

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042419\
 Data File : VD062013.D
 Acq On : 25 Apr 2019 00:13
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/25/2019 11:04:12 AM

Quant Time: Apr 25 03:46:00 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	7.05	168	564163	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	925348	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	724395	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	343670	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	253758	57.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.94%	
35) Dibromofluoromethane	6.92	113	350437	54.76	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	109.52%	
50) Toluene-d8	10.41	98	715862	47.01	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	94.02%	
62) 4-Bromofluorobenzene	13.56	95	292680	47.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.84%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.58	85	228327	45.325	ug/l	100
3) Chloromethane	1.76	50	170277	39.770	ug/l	96
4) Vinyl Chloride	1.85	62	173675	44.754	ug/l	97
5) Bromomethane	2.15	94	52628	51.990	ug/l	98
6) Chloroethane	2.27	64	66195	47.189	ug/l	98
7) Trichlorofluoromethane	2.53	101	306570	52.249	ug/l	99
8) Diethyl Ether	2.88	74	71189	45.269	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.15	101	243863	45.117	ug/l	98
10) Methyl Iodide	3.31	142	369476	45.425	ug/l	96
11) Tert butyl alcohol	4.06	59	69247	277.570	ug/l	99
12) 1,1-Dichloroethene	3.13	96	191904	41.731	ug/l	96
13) Acrolein	3.03	56	65385	252.601	ug/l	91
14) Allyl chloride	3.63	41	275862	43.932	ug/l	94
15) Acrylonitrile	4.20	53	192704	249.451	ug/l	94
16) Acetone	3.22	43	214448	203.407	ug/l	93
17) Carbon Disulfide	3.38	76	584298	43.970	ug/l	99
18) Methyl Acetate	3.65	43	97496	51.036	ug/l	97
19) Methyl tert-butyl Ether	4.24	73	449129	49.225	ug/l	93
20) Methylene Chloride	3.82	84	249675	48.553	ug/l	96
21) trans-1,2-Dichloroethene	4.23	96	221851	42.054	ug/l	97
22) Diisopropyl ether	5.12	45	692974	47.268	ug/l	97
23) Vinyl Acetate	5.06	43	1942311	254.407	ug/l	100
24) 1,1-Dichloroethane	4.99	63	392444	44.289	ug/l	98
25) 2-Butanone	6.07	43	332078	259.794	ug/l	99
26) 2,2-Dichloropropane	6.03	77	343508	44.437	ug/l	99
27) cis-1,2-Dichloroethene	6.05	96	289700	48.273	ug/l	94
28) Bromochloromethane	6.44	49	179632	52.982	ug/l	96
29) Tetrahydrofuran	6.46	42	169216	268.674	ug/l	100
30) Chloroform	6.67	83	532888	52.948	ug/l	100
31) Cyclohexane	6.96	56	322959	49.104	ug/l	97
32) 1,1,1-Trichloroethane	6.87	97	429567	49.055	ug/l	98
36) 1,1-Dichloropropene	7.15	75	343585	47.657	ug/l	99
37) Ethyl Acetate	6.19	43	157696	51.330	ug/l	95
38) Carbon Tetrachloride	7.12	117	445301m	48.744	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	313748	44.109	ug/l	99
40) Benzene	7.45	78	870117	48.751	ug/l	98
41) Methacrylonitrile	6.44	41	195425	54.518	ug/l #	95
42) 1,2-Dichloroethane	7.58	62	319177	52.669	ug/l	97
43) Isopropyl Acetate	9.24	43	231596	51.593	ug/l #	97
44) Trichloroethene	8.54	130	301841	43.622	ug/l	97
45) 1,2-Dichloropropane	8.94	63	207406	45.806	ug/l	100
46) Dibromomethane	9.07	93	162184	49.779	ug/l	93
47) Bromodichloromethane	9.37	83	369705	48.024	ug/l	99
48) Methyl methacrylate	9.12	41	137766	53.790	ug/l	96
49) 1,4-Dioxane	9.08	88	29467	1067.158	ug/l #	93
51) 4-Methyl-2-Pentanone	10.30	43	700041	255.002	ug/l	99
52) Toluene	10.52	92	477244	41.936	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	302502	46.814	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	385455	49.045	ug/l	99
55) 1,1,2-Trichloroethane	11.20	97	199644	52.255	ug/l	97
56) Ethyl methacrylate	11.05	69	205357	48.531	ug/l	97
57) 1,3-Dichloropropane	11.41	76	295906	50.146	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	488444	248.278	ug/l	98
59) 2-Hexanone	11.53	43	531989	258.332	ug/l	99
60) Dibromochloromethane	11.69	129	307208	48.596	ug/l	96
61) 1,2-Dibromoethane	11.81	107	232702	51.344	ug/l	100
64) Tetrachloroethene	11.26	164	259431	50.204	ug/l	98
65) Chlorobenzene	12.41	112	620481	45.329	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	280233	48.263	ug/l	96
67) Ethyl Benzene	12.52	91	1033859	46.274	ug/l	99
68) m/p-Xylenes	12.67	106	705640	87.385	ug/l	99
69) o-Xylene	13.05	106	362062	49.004	ug/l	95
70) Styrene	13.08	104	596451	46.753	ug/l	99
71) Bromoform	13.23	173	187512	56.645	ug/l	97
73) Isopropylbenzene	13.40	105	1061422	46.299	ug/l	98
74) N-amyl acetate	13.26	43	313234	53.054	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	235396	52.398	ug/l	100
76) 1,2,3-Trichloropropane	13.74	75	227836	52.207	ug/l	100
77) Bromobenzene	13.67	156	302271	45.962	ug/l	82
78) n-propylbenzene	13.78	91	1216372	46.349	ug/l	99
79) 2-Chlorotoluene	13.84	91	715111	44.986	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	730217	39.947	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	66931	50.610	ug/l	91
82) 4-Chlorotoluene	13.95	91	704854	40.263	ug/l	99
83) tert-Butylbenzene	14.19	119	895545	42.291	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	799878	45.827	ug/l	99
85) sec-Butylbenzene	14.37	105	1104247	48.261	ug/l	98
86) p-Isopropyltoluene	14.49	119	826238	40.348	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	492676	42.779	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	462031	42.899	ug/l	95
89) n-Butylbenzene	14.80	91	793020	43.135	ug/l	94
90) Hexachloroethane	15.01	117	246864	44.582	ug/l	93
91) 1,2-Dichlorobenzene	14.81	146	426977	44.945	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	34444	51.794	ug/l	79

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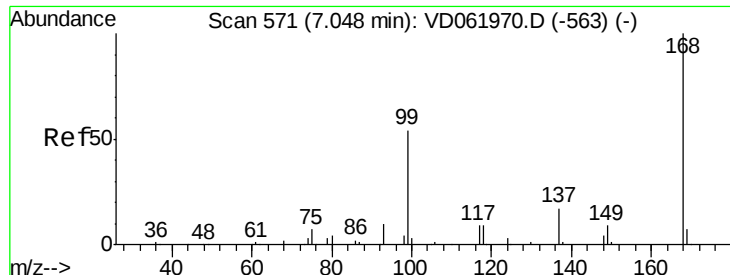
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	260211	50.765	ug/l	95
94) Hexachlorobutadiene	16.04	225	188270	49.633	ug/l	98
95) Naphthalene	16.13	128	442353	53.449	ug/l	100
96) 1,2,3-Trichlorobenzene	16.28	180	161403	55.498	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.00 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 564163

Ion Ratio Lower Upper

168 100

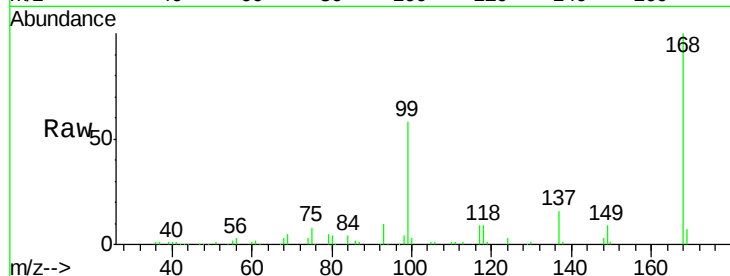
99 58.2 46.5 69.7

Manual Integrations

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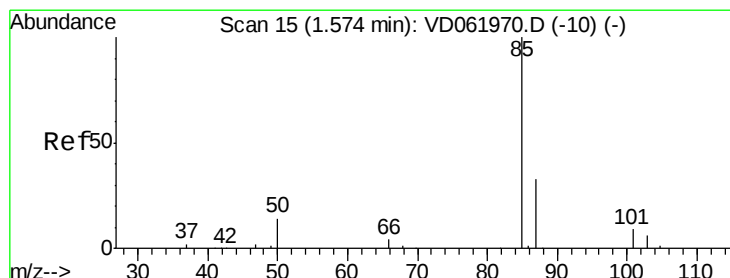
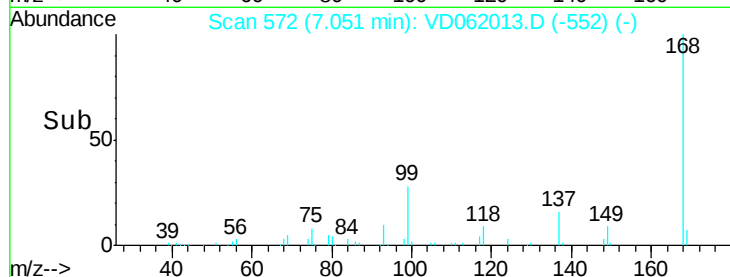
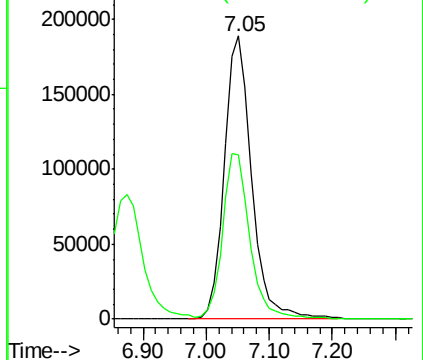
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 45.325 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.01 min

Lab File: VD062013.D

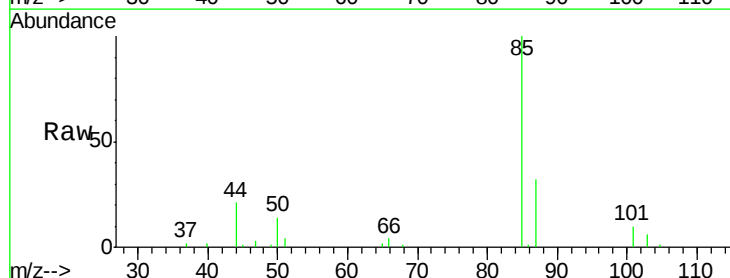
Acq: 25 Apr 2019 00:13

Tgt Ion: 85 Resp: 228327

Ion Ratio Lower Upper

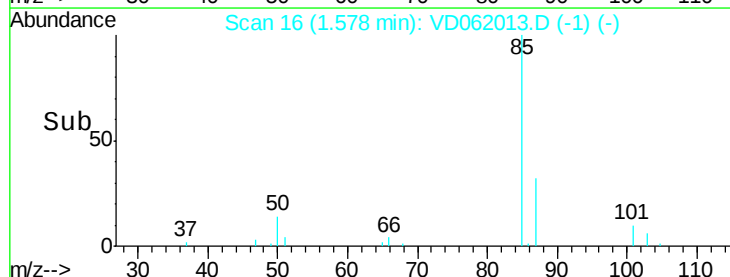
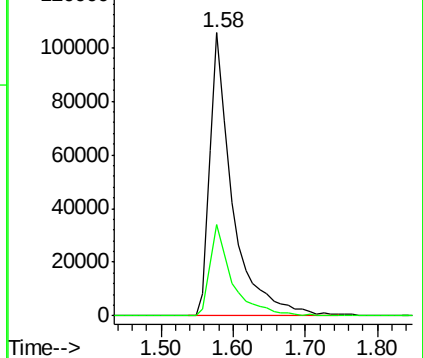
85 100

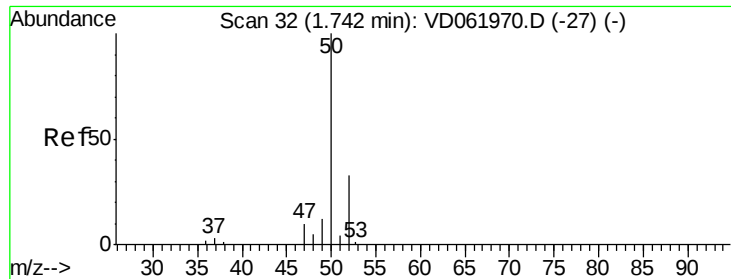
87 32.4 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 39.770 ug/l

RT: 1.76 min Scan# 34

Delta R.T. -0.00 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 170277

Ion Ratio Lower Upper

50 100

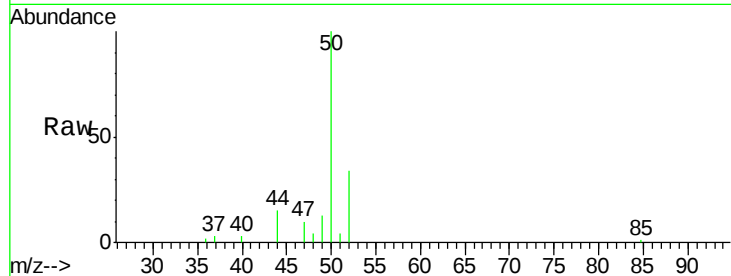
52 33.9 25.2 37.8

Manual Integrations

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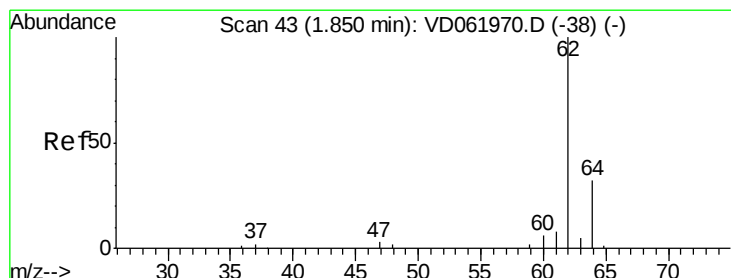
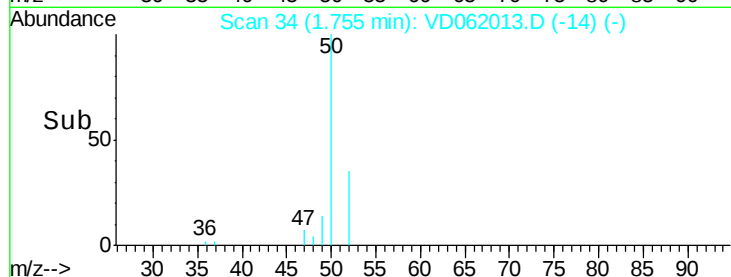
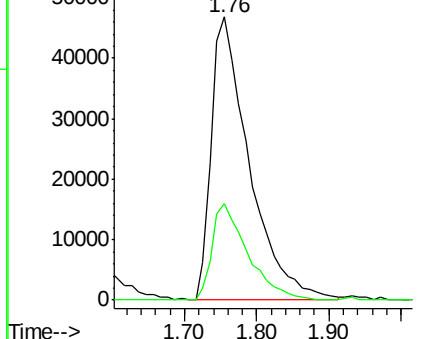
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 44.754 ug/l

RT: 1.85 min Scan# 44

Delta R.T. -0.00 min

Lab File: VD062013.D

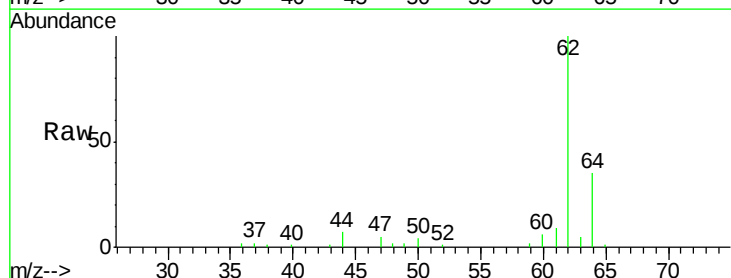
Acq: 25 Apr 2019 00:13

Tgt Ion: 62 Resp: 173675

Ion Ratio Lower Upper

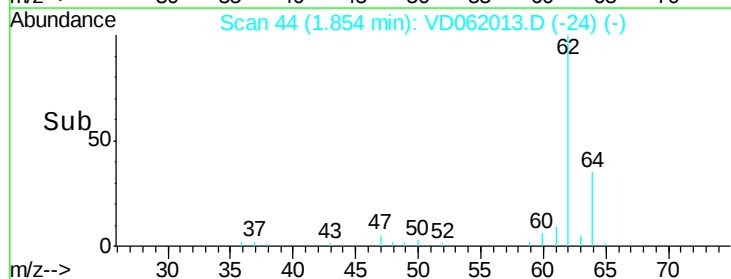
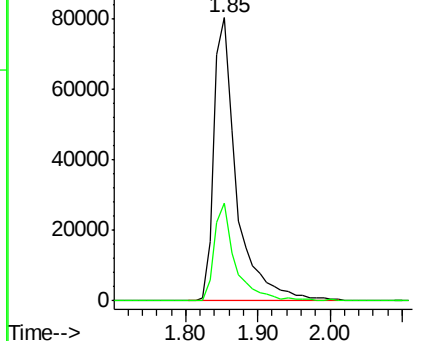
62 100

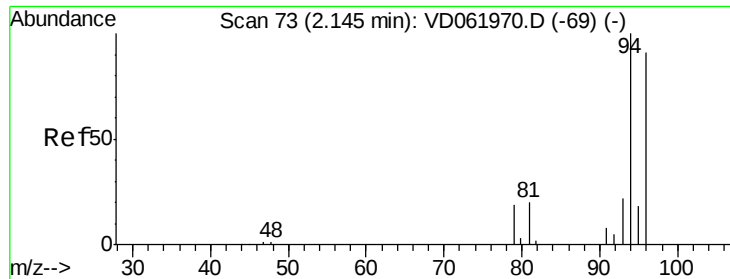
64 34.7 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 51.990 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Instrument :

MSVOA_D

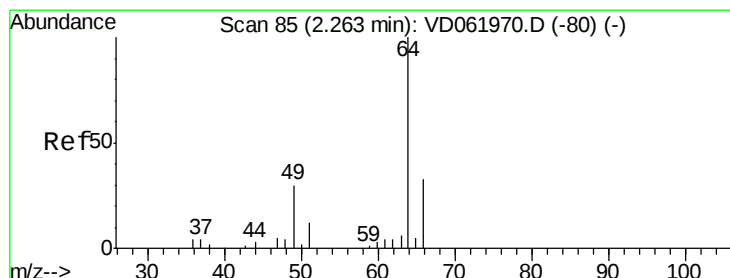
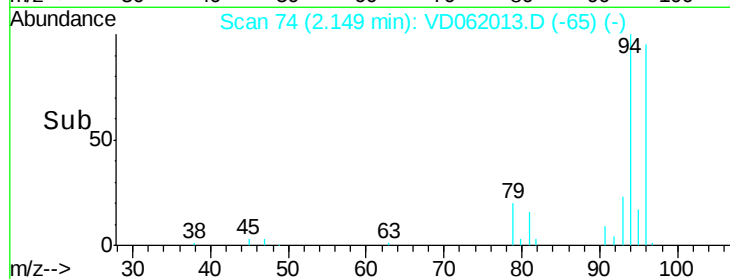
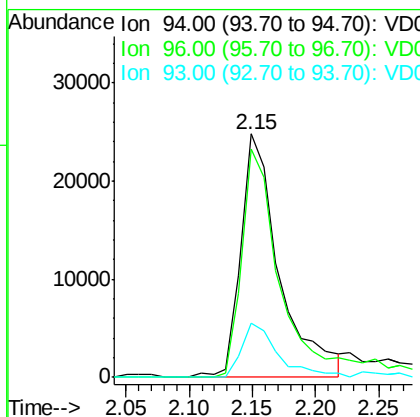
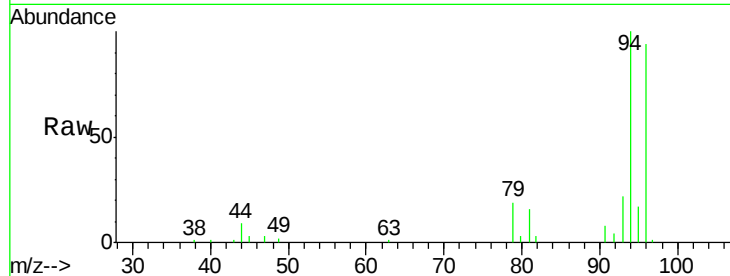
ClientSampleId :

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Tot Ion:	94	Resp:	52628
Ion	Ratio	Lower	Upper
94	100		
96	93.6	76.6	115.0
93	22.3	18.5	27.7

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#6

Chloroethane

Concen: 47.189 ug/l

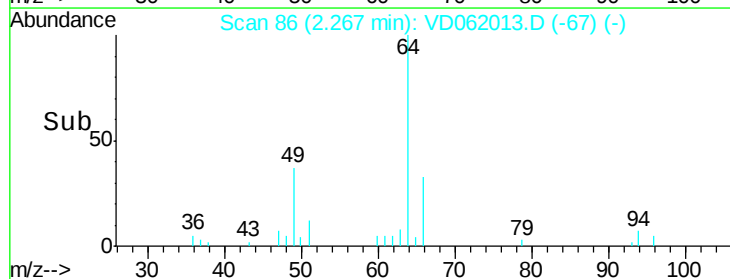
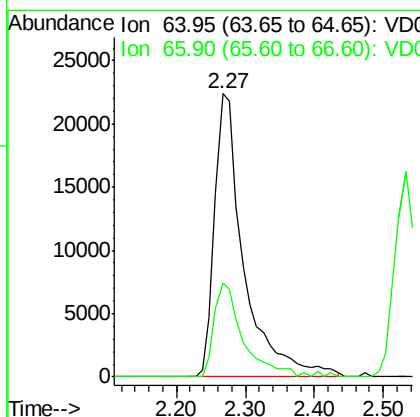
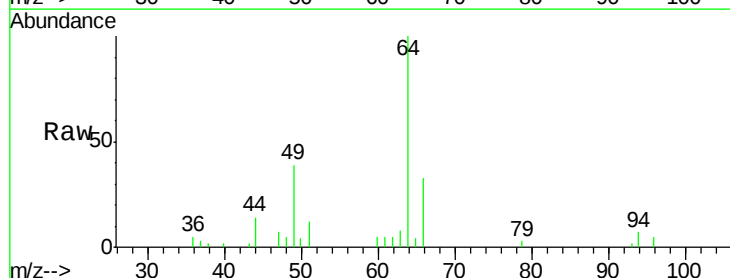
RT: 2.27 min Scan# 86

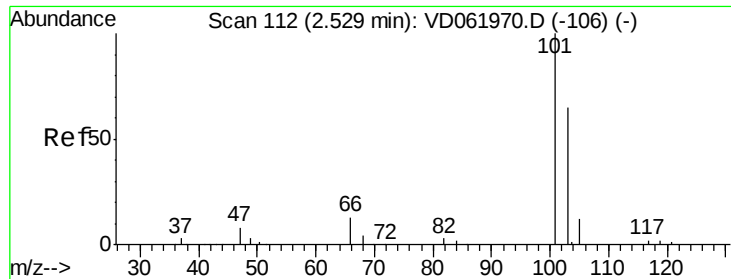
Delta R.T. -0.01 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Tgt Ion:	64	Resp:	66195
Ion	Ratio	Lower	Upper
64	100		
66	33.0	25.6	38.4





#7

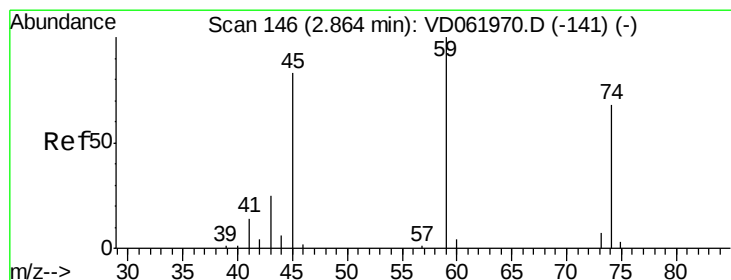
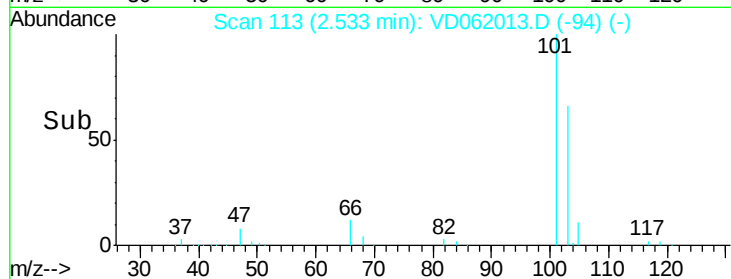
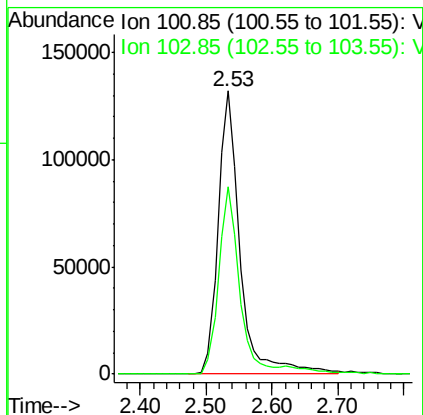
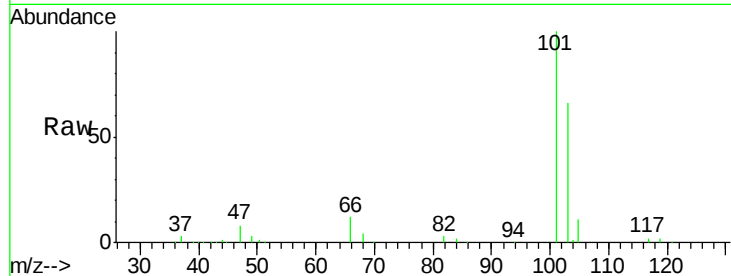
Trichlorofluoromethane
 Concen: 52.249 ug/l
 RT: 2.53 min Scan# 113
 Delta R.T. -0.01 min
 Lab File: VD062013.D
 Acq: 25 Apr 2019 00:13

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	53.6	80.4

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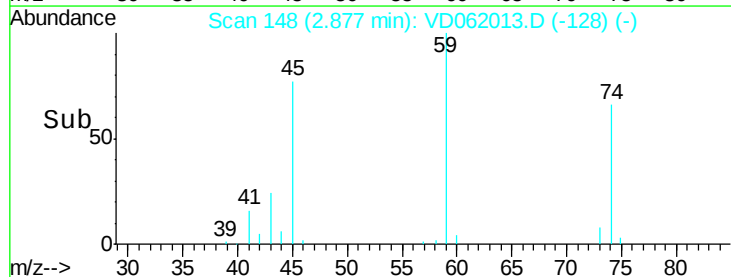
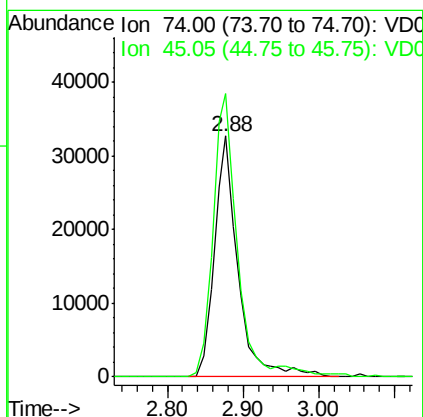
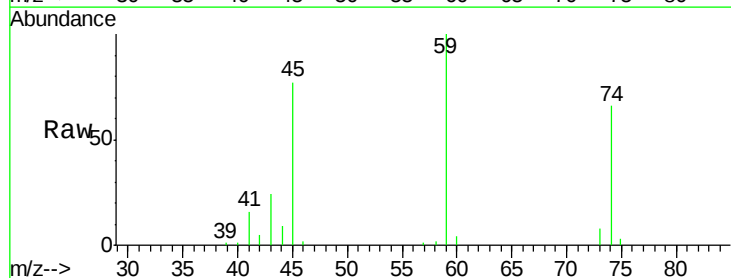
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 4/25/2019 11:04:12 AM



#8

Diethyl Ether
 Concen: 45.269 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. -0.00 min
 Lab File: VD062013.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.6	56.9	170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.117 ug/l

RT: 3.15 min Scan# 176

Delta R.T. -0.01 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Instrument :

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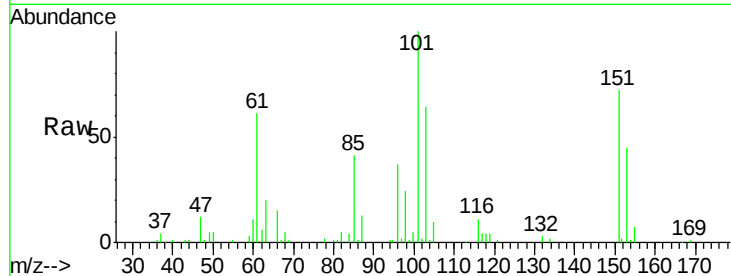
ClientSampleId :

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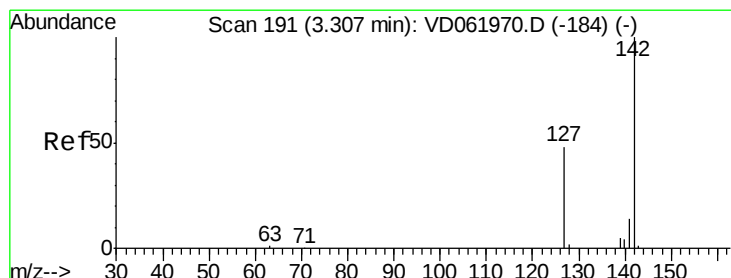
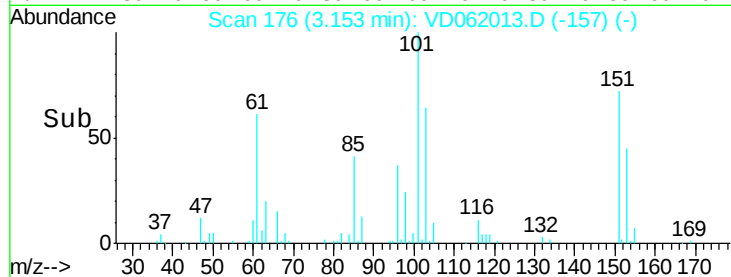
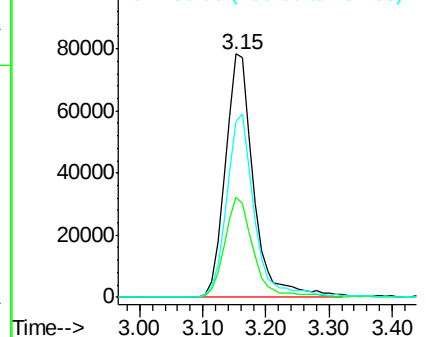
Tot Ion:	101	Resp:	243863
Ion Ratio	Lower	Upper	
101	100		
85	41.0	32.4	48.6
151	72.3	59.4	89.0

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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: 45.425 ug/l

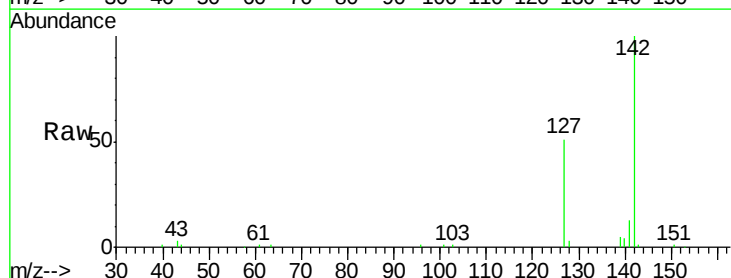
RT: 3.31 min Scan# 192

Delta R.T. -0.01 min

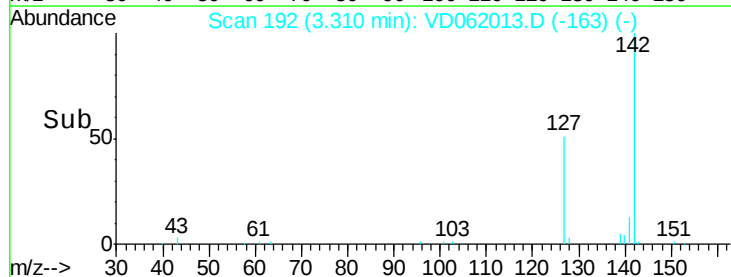
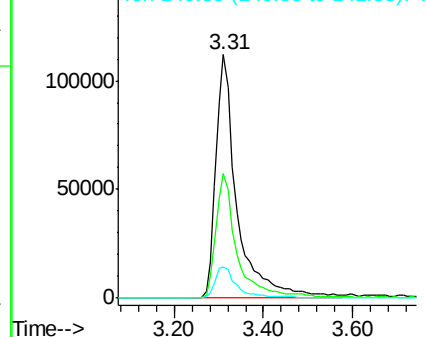
Lab File: VD062013.D

