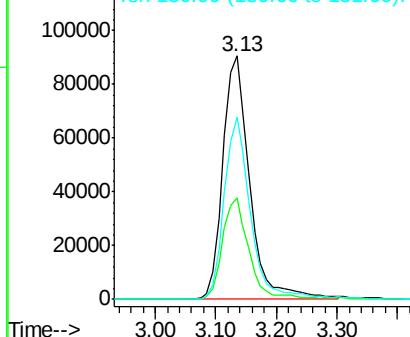
Tot Ion:	101	Resp:	280016
Ion Ratio	Lower	Upper	
101	100		
85	41.8	32.4	48.6
151	74.9	59.4	89.0

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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: 47.018 ug/l

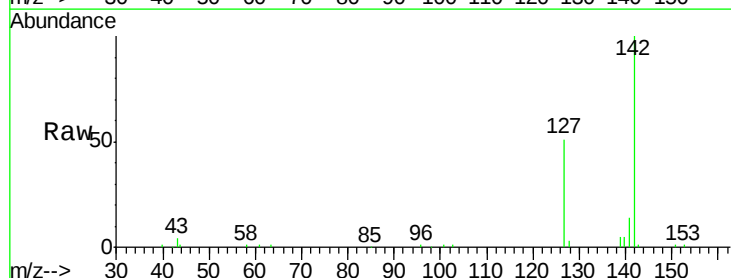
RT: 3.28 min Scan# 189

Delta R.T. -0.04 min

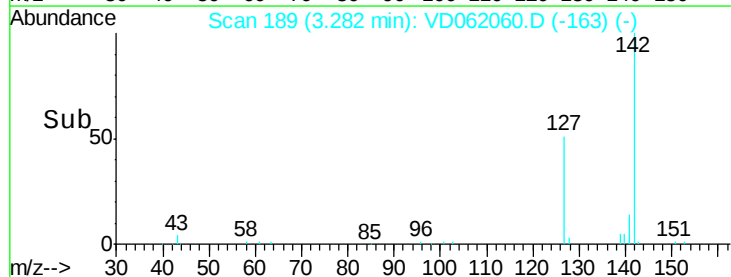
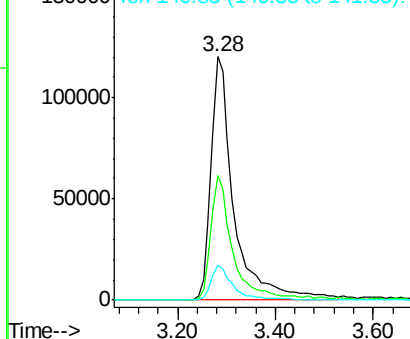
Lab File: VD062060.D

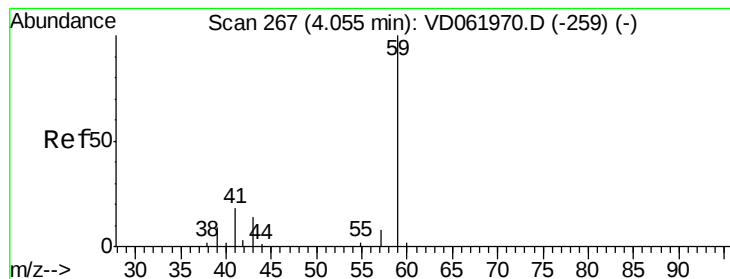
Acq: 29 Apr 2019 13:43

Tgt Ion:	142	Resp:	393453
Ion Ratio	Lower	Upper	
142	100		
127	51.1	38.8	58.2
141	14.3	11.4	17.0



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

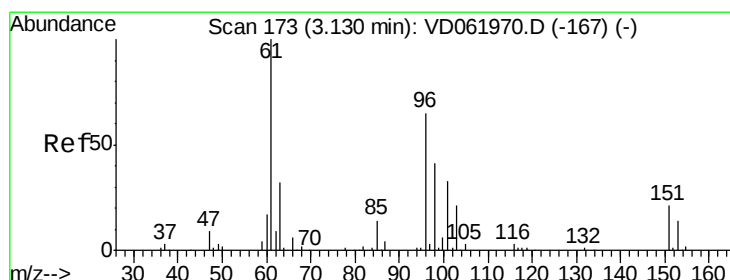
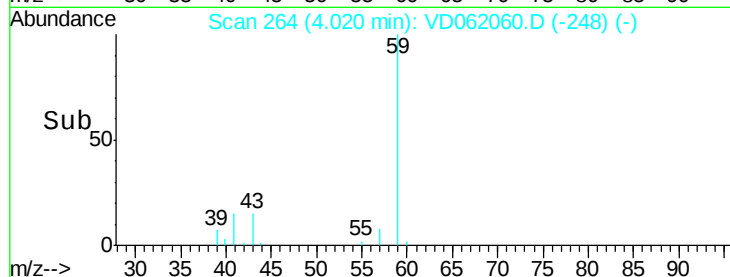
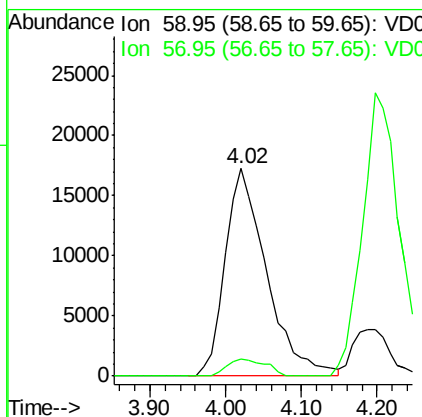
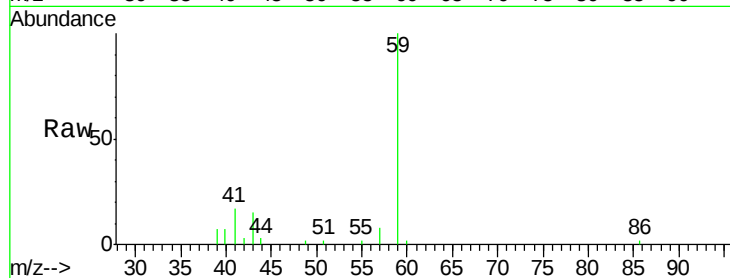
Tert butyl alcohol
 Concen: 256.827 ug/l
 RT: 4.02 min Scan# 264
 Delta R.T. -0.04 min
 Lab File: VD062060.D
 Acq: 29 Apr 2019 13:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.0	6.9	10.3

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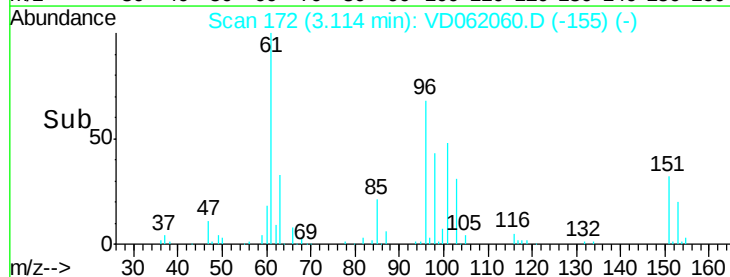
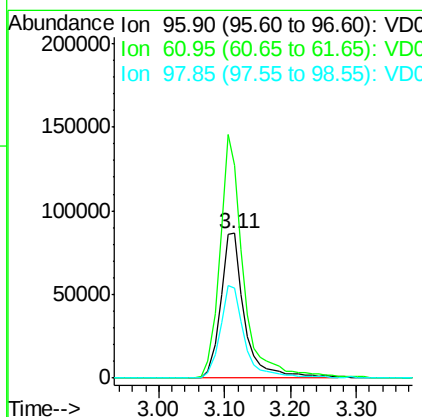
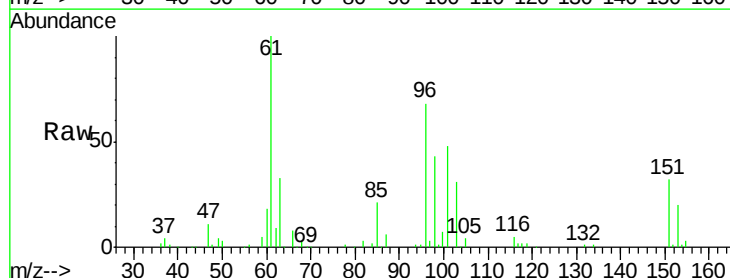
MMDadoda
 5/1/2019 9:27:55 AM

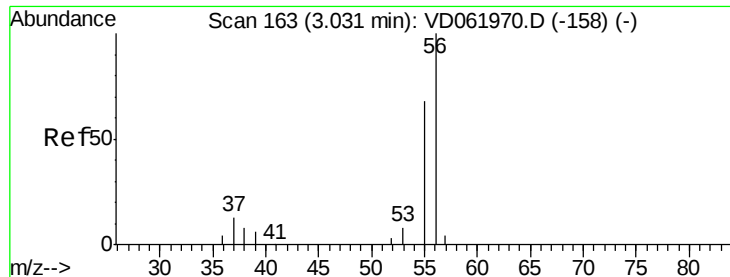


#12

1,1-Dichloroethene
 Concen: 46.745 ug/l
 RT: 3.11 min Scan# 172
 Delta R.T. -0.03 min
 Lab File: VD062060.D
 Acq: 29 Apr 2019 13:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.8	129.8	194.8
98	62.4	51.2	76.8





#13

Acrolein

Concen: 263.546 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.03 min

Lab File: VD062060.D

Acq: 29 Apr 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 69863

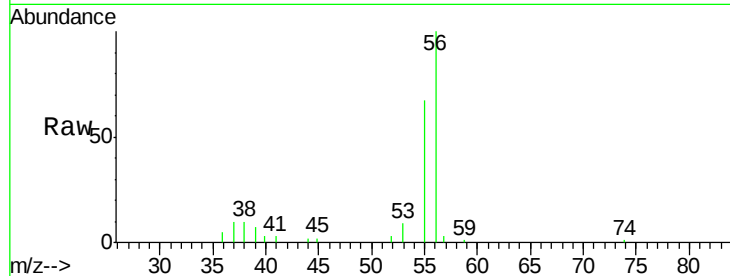
Ion Ratio Lower Upper

56 100

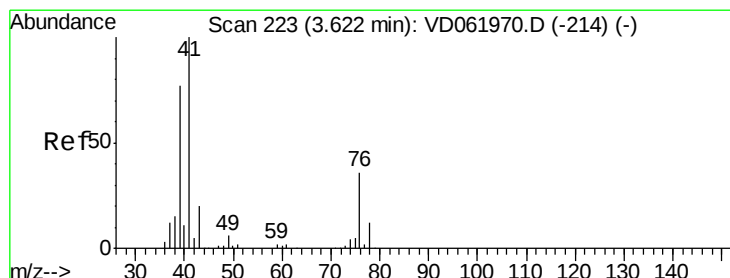
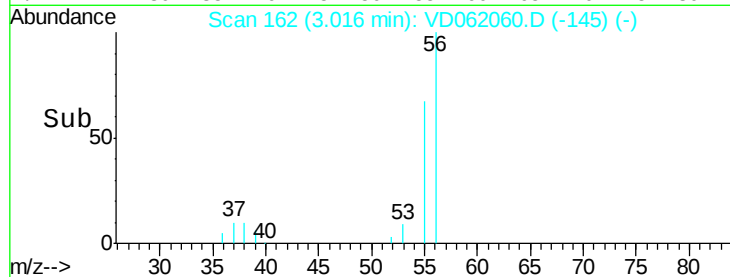
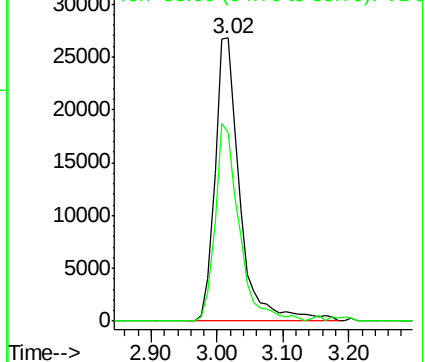
55 66.7 51.4 77.2

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Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 47.648 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.04 min

Lab File: VD062060.D

Acq: 29 Apr 2019 13:43

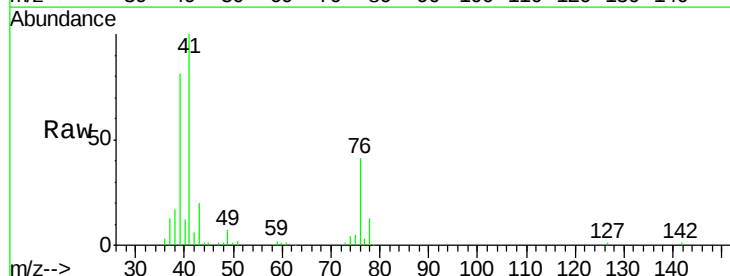
Tgt Ion: 41 Resp: 306411

Ion Ratio Lower Upper

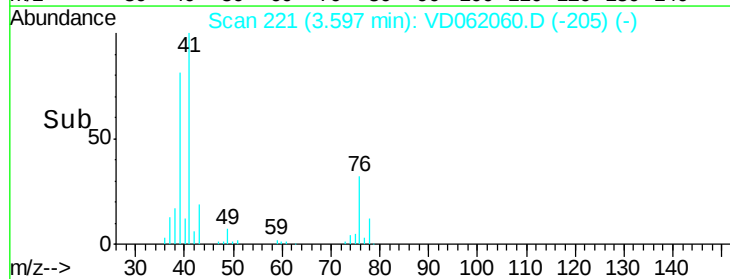
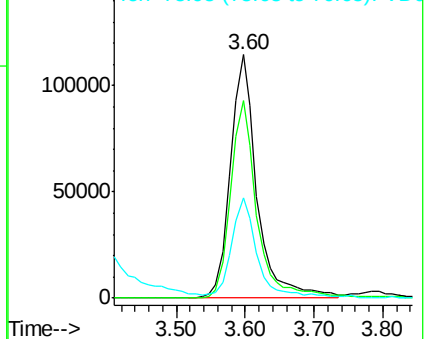
41 100

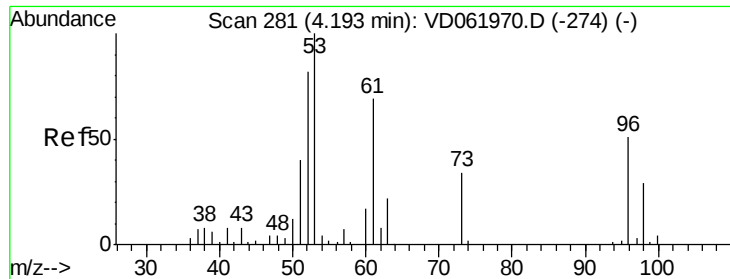
39 80.9 60.5 90.7

76 41.1 31.8 47.8



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





#15

Acrylonitrile

Concen: 238.895 ug/l

RT: 4.16 min Scan# 278

Delta R.T. -0.05 min

Lab File: VD062060.D

Acq: 29 Apr 2019 13:43

Instrument :

MSVOA_D

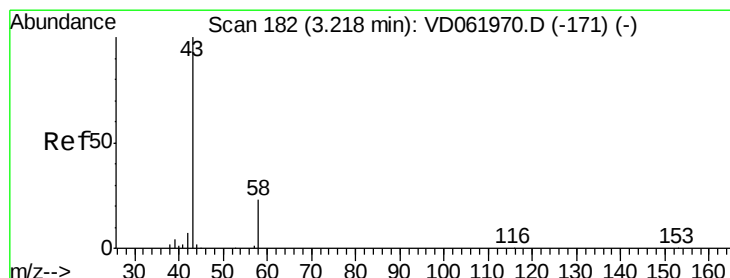
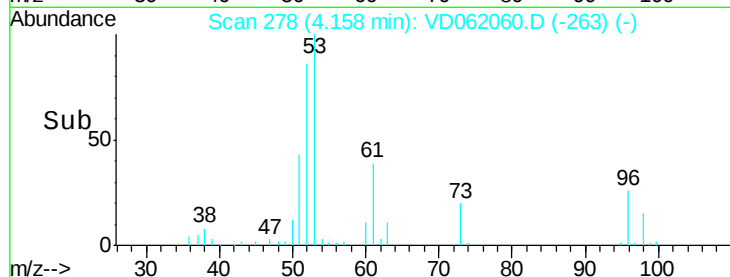
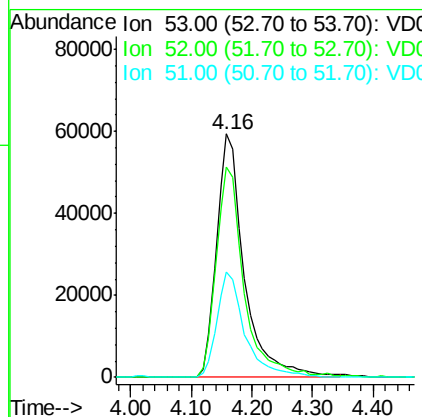
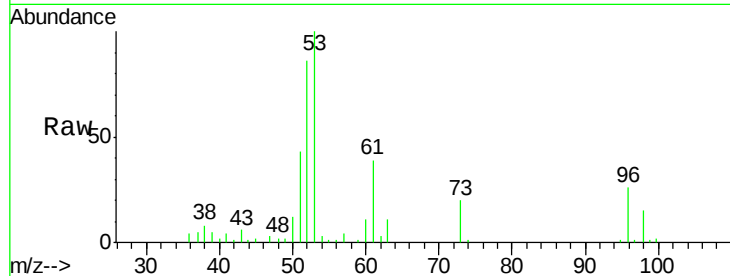
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	188999
Ion	Ratio	Lower	Upper
53	100		
52	86.4	65.0	97.4
51	43.2	32.6	48.8

Manual Integrations
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#16

Acetone

Concen: 265.119 ug/l

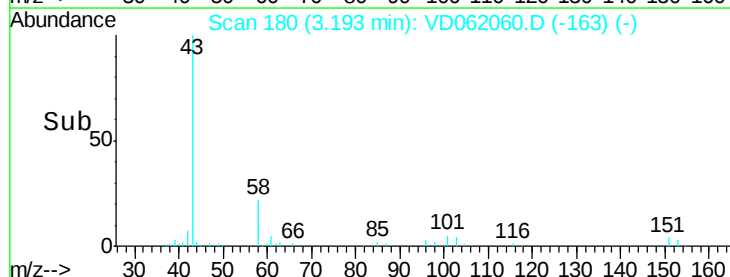
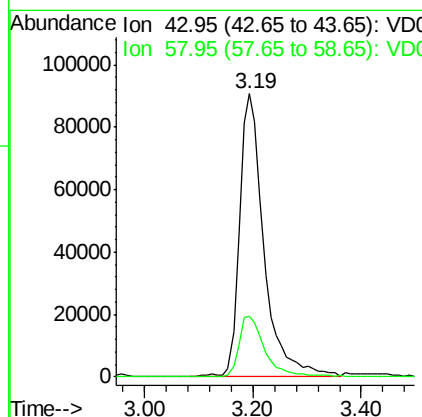
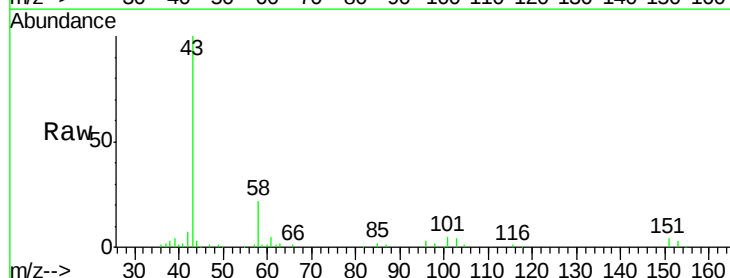
RT: 3.19 min Scan# 180

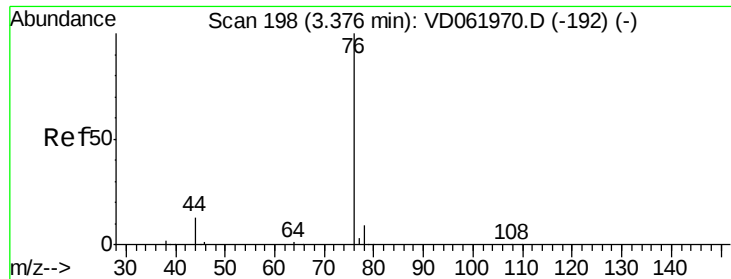
Delta R.T. -0.03 min

Lab File: VD062060.D

Acq: 29 Apr 2019 13:43

Tgt Ion:	43	Resp:	286249
Ion	Ratio	Lower	Upper
43	100		
58	21.6	19.9	29.9





#17

Carbon Disulfide

Concen: 47.963 ug/l

RT: 3.35 min Scan# 196

Delta R.T. -0.04 min

Lab File: VD062060.D

Acq: 29 Apr 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 652724

Ion Ratio Lower Upper

76 100

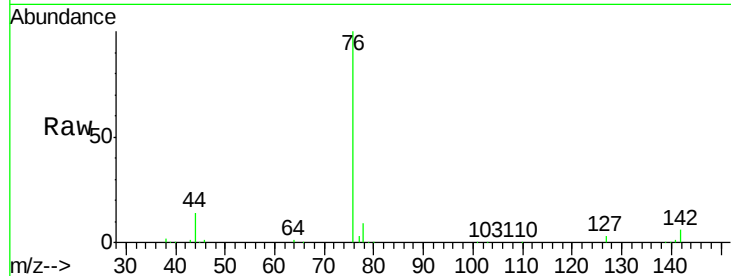
78 9.1 7.2 10.8

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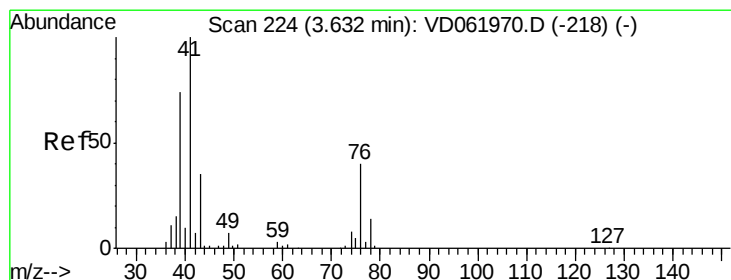
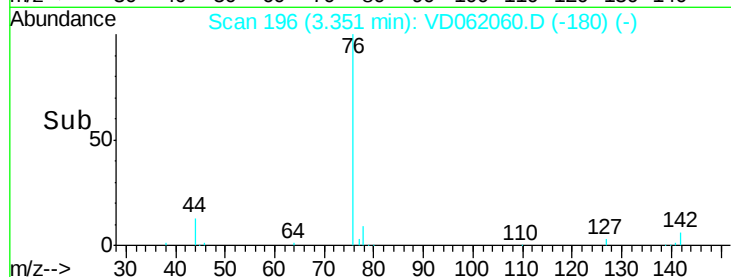
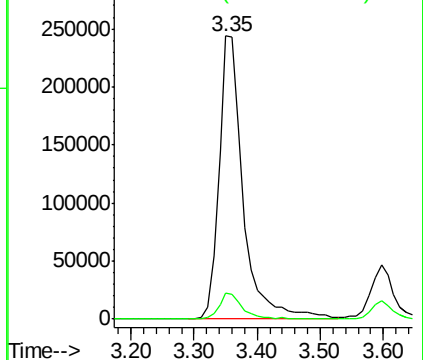
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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 49.088 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.04 min

Lab File: VD062060.D

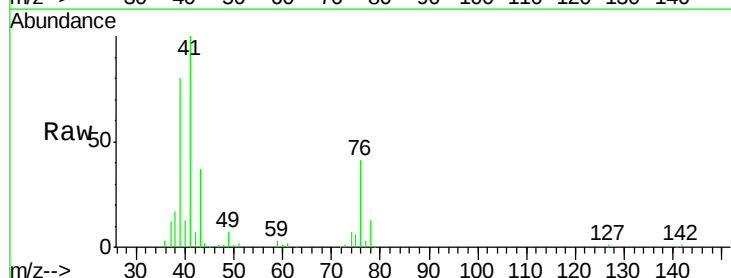
Acq: 29 Apr 2019 13:43

Tgt Ion: 43 Resp: 96197

Ion Ratio Lower Upper

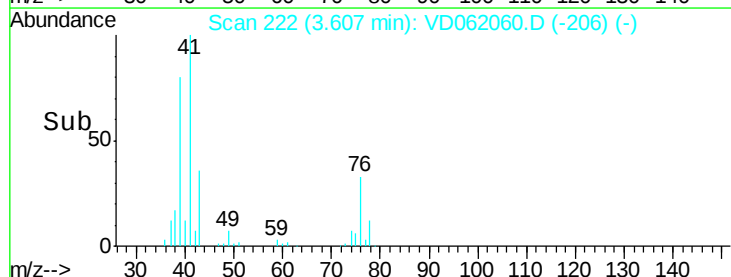
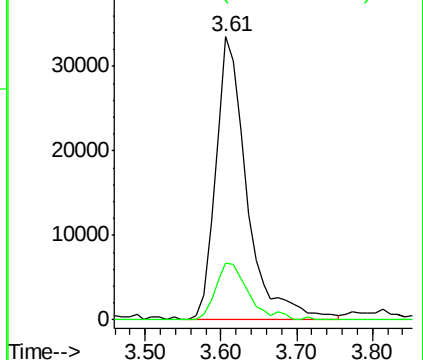
43 100

74 20.2 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





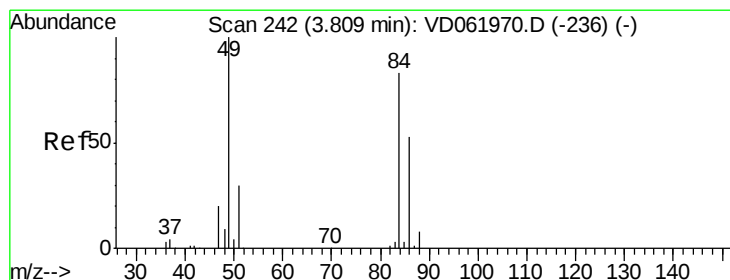
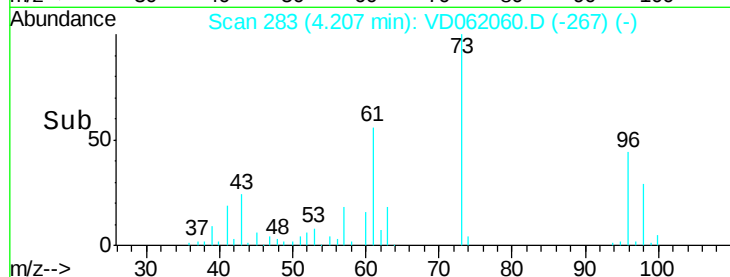
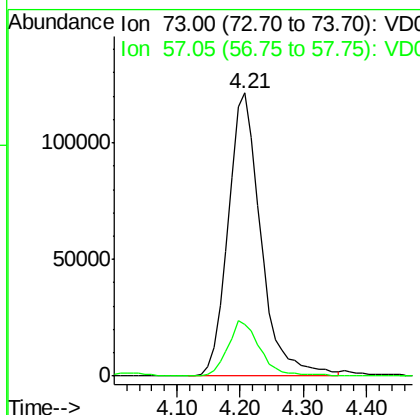
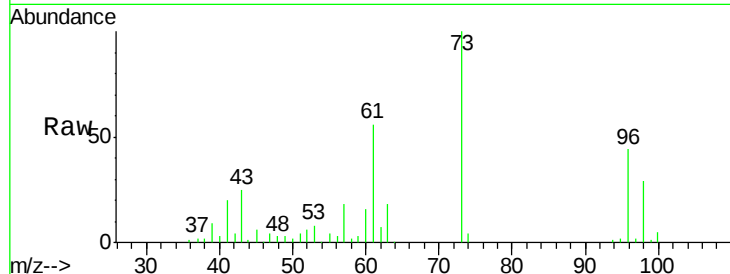
#19
Methvl tert-butvl Ether
Concen: 46.579 ug/l
RT: 4.21 min Scan# 283
Delta R.T. -0.04 min
Lab File: VD062060.D
Acq: 29 Apr 2019 13:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 435235
Ion Ratio Lower Upper
73 100
57 18.4 16.3 24.5

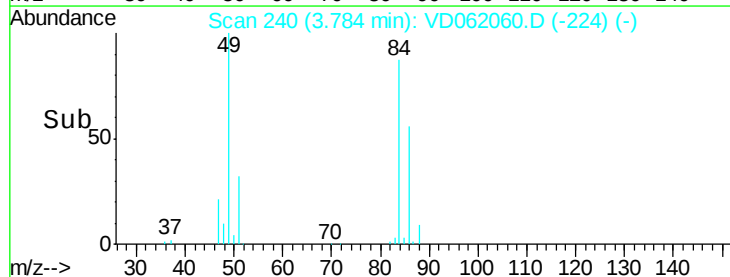
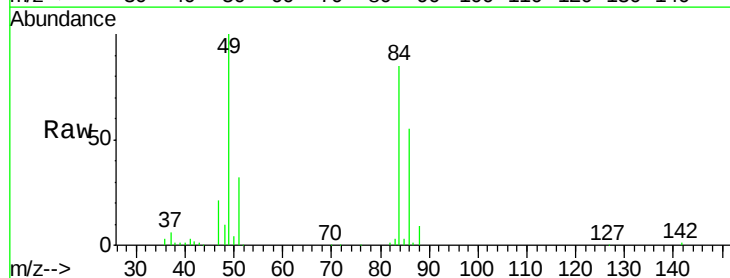
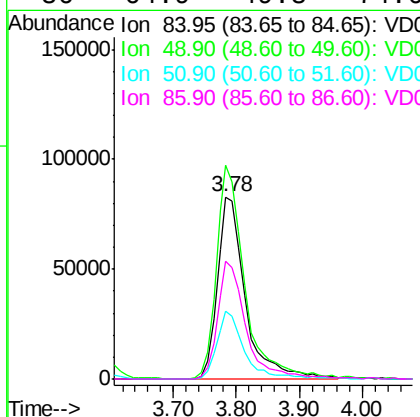
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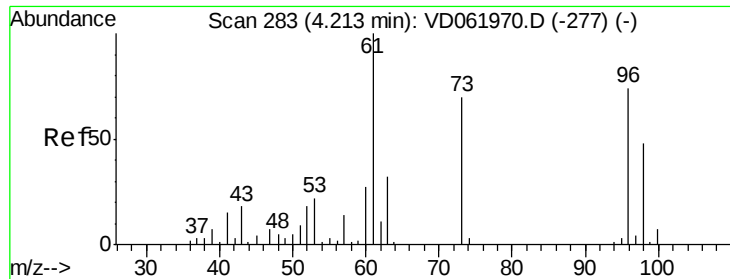
MMDadoda
5/1/2019 9:27:55 AM



