

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020119\
 Data File : VD060812.D
 Acq On : 1 Feb 2019 11:23
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/4/2019 4:42:38 PM

Quant Time: Feb 02 00:30:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 29 13:53:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.79	168	615782	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.97	114	914259	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.15	117	671133	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.31	152	339864	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.22	65	470590	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	
35) Dibromofluoromethane	6.68	113	403202	45.99	ug/l	0.01
Spiked Amount	50.000		Recovery	=	91.98%	
50) Toluene-d8	10.18	98	915115	44.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.38%	
62) 4-Bromofluorobenzene	13.35	95	448935	43.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.60	85	455086	60.784	ug/l	100
3) Chloromethane	1.77	50	228798	51.042	ug/l	95
4) Vinyl Chloride	1.87	62	260911	54.836	ug/l	93
5) Bromomethane	2.17	94	91836	61.100	ug/l	100
6) Chloroethane	2.26	64	128297	80.592	ug/l	91
7) Trichlorofluoromethane	2.51	101	607586	64.870	ug/l	98
8) Diethyl Ether	2.83	74	70448	51.044	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.08	101	300375	63.281	ug/l	95
10) Methyl Iodide	3.23	142	302376	60.845	ug/l	94
11) Tert butyl alcohol	3.93	59	101174	224.258	ug/l #	87
12) 1,1-Dichloroethene	3.07	96	200783	61.900	ug/l	91
13) Acrolein	2.97	56	39679	260.983	ug/l	90
14) Allyl chloride	3.51	41	438501	58.091	ug/l	98
15) Acrylonitrile	4.05	53	221653	219.272	ug/l	98
16) Acetone	3.14	43	397559	291.569	ug/l	98
17) Carbon Disulfide	3.30	76	650807	56.642	ug/l	96
18) Methyl Acetate	3.53	43	132999	49.204	ug/l	95
19) Methyl tert-butyl Ether	4.09	73	730018	49.296	ug/l	97
20) Methylene Chloride	3.69	84	282091	46.745	ug/l	99
21) trans-1,2-Dichloroethene	4.08	96	291954	51.058	ug/l	98
22) Diisopropyl ether	4.90	45	956428	49.169	ug/l	94
23) Vinyl Acetate	4.83	43	2697462	240.808	ug/l	100
24) 1,1-Dichloroethane	4.78	63	681838	53.545	ug/l	99
25) 2-Butanone	5.84	43	402020	230.353	ug/l	96
26) 2,2-Dichloropropane	5.80	77	800303	59.647	ug/l	99
27) cis-1,2-Dichloroethene	5.80	96	315511	48.447	ug/l	90
28) Bromochloromethane	6.20	49	241415	48.598	ug/l	93
29) Tetrahydrofuran	6.23	42	186133	222.089	ug/l	98
30) Chloroform	6.43	83	789395	52.449	ug/l	96
31) Cyclohexane	6.72	56	473984	54.707	ug/l	96
32) 1,1,1-Trichloroethane	6.64	97	845311	58.322	ug/l	99
36) 1,1-Dichloropropene	6.91	75	551394	50.512	ug/l	99
37) Ethyl Acetate	5.94	43	199747	40.992	ug/l	97
38) Carbon Tetrachloride	6.87	117	746298	54.520	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.62	83	474938	51.953	ug/l	92
40) Benzene	7.22	78	970938	45.066	ug/l	97
41) Methacrylonitrile	6.21	41	118999m	38.453	ug/l	
42) 1,2-Dichloroethane	7.34	62	626483	50.054	ug/l	98
43) Isopropyl Acetate	9.00	43	272740	42.914	ug/l #	97
44) Trichloroethene	8.30	130	366046	50.118	ug/l	98
45) 1,2-Dichloropropane	8.70	63	280525	48.100	ug/l	100
46) Dibromomethane	8.83	93	221537	48.932	ug/l	94
47) Bromodichloromethane	9.14	83	612122	50.090	ug/l	98
48) Methyl methacrylate	8.88	41	192580	43.941	ug/l	94
49) 1,4-Dioxane	8.85	88	28953	769.952	ug/l	99
51) 4-Methyl-2-Pentanone	10.07	43	885299	215.100	ug/l	99
52) Toluene	10.28	92	626738	45.860	ug/l	98
53) t-1,3-Dichloropropene	10.68	75	506382	47.108	ug/l	95
54) cis-1,3-Dichloropropene	9.80	75	529715	48.055	ug/l	96
55) 1,1,2-Trichloroethane	10.96	97	210827	45.247	ug/l	99
56) Ethyl methacrylate	10.81	69	234844	41.606	ug/l	93
57) 1,3-Dichloropropane	11.18	76	358502	45.020	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.62	63	640747	216.353	ug/l	97
59) 2-Hexanone	11.31	43	669204	216.246	ug/l	97
60) Dibromochloromethane	11.46	129	385417	46.011	ug/l	100
61) 1,2-Dibromoethane	11.59	107	241719	44.050	ug/l	99
64) Tetrachloroethene	11.03	164	302114	49.049	ug/l	96
65) Chlorobenzene	12.18	112	730371	47.622	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.30	131	341941	51.894	ug/l	99
67) Ethyl Benzene	12.31	91	1466795	53.186	ug/l	99
68) m/p-Xylenes	12.45	106	904643	100.824	ug/l	96
69) o-Xylene	12.84	106	403179	45.401	ug/l	90
70) Styrene	12.86	104	700802	47.059	ug/l	95
71) Bromoform	13.02	173	216583	43.626	ug/l	96
73) Isopropylbenzene	13.19	105	1426585	52.646	ug/l	99
74) N-amyl acetate	13.05	43	336669	40.414	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.50	83	213884	43.349	ug/l	98
76) 1,2,3-Trichloropropane	13.53	75	280912	45.074	ug/l	99
77) Bromobenzene	13.46	156	334451	48.014	ug/l	86
78) n-propylbenzene	13.57	91	1792627	52.698	ug/l	97
79) 2-Chlorotoluene	13.63	91	1084546	52.272	ug/l	95
80) 1,3,5-Trimethylbenzene	14.03	105	1240783	53.189	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.26	75	68517	42.169	ug/l	86
82) 4-Chlorotoluene	13.74	91	1185440	51.407	ug/l	95
83) tert-Butylbenzene	13.98	119	1272262	52.128	ug/l	97
84) 1,2,4-Trimethylbenzene	14.03	105	1240783	53.189	ug/l	98
85) sec-Butylbenzene	14.16	105	1495104	53.815	ug/l	99
86) p-Isopropyltoluene	14.28	119	1275704	56.557	ug/l	98
87) 1,3-Dichlorobenzene	14.25	146	607757	48.781	ug/l	96
88) 1,4-Dichlorobenzene	14.33	146	578798	47.813	ug/l	98
89) n-Butylbenzene	14.59	91	1169078	49.676	ug/l	98
90) Hexachloroethane	14.81	117	357336	53.236	ug/l	95
91) 1,2-Dichlorobenzene	14.61	146	453765	43.879	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.18	75	57842	49.345	ug/l	83

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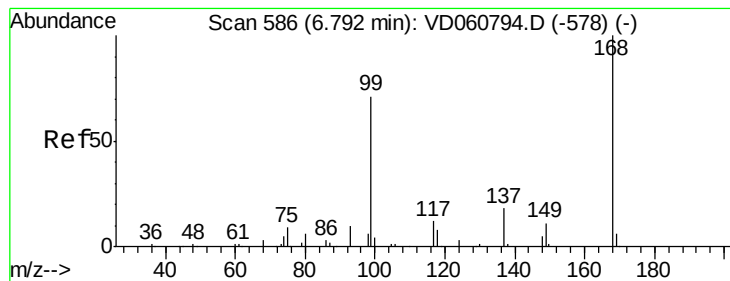
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.74	180	425900	47.563	ug/l	99
94) Hexachlorobutadiene	15.84	225	350429	52.159	ug/l	99
95) Naphthalene	15.92	128	588723	42.791	ug/l	99
96) 1,2,3-Trichlorobenzene	16.07	180	327351	42.042	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.79 min Scan# 586

Delta R.T. 0.00 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 615782

Ion Ratio Lower Upper

168 100

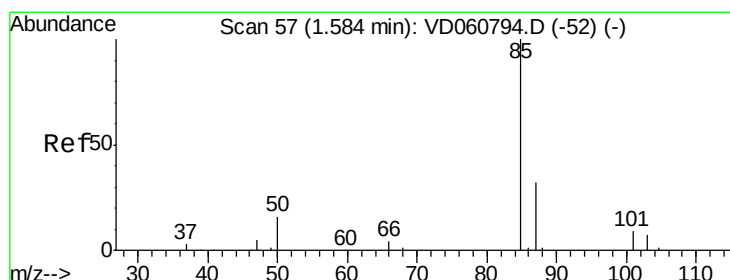
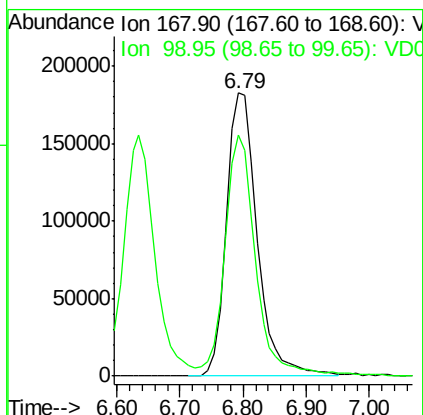
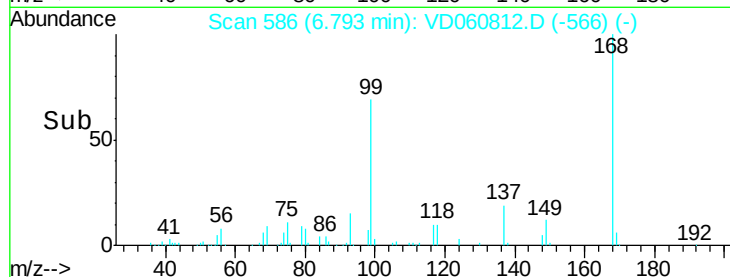
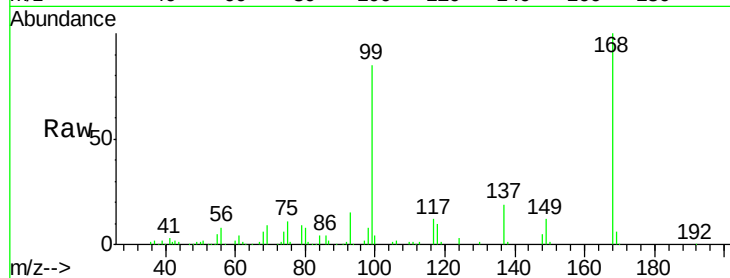
99 85.2 59.2 88.8

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 60.784 ug/l

RT: 1.60 min Scan# 59

Delta R.T. 0.02 min

Lab File: VD060812.D

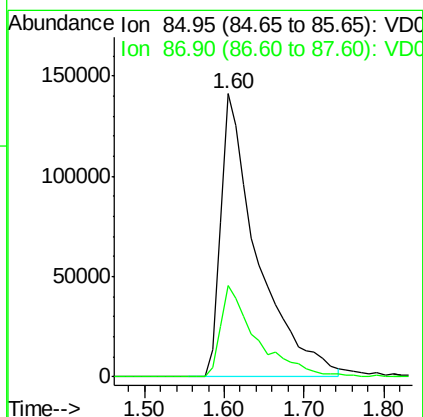
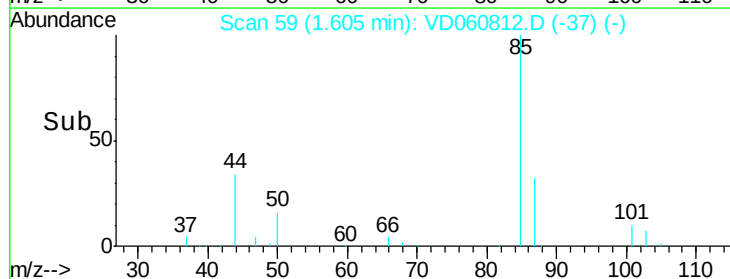
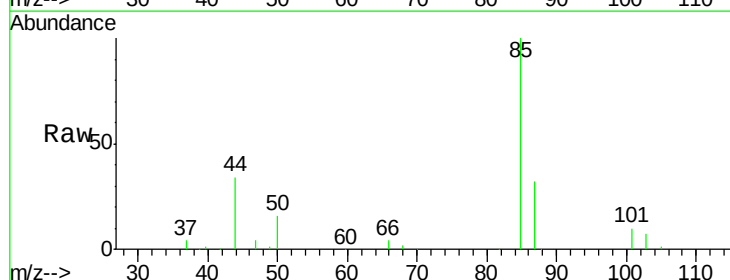
Acq: 1 Feb 2019 11:23

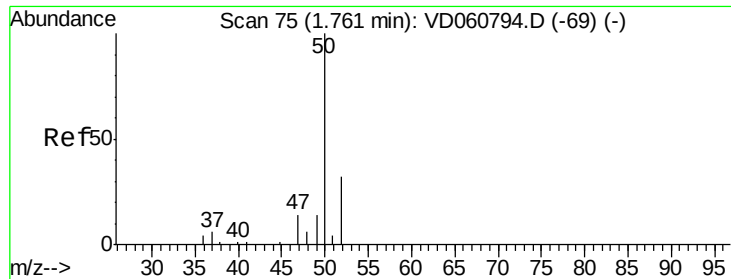
Tgt Ion: 85 Resp: 455086

Ion Ratio Lower Upper

85 100

87 32.5 16.2 48.5





#3

Chloromethane

Concen: 51.042 ug/l

RT: 1.77 min Scan# 76

Delta R.T. 0.01 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 228798

Ion Ratio Lower Upper

50 100

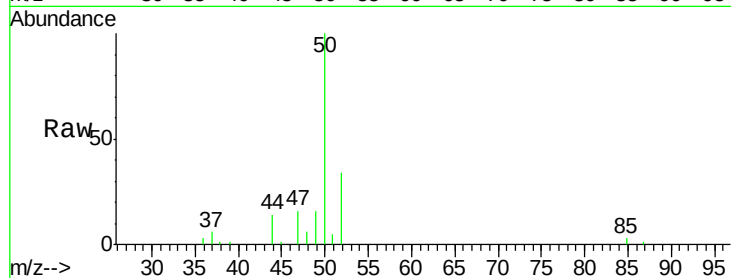
52 34.1 25.2 37.8

Manual Integrations

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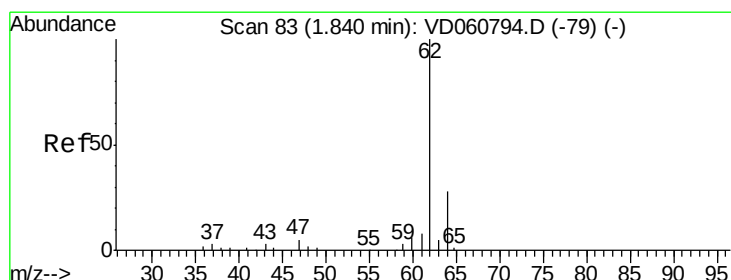
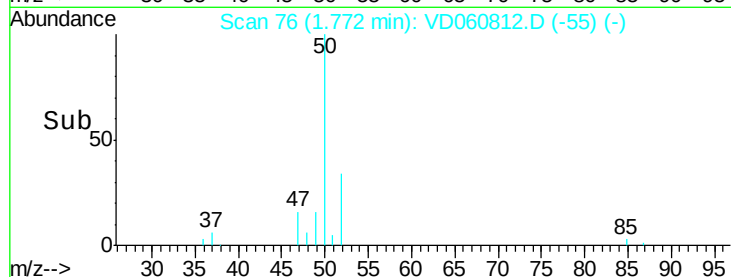
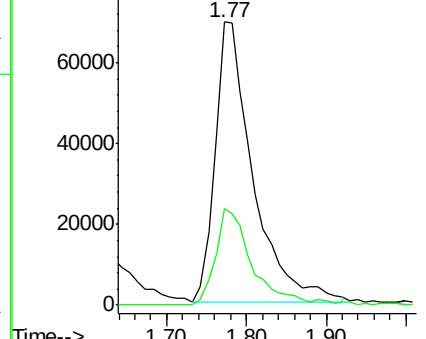
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 54.836 ug/l

RT: 1.87 min Scan# 86

Delta R.T. 0.03 min

Lab File: VD060812.D

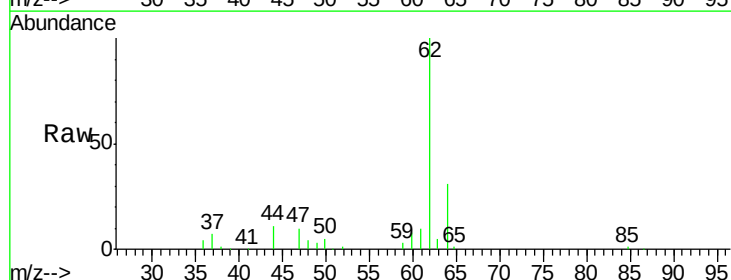
Acq: 1 Feb 2019 11:23

Tgt Ion: 62 Resp: 260911

Ion Ratio Lower Upper

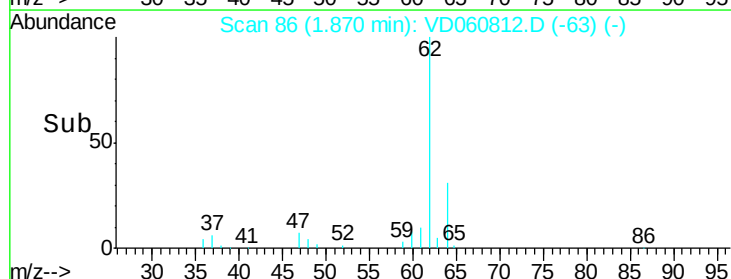
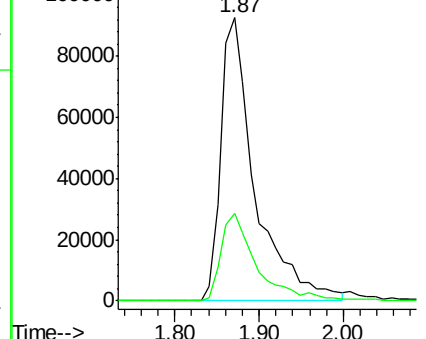
62 100

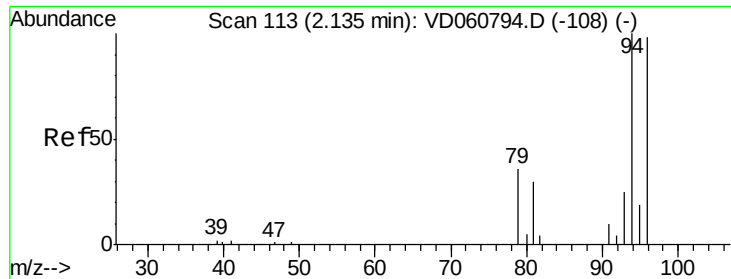
64 31.1 22.1 33.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 61.100 ug/l

RT: 2.17 min Scan# 116

Delta R.T. 0.03 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 91836

Ion Ratio Lower Upper

94 100

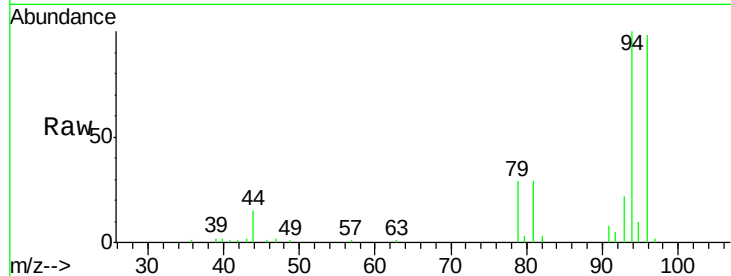
96 97.9 78.0 117.0

Manual Integrations

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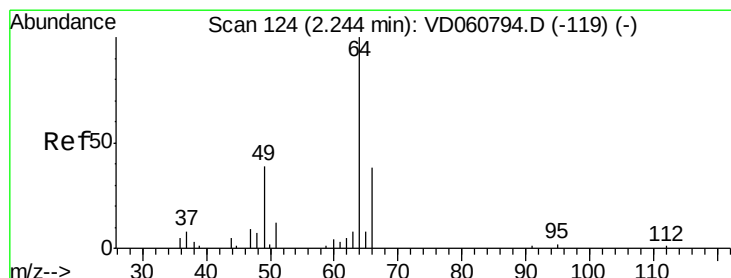
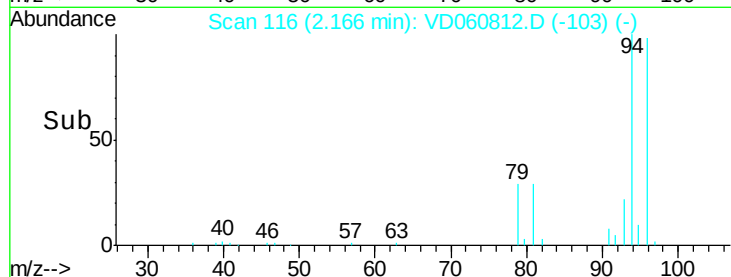
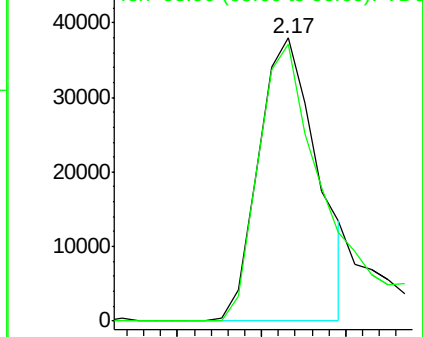
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 80.592 ug/l

RT: 2.26 min Scan# 126

Delta R.T. 0.02 min

Lab File: VD060812.D

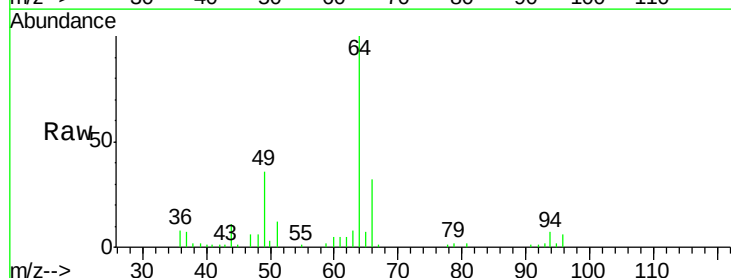
Acq: 1 Feb 2019 11:23

Tgt Ion: 64 Resp: 128297

Ion Ratio Lower Upper

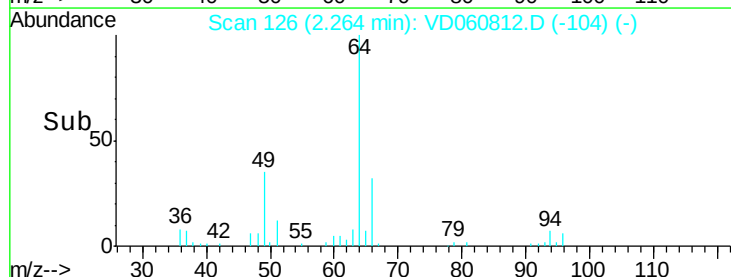
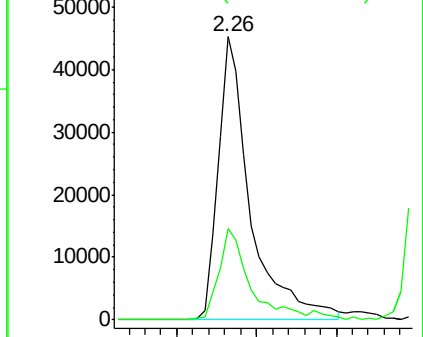
64 100

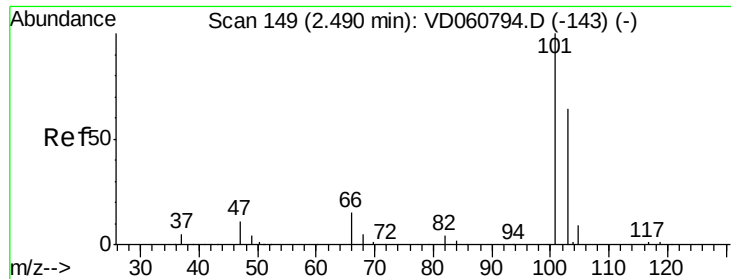
66 32.4 30.2 45.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

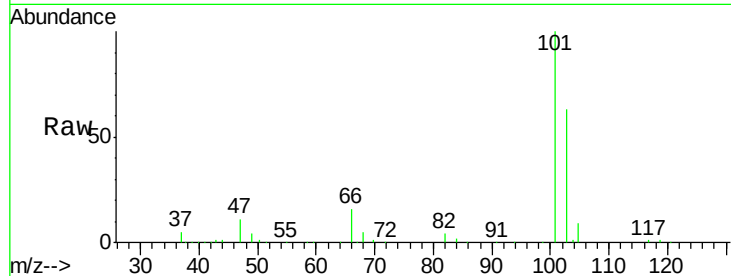
Trichlorofluoromethane
Concen: 64.870 ug/l
RT: 2.51 min Scan# 151
Delta R.T. 0.02 min
Lab File: VD060812.D
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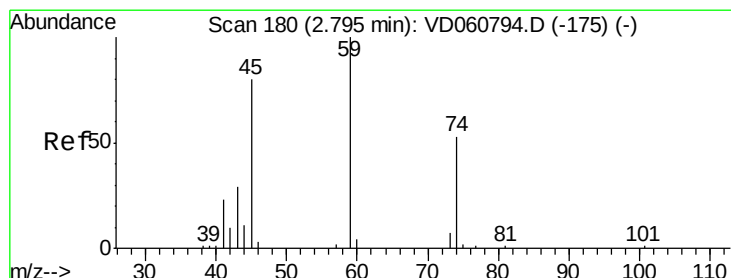
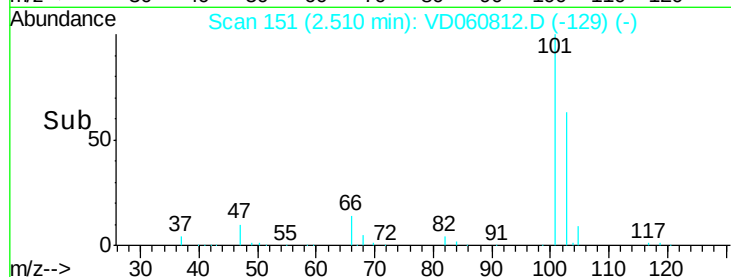
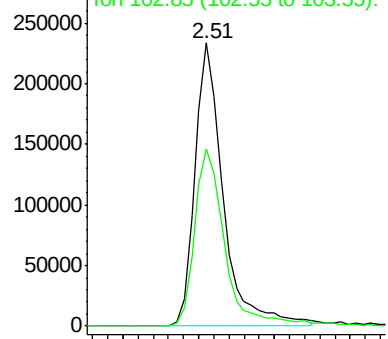
Tot Ion:101 Resp: 607586
Ion Ratio Lower Upper
101 100
103 62.6 51.3 76.9

Manual Integrations
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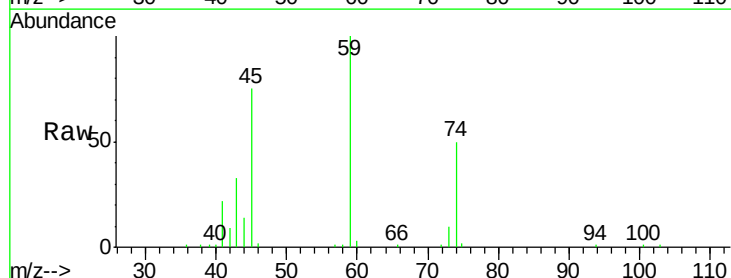
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



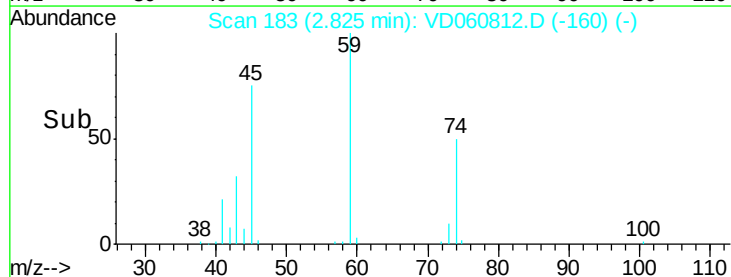
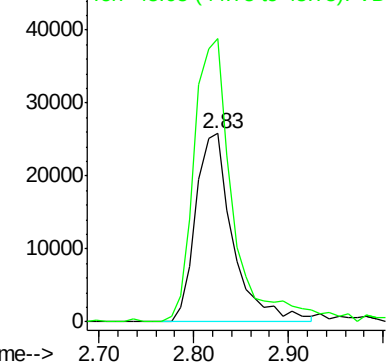
#8

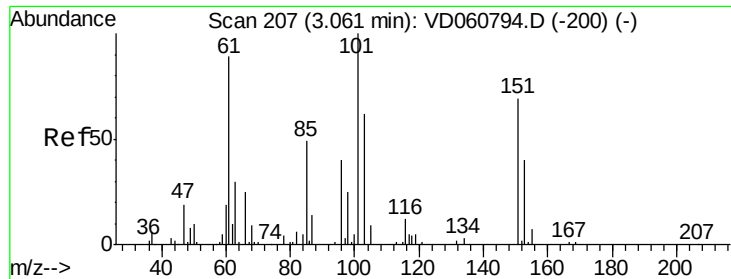
Diethyl Ether
Concen: 51.044 ug/l
RT: 2.83 min Scan# 183
Delta R.T. 0.03 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Tgt Ion: 74 Resp: 70448
Ion Ratio Lower Upper
74 100
45 150.1 75.6 226.8



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 63.281 ug/l

RT: 3.08 min Scan# 209

Delta R.T. 0.02 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Instrument :

MSVOA_D

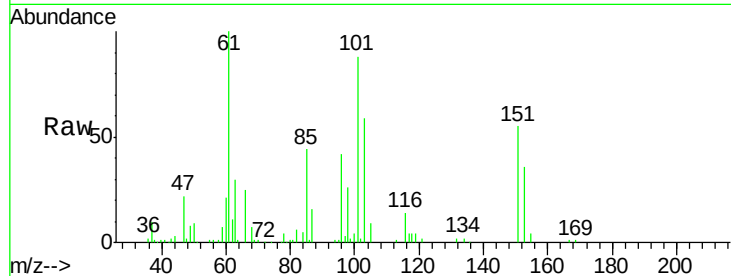
ClientSampleId :

VSTDCCC050

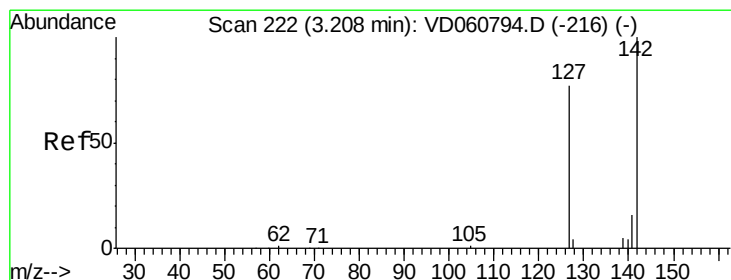
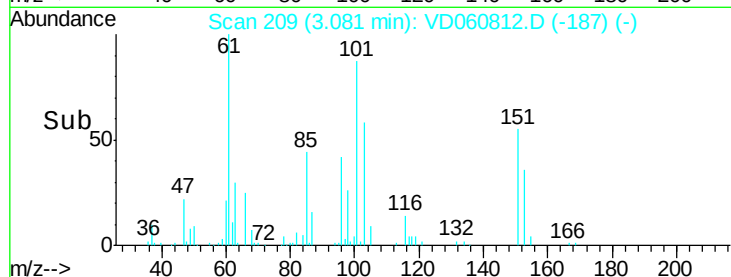
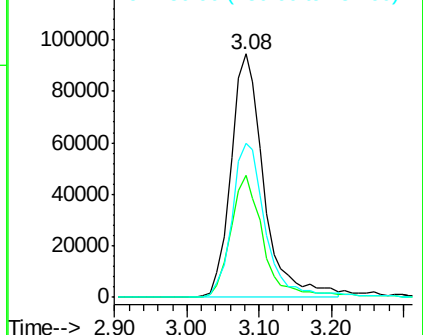
Tot Ion:	101	Resp:	300375
Ion Ratio	Lower	Upper	
101	100		
85	49.9	39.3	58.9
151	63.3	55.1	82.7

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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: 60.845 ug/l

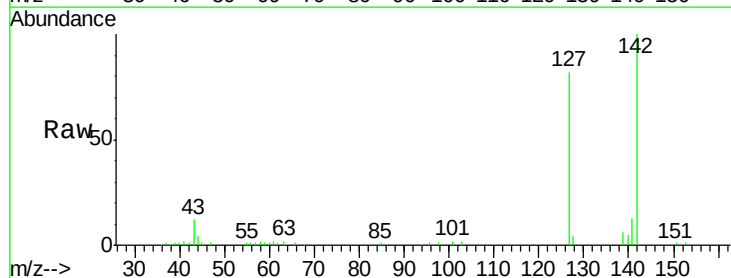
RT: 3.23 min Scan# 224

Delta R.T. 0.02 min

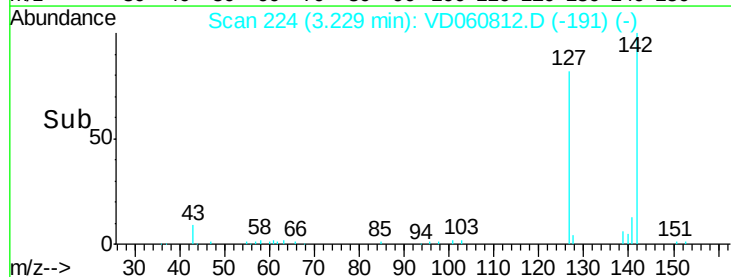
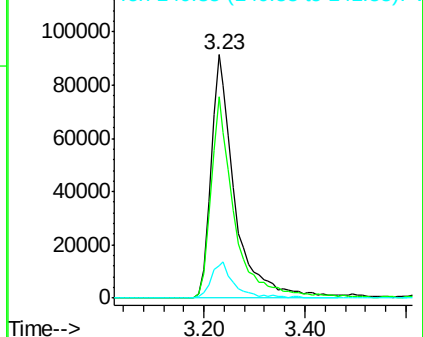
Lab File: VD060812.D

