

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091918\
 Data File : VD060036.D
 Acq On : 19 Sep 2018 10:34
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/21/2018 5:02:13 PM

Quant Time: Sep 21 16:09:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	1755325	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	7.45	114	2398323	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.29	117	1923339	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	1039977	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	626685	45.78	ug/l	0.03
Spiked Amount	50.000		Recovery	=	91.56%	
35) Dibromofluoromethane	6.33	113	878220	46.87	ug/l	0.03
Spiked Amount	50.000		Recovery	=	93.74%	
50) Toluene-d8	9.47	98	2487521	47.90	ug/l	0.03
Spiked Amount	50.000		Recovery	=	95.80%	
62) 4-Bromofluorobenzene	12.43	95	908282	45.78	ug/l	0.02
Spiked Amount	50.000		Recovery	=	91.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	918420	49.567	ug/l	99
3) Chloromethane	1.76	50	798262	48.772	ug/l	97
4) Vinyl Chloride	1.86	62	666080	50.624	ug/l	100
5) Bromomethane	2.15	94	92184	59.191	ug/l	96
6) Chloroethane	2.25	64	190991	64.929	ug/l	96
7) Trichlorofluoromethane	2.51	101	774944	53.497	ug/l	97
8) Diethyl Ether	2.83	74	161794	52.542	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.10	101	499629	54.698	ug/l	99
10) Methyl Iodide	3.25	142	576386	59.578	ug/l	96
11) Tert butyl alcohol	3.98	59	229983	208.217	ug/l	99
12) 1,1-Dichloroethene	3.08	96	396735	54.931	ug/l	93
13) Acrolein	2.99	56	151381	221.317	ug/l	99
14) Allyl chloride	3.54	41	812805	53.363	ug/l	99
15) Acrylonitrile	4.09	53	999541	239.738	ug/l	100
16) Acetone	3.17	43	709481	268.452	ug/l	97
17) Carbon Disulfide	3.32	76	1312242	52.732	ug/l	100
18) Methyl Acetate	3.56	43	291063	54.153	ug/l	97
19) Methyl tert-butyl Ether	4.13	73	1638262	49.092	ug/l	99
20) Methylene Chloride	3.72	84	940245	50.000	ug/l	98
21) trans-1,2-Dichloroethene	4.10	96	957557	50.522	ug/l	97
22) Diisopropyl ether	4.86	45	3478665	50.068	ug/l	98
23) Vinyl Acetate	4.81	43	9658547	245.382	ug/l	100
24) 1,1-Dichloroethane	4.76	63	1557757	49.962	ug/l	99
25) 2-Butanone	5.63	43	1586812	222.501	ug/l	98
26) 2,2-Dichloropropane	5.60	77	1274897	52.594	ug/l	98
27) cis-1,2-Dichloroethene	5.60	96	1015087	51.201	ug/l	99
28) Bromochloromethane	5.93	49	765904	51.103	ug/l	98
29) Tetrahydrofuran	5.96	42	890400	232.805	ug/l	99
30) Chloroform	6.11	83	1639600	51.855	ug/l	99
31) Cyclohexane	6.38	56	1424930	46.872	ug/l	97
32) 1,1,1-Trichloroethane	6.30	97	1337042	50.984	ug/l	99
36) 1,1-Dichloropropene	6.53	75	1232851	51.749	ug/l	97
37) Ethyl Acetate	5.71	43	823764	50.282	ug/l	98
38) Carbon Tetrachloride	6.50	117	1132026	50.902	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	1374271	50.993	ug/l	97
40) Benzene	6.80	78	3106054	51.153	ug/l	99
41) Methacrylonitrile	5.94	41	452780m	52.767	ug/l	
42) 1,2-Dichloroethane	6.90	62	899687	49.346	ug/l	98
43) Isopropyl Acetate	8.35	43	1014130	46.233	ug/l #	99
44) Trichloroethene	7.74	130	950502	50.665	ug/l	98
45) 1,2-Dichloropropane	8.11	63	821560	50.599	ug/l	99
46) Dibromomethane	8.23	93	528873	49.922	ug/l	94
47) Bromodichloromethane	8.50	83	1176420	51.506	ug/l	98
48) Methyl methacrylate	8.26	41	596311	48.811	ug/l	97
49) 1,4-Dioxane	8.24	88	113580	936.050	ug/l	98
51) 4-Methyl-2-Pentanone	9.35	43	3340536	228.616	ug/l	100
52) Toluene	9.56	92	2000968	51.411	ug/l	98
53) t-1,3-Dichloropropene	9.93	75	1114866	52.335	ug/l	100
54) cis-1,3-Dichloropropene	9.11	75	1320642	51.887	ug/l	99
55) 1,1,2-Trichloroethane	10.20	97	636744	47.119	ug/l	98
56) Ethyl methacrylate	10.04	69	747615	49.878	ug/l	98
57) 1,3-Dichloropropane	10.39	76	1025276	51.399	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.94	63	1839154	254.098	ug/l	99
59) 2-Hexanone	10.50	43	2436651	233.975	ug/l	99
60) Dibromochloromethane	10.65	129	848297	51.575	ug/l	100
61) 1,2-Dibromoethane	10.77	107	693819	49.728	ug/l	97
64) Tetrachloroethene	10.26	164	888737	52.372	ug/l	98
65) Chlorobenzene	11.32	112	2160034	52.237	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.43	131	728342	52.222	ug/l	99
67) Ethyl Benzene	11.44	91	3463869	52.053	ug/l	98
68) m/p-Xylenes	11.57	106	2607780	106.108	ug/l	97
69) o-Xylene	11.94	106	1317454	54.101	ug/l	100
70) Styrene	11.97	104	2182648	53.306	ug/l	99
71) Bromoform	12.12	173	630079	52.582	ug/l	99
73) Isopropylbenzene	12.28	105	3481963	51.050	ug/l	99
74) N-amyl acetate	12.14	43	1322456	48.949	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.57	83	753071	48.670	ug/l	99
76) 1,2,3-Trichloropropane	12.61	75	769861	48.470	ug/l	99
77) Bromobenzene	12.55	156	1022489	52.042	ug/l	99
78) n-propylbenzene	12.65	91	4286289	49.974	ug/l	100
79) 2-Chlorotoluene	12.71	91	2413415	49.853	ug/l	98
80) 1,3,5-Trimethylbenzene	12.80	105	2650728	50.704	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.35	75	232821	48.559	ug/l	97
82) 4-Chlorotoluene	12.81	91	2680684	50.366	ug/l	100
83) tert-Butylbenzene	13.05	119	3125298	51.603	ug/l	93
84) 1,2,4-Trimethylbenzene	13.10	105	2819468	50.539	ug/l	99
85) sec-Butylbenzene	13.23	105	3648997	50.756	ug/l	99
86) p-Isopropyltoluene	13.34	119	2997358	51.548	ug/l	96
87) 1,3-Dichlorobenzene	13.31	146	1749112	51.194	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	1736198	50.100	ug/l	96
89) n-Butylbenzene	13.65	91	2984011	55.988	ug/l	97
90) Hexachloroethane	13.87	117	742764	51.574	ug/l	93
91) 1,2-Dichlorobenzene	13.67	146	1487391	54.738	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	106686	45.228	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	1228553	50.459	ug/l	98
94) Hexachlorobutadiene	14.89	225	838958	52.090	ug/l	98
95) Naphthalene	14.97	128	1786368	47.508	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	1026834	47.857	ug/l	96

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

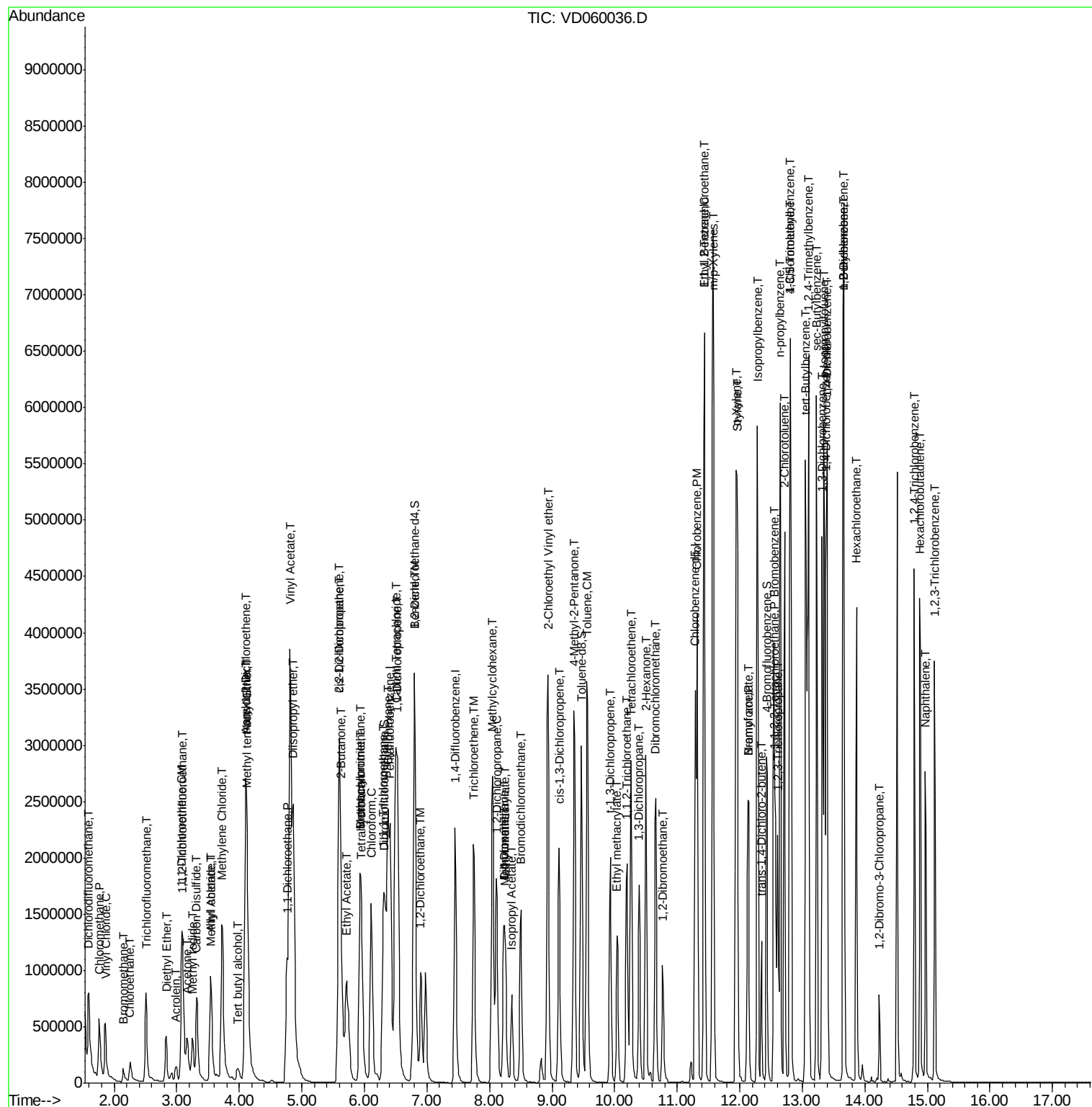
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091918\
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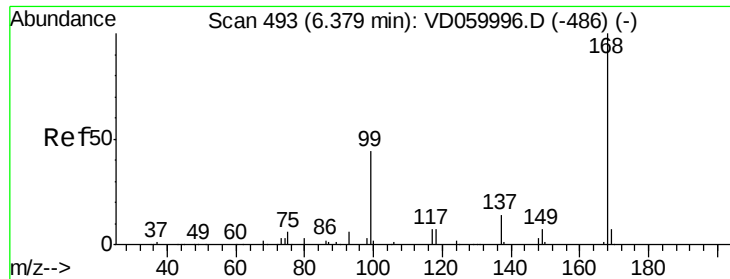
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.42 min Scan# 497

Delta R.T. 0.04 min

Lab File: VD060036.D

Acq: 19 Sep 2018 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1755325

Ion Ratio Lower Upper

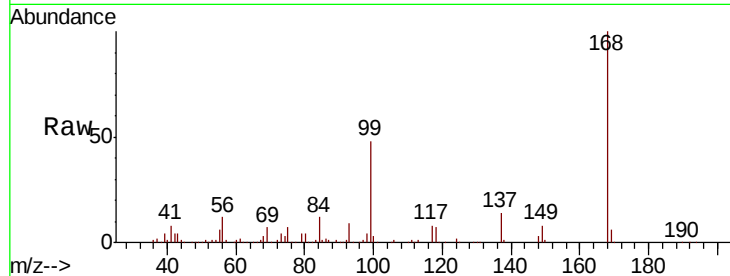
168 100

99 47.8 38.5 57.7

Manual Integrations
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.42

800000

600000

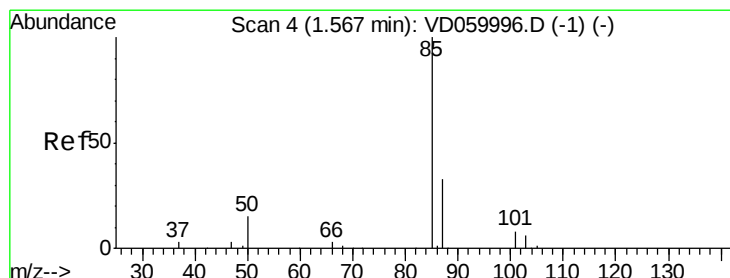
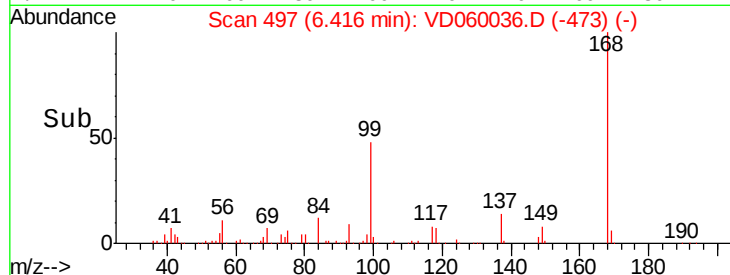
400000

200000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 49.567 ug/l

RT: 1.59 min Scan# 7

Delta R.T. 0.03 min

Lab File: VD060036.D

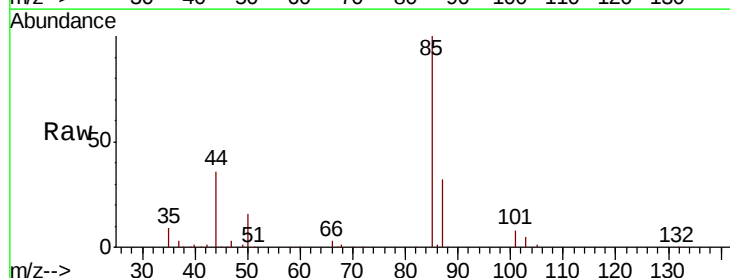
Acq: 19 Sep 2018 10:34

Tgt Ion: 85 Resp: 918420

Ion Ratio Lower Upper

85 100

87 32.4 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

400000

300000

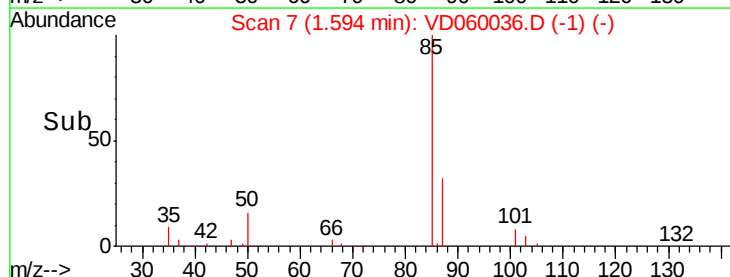
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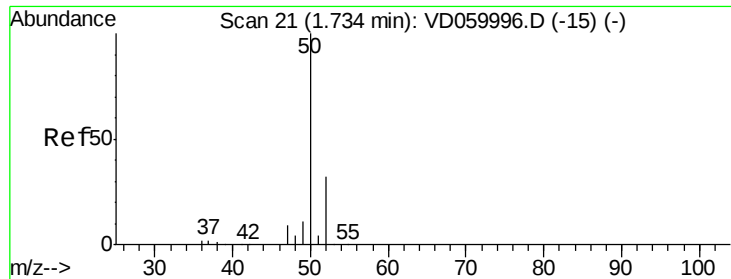
100000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 48.772 ug/l

RT: 1.76 min Scan# 24

Delta R.T. 0.03 min

Lab File: VD060036.D

Acq: 19 Sep 2018 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 798262

Ion Ratio Lower Upper

50 100

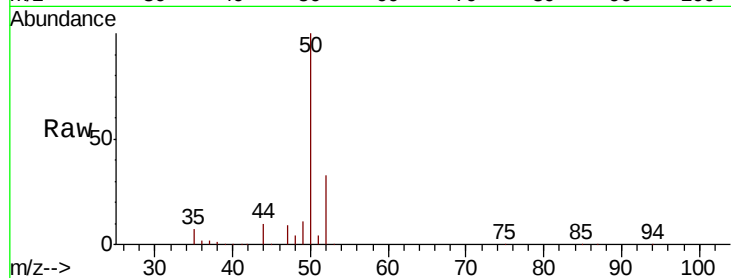
52 33.4 25.4 38.2

Manual Integrations

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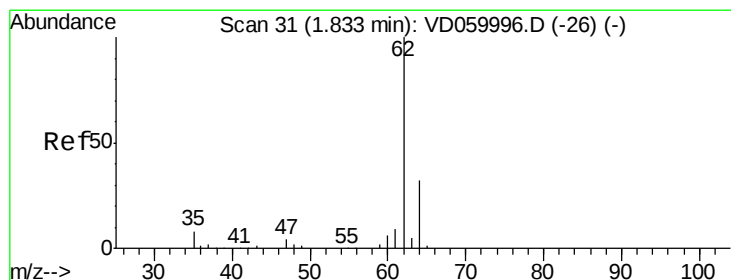
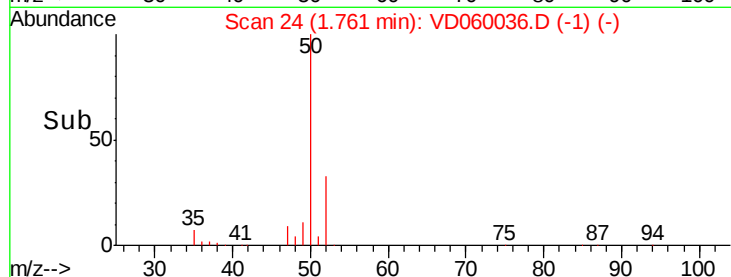
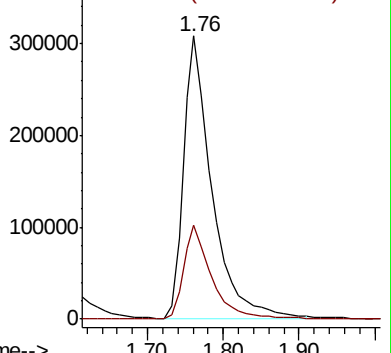
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 50.624 ug/l

RT: 1.86 min Scan# 34

Delta R.T. 0.03 min

Lab File: VD060036.D

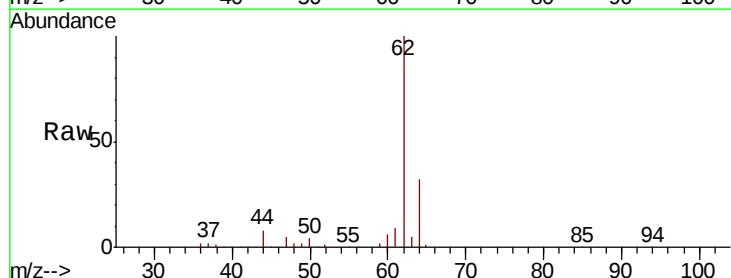
Acq: 19 Sep 2018 10:34

Tgt Ion: 62 Resp: 666080

Ion Ratio Lower Upper

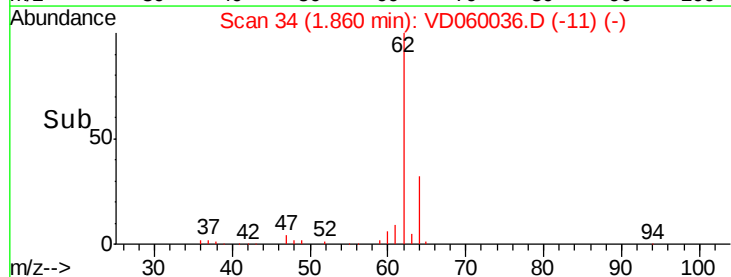
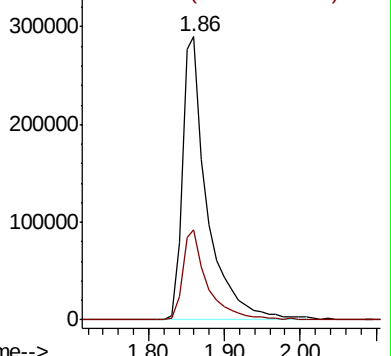
62 100

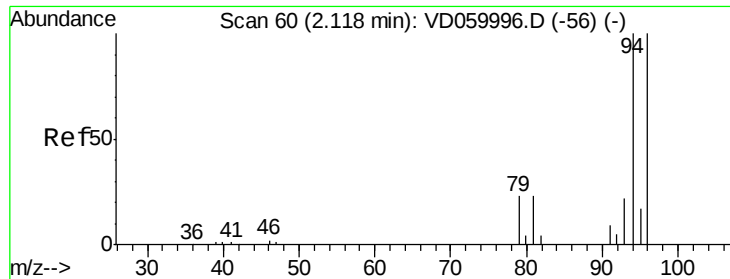
64 32.0 25.5 38.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





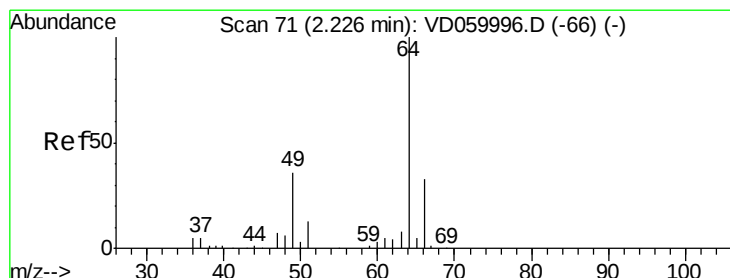
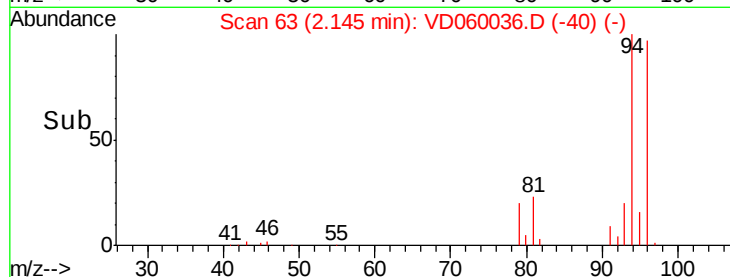
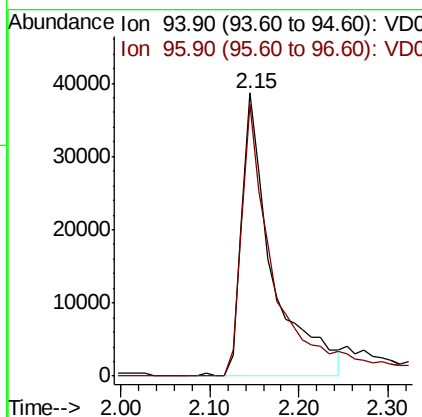
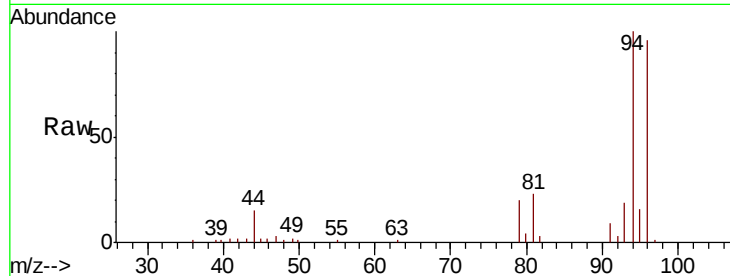
#5
Bromomethane
Concen: 59.191 ug/l
RT: 2.15 min Scan# 63
Delta R.T. 0.03 min
Lab File: VD060036.D
Acq: 19 Sep 2018 10:34

Instrument :
MSVOA_D
ClientSampleId :
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Tot Ion: 94 Resp: 92184
Ion Ratio Lower Upper
94 100
96 95.8 79.8 119.8

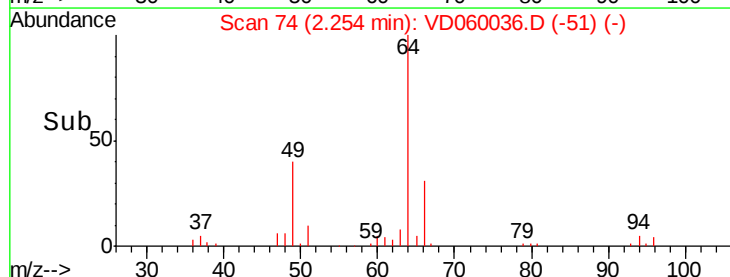
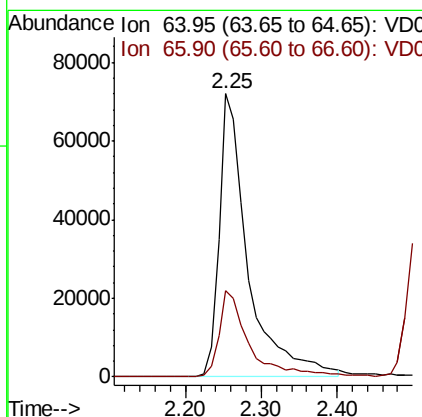
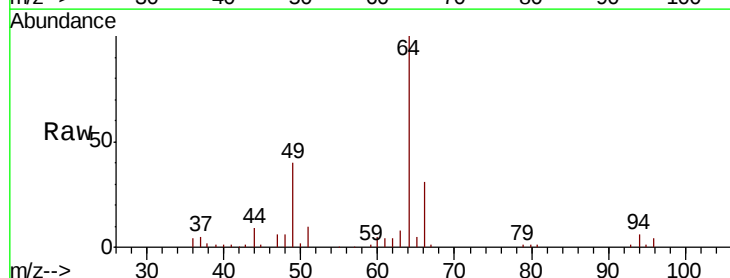
Manual Integrations
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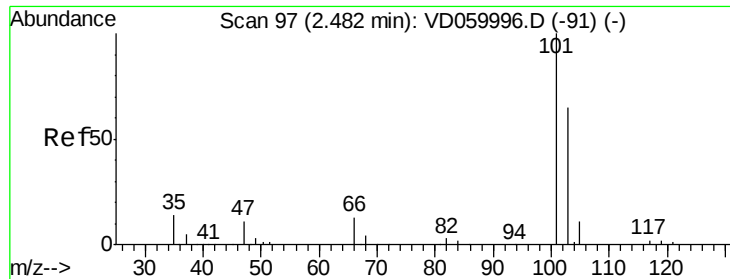
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9/21/2018 5:02:13 PM



#6
Chloroethane
Concen: 64.929 ug/l
RT: 2.25 min Scan# 74
Delta R.T. 0.03 min
Lab File: VD060036.D
Acq: 19 Sep 2018 10:34

Tgt Ion: 64 Resp: 190991
Ion Ratio Lower Upper
64 100
66 30.6 26.5 39.7





#7

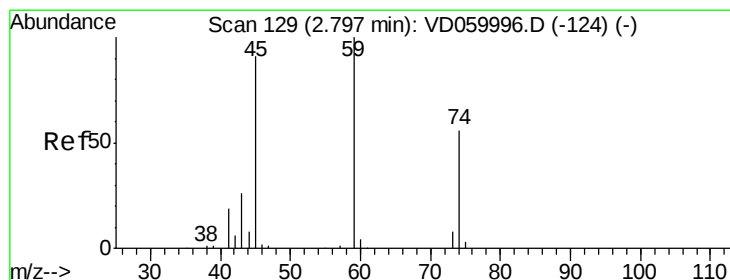
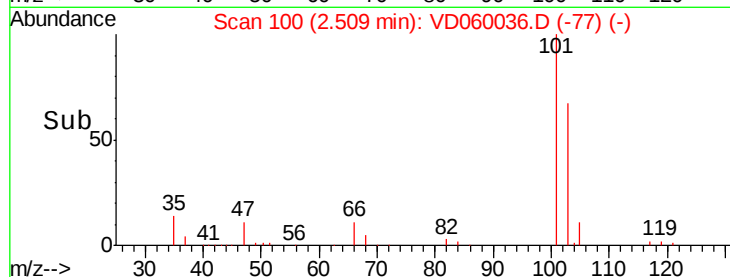
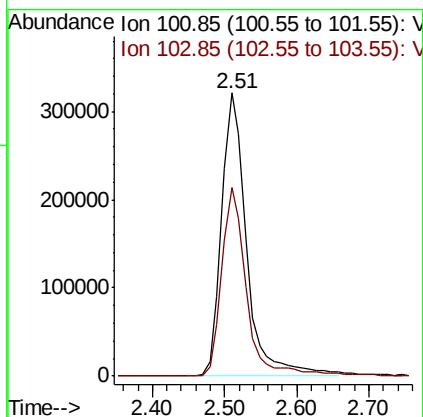
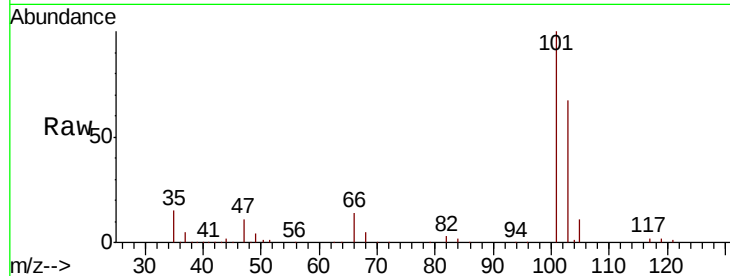
Trichlorofluoromethane
Concen: 53.497 ug/l
RT: 2.51 min Scan# 100
Delta R.T. 0.03 min
Lab File: VD060036.D
Acq: 19 Sep 2018 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 774944
Ion Ratio Lower Upper
101 100
103 66.6 51.6 77.4

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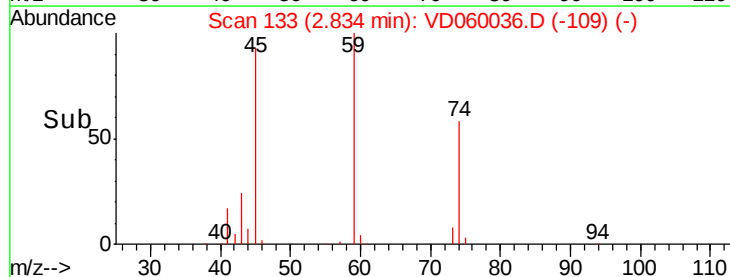
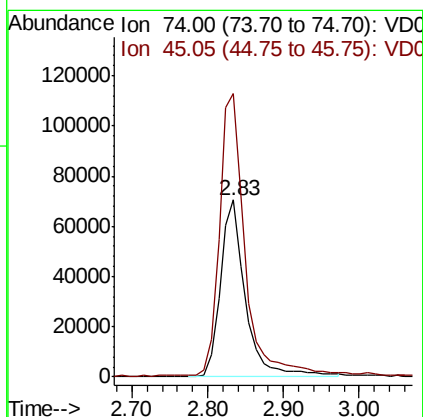
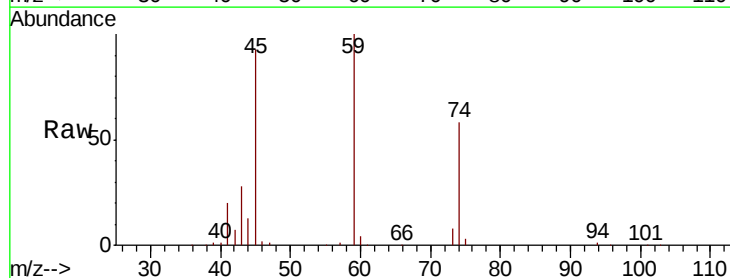
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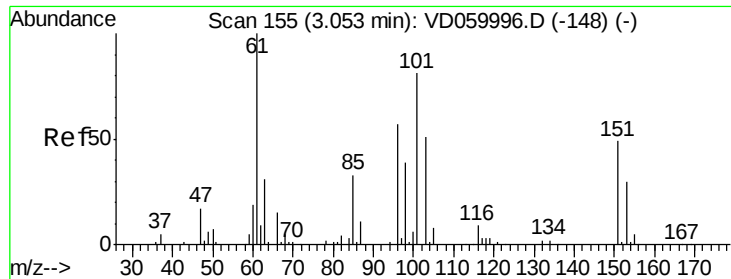


#8

Diethyl Ether
Concen: 52.542 ug/l
RT: 2.83 min Scan# 133
Delta R.T. 0.04 min
Lab File: VD060036.D
Acq: 19 Sep 2018 10:34

Tgt Ion: 74 Resp: 161794
Ion Ratio Lower Upper
74 100
45 160.2 81.2 243.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.698 ug/l

RT: 3.10 min Scan# 160

Delta R.T. 0.05 min

Lab File: VD060036.D

Acq: 19 Sep 2018 10:34

Instrument :

