

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032619\
 Data File : VD061336.D
 Acq On : 26 Mar 2019 15:18
 Operator : VA/AP
 Sample : VD0326SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0326SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 12:02:25 PM

Quant Time: Mar 27 08:42:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 03:31:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	84933	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.21	114	143752	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.36	117	127232	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	60375	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	50551	68.99	ug/l	-0.01
Spiked Amount			Recovery	=	137.98%	
35) Dibromofluoromethane	6.92	113	60441	54.95	ug/l	-0.01
Spiked Amount			Recovery	=	109.90%	
50) Toluene-d8	10.40	98	131236	49.20	ug/l	-0.01
Spiked Amount			Recovery	=	98.40%	
62) 4-Bromofluorobenzene	13.55	95	60682	58.32	ug/l	0.00
Spiked Amount			Recovery	=	116.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	13546	15.599	ug/l	98
3) Chloromethane	1.77	50	12630	18.645	ug/l	92
4) Vinyl Chloride	1.86	62	9371	14.795	ug/l #	83
5) Bromomethane	2.17	94	3603	28.027	ug/l #	83
6) Chloroethane	2.29	64	3726	18.699	ug/l #	83
7) Trichlorofluoromethane	2.54	101	15080	16.107	ug/l	100
8) Diethyl Ether	2.88	74	6937	24.920	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.16	101	17408	18.268	ug/l #	85
10) Methyl Iodide	3.32	142	18885	14.185	ug/l	96
11) Tert butyl alcohol	4.06	59	14542	372.797	ug/l #	77
12) 1,1-Dichloroethene	3.14	96	14183	17.297	ug/l	97
13) Acrolein	3.04	56	12936	302.967	ug/l	98
14) Allyl chloride	3.63	41	22582	19.414	ug/l	90
15) Acrylonitrile	4.20	53	46573	339.494	ug/l	89
16) Acetone	3.22	43	50249	286.685	ug/l	95
17) Carbon Disulfide	3.39	76	46887	17.217	ug/l	100
18) Methyl Acetate	3.65	43	16889	50.977	ug/l	98
19) Methyl tert-butyl Ether	4.24	73	40959	28.364	ug/l	92
20) Methylene Chloride	3.82	84	21478	21.590	ug/l #	90
21) trans-1,2-Dichloroethene	4.23	96	15892	17.325	ug/l	94
22) Diisopropyl ether	5.12	45	51354	20.958	ug/l #	90
23) Vinyl Acetate	5.05	43	215606	164.746	ug/l	100
24) 1,1-Dichloroethane	4.99	63	26271	18.398	ug/l #	96
25) 2-Butanone	6.07	43	65652	323.837	ug/l	99
26) 2,2-Dichloropropane	6.03	77	21512	17.742	ug/l	93
27) cis-1,2-Dichloroethene	6.04	96	19832	20.090	ug/l	93
28) Bromochloromethane	6.44	49	14777	24.724	ug/l	98
29) Tetrahydrofuran	6.45	42	34618	343.060	ug/l	97
30) Chloroform	6.67	83	29019	19.071	ug/l	99
31) Cyclohexane	6.95	56	19473	16.802	ug/l	94
32) 1,1,1-Trichloroethane	6.86	97	21270	15.783	ug/l	95
36) 1,1-Dichloropropene	7.14	75	18814	15.997	ug/l	96
37) Ethyl Acetate	6.18	43	28886m	58.802	ug/l	
38) Carbon Tetrachloride	7.11	117	23511	17.490	ug/l #	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	19889	16.328	ug/l #	85
40) Benzene	7.45	78	56008	19.174	ug/l	99
41) Methacrylonitrile	6.43	41	35640	62.433	ug/l	95
42) 1,2-Dichloroethane	7.57	62	19686	21.625	ug/l	96
43) Isopropyl Acetate	9.24	43	33582	47.411	ug/l #	97
44) Trichloroethene	8.54	130	19253	18.225	ug/l	98
45) 1,2-Dichloropropane	8.93	63	13522	18.757	ug/l #	87
46) Dibromomethane	9.06	93	13491	27.301	ug/l	93
47) Bromodichloromethane	9.36	83	21838	18.854	ug/l	88
48) Methyl methacrylate	9.12	41	15255	40.351	ug/l	94
49) 1,4-Dioxane	9.07	88	6018	1450.816	ug/l	95
51) 4-Methyl-2-Pentanone	10.29	43	116943	277.342	ug/l	99
52) Toluene	10.51	92	37147	20.784	ug/l	98
53) t-1,3-Dichloropropene	10.90	75	22185	22.040	ug/l	95
54) cis-1,3-Dichloropropene	10.03	75	25546	20.784	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	17411	29.343	ug/l	90
56) Ethyl methacrylate	11.04	69	21668	34.221	ug/l	97
57) 1,3-Dichloropropane	11.40	76	24036	26.822	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.85	63	58714	178.244	ug/l	100
59) 2-Hexanone	11.52	43	92543	302.186	ug/l	97
60) Dibromochloromethane	11.68	129	22036	23.711	ug/l	96
61) 1,2-Dibromoethane	11.80	107	20202	29.139	ug/l	84
64) Tetrachloroethene	11.25	164	15174	17.313	ug/l	94
65) Chlorobenzene	12.40	112	47914	20.445	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	17710	19.492	ug/l	92
67) Ethyl Benzene	12.52	91	65338	18.218	ug/l	98
68) m/p-Xylenes	12.66	106	55892	39.923	ug/l	94
69) o-Xylene	13.05	106	26088	20.092	ug/l	86
70) Styrene	13.07	104	45328	20.570	ug/l	94
71) Bromoform	13.23	173	15636	28.122	ug/l	93
73) Isopropylbenzene	13.40	105	70390	17.925	ug/l	99
74) N-amyl acetate	13.26	43	33653	32.756	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	23674	31.088	ug/l	94
76) 1,2,3-Trichloropropane	13.73	75	28933	38.534	ug/l	97
77) Bromobenzene	13.67	156	19379	17.667	ug/l	93
78) n-propylbenzene	13.77	91	85684	19.340	ug/l	97
79) 2-Chlorotoluene	13.83	91	47351	18.356	ug/l	92
80) 1,3,5-Trimethylbenzene	14.23	105	51409	16.595	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	7955	33.572	ug/l	89
82) 4-Chlorotoluene	13.94	91	58902	20.887	ug/l	100
83) tert-Butylbenzene	14.19	119	66325	18.751	ug/l	93
84) 1,2,4-Trimethylbenzene	14.23	105	51409	16.595	ug/l	97
85) sec-Butylbenzene	14.37	105	70080	17.791	ug/l	100
86) p-Isopropyltoluene	14.48	119	59862	17.034	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	39331	20.229	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	38147	20.254	ug/l	97
89) n-Butylbenzene	14.79	91	55084	17.654	ug/l	94
90) Hexachloroethane	15.01	117	14027	14.887	ug/l	92
91) 1,2-Dichlorobenzene	14.81	146	34548	22.269	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	3822	40.165	ug/l	91

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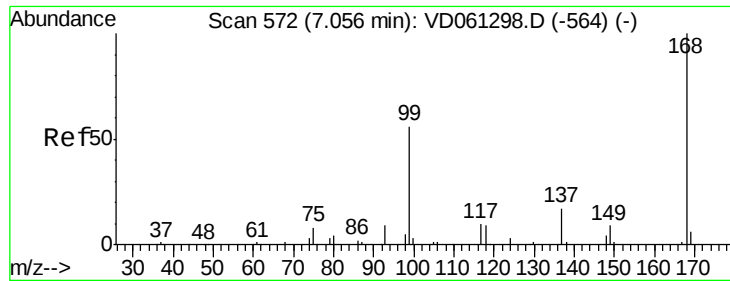
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	18995	26.511	ug/l	97
94) Hexachlorobutadiene	16.04	225	10360	17.945	ug/l	94
95) Naphthalene	16.12	128	47939	45.854	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	10554	31.537	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD061336.D

Acq: 26 Mar 2019 15:18

Instrument :

MSVOA_D

ClientSampleId :

VD0326SBSD01

Tot Ion:168 Resp: 84933

Ion Ratio Lower Upper

168 100

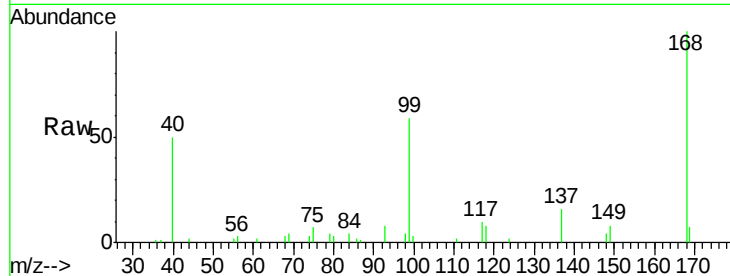
99 58.6 45.8 68.8

Manual Integrations

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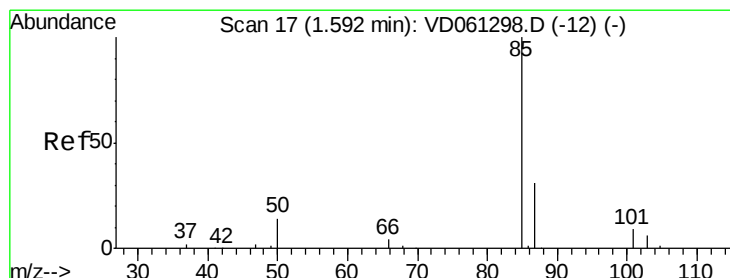
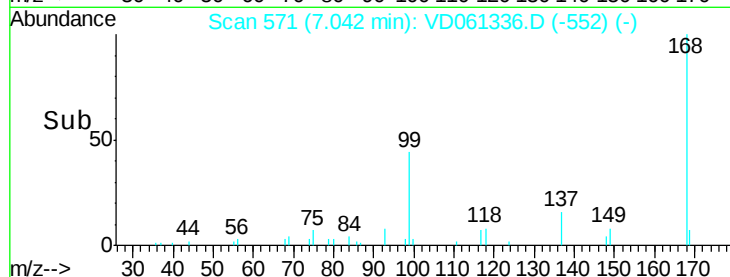
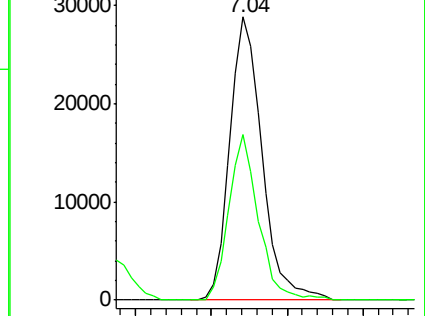
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 15.599 ug/l

RT: 1.60 min Scan# 18

Delta R.T. 0.01 min

Lab File: VD061336.D

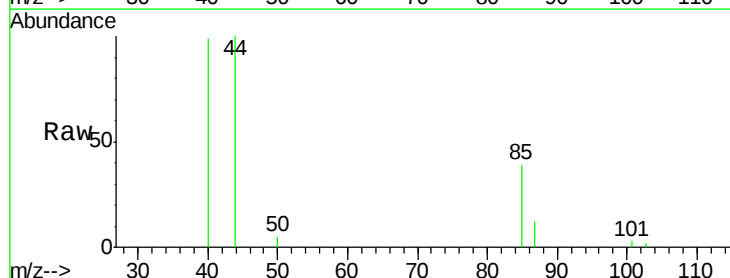
Acq: 26 Mar 2019 15:18

Tgt Ion: 85 Resp: 13546

Ion Ratio Lower Upper

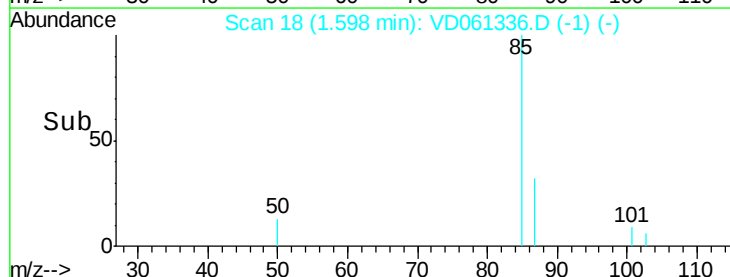
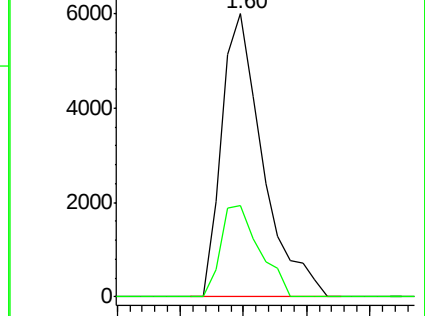
85 100

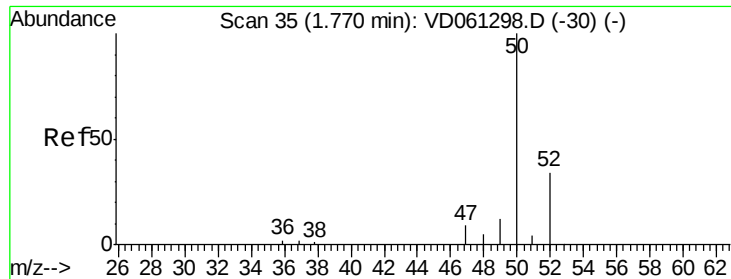
87 32.1 15.4 46.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.645 ug/l

RT: 1.77 min Scan# 35

Delta R.T. -0.00 min

Lab File: VD061336.D

Acq: 26 Mar 2019 15:18

Instrument :

MSVOA_D

ClientSampleId :

VD0326SBS01

Tot Ion: 50 Resp: 12630

Ion Ratio Lower Upper

50 100

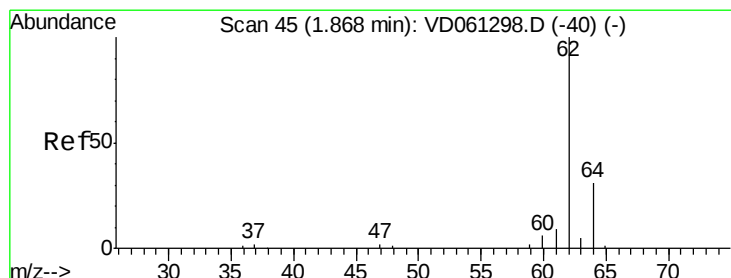
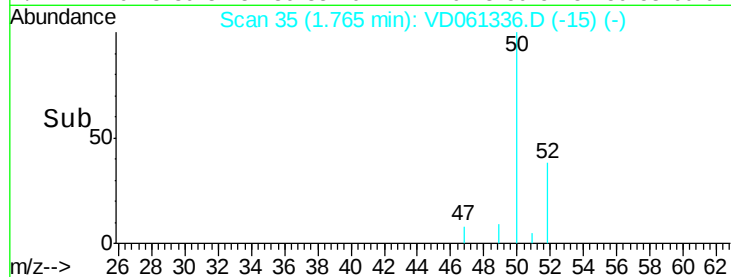
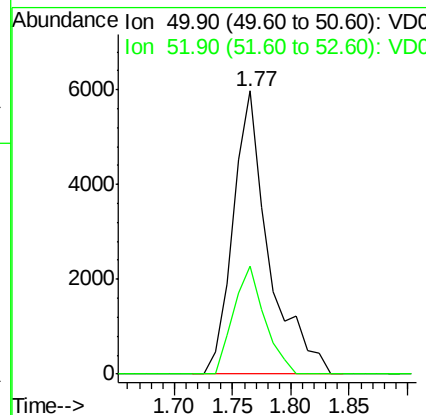
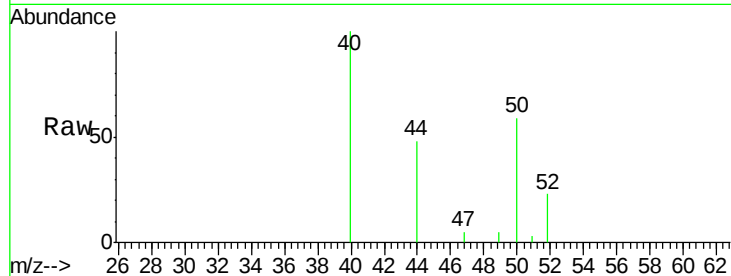
52 38.3 27.1 40.7

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#4

Vinyl Chloride

Concen: 14.795 ug/l

RT: 1.86 min Scan# 45

Delta R.T. -0.00 min

Lab File: VD061336.D

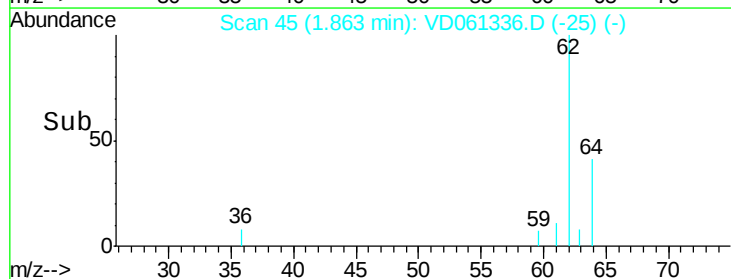
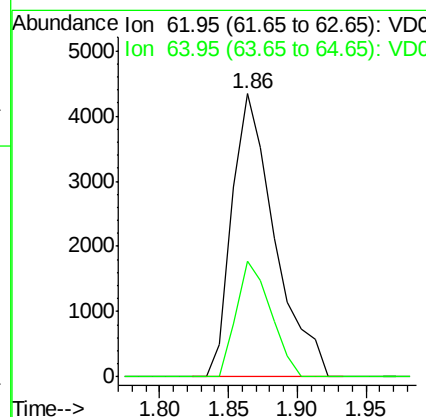
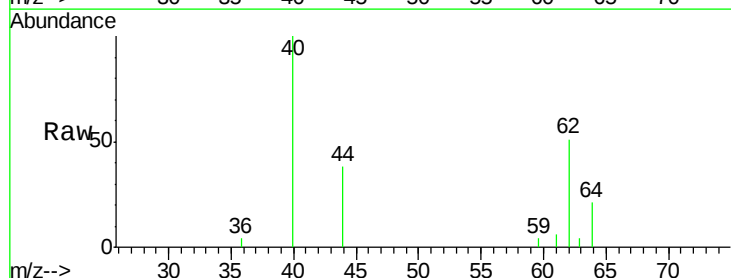
Acq: 26 Mar 2019 15:18

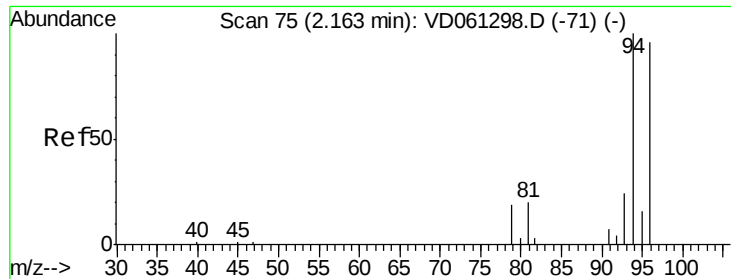
Tgt Ion: 62 Resp: 9371

Ion Ratio Lower Upper

62 100

64 41.0 25.1 37.7#





#5

Bromomethane

Concen: 28.027 ug/l

RT: 2.17 min Scan# 76

Delta R.T. 0.01 min

Lab File: VD061336.D

Acq: 26 Mar 2019 15:18

Instrument :