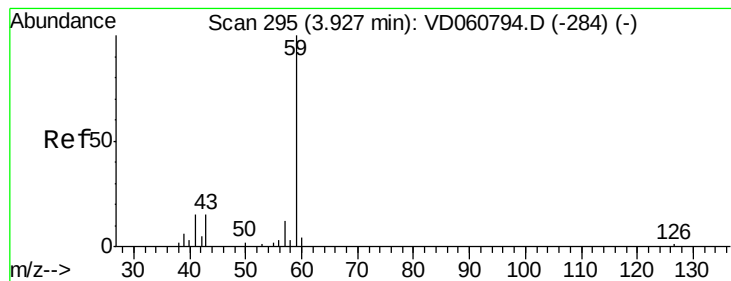
Acq: 1 Feb 2019 11:23

Tgt Ion:	142	Resp:	302376
Ion Ratio	Lower	Upper	
142	100		
127	82.5	61.6	92.4
141	13.1	12.5	18.7



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

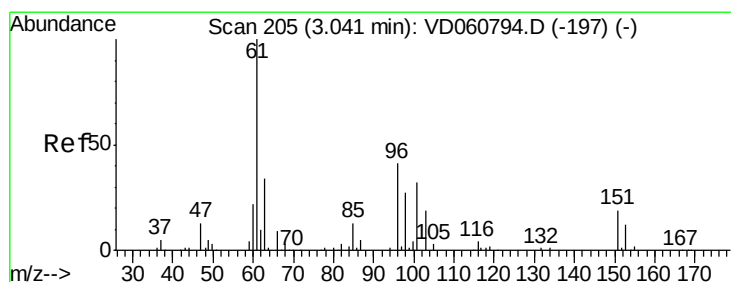
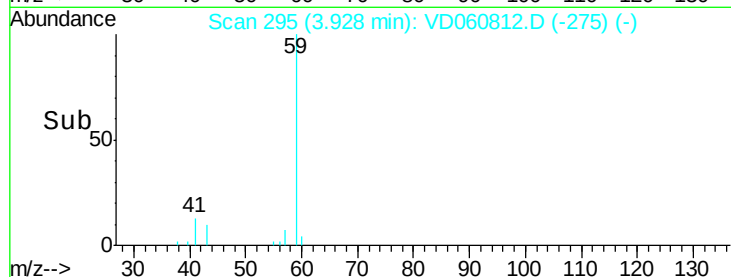
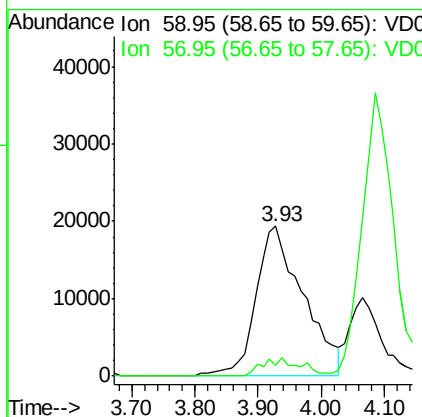
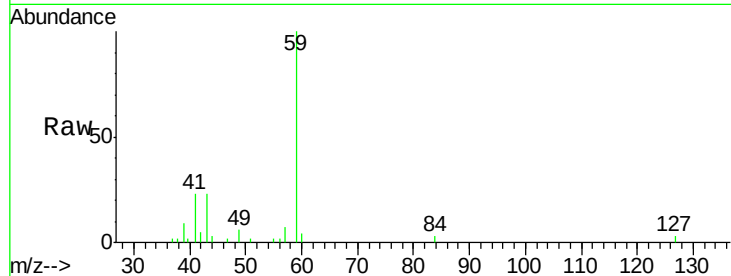
Tert butyl alcohol
 Concen: 224.258 ug/l
 RT: 3.93 min Scan# 295
 Delta R.T. 0.00 min
 Lab File: VD060812.D
 Acq: 1 Feb 2019 11:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.3	9.8	14.6#

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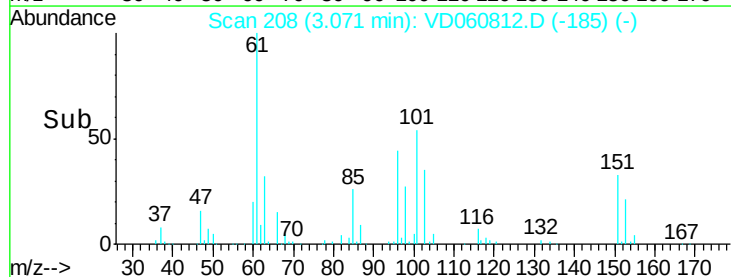
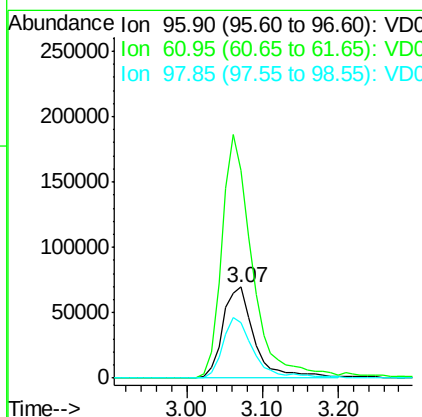
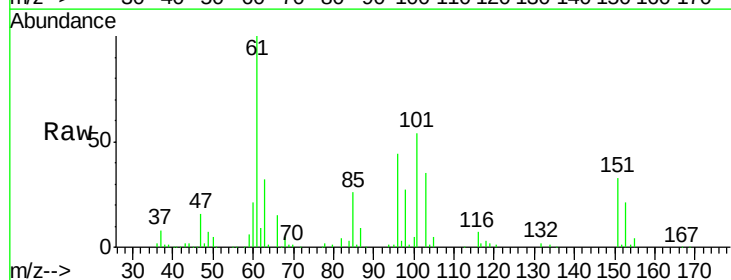
MMDadoda
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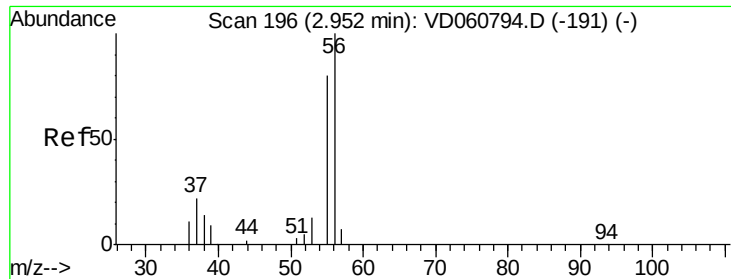


#12

1,1-Dichloroethene
 Concen: 61.900 ug/l
 RT: 3.07 min Scan# 208
 Delta R.T. 0.03 min
 Lab File: VD060812.D
 Acq: 1 Feb 2019 11:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	227.7	195.1	292.7
98	61.3	52.5	78.7





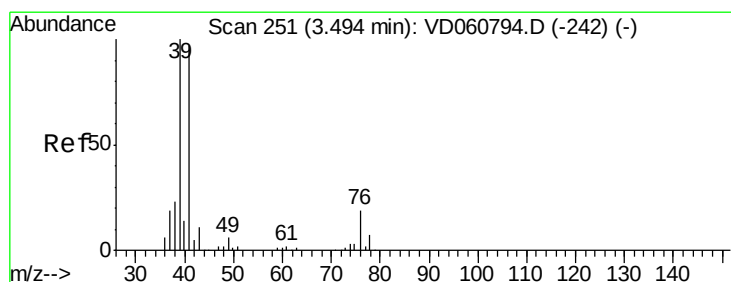
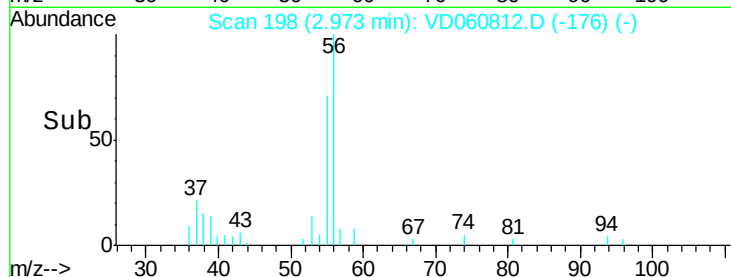
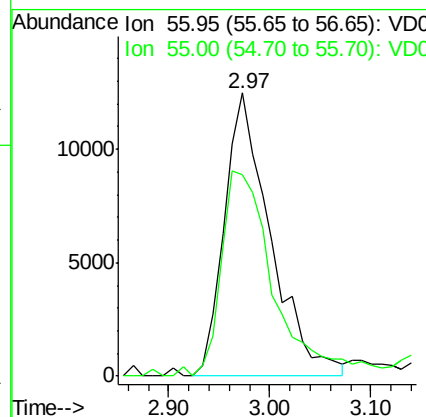
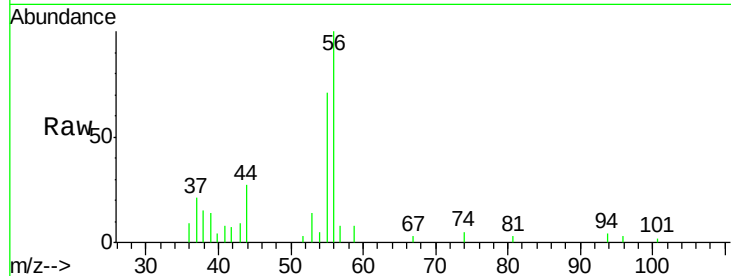
#13
Acrolein
Concen: 260.983 ug/l
RT: 2.97 min Scan# 198
Delta R.T. 0.02 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	39679
Ion Ratio	100	Lower	Upper
55	71.1	64.2	96.2

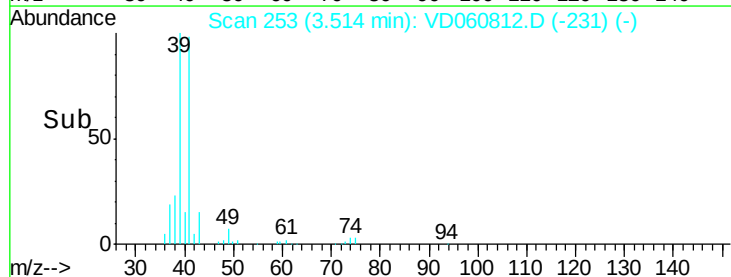
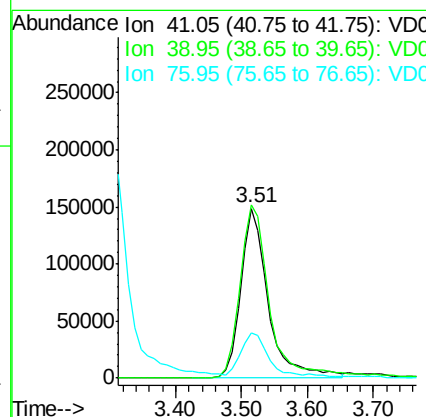
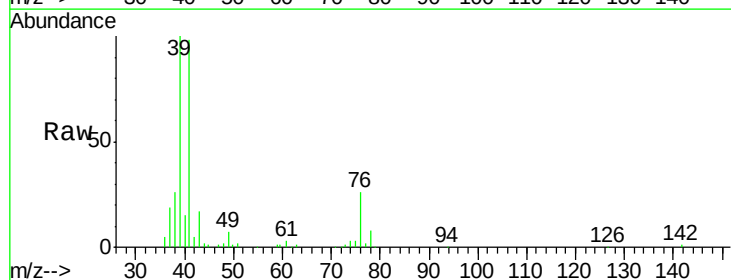
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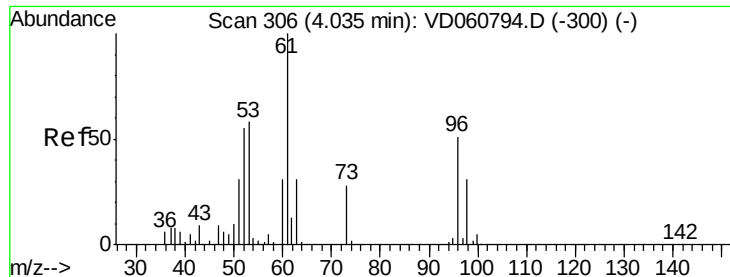
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2/4/2019 4:42:38 PM



#14
Allyl chloride
Concen: 58.091 ug/l
RT: 3.51 min Scan# 253
Delta R.T. 0.02 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Tgt Ion	41	Resp	438501
Ion Ratio	100	Lower	Upper
39	102.4	82.6	123.8
76	26.7	18.9	28.3





#15

Acrylonitrile

Concen: 219.272 ug/l

RT: 4.05 min Scan# 307

Delta R.T. 0.01 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Instrument :

MSVOA_D

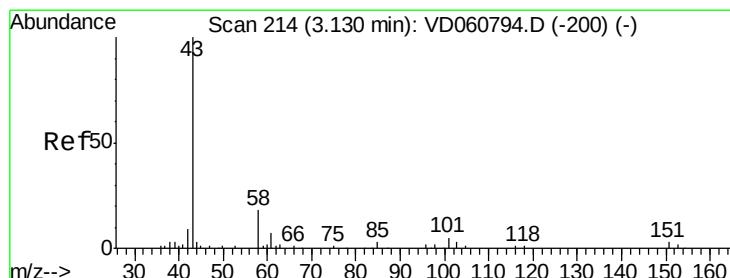
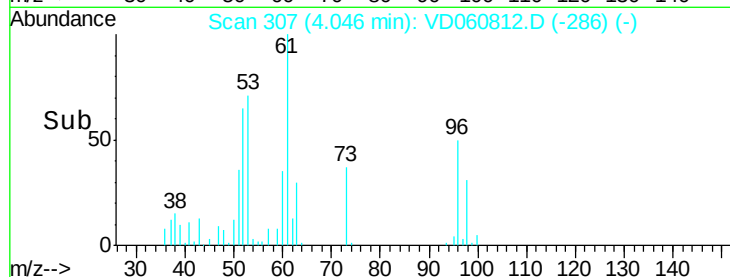
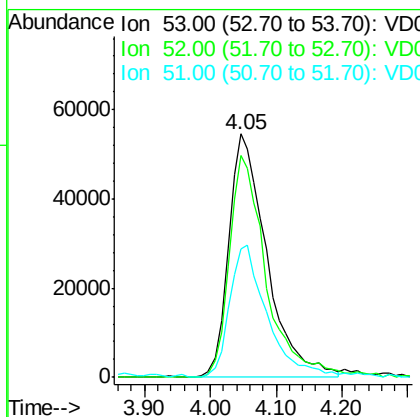
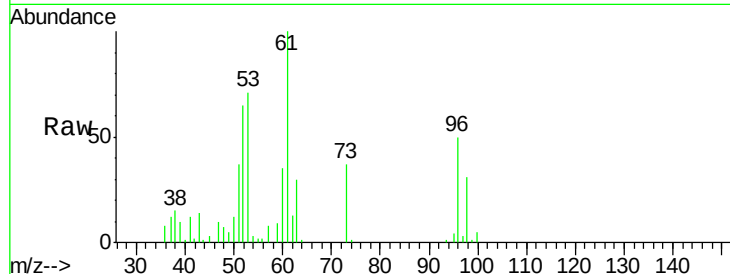
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	221653
Ion Ratio	Lower	Upper	
53	100		
52	91.4	75.4	113.2
51	52.7	42.5	63.7

Manual Integrations
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#16

Acetone

Concen: 291.569 ug/l

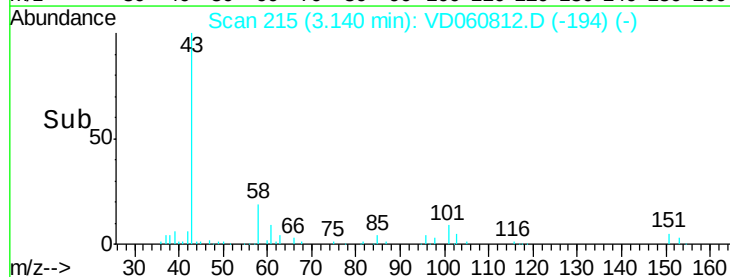
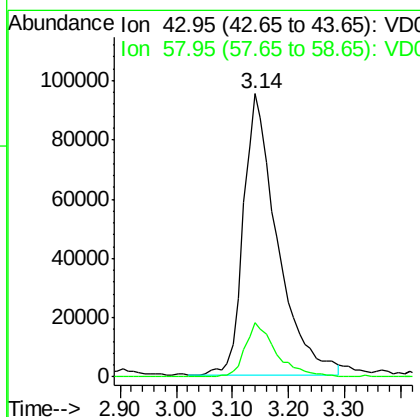
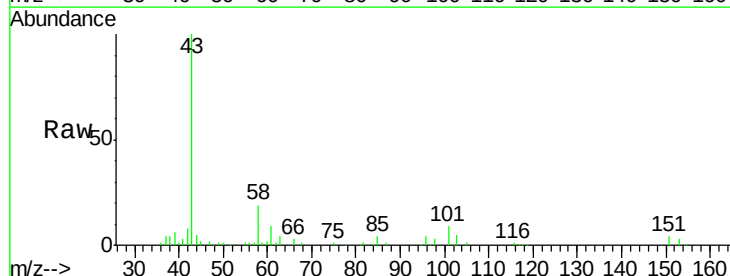
RT: 3.14 min Scan# 215

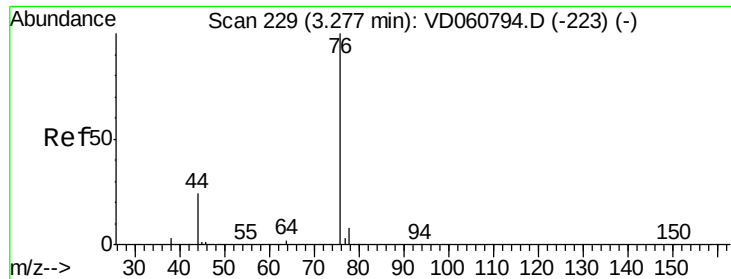
Delta R.T. 0.01 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Tgt Ion:	43	Resp:	397559
Ion Ratio	Lower	Upper	
43	100		
58	19.1	14.5	21.7





#17

Carbon Disulfide

Concen: 56.642 ug/l

RT: 3.30 min Scan# 231

Delta R.T. 0.02 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Tot Ion	Ratio	Resp	Lower	Upper
76	100	650807		
78	9.4		6.5	9.7

Instrument :

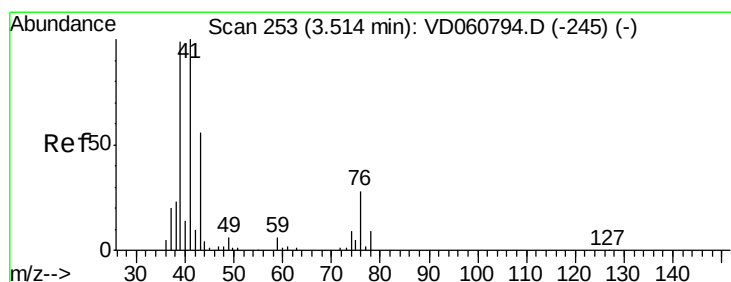
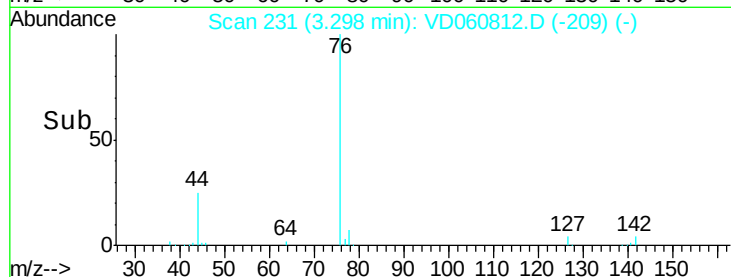
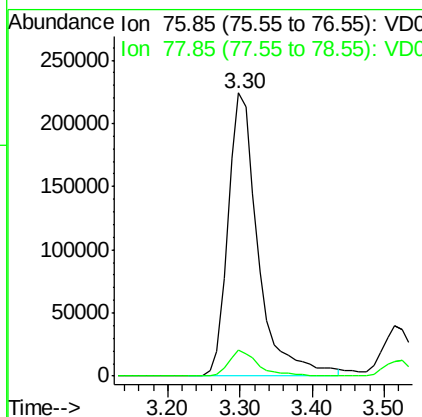
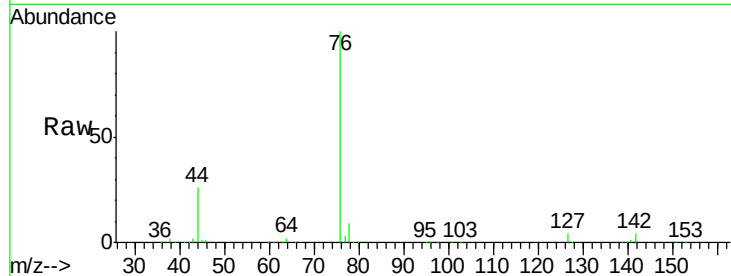
MSVOA_D

ClientSampleId :

VSTDCCC050

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#18

Methyl Acetate

Concen: 49.204 ug/l

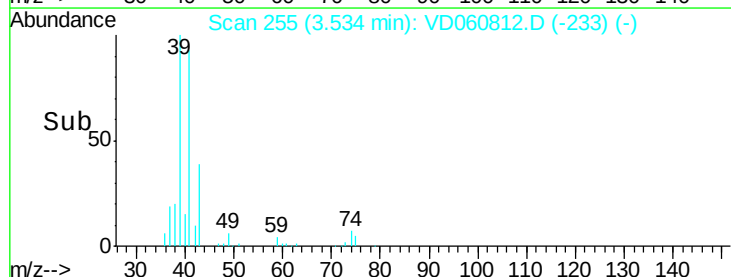
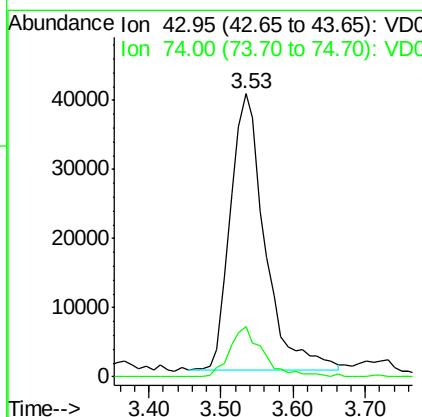
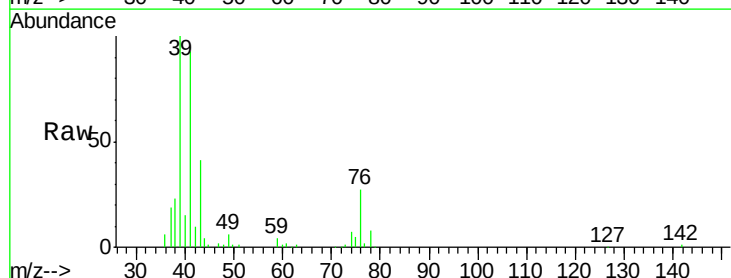
RT: 3.53 min Scan# 255

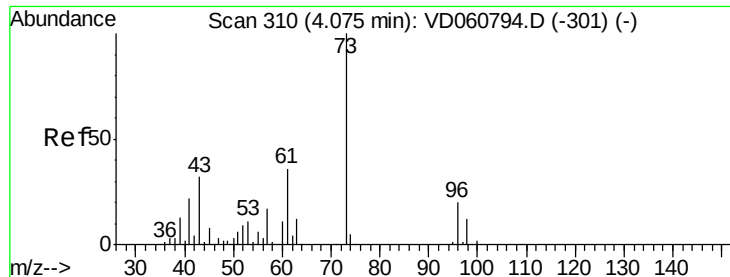
Delta R.T. 0.02 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	132999		
74	17.7		12.5	18.7





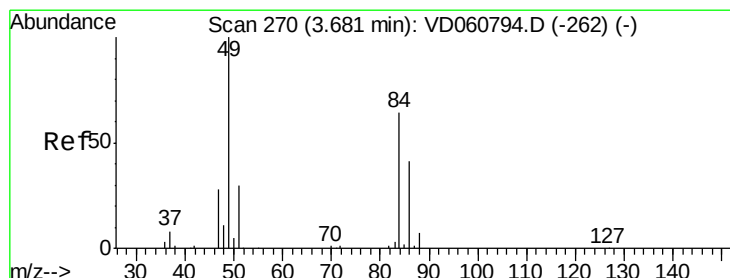
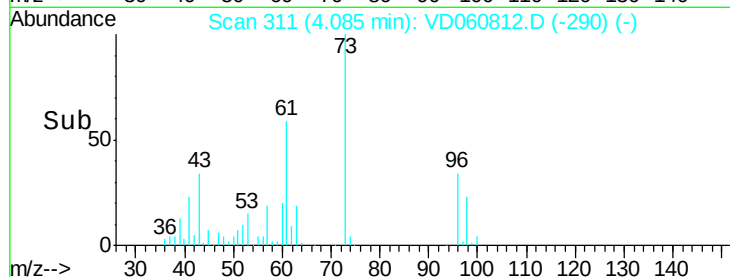
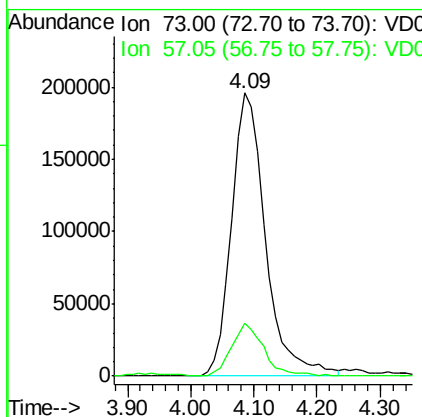
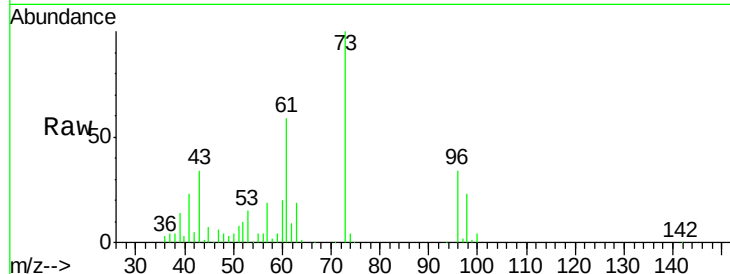
#19
Methyl tert-butyl Ether
Concen: 49.296 ug/l
RT: 4.09 min Scan# 311
Delta R.T. 0.01 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 730018
Ion Ratio Lower Upper
73 100
57 18.7 14.0 21.0

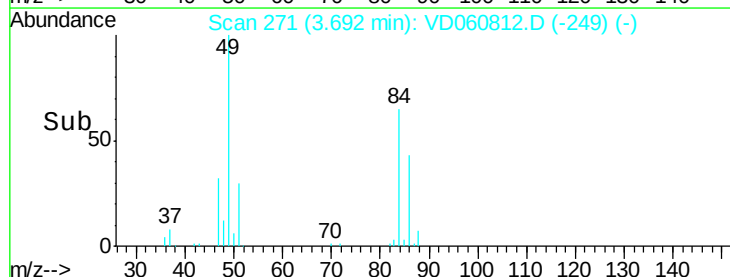
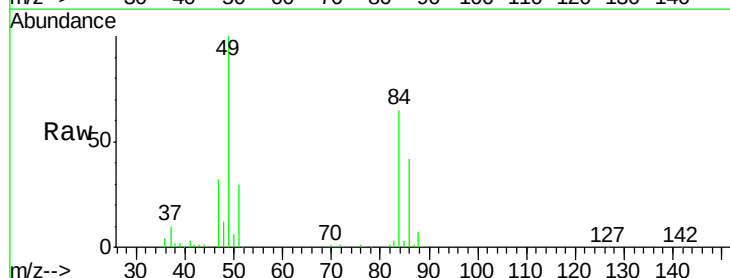
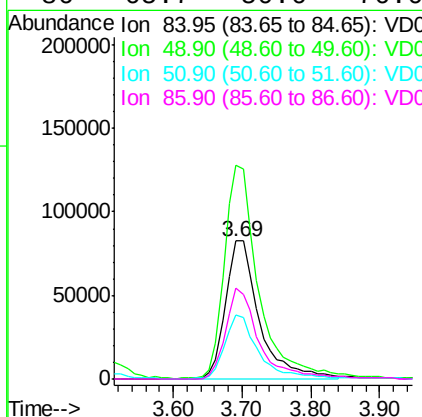
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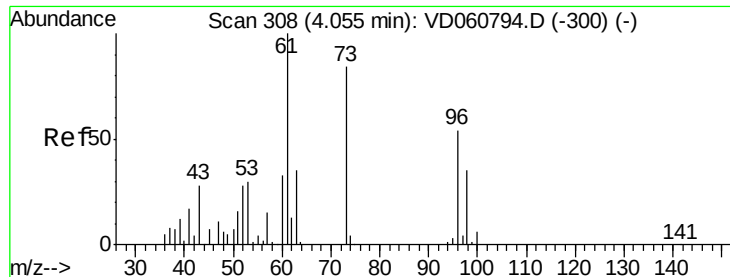
MMDadoda
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#20
Methylene Chloride
Concen: 46.745 ug/l
RT: 3.69 min Scan# 271
Delta R.T. 0.01 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Tgt Ion: 84 Resp: 282091
Ion Ratio Lower Upper
84 100
49 154.8 124.2 186.2
51 46.5 38.1 57.1
86 65.7 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 51.058 ug/l

RT: 4.08 min Scan# 310

Delta R.T. 0.02 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Instrument :

MSVOA_D

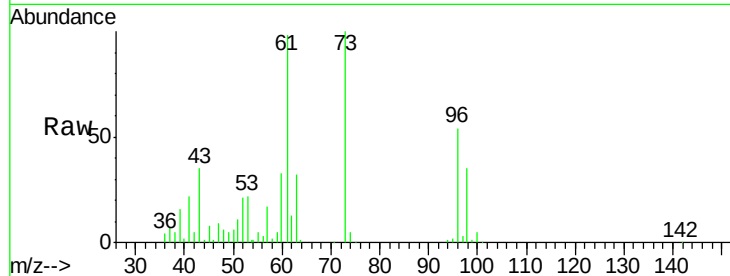
ClientSampleId :

VSTDCCC050

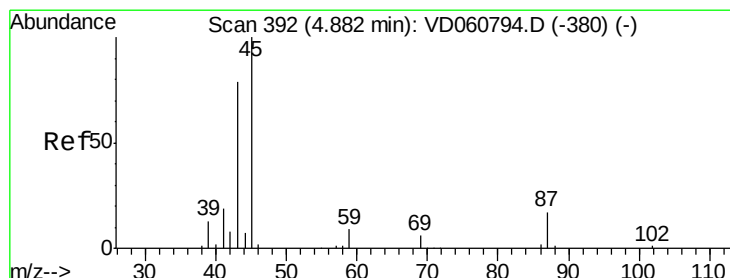
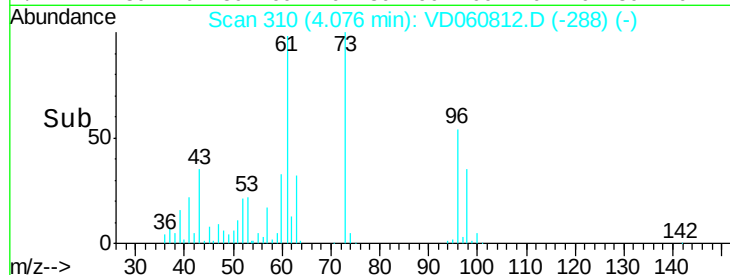
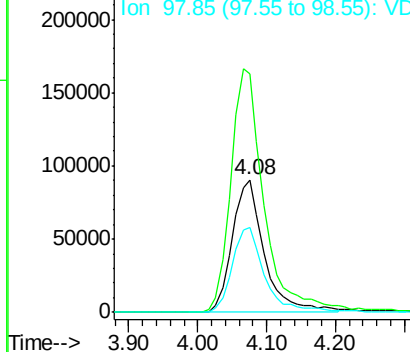
Tot Ion:	96	Resp:	291954
Ion	Ratio	Lower	Upper
96	100		
61	179.9	147.4	221.2
98	64.1	51.5	77.3

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



#22

Diisopropyl ether

Concen: 49.169 ug/l

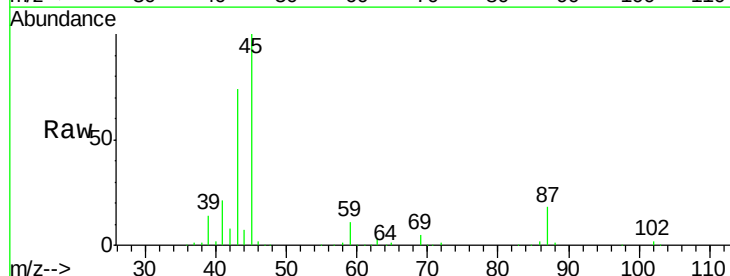
RT: 4.90 min Scan# 394

Delta R.T. 0.02 min

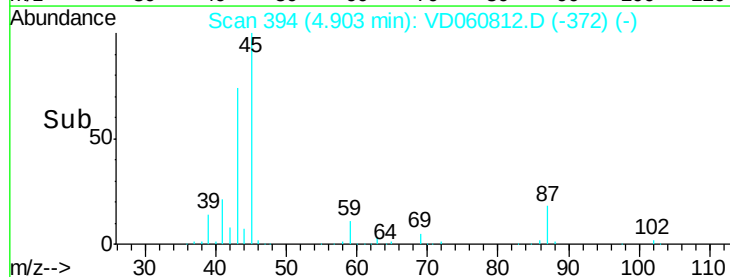
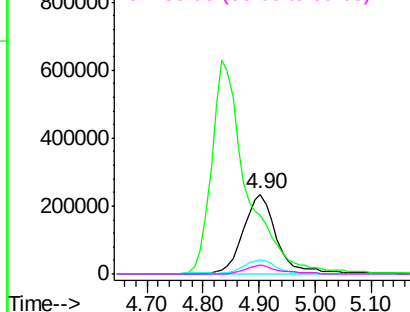
Lab File: VD060812.D