#20
Methylene Chloride
Concen: 48.863 ug/l
RT: 3.78 min Scan# 240
Delta R.T. -0.04 min
Lab File: VD062060.D
Acq: 29 Apr 2019 13:43

Tgt Ion: 84 Resp: 257217
Ion Ratio Lower Upper
84 100
49 117.5 94.0 141.0
51 37.3 29.0 43.4
86 64.9 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 45.925 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.03 min

Lab File: VD062060.D

Acq: 29 Apr 2019 13:43

Instrument :

MSVOA_D

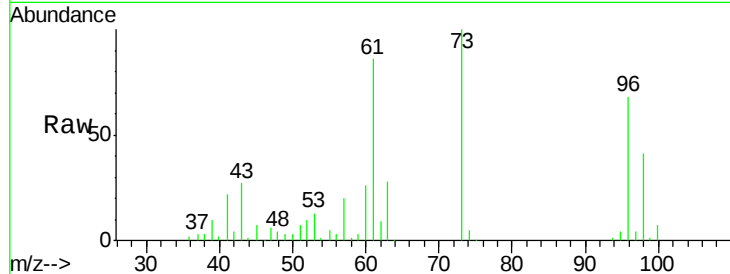
ClientSampleId :

VSTDCCC050

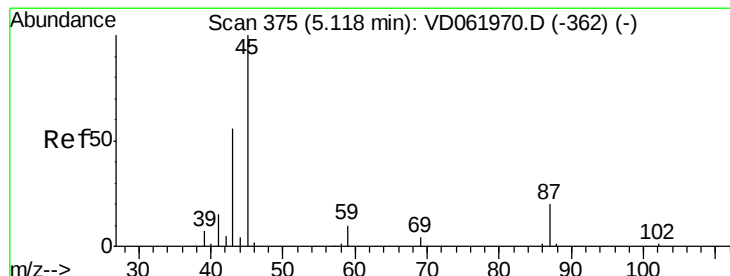
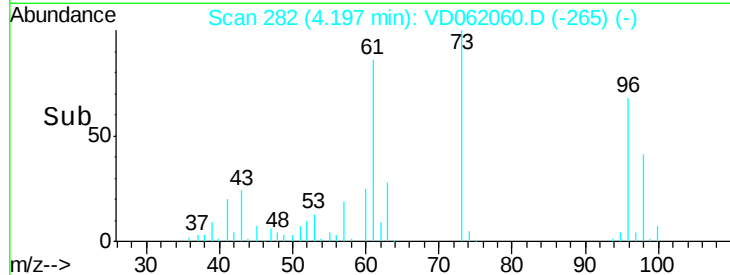
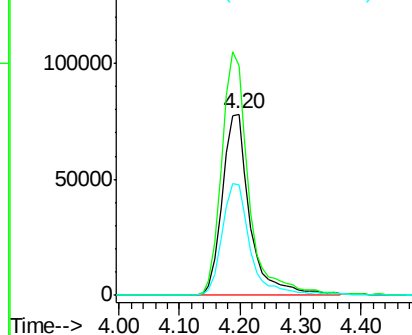
Tot Ion:	96	Resp:	248114
Ion	Ratio	Lower	Upper
96	100		
61	126.9	104.4	156.6
98	60.7	51.8	77.8

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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: 47.737 ug/l

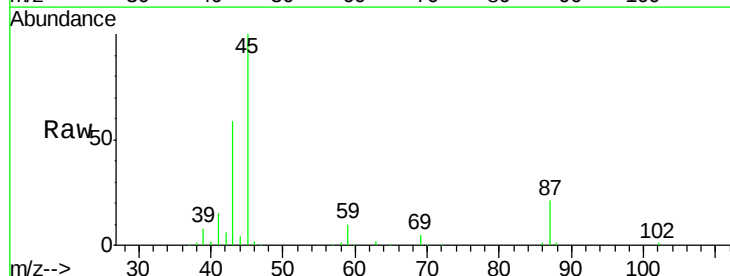
RT: 5.08 min Scan# 372

Delta R.T. -0.04 min

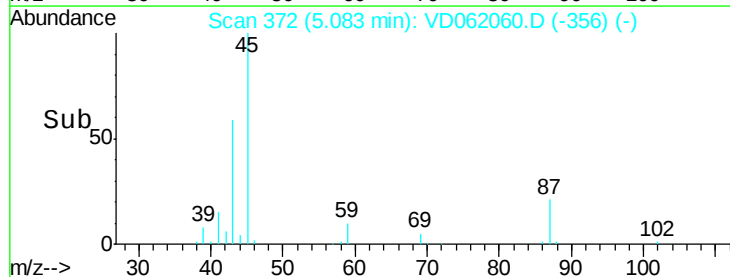
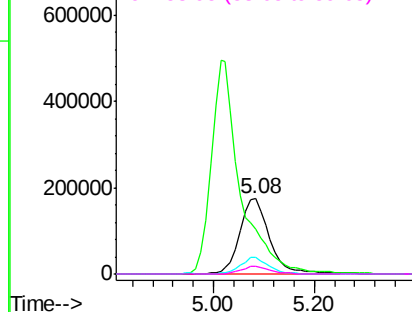
Lab File: VD062060.D

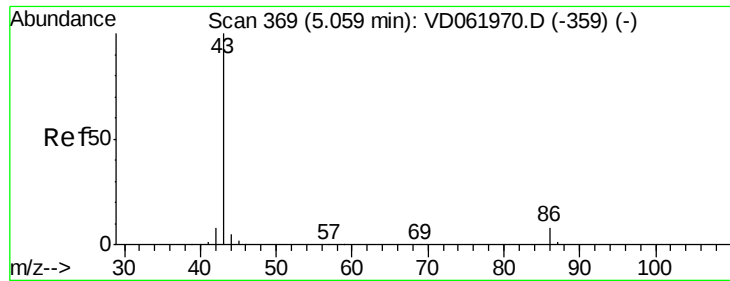
Acq: 29 Apr 2019 13:43

Tgt Ion:	45	Resp:	716715
Ion	Ratio	Lower	Upper
45	100		
43	59.3	46.2	69.2
87	21.3	15.9	23.9
59	10.4	7.9	11.9



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: 253.317 ug/l

RT: 5.01 min Scan# 365

Delta R.T. -0.05 min

Lab File: VD062060.D

Acq: 29 Apr 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1980618

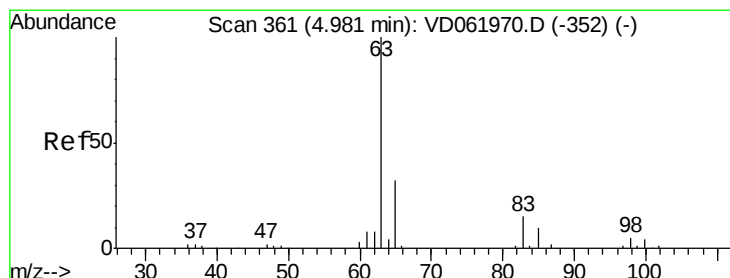
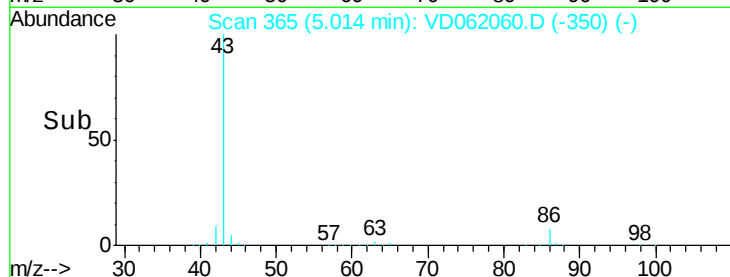
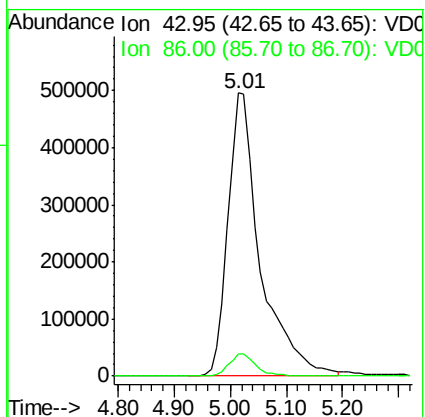
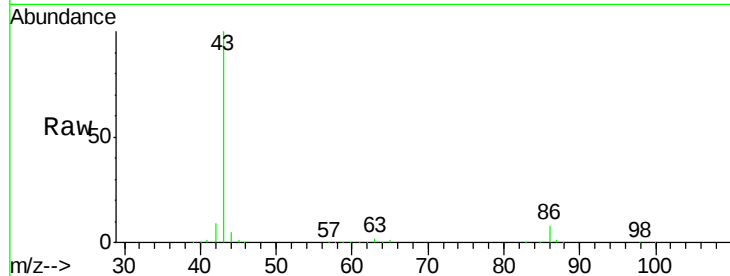
Ion Ratio Lower Upper

43 100

86 7.7 6.4 9.6

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#24

1,1-Dichloroethane

Concen: 48.175 ug/l

RT: 4.95 min Scan# 358

Delta R.T. -0.05 min

Lab File: VD062060.D

Acq: 29 Apr 2019 13:43

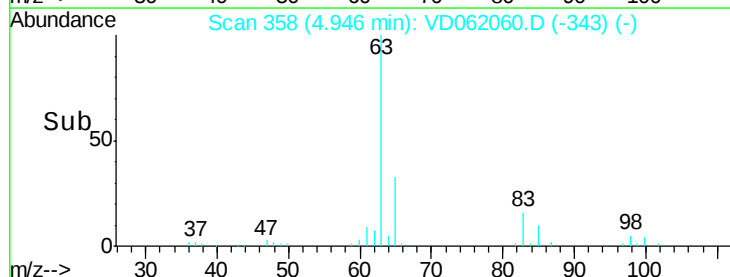
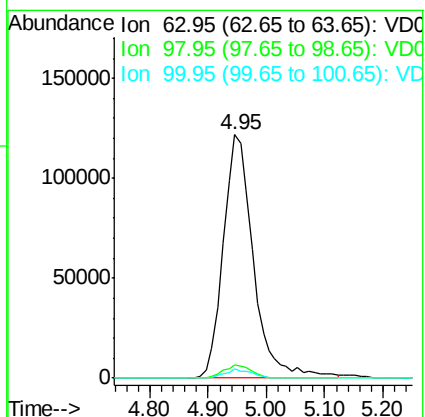
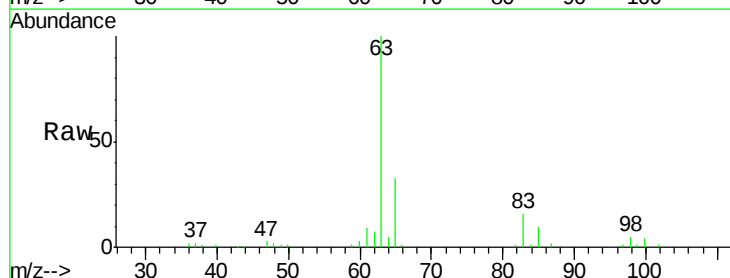
Tgt Ion: 63 Resp: 437163

Ion Ratio Lower Upper

63 100

98 5.4 2.8 8.4

100 3.7 1.8 5.5





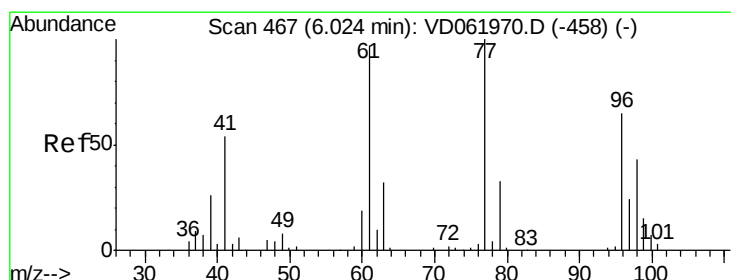
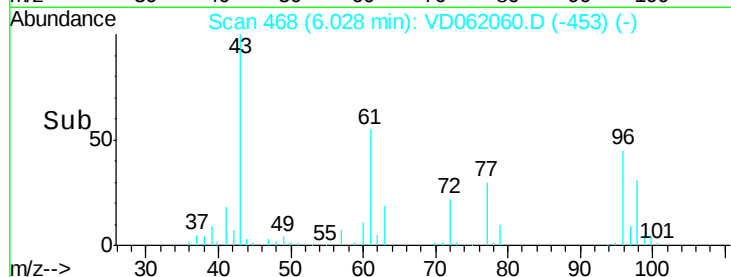
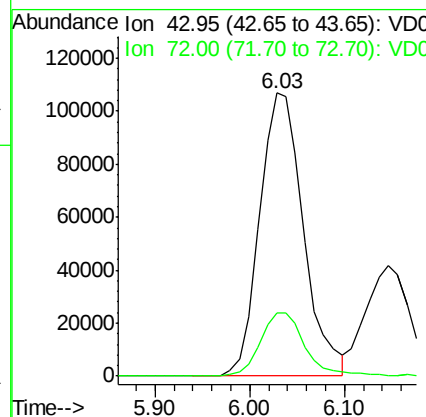
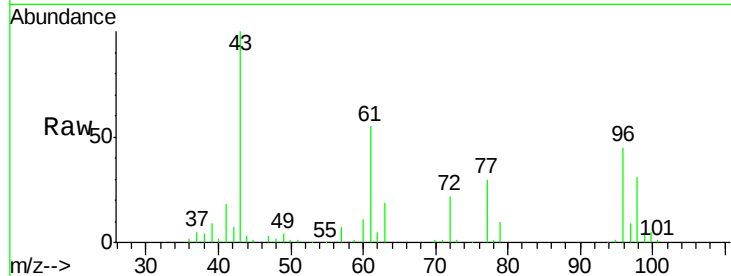
#25
2-Butanone
Concen: 262.294 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.05 min
Lab File: VD062060.D
Acq: 29 Apr 2019 13:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 343358
Ion Ratio Lower Upper
43 100
72 22.1 16.2 24.4

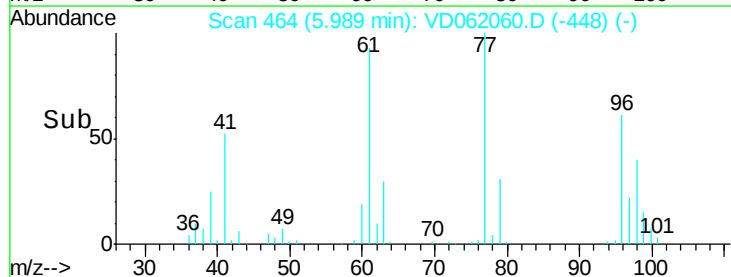
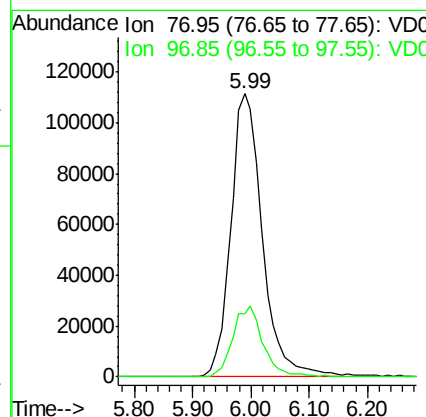
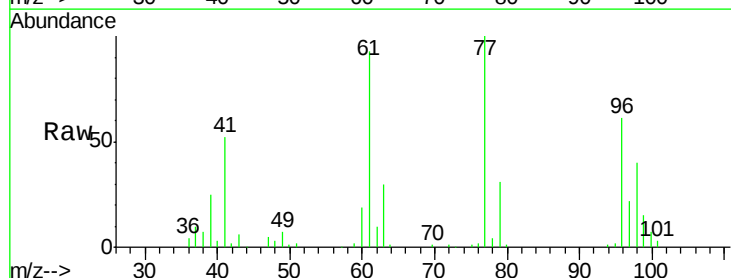
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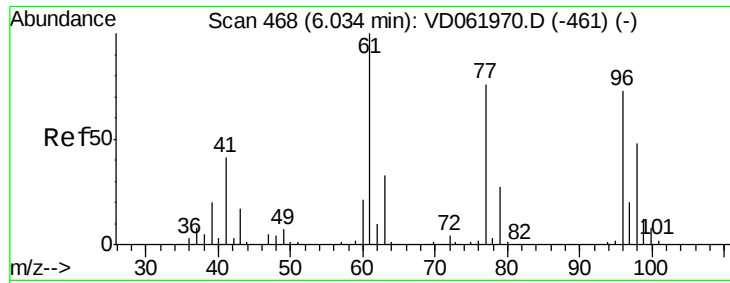
MMDadoda
5/1/2019 9:27:55 AM



#26
2,2-Dichloropropane
Concen: 53.008 ug/l
RT: 5.99 min Scan# 464
Delta R.T. -0.04 min
Lab File: VD062060.D
Acq: 29 Apr 2019 13:43

Tgt Ion: 77 Resp: 419646
Ion Ratio Lower Upper
77 100
97 22.3 11.9 35.9





#27

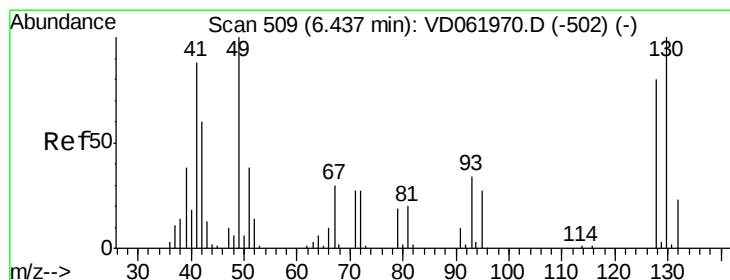
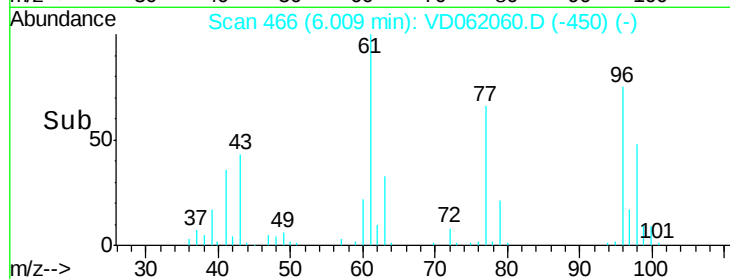
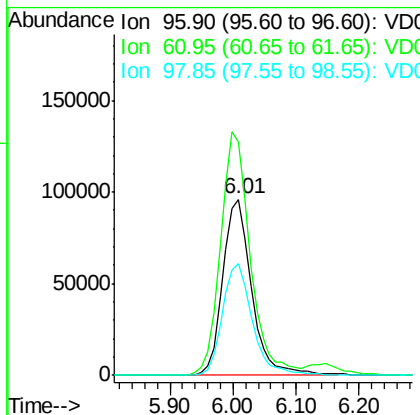
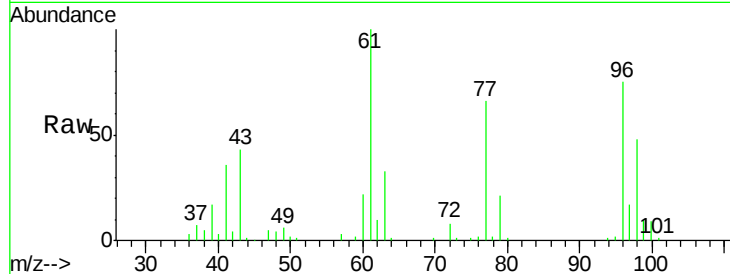
cis-1,2-Dichloroethene
Concen: 49.830 ug/l
RT: 6.01 min Scan# 466
Delta R.T. -0.04 min
Lab File: VD062060.D
Acq: 29 Apr 2019 13:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	306259		
61	132.9	0.0	279.8	
98	63.7	0.0	136.0	

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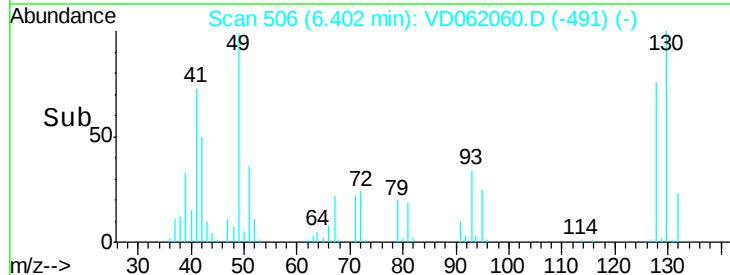
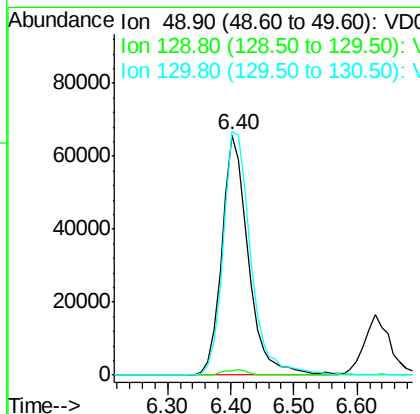
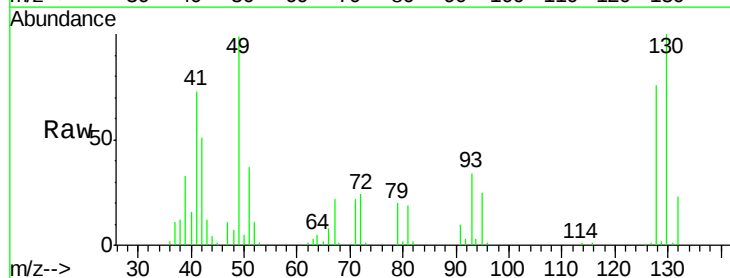
MMDadoda
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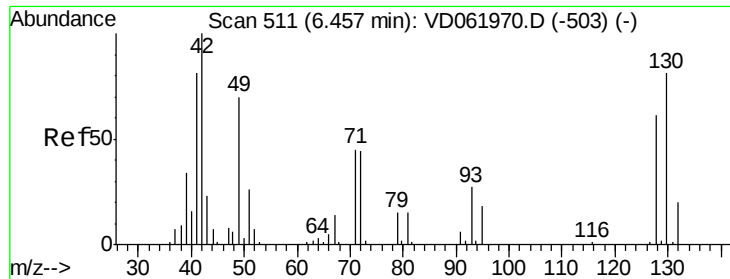


#28

Bromochloromethane
Concen: 55.103 ug/l
RT: 6.40 min Scan# 506
Delta R.T. -0.05 min
Lab File: VD062060.D
Acq: 29 Apr 2019 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	191325		
129	1.9	0.0	6.6	
130	101.4	86.7	130.1	





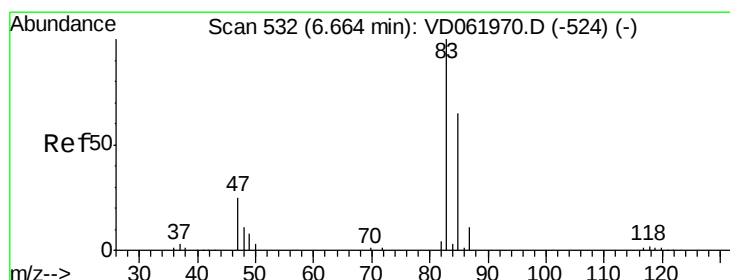
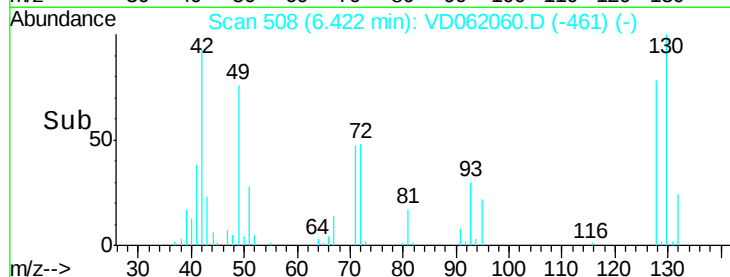
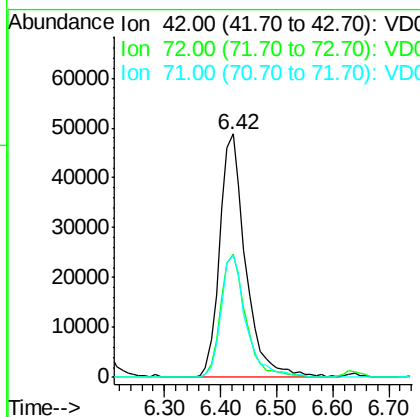
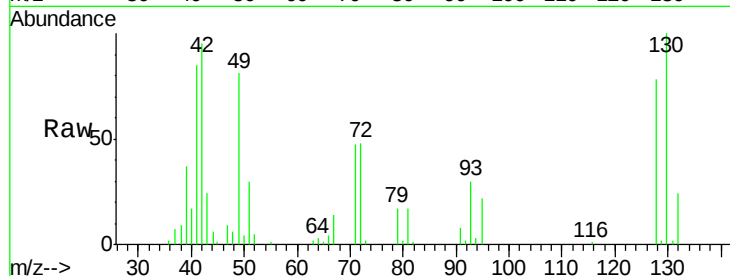
#29
Tetrahydrofuran
Concen: 243.951 ug/l
RT: 6.42 min Scan# 508
Delta R.T. -0.04 min
Lab File: VD062060.D
Acq: 29 Apr 2019 13:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.3	37.8	56.6
71	48.3	36.7	55.1

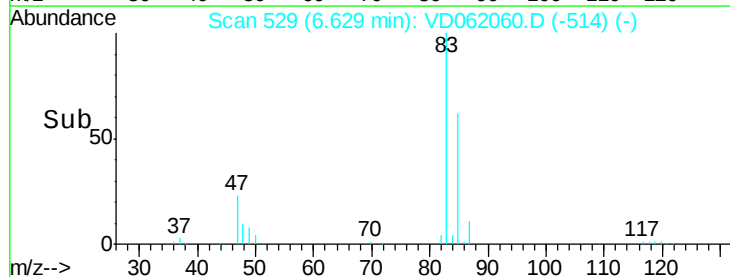
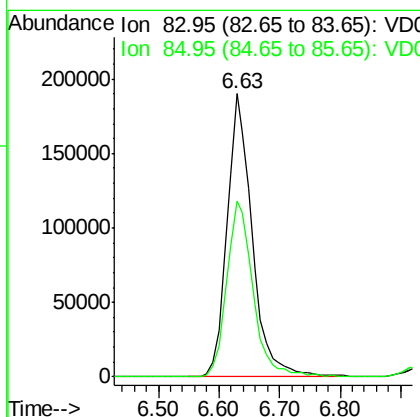
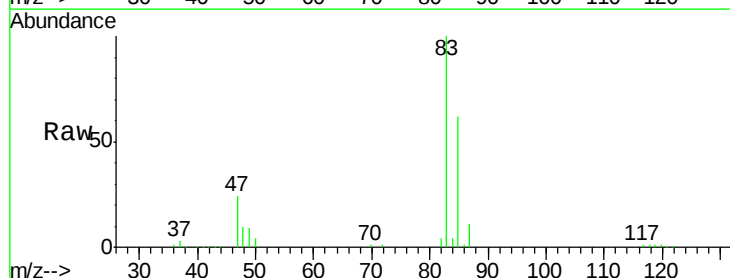
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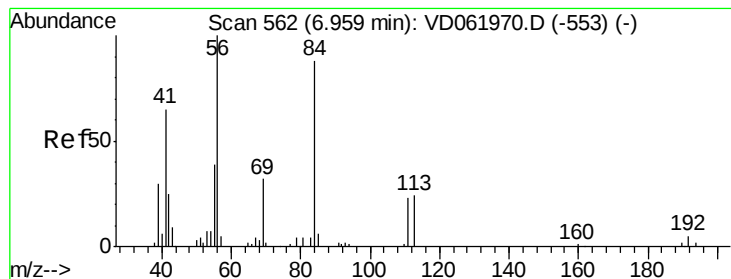
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#30
Chloroform
Concen: 52.928 ug/l
RT: 6.63 min Scan# 529
Delta R.T. -0.05 min
Lab File: VD062060.D
Acq: 29 Apr 2019 13:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.7	77.5