MSVOA_D

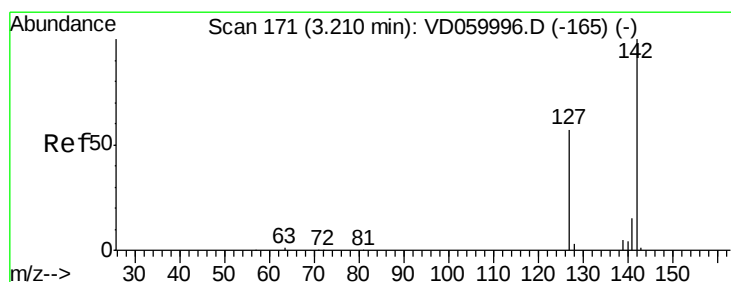
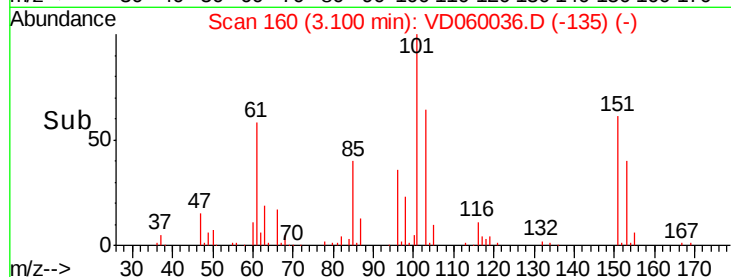
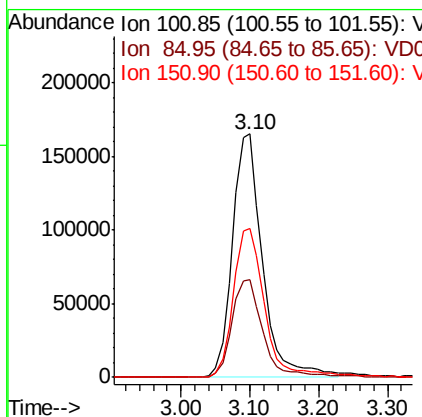
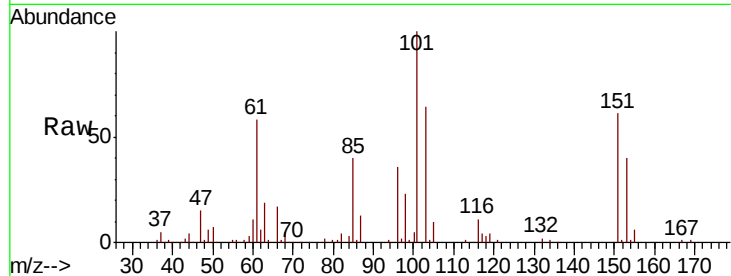
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	499629
Ion Ratio	Lower	Upper	
101	100		
85	40.3	33.1	49.7
151	61.1	48.2	72.4

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#10

Methyl Iodide

Concen: 59.578 ug/l

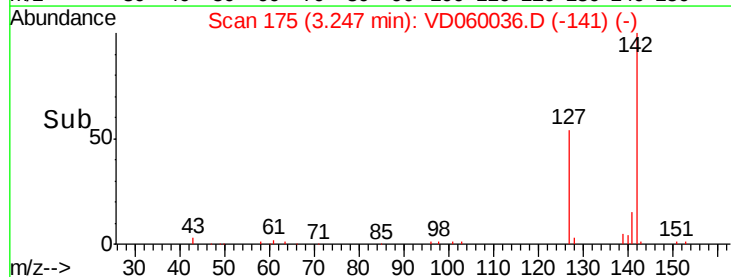
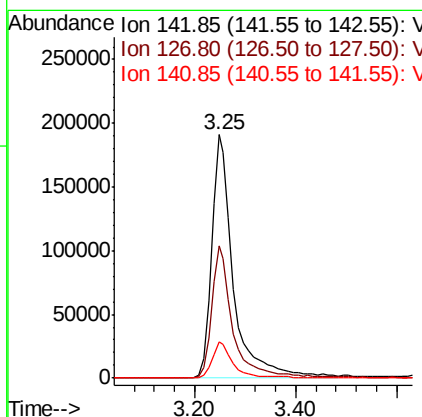
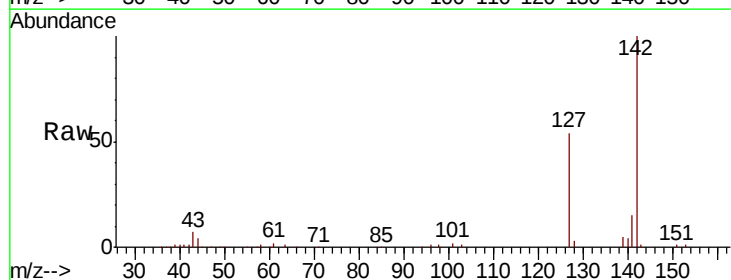
RT: 3.25 min Scan# 175

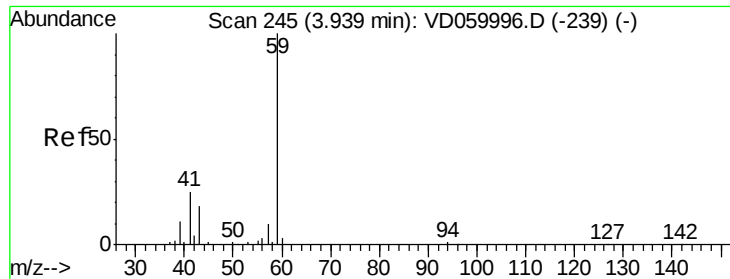
Delta R.T. 0.04 min

Lab File: VD060036.D

Acq: 19 Sep 2018 10:34

Tgt Ion:	142	Resp:	576386
Ion Ratio	Lower	Upper	
142	100		
127	54.2	45.8	68.8
141	14.7	12.2	18.4





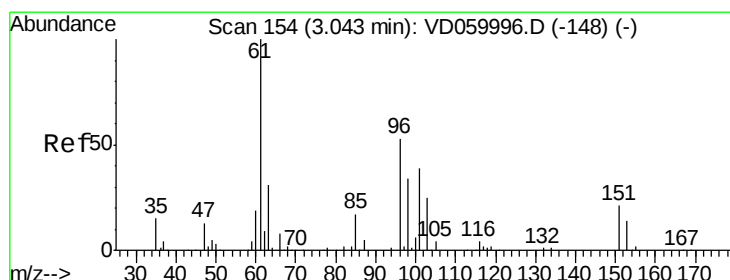
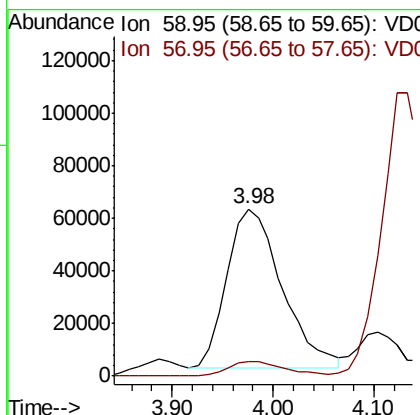
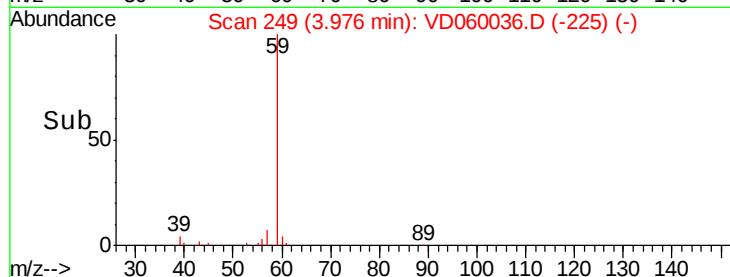
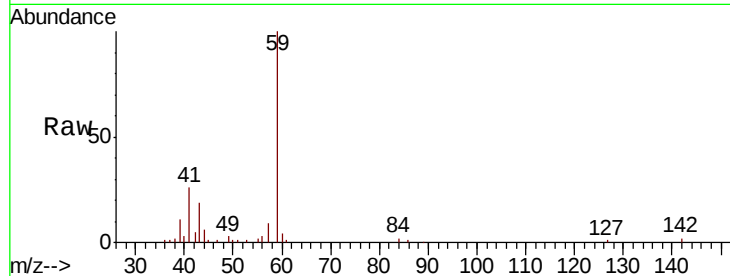
#11
Tert butyl alcohol
Concen: 208.217 ug/l
RT: 3.98 min Scan# 249
Delta R.T. 0.04 min
Lab File: VD060036.D
Acq: 19 Sep 2018 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.9	7.4	11.2

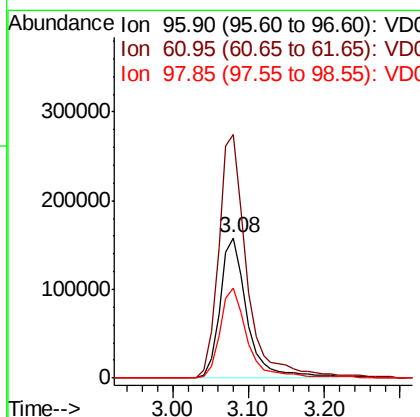
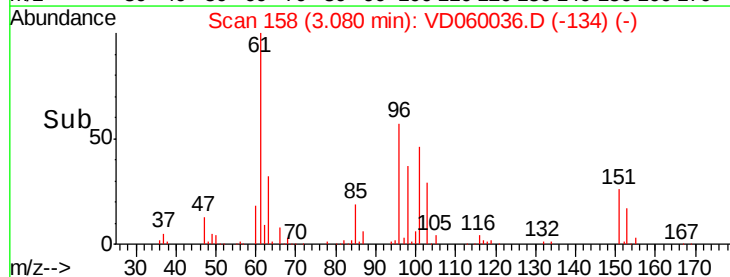
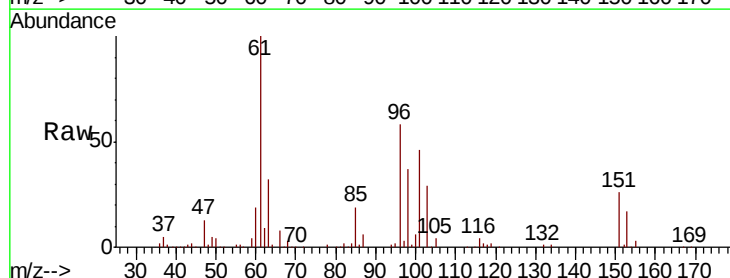
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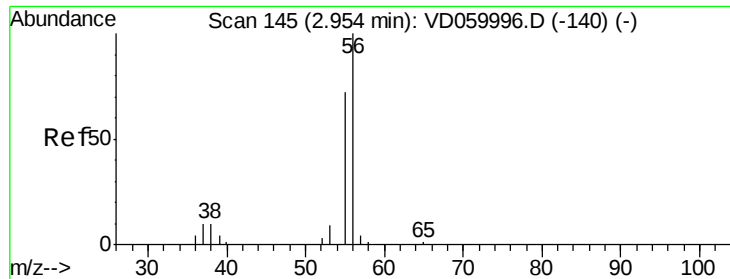
MMDadoda
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#12
1,1-Dichloroethene
Concen: 54.931 ug/l
RT: 3.08 min Scan# 158
Delta R.T. 0.04 min
Lab File: VD060036.D
Acq: 19 Sep 2018 10:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.9	149.8	224.6
98	64.0	50.2	75.4





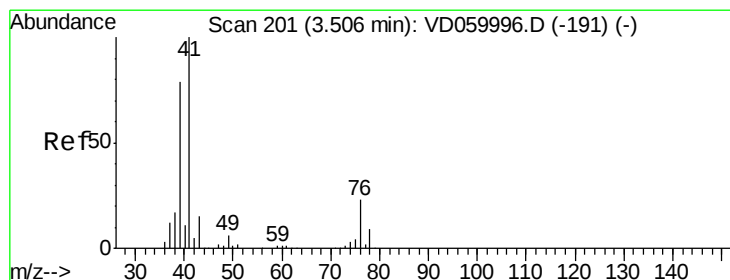
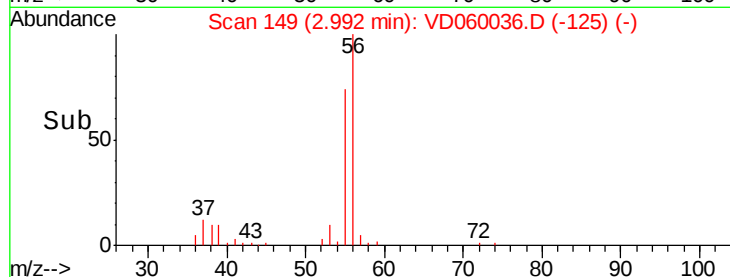
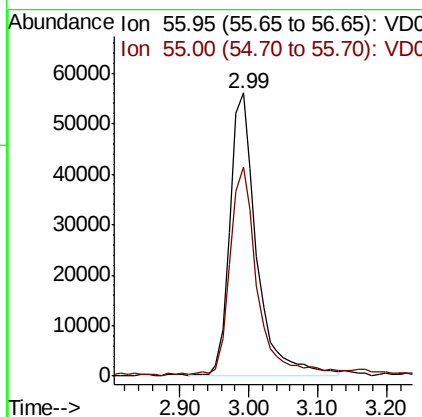
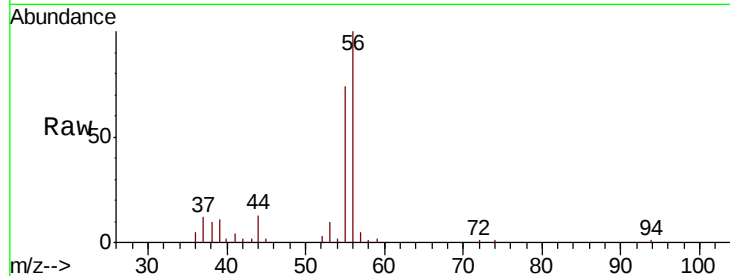
#13
Acrolein
Concen: 221.317 ug/l
RT: 2.99 min Scan# 149
Delta R.T. 0.04 min
Lab File: VD060036.D
Acq: 19 Sep 2018 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	56	55	Ratio	Lower	Upper
151381	100	74.1		58.3	87.5

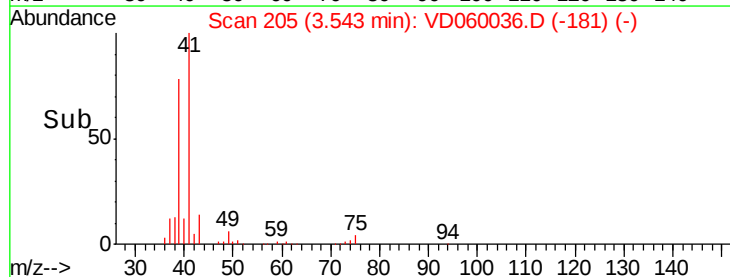
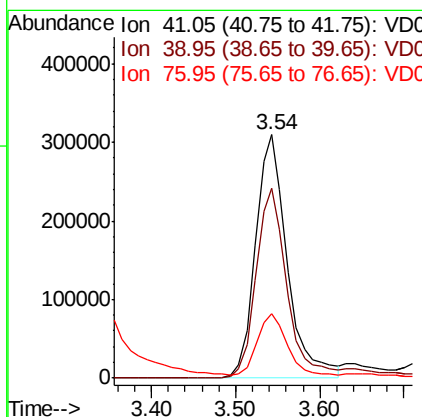
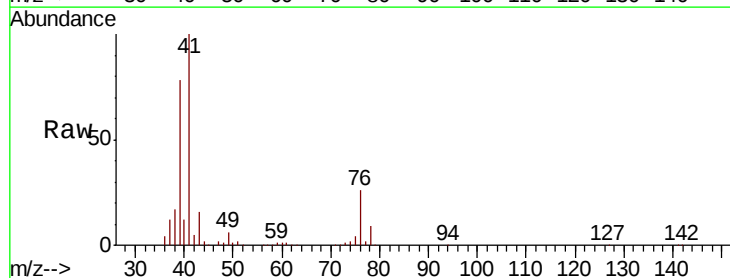
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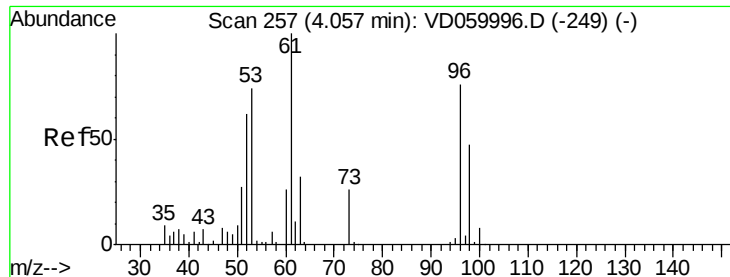
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#14
Allyl chloride
Concen: 53.363 ug/l
RT: 3.54 min Scan# 205
Delta R.T. 0.04 min
Lab File: VD060036.D
Acq: 19 Sep 2018 10:34

Tgt Ion	41	39	76	Ratio	Lower	Upper
812805	100	78.2	26.2		63.6	95.4





#15

Acrylonitrile

Concen: 239.738 ug/l

RT: 4.09 min Scan# 261

Delta R.T. 0.04 min

Lab File: VD060036.D

Acq: 19 Sep 2018 10:34

Instrument :

MSVOA_D

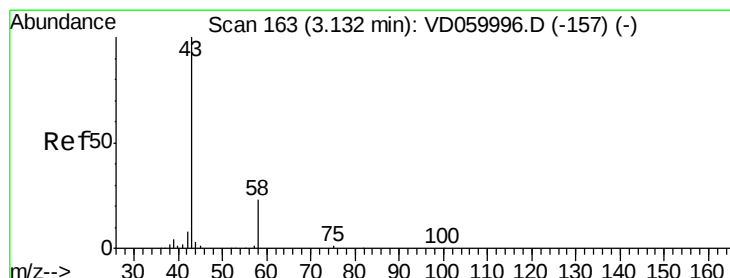
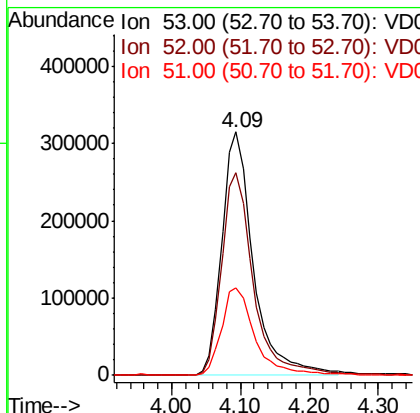
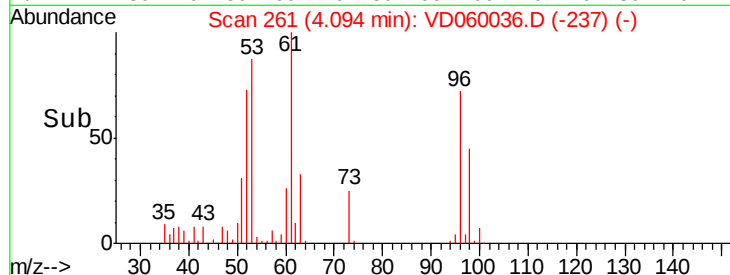
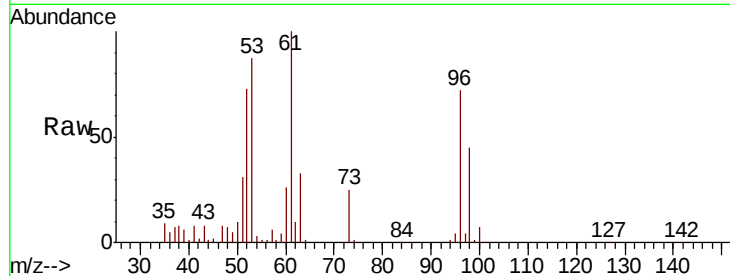
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	999541
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.7	100.1
51	35.9	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 268.452 ug/l

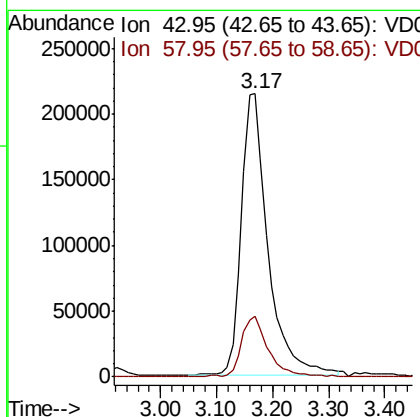
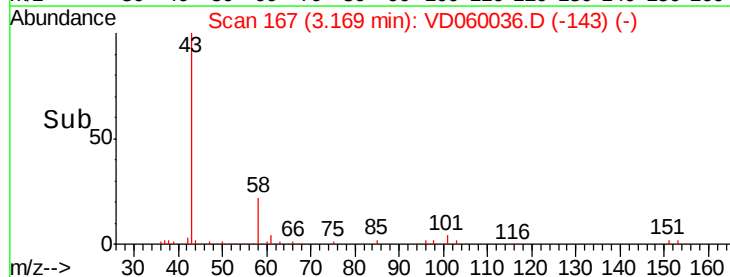
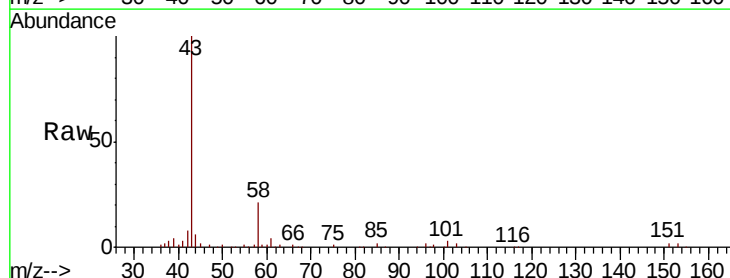
RT: 3.17 min Scan# 167

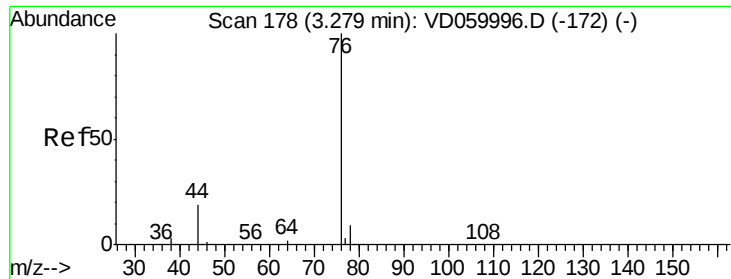
Delta R.T. 0.04 min

Lab File: VD060036.D

Acq: 19 Sep 2018 10:34

Tgt Ion:	43	Resp:	709481
Ion	Ratio	Lower	Upper
43	100		
58	21.3	18.1	27.1





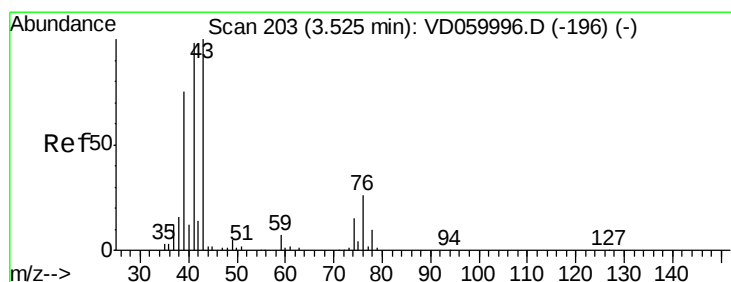
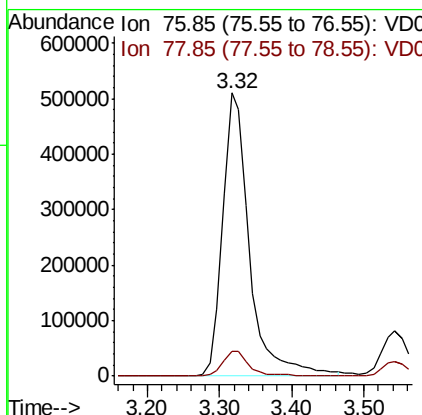
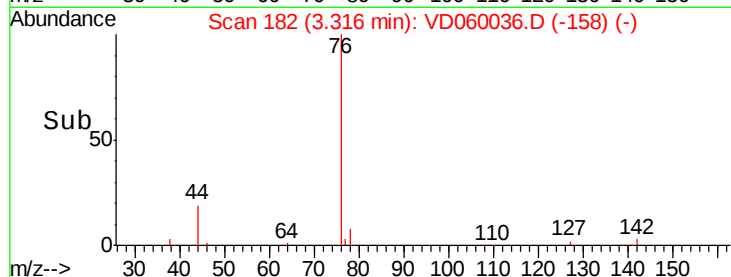
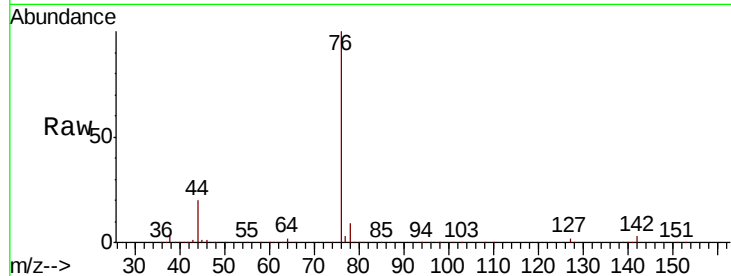
#17
Carbon Disulfide
Concen: 52.732 ug/l
RT: 3.32 min Scan# 182
Delta R.T. 0.04 min
Lab File: VD060036.D
Acq: 19 Sep 2018 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1312242
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.4

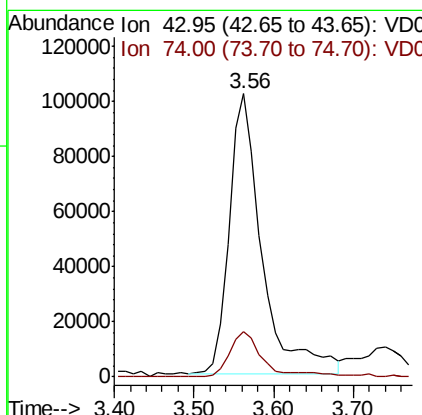
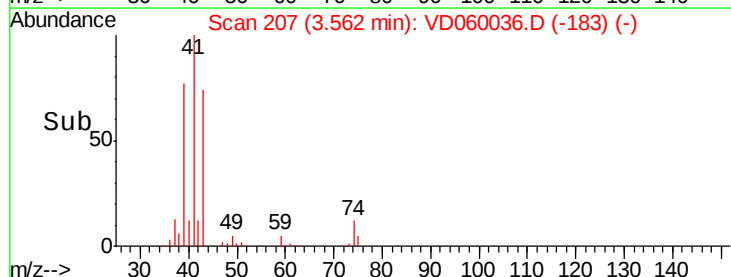
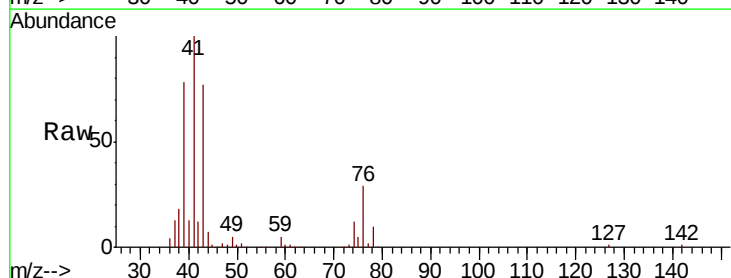
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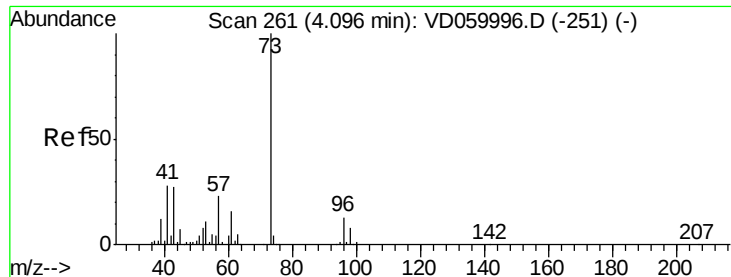
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#18
Methyl Acetate
Concen: 54.153 ug/l
RT: 3.56 min Scan# 207
Delta R.T. 0.04 min
Lab File: VD060036.D
Acq: 19 Sep 2018 10:34

Tgt Ion: 43 Resp: 291063
Ion Ratio Lower Upper
43 100
74 16.1 11.8 17.8





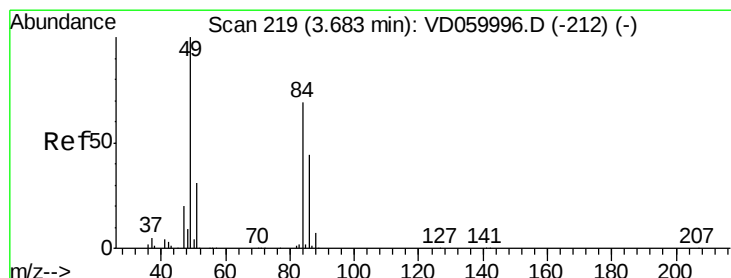
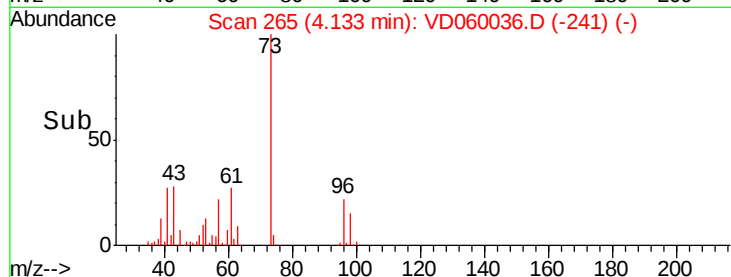
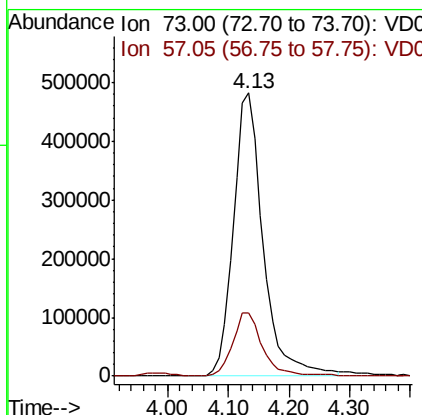
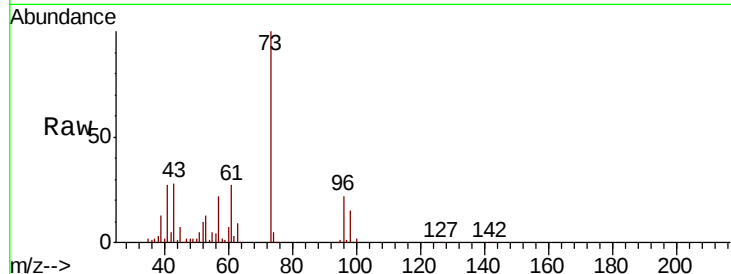
#19
Methvl tert-butvl Ether
Concen: 49.092 ug/l
RT: 4.13 min Scan# 265
Delta R.T. 0.04 min
Lab File: VD060036.D
Acq: 19 Sep 2018 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1638262
Ion Ratio Lower Upper
73 100
57 22.3 18.4 27.6

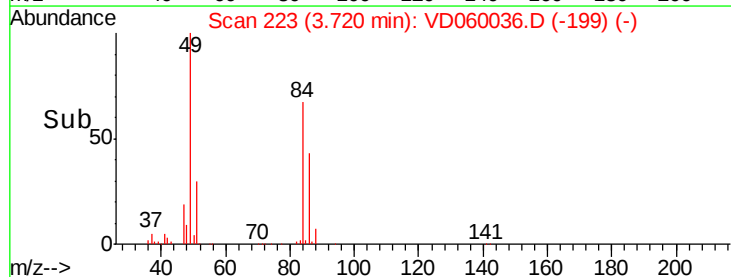
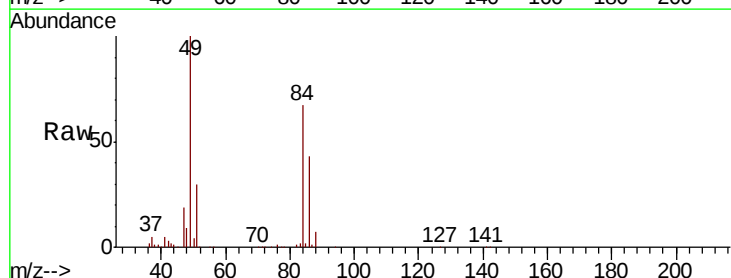
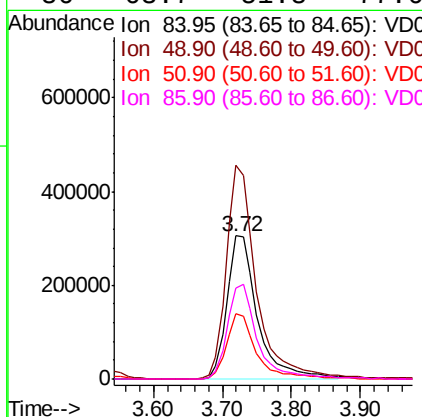
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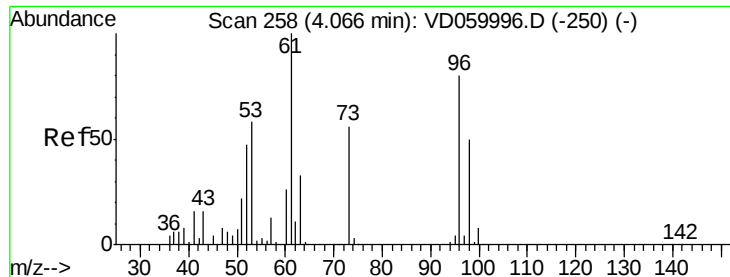
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#20
Methylene Chloride
Concen: 50.000 ug/l
RT: 3.72 min Scan# 223
Delta R.T. 0.04 min
Lab File: VD060036.D
Acq: 19 Sep 2018 10:34

Tgt Ion: 84 Resp: 940245
Ion Ratio Lower Upper
84 100
49 149.1 116.6 175.0
51 45.4 35.9 53.9
86 63.7 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 50.522 ug/l

RT: 4.10 min Scan# 262

Delta R.T. 0.04 min

Lab File: VD060036.D

Acq: 19 Sep 2018 10:34

Instrument :

MSVOA_D

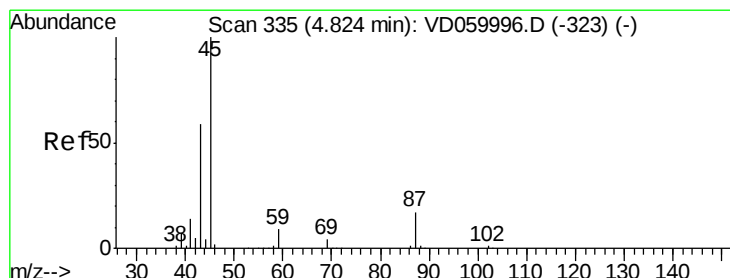
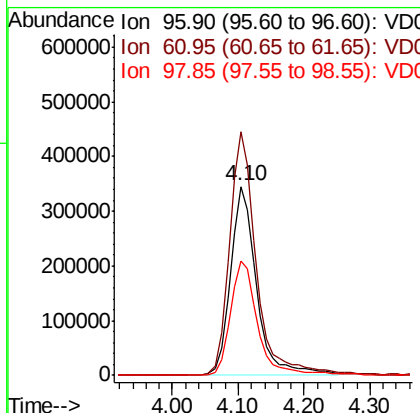
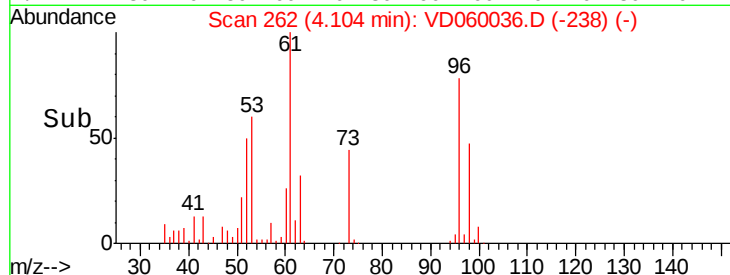
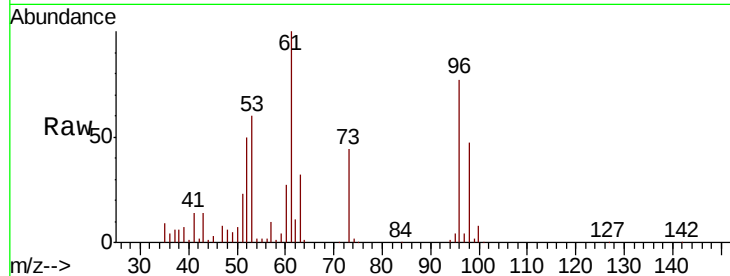
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	957557
Ion	Ratio	Lower	Upper
96	100		
61	129.1	100.1	150.1
98	60.8	49.5	74.3