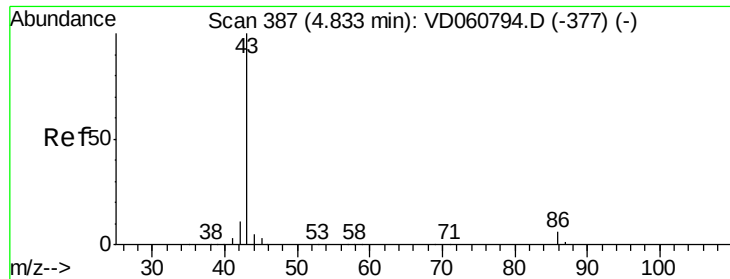
Acq: 1 Feb 2019 11:23

Tgt Ion:	45	Resp:	956428
Ion	Ratio	Lower	Upper
45	100		
43	73.5	64.3	96.5
87	17.7	14.3	21.5
59	10.7	7.8	11.8



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 240.808 ug/l

RT: 4.83 min Scan# 387

Delta R.T. 0.00 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2697462

Ion Ratio Lower Upper

43 100

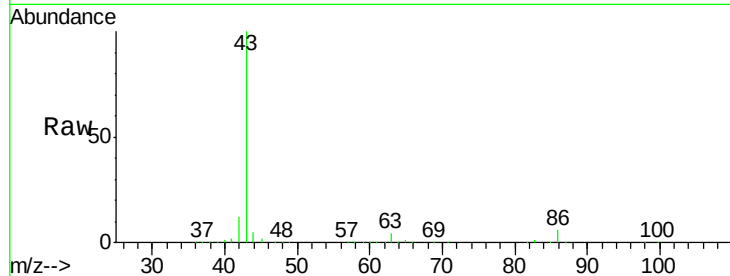
86 5.9 4.7 7.1

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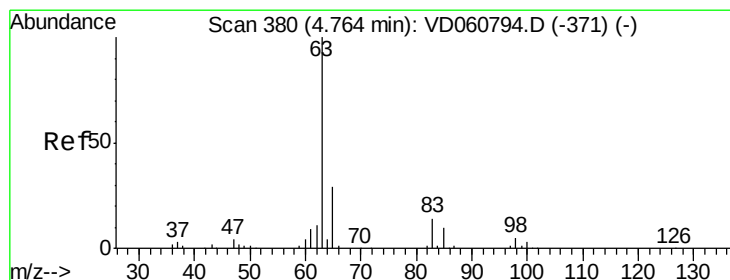
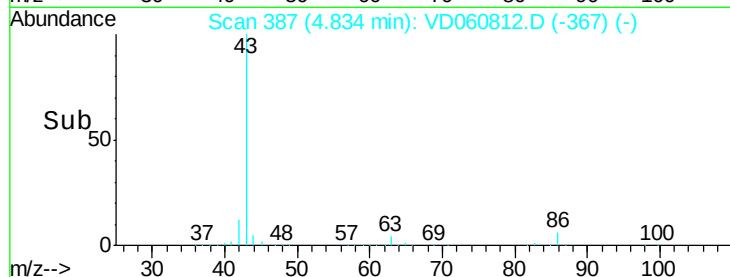
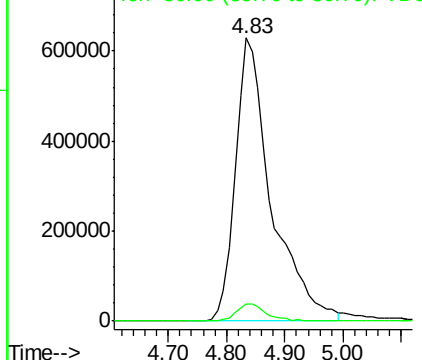
MMDadoda

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 53.545 ug/l

RT: 4.78 min Scan# 382

Delta R.T. 0.02 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

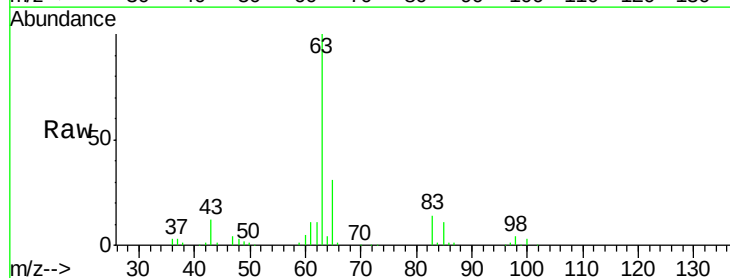
Tgt Ion: 63 Resp: 681838

Ion Ratio Lower Upper

63 100

98 4.4 2.3 6.9

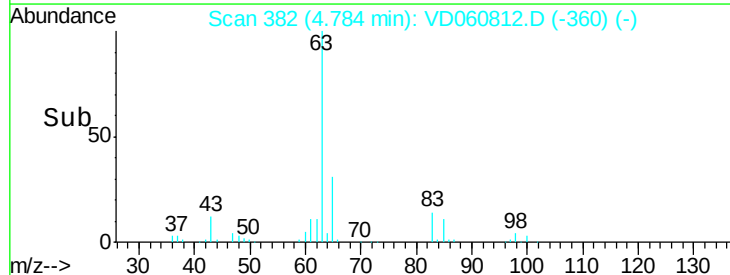
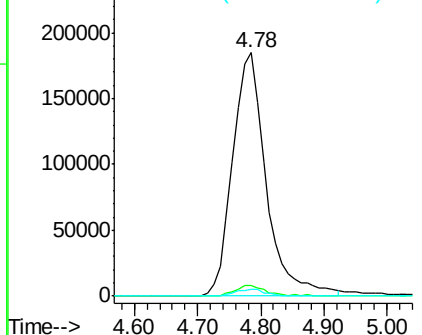
100 2.7 1.3 3.8

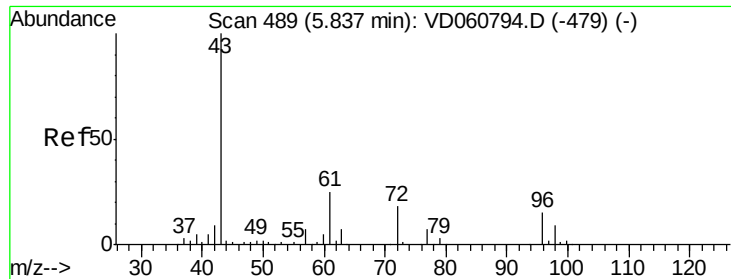


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 230.353 ug/l

RT: 5.84 min Scan# 489

Delta R.T. 0.00 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 402020

Ion Ratio Lower Upper

43 100

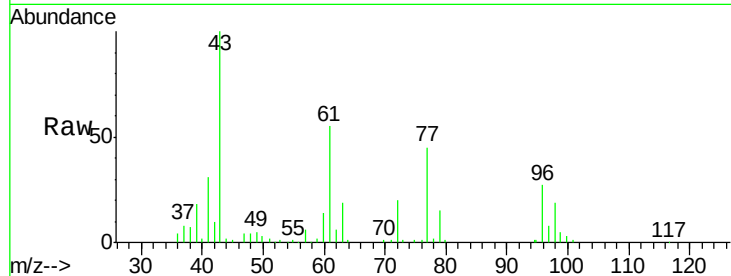
72 19.6 14.4 21.6

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

120000

100000

80000

60000

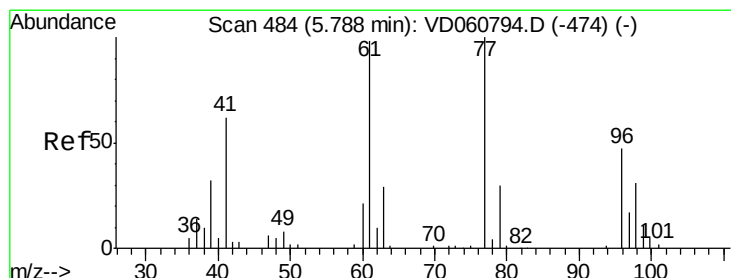
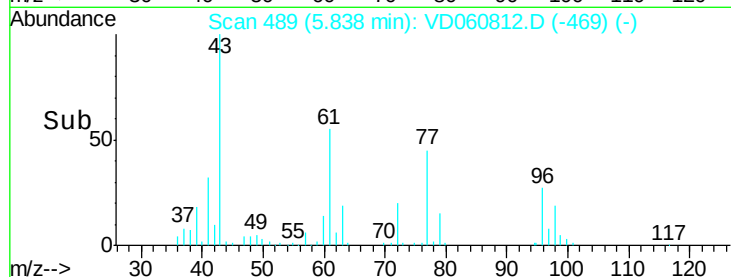
40000

20000

0

5.70 5.80 5.90

Time-->



#26

2,2-Dichloropropane

Concen: 59.647 ug/l

RT: 5.80 min Scan# 485

Delta R.T. 0.01 min

Lab File: VD060812.D

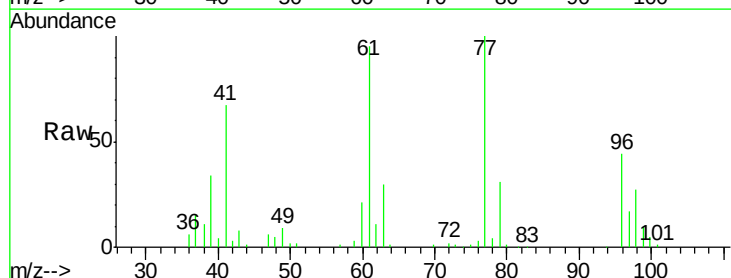
Acq: 1 Feb 2019 11:23

Tgt Ion: 77 Resp: 800303

Ion Ratio Lower Upper

77 100

97 16.8 8.3 24.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

200000

150000

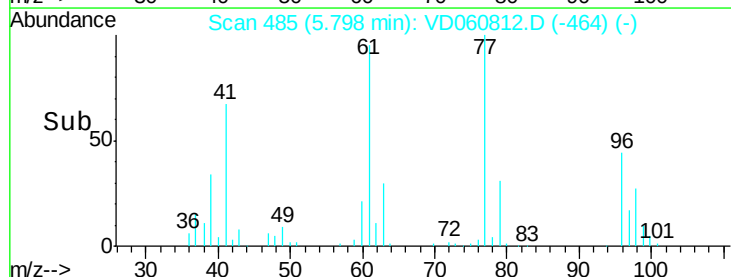
100000

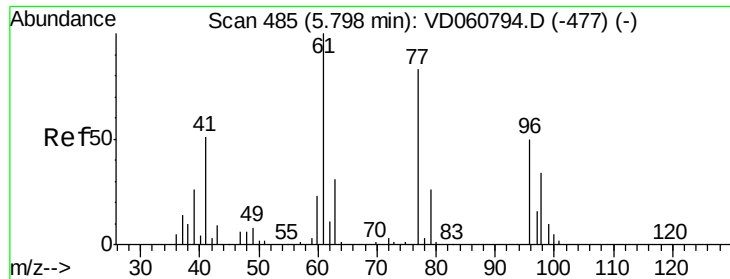
50000

0

5.60 5.70 5.80 5.90 6.00

Time-->





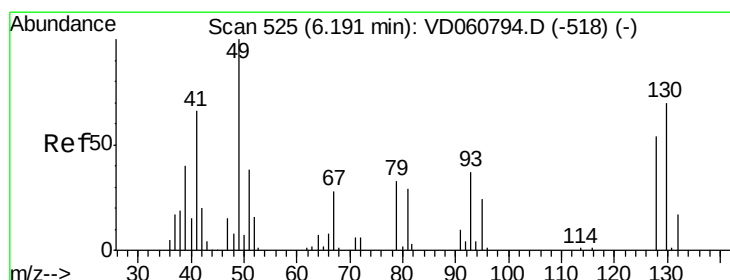
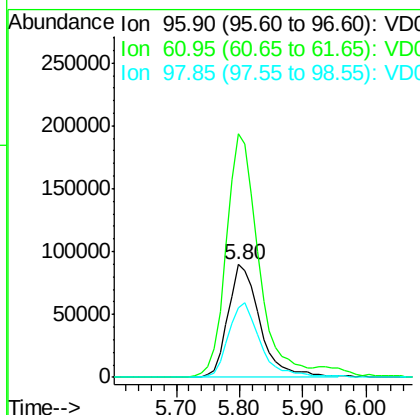
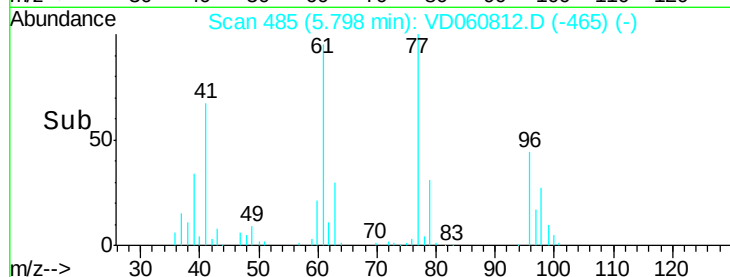
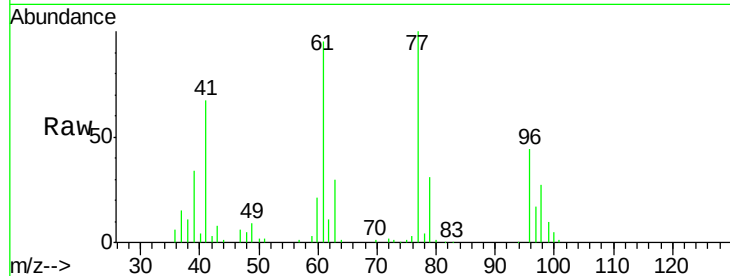
#27
 cis-1,2-Dichloroethene
 Concen: 48.447 ug/l
 RT: 5.80 min Scan# 485
 Delta R.T. 0.00 min
 Lab File: VD060812.D
 Acq: 1 Feb 2019 11:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	216.0	0.0	400.0
98	61.8	0.0	136.4

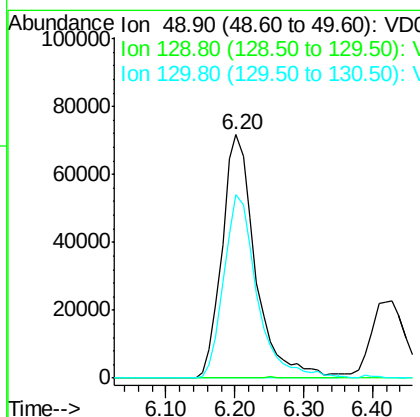
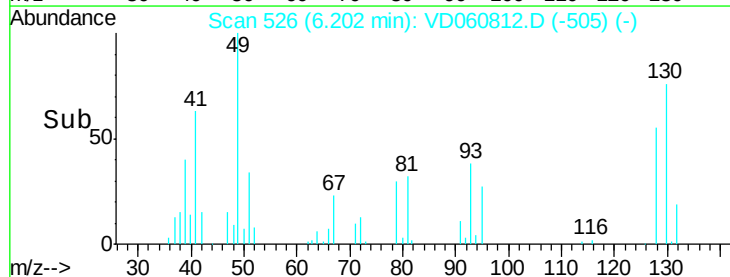
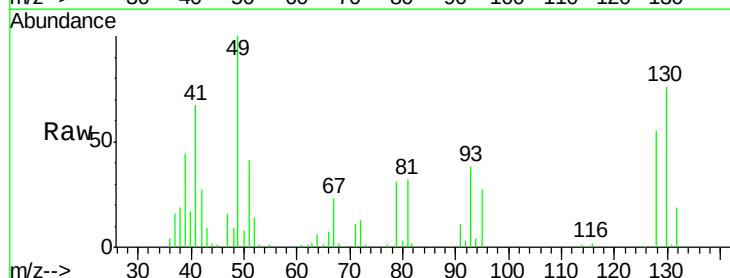
Manual Integrations
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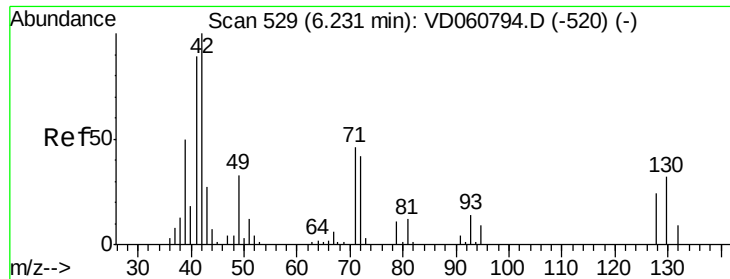
MMDadoda
 2/4/2019 4:42:38 PM



#28
 Bromochloromethane
 Concen: 48.598 ug/l
 RT: 6.20 min Scan# 526
 Delta R.T. 0.01 min
 Lab File: VD060812.D
 Acq: 1 Feb 2019 11:23

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	75.5	56.1	84.1





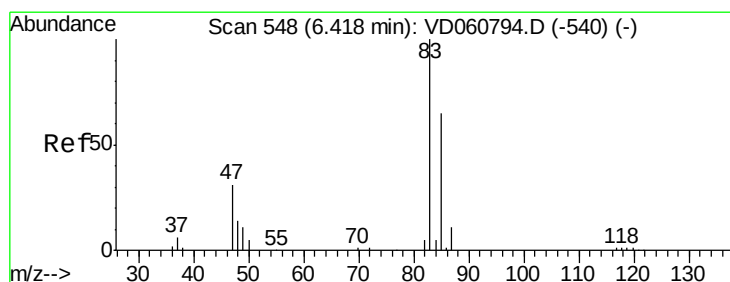
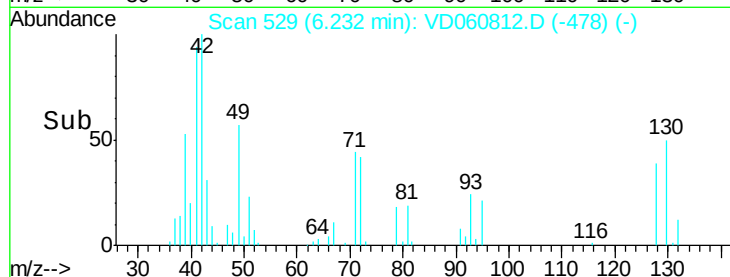
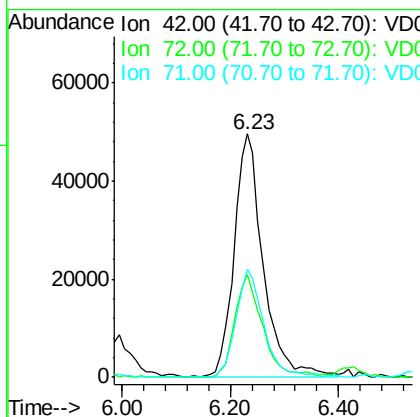
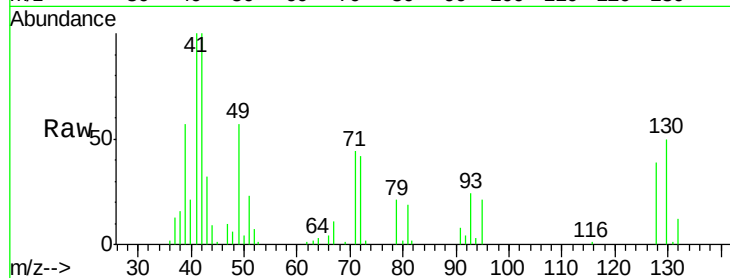
#29
Tetrahydrofuran
Concen: 222.089 ug/l
RT: 6.23 min Scan# 529
Delta R.T. 0.00 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
42	100	186133		
72	40.4		32.8	49.2
71	41.8		34.6	52.0

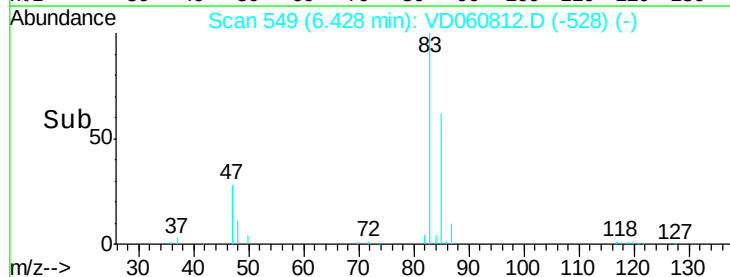
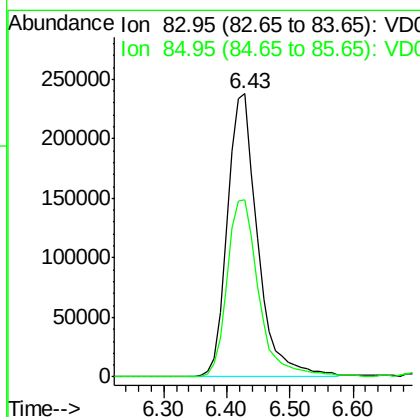
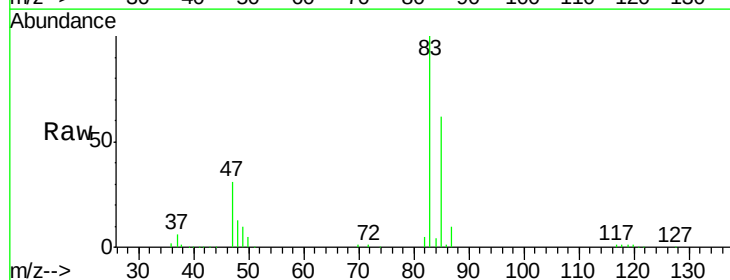
Manual Integrations
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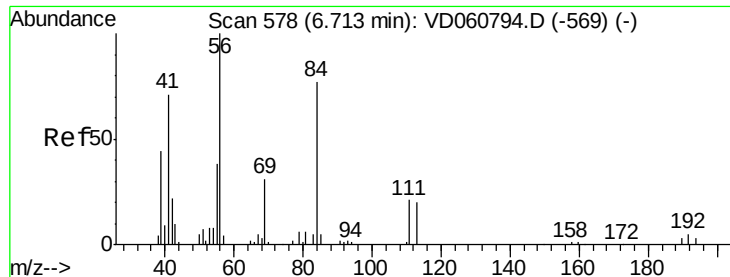
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2/4/2019 4:42:38 PM



#30
Chloroform
Concen: 52.449 ug/l
RT: 6.43 min Scan# 549
Delta R.T. 0.01 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	789395		
85	62.5		52.3	78.5





#31

Cyclohexane

Concen: 54.707 ug/l

RT: 6.72 min Scan# 579

Delta R.T. 0.01 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Instrument :

MSVOA_D

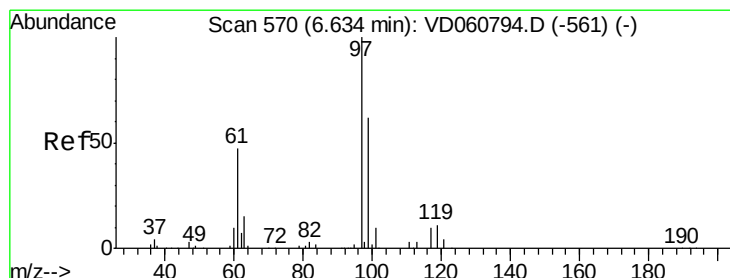
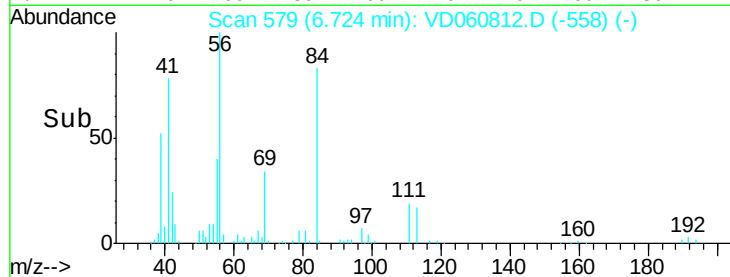
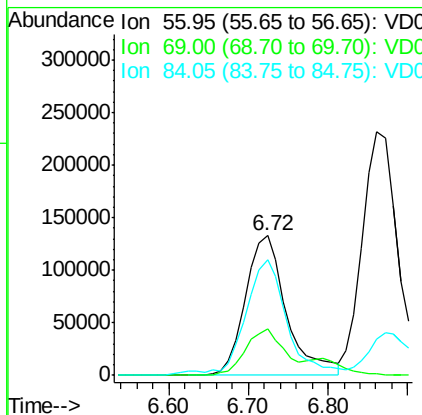
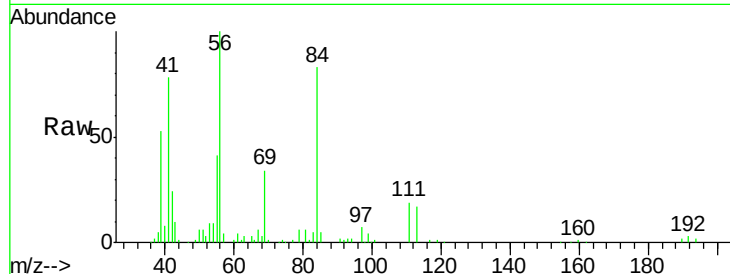
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	473984
Ion	Ratio	Lower	Upper
56	100		
69	33.8	25.1	37.7
84	82.9	63.9	95.9

Manual Integrations
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2/4/2019 4:42:38 PM



#32

1,1,1-Trichloroethane

Concen: 58.322 ug/l

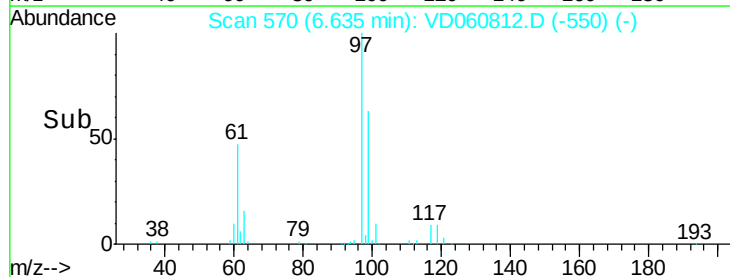
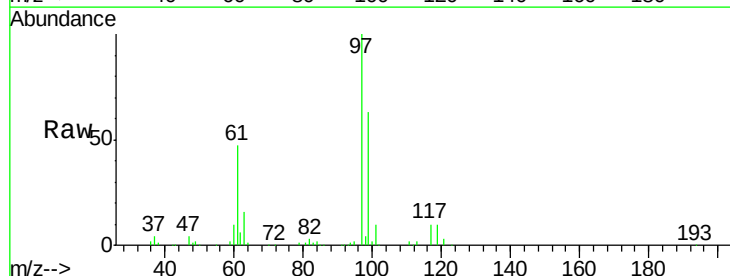
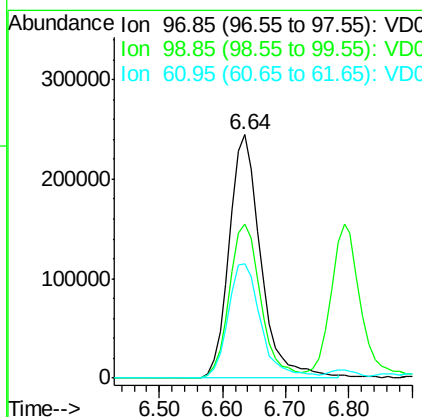
RT: 6.64 min Scan# 570

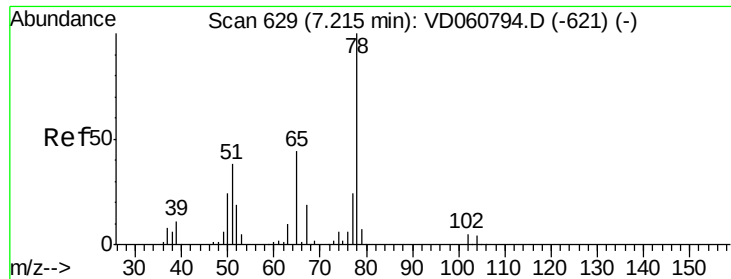
Delta R.T. 0.00 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Tgt Ion:	97	Resp:	845311
Ion	Ratio	Lower	Upper
97	100		
99	63.5	49.6	74.4
61	46.8	37.4	56.2





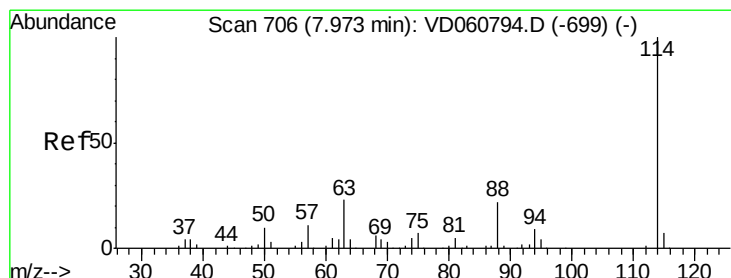
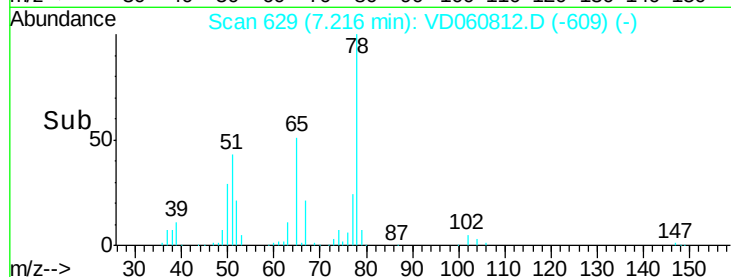
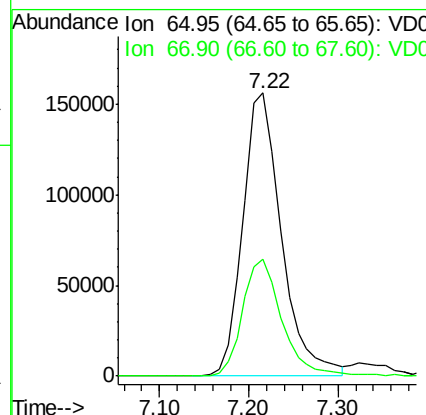
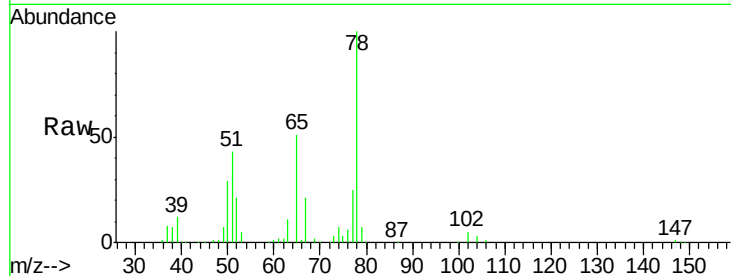
#33
 1,2-Dichloroethane-d4
 Concen: 58.322 ug/l
 RT: 7.22 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: VD060812.D
 Acq: 1 Feb 2019 11:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	470590		
67	41.4	0.0	85.8	

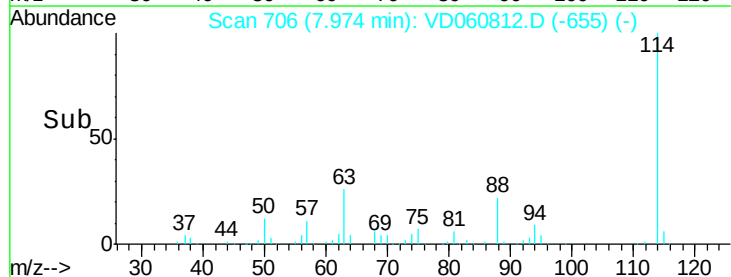
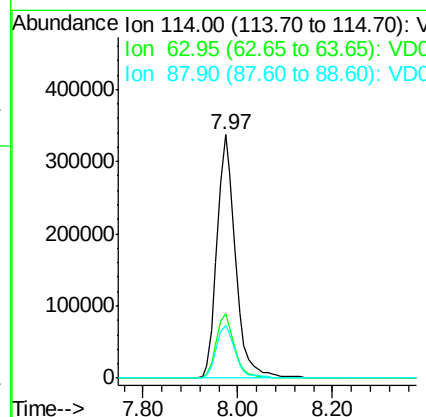
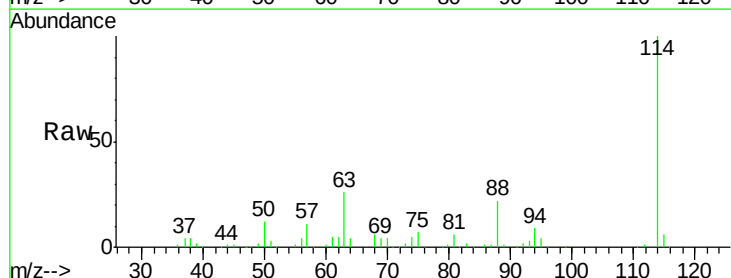
Manual Integrations
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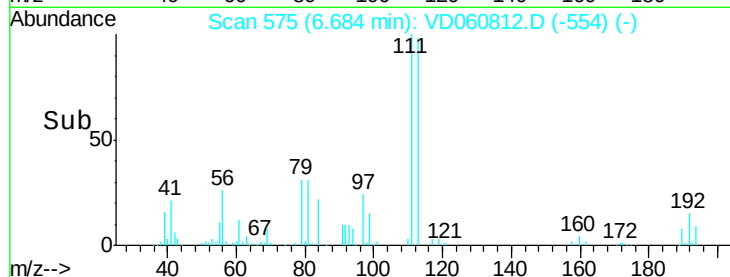
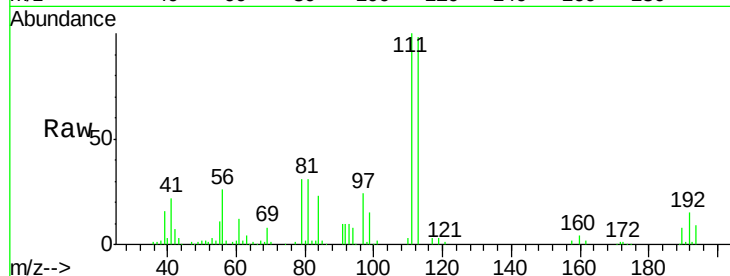
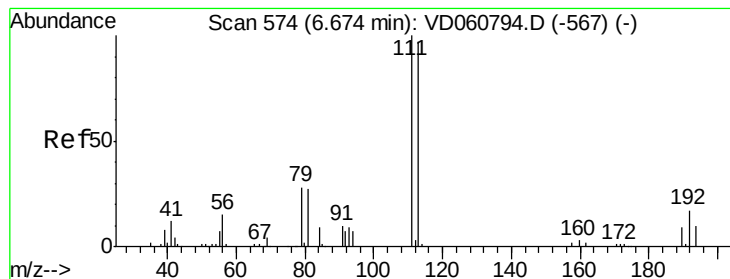
MMDadoda
 2/4/2019 4:42:38 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.97 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VD060812.D
 Acq: 1 Feb 2019 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	914259		
63	26.4	0.0	46.6	
88	21.8	0.0	44.0	