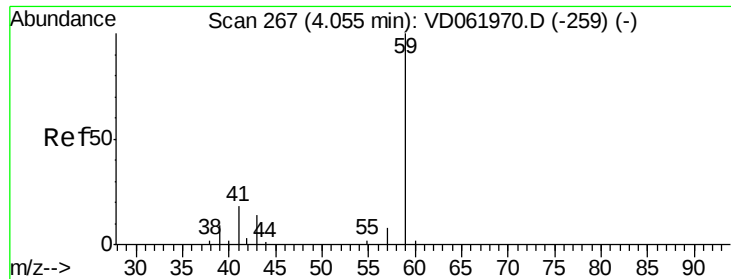
Acq: 25 Apr 2019 00:13

Tgt Ion:	142	Resp:	369476
Ion Ratio	Lower	Upper	
142	100		
127	51.2	38.8	58.2
141	12.9	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





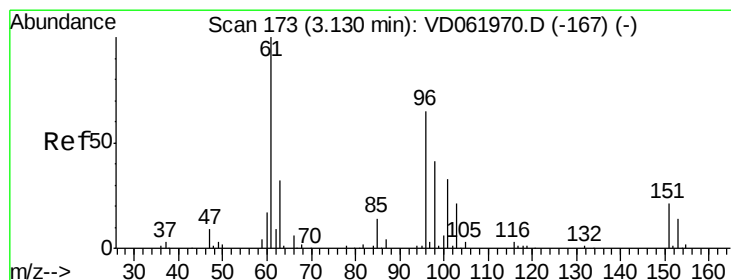
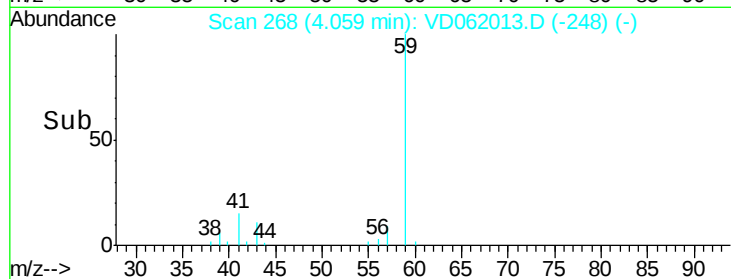
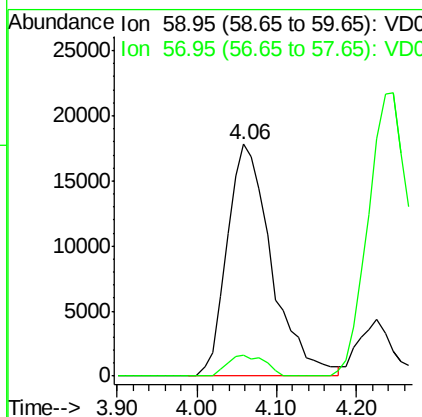
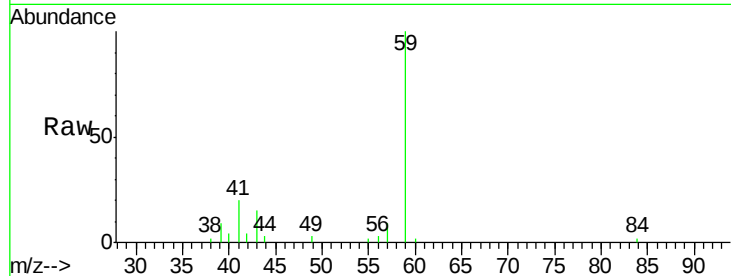
#11
Tert butyl alcohol
Concen: 277.570 ug/l
RT: 4.06 min Scan# 268
Delta R.T. -0.00 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 69247
Ion Ratio Lower Upper
59 100
57 9.0 6.9 10.3

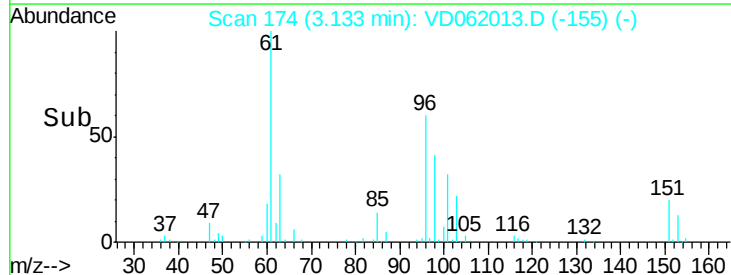
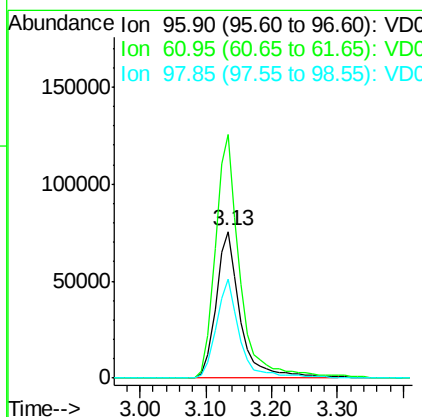
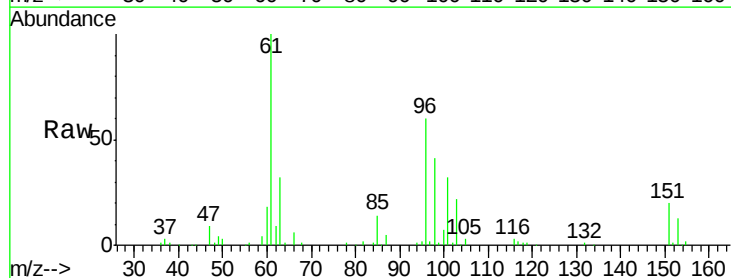
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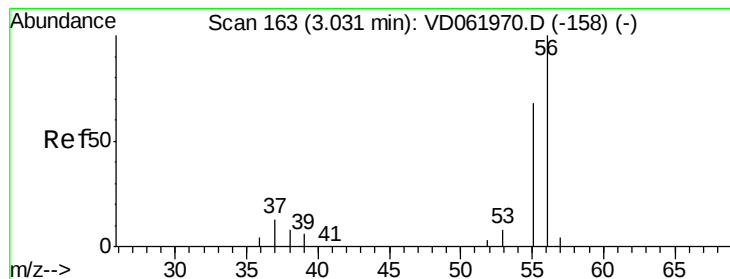
MMDadoda
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#12
1,1-Dichloroethene
Concen: 41.731 ug/l
RT: 3.13 min Scan# 174
Delta R.T. -0.01 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Tgt Ion: 96 Resp: 191904
Ion Ratio Lower Upper
96 100
61 166.2 129.8 194.8
98 67.9 51.2 76.8





#13

Acrolein

Concen: 252.601 ug/l

RT: 3.03 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 65385

Ion Ratio Lower Upper

56 100

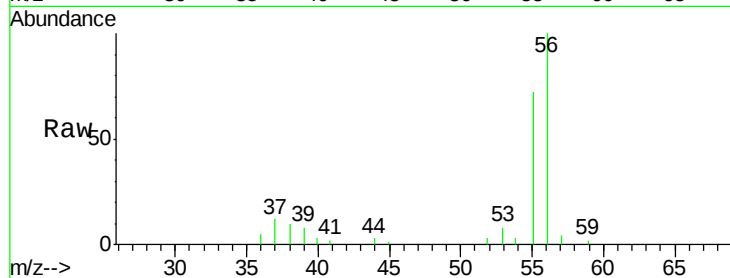
55 71.6 51.4 77.2

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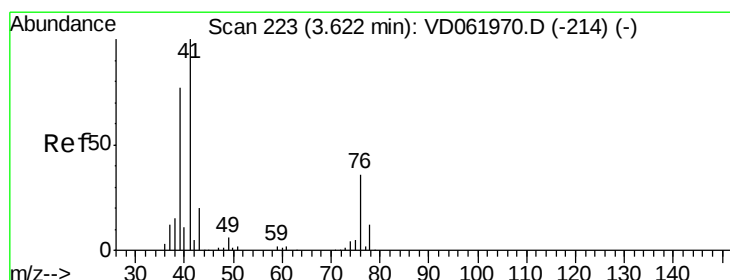
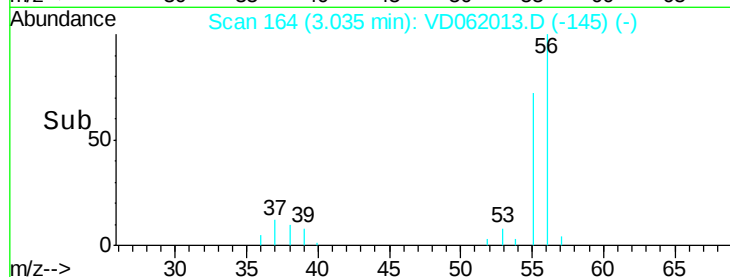
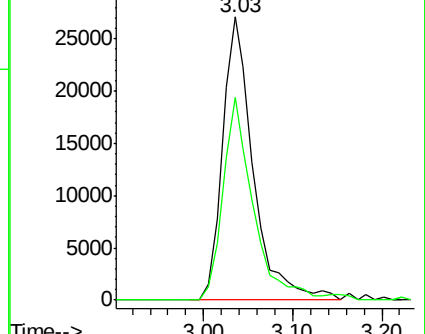
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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 43.932 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.01 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

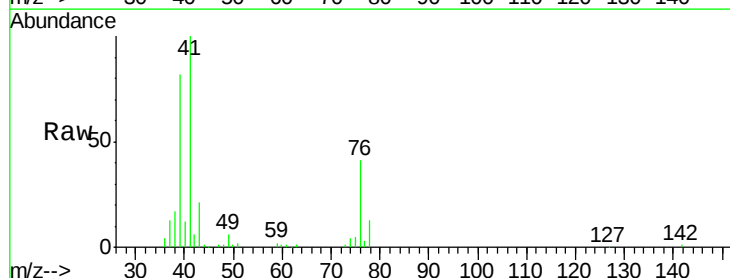
Tgt Ion: 41 Resp: 275862

Ion Ratio Lower Upper

41 100

39 82.4 60.5 90.7

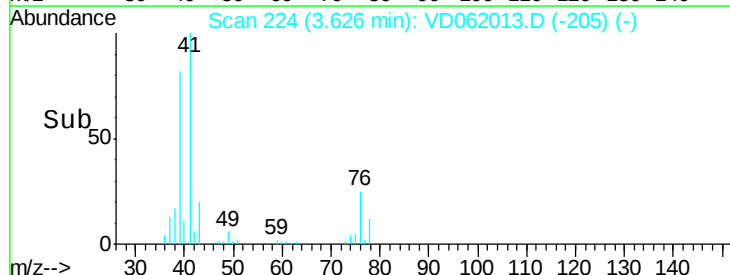
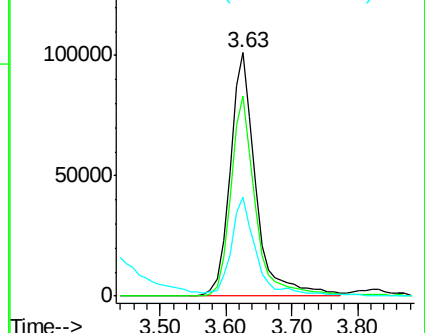
76 40.7 31.8 47.8

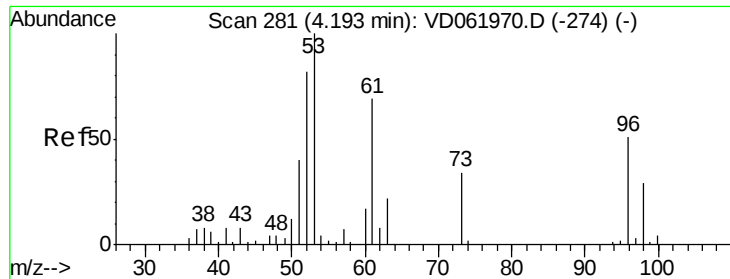


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 249.451 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Instrument :

MSVOA_D

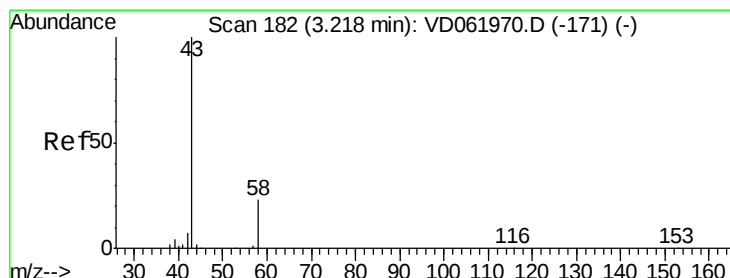
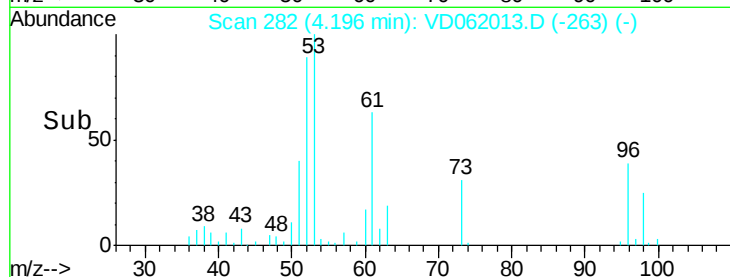
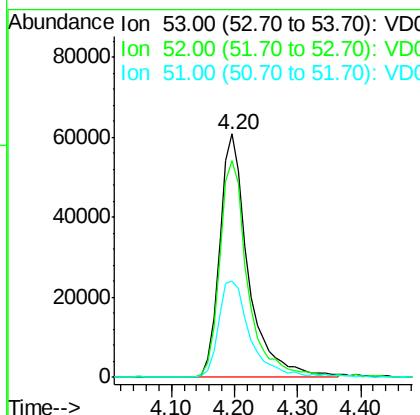
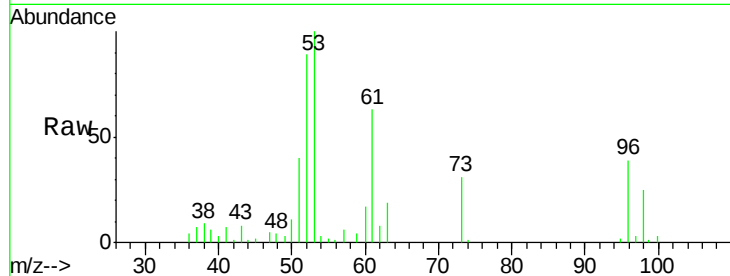
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	192704
Ion	Ratio	Lower	Upper
53	100		
52	89.1	65.0	97.4
51	39.7	32.6	48.8

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#16

Acetone

Concen: 203.407 ug/l

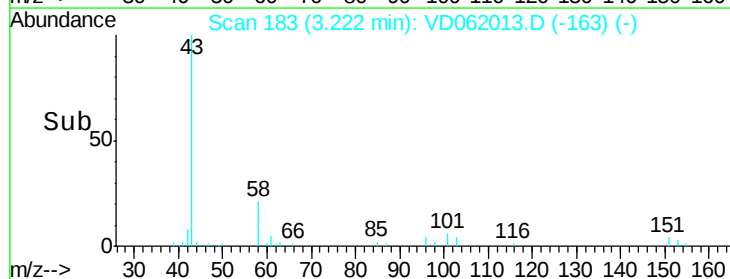
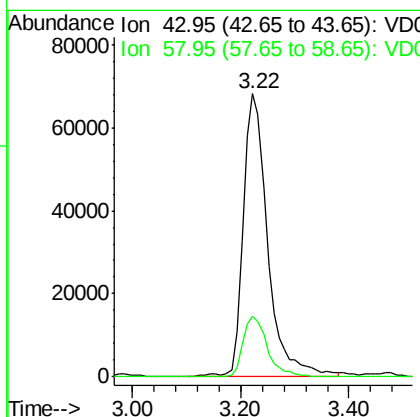
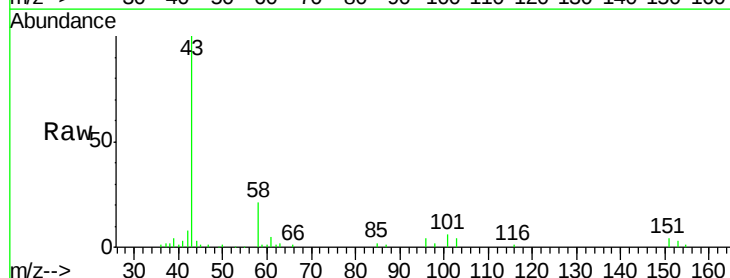
RT: 3.22 min Scan# 183

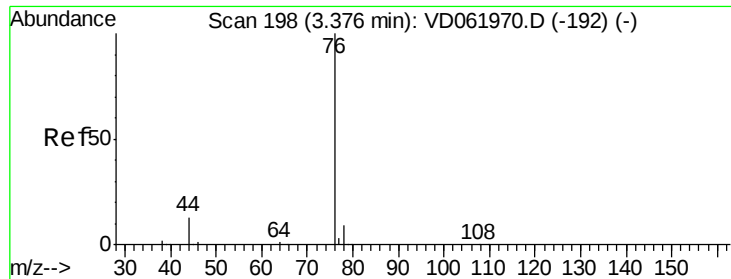
Delta R.T. -0.00 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Tgt Ion:	43	Resp:	214448
Ion	Ratio	Lower	Upper
43	100		
58	21.5	19.9	29.9





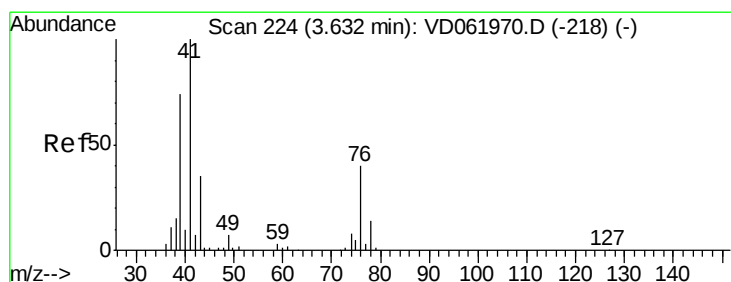
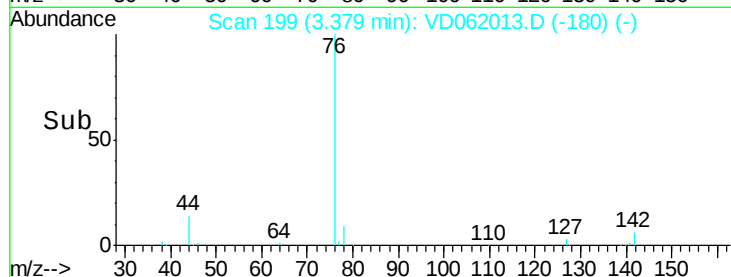
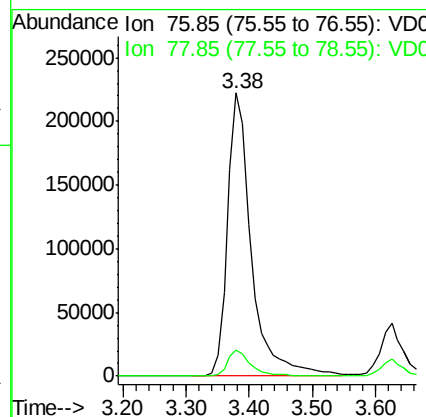
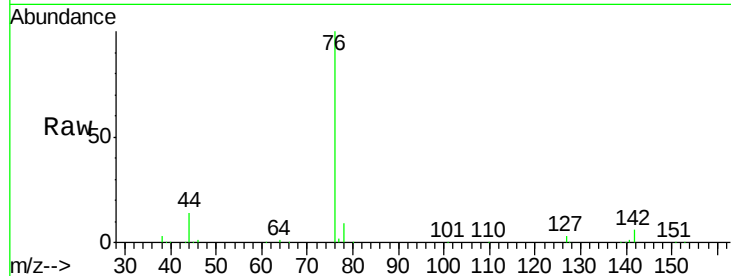
#17
Carbon Disulfide
Concen: 43.970 ug/l
RT: 3.38 min Scan# 199
Delta R.T. -0.01 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 584298
Ion Ratio Lower Upper
76 100
78 9.3 7.2 10.8

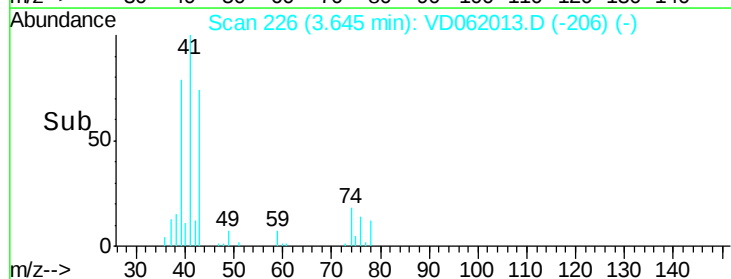
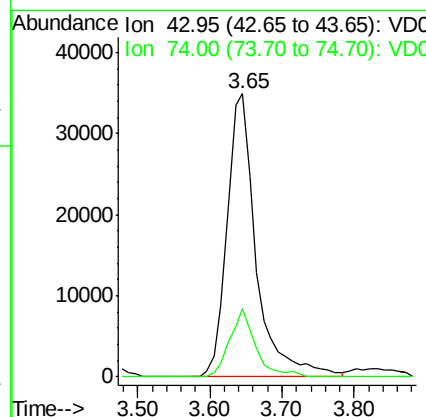
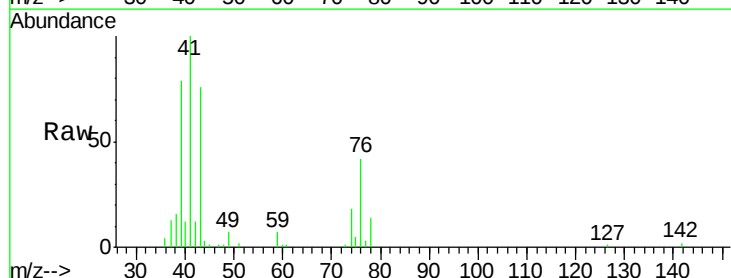
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#18
Methyl Acetate
Concen: 51.036 ug/l
RT: 3.65 min Scan# 226
Delta R.T. -0.00 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Tgt Ion: 43 Resp: 97496
Ion Ratio Lower Upper
43 100
74 24.0 18.0 27.0





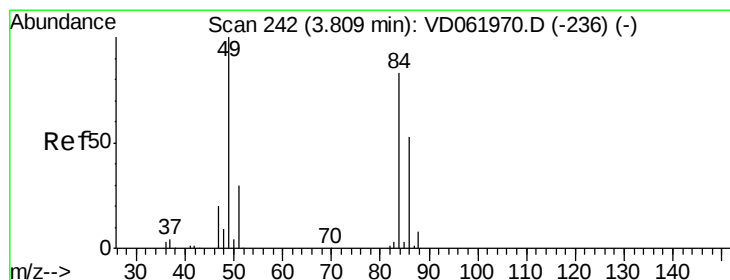
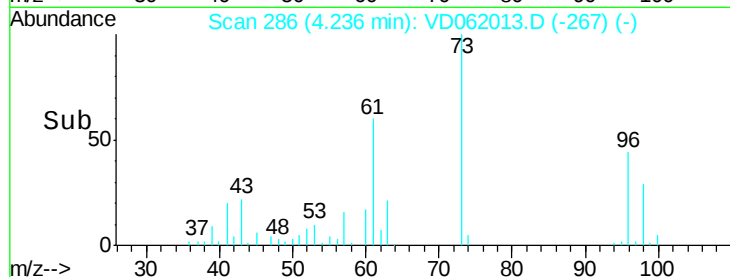
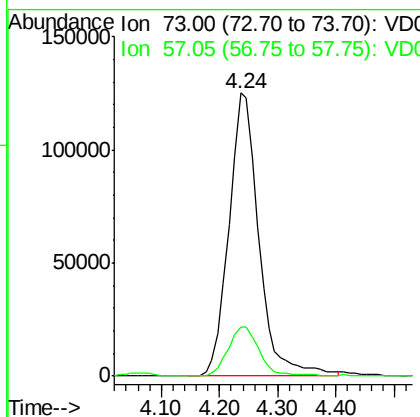
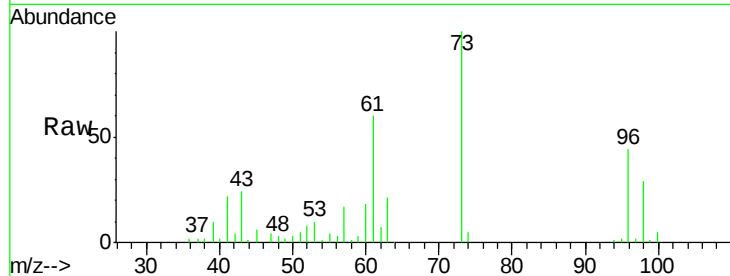
#19
Methyl tert-butyl Ether
Concen: 49.225 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.01 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

Tot Ion: 73 Resp: 449129
Ion Ratio Lower Upper
73 100
57 17.3 16.3 24.5

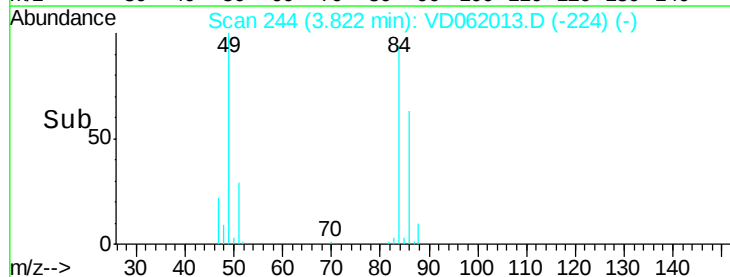
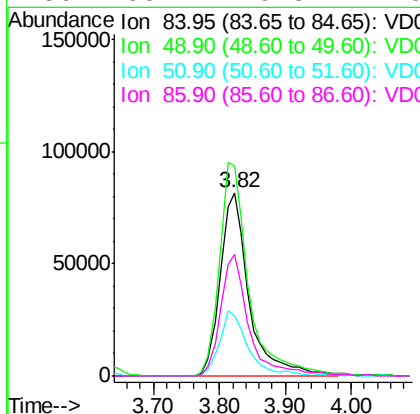
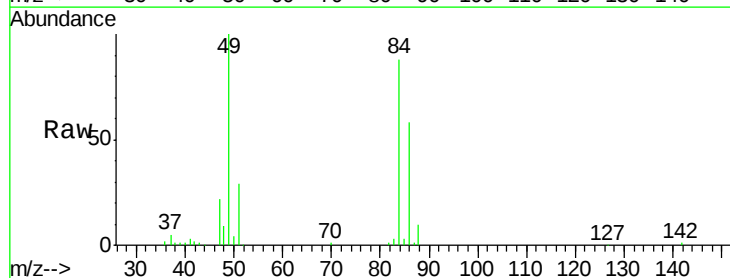
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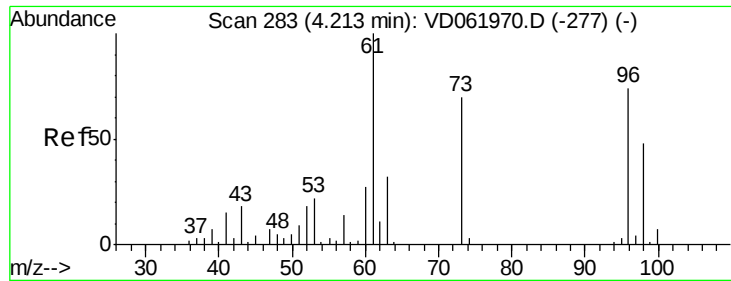
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#20
Methylene Chloride
Concen: 48.553 ug/l
RT: 3.82 min Scan# 244
Delta R.T. -0.00 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Tgt Ion: 84 Resp: 249675
Ion Ratio Lower Upper
84 100
49 114.2 94.0 141.0
51 32.6 29.0 43.4
86 66.4 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 42.054 ug/l

RT: 4.23 min Scan# 285

Delta R.T. -0.00 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 221851

Ion Ratio Lower Upper

96 100

61 134.7 104.4 156.6

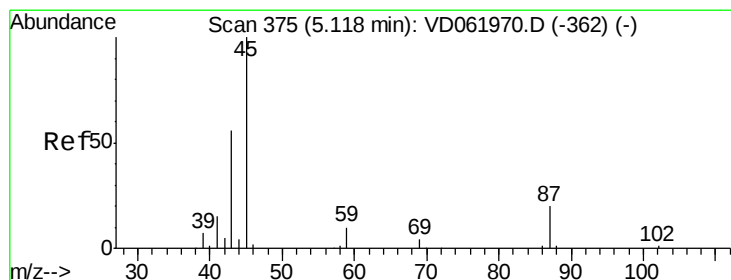
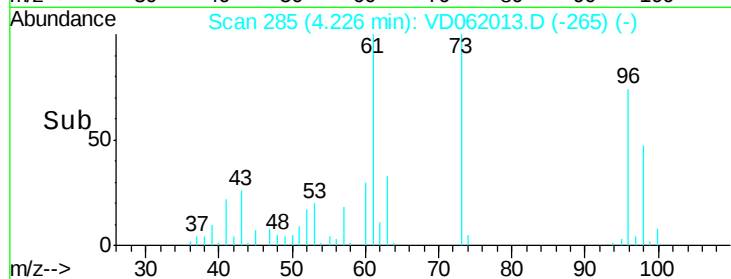
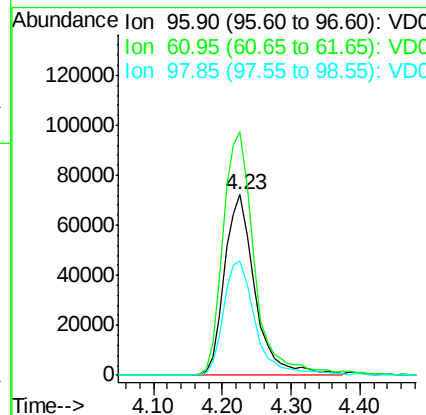
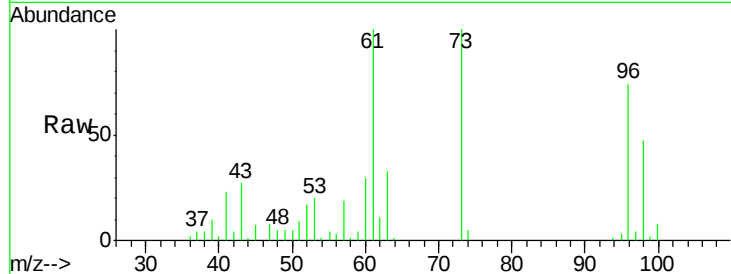
98 63.4 51.8 77.8

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#22

Diisopropyl ether

Concen: 47.268 ug/l

RT: 5.12 min Scan# 376

Delta R.T. -0.00 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Tgt Ion: 45 Resp: 692974

