

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041519\
 Data File : VD061800.D
 Acq On : 15 Apr 2019 14:37
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

MMDadoda
 4/16/2019 3:12:57 PM

Quant Time: Apr 16 08:48:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:14:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.09	168	599782	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.26	114	947840	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.40	117	766911	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	339043	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.50	65	409080	80.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	161.86%	
35) Dibromofluoromethane	6.97	113	601814	84.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	168.08%	
50) Toluene-d8	10.45	98	1371661	80.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	161.68%	
62) 4-Bromofluorobenzene	13.58	95	568673	82.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	165.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	484096	82.256	ug/l	98
3) Chloromethane	1.77	50	358989	76.546	ug/l	97
4) Vinyl Chloride	1.86	62	361110	77.573	ug/l	97
5) Bromomethane	2.17	94	73880	61.937	ug/l	98
6) Chloroethane	2.29	64	123290	77.630	ug/l	99
7) Trichlorofluoromethane	2.55	101	571650	75.873	ug/l	99
8) Diethyl Ether	2.91	74	152318	76.982	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.18	101	502257	74.663	ug/l	99
10) Methyl Iodide	3.34	142	823477	90.779	ug/l	98
11) Tert butyl alcohol	4.10	59	112559	377.769	ug/l	100
12) 1,1-Dichloroethene	3.16	96	426576	75.387	ug/l	99
13) Acrolein	3.07	56	88424	306.324	ug/l	92
14) Allyl chloride	3.66	41	608853	78.925	ug/l	99
15) Acrylonitrile	4.24	53	342500	366.143	ug/l	96
16) Acetone	3.25	43	487886	391.735	ug/l	100
17) Carbon Disulfide	3.41	76	1368990	74.858	ug/l	99
18) Methyl Acetate	3.68	43	177763	71.173	ug/l	97
19) Methyl tert-butyl Ether	4.28	73	820570	77.894	ug/l	98
20) Methylene Chloride	3.85	84	451686	60.101	ug/l	96
21) trans-1,2-Dichloroethene	4.27	96	487751	78.486	ug/l	99
22) Diisopropyl ether	5.17	45	1224976	74.413	ug/l	98
23) Vinyl Acetate	5.11	43	3485481	396.692	ug/l	100
24) 1,1-Dichloroethane	5.03	63	766672	76.733	ug/l	100
25) 2-Butanone	6.12	43	557804	393.340	ug/l	98
26) 2,2-Dichloropropane	6.07	77	646844	74.823	ug/l	99
27) cis-1,2-Dichloroethene	6.09	96	504940	74.864	ug/l	99
28) Bromochloromethane	6.48	49	274830	72.343	ug/l	84
29) Tetrahydrofuran	6.50	42	246317	356.556	ug/l	98
30) Chloroform	6.71	83	811953	72.801	ug/l	98
31) Cyclohexane	7.00	56	584271	76.329	ug/l	99
32) 1,1,1-Trichloroethane	6.92	97	764570	77.336	ug/l	96
36) 1,1-Dichloropropene	7.20	75	590199	76.185	ug/l	100
37) Ethyl Acetate	6.23	43	267166	80.594	ug/l	95
38) Carbon Tetrachloride	7.16	117	733734m	72.765	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.91	83	638348	79.366	ug/l	97
40) Benzene	7.51	78	1482203	79.699	ug/l	96
41) Methacrylonitrile	6.49	41	294253	75.100	ug/l	99
42) 1,2-Dichloroethane	7.62	62	496846	76.719	ug/l	99
43) Isopropyl Acetate	9.28	43	372713	79.897	ug/l #	100
44) Trichloroethene	8.58	130	574372	80.238	ug/l	99
45) 1,2-Dichloropropane	8.98	63	388384	80.186	ug/l	95
46) Dibromomethane	9.10	93	275089	79.708	ug/l	97
47) Bromodichloromethane	9.42	83	645140	81.027	ug/l	100
48) Methyl methacrylate	9.16	41	214149	78.096	ug/l	95
49) 1,4-Dioxane	9.12	88	48440	1616.197	ug/l	98
51) 4-Methyl-2-Pentanone	10.34	43	1075328	376.941	ug/l	100
52) Toluene	10.55	92	968387	81.266	ug/l	95
53) t-1,3-Dichloropropene	10.95	75	579118	80.721	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	635027	75.406	ug/l	98
55) 1,1,2-Trichloroethane	11.23	97	298704	74.391	ug/l	98
56) Ethyl methacrylate	11.08	69	364716	82.759	ug/l	97
57) 1,3-Dichloropropane	11.44	76	502517	83.246	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.90	63	677994	323.448	ug/l	99
59) 2-Hexanone	11.56	43	810564	382.553	ug/l	99
60) Dibromochloromethane	11.72	129	541180	82.371	ug/l	98
61) 1,2-Dibromoethane	11.84	107	396694	80.347	ug/l	99
64) Tetrachloroethene	11.30	164	463276	80.549	ug/l	99
65) Chlorobenzene	12.43	112	1085861	76.027	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.54	131	461561	77.115	ug/l	97
67) Ethyl Benzene	12.55	91	1674228	73.198	ug/l	99
68) m/p-Xylenes	12.69	106	1345863	156.649	ug/l	98
69) o-Xylene	13.08	106	631839	78.242	ug/l	96
70) Styrene	13.10	104	1064024	76.567	ug/l	98
71) Bromoform	13.25	173	278319	78.339	ug/l	99
73) Isopropylbenzene	13.43	105	1715856	78.036	ug/l	95
74) N-amyl acetate	13.28	43	483474	81.769	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.72	83	349721	80.464	ug/l	99
76) 1,2,3-Trichloropropane	13.76	75	365976	82.195	ug/l	97
77) Bromobenzene	13.70	156	531029	85.019	ug/l	96
78) n-propylbenzene	13.80	91	2107561	82.962	ug/l	99
79) 2-Chlorotoluene	13.86	91	1234338	83.668	ug/l	97
80) 1,3,5-Trimethylbenzene	13.95	105	1413995	81.047	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.49	75	116516	91.862	ug/l	95
82) 4-Chlorotoluene	13.97	91	1367899	80.529	ug/l	99
83) tert-Butylbenzene	14.21	119	1523128	74.351	ug/l	98
84) 1,2,4-Trimethylbenzene	14.26	105	1337501	76.266	ug/l	99
85) sec-Butylbenzene	14.39	105	1585661	74.875	ug/l	100
86) p-Isopropyltoluene	14.51	119	1403285	70.821	ug/l	99
87) 1,3-Dichlorobenzene	14.48	146	822216	75.405	ug/l	98
88) 1,4-Dichlorobenzene	14.55	146	784255	72.759	ug/l	99
89) n-Butylbenzene	14.82	91	1412320	80.522	ug/l	99
90) Hexachloroethane	15.03	117	462646	85.665	ug/l	99
91) 1,2-Dichlorobenzene	14.83	146	725393	79.420	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.40	75	49253	81.840	ug/l	84

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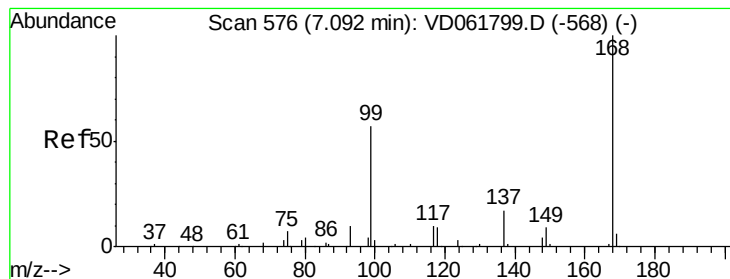
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	406864	81.105	ug/l	96
94) Hexachlorobutadiene	16.06	225	288924	79.475	ug/l	99
95) Naphthalene	16.14	128	665200	86.513	ug/l	100
96) 1,2,3-Trichlorobenzene	16.29	180	211955	74.143	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.09 min Scan# 576

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:168 Resp: 599782

Ion Ratio Lower Upper

168 100

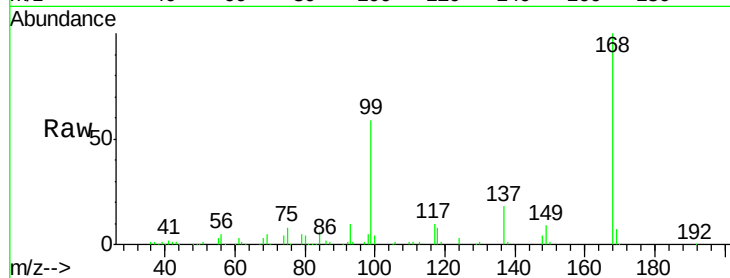
99 59.3 46.5 69.7

Manual Integrations

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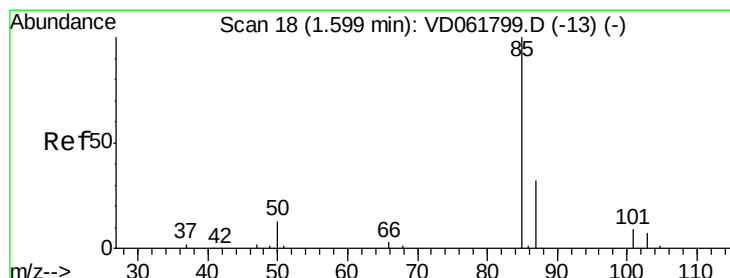
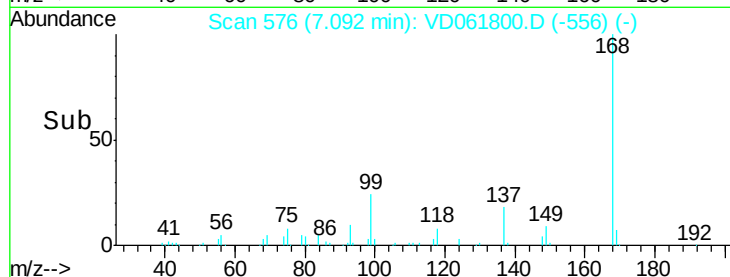
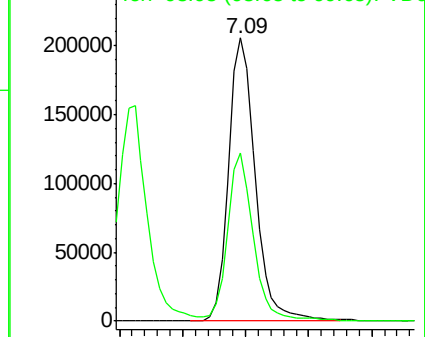
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 82.256 ug/l

RT: 1.59 min Scan# 17

Delta R.T. -0.01 min

Lab File: VD061800.D

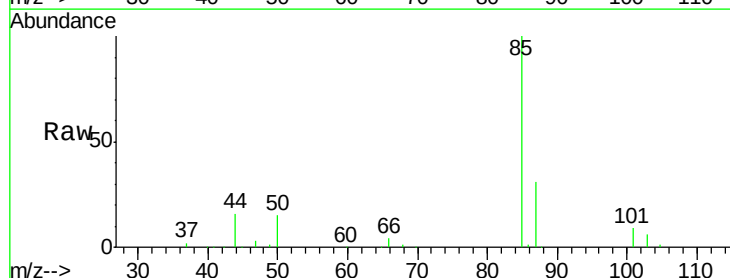
Acq: 15 Apr 2019 14:37

Tgt Ion: 85 Resp: 484096

Ion Ratio Lower Upper

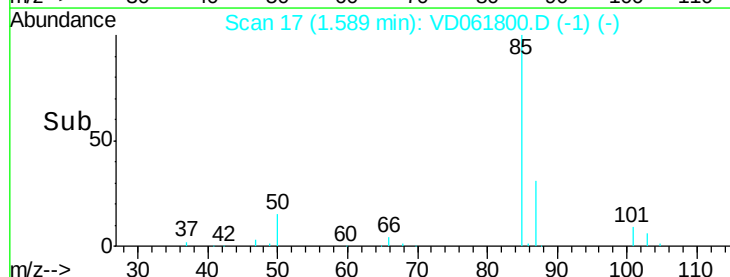
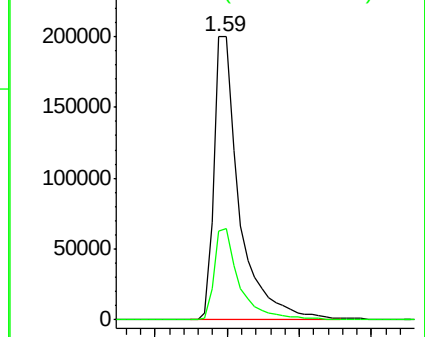
85 100

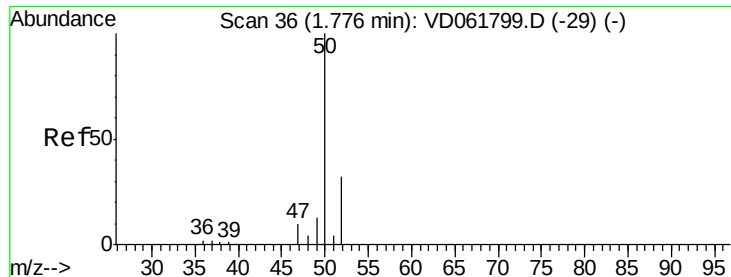
87 31.4 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 76.546 ug/l

RT: 1.77 min Scan# 35

Delta R.T. -0.01 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 50 Resp: 358989

Ion Ratio Lower Upper

50 100

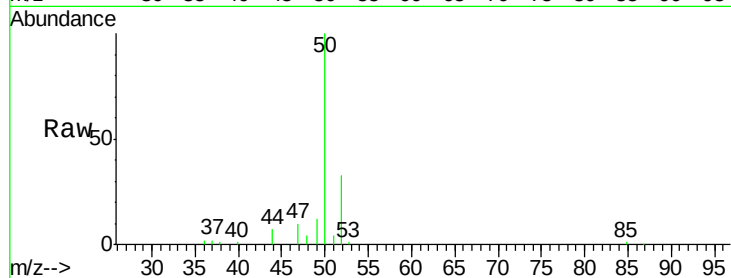
52 33.4 25.2 37.8

Manual Integrations

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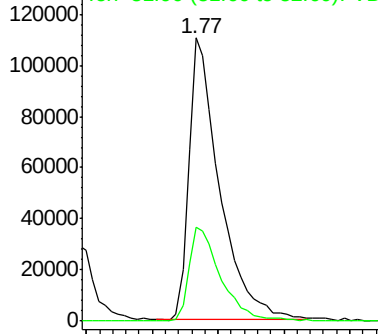
MMDadoda

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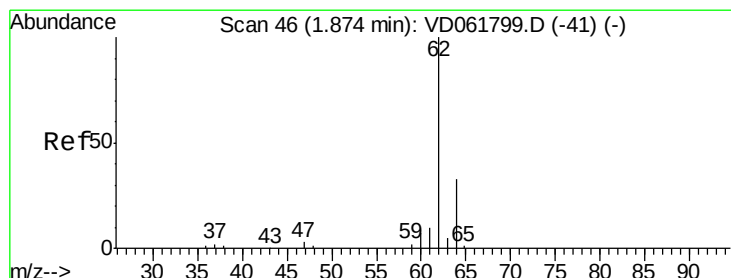
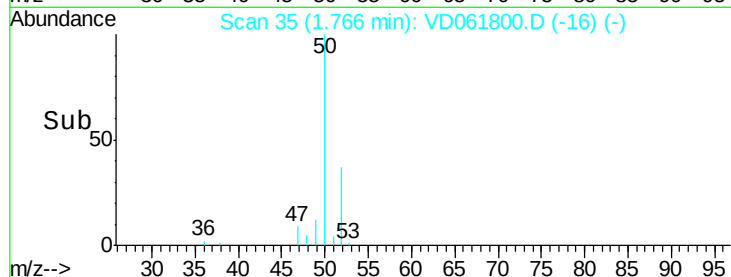


Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



Time-->



#4

Vinyl Chloride

Concen: 77.573 ug/l

RT: 1.86 min Scan# 45

Delta R.T. -0.01 min

Lab File: VD061800.D

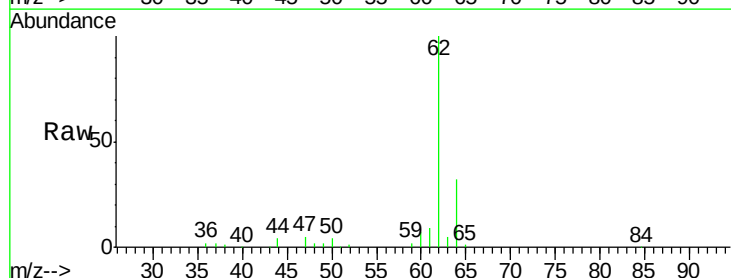
Acq: 15 Apr 2019 14:37

Tgt Ion: 62 Resp: 361110

Ion Ratio Lower Upper

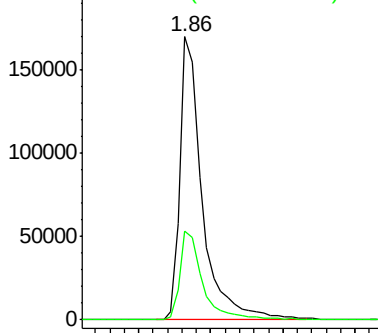
62 100

64 31.6 26.5 39.7

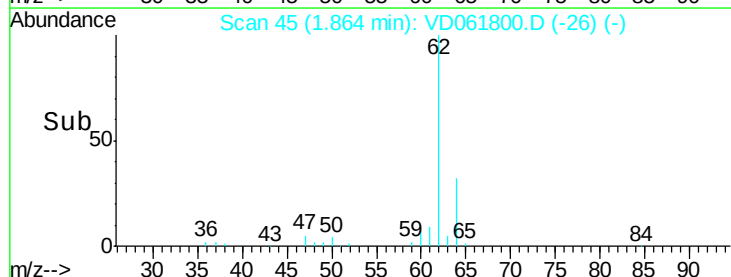


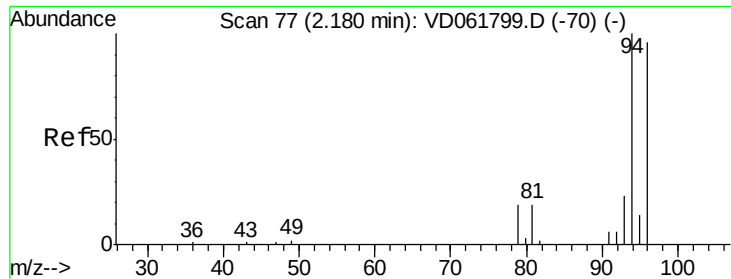
Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC



Time-->





#5

Bromomethane

Concen: 61.937 ug/l

RT: 2.17 min Scan# 76

Delta R.T. -0.01 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Instrument :

MSVOA_D

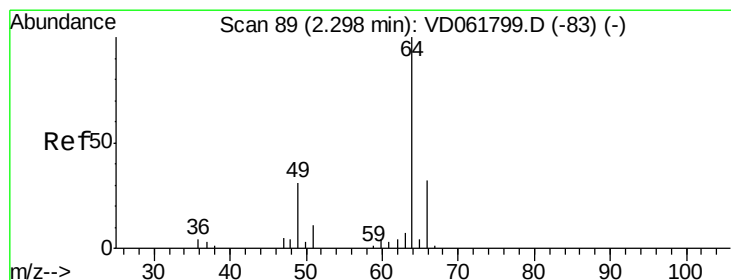
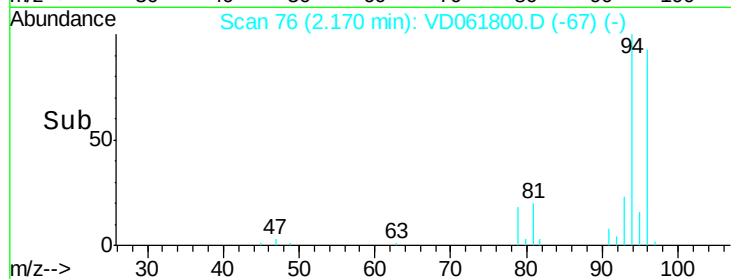
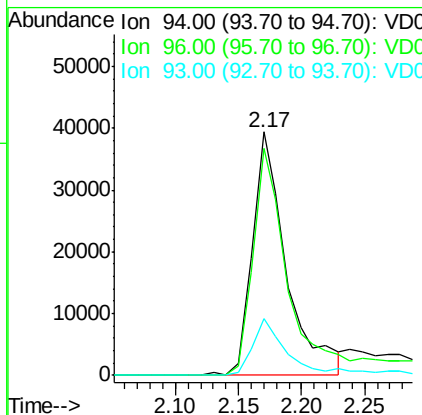
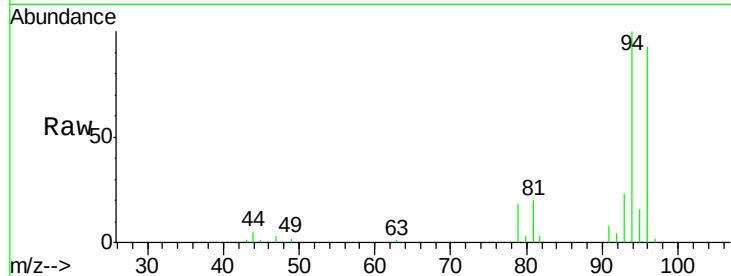
ClientSampleId :

VSTDIC075

Tot Ion:	94	Resp:	73880
Ion	Ratio	Lower	Upper
94	100		
96	93.2	76.6	115.0
93	23.4	18.5	27.7

Manual Integrations
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#6

Chloroethane

Concen: 77.630 ug/l

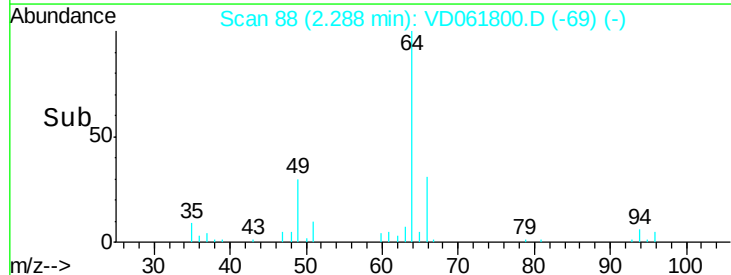
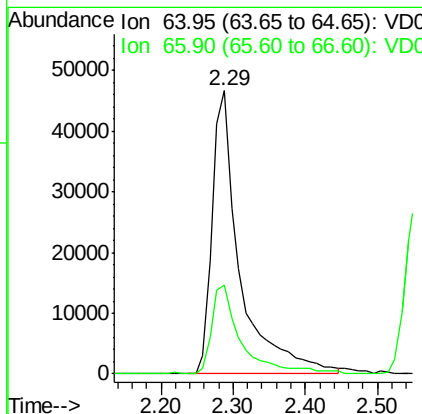
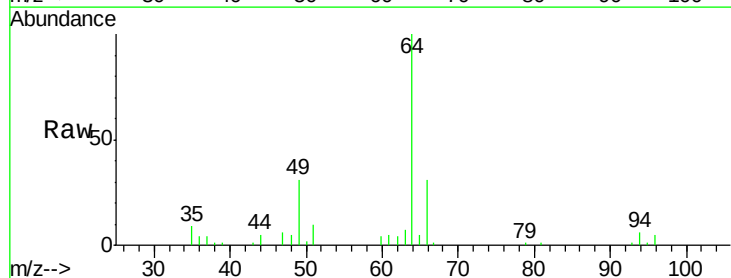
RT: 2.29 min Scan# 88

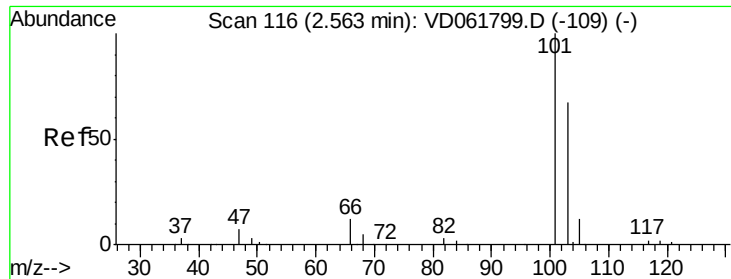
Delta R.T. -0.01 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Tgt Ion:	64	Resp:	123290
Ion	Ratio	Lower	Upper
64	100		
66	31.4	25.6	38.4





#7

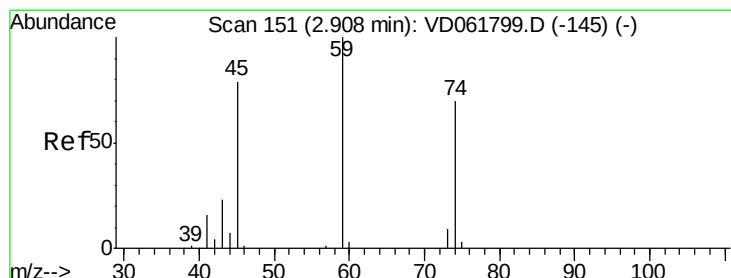
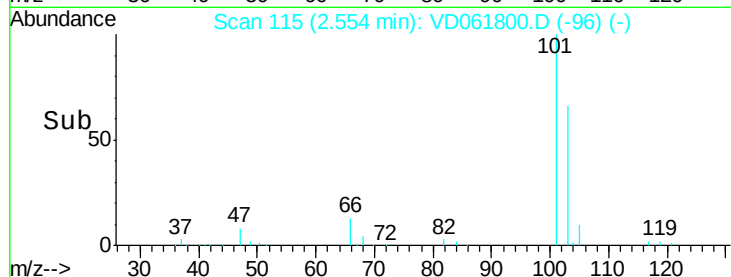
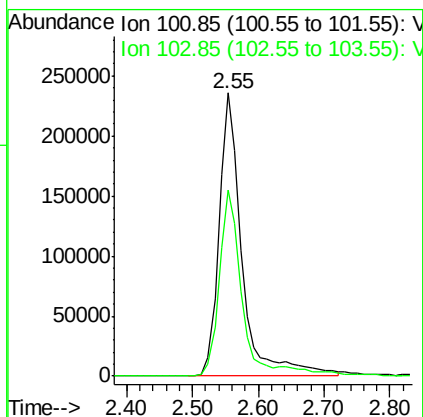
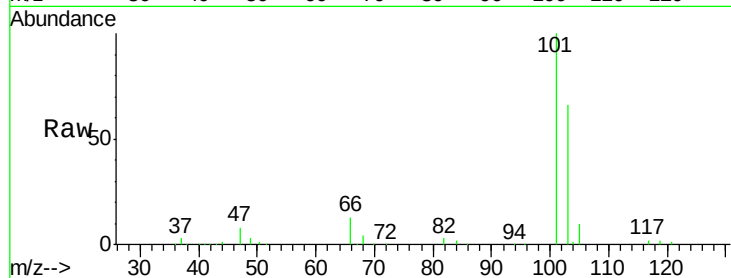
Trichlorofluoromethane
Concen: 75.873 ug/l
RT: 2.55 min Scan# 115
Delta R.T. -0.01 min
Lab File: VD061800.D
Acq: 15 Apr 2019 14:37

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	571650		
103	65.8	53.6	80.4	

Manual Integrations
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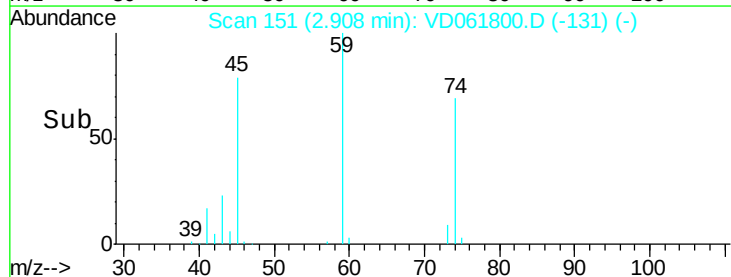
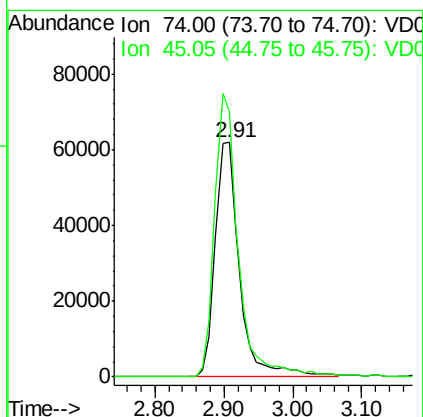
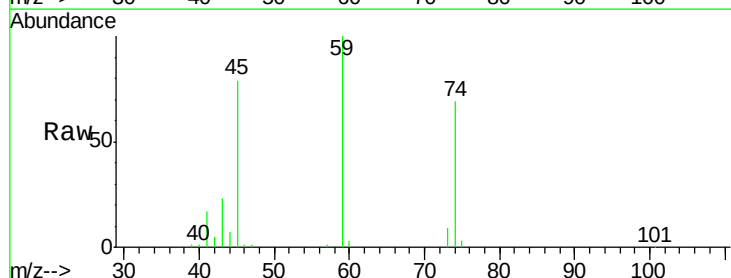
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4/16/2019 3:12:57 PM

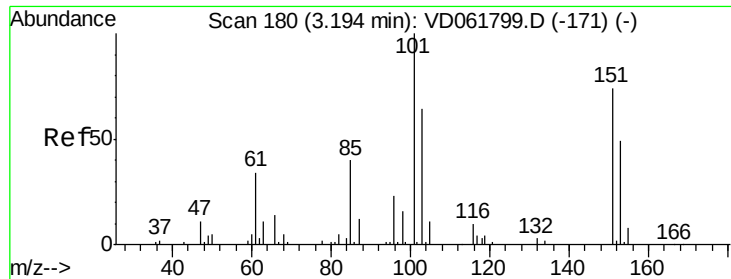


#8

Diethyl Ether
Concen: 76.982 ug/l
RT: 2.91 min Scan# 151
Delta R.T. -0.00 min
Lab File: VD061800.D
Acq: 15 Apr 2019 14:37

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	152318		
45	113.5	56.9	170.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 74.663 ug/l

RT: 3.18 min Scan# 179

Delta R.T. -0.01 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Instrument :

MSVOA_D

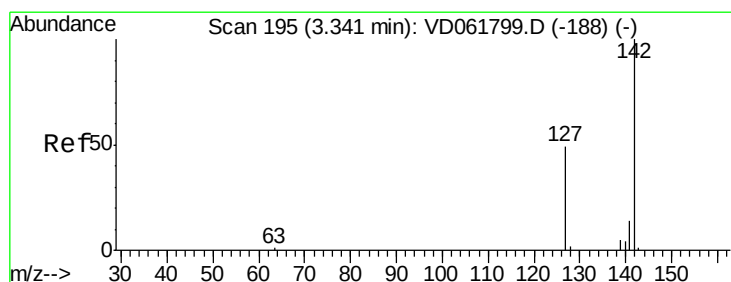
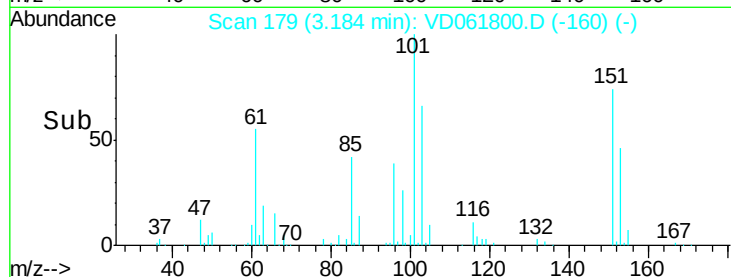
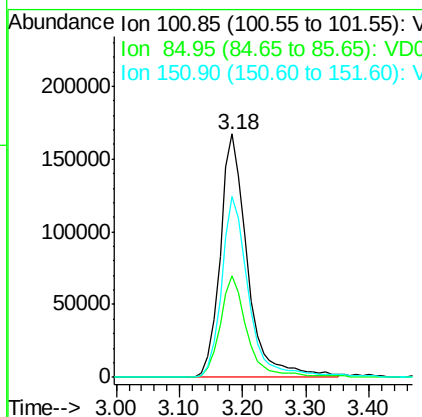
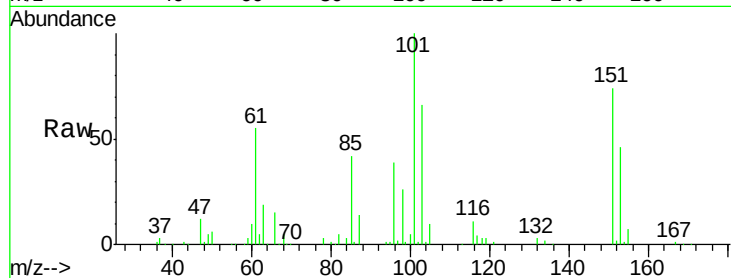
ClientSampleId :

VSTDIC075

Tot Ion:	101	Resp:	502257
Ion Ratio	Lower	Upper	
101	100		
85	41.6	32.4	48.6
151	74.4	59.4	89.0

Manual Integrations
APPROVED

MMDadoda
4/16/2019 3:12:57 PM



#10

Methyl Iodide

Concen: 90.779 ug/l

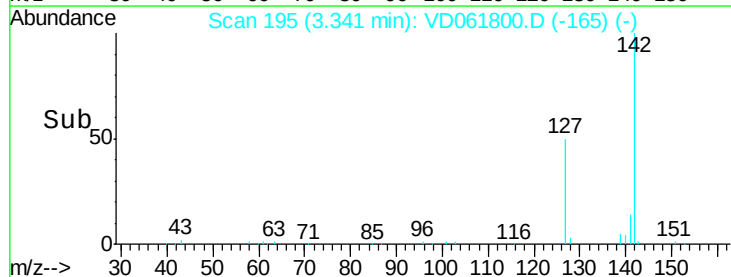
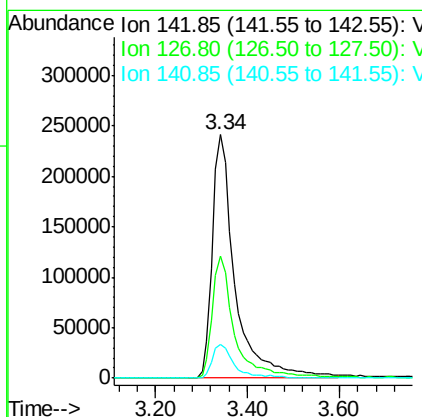
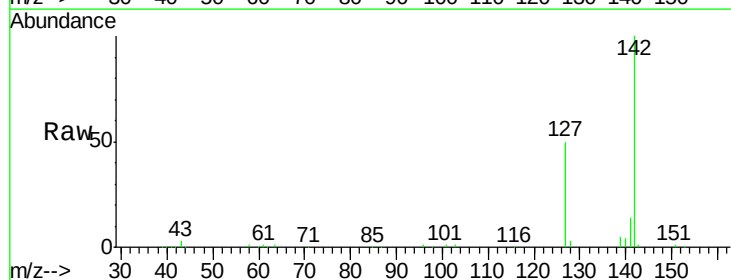
RT: 3.34 min Scan# 195