MSVOA_D

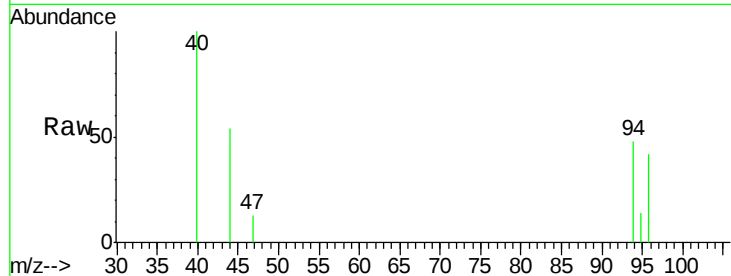
ClientSampleId :

VD0326SBS01

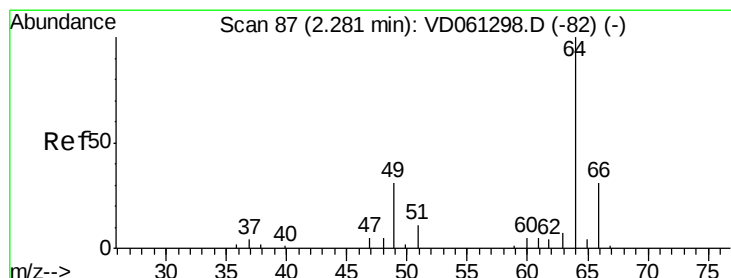
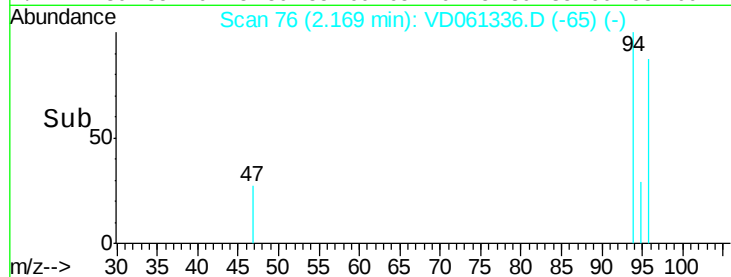
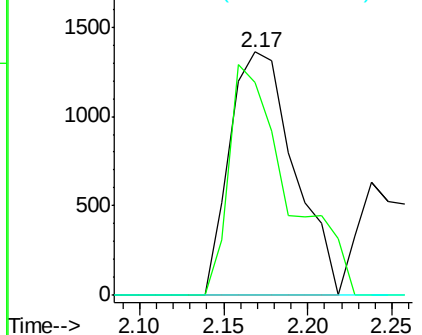
Tot Ion	Ratio	Lower	Upper
94	100		
96	87.4	76.9	115.3
93	0.0	18.8	28.2

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Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 18.699 ug/l

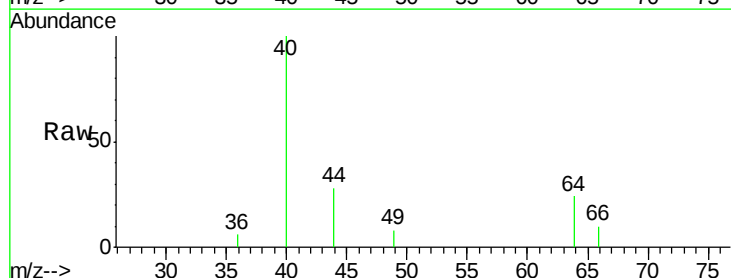
RT: 2.29 min Scan# 88

Delta R.T. 0.01 min

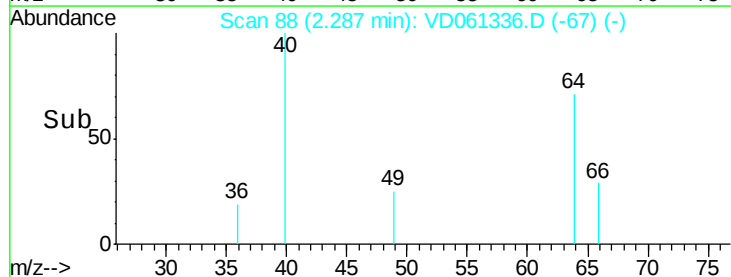
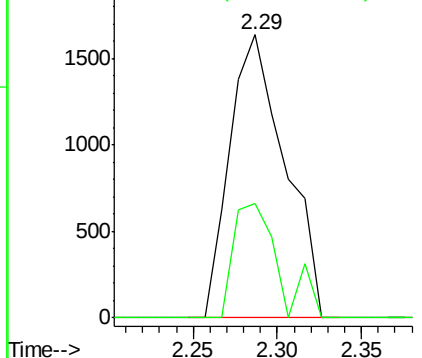
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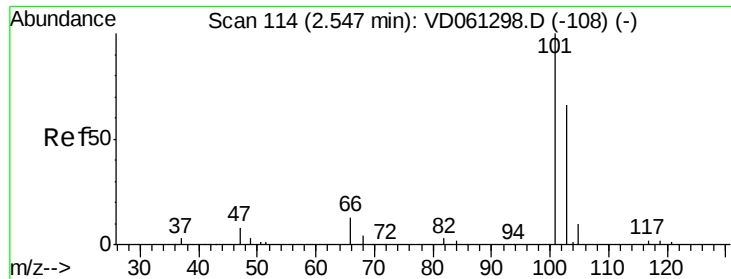
Acq: 26 Mar 2019 15:18

Tgt Ion	Ratio	Lower	Upper
64	100		
66	40.2	24.6	36.8



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC





#7

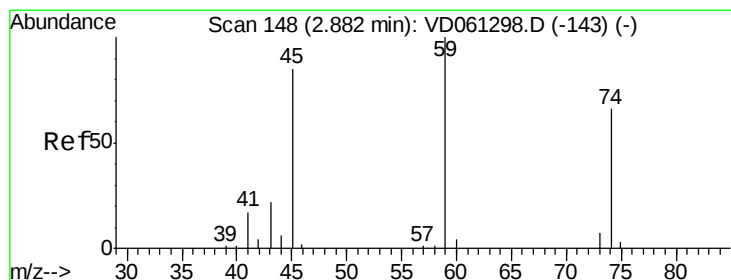
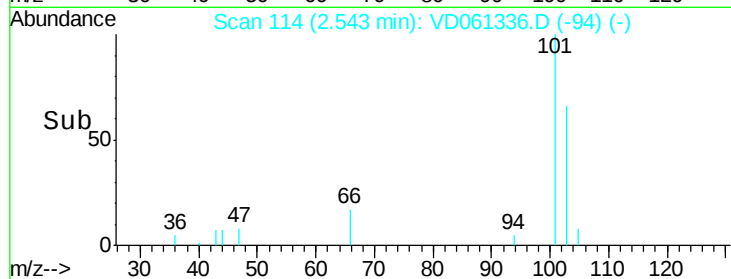
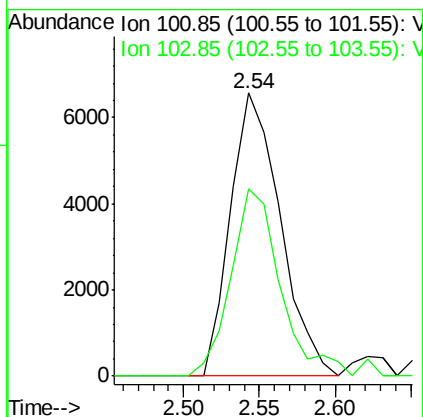
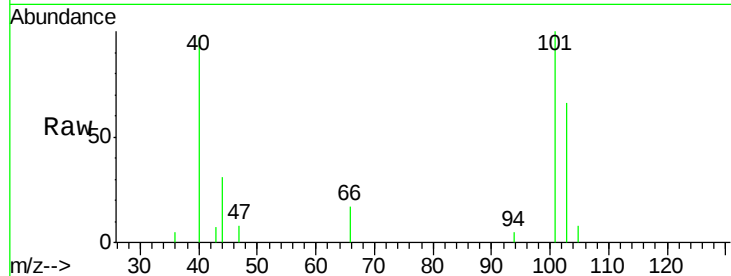
Trichlorofluoromethane
Concen: 16.107 ug/l
RT: 2.54 min Scan# 114
Delta R.T. -0.00 min
Lab File: VD061336.D
Acq: 26 Mar 2019 15:18

Instrument :
MSVOA_D
ClientSampleId :
VD0326SBSD01

Tot Ion:101 Resp: 15080
Ion Ratio Lower Upper
101 100
103 66.2 52.6 79.0

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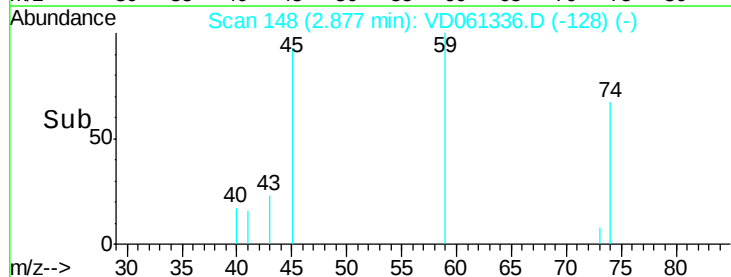
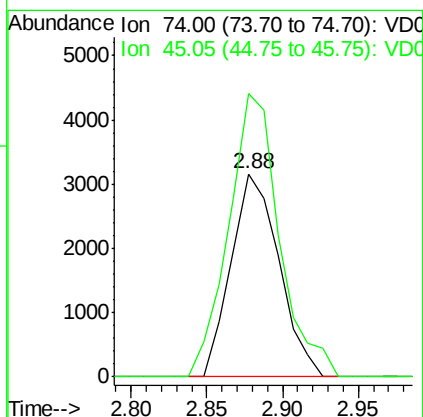
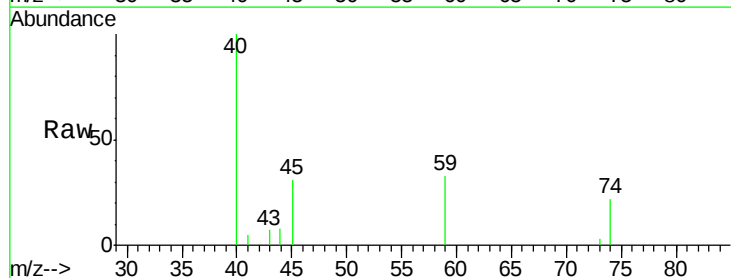
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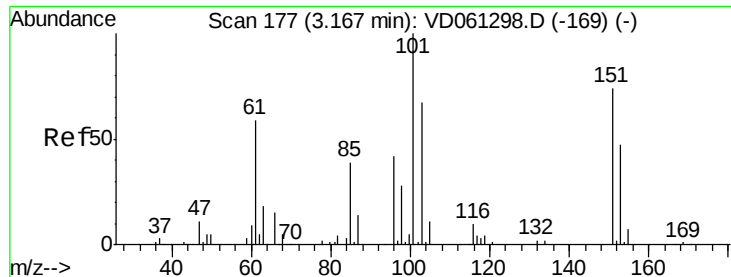


#8

Diethyl Ether
Concen: 24.920 ug/l
RT: 2.88 min Scan# 148
Delta R.T. -0.00 min
Lab File: VD061336.D
Acq: 26 Mar 2019 15:18

Tgt Ion: 74 Resp: 6937
Ion Ratio Lower Upper
74 100
45 139.3 64.3 192.9





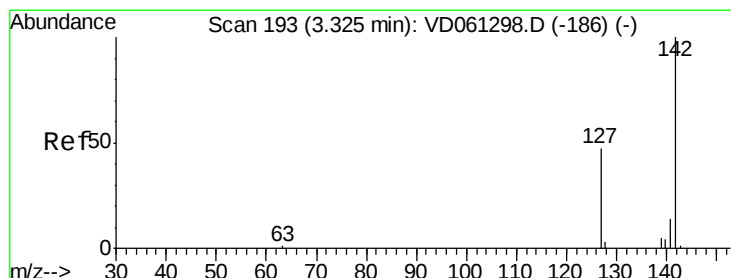
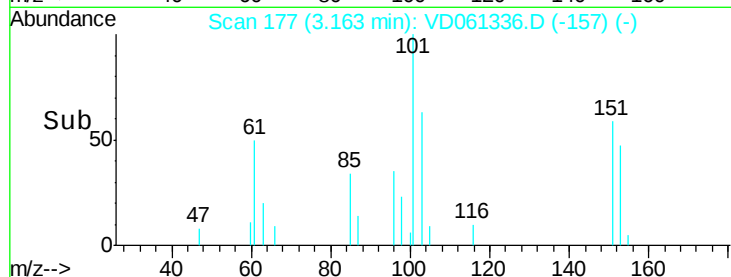
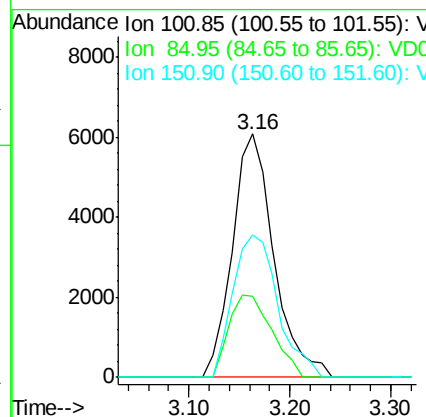
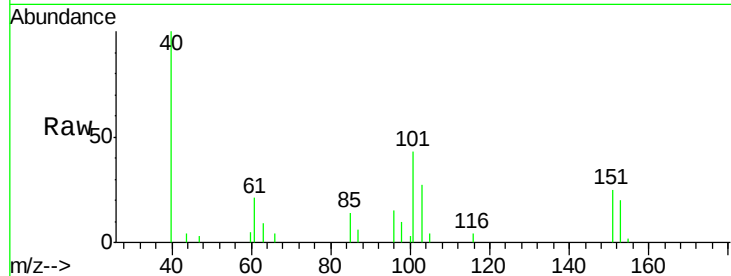
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.268 ug/l
RT: 3.16 min Scan# 177
Delta R.T. -0.00 min
Lab File: VD061336.D
Acq: 26 Mar 2019 15:18

Instrument :
MSVOA_D
ClientSampleId :
VD0326SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	33.5	31.6	47.4
151	58.7	59.3	88.9#

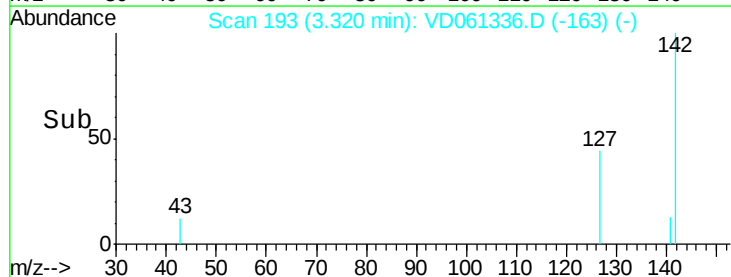
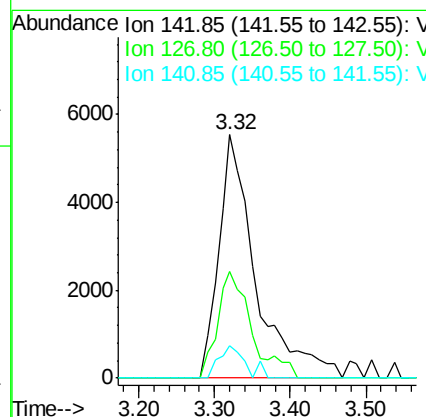
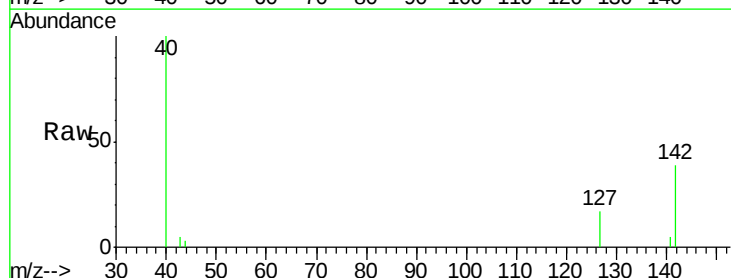
Manual Integrations
APPROVED

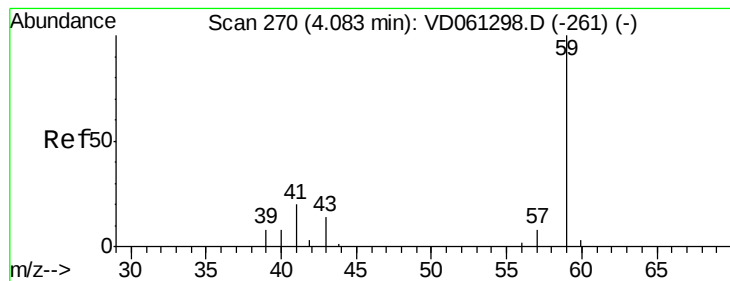
MMDadoda
3/27/2019 12:02:25 PM



#10
Methyl Iodide
Concen: 14.185 ug/l
RT: 3.32 min Scan# 193
Delta R.T. -0.00 min
Lab File: VD061336.D
Acq: 26 Mar 2019 15:18

Tgt Ion	Ratio	Lower	Upper
142	100		
127	44.1	37.8	56.6
141	13.4	11.6	17.4





#11

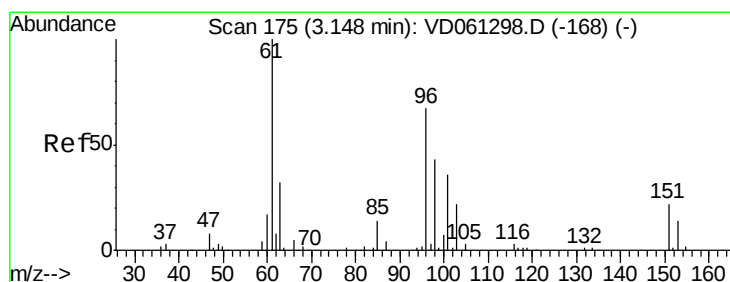
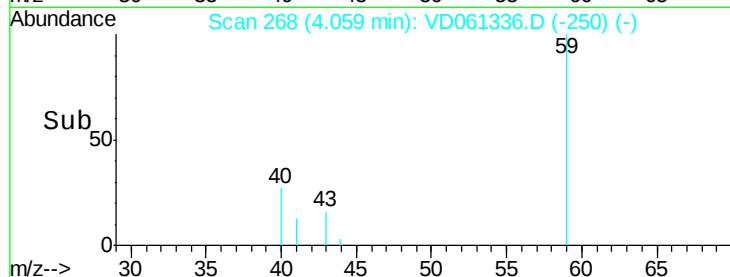
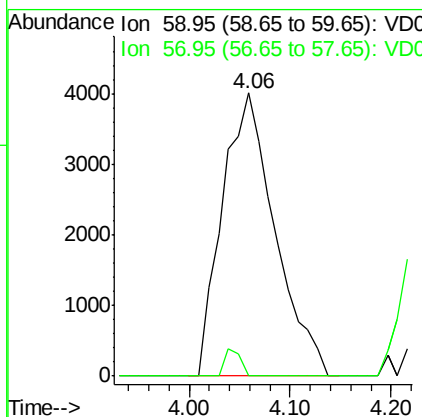
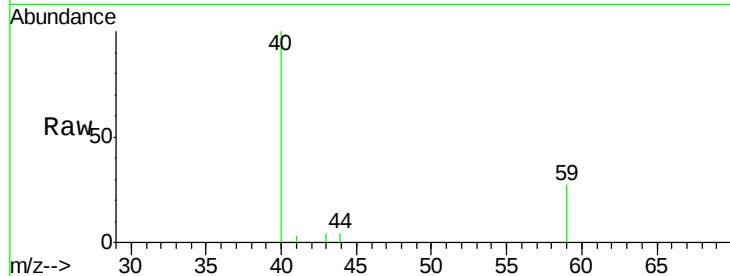
Tert butyl alcohol
 Concen: 372.797 ug/l
 RT: 4.06 min Scan# 268
 Delta R.T. -0.02 min
 Lab File: VD061336.D
 Acq: 26 Mar 2019 15:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0326SBS01