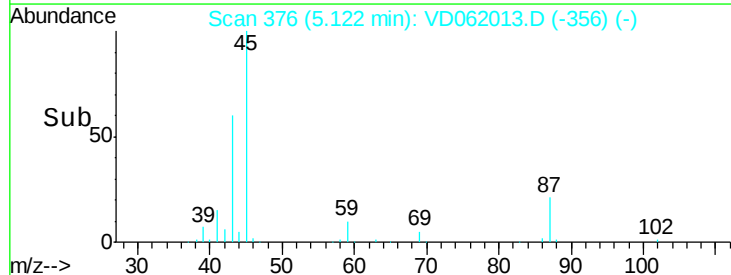
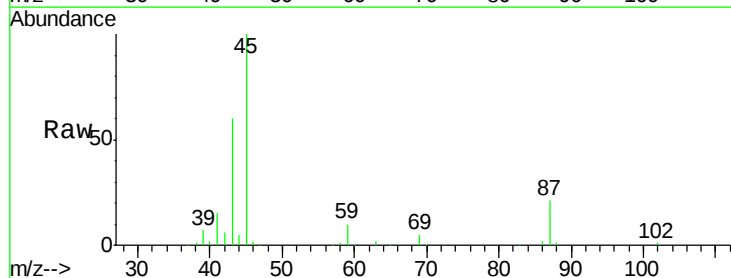
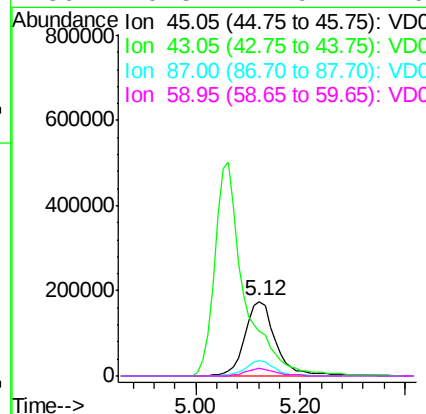
Ion Ratio Lower Upper

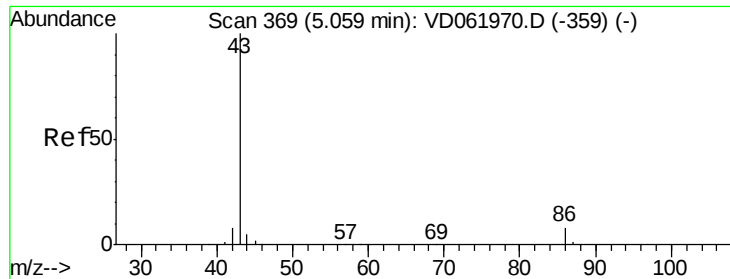
45 100

43 60.1 46.2 69.2

87 21.2 15.9 23.9

59 9.5 7.9 11.9





#23

Vinyl Acetate

Concen: 254.407 ug/l

RT: 5.06 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1942311

Ion Ratio Lower Upper

43 100

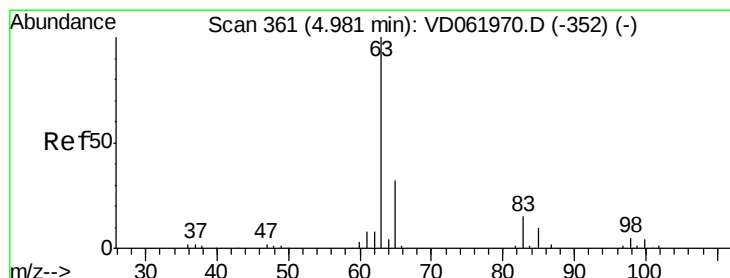
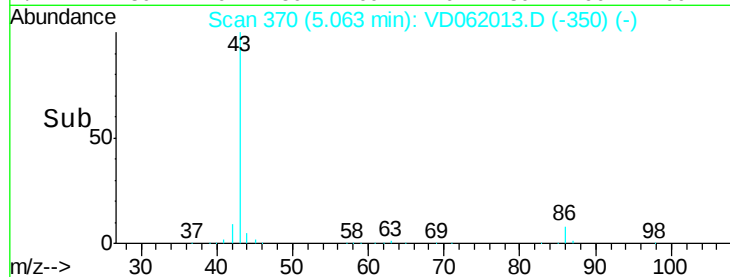
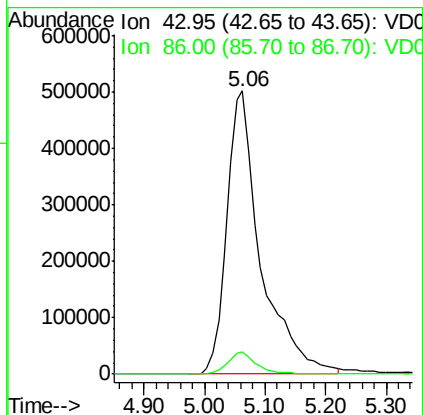
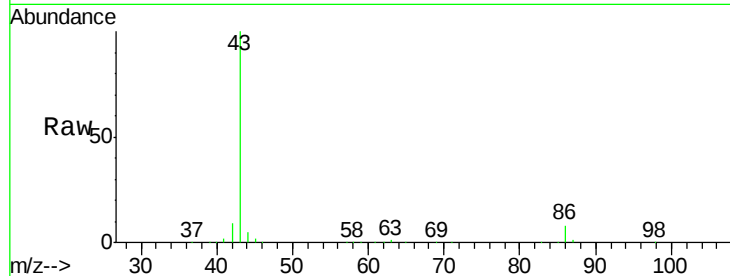
86 7.9 6.4 9.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 44.289 ug/l

RT: 4.99 min Scan# 363

Delta R.T. -0.00 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

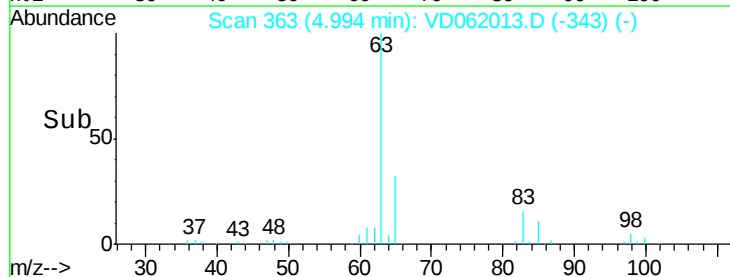
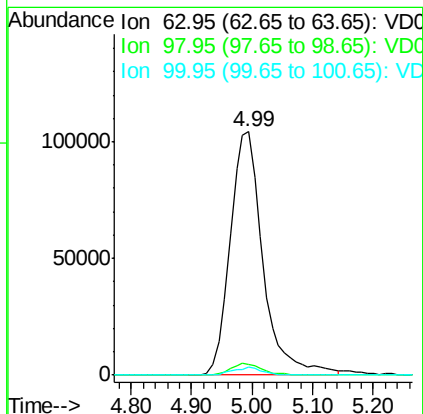
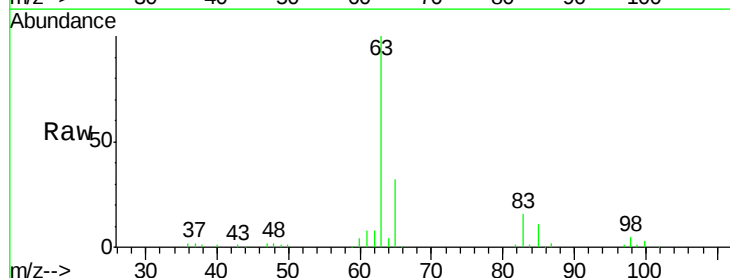
Tgt Ion: 63 Resp: 392444

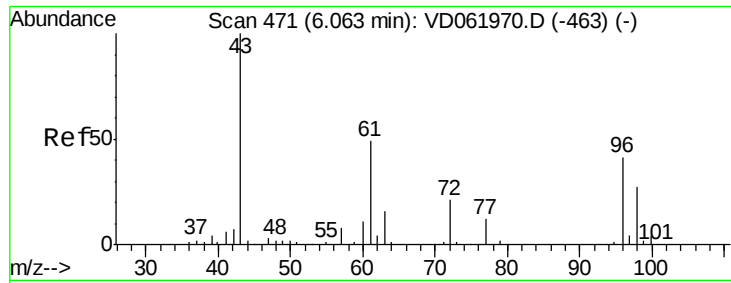
Ion Ratio Lower Upper

63 100

98 4.6 2.8 8.4

100 3.3 1.8 5.5





#25

2-Butanone

Concen: 259.794 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.01 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 332078

Ion Ratio Lower Upper

43 100

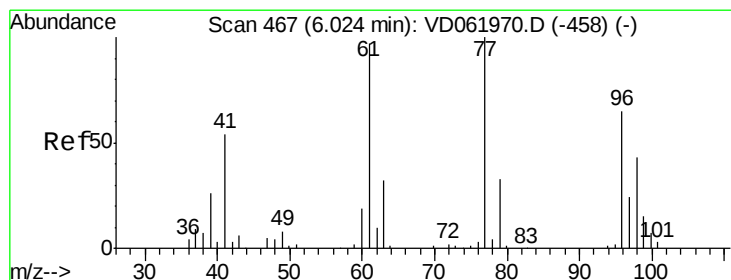
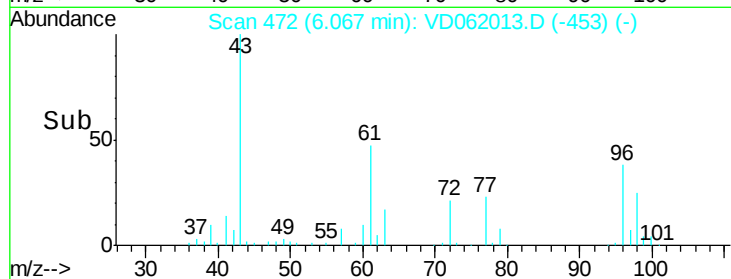
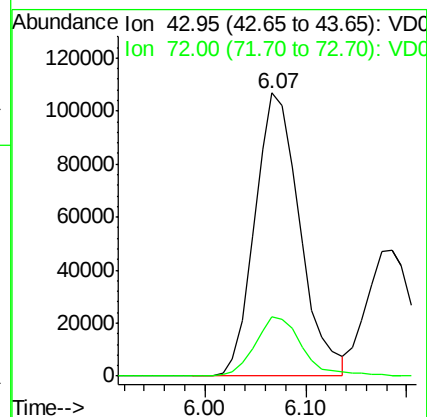
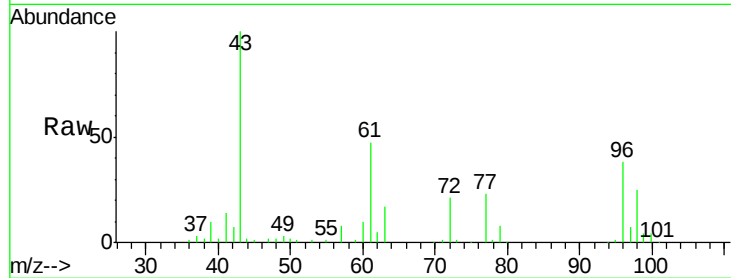
72 20.9 16.2 24.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 44.437 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.00 min

Lab File: VD062013.D

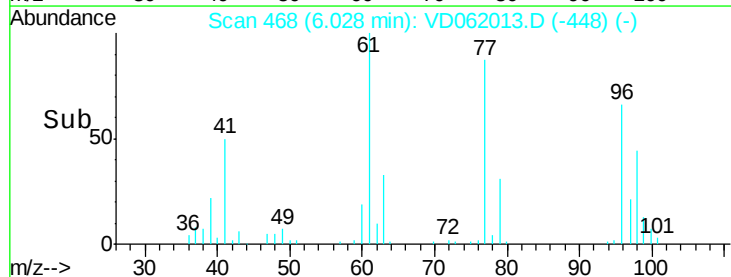
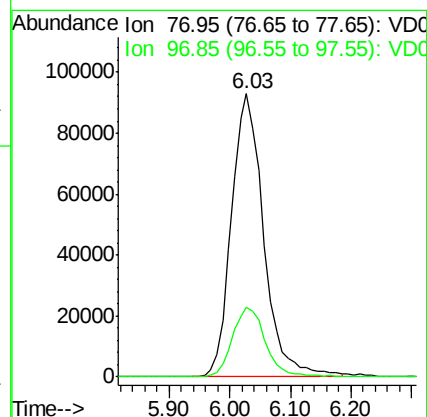
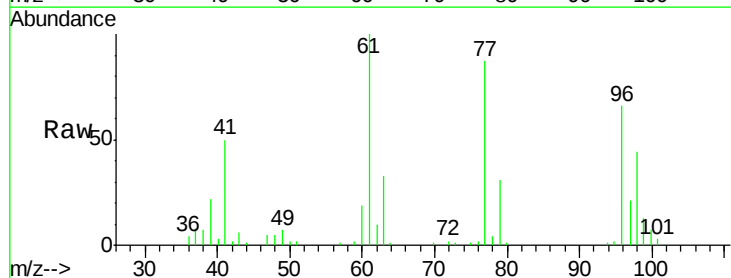
Acq: 25 Apr 2019 00:13

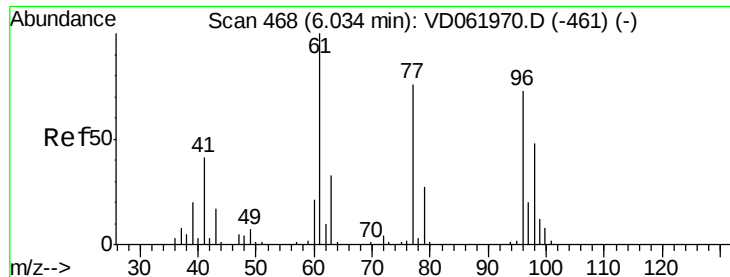
Tgt Ion: 77 Resp: 343508

Ion Ratio Lower Upper

77 100

97 24.6 11.9 35.9





#27

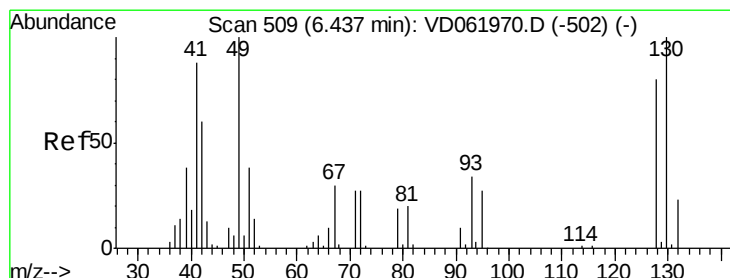
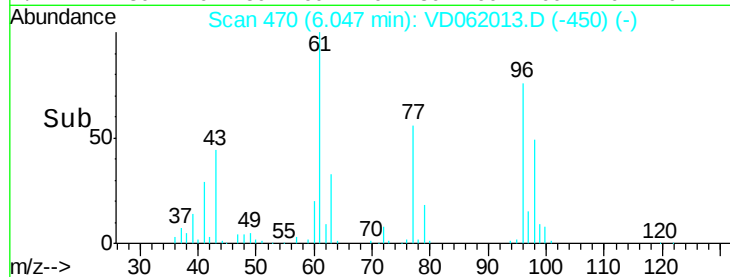
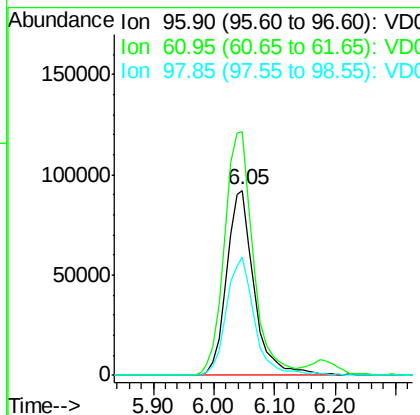
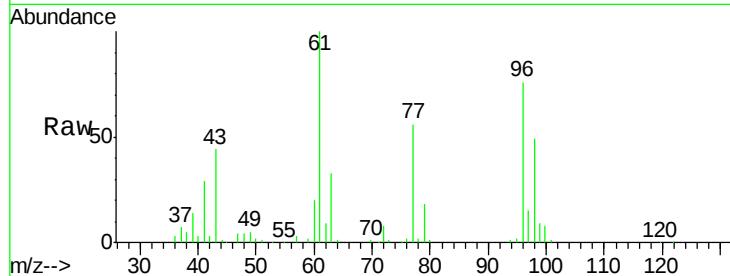
cis-1,2-Dichloroethene
Concen: 48.273 ug/l
RT: 6.05 min Scan# 470
Delta R.T. -0.00 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	289700		
61	131.6	0.0	279.8	
98	64.1	0.0	136.0	

Manual Integrations
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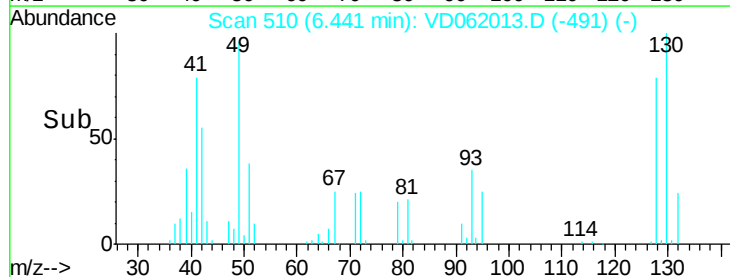
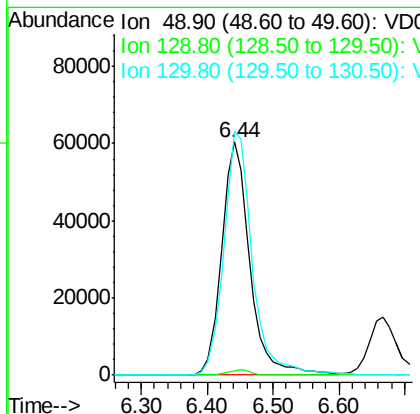
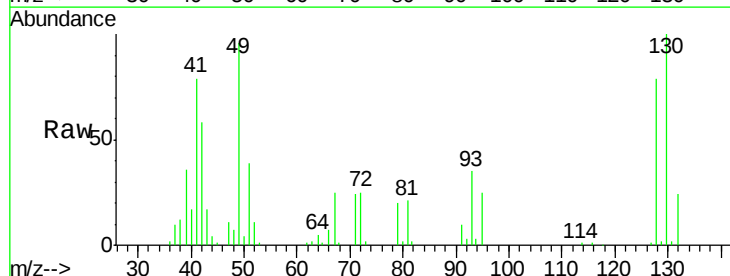
MMDadoda
4/25/2019 11:04:12 AM

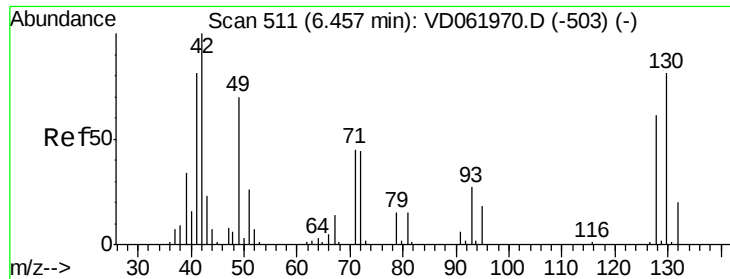


#28

Bromochloromethane
Concen: 52.982 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	179632		
129	2.0	0.0	6.6	
130	104.4	86.7	130.1	





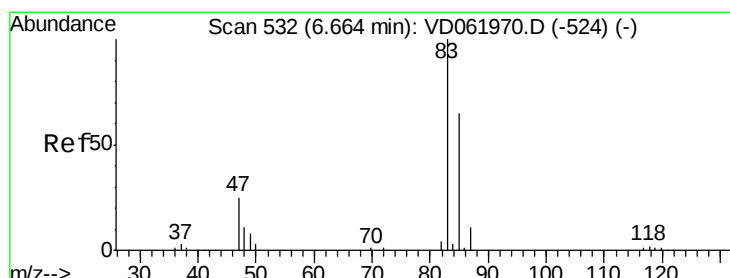
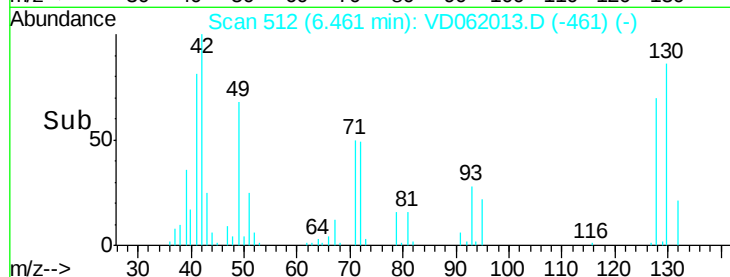
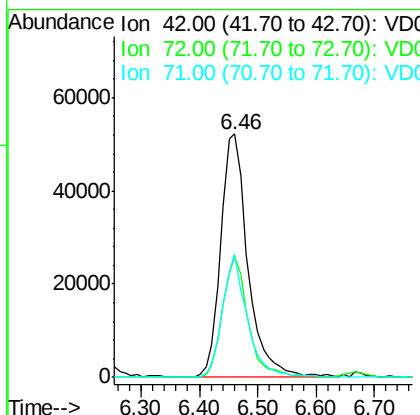
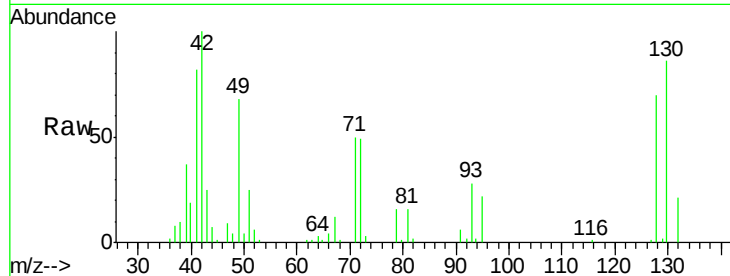
#29
Tetrahydrofuran
Concen: 268.674 ug/l
RT: 6.46 min Scan# 512
Delta R.T. -0.00 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.6	37.8	56.6
71	46.0	36.7	55.1

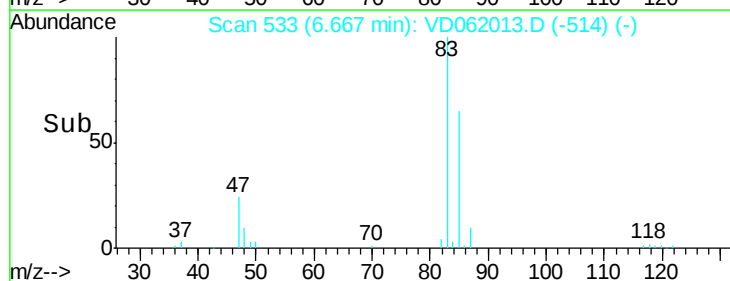
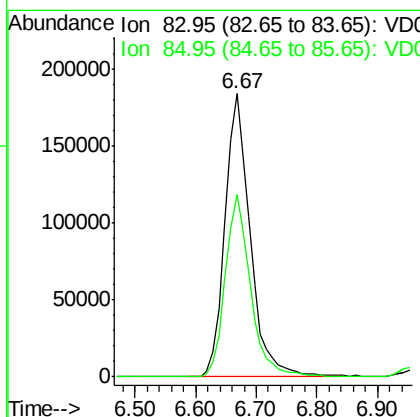
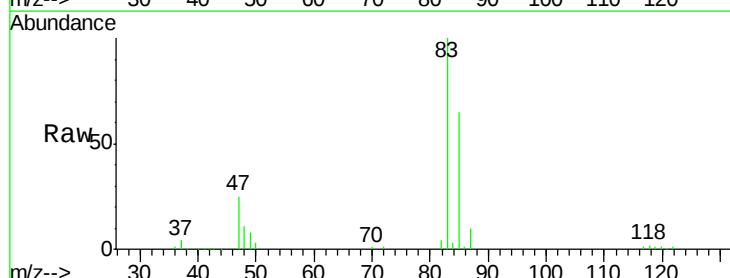
Manual Integrations
APPROVED

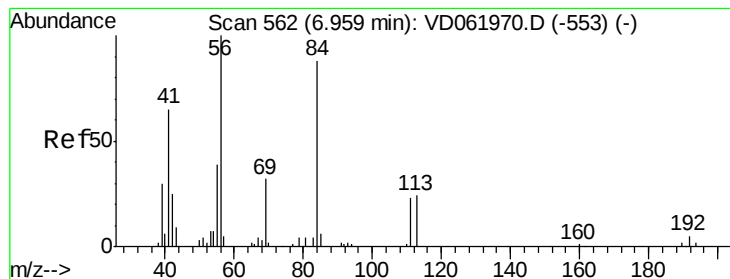
MMDadoda
4/25/2019 11:04:12 AM



#30
Chloroform
Concen: 52.948 ug/l
RT: 6.67 min Scan# 533
Delta R.T. -0.01 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.7	77.5





#31

Cvclohexane

Concen: 49.104 ug/l

RT: 6.96 min Scan# 563

Delta R.T. -0.00 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Instrument :

MSVOA_D

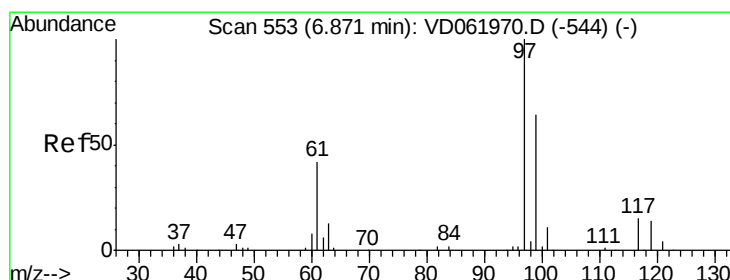
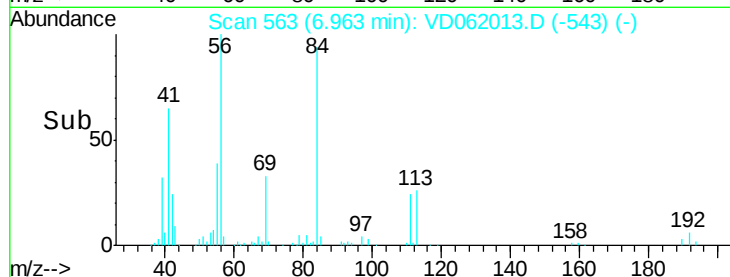
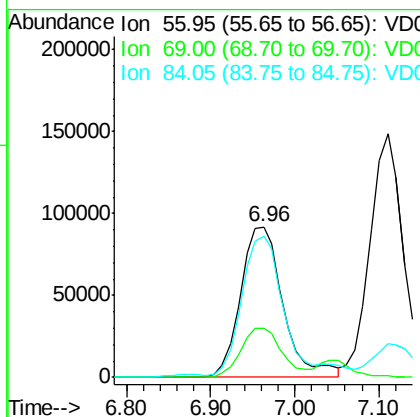
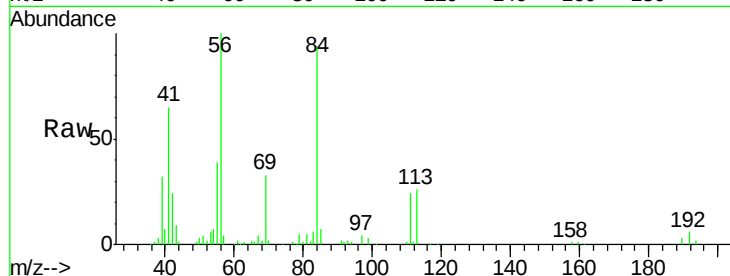
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	322959
Ion	Ratio	Lower	Upper
56	100		
69	32.6	25.8	38.6
84	93.6	72.2	108.4

Manual Integrations
APPROVED

MMDadoda
4/25/2019 11:04:12 AM



#32

1,1,1-Trichloroethane

Concen: 49.055 ug/l

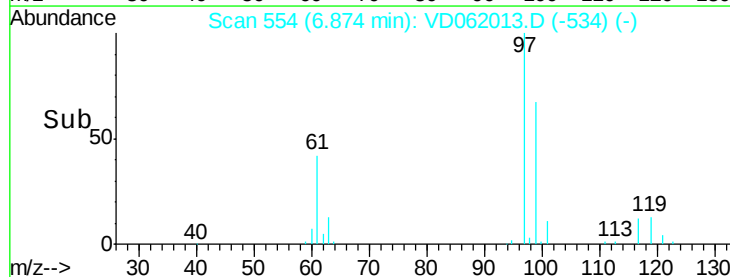
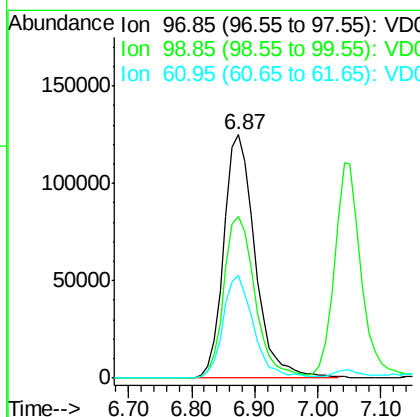
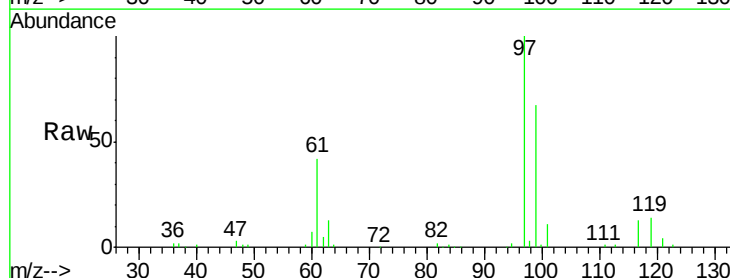
RT: 6.87 min Scan# 554

Delta R.T. -0.00 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Tgt Ion:	97	Resp:	429567
Ion	Ratio	Lower	Upper
97	100		
99	66.5	52.2	78.2
61	42.4	32.4	48.6





#33

1,2-Dichloroethane-d4

Concen: 57.470 ug/l

RT: 7.45 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 253758

Ion Ratio Lower Upper

65 100

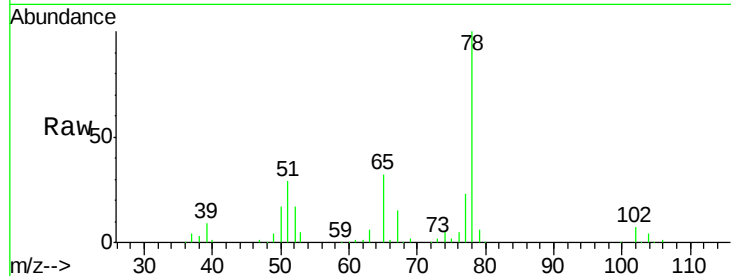
67 47.4 0.0 98.0

Manual Integrations

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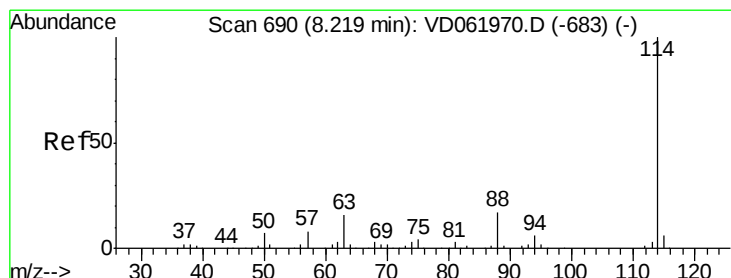
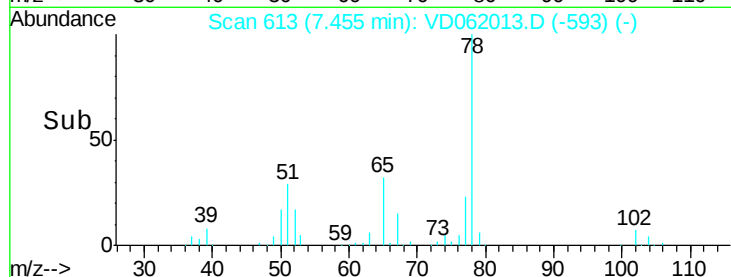
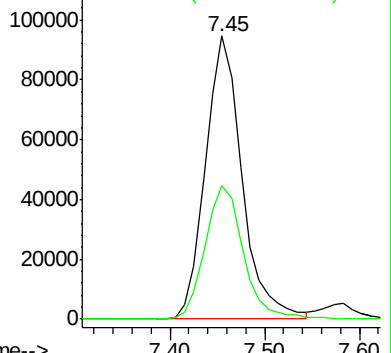
MMDadoda