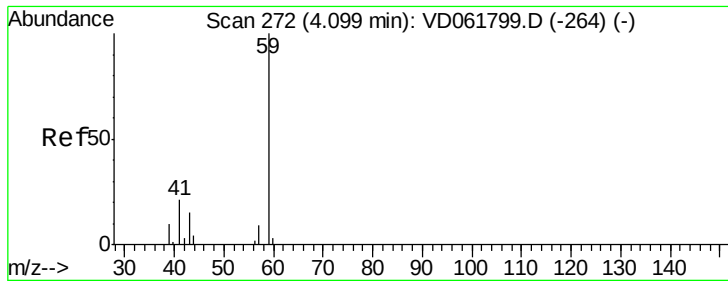
Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Tgt Ion:	142	Resp:	823477
Ion Ratio	Lower	Upper	
142	100		
127	50.1	38.8	58.2
141	13.6	11.4	17.0





#11

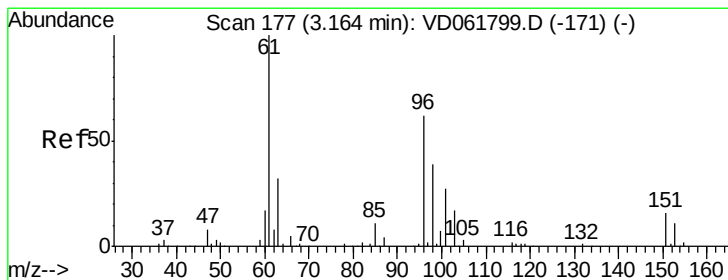
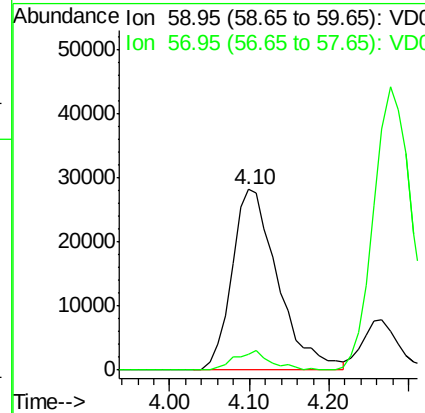
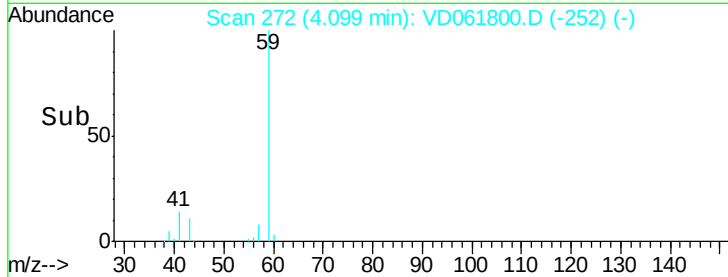
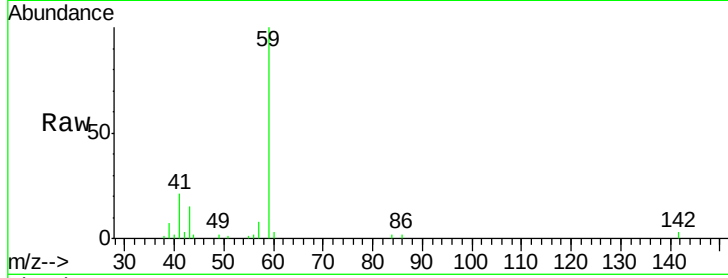
Tert butyl alcohol
Concen: 377.769 ug/l
RT: 4.10 min Scan# 272
Delta R.T. -0.00 min
Lab File: VD061800.D
Acq: 15 Apr 2019 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	59	57	Ratio	100	8.5	Resp	112559	Lower	6.9	Upper	10.3
Ion	59	57	Ratio	100	8.5	Resp	112559	Lower	6.9	Upper	10.3

Manual Integrations
APPROVED

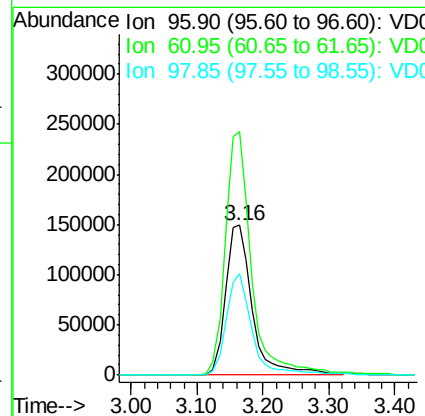
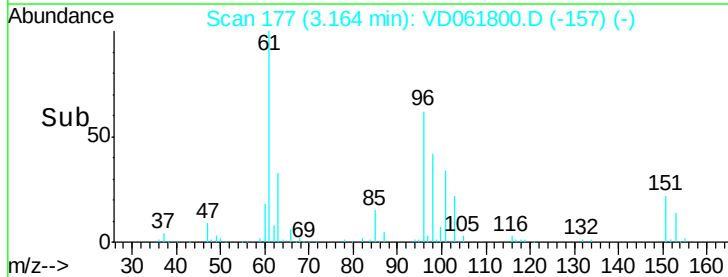
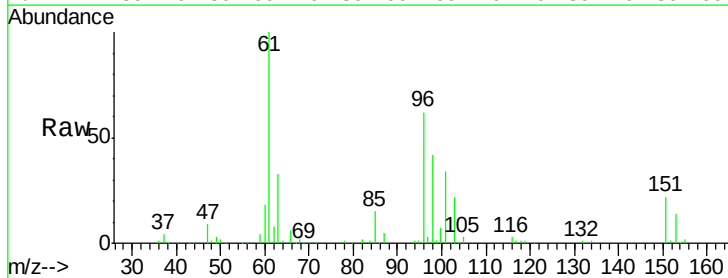
MMDadoda
4/16/2019 3:12:57 PM

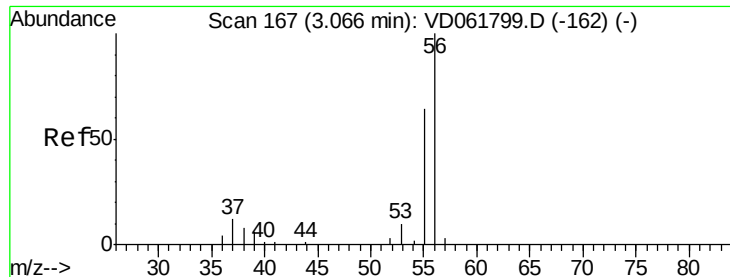


#12

1,1-Dichloroethene
Concen: 75.387 ug/l
RT: 3.16 min Scan# 177
Delta R.T. -0.00 min
Lab File: VD061800.D
Acq: 15 Apr 2019 14:37

Tgt Ion	96	61	98	Ratio	100	162.4	67.8	Resp	426576	Lower	129.8	51.2	Upper	194.8	76.8
Ion	96	61	98	Ratio	100	162.4	67.8	Resp	426576	Lower	129.8	51.2	Upper	194.8	76.8





#13

Acrolein

Concen: 306.324 ug/l

RT: 3.07 min Scan# 167

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 56 Resp: 88424

Ion Ratio Lower Upper

56 100

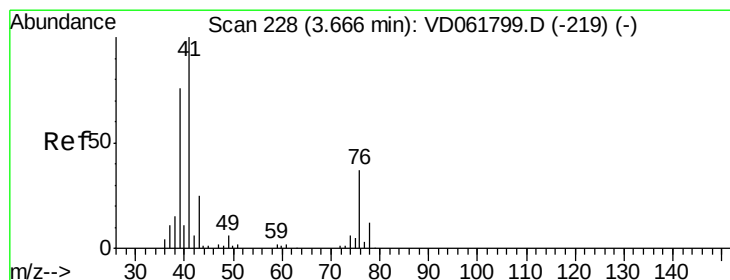
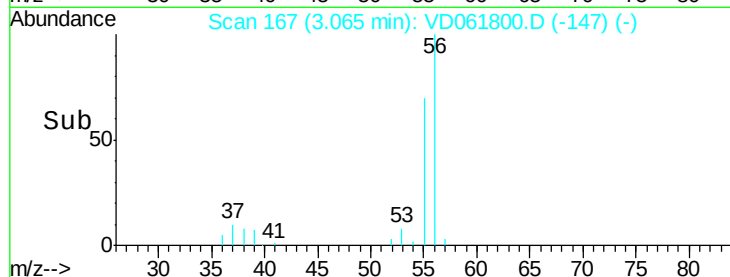
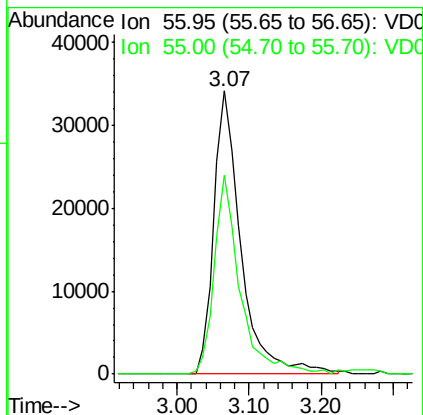
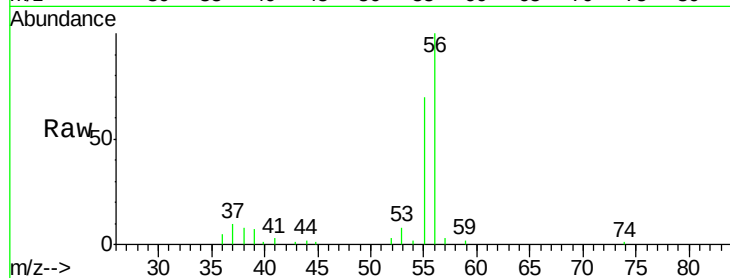
55 70.4 51.4 77.2

Manual Integrations

APPROVED

MMDadoda

4/16/2019 3:12:57 PM



#14

Allyl chloride

Concen: 78.925 ug/l

RT: 3.66 min Scan# 227

Delta R.T. -0.01 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

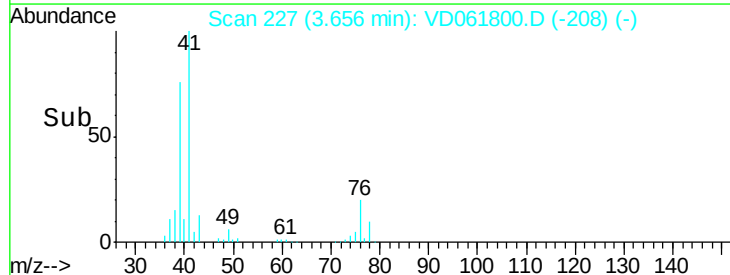
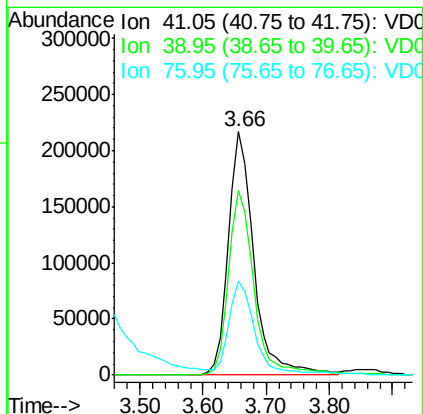
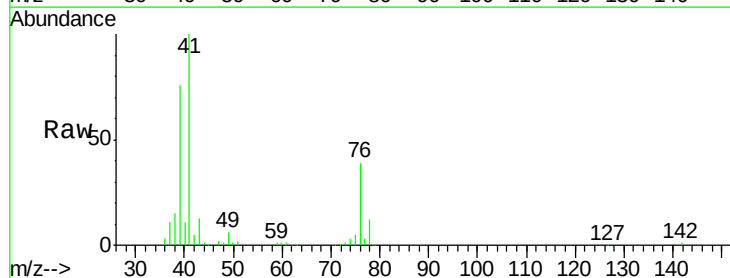
Tgt Ion: 41 Resp: 608853

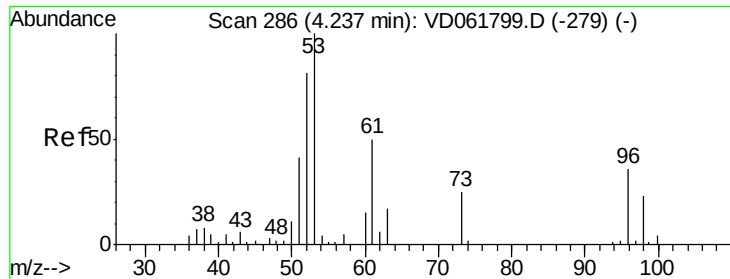
Ion Ratio Lower Upper

41 100

39 75.7 60.5 90.7

76 38.5 31.8 47.8





#15

Acrylonitrile

Concen: 366.143 ug/l

RT: 4.24 min Scan# 286

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Instrument :

MSVOA_D

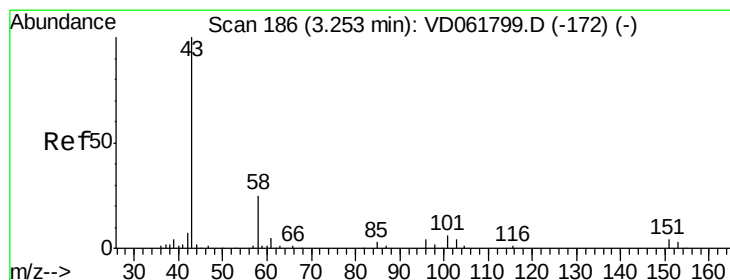
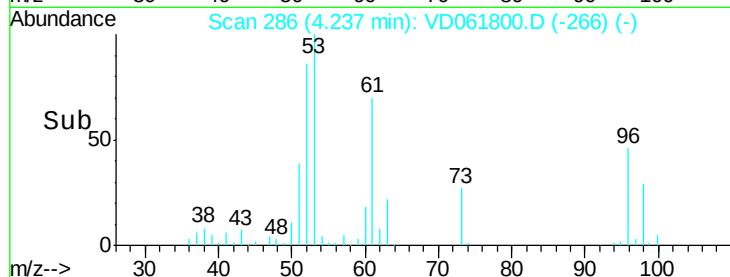
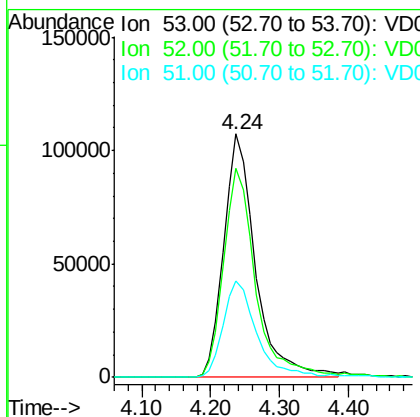
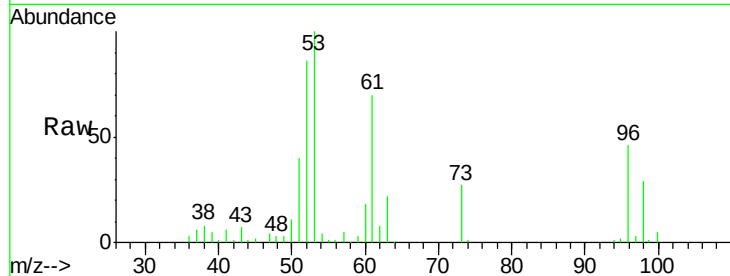
ClientSampleId :

VSTDIC075

Tot Ion:	53	Resp:	342500
Ion	Ratio	Lower	Upper
53	100		
52	85.6	65.0	97.4
51	39.8	32.6	48.8

Manual Integrations
APPROVED

MMDadoda
4/16/2019 3:12:57 PM



#16

Acetone

Concen: 391.735 ug/l

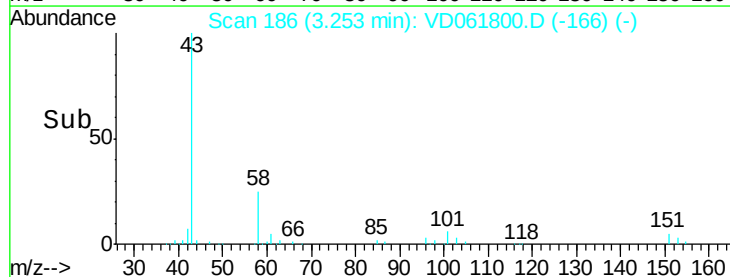
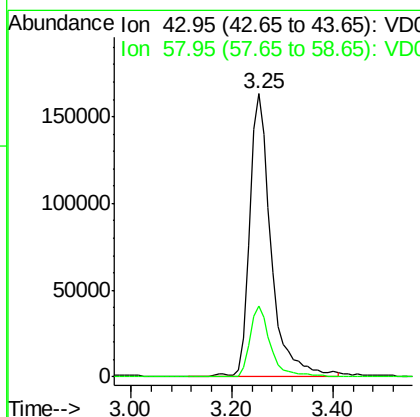
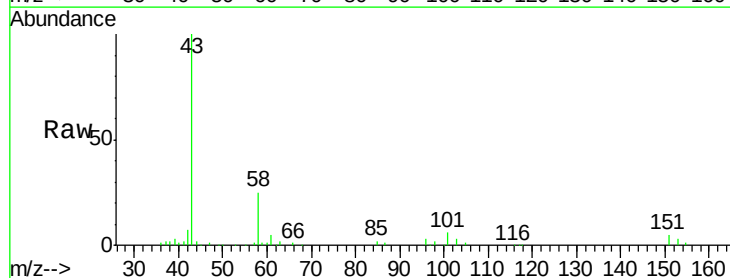
RT: 3.25 min Scan# 186

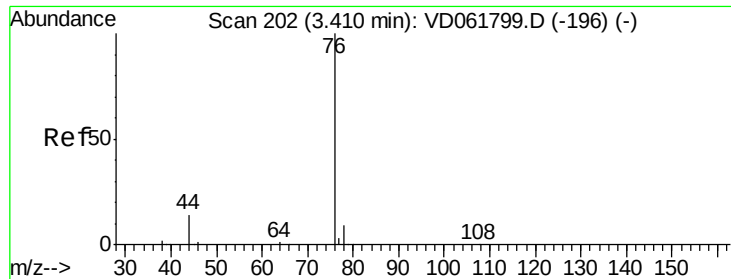
Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Tgt Ion:	43	Resp:	487886
Ion	Ratio	Lower	Upper
43	100		
58	25.0	19.9	29.9





#17

Carbon Disulfide

Concen: 74.858 ug/l

RT: 3.41 min Scan# 202

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 76 Resp: 1368990

Ion Ratio Lower Upper

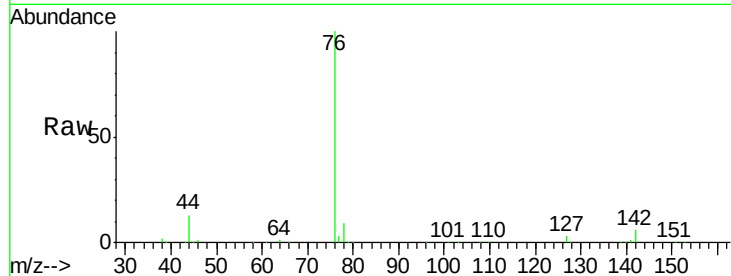
76 100

78 9.4 7.2 10.8

Manual Integrations
APPROVED

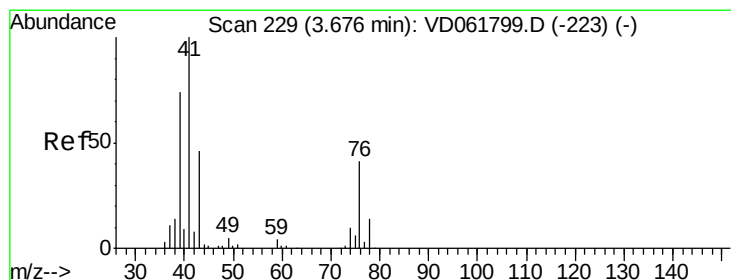
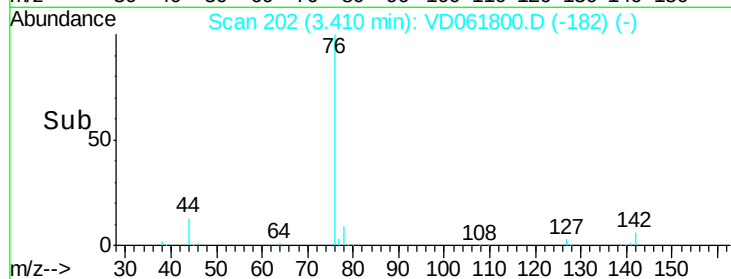
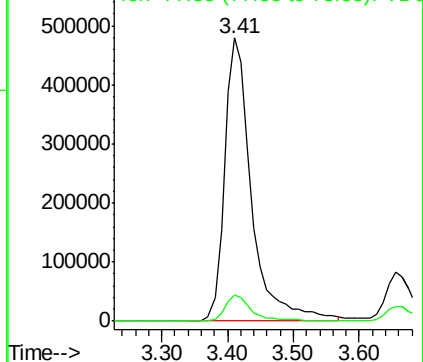
MMDadoda

4/16/2019 3:12:57 PM



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 71.173 ug/l

RT: 3.68 min Scan# 229

Delta R.T. -0.00 min

Lab File: VD061800.D

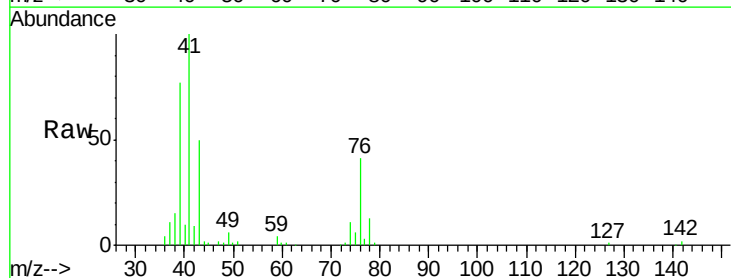
Acq: 15 Apr 2019 14:37

Tgt Ion: 43 Resp: 177763

Ion Ratio Lower Upper

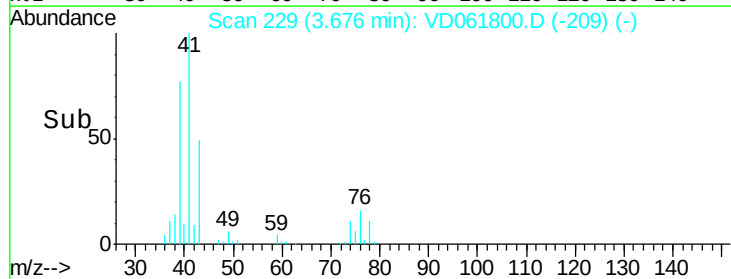
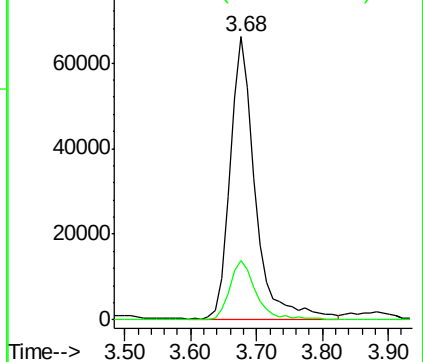
43 100

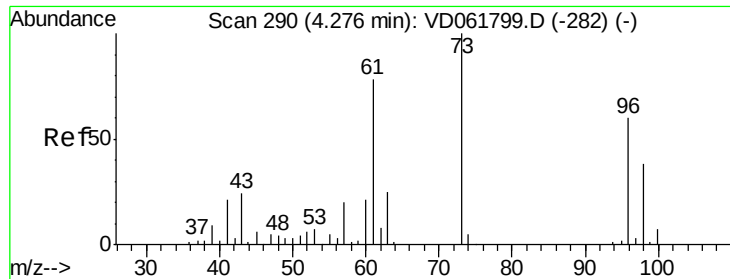
74 21.1 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#19

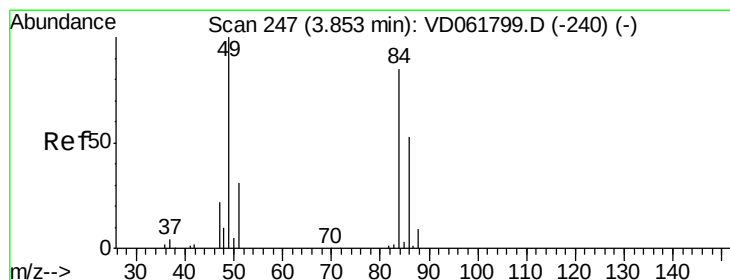
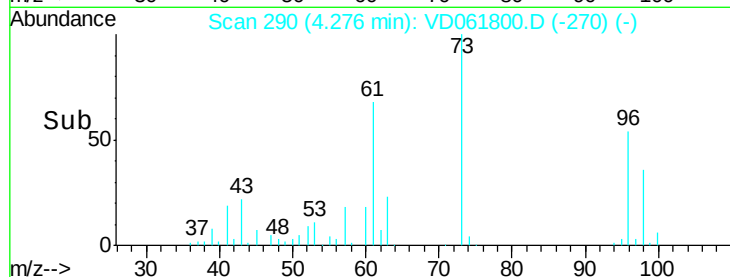
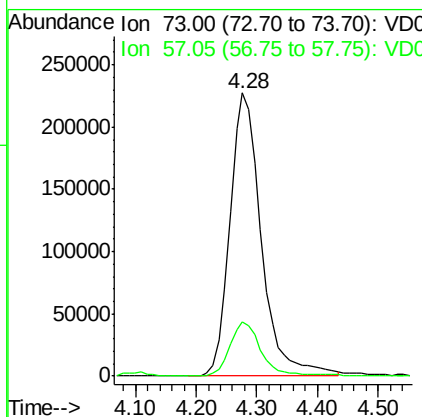
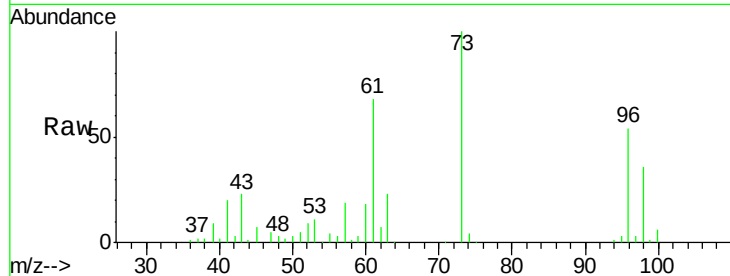
Methyl tert-butyl Ether
 Concen: 77.894 ug/l
 RT: 4.28 min Scan# 290
 Delta R.T. -0.00 min
 Lab File: VD061800.D
 Acq: 15 Apr 2019 14:37

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.4	16.3	24.5

Manual Integrations
 APPROVED

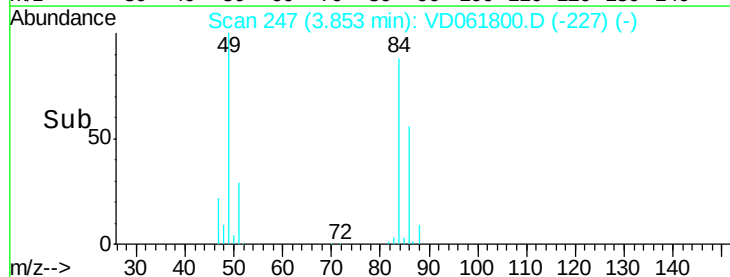
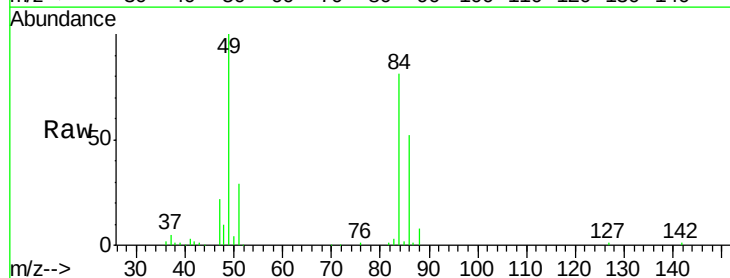
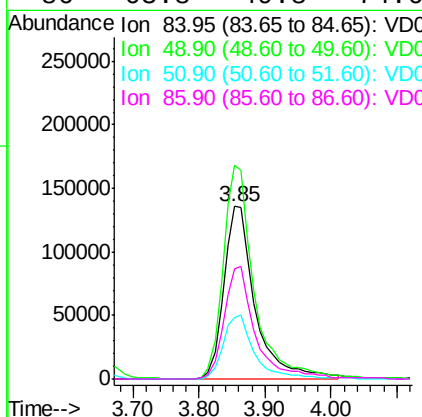
MMDadoda
 4/16/2019 3:12:57 PM

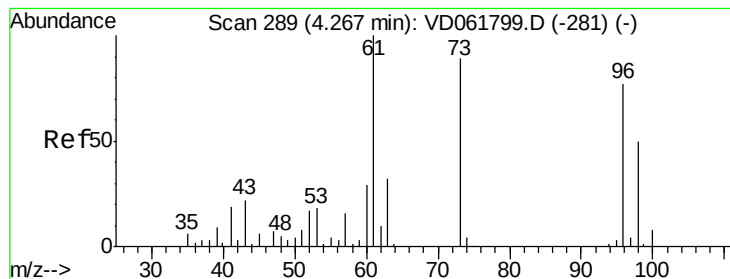


#20

Methylene Chloride
 Concen: 60.101 ug/l
 RT: 3.85 min Scan# 247
 Delta R.T. -0.00 min
 Lab File: VD061800.D
 Acq: 15 Apr 2019 14:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.6	94.0	141.0
51	35.3	29.0	43.4
86	63.8	49.8	74.6





#21

trans-1,2-Dichloroethene

Concen: 78.486 ug/l

RT: 4.27 min Scan# 289

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 96 Resp: 487751

Ion Ratio Lower Upper

96 100

61 129.4 104.4 156.6

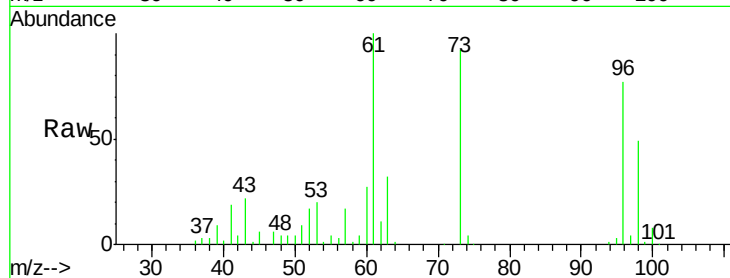
98 62.8 51.8 77.8

Manual Integrations

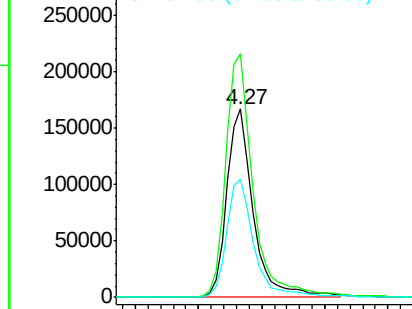
APPROVED

MMDadoda

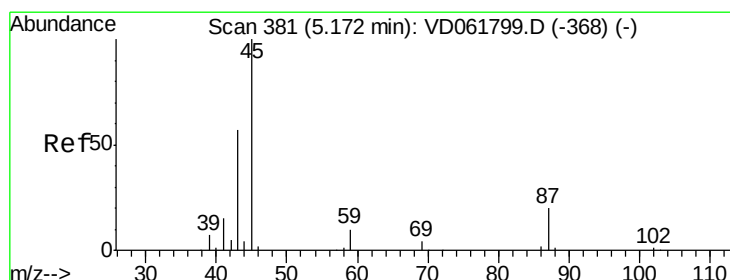
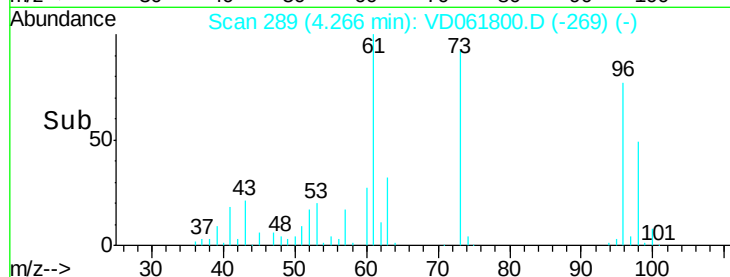
4/16/2019 3:12:57 PM