#31

Cyclohexane

Concen: 50.757 ug/l

RT: 6.92 min Scan# 559

Delta R.T. -0.04 min

Lab File: VD062060.D

Acq: 29 Apr 2019 13:43

Instrument :

MSVOA_D

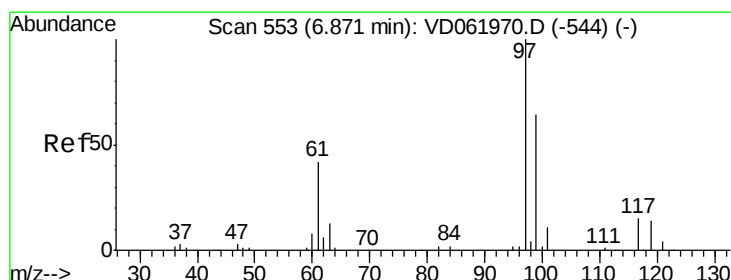
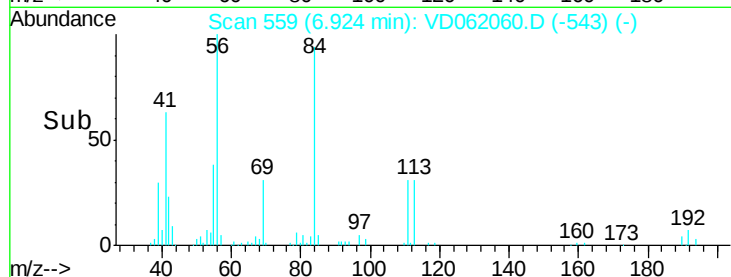
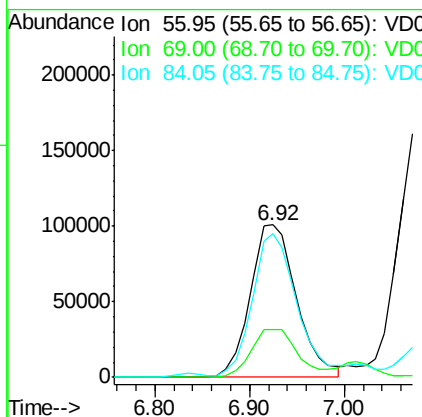
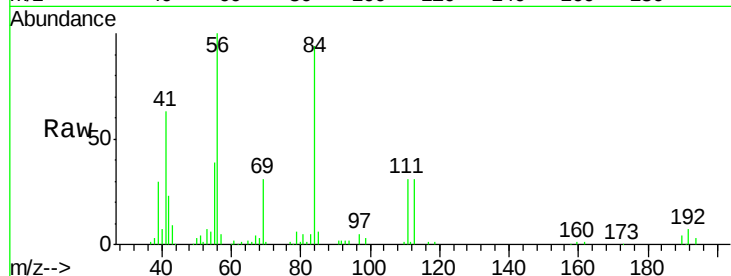
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	341882
Ion Ratio	Lower	Upper	
56	100		
69	31.2	25.8	38.6
84	93.9	72.2	108.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 53.690 ug/l

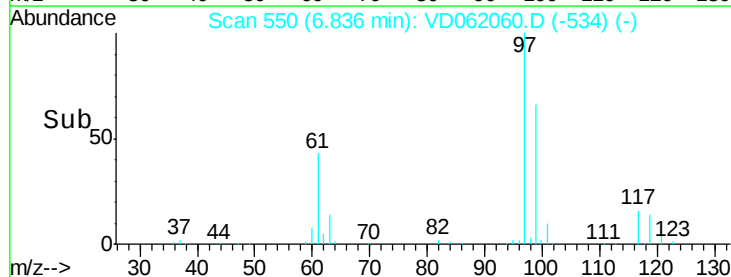
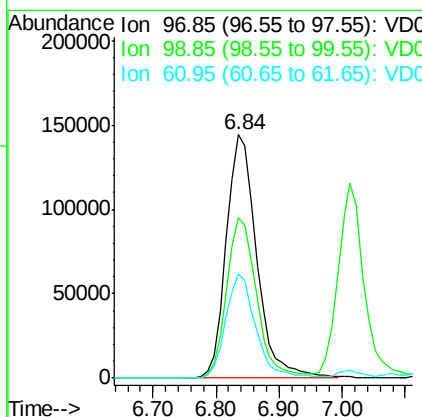
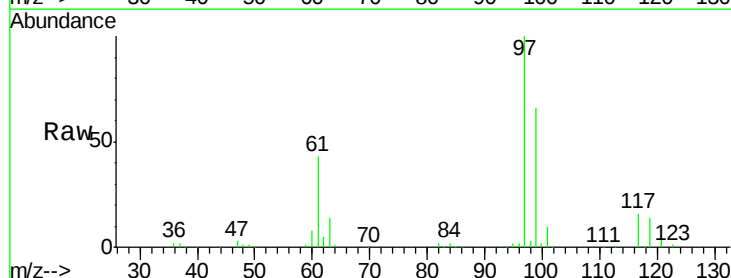
RT: 6.84 min Scan# 550

Delta R.T. -0.04 min

Lab File: VD062060.D

Acq: 29 Apr 2019 13:43

Tgt Ion:	97	Resp:	481498
Ion Ratio	Lower	Upper	
97	100		
99	65.6	52.2	78.2
61	42.9	32.4	48.6





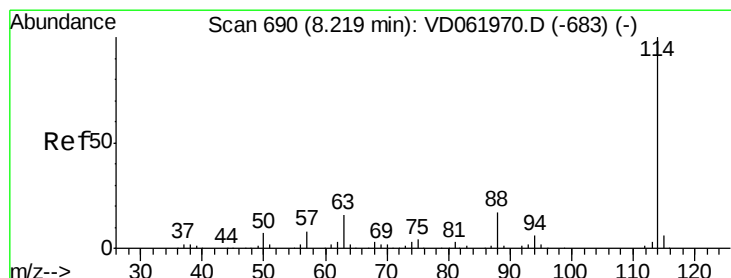
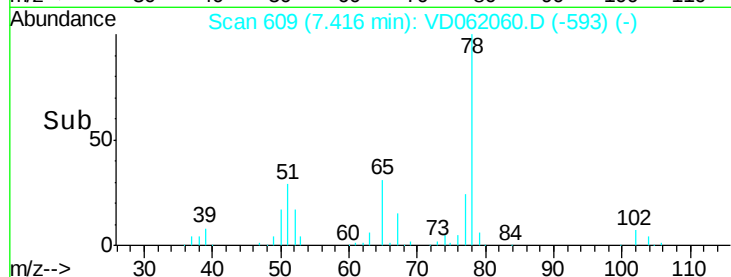
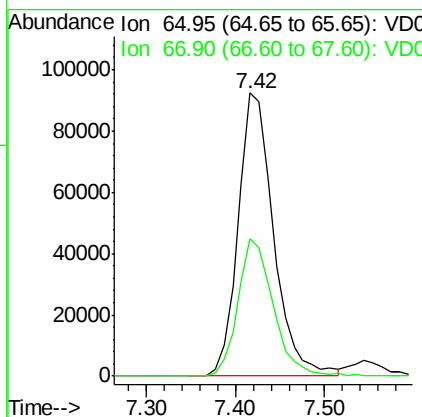
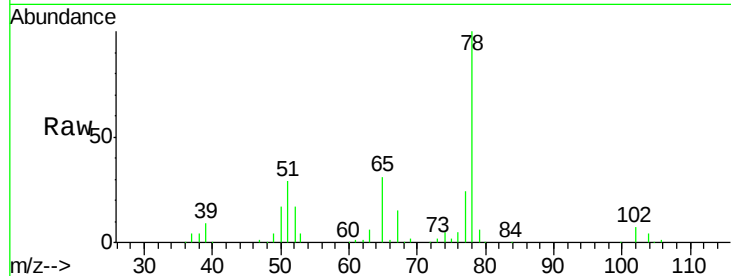
#33
 1,2-Dichloroethane-d4
 Concen: 56.485 ug/l
 RT: 7.42 min Scan# 609
 Delta R.T. -0.04 min
 Lab File: VD062060.D
 Acq: 29 Apr 2019 13:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 255422
 Ion Ratio Lower Upper
 65 100
 67 48.8 0.0 98.0

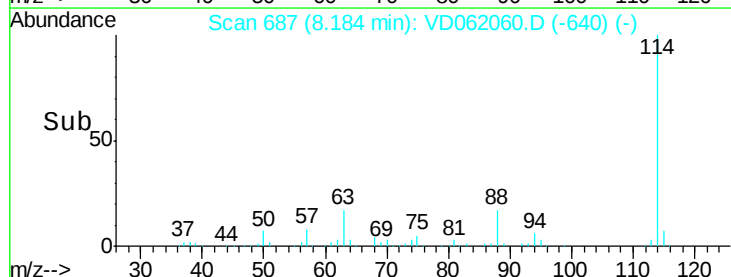
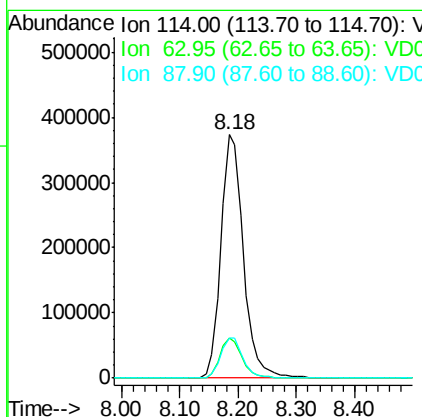
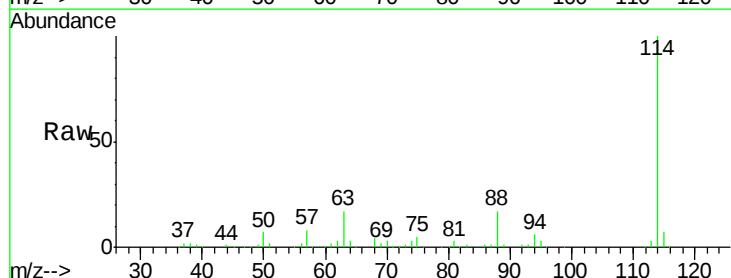
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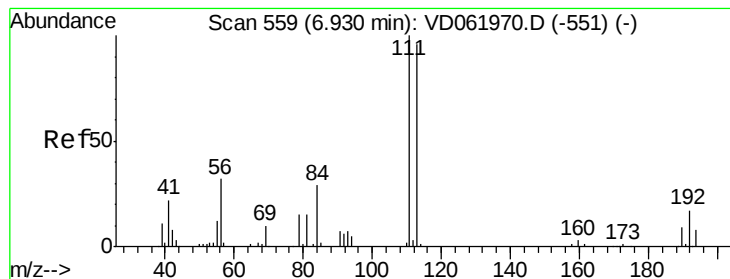
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.18 min Scan# 687
 Delta R.T. -0.04 min
 Lab File: VD062060.D
 Acq: 29 Apr 2019 13:43

Tgt Ion: 114 Resp: 998801
 Ion Ratio Lower Upper
 114 100
 63 16.6 0.0 32.4
 88 16.6 0.0 33.6





#35

Dibromofluoromethane

Concen: 52.994 ug/l

RT: 6.89 min Scan# 556

Delta R.T. -0.04 min

Lab File: VD062060.D

Acq: 29 Apr 2019 13:43

Instrument :

MSVOA_D

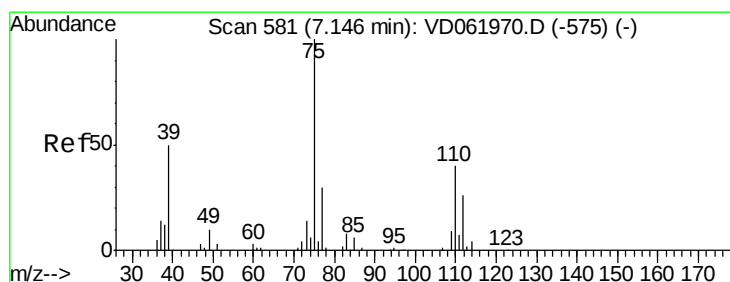
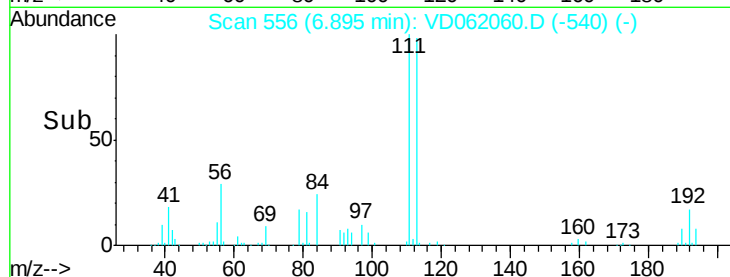
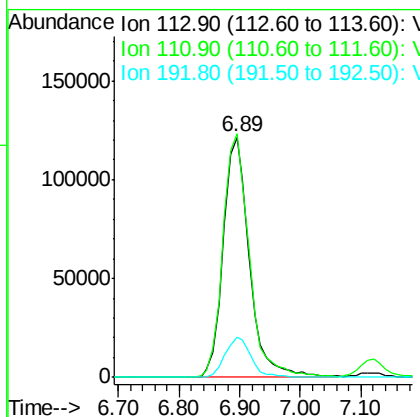
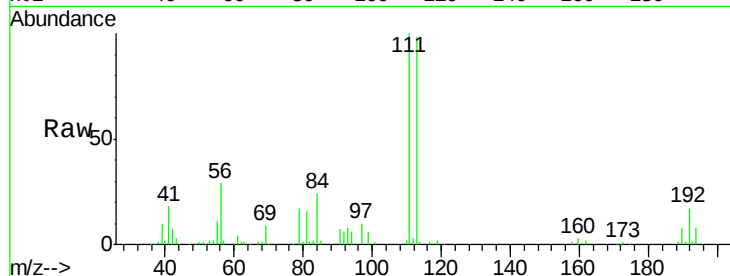
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	366063
Ion	Ratio	Lower	Upper
113	100		
111	101.6	78.5	117.7
192	16.9	13.0	19.4

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#36

1,1-Dichloropropene

Concen: 48.804 ug/l

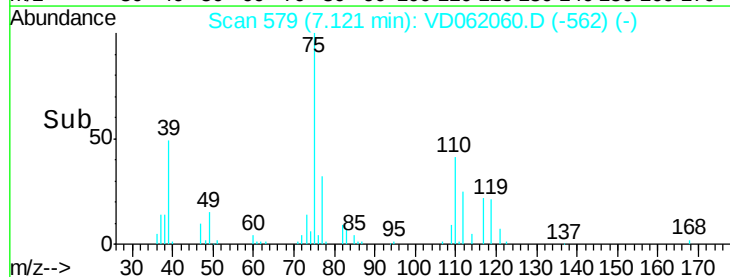
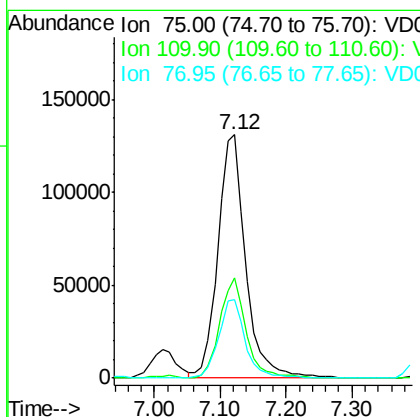
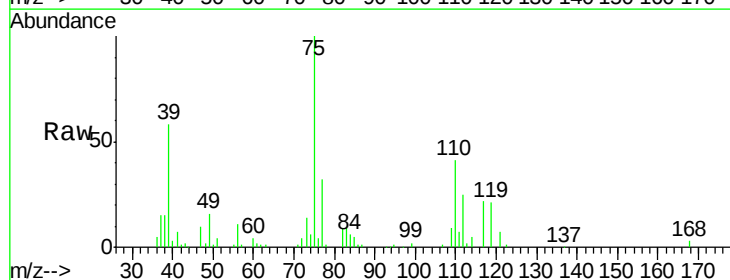
RT: 7.12 min Scan# 579

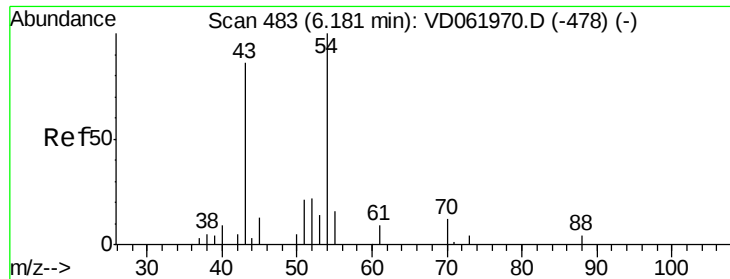
Delta R.T. -0.03 min

Lab File: VD062060.D

Acq: 29 Apr 2019 13:43

Tgt Ion:	75	Resp:	379777
Ion	Ratio	Lower	Upper
75	100		
110	41.1	19.1	57.1
77	32.0	25.6	38.4





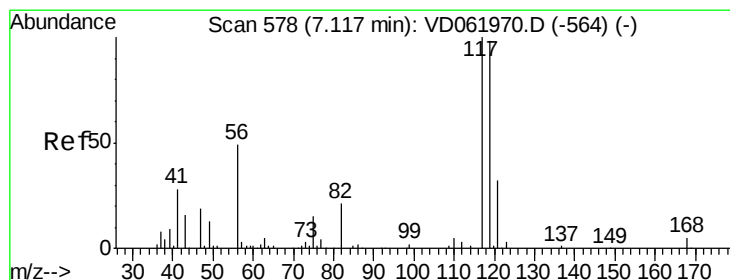
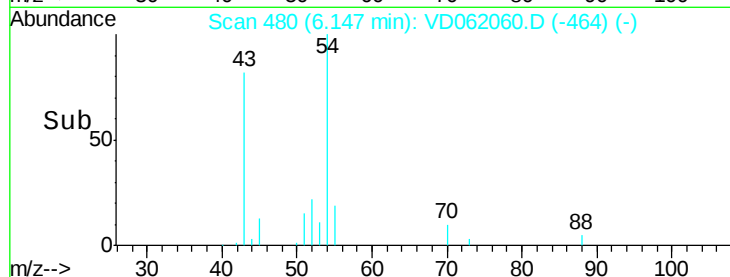
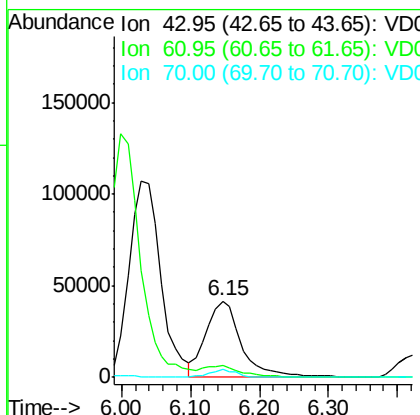
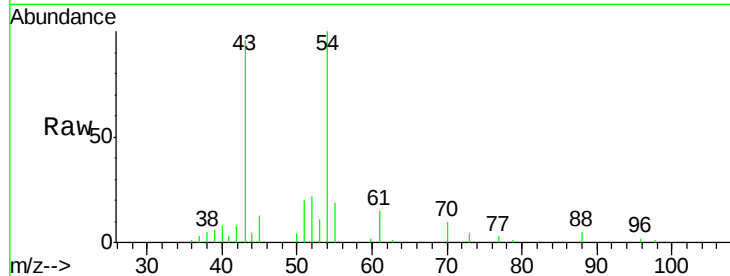
#37
Ethyl Acetate
Concen: 43.615 ug/l
RT: 6.15 min Scan# 480
Delta R.T. -0.04 min
Lab File: VD062060.D
Acq: 29 Apr 2019 13:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.9	14.7	22.1
70	9.9	7.8	11.6

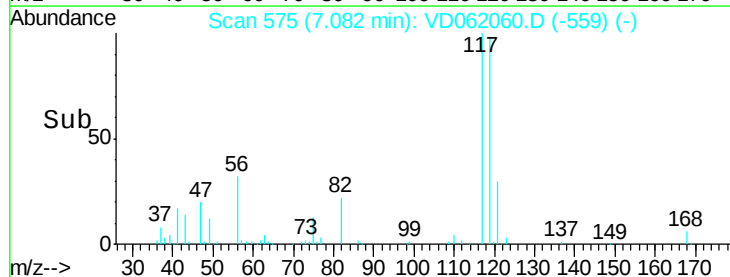
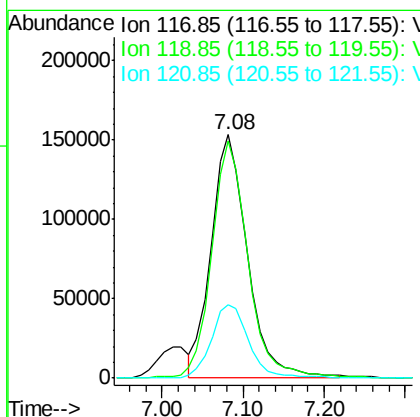
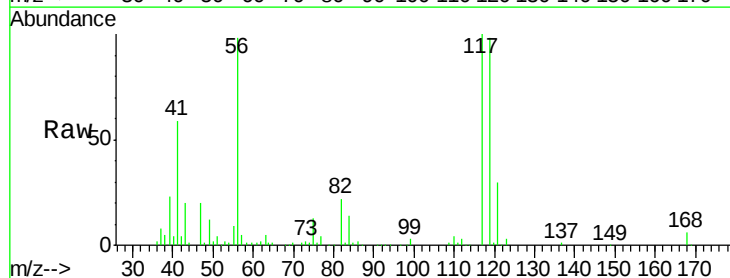
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#38
Carbon Tetrachloride
Concen: 48.709 ug/l m
RT: 7.08 min Scan# 575
Delta R.T. -0.04 min
Lab File: VD062060.D
Acq: 29 Apr 2019 13:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	75.8	113.8
121	30.3	25.9	38.9





#39

Methvlcvclohexane

Concen: 48.720 ug/l

RT: 8.83 min Scan# 753

Delta R.T. -0.04 min

Lab File: VD062060.D

Acq: 29 Apr 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 374055

Ion Ratio Lower Upper

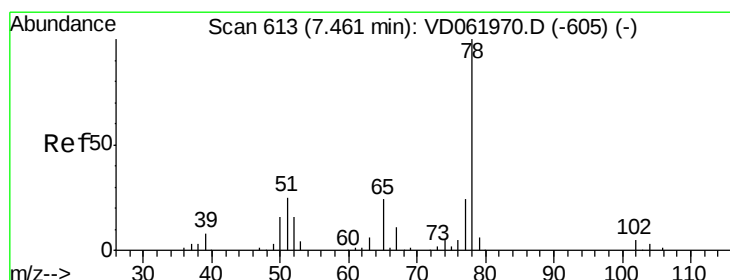
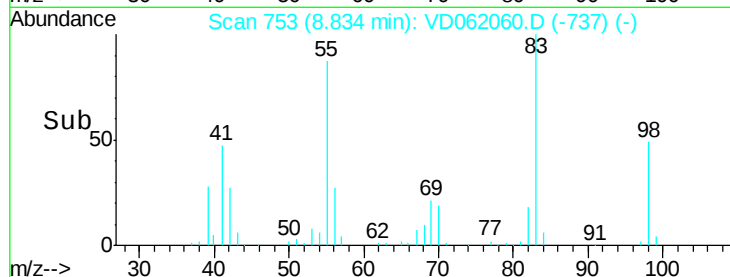
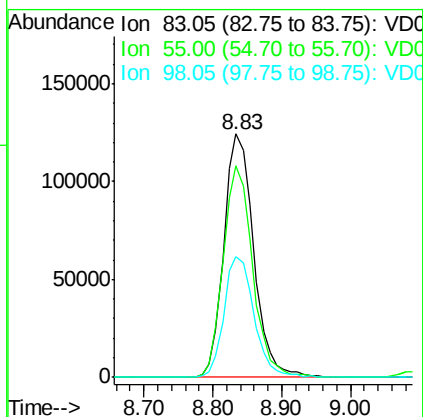
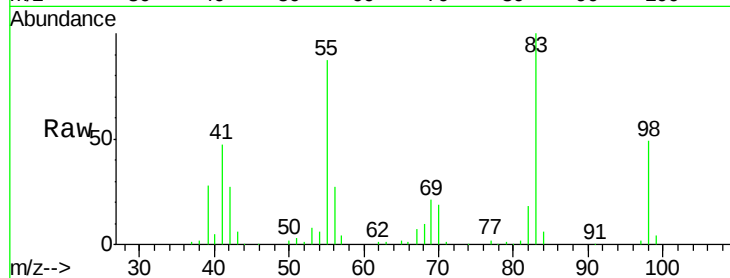
83 100

55 87.0 68.2 102.4

98 49.4 38.2 57.4

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#40

Benzene

Concen: 46.603 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.04 min

Lab File: VD062060.D

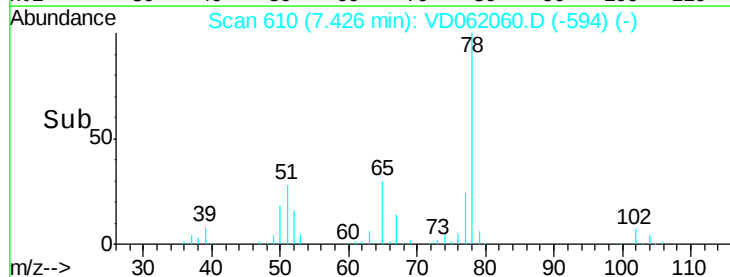
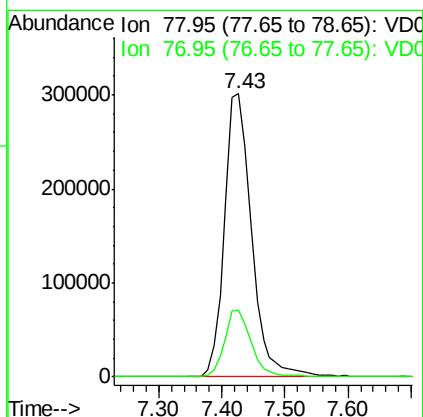
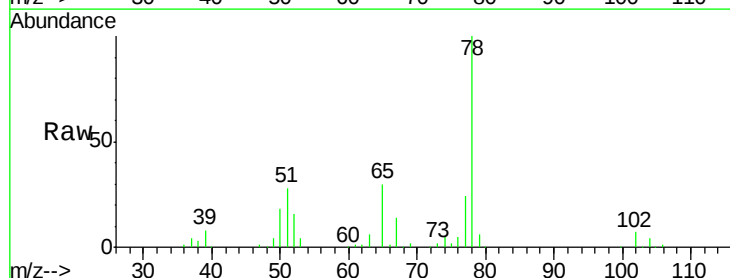
Acq: 29 Apr 2019 13:43

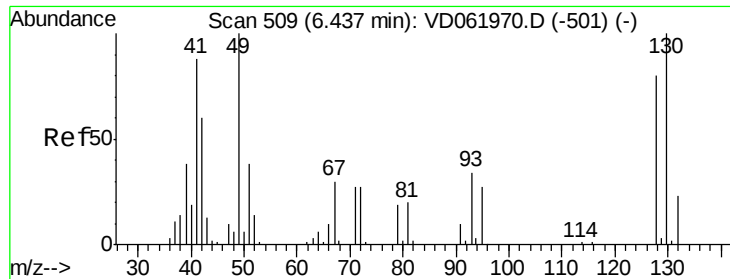
Tgt Ion: 78 Resp: 897799

Ion Ratio Lower Upper

78 100

77 23.7 19.7 29.5





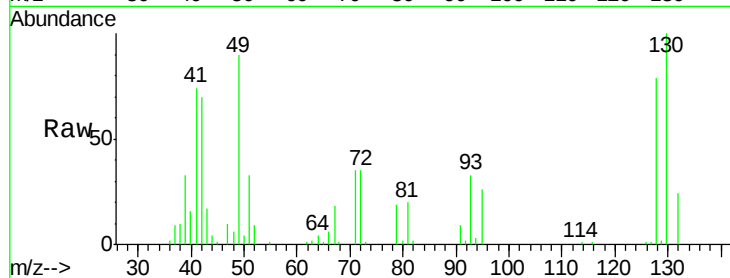
#41
Methacrylonitrile
Concen: 48.807 ug/l
RT: 6.41 min Scan# 507
Delta R.T. -0.03 min
Lab File: VD062060.D
Acq: 29 Apr 2019 13:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

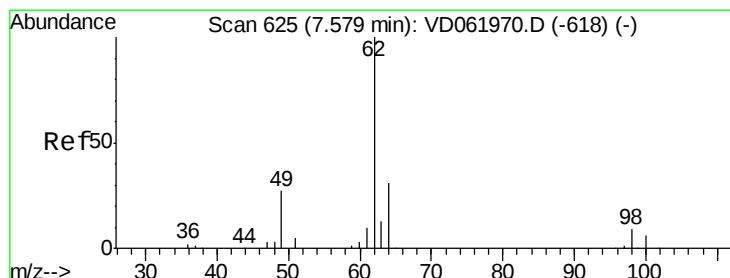
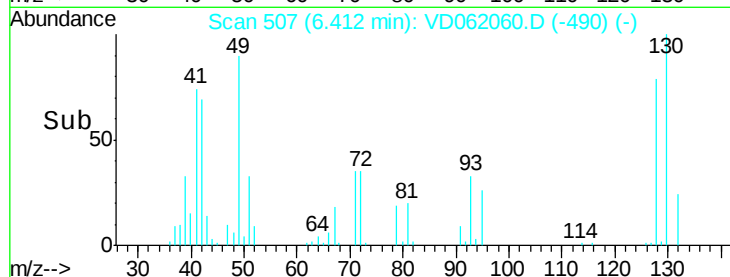
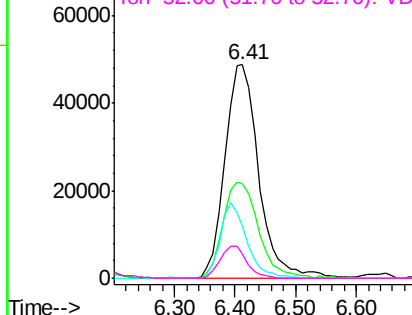
Tot Ion	Ratio	Resp	Lower	Upper
41	100			
39	44.6	34.1	51.1	
67	24.7	23.8	35.6	
52	11.4	8.8	13.2	