Tot Ion: 59 Resp: 14542
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.6 9.8#

Manual Integrations
 APPROVED

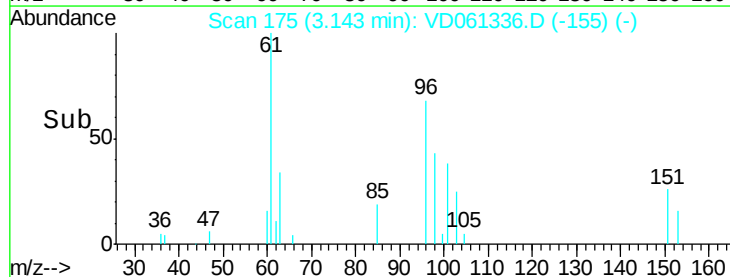
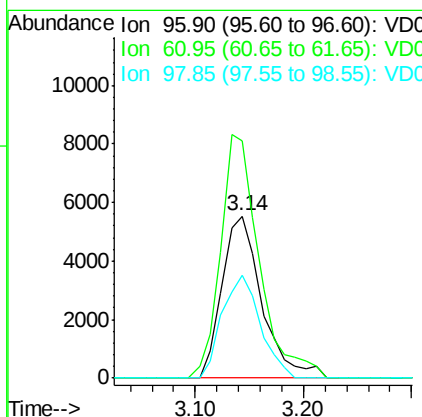
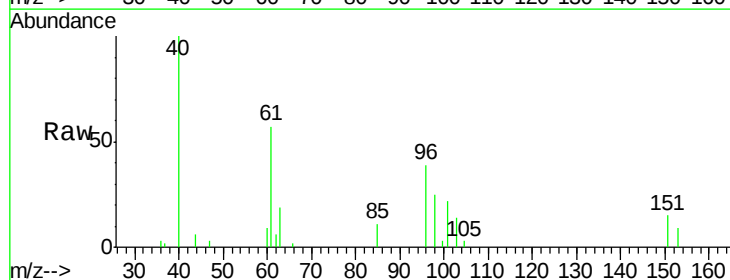
MMDadoda
 3/27/2019 12:02:25 PM

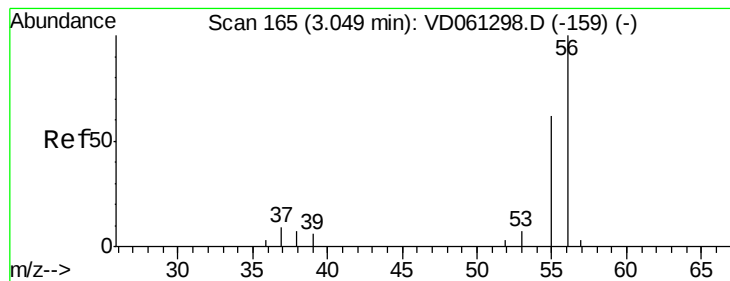


#12

1,1-Dichloroethene
 Concen: 17.297 ug/l
 RT: 3.14 min Scan# 175
 Delta R.T. -0.00 min
 Lab File: VD061336.D
 Acq: 26 Mar 2019 15:18

Tgt Ion: 96 Resp: 14183
 Ion Ratio Lower Upper
 96 100
 61 146.7 120.2 180.2
 98 63.7 52.2 78.4





#13

Acrolein

Concen: 302.967 ug/l

RT: 3.04 min Scan# 165

Delta R.T. -0.00 min

Lab File: VD061336.D

Acq: 26 Mar 2019 15:18

Instrument :

MSVOA_D

ClientSampleId :

VD0326SBS01

Tot Ion: 56 Resp: 12936

Ion Ratio Lower Upper

56 100

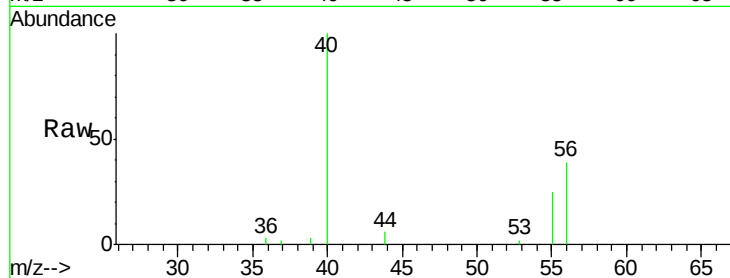
55 63.5 49.8 74.6

Manual Integrations

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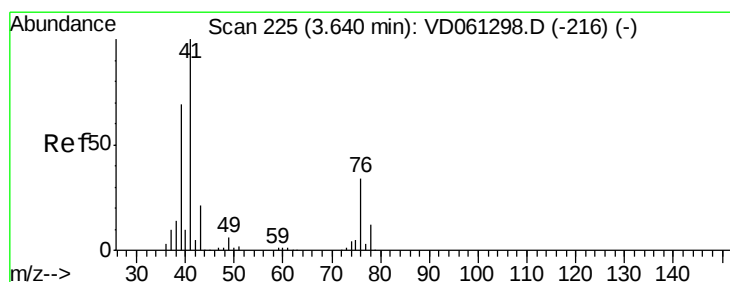
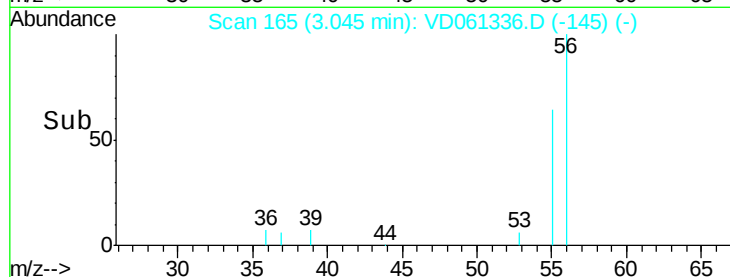
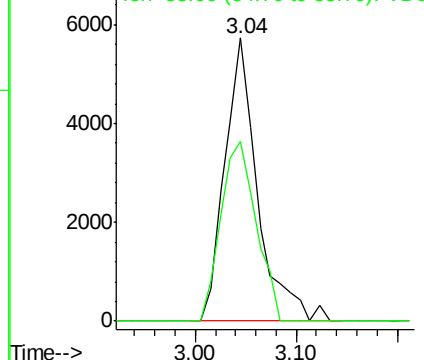
MMDadoda

3/27/2019 12:02:25 PM



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.414 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.01 min

Lab File: VD061336.D

Acq: 26 Mar 2019 15:18

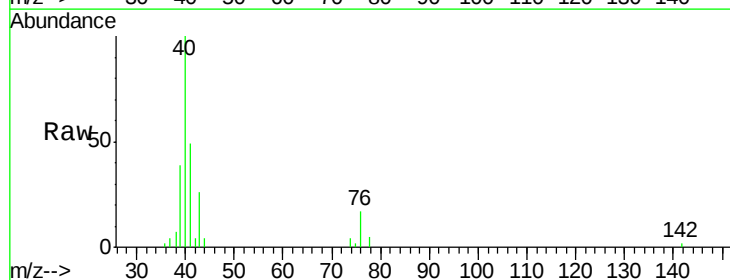
Tgt Ion: 41 Resp: 22582

Ion Ratio Lower Upper

41 100

39 79.6 55.1 82.7

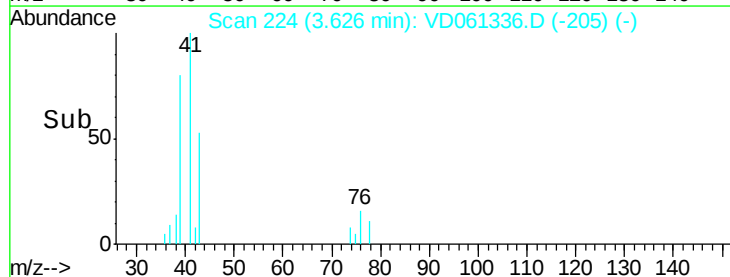
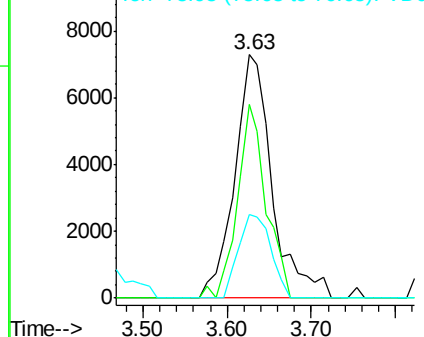
76 34.4 30.2 45.2

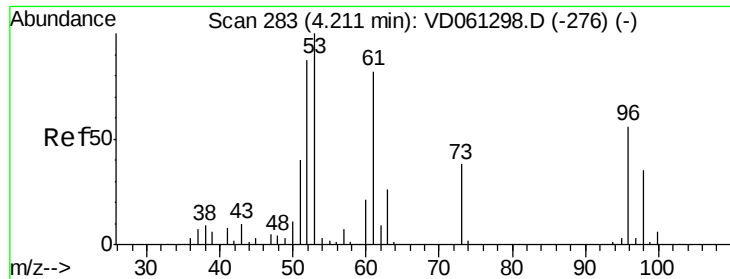


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 339.494 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD061336.D

Acq: 26 Mar 2019 15:18

Instrument :

MSVOA_D

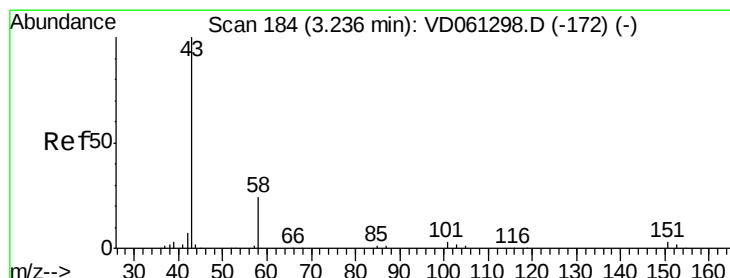
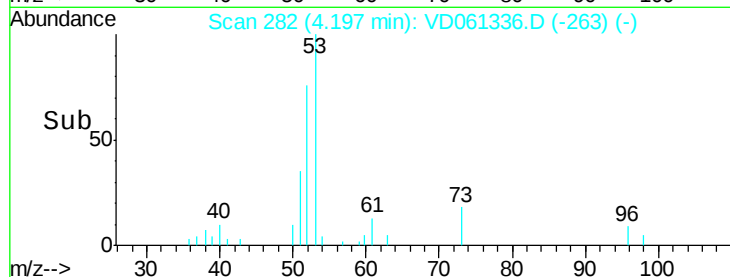
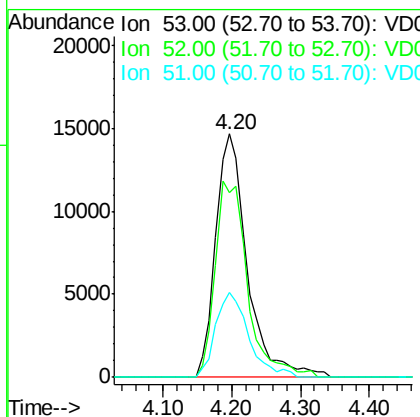
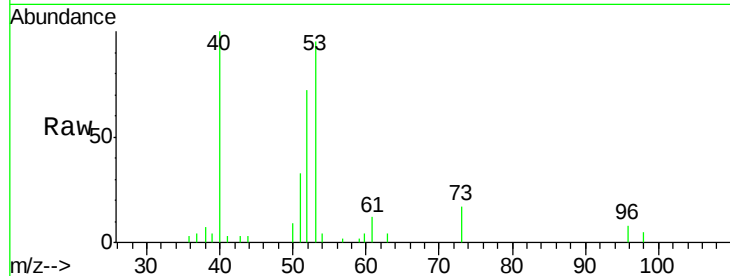
ClientSampleId :

VD0326SBS01

Tot Ion:	53	Resp:	46573
Ion	Ratio	Lower	Upper
53	100		
52	76.0	69.4	104.2
51	34.7	31.7	47.5

Manual Integrations
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#16

Acetone

Concen: 286.685 ug/l

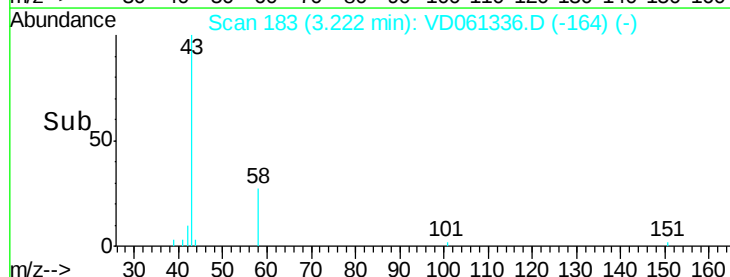
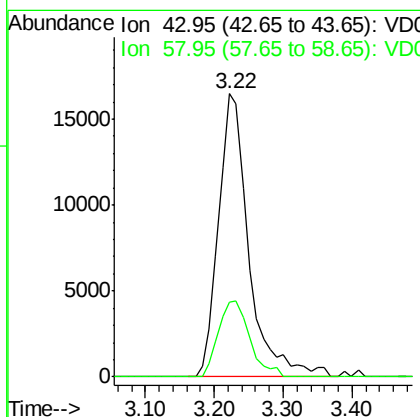
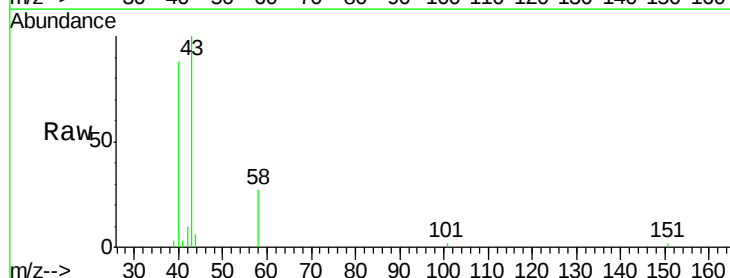
RT: 3.22 min Scan# 183

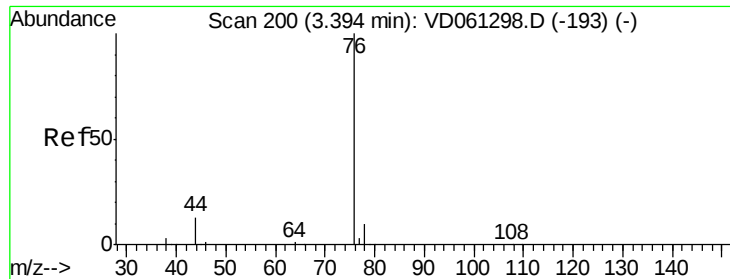
Delta R.T. -0.01 min

Lab File: VD061336.D

Acq: 26 Mar 2019 15:18

Tgt Ion:	43	Resp:	50249
Ion	Ratio	Lower	Upper
43	100		
58	26.5	19.4	29.0





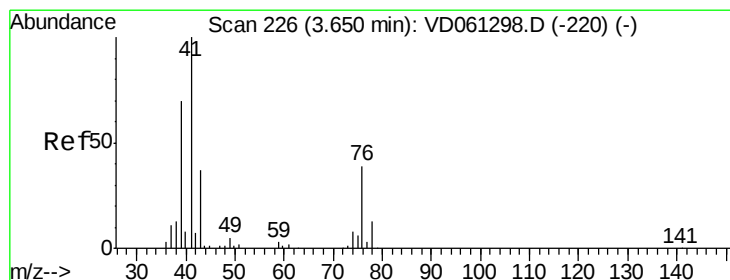
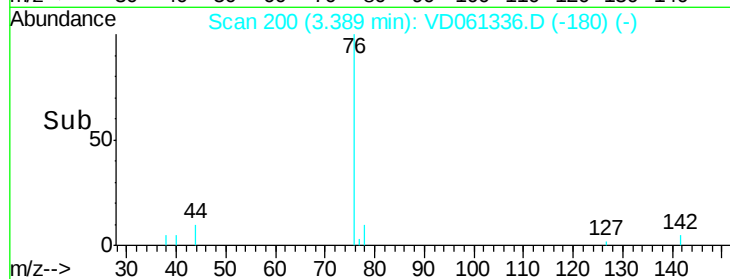
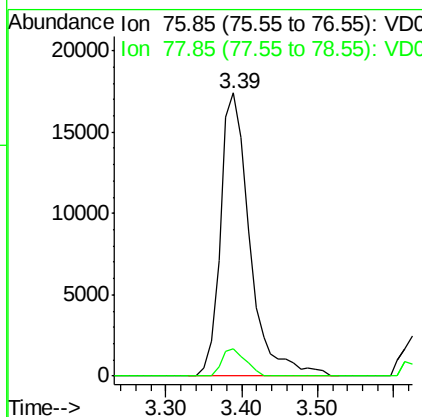
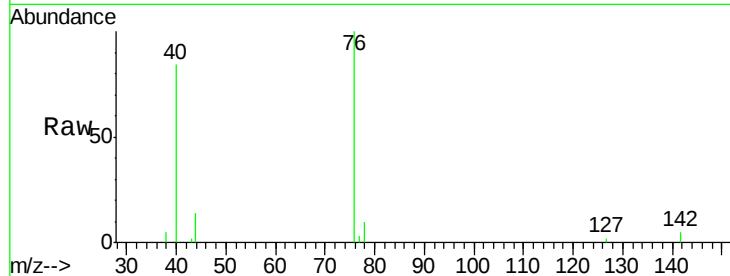
#17
Carbon Disulfide
Concen: 17.217 ug/l
RT: 3.39 min Scan# 200
Delta R.T. -0.00 min
Lab File: VD061336.D
Acq: 26 Mar 2019 15:18

Instrument :
MSVOA_D
ClientSampleId :
VD0326SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.8	11.6