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



Time-->



#22

Diisopropyl ether

Concen: 74.413 ug/l

RT: 5.17 min Scan# 381

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Tgt Ion: 45 Resp: 1224976

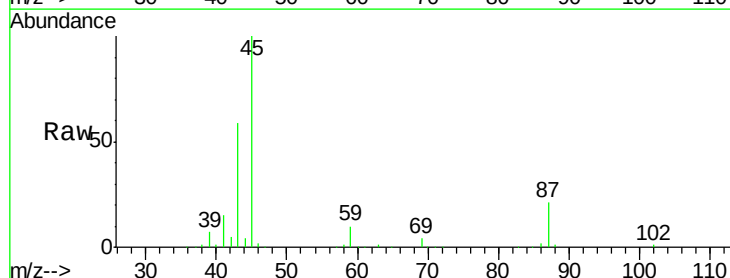
Ion Ratio Lower Upper

45 100

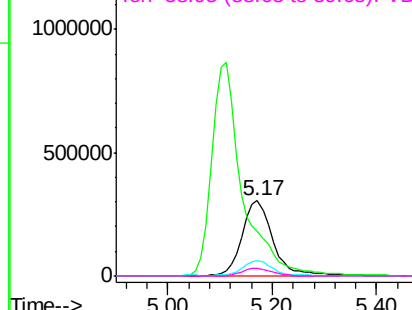
43 59.3 46.2 69.2

87 20.6 15.9 23.9

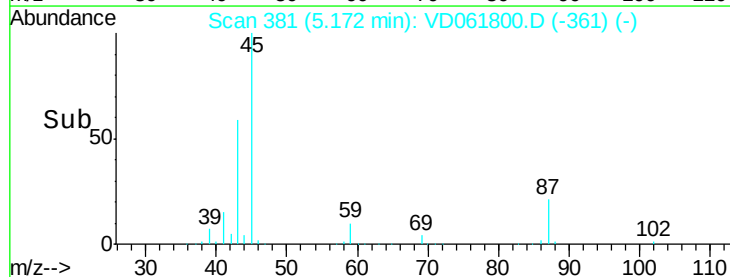
59 10.4 7.9 11.9

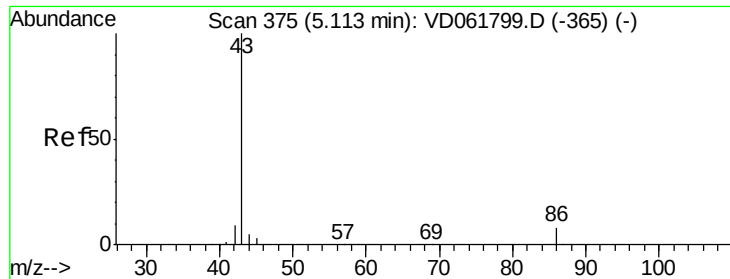


Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC



Time-->





#23

Vinyl Acetate

Concen: 396.692 ug/l

RT: 5.11 min Scan# 375

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 3485481

Ion Ratio Lower Upper

43 100

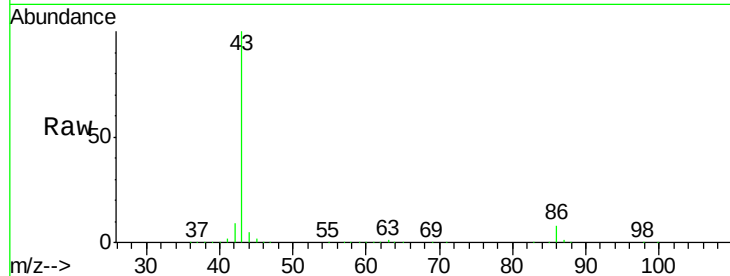
86 8.2 6.4 9.6

Manual Integrations

APPROVED

MMDadoda

4/16/2019 3:12:57 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

1000000

800000

600000

400000

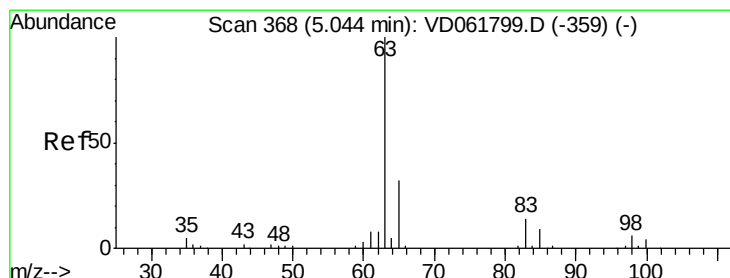
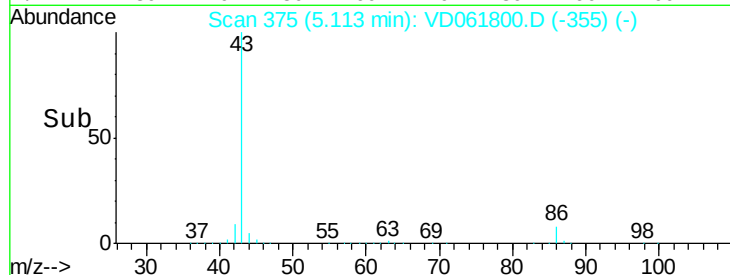
200000

0

Time-->

4.90 5.00 5.10 5.20 5.30

5.11



#24

1,1-Dichloroethane

Concen: 76.733 ug/l

RT: 5.03 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

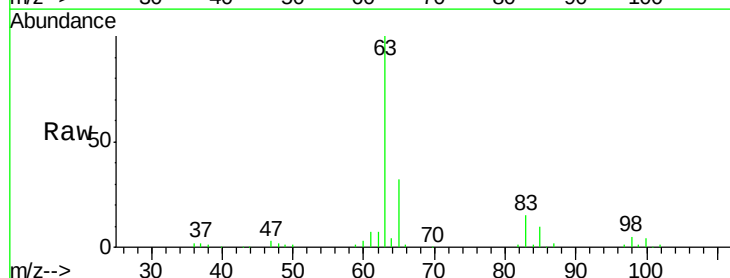
Tgt Ion: 63 Resp: 766672

Ion Ratio Lower Upper

63 100

98 5.4 2.8 8.4

100 3.7 1.8 5.5



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

250000

200000

150000

100000

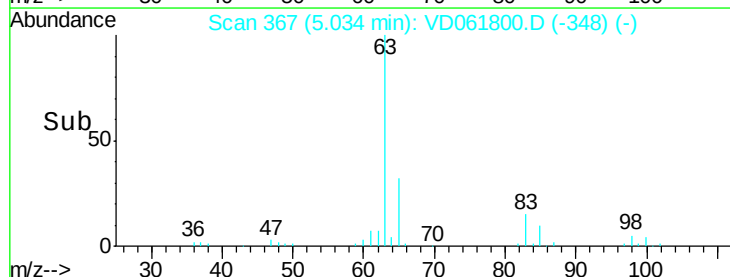
50000

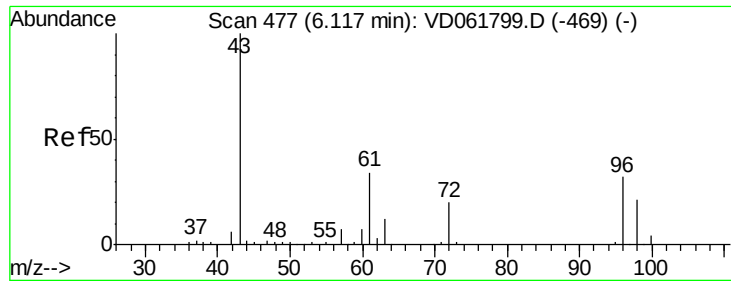
0

Time-->

4.90 5.00 5.10 5.20

5.03





#25

2-Butanone

Concen: 393.340 ug/l

RT: 6.12 min Scan# 477

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 557804

Ion Ratio Lower Upper

43 100

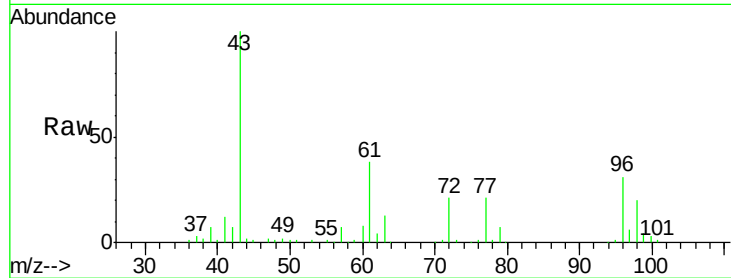
72 21.2 16.2 24.4

Manual Integrations

APPROVED

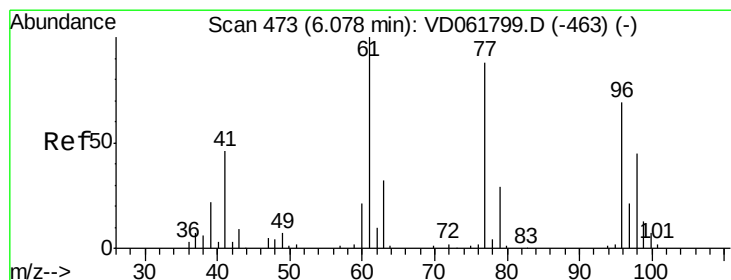
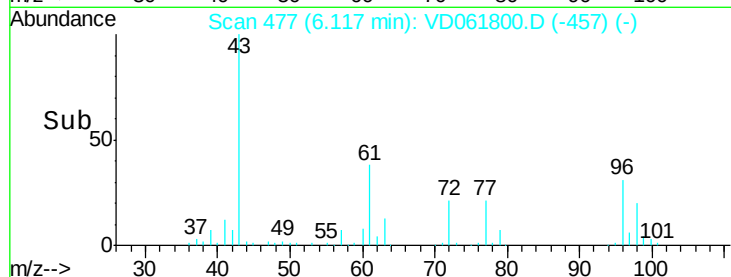
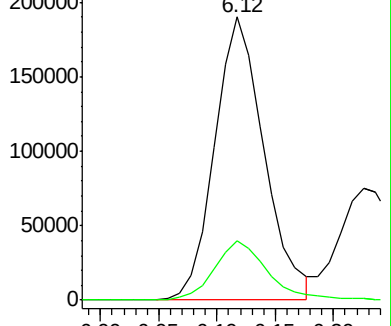
MMDadoda

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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: 74.823 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.01 min

Lab File: VD061800.D

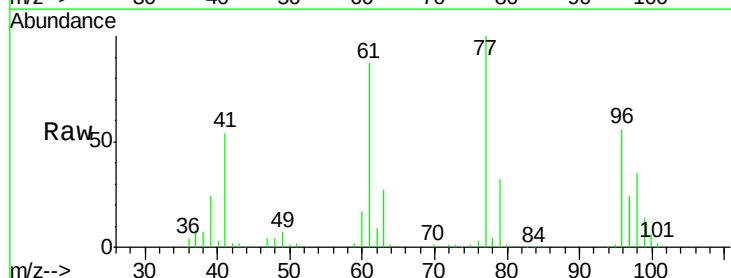
Acq: 15 Apr 2019 14:37

Tgt Ion: 77 Resp: 646844

Ion Ratio Lower Upper

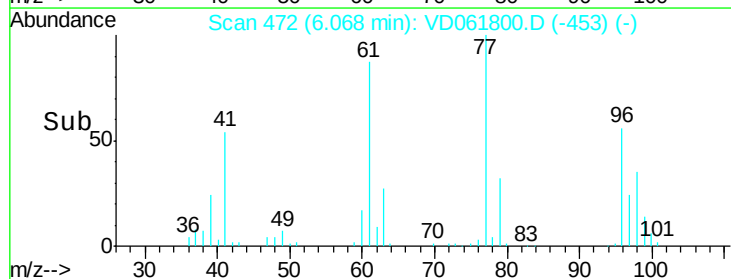
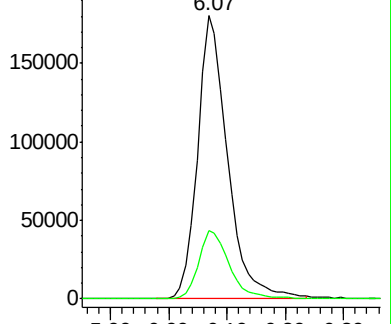
77 100

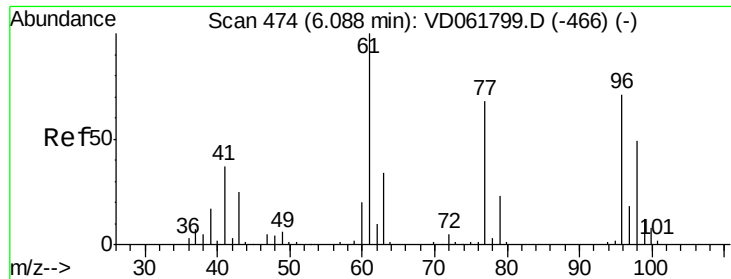
97 24.2 11.9 35.9



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: 74.864 ug/l

RT: 6.09 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Tot Ion:	96	Resp:	504940
Ion	Ratio	Lower	Upper
96	100		
61	139.2	0.0	279.8
98	65.5	0.0	136.0

Instrument :

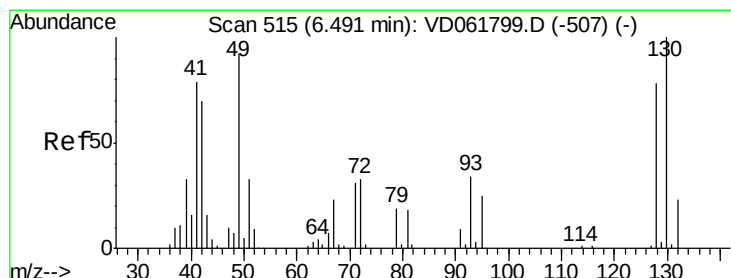
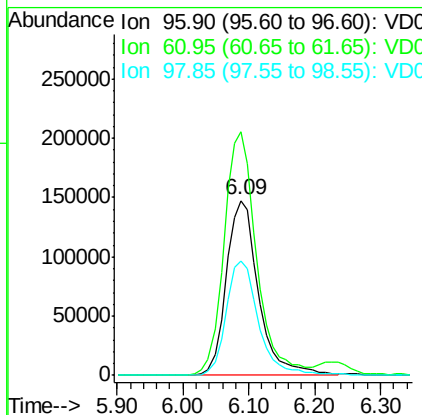
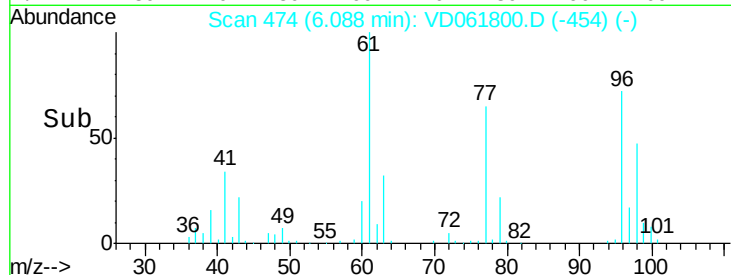
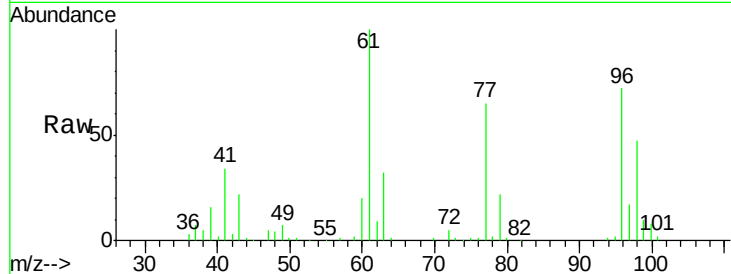
MSVOA_D

ClientSampleId :

VSTDIC075

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#28

Bromochloromethane

Concen: 72.343 ug/l

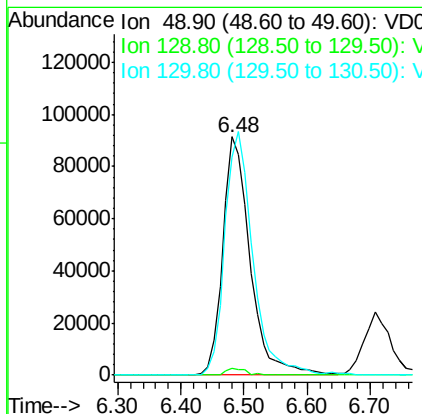
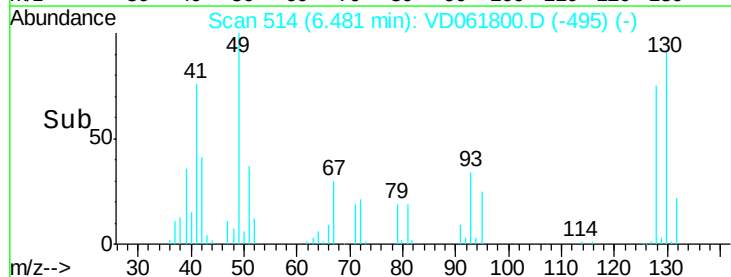
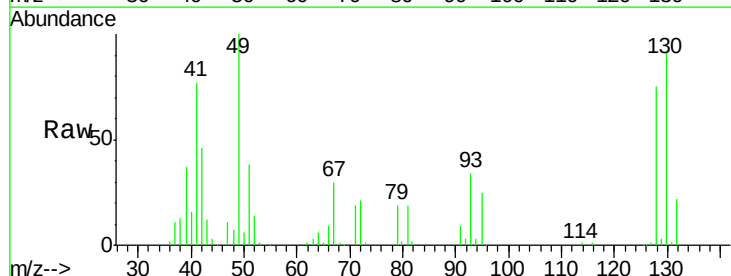
RT: 6.48 min Scan# 514

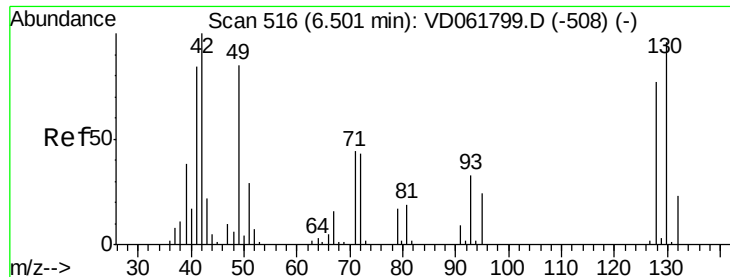
Delta R.T. -0.01 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Tgt Ion:	49	Resp:	274830
Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	6.6
130	91.5	86.7	130.1





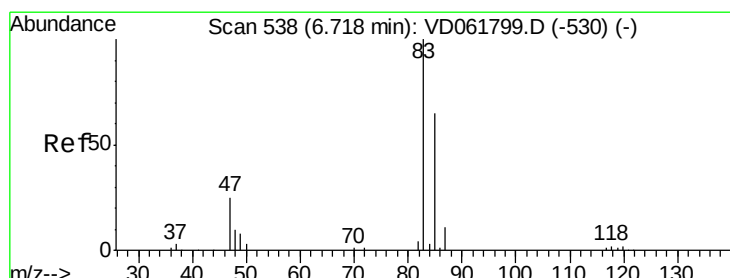
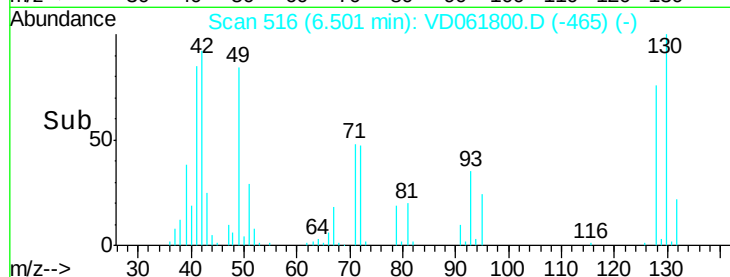
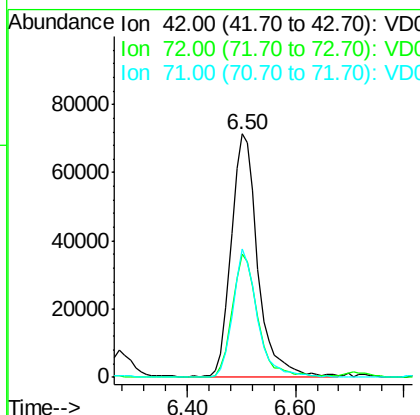
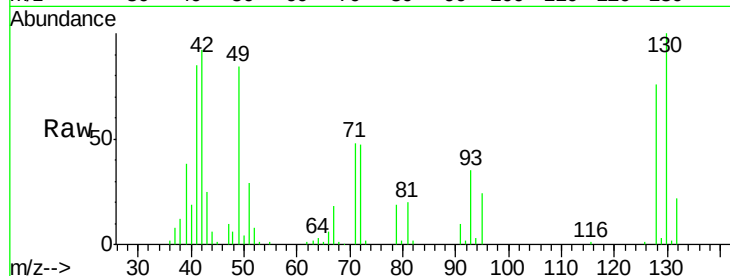
#29
Tetrahydrofuran
Concen: 356.556 ug/l
RT: 6.50 min Scan# 516
Delta R.T. -0.00 min
Lab File: VD061800.D
Acq: 15 Apr 2019 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.5	37.8	56.6
71	47.9	36.7	55.1

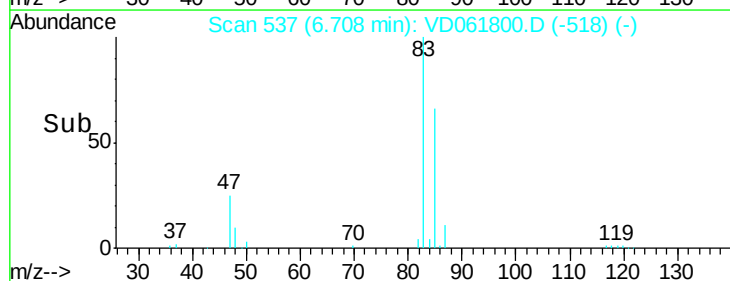
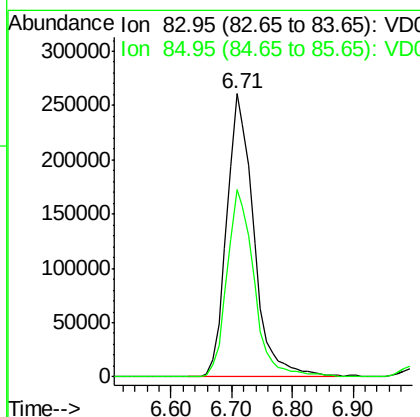
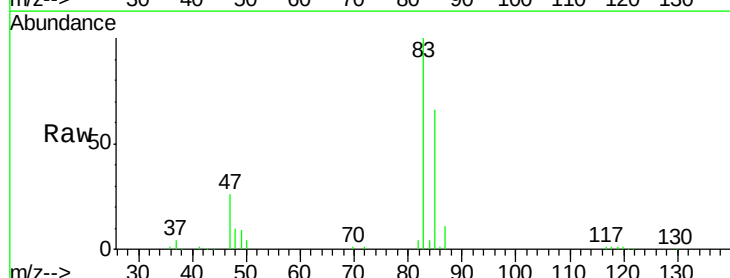
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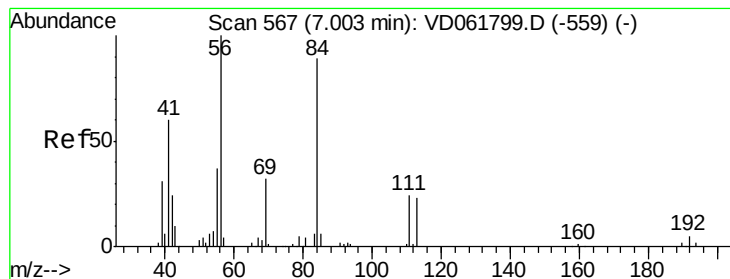
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#30
Chloroform
Concen: 72.801 ug/l
RT: 6.71 min Scan# 537
Delta R.T. -0.01 min
Lab File: VD061800.D
Acq: 15 Apr 2019 14:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.7	77.5





#31

Cyclohexane

Concen: 76.329 ug/l

RT: 7.00 min Scan# 567

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Instrument :

MSVOA_D

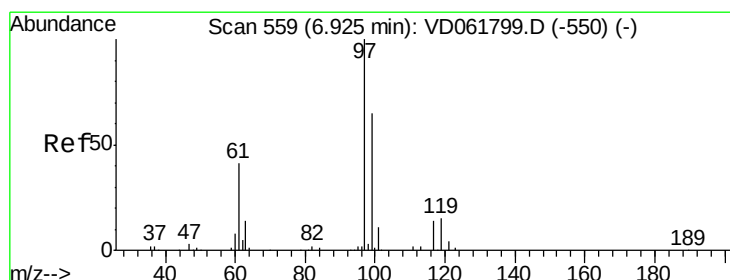
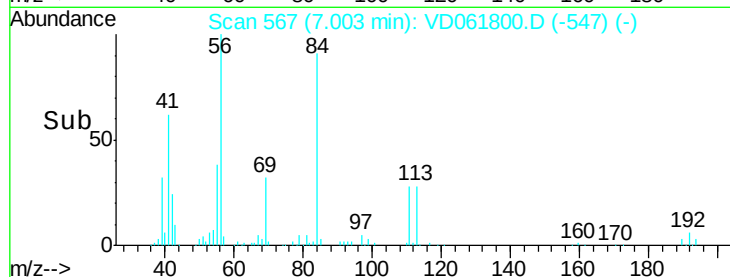
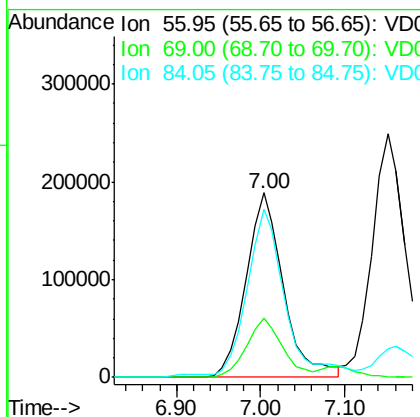
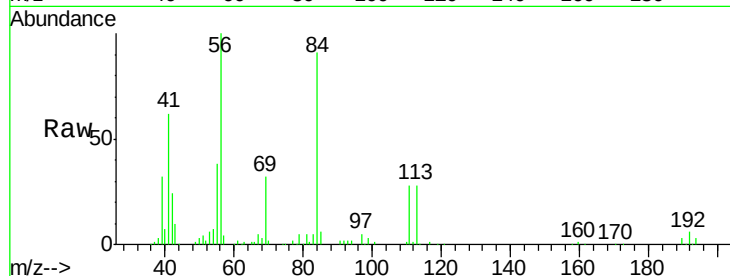
ClientSampleId :

VSTDIC075

Tot Ion:	56	Resp:	584271
Ion	Ratio	Lower	Upper
56	100		
69	32.3	25.8	38.6
84	91.4	72.2	108.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 77.336 ug/l

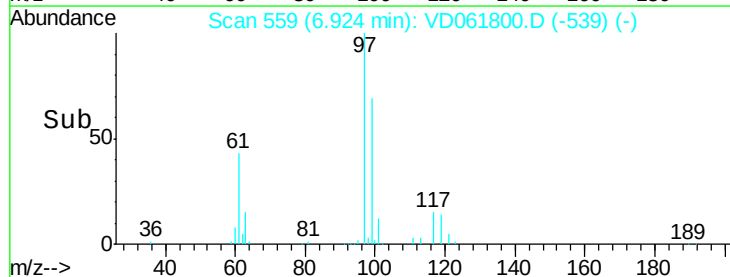
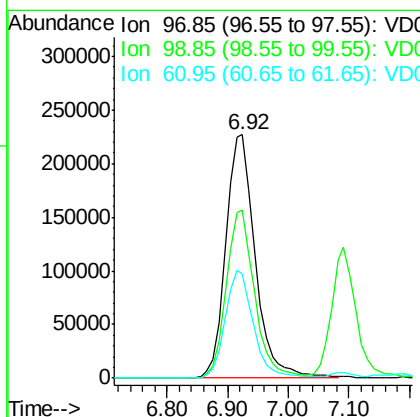
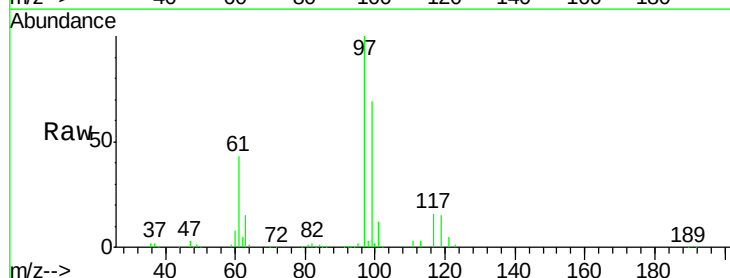
RT: 6.92 min Scan# 559

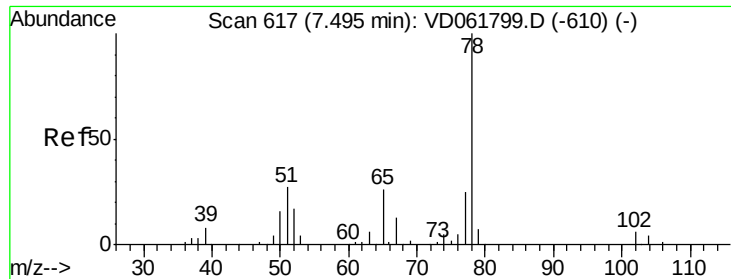
Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Tgt Ion:	97	Resp:	764570
Ion	Ratio	Lower	Upper
97	100		
99	69.0	52.2	78.2
61	42.7	32.4	48.6





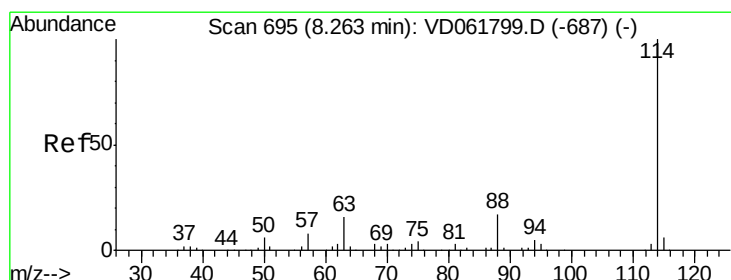
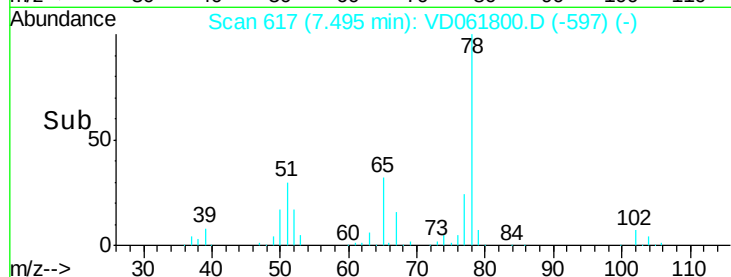
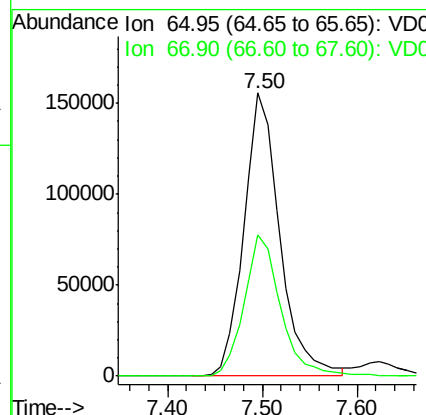
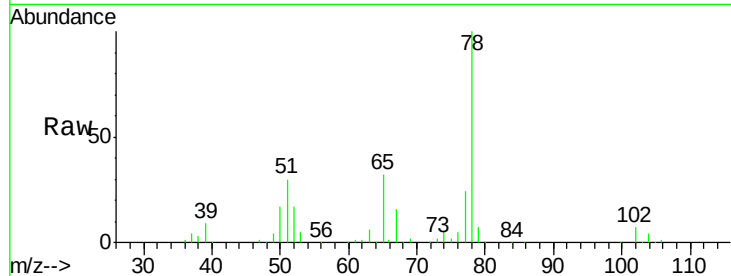
#33
 1,2-Dichloroethane-d4
 Concen: 77.336 ug/l
 RT: 7.50 min Scan# 617
 Delta R.T. -0.00 min
 Lab File: VD061800.D
 Acq: 15 Apr 2019 14:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
65	100	409080		
67	49.8	0.0	98.0	

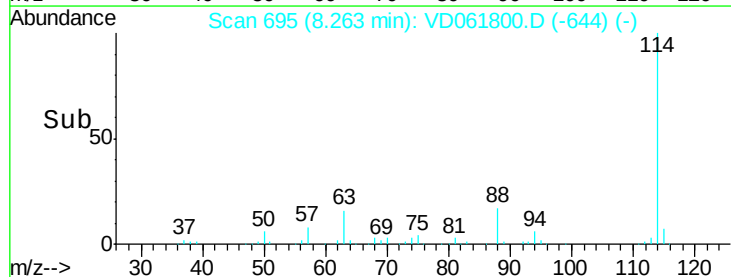
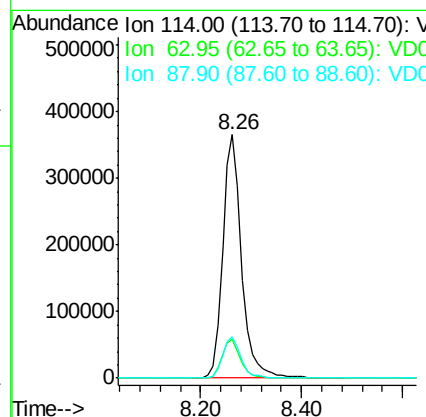
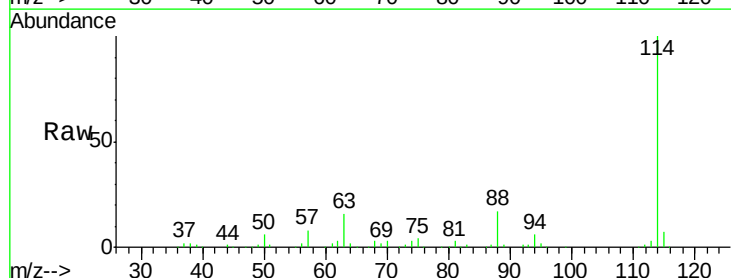
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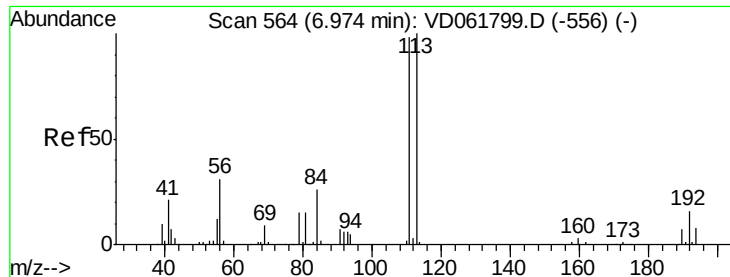
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 4/16/2019 3:12:57 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.26 min Scan# 695
 Delta R.T. -0.00 min
 Lab File: VD061800.D
 Acq: 15 Apr 2019 14:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	947840		
63	15.8	0.0	32.4	
88	16.9	0.0	33.6	