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.68 min Scan# 575

Delta R.T. 0.01 min

Lab File: VD060812.D

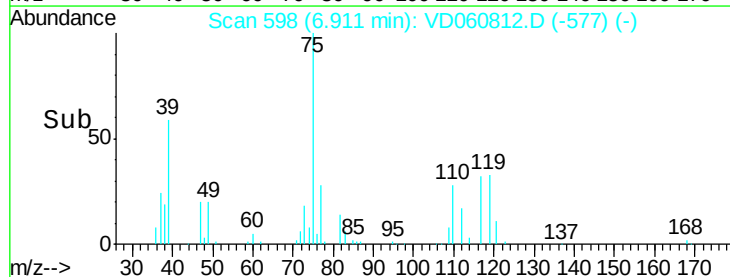
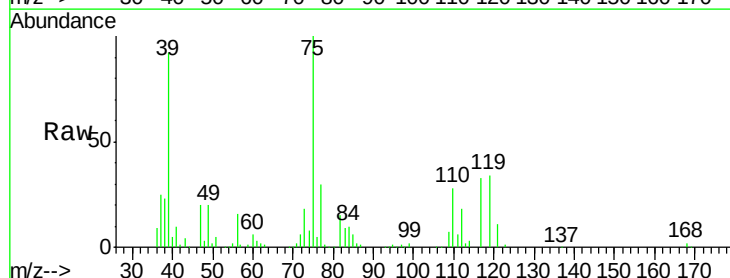
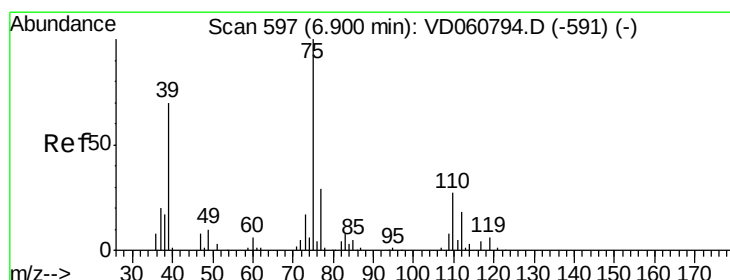
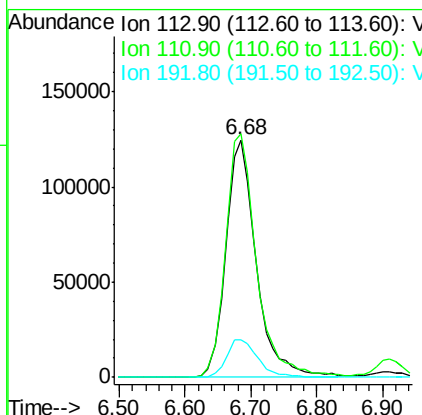
Acq: 1 Feb 2019 11:23

Tot Ion:	113	Resp:	403202
Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.3	123.5
192	15.7	14.4	21.6

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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2/4/2019 4:42:38 PM



#36

1,1-Dichloropropene

Concen: 50.512 ug/l

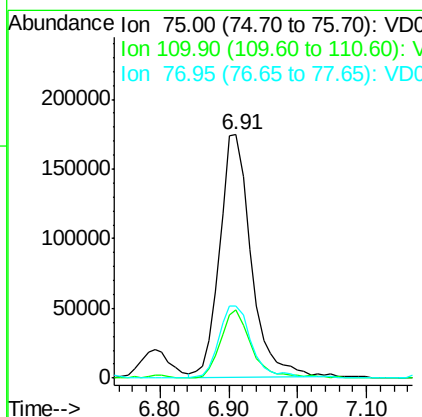
RT: 6.91 min Scan# 598

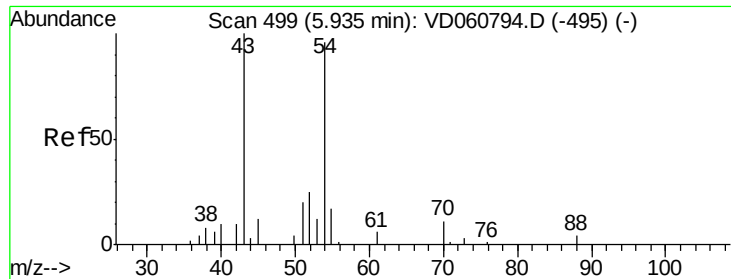
Delta R.T. 0.01 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Tgt Ion:	75	Resp:	551394
Ion	Ratio	Lower	Upper
75	100		
110	27.9	13.5	40.4
77	29.6	23.4	35.2





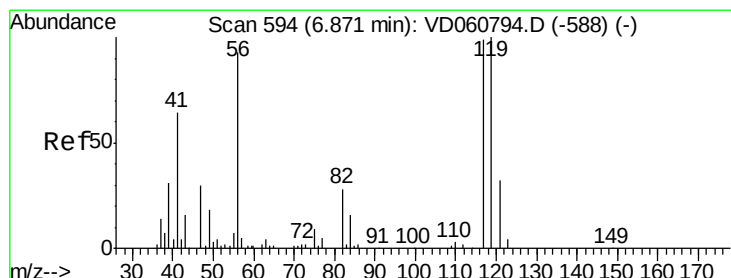
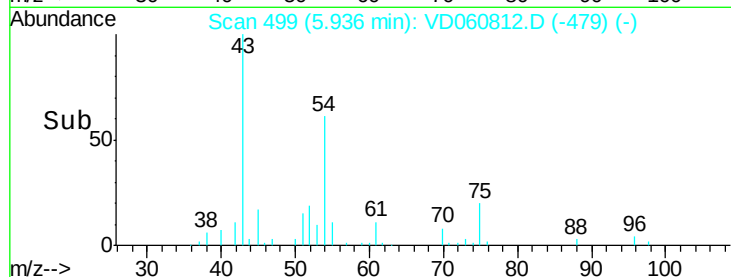
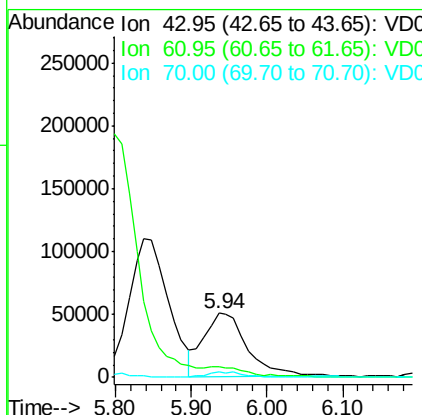
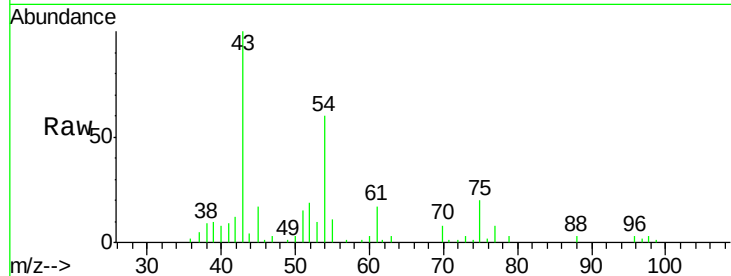
#37
Ethyl Acetate
Concen: 40.992 ug/l
RT: 5.94 min Scan# 499
Delta R.T. 0.00 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.8	12.3	18.5
70	8.2	7.4	11.0

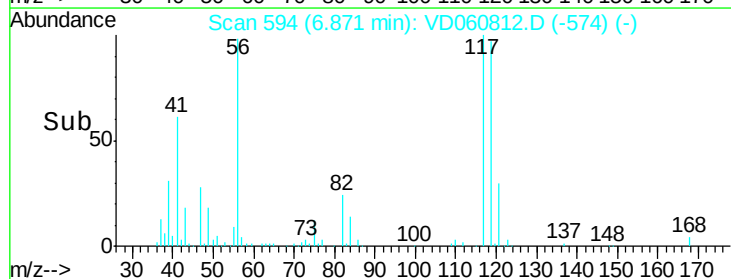
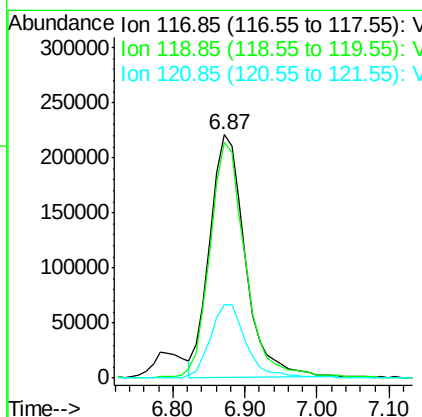
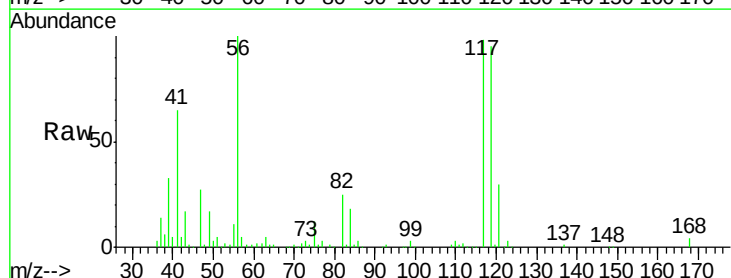
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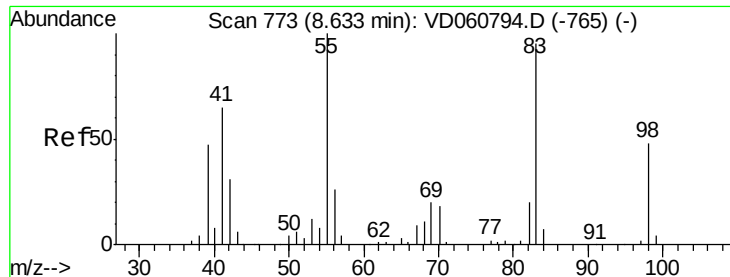
MMDadoda
2/4/2019 4:42:38 PM



#38
Carbon Tetrachloride
Concen: 54.520 ug/l
RT: 6.87 min Scan# 594
Delta R.T. 0.00 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	75.6	113.4
121	30.3	23.4	35.2





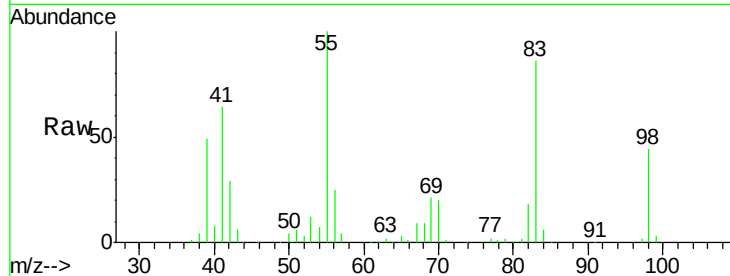
#39
Methylvlcyclohexane
Concen: 51.953 ug/l
RT: 8.62 min Scan# 772
Delta R.T. -0.01 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

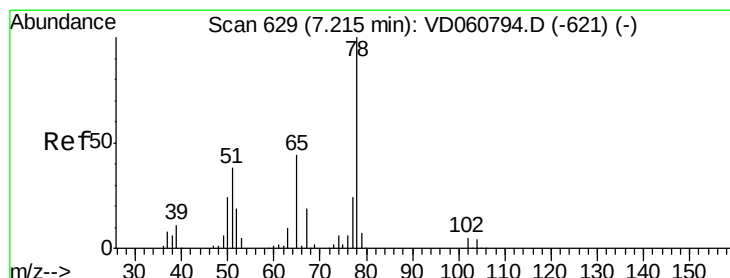
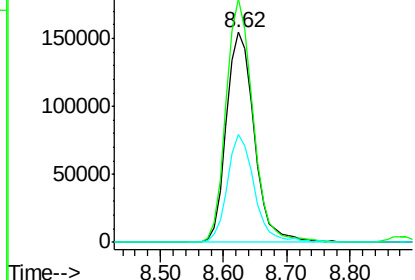
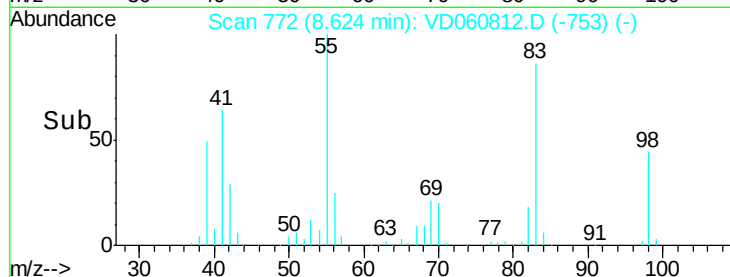
Tot Ion	Ratio	Lower	Upper
83	100		
55	116.1	83.8	125.8
98	51.7	39.8	59.8

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2/4/2019 4:42:38 PM

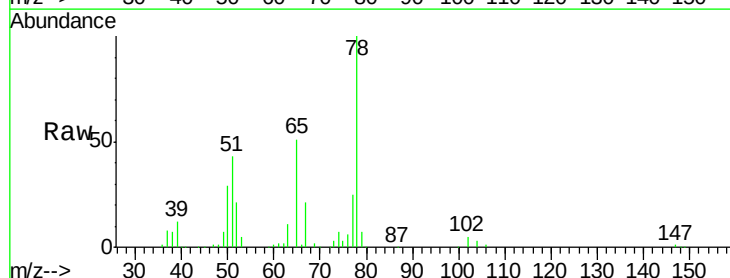


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

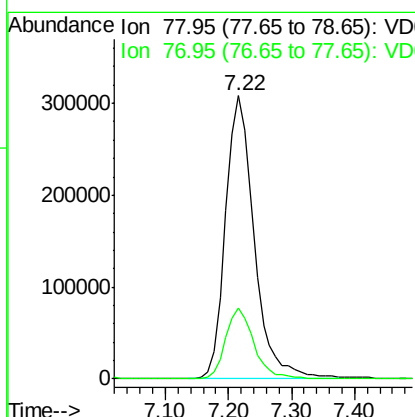
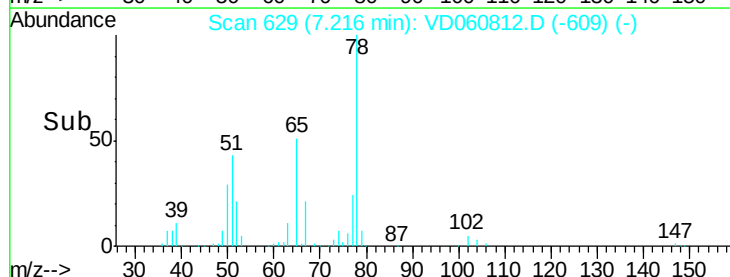


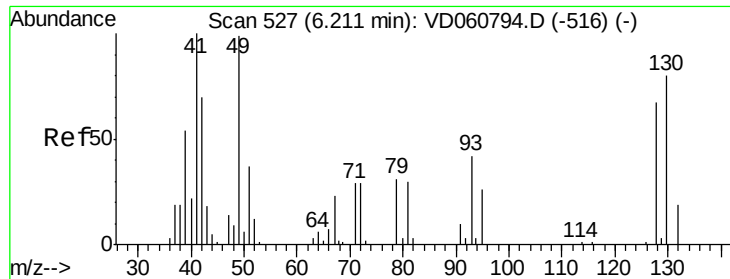
#40
Benzene
Concen: 45.066 ug/l
RT: 7.22 min Scan# 629
Delta R.T. 0.00 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	18.9	28.3



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





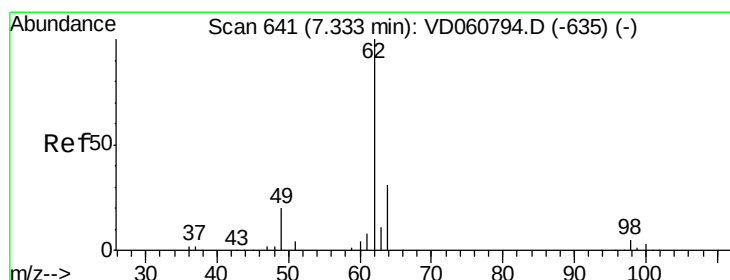
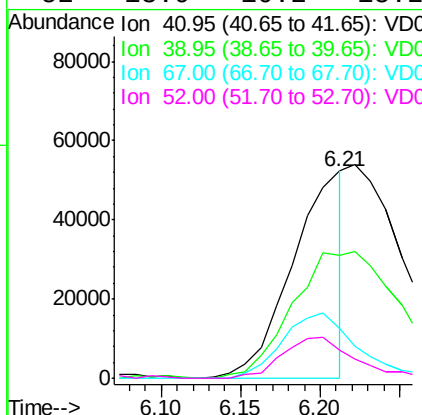
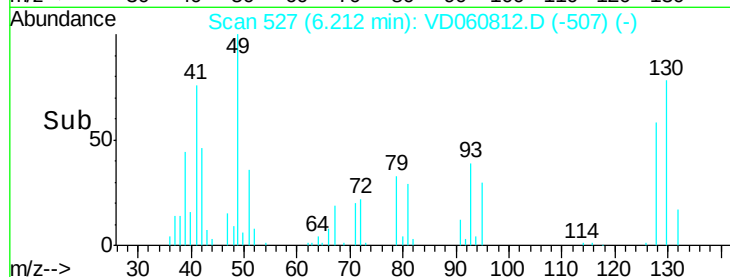
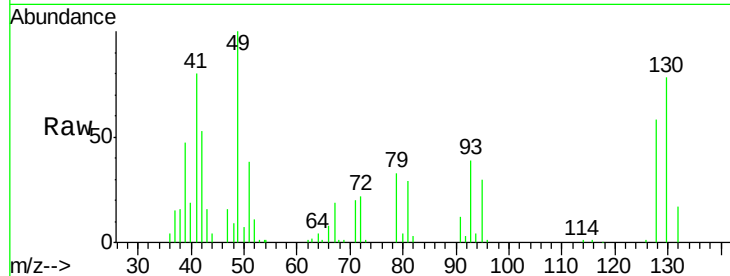
#41
Methacrylonitrile
Concen: 38.453 ug/l m
RT: 6.21 min Scan# 527
Delta R.T. 0.00 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
41	100	118999		
39	59.4	43.6	65.4	
67	24.3	18.5	27.7	
52	13.9	10.2	15.2	

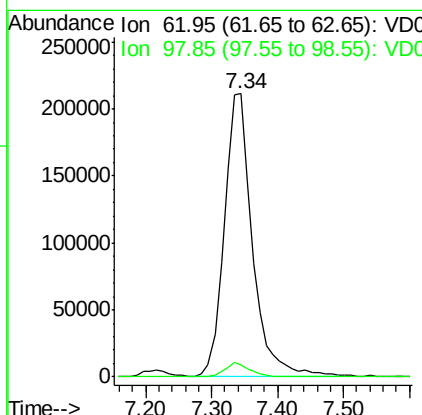
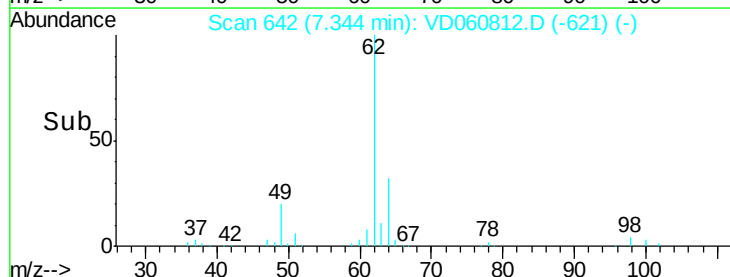
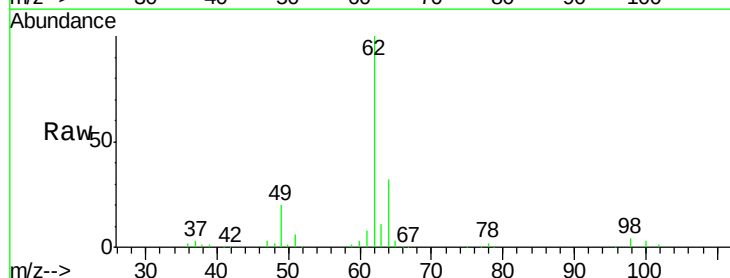
Manual Integrations
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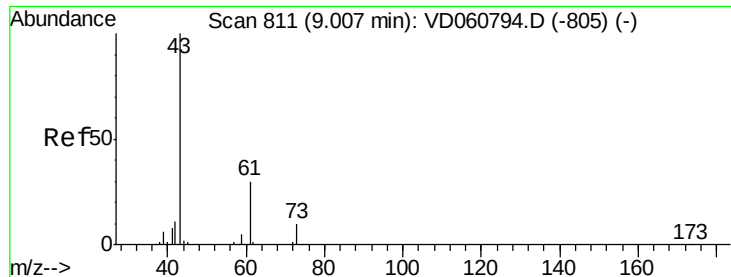
MMDadoda
2/4/2019 4:42:38 PM



#42
1,2-Dichloroethane
Concen: 50.054 ug/l
RT: 7.34 min Scan# 642
Delta R.T. 0.01 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	626483		
98	4.4	0.0	10.2	





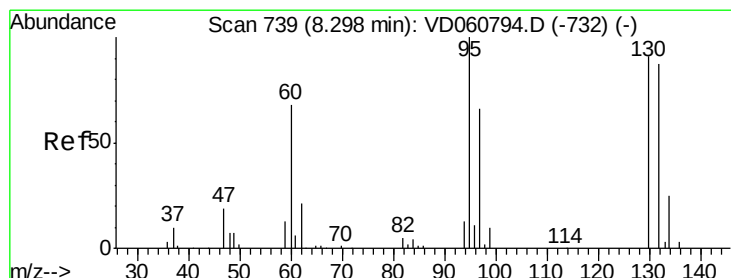
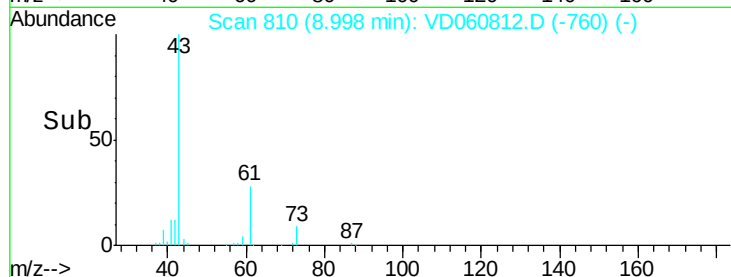
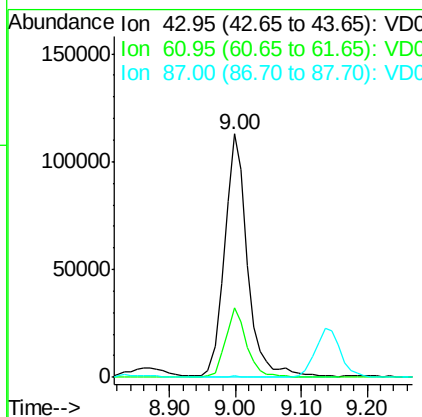
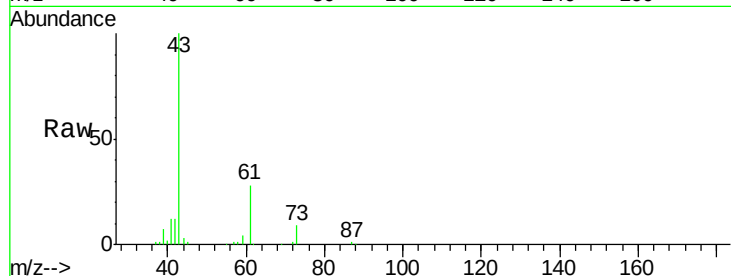
#43
Isopropyl Acetate
Concen: 42.914 ug/l
RT: 9.00 min Scan# 810
Delta R.T. -0.01 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.4	24.1	36.1
87	0.6	0.0	0.0

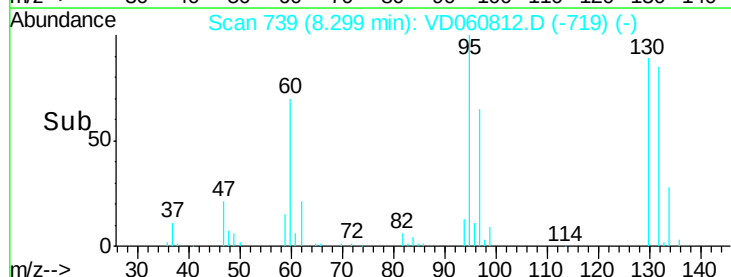
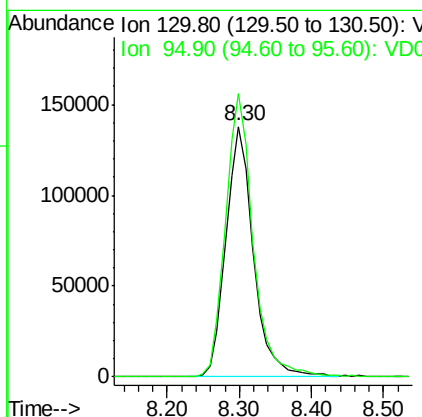
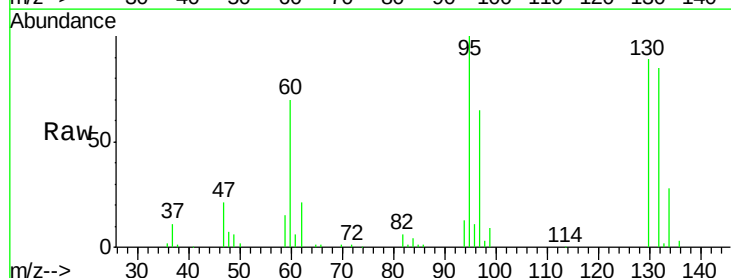
Manual Integrations
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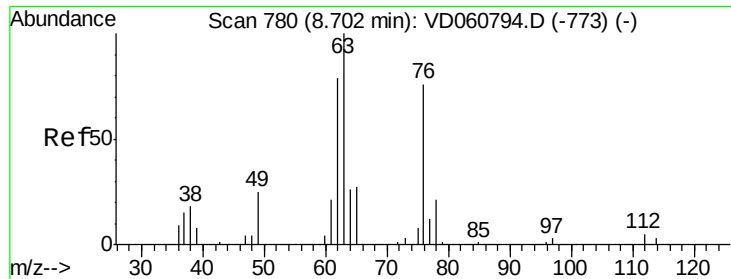
MMDadoda
2/4/2019 4:42:38 PM



#44
Trichloroethene
Concen: 50.118 ug/l
RT: 8.30 min Scan# 739
Delta R.T. 0.00 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	112.9	0.0	221.0





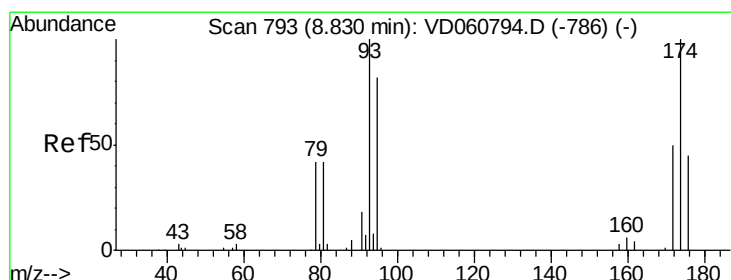
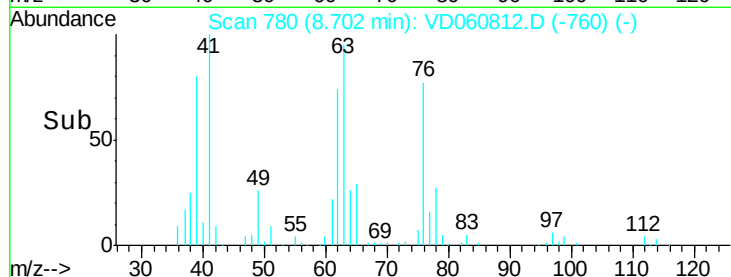
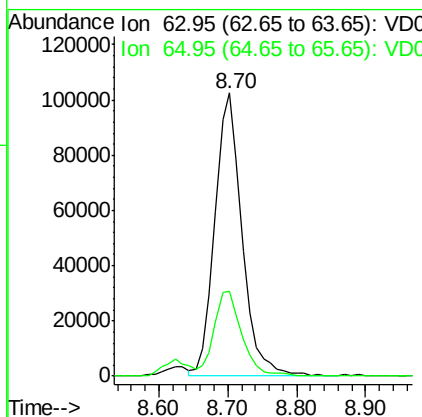
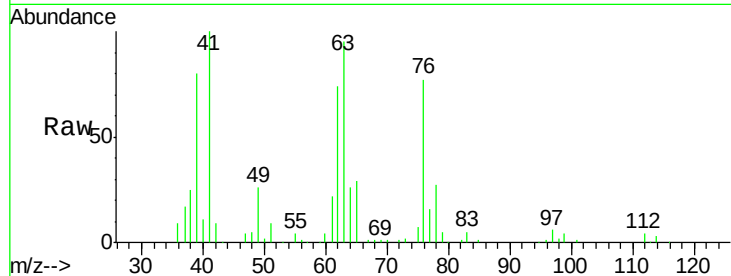
#45
 1,2-Dichloropropane
 Concen: 48.100 ug/l
 RT: 8.70 min Scan# 780
 Delta R.T. 0.00 min
 Lab File: VD060812.D
 Acq: 1 Feb 2019 11:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 280525
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.1 36.1

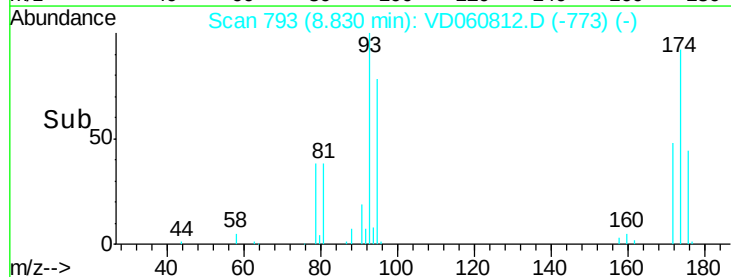
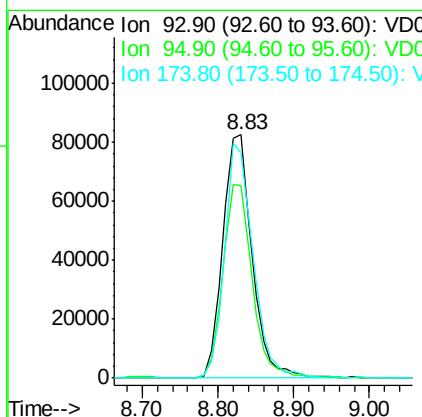
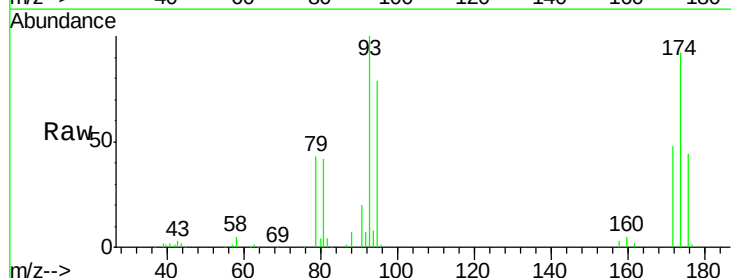
Manual Integrations
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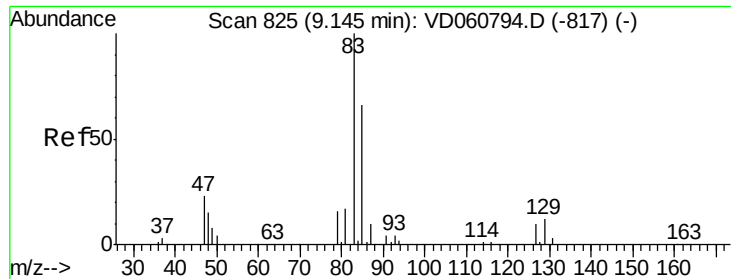
MMDadoda
 2/4/2019 4:42:38 PM



#46
 Dibromomethane
 Concen: 48.932 ug/l
 RT: 8.83 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VD060812.D
 Acq: 1 Feb 2019 11:23

Tgt Ion: 93 Resp: 221537
 Ion Ratio Lower Upper
 93 100
 95 78.8 65.8 98.8
 174 92.4 79.8 119.6





#47

Bromodichloromethane

Concen: 50.090 ug/l

RT: 9.14 min Scan# 824

Delta R.T. -0.01 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Instrument :