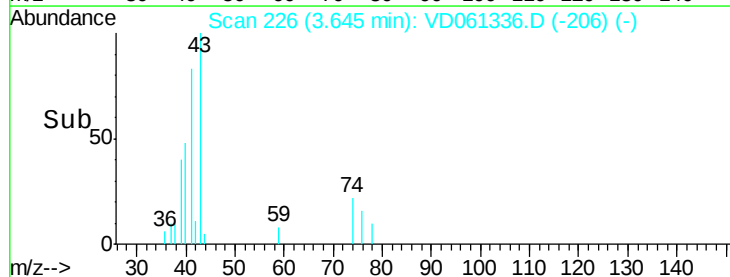
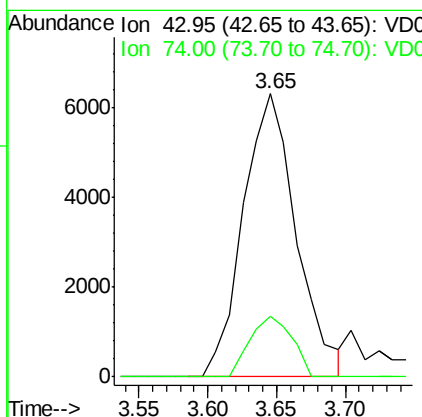
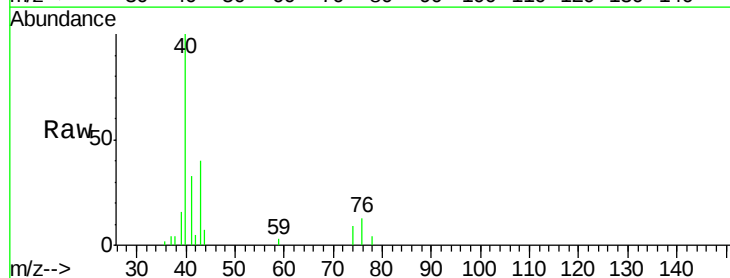
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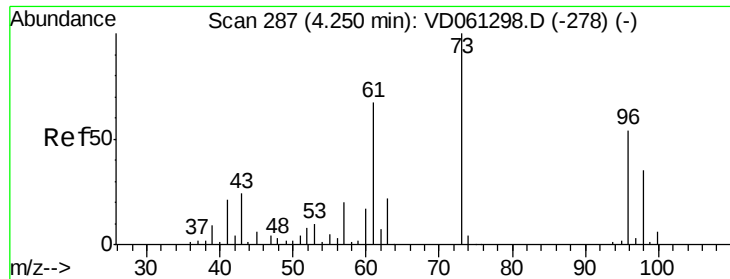
MMDadoda
3/27/2019 12:02:25 PM



#18
Methyl Acetate
Concen: 50.977 ug/l
RT: 3.65 min Scan# 226
Delta R.T. -0.00 min
Lab File: VD061336.D
Acq: 26 Mar 2019 15:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.6	16.6	25.0





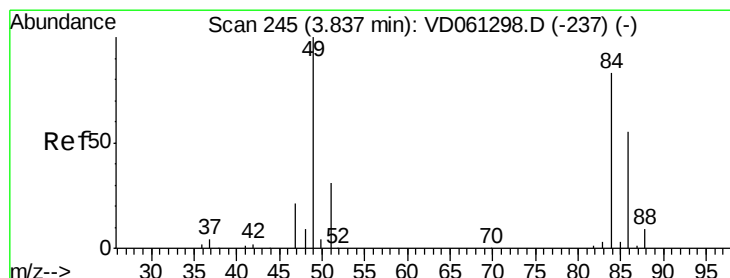
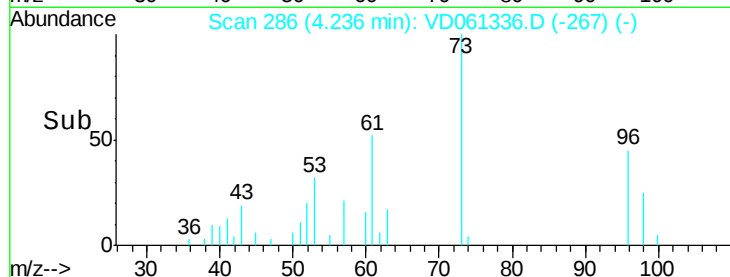
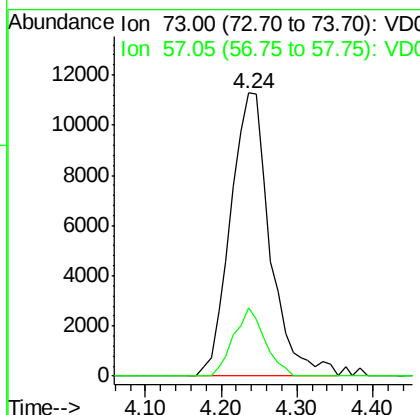
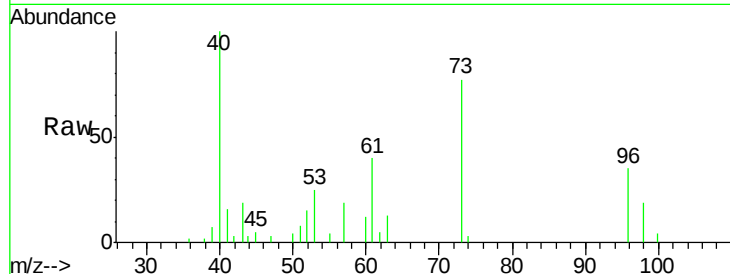
#19
Methyl tert-butyl Ether
Concen: 28.364 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.01 min
Lab File: VD061336.D
Acq: 26 Mar 2019 15:18

Instrument :
MSVOA_D
ClientSampleId :
VD0326SBS01

Tot Ion: 73 Resp: 40959
Ion Ratio Lower Upper
73 100
57 24.1 16.3 24.5

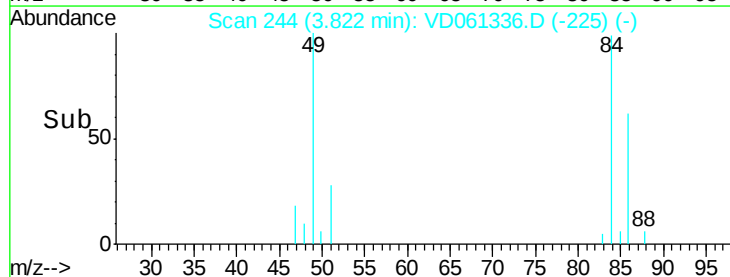
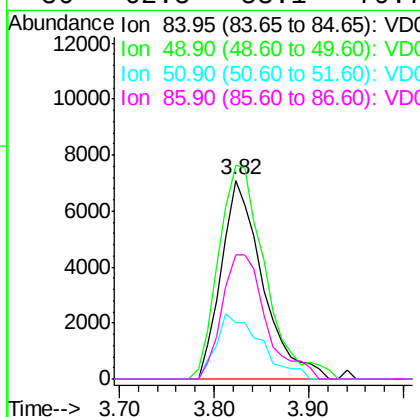
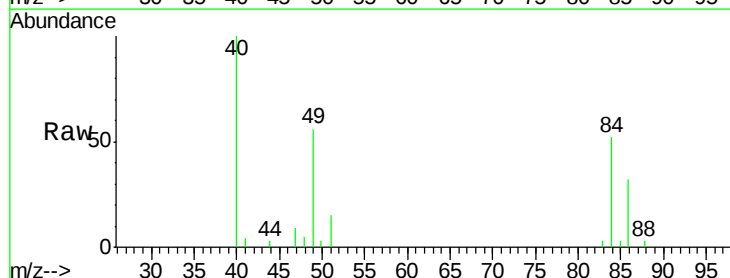
Manual Integrations
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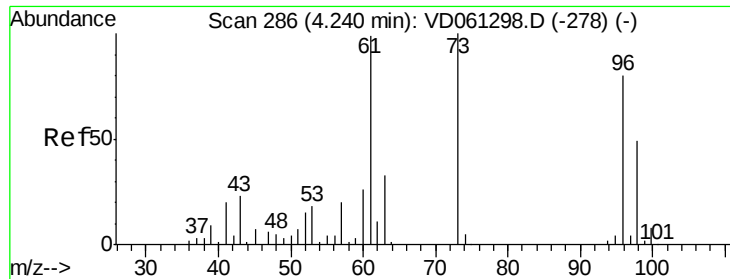
MMDadoda
3/27/2019 12:02:25 PM



#20
Methylene Chloride
Concen: 21.590 ug/l
RT: 3.82 min Scan# 244
Delta R.T. -0.01 min
Lab File: VD061336.D
Acq: 26 Mar 2019 15:18

Tgt Ion: 84 Resp: 21478
Ion Ratio Lower Upper
84 100
49 107.6 96.8 145.2
51 28.2 29.9 44.9#
86 62.5 53.1 79.7





#21

trans-1,2-Dichloroethene

Concen: 17.325 ug/l

RT: 4.23 min Scan# 285

Delta R.T. -0.01 min

Lab File: VD061336.D

Acq: 26 Mar 2019 15:18

Instrument :

MSVOA_D

ClientSampleId :

VD0326SBS01

Tot Ion: 96 Resp: 15892

Ion Ratio Lower Upper

96 100

61 130.4 99.2 148.8

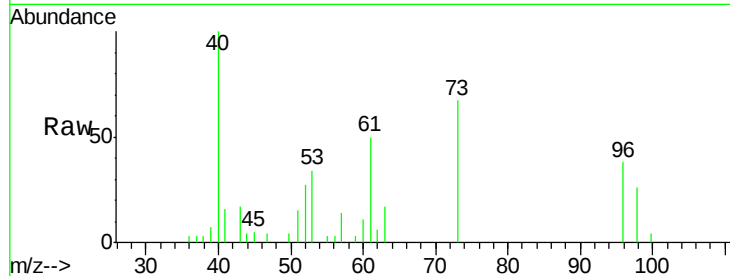
98 67.7 49.2 73.8

Manual Integrations

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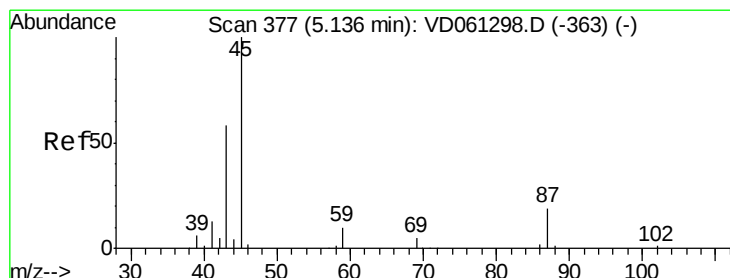
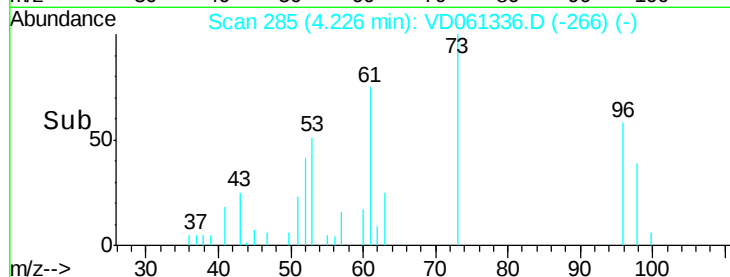
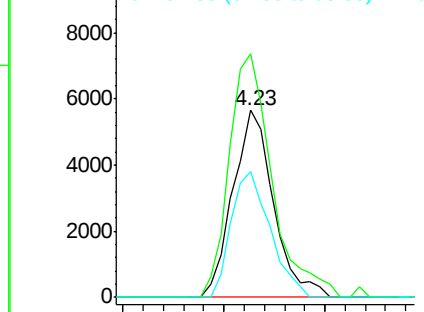
3/27/2019 12:02:25 PM



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



#22

Diisopropyl ether

Concen: 20.958 ug/l

RT: 5.12 min Scan# 376

Delta R.T. -0.01 min

Lab File: VD061336.D

Acq: 26 Mar 2019 15:18

Tgt Ion: 45 Resp: 51354

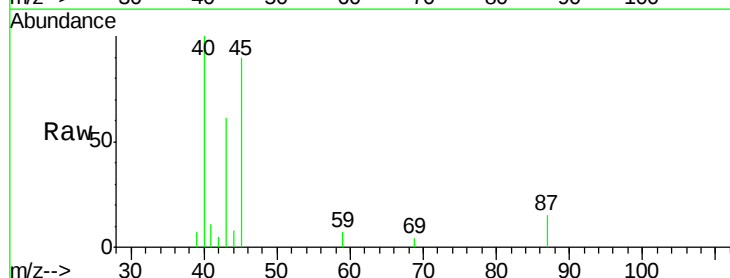
Ion Ratio Lower Upper

45 100

43 67.7 46.7 70.1

87 16.5 15.5 23.3

59 8.3 8.4 12.6#

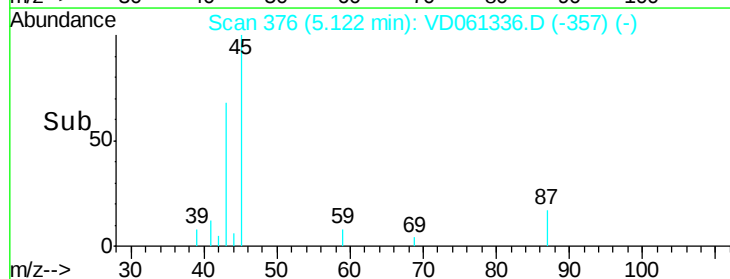
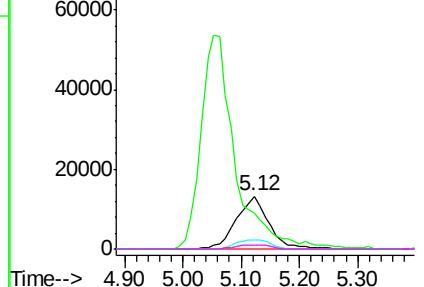


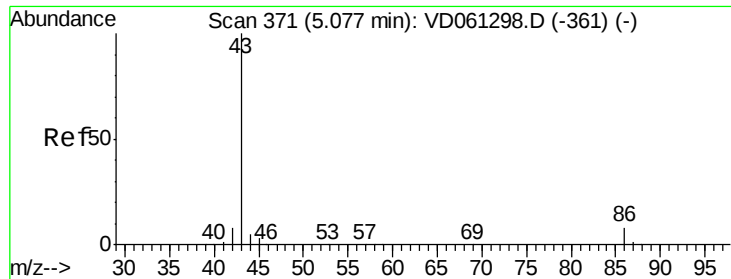
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 164.746 ug/l

RT: 5.05 min Scan# 369

Delta R.T. -0.02 min

Lab File: VD061336.D

Acq: 26 Mar 2019 15:18

Instrument :

MSVOA_D

ClientSampleId :

VD0326SBS01

Tot Ion: 43 Resp: 215606

Ion Ratio Lower Upper

43 100

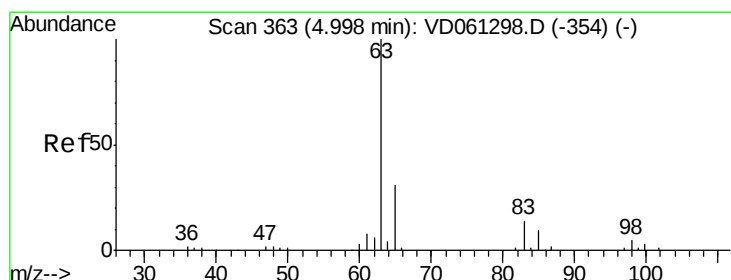
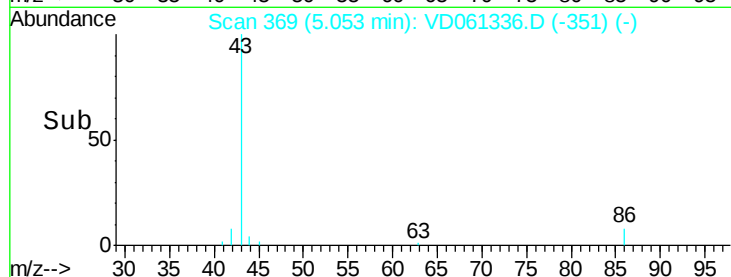
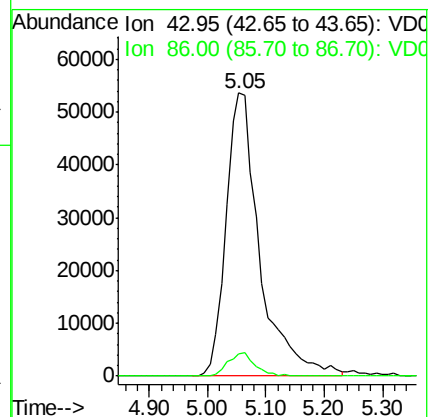
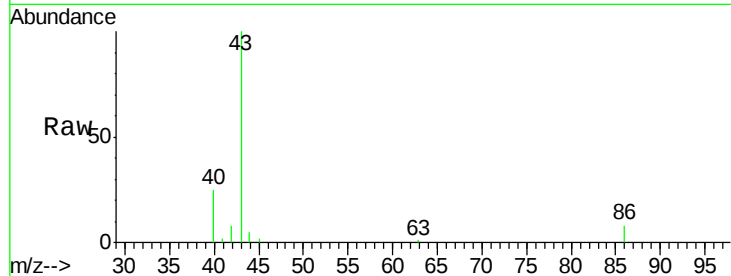
86 7.8 6.3 9.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 18.398 ug/l

RT: 4.99 min Scan# 363

Delta R.T. -0.00 min

Lab File: VD061336.D

Acq: 26 Mar 2019 15:18

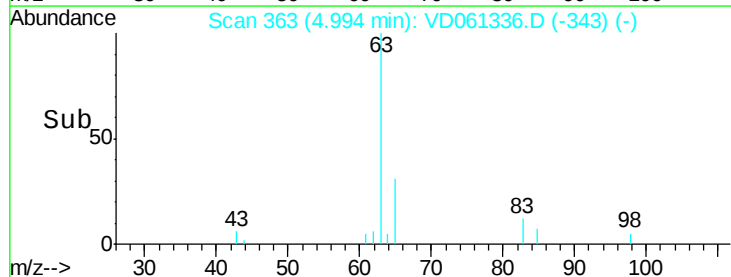
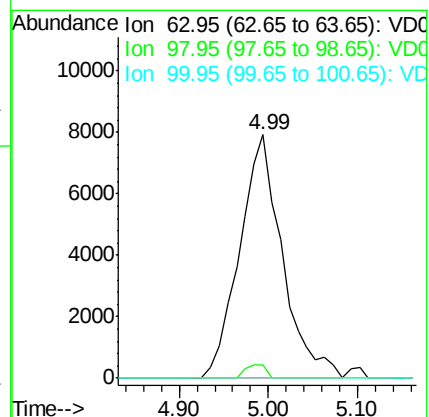
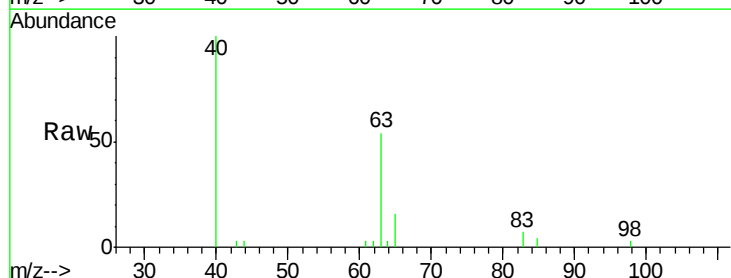
Tgt Ion: 63 Resp: 26271