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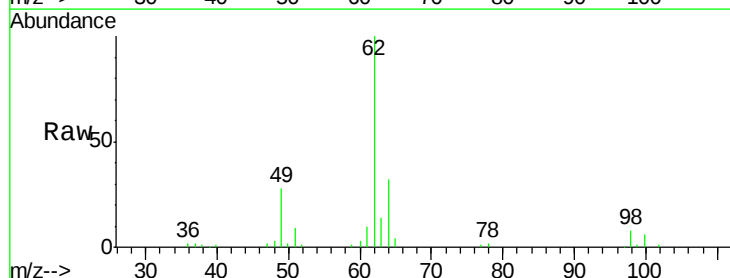


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

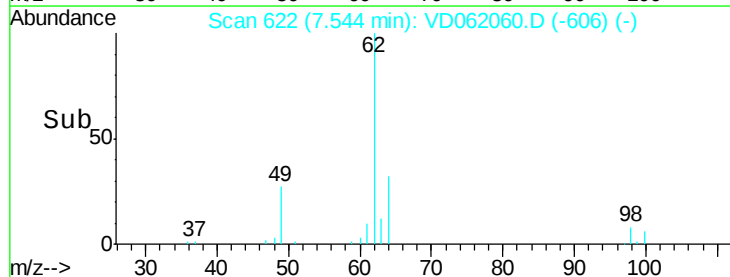
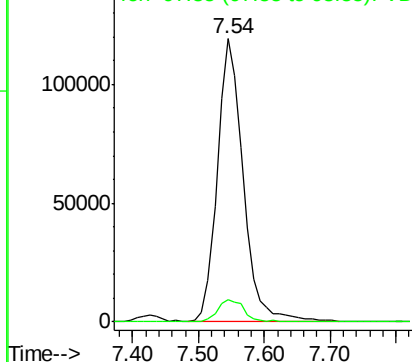


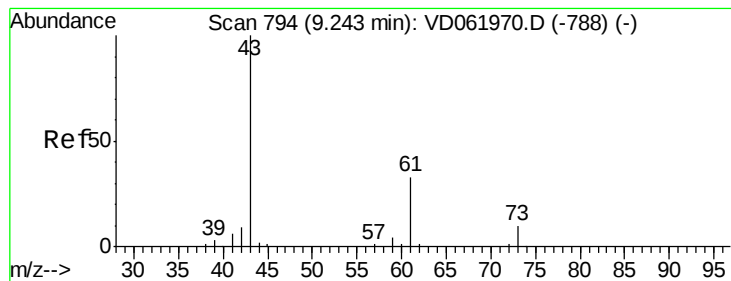
#42
1,2-Dichloroethane
Concen: 49.919 ug/l
RT: 7.54 min Scan# 622
Delta R.T. -0.04 min
Lab File: VD062060.D
Acq: 29 Apr 2019 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
62	100			
98	8.0	0.0	17.8	



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





#43

Isopropyl Acetate

Concen: 47.362 ug/l

RT: 9.21 min Scan# 791

Delta R.T. -0.04 min

Lab File: VD062060.D

Acq: 29 Apr 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 229479

Ion Ratio Lower Upper

43 100

61 32.9 25.1 37.7

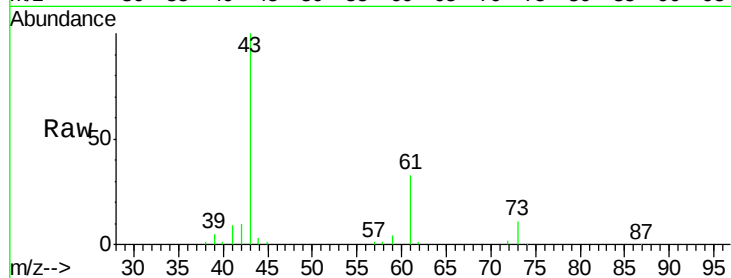
87 0.4 0.0 0.0#

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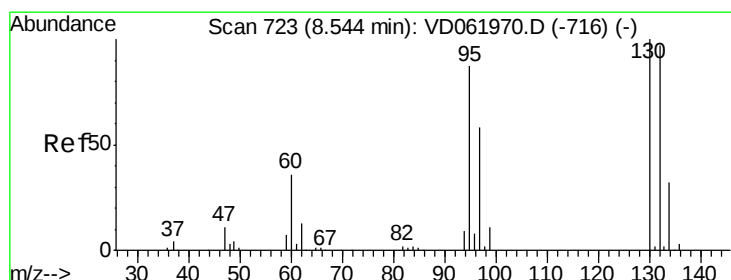
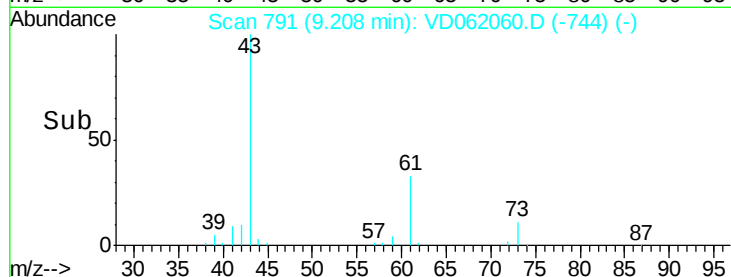
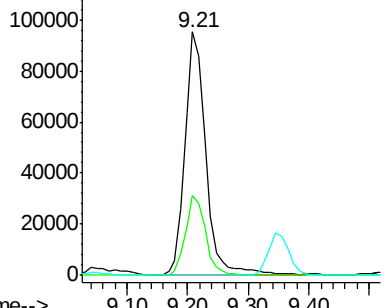
5/1/2019 9:27:55 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 45.571 ug/l

RT: 8.51 min Scan# 720

Delta R.T. -0.04 min

Lab File: VD062060.D

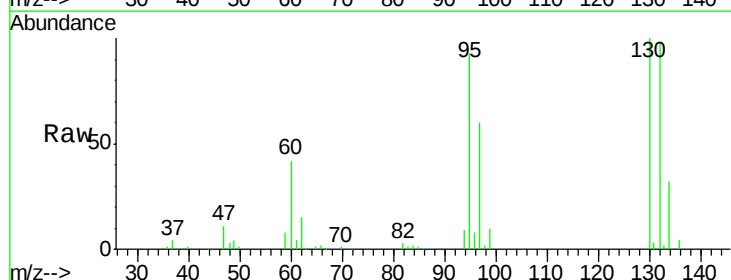
Acq: 29 Apr 2019 13:43

Tgt Ion: 130 Resp: 340361

Ion Ratio Lower Upper

130 100

95 92.8 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

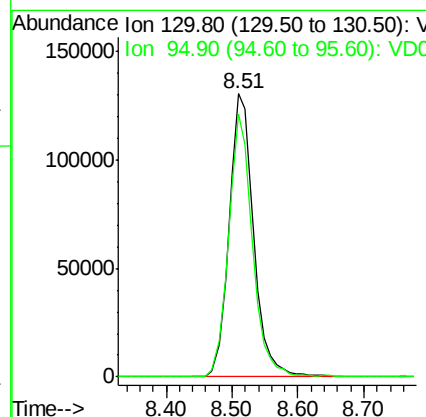
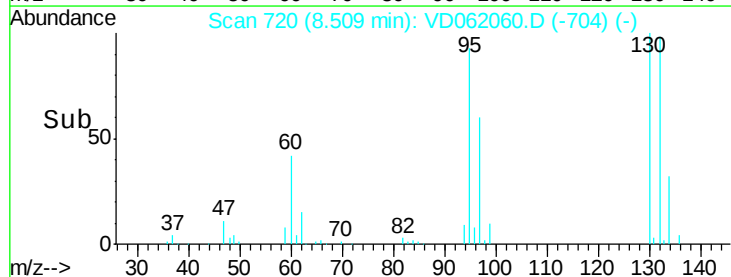
Ion 94.90 (94.60 to 95.60): VDC

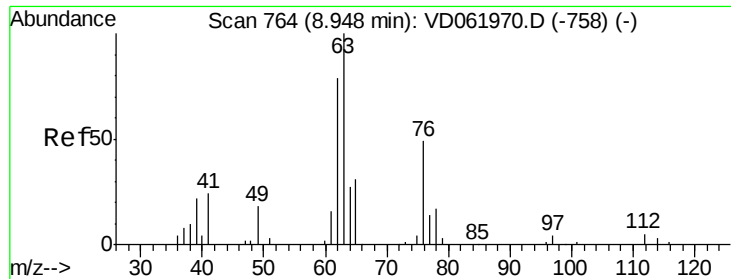
Ion 94.90 (94.60 to 95.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 94.90 (94.60 to 95.60): VDC





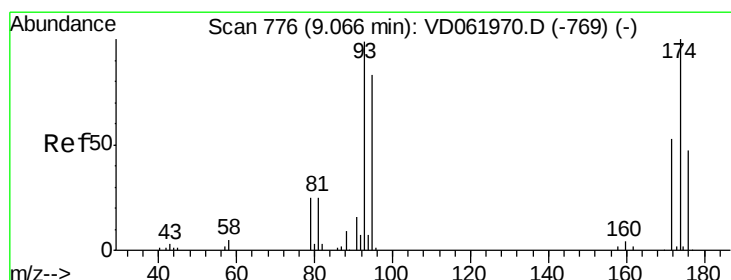
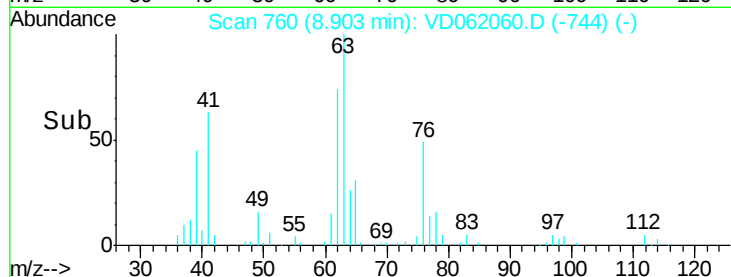
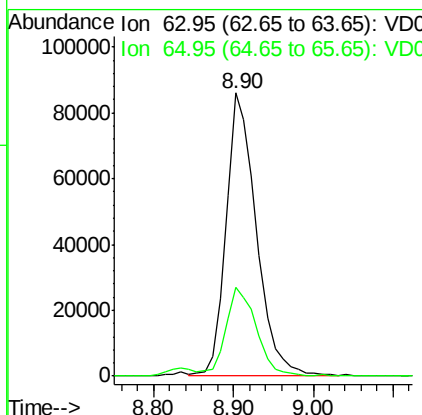
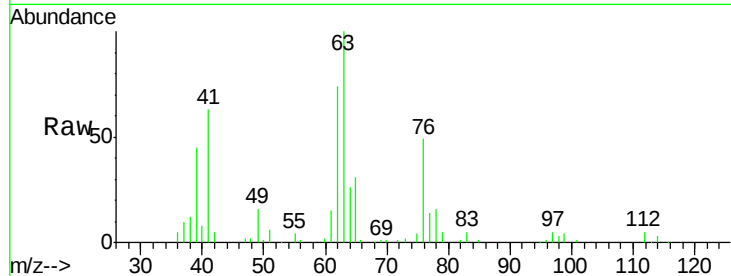
#45
 1,2-Dichloropropane
 Concen: 46.778 ug/l
 RT: 8.90 min Scan# 760
 Delta R.T. -0.04 min
 Lab File: VD062060.D
 Acq: 29 Apr 2019 13:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 228618
 Ion Ratio Lower Upper
 63 100
 65 31.3 23.8 35.6

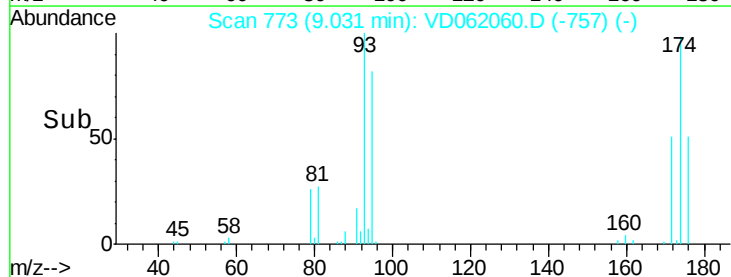
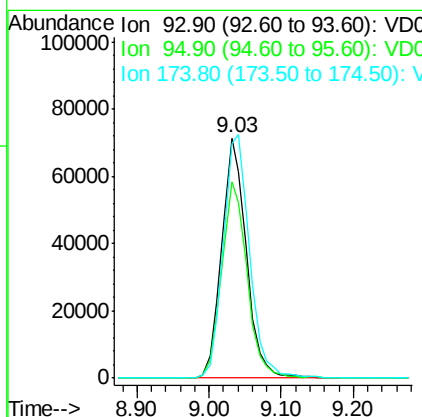
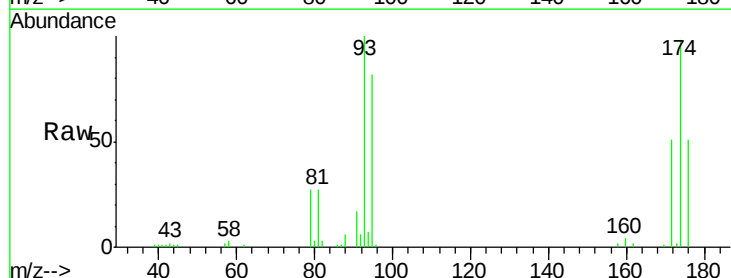
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#46
 Dibromomethane
 Concen: 47.875 ug/l
 RT: 9.03 min Scan# 773
 Delta R.T. -0.04 min
 Lab File: VD062060.D
 Acq: 29 Apr 2019 13:43

Tgt Ion: 93 Resp: 168362
 Ion Ratio Lower Upper
 93 100
 95 81.8 64.8 97.2
 174 97.7 79.3 118.9





#47

Bromodichloromethane

Concen: 47.014 ug/l

RT: 9.35 min Scan# 805

Delta R.T. -0.04 min

Lab File: VD062060.D

Acq: 29 Apr 2019 13:43

Instrument :

MSVOA_D

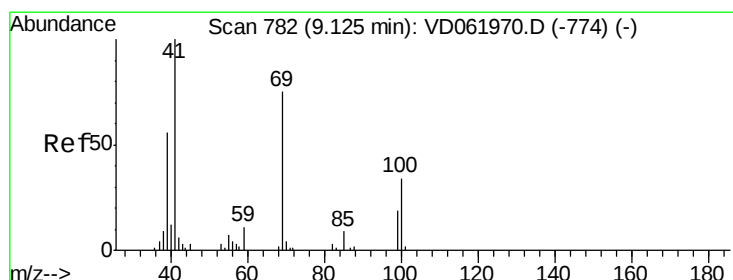
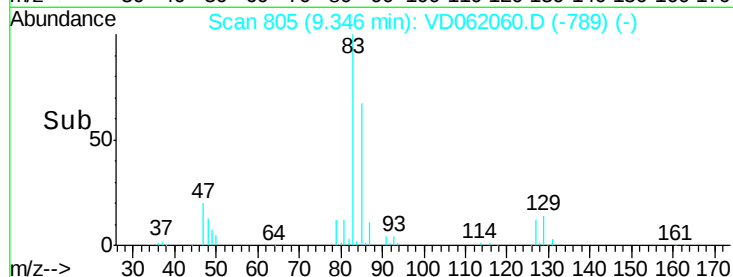
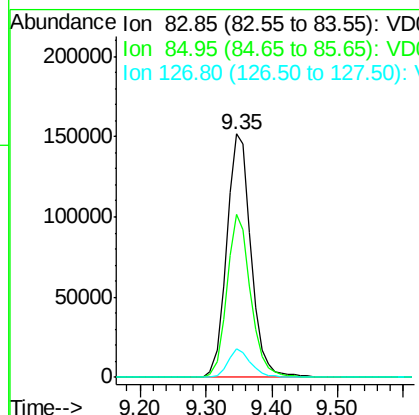
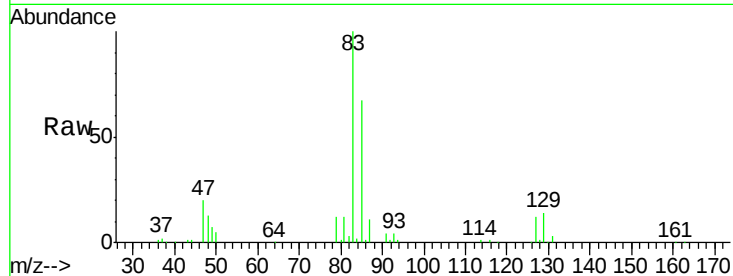
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	390660
Ion	Ratio	Lower	Upper
83	100		
85	67.2	50.9	76.3
127	11.8	8.1	12.1

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#48

Methyl methacrylate

Concen: 45.497 ug/l

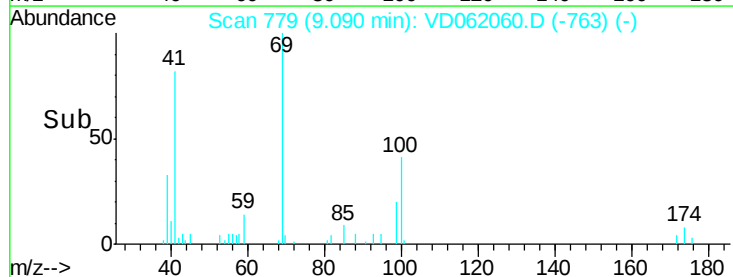
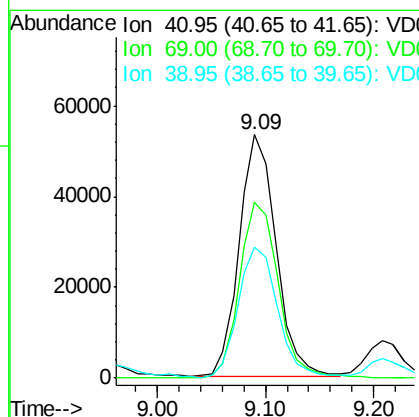
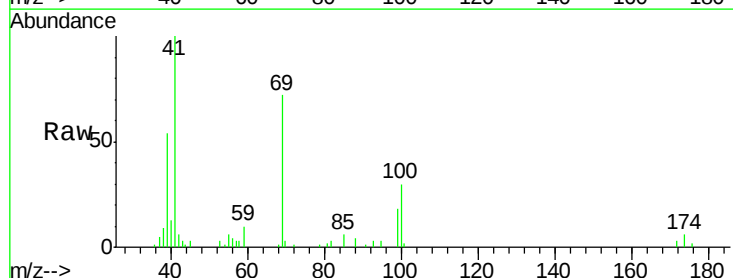
RT: 9.09 min Scan# 779

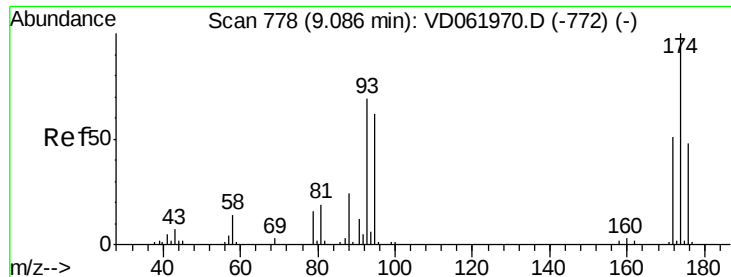
Delta R.T. -0.04 min

Lab File: VD062060.D

Acq: 29 Apr 2019 13:43

Tgt Ion:	41	Resp:	125774
Ion	Ratio	Lower	Upper
41	100		
69	72.0	64.2	96.2
39	53.5	46.8	70.2





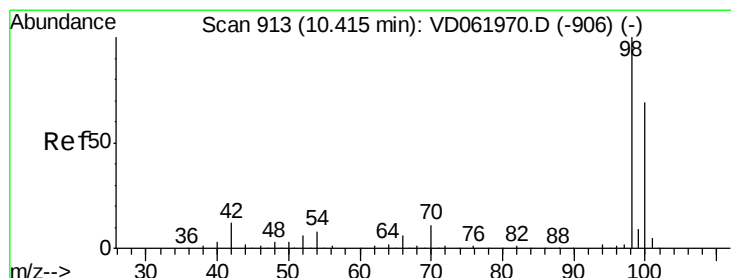
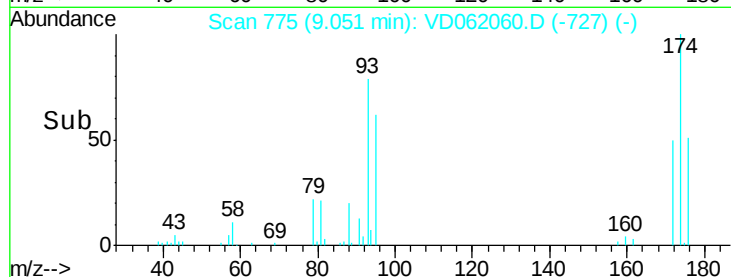
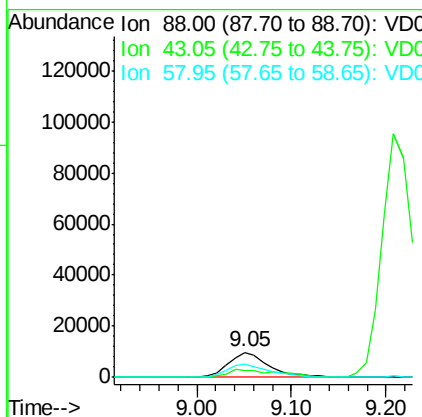
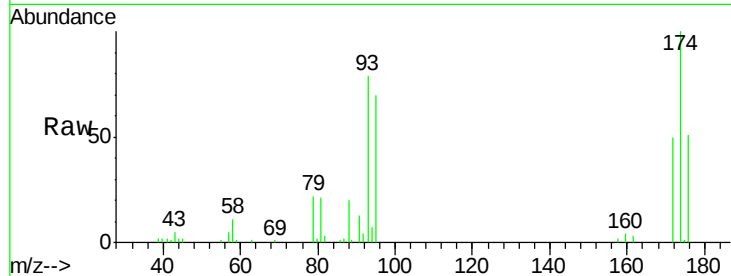
#49
1,4-Dioxane
Concen: 949.355 ug/l
RT: 9.05 min Scan# 775
Delta R.T. -0.03 min
Lab File: VD062060.D
Acq: 29 Apr 2019 13:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	25.4	23.4	35.0
58	54.3	44.0	66.0

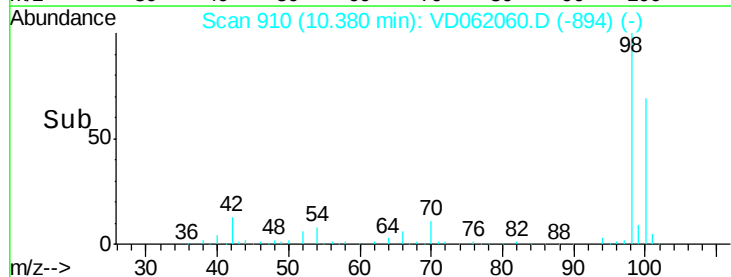
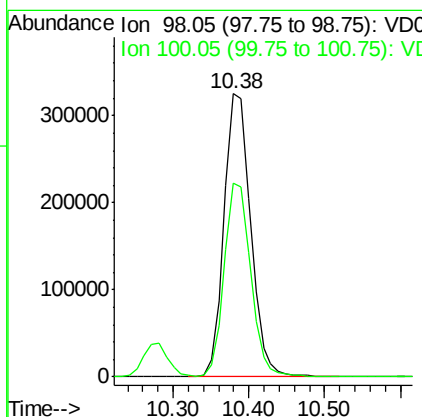
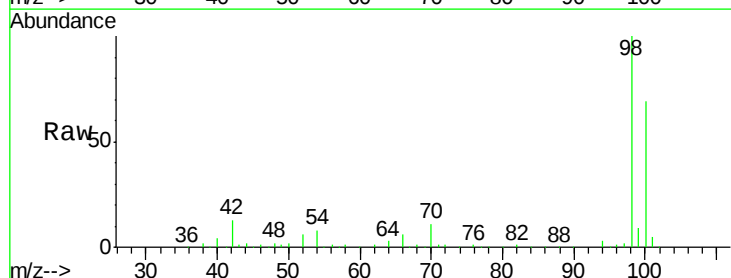
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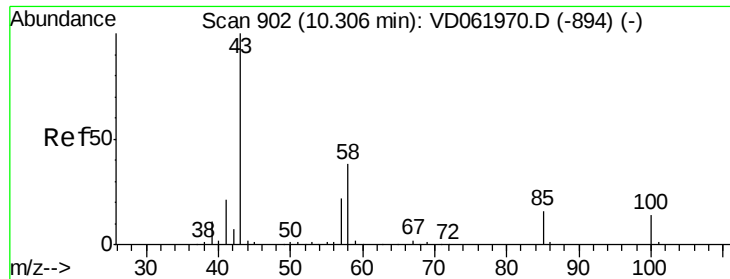
MMDadoda
5/1/2019 9:27:55 AM



#50
Toluene-d8
Concen: 48.309 ug/l
RT: 10.38 min Scan# 910
Delta R.T. -0.04 min
Lab File: VD062060.D
Acq: 29 Apr 2019 13:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.7	53.8	80.8





#51

4-Methyl-2-Pentanone

Concen: 234.155 ug/l

RT: 10.27 min Scan# 899

Delta R.T. -0.03 min

Lab File: VD062060.D

Acq: 29 Apr 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 693837

Ion Ratio Lower Upper

43 100

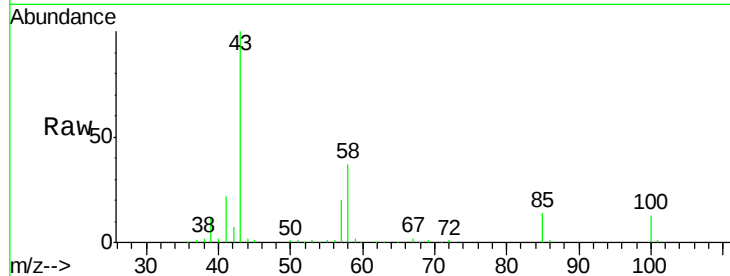
58 37.4 30.4 45.6

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.27

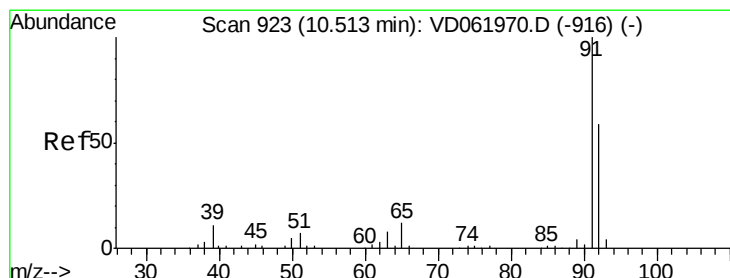
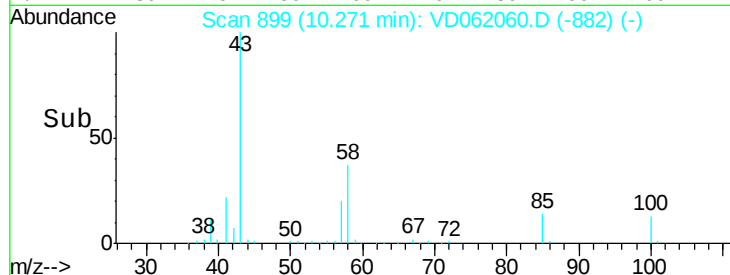
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 44.903 ug/l