MSVOA_D

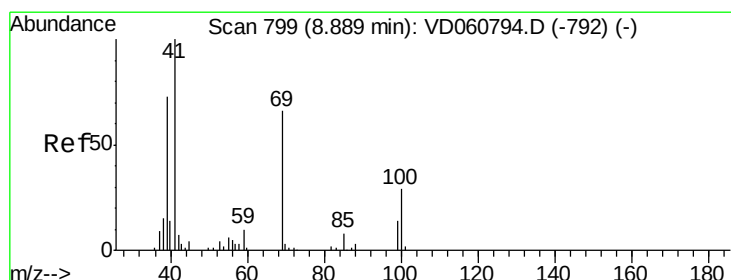
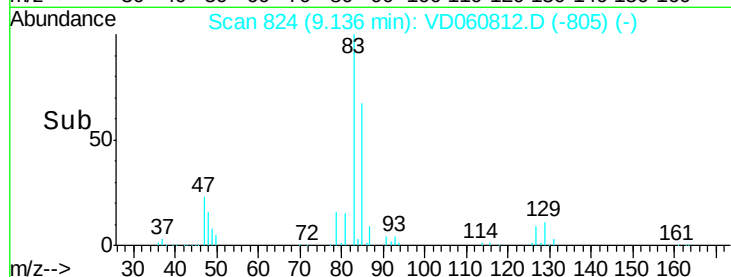
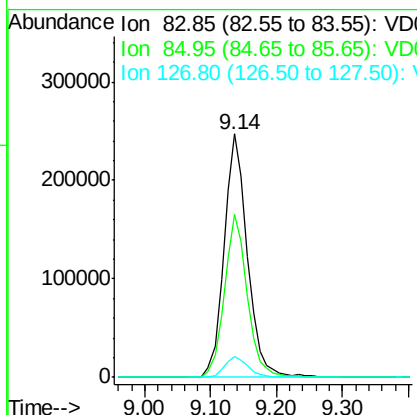
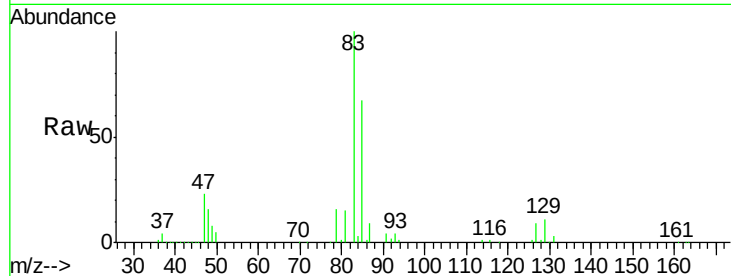
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	612122
Ion	Ratio	Lower	Upper
83	100		
85	67.1	52.6	79.0
127	8.6	7.7	11.5

Manual Integrations
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2/4/2019 4:42:38 PM



#48

Methyl methacrylate

Concen: 43.941 ug/l

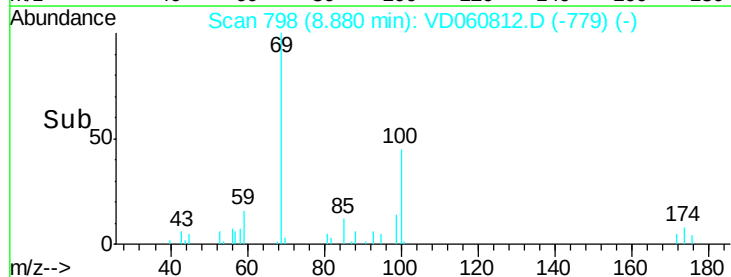
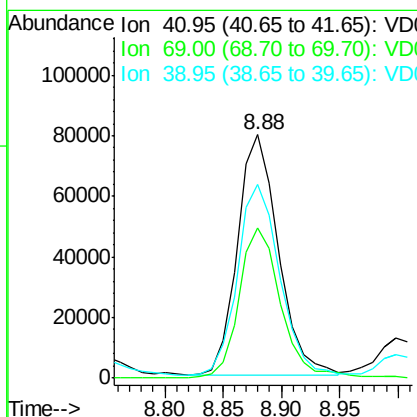
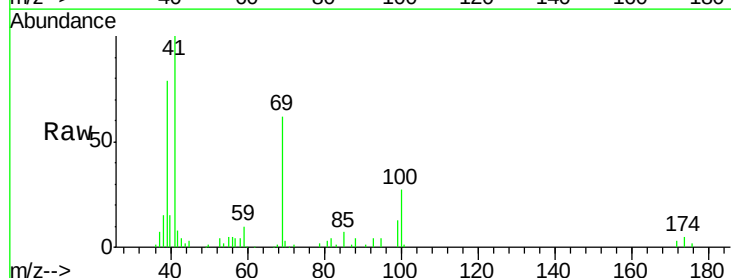
RT: 8.88 min Scan# 798

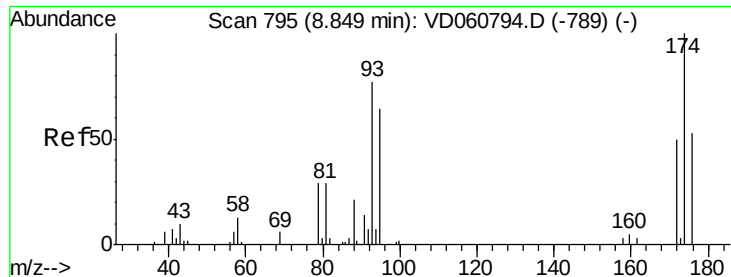
Delta R.T. -0.01 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Tgt Ion:	41	Resp:	192580
Ion	Ratio	Lower	Upper
41	100		
69	61.5	52.5	78.7
39	79.3	59.0	88.6





#49

1,4-Dioxane

Concen: 769.952 ug/l

RT: 8.85 min Scan# 795

Delta R.T. 0.00 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Instrument :

MSVOA_D

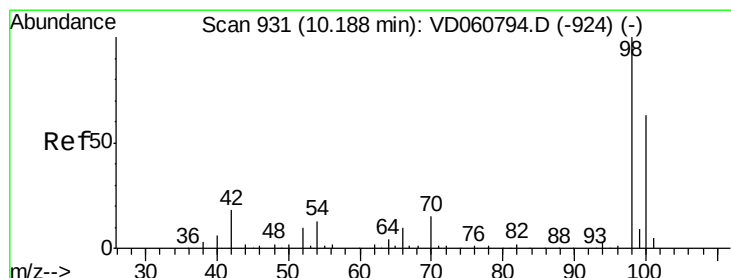
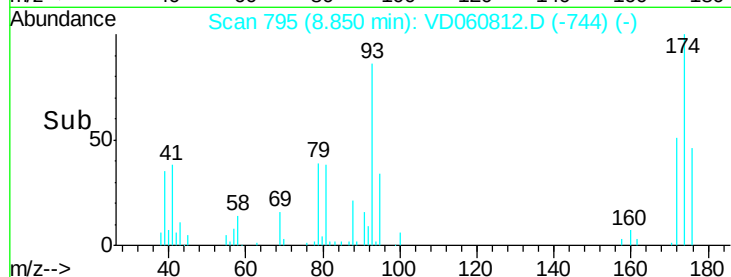
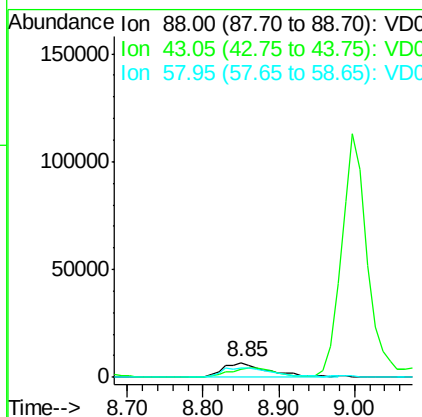
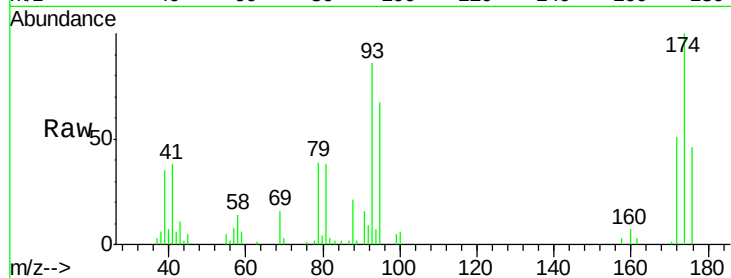
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	28953
Ion Ratio	Lower	Upper	
88	100		
43	52.1	40.9	61.3
58	65.7	52.2	78.4

Manual Integrations
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#50

Toluene-d8

Concen: 769.952 ug/l

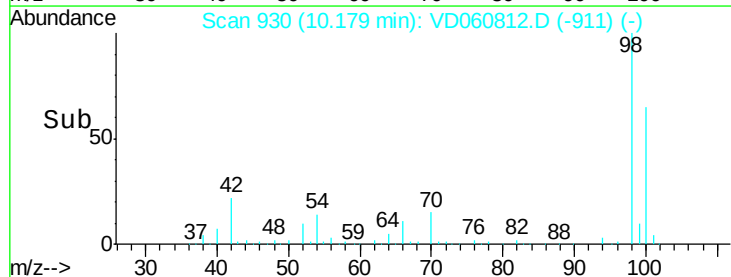
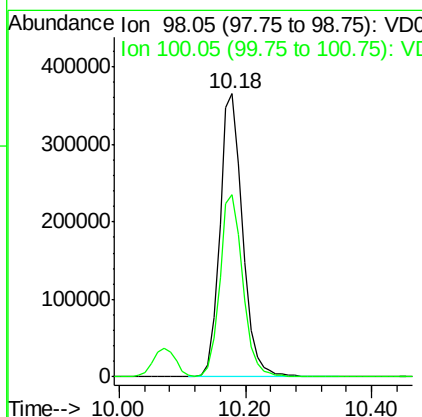
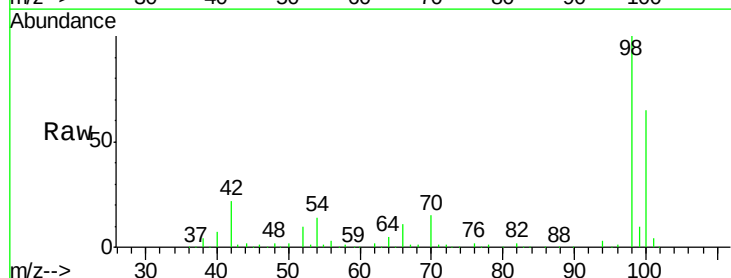
RT: 10.18 min Scan# 930

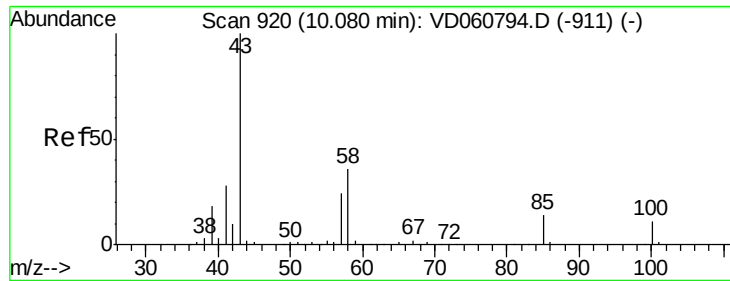
Delta R.T. -0.01 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Tgt Ion:	98	Resp:	915115
Ion Ratio	Lower	Upper	
98	100		
100	64.6	51.0	76.6





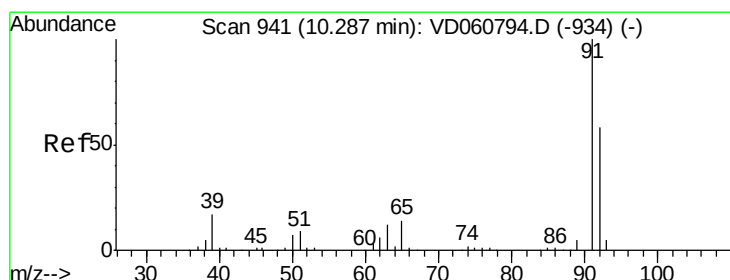
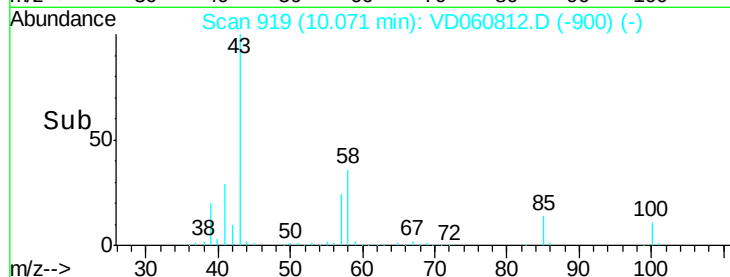
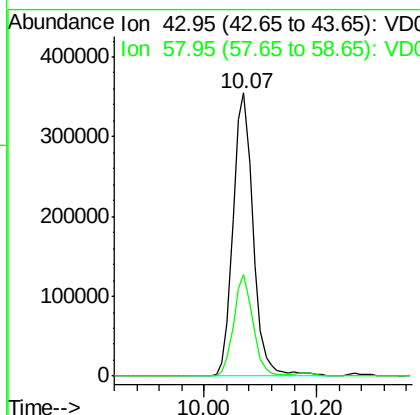
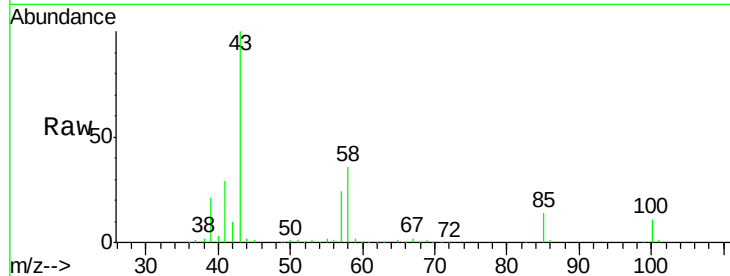
#51
4-Methyl-2-Pentanone
Concen: 215.100 ug/l
RT: 10.07 min Scan# 919
Delta R.T. -0.01 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.9	28.4	42.6

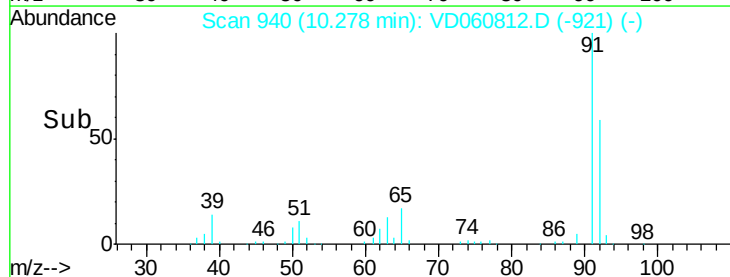
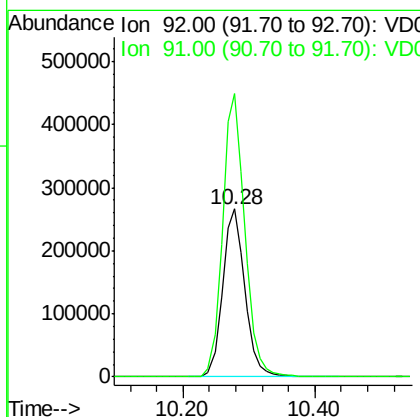
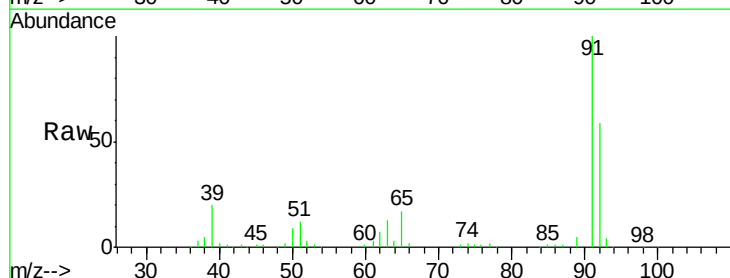
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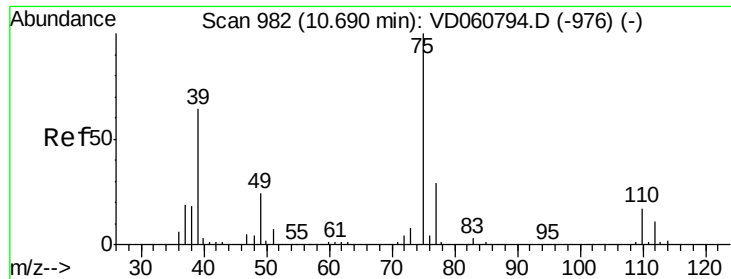
MMDadoda
2/4/2019 4:42:38 PM



#52
Toluene
Concen: 45.860 ug/l
RT: 10.28 min Scan# 940
Delta R.T. -0.01 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Tgt Ion	Ratio	Lower	Upper
92	100		
91	168.8	137.7	206.5





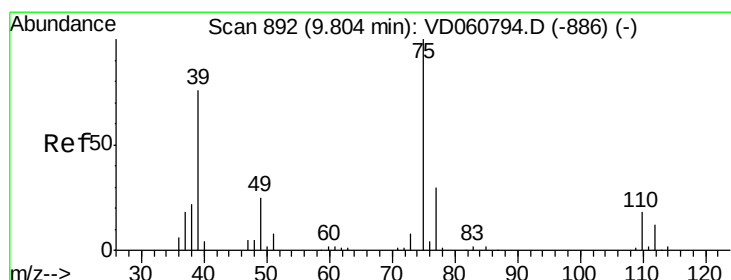
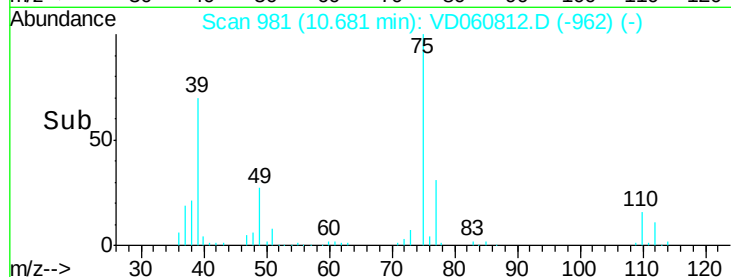
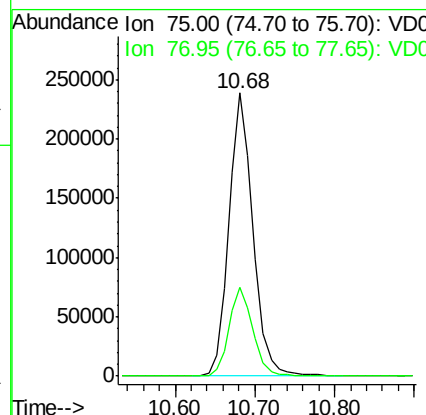
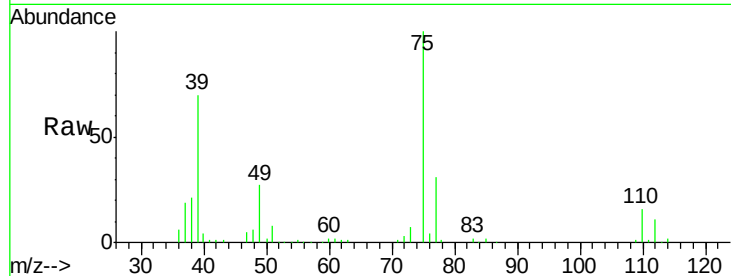
#53
t-1,3-Dichloropropene
Concen: 47.108 ug/l
RT: 10.68 min Scan# 981
Delta R.T. -0.01 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
75	100	506382		
77	31.4	23.0	34.6	

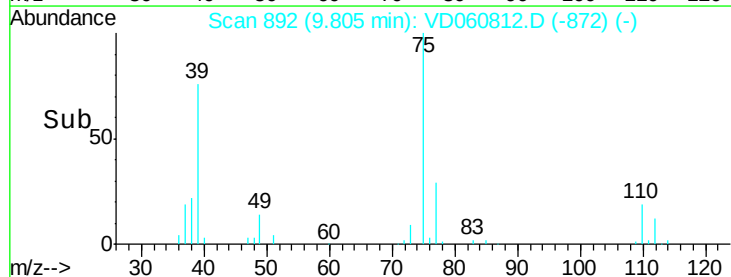
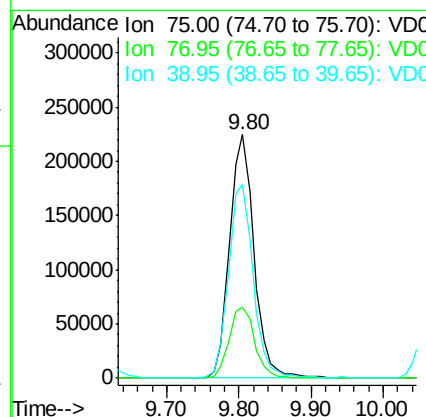
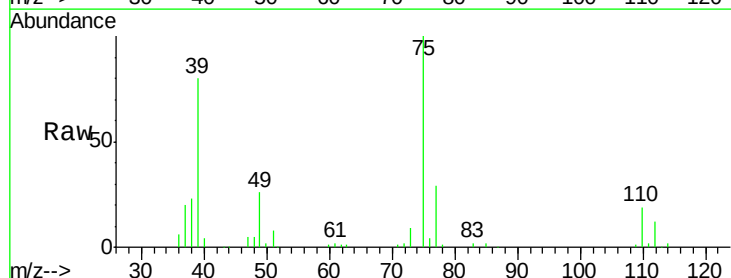
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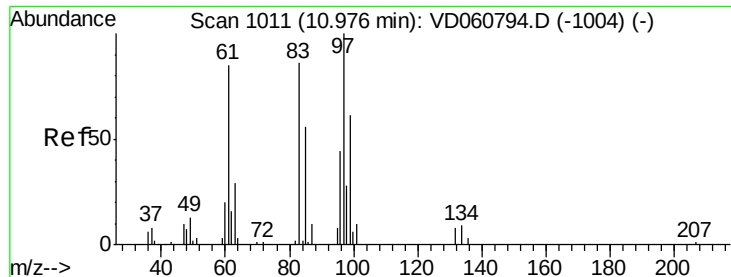
MMDadoda
2/4/2019 4:42:38 PM



#54
cis-1,3-Dichloropropene
Concen: 48.055 ug/l
RT: 9.80 min Scan# 892
Delta R.T. 0.00 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	529715		
77	29.1	23.9	35.9	
39	79.6	60.4	90.6	





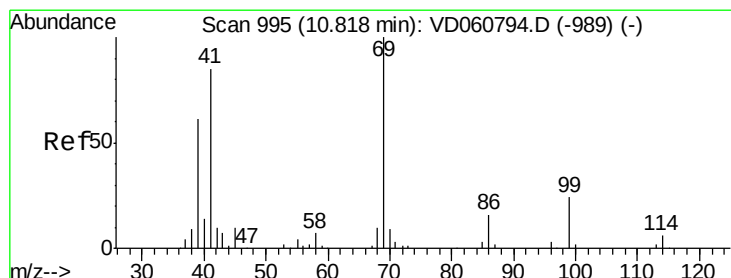
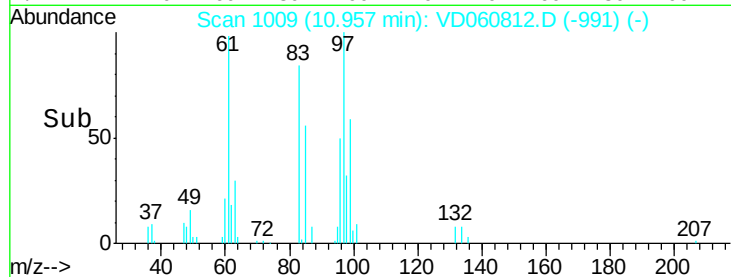
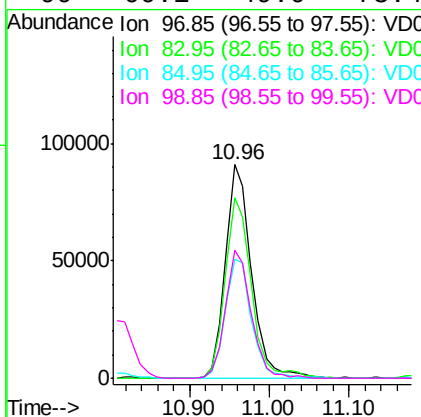
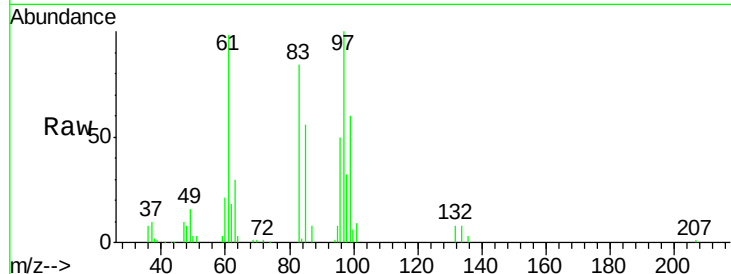
#55
 1,1,2-Trichloroethane
 Concen: 45.247 ug/l
 RT: 10.96 min Scan# 1009
 Delta R.T. -0.02 min
 Lab File: VD060812.D
 Acq: 1 Feb 2019 11:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	210827
Ion Ratio	Lower	Upper	
97	100		
83	84.4	68.5	102.7
85	55.7	45.0	67.6
99	60.1	49.0	73.4

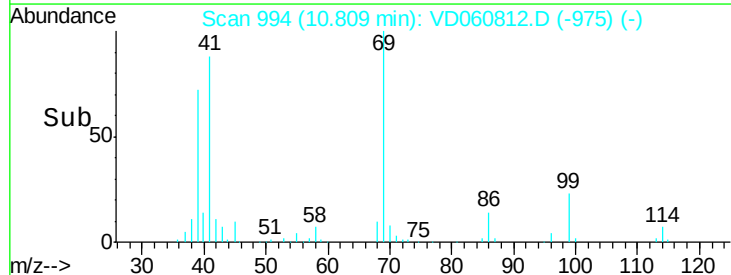
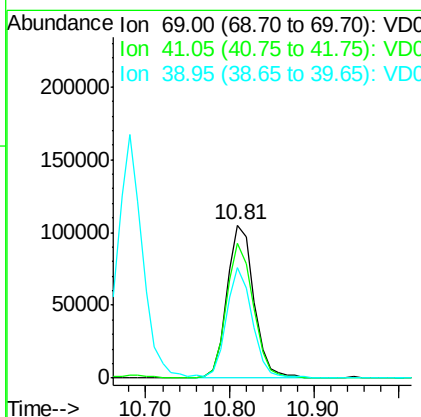
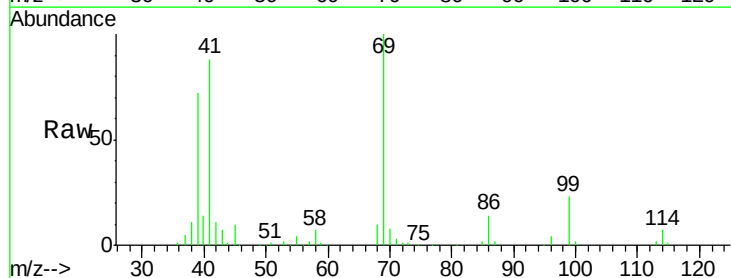
Manual Integrations
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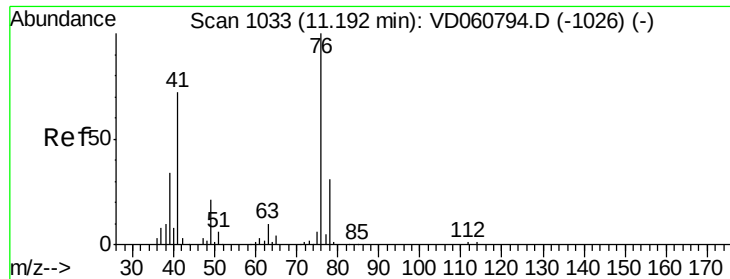
MMDadoda
 2/4/2019 4:42:38 PM



#56
 Ethyl methacrylate
 Concen: 41.606 ug/l
 RT: 10.81 min Scan# 994
 Delta R.T. -0.01 min
 Lab File: VD060812.D
 Acq: 1 Feb 2019 11:23

Tgt Ion:	69	Resp:	234844
Ion Ratio	Lower	Upper	
69	100		
41	87.6	68.2	102.2
39	72.1	49.4	74.0





#57

1,3-Dichloropropane

Concen: 45.020 ug/l

RT: 11.18 min Scan# 1032

Delta R.T. -0.01 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 358502

Ion Ratio Lower Upper

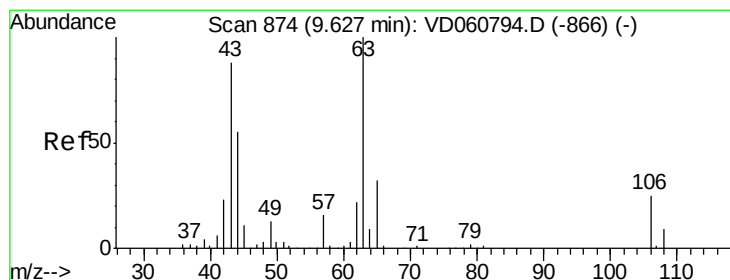
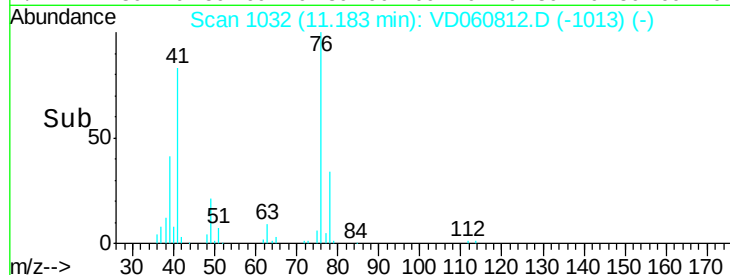
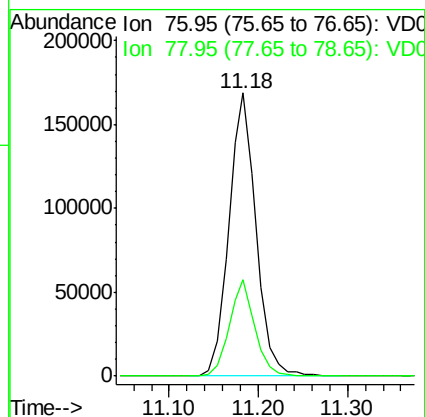
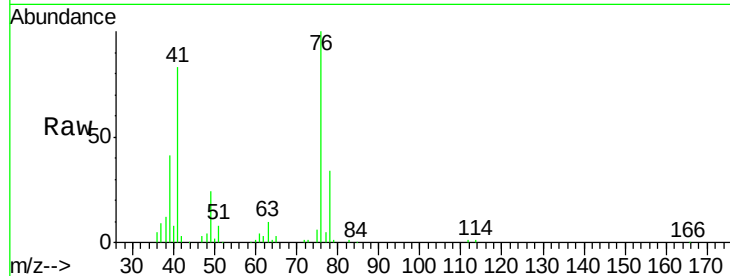
76 100

78 34.0 24.5 36.7

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 216.353 ug/l

RT: 9.62 min Scan# 873

Delta R.T. -0.01 min

Lab File: VD060812.D

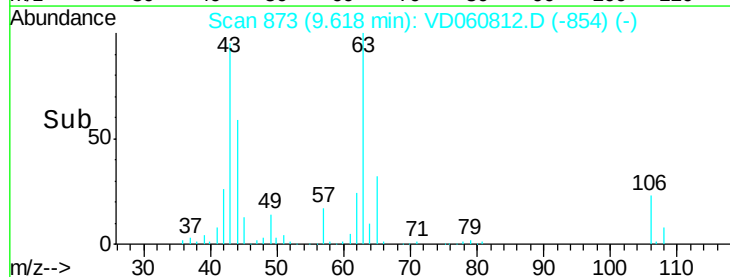
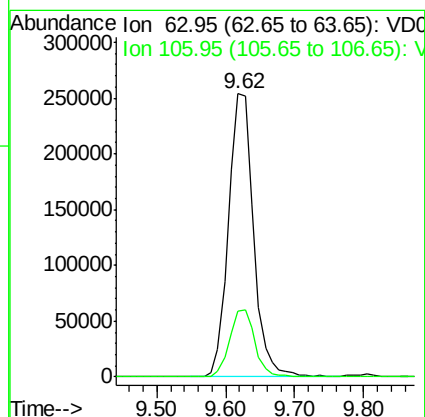
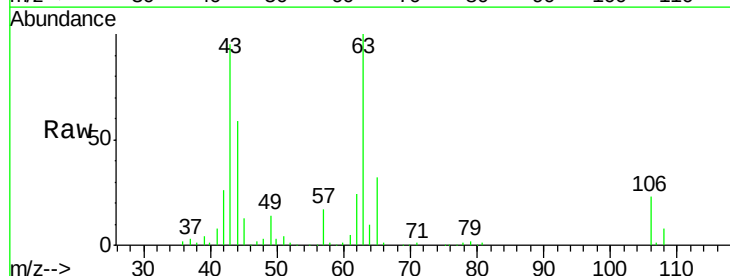
Acq: 1 Feb 2019 11:23