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.068 ug/l

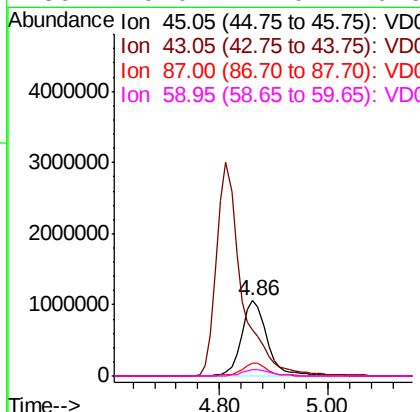
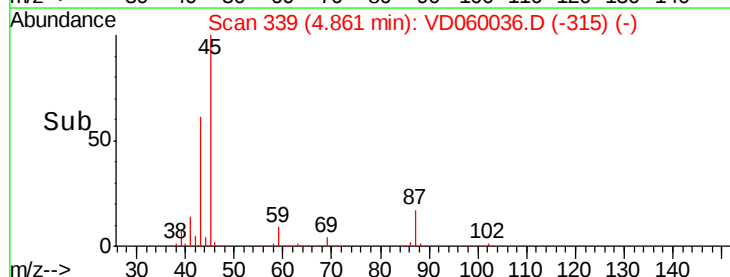
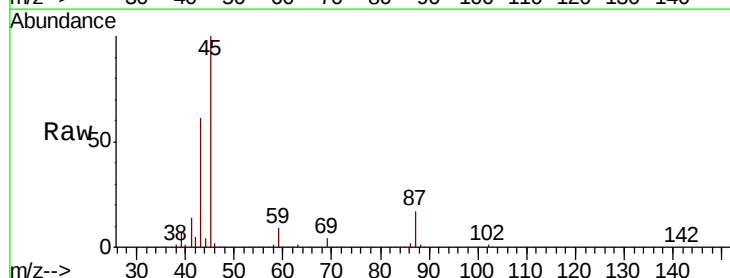
RT: 4.86 min Scan# 339

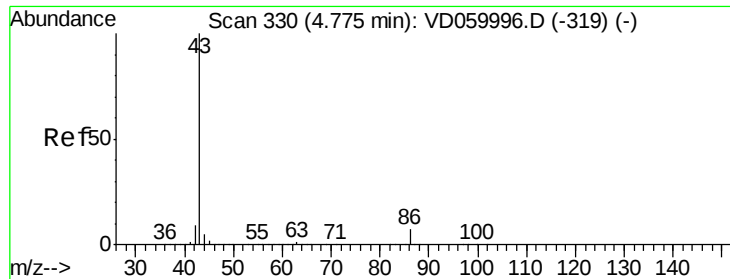
Delta R.T. 0.04 min

Lab File: VD060036.D

Acq: 19 Sep 2018 10:34

Tgt Ion:	45	Resp:	3478665
Ion	Ratio	Lower	Upper
45	100		
43	61.1	47.1	70.7
87	17.2	14.2	21.2
59	9.0	7.0	10.6





#23

Vinyl Acetate

Concen: 245.382 ug/l

RT: 4.81 min Scan# 334

Delta R.T. 0.04 min

Lab File: VD060036.D

Acq: 19 Sep 2018 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 9658547

Ion Ratio Lower Upper

43 100

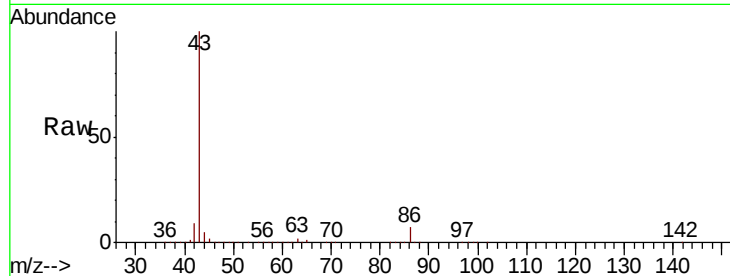
86 6.9 5.5 8.3

Manual Integrations

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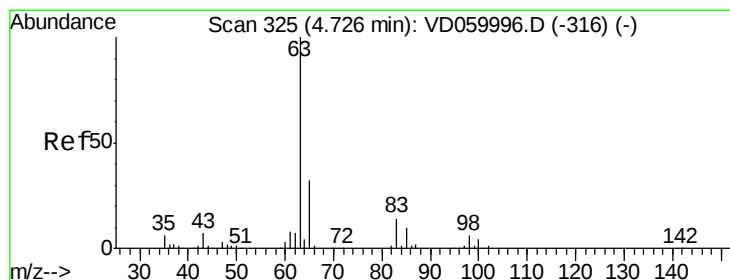
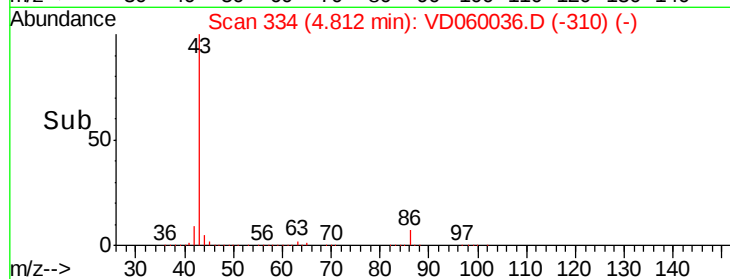
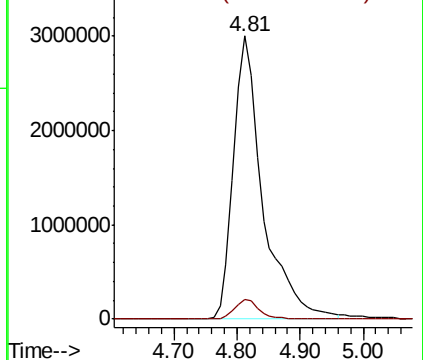
MMDadoda

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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: 49.962 ug/l

RT: 4.76 min Scan# 329

Delta R.T. 0.04 min

Lab File: VD060036.D

Acq: 19 Sep 2018 10:34

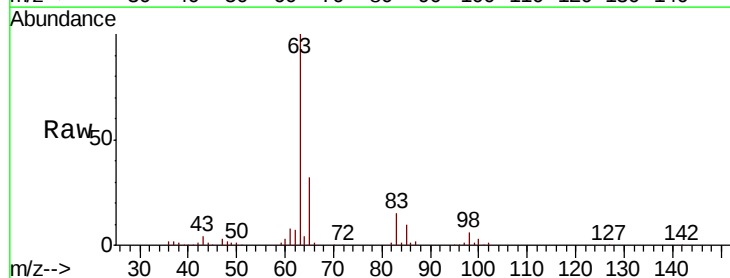
Tgt Ion: 63 Resp: 1557757

Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.6

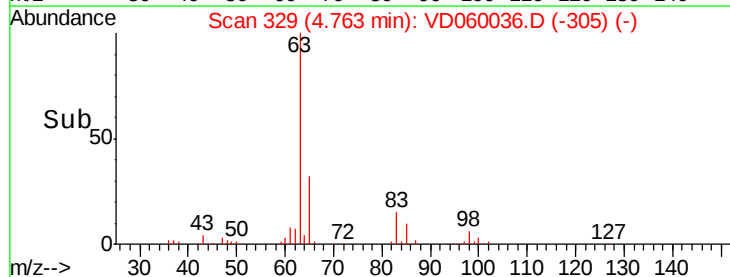
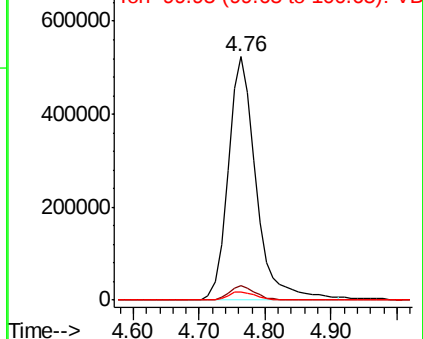
100 3.2 1.8 5.4

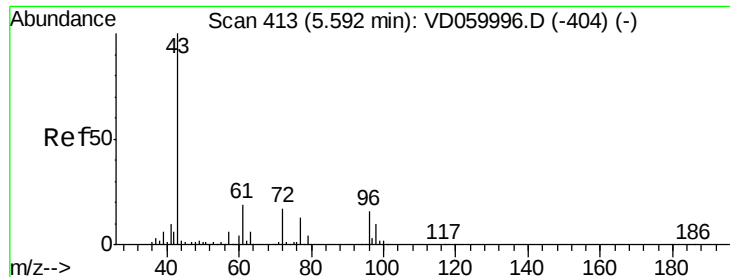


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 222.501 ug/l

RT: 5.63 min Scan# 417

Delta R.T. 0.04 min

Lab File: VD060036.D

Acq: 19 Sep 2018 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1586812

Ion Ratio Lower Upper

43 100

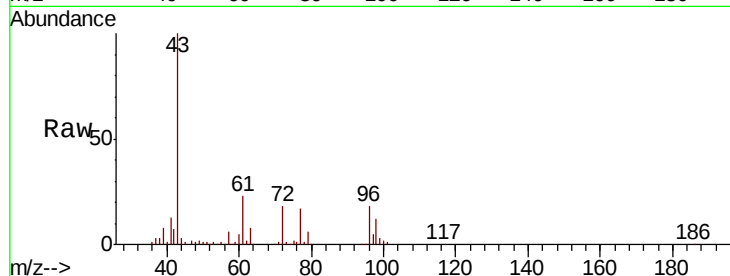
72 17.8 13.6 20.4

Manual Integrations

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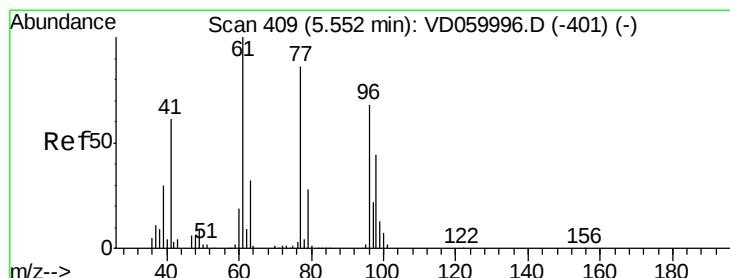
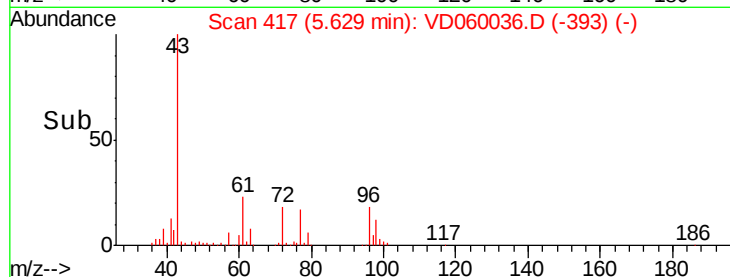
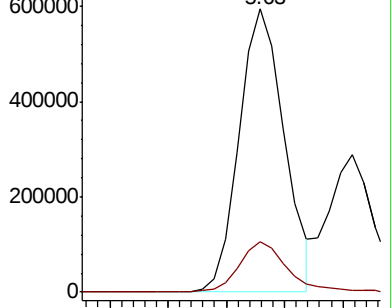
MMDadoda

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 52.594 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.05 min

Lab File: VD060036.D

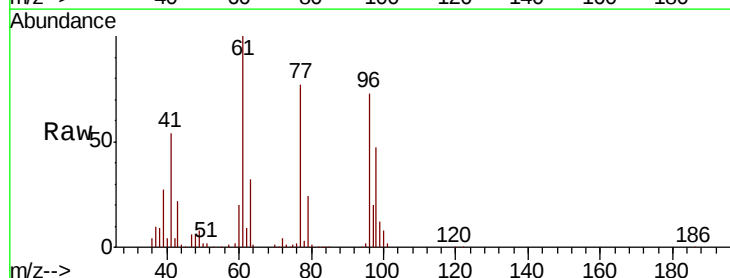
Acq: 19 Sep 2018 10:34

Tgt Ion: 77 Resp: 1274897

Ion Ratio Lower Upper

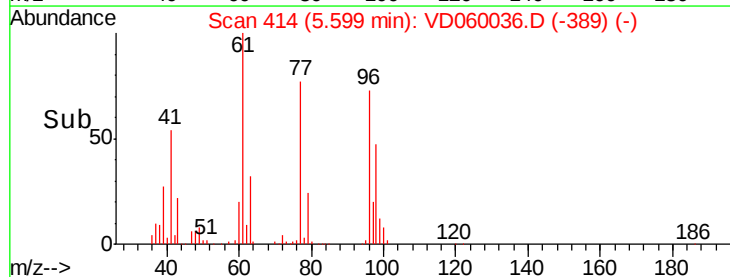
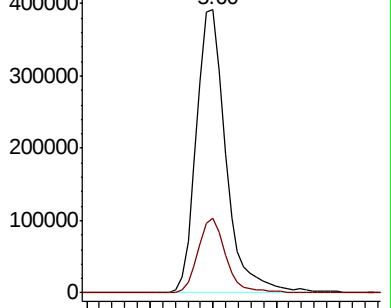
77 100

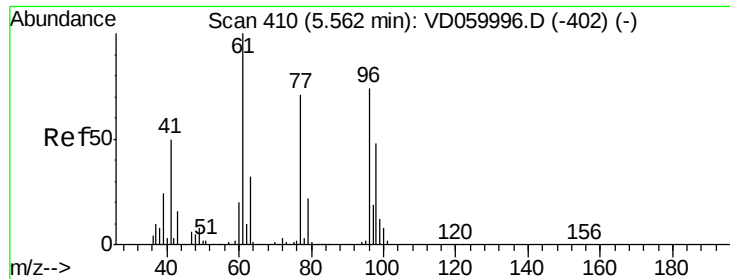
97 26.3 12.7 38.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

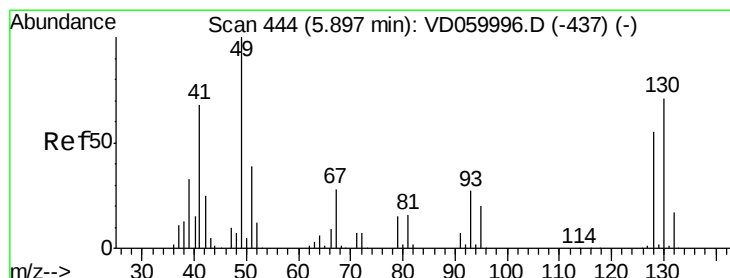
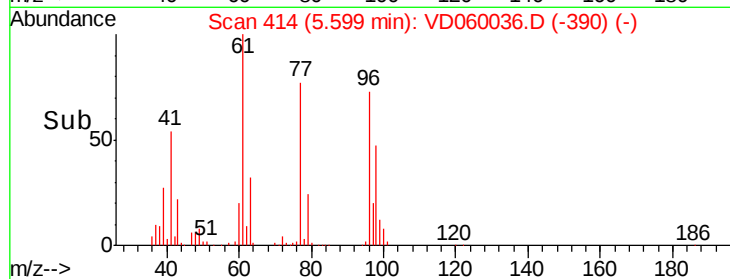
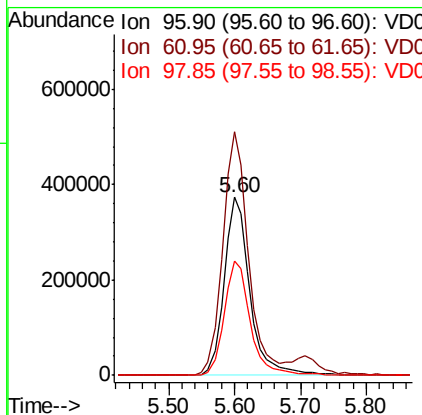
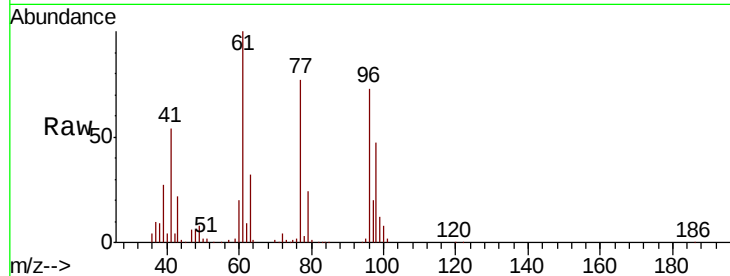
cis-1,2-Dichloroethene
Concen: 51.201 ug/l
RT: 5.60 min Scan# 414
Delta R.T. 0.04 min
Lab File: VD060036.D
Acq: 19 Sep 2018 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 1015087
Ion Ratio Lower Upper
96 100
61 137.0 0.0 269.6
98 64.4 0.0 128.4

Manual Integrations
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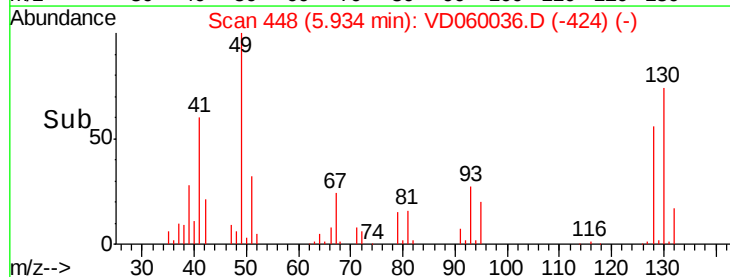
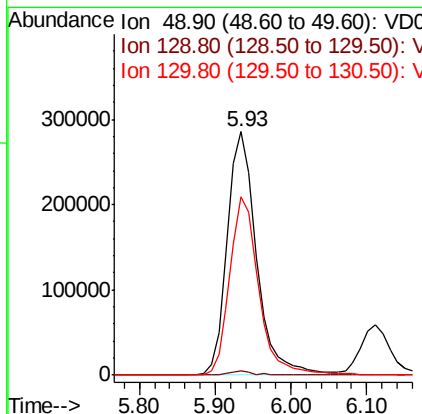
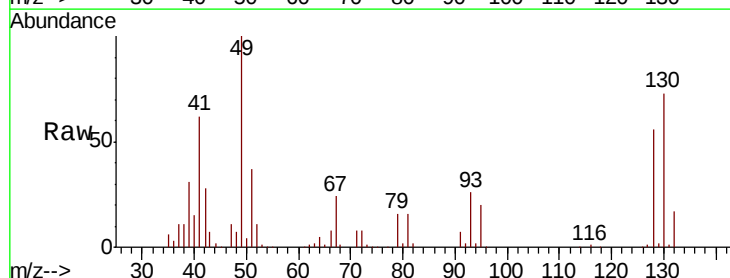
MMDadoda
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#28

Bromochloromethane
Concen: 51.103 ug/l
RT: 5.93 min Scan# 448
Delta R.T. 0.04 min
Lab File: VD060036.D
Acq: 19 Sep 2018 10:34

Tgt Ion: 49 Resp: 765904
Ion Ratio Lower Upper
49 100
129 1.7 0.0 3.6
130 73.3 57.1 85.7





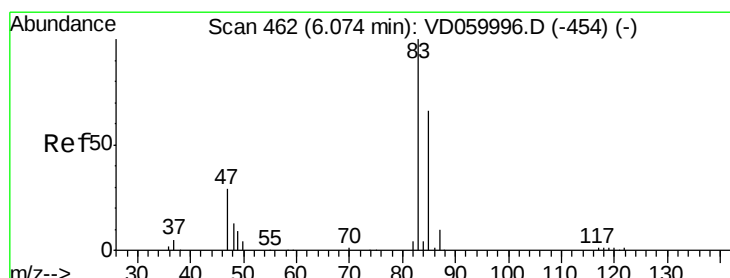
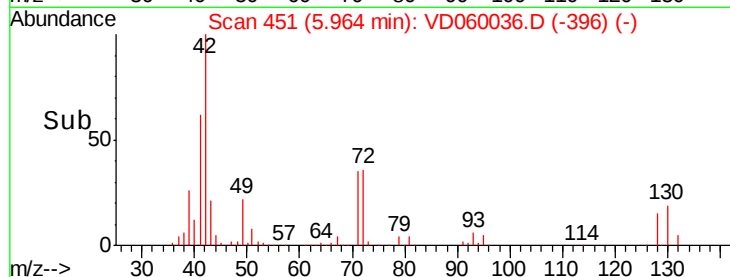
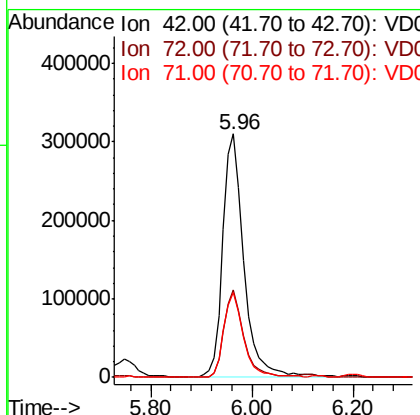
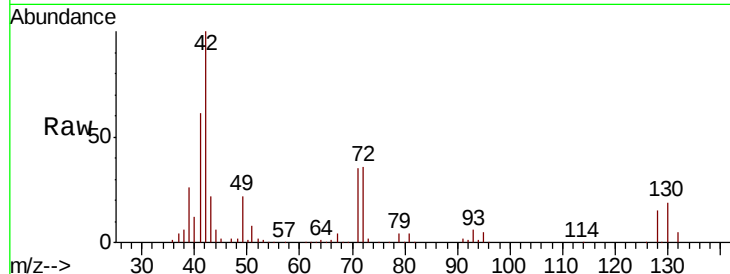
#29
Tetrahydrofuran
Concen: 232.805 ug/l
RT: 5.96 min Scan# 451
Delta R.T. 0.04 min
Lab File: VD060036.D
Acq: 19 Sep 2018 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.8	26.9	40.3
71	33.2	26.2	39.4

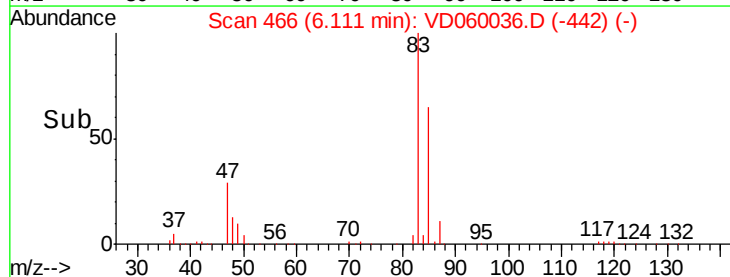
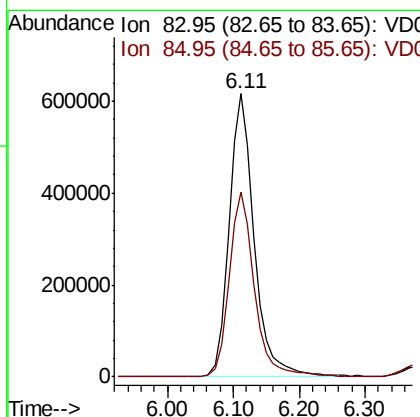
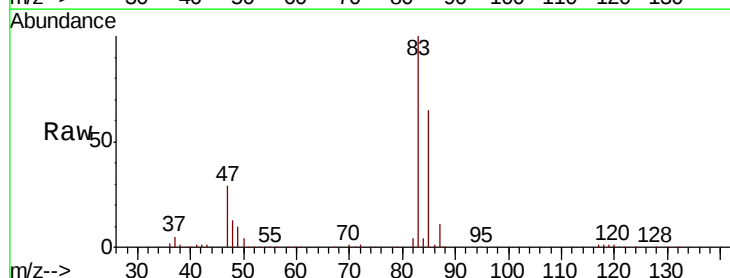
Manual Integrations
APPROVED

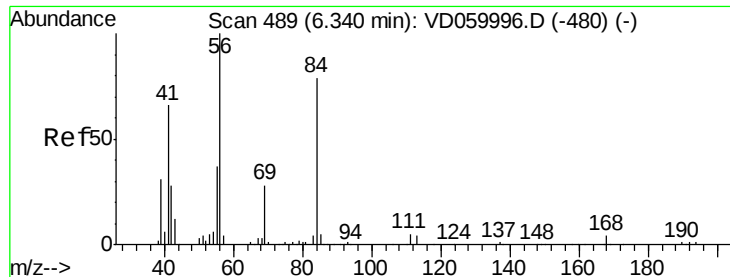
MMDadoda
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#30
Chloroform
Concen: 51.855 ug/l
RT: 6.11 min Scan# 466
Delta R.T. 0.04 min
Lab File: VD060036.D
Acq: 19 Sep 2018 10:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.6	78.8





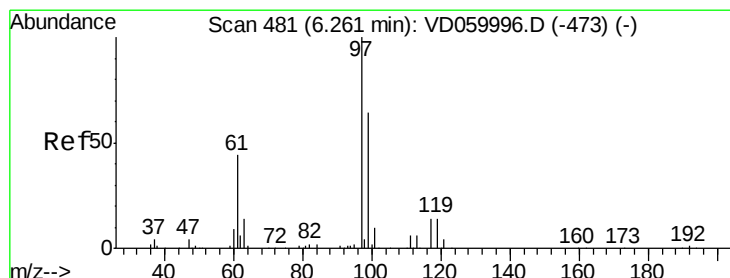
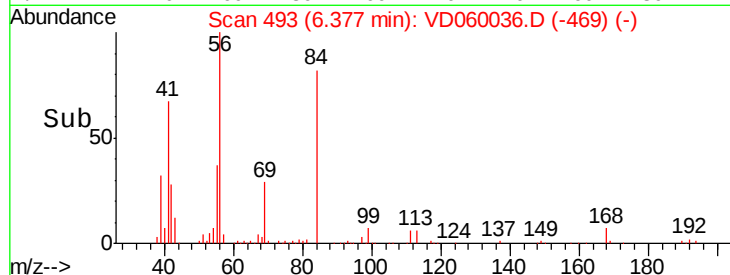
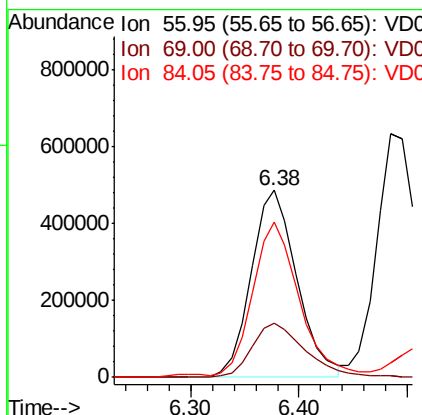
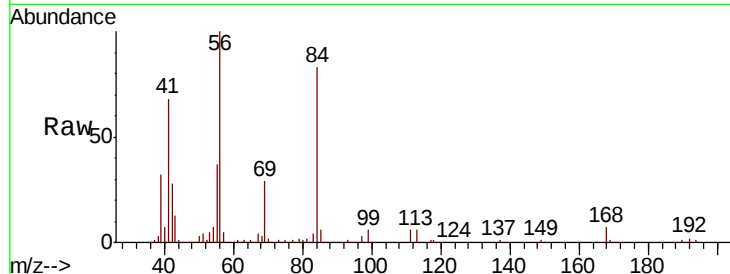
#31
Cyclohexane
Concen: 46.872 ug/l
RT: 6.38 min Scan# 493
Delta R.T. 0.04 min
Lab File: VD060036.D
Acq: 19 Sep 2018 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 1424930
Ion Ratio Lower Upper
56 100
69 29.3 22.7 34.1
84 83.2 64.0 96.0

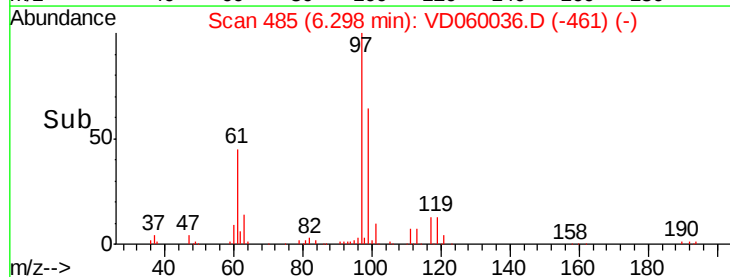
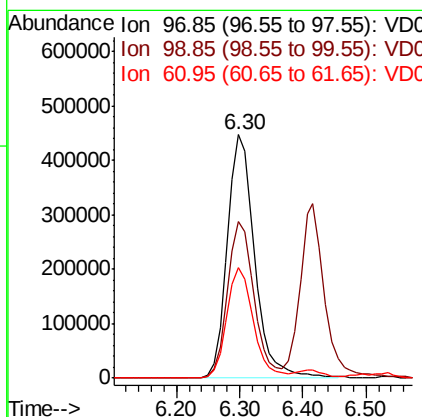
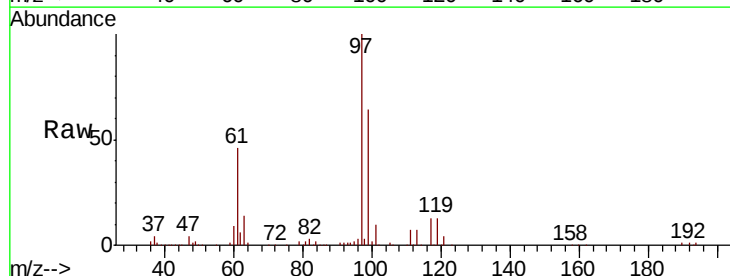
Manual Integrations
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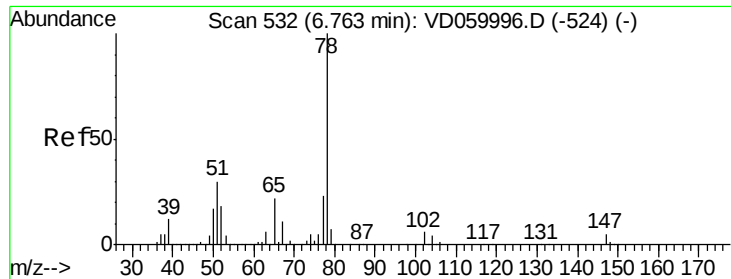
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 50.984 ug/l
RT: 6.30 min Scan# 485
Delta R.T. 0.04 min
Lab File: VD060036.D
Acq: 19 Sep 2018 10:34

Tgt Ion: 97 Resp: 1337042
Ion Ratio Lower Upper
97 100
99 64.4 51.3 76.9
61 45.5 35.5 53.3





#33

1,2-Dichloroethane-d4

Concen: 50.984 ug/l

RT: 6.79 min Scan# 535

Delta R.T. 0.03 min

Lab File: VD060036.D

Acq: 19 Sep 2018 10:34

Tot Ion: 65 Resp: 626685

Ion Ratio Lower Upper

65 100

67 52.4 0.0 104.8

Instrument :

MSVOA_D

ClientSampleId :

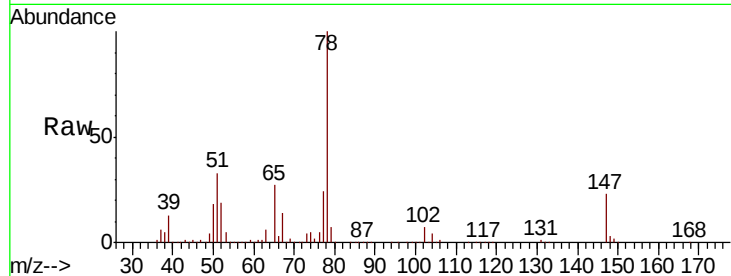
VSTDCCC050

Manual Integrations

APPROVED

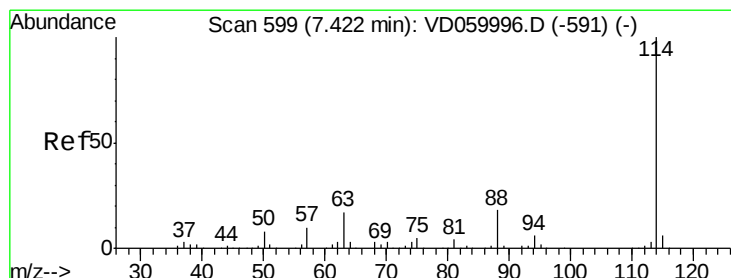
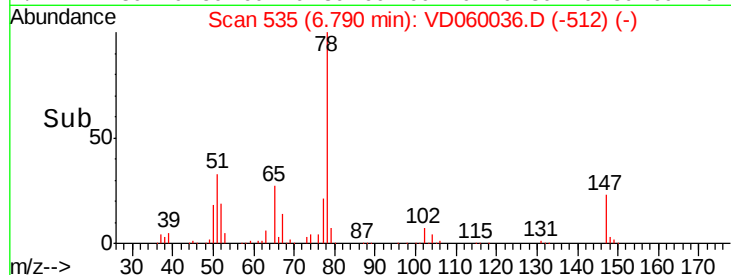
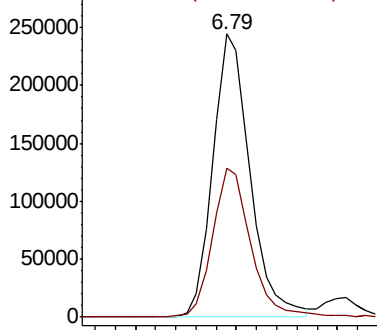
MMDadoda