4/25/2019 11:04:12 AM



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 691

Delta R.T. -0.00 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

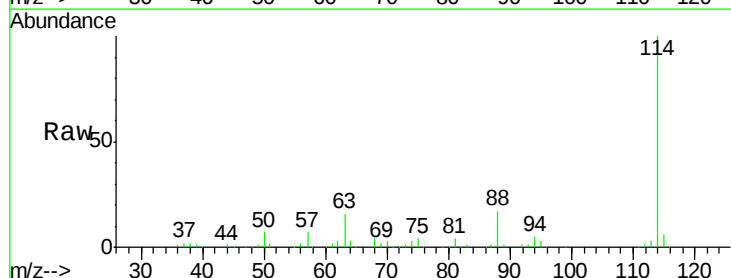
Tgt Ion: 114 Resp: 925348

Ion Ratio Lower Upper

114 100

63 16.4 0.0 32.4

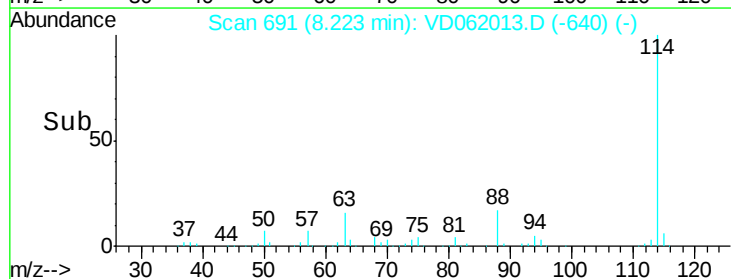
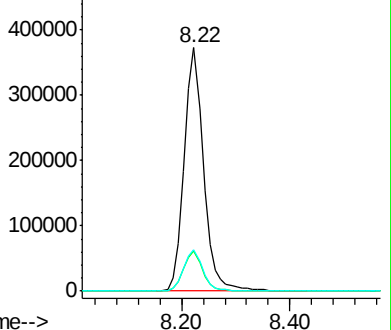
88 17.1 0.0 33.6

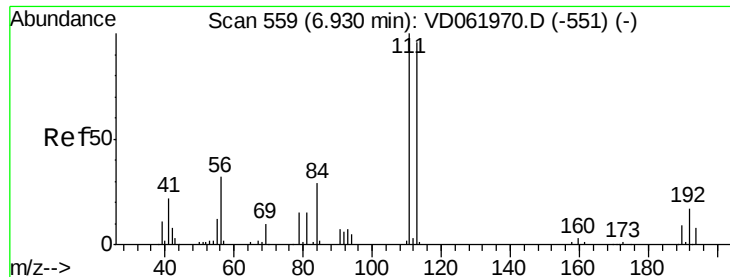


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





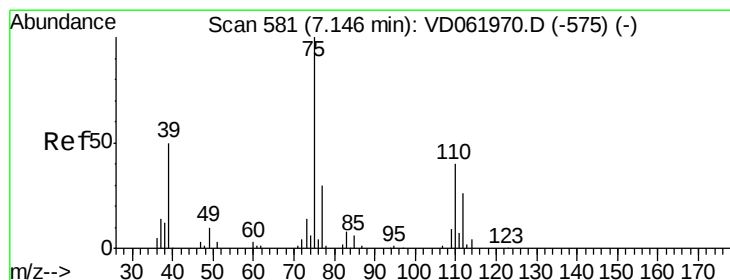
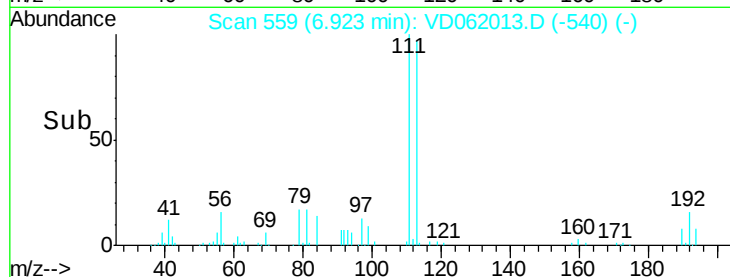
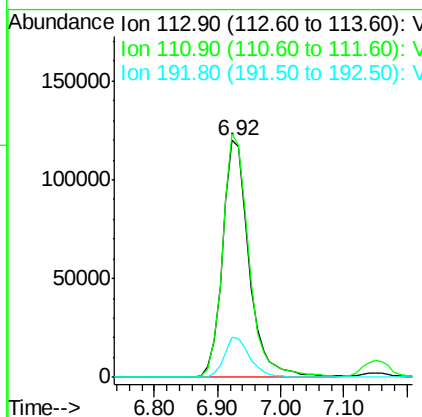
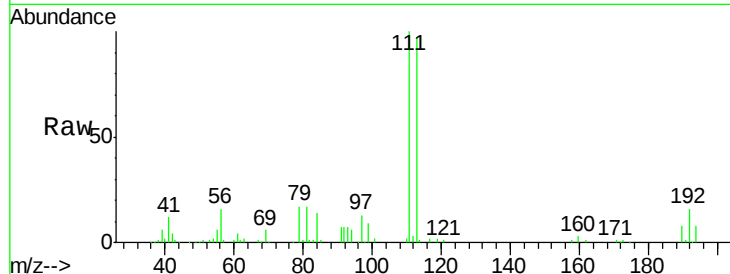
#35
Dibromofluoromethane
Concen: 54.759 ug/l
RT: 6.92 min Scan# 559
Delta R.T. -0.01 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.9	78.5	117.7	
192	16.7	13.0	19.4	

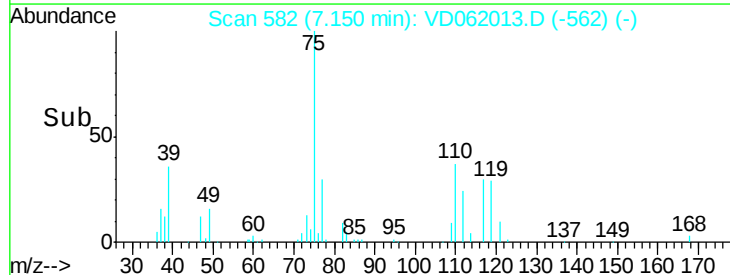
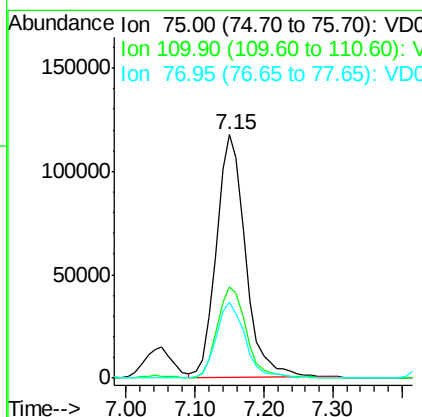
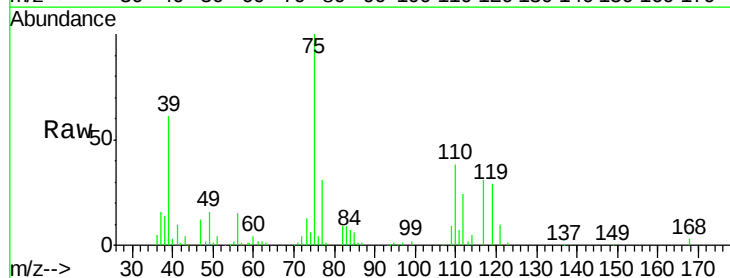
Manual Integrations
APPROVED

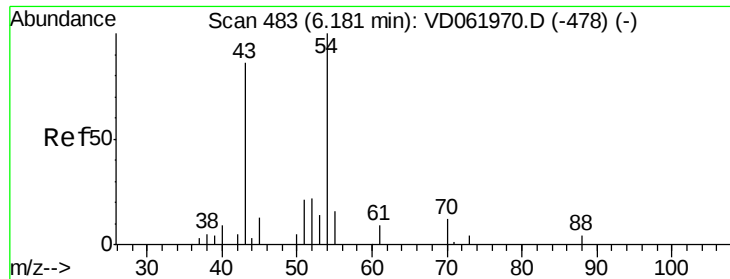
MMDadoda
4/25/2019 11:04:12 AM



#36
1,1-Dichloropropene
Concen: 47.657 ug/l
RT: 7.15 min Scan# 582
Delta R.T. -0.00 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.5	19.1	57.1	
77	31.3	25.6	38.4	





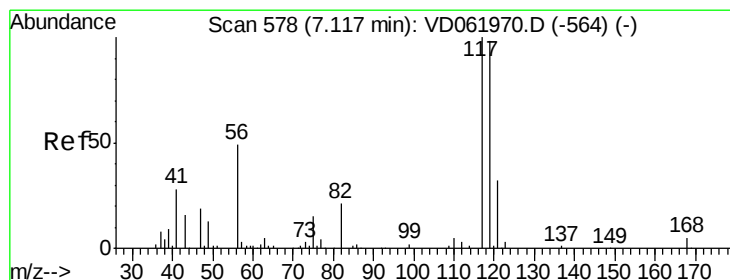
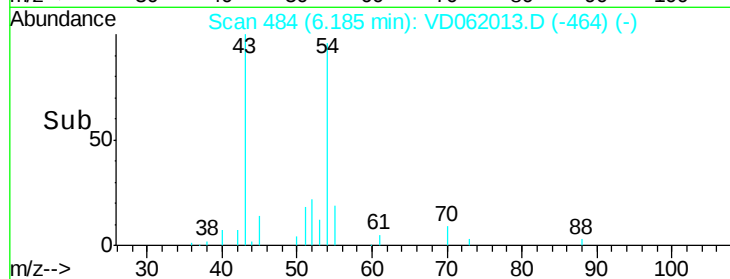
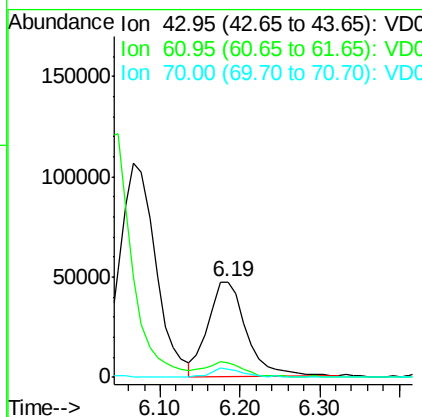
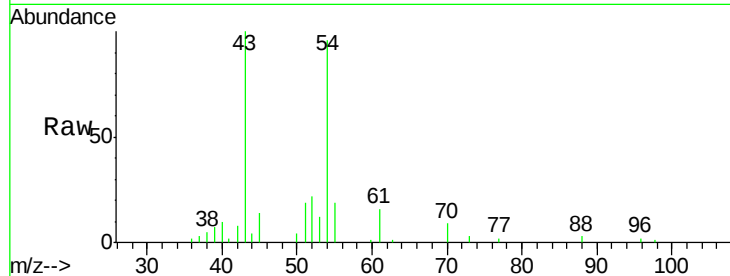
#37
Ethyl Acetate
Concen: 51.330 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.00 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	14.7	22.1
70	8.9	7.8	11.6

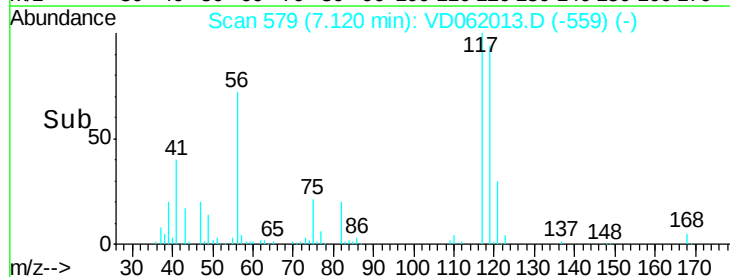
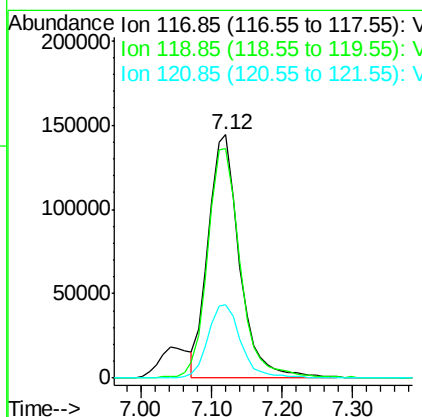
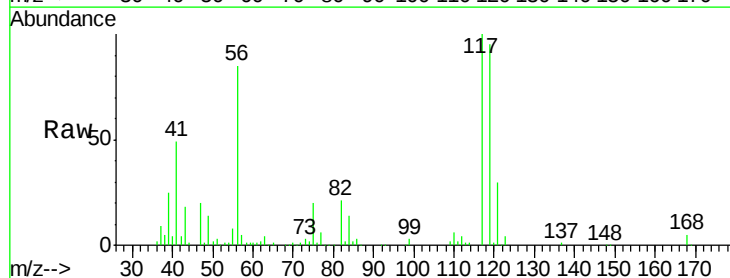
Manual Integrations
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4/25/2019 11:04:12 AM



#38
Carbon Tetrachloride
Concen: 48.744 ug/l m
RT: 7.12 min Scan# 579
Delta R.T. -0.00 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	75.8	113.8
121	30.3	25.9	38.9





#39

Methvlcvclohexane

Concen: 44.109 ug/l

RT: 8.86 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 313748

Ion Ratio Lower Upper

83 100

55 86.6 68.2 102.4

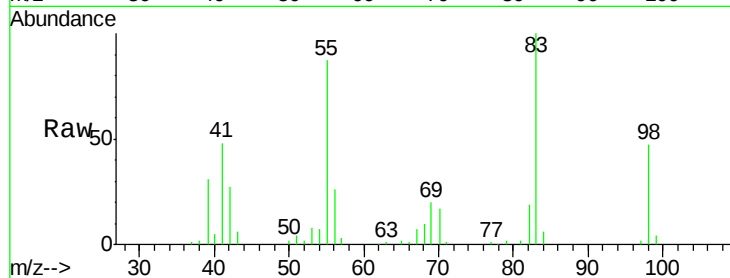
98 46.9 38.2 57.4

Manual Integrations

APPROVED

MMDadoda

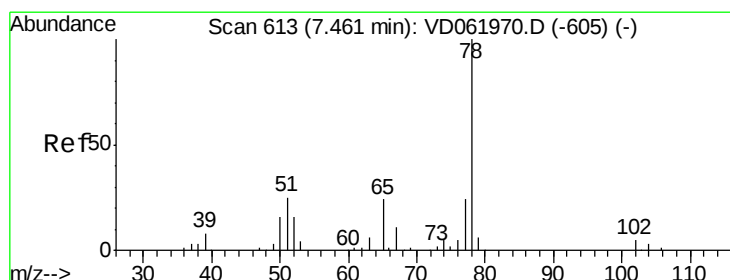
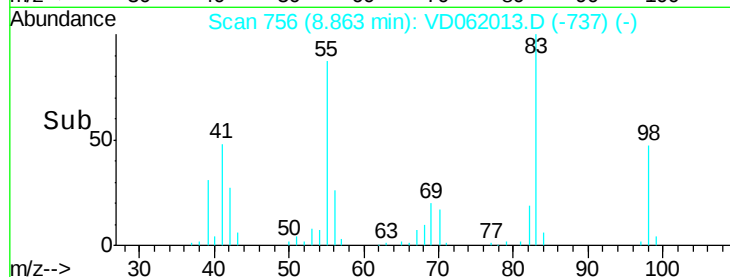
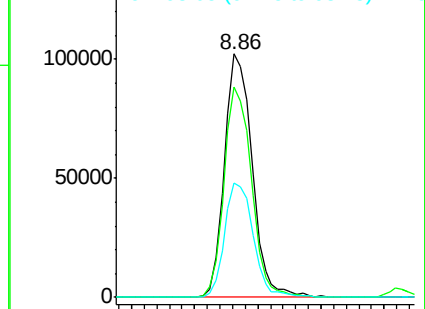
4/25/2019 11:04:12 AM



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 48.751 ug/l

RT: 7.45 min Scan# 613

Delta R.T. -0.01 min

Lab File: VD062013.D

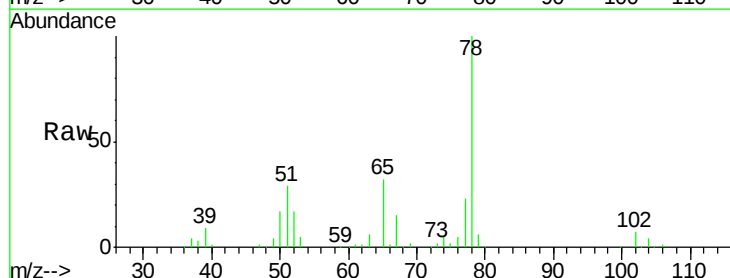
Acq: 25 Apr 2019 00:13

Tgt Ion: 78 Resp: 870117

Ion Ratio Lower Upper

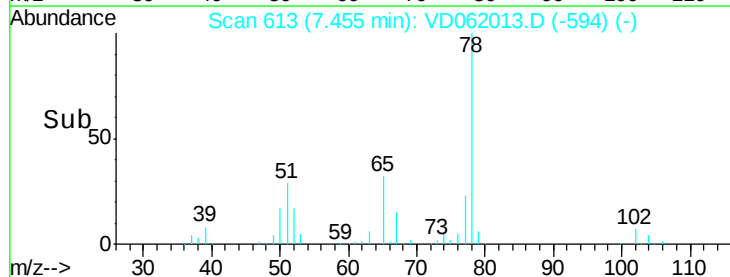
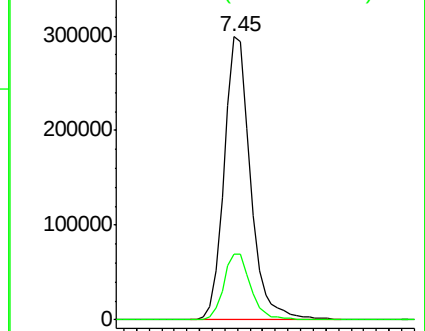
78 100

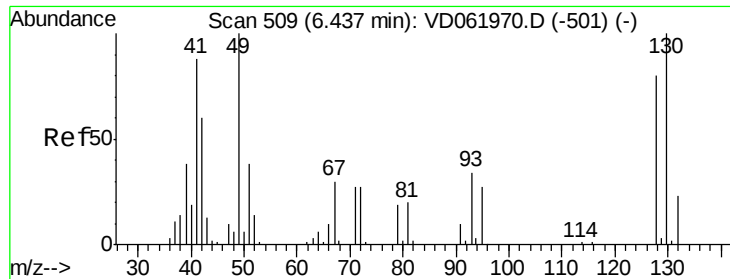
77 23.4 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





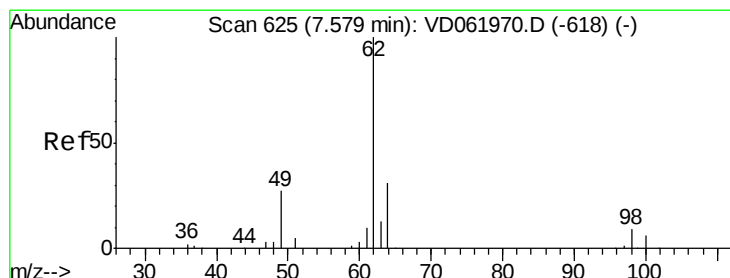
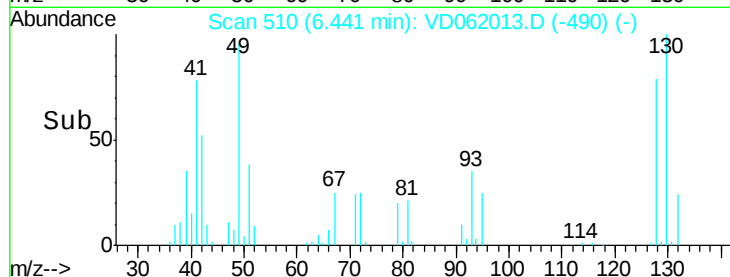
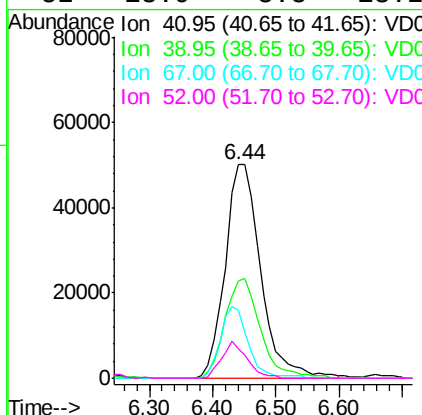
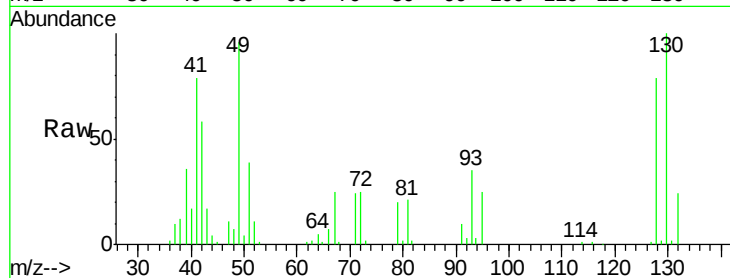
#41
Methacrylonitrile
Concen: 54.518 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
41	100	195425		
39	45.7		34.1	51.1
67	31.7		23.8	35.6
52	13.9		8.8	13.2#

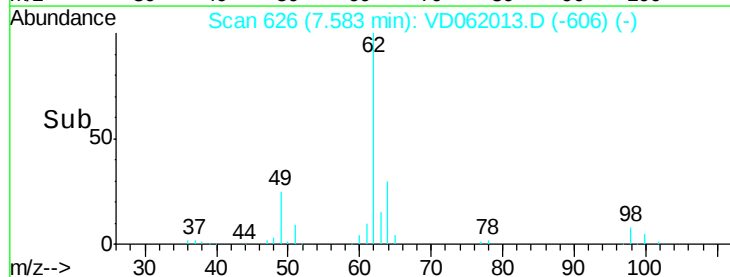
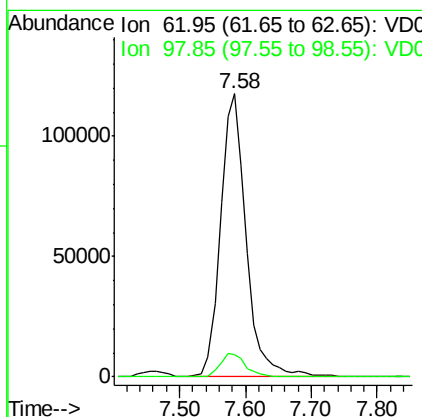
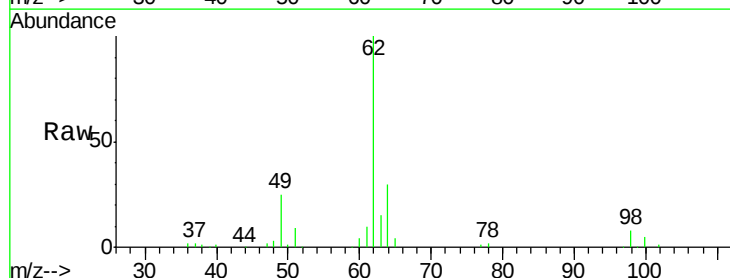
Manual Integrations
APPROVED

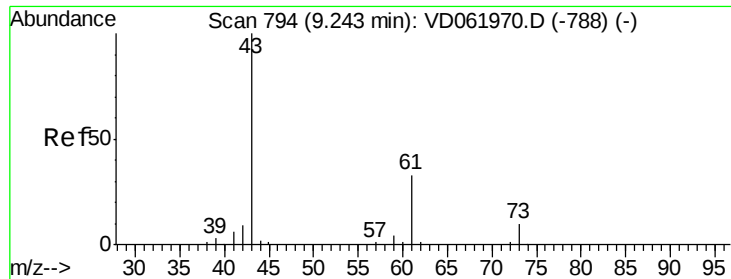
MMDadoda
4/25/2019 11:04:12 AM



#42
1,2-Dichloroethane
Concen: 52.669 ug/l
RT: 7.58 min Scan# 626
Delta R.T. -0.00 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	319177		
98	7.6		0.0	17.8





#43

Isopropyl Acetate

Concen: 51.593 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.01 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Instrument :

MSVOA_D

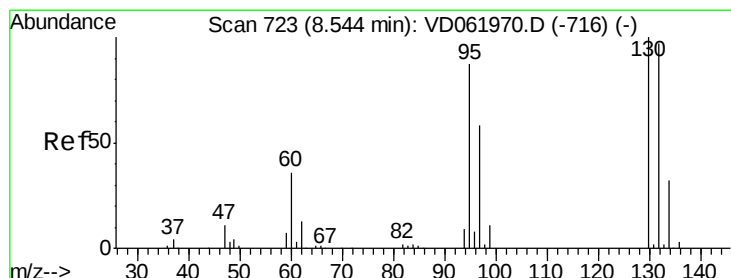
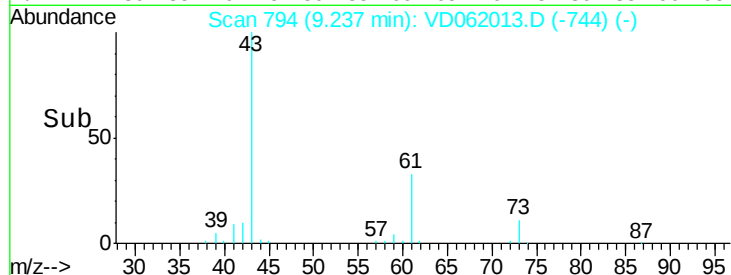
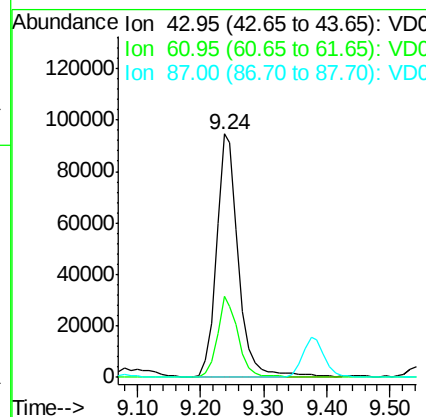
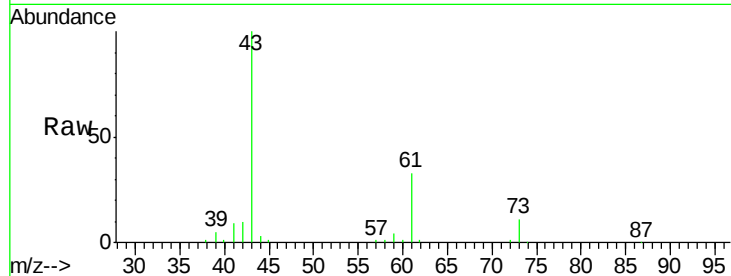
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	231596
Ion	Ratio	Lower	Upper
43	100		
61	33.1	25.1	37.7
87	0.3	0.0	0.0

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#44

Trichloroethene

Concen: 43.622 ug/l

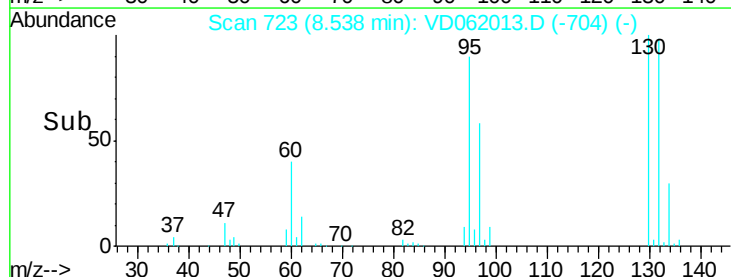
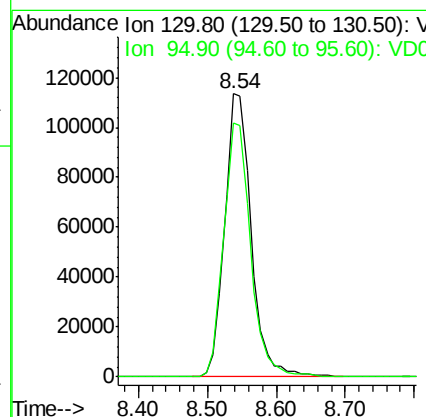
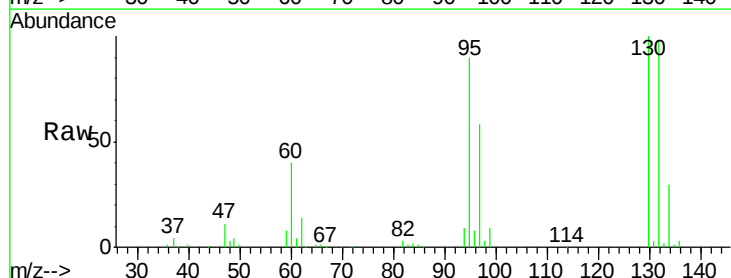
RT: 8.54 min Scan# 723

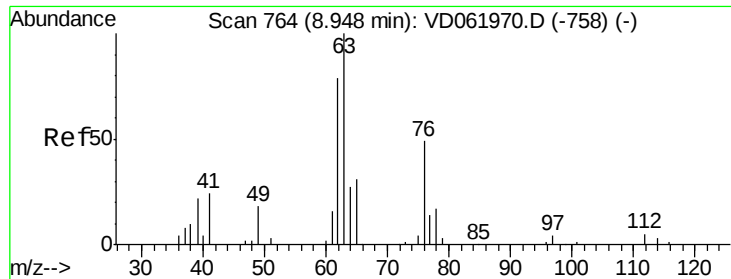
Delta R.T. -0.01 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Tgt Ion:	130	Resp:	301841
Ion	Ratio	Lower	Upper
130	100		
95	89.7	0.0	174.0





#45

1,2-Dichloropropane

Concen: 45.806 ug/l

RT: 8.94 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 207406

Ion Ratio Lower Upper

63 100

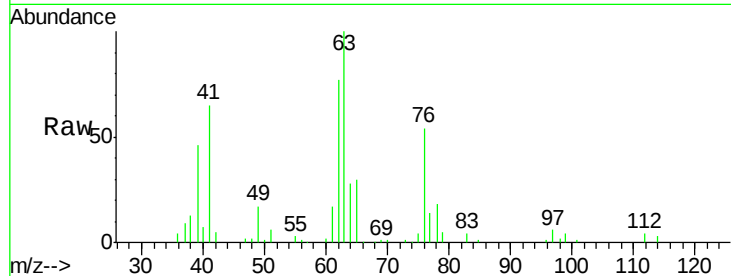
65 29.6 23.8 35.6

Manual Integrations

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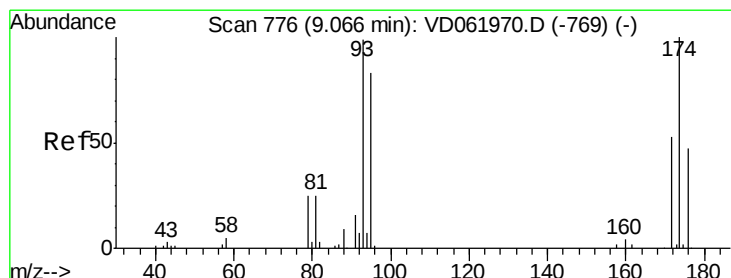
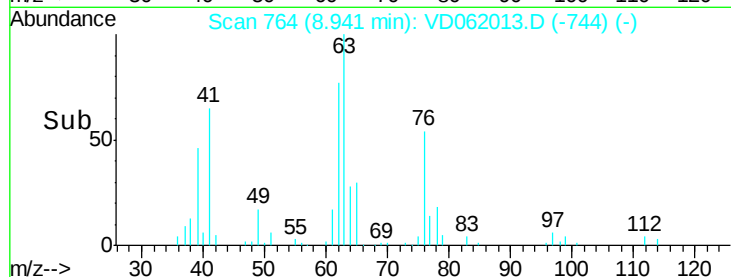
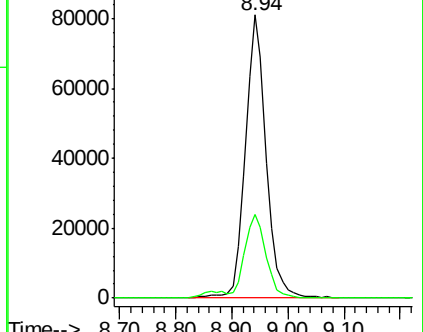
MMDadoda