RT: 10.49 min Scan# 921

Delta R.T. -0.03 min

Lab File: VD062060.D

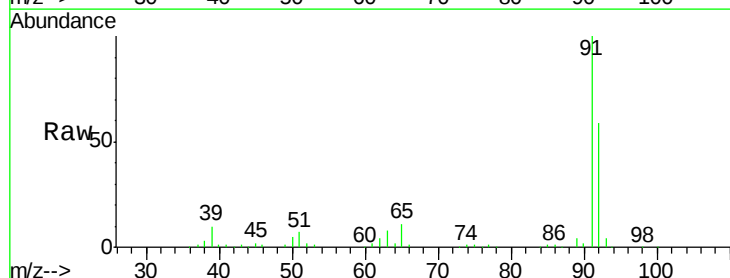
Acq: 29 Apr 2019 13:43

Tgt Ion: 92 Resp: 551573

Ion Ratio Lower Upper

92 100

91 168.6 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.49

400000

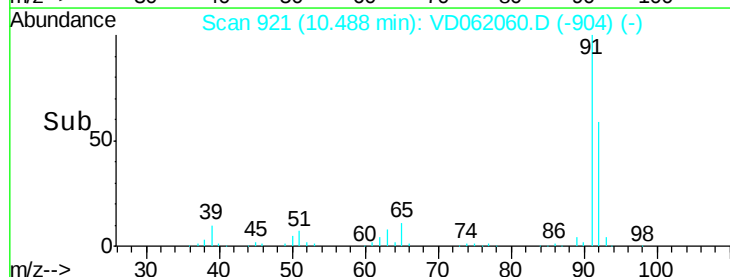
300000

200000

100000

0

Time-->





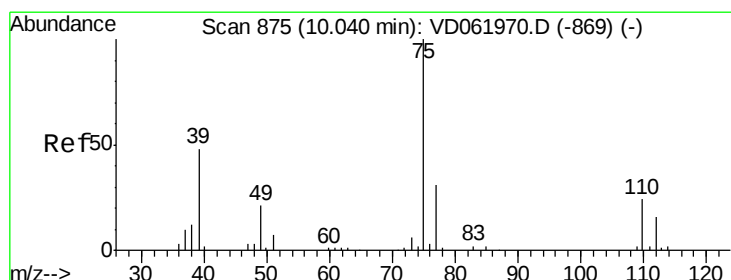
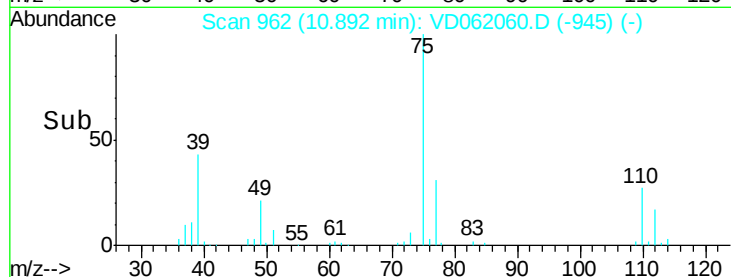
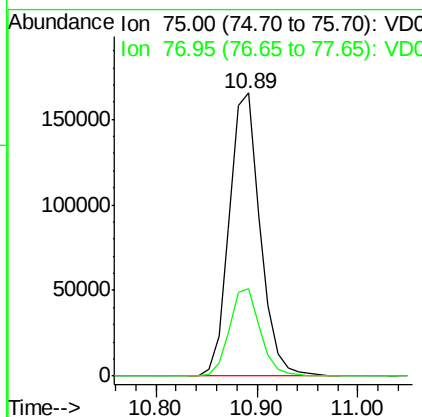
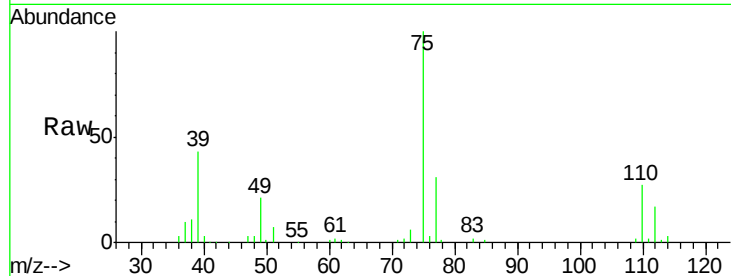
#53
t-1,3-Dichloropropene
Concen: 50.335 ug/l
RT: 10.89 min Scan# 962
Delta R.T. -0.03 min
Lab File: VD062060.D
Acq: 29 Apr 2019 13:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.8	38.8

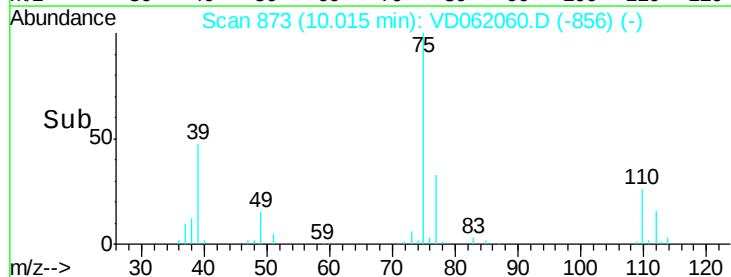
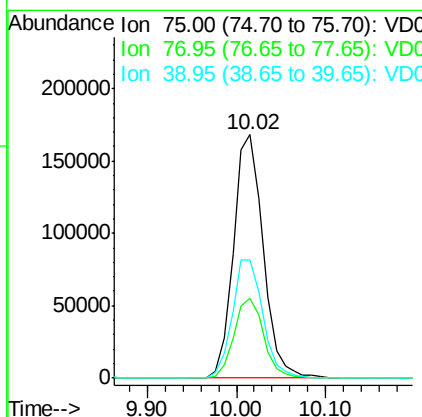
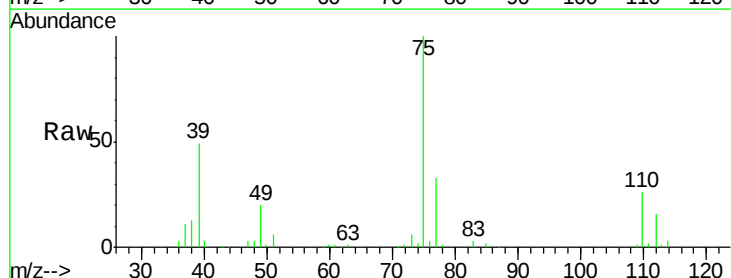
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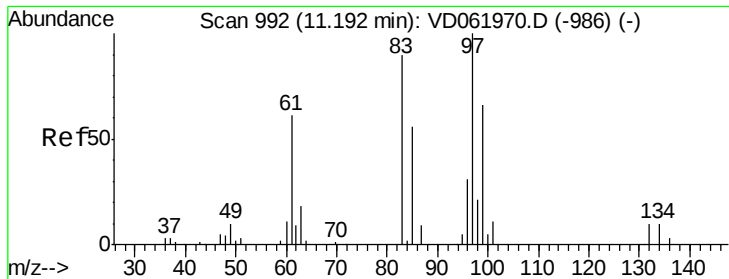
MMDadoda
5/1/2019 9:27:55 AM



#54
cis-1,3-Dichloropropene
Concen: 46.222 ug/l
RT: 10.02 min Scan# 873
Delta R.T. -0.03 min
Lab File: VD062060.D
Acq: 29 Apr 2019 13:43

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.5	38.3
39	48.6	39.4	59.2





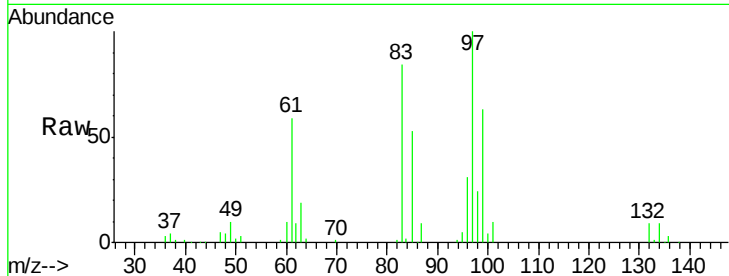
#55
 1,1,2-Trichloroethane
 Concen: 46.619 ug/l
 RT: 11.17 min Scan# 990
 Delta R.T. -0.03 min
 Lab File: VD062060.D
 Acq: 29 Apr 2019 13:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

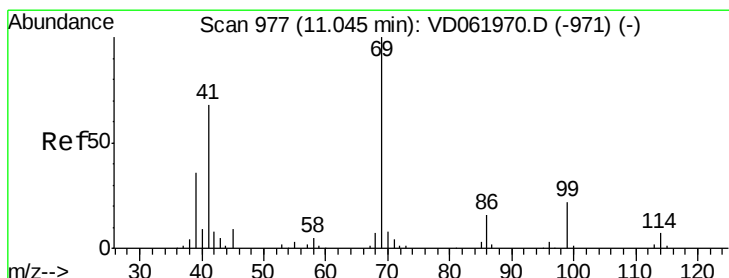
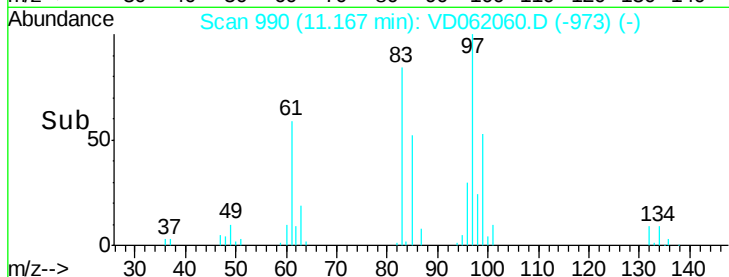
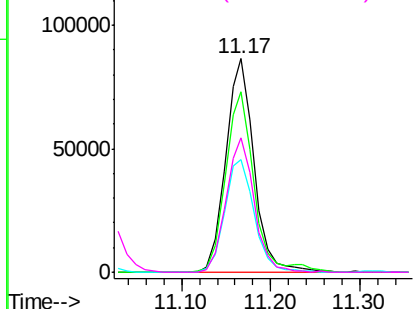
Tot Ion	97	Resp	192252
Ion	Ratio	Lower	Upper
97	100		
83	84.4	65.7	98.5
85	52.8	45.6	68.4
99	63.1	48.4	72.6

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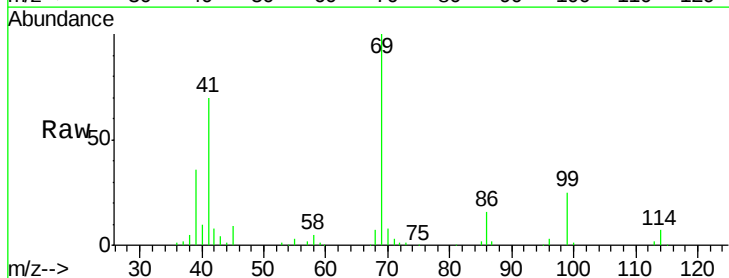


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

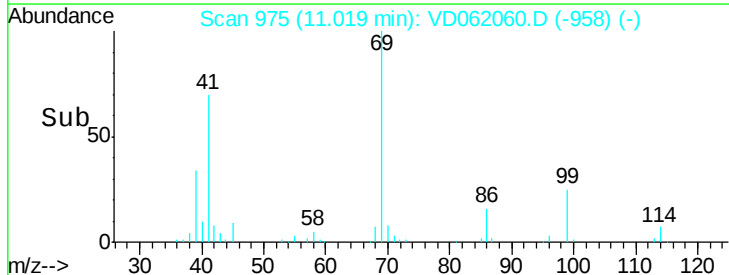
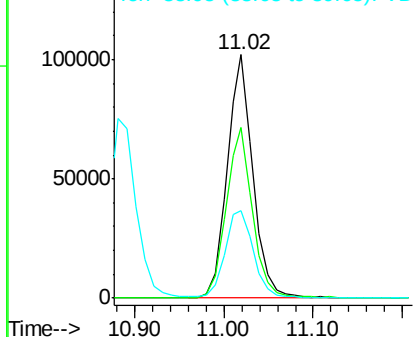


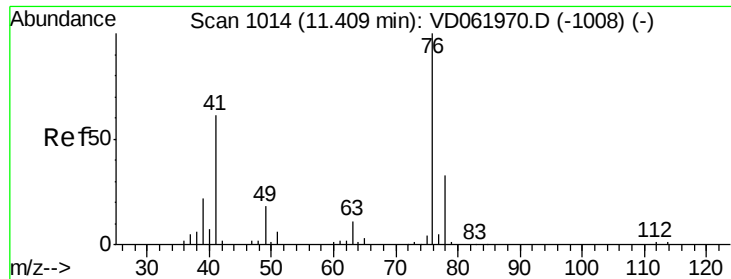
#56
 Ethyl methacrylate
 Concen: 45.170 ug/l
 RT: 11.02 min Scan# 975
 Delta R.T. -0.03 min
 Lab File: VD062060.D
 Acq: 29 Apr 2019 13:43

Tgt Ion	69	Resp	206309
Ion	Ratio	Lower	Upper
69	100		
41	70.2	56.3	84.5
39	36.0	29.4	44.2



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: 45.068 ug/l

RT: 11.38 min Scan# 1012

Delta R.T. -0.03 min

Lab File: VD062060.D

Acq: 29 Apr 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 287048

Ion Ratio Lower Upper

76 100

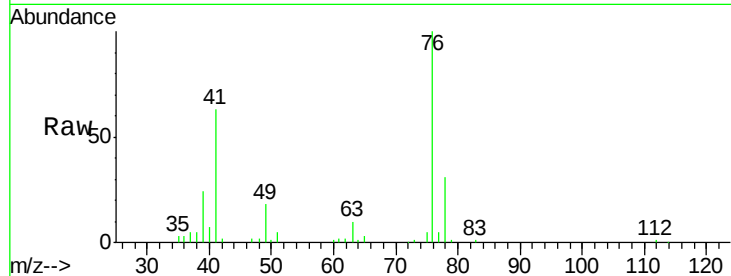
78 31.3 26.2 39.2

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Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.38

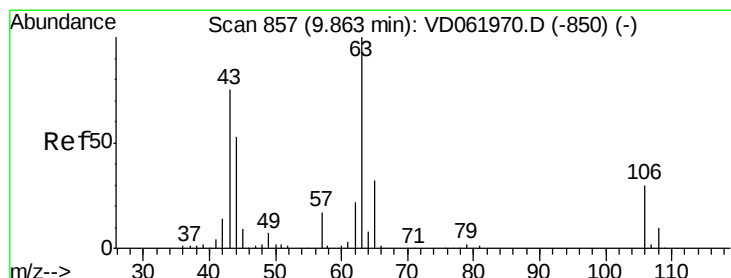
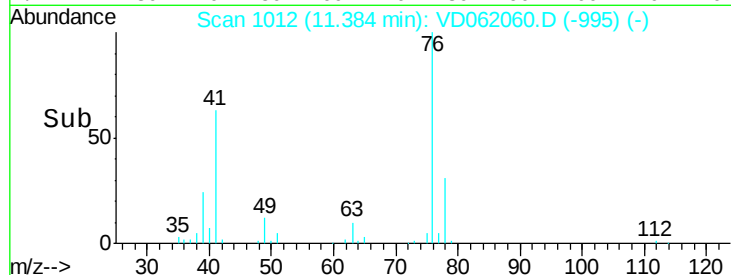
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 239.057 ug/l

RT: 9.83 min Scan# 854

Delta R.T. -0.04 min

Lab File: VD062060.D

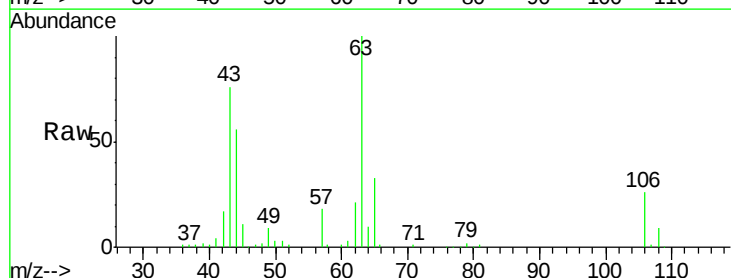
Acq: 29 Apr 2019 13:43

Tgt Ion: 63 Resp: 507635

Ion Ratio Lower Upper

63 100

106 25.6 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.83

250000

200000

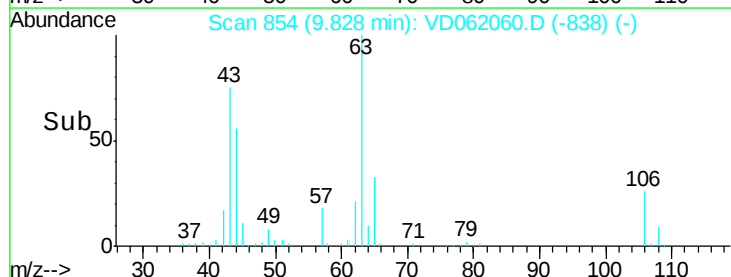
150000

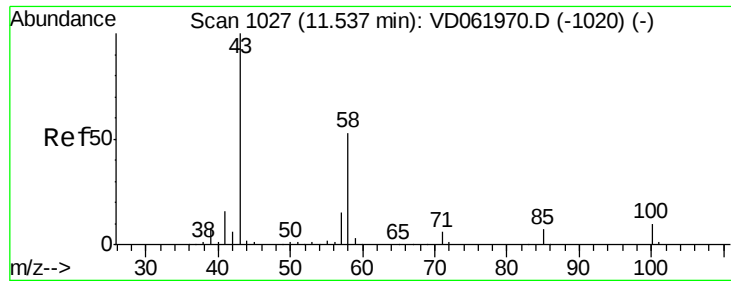
100000

50000

0

Time-->





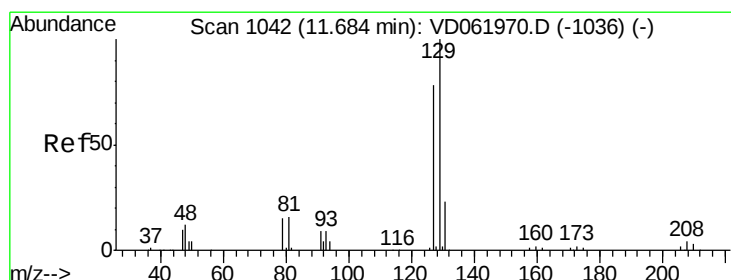
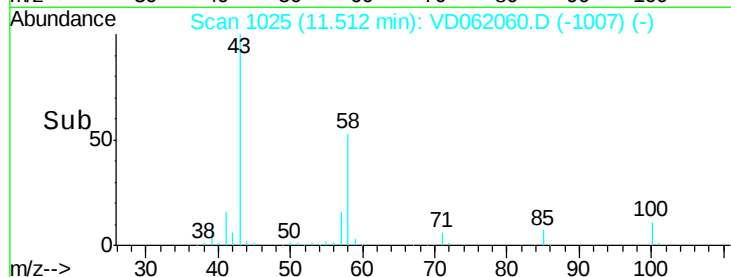
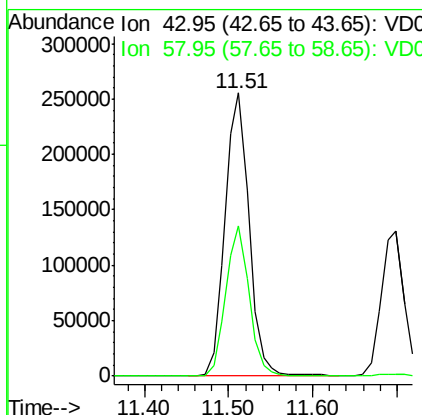
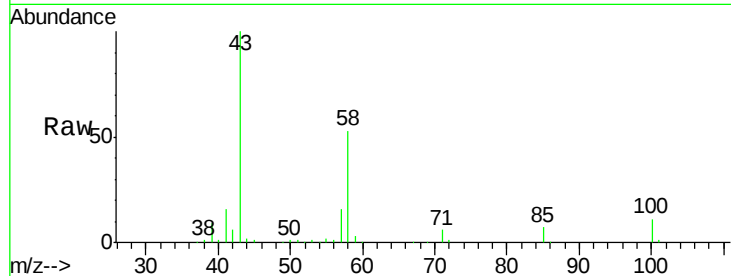
#59
2-Hexanone
Concen: 228.879 ug/l
RT: 11.51 min Scan# 1025
Delta R.T. -0.02 min
Lab File: VD062060.D
Acq: 29 Apr 2019 13:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.2	25.4	76.4

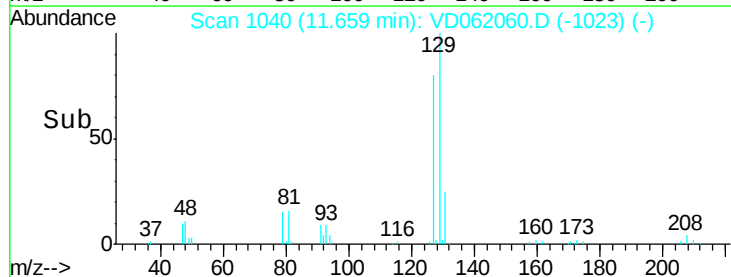
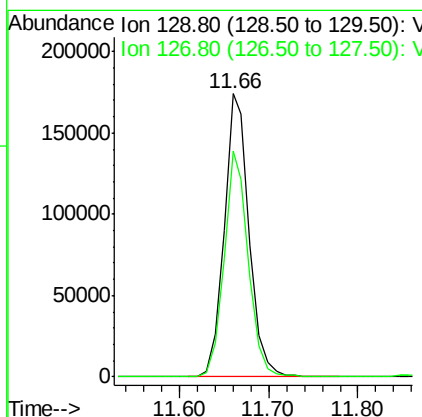
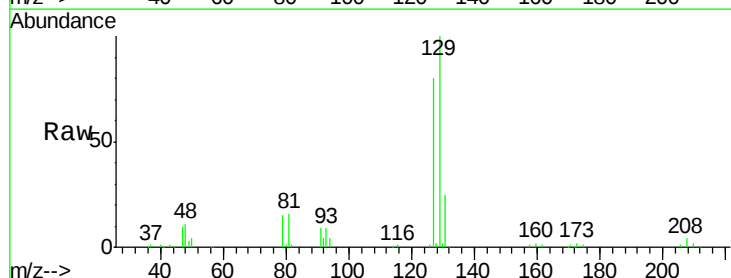
Manual Integrations
APPROVED

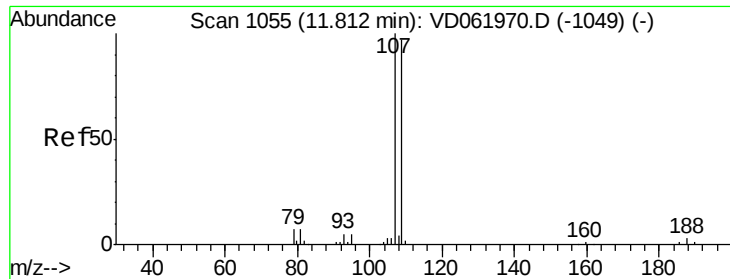
MMDadoda
5/1/2019 9:27:55 AM



#60
Dibromochloromethane
Concen: 50.020 ug/l
RT: 11.66 min Scan# 1040
Delta R.T. -0.03 min
Lab File: VD062060.D
Acq: 29 Apr 2019 13:43

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.7	38.0	113.9





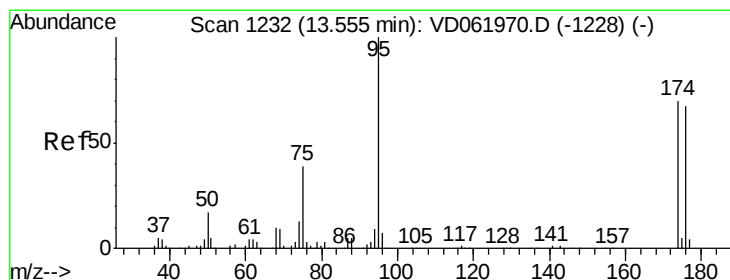
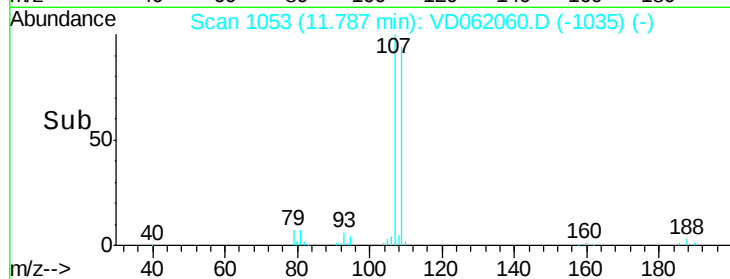
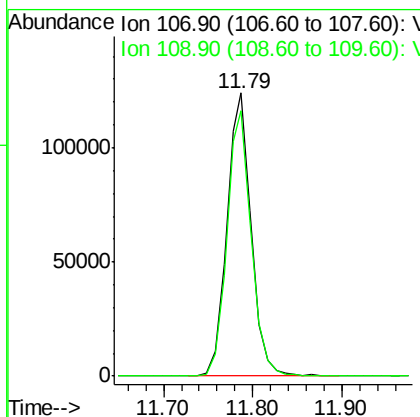
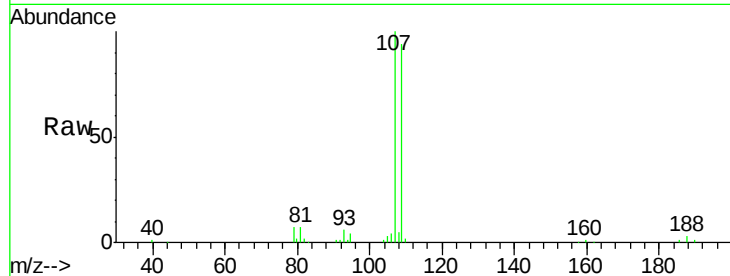
#61
 1,2-Dibromoethane
 Concen: 48.335 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. -0.02 min
 Lab File: VD062060.D
 Acq: 29 Apr 2019 13:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 236453
 Ion Ratio Lower Upper
 107 100
 109 93.8 78.3 117.5

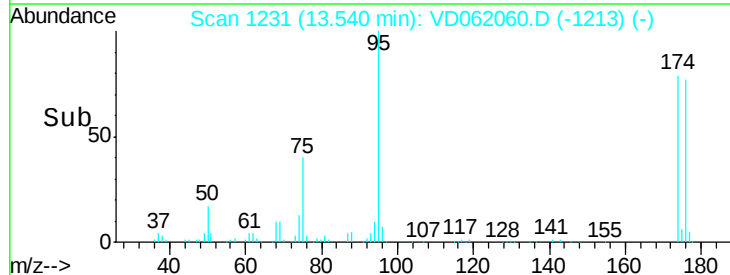
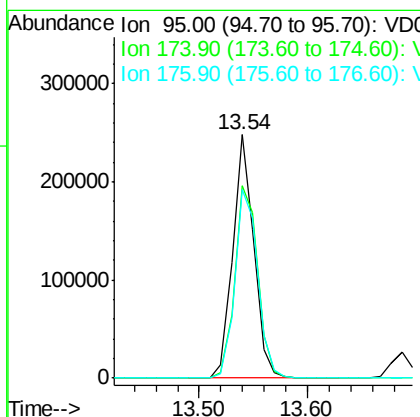
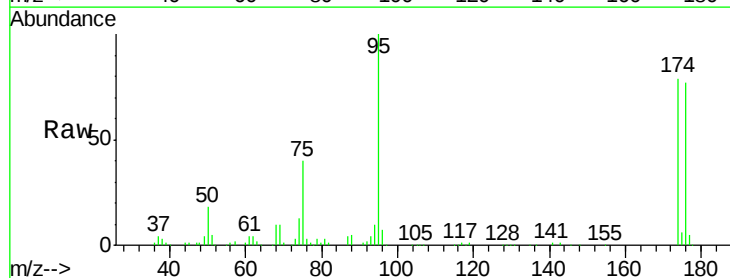
Manual Integrations
 APPROVED

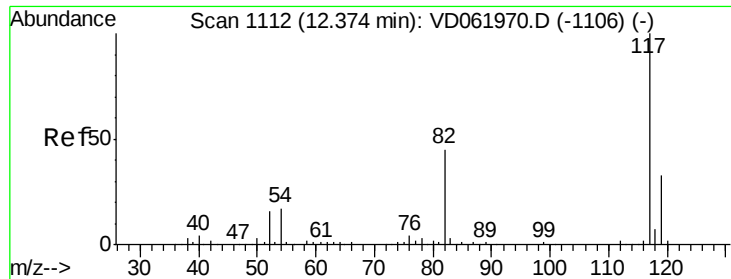
MMDadoda
 5/1/2019 9:27:55 AM



#62
 4-Bromofluorobenzene
 Concen: 51.061 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. -0.02 min
 Lab File: VD062060.D
 Acq: 29 Apr 2019 13:43

Tgt Ion: 95 Resp: 336627
 Ion Ratio Lower Upper
 95 100
 174 78.9 0.0 181.8
 176 77.2 0.0 174.4





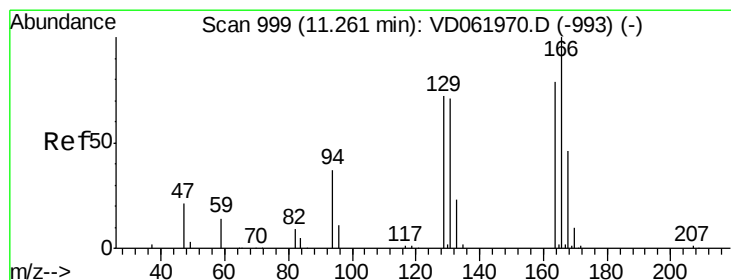
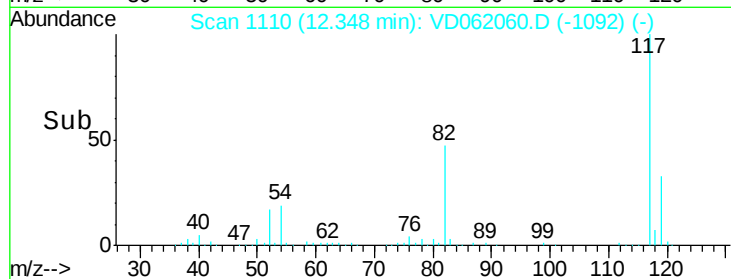
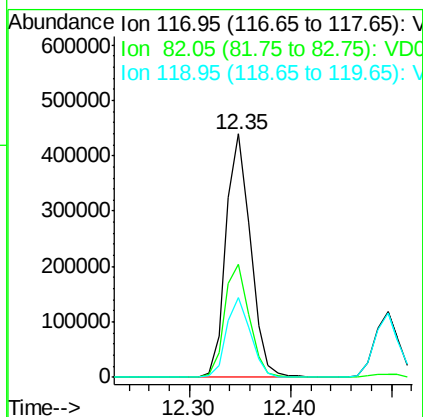
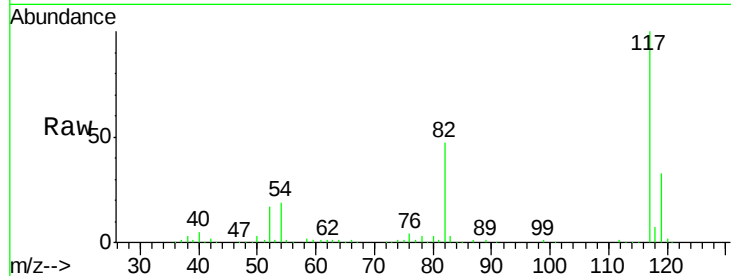
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.02 min
Lab File: VD062060.D
Acq: 29 Apr 2019 13:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	46.5	36.2	54.2
119	32.9	26.2	39.4