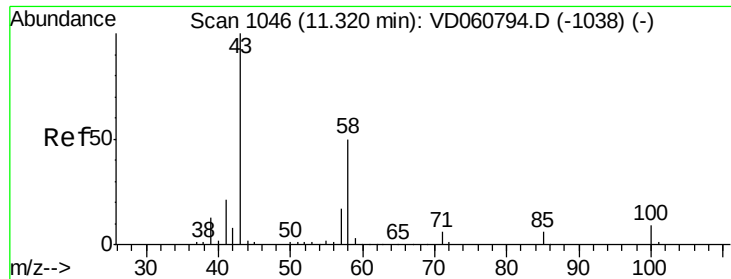
Tgt Ion: 63 Resp: 640747

Ion Ratio Lower Upper

63 100

106 23.2 19.9 29.9





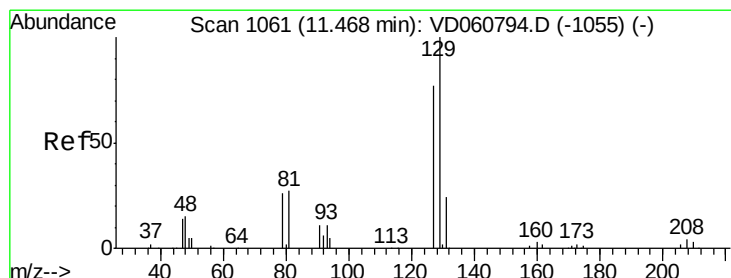
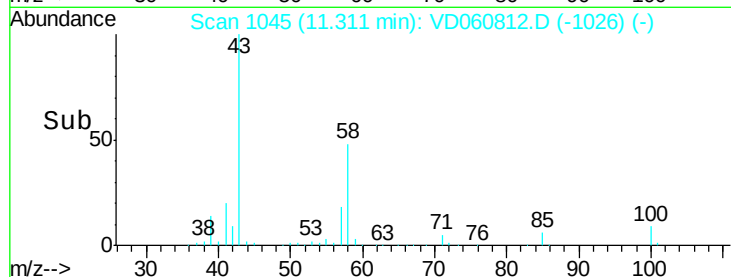
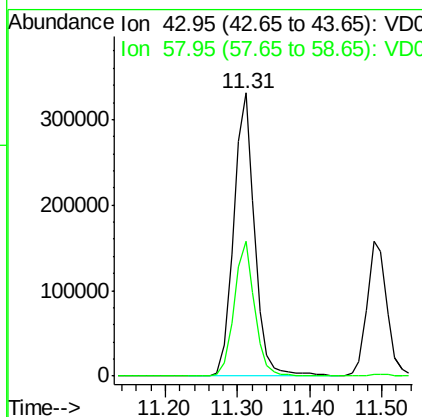
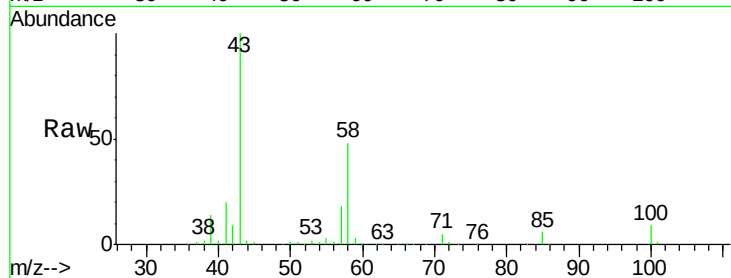
#59
2-Hexanone
Concen: 216.246 ug/l
RT: 11.31 min Scan# 1045
Delta R.T. -0.01 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 669204
Ion Ratio Lower Upper
43 100
58 47.8 25.0 75.0

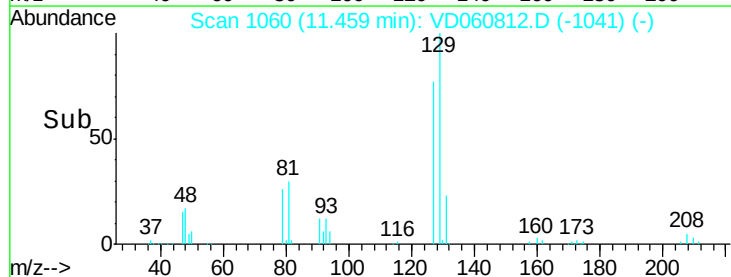
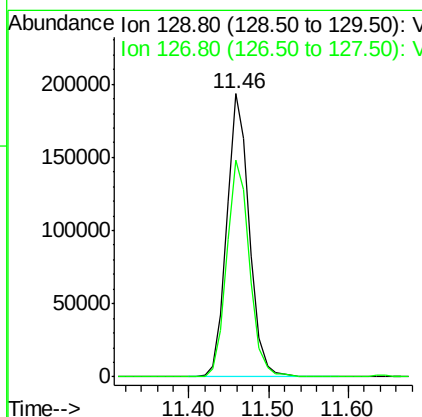
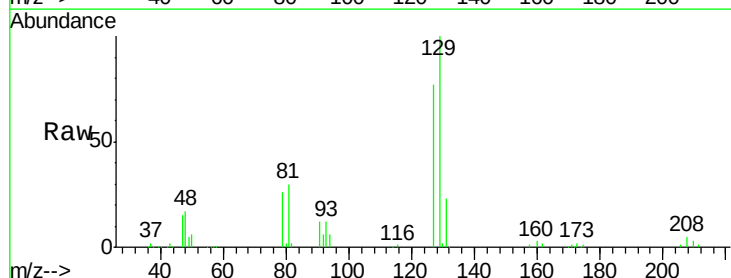
Manual Integrations
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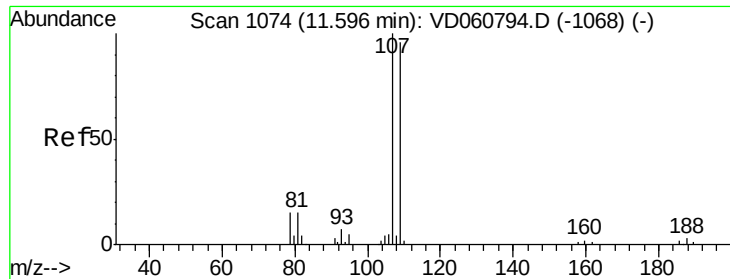
MMDadoda
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#60
Dibromochloromethane
Concen: 46.011 ug/l
RT: 11.46 min Scan# 1060
Delta R.T. -0.01 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Tgt Ion:129 Resp: 385417
Ion Ratio Lower Upper
129 100
127 76.7 38.6 115.7





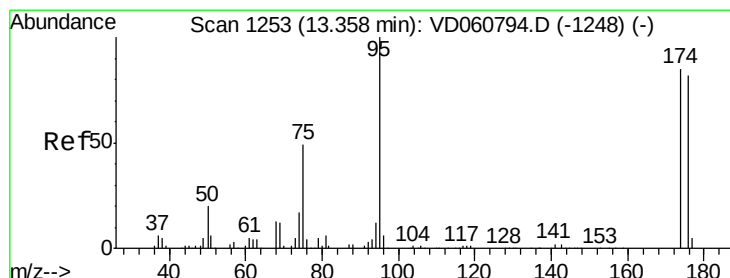
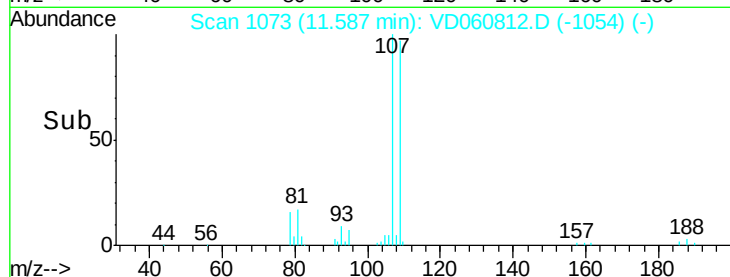
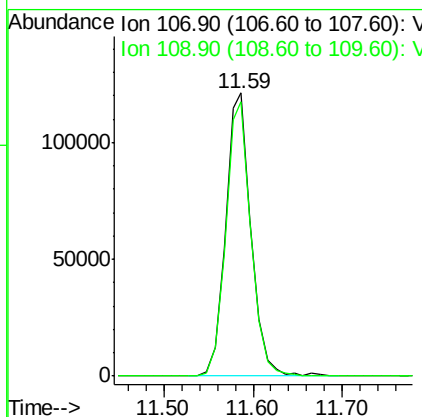
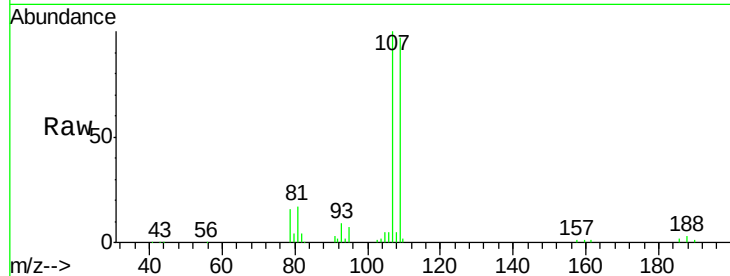
#61
 1,2-Dibromoethane
 Concen: 44.050 ug/l
 RT: 11.59 min Scan# 1073
 Delta R.T. -0.01 min
 Lab File: VD060812.D
 Acq: 1 Feb 2019 11:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	241719		
109	96.7	76.6	114.8	

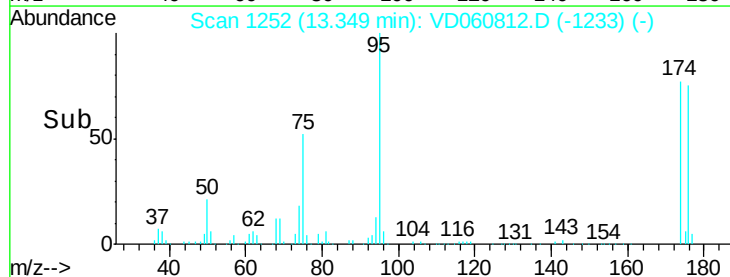
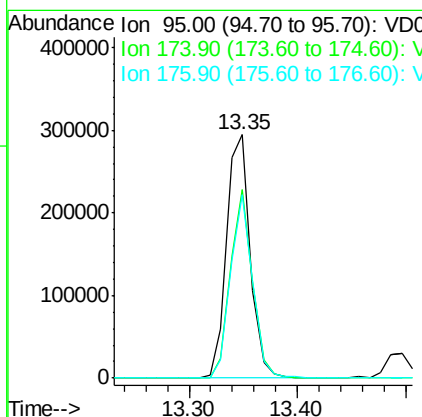
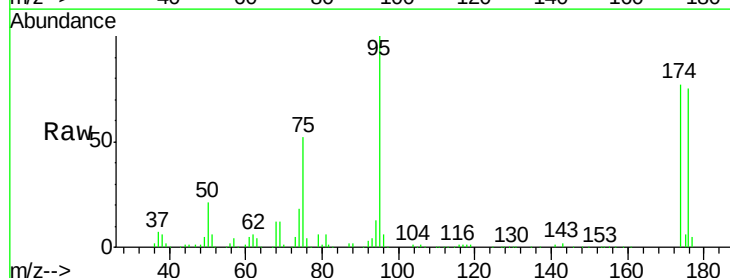
Manual Integrations
 APPROVED

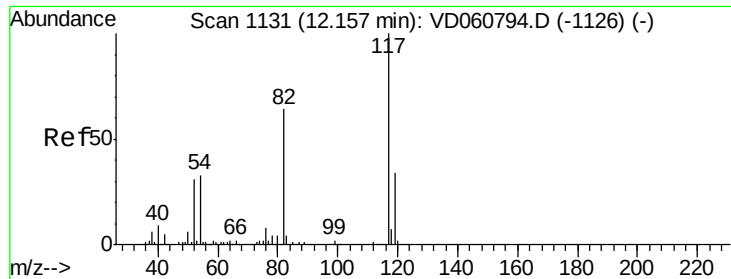
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 44.050 ug/l
 RT: 13.35 min Scan# 1252
 Delta R.T. -0.01 min
 Lab File: VD060812.D
 Acq: 1 Feb 2019 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	448935		
174	77.4	0.0	169.6	
176	75.2	0.0	163.8	





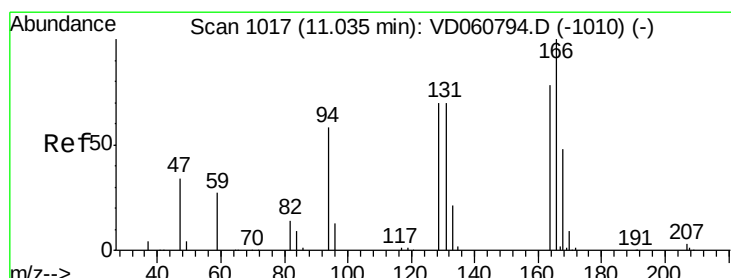
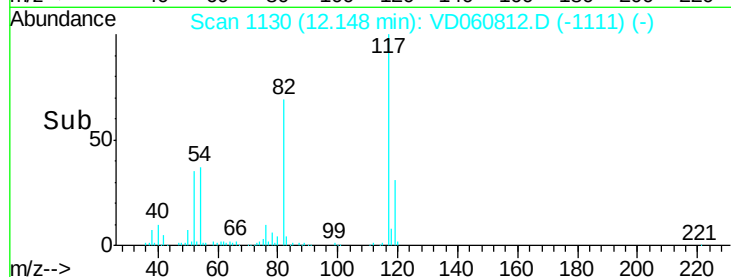
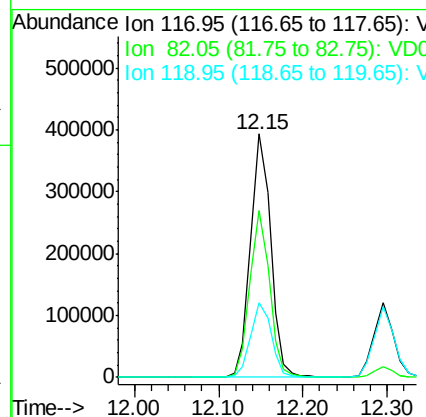
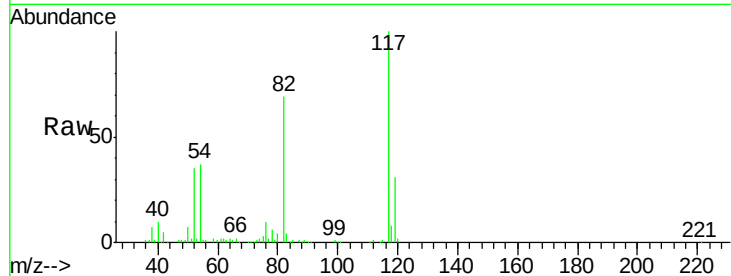
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.15 min Scan# 1130
Delta R.T. -0.01 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	68.6	51.5	77.3
119	30.6	27.1	40.7

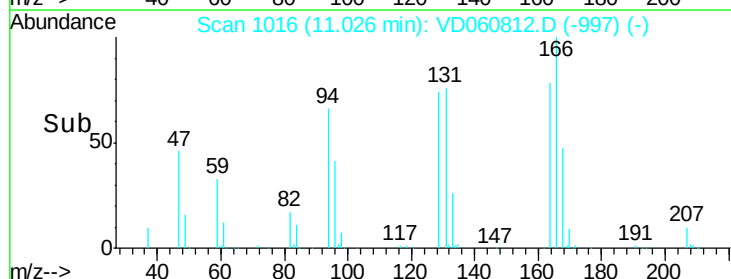
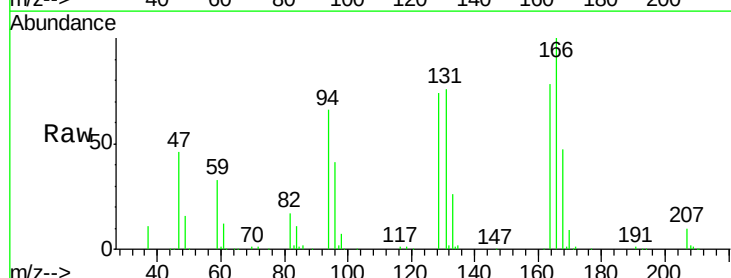
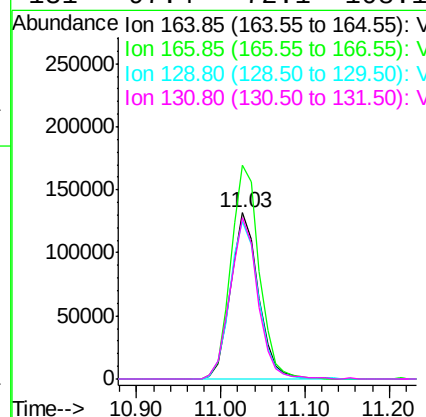
Manual Integrations
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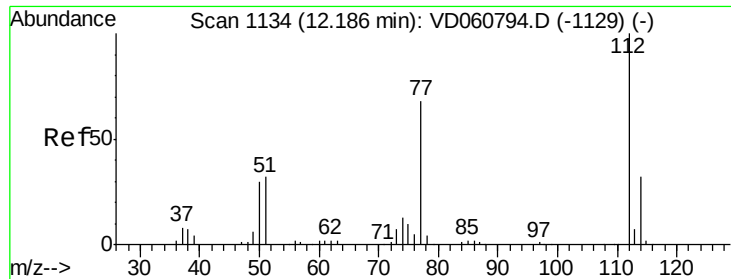
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#64
Tetrachloroethene
Concen: 49.049 ug/l
RT: 11.03 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.7	102.6	154.0
129	95.0	72.3	108.5
131	97.4	72.1	108.1





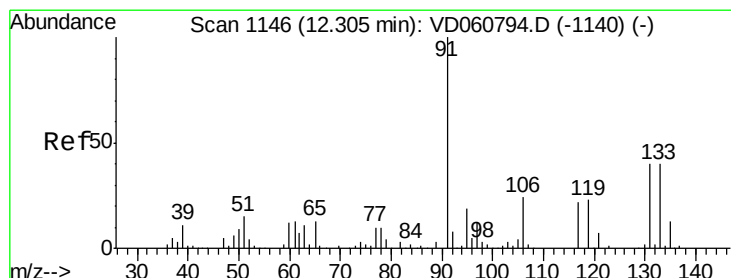
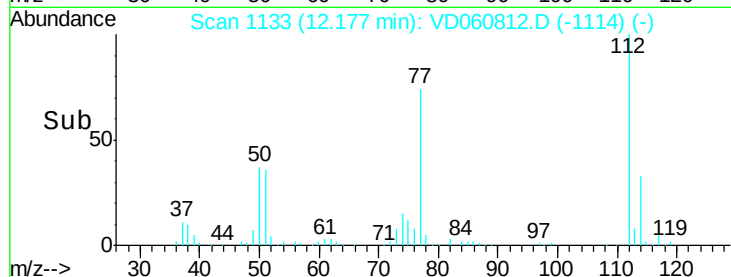
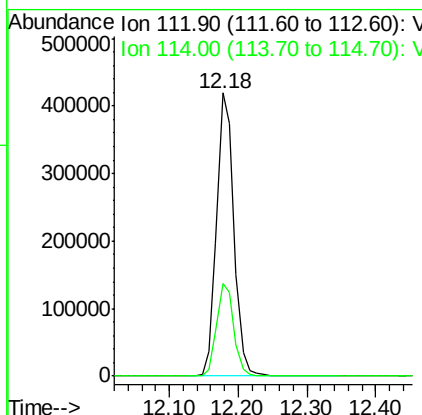
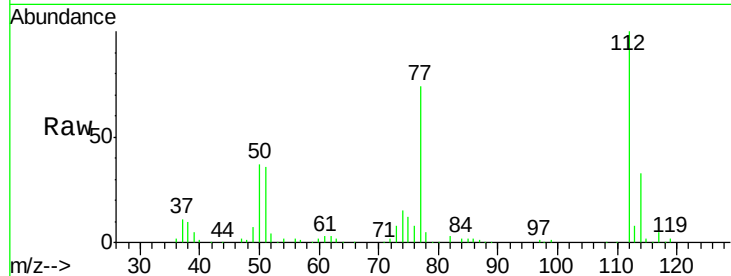
#65
Chlorobenzene
Concen: 47.622 ug/l
RT: 12.18 min Scan# 1133
Delta R.T. -0.01 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 730371
Ion Ratio Lower Upper
112 100
114 32.6 25.2 37.8

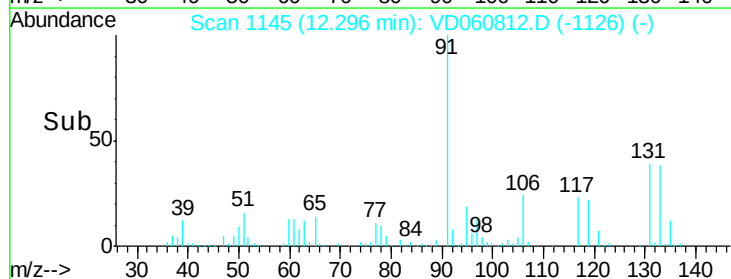
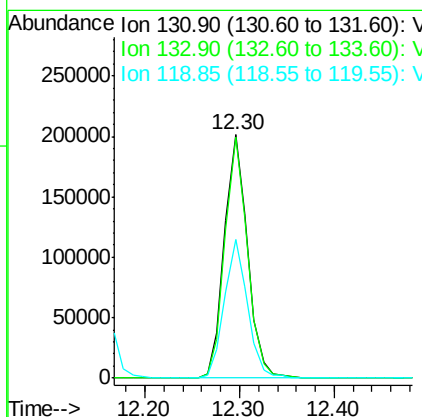
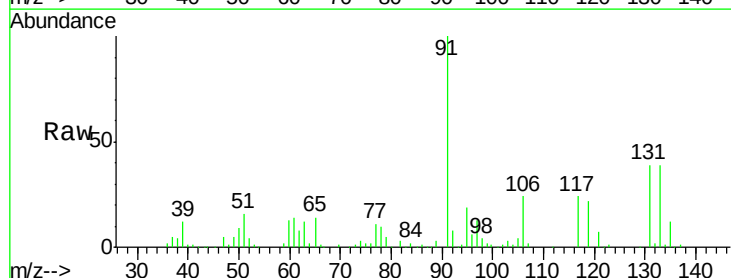
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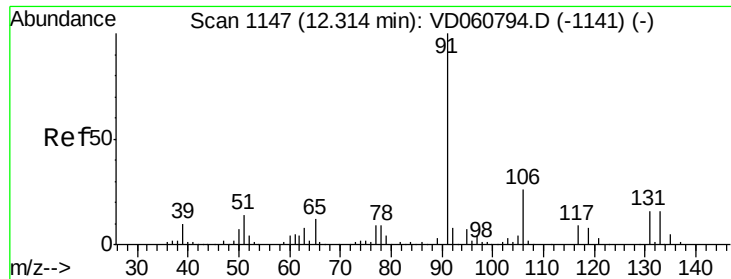
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.894 ug/l
RT: 12.30 min Scan# 1145
Delta R.T. -0.01 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Tgt Ion:131 Resp: 341941
Ion Ratio Lower Upper
131 100
133 99.0 49.9 149.7
119 56.7 28.5 85.5





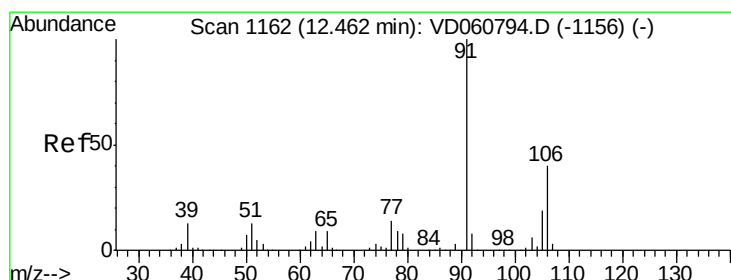
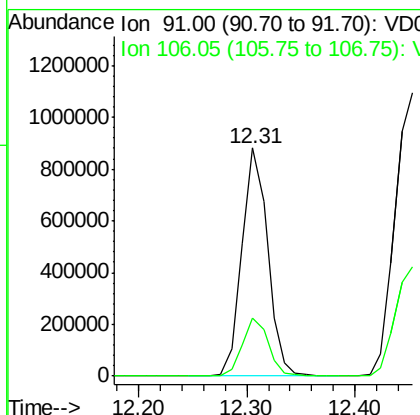
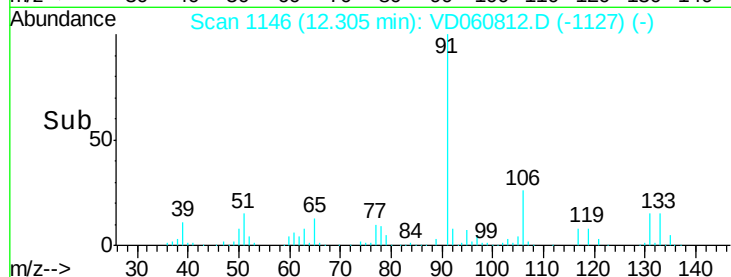
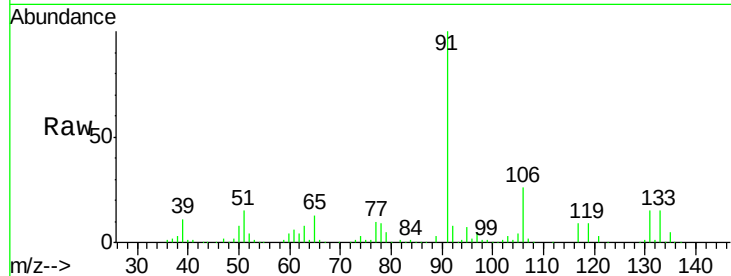
#67
Ethyl Benzene
Concen: 53.186 ug/l
RT: 12.31 min Scan# 1146
Delta R.T. -0.01 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1466795
Ion Ratio Lower Upper
91 100
106 25.7 21.0 31.6

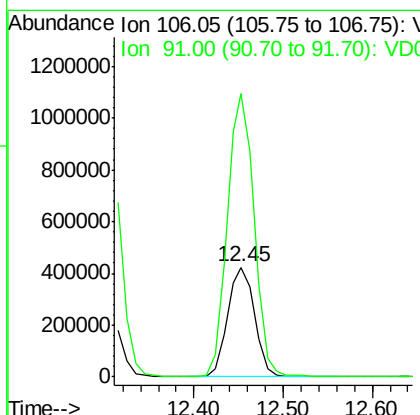
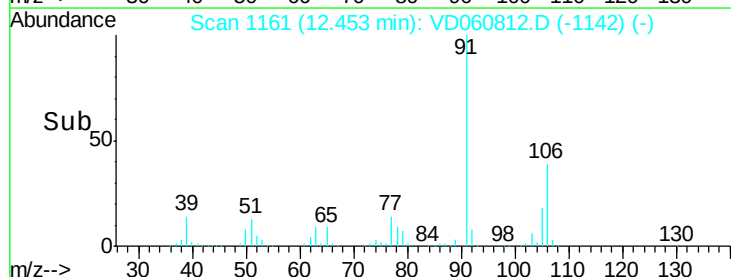
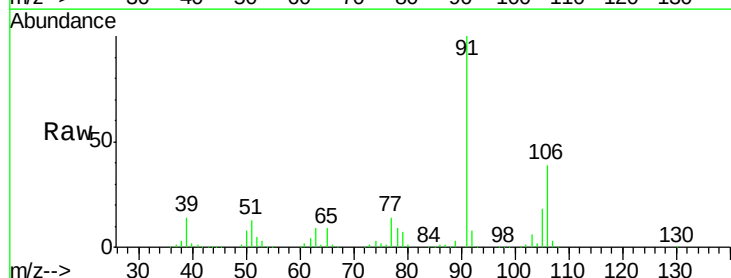
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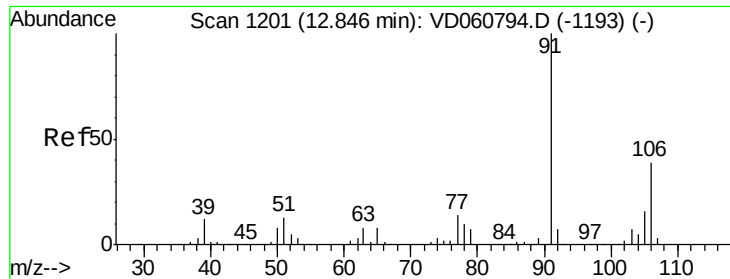
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#68
m/p-Xylenes
Concen: 100.824 ug/l
RT: 12.45 min Scan# 1161
Delta R.T. -0.01 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Tgt Ion: 106 Resp: 904643
Ion Ratio Lower Upper
106 100
91 257.5 200.5 300.7





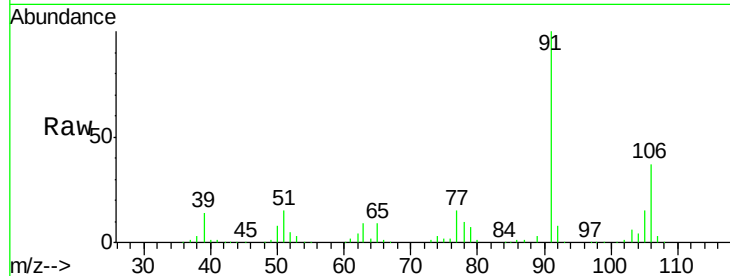
#69
o-Xylene
Concen: 45.401 ug/l
RT: 12.84 min Scan# 1200
Delta R.T. -0.01 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

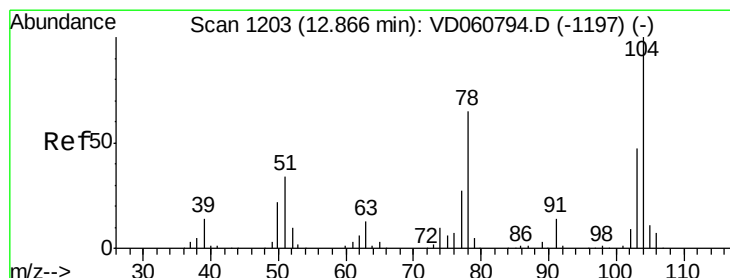
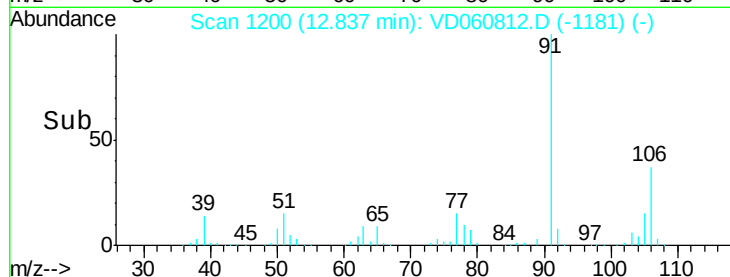
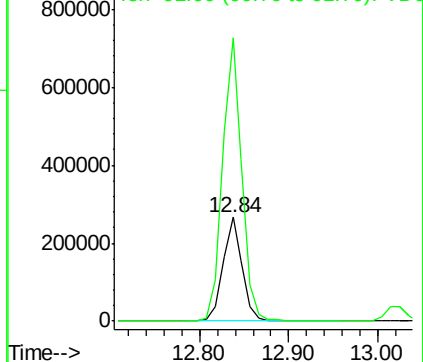
Tot Ion:106 Resp: 403179
Ion Ratio Lower Upper
106 100
91 272.8 127.6 382.7

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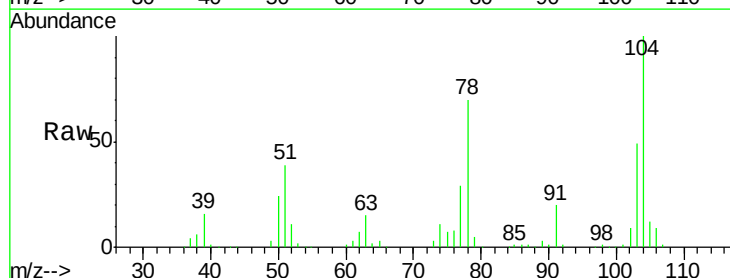


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

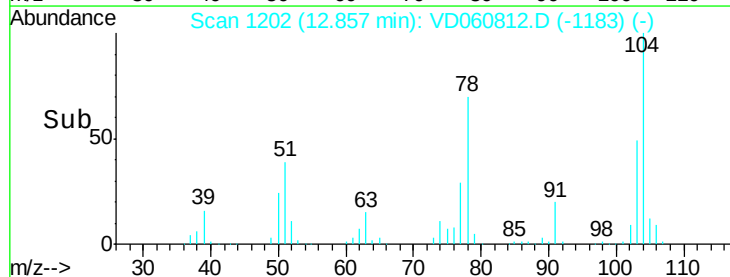
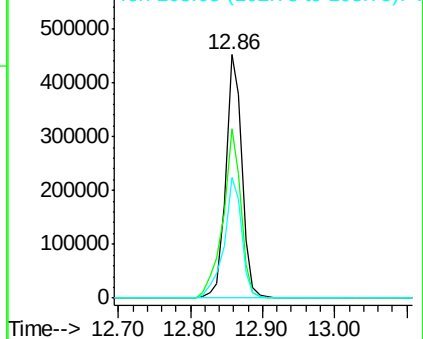


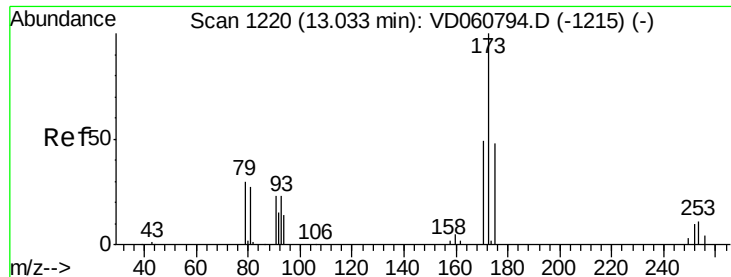
#70
Styrene
Concen: 47.059 ug/l
RT: 12.86 min Scan# 1202
Delta R.T. -0.01 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Tgt Ion:104 Resp: 700802
Ion Ratio Lower Upper
104 100
78 69.7 52.0 78.0
103 49.4 37.7 56.5



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





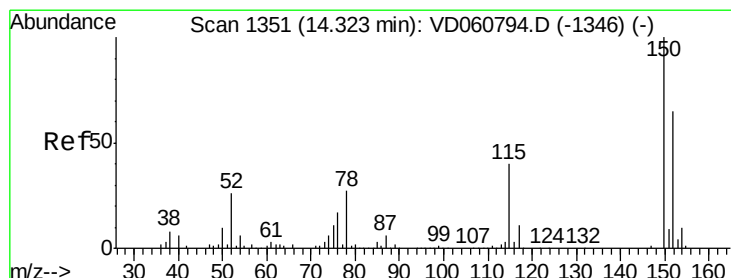
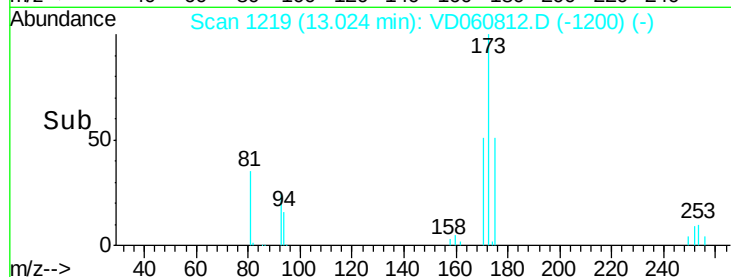
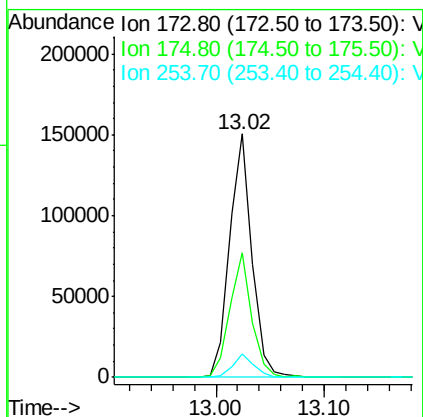
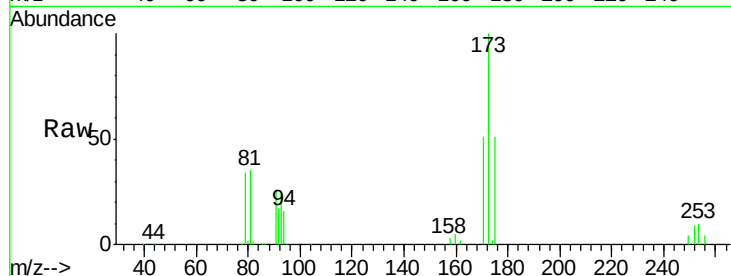
#71
Bromoform
Concen: 43.626 ug/l
RT: 13.02 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.3	24.1	72.4
254	9.7	9.1	13.7