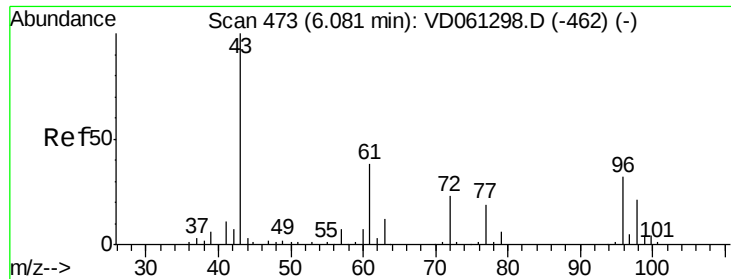
Ion Ratio Lower Upper

63 100

98 5.3 2.8 8.3

100 0.0 1.6 4.8#





#25

2-Butanone

Concen: 323.837 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.01 min

Lab File: VD061336.D

Acq: 26 Mar 2019 15:18

Instrument :

MSVOA_D

ClientSampleId :

VD0326SBS01

Tot Ion: 43 Resp: 65652

Ion Ratio Lower Upper

43 100

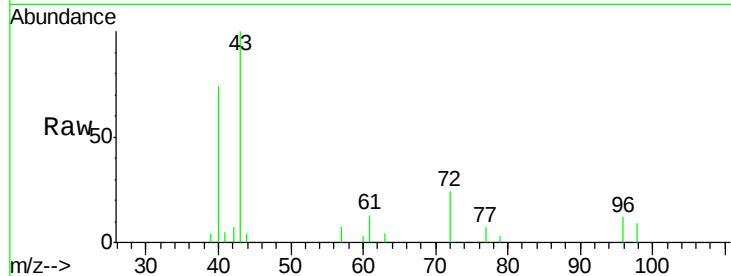
72 23.6 18.5 27.7

Manual Integrations

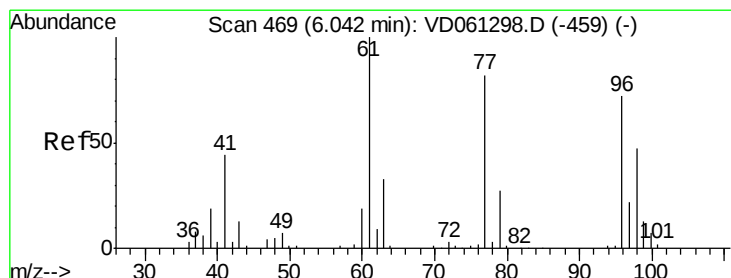
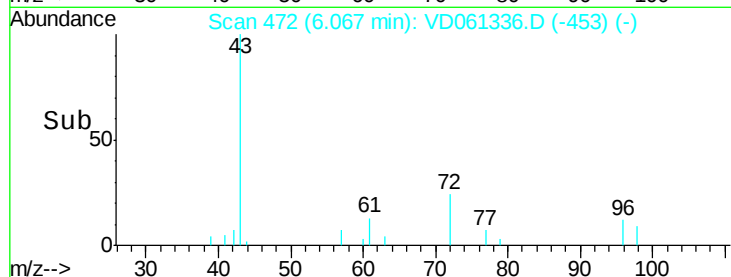
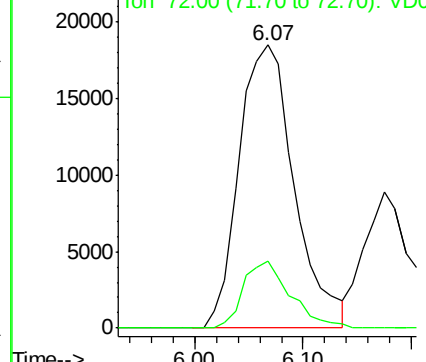
APPROVED

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Abundance Ion 42.95 (42.65 to 43.65): VDC



#26

2,2-Dichloropropane

Concen: 17.742 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD061336.D

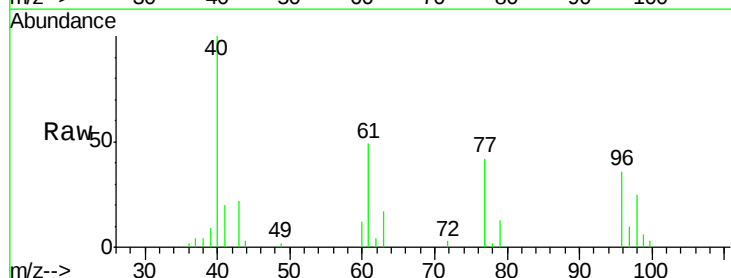
Acq: 26 Mar 2019 15:18

Tgt Ion: 77 Resp: 21512

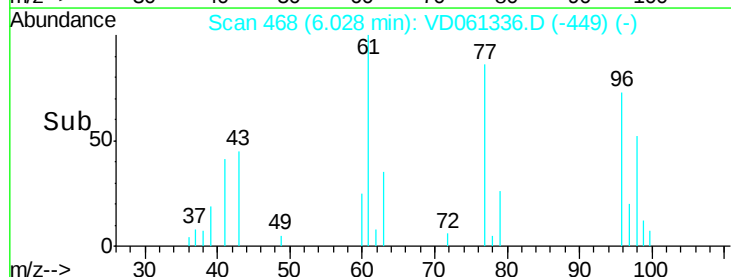
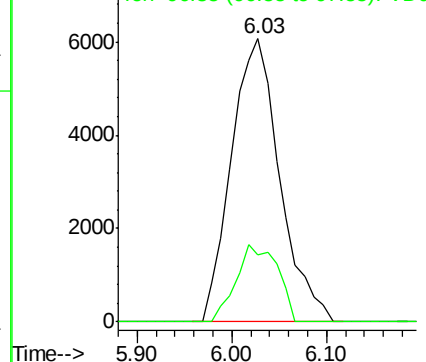
Ion Ratio Lower Upper

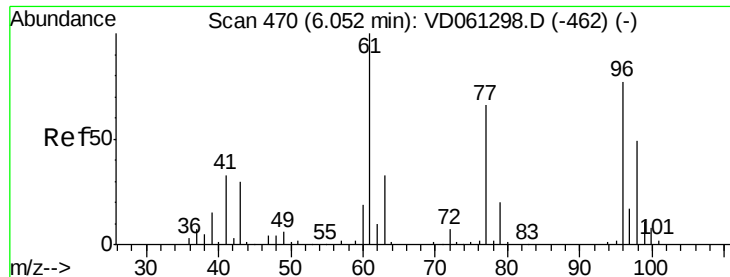
77 100

97 23.5 13.5 40.5



Abundance Ion 76.95 (76.65 to 77.65): VDC





#27

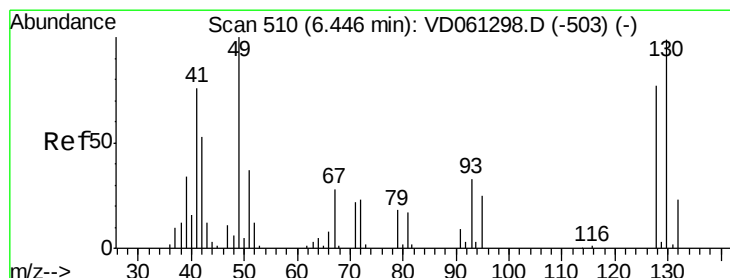
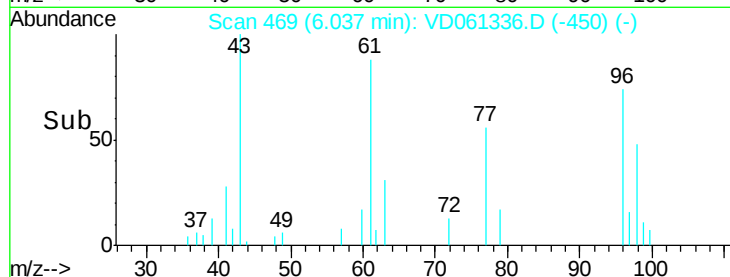
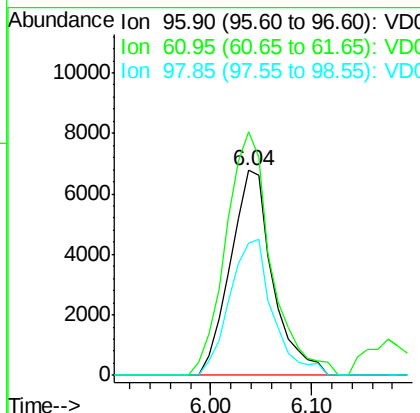
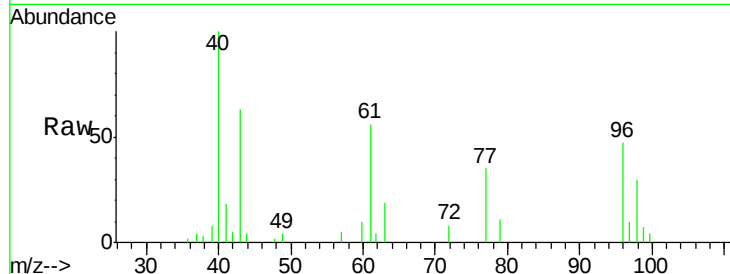
cis-1,2-Dichloroethene
Concen: 20.090 ug/l
RT: 6.04 min Scan# 469
Delta R.T. -0.01 min
Lab File: VD061336.D
Acq: 26 Mar 2019 15:18

Instrument :
MSVOA_D
ClientSampleID :
VD0326SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	118.9	0.0	261.0
98	64.6	0.0	127.6

Manual Integrations
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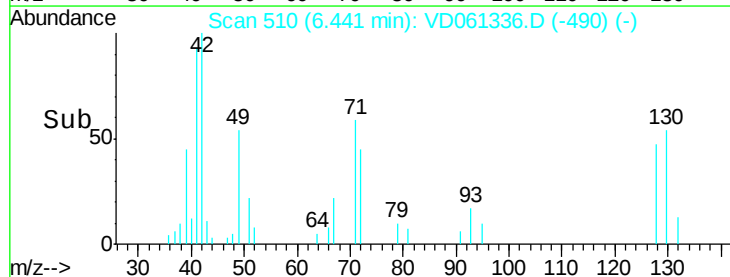
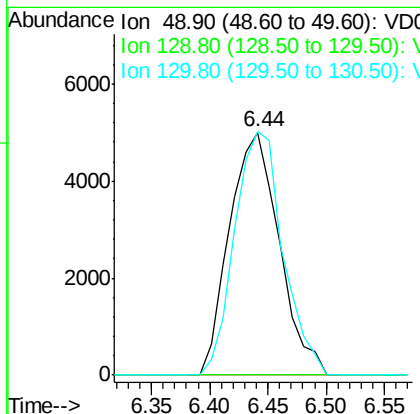
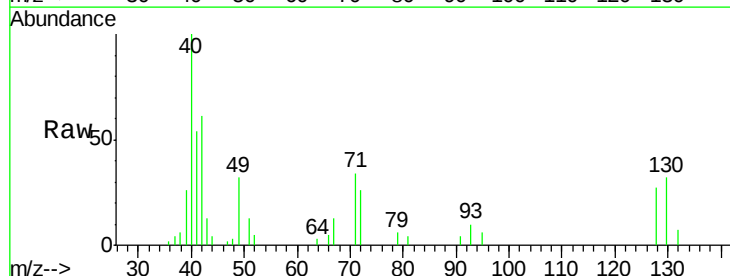
MMDadoda
3/27/2019 12:02:25 PM

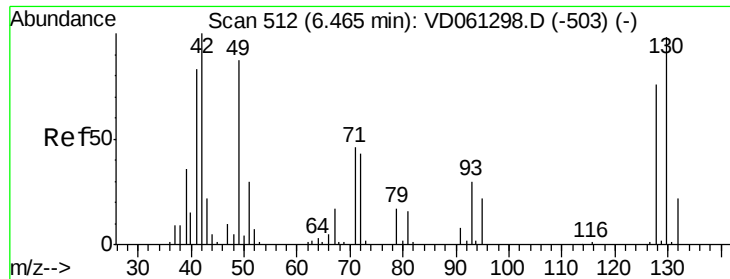


#28

Bromochloromethane
Concen: 24.724 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD061336.D
Acq: 26 Mar 2019 15:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.2
130	100.4	79.0	118.6





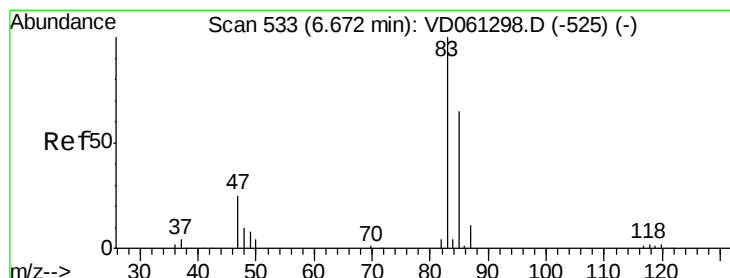
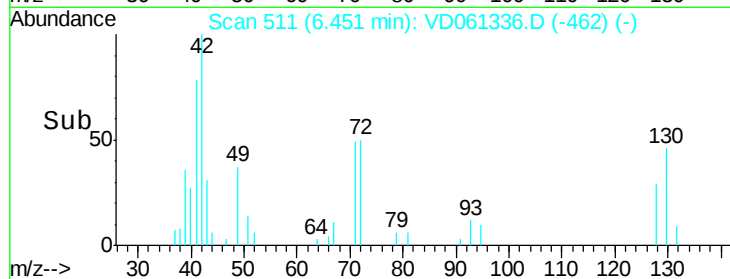
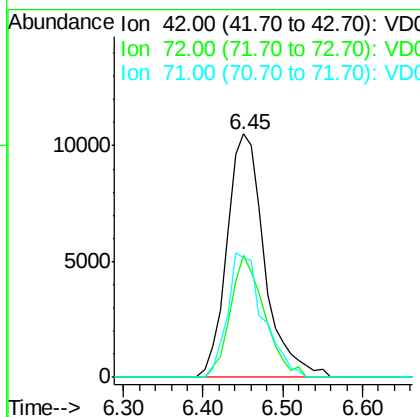
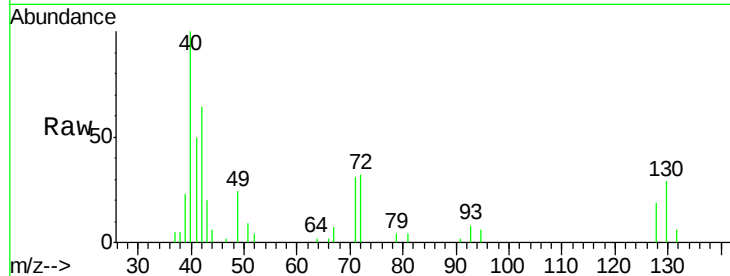
#29
Tetrahydrofuran
Concen: 343.060 ug/l
RT: 6.45 min Scan# 511
Delta R.T. -0.01 min
Lab File: VD061336.D
Acq: 26 Mar 2019 15:18

Instrument :
MSVOA_D
ClientSampleId :
VD0326SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.2	36.6	54.8
71	48.4	36.3	54.5

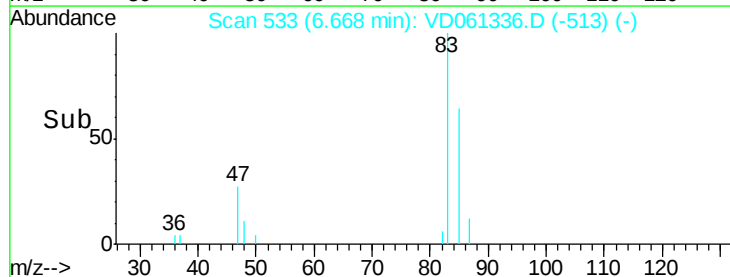
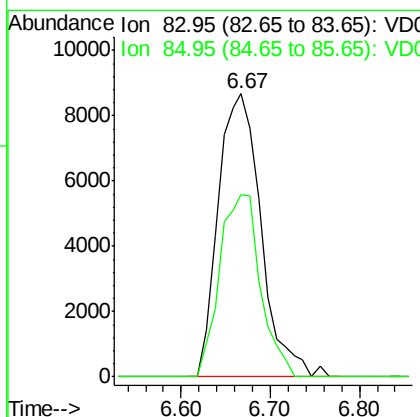
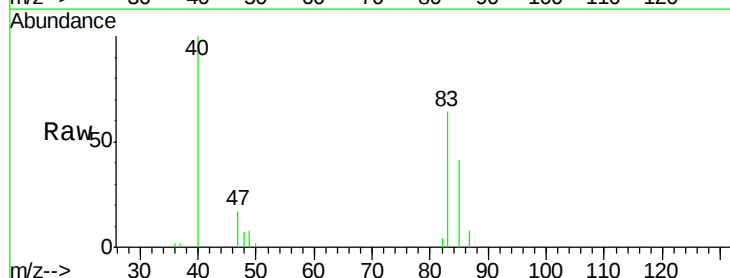
Manual Integrations
APPROVED

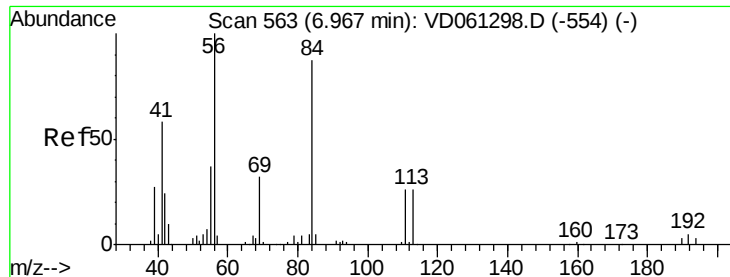
MMDadoda
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#30
Chloroform
Concen: 19.071 ug/l
RT: 6.67 min Scan# 533
Delta R.T. -0.00 min
Lab File: VD061336.D
Acq: 26 Mar 2019 15:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.2	78.2