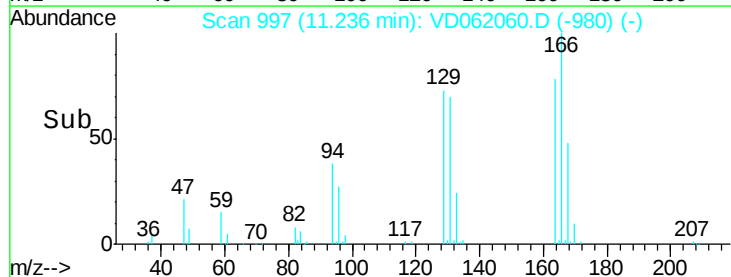
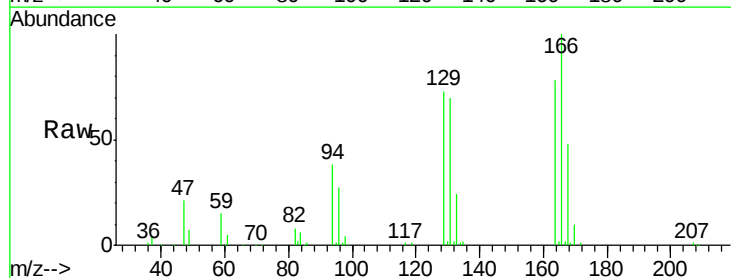
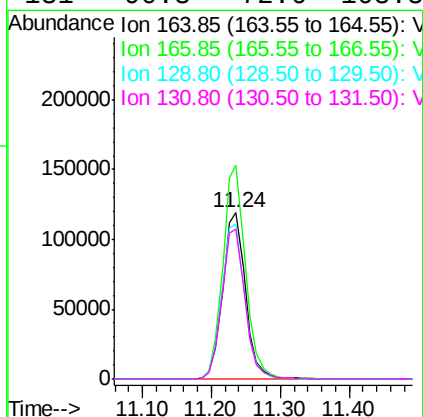
Manual Integrations
APPROVED

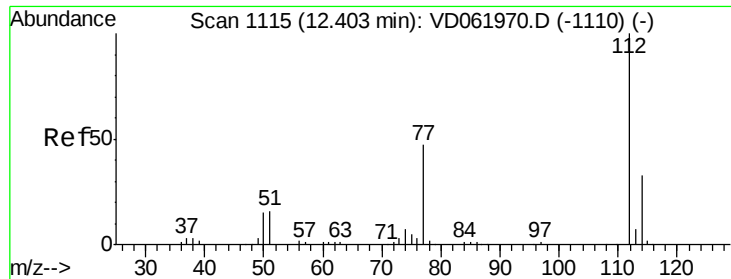
MMDadoda
5/1/2019 9:27:55 AM



#64
Tetrachloroethene
Concen: 51.266 ug/l
RT: 11.24 min Scan# 997
Delta R.T. -0.03 min
Lab File: VD062060.D
Acq: 29 Apr 2019 13:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.6	101.5	152.3
129	93.5	74.6	112.0
131	90.3	72.6	108.8





#65

Chlorobenzene

Concen: 47.046 ug/l

RT: 12.38 min Scan# 1113

Delta R.T. -0.02 min

Lab File: VD062060.D

Acq: 29 Apr 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 659771

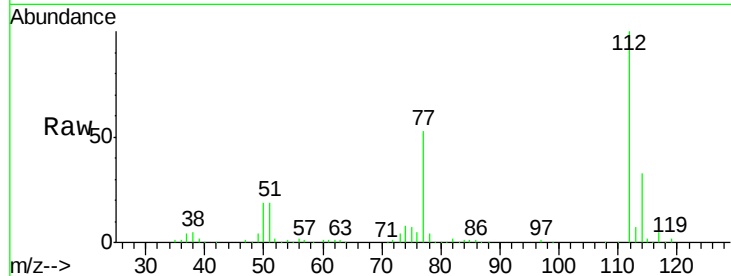
Ion Ratio Lower Upper

112 100

114 33.3 25.8 38.8

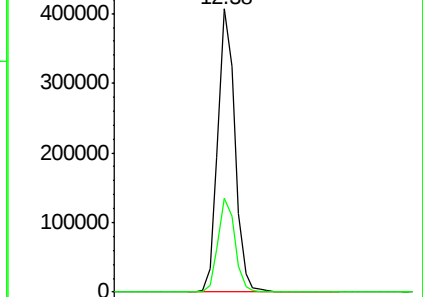
Manual Integrations
APPROVED

MMDadoda
5/1/2019 9:27:55 AM

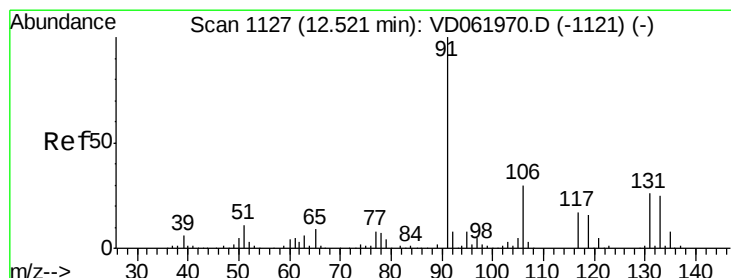
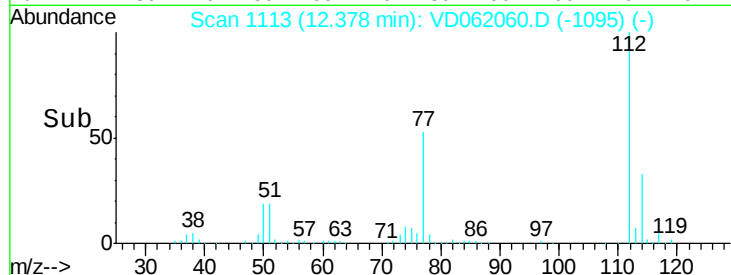


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 49.959 ug/l

RT: 12.50 min Scan# 1125

Delta R.T. -0.02 min

Lab File: VD062060.D

Acq: 29 Apr 2019 13:43

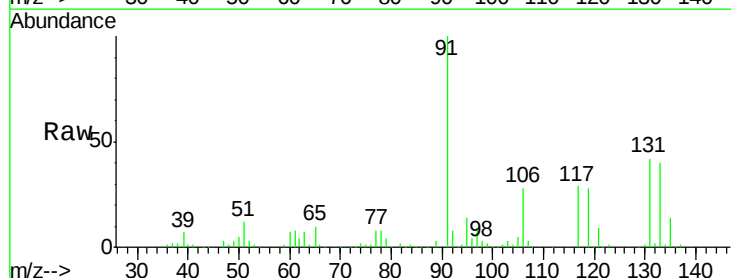
Tgt Ion:131 Resp: 297187

Ion Ratio Lower Upper

131 100

133 95.8 48.6 145.8

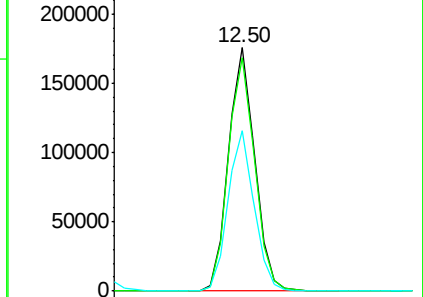
119 65.6 34.7 104.1



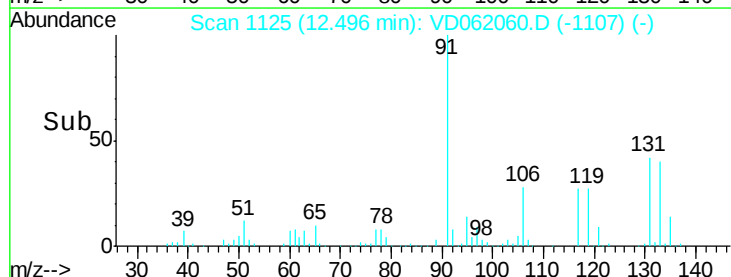
Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V



Time-->





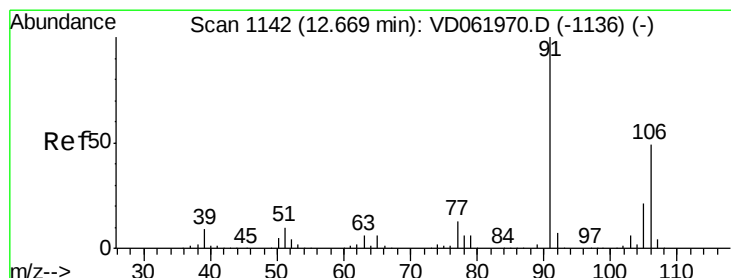
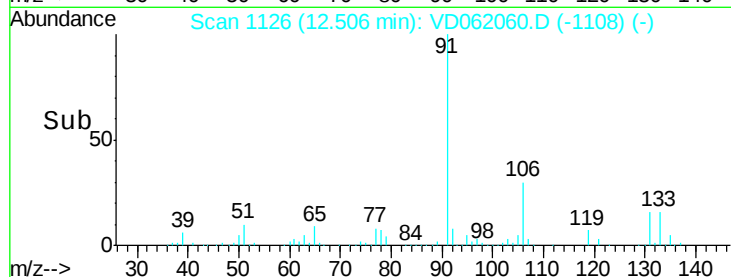
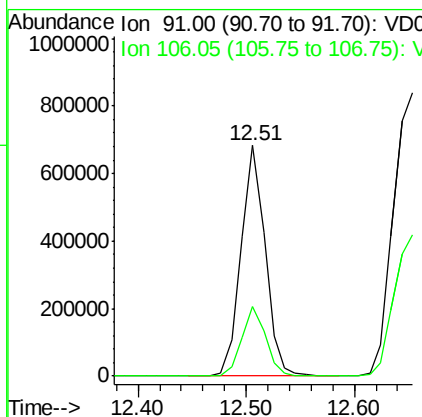
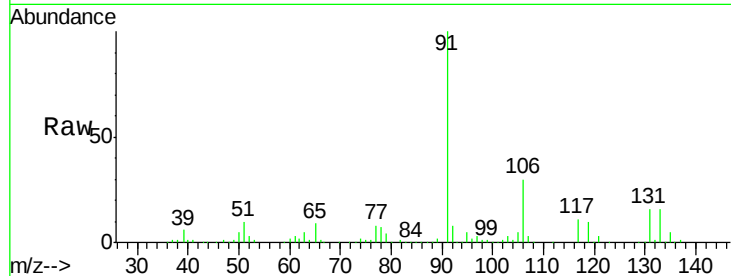
#67
Ethyl Benzene
Concen: 46.471 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD062060.D
Acq: 29 Apr 2019 13:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1063712
Ion Ratio Lower Upper
91 100
106 30.4 24.7 37.1

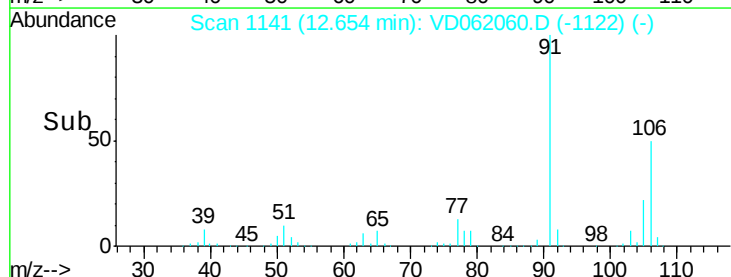
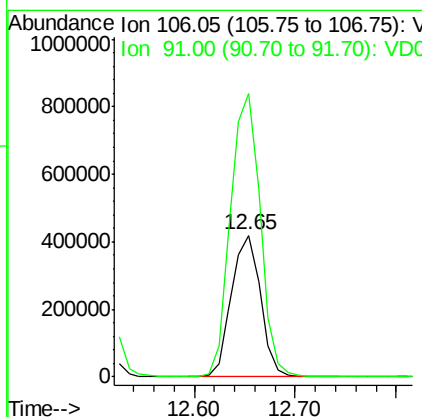
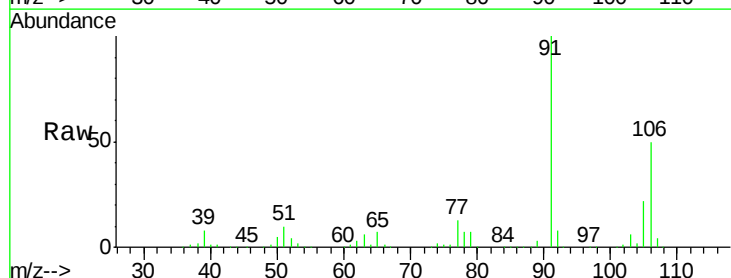
Manual Integrations
APPROVED

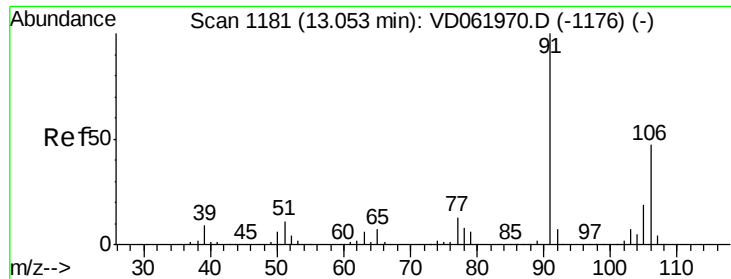
MMDadoda
5/1/2019 9:27:55 AM



#68
m/p-Xylenes
Concen: 101.572 ug/l
RT: 12.65 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD062060.D
Acq: 29 Apr 2019 13:43

Tgt Ion: 106 Resp: 840303
Ion Ratio Lower Upper
106 100
91 200.0 164.0 246.0





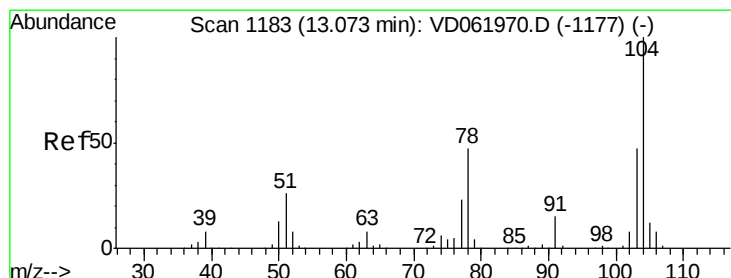
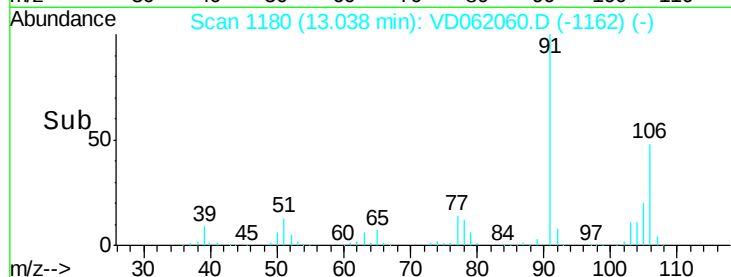
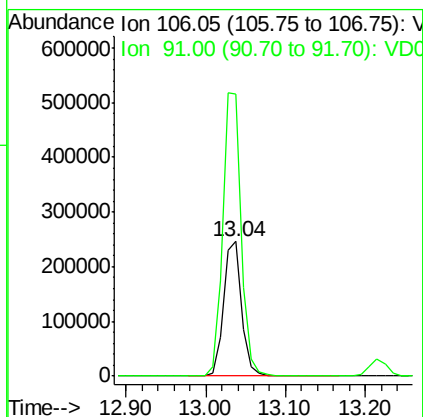
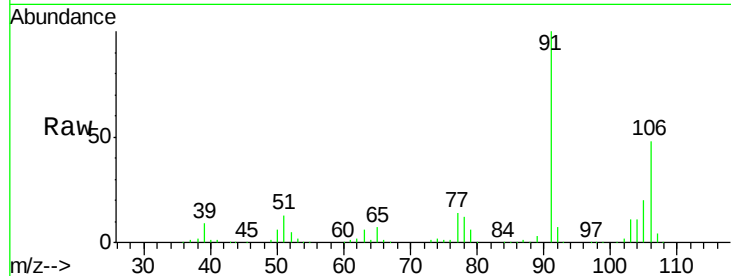
#69
o-Xylene
Concen: 52.067 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.02 min
Lab File: VD062060.D
Acq: 29 Apr 2019 13:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 394122
Ion Ratio Lower Upper
106 100
91 209.2 106.7 319.9

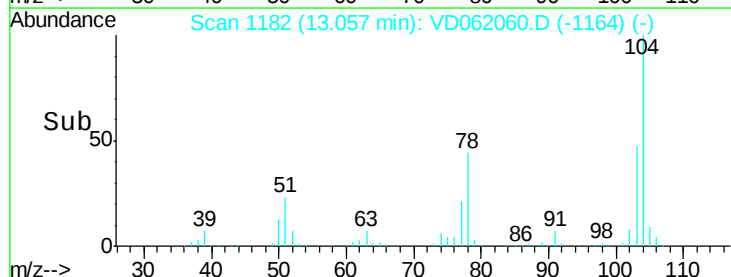
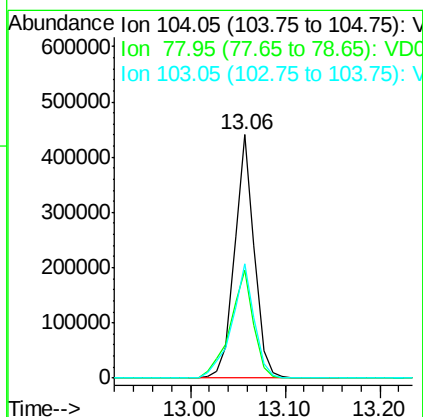
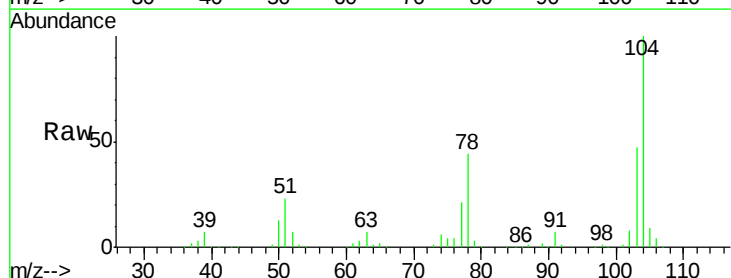
Manual Integrations
APPROVED

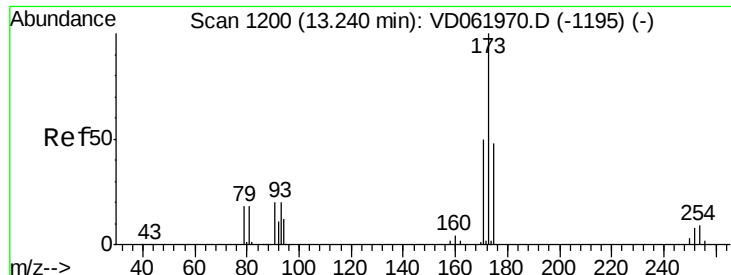
MMDadoda
5/1/2019 9:27:55 AM



#70
Styrene
Concen: 48.505 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.02 min
Lab File: VD062060.D
Acq: 29 Apr 2019 13:43

Tgt Ion:104 Resp: 633975
Ion Ratio Lower Upper
104 100
78 44.4 35.4 53.2
103 46.8 37.5 56.3





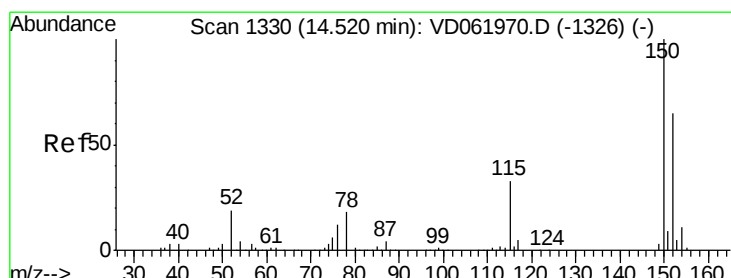
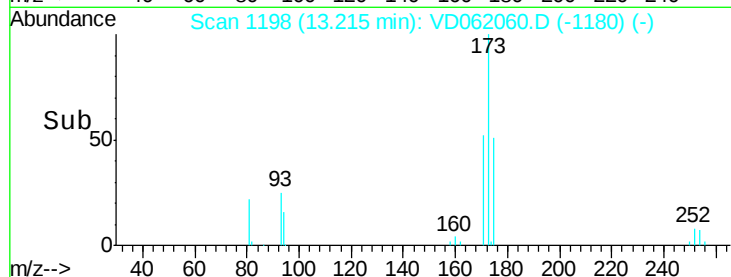
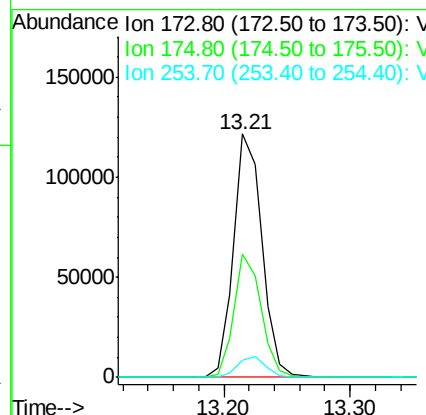
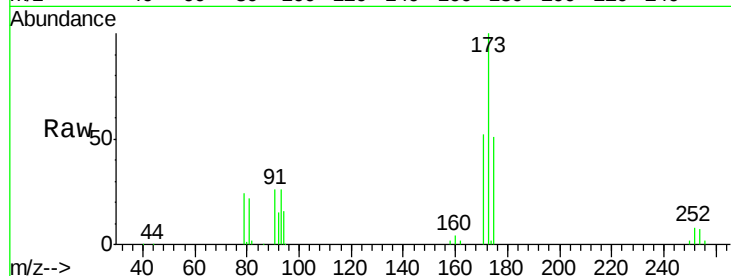
#71
Bromoform
Concen: 55.398 ug/l
RT: 13.21 min Scan# 1198
Delta R.T. -0.02 min
Lab File: VD062060.D
Acq: 29 Apr 2019 13:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.6	24.4	73.4
254	6.7	5.4	8.2

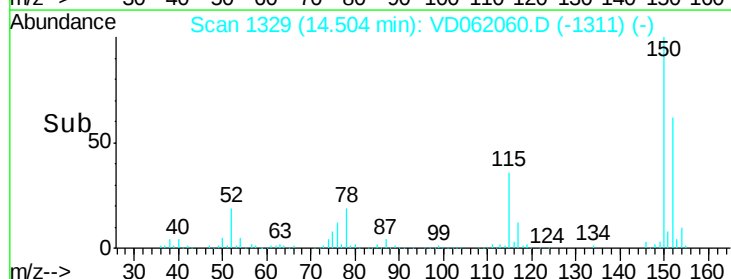
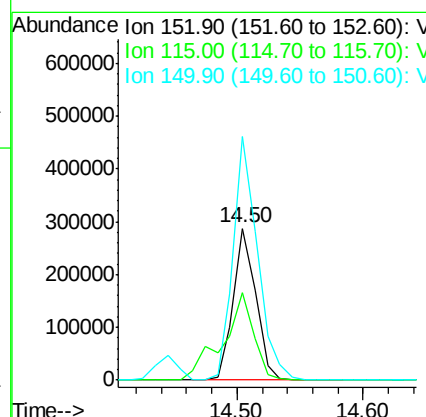
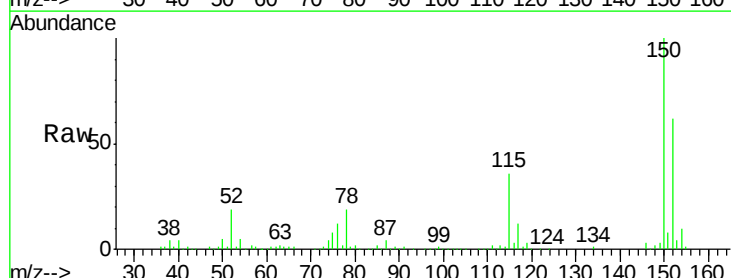
Manual Integrations
APPROVED

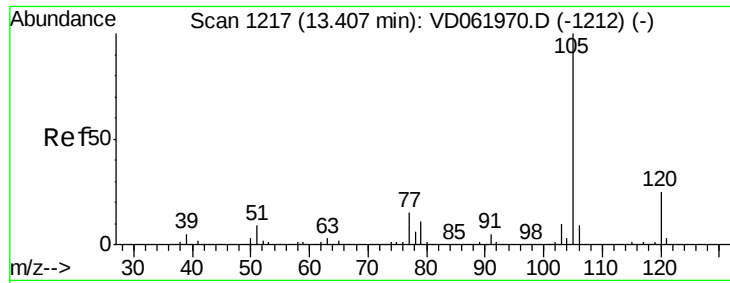
MMDadoda
5/1/2019 9:27:55 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.50 min Scan# 1329
Delta R.T. -0.02 min
Lab File: VD062060.D
Acq: 29 Apr 2019 13:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.3	30.9	92.7
150	160.7	0.0	314.8





#73

Isopropylbenzene

Concen: 45.581 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062060.D

Acq: 29 Apr 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1071879

Ion Ratio Lower Upper

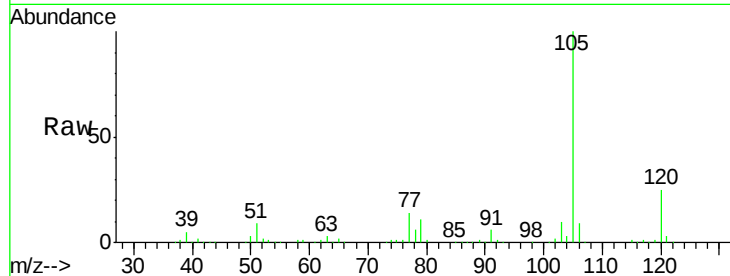
105 100

120 25.3 12.0 36.1

Manual Integrations
APPROVED

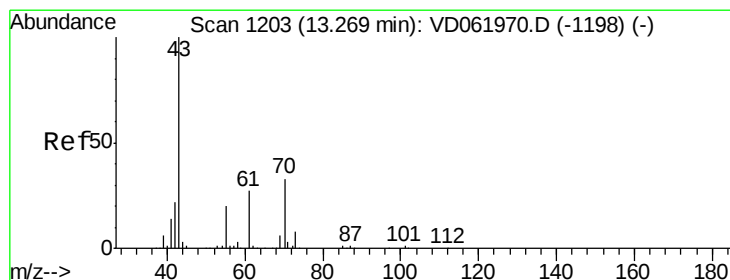
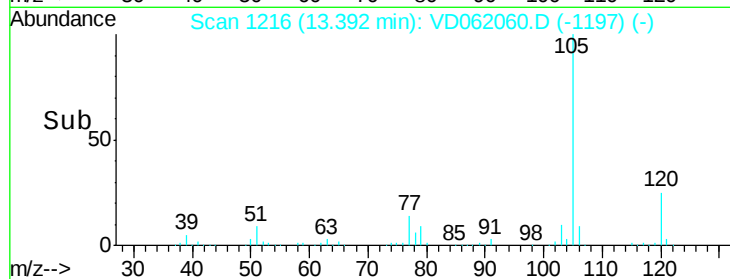
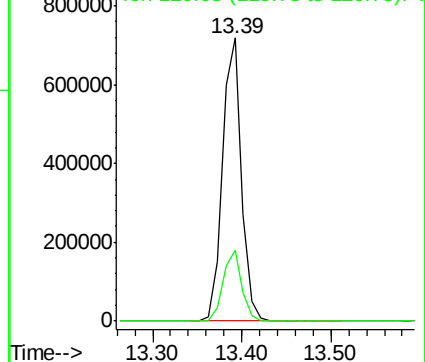
MMDadoda

5/1/2019 9:27:55 AM



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 47.725 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD062060.D