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.45 min Scan# 602

Delta R.T. 0.03 min

Lab File: VD060036.D

Acq: 19 Sep 2018 10:34

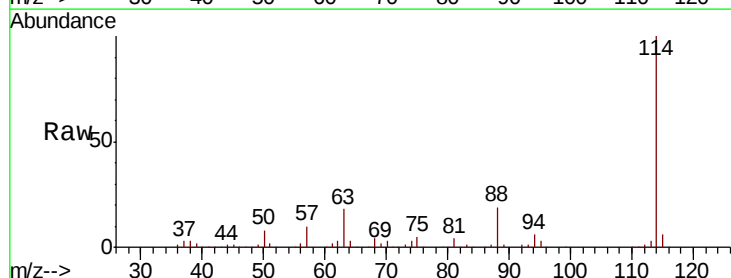
Tgt Ion:114 Resp: 2398323

Ion Ratio Lower Upper

114 100

63 18.4 0.0 34.4

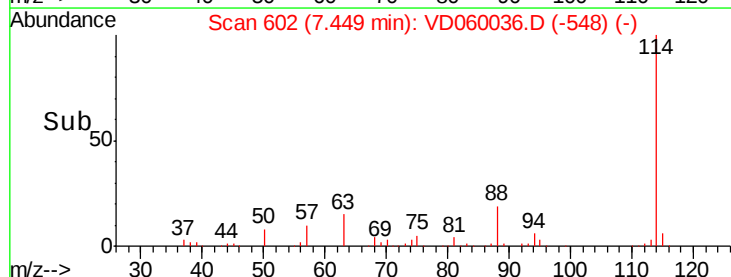
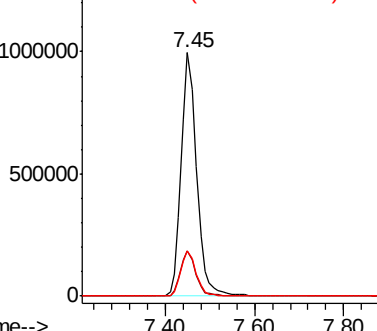
88 18.6 0.0 35.8

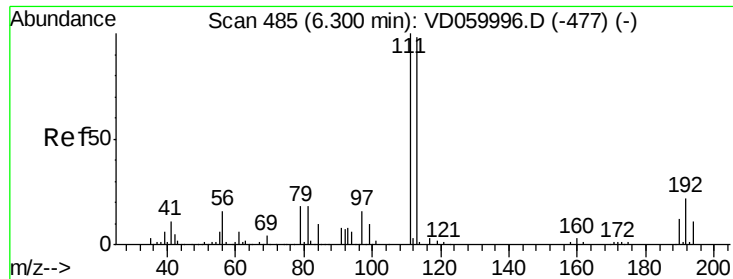


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





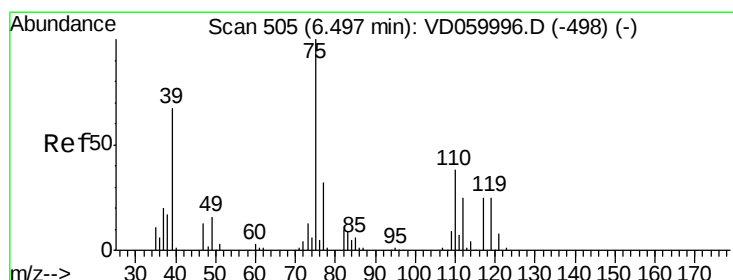
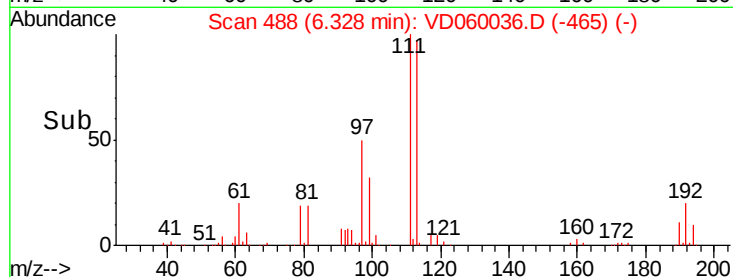
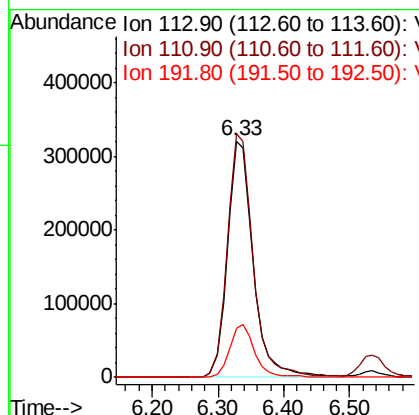
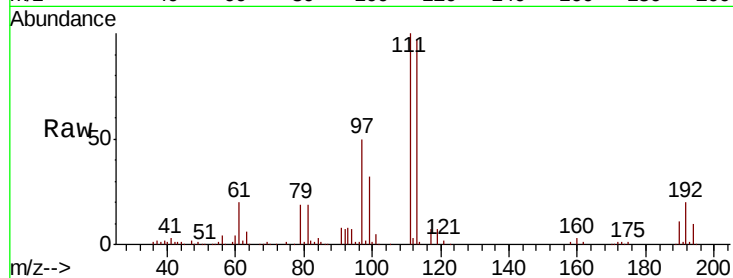
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.33 min Scan# 488
 Delta R.T. 0.03 min
 Lab File: VD060036.D
 Acq: 19 Sep 2018 10:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	878220		
111	103.2	81.3	121.9	
192	20.7	18.1	27.1	

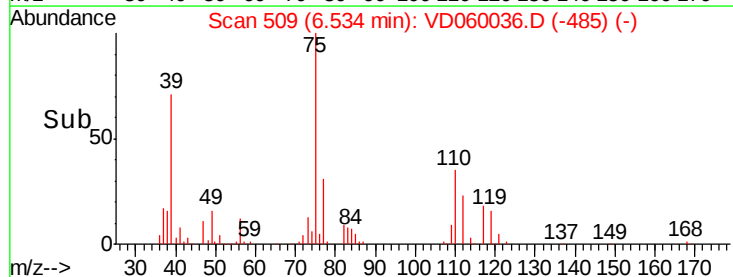
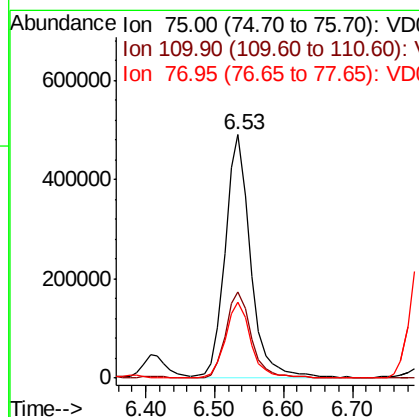
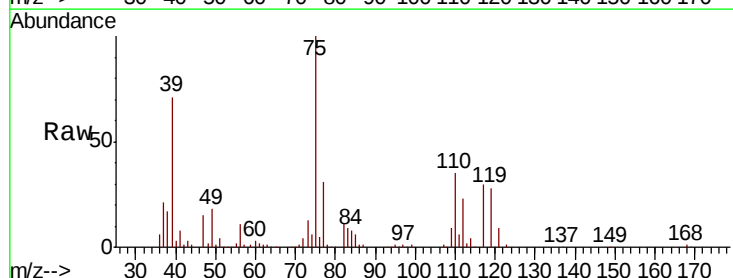
Manual Integrations
 APPROVED

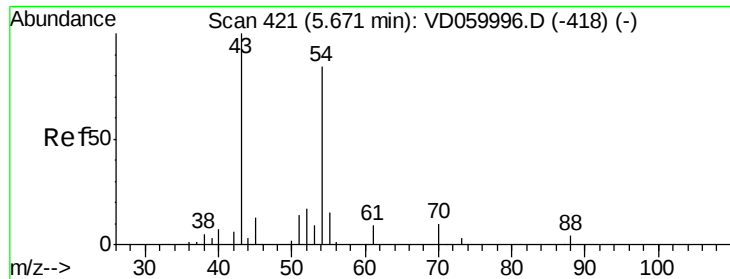
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#36
 1,1-Dichloropropene
 Concen: 51.749 ug/l
 RT: 6.53 min Scan# 509
 Delta R.T. 0.04 min
 Lab File: VD060036.D
 Acq: 19 Sep 2018 10:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1232851		
110	35.3	18.9	56.9	
77	31.1	25.3	37.9	





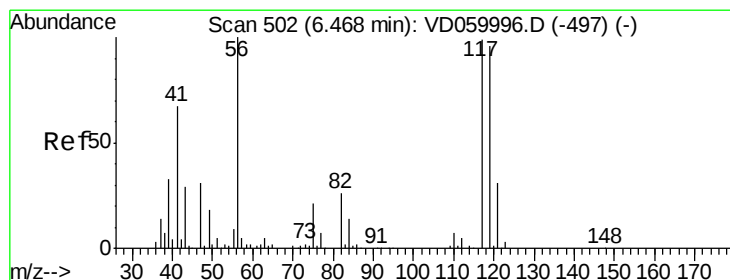
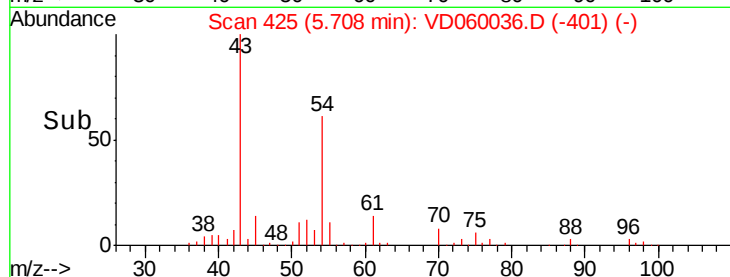
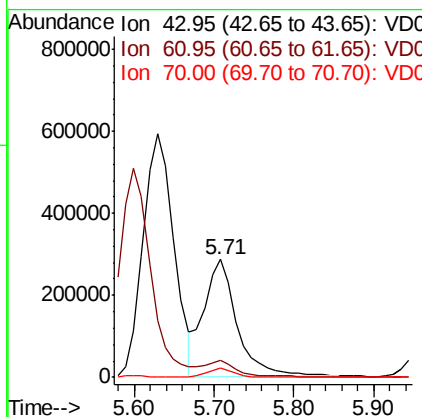
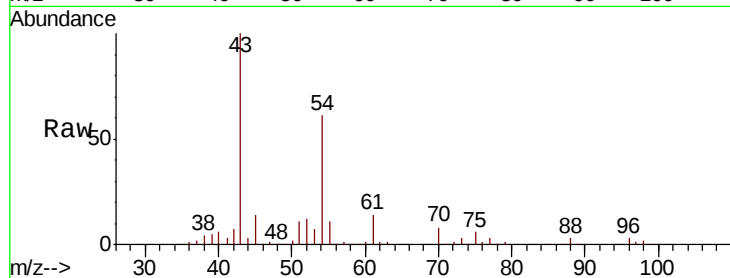
#37
Ethyl Acetate
Concen: 50.282 ug/l
RT: 5.71 min Scan# 425
Delta R.T. 0.04 min
Lab File: VD060036.D
Acq: 19 Sep 2018 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.2	15.2
70	7.6	6.1	9.1

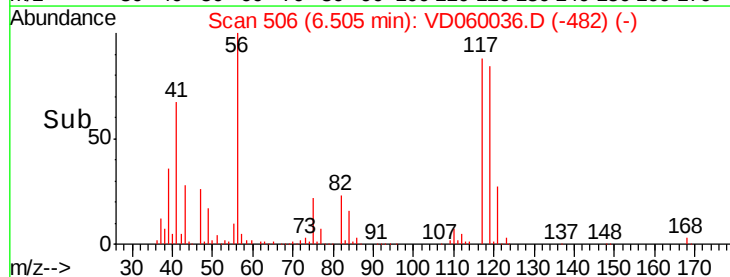
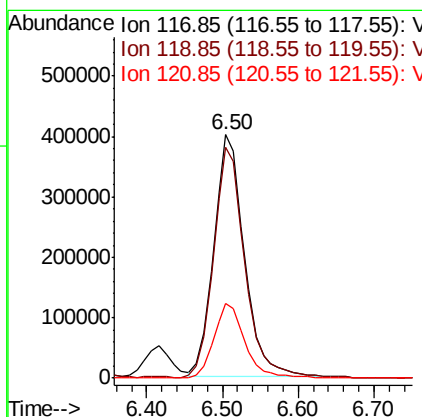
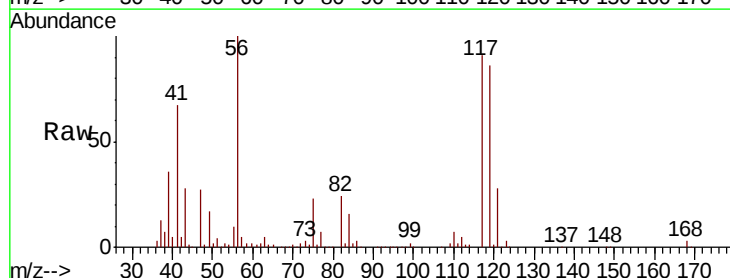
Manual Integrations
APPROVED

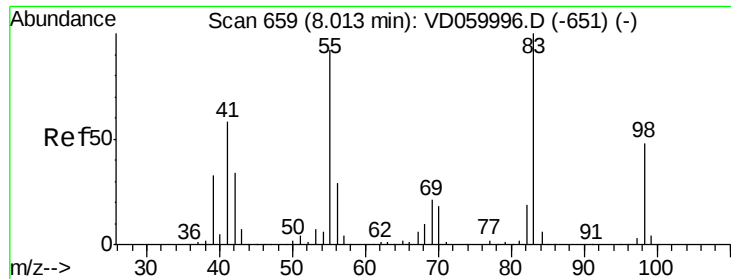
MMDadoda
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#38
Carbon Tetrachloride
Concen: 50.902 ug/l
RT: 6.50 min Scan# 506
Delta R.T. 0.04 min
Lab File: VD060036.D
Acq: 19 Sep 2018 10:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.7	115.1
121	30.6	24.9	37.3





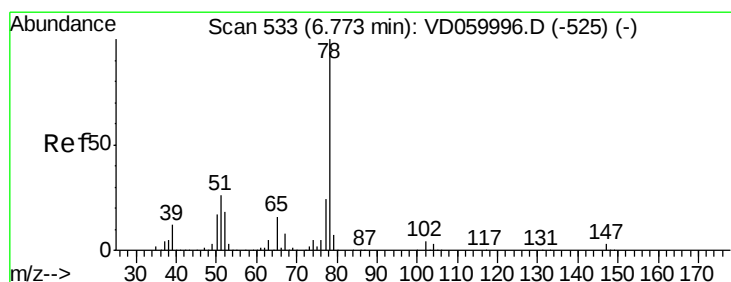
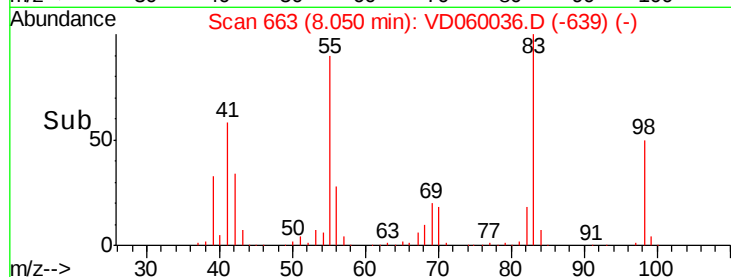
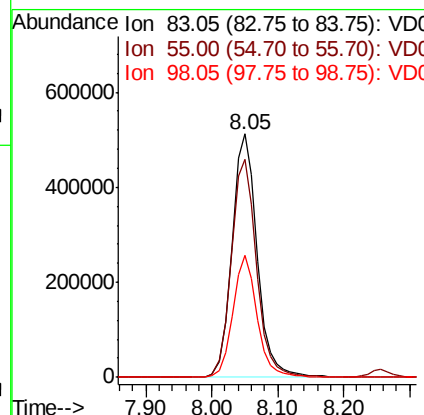
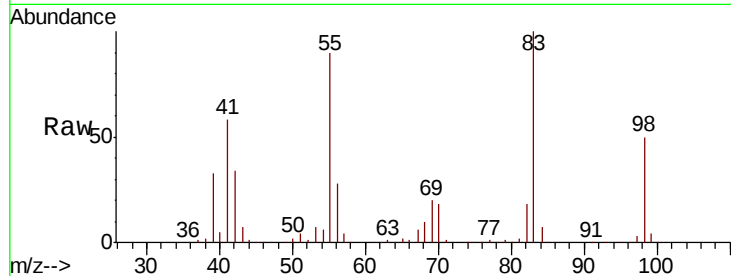
#39
Methvlcvclohexane
Concen: 50.993 ug/l
RT: 8.05 min Scan# 663
Delta R.T. 0.04 min
Lab File: VD060036.D
Acq: 19 Sep 2018 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 1374271
Ion Ratio Lower Upper
83 100
55 89.7 73.8 110.6
98 50.3 38.1 57.1

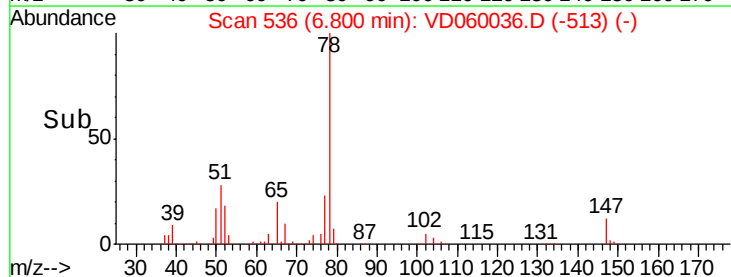
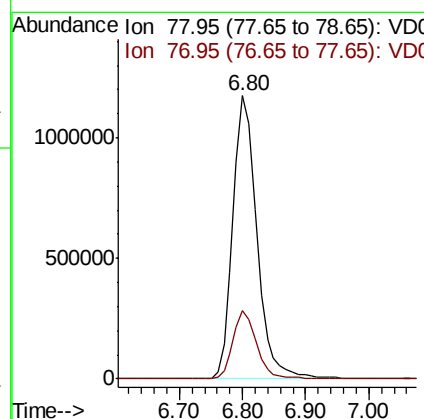
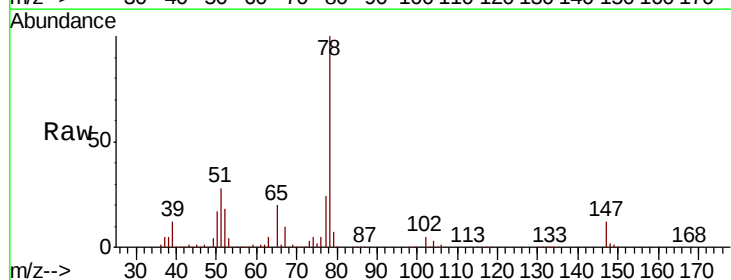
Manual Integrations
APPROVED

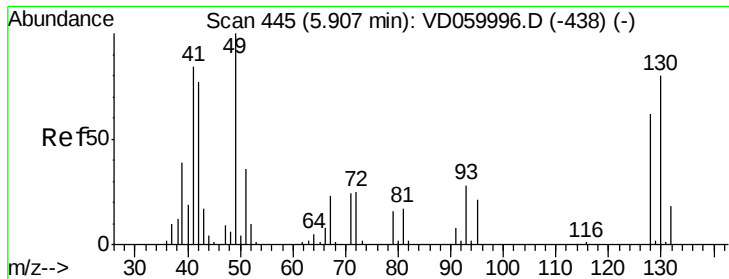
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#40
Benzene
Concen: 51.153 ug/l
RT: 6.80 min Scan# 536
Delta R.T. 0.03 min
Lab File: VD060036.D
Acq: 19 Sep 2018 10:34

Tgt Ion: 78 Resp: 3106054
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.4





#41

Methacrylonitrile

Concen: 52.767 ug/l m

RT: 5.94 min Scan# 449

Delta R.T. 0.04 min

Lab File: VD060036.D

Acq: 19 Sep 2018 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 452780

Ion Ratio Lower Upper

41 100

39 47.8 37.5 56.3

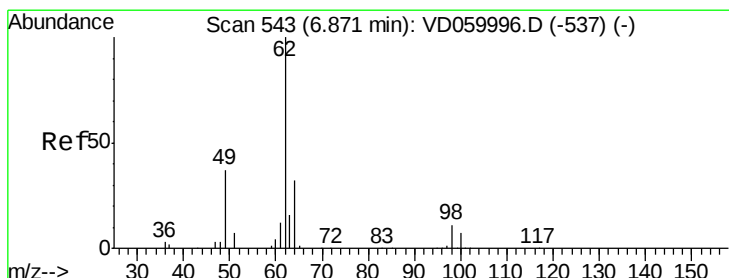
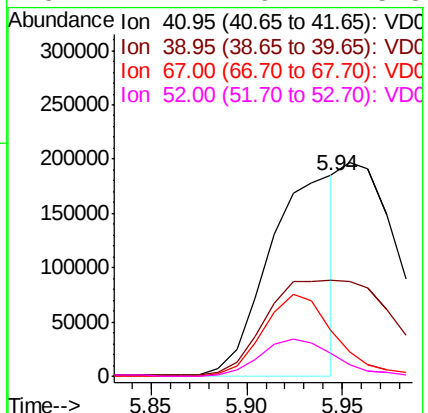
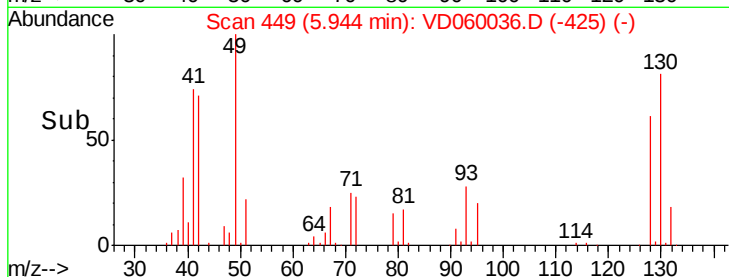
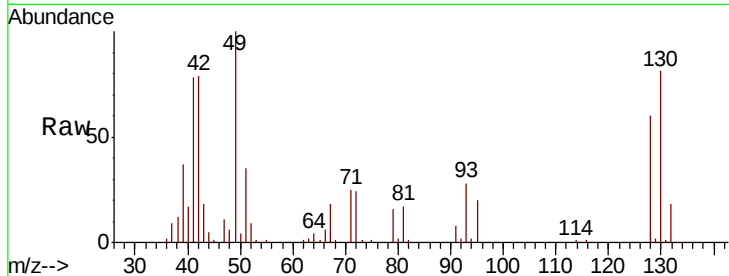
67 23.3 21.5 32.3

52 11.4 9.2 13.8

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 49.346 ug/l

RT: 6.90 min Scan# 546

Delta R.T. 0.03 min

Lab File: VD060036.D

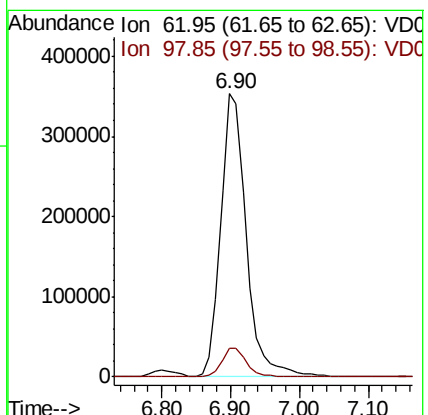
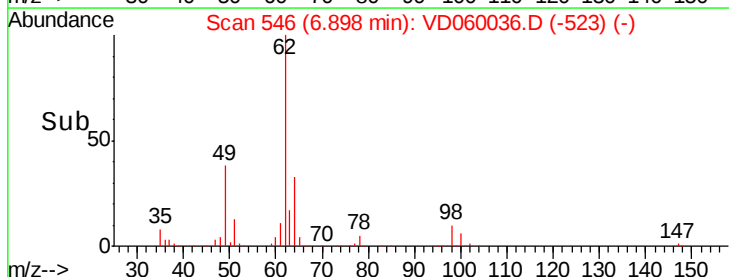
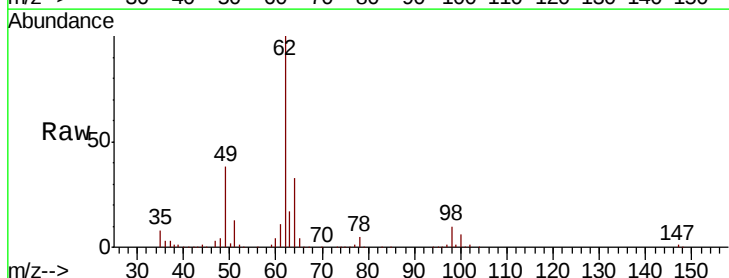
Acq: 19 Sep 2018 10:34

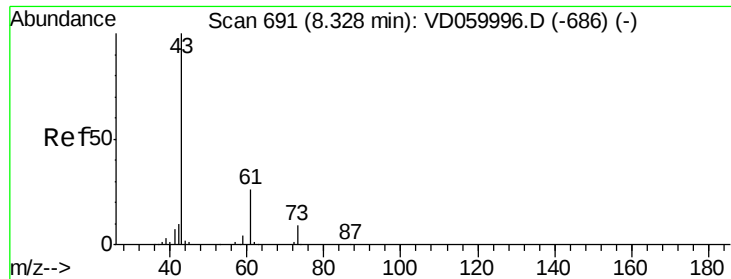
Tgt Ion: 62 Resp: 899687

Ion Ratio Lower Upper

62 100

98 10.0 0.0 21.4





#43

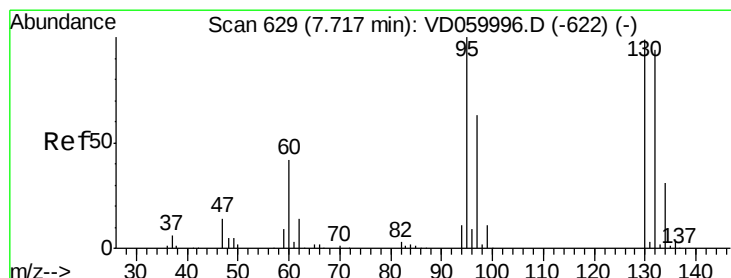
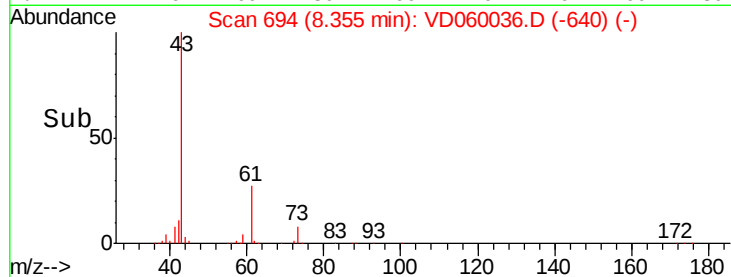
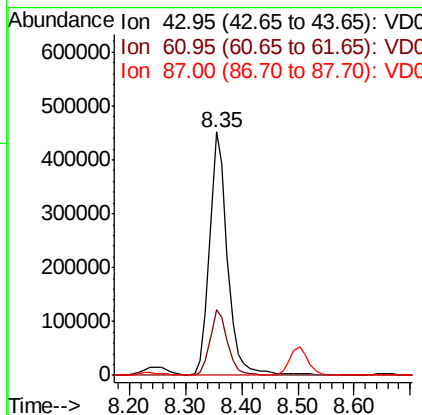
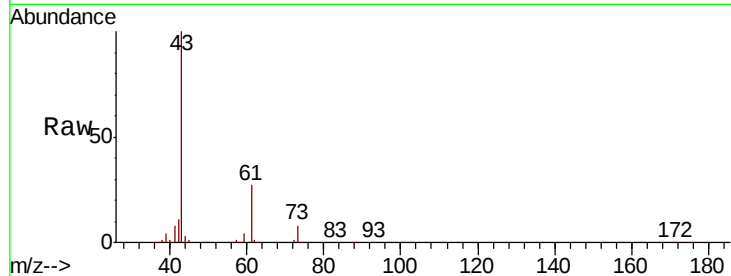
Isopropyl Acetate
 Concen: 46.233 ug/l
 RT: 8.35 min Scan# 694
 Delta R.T. 0.03 min
 Lab File: VD060036.D
 Acq: 19 Sep 2018 10:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1014130
 Ion Ratio Lower Upper
 43 100
 61 26.8 21.0 31.6
 87 0.3 0.2 0.2#

Manual Integrations
 APPROVED

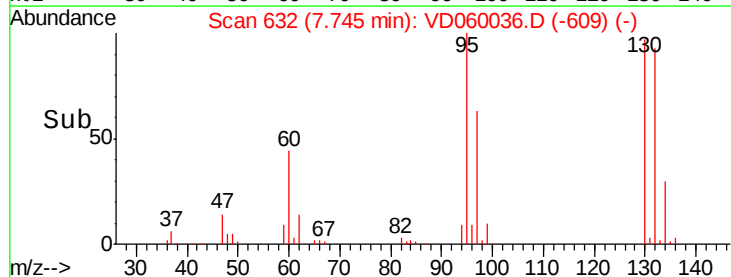
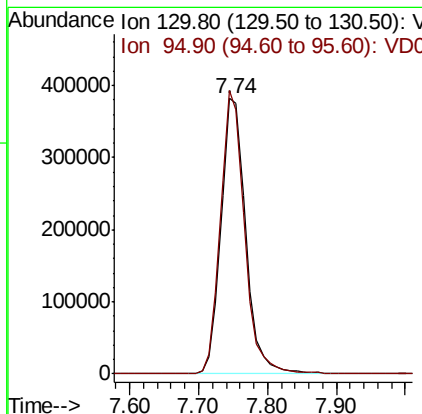
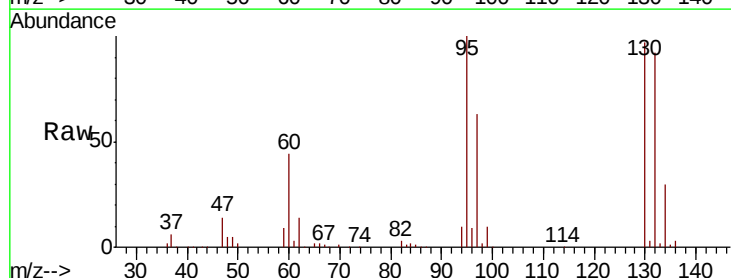
MMDadoda
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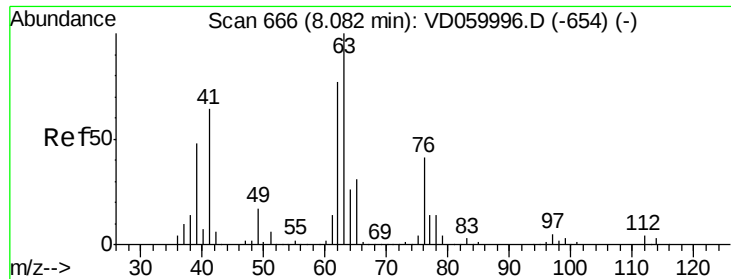


#44

Trichloroethene
 Concen: 50.665 ug/l
 RT: 7.74 min Scan# 632
 Delta R.T. 0.03 min
 Lab File: VD060036.D
 Acq: 19 Sep 2018 10:34

Tgt Ion: 130 Resp: 950502
 Ion Ratio Lower Upper
 130 100
 95 102.8 0.0 202.0





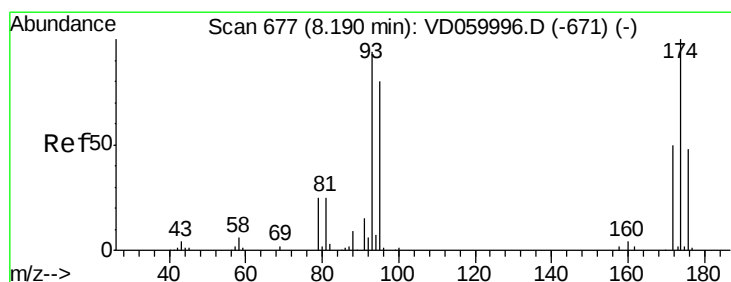
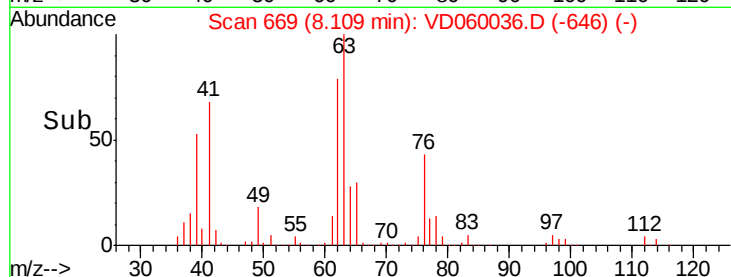
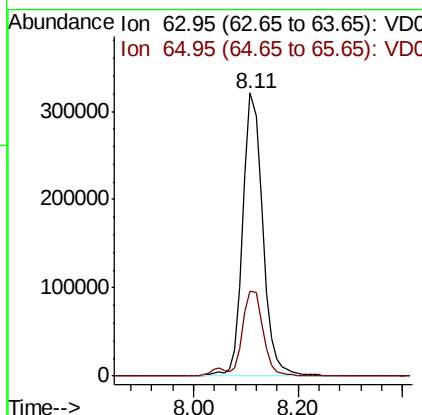
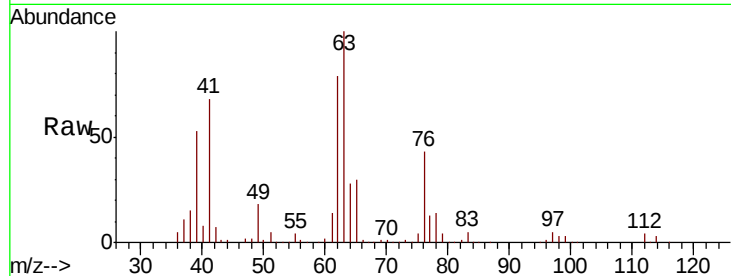
#45
 1,2-Dichloropropane
 Concen: 50.599 ug/l
 RT: 8.11 min Scan# 669
 Delta R.T. 0.03 min
 Lab File: VD060036.D
 Acq: 19 Sep 2018 10:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 821560
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.6 37.0