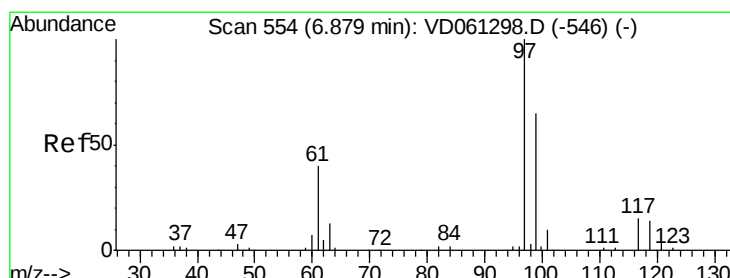
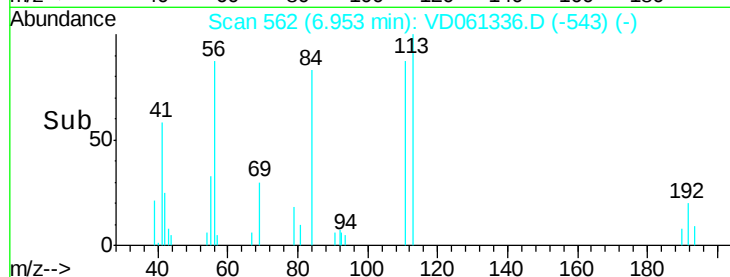
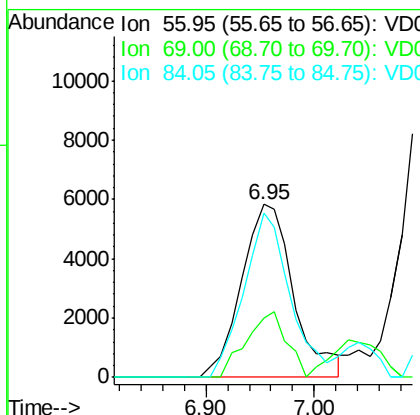
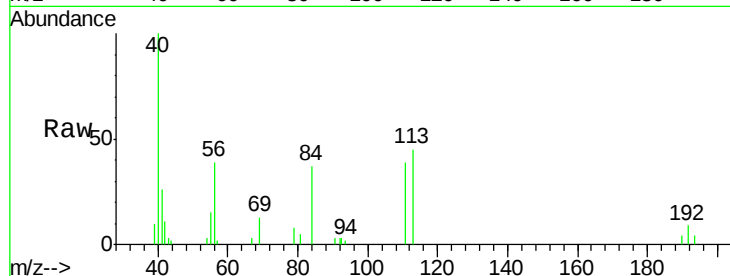
#31
Cyclohexane
Concen: 16.802 ug/l
RT: 6.95 min Scan# 562
Delta R.T. -0.01 min
Lab File: VD061336.D
Acq: 26 Mar 2019 15:18

Instrument :
MSVOA_D
ClientSampleId :
VD0326SBS01

Tot Ion	56	Resp	19473
Ion Ratio	Lower	Upper	
56	100		
69	34.4	25.5	38.3
84	95.1	71.4	107.2

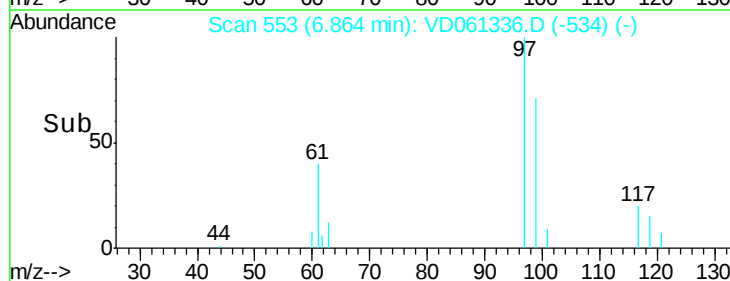
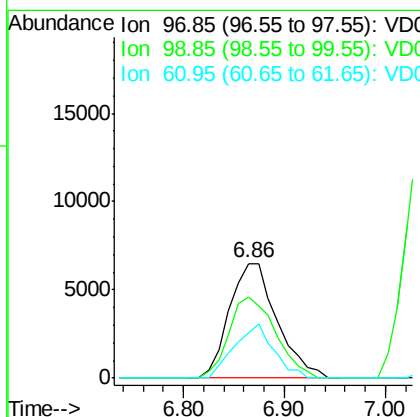
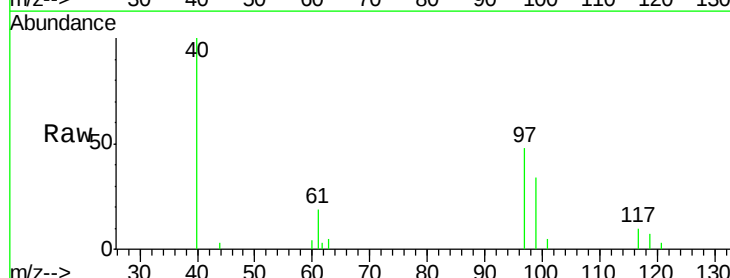
Manual Integrations
APPROVED

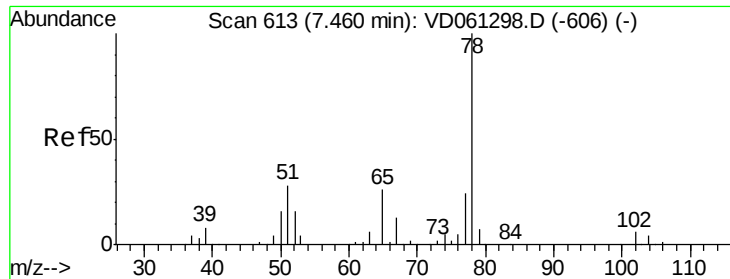
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 15.783 ug/l
RT: 6.86 min Scan# 553
Delta R.T. -0.01 min
Lab File: VD061336.D
Acq: 26 Mar 2019 15:18

Tgt Ion	97	Resp	21270
Ion Ratio	Lower	Upper	
97	100		
99	70.8	51.8	77.6
61	39.5	31.9	47.9





#33

1,2-Dichloroethane-d4

Concen: 15.783 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD061336.D

Acq: 26 Mar 2019 15:18

Instrument :

MSVOA_D

ClientSampleId :

VD0326SBSD01

Tot Ion: 65 Resp: 50551

Ion Ratio Lower Upper

65 100

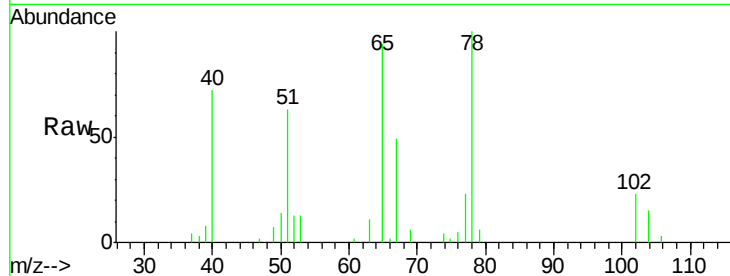
67 52.6 0.0 100.8

Manual Integrations

APPROVED

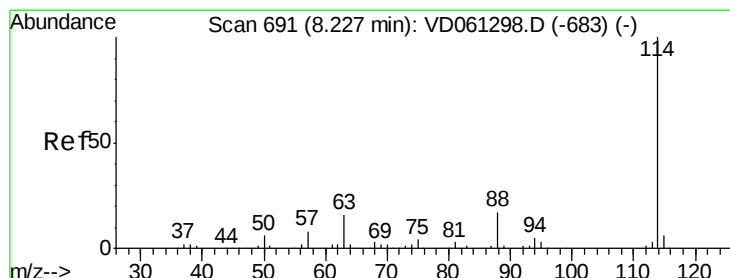
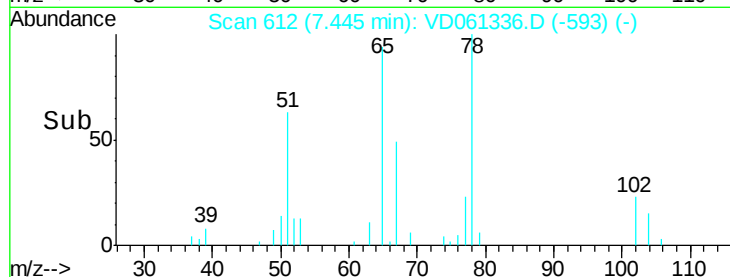
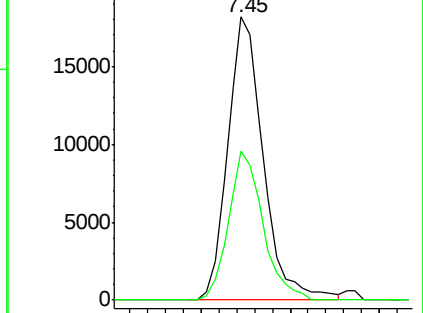
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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 690

Delta R.T. -0.01 min

Lab File: VD061336.D

Acq: 26 Mar 2019 15:18

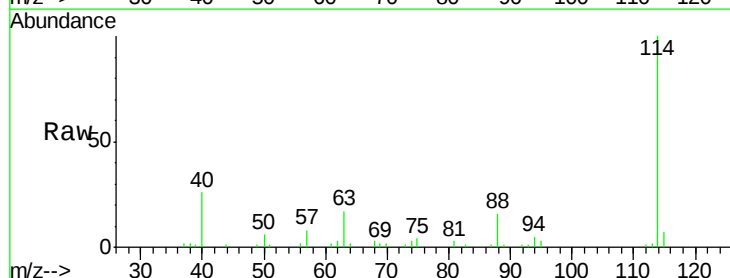
Tgt Ion: 114 Resp: 143752

Ion Ratio Lower Upper

114 100

63 16.9 0.0 31.4

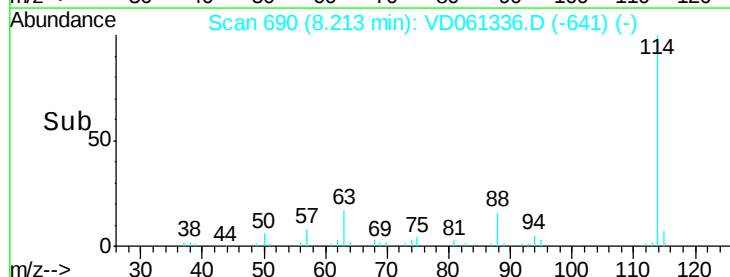
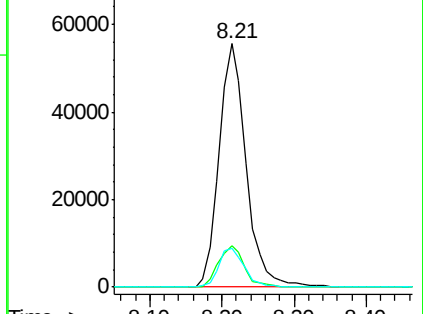
88 15.8 0.0 33.2

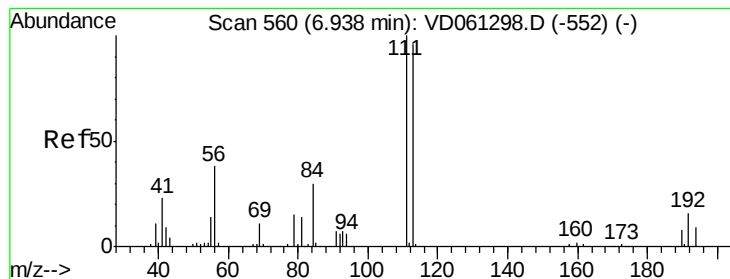


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD061336.D

Acq: 26 Mar 2019 15:18

Instrument :

MSVOA_D

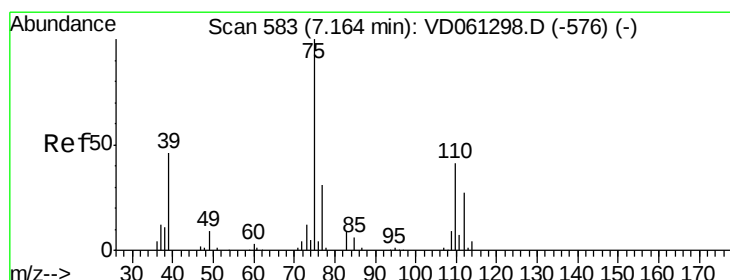
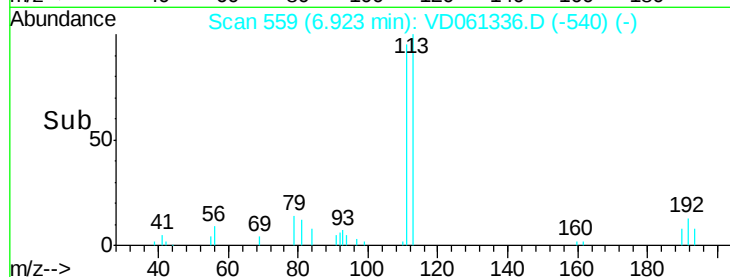
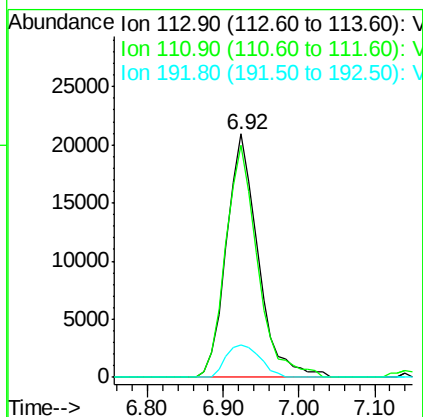
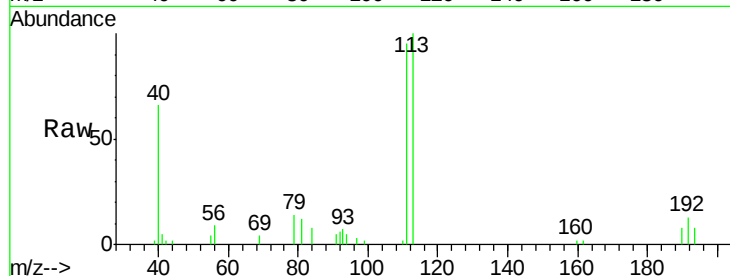
ClientSampleId :

VD0326SBSD01

Tot Ion:	113	Resp:	60441
Ion	Ratio	Lower	Upper
113	100		
111	95.2	83.7	125.5
192	13.4	13.4	20.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 15.997 ug/l

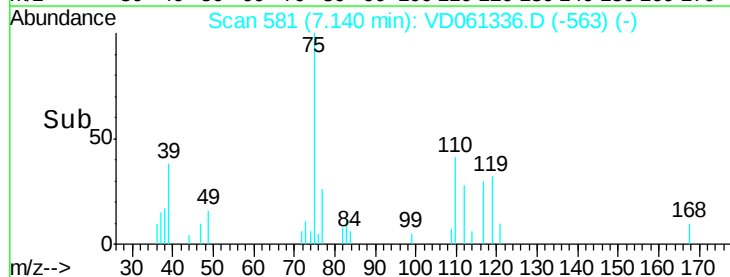
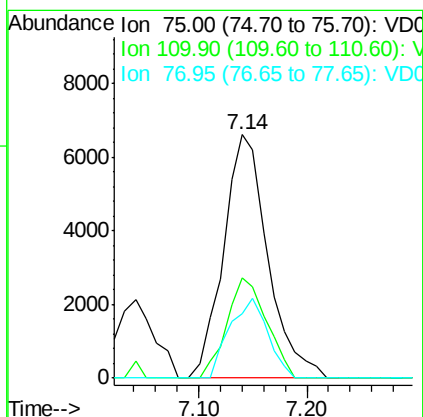
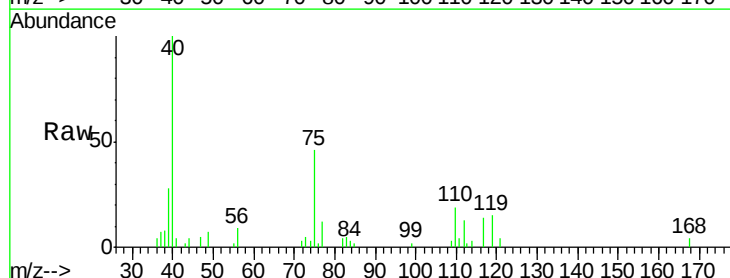
RT: 7.14 min Scan# 581

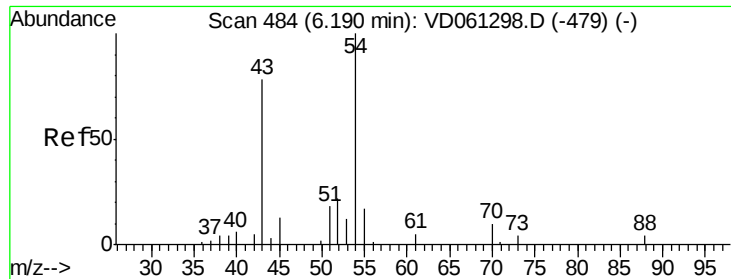
Delta R.T. -0.02 min

Lab File: VD061336.D

Acq: 26 Mar 2019 15:18

Tgt Ion:	75	Resp:	18814
Ion	Ratio	Lower	Upper
75	100		
110	41.0	20.1	60.2
77	26.4	24.3	36.5





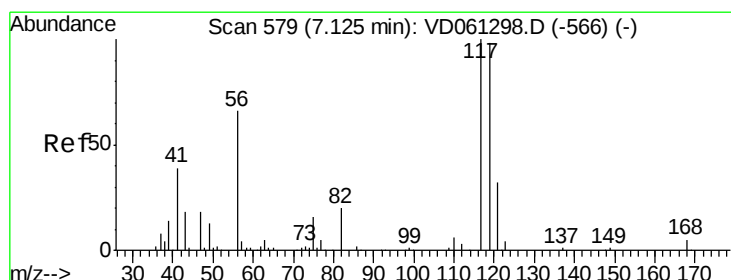
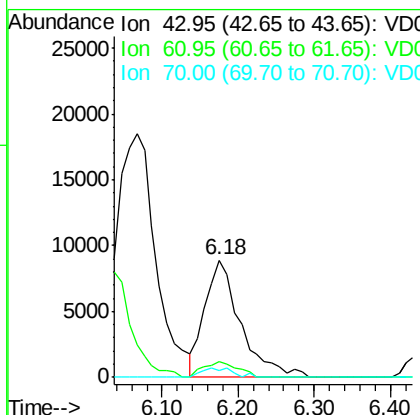
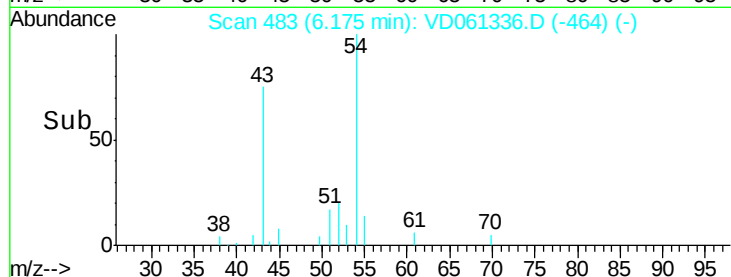
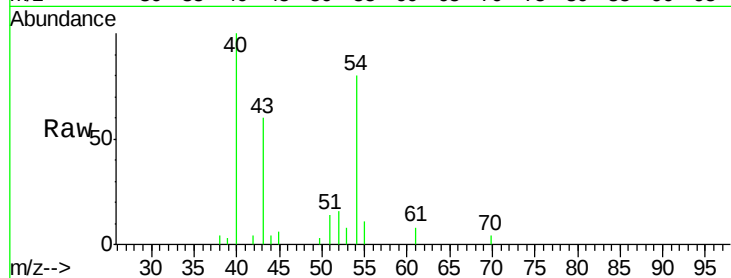
#37
Ethyl Acetate
Concen: 58.802 ug/l m
RT: 6.18 min Scan# 483
Delta R.T. -0.01 min
Lab File: VD061336.D
Acq: 26 Mar 2019 15:18