Acq: 29 Apr 2019 13:43

Tgt Ion: 43 Resp: 289029

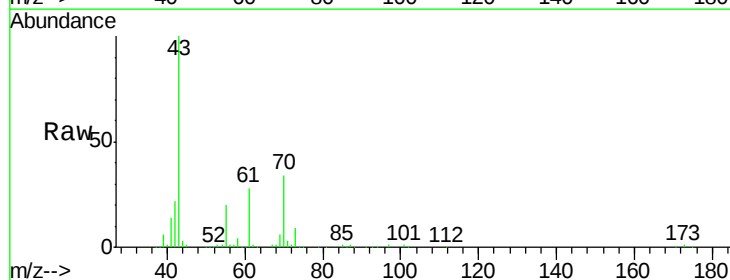
Ion Ratio Lower Upper

43 100

70 33.6 24.2 36.4

55 20.4 16.0 24.0

61 27.7 21.6 32.4

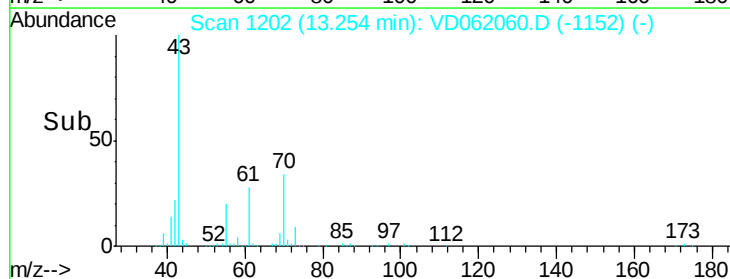
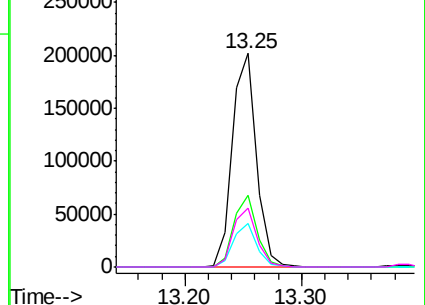


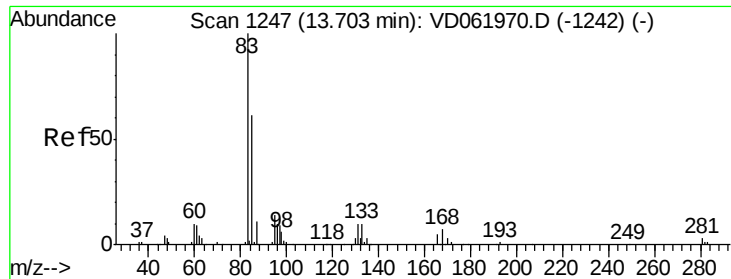
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 49.560 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD062060.D

Acq: 29 Apr 2019 13:43

Instrument :

MSVOA_D

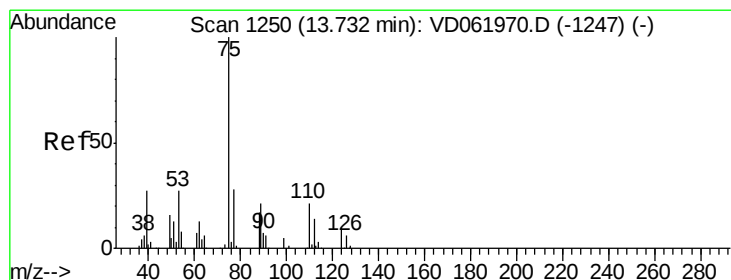
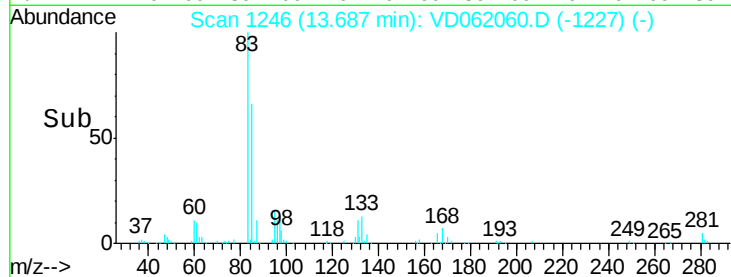
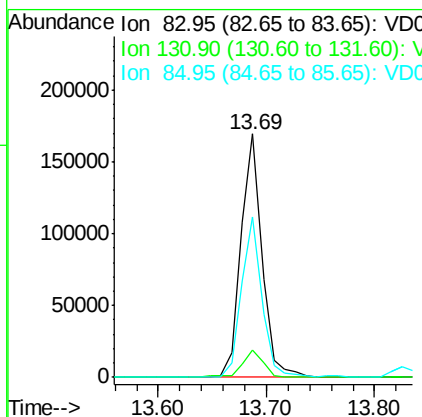
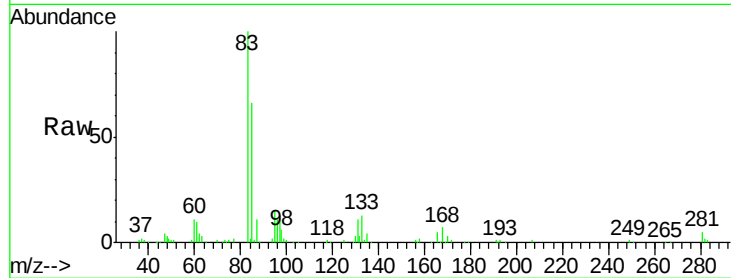
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	228385
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.0	14.9
85	66.0	32.6	97.7

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#76

1,2,3-Trichloropropane

Concen: 49.930 ug/l

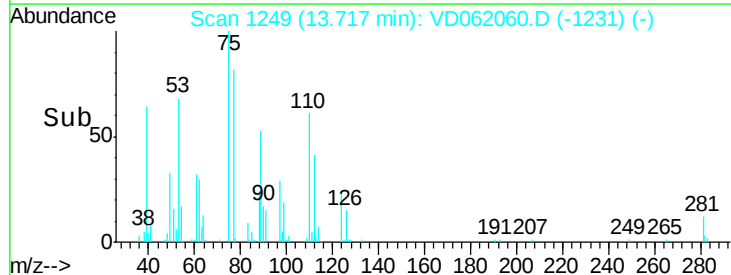
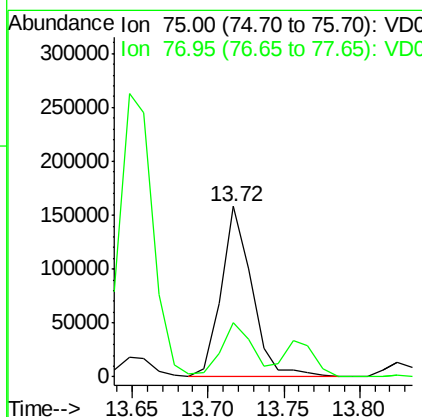
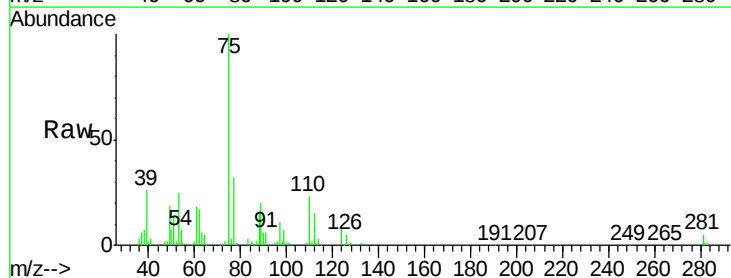
RT: 13.72 min Scan# 1249

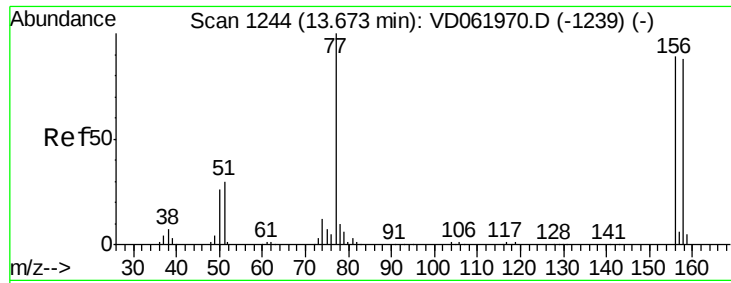
Delta R.T. -0.02 min

Lab File: VD062060.D

Acq: 29 Apr 2019 13:43

Tgt Ion:	75	Resp:	223513
Ion Ratio	Lower	Upper	
75	100		
77	31.9	16.4	49.4





#77

Bromobenzene

Concen: 48.671 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD062060.D

Acq: 29 Apr 2019 13:43

Instrument :

MSVOA_D

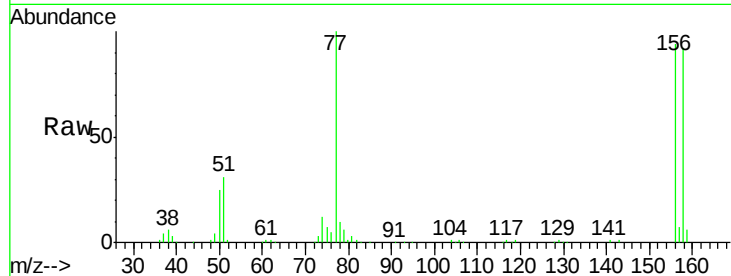
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	106.9	53.1	159.4
158	98.5	49.4	148.0

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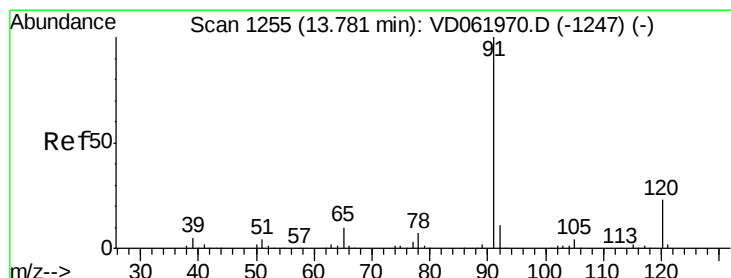
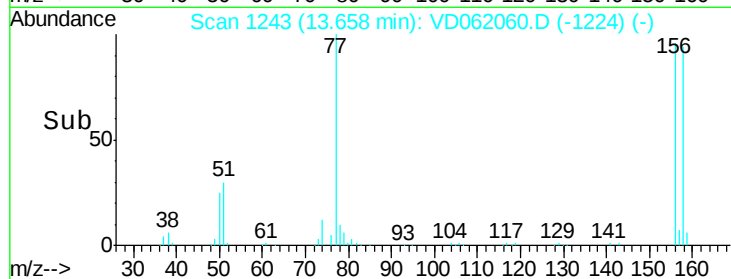
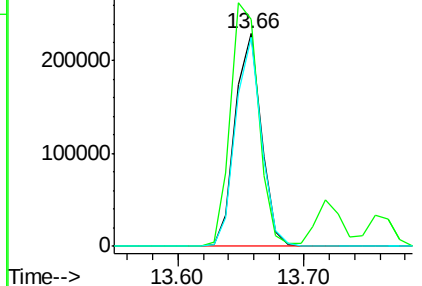
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 47.882 ug/l

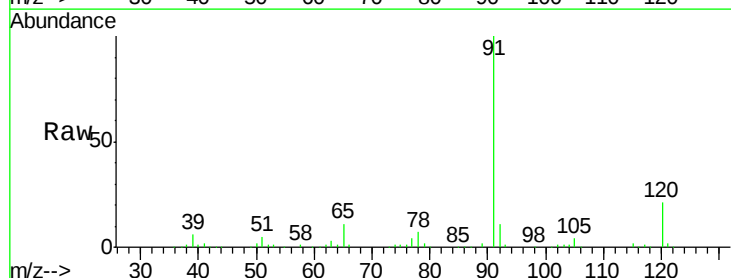
RT: 13.76 min Scan# 1253

Delta R.T. -0.02 min

Lab File: VD062060.D

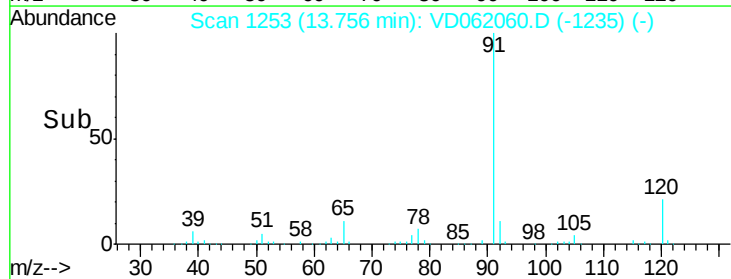
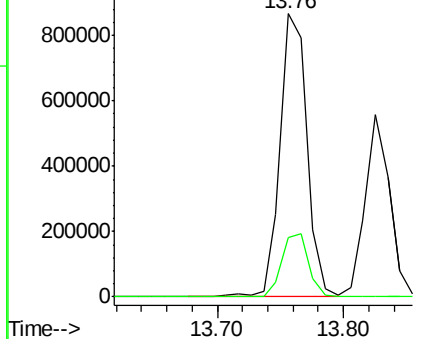
Acq: 29 Apr 2019 13:43

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.9	11.1	33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 46.173 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.02 min

Lab File: VD062060.D

Acq: 29 Apr 2019 13:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 752889

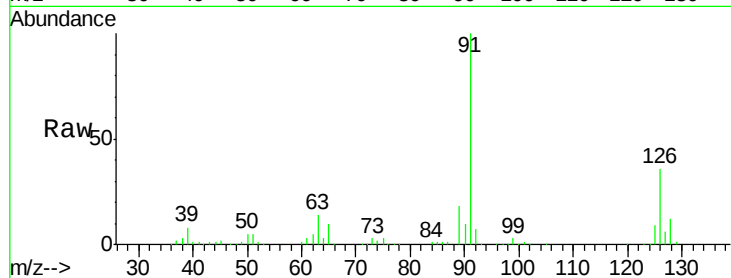
Ion Ratio Lower Upper

91 100

126 36.2 18.6 55.8

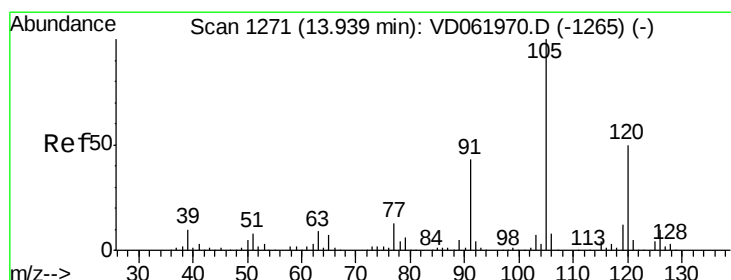
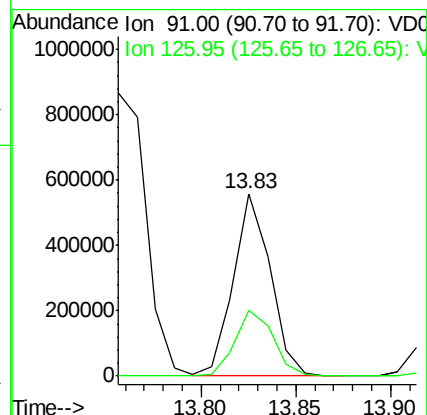
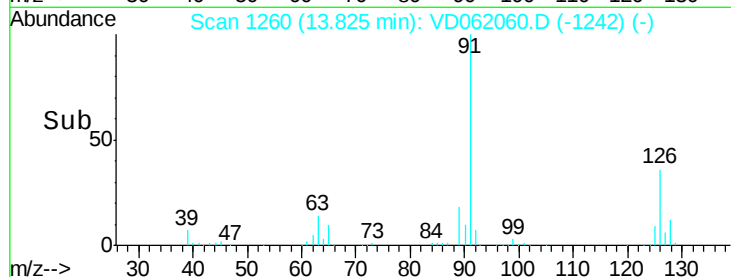
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Abundance Ion 91.00 (90.70 to 91.70): VD061970.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD061970.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.436 ug/l

RT: 13.92 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD062060.D

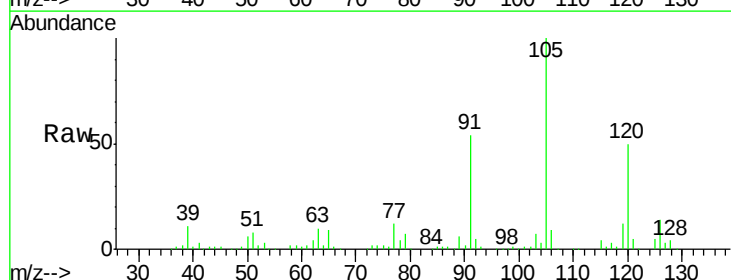
Acq: 29 Apr 2019 13:43

Tgt Ion: 105 Resp: 908208

Ion Ratio Lower Upper

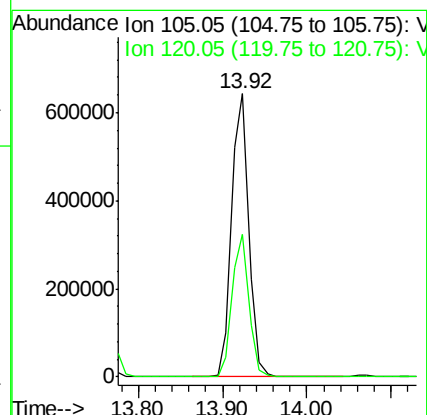
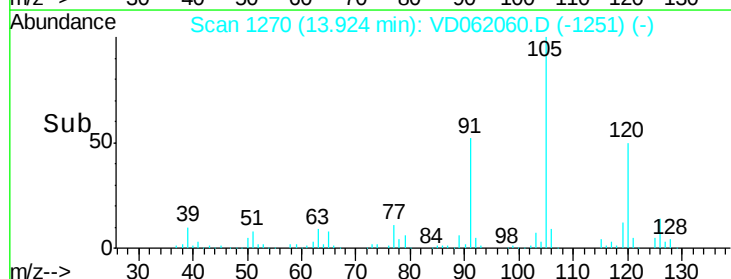
105 100

120 50.3 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): VD061970.D (-1265) (-)

Ion 120.05 (119.75 to 120.75): VD061970.D (-1265) (-)





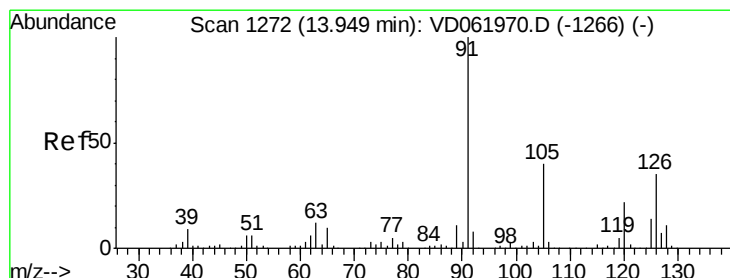
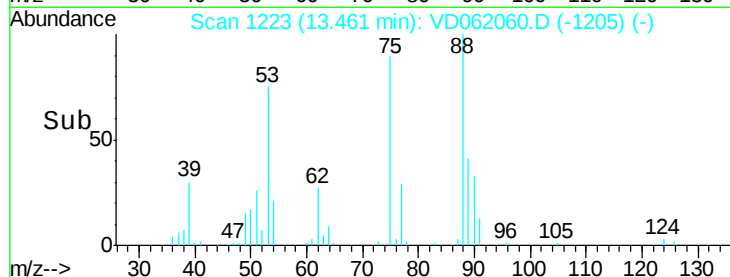
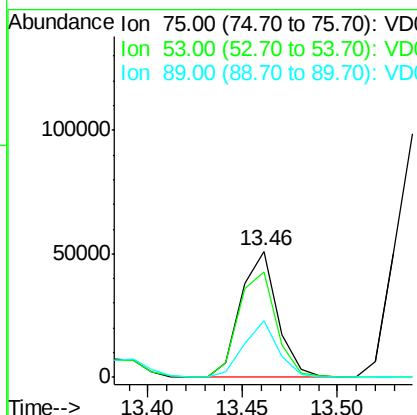
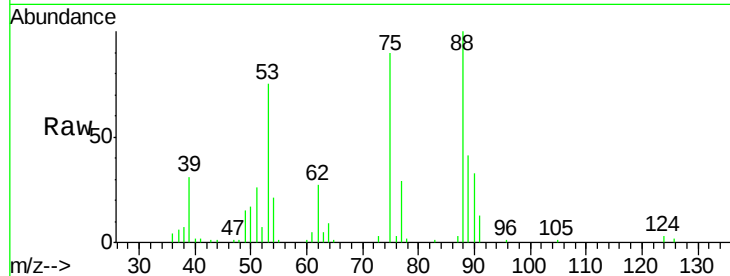
#81
trans-1,4-Dichloro-2-butene
Concen: 50.545 ug/l
RT: 13.46 min Scan# 1223
Delta R.T. -0.02 min
Lab File: VD062060.D
Acq: 29 Apr 2019 13:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	83.3	65.8	98.8
89	45.2	35.0	52.6

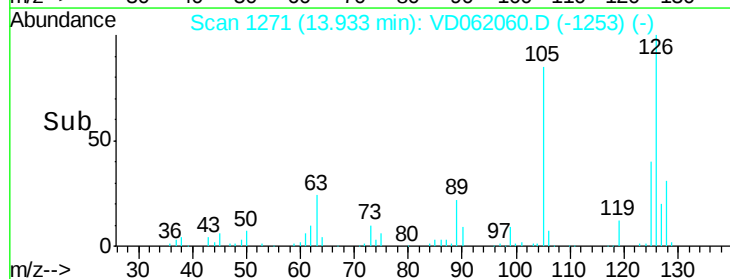
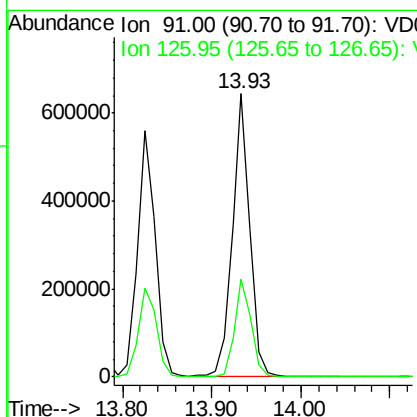
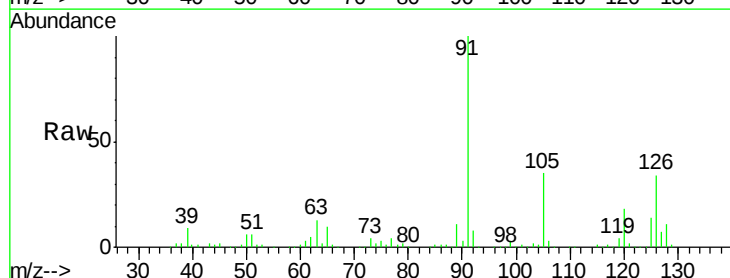
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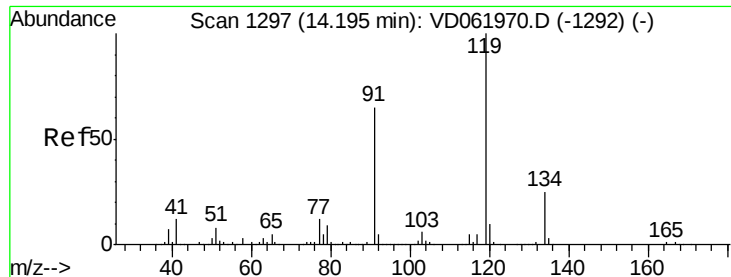
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#82
4-Chlorotoluene
Concen: 49.311 ug/l
RT: 13.93 min Scan# 1271
Delta R.T. -0.02 min
Lab File: VD062060.D
Acq: 29 Apr 2019 13:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	19.1	57.5





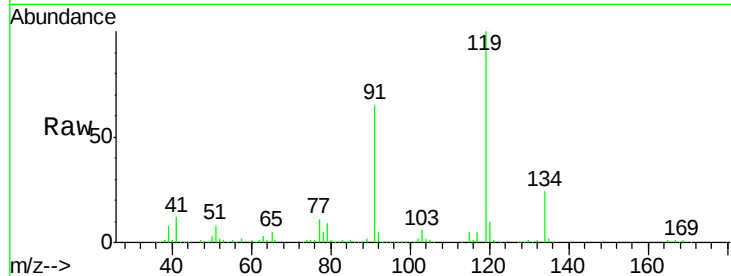
#83
tert-Butylbenzene
Concen: 47.809 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. -0.01 min
Lab File: VD062060.D
Acq: 29 Apr 2019 13:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

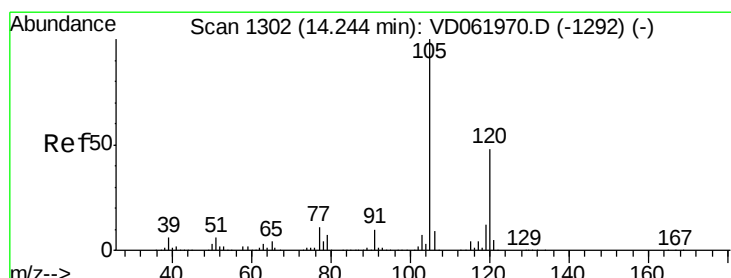
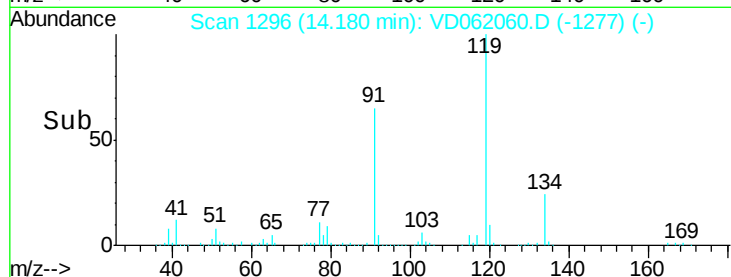
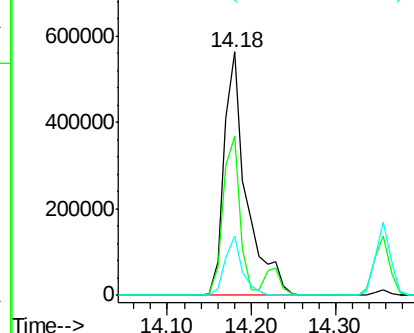
Tot Ion:119 Resp: 1038487
Ion Ratio Lower Upper
119 100
91 65.2 34.2 102.6
134 24.4 12.0 36.0

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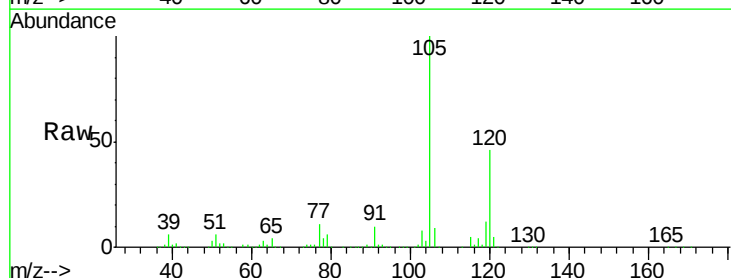


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

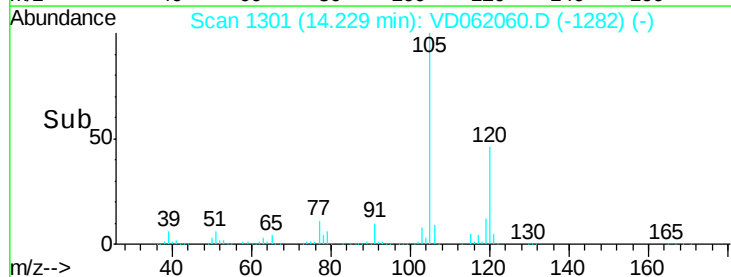
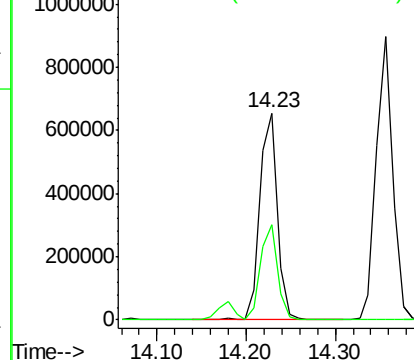


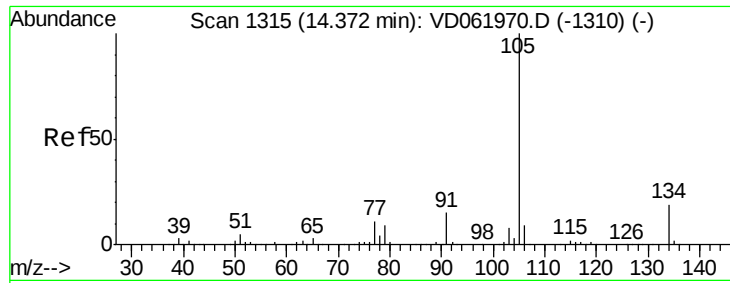
#84
1,2,4-Trimethylbenzene
Concen: 49.020 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VD062060.D
Acq: 29 Apr 2019 13:43

Tgt Ion:105 Resp: 877649
Ion Ratio Lower Upper
105 100
120 45.9 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V