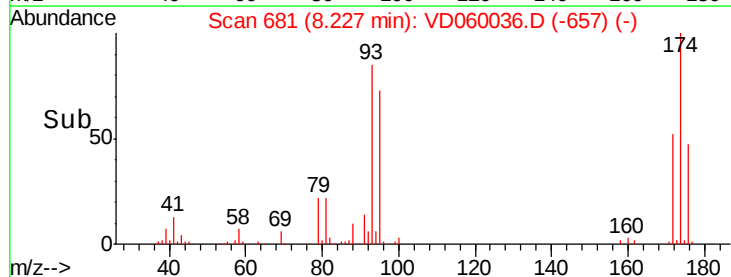
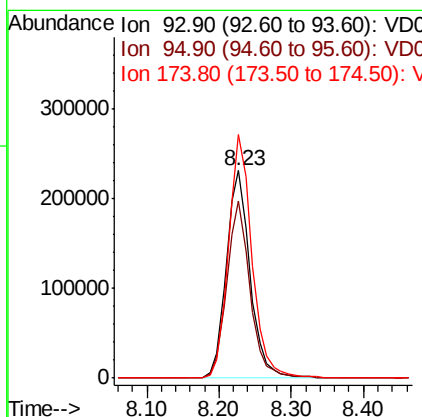
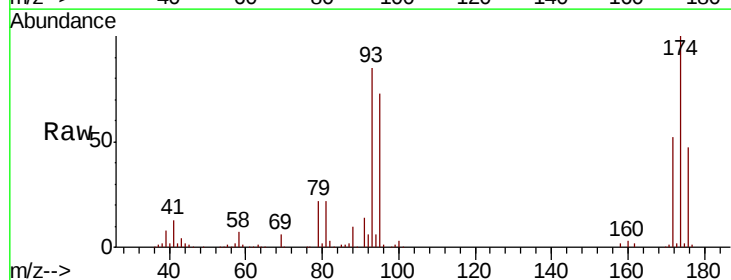
Manual Integrations
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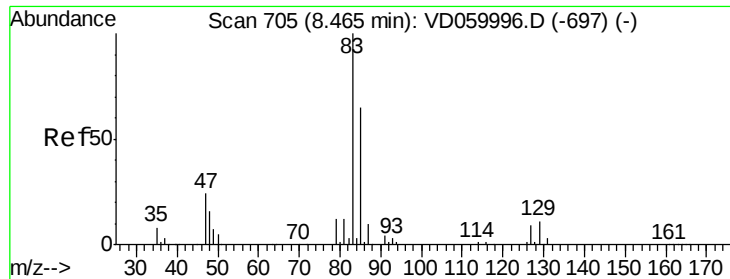
MMDadoda
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#46
 Dibromomethane
 Concen: 49.922 ug/l
 RT: 8.23 min Scan# 681
 Delta R.T. 0.04 min
 Lab File: VD060036.D
 Acq: 19 Sep 2018 10:34

Tgt Ion: 93 Resp: 528873
 Ion Ratio Lower Upper
 93 100
 95 85.4 68.0 102.0
 174 117.3 85.4 128.2





#47

Bromodichloromethane

Concen: 51.506 ug/l

RT: 8.50 min Scan# 709

Delta R.T. 0.04 min

Lab File: VD060036.D

Acq: 19 Sep 2018 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 1176420

Ion Ratio Lower Upper

83 100

85 63.6 51.9 77.9

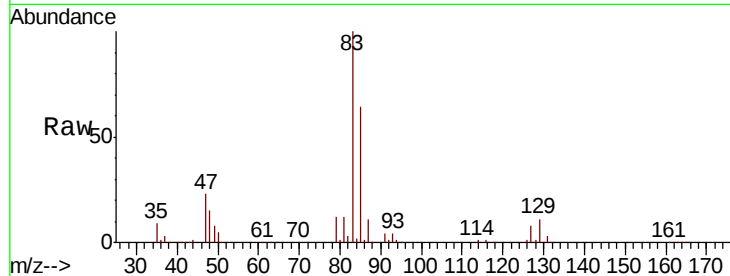
127 8.3 6.8 10.2

Manual Integrations

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Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC

600000

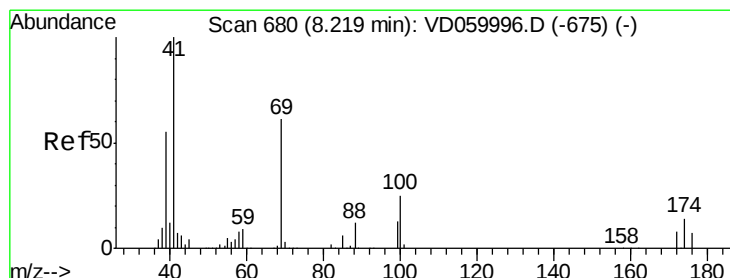
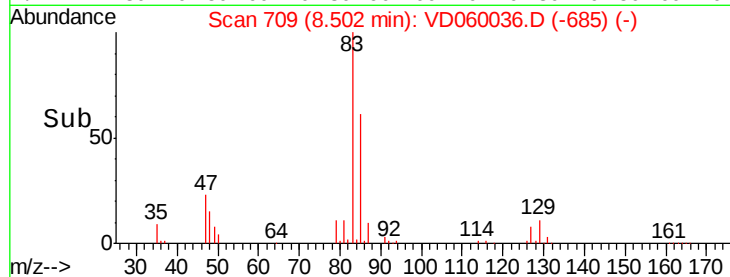
400000

200000

0

8.30 8.40 8.50 8.60 8.70

Time-->



#48

Methyl methacrylate

Concen: 48.811 ug/l

RT: 8.26 min Scan# 684

Delta R.T. 0.04 min

Lab File: VD060036.D

Acq: 19 Sep 2018 10:34

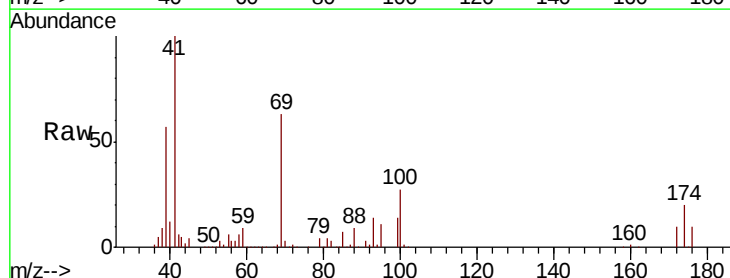
Tgt Ion: 41 Resp: 596311

Ion Ratio Lower Upper

41 100

69 62.8 48.3 72.5

39 57.1 44.1 66.1



Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

300000

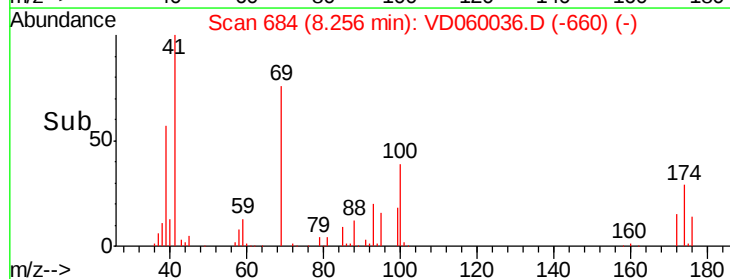
200000

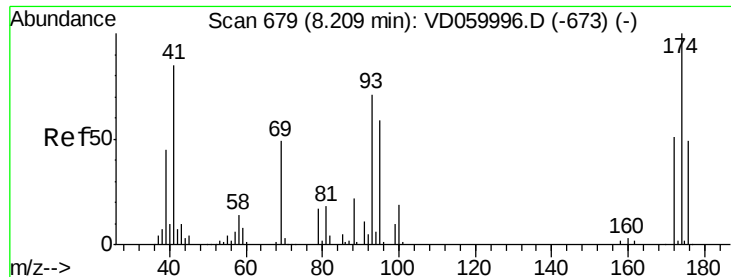
100000

0

8.15 8.20 8.25 8.30 8.35

Time-->





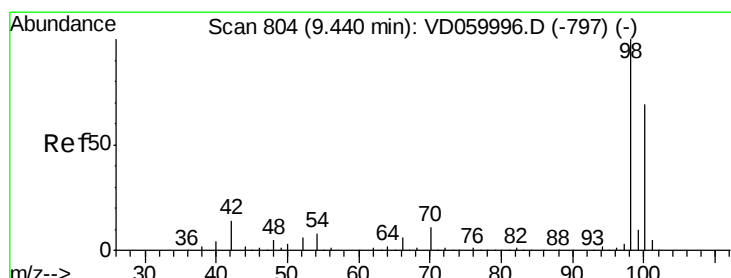
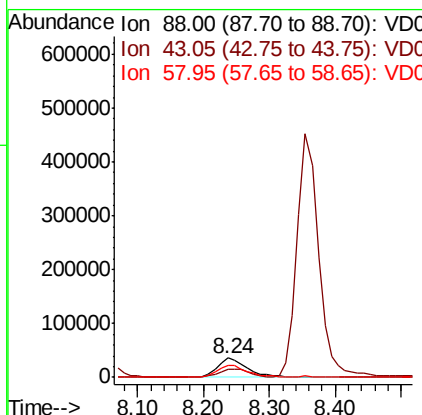
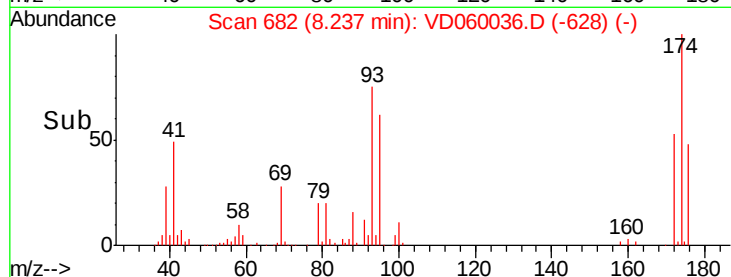
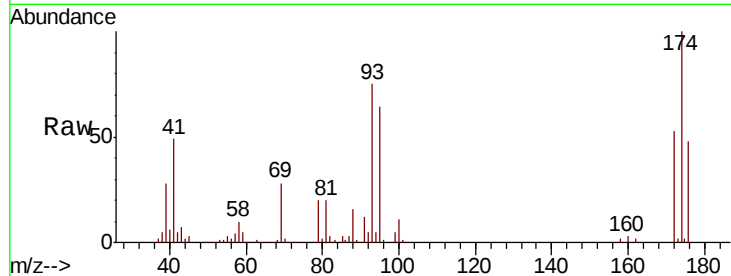
#49
1,4-Dioxane
Concen: 936.050 ug/l
RT: 8.24 min Scan# 682
Delta R.T. 0.03 min
Lab File: VD060036.D
Acq: 19 Sep 2018 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.6	36.2	54.2
58	61.2	51.0	76.6

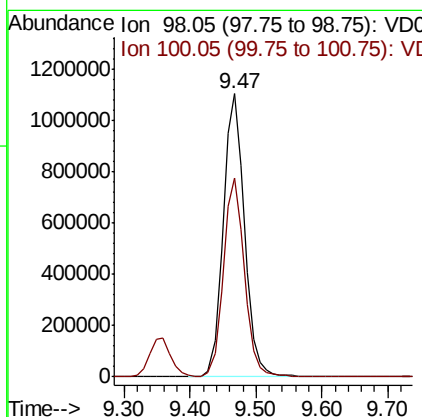
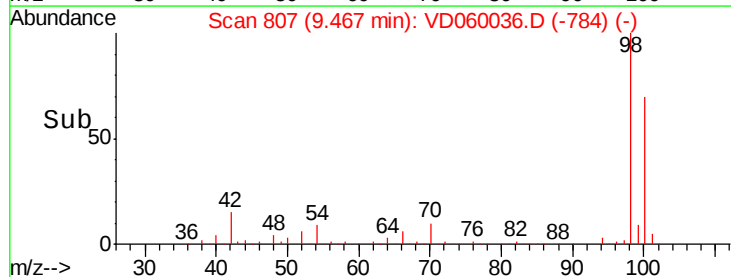
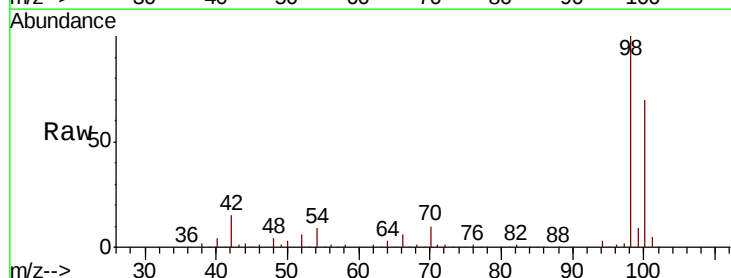
Manual Integrations
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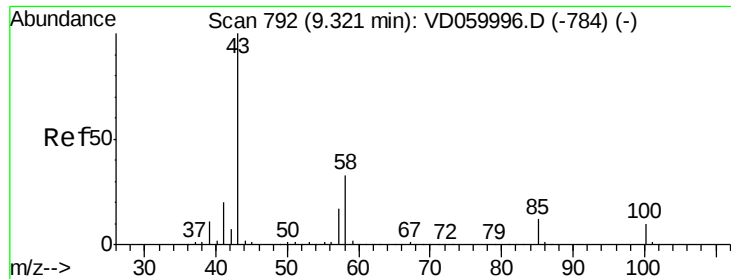
MMDadoda
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#50
Toluene-d8
Concen: 936.050 ug/l
RT: 9.47 min Scan# 807
Delta R.T. 0.03 min
Lab File: VD060036.D
Acq: 19 Sep 2018 10:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.3	55.8	83.6





#51

4-Methyl-2-Pentanone

Concen: 228.616 ug/l

RT: 9.35 min Scan# 795

Delta R.T. 0.03 min

Lab File: VD060036.D

Acq: 19 Sep 2018 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3340536

Ion Ratio Lower Upper

43 100

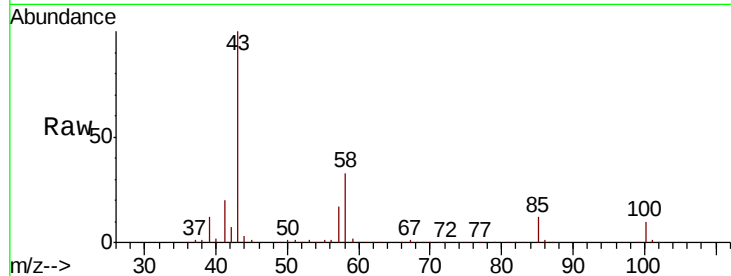
58 33.1 26.4 39.6

Manual Integrations

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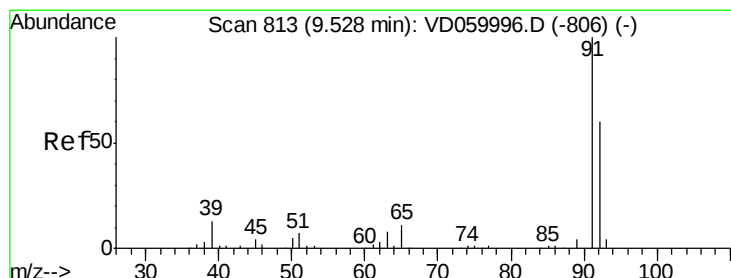
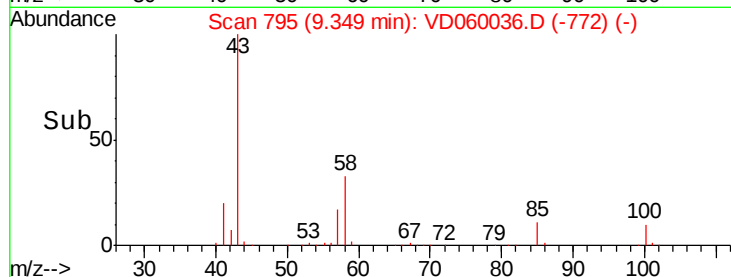
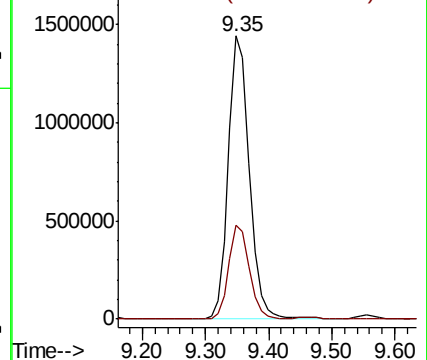
MMDadoda

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 51.411 ug/l

RT: 9.56 min Scan# 816

Delta R.T. 0.03 min

Lab File: VD060036.D

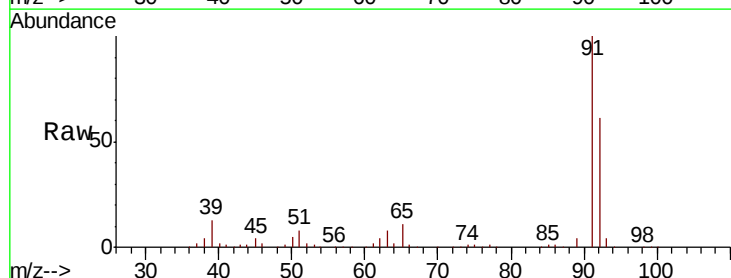
Acq: 19 Sep 2018 10:34

Tgt Ion: 92 Resp: 2000968

Ion Ratio Lower Upper

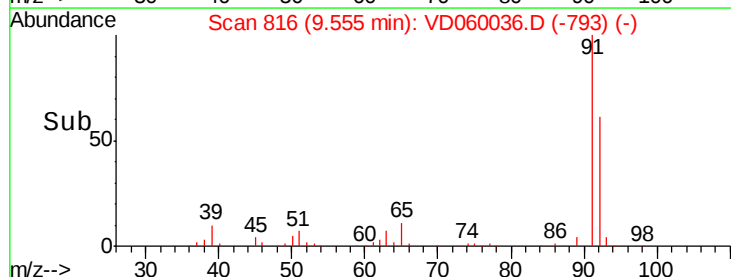
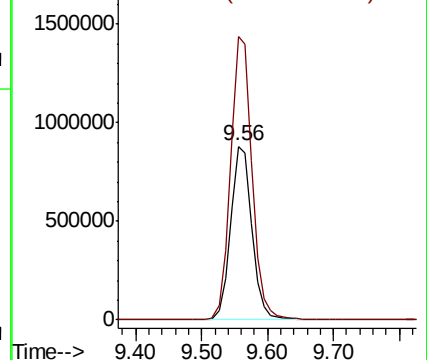
92 100

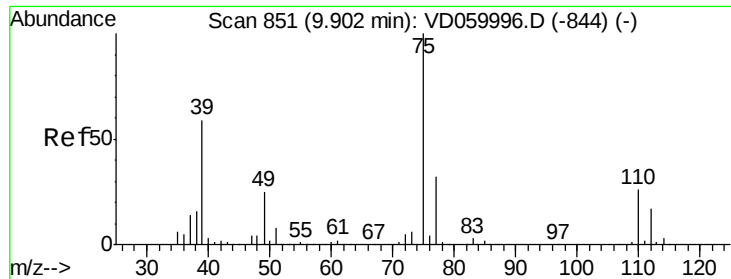
91 163.3 132.3 198.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





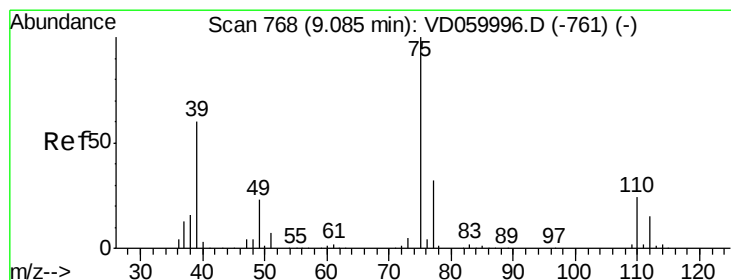
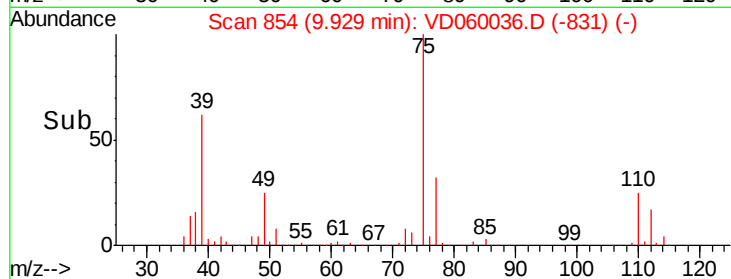
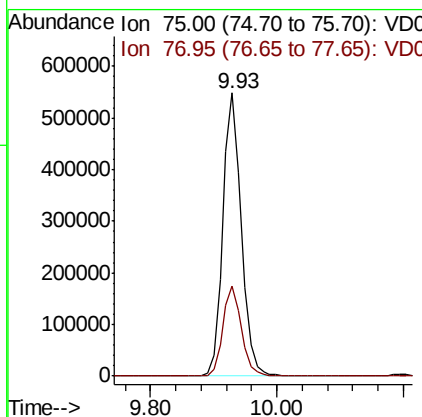
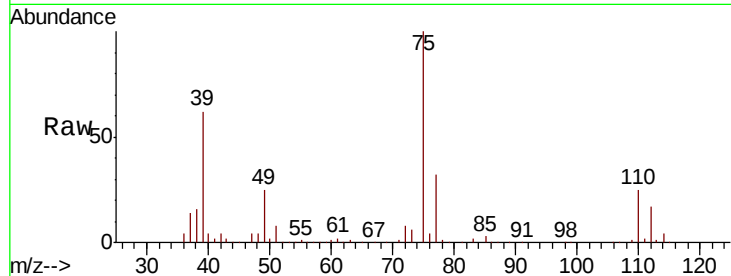
#53
t-1,3-Dichloropropene
Concen: 52.335 ug/l
RT: 9.93 min Scan# 854
Delta R.T. 0.03 min
Lab File: VD060036.D
Acq: 19 Sep 2018 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 1114866
Ion Ratio Lower Upper
75 100
77 31.9 25.6 38.4

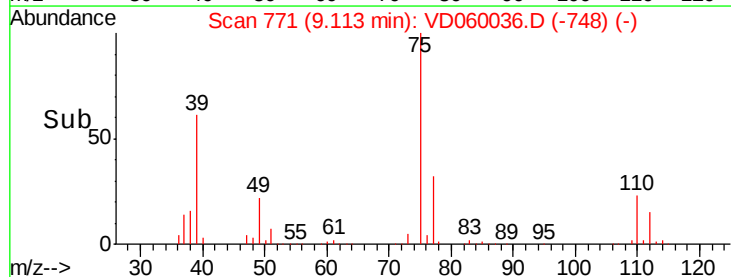
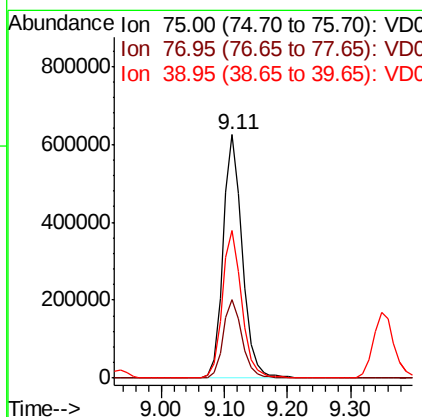
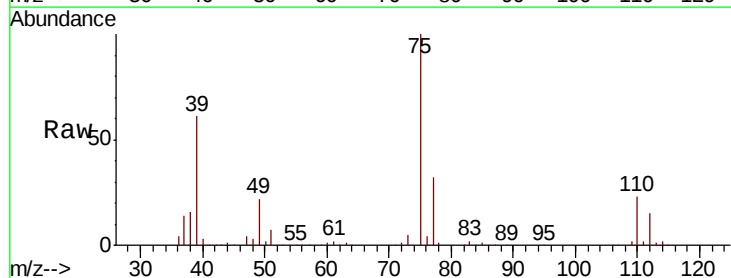
Manual Integrations
APPROVED

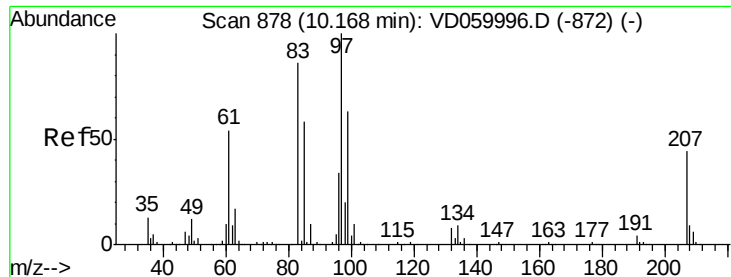
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#54
cis-1,3-Dichloropropene
Concen: 51.887 ug/l
RT: 9.11 min Scan# 771
Delta R.T. 0.03 min
Lab File: VD060036.D
Acq: 19 Sep 2018 10:34

Tgt Ion: 75 Resp: 1320642
Ion Ratio Lower Upper
75 100
77 32.0 25.5 38.3
39 60.8 48.0 72.0





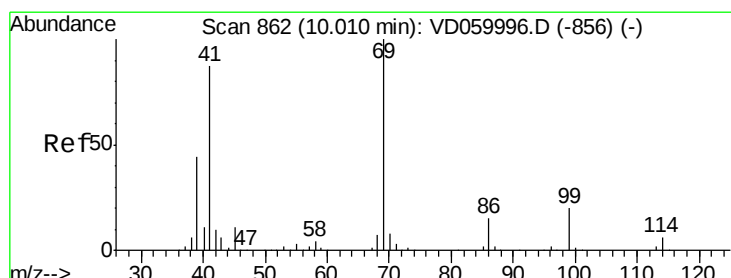
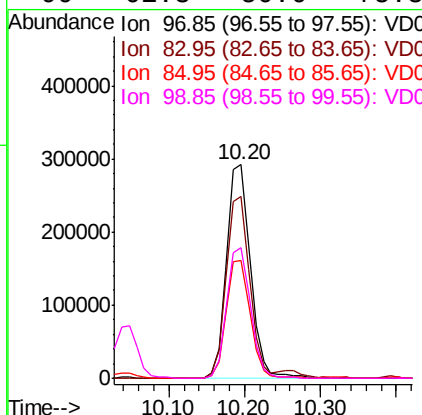
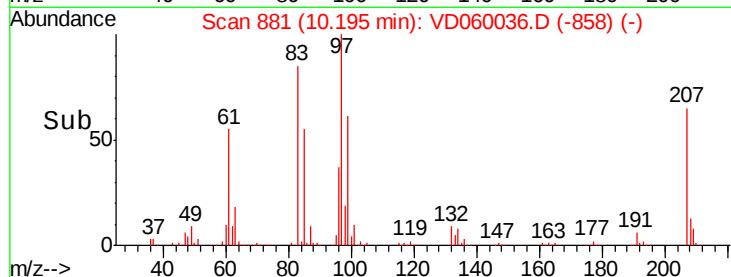
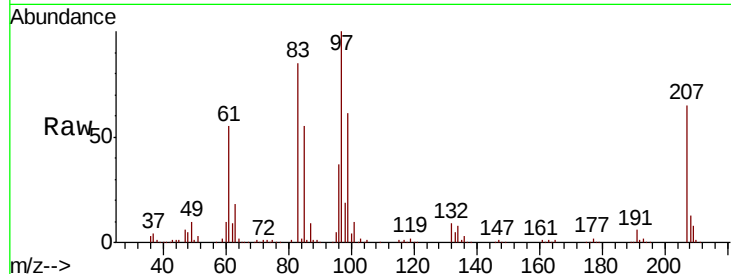
#55
 1,1,2-Trichloroethane
 Concen: 47.119 ug/l
 RT: 10.20 min Scan# 881
 Delta R.T. 0.03 min
 Lab File: VD060036.D
 Acq: 19 Sep 2018 10:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	636744		
83	85.1	69.1	103.7	
85	55.0	46.2	69.4	
99	61.3	50.6	75.8	

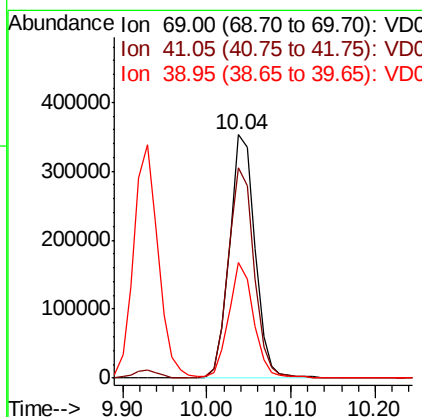
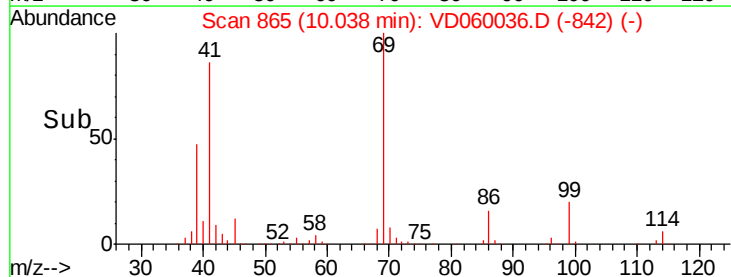
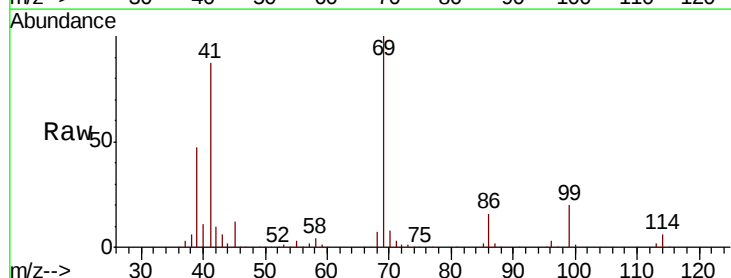
Manual Integrations
 APPROVED

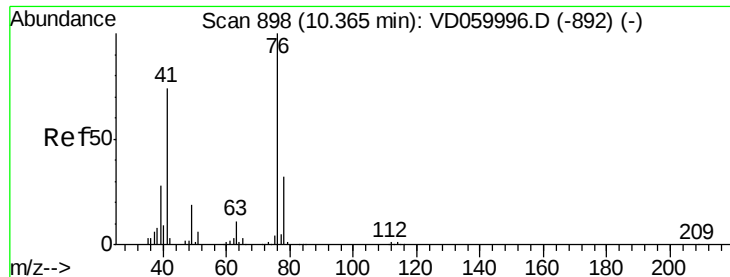
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#56
 Ethyl methacrylate
 Concen: 49.878 ug/l
 RT: 10.04 min Scan# 865
 Delta R.T. 0.03 min
 Lab File: VD060036.D
 Acq: 19 Sep 2018 10:34

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	747615		
41	86.6	70.1	105.1	
39	47.4	36.5	54.7	





#57

1,3-Dichloropropane

Concen: 51.399 ug/l

RT: 10.39 min Scan# 901

Delta R.T. 0.03 min

Lab File: VD060036.D

Acq: 19 Sep 2018 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 1025276

Ion Ratio Lower Upper

76 100

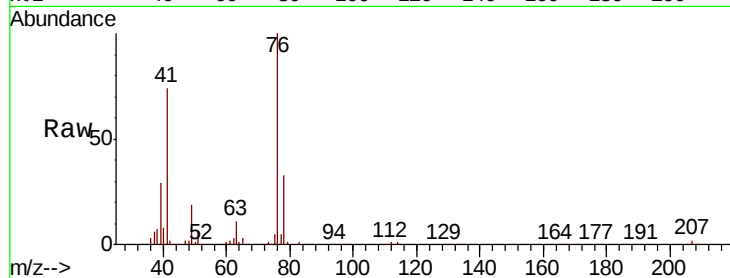
78 32.6 25.3 37.9

Manual Integrations

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MMDadoda

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Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

10.39

500000

400000

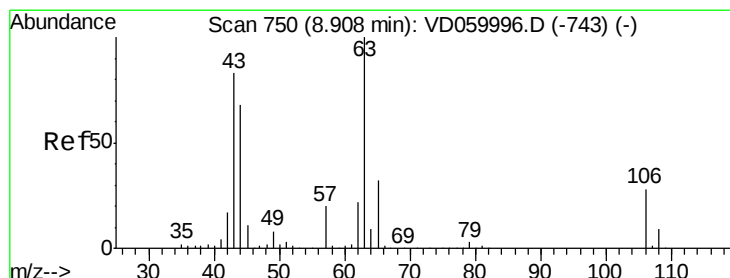
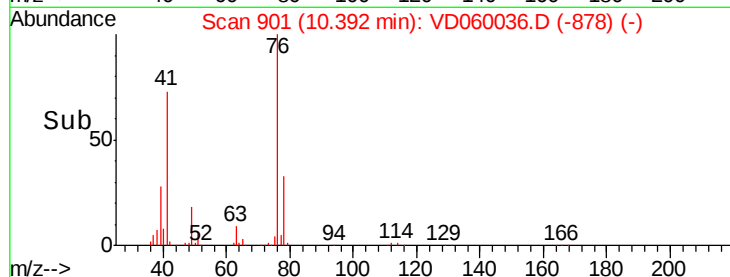
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 254.098 ug/l

RT: 8.94 min Scan# 753

Delta R.T. 0.03 min

Lab File: VD060036.D

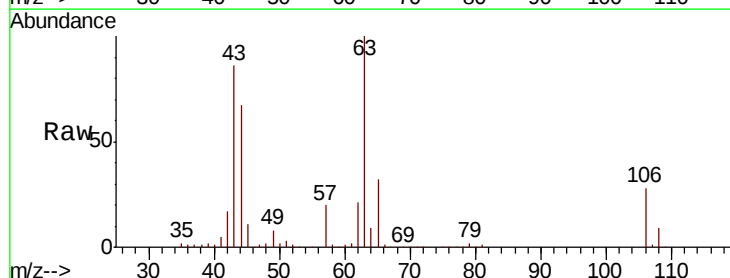
Acq: 19 Sep 2018 10:34

Tgt Ion: 63 Resp: 1839154

Ion Ratio Lower Upper

63 100

106 28.1 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.94

800000

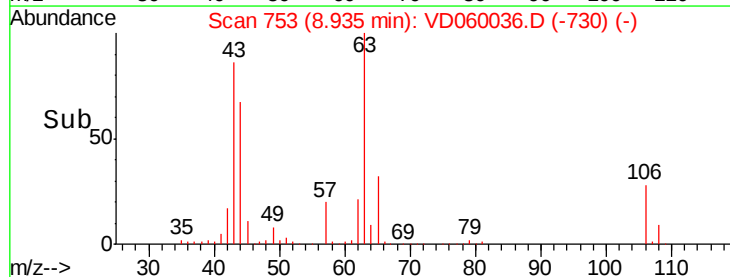
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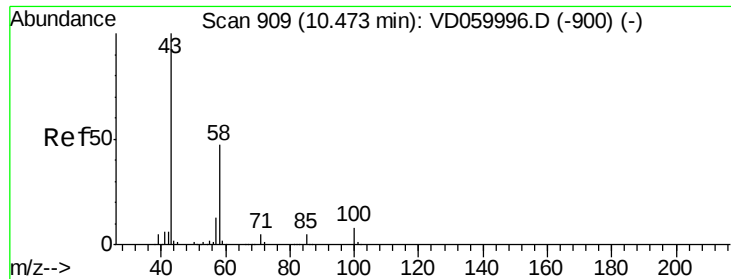
400000