4/25/2019 11:04:12 AM



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 49.779 ug/l

RT: 9.07 min Scan# 777

Delta R.T. -0.00 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

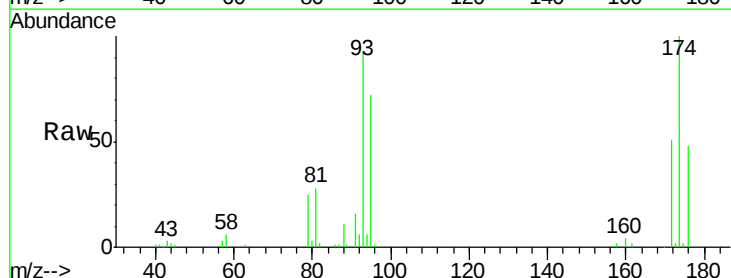
Tgt Ion: 93 Resp: 162184

Ion Ratio Lower Upper

93 100

95 78.8 64.8 97.2

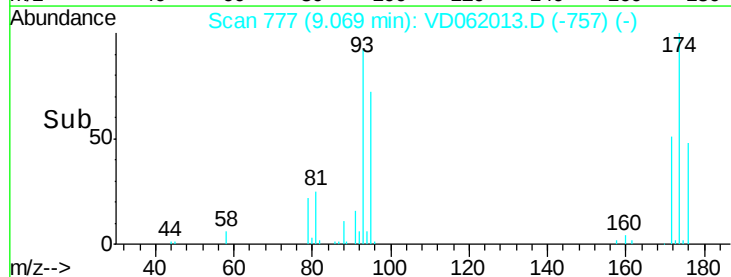
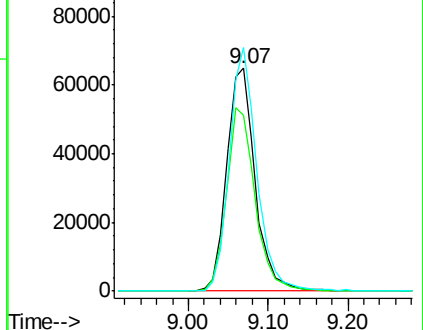
174 109.2 79.3 118.9



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 48.024 ug/l

RT: 9.37 min Scan# 808

Delta R.T. -0.01 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Instrument :

MSVOA_D

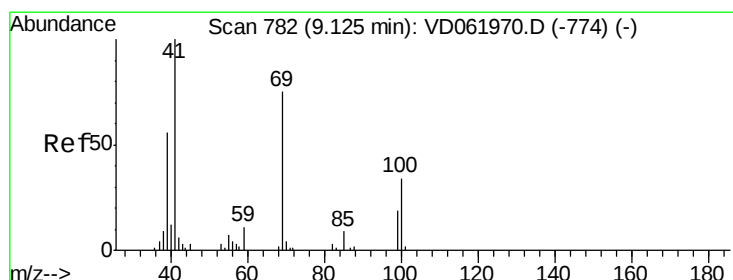
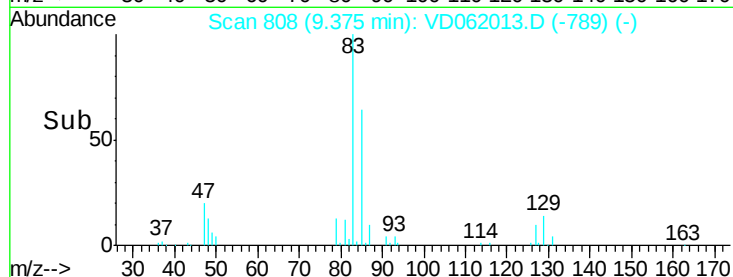
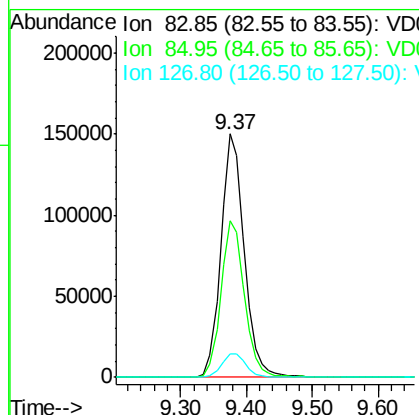
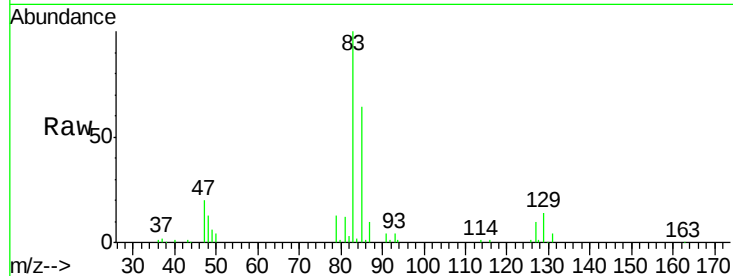
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	369705
Ion Ratio	Lower	Upper	
83	100		
85	64.2	50.9	76.3
127	9.6	8.1	12.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.790 ug/l

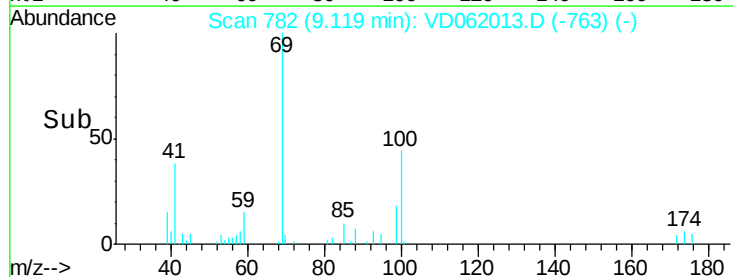
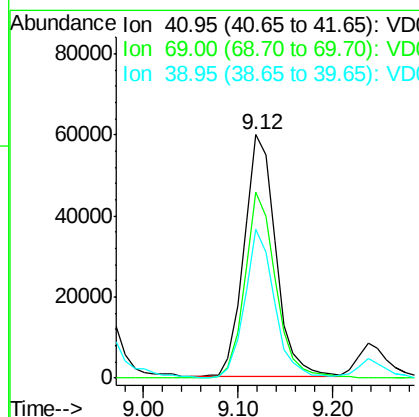
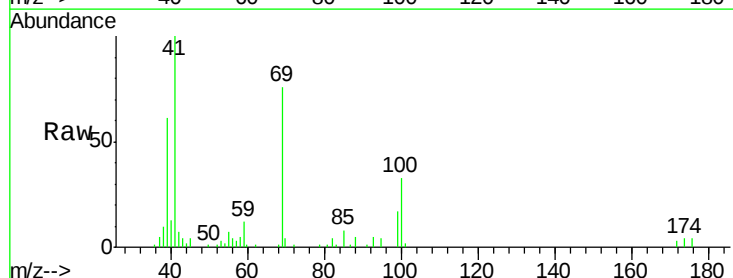
RT: 9.12 min Scan# 782

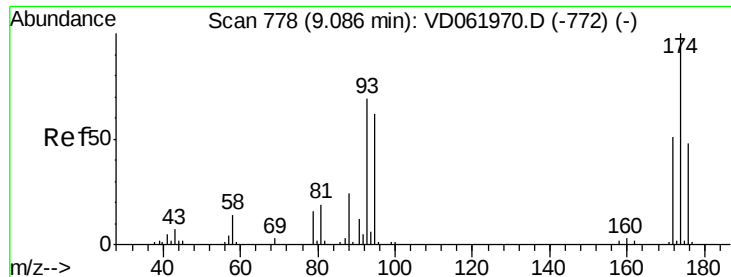
Delta R.T. -0.01 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Tgt Ion:	41	Resp:	137766
Ion Ratio	Lower	Upper	
41	100		
69	76.3	64.2	96.2
39	61.2	46.8	70.2





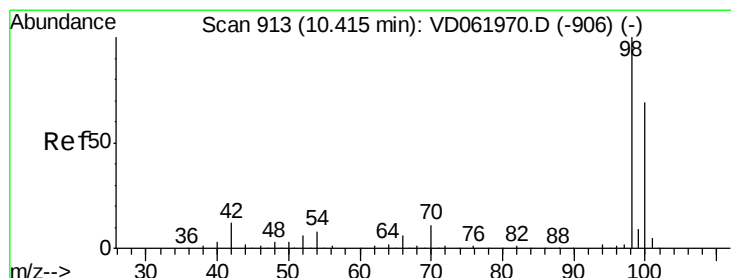
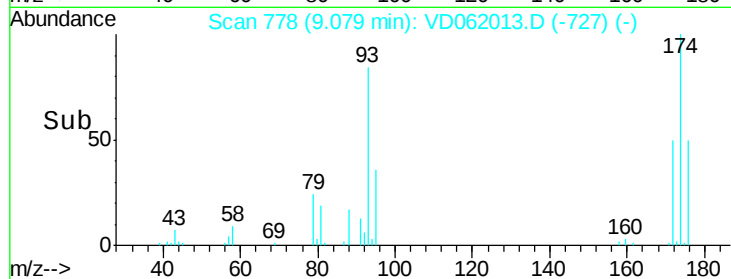
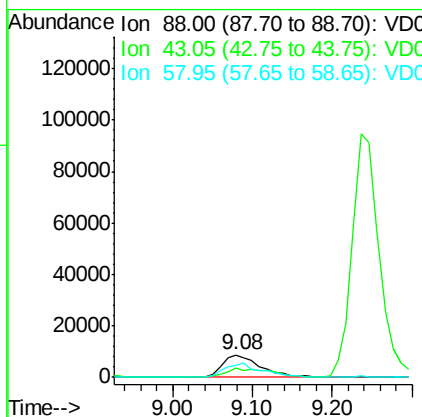
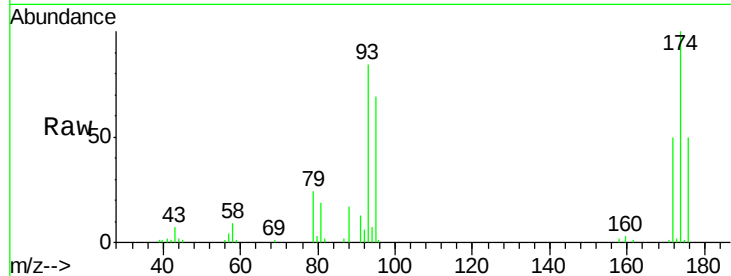
#49
1,4-Dioxane
Concen: 1067.158 ug/l
RT: 9.08 min Scan# 778
Delta R.T. -0.00 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	29467
Ion	Ratio	Lower	Upper
88	100		
43	40.2	23.4	35.0#
58	55.0	44.0	66.0

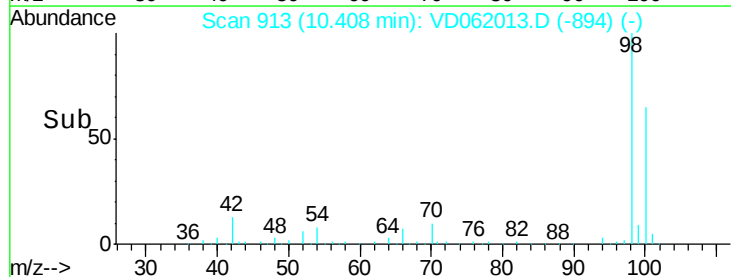
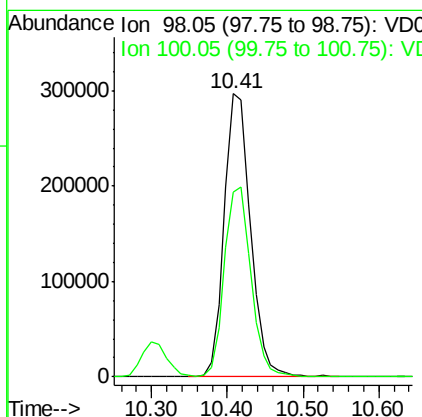
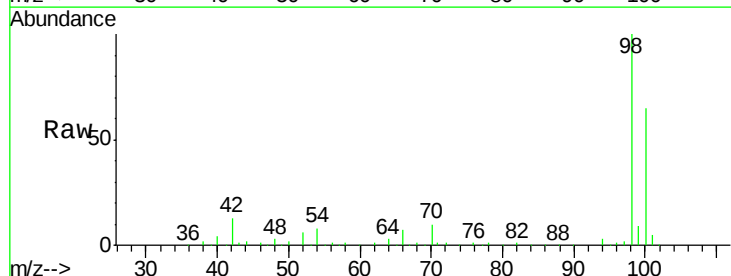
Manual Integrations
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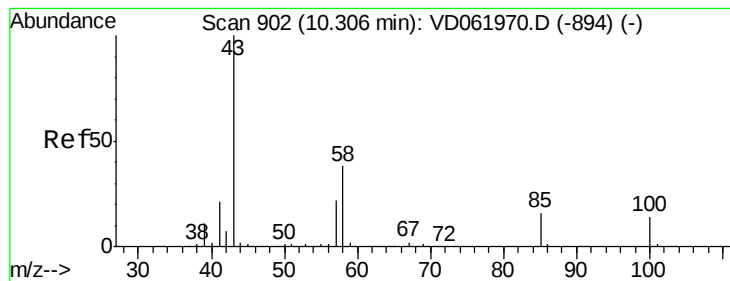
MMDadoda
4/25/2019 11:04:12 AM



#50
Toluene-d8
Concen: 47.010 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Tgt Ion	98	Resp	715862
Ion	Ratio	Lower	Upper
98	100		
100	65.4	53.8	80.8





#51

4-Methyl-2-Pentanone

Concen: 255.002 ug/l

RT: 10.30 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Tot Ion: 43 Resp: 700041

Ion Ratio Lower Upper

43 100

58 37.4 30.4 45.6

Instrument :

MSVOA_D

ClientSampleId :

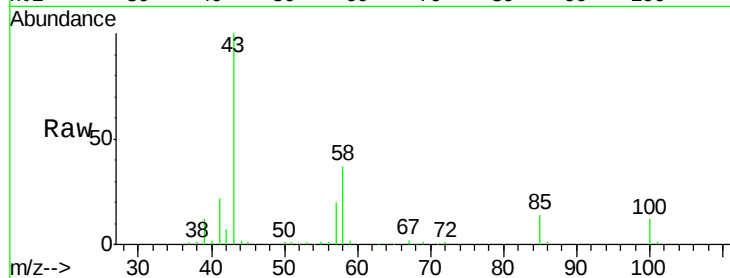
VSTDCCC050

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

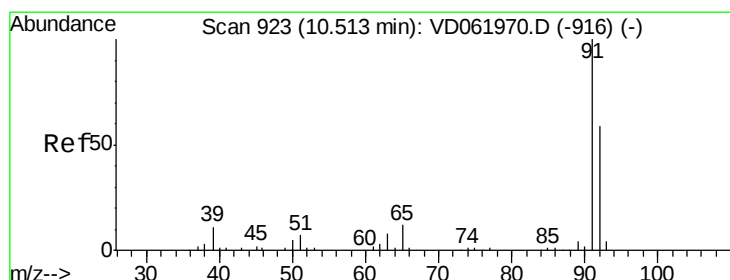
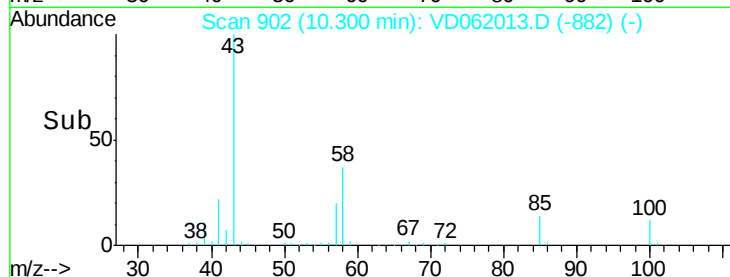
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 41.936 ug/l

RT: 10.52 min Scan# 924

Delta R.T. -0.00 min

Lab File: VD062013.D

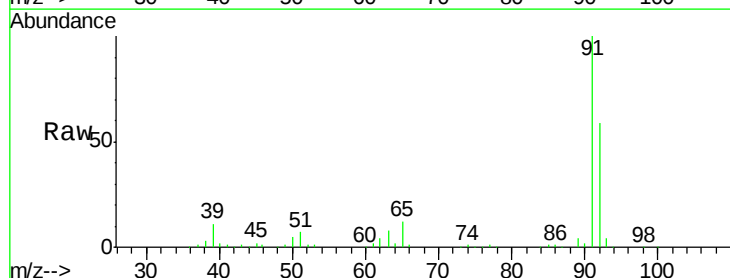
Acq: 25 Apr 2019 00:13

Tgt Ion: 92 Resp: 477244

Ion Ratio Lower Upper

92 100

91 169.9 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

400000

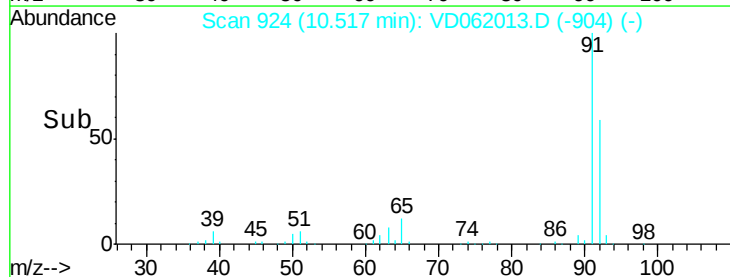
300000

200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 46.814 ug/l

RT: 10.91 min Scan# 964

Delta R.T. -0.01 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 302502

Ion Ratio Lower Upper

75 100

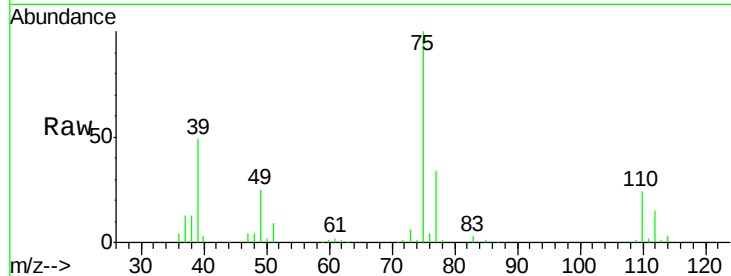
77 33.6 25.8 38.8

Manual Integrations

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.91

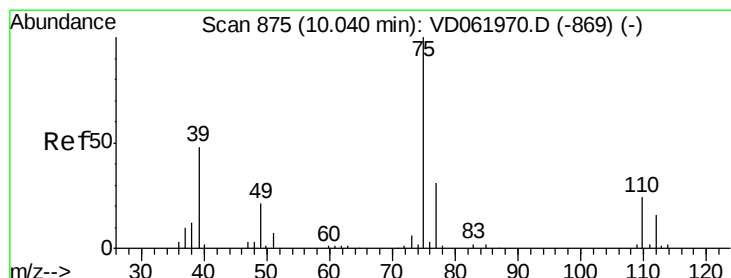
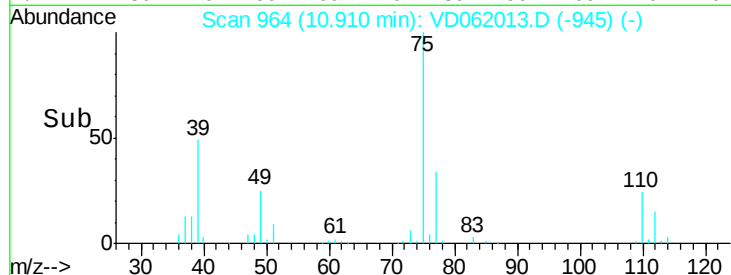
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.045 ug/l

RT: 10.04 min Scan# 876

Delta R.T. -0.00 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

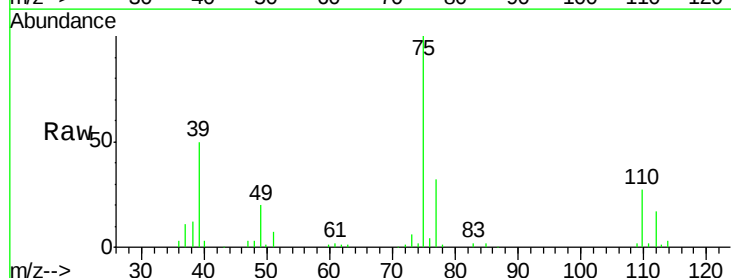
Tgt Ion: 75 Resp: 385455

Ion Ratio Lower Upper

75 100

77 32.3 25.5 38.3

39 49.7 39.4 59.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

10.04

200000

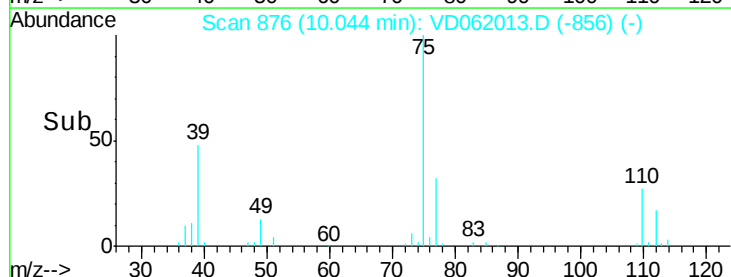
150000

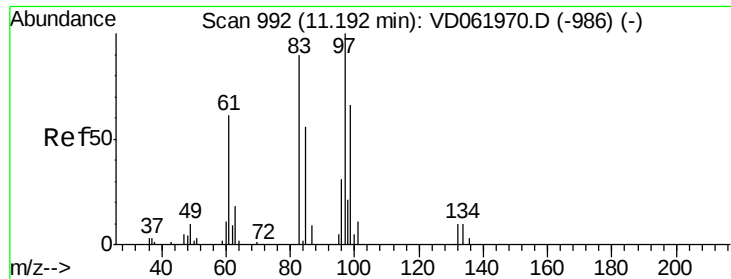
100000

50000

0

Time-->





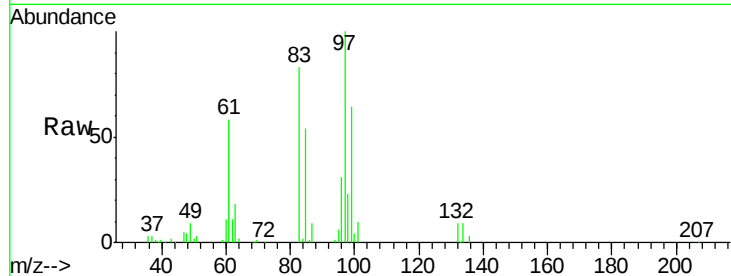
#55
 1,1,2-Trichloroethane
 Concen: 52.255 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. -0.00 min
 Lab File: VD062013.D
 Acq: 25 Apr 2019 00:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

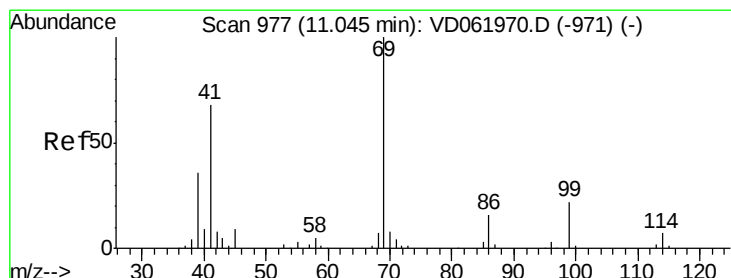
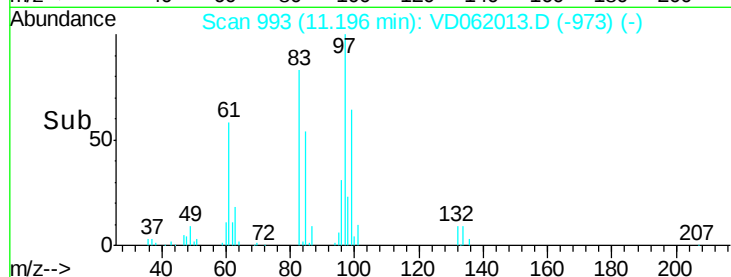
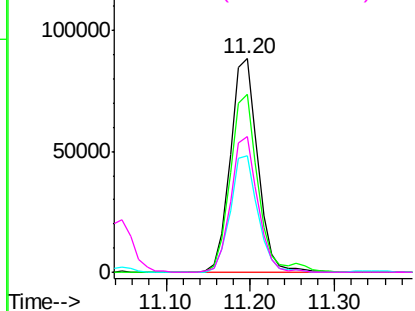
Tot Ion:	97	Resp:	199644
Ion	Ratio	Lower	Upper
97	100		
83	83.4	65.7	98.5
85	54.3	45.6	68.4
99	63.8	48.4	72.6

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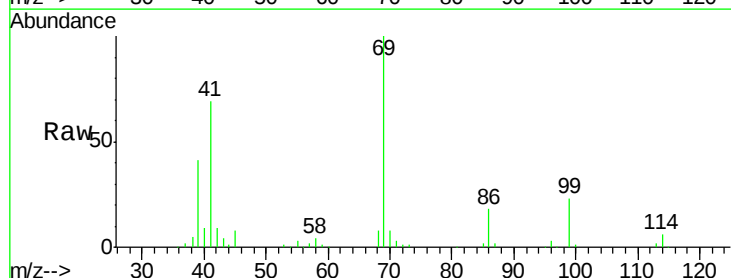


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

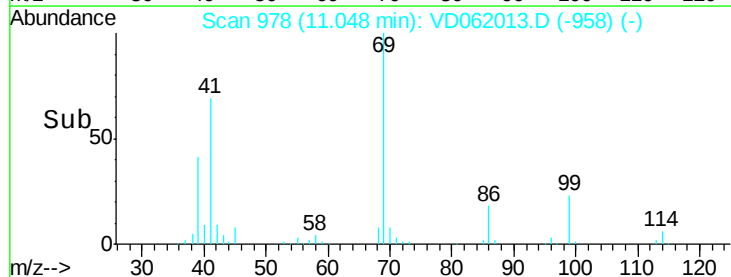
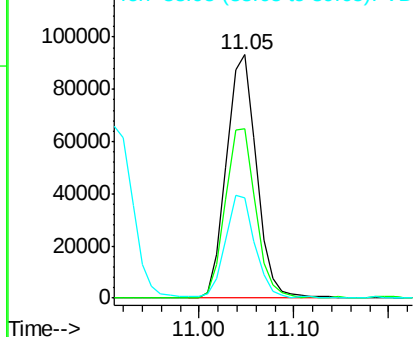


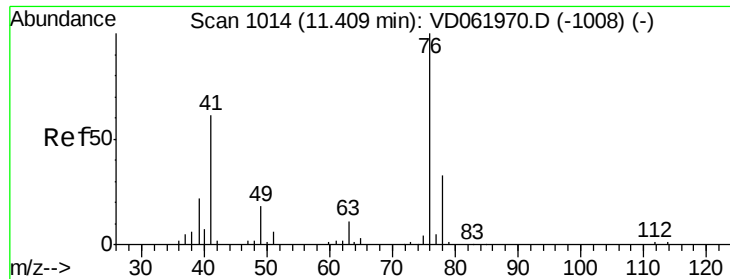
#56
 Ethyl methacrylate
 Concen: 48.531 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VD062013.D
 Acq: 25 Apr 2019 00:13

Tgt Ion:	69	Resp:	205357
Ion	Ratio	Lower	Upper
69	100		
41	69.5	56.3	84.5
39	41.0	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





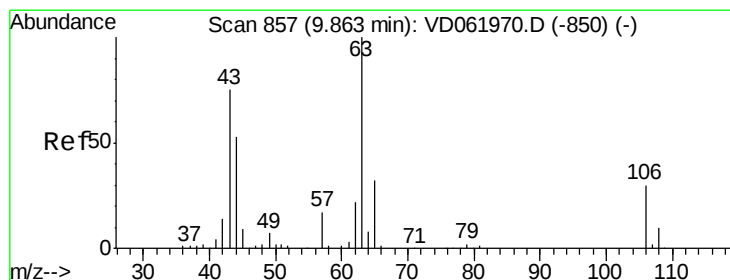
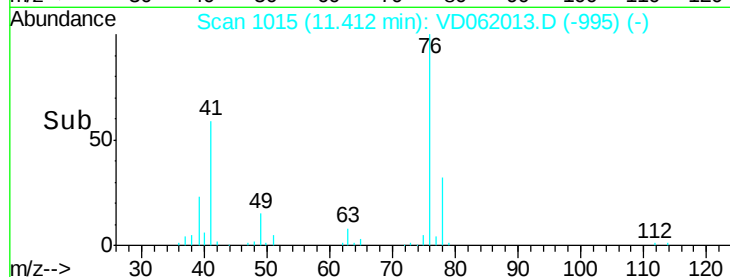
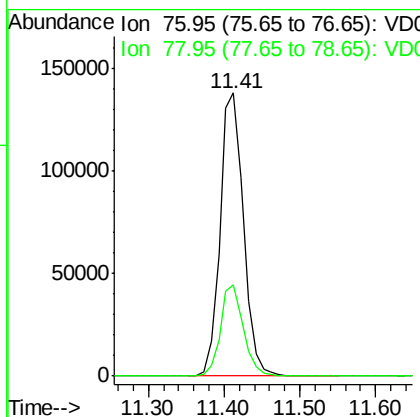
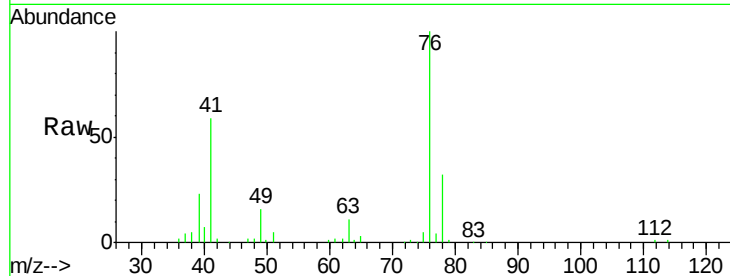
#57
 1,3-Dichloropropane
 Concen: 50.146 ug/l
 RT: 11.41 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: VD062013.D
 Acq: 25 Apr 2019 00:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 295906
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.2 39.2

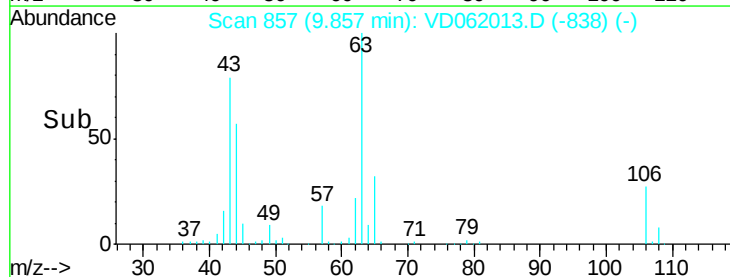
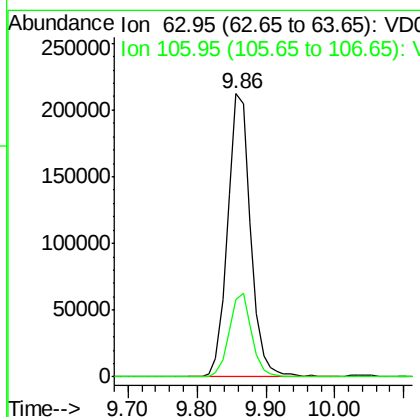
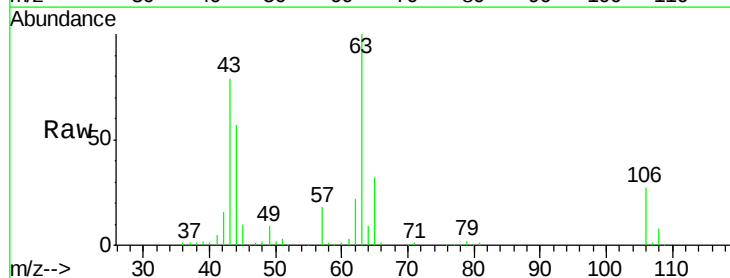
Manual Integrations
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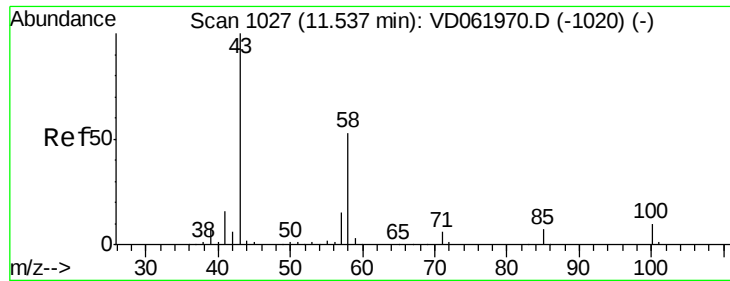
MMDadoda
 4/25/2019 11:04:12 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 248.278 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. -0.01 min
 Lab File: VD062013.D
 Acq: 25 Apr 2019 00:13