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.97 min Scan# 564

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Instrument :

MSVOA_D

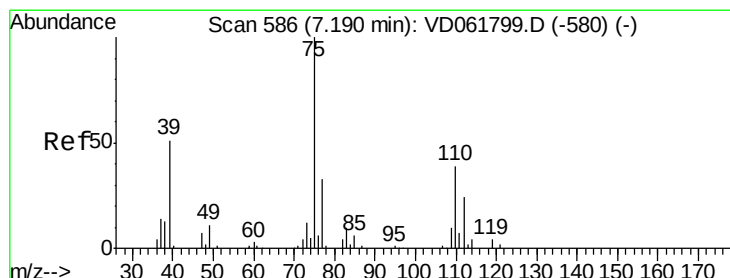
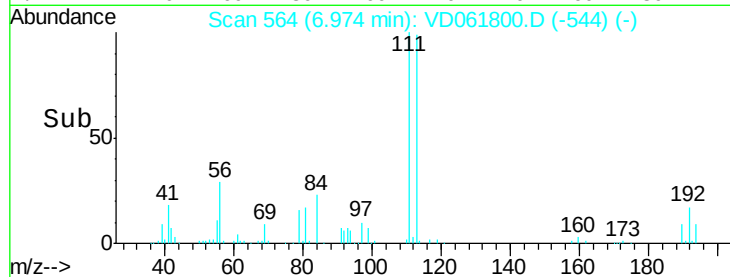
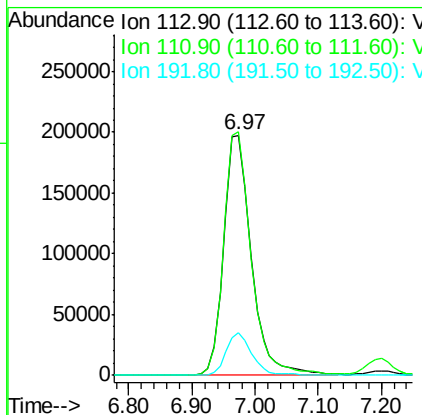
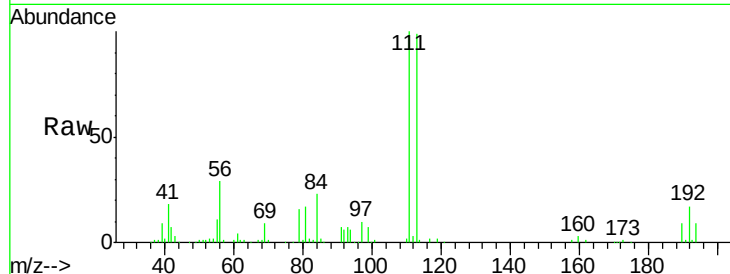
ClientSampleId :

VSTDIC075

Tot Ion:	113	Resp:	601814
Ion	Ratio	Lower	Upper
113	100		
111	101.5	78.5	117.7
192	17.6	13.0	19.4

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#36

1,1-Dichloropropene

Concen: 76.185 ug/l

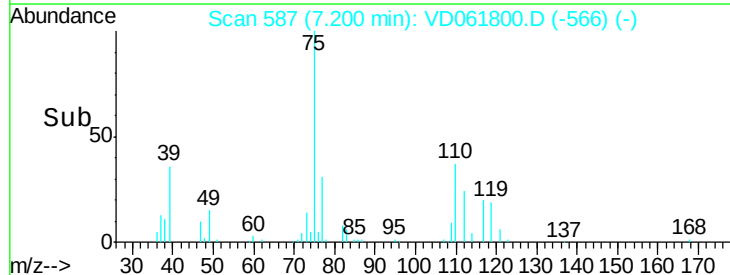
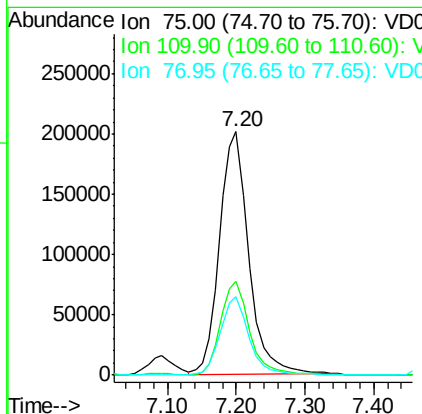
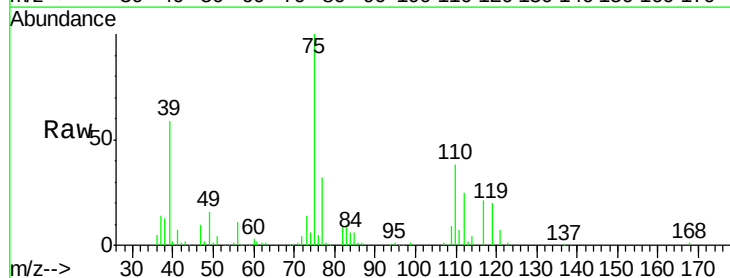
RT: 7.20 min Scan# 587

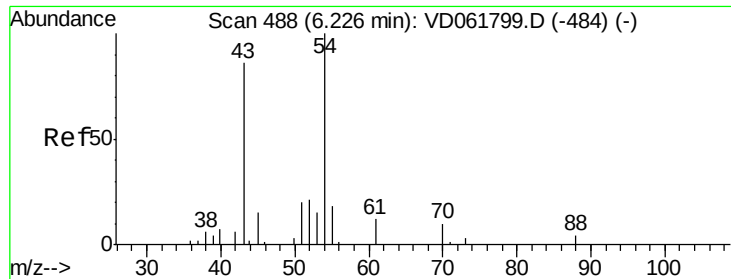
Delta R.T. 0.01 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Tgt Ion:	75	Resp:	590199
Ion	Ratio	Lower	Upper
75	100		
110	38.3	19.1	57.1
77	32.0	25.6	38.4





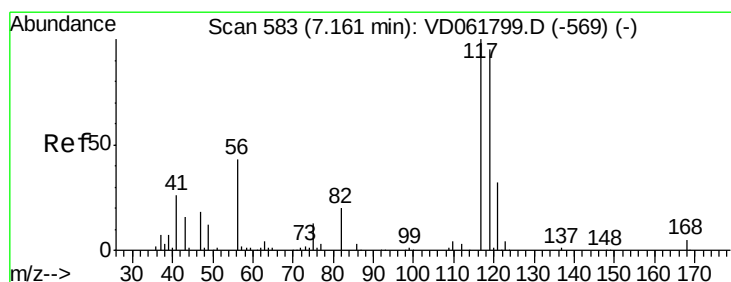
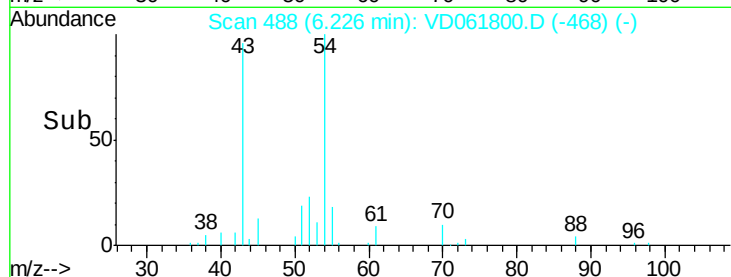
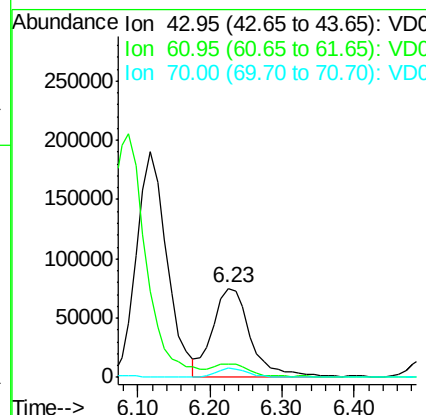
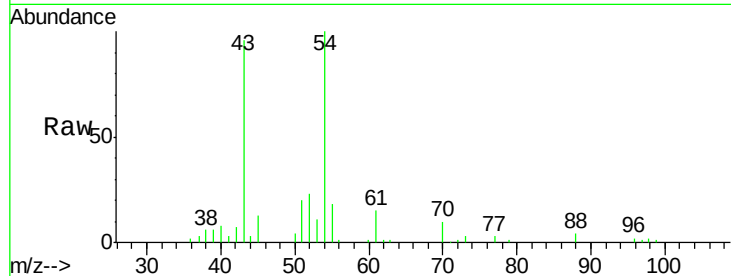
#37
Ethyl Acetate
Concen: 80.594 ug/l
RT: 6.23 min Scan# 488
Delta R.T. -0.00 min
Lab File: VD061800.D
Acq: 15 Apr 2019 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	14.7	22.1
70	10.1	7.8	11.6

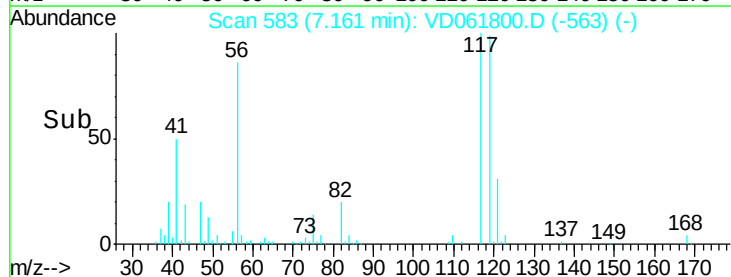
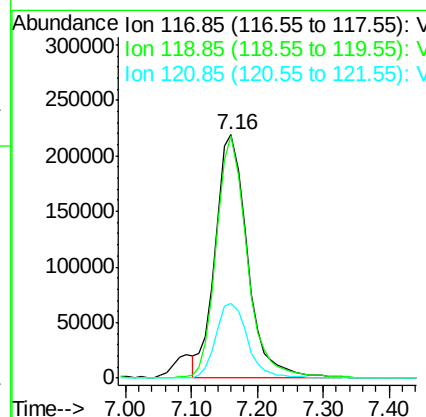
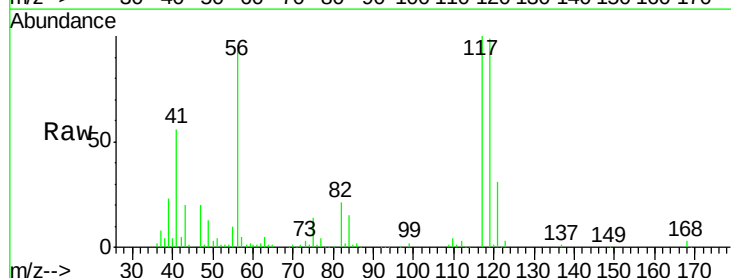
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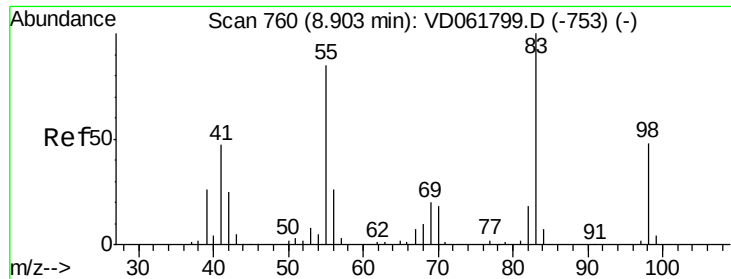
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#38
Carbon Tetrachloride
Concen: 72.765 ug/l m
RT: 7.16 min Scan# 583
Delta R.T. -0.00 min
Lab File: VD061800.D
Acq: 15 Apr 2019 14:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.5	75.8	113.8
121	30.8	25.9	38.9





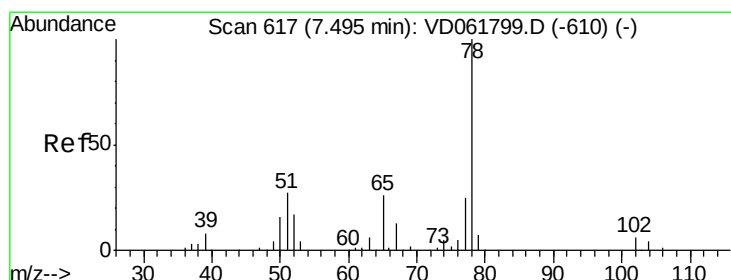
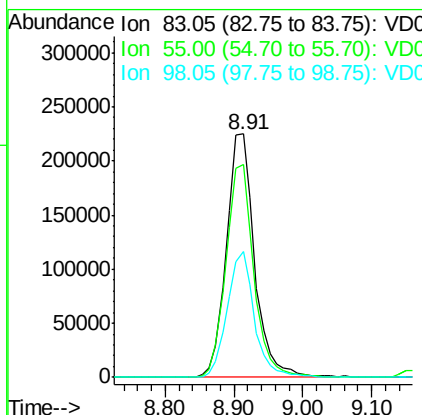
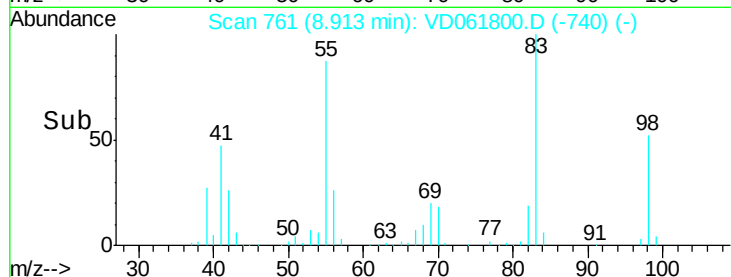
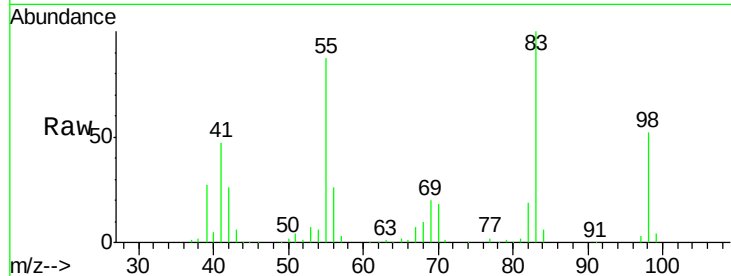
#39
Methylvlcyclohexane
Concen: 79.366 ug/l
RT: 8.91 min Scan# 761
Delta R.T. 0.01 min
Lab File: VD061800.D
Acq: 15 Apr 2019 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	83	Resp	638348
Ion Ratio	100	Lower	Upper
83	100		
55	87.3	68.2	102.4
98	51.5	38.2	57.4

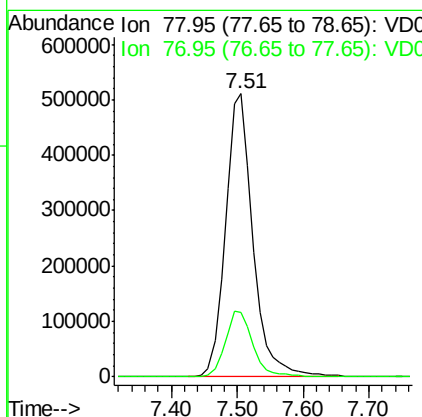
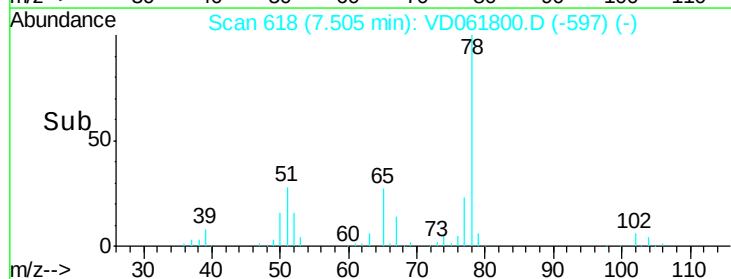
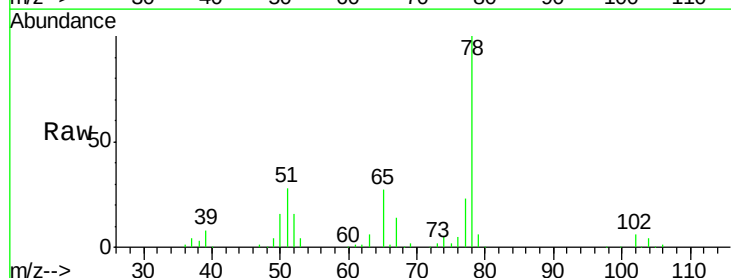
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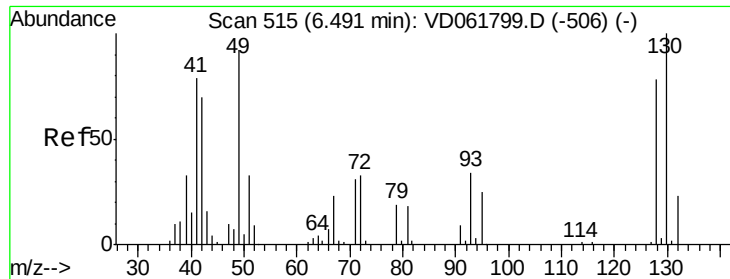
MMDadoda
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#40
Benzene
Concen: 79.699 ug/l
RT: 7.51 min Scan# 618
Delta R.T. 0.01 min
Lab File: VD061800.D
Acq: 15 Apr 2019 14:37

Tgt Ion	78	Resp	1482203
Ion Ratio	100	Lower	Upper
78	100		
77	22.8	19.7	29.5





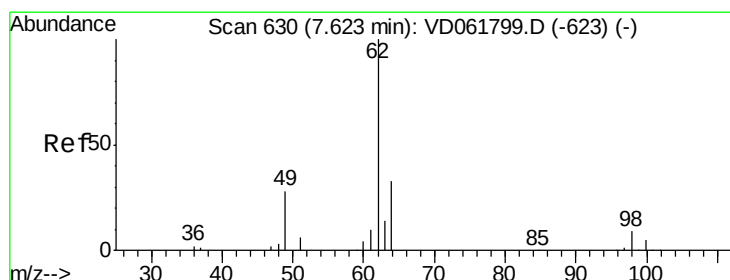
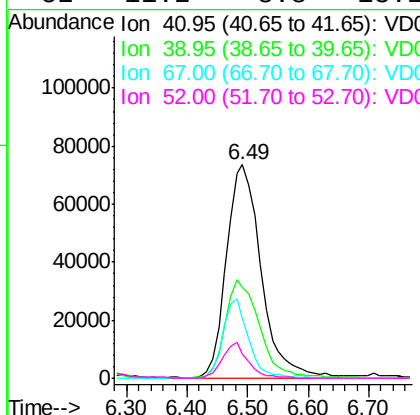
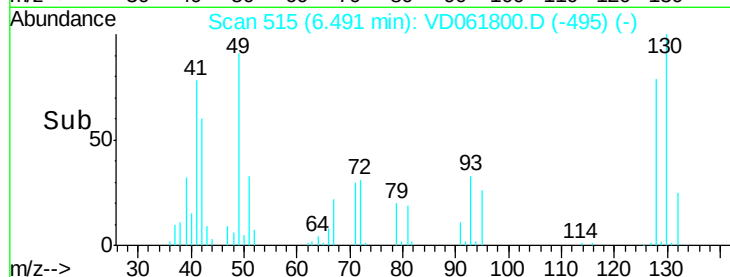
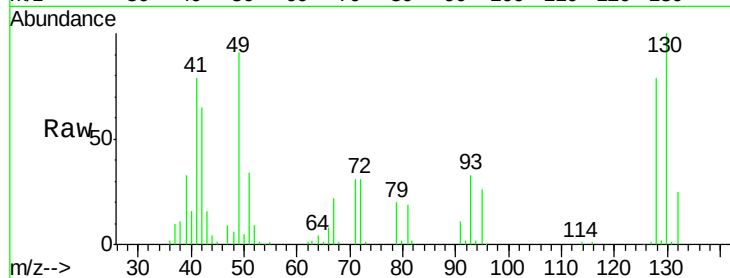
#41
Methacrylonitrile
Concen: 75.100 ug/l
RT: 6.49 min Scan# 515
Delta R.T. -0.00 min
Lab File: VD061800.D
Acq: 15 Apr 2019 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		294253		
39	42.4	34.1	51.1		
67	27.9	23.8	35.6		
52	11.2	8.8	13.2		

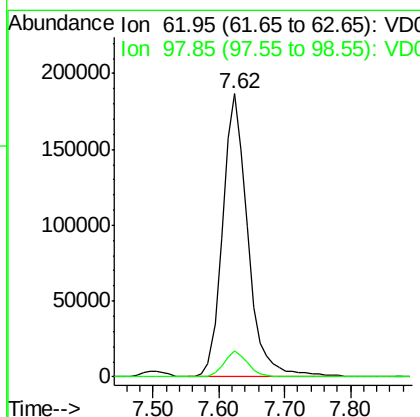
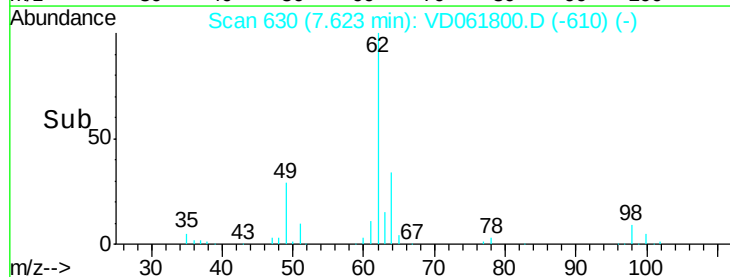
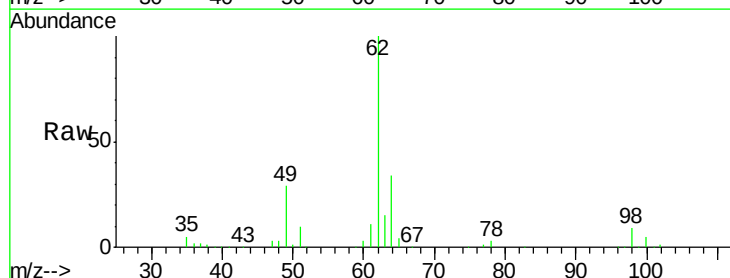
Manual Integrations
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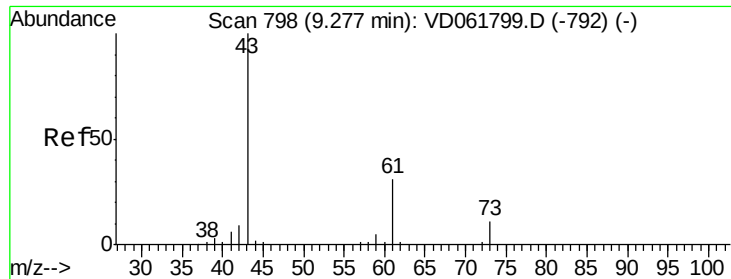
MMDadoda
4/16/2019 3:12:57 PM



#42
1,2-Dichloroethane
Concen: 76.719 ug/l
RT: 7.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VD061800.D
Acq: 15 Apr 2019 14:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		496846		
98	9.4	0.0	17.8		





#43

Isopropyl Acetate

Concen: 79.897 ug/l

RT: 9.28 min Scan# 798

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Instrument :

MSVOA_D

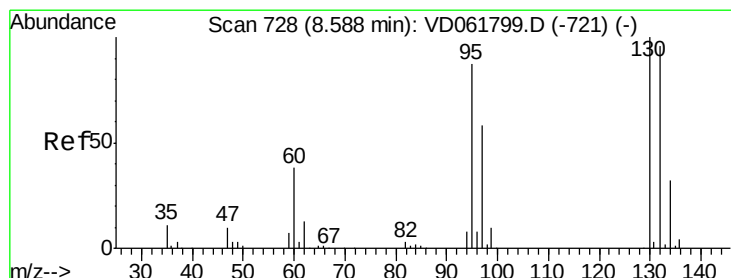
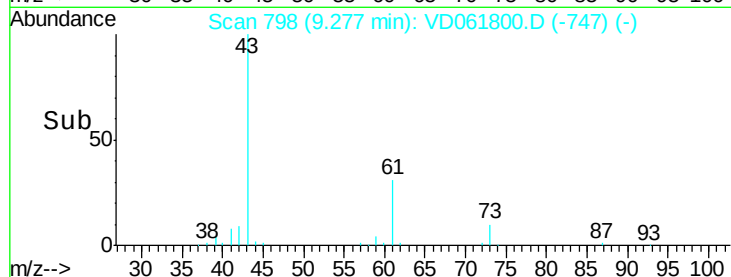
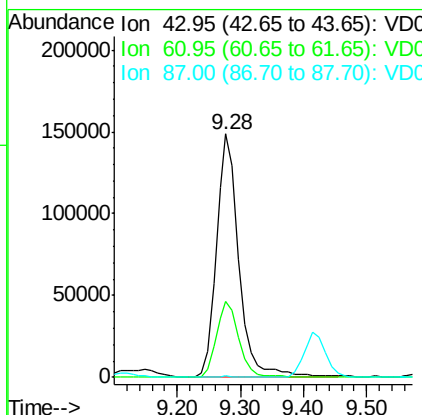
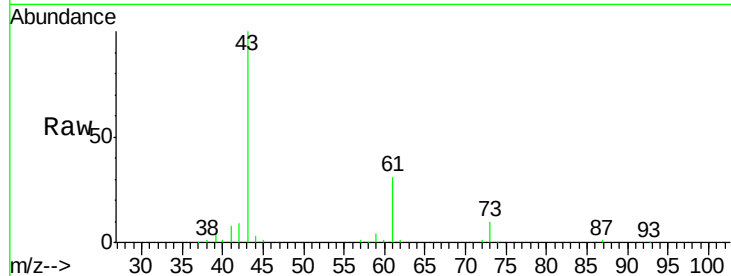
ClientSampleId :

VSTDIC075

Tot Ion:	43	Resp:	372713
Ion	Ratio	Lower	Upper
43	100		
61	31.4	25.1	37.7
87	0.5	0.0	0.0#

Manual Integrations
APPROVED

MMDadoda
4/16/2019 3:12:57 PM



#44

Trichloroethene

Concen: 80.238 ug/l

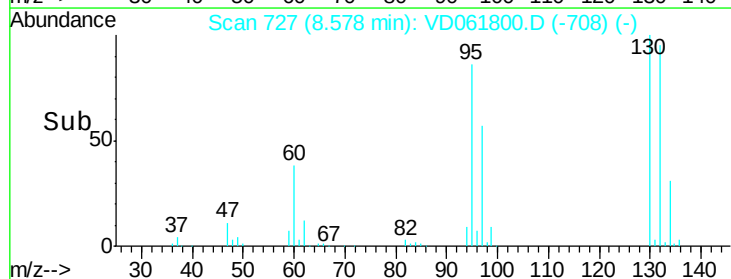
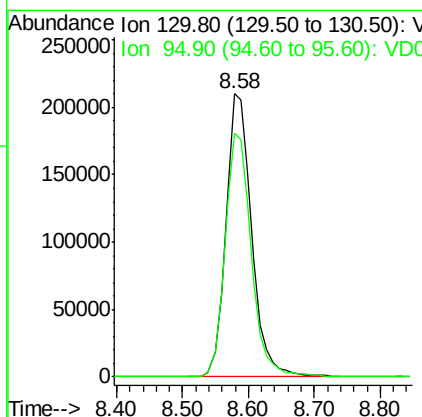
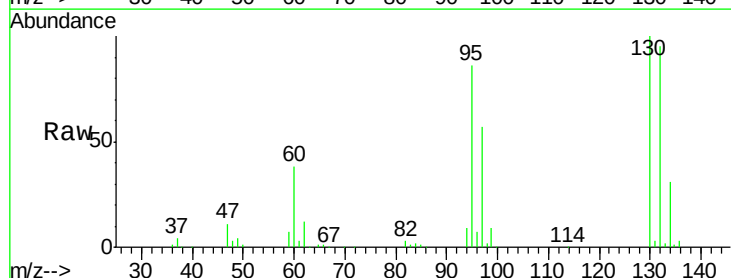
RT: 8.58 min Scan# 727

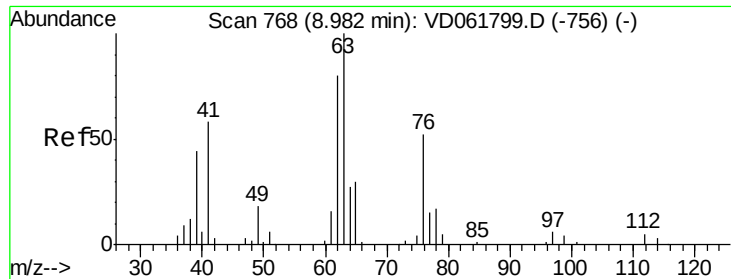
Delta R.T. -0.01 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Tgt Ion:	130	Resp:	574372
Ion	Ratio	Lower	Upper
130	100		
95	86.0	0.0	174.0





#45

1,2-Dichloropropane

Concen: 80.186 ug/l

RT: 8.98 min Scan# 768

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 63 Resp: 388384

Ion Ratio Lower Upper

63 100

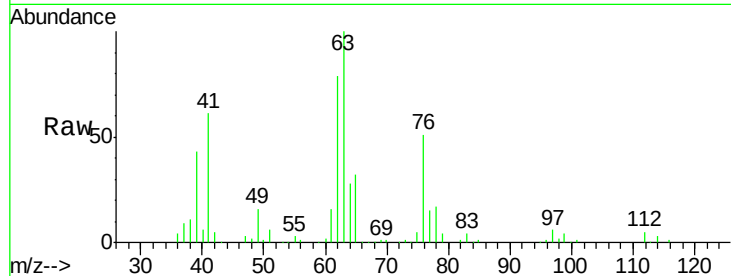
65 32.3 23.8 35.6

Manual Integrations

APPROVED

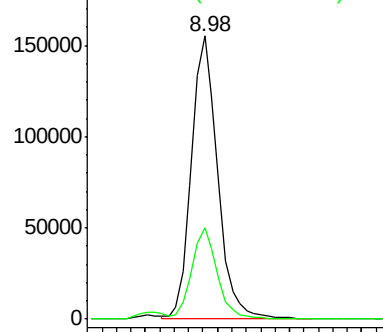
MMDadoda

4/16/2019 3:12:57 PM

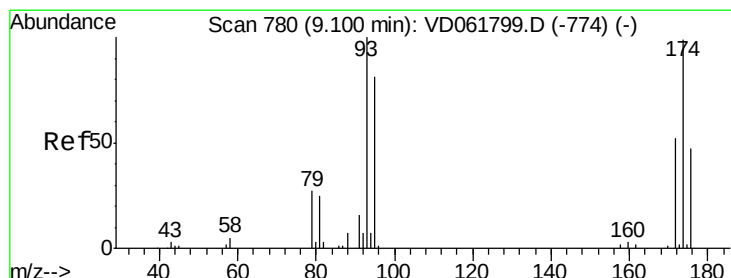
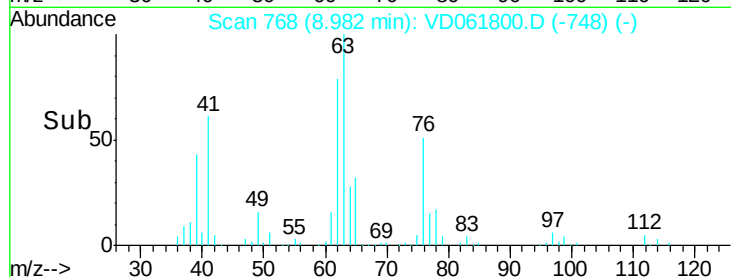


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



Time-->



#46

Dibromomethane

Concen: 79.708 ug/l

RT: 9.10 min Scan# 780

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

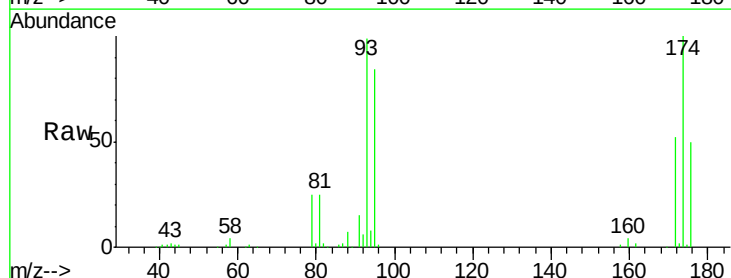
Tgt Ion: 93 Resp: 275089

Ion Ratio Lower Upper

93 100

95 84.7 64.8 97.2

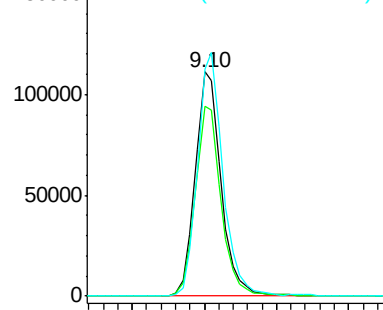
174 101.1 79.3 118.9



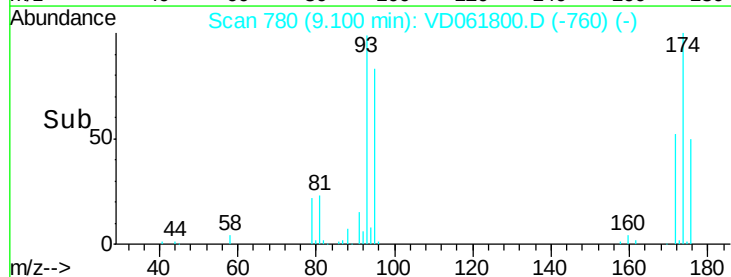
Abundance Ion 92.90 (92.60 to 93.60): VDC

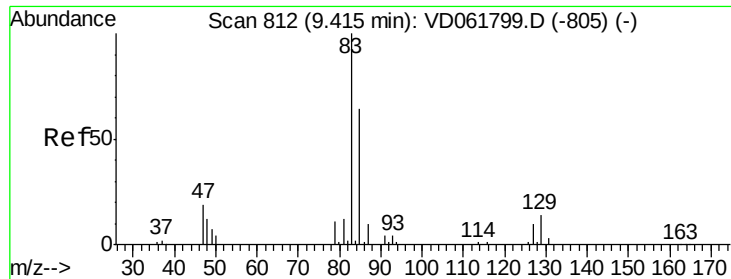
Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V