200000

0

Time-->





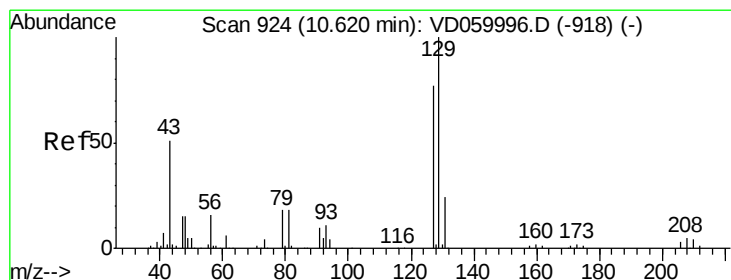
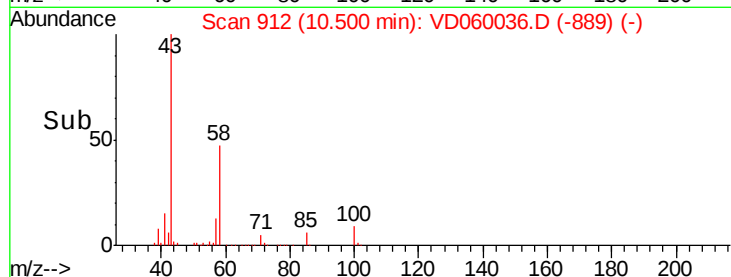
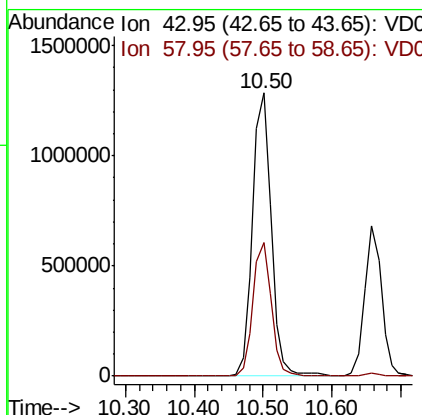
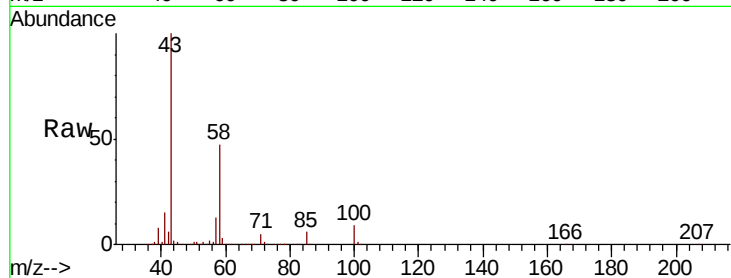
#59
2-Hexanone
Concen: 233.975 ug/l
RT: 10.50 min Scan# 912
Delta R.T. 0.03 min
Lab File: VD060036.D
Acq: 19 Sep 2018 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2436651
Ion Ratio Lower Upper
43 100
58 47.1 23.4 70.0

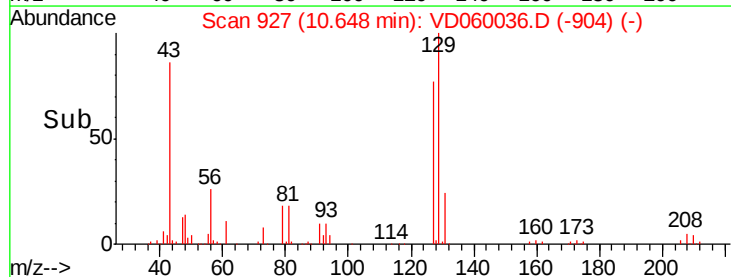
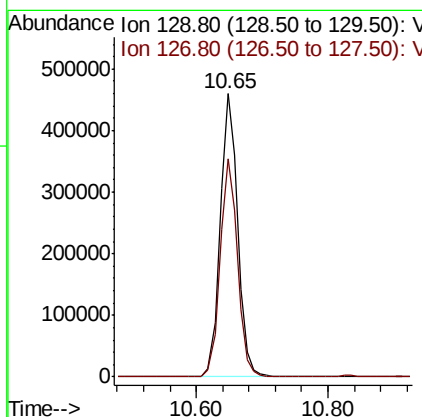
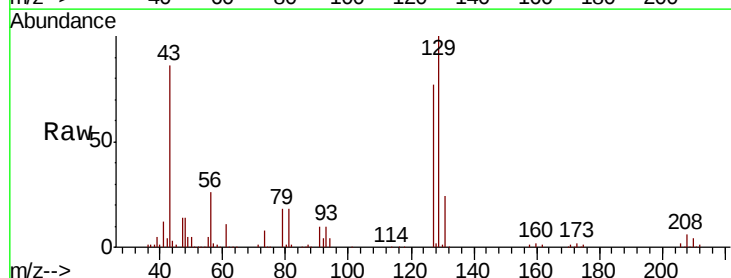
Manual Integrations
APPROVED

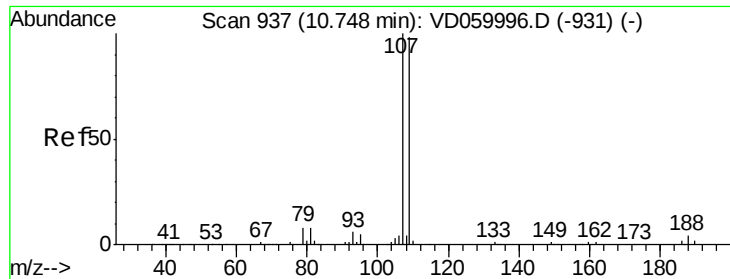
MMDadoda
9/21/2018 5:02:13 PM



#60
Dibromochloromethane
Concen: 51.575 ug/l
RT: 10.65 min Scan# 927
Delta R.T. 0.03 min
Lab File: VD060036.D
Acq: 19 Sep 2018 10:34

Tgt Ion: 129 Resp: 848297
Ion Ratio Lower Upper
129 100
127 77.2 38.6 116.0





#61

1,2-Dibromoethane

Concen: 49.728 ug/l

RT: 10.77 min Scan# 939

Delta R.T. 0.02 min

Lab File: VD060036.D

Acq: 19 Sep 2018 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 693819

Ion Ratio Lower Upper

107 100

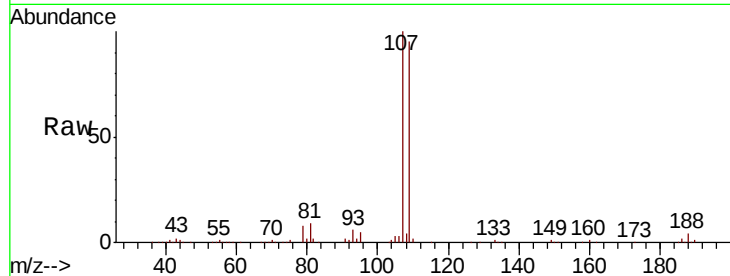
109 94.5 78.2 117.2

Manual Integrations

APPROVED

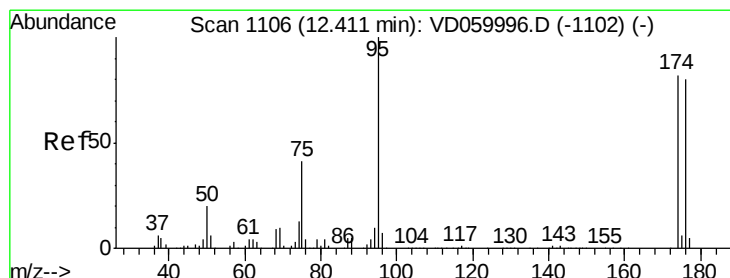
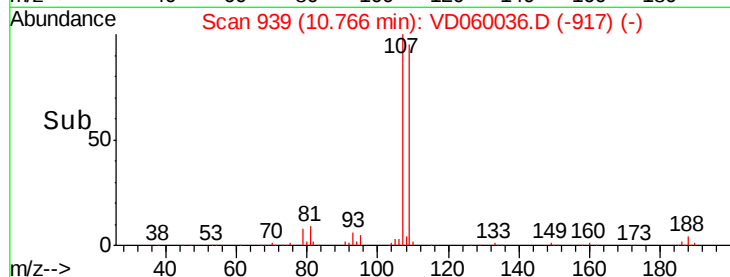
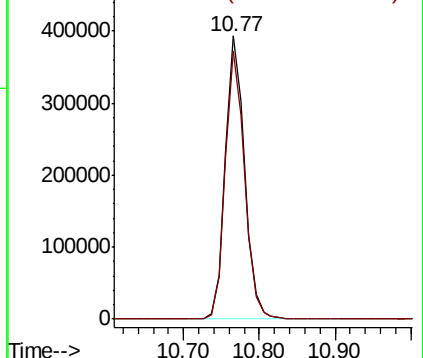
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 49.728 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.02 min

Lab File: VD060036.D

Acq: 19 Sep 2018 10:34

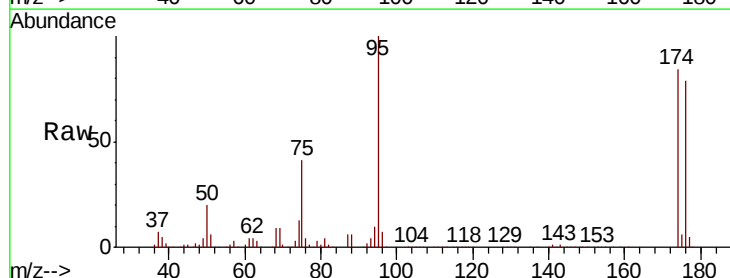
Tgt Ion: 95 Resp: 908282

Ion Ratio Lower Upper

95 100

174 83.6 0.0 165.0

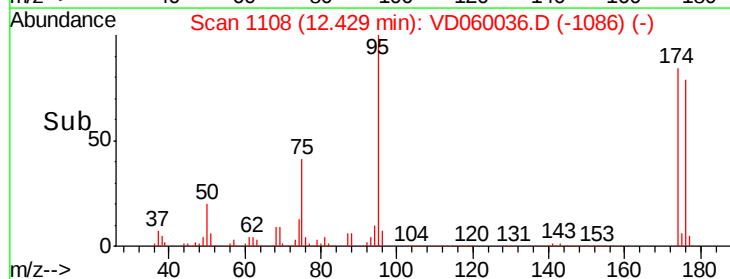
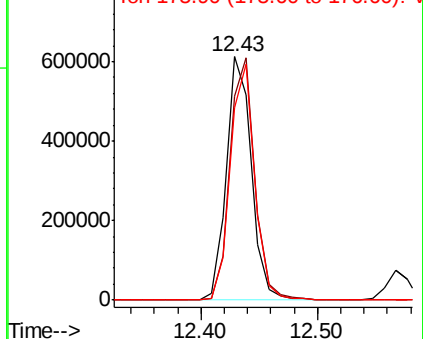
176 79.0 0.0 160.2

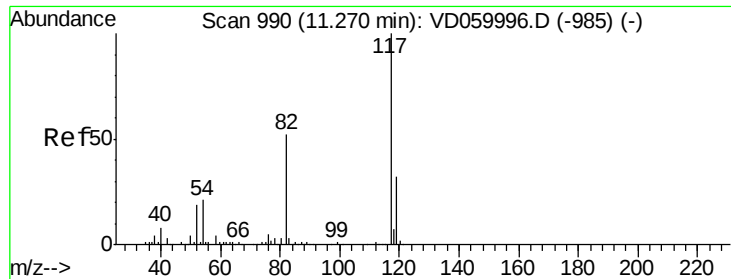


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





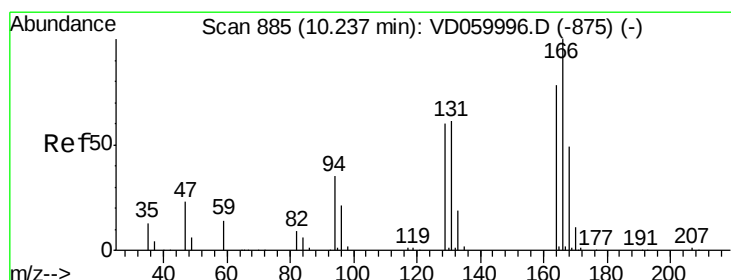
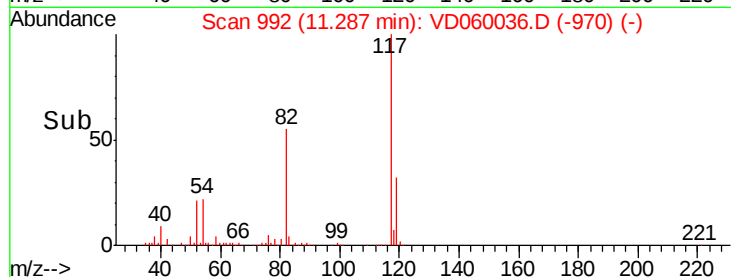
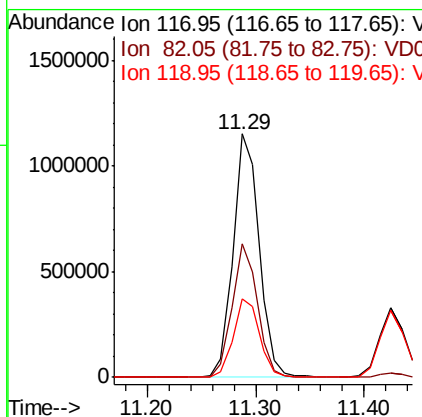
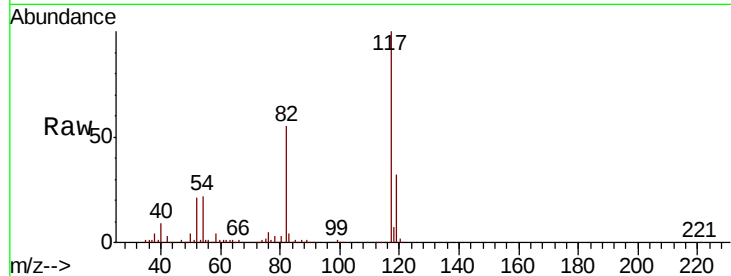
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 992
Delta R.T. 0.02 min
Lab File: VD060036.D
Acq: 19 Sep 2018 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1923339
Ion Ratio Lower Upper
117 100
82 54.7 41.7 62.5
119 32.3 26.0 39.0

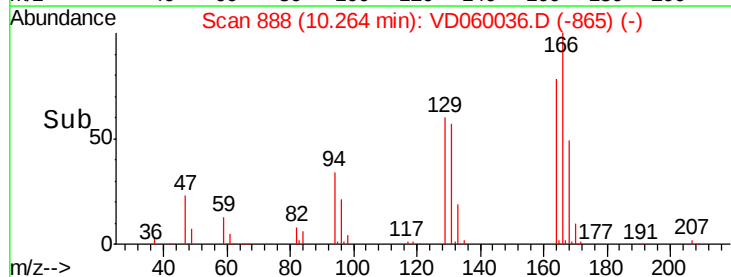
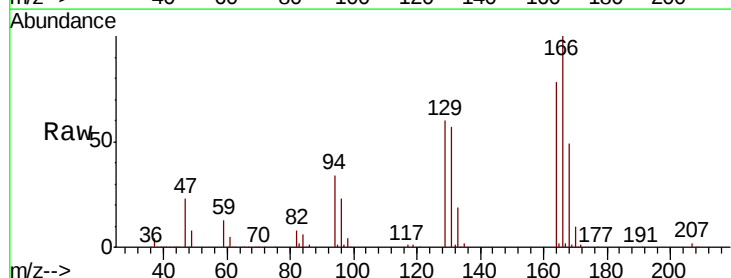
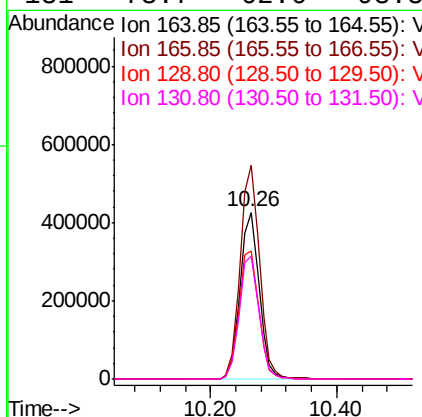
Manual Integrations
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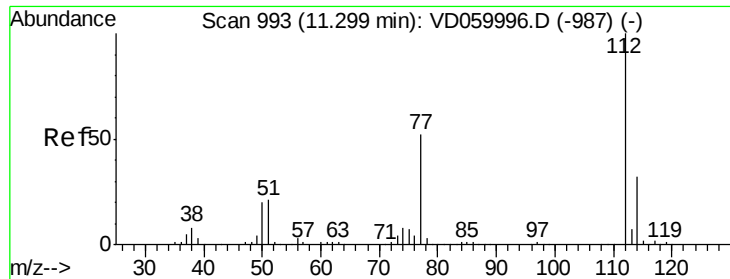
MMDadoda
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#64
Tetrachloroethene
Concen: 52.372 ug/l
RT: 10.26 min Scan# 888
Delta R.T. 0.03 min
Lab File: VD060036.D
Acq: 19 Sep 2018 10:34

Tgt Ion:164 Resp: 888737
Ion Ratio Lower Upper
164 100
166 128.3 103.0 154.6
129 77.1 61.9 92.9
131 73.7 62.6 93.8





#65

Chlorobenzene

Concen: 52.237 ug/l

RT: 11.32 min Scan# 995

Delta R.T. 0.02 min

Lab File: VD060036.D

Acq: 19 Sep 2018 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 2160034

Ion Ratio Lower Upper

112 100

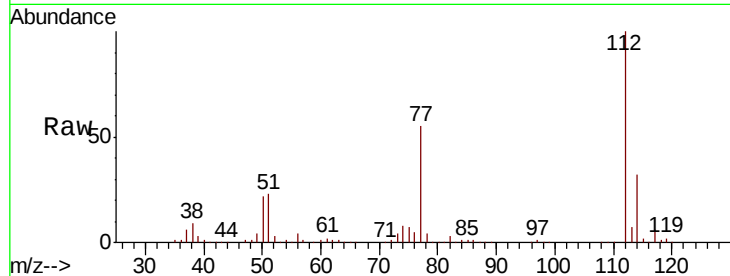
114 32.5 25.3 37.9

Manual Integrations

APPROVED

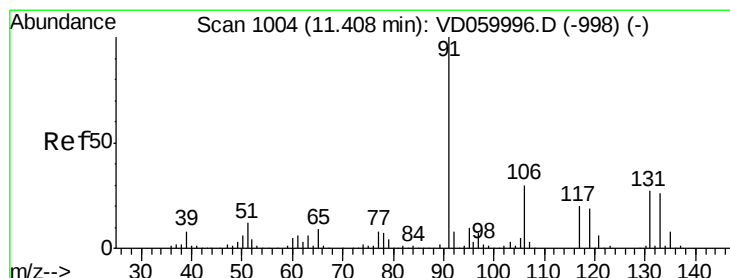
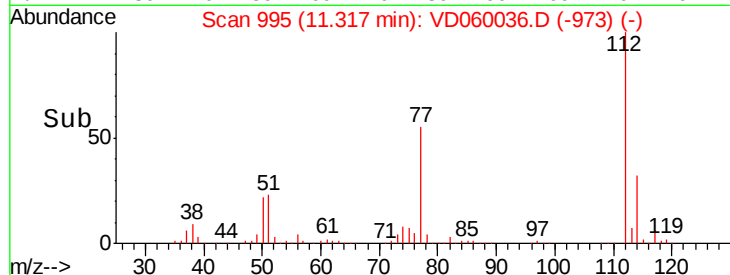
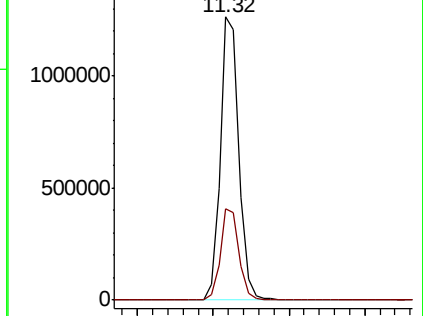
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 52.222 ug/l

RT: 11.43 min Scan# 1006

Delta R.T. 0.02 min

Lab File: VD060036.D

Acq: 19 Sep 2018 10:34

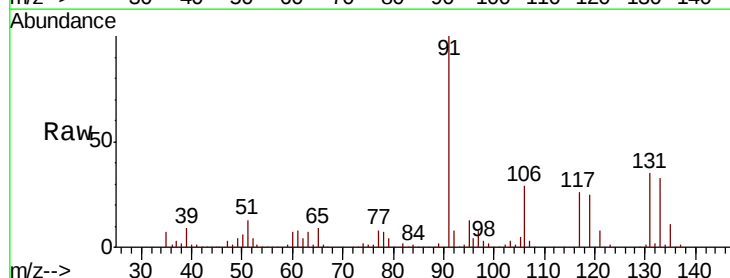
Tgt Ion:131 Resp: 728342

Ion Ratio Lower Upper

131 100

133 95.4 47.4 142.3

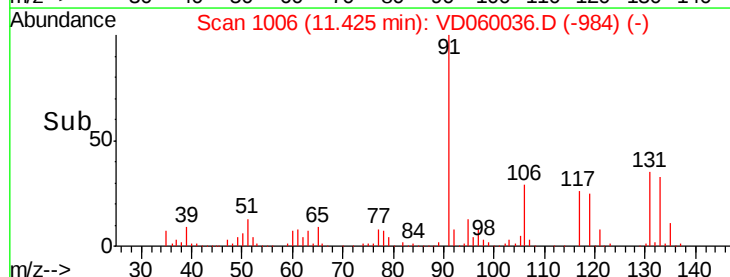
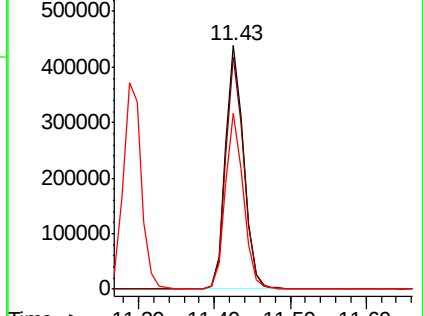
119 72.1 35.6 106.9



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V





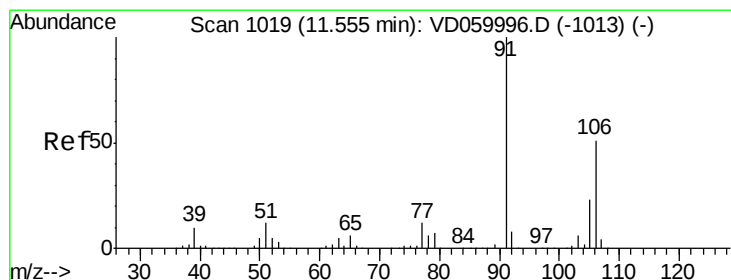
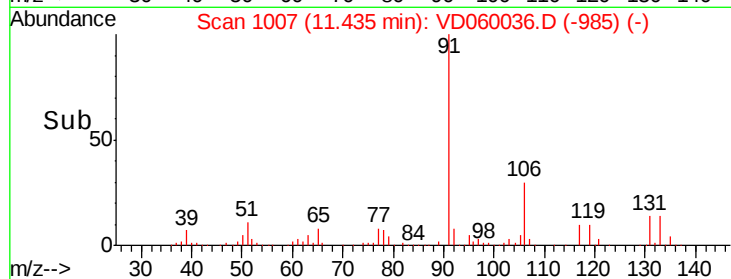
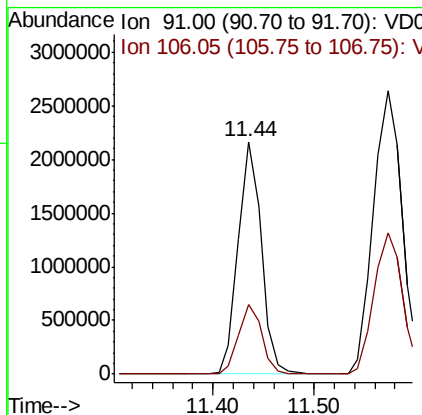
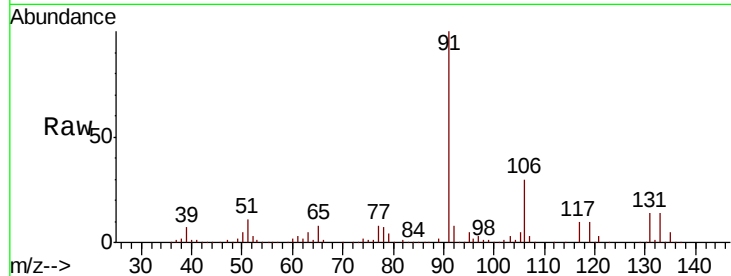
#67
Ethyl Benzene
Concen: 52.053 ug/l
RT: 11.44 min Scan# 1007
Delta R.T. 0.02 min
Lab File: VD060036.D
Acq: 19 Sep 2018 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 3463869
Ion Ratio Lower Upper
91 100
106 30.0 24.8 37.2

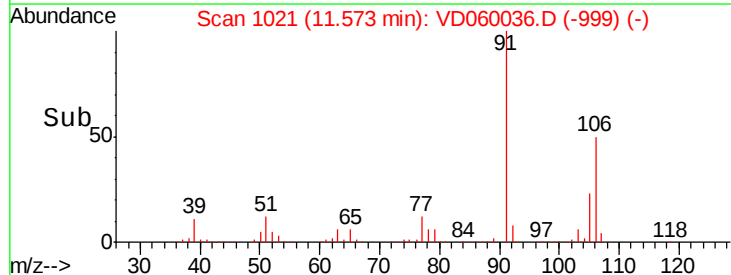
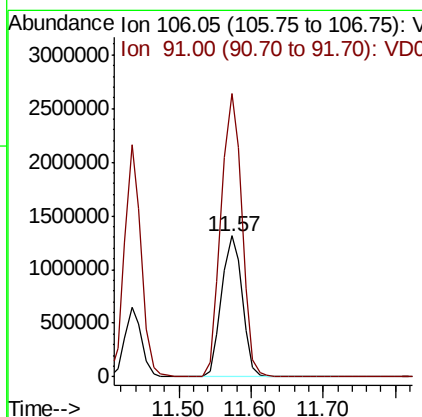
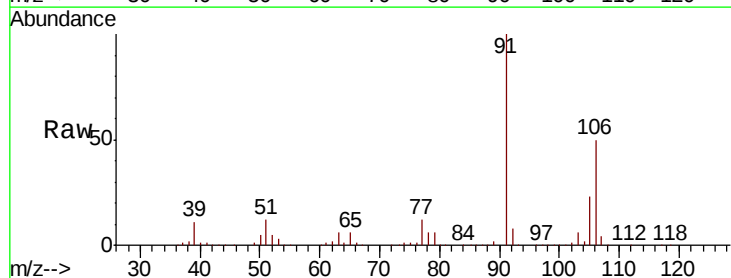
Manual Integrations
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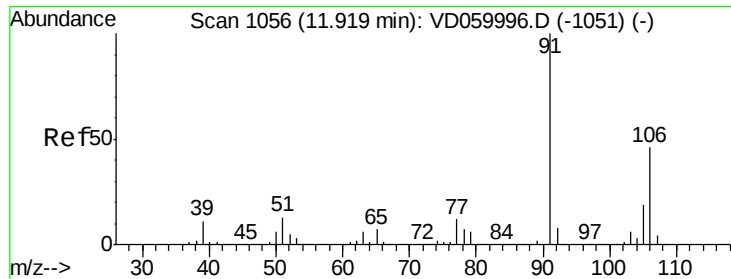
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#68
m/p-Xylenes
Concen: 106.108 ug/l
RT: 11.57 min Scan# 1021
Delta R.T. 0.02 min
Lab File: VD060036.D
Acq: 19 Sep 2018 10:34

Tgt Ion: 106 Resp: 2607780
Ion Ratio Lower Upper
106 100
91 200.4 157.0 235.6





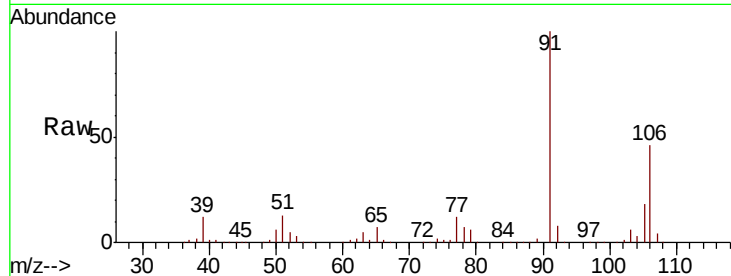
#69
o-Xylene
Concen: 54.101 ug/l
RT: 11.94 min Scan# 1058
Delta R.T. 0.02 min
Lab File: VD060036.D
Acq: 19 Sep 2018 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

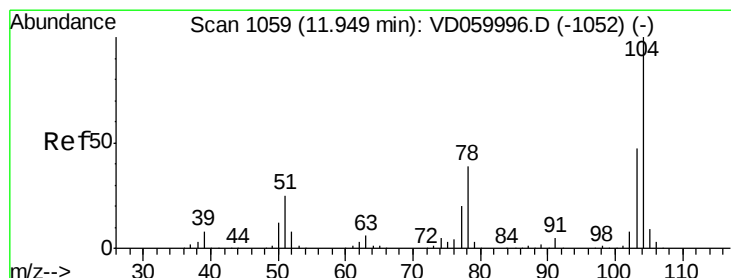
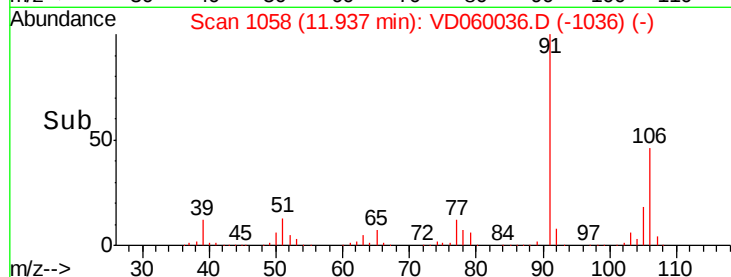
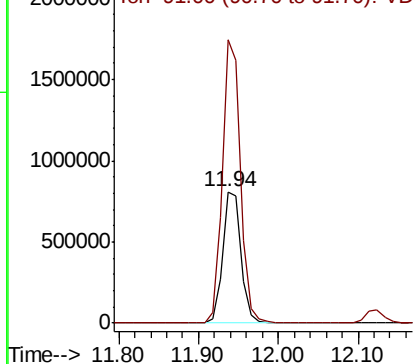
Tot Ion:106 Resp: 1317454
Ion Ratio Lower Upper
106 100
91 215.5 107.7 323.1

Manual Integrations
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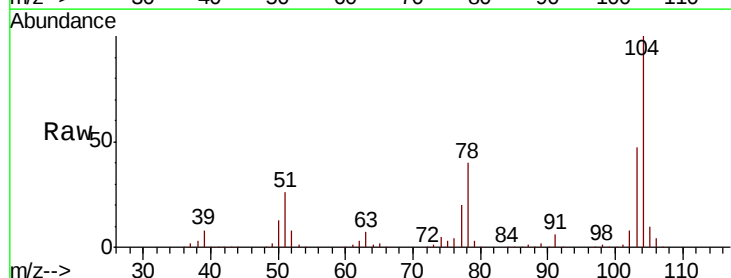


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

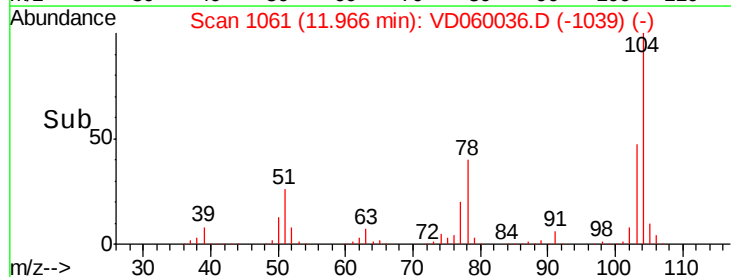
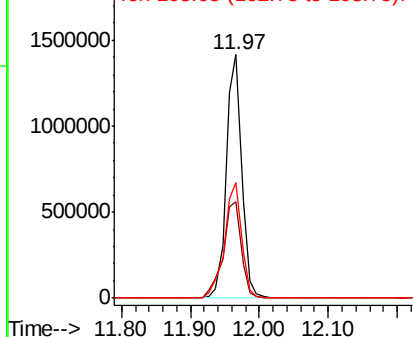


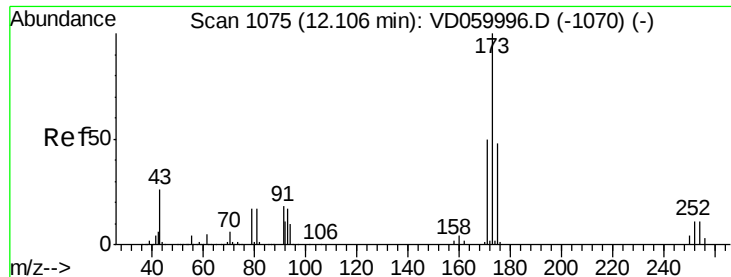
#70
Styrene
Concen: 53.306 ug/l
RT: 11.97 min Scan# 1061
Delta R.T. 0.02 min
Lab File: VD060036.D
Acq: 19 Sep 2018 10:34

Tgt Ion:104 Resp: 2182648
Ion Ratio Lower Upper
104 100
78 39.8 31.0 46.4
103 47.4 37.6 56.4