Tgt Ion: 63 Resp: 488444
 Ion Ratio Lower Upper
 63 100
 106 27.3 22.6 34.0





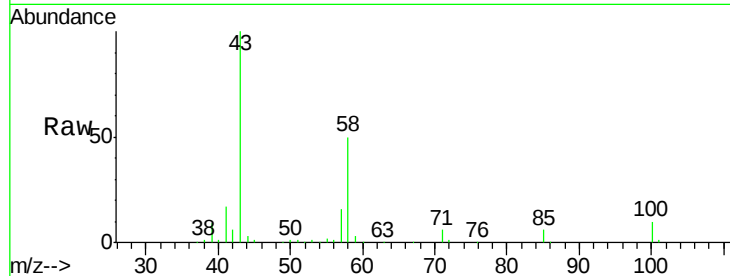
#59
2-Hexanone
Concen: 258.332 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

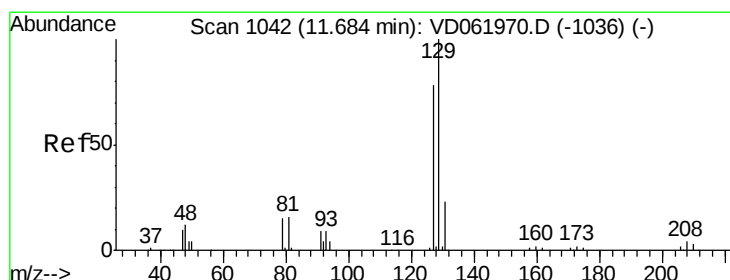
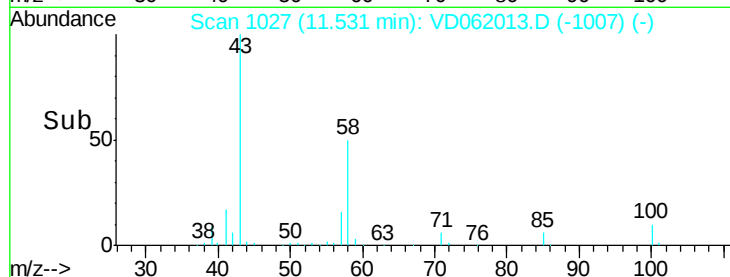
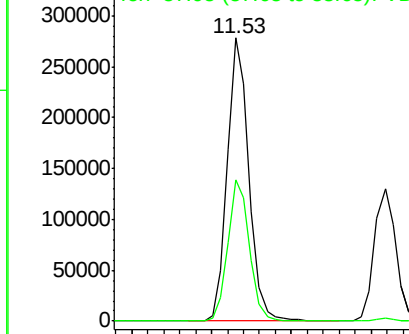
Tot Ion: 43 Resp: 531989
Ion Ratio Lower Upper
43 100
58 50.1 25.4 76.4

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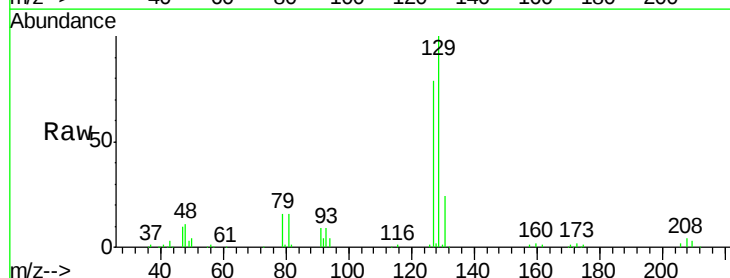


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

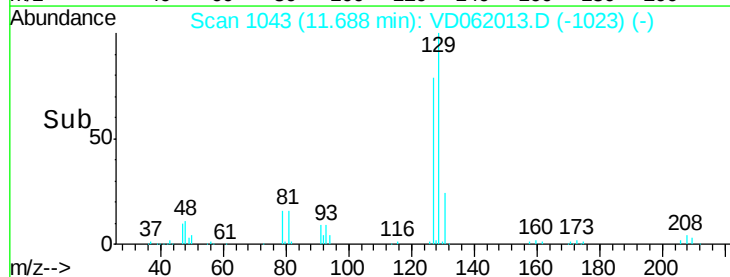
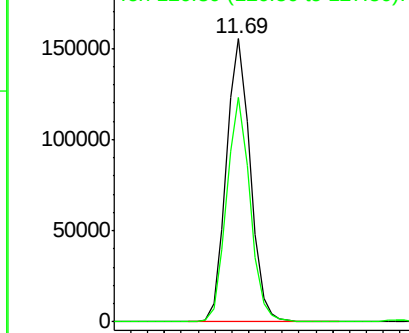


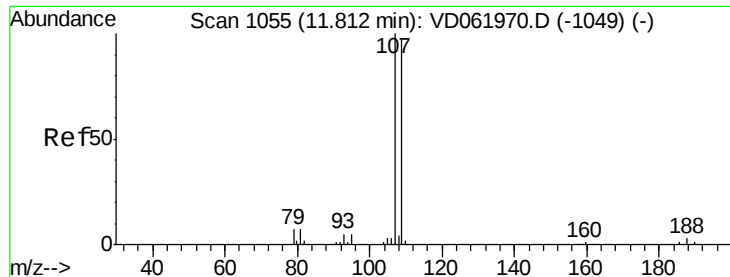
#60
Dibromochloromethane
Concen: 48.596 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Tgt Ion: 129 Resp: 307208
Ion Ratio Lower Upper
129 100
127 79.1 38.0 113.9



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V





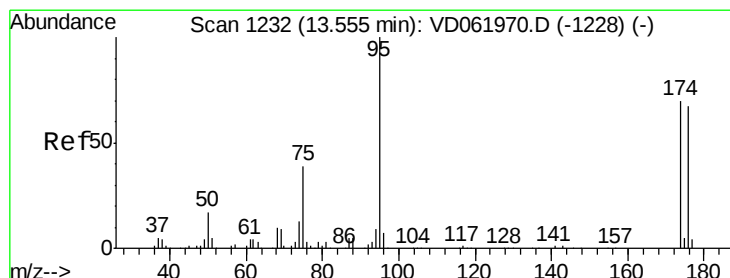
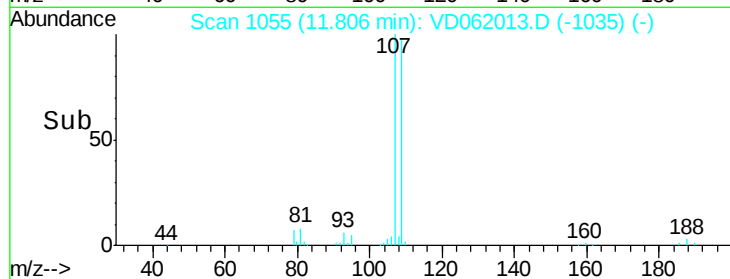
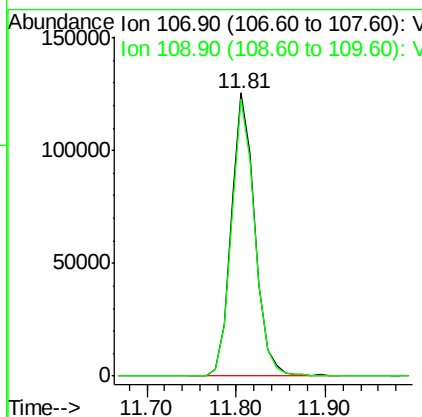
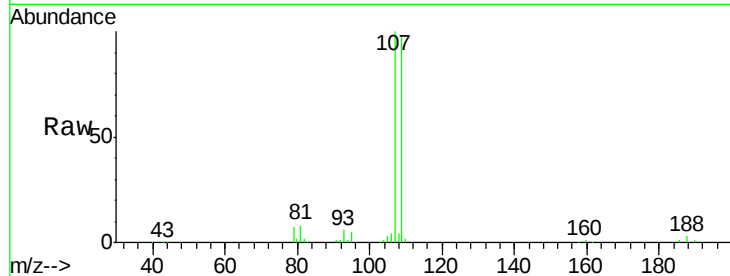
#61
 1,2-Dibromoethane
 Concen: 51.344 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VD062013.D
 Acq: 25 Apr 2019 00:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.8	78.3	117.5

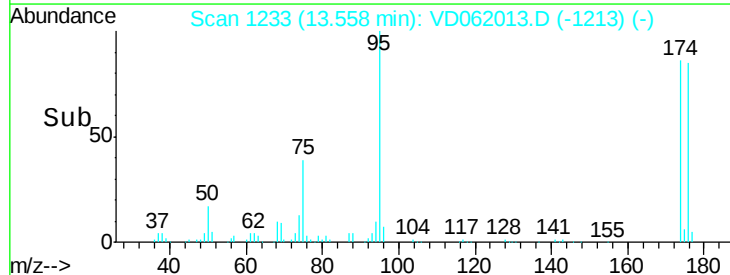
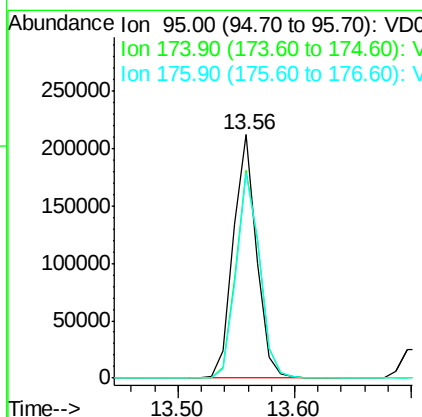
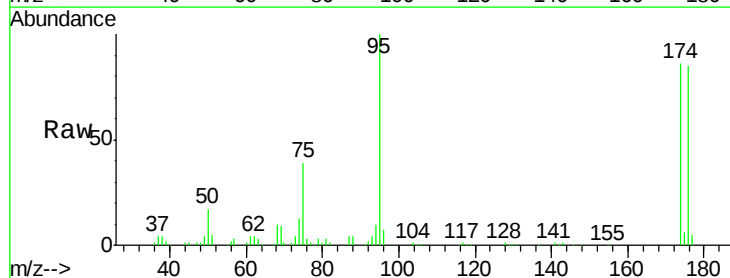
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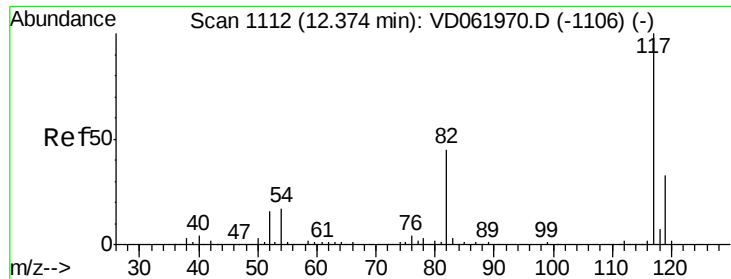
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 47.919 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VD062013.D
 Acq: 25 Apr 2019 00:13

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.6	0.0	181.8
176	84.5	0.0	174.4





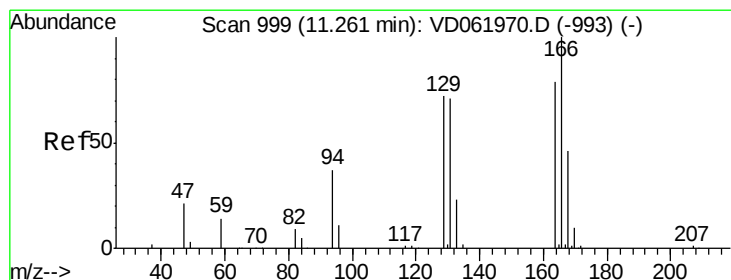
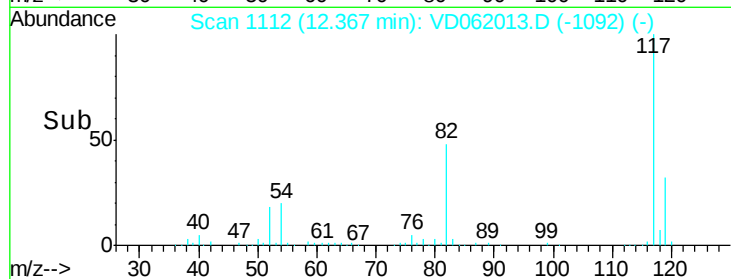
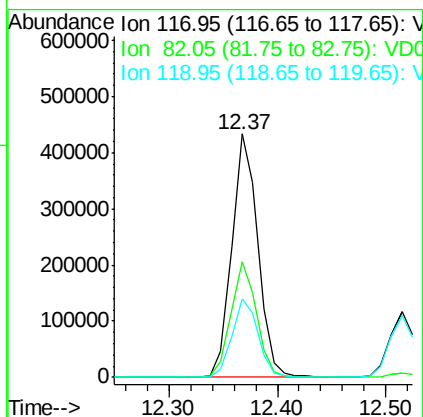
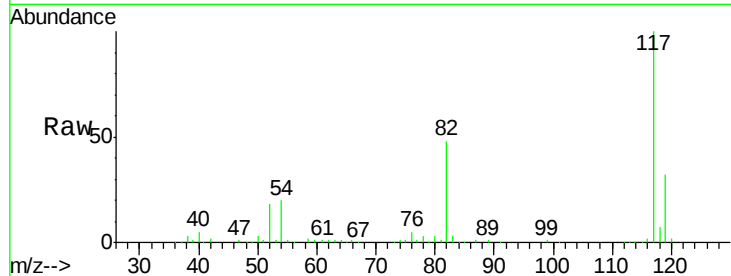
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	47.7	36.2	54.2
119	32.3	26.2	39.4

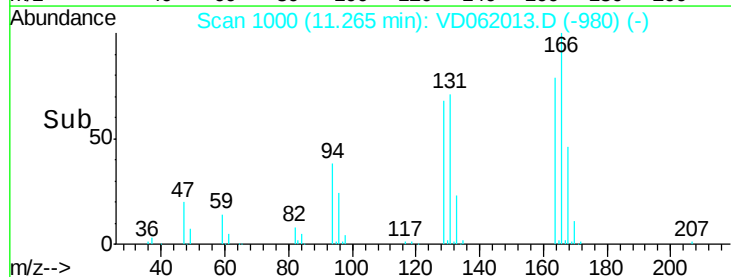
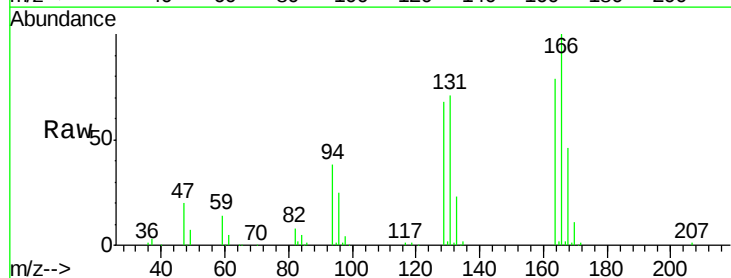
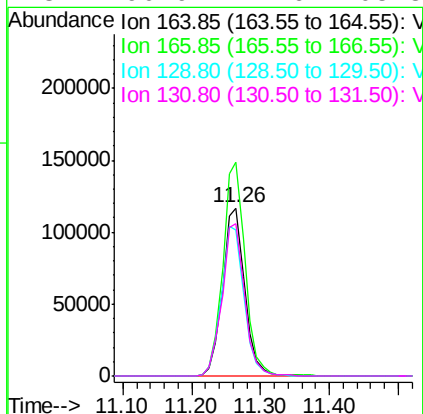
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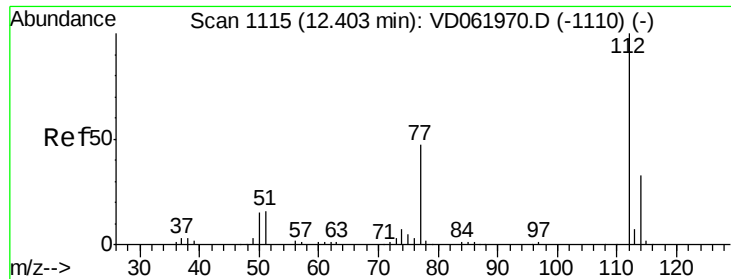
MMDadoda
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#64
Tetrachloroethene
Concen: 50.204 ug/l
RT: 11.26 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	101.5	152.3
129	86.7	74.6	112.0
131	90.9	72.6	108.8





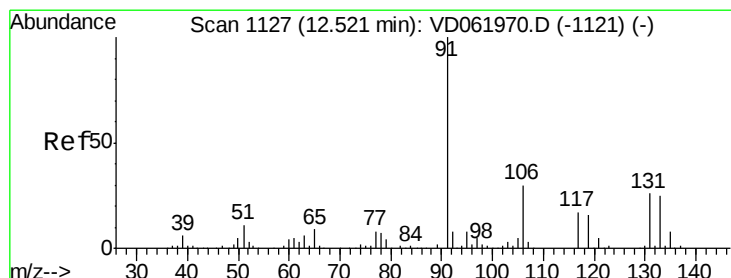
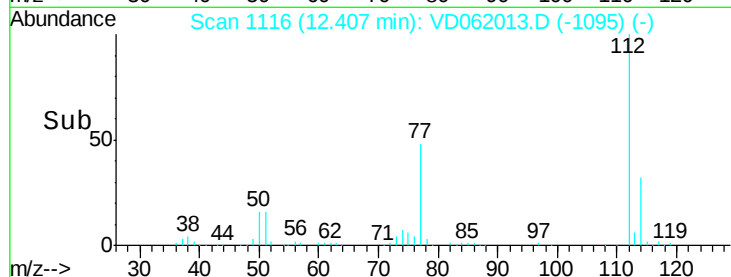
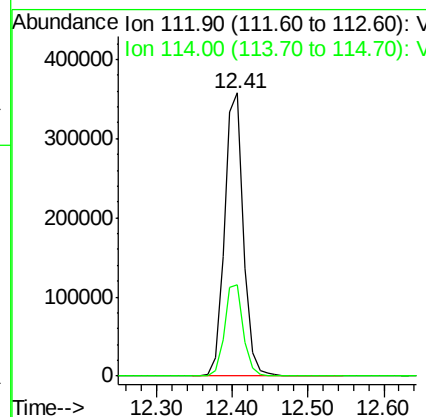
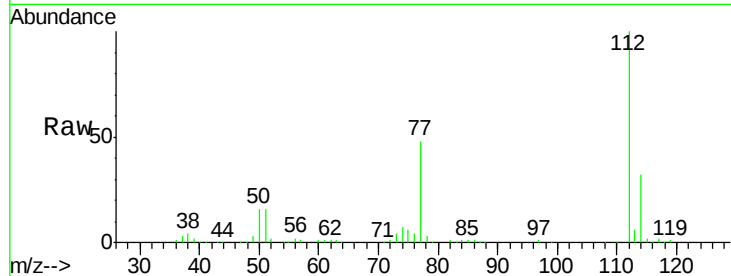
#65
Chlorobenzene
Concen: 45.329 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 620481
Ion Ratio Lower Upper
112 100
114 32.4 25.8 38.8

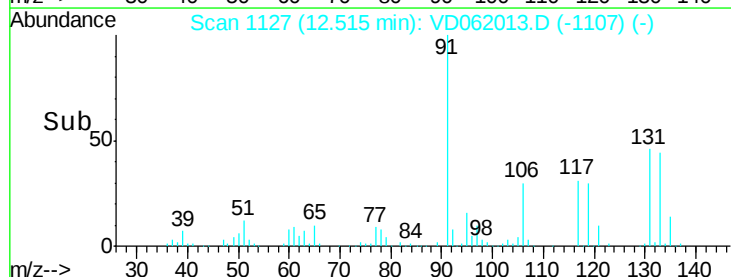
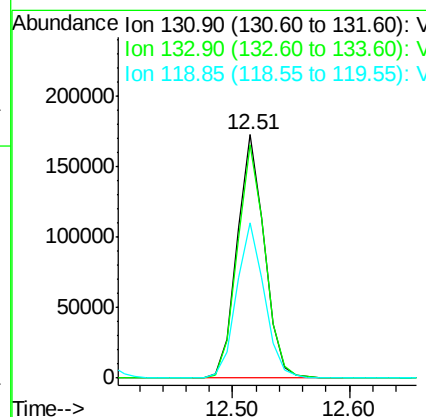
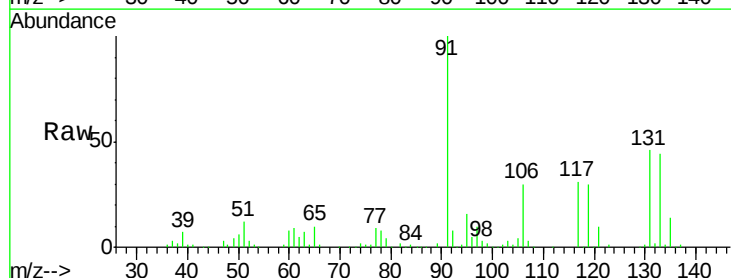
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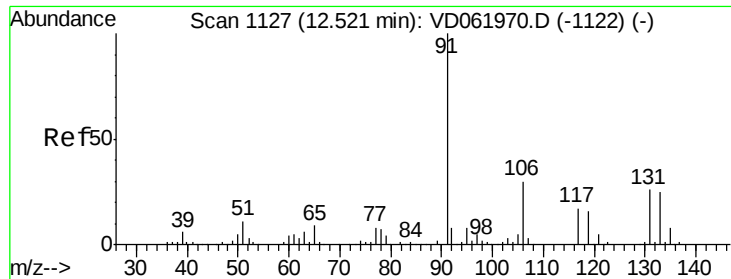
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.263 ug/l
RT: 12.51 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Tgt Ion:131 Resp: 280233
Ion Ratio Lower Upper
131 100
133 95.7 48.6 145.8
119 63.9 34.7 104.1





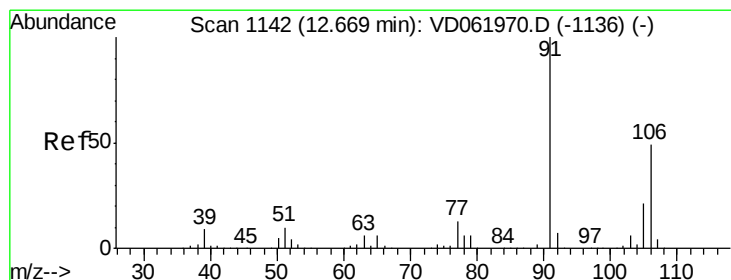
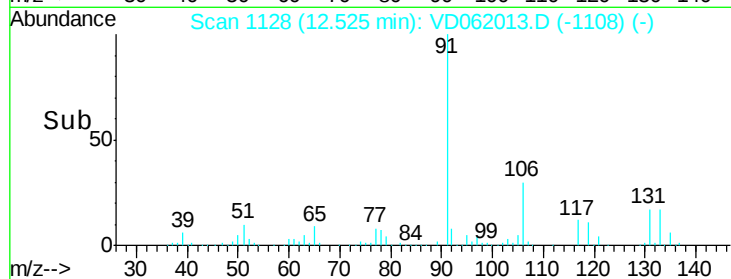
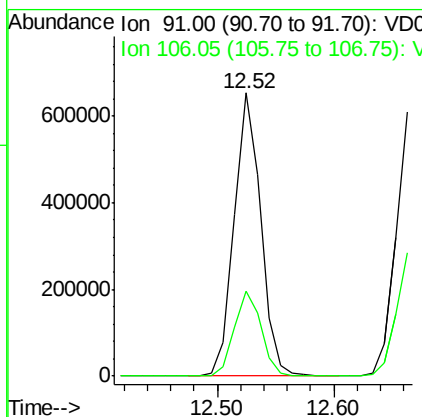
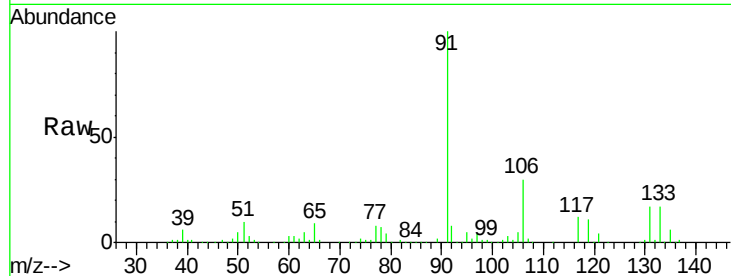
#67
Ethyl Benzene
Concen: 46.274 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1033859
Ion Ratio Lower Upper
91 100
106 30.2 24.7 37.1

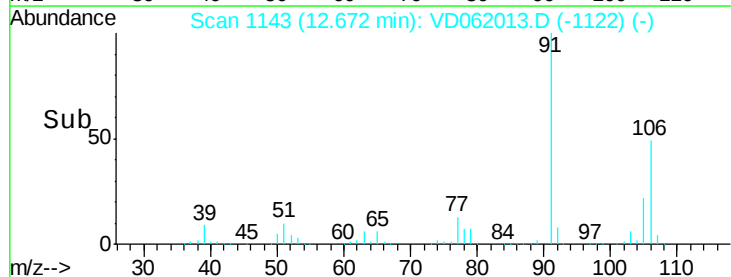
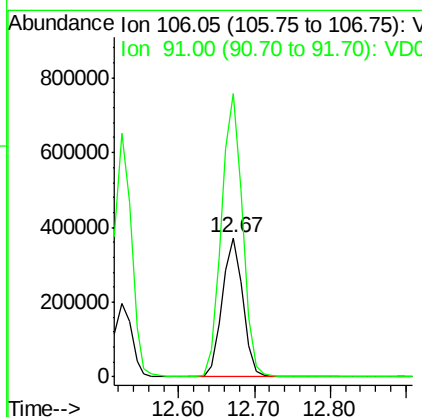
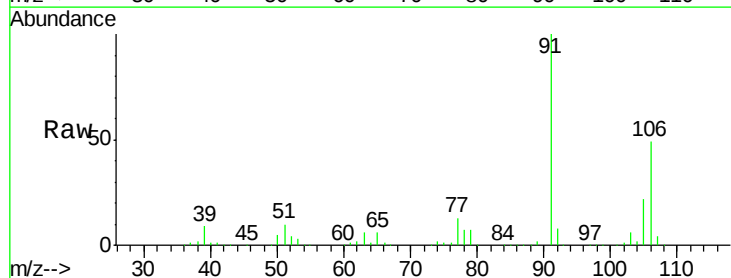
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#68
m/p-Xylenes
Concen: 87.385 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Tgt Ion:106 Resp: 705640
Ion Ratio Lower Upper
106 100
91 203.1 164.0 246.0





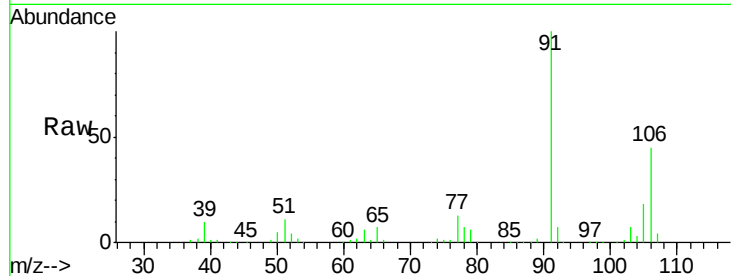
#69
o-Xylene
Concen: 49.004 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

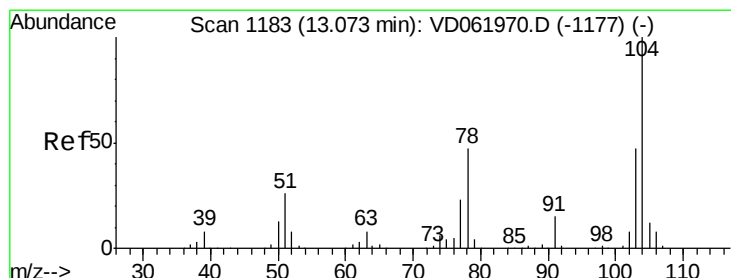
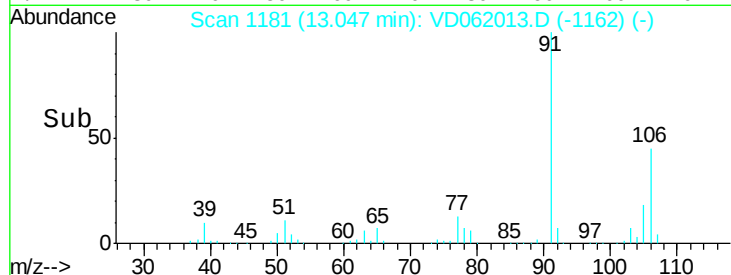
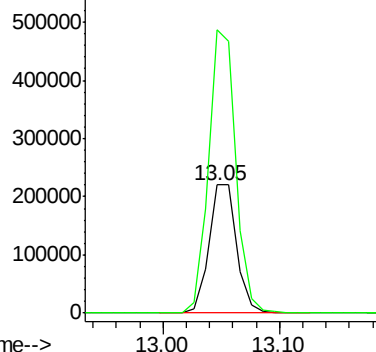
Tot Ion:106 Resp: 362062
Ion Ratio Lower Upper
106 100
91 221.1 106.7 319.9

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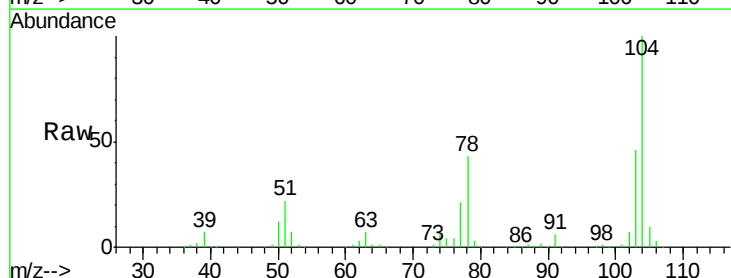


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

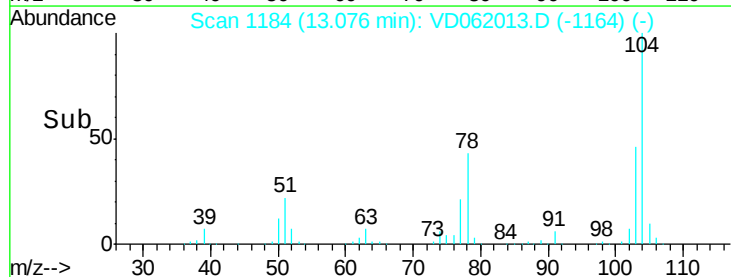
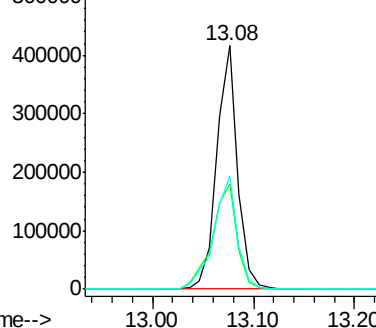


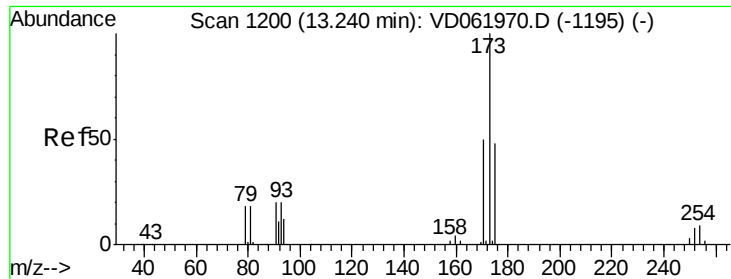
#70
Styrene
Concen: 46.753 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. -0.00 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Tgt Ion:104 Resp: 596451
Ion Ratio Lower Upper
104 100
78 43.3 35.4 53.2
103 46.3 37.5 56.3