Instrument :
MSVOA_D
ClientSampleID :
VD0326SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	12.6	19.0
70	6.2	8.2	12.4

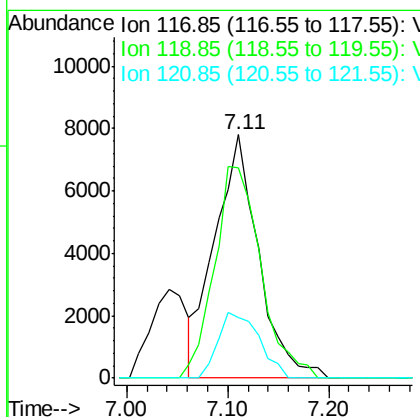
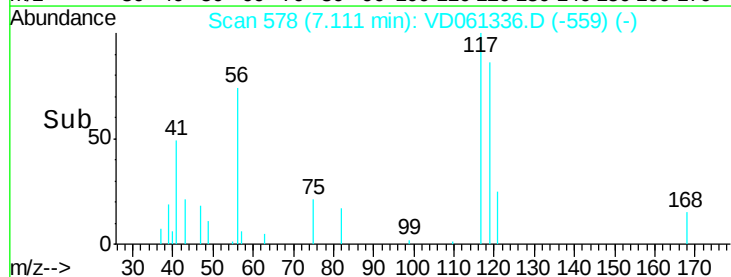
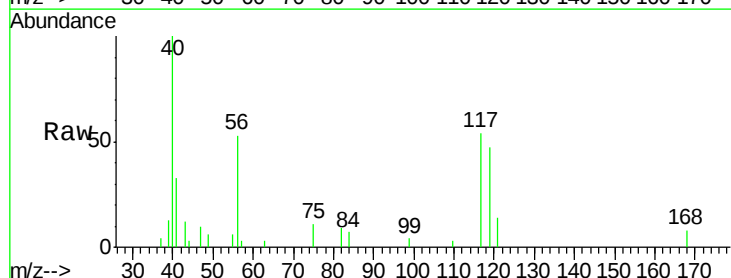
Manual Integrations
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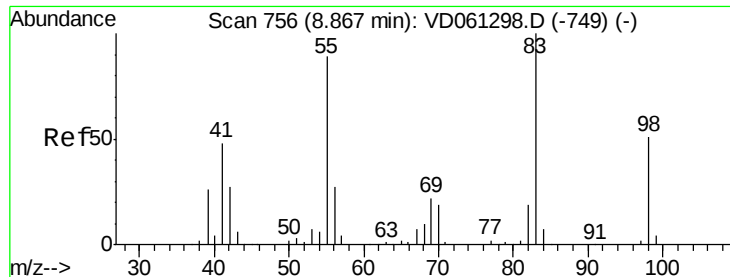
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3/27/2019 12:02:25 PM



#38
Carbon Tetrachloride
Concen: 17.490 ug/l
RT: 7.11 min Scan# 578
Delta R.T. -0.01 min
Lab File: VD061336.D
Acq: 26 Mar 2019 15:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	86.4	78.4	117.6
121	25.1	25.1	37.7





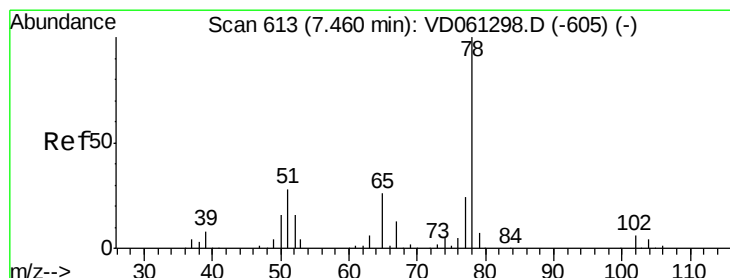
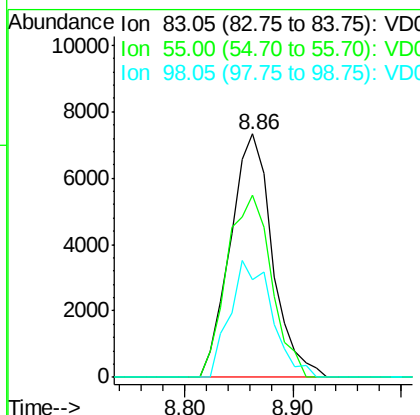
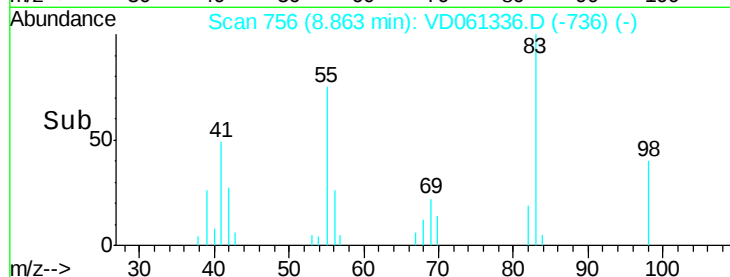
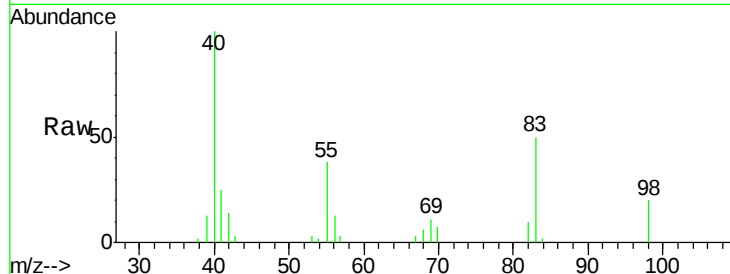
#39
Methvlcvclohexane
Concen: 16.328 ug/l
RT: 8.86 min Scan# 756
Delta R.T. -0.00 min
Lab File: VD061336.D
Acq: 26 Mar 2019 15:18

Instrument :
MSVOA_D
ClientSampleId :
VD0326SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.1	71.3	106.9
98	40.3	40.4	60.6#

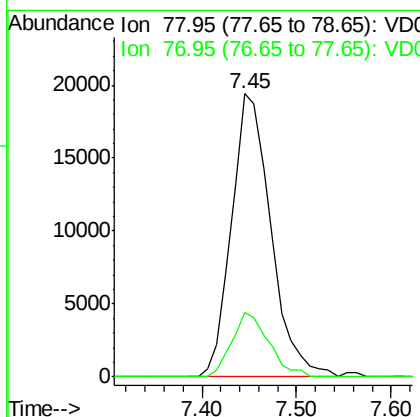
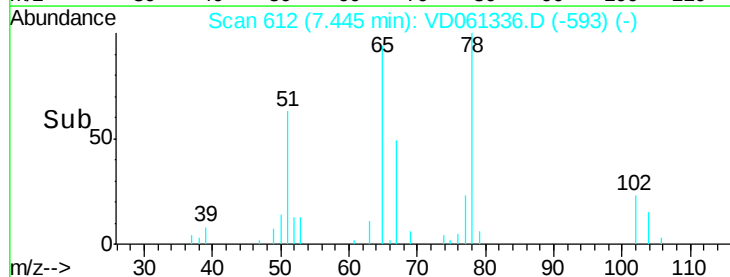
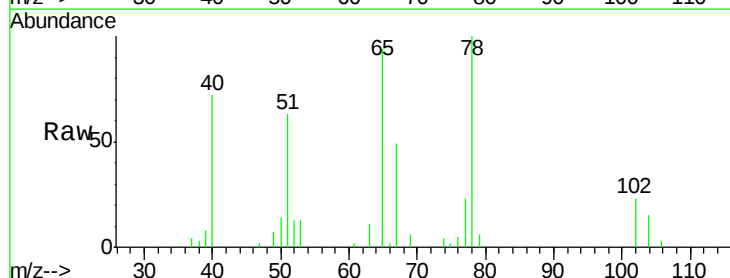
Manual Integrations
APPROVED

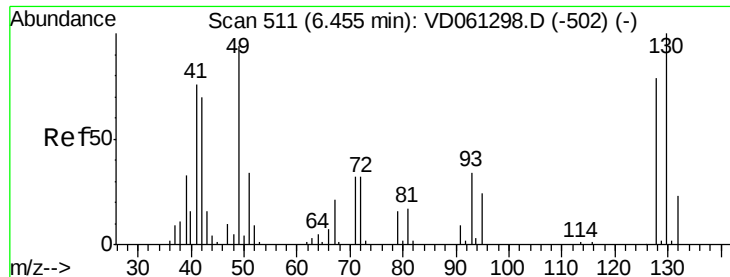
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3/27/2019 12:02:25 PM



#40
Benzene
Concen: 19.174 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.01 min
Lab File: VD061336.D
Acq: 26 Mar 2019 15:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.8	28.2





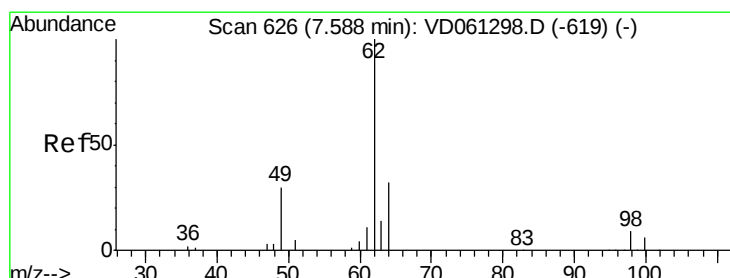
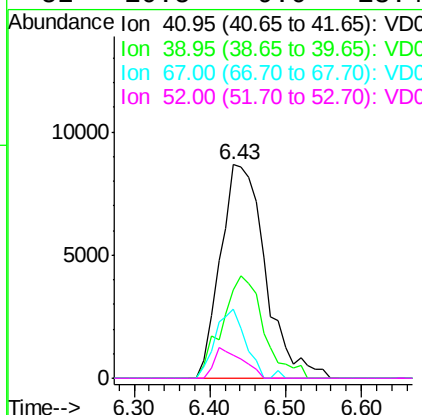
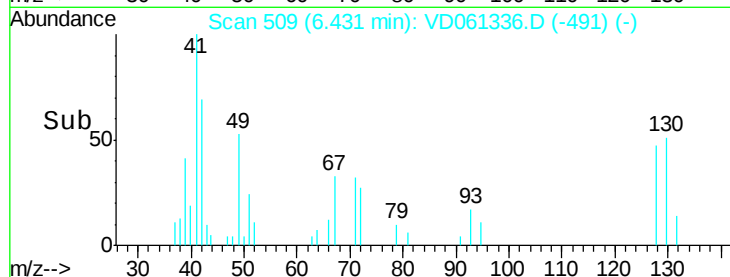
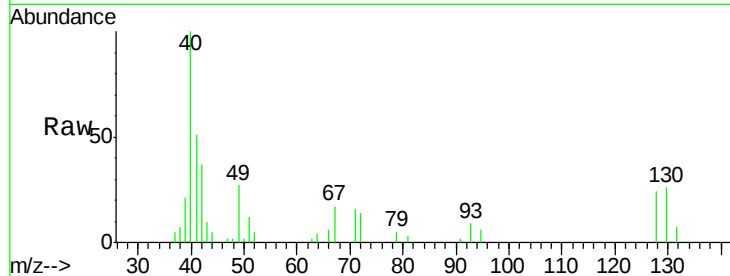
#41
Methacrylonitrile
Concen: 62.433 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.02 min
Lab File: VD061336.D
Acq: 26 Mar 2019 15:18

Instrument :
MSVOA_D
ClientSampleId :
VD0326SBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	41.4	34.2	51.2	
67	32.6	21.8	32.6	
52	10.5	9.0	13.4	

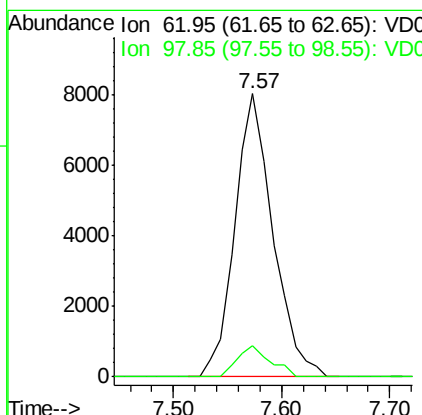
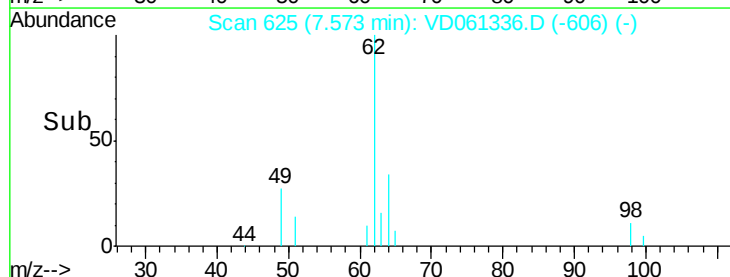
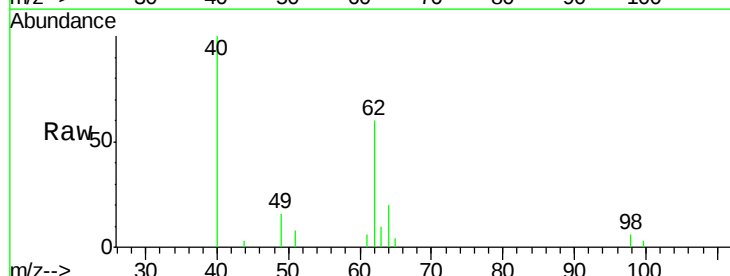
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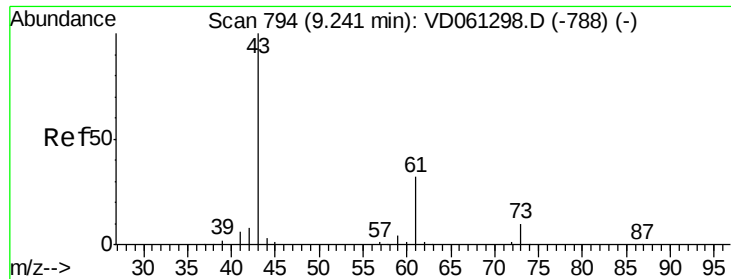
MMDadoda
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#42
1,2-Dichloroethane
Concen: 21.625 ug/l
RT: 7.57 min Scan# 625
Delta R.T. -0.01 min
Lab File: VD061336.D
Acq: 26 Mar 2019 15:18

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.9	0.0	18.6	





#43

Isopropyl Acetate

Concen: 47.411 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.00 min

Lab File: VD061336.D

Acq: 26 Mar 2019 15:18

Instrument :

MSVOA_D

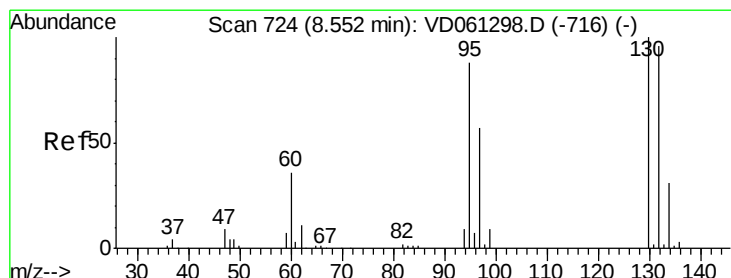
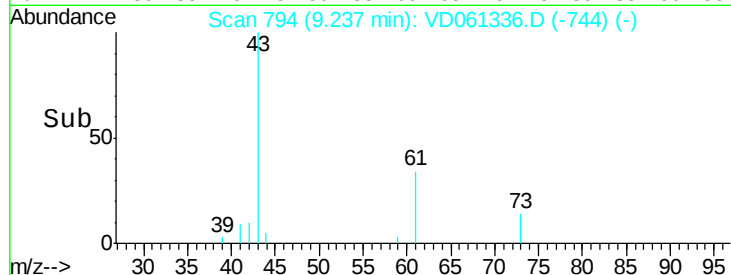
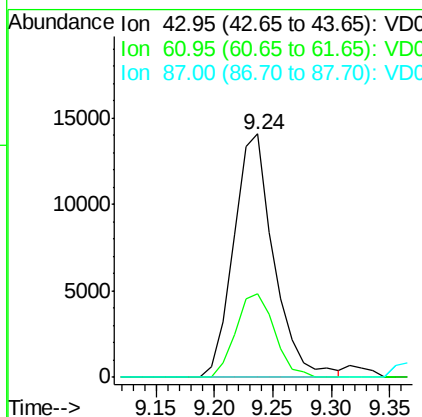
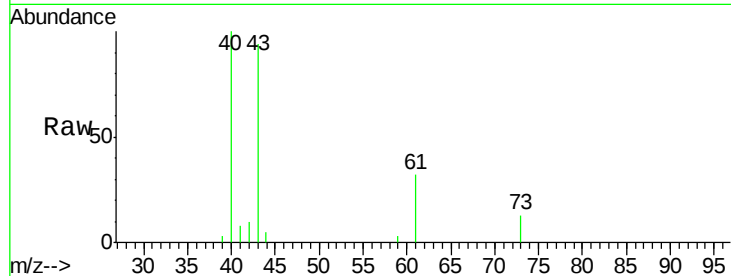
ClientSampleID :

VD0326SBS01

Tot Ion:	43	Resp:	33582
Ion	Ratio	Lower	Upper
43	100		
61	34.1	25.8	38.8
87	0.0	0.3	0.5

Manual Integrations
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#44

Trichloroethene

Concen: 18.225 ug/l

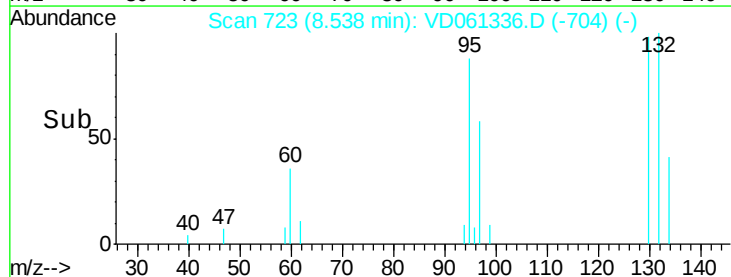
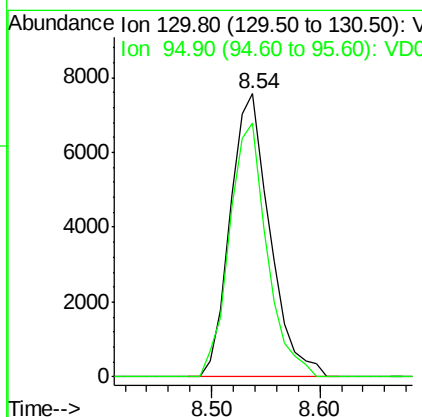
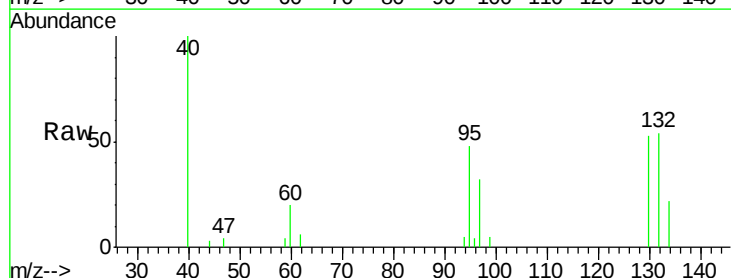
RT: 8.54 min Scan# 723