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





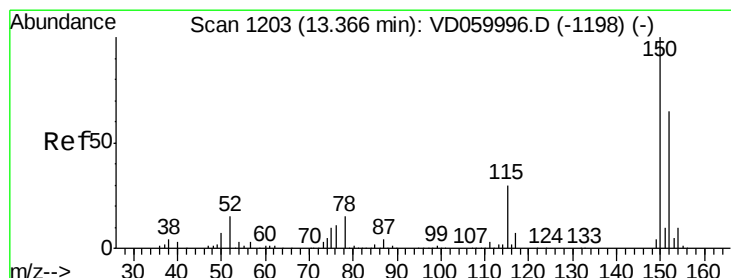
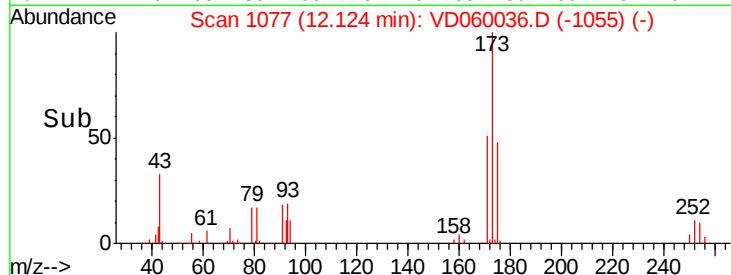
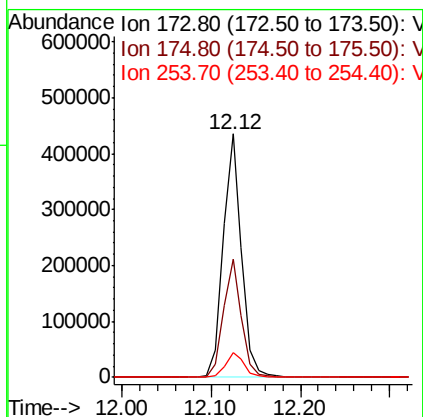
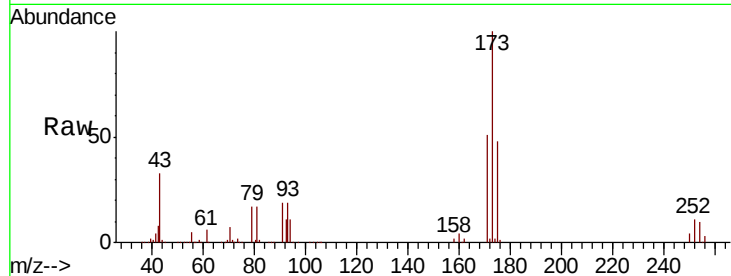
#71
Bromoform
Concen: 52.582 ug/l
RT: 12.12 min Scan# 1077
Delta R.T. 0.02 min
Lab File: VD060036.D
Acq: 19 Sep 2018 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.0	72.0
254	10.3	8.6	13.0

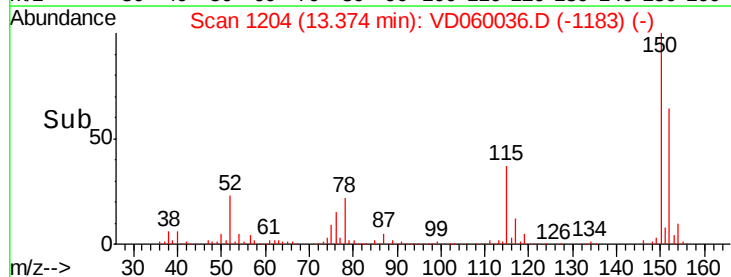
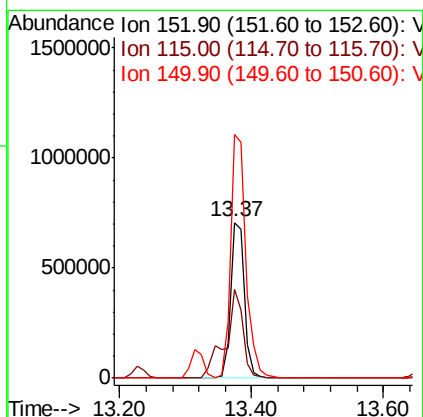
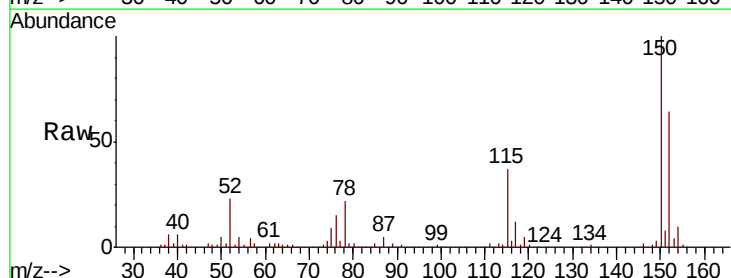
Manual Integrations
APPROVED

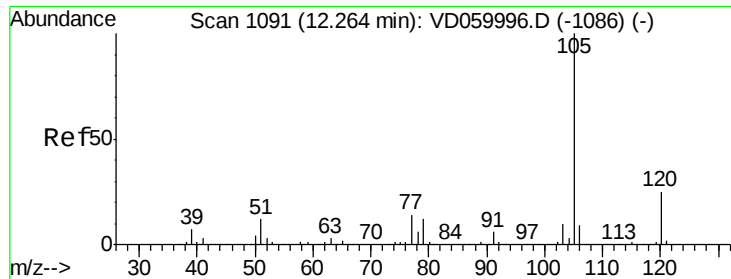
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. 0.01 min
Lab File: VD060036.D
Acq: 19 Sep 2018 10:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.2	24.6	73.8
150	156.4	0.0	313.4





#73

Isopropylbenzene

Concen: 51.050 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. 0.02 min

Lab File: VD060036.D

Acq: 19 Sep 2018 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 3481963

Ion Ratio Lower Upper

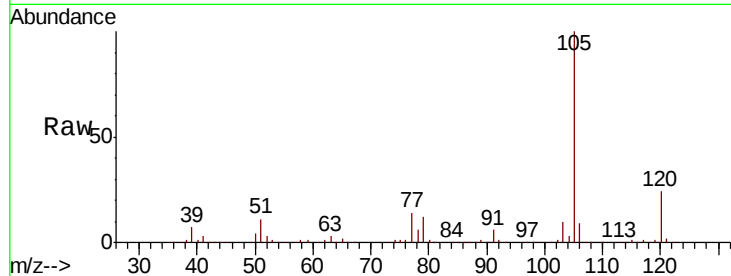
105 100

120 24.3 12.3 36.9

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

Ion 120.05 (119.75 to 120.75): V

2500000

2000000

1500000

1000000

500000

0

12.28

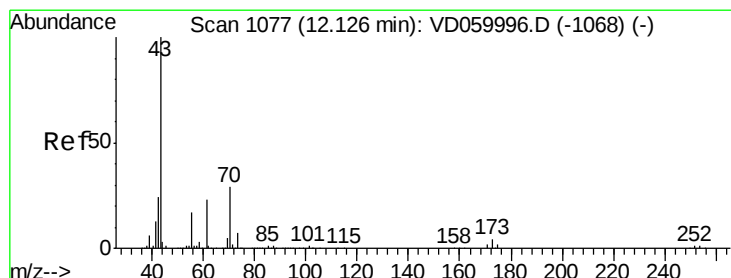
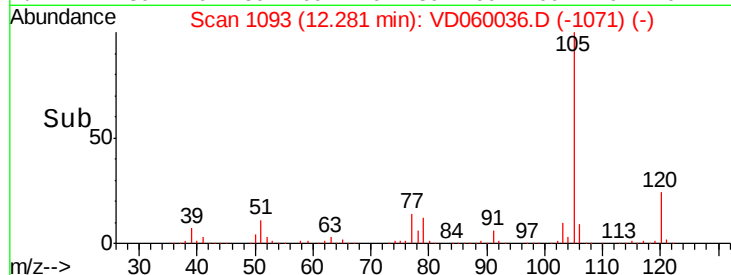
12.20

12.10

12.30

12.40

Time-->



#74

N-ethyl acetate

Concen: 48.949 ug/l

RT: 12.14 min Scan# 1079

Delta R.T. 0.02 min

Lab File: VD060036.D

Acq: 19 Sep 2018 10:34

Tgt Ion: 43 Resp: 1322456

Ion Ratio Lower Upper

43 100

70 29.5 22.9 34.3

55 17.7 14.0 21.0

61 23.4 18.7 28.1

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

1000000

500000

0

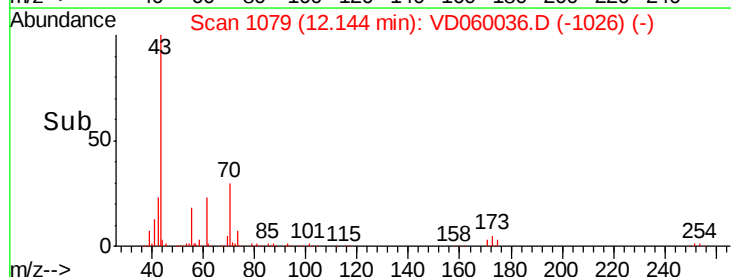
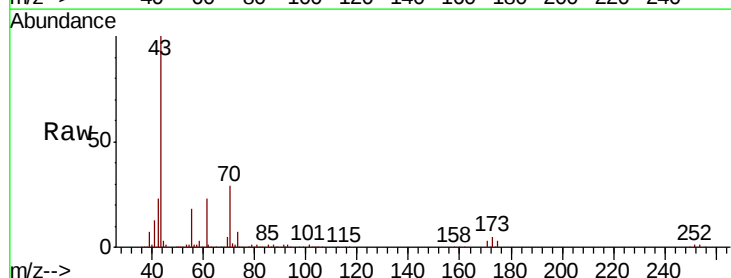
12.14

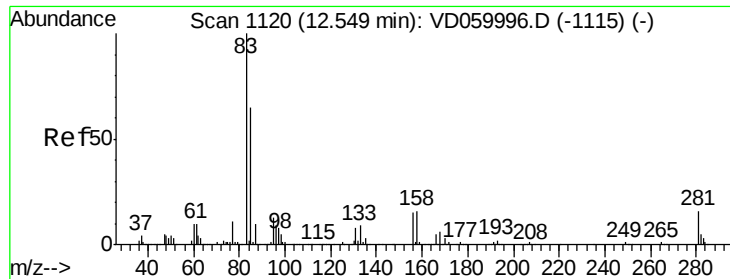
12.10

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 48.670 ug/l

RT: 12.57 min Scan# 1122

Delta R.T. 0.02 min

Lab File: VD060036.D

Acq: 19 Sep 2018 10:34

Instrument :

MSVOA_D

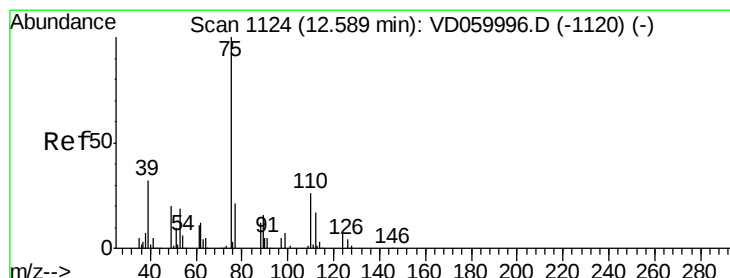
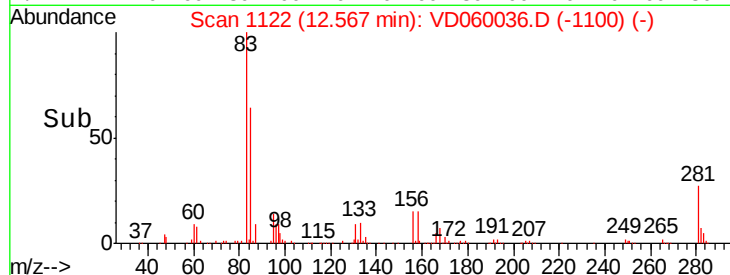
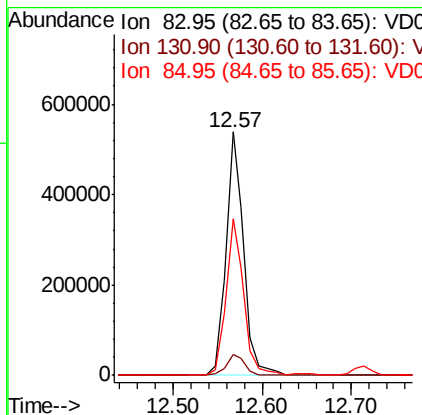
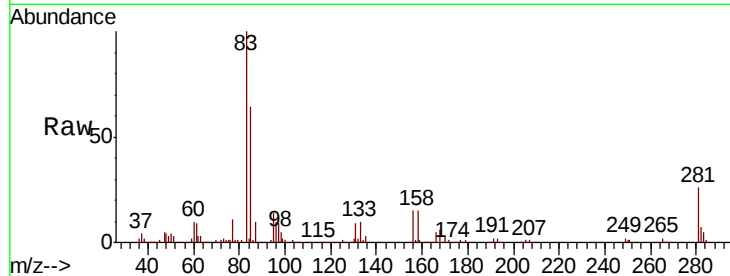
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	753071
Ion Ratio	Lower	Upper	
83	100		
131	8.6	4.1	12.3
85	64.2	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.470 ug/l

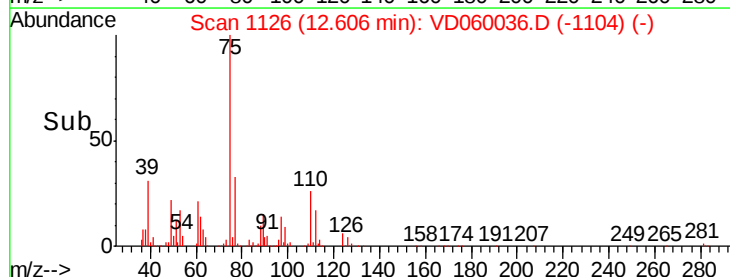
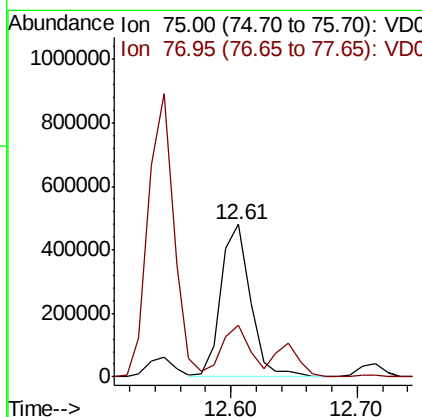
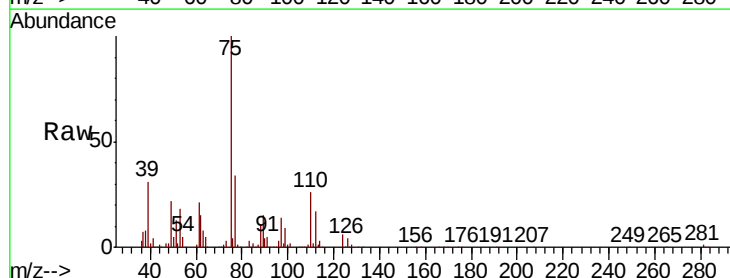
RT: 12.61 min Scan# 1126

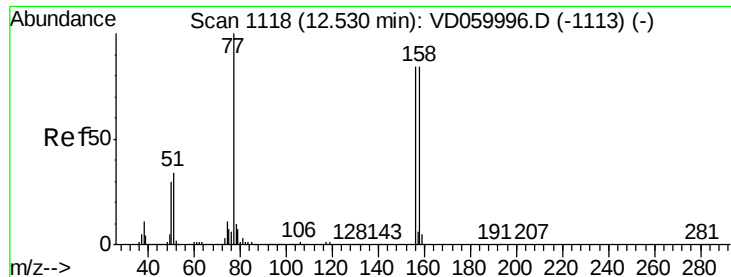
Delta R.T. 0.02 min

Lab File: VD060036.D

Acq: 19 Sep 2018 10:34

Tgt Ion:	75	Resp:	769861
Ion Ratio	Lower	Upper	
75	100		
77	33.6	16.4	49.4





#77

Bromobenzene

Concen: 52.042 ug/l

RT: 12.55 min Scan# 1120

Delta R.T. 0.02 min

Lab File: VD060036.D

Acq: 19 Sep 2018 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 1022489

Ion Ratio Lower Upper

156 100

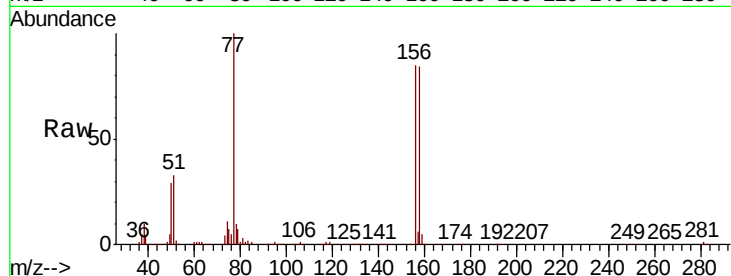
77 117.0 59.5 178.4

158 98.8 50.0 149.8

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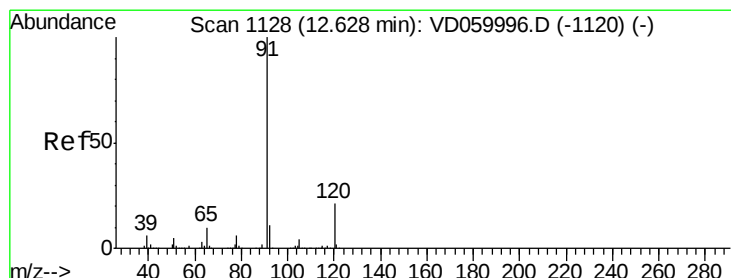
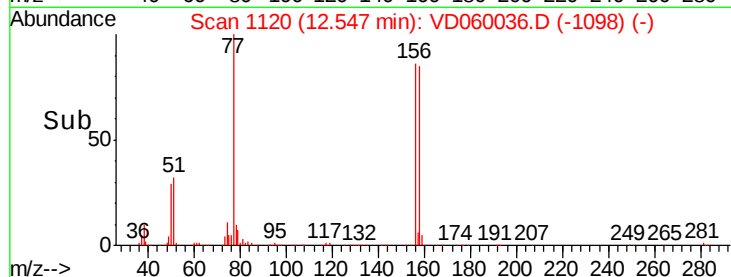
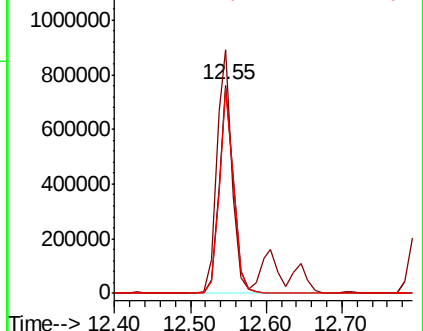
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 49.974 ug/l

RT: 12.65 min Scan# 1130

Delta R.T. 0.02 min

Lab File: VD060036.D

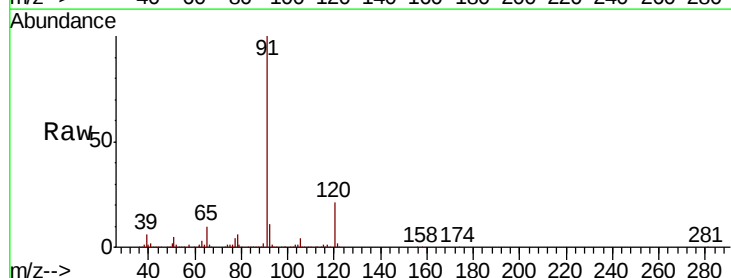
Acq: 19 Sep 2018 10:34

Tgt Ion: 91 Resp: 4286289

Ion Ratio Lower Upper

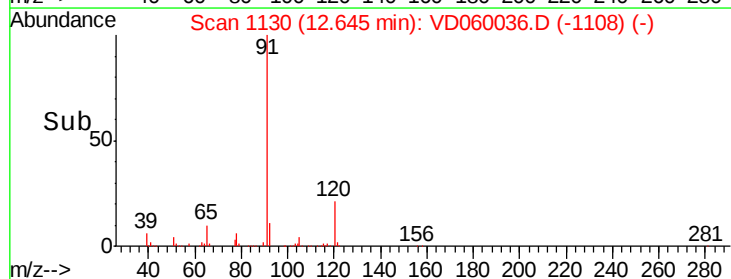
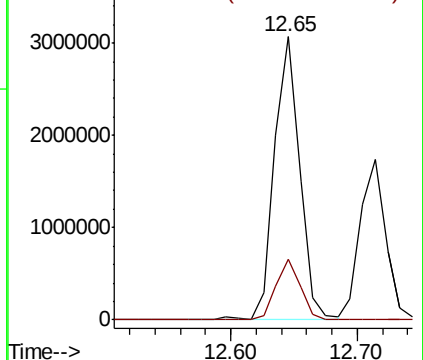
91 100

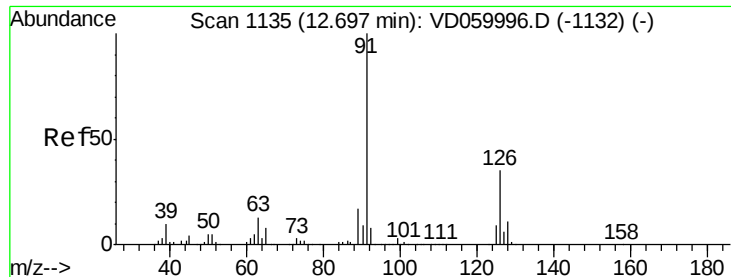
120 21.2 10.7 31.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





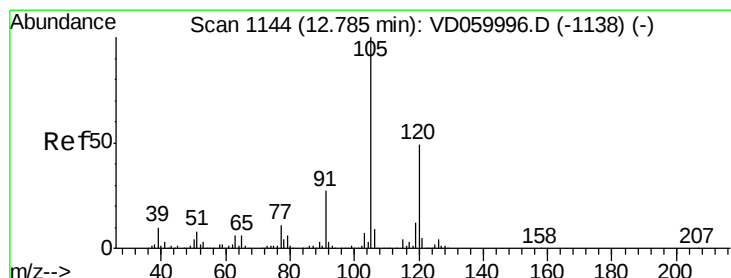
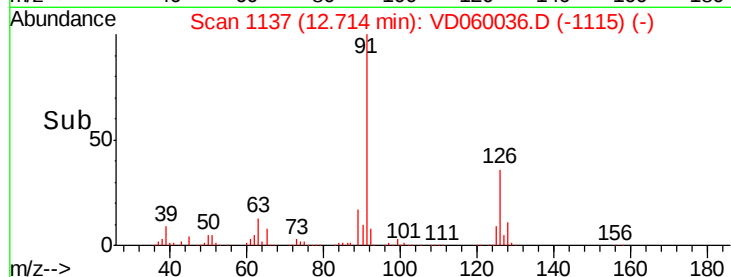
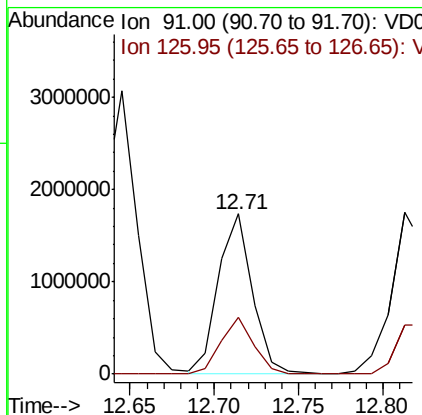
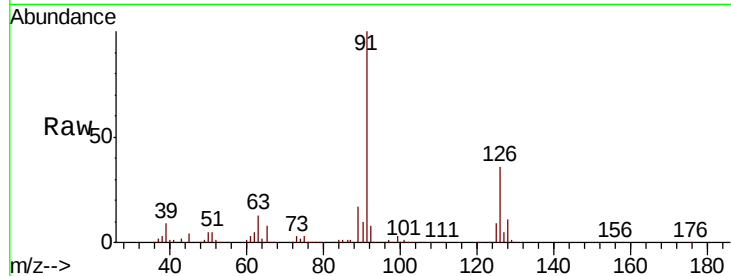
#79
 2-Chlorotoluene
 Concen: 49.853 ug/l
 RT: 12.71 min Scan# 1137
 Delta R.T. 0.02 min
 Lab File: VD060036.D
 Acq: 19 Sep 2018 10:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 2413415
 Ion Ratio Lower Upper
 91 100
 126 35.9 17.3 52.0

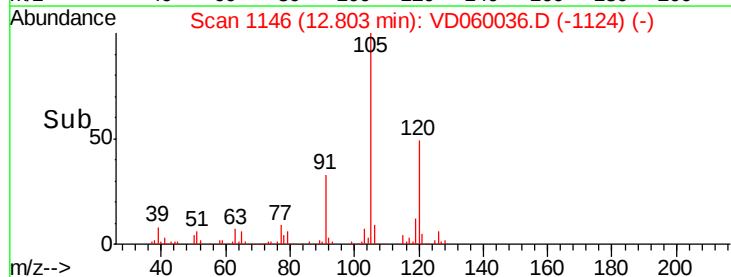
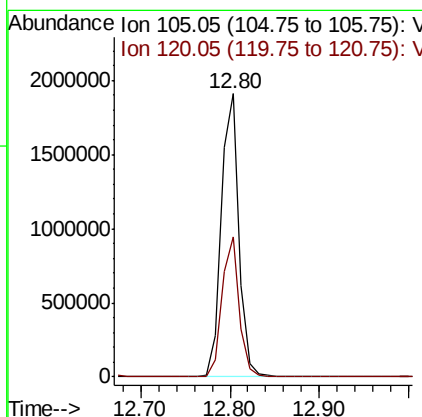
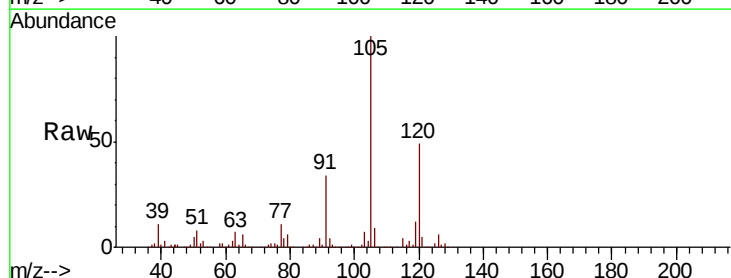
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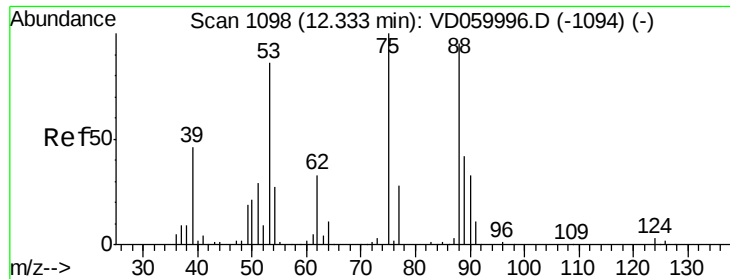
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 50.704 ug/l
 RT: 12.80 min Scan# 1146
 Delta R.T. 0.02 min
 Lab File: VD060036.D
 Acq: 19 Sep 2018 10:34

Tgt Ion: 105 Resp: 2650728
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.4 73.2





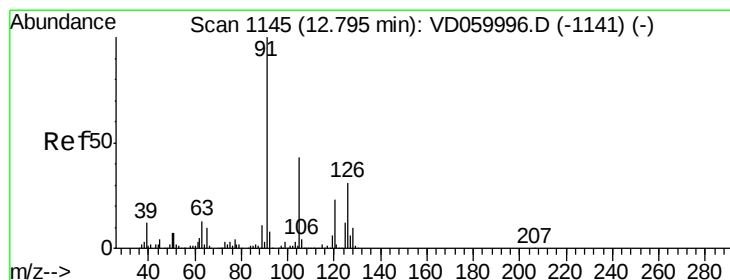
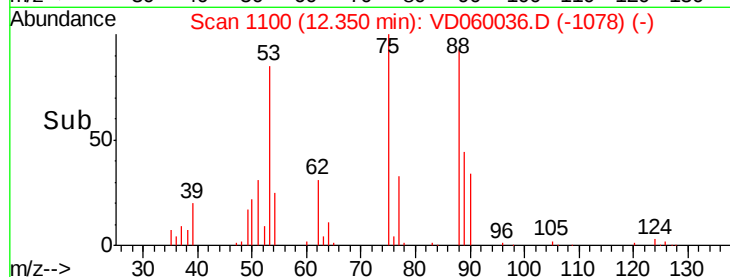
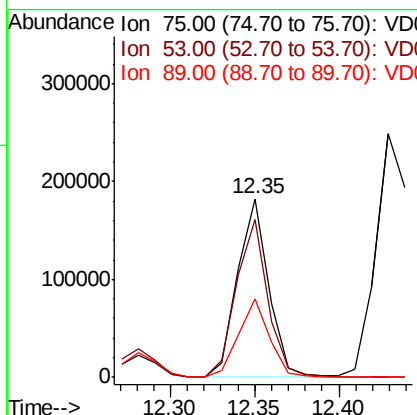
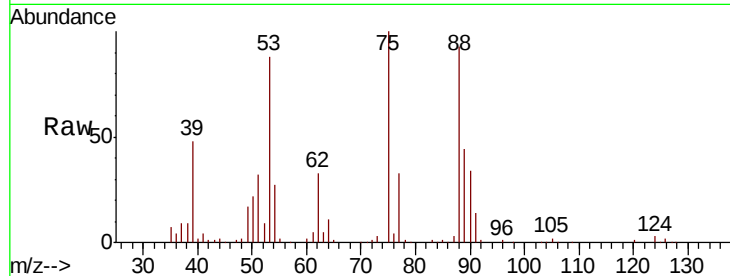
#81
trans-1,4-Dichloro-2-butene
Concen: 48.559 ug/l
RT: 12.35 min Scan# 1100
Delta R.T. 0.02 min
Lab File: VD060036.D
Acq: 19 Sep 2018 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.0	68.4	102.6
89	44.2	33.8	50.6

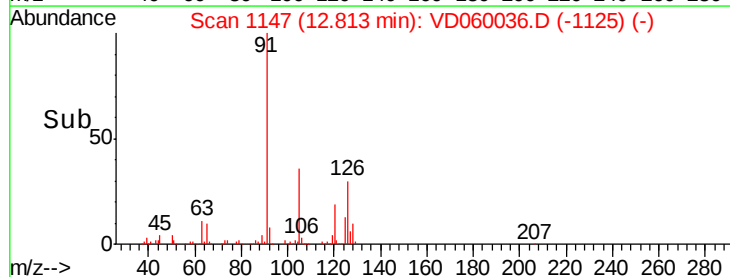
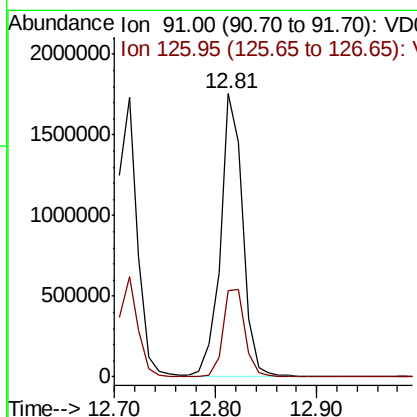
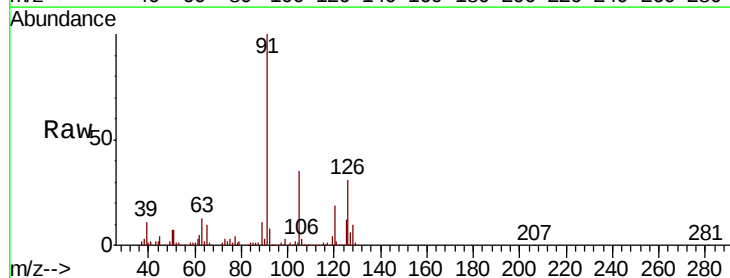
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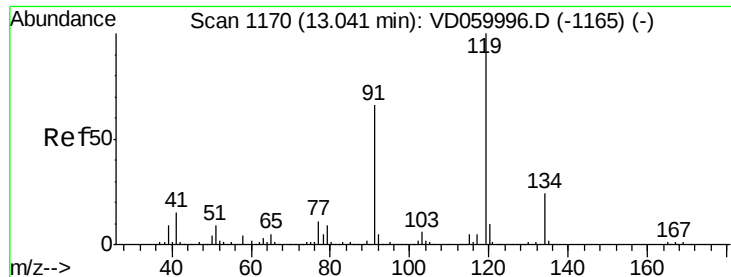
MMDadoda
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#82
4-Chlorotoluene
Concen: 50.366 ug/l
RT: 12.81 min Scan# 1147
Delta R.T. 0.02 min
Lab File: VD060036.D
Acq: 19 Sep 2018 10:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.6	15.4	46.1





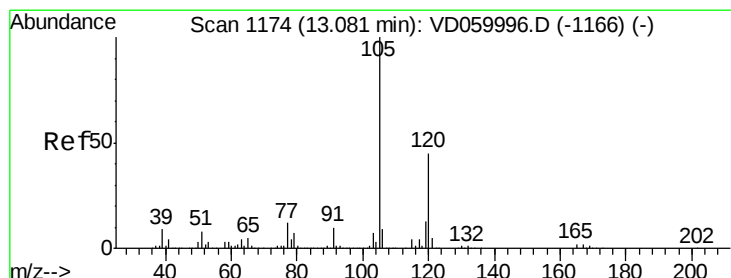
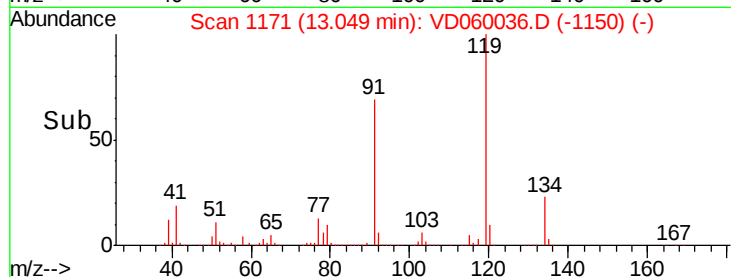
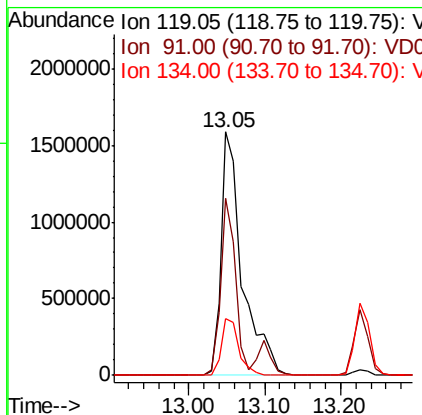
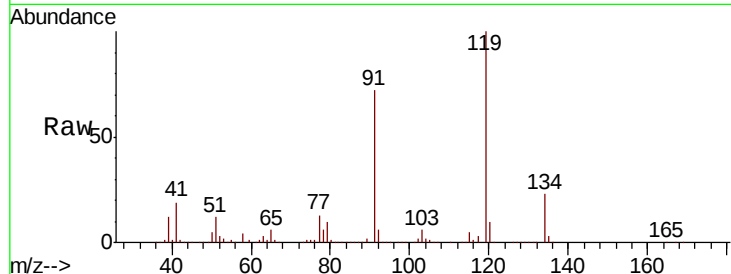
#83
 tert-Butylbenzene
 Concen: 51.603 ug/l
 RT: 13.05 min Scan# 1171
 Delta R.T. 0.01 min
 Lab File: VD060036.D
 Acq: 19 Sep 2018 10:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 3125298
 Ion Ratio Lower Upper
 119 100
 91 72.5 32.9 98.6
 134 23.4 12.0 36.0