Time-->





#47

Bromodichloromethane

Concen: 81.027 ug/l

RT: 9.42 min Scan# 812

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Instrument :

MSVOA_D

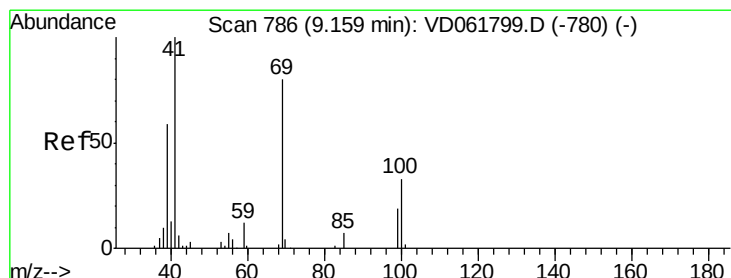
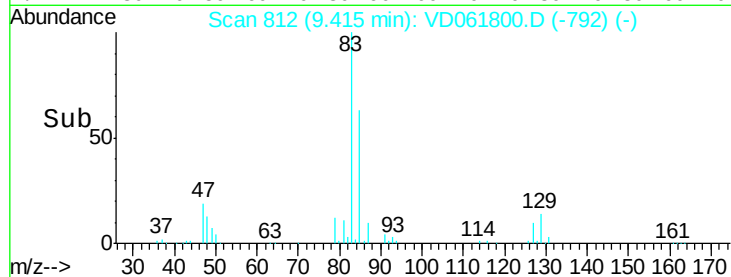
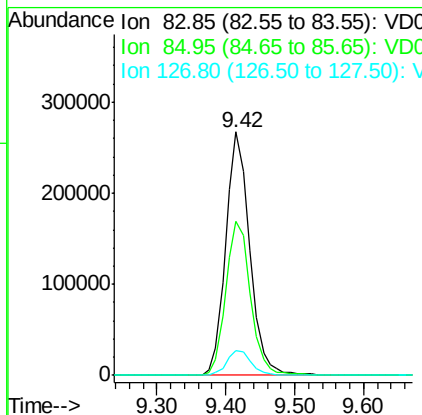
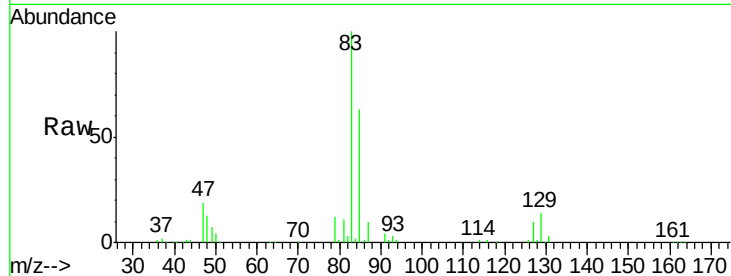
ClientSampleId :

VSTDIC075

Tot Ion:	83	Resp:	645140
Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.9	76.3
127	10.4	8.1	12.1

Manual Integrations
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MMDadoda
4/16/2019 3:12:57 PM



#48

Methyl methacrylate

Concen: 78.096 ug/l

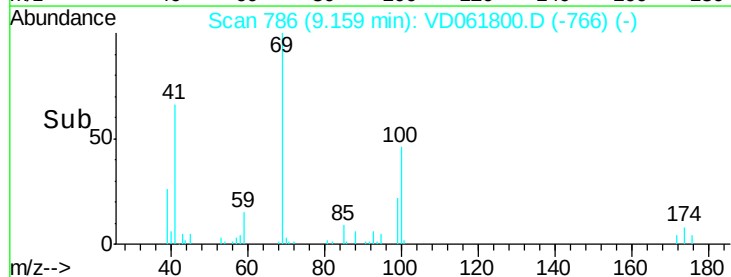
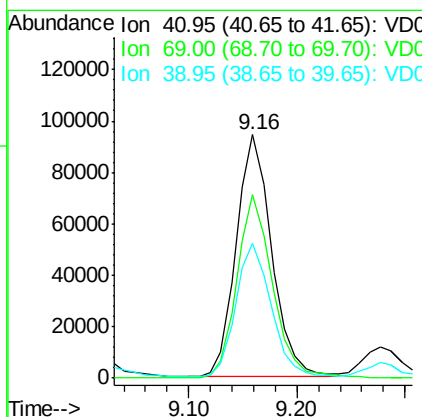
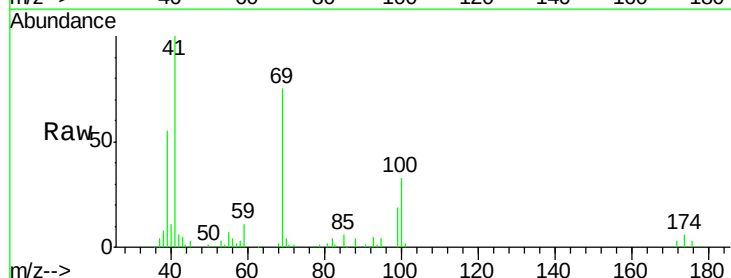
RT: 9.16 min Scan# 786

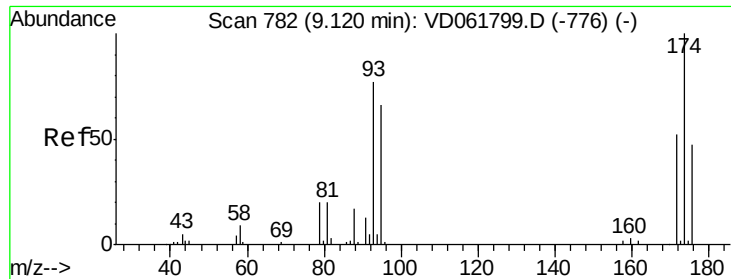
Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Tgt Ion:	41	Resp:	214149
Ion	Ratio	Lower	Upper
41	100		
69	75.5	64.2	96.2
39	55.3	46.8	70.2





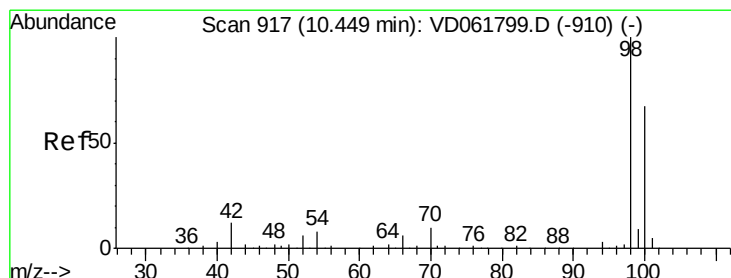
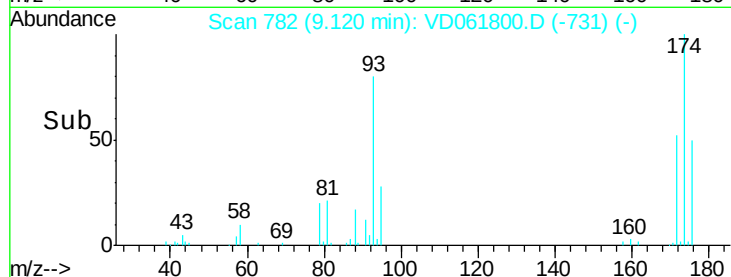
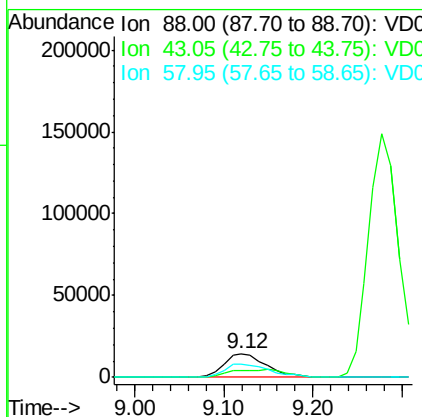
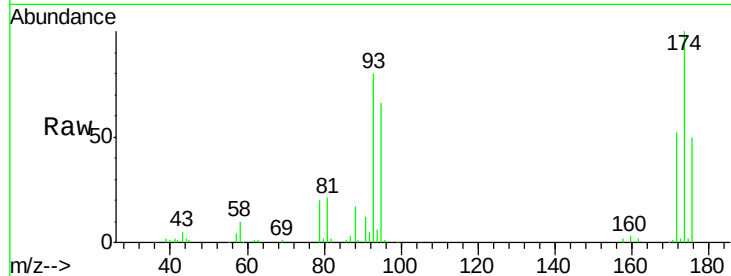
#49
1,4-Dioxane
Concen: 1616.197 ug/l
RT: 9.12 min Scan# 782
Delta R.T. -0.00 min
Lab File: VD061800.D
Acq: 15 Apr 2019 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.8	23.4	35.0
58	56.4	44.0	66.0

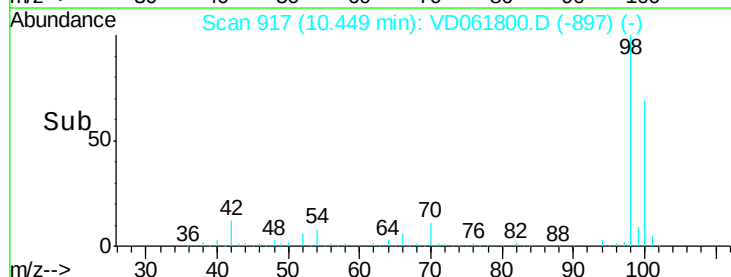
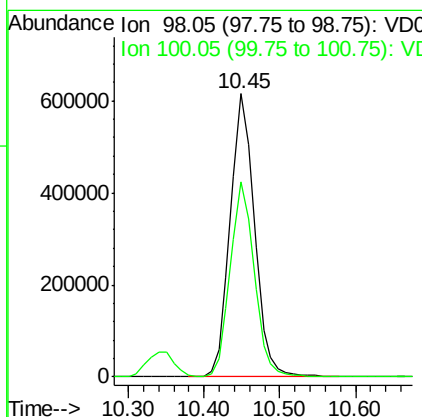
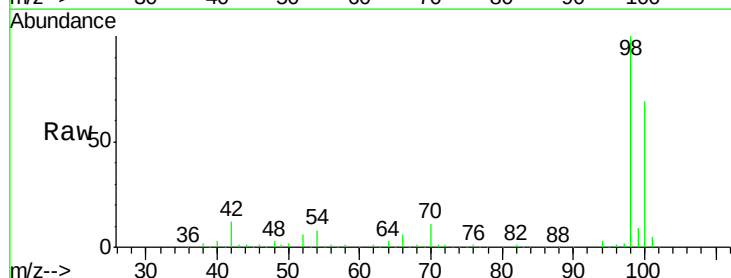
Manual Integrations
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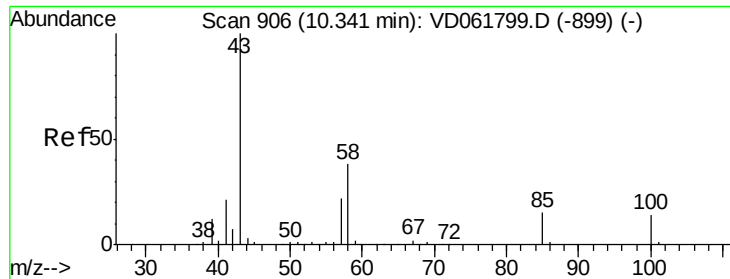
MMDadoda
4/16/2019 3:12:57 PM



#50
Toluene-d8
Concen: 1616.197 ug/l
RT: 10.45 min Scan# 917
Delta R.T. -0.00 min
Lab File: VD061800.D
Acq: 15 Apr 2019 14:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.7	53.8	80.8





#51

4-Methyl-2-Pentanone

Concen: 376.941 ug/l

RT: 10.34 min Scan# 906

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Tot Ion: 43 Resp: 1075328

Ion Ratio Lower Upper

43 100

58 38.0 30.4 45.6

Instrument :

MSVOA_D

ClientSampleId :

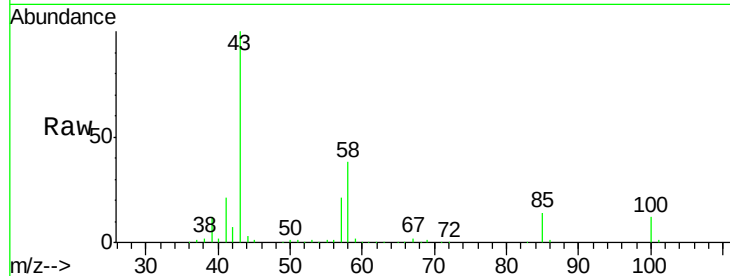
VSTDIC075

Manual Integrations

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MMDadoda

4/16/2019 3:12:57 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.34

400000

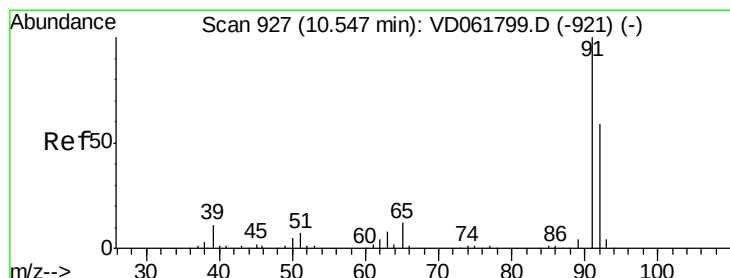
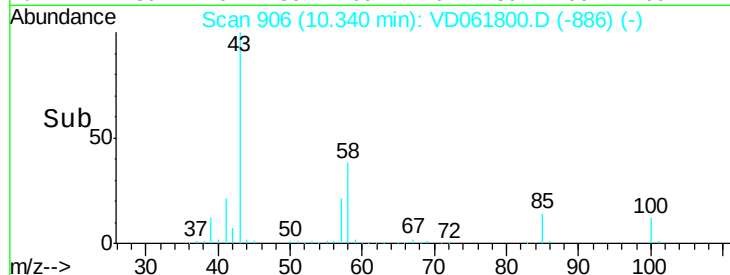
300000

200000

100000

0

Time--> 10.20 10.30 10.40



#52

Toluene

Concen: 81.266 ug/l

RT: 10.55 min Scan# 927

Delta R.T. -0.00 min

Lab File: VD061800.D

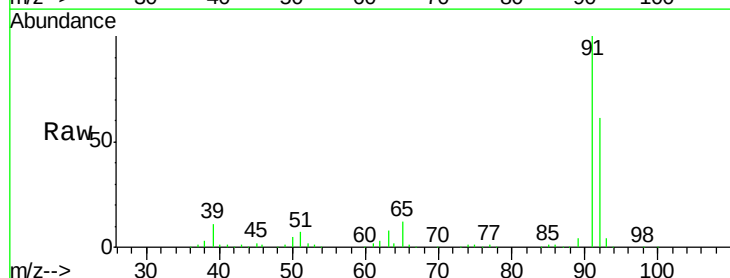
Acq: 15 Apr 2019 14:37

Tgt Ion: 92 Resp: 968387

Ion Ratio Lower Upper

92 100

91 164.5 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

800000

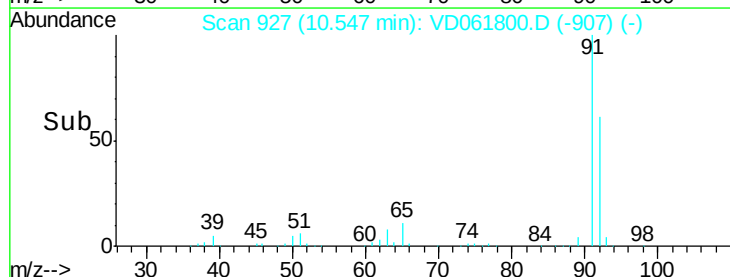
600000

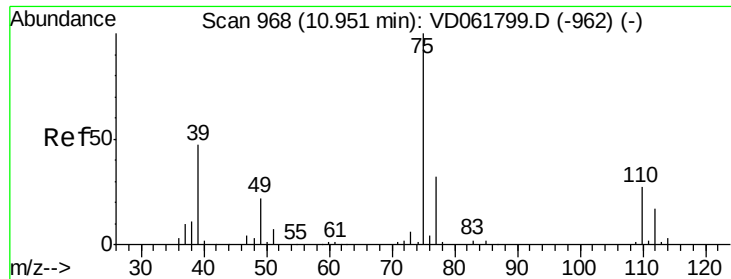
400000

200000

0

Time--> 10.40 10.60





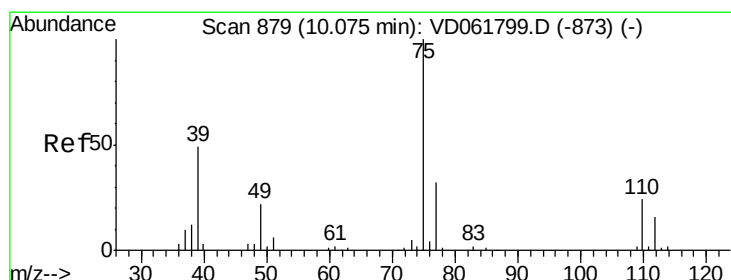
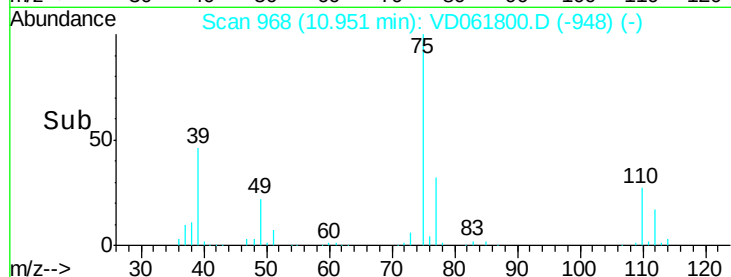
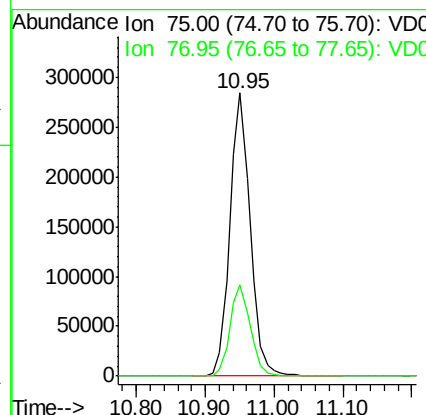
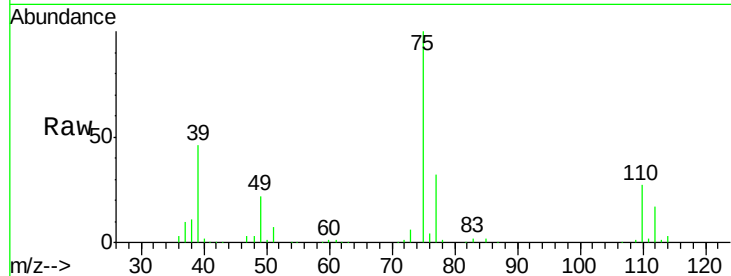
#53
t-1,3-Dichloropropene
Concen: 80.721 ug/l
RT: 10.95 min Scan# 968
Delta R.T. -0.00 min
Lab File: VD061800.D
Acq: 15 Apr 2019 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.8	38.8

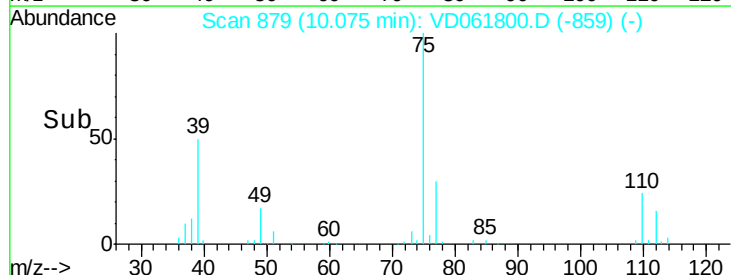
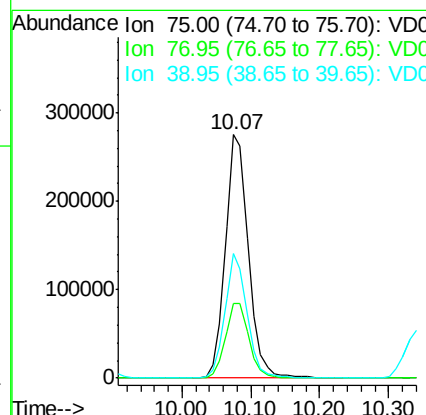
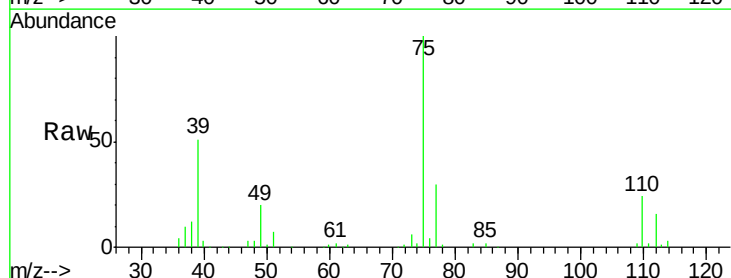
Manual Integrations
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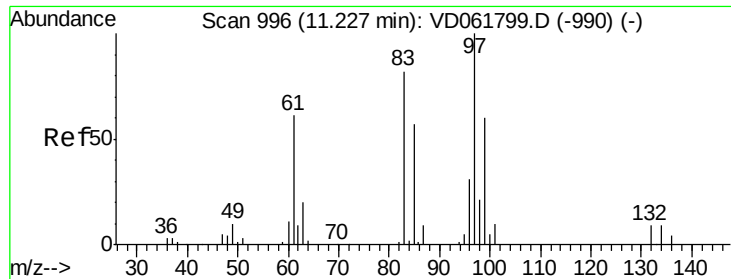
MMDadoda
4/16/2019 3:12:57 PM



#54
cis-1,3-Dichloropropene
Concen: 75.406 ug/l
RT: 10.07 min Scan# 879
Delta R.T. -0.00 min
Lab File: VD061800.D
Acq: 15 Apr 2019 14:37

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.5	38.3
39	51.0	39.4	59.2





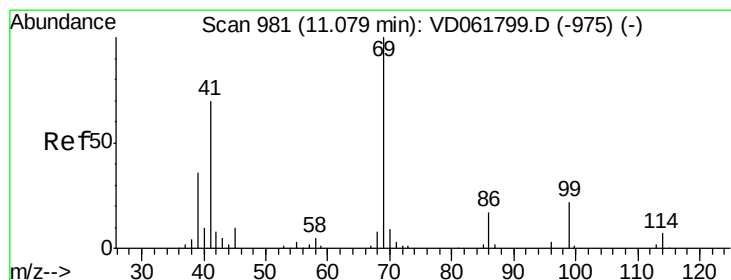
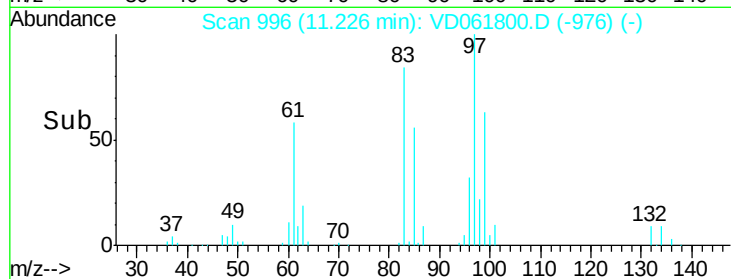
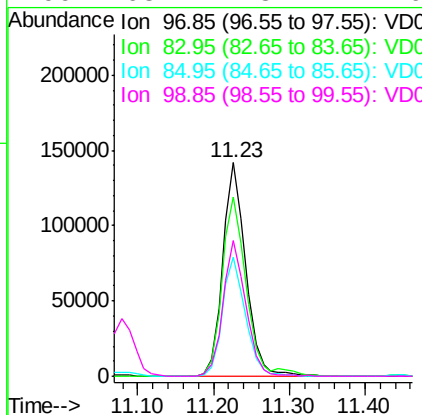
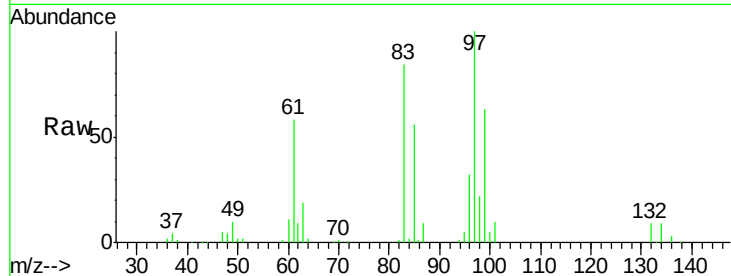
#55
 1,1,2-Trichloroethane
 Concen: 74.391 ug/l
 RT: 11.23 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: VD061800.D
 Acq: 15 Apr 2019 14:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:	97	Resp:	298704
Ion	Ratio	Lower	Upper
97	100		
83	83.9	65.7	98.5
85	55.8	45.6	68.4
99	63.4	48.4	72.6

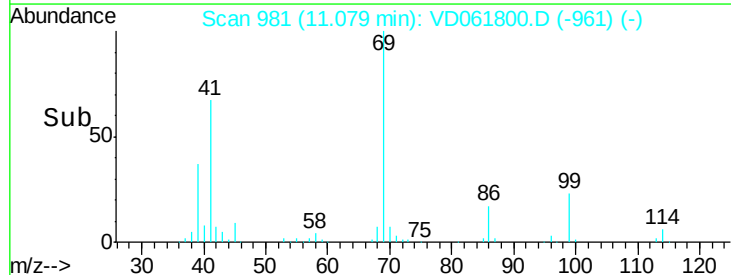
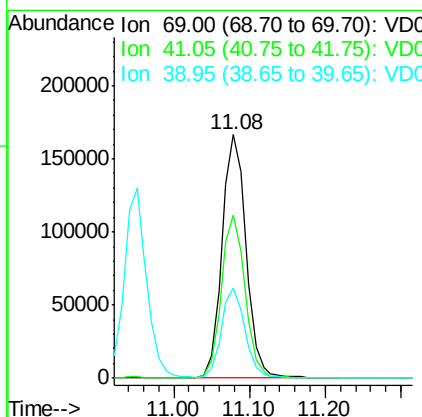
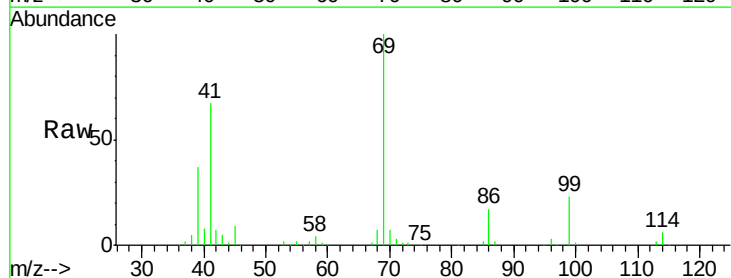
Manual Integrations
 APPROVED

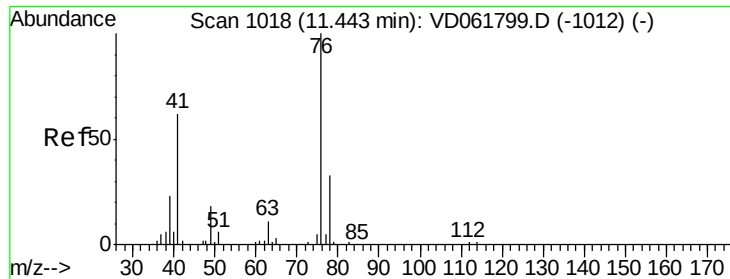
MMDadoda
 4/16/2019 3:12:57 PM



#56
 Ethyl methacrylate
 Concen: 82.759 ug/l
 RT: 11.08 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VD061800.D
 Acq: 15 Apr 2019 14:37

Tgt Ion:	69	Resp:	364716
Ion	Ratio	Lower	Upper
69	100		
41	67.0	56.3	84.5
39	37.0	29.4	44.2





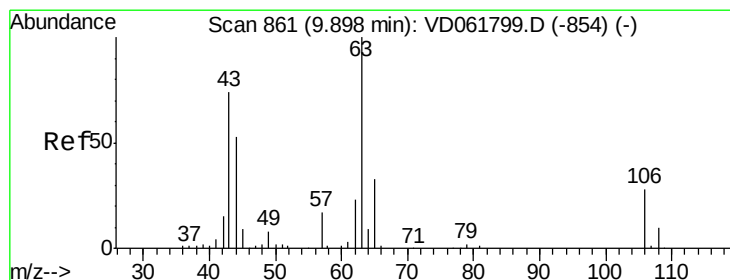
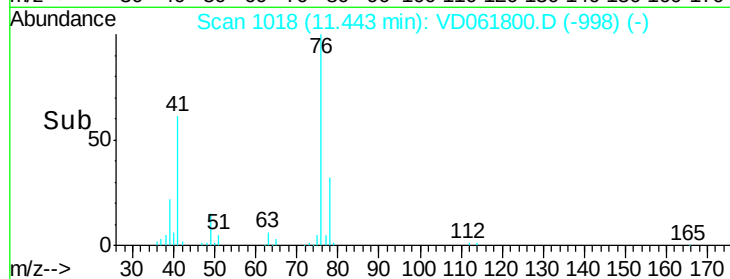
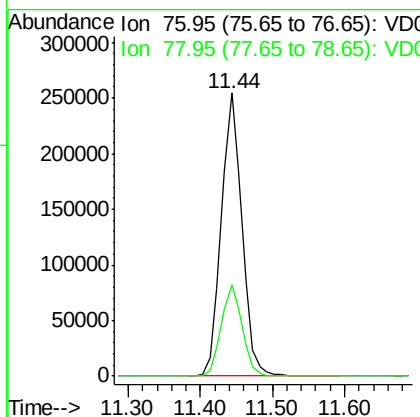
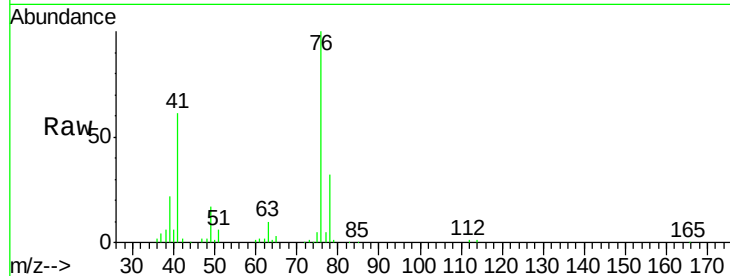
#57
 1,3-Dichloropropane
 Concen: 83.246 ug/l
 RT: 11.44 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VD061800.D
 Acq: 15 Apr 2019 14:37

Instrument :
 MSVOA_D
 ClientSampled :
 VSTDIC075

Tot Ion: 76 Resp: 502517
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.2 39.2

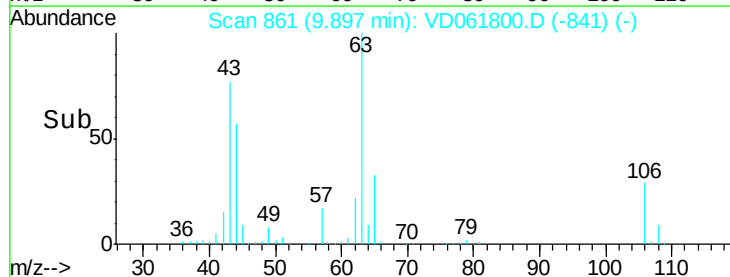
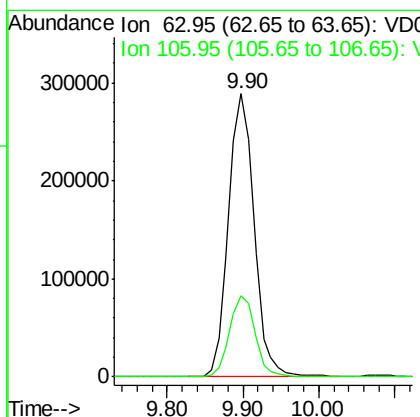
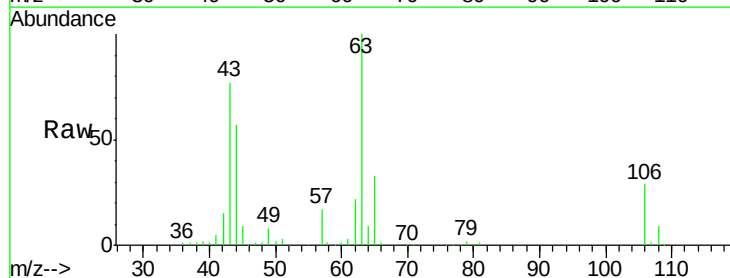
Manual Integrations
 APPROVED

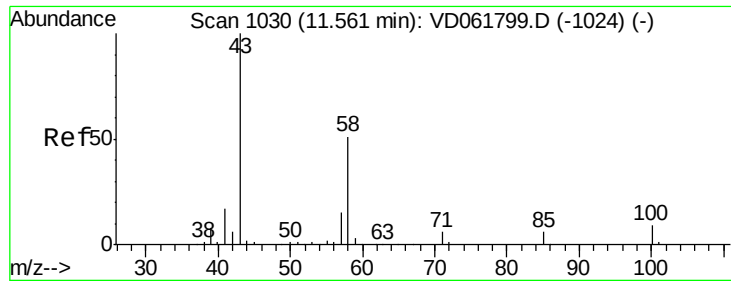
MMDadoda
 4/16/2019 3:12:57 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 323.448 ug/l
 RT: 9.90 min Scan# 861
 Delta R.T. -0.00 min
 Lab File: VD061800.D
 Acq: 15 Apr 2019 14:37