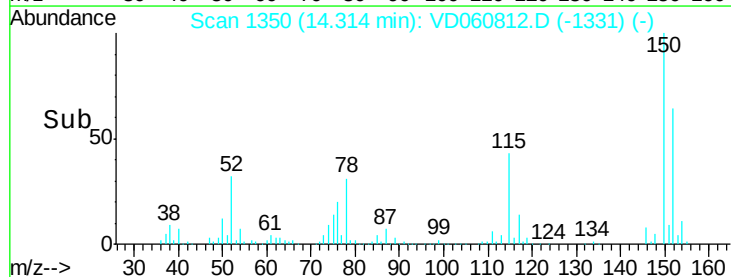
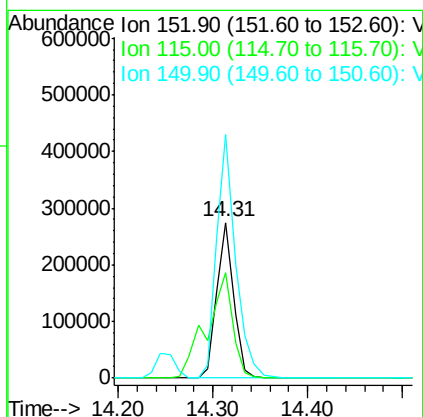
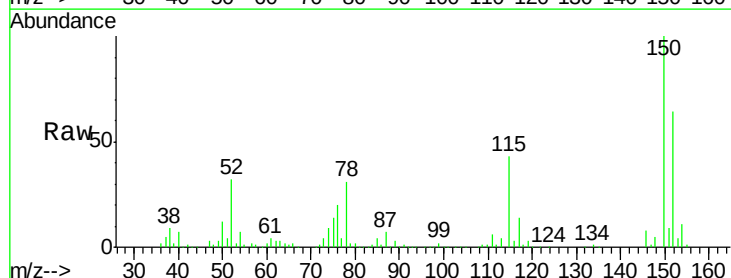
Manual Integrations
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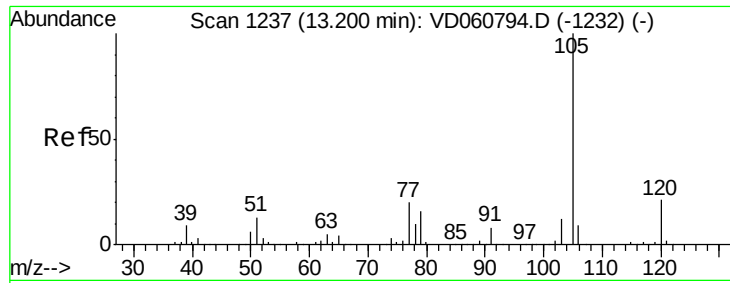
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.31 min Scan# 1350
Delta R.T. -0.01 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	67.8	31.6	95.0
150	156.5	0.0	317.6





#73

Isopropylbenzene

Concen: 52.646 ug/l

RT: 13.19 min Scan# 1236

Delta R.T. -0.01 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1426585

Ion Ratio Lower Upper

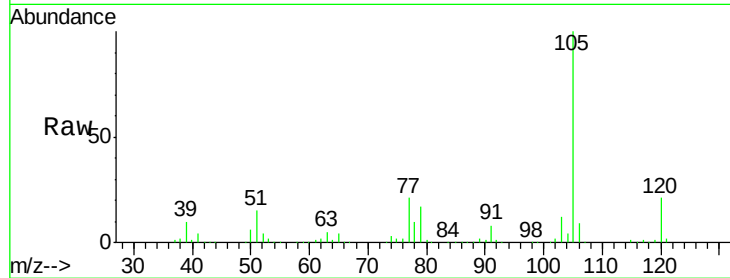
105 100

120 21.0 10.7 32.1

Manual Integrations
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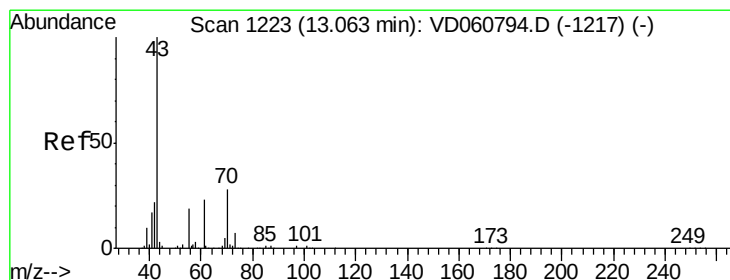
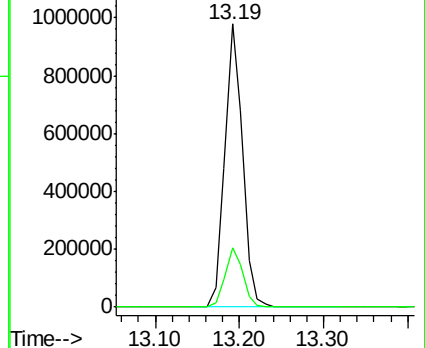
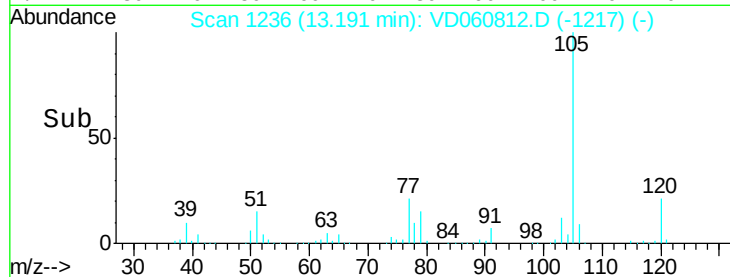
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 40.414 ug/l

RT: 13.05 min Scan# 1222

Delta R.T. -0.01 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Tgt Ion: 43 Resp: 336669

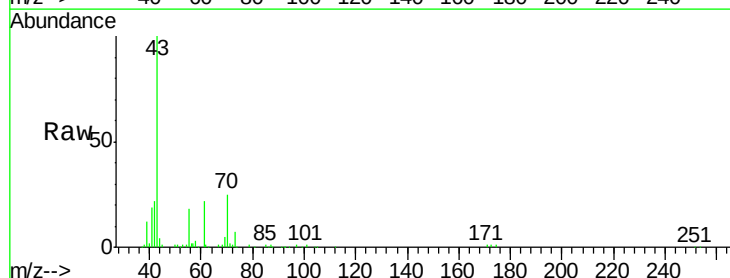
Ion Ratio Lower Upper

43 100

70 24.9 22.2 33.4

55 18.5 15.5 23.3

61 21.9 18.4 27.6

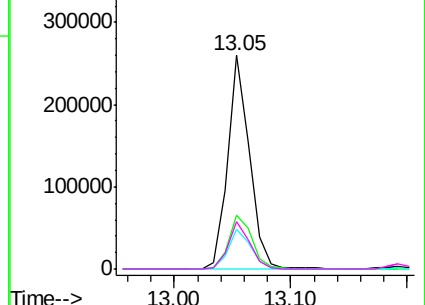
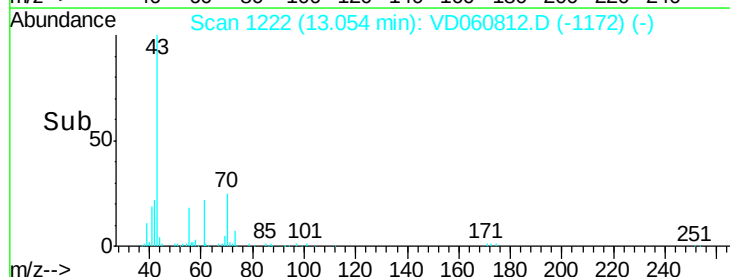


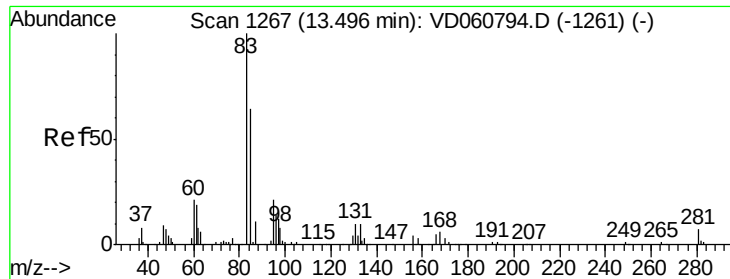
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 43.349 ug/l

RT: 13.50 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 213884

Ion Ratio Lower Upper

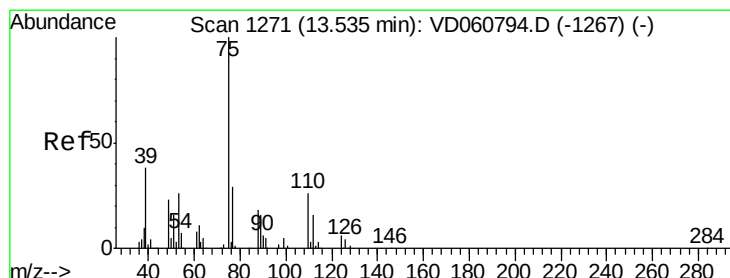
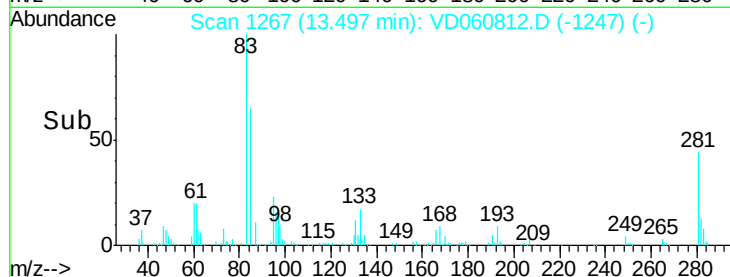
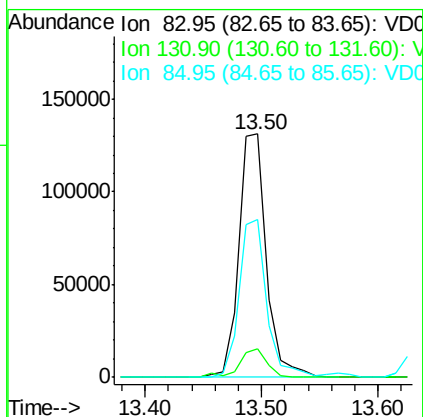
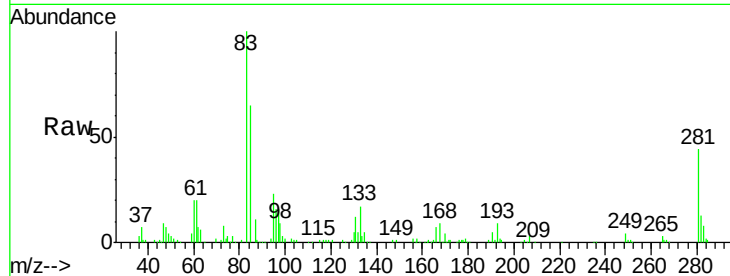
83 100

131 11.9 5.0 15.0

85 64.9 31.8 95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 45.074 ug/l

RT: 13.53 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD060812.D

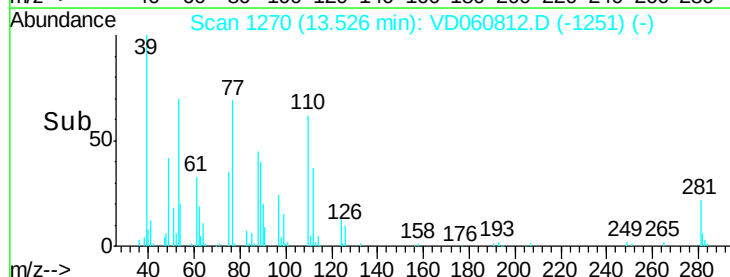
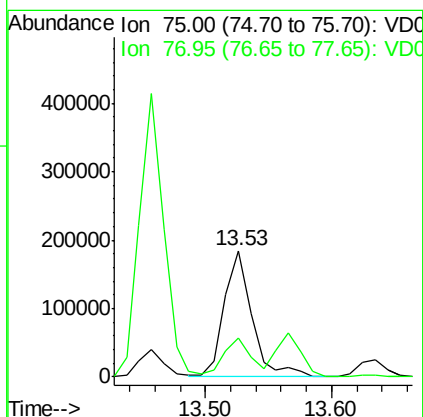
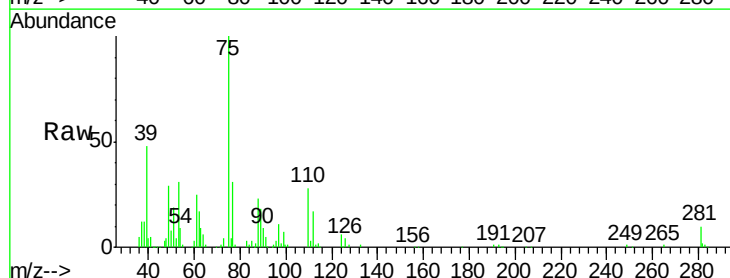
Acq: 1 Feb 2019 11:23

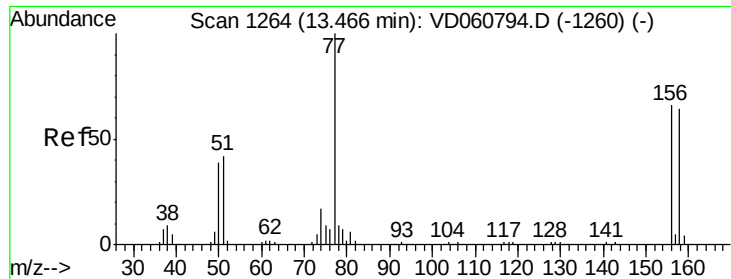
Tgt Ion: 75 Resp: 280912

Ion Ratio Lower Upper

75 100

77 31.3 15.9 47.7





#77

Bromobenzene

Concen: 48.014 ug/l

RT: 13.46 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Instrument :

MSVOA_D

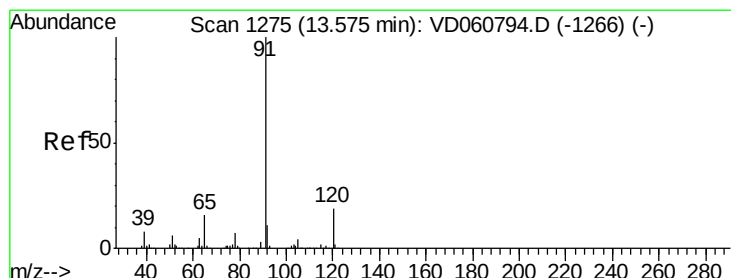
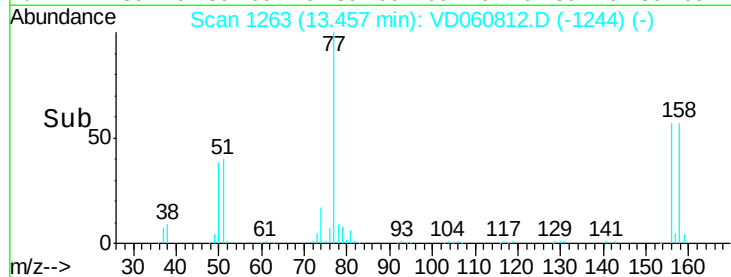
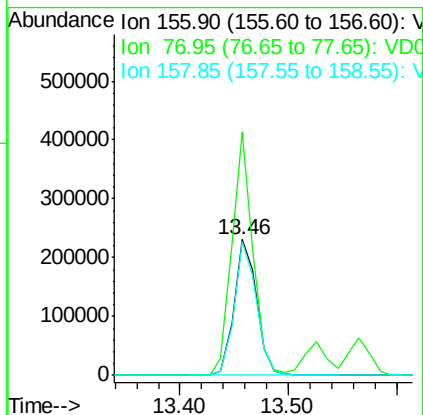
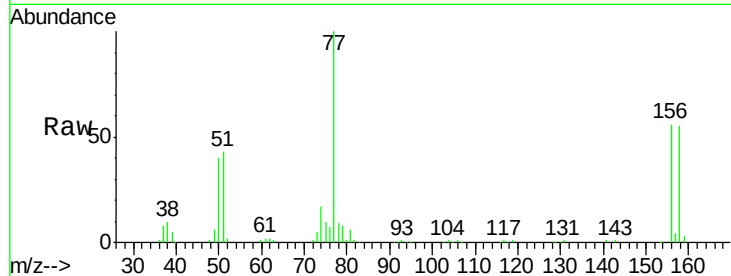
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	179.7	76.0	228.0		
158	98.5	48.4	145.0		

Manual Integrations
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#78

n-propylbenzene

Concen: 52.698 ug/l

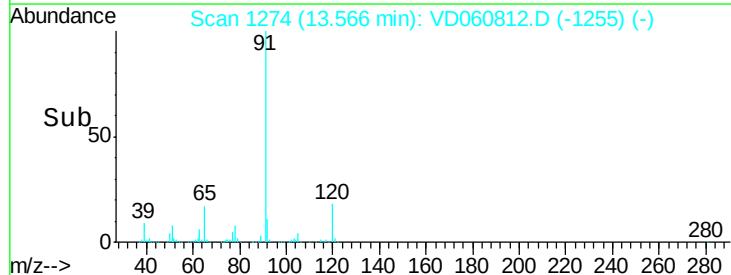
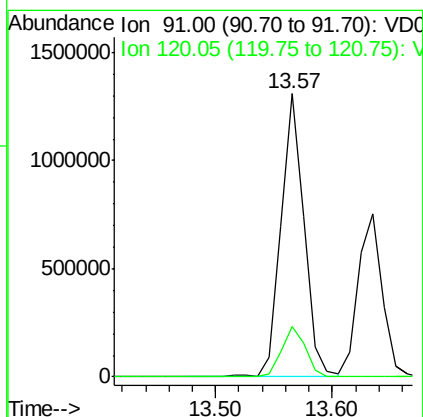
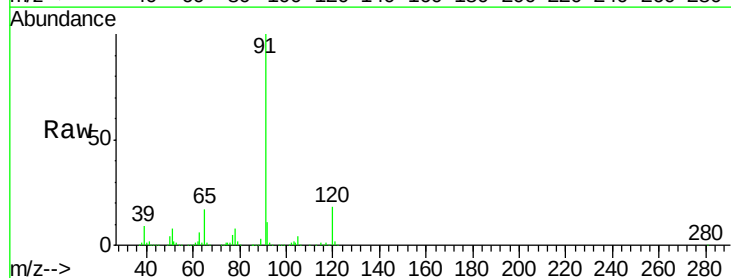
RT: 13.57 min Scan# 1274

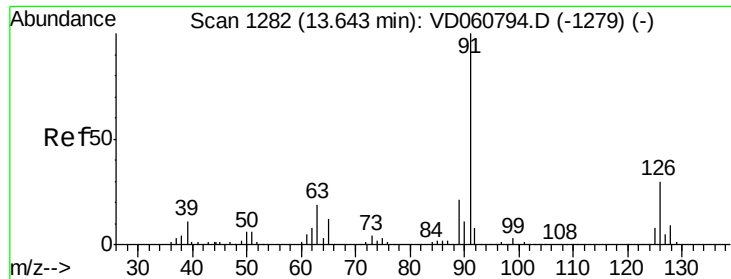
Delta R.T. -0.01 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	17.9	9.7	28.9		





#79

2-Chlorotoluene

Concen: 52.272 ug/l

RT: 13.63 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050

Tot Ion: 91 Resp: 1084546

Ion Ratio Lower Upper

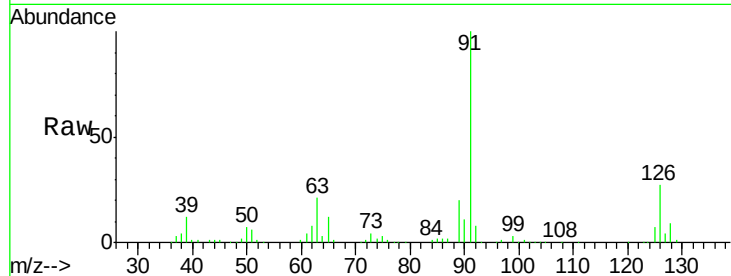
91 100

126 26.7 14.7 44.1

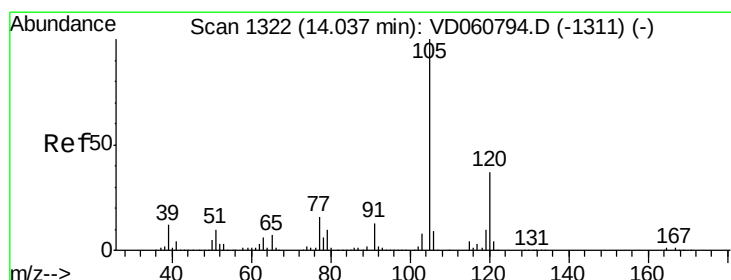
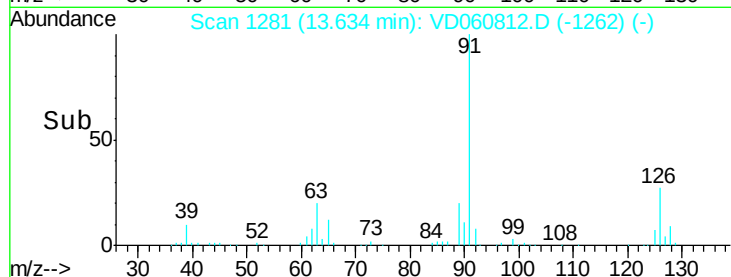
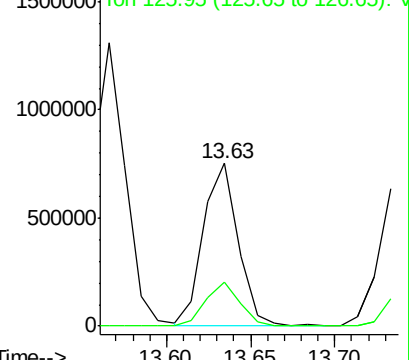
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VD060794.D (-1279) (-)



#80

1,3,5-Trimethylbenzene

Concen: 53.189 ug/l

RT: 14.03 min Scan# 1321

Delta R.T. -0.01 min

Lab File: VD060812.D

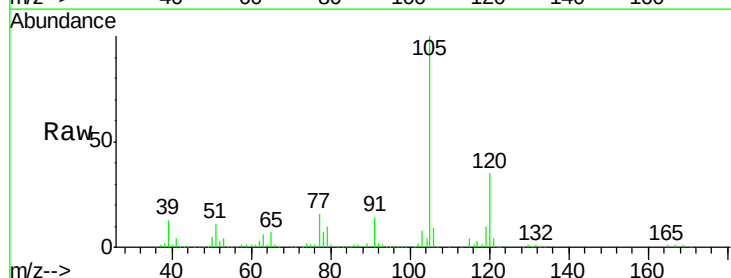
Acq: 1 Feb 2019 11:23

Tgt Ion: 105 Resp: 1240783

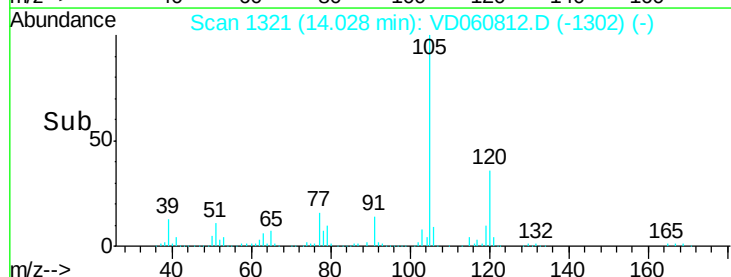
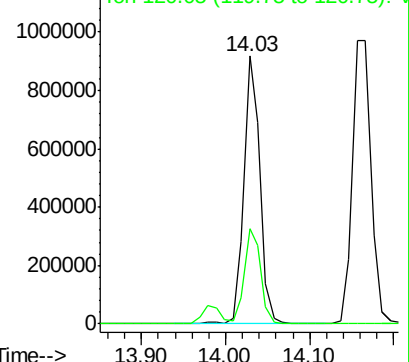
Ion Ratio Lower Upper

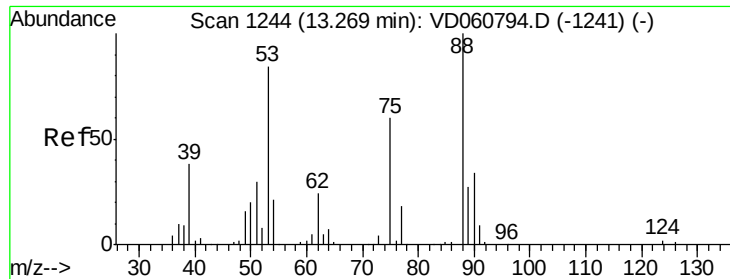
105 100

120 35.5 18.4 55.2



Abundance Ion 105.05 (104.75 to 105.75): VD060794.D (-1311) (-)





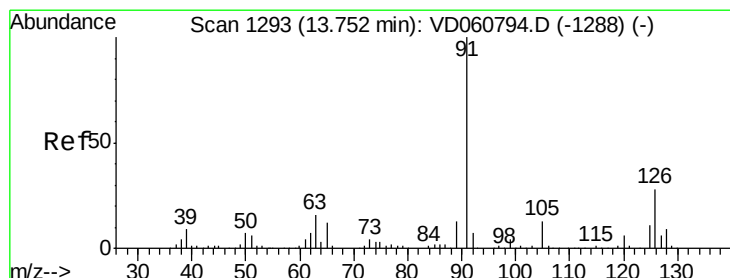
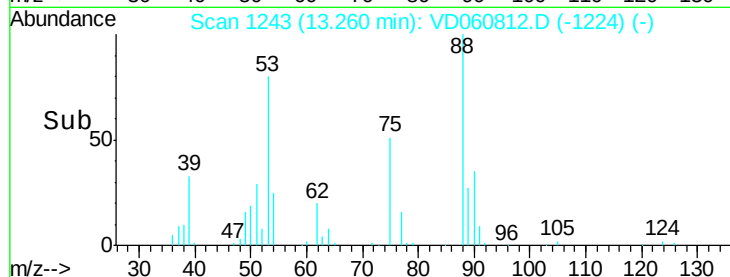
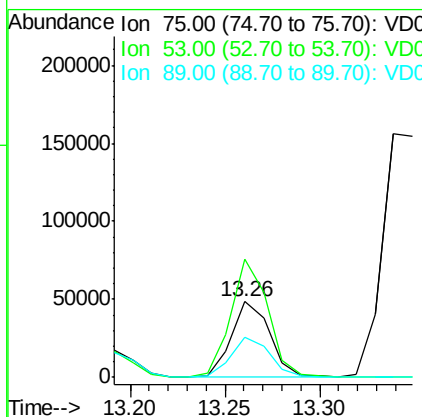
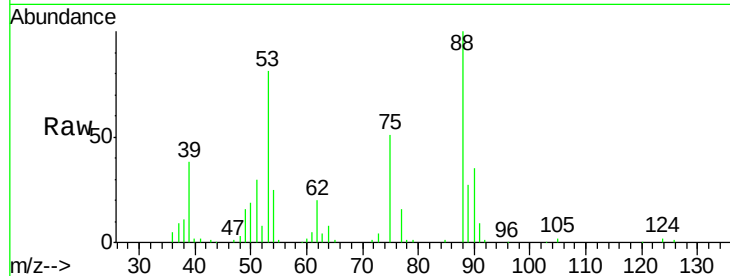
#81
trans-1,4-Dichloro-2-butene
Concen: 42.169 ug/l
RT: 13.26 min Scan# 1243
Delta R.T. -0.01 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	157.3	111.6	167.4
89	52.4	35.9	53.9

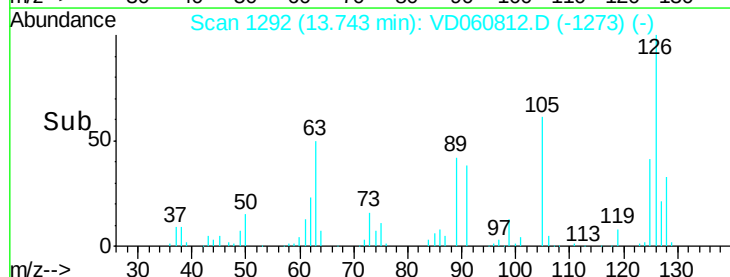
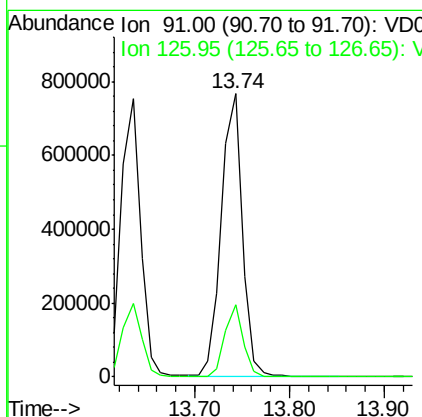
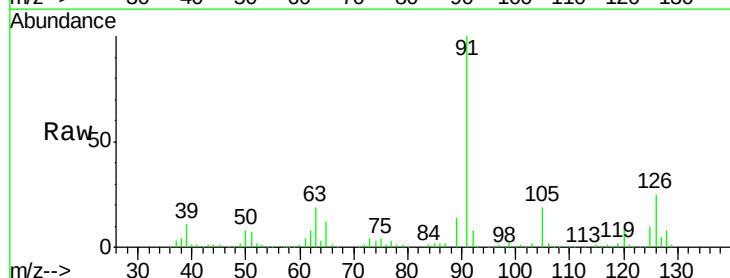
Manual Integrations
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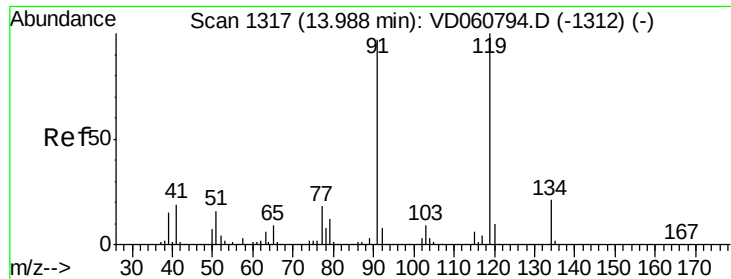
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#82
4-Chlorotoluene
Concen: 51.407 ug/l
RT: 13.74 min Scan# 1292
Delta R.T. -0.01 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	25.3	13.9	41.7





#83

tert-Butylbenzene

Concen: 52.128 ug/l

RT: 13.98 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:119 Resp: 1272262

Ion Ratio Lower Upper

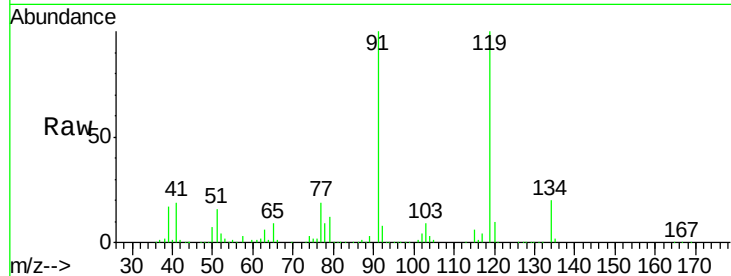
119 100

91 99.8 48.5 145.5

134 19.6 10.3 30.8

Manual Integrations
APPROVED

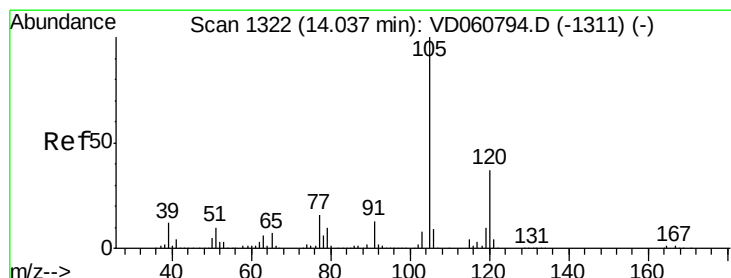
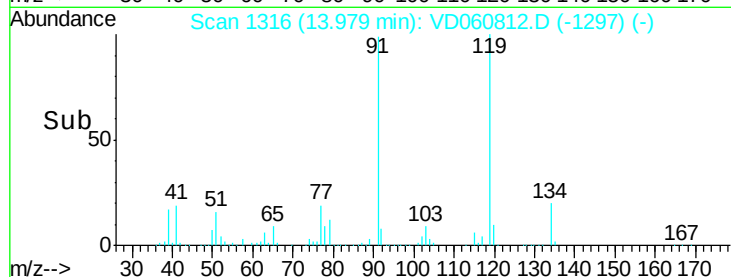
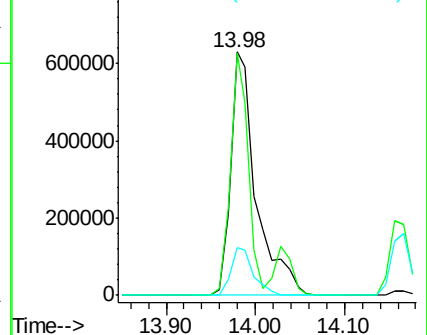
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Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 53.189 ug/l