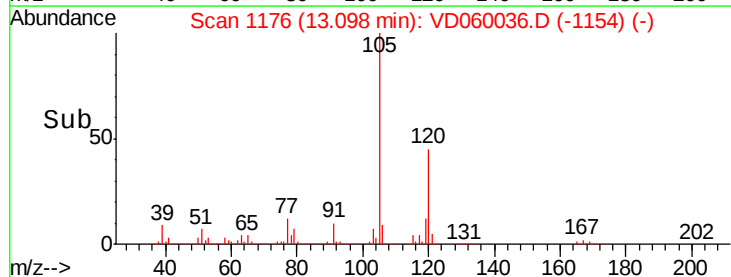
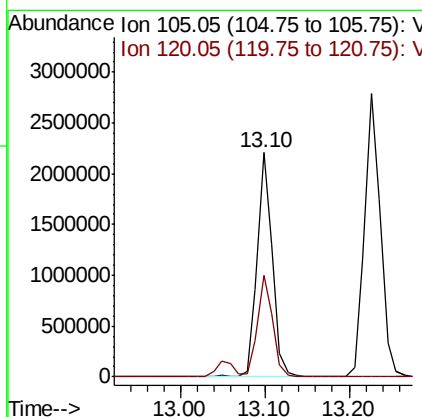
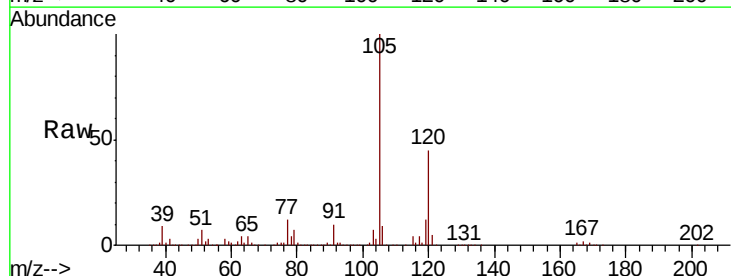
Manual Integrations
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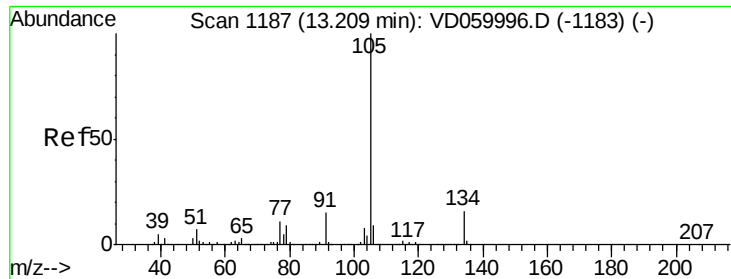
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.539 ug/l
 RT: 13.10 min Scan# 1176
 Delta R.T. 0.02 min
 Lab File: VD060036.D
 Acq: 19 Sep 2018 10:34

Tgt Ion:105 Resp: 2819468
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.4 67.0





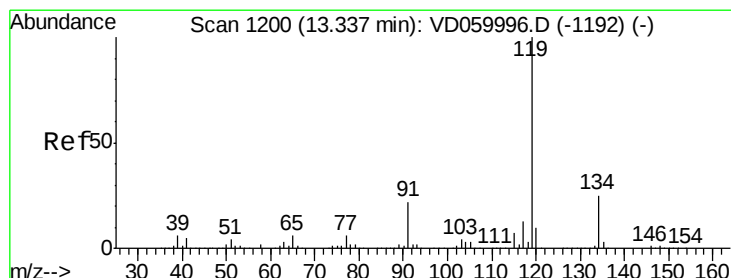
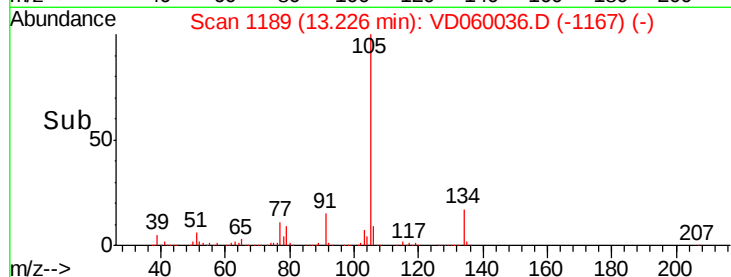
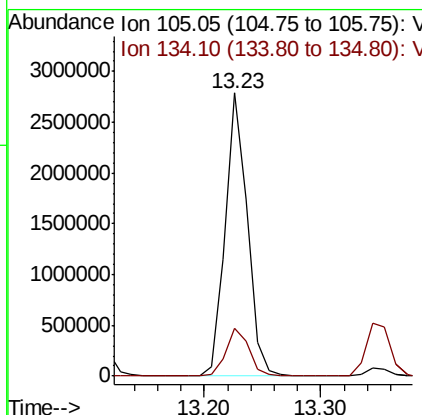
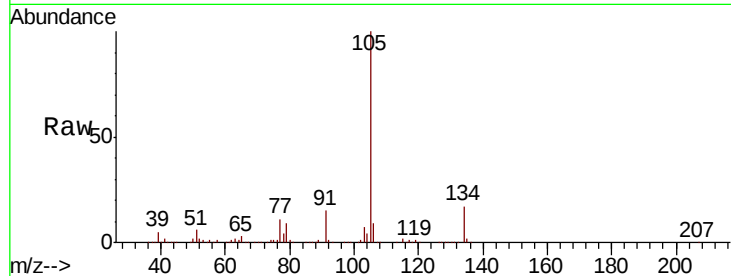
#85
 sec-Butylbenzene
 Concen: 50.756 ug/l
 RT: 13.23 min Scan# 1189
 Delta R.T. 0.02 min
 Lab File: VD060036.D
 Acq: 19 Sep 2018 10:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 3648997
 Ion Ratio Lower Upper
 105 100
 134 16.8 8.2 24.6

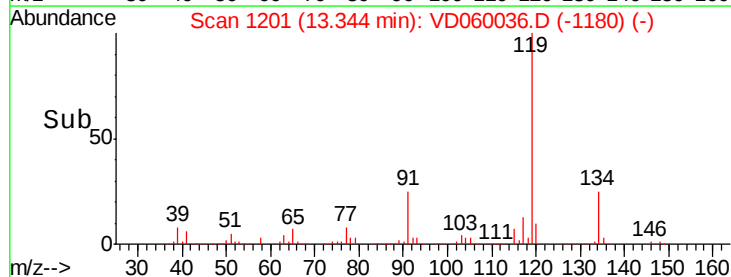
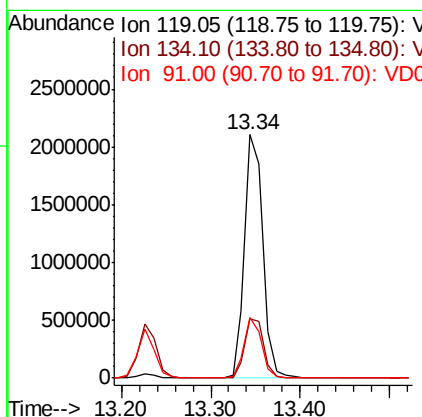
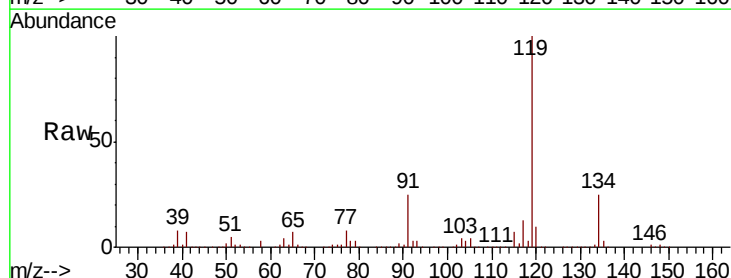
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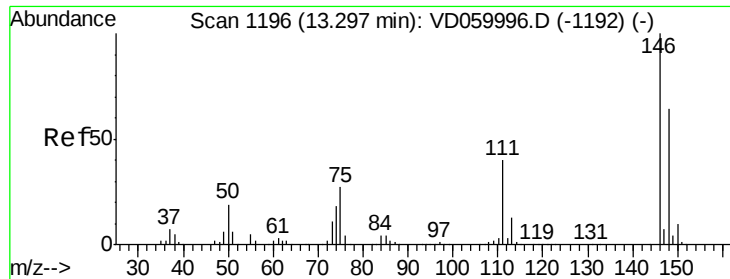
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#86
 p-Isopropyltoluene
 Concen: 51.548 ug/l
 RT: 13.34 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VD060036.D
 Acq: 19 Sep 2018 10:34

Tgt Ion:119 Resp: 2997358
 Ion Ratio Lower Upper
 119 100
 134 24.6 12.8 38.3
 91 25.0 11.1 33.3





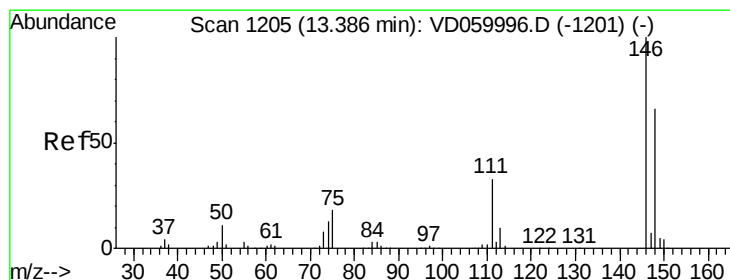
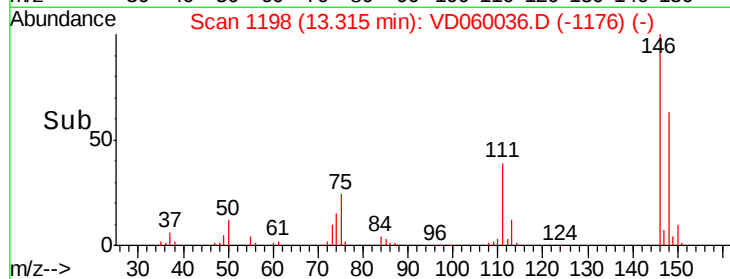
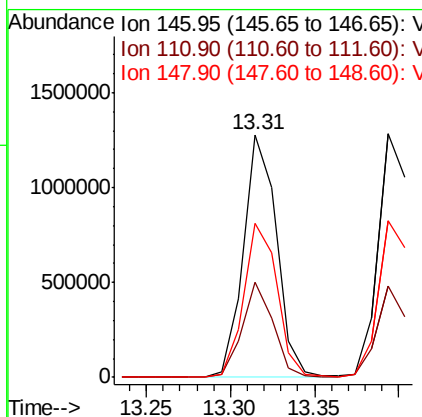
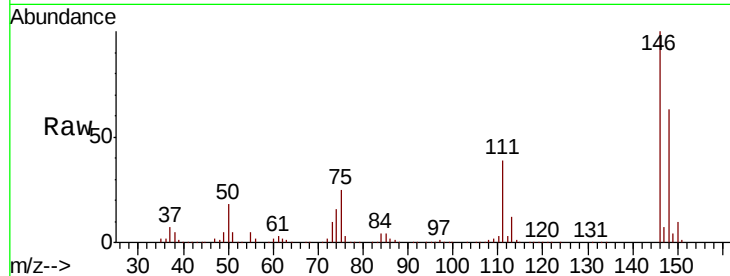
#87
 1,3-Dichlorobenzene
 Concen: 51.194 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. 0.02 min
 Lab File: VD060036.D
 Acq: 19 Sep 2018 10:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.2	60.5
148	63.4	32.0	96.2

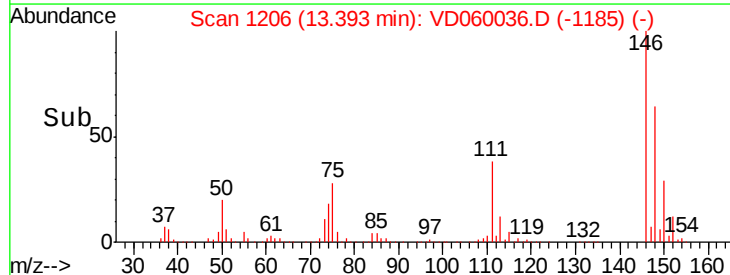
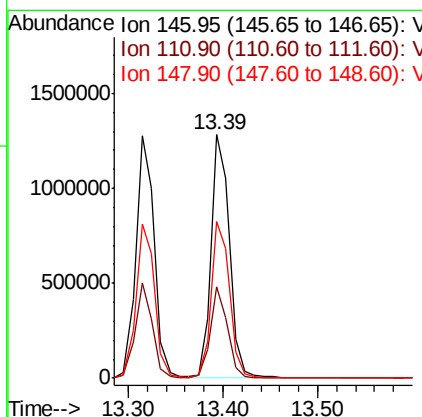
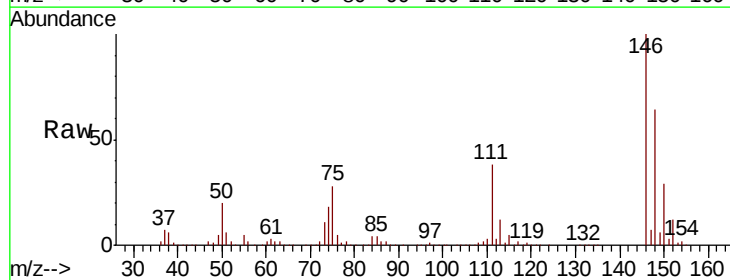
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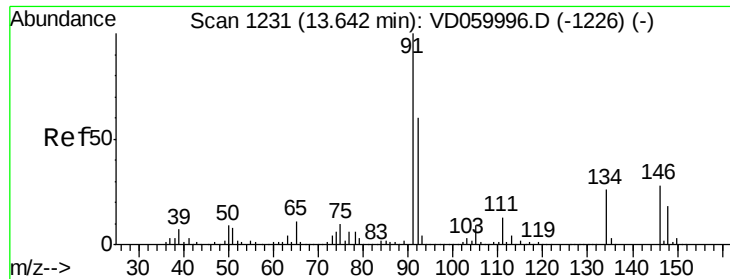
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#88
 1,4-Dichlorobenzene
 Concen: 50.100 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: VD060036.D
 Acq: 19 Sep 2018 10:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	16.7	50.0
148	64.1	32.9	98.6





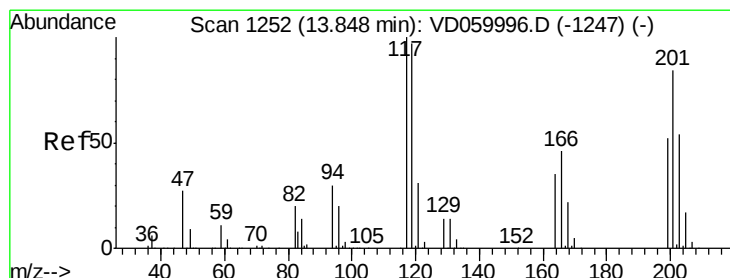
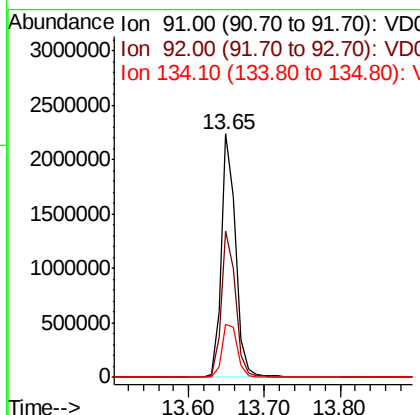
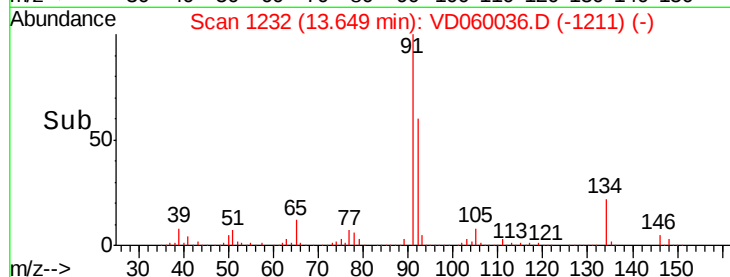
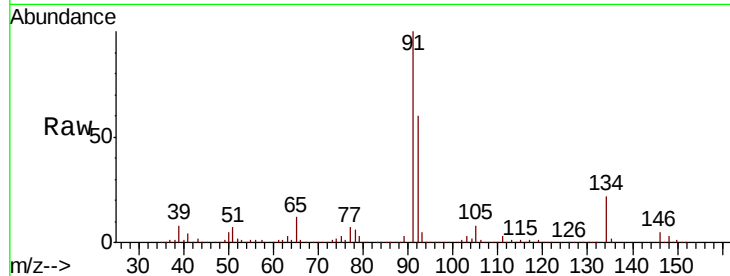
#89
n-Butylbenzene
Concen: 55.988 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD060036.D
Acq: 19 Sep 2018 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2984011
Ion Ratio Lower Upper
91 100
92 60.3 29.8 89.3
134 22.0 13.2 39.6

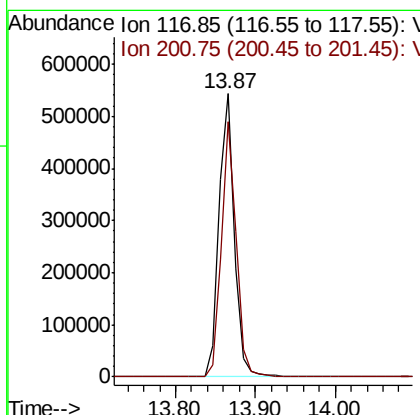
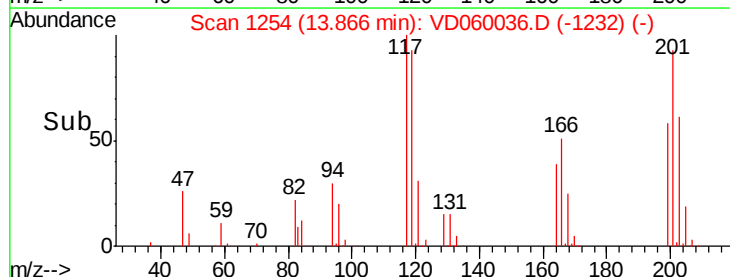
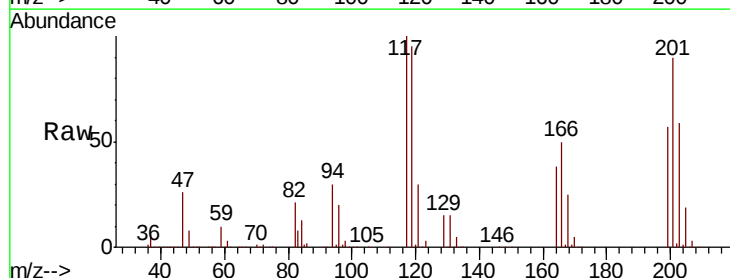
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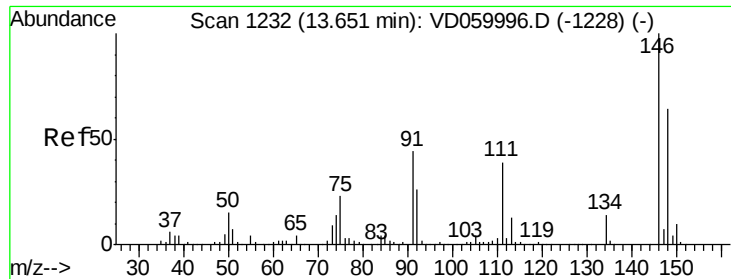
MMDadoda
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#90
Hexachloroethane
Concen: 51.574 ug/l
RT: 13.87 min Scan# 1254
Delta R.T. 0.02 min
Lab File: VD060036.D
Acq: 19 Sep 2018 10:34

Tgt Ion: 117 Resp: 742764
Ion Ratio Lower Upper
117 100
201 90.2 42.1 126.4





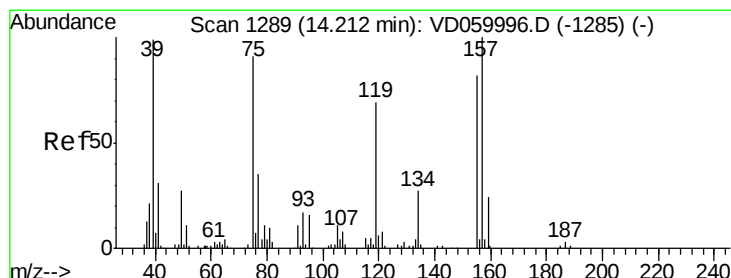
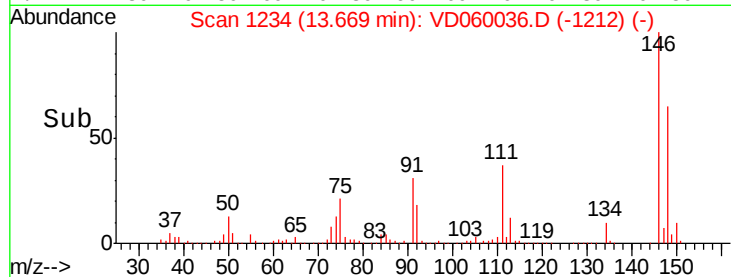
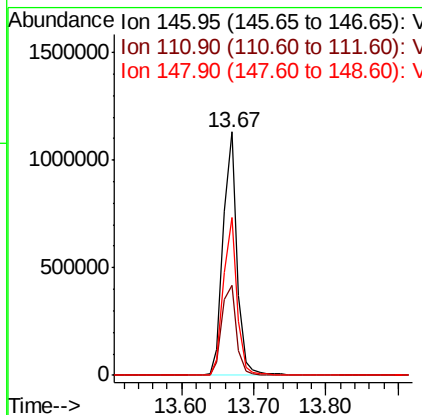
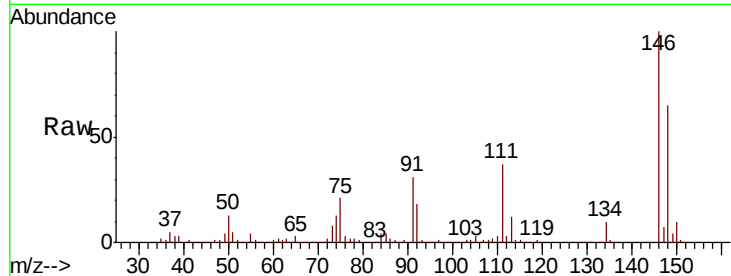
#91
 1,2-Dichlorobenzene
 Concen: 54.738 ug/l
 RT: 13.67 min Scan# 1234
 Delta R.T. 0.02 min
 Lab File: VD060036.D
 Acq: 19 Sep 2018 10:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	19.6	58.7
148	64.6	31.9	95.7

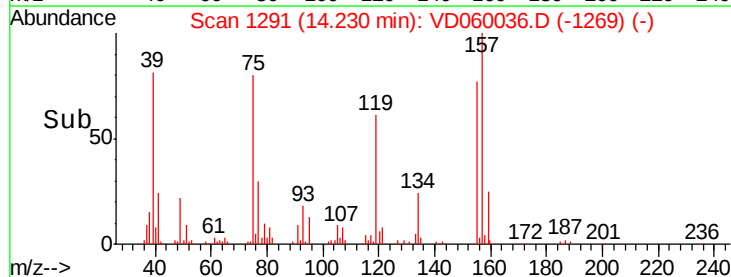
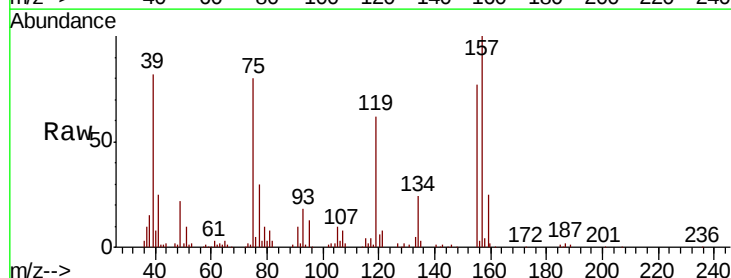
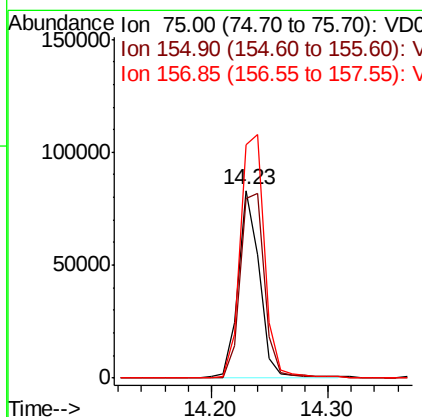
Manual Integrations
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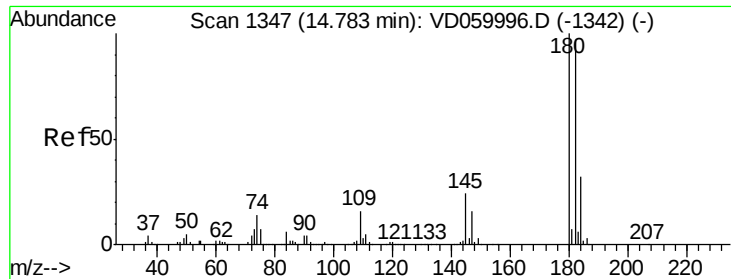
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.228 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.02 min
 Lab File: VD060036.D
 Acq: 19 Sep 2018 10:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.3	44.7	134.1
157	124.4	54.7	164.1





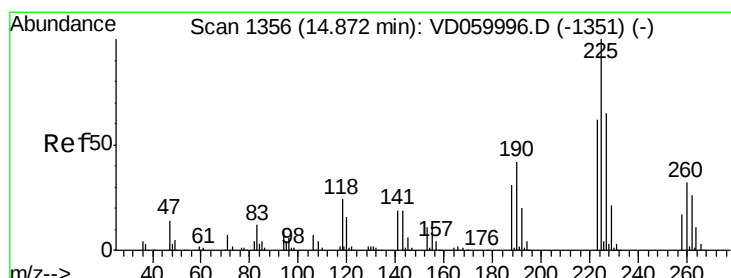
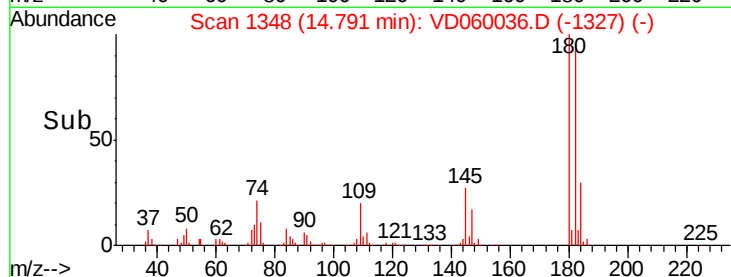
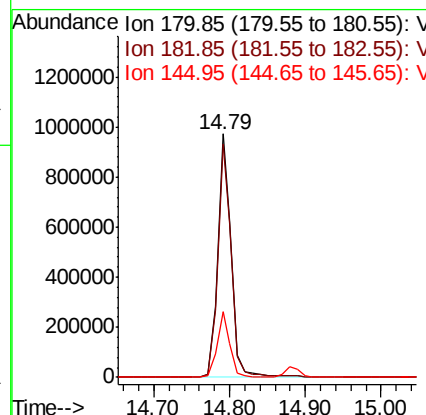
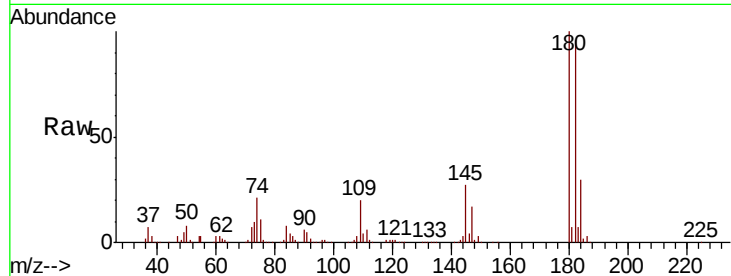
#93
 1,2,4-Trichlorobenzene
 Concen: 50.459 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. 0.01 min
 Lab File: VD060036.D
 Acq: 19 Sep 2018 10:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	48.5	145.6
145	27.1	11.9	35.7

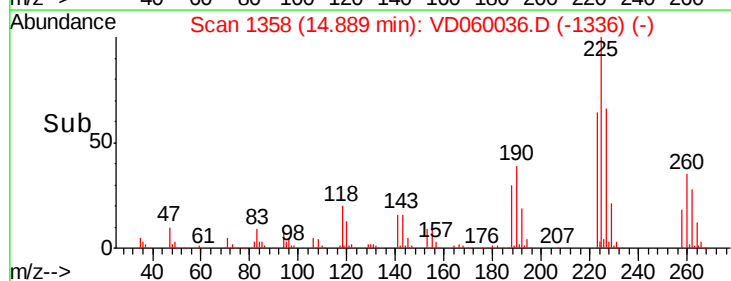
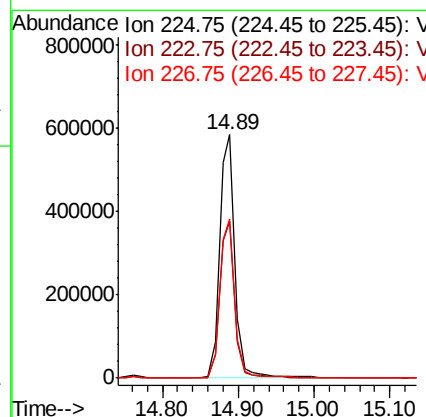
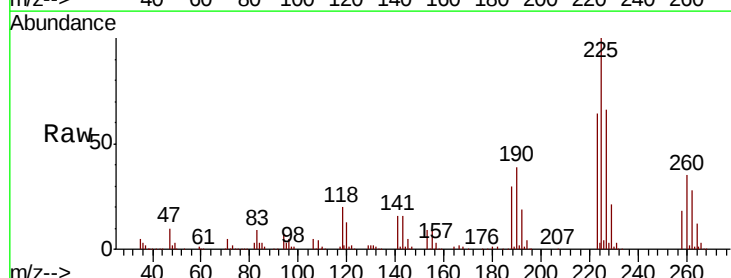
Manual Integrations
 APPROVED

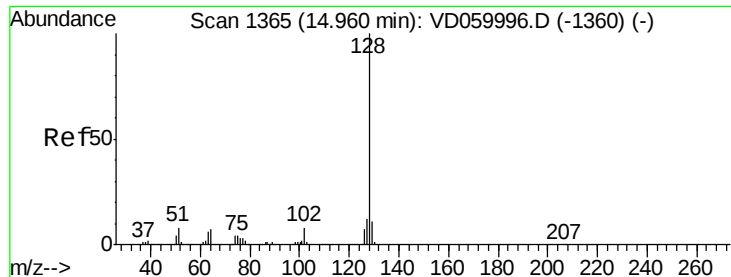
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#94
 Hexachlorobutadiene
 Concen: 52.090 ug/l
 RT: 14.89 min Scan# 1358
 Delta R.T. 0.02 min
 Lab File: VD060036.D
 Acq: 19 Sep 2018 10:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.2	93.6
227	65.6	32.3	96.8





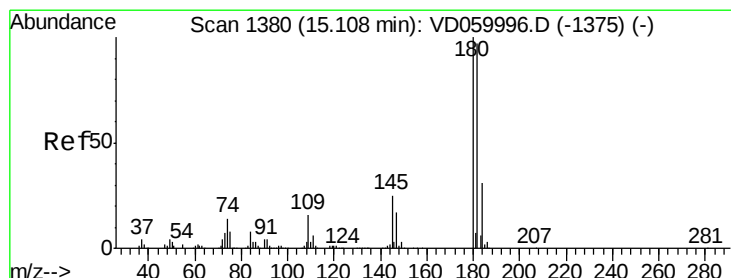
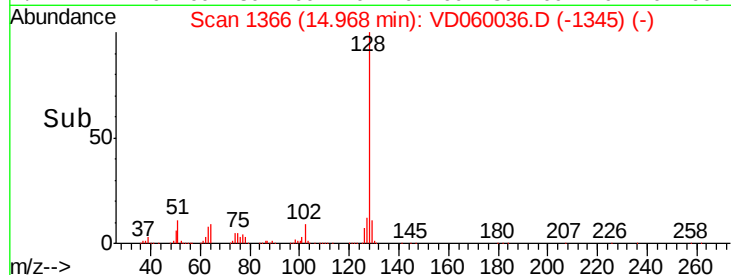
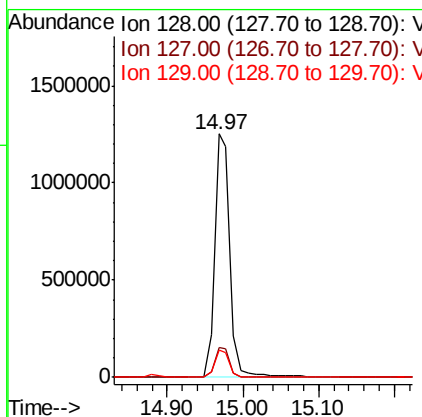
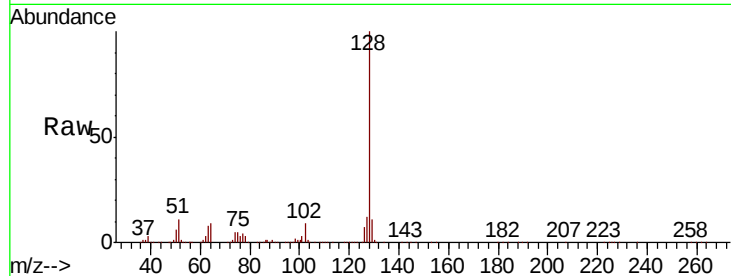
#95
Naphthalene
Concen: 47.508 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VD060036.D
Acq: 19 Sep 2018 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1786368
Ion Ratio Lower Upper
128 100
127 12.5 9.7 14.5
129 11.1 8.9 13.3

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 47.857 ug/l
RT: 15.12 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD060036.D
Acq: 19 Sep 2018 10:34

Tgt Ion:180 Resp: 1026834
Ion Ratio Lower Upper
180 100
182 94.8 48.6 145.9
145 29.2 12.7 38.1