Tgt Ion: 63 Resp: 677994
 Ion Ratio Lower Upper
 63 100
 106 28.8 22.6 34.0





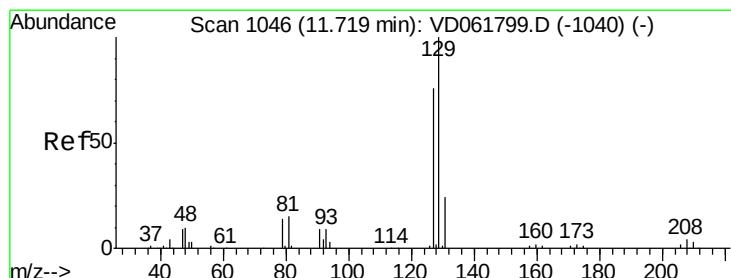
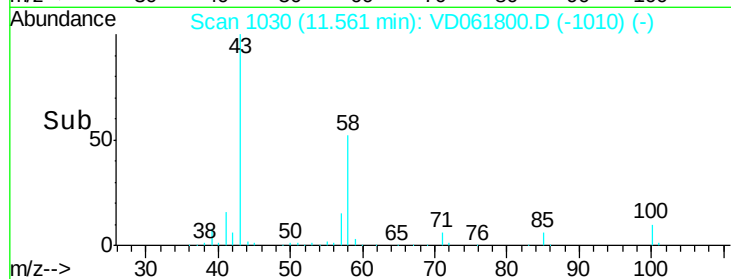
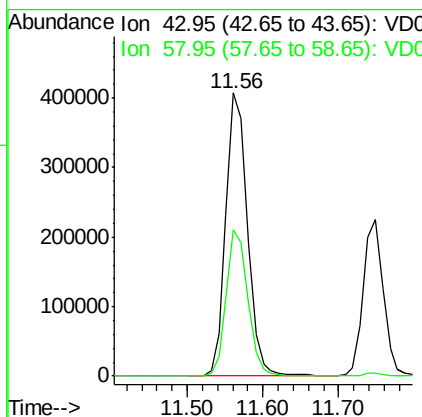
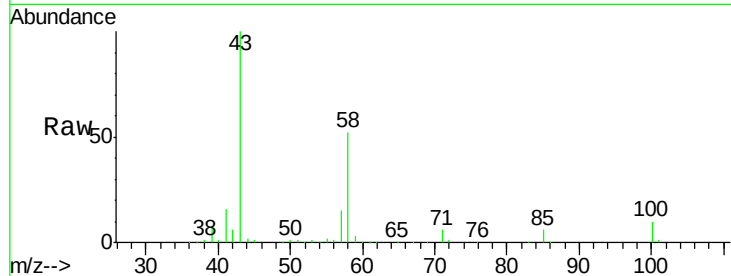
#59
2-Hexanone
Concen: 382.553 ug/l
RT: 11.56 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD061800.D
Acq: 15 Apr 2019 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 43 Resp: 810564
Ion Ratio Lower Upper
43 100
58 51.6 25.4 76.4

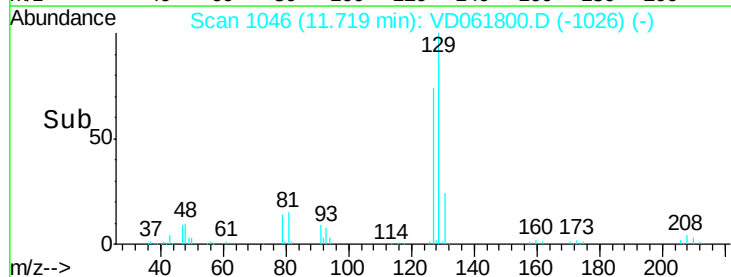
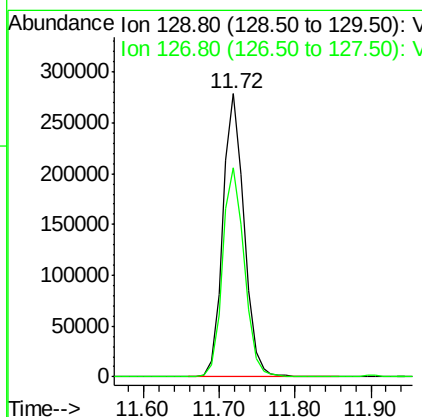
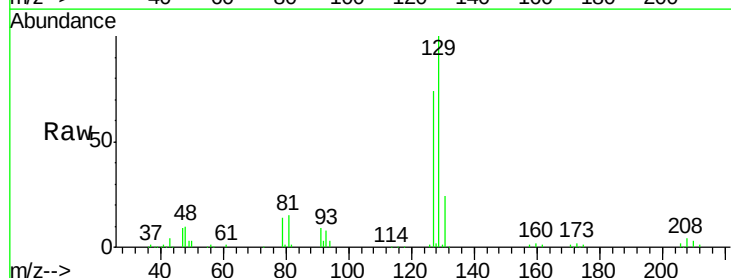
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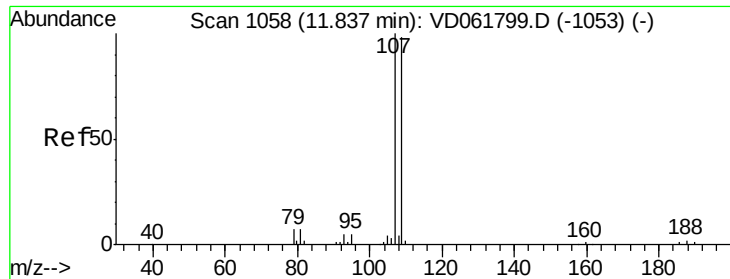
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#60
Dibromochloromethane
Concen: 82.371 ug/l
RT: 11.72 min Scan# 1046
Delta R.T. -0.00 min
Lab File: VD061800.D
Acq: 15 Apr 2019 14:37

Tgt Ion: 129 Resp: 541180
Ion Ratio Lower Upper
129 100
127 74.0 38.0 113.9





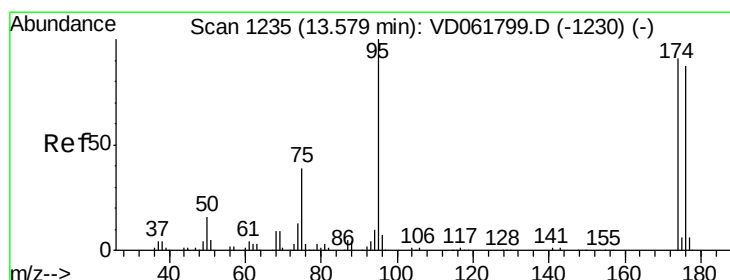
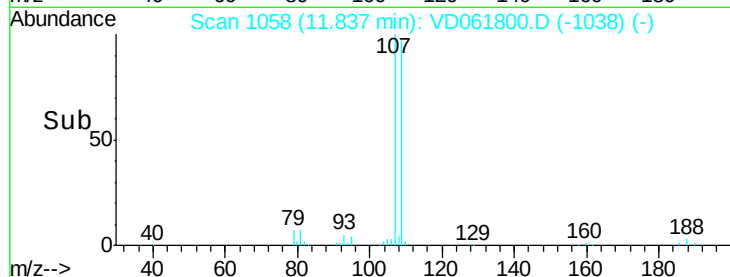
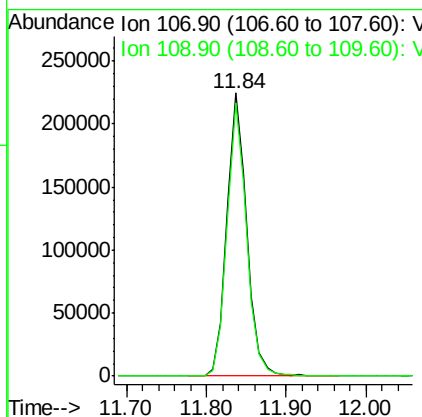
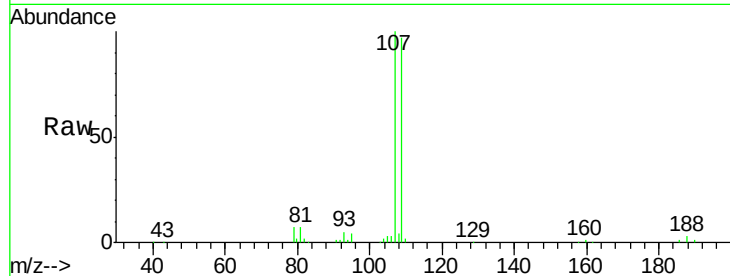
#61
 1,2-Dibromoethane
 Concen: 80.347 ug/l
 RT: 11.84 min Scan# 1058
 Delta R.T. -0.00 min
 Lab File: VD061800.D
 Acq: 15 Apr 2019 14:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.7	78.3	117.5

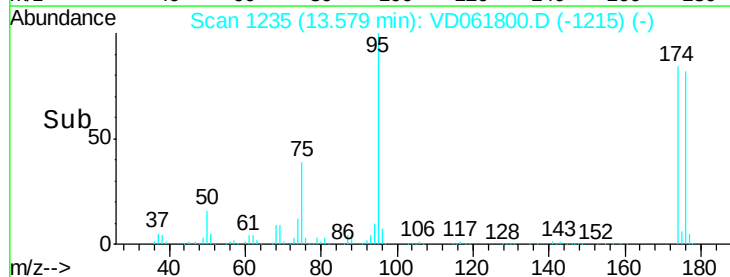
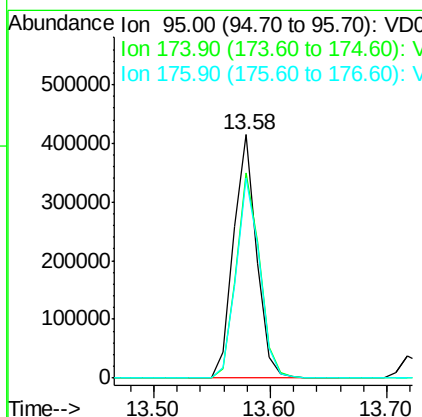
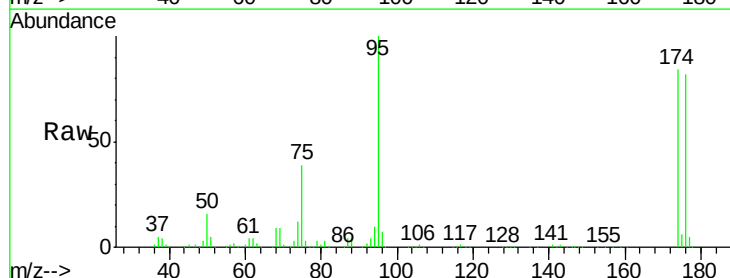
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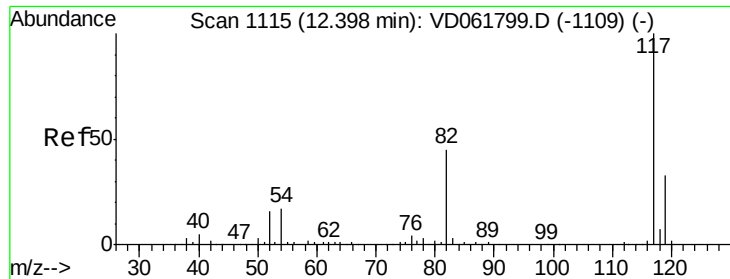
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#62
 4-Bromofluorobenzene
 Concen: 80.347 ug/l
 RT: 13.58 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VD061800.D
 Acq: 15 Apr 2019 14:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.2	0.0	181.8
176	82.4	0.0	174.4





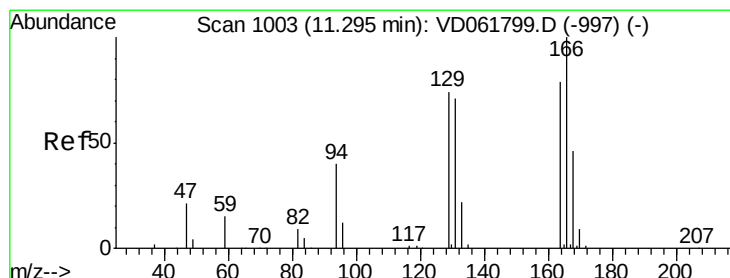
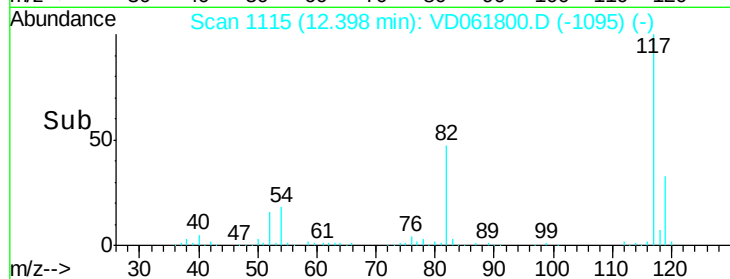
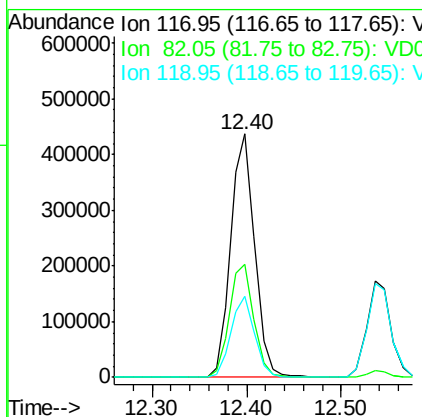
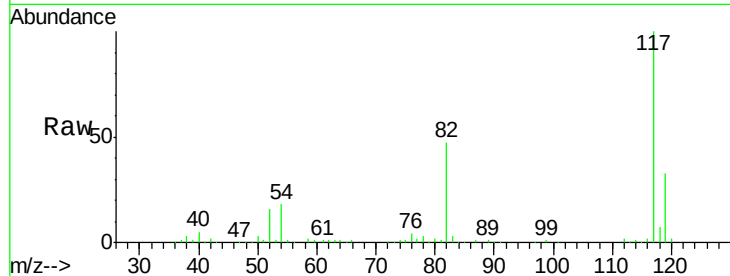
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD061800.D
Acq: 15 Apr 2019 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
117	100		
82	46.7	36.2	54.2
119	33.1	26.2	39.4

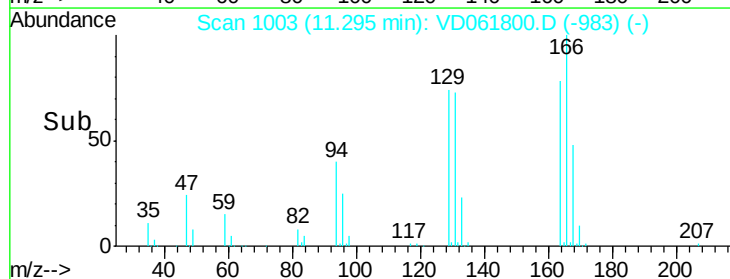
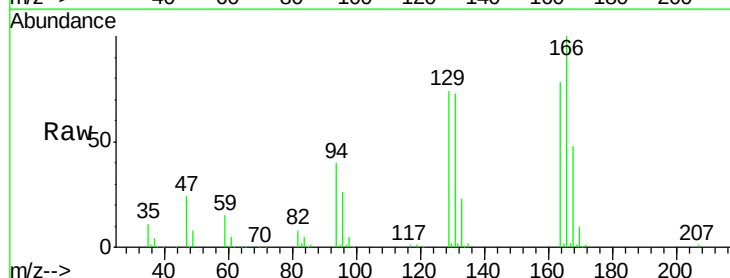
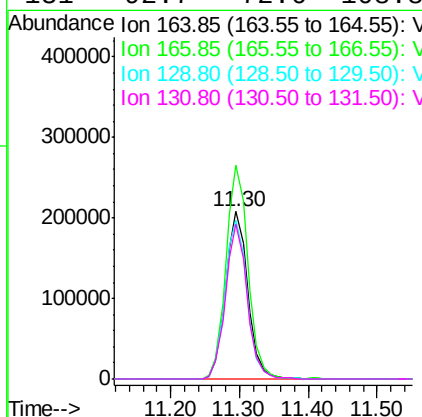
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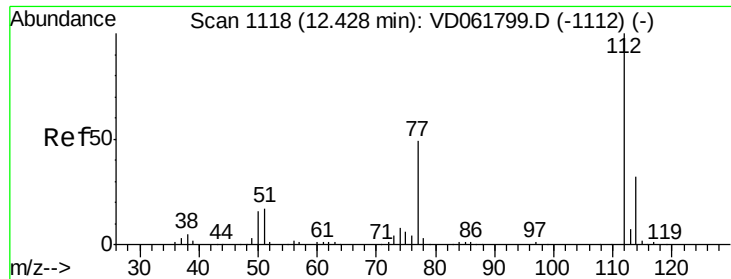
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#64
Tetrachloroethene
Concen: 80.549 ug/l
RT: 11.30 min Scan# 1003
Delta R.T. -0.00 min
Lab File: VD061800.D
Acq: 15 Apr 2019 14:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	101.5	152.3
129	95.0	74.6	112.0
131	92.7	72.6	108.8





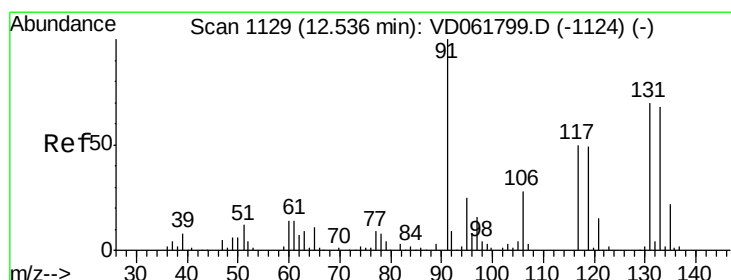
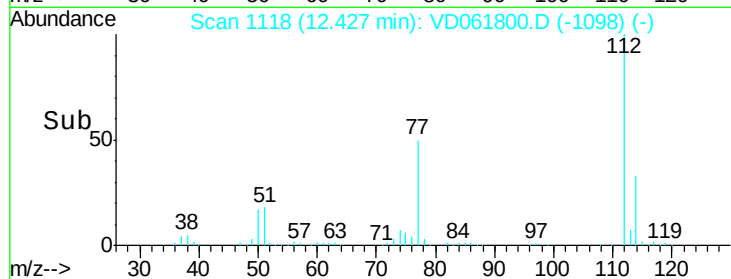
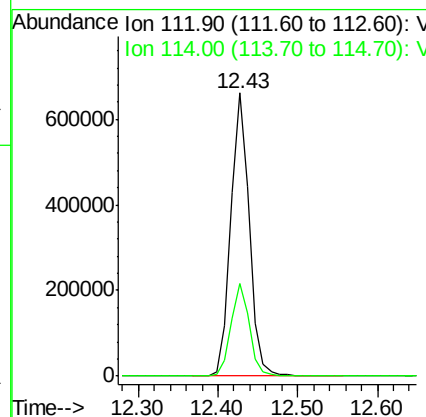
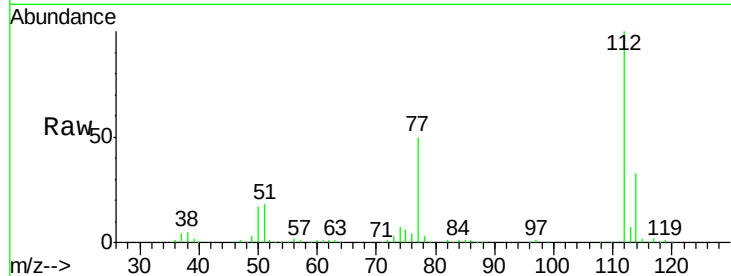
#65
Chlorobenzene
Concen: 76.027 ug/l
RT: 12.43 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VD061800.D
Acq: 15 Apr 2019 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:112 Resp: 1085861
Ion Ratio Lower Upper
112 100
114 32.8 25.8 38.8

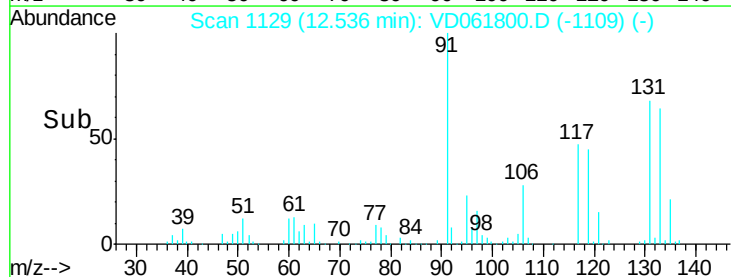
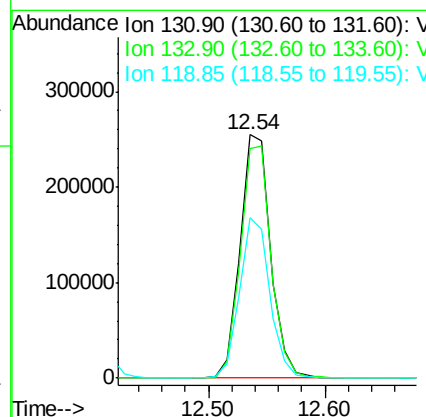
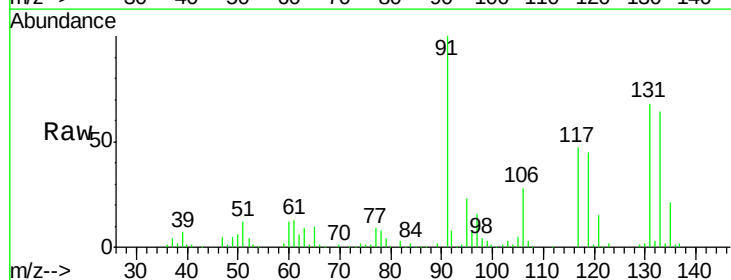
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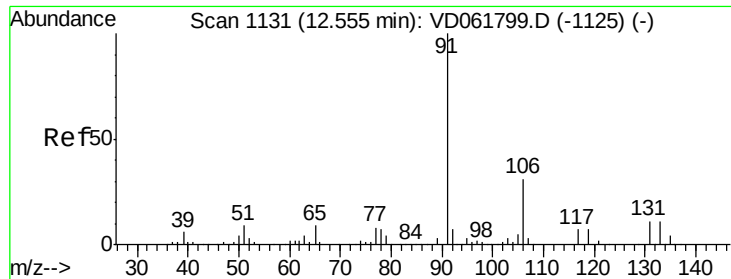
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#66
1,1,1,2-Tetrachloroethane
Concen: 77.115 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VD061800.D
Acq: 15 Apr 2019 14:37

Tgt Ion:131 Resp: 461561
Ion Ratio Lower Upper
131 100
133 94.3 48.6 145.8
119 66.0 34.7 104.1





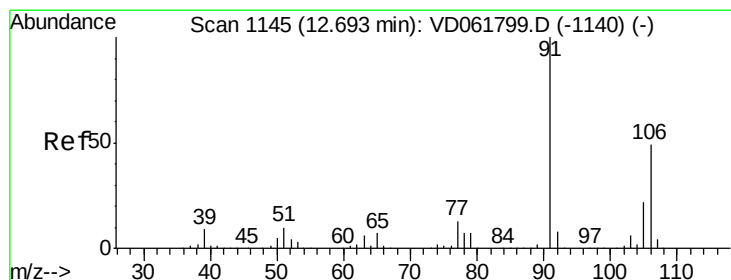
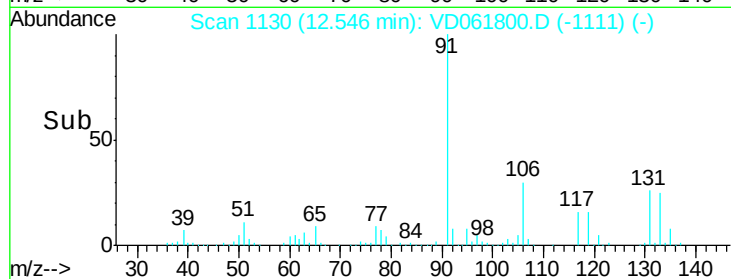
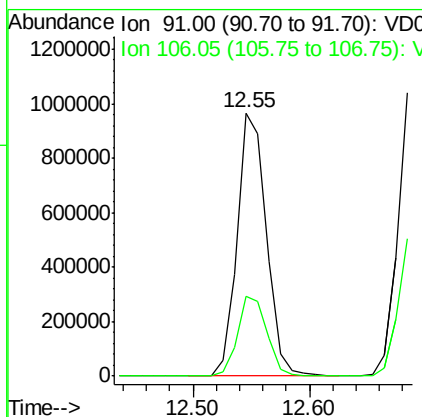
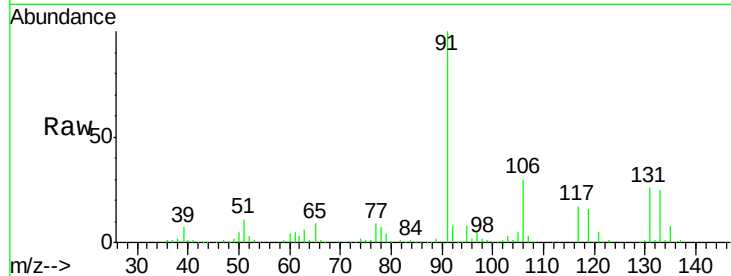
#67
Ethyl Benzene
Concen: 73.198 ug/l
RT: 12.55 min Scan# 1130
Delta R.T. -0.01 min
Lab File: VD061800.D
Acq: 15 Apr 2019 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 91 Resp: 1674228
Ion Ratio Lower Upper
91 100
106 30.3 24.7 37.1

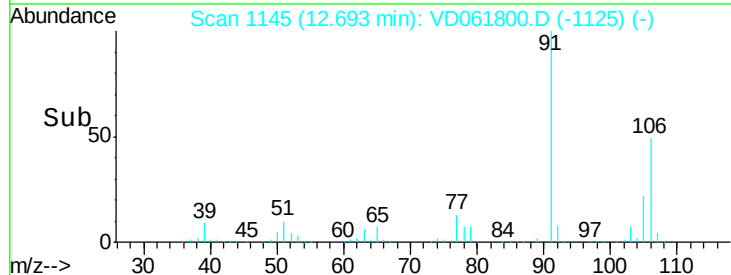
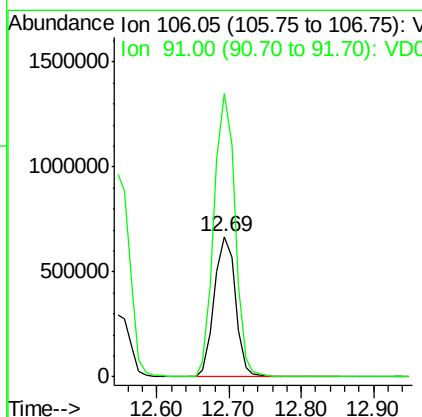
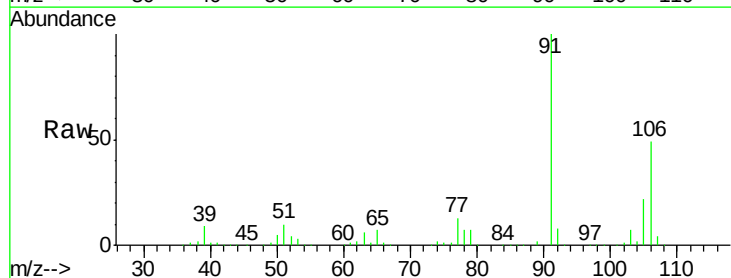
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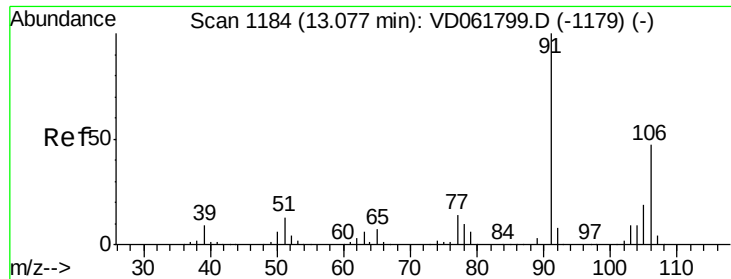
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#68
m/p-Xylenes
Concen: 156.649 ug/l
RT: 12.69 min Scan# 1145
Delta R.T. -0.00 min
Lab File: VD061800.D
Acq: 15 Apr 2019 14:37

Tgt Ion:106 Resp: 1345863
Ion Ratio Lower Upper
106 100
91 202.0 164.0 246.0





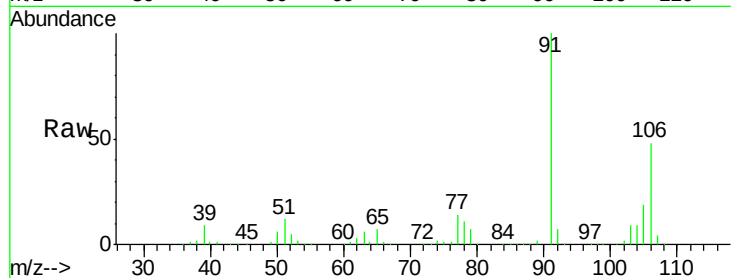
#69
o-Xylene
Concen: 78.242 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. -0.00 min
Lab File: VD061800.D
Acq: 15 Apr 2019 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

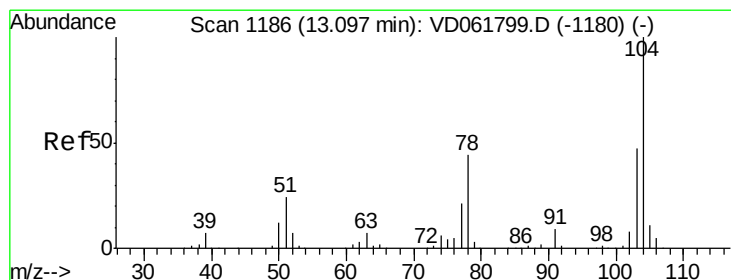
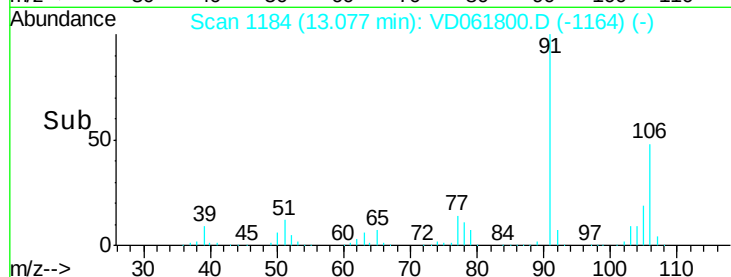
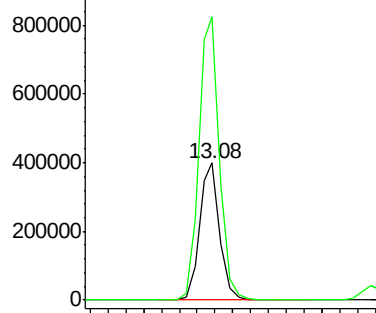
Tot Ion:106 Resp: 631839
Ion Ratio Lower Upper
106 100
91 206.6 106.7 319.9

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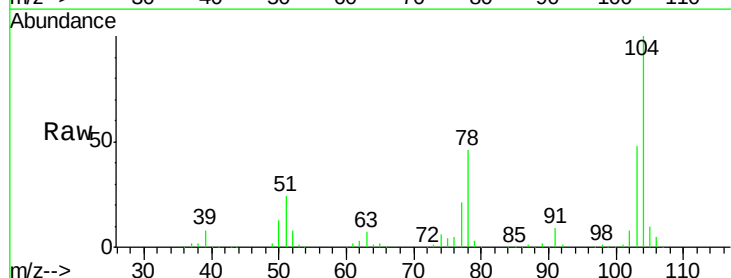


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

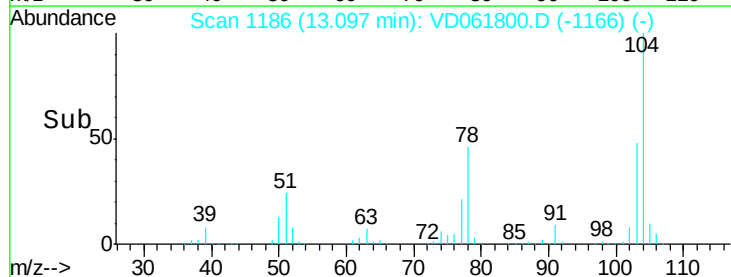
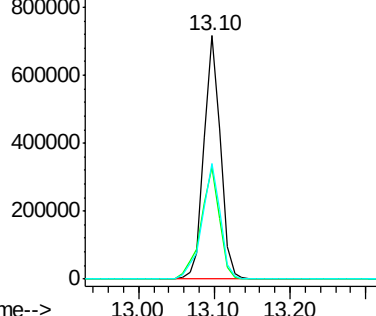


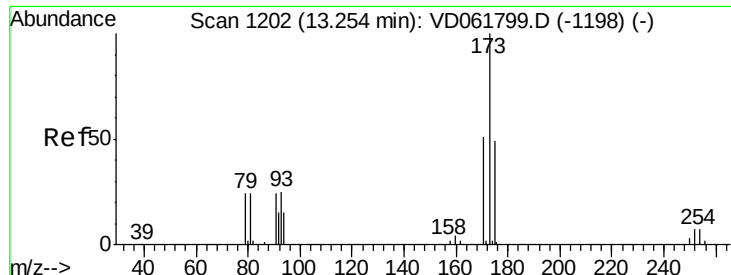
#70
Styrene
Concen: 76.567 ug/l
RT: 13.10 min Scan# 1186
Delta R.T. -0.00 min
Lab File: VD061800.D
Acq: 15 Apr 2019 14:37

Tgt Ion:104 Resp: 1064024
Ion Ratio Lower Upper
104 100
78 45.9 35.4 53.2
103 47.7 37.5 56.3



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: 78.339 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Instrument :

MSVOA_D

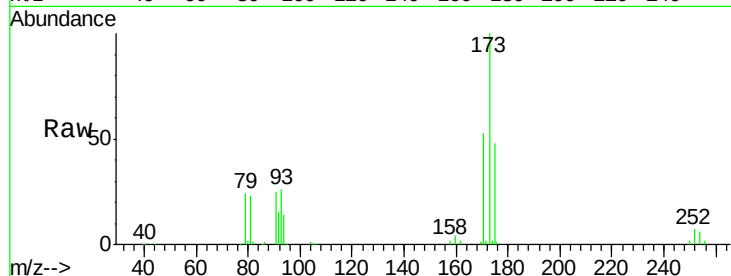
ClientSampleId :