RT: 14.03 min Scan# 1321

Delta R.T. -0.01 min

Lab File: VD060812.D

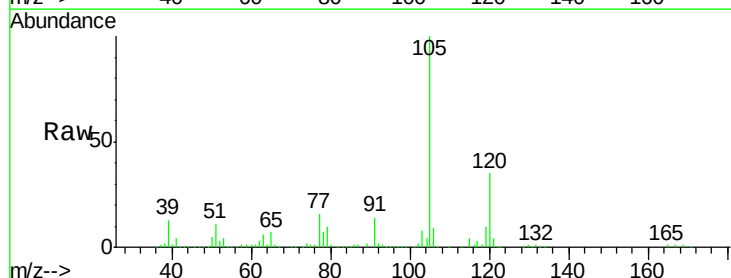
Acq: 1 Feb 2019 11:23

Tgt Ion:105 Resp: 1240783

Ion Ratio Lower Upper

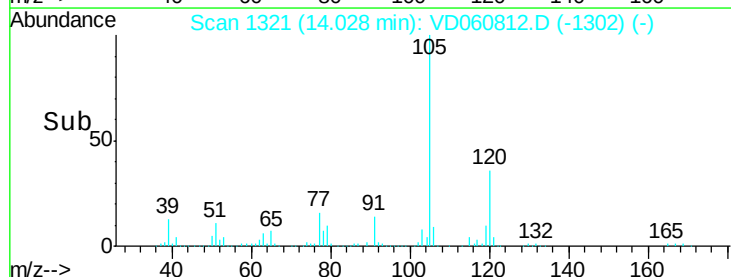
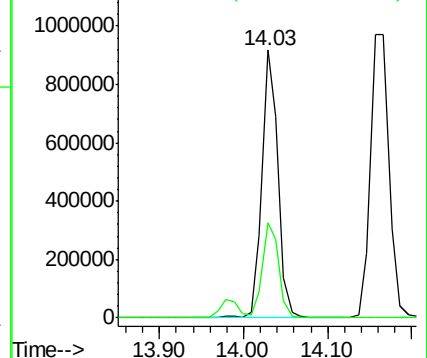
105 100

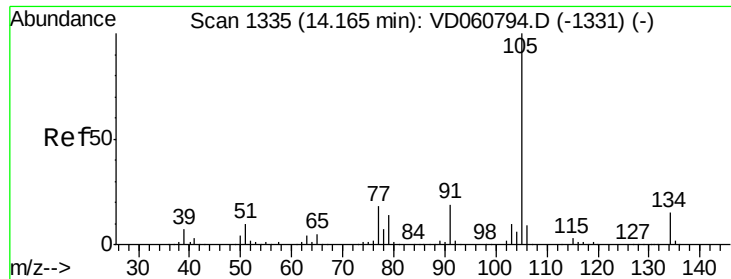
120 35.5 18.4 55.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





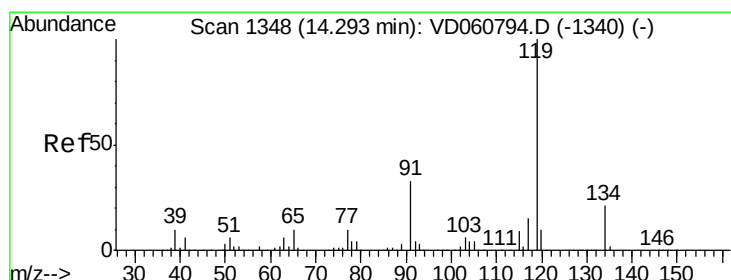
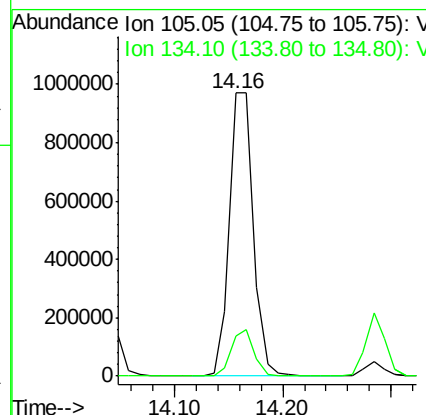
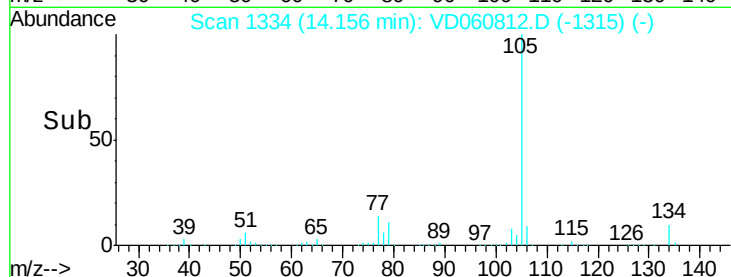
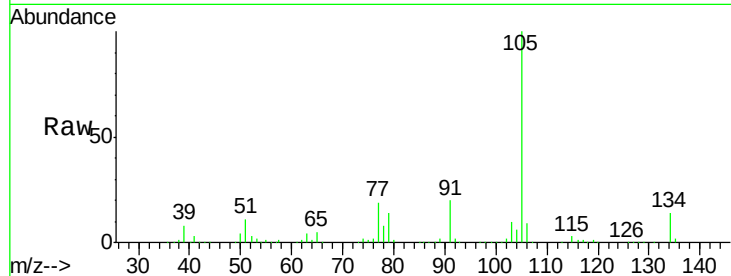
#85
 sec-Butylbenzene
 Concen: 53.815 ug/l
 RT: 14.16 min Scan# 1334
 Delta R.T. -0.01 min
 Lab File: VD060812.D
 Acq: 1 Feb 2019 11:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1495104
 Ion Ratio Lower Upper
 105 100
 134 14.4 7.4 22.2

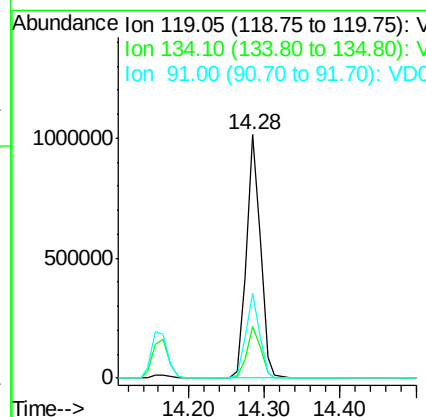
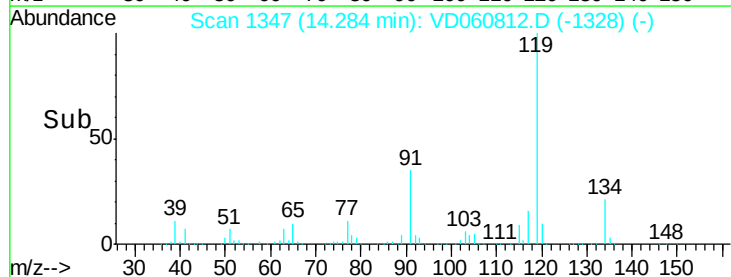
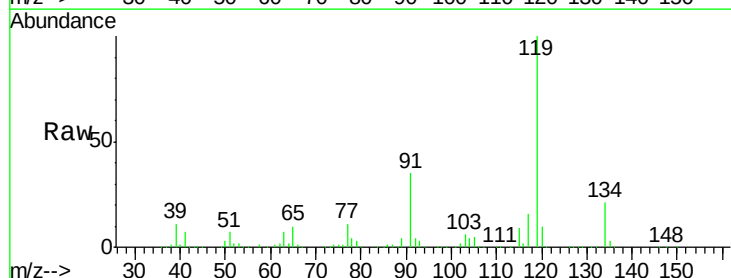
Manual Integrations
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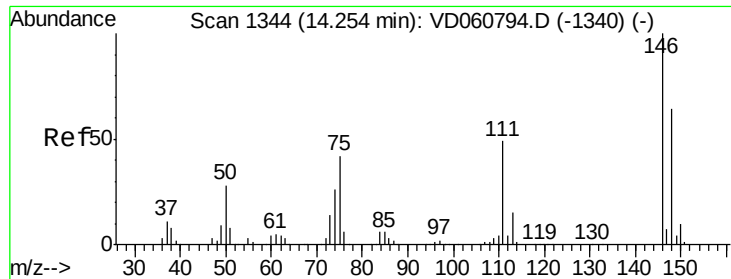
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#86
 p-Isopropyltoluene
 Concen: 56.557 ug/l
 RT: 14.28 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VD060812.D
 Acq: 1 Feb 2019 11:23

Tgt Ion:119 Resp: 1275704
 Ion Ratio Lower Upper
 119 100
 134 21.4 10.8 32.3
 91 34.9 16.7 50.0





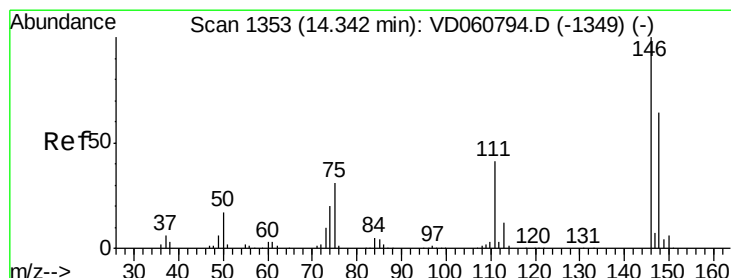
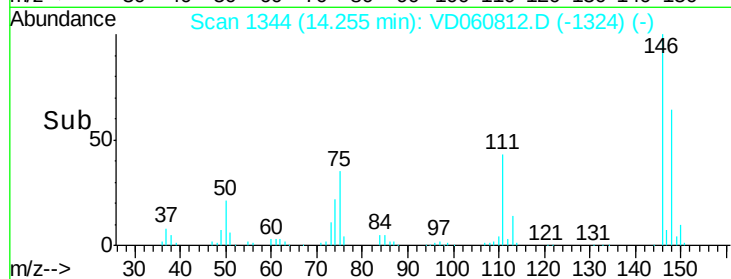
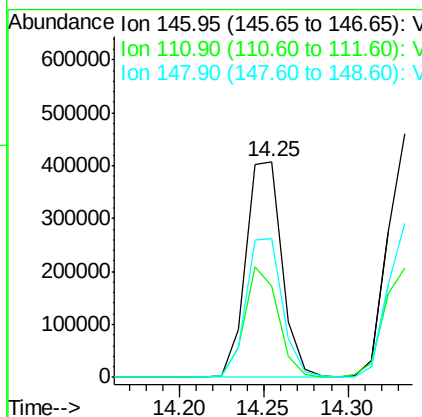
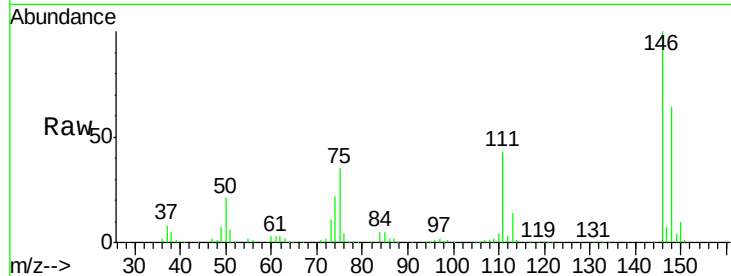
#87
 1,3-Dichlorobenzene
 Concen: 48.781 ug/l
 RT: 14.25 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: VD060812.D
 Acq: 1 Feb 2019 11:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	24.3	73.0
148	64.3	32.1	96.5

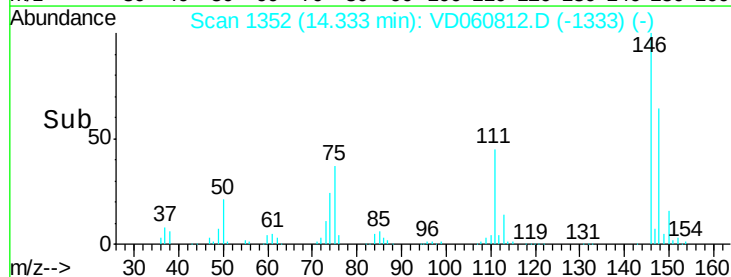
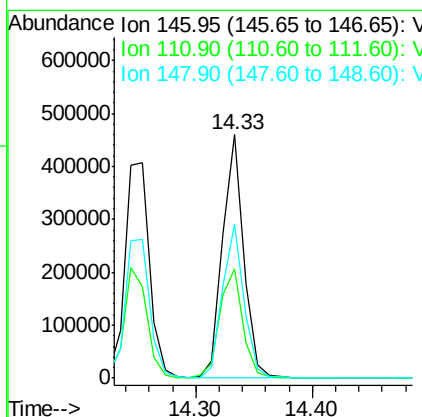
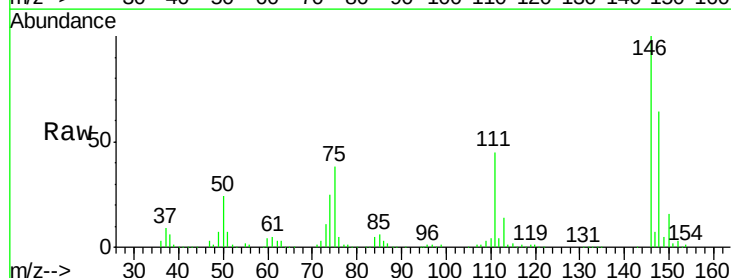
Manual Integrations
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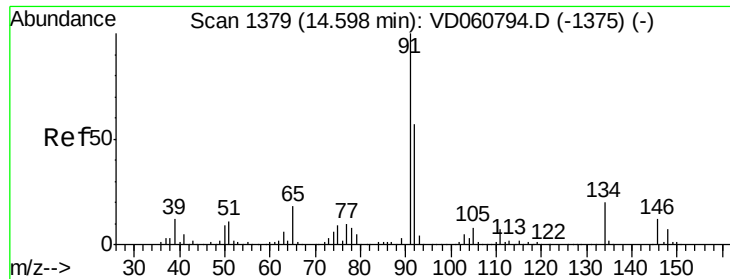
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#88
 1,4-Dichlorobenzene
 Concen: 47.813 ug/l
 RT: 14.33 min Scan# 1352
 Delta R.T. -0.01 min
 Lab File: VD060812.D
 Acq: 1 Feb 2019 11:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.7	20.6	61.8
148	63.5	31.9	95.7





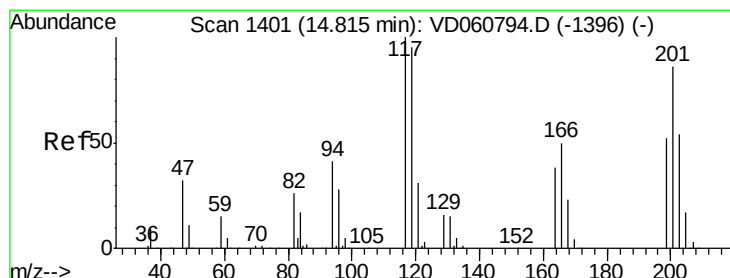
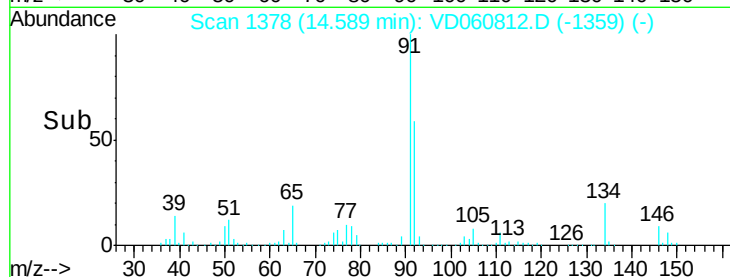
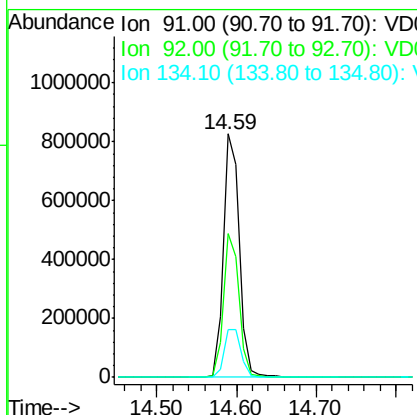
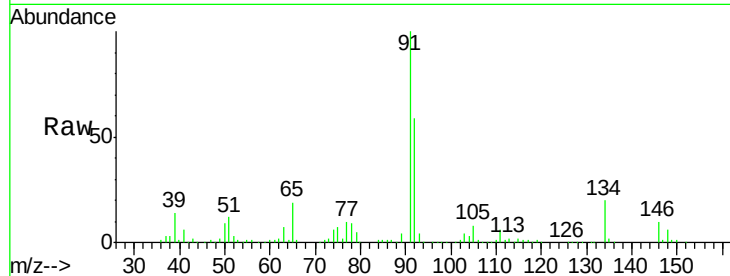
#89
n-Butylbenzene
Concen: 49.676 ug/l
RT: 14.59 min Scan# 1378
Delta R.T. -0.01 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1169078
Ion Ratio Lower Upper
91 100
92 59.1 28.5 85.5
134 19.5 10.0 29.8

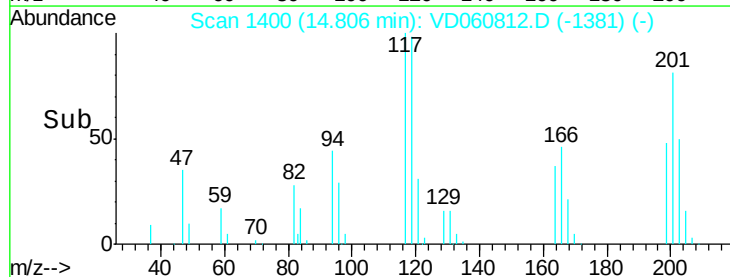
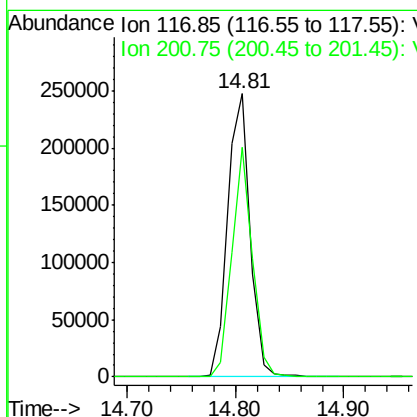
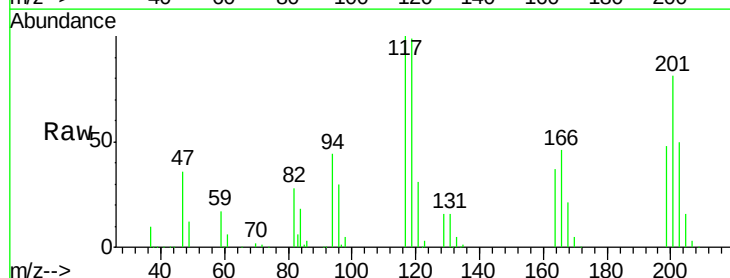
Manual Integrations
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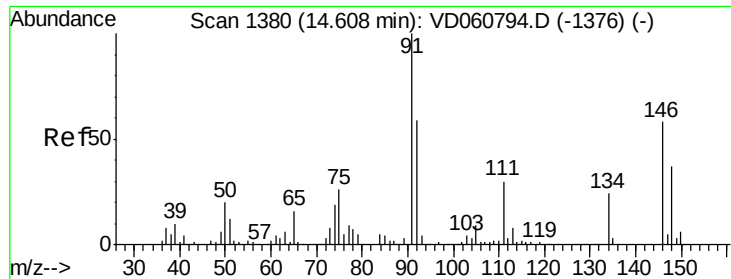
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#90
Hexachloroethane
Concen: 53.236 ug/l
RT: 14.81 min Scan# 1400
Delta R.T. -0.01 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Tgt Ion: 117 Resp: 357336
Ion Ratio Lower Upper
117 100
201 80.9 43.0 128.8





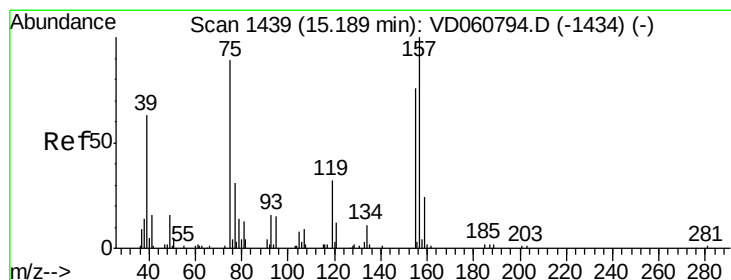
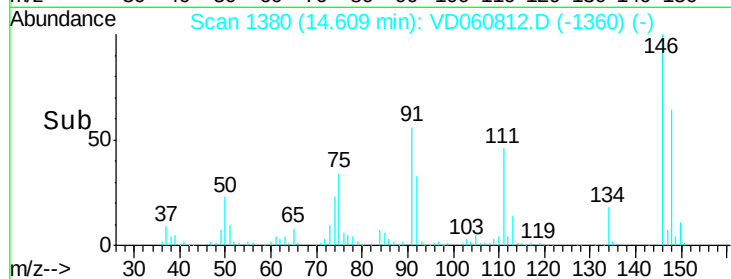
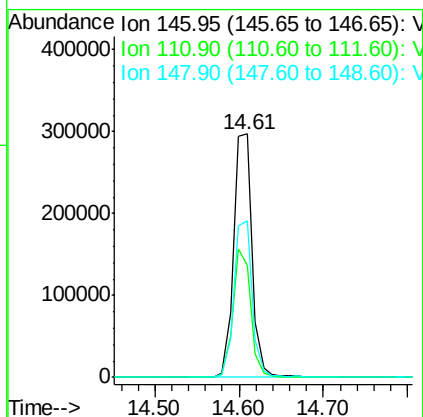
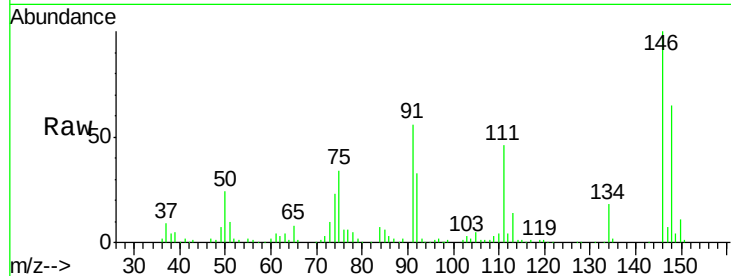
#91
 1,2-Dichlorobenzene
 Concen: 43.879 ug/l
 RT: 14.61 min Scan# 1380
 Delta R.T. 0.00 min
 Lab File: VD060812.D
 Acq: 1 Feb 2019 11:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.9	25.6	76.8
148	64.5	31.4	94.3

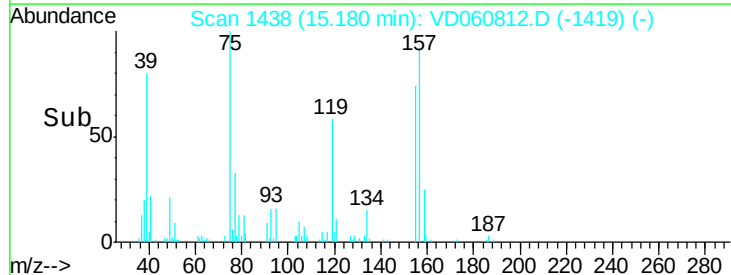
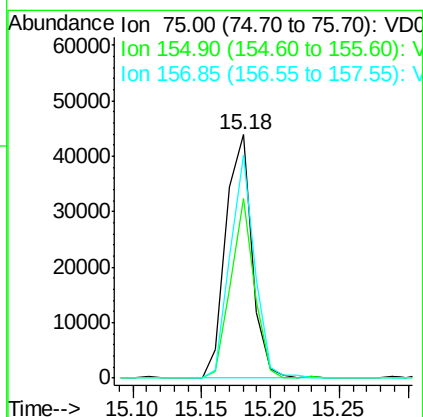
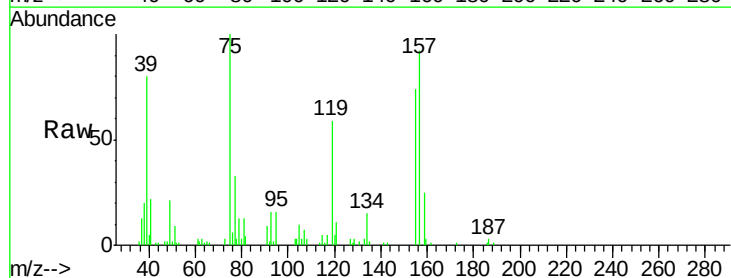
Manual Integrations
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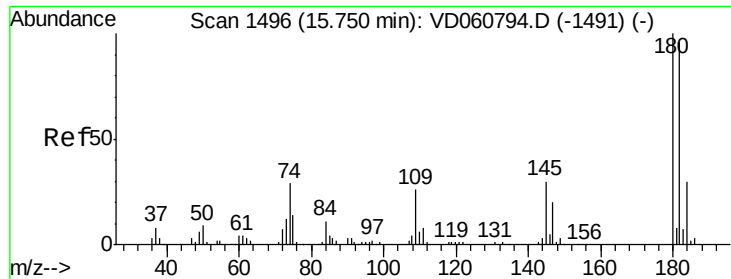
MMDadoda
 2/4/2019 4:42:38 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.345 ug/l
 RT: 15.18 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: VD060812.D
 Acq: 1 Feb 2019 11:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.8	43.0	129.0
157	91.6	56.3	168.9





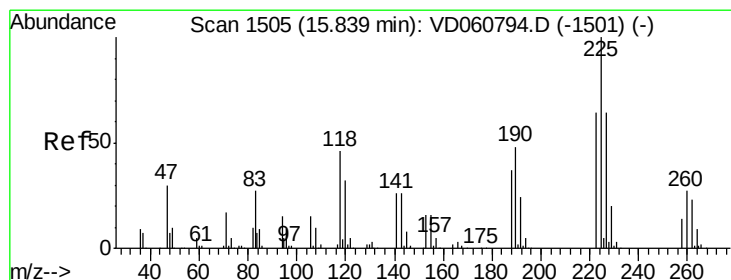
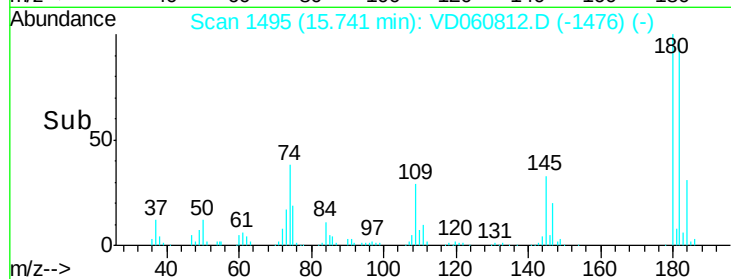
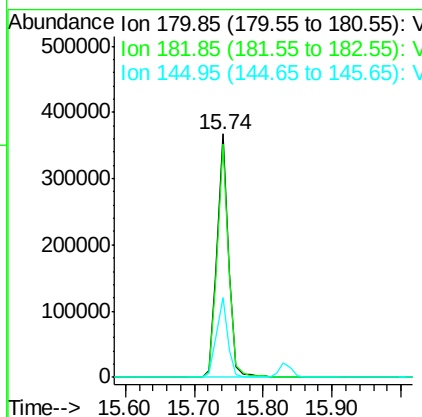
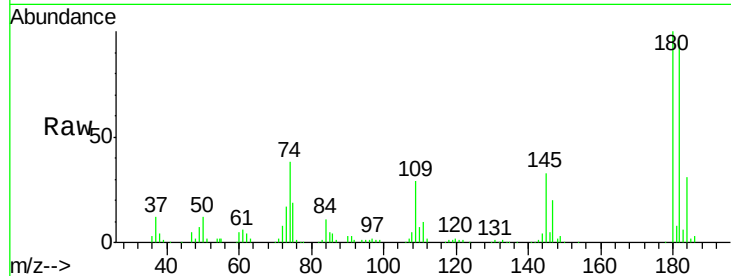
#93
 1,2,4-Trichlorobenzene
 Concen: 47.563 ug/l
 RT: 15.74 min Scan# 1495
 Delta R.T. -0.01 min
 Lab File: VD060812.D
 Acq: 1 Feb 2019 11:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	425900		
182	96.1	47.9	143.7	
145	32.6	15.0	45.1	

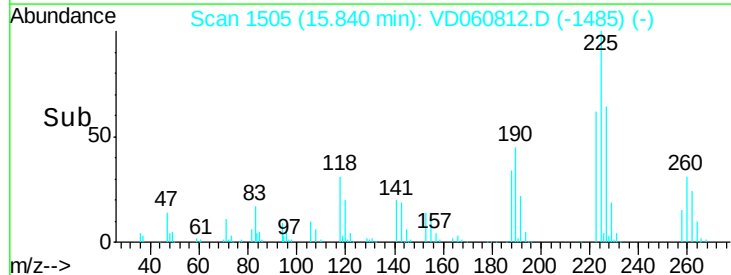
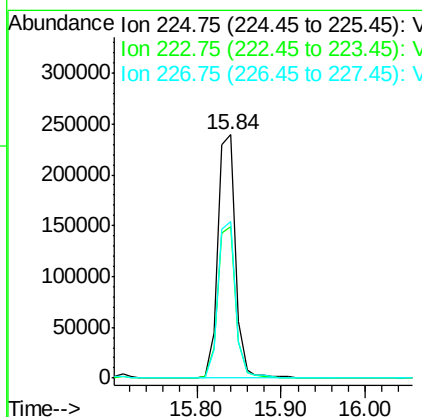
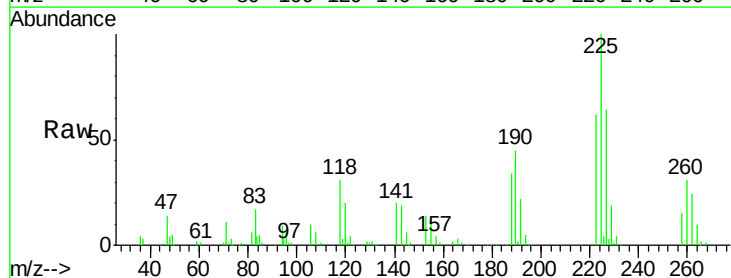
Manual Integrations
 APPROVED

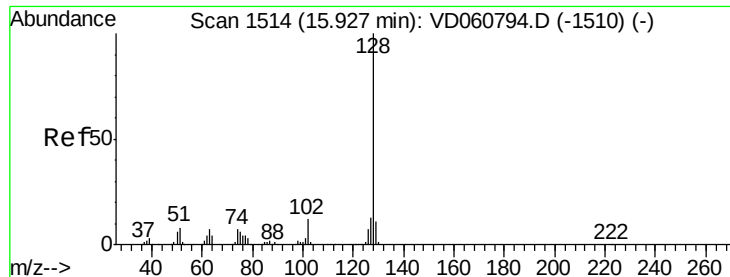
MMDadoda
 2/4/2019 4:42:38 PM



#94
 Hexachlorobutadiene
 Concen: 52.159 ug/l
 RT: 15.84 min Scan# 1505
 Delta R.T. 0.00 min
 Lab File: VD060812.D
 Acq: 1 Feb 2019 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	350429		
223	62.2	31.8	95.4	
227	64.5	31.9	95.5	





#95

Naphthalene

Concen: 42.791 ug/l

RT: 15.92 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Instrument :

MSVOA_D

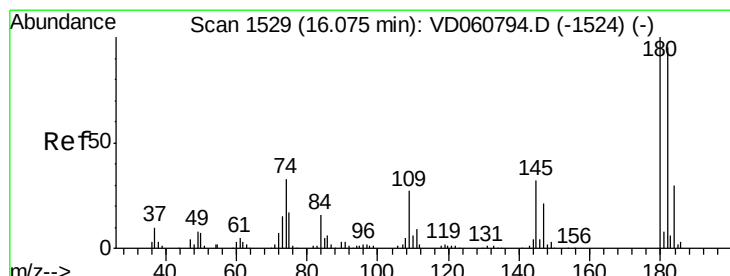
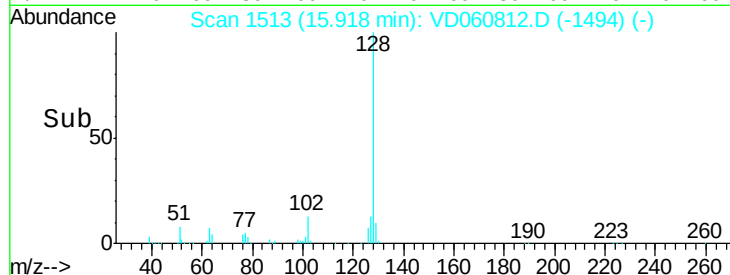
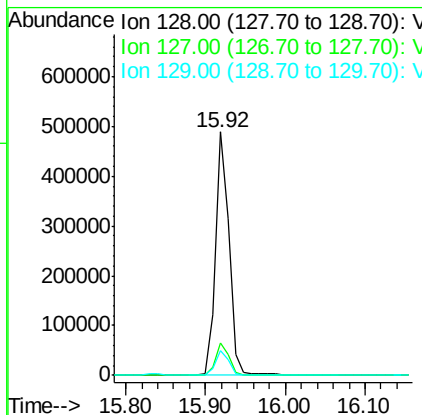
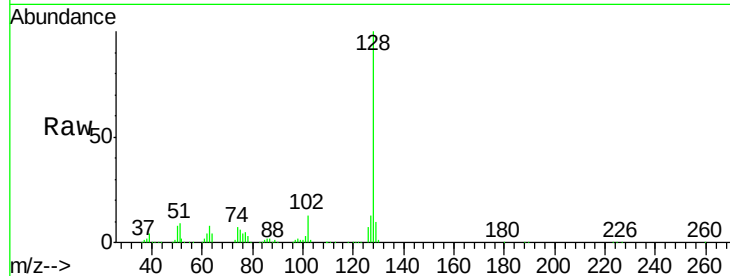
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	588723
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.4	15.6
129	10.2	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/4/2019 4:42:38 PM



#96

1,2,3-Trichlorobenzene

Concen: 42.042 ug/l

RT: 16.07 min Scan# 1528

Delta R.T. -0.01 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Tgt Ion:	180	Resp:	327351
Ion Ratio	Lower	Upper	
180	100		
182	94.1	47.4	142.3
145	34.0	15.8	47.4