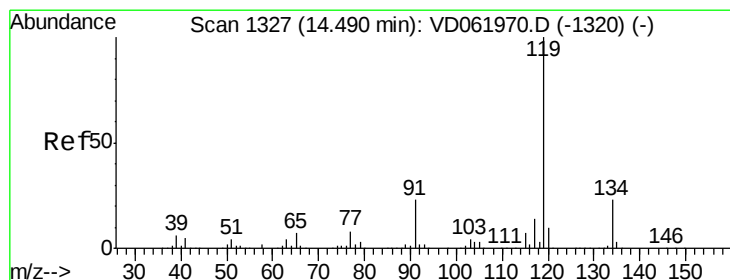
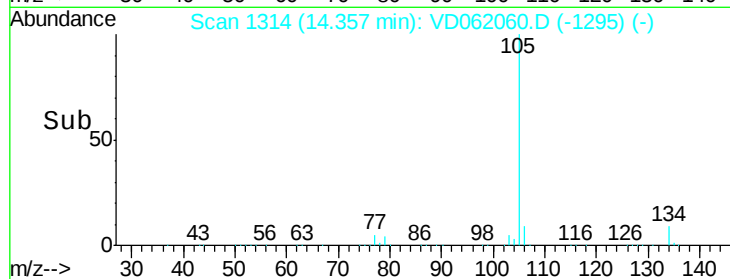
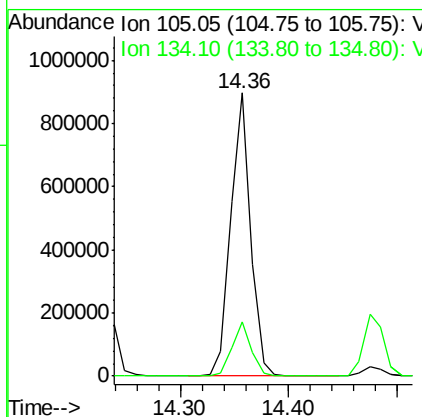
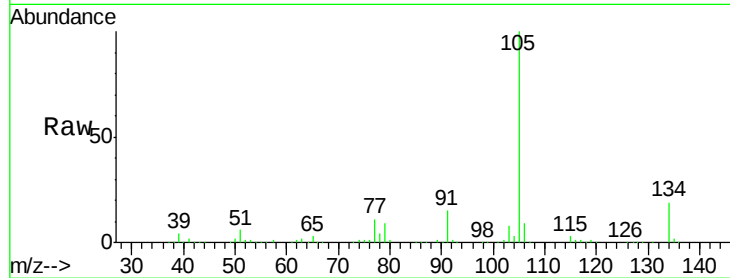
#85
 sec-Butylbenzene
 Concen: 48.805 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD062060.D
 Acq: 29 Apr 2019 13:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1145466
 Ion Ratio Lower Upper
 105 100
 134 19.0 8.9 26.7

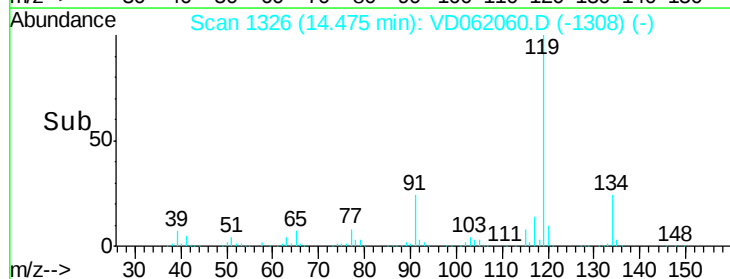
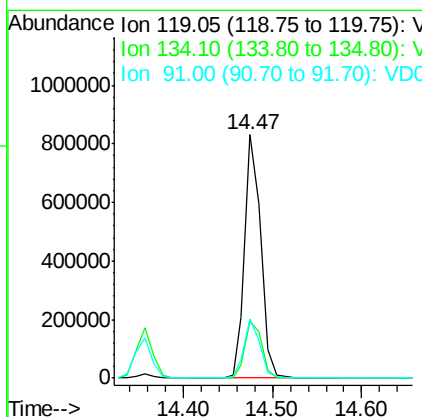
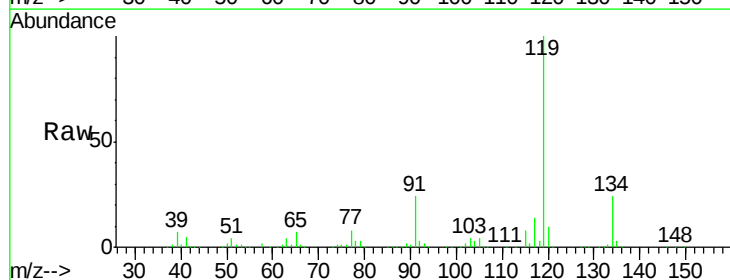
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#86
 p-Isopropyltoluene
 Concen: 49.734 ug/l
 RT: 14.47 min Scan# 1326
 Delta R.T. -0.02 min
 Lab File: VD062060.D
 Acq: 29 Apr 2019 13:43

Tgt Ion:119 Resp: 1044679
 Ion Ratio Lower Upper
 119 100
 134 23.5 12.8 38.3
 91 24.3 10.7 32.1





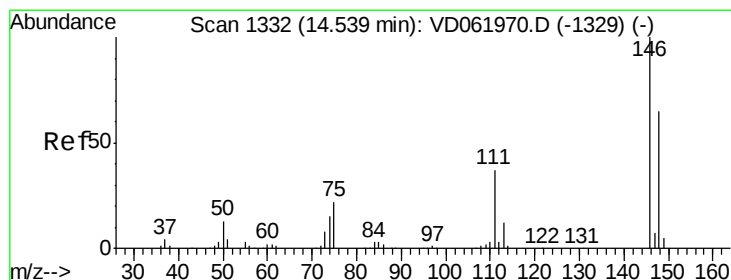
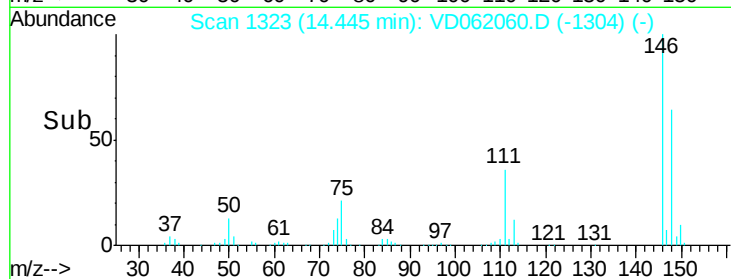
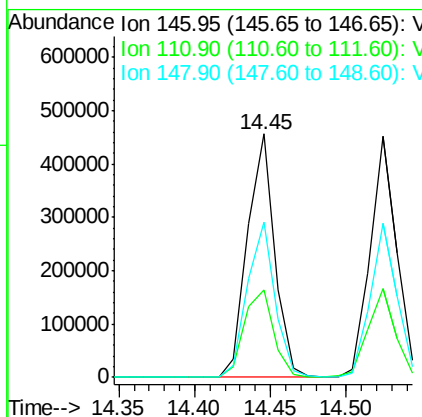
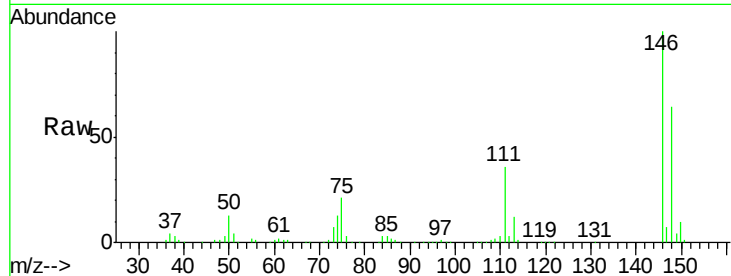
#87
 1,3-Dichlorobenzene
 Concen: 48.612 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD062060.D
 Acq: 29 Apr 2019 13:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.2	20.0	60.0
148	63.7	31.8	95.4

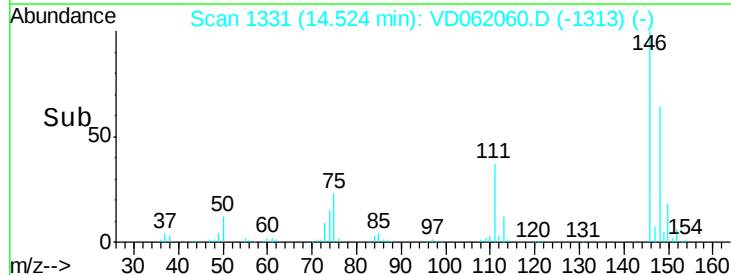
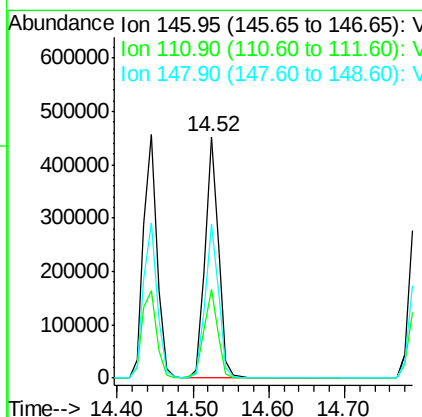
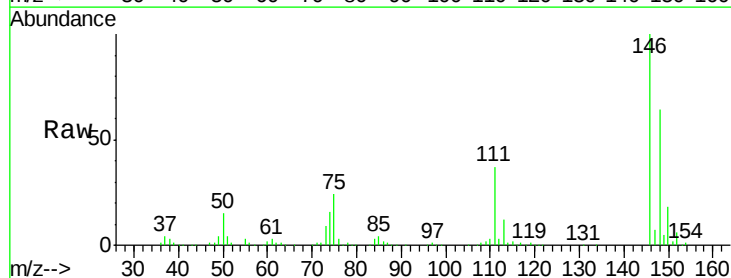
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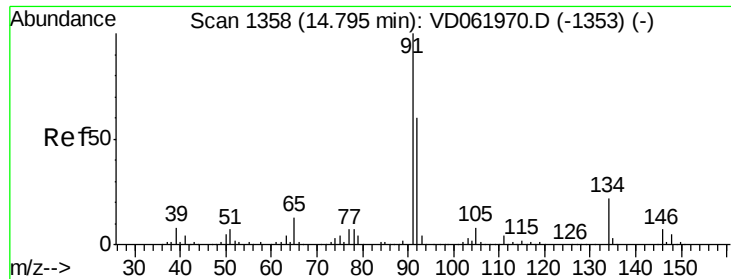
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#88
 1,4-Dichlorobenzene
 Concen: 50.534 ug/l
 RT: 14.52 min Scan# 1331
 Delta R.T. -0.02 min
 Lab File: VD062060.D
 Acq: 29 Apr 2019 13:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	20.2	60.5
148	64.0	32.0	96.2





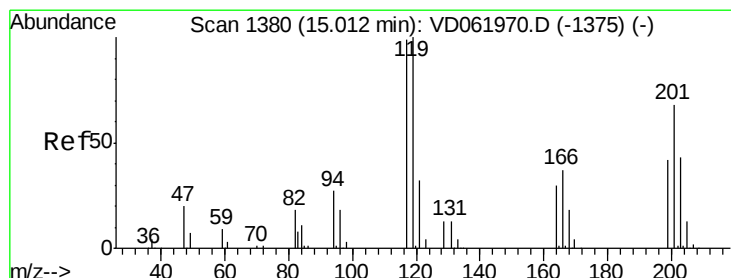
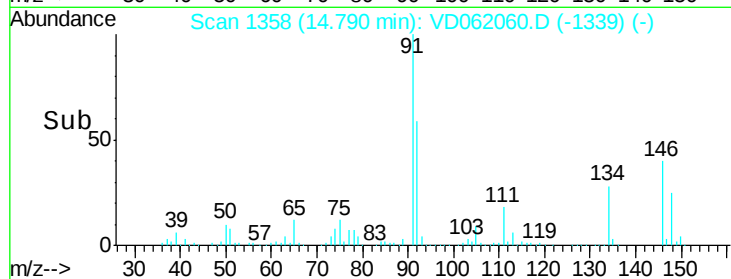
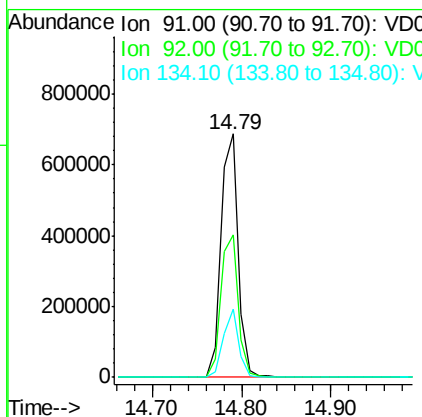
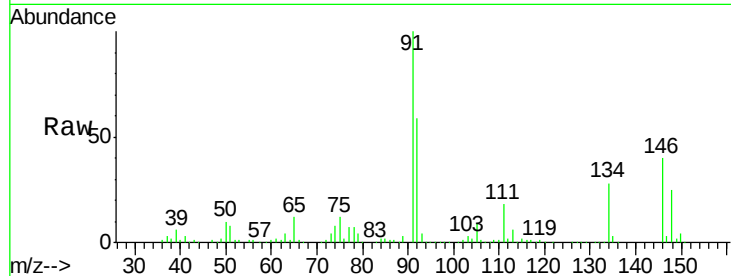
#89
n-Butylbenzene
Concen: 49.612 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. -0.01 min
Lab File: VD062060.D
Acq: 29 Apr 2019 13:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	935591		
92	58.7	30.3	91.0	
134	28.2	14.5	43.6	

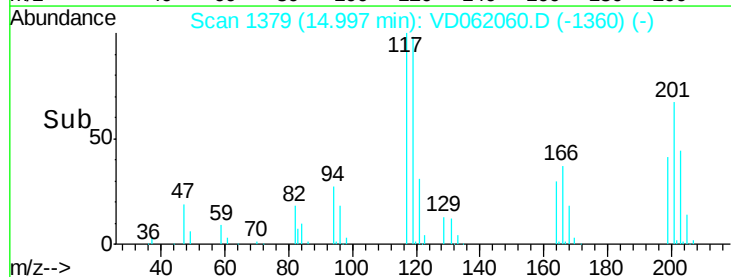
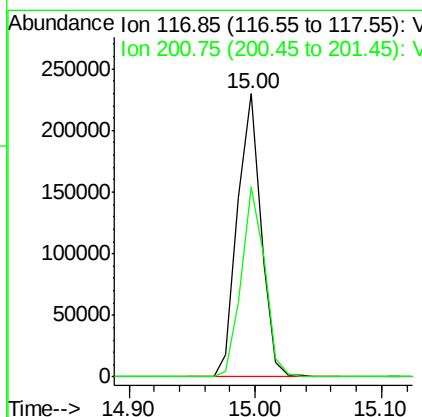
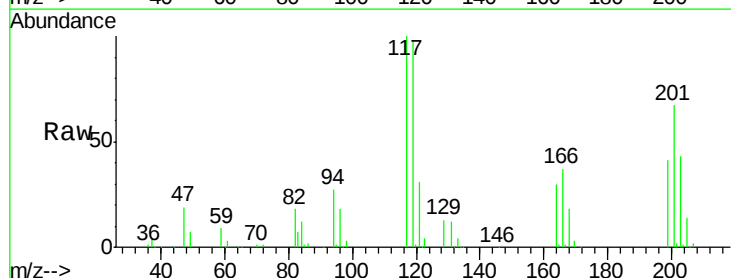
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#90
Hexachloroethane
Concen: 52.147 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VD062060.D
Acq: 29 Apr 2019 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	296195		
201	67.0	30.2	90.6	





#91

1,2-Dichlorobenzene

Concen: 49.465 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.01 min

Lab File: VD062060.D

Acq: 29 Apr 2019 13:43

Instrument :

MSVOA_D

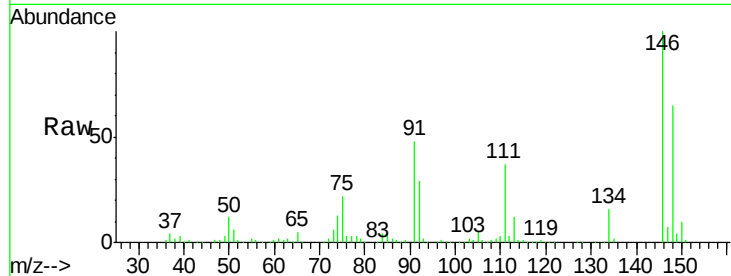
ClientSampleId :

VSTDCCC050

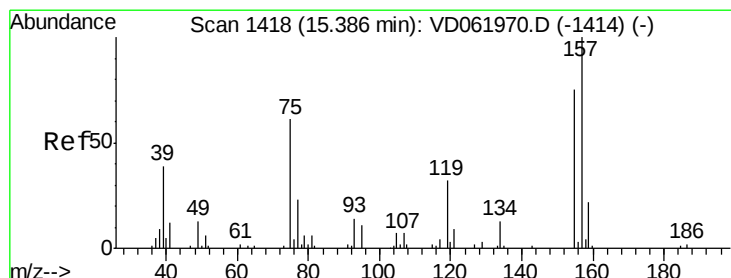
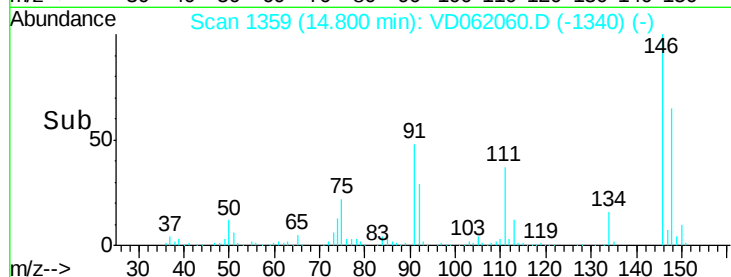
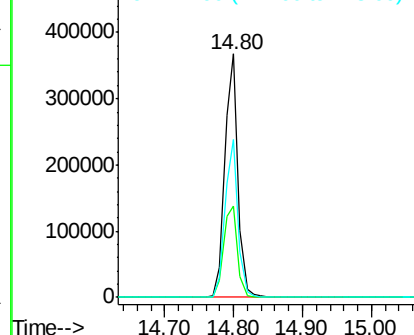
Tot Ion:	146	Resp:	482025
Ion Ratio	Lower	Upper	
146	100		
111	37.3	20.0	59.9
148	64.6	32.3	96.8

Manual Integrations
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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: 48.418 ug/l

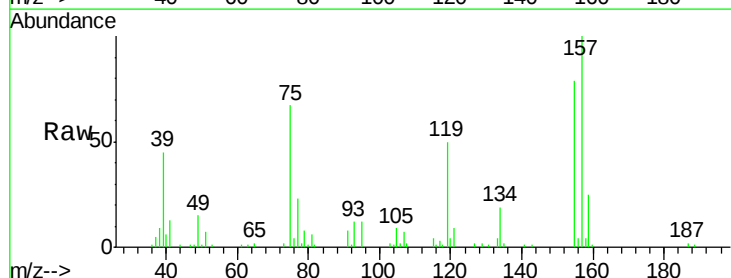
RT: 15.37 min Scan# 1417

Delta R.T. -0.01 min

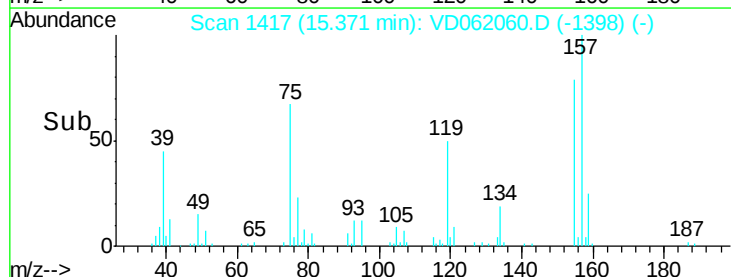
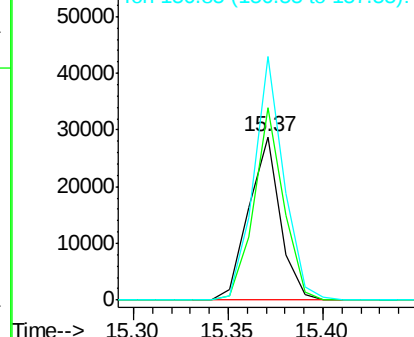
Lab File: VD062060.D

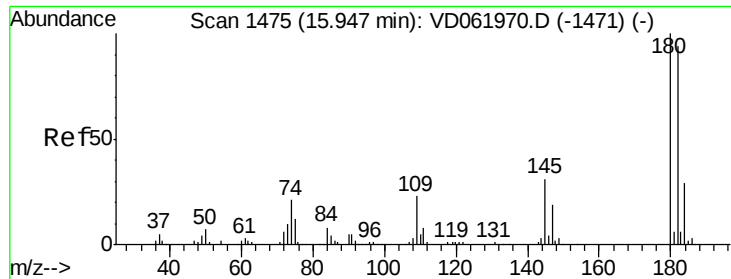
Acq: 29 Apr 2019 13:43

Tgt Ion:	75	Resp:	32905
Ion Ratio	Lower	Upper	
75	100		
155	118.2	55.3	165.8
157	149.3	67.8	203.2



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





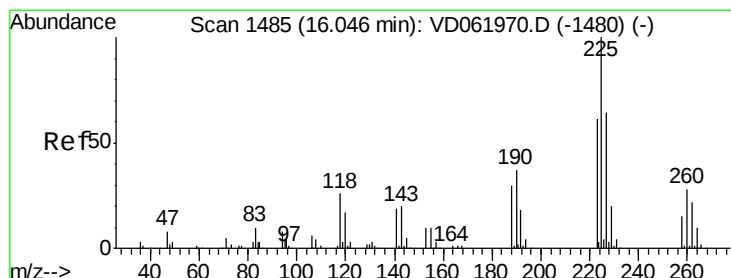
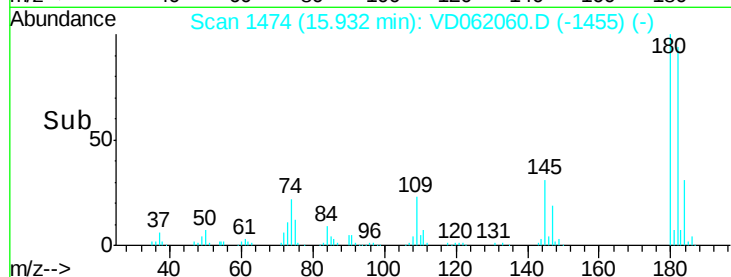
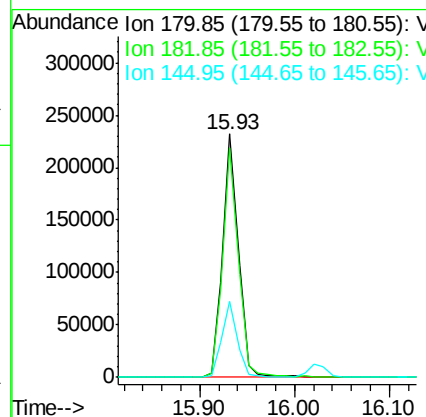
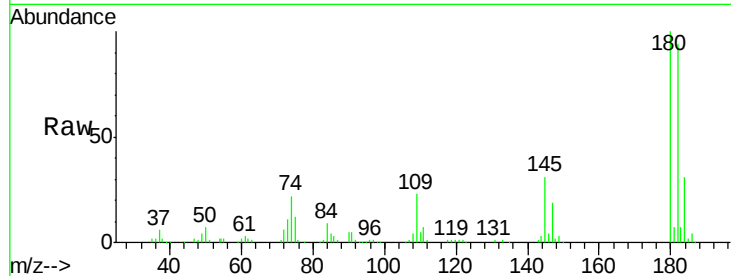
#93
 1,2,4-Trichlorobenzene
 Concen: 51.098 ug/l
 RT: 15.93 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD062060.D
 Acq: 29 Apr 2019 13:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	268666		
182	94.5	49.3	147.8	
145	31.2	16.2	48.6	

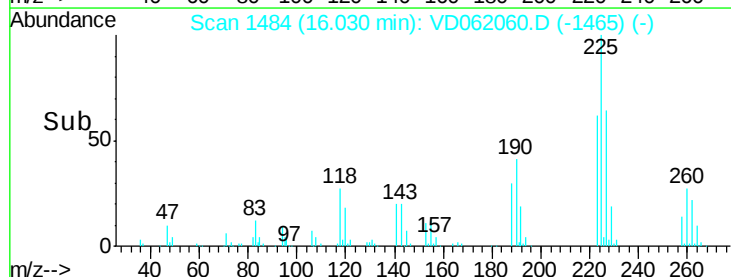
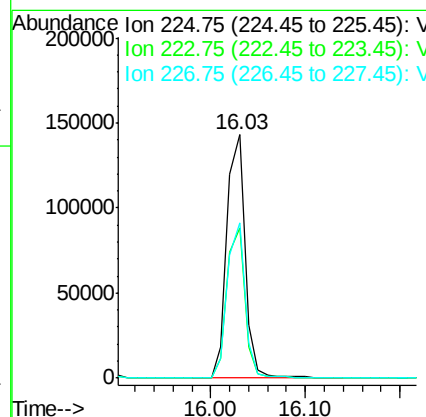
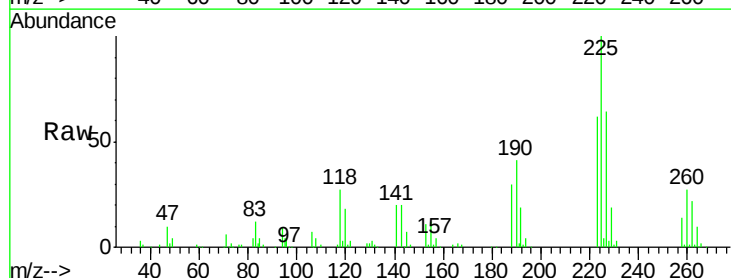
Manual Integrations
 APPROVED

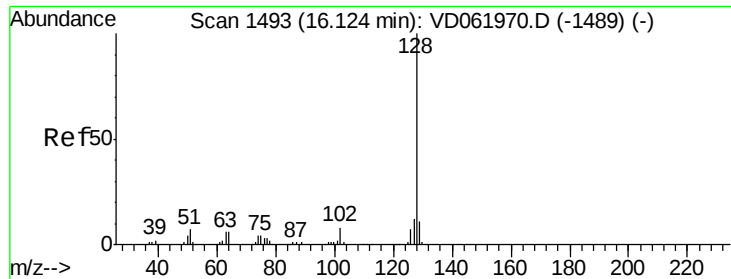
MMDadoda
 5/1/2019 9:27:55 AM



#94
 Hexachlorobutadiene
 Concen: 49.164 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD062060.D
 Acq: 29 Apr 2019 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	191297		
223	61.7	30.6	92.0	
227	63.6	32.0	96.2	





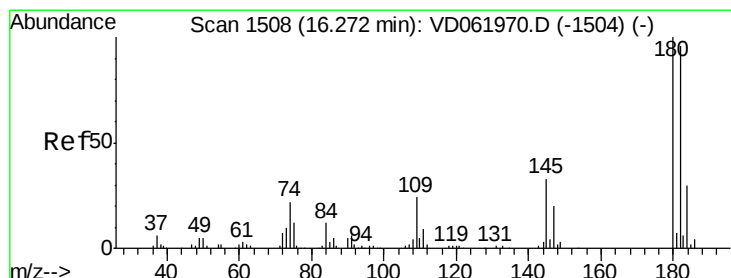
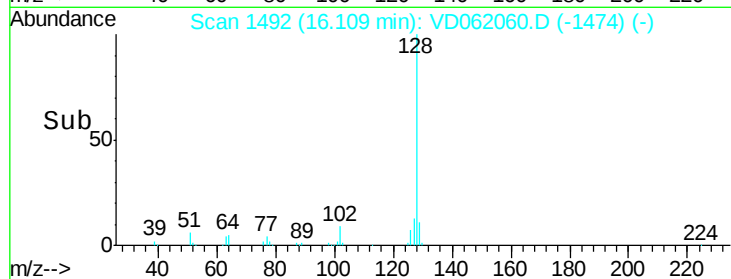
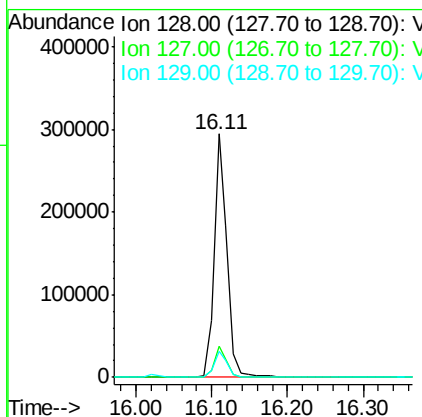
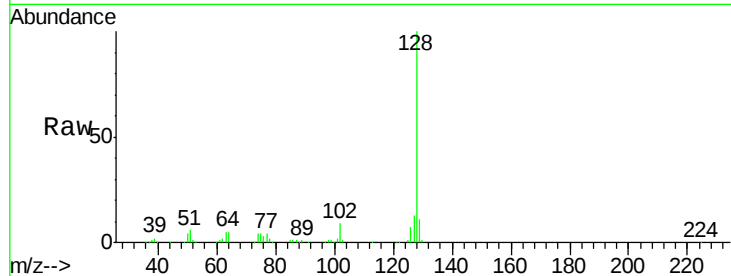
#95
Naphthalene
Concen: 41.574 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. -0.02 min
Lab File: VD062060.D
Acq: 29 Apr 2019 13:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:	128	Resp:	352941
Ion Ratio	Lower	Upper	
128	100		
127	12.6	9.8	14.8
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/1/2019 9:27:55 AM



#96
1,2,3-Trichlorobenzene
Concen: 48.633 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD062060.D
Acq: 29 Apr 2019 13:43

Tgt Ion:	180	Resp:	145083
Ion Ratio	Lower	Upper	
180	100		
182	97.1	47.0	141.0
145	33.5	17.0	51.0