VSTDIC075

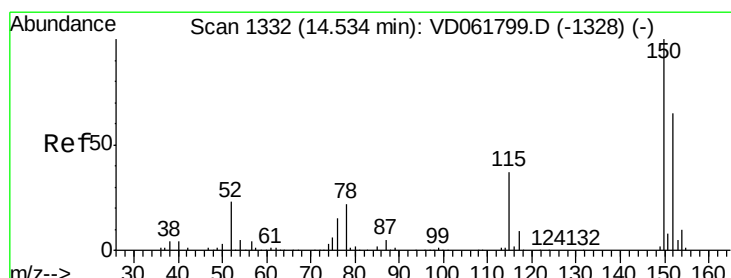
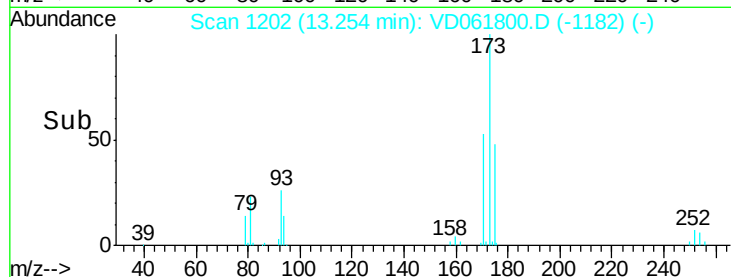
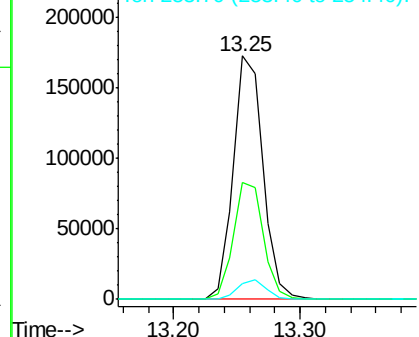
Tot Ion:	173	Resp:	278319
Ion Ratio	Lower	Upper	
173	100		
175	48.2	24.4	73.4
254	6.4	5.4	8.2

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Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

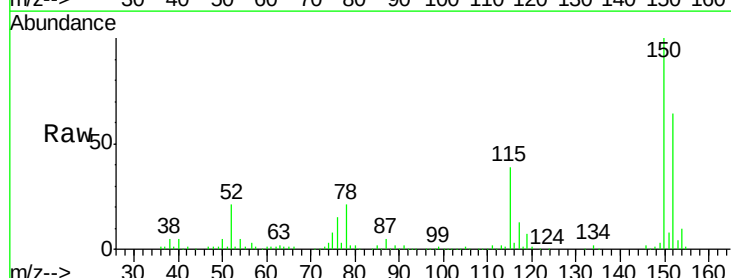
RT: 14.53 min Scan# 1332

Delta R.T. -0.00 min

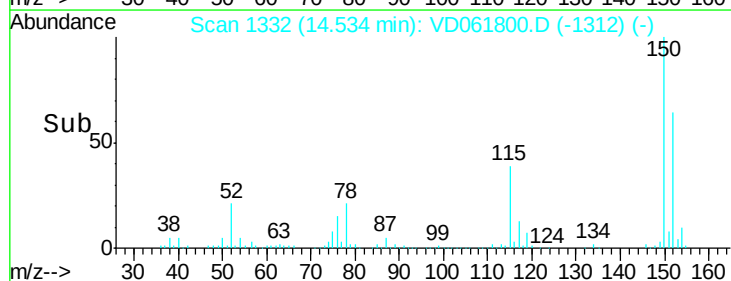
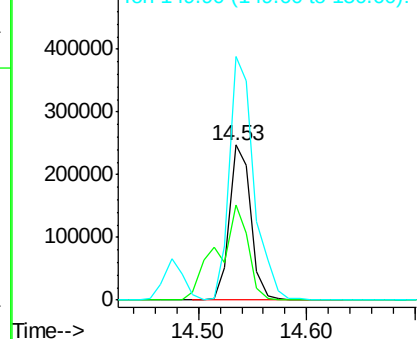
Lab File: VD061800.D

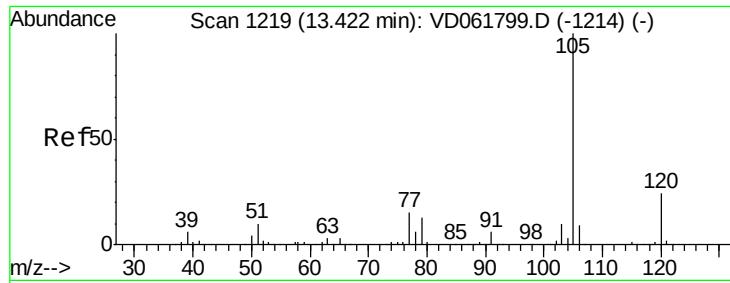
Acq: 15 Apr 2019 14:37

Tgt Ion:	152	Resp:	339043
Ion Ratio	Lower	Upper	
152	100		
115	61.3	30.9	92.7
150	157.1	0.0	314.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 78.036 ug/l

RT: 13.43 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:105 Resp: 1715856

Ion Ratio Lower Upper

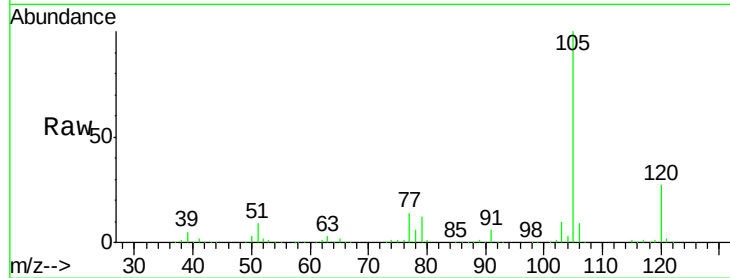
105 100

120 26.7 12.0 36.1

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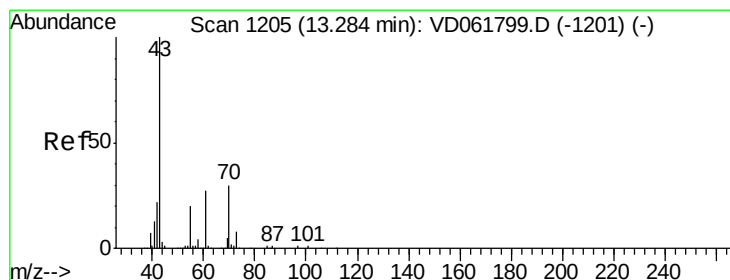
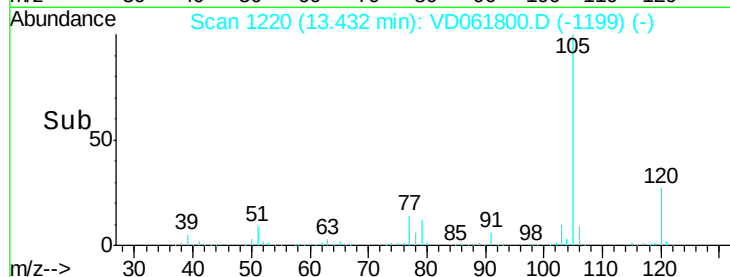
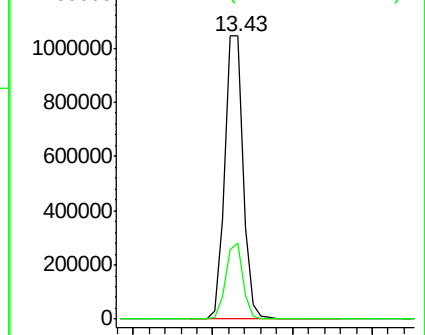
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 81.769 ug/l

RT: 13.28 min Scan# 1205

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Tgt Ion: 43 Resp: 483474

Ion Ratio Lower Upper

43 100

70 32.0 24.2 36.4

55 19.9 16.0 24.0

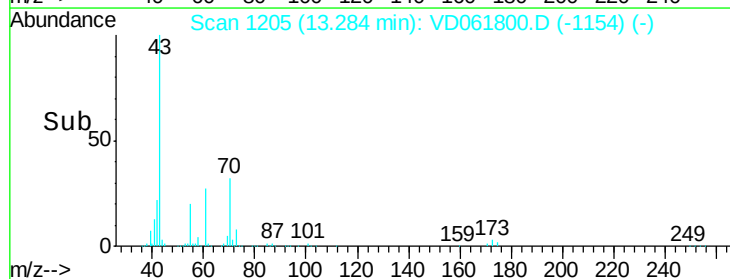
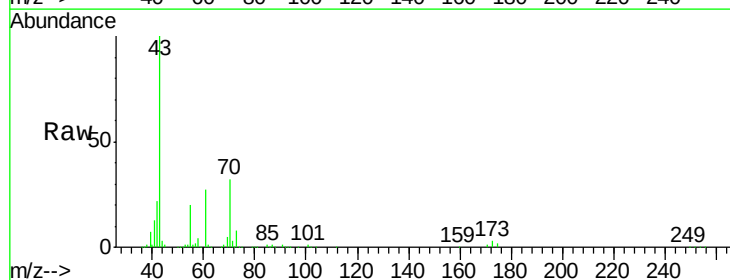
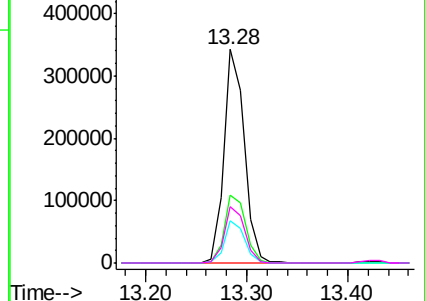
61 26.6 21.6 32.4

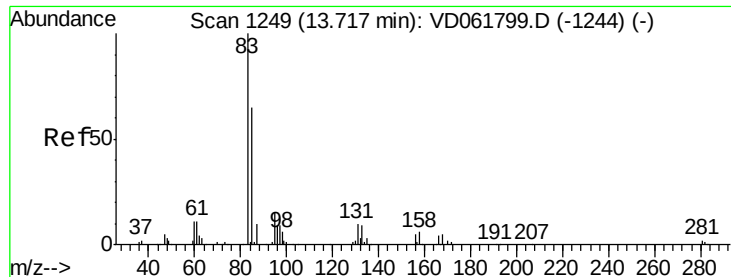
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 80.464 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Instrument :

MSVOA_D

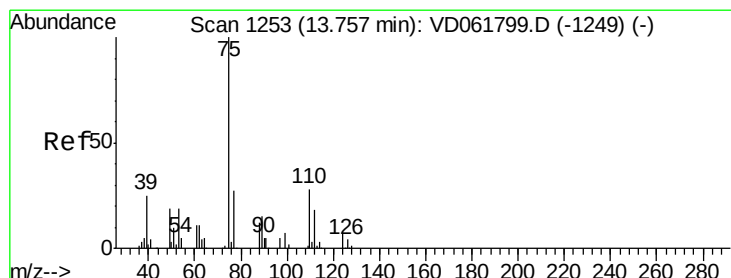
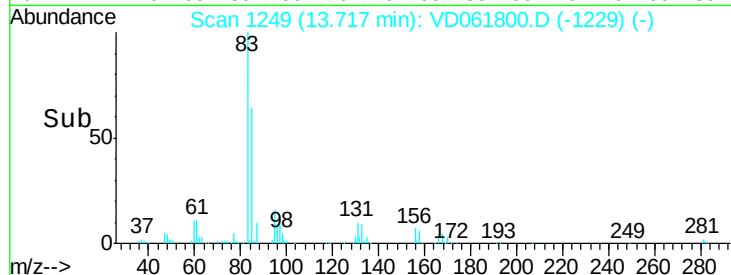
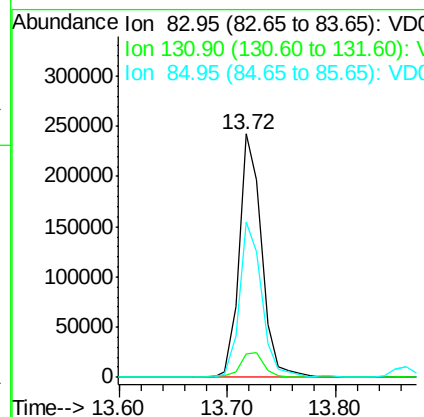
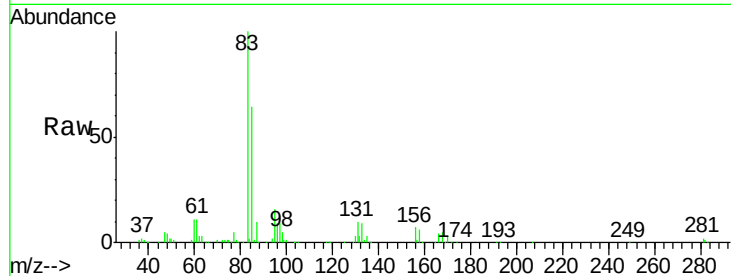
ClientSampleId :

VSTDIC075

Tot Ion:	83	Resp:	349721
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.0	14.9
85	63.9	32.6	97.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 82.195 ug/l

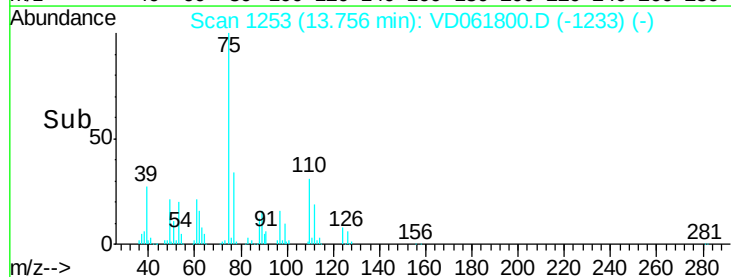
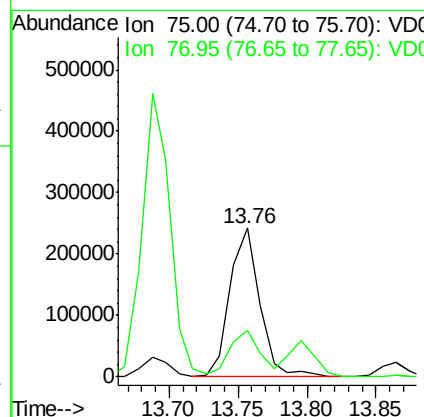
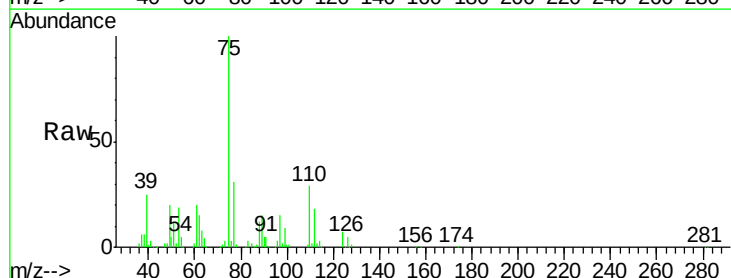
RT: 13.76 min Scan# 1253

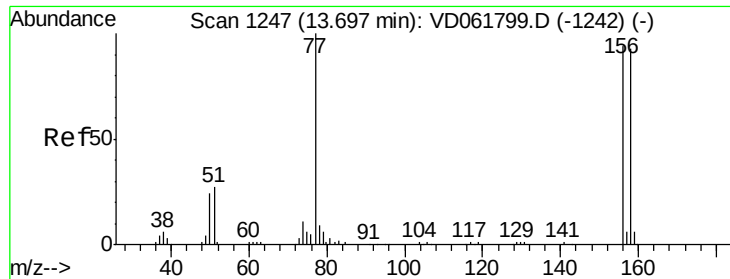
Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Tgt Ion:	75	Resp:	365976
Ion Ratio	Lower	Upper	
75	100		
77	31.1	16.4	49.4





#77

Bromobenzene

Concen: 85.019 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:156 Resp: 531029

Ion Ratio Lower Upper

156 100

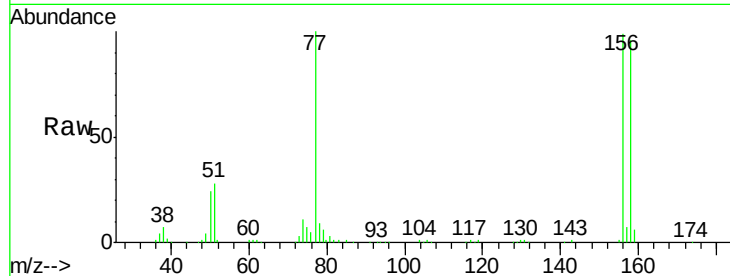
77 101.0 53.1 159.4

158 96.7 49.4 148.0

Manual Integrations
APPROVED

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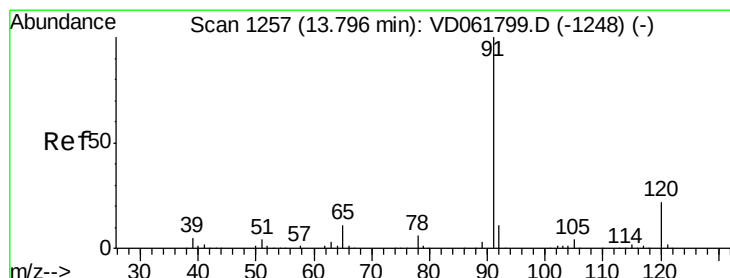
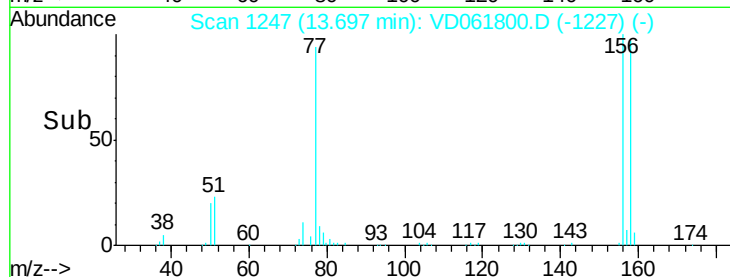
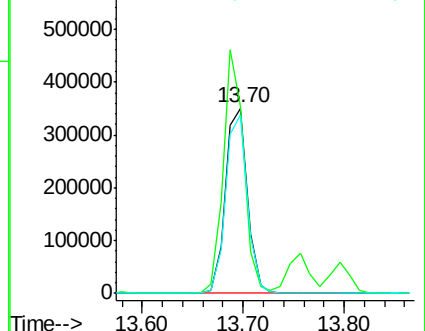
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 82.962 ug/l

RT: 13.80 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VD061800.D

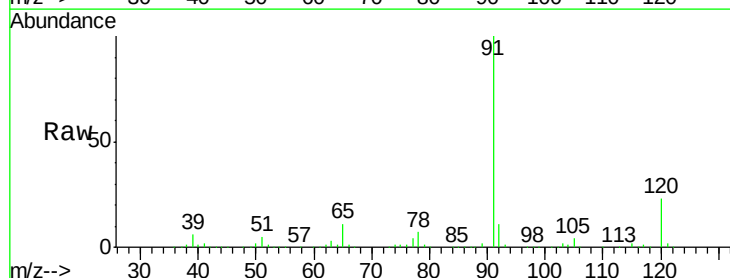
Acq: 15 Apr 2019 14:37

Tgt Ion: 91 Resp: 2107561

Ion Ratio Lower Upper

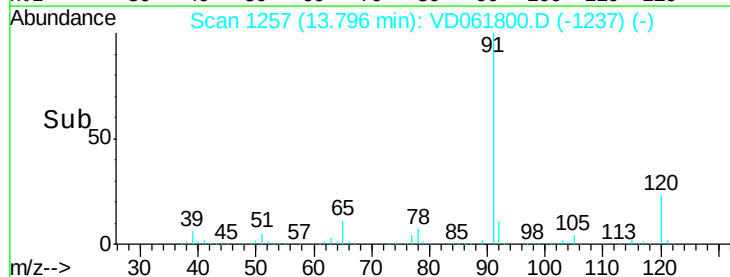
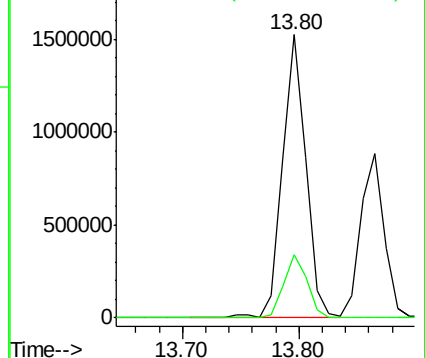
91 100

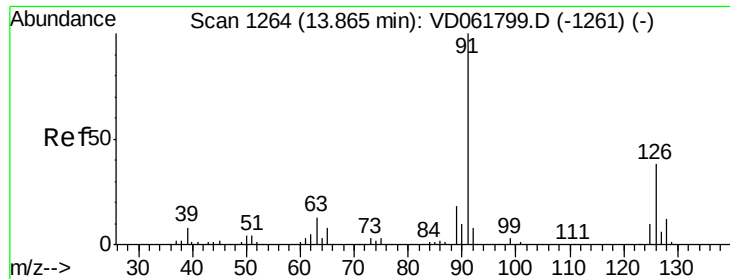
120 22.6 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 83.668 ug/l

RT: 13.86 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 91 Resp: 1234338

Ion Ratio Lower Upper

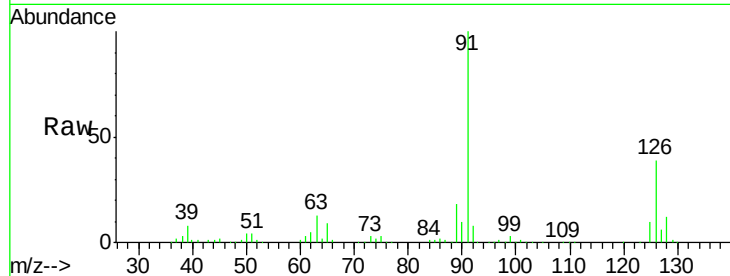
91 100

126 39.0 18.6 55.8

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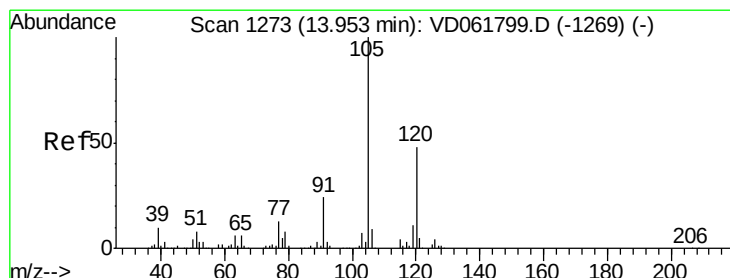
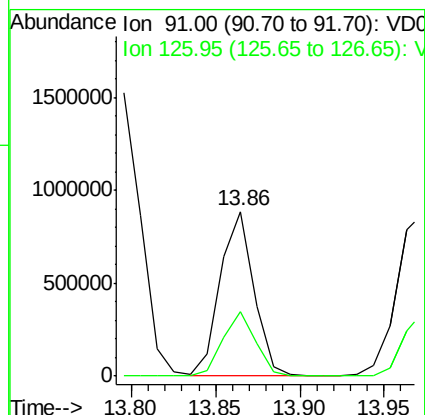
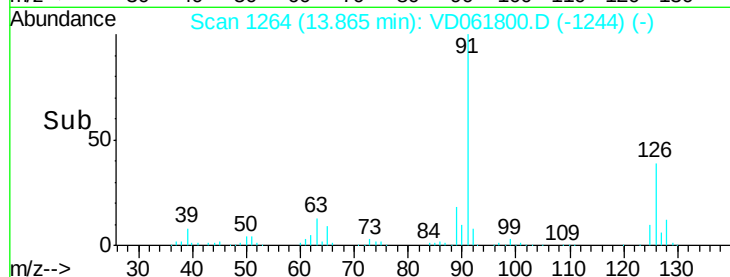
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Abundance Ion 91.00 (90.70 to 91.70): VD061799.D (-1261) (-)

Ion 125.95 (125.65 to 126.65): VD061799.D (-1261) (-)



#80

1,3,5-Trimethylbenzene

Concen: 81.047 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD061800.D

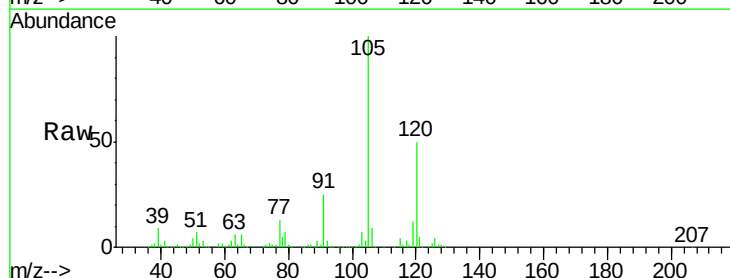
Acq: 15 Apr 2019 14:37

Tgt Ion:105 Resp: 1413995

Ion Ratio Lower Upper

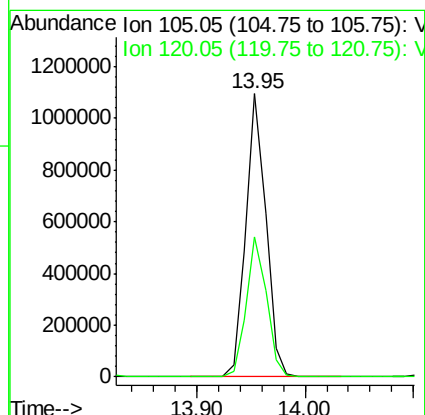
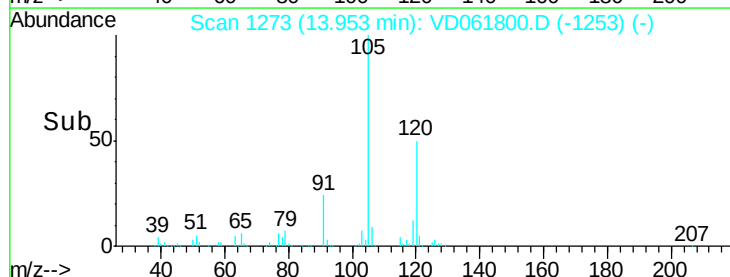
105 100

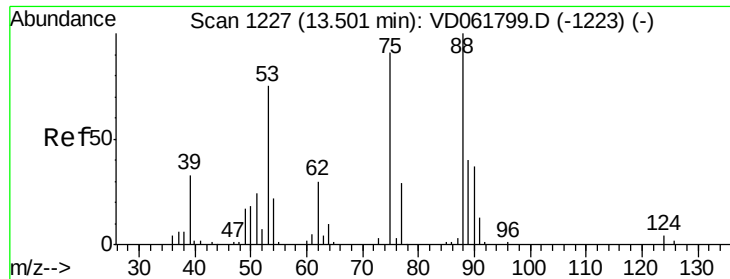
120 49.6 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): VD061799.D (-1269) (-)

Ion 120.05 (119.75 to 120.75): VD061799.D (-1269) (-)





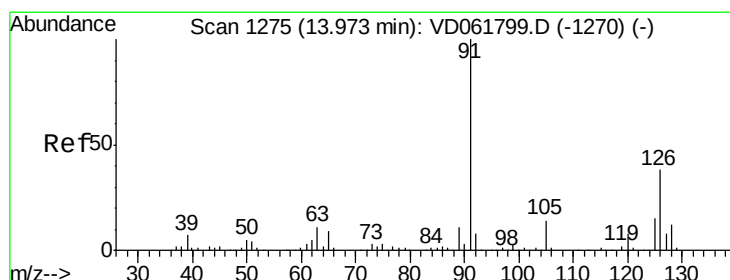
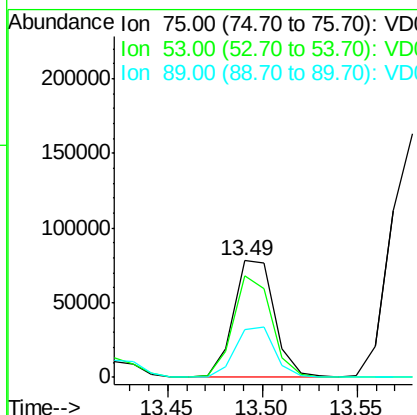
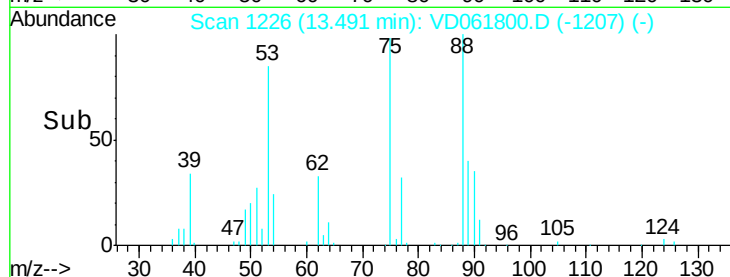
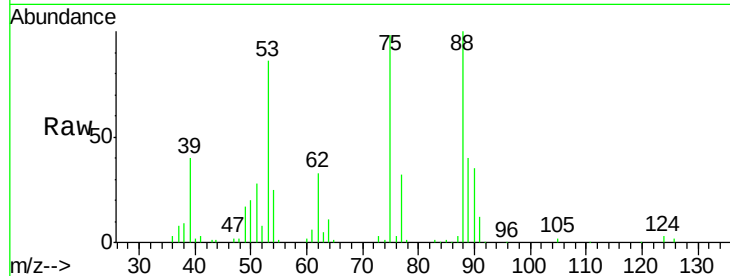
#81
trans-1,4-Dichloro-2-butene
Concen: 91.862 ug/l
RT: 13.49 min Scan# 1226
Delta R.T. -0.01 min
Lab File: VD061800.D
Acq: 15 Apr 2019 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.6	65.8	98.8
89	40.9	35.0	52.6

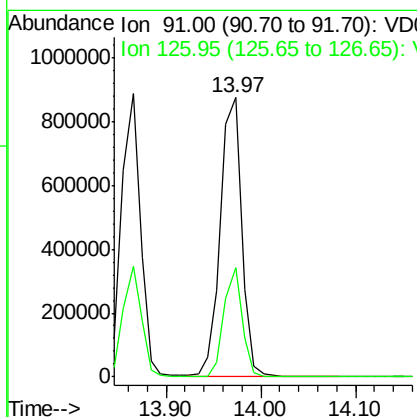
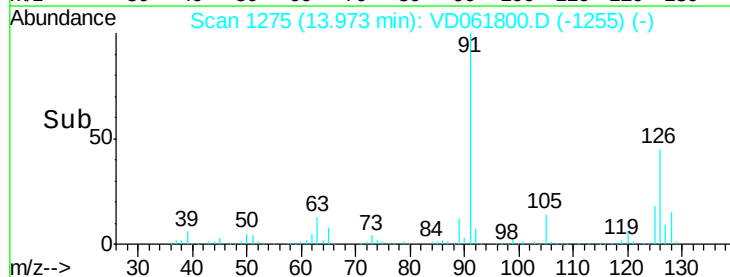
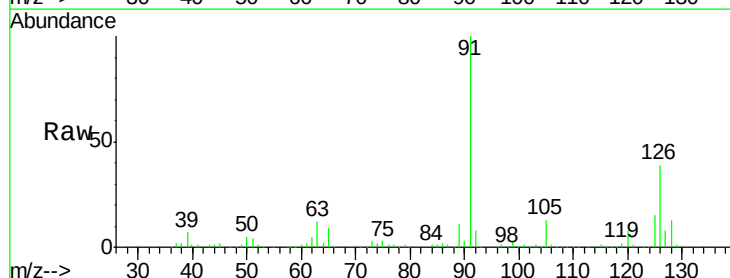
Manual Integrations
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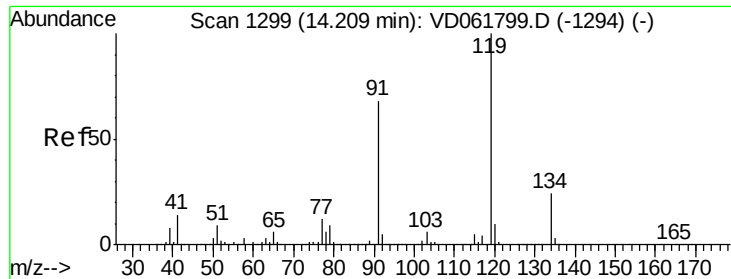
MMDadoda
4/16/2019 3:12:57 PM



#82
4-Chlorotoluene
Concen: 80.529 ug/l
RT: 13.97 min Scan# 1275
Delta R.T. -0.00 min
Lab File: VD061800.D
Acq: 15 Apr 2019 14:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	38.9	19.1	57.5





#83

tert-Butylbenzene

Concen: 74.351 ug/l

RT: 14.21 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:119 Resp: 1523128

Ion Ratio Lower Upper

119 100

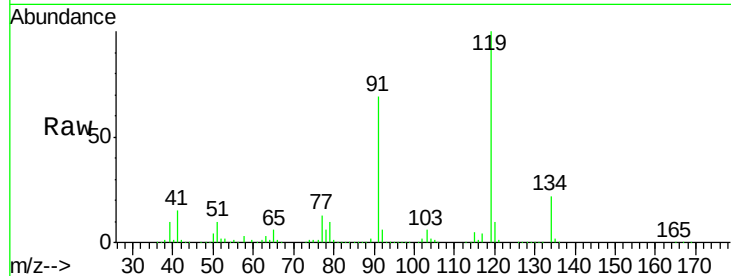
91 69.3 34.2 102.6

134 21.9 12.0 36.0

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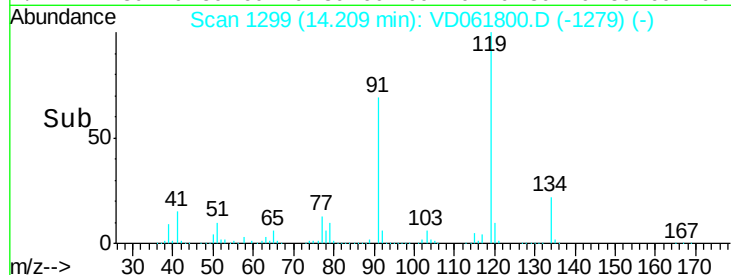