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





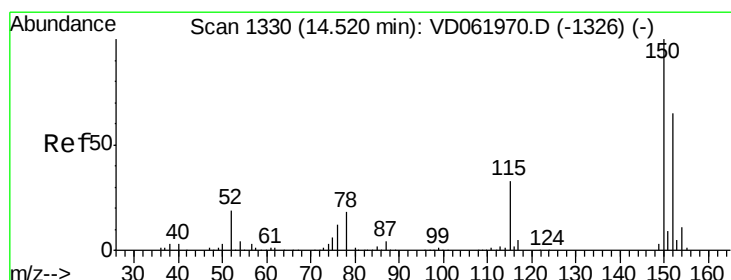
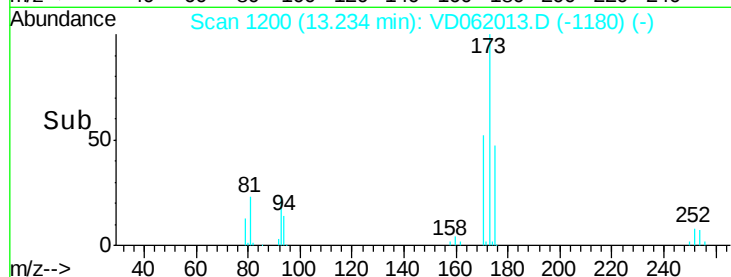
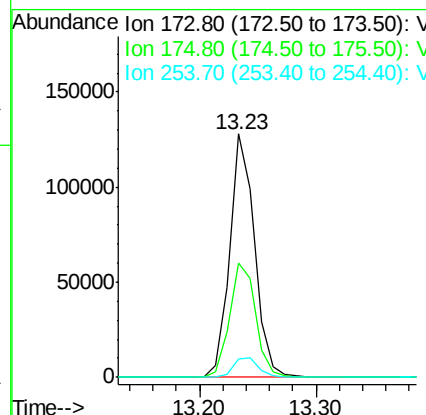
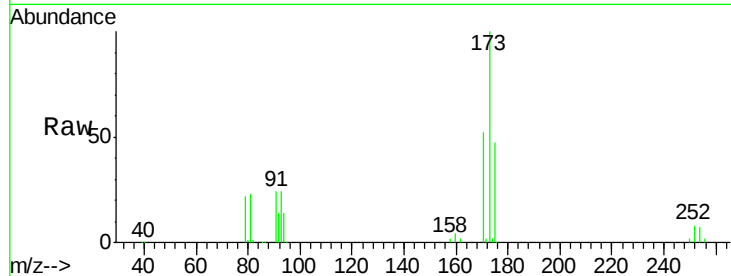
#71
Bromoform
Concen: 56.645 ug/l
RT: 13.23 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.9	24.4	73.4
254	7.4	5.4	8.2

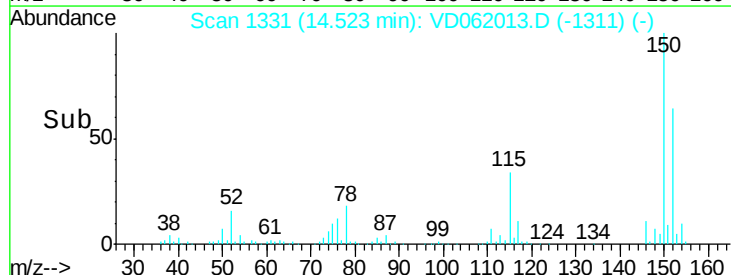
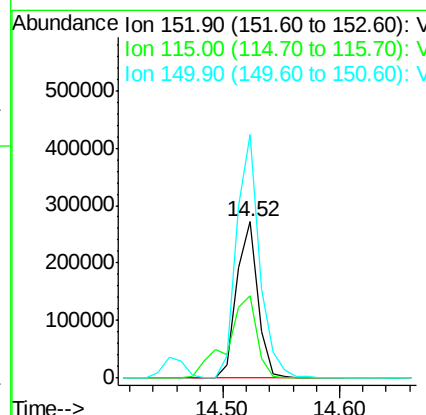
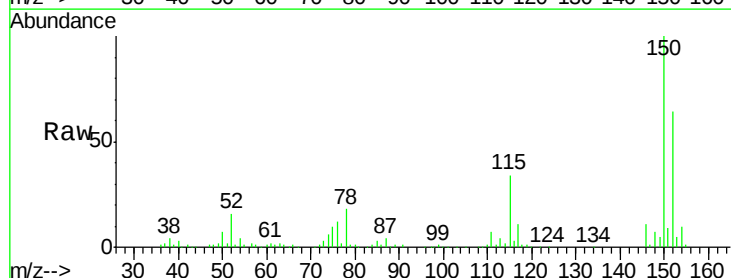
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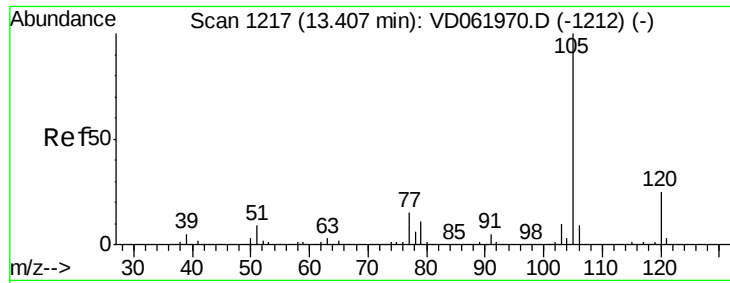
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. -0.00 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.0	30.9	92.7
150	155.7	0.0	314.8





#73

Isopropylbenzene

Concen: 46.299 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1061422

Ion Ratio Lower Upper

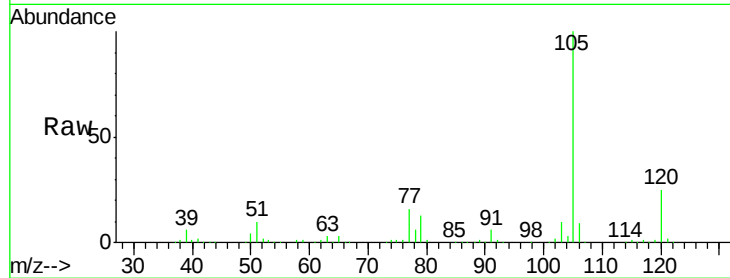
105 100

120 25.2 12.0 36.1

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

800000

600000

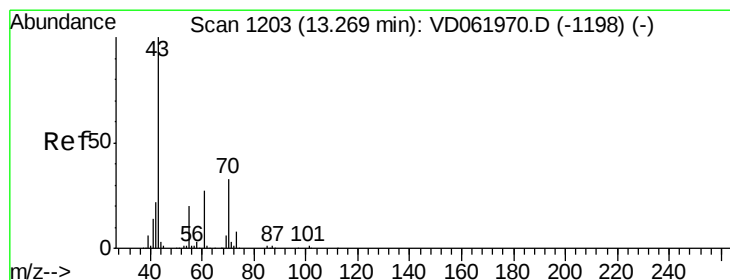
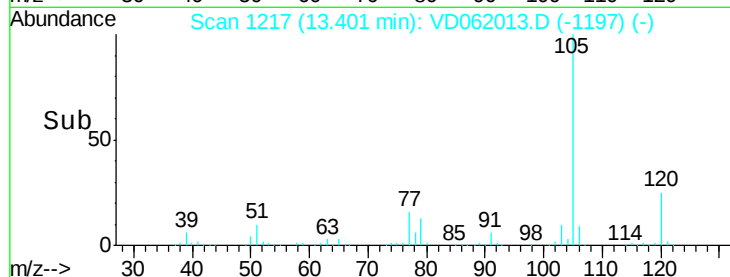
400000

200000

0

13.30 13.40 13.50

Time-->



#74

N-ethyl acetate

Concen: 53.054 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Tgt Ion: 43 Resp: 313234

Ion Ratio Lower Upper

43 100

70 31.4 24.2 36.4

55 18.9 16.0 24.0

61 25.6 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

300000

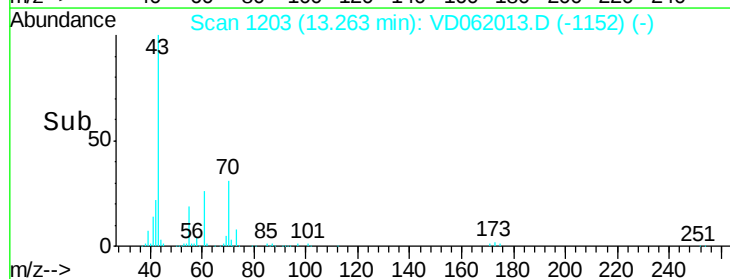
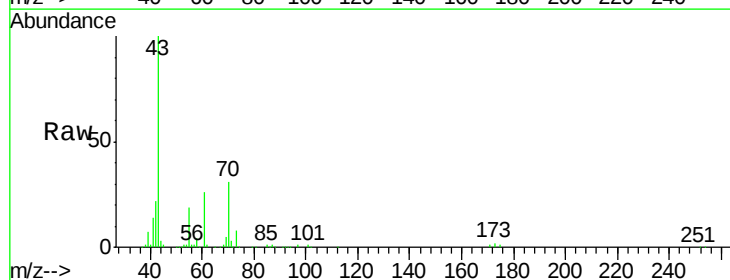
200000

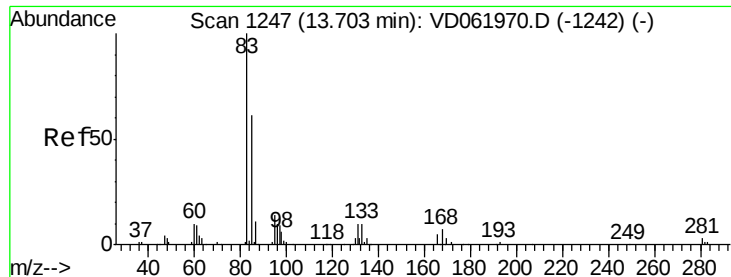
100000

0

13.20 13.30 13.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 52.398 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Instrument :

MSVOA_D

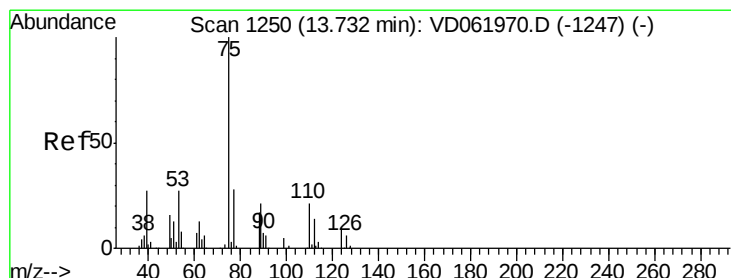
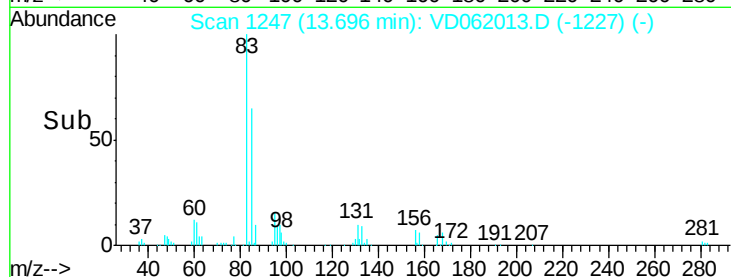
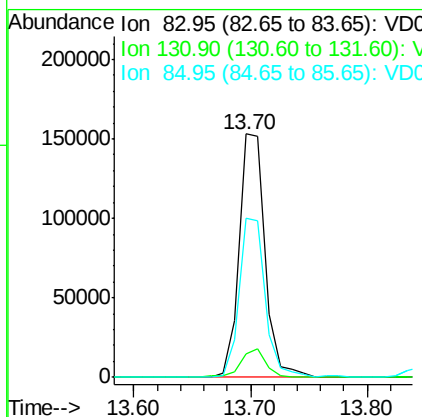
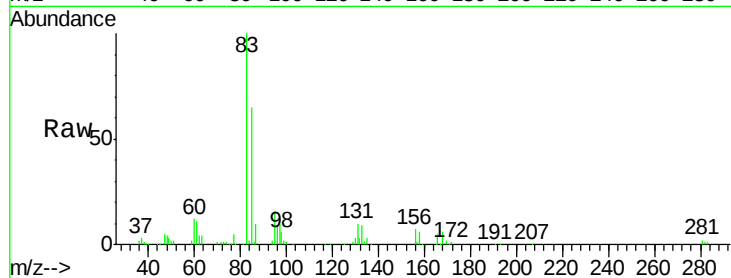
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	235396
Ion Ratio	Lower	Upper	
83	100		
131	9.6	5.0	14.9
85	65.2	32.6	97.7

Manual Integrations
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4/25/2019 11:04:12 AM



#76

1,2,3-Trichloropropane

Concen: 52.207 ug/l

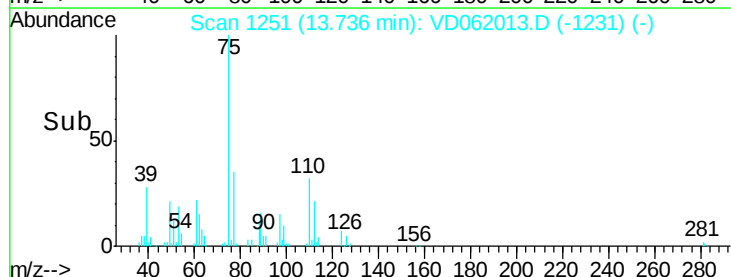
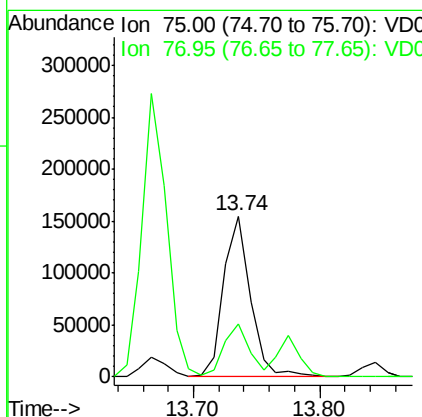
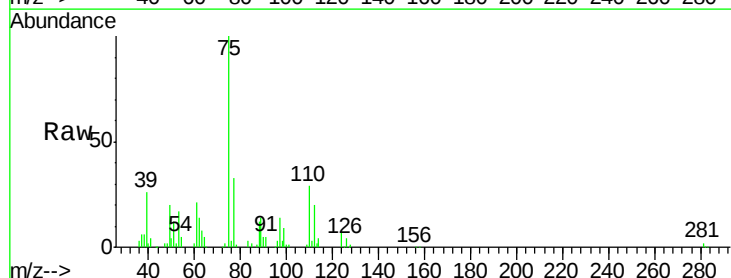
RT: 13.74 min Scan# 1251

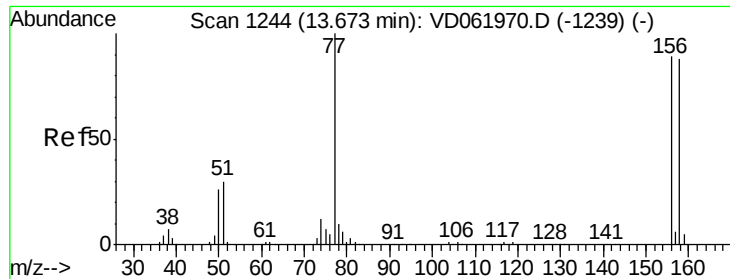
Delta R.T. -0.00 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Tgt Ion:	75	Resp:	227836
Ion Ratio	Lower	Upper	
75	100		
77	32.9	16.4	49.4





#77

Bromobenzene

Concen: 45.962 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Instrument :

MSVOA_D

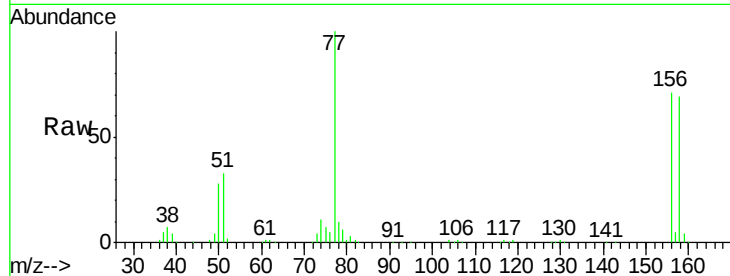
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	302271
Ion Ratio	Lower	Upper	
156	100		
77	140.4	53.1	159.4
158	96.7	49.4	148.0

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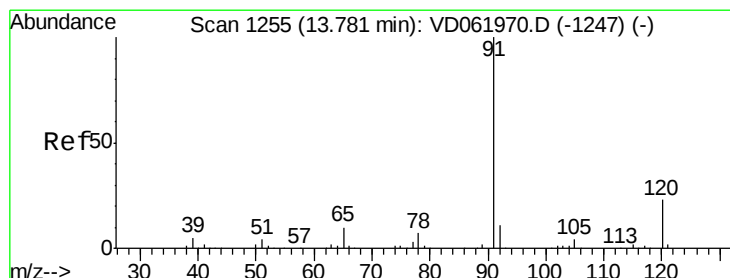
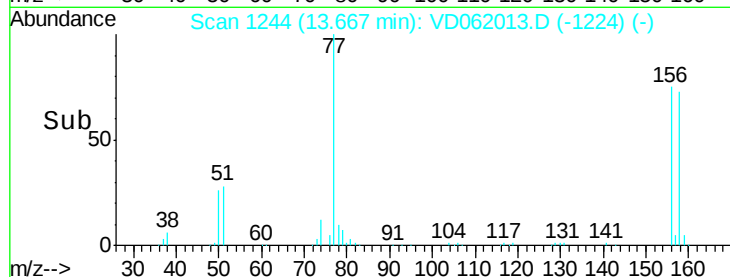
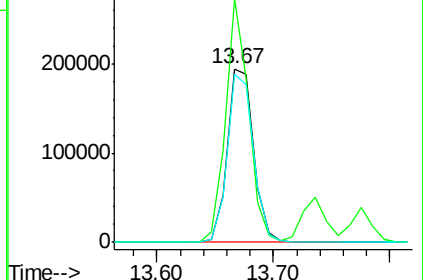
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 46.349 ug/l

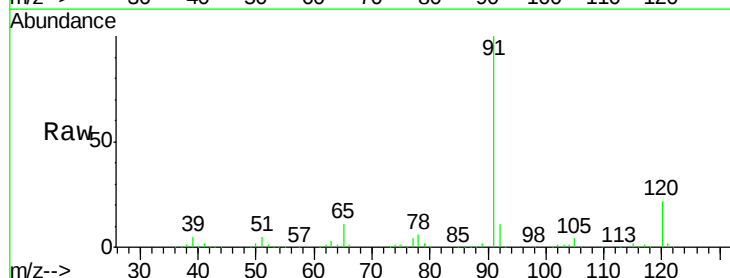
RT: 13.78 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD062013.D

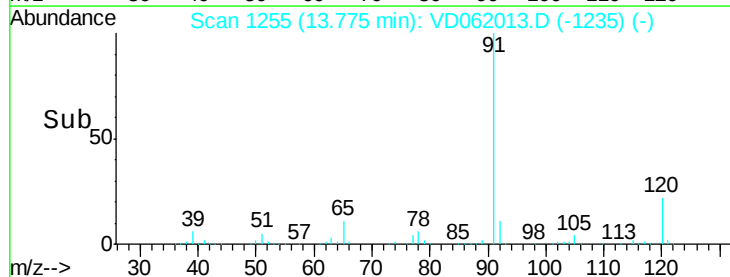
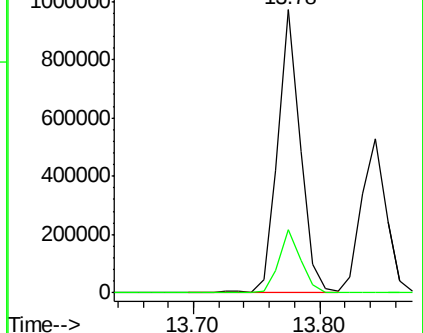
Acq: 25 Apr 2019 00:13

Tgt Ion:	91	Resp:	1216372
Ion Ratio	Lower	Upper	
91	100		
120	22.4	11.1	33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





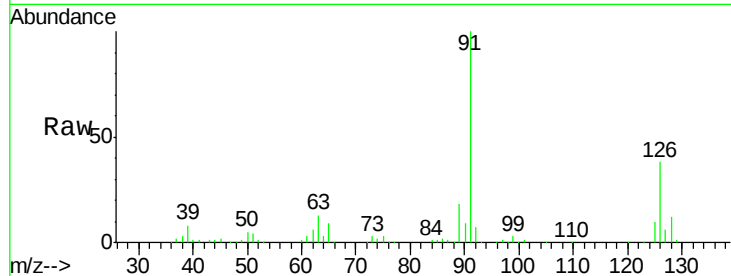
#79
 2-Chlorotoluene
 Concen: 44.986 ug/l
 RT: 13.84 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VD062013.D
 Acq: 25 Apr 2019 00:13

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

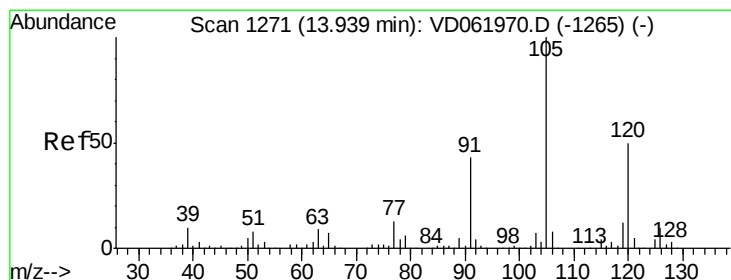
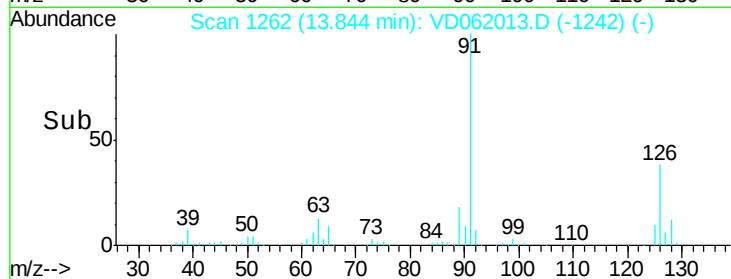
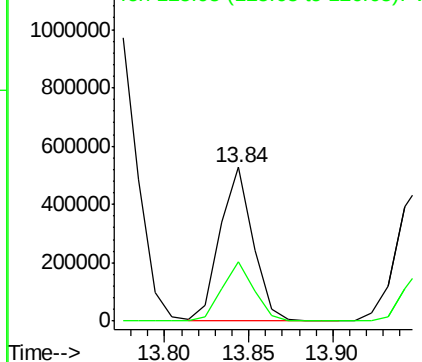
Tot Ion: 91 Resp: 715111
 Ion Ratio Lower Upper
 91 100
 126 38.3 18.6 55.8

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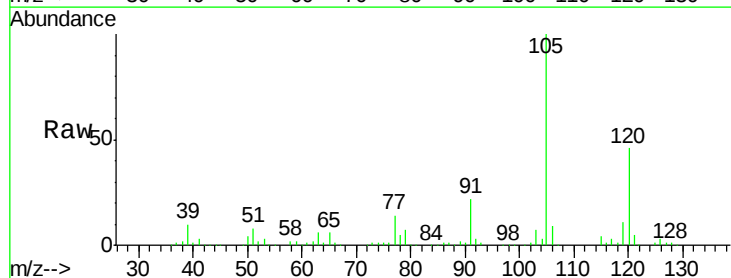


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

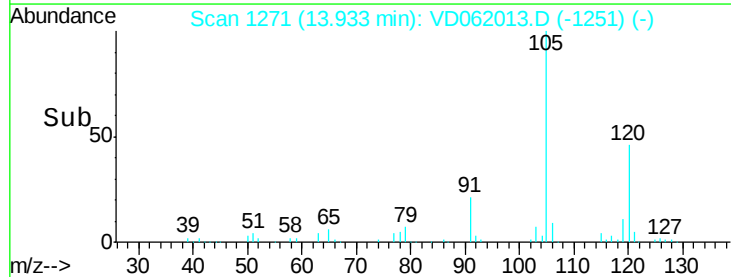
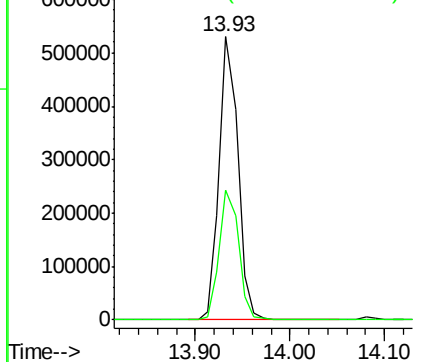


#80
 1,3,5-Trimethylbenzene
 Concen: 39.947 ug/l
 RT: 13.93 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VD062013.D
 Acq: 25 Apr 2019 00:13

Tgt Ion:105 Resp: 730217
 Ion Ratio Lower Upper
 105 100
 120 45.9 24.0 72.0



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





#81

trans-1,4-Dichloro-2-butene

Concen: 50.610 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Instrument :

MSVOA_D

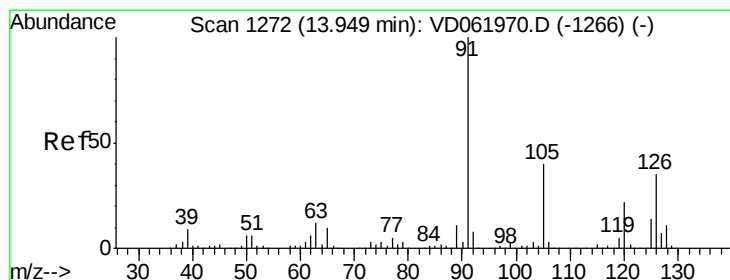
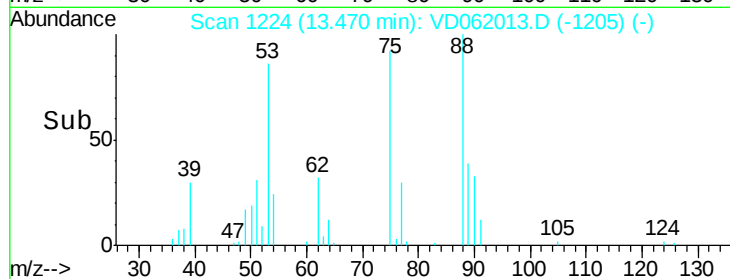
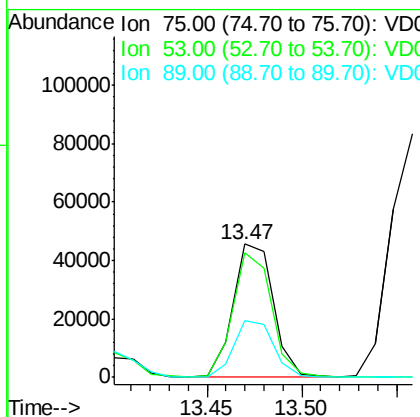
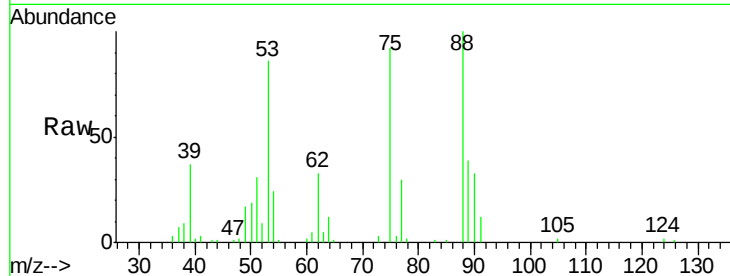
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	66931
Ion Ratio	Lower	Upper	
75	100		
53	93.4	65.8	98.8
89	42.6	35.0	52.6

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#82

4-Chlorotoluene

Concen: 40.263 ug/l

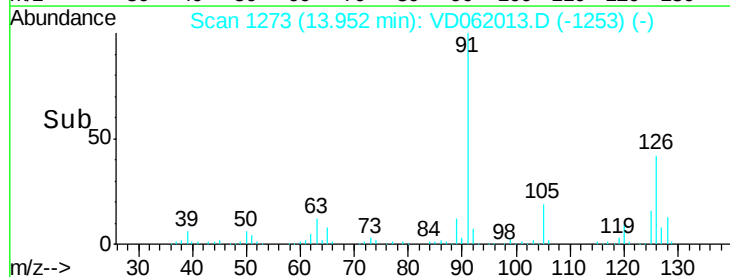
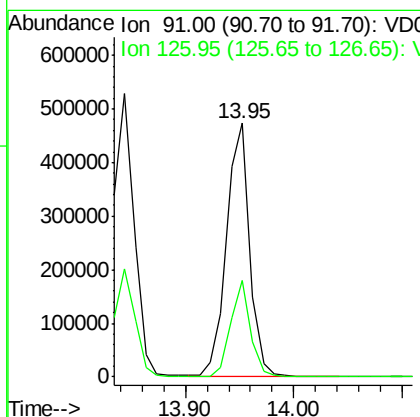
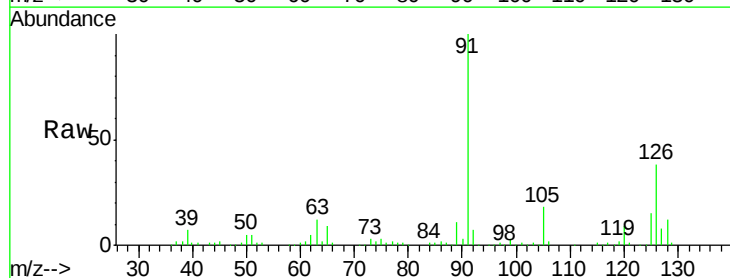
RT: 13.95 min Scan# 1273

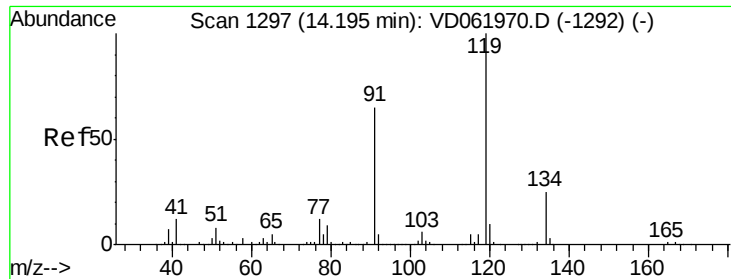
Delta R.T. -0.00 min

Lab File: VD062013.D

Acq: 25 Apr 2019 00:13

Tgt Ion:	91	Resp:	704854
Ion Ratio	Lower	Upper	
91	100		
126	37.8	19.1	57.5





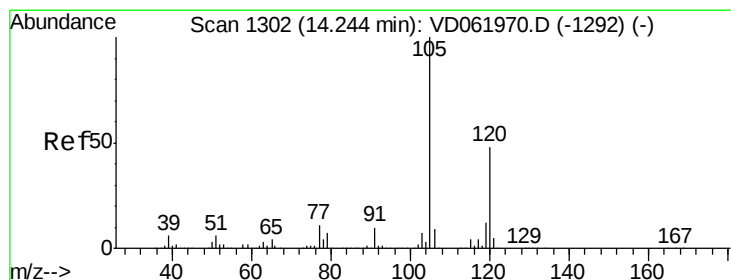
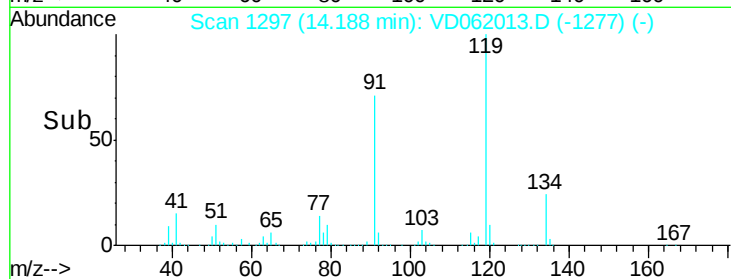
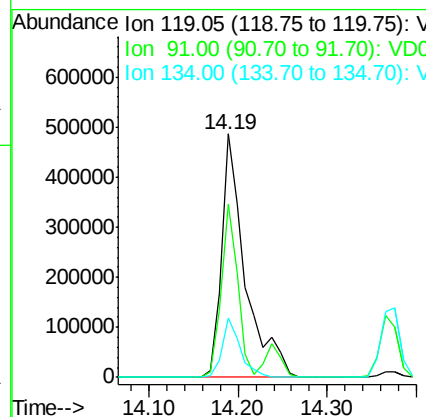
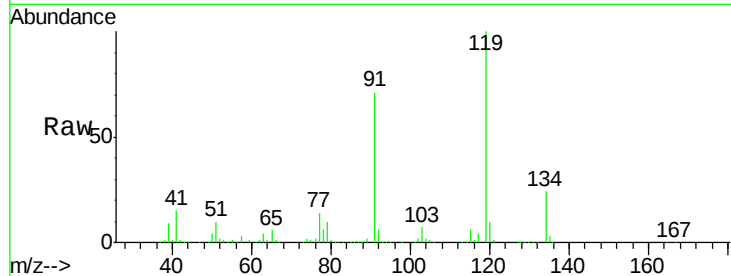
#83
tert-Butylbenzene
Concen: 42.291 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. -0.00 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	895545		
91	71.3	34.2	102.6	
134	24.3	12.0	36.0	