Abundance Ion 119.05 (118.75 to 119.75): V

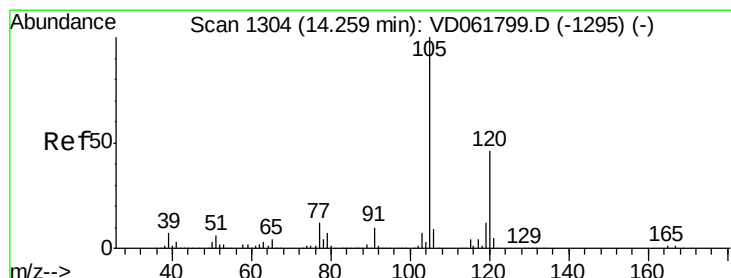
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V

Time-->



Time-->



#84

1,2,4-Trimethylbenzene

Concen: 76.266 ug/l

RT: 14.26 min Scan# 1304

Delta R.T. -0.00 min

Lab File: VD061800.D

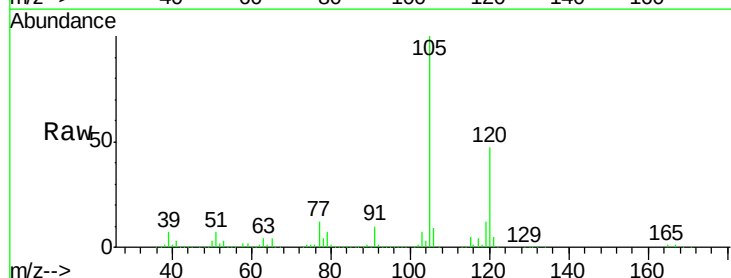
Acq: 15 Apr 2019 14:37

Tgt Ion:105 Resp: 1337501

Ion Ratio Lower Upper

105 100

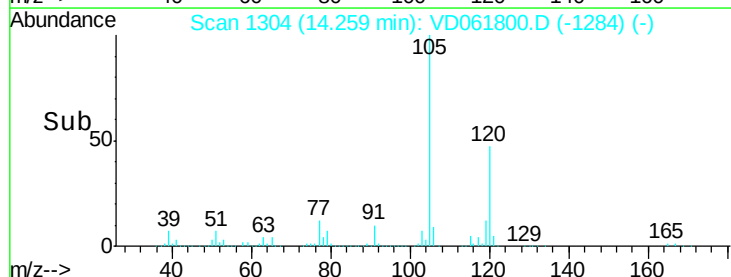
120 46.5 23.1 69.2



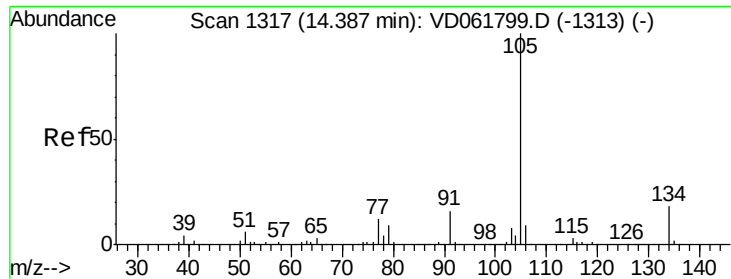
Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

Time-->



Time-->



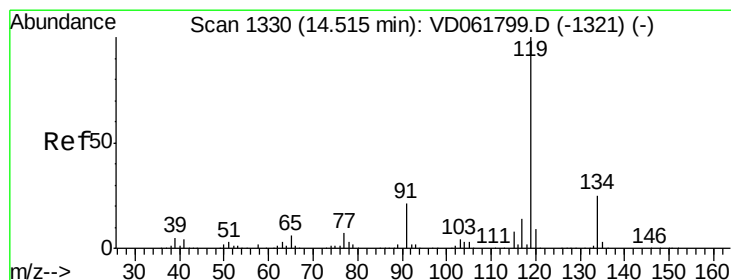
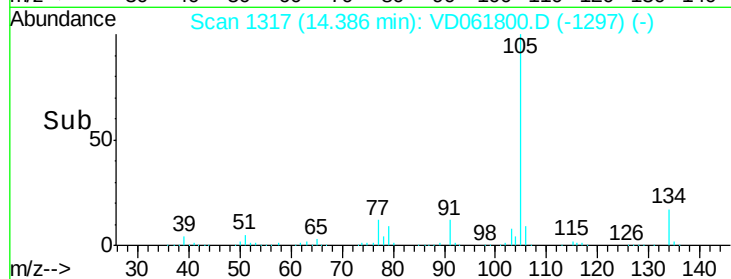
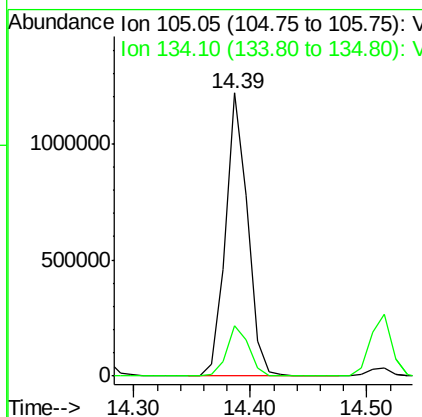
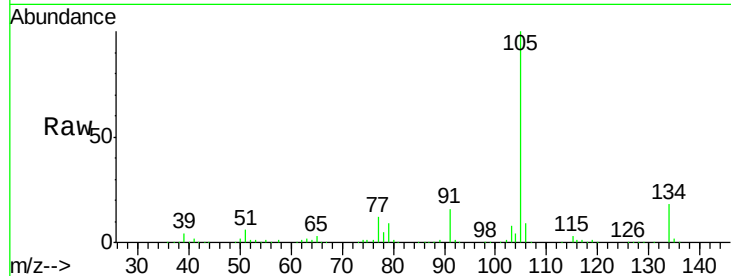
#85
 sec-Butylbenzene
 Concen: 74.875 ug/l
 RT: 14.39 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VD061800.D
 Acq: 15 Apr 2019 14:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:105 Resp: 1585661
 Ion Ratio Lower Upper
 105 100
 134 17.7 8.9 26.7

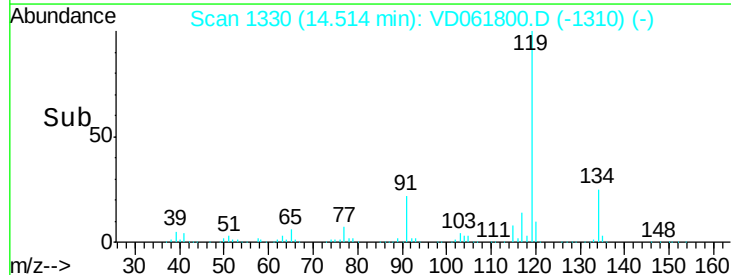
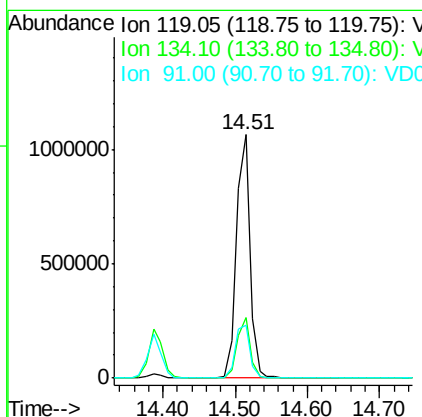
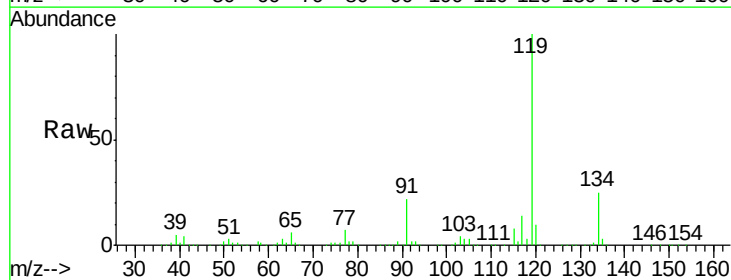
Manual Integrations
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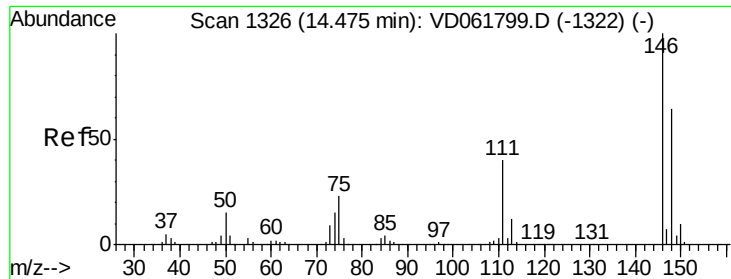
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#86
 p-Isopropyltoluene
 Concen: 70.821 ug/l
 RT: 14.51 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VD061800.D
 Acq: 15 Apr 2019 14:37

Tgt Ion:119 Resp: 1403285
 Ion Ratio Lower Upper
 119 100
 134 25.1 12.8 38.3
 91 21.9 10.7 32.1





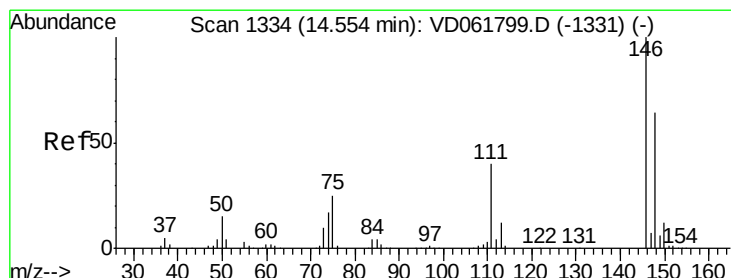
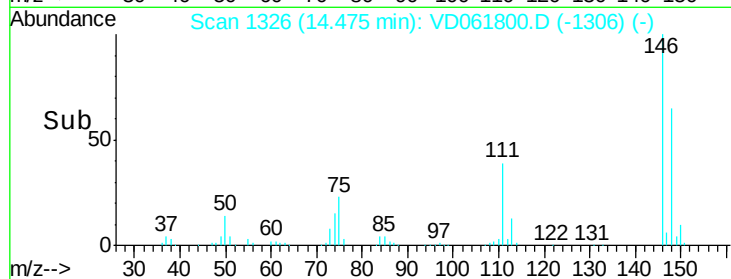
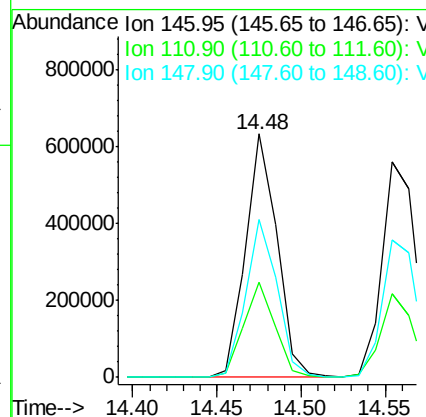
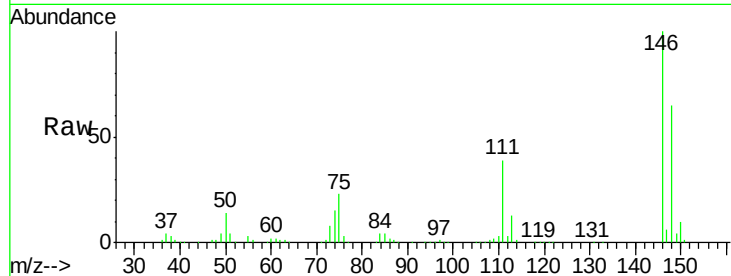
#87
 1,3-Dichlorobenzene
 Concen: 75.405 ug/l
 RT: 14.48 min Scan# 1326
 Delta R.T. -0.00 min
 Lab File: VD061800.D
 Acq: 15 Apr 2019 14:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.0	60.0
148	64.6	31.8	95.4

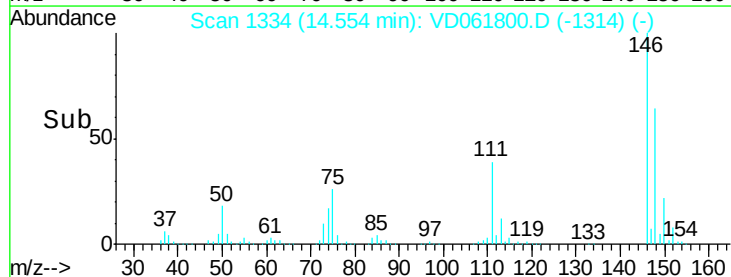
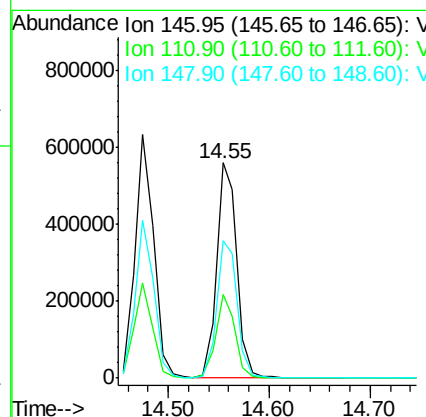
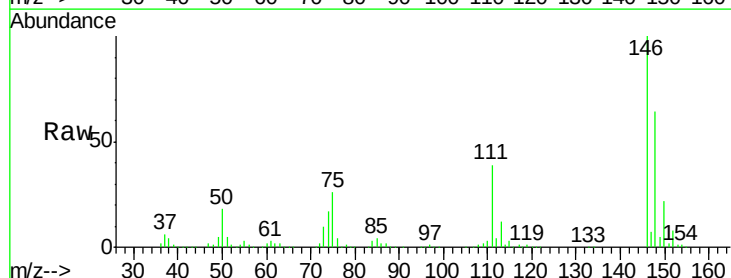
Manual Integrations
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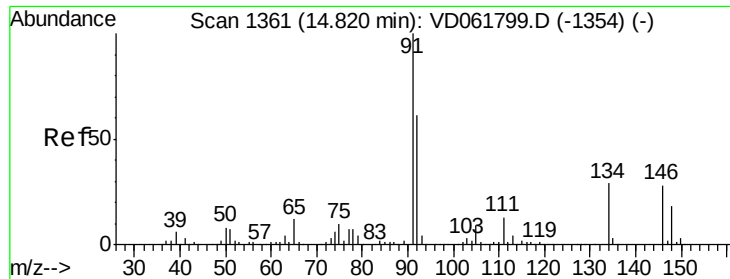
MMDadoda
 4/16/2019 3:12:57 PM



#88
 1,4-Dichlorobenzene
 Concen: 72.759 ug/l
 RT: 14.55 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: VD061800.D
 Acq: 15 Apr 2019 14:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.2	60.5
148	64.2	32.0	96.2





#89

n-Butylbenzene

Concen: 80.522 ug/l

RT: 14.82 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 91 Resp: 1412320

Ion Ratio Lower Upper

91 100

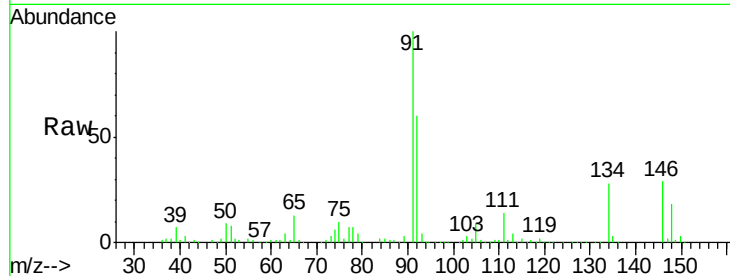
92 60.0 30.3 91.0

134 28.3 14.5 43.6

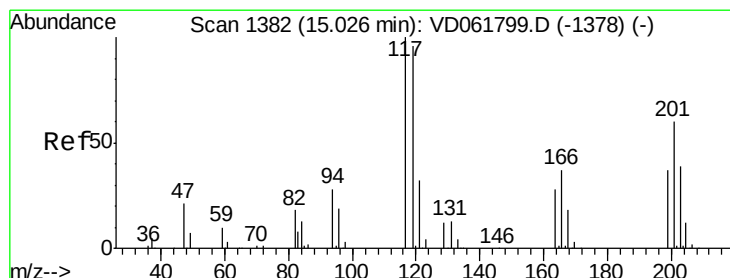
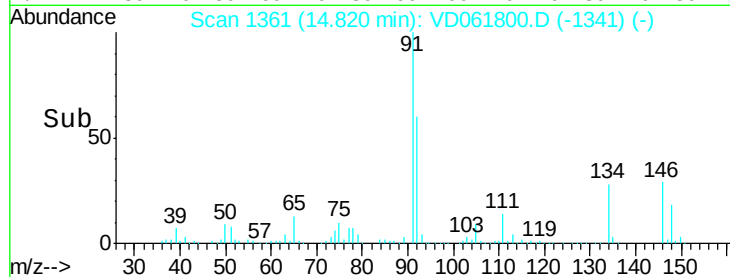
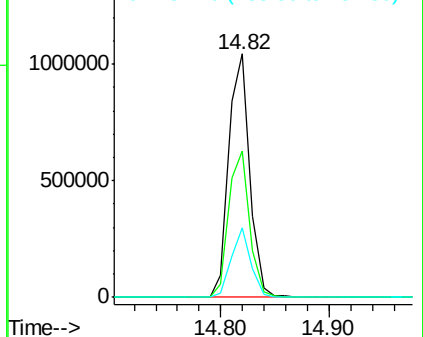
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 85.665 ug/l

RT: 15.03 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VD061800.D

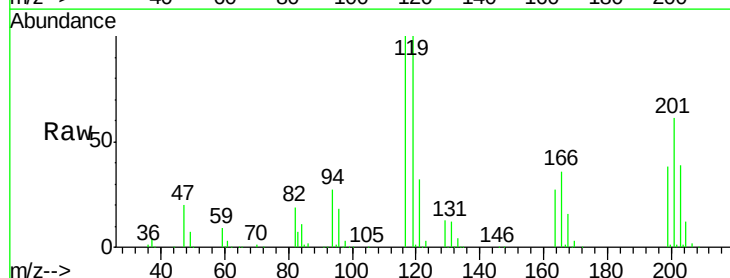
Acq: 15 Apr 2019 14:37

Tgt Ion: 117 Resp: 462646

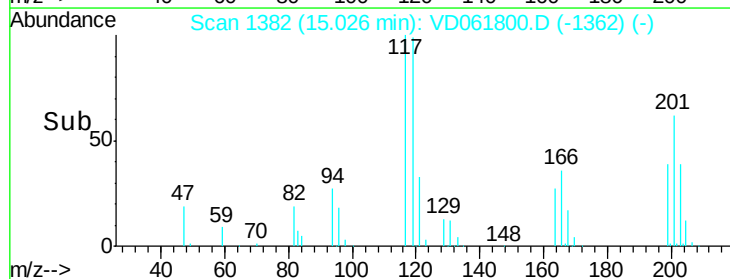
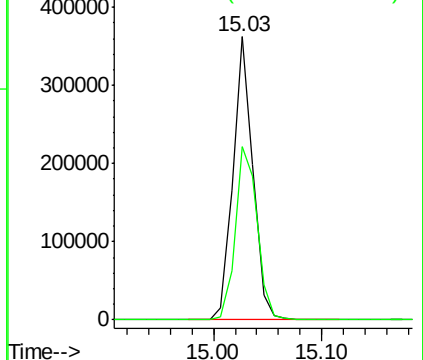
Ion Ratio Lower Upper

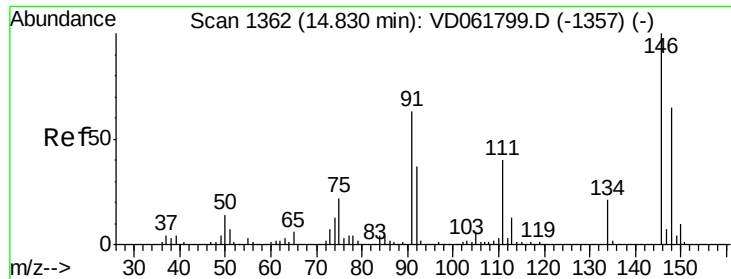
117 100

201 61.4 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V





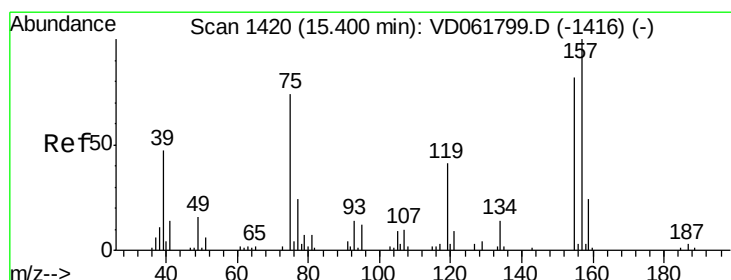
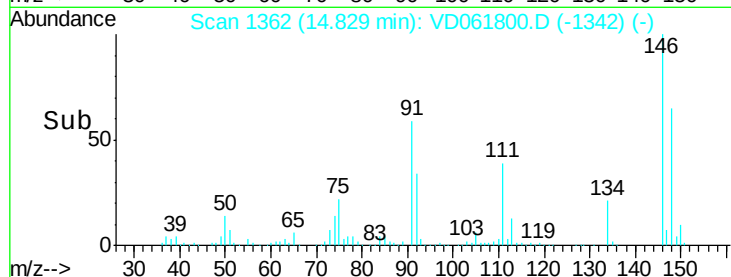
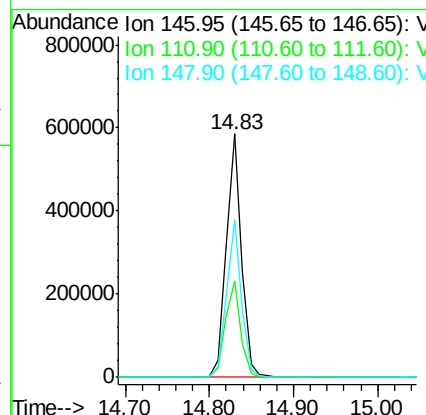
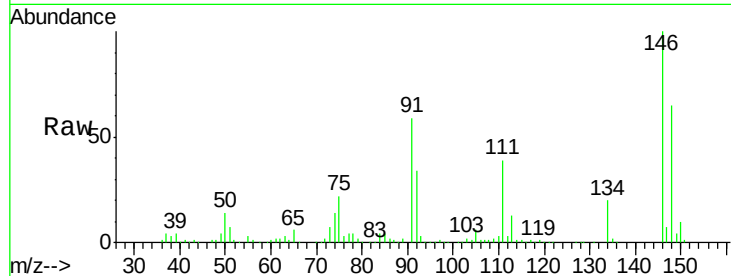
#91
 1,2-Dichlorobenzene
 Concen: 79.420 ug/l
 RT: 14.83 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VD061800.D
 Acq: 15 Apr 2019 14:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.0	59.9
148	64.9	32.3	96.8

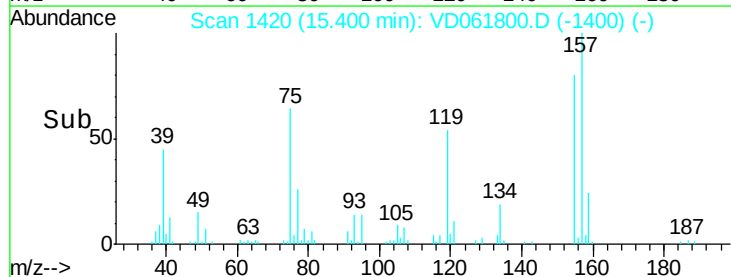
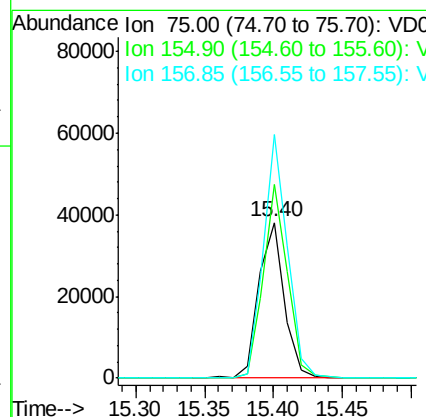
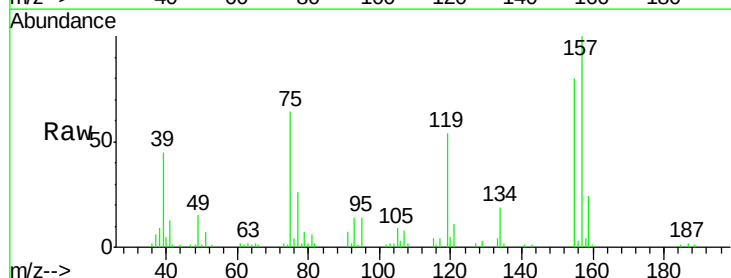
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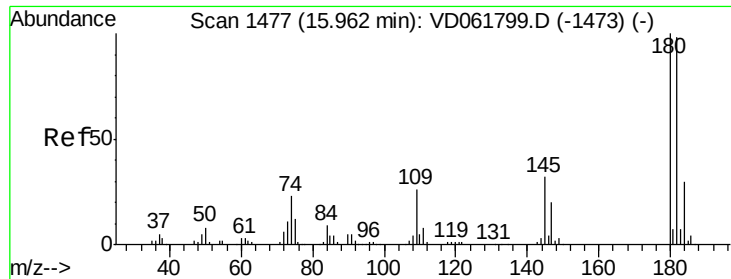
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 81.840 ug/l
 RT: 15.40 min Scan# 1420
 Delta R.T. -0.00 min
 Lab File: VD061800.D
 Acq: 15 Apr 2019 14:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	125.0	55.3	165.8
157	156.7	67.8	203.2





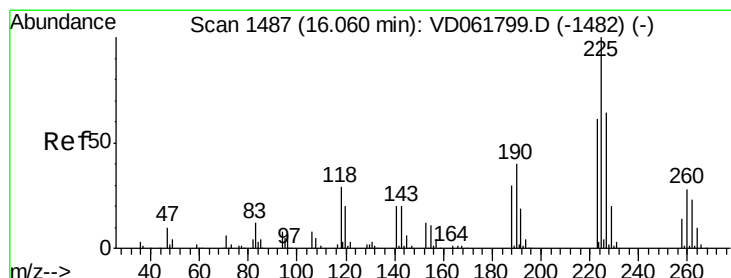
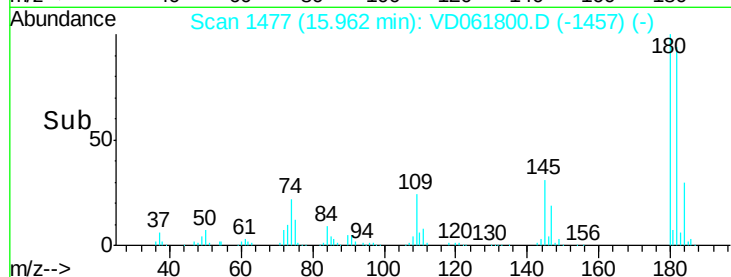
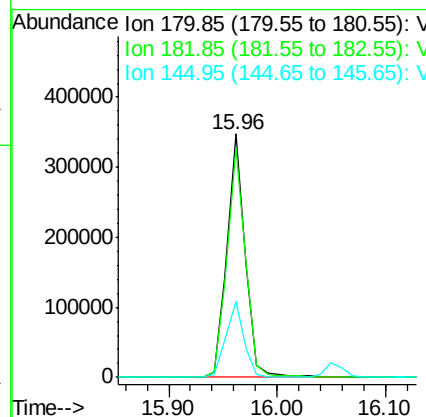
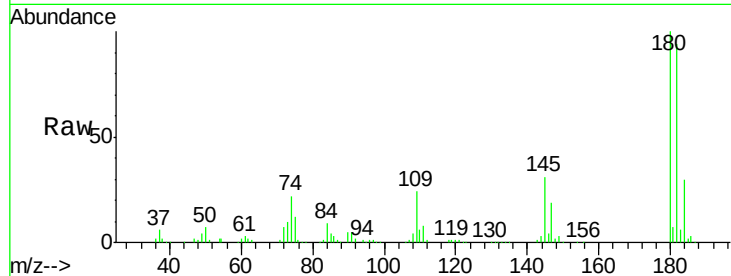
#93
 1,2,4-Trichlorobenzene
 Concen: 81.105 ug/l
 RT: 15.96 min Scan# 1477
 Delta R.T. -0.00 min
 Lab File: VD061800.D
 Acq: 15 Apr 2019 14:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
180	100	406864		
182	94.3	49.3	147.8	
145	31.2	16.2	48.6	

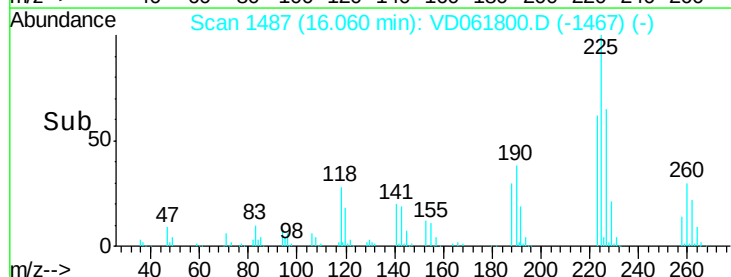
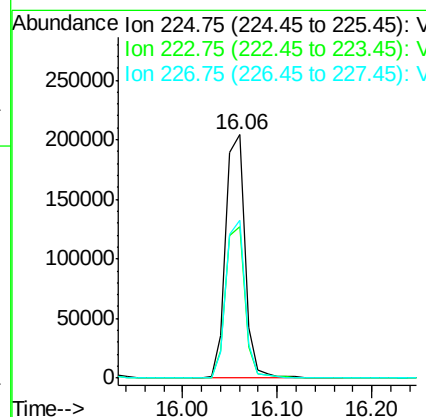
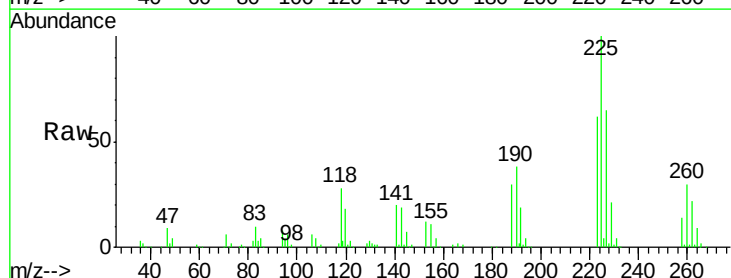
Manual Integrations
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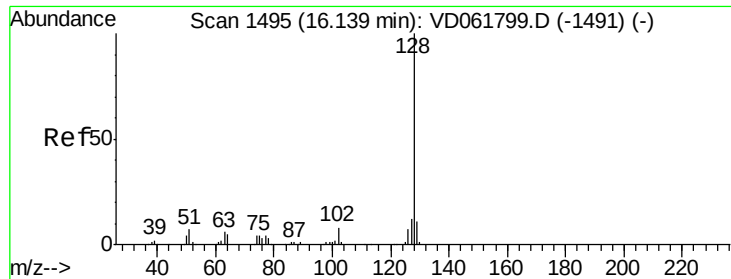
MMDadoda
 4/16/2019 3:12:57 PM



#94
 Hexachlorobutadiene
 Concen: 79.475 ug/l
 RT: 16.06 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD061800.D
 Acq: 15 Apr 2019 14:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	288924		
223	62.3	30.6	92.0	
227	64.7	32.0	96.2	





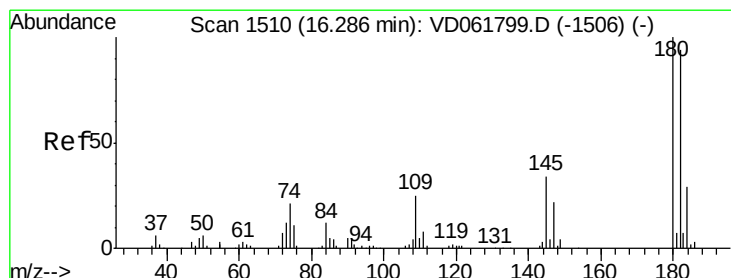
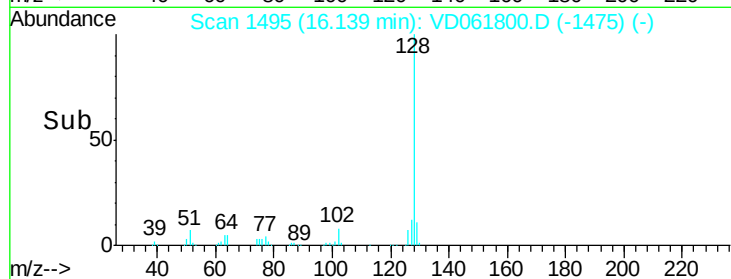
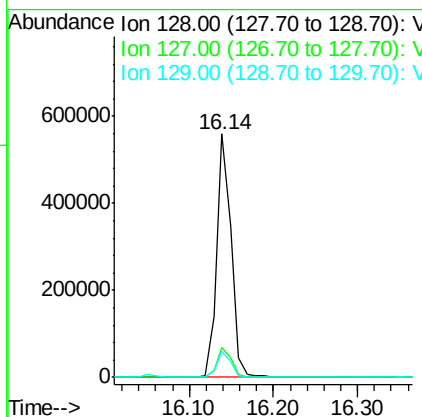
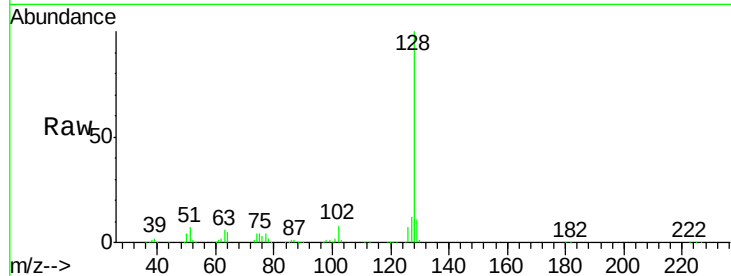
#95
Naphthalene
Concen: 86.513 ug/l
RT: 16.14 min Scan# 1495
Delta R.T. -0.00 min
Lab File: VD061800.D
Acq: 15 Apr 2019 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
128	100	665200		
127	12.5		9.8	14.8
129	10.9		8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 74.143 ug/l
RT: 16.29 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VD061800.D
Acq: 15 Apr 2019 14:37

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	211955		
182	97.2		47.0	141.0
145	34.0		17.0	51.0