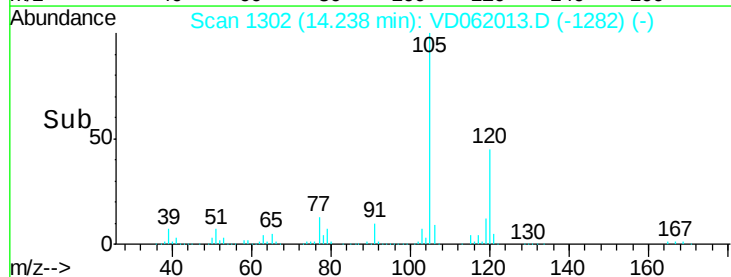
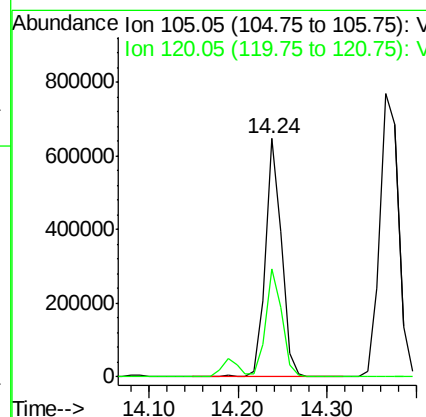
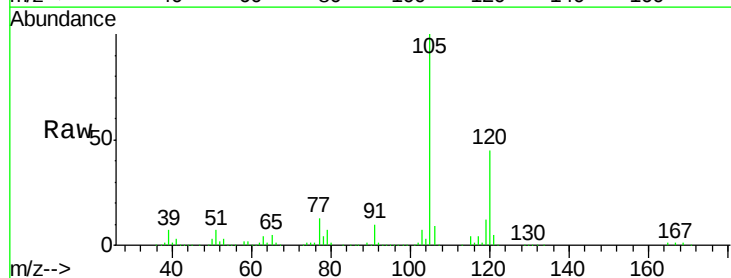
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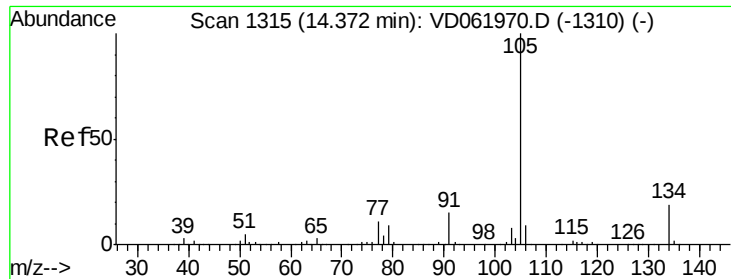
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#84
1,2,4-Trimethylbenzene
Concen: 45.827 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	799878		
120	45.3	23.1	69.2	





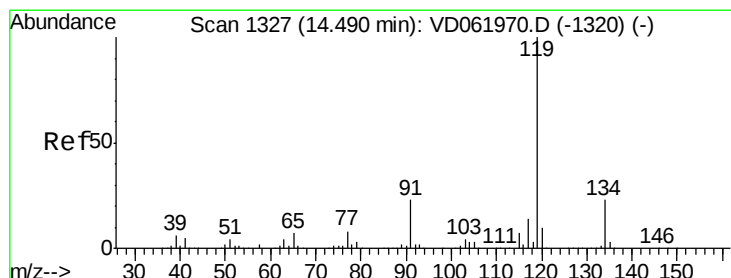
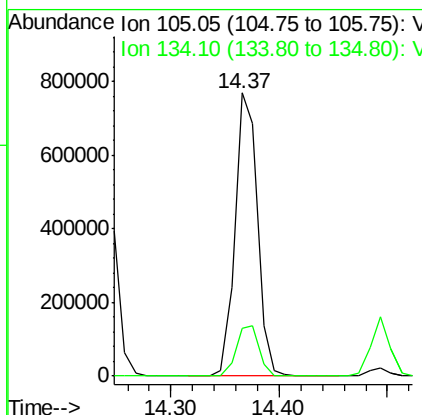
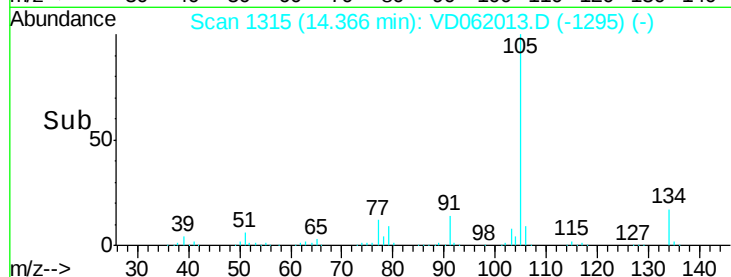
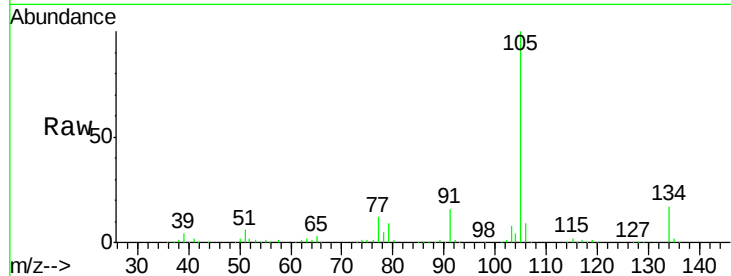
#85
 sec-Butylbenzene
 Concen: 48.261 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD062013.D
 Acq: 25 Apr 2019 00:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1104247
 Ion Ratio Lower Upper
 105 100
 134 16.9 8.9 26.7

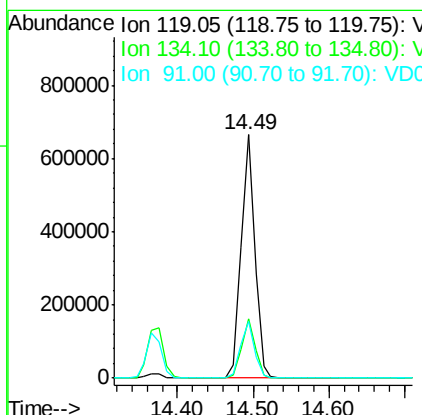
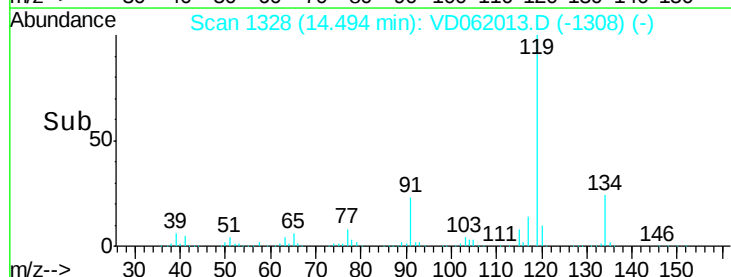
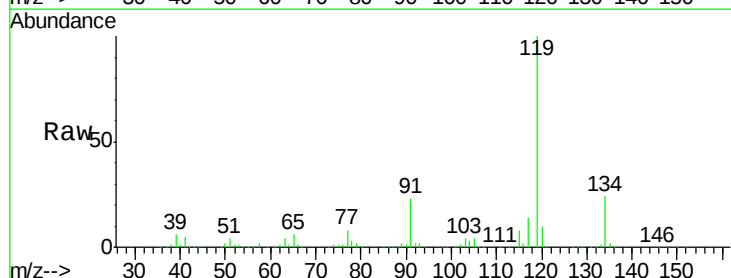
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#86
 p-Isopropyltoluene
 Concen: 40.348 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. -0.00 min
 Lab File: VD062013.D
 Acq: 25 Apr 2019 00:13

Tgt Ion:119 Resp: 826238
 Ion Ratio Lower Upper
 119 100
 134 24.4 12.8 38.3
 91 23.5 10.7 32.1





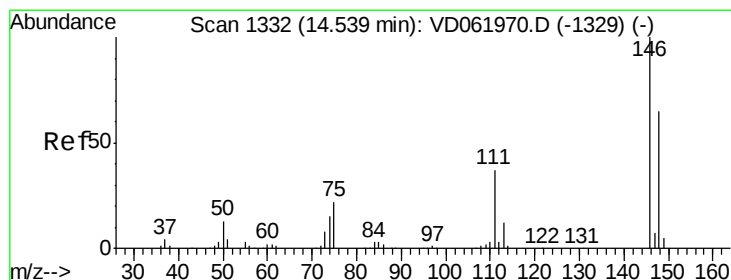
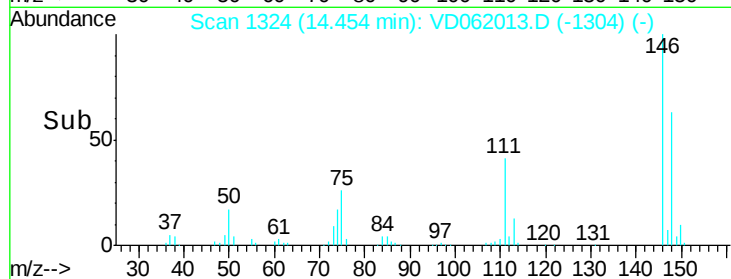
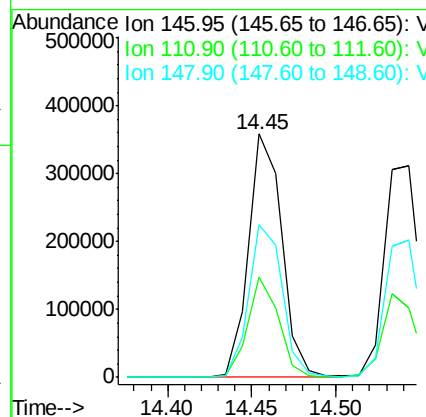
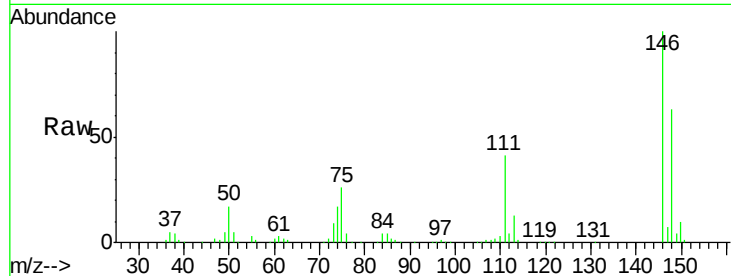
#87
 1,3-Dichlorobenzene
 Concen: 42.779 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD062013.D
 Acq: 25 Apr 2019 00:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.0	60.0
148	62.7	31.8	95.4

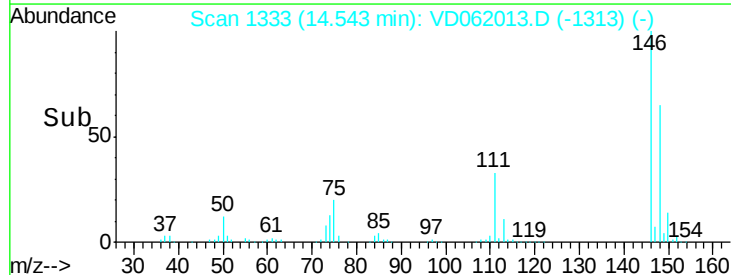
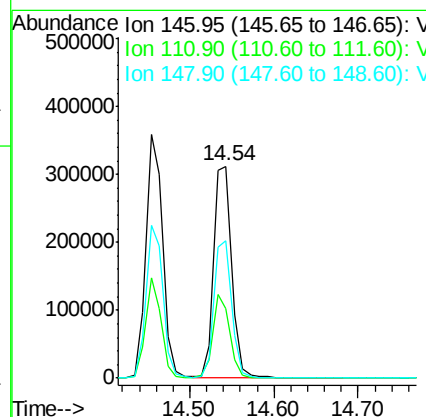
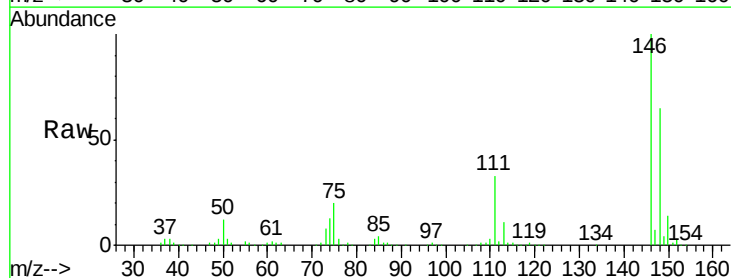
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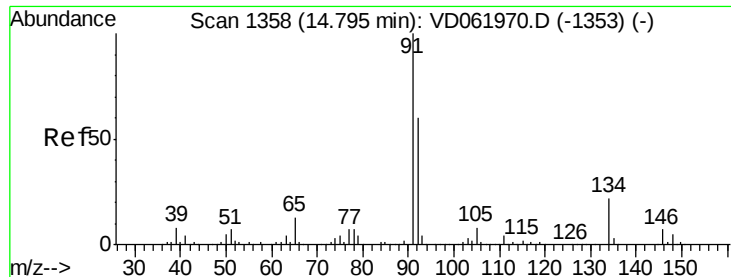
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#88
 1,4-Dichlorobenzene
 Concen: 42.899 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. -0.00 min
 Lab File: VD062013.D
 Acq: 25 Apr 2019 00:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	32.9	20.2	60.5
148	64.6	32.0	96.2





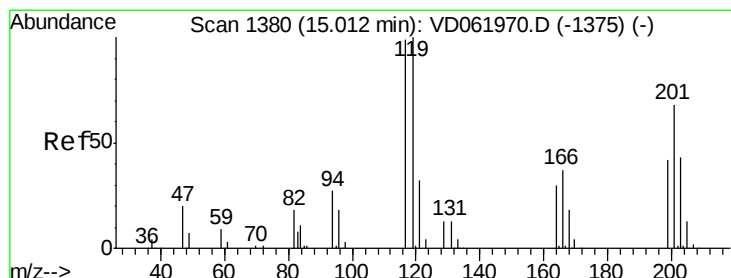
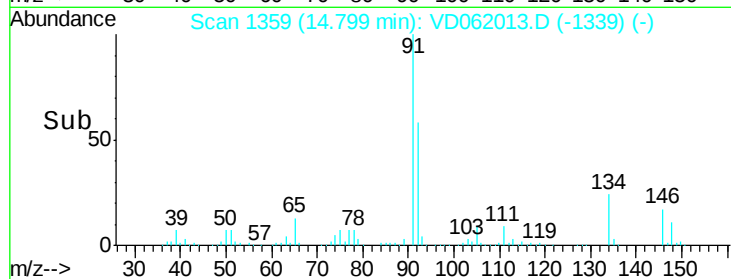
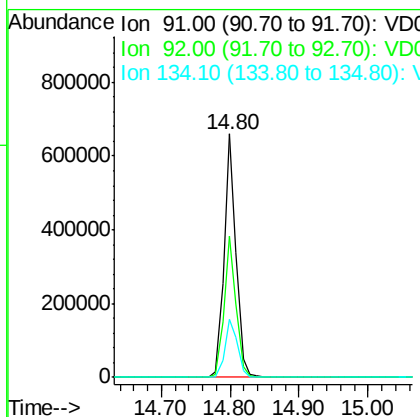
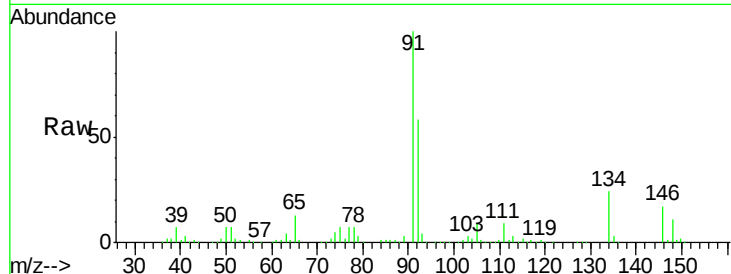
#89
n-Butylbenzene
Concen: 43.135 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	57.9	30.3	91.0
134	23.8	14.5	43.6

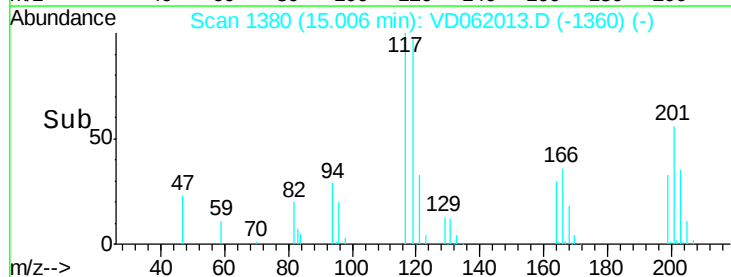
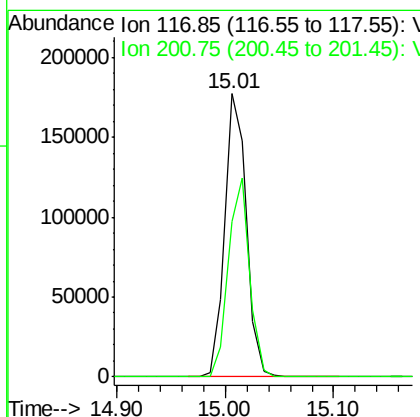
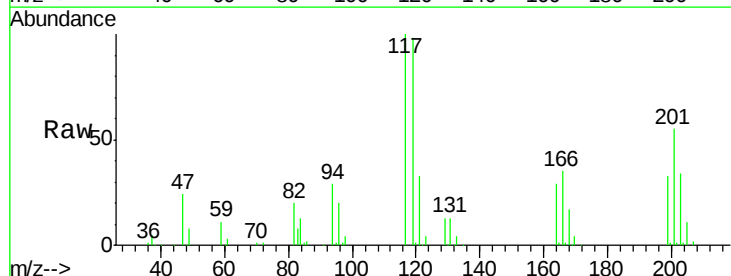
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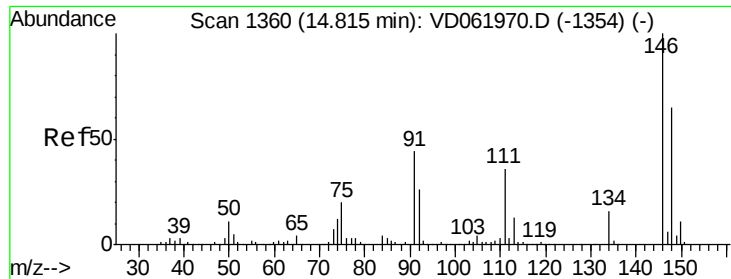
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#90
Hexachloroethane
Concen: 44.582 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	54.8	30.2	90.6





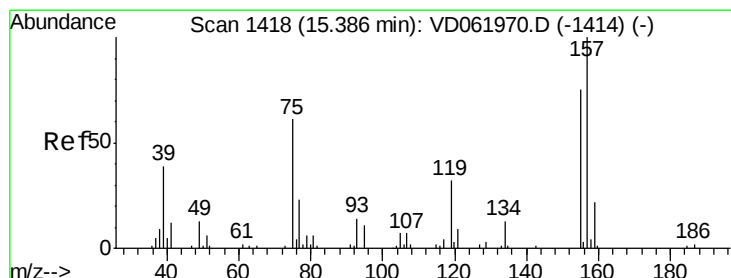
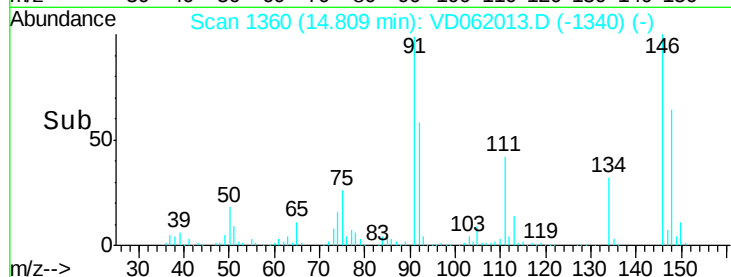
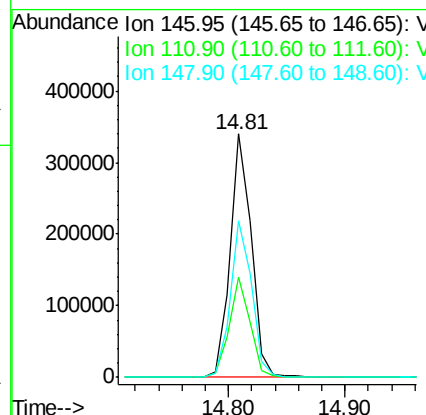
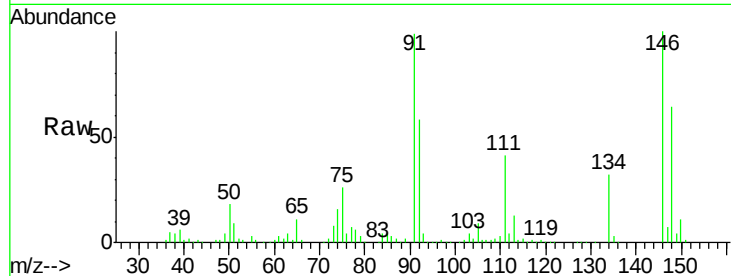
#91
 1,2-Dichlorobenzene
 Concen: 44.945 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD062013.D
 Acq: 25 Apr 2019 00:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.0	59.9
148	64.1	32.3	96.8

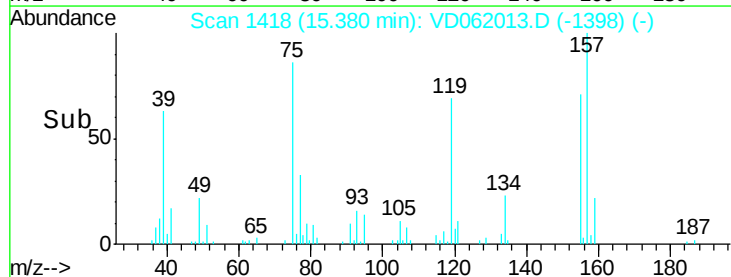
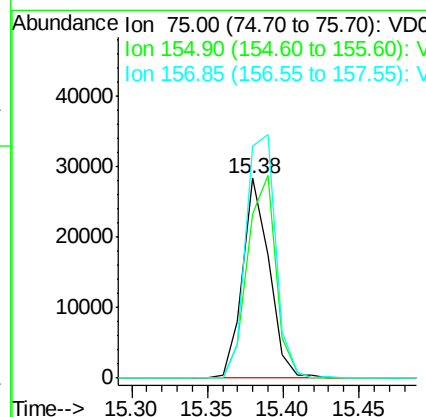
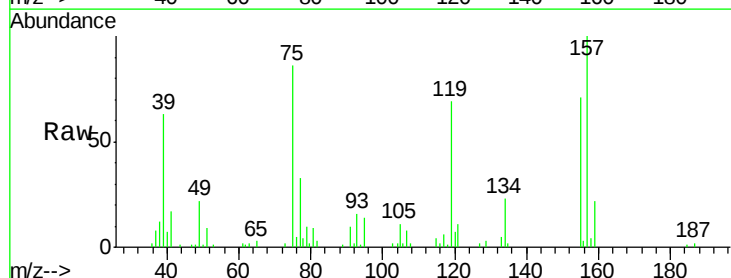
Manual Integrations
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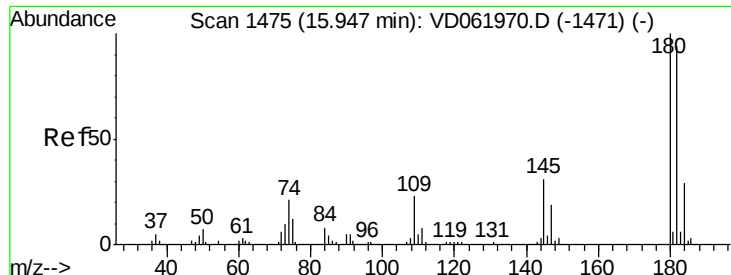
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.794 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD062013.D
 Acq: 25 Apr 2019 00:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.5	55.3	165.8
157	116.4	67.8	203.2





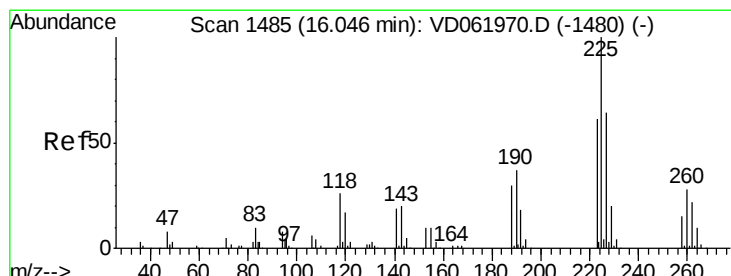
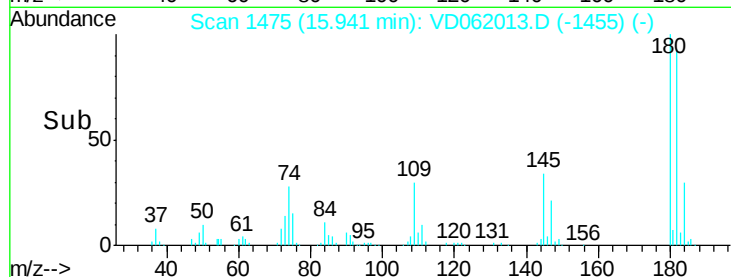
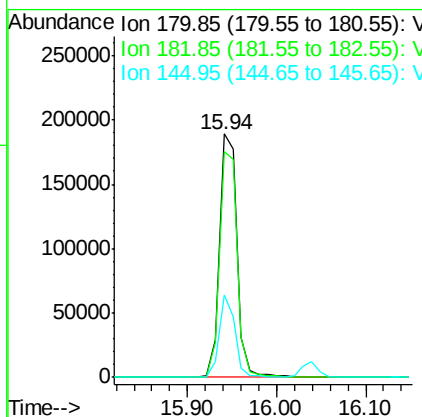
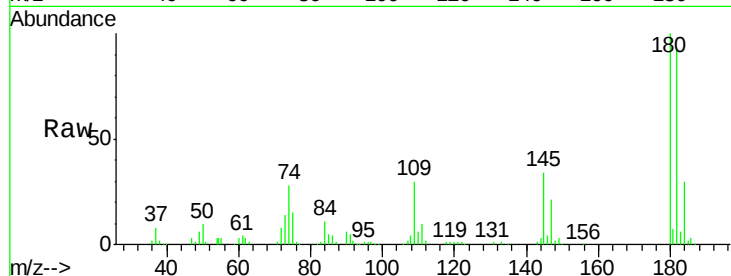
#93
 1,2,4-Trichlorobenzene
 Concen: 50.765 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD062013.D
 Acq: 25 Apr 2019 00:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	260211
Ion Ratio	Lower	Upper	
180	100		
182	92.8	49.3	147.8
145	33.8	16.2	48.6

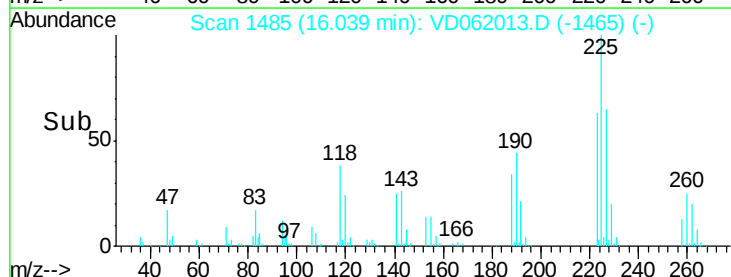
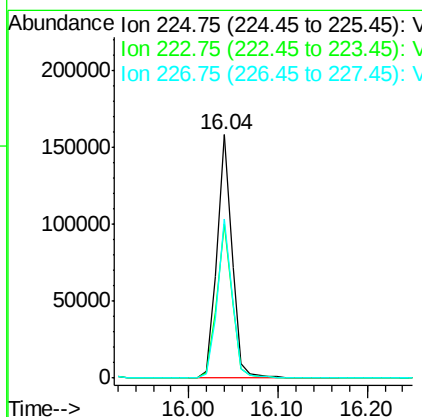
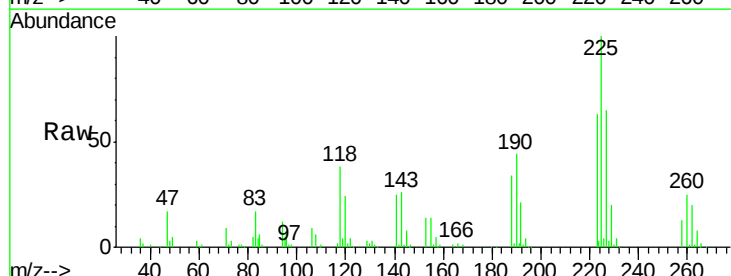
Manual Integrations
 APPROVED

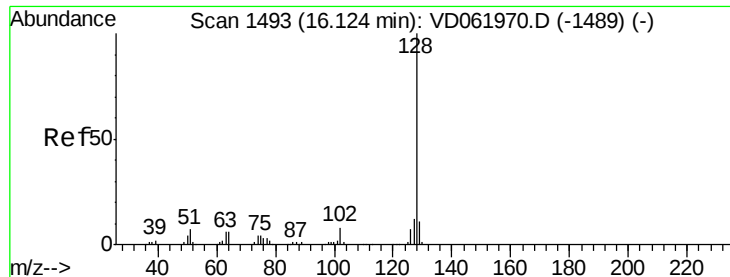
MMDadoda
 4/25/2019 11:04:12 AM



#94
 Hexachlorobutadiene
 Concen: 49.633 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VD062013.D
 Acq: 25 Apr 2019 00:13

Tgt Ion:	225	Resp:	188270
Ion Ratio	Lower	Upper	
225	100		
223	63.2	30.6	92.0
227	65.4	32.0	96.2





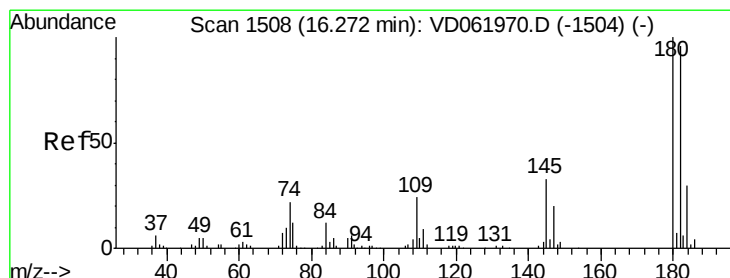
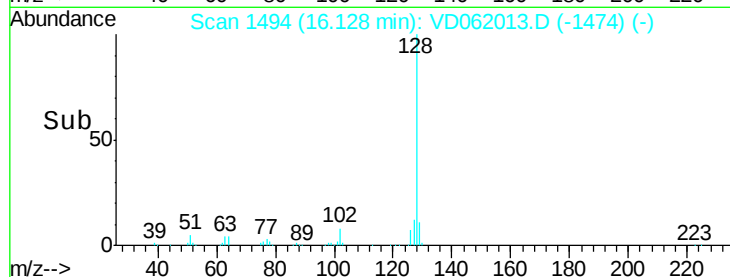
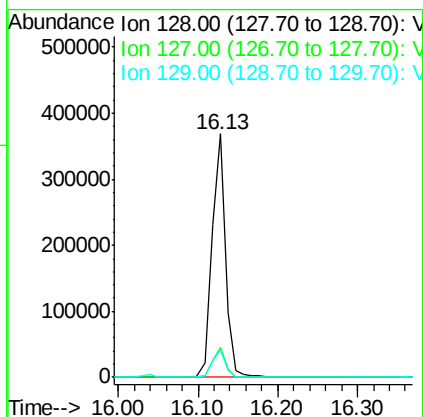
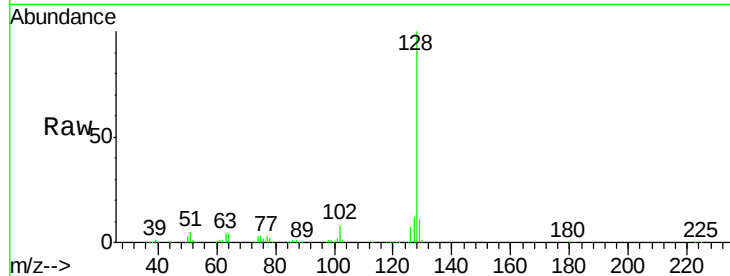
#95
Naphthalene
Concen: 53.449 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	9.8	14.8
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/25/2019 11:04:12 AM



#96
1,2,3-Trichlorobenzene
Concen: 55.498 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD062013.D
Acq: 25 Apr 2019 00:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.2	47.0	141.0
145	28.9	17.0	51.0