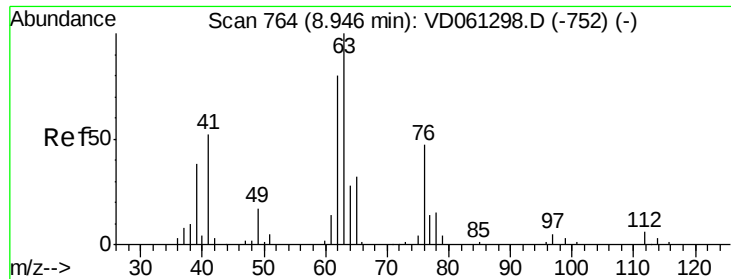
Delta R.T. -0.01 min

Lab File: VD061336.D

Acq: 26 Mar 2019 15:18

Tgt Ion:	130	Resp:	19253
Ion	Ratio	Lower	Upper
130	100		
95	89.8	0.0	175.0





#45

1,2-Dichloropropane

Concen: 18.757 ug/l

RT: 8.93 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD061336.D

Acq: 26 Mar 2019 15:18

Instrument :

MSVOA_D

ClientSampleId :

VD0326SBS01

Tot Ion: 63 Resp: 13522

Ion Ratio Lower Upper

63 100

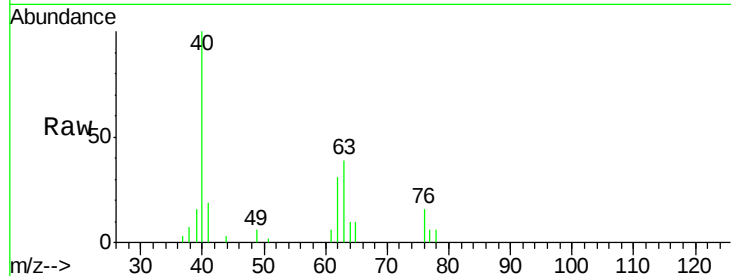
65 24.4 25.2 37.8#

Manual Integrations

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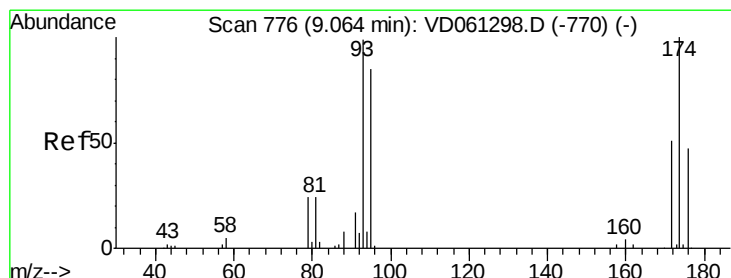
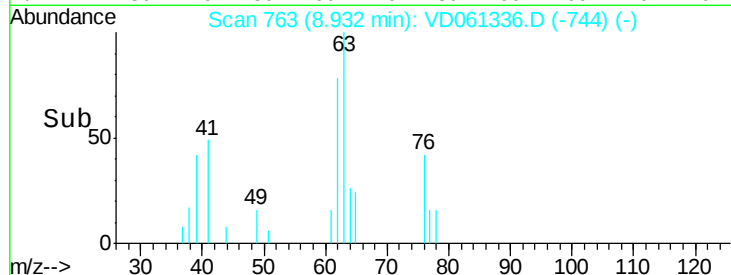
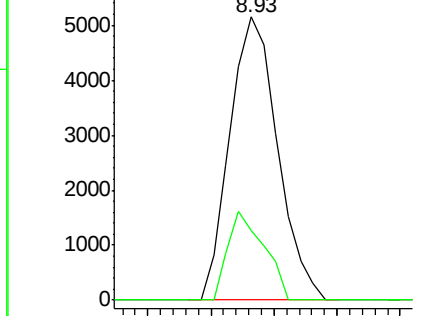
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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 27.301 ug/l

RT: 9.06 min Scan# 776

Delta R.T. -0.00 min

Lab File: VD061336.D

Acq: 26 Mar 2019 15:18

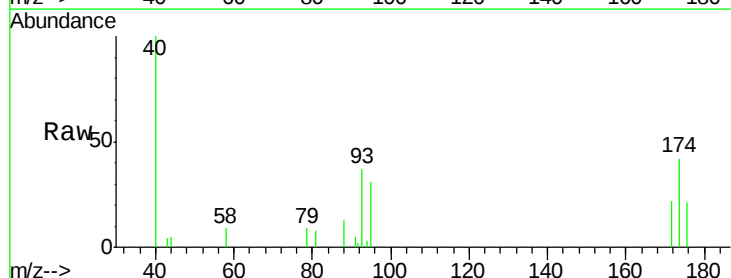
Tgt Ion: 93 Resp: 13491

Ion Ratio Lower Upper

93 100

95 85.3 68.1 102.1

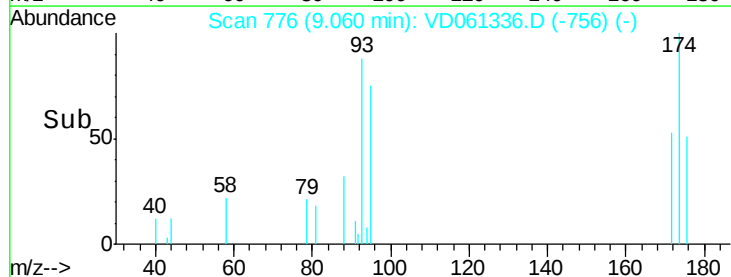
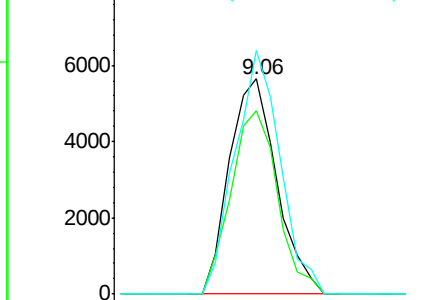
174 113.2 80.4 120.6

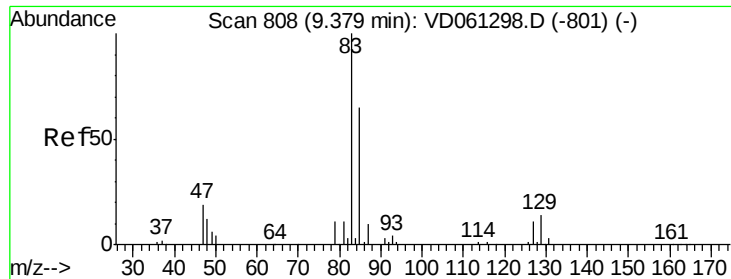


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 18.854 ug/l

RT: 9.36 min Scan# 807

Delta R.T. -0.01 min

Lab File: VD061336.D

Acq: 26 Mar 2019 15:18

Instrument :

MSVOA_D

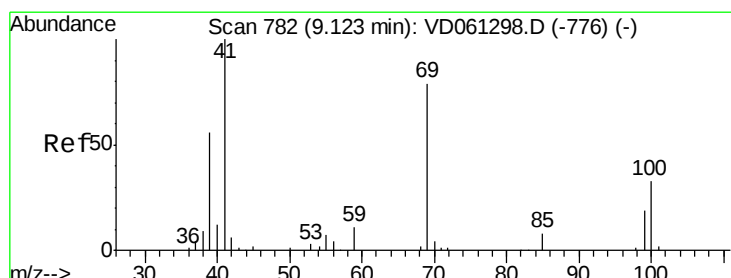
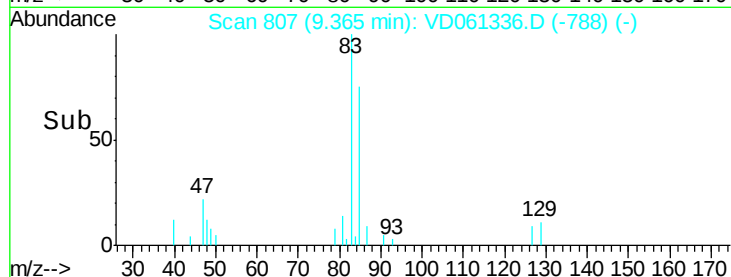
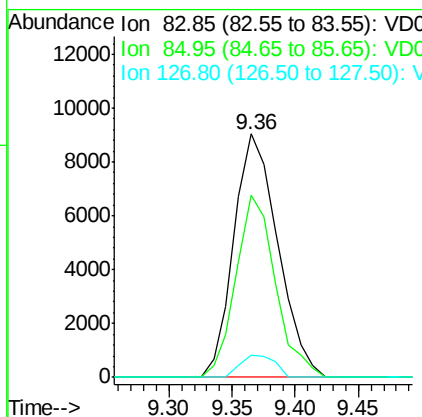
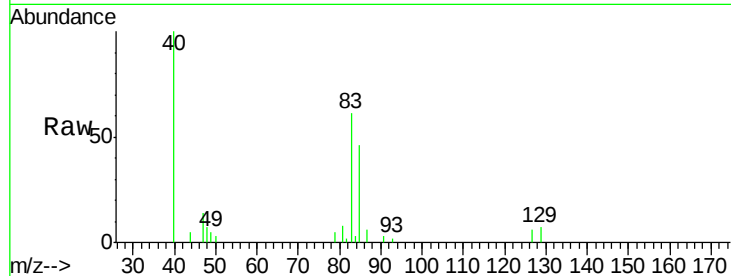
ClientSampleId :

VD0326SBS01

Tot Ion:	83	Resp:	21838
Ion	Ratio	Lower	Upper
83	100		
85	74.6	51.7	77.5
127	9.1	8.8	13.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 40.351 ug/l

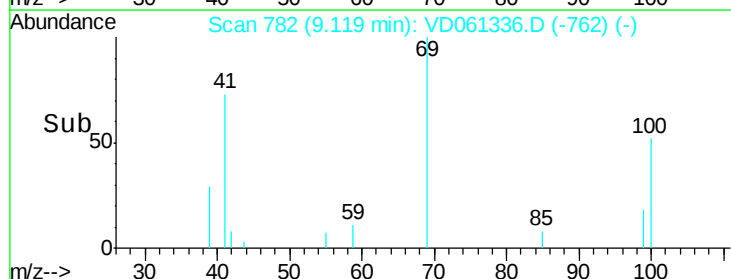
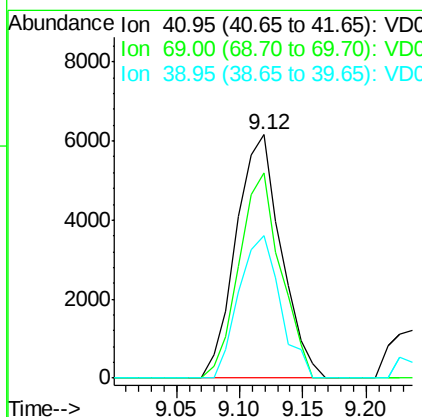
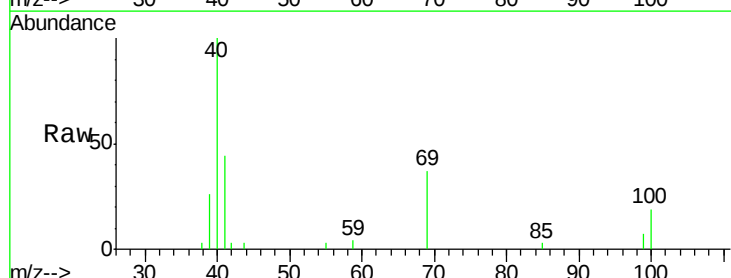
RT: 9.12 min Scan# 782

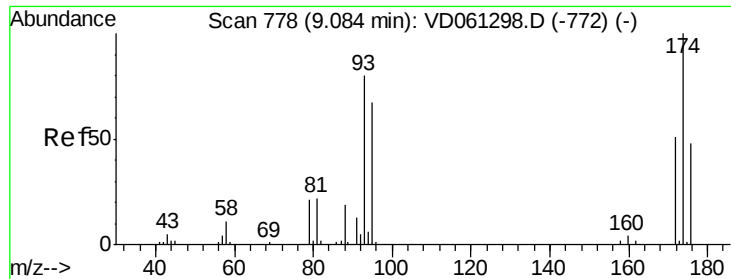
Delta R.T. -0.00 min

Lab File: VD061336.D

Acq: 26 Mar 2019 15:18

Tgt Ion:	41	Resp:	15255
Ion	Ratio	Lower	Upper
41	100		
69	84.3	62.4	93.6
39	58.7	44.9	67.3





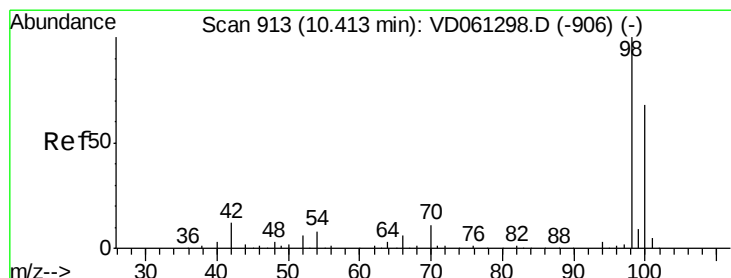
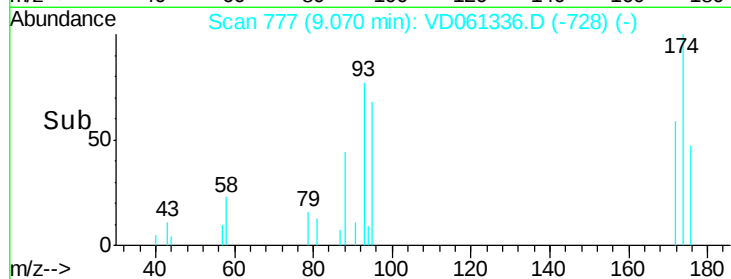
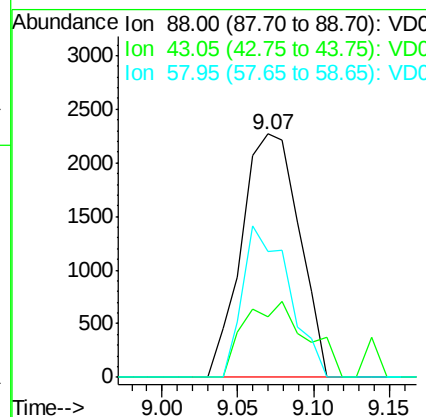
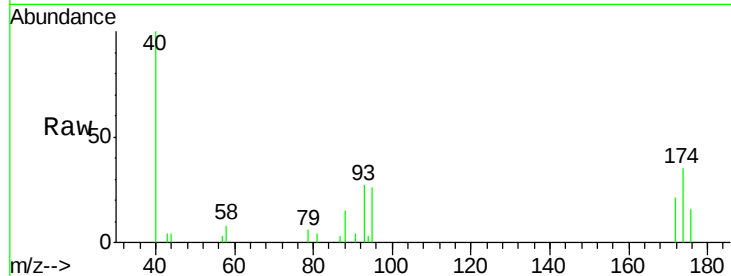
#49
1,4-Dioxane
Concen: 1450.816 ug/l
RT: 9.07 min Scan# 777
Delta R.T. -0.01 min
Lab File: VD061336.D
Acq: 26 Mar 2019 15:18

Instrument :
MSVOA_D
ClientSampleId :
VD0326SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	24.6	20.7	31.1
58	51.7	44.9	67.3

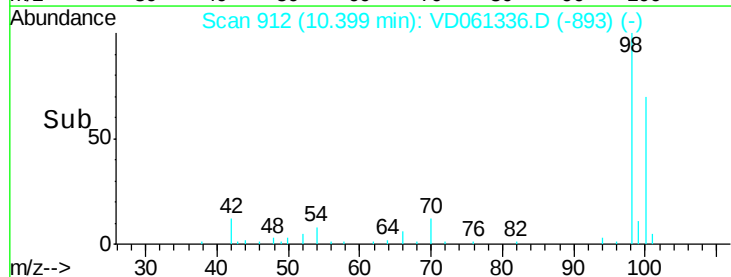
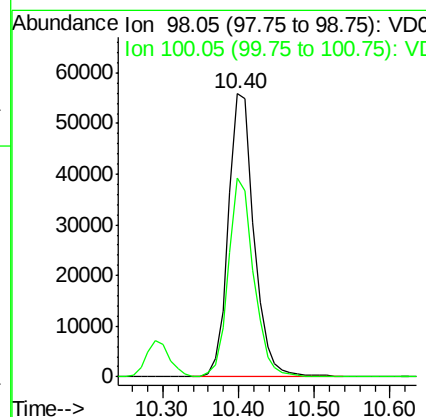
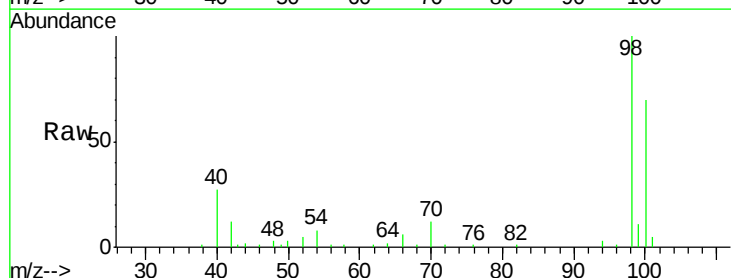
Manual Integrations
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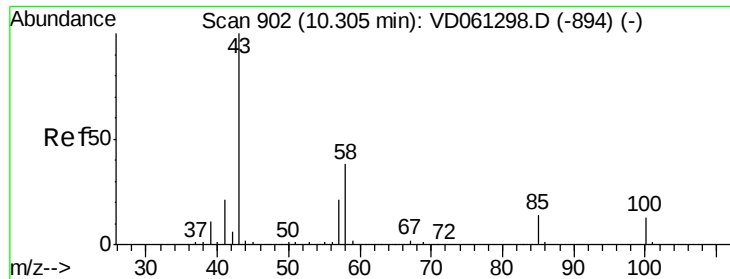
MMDadoda
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#50
Toluene-d8
Concen: 1450.816 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD061336.D
Acq: 26 Mar 2019 15:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.5	55.4	83.0





#51

4-Methyl-2-Pentanone

Concen: 277.342 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD061336.D

Acq: 26 Mar 2019 15:18

Instrument :

MSVOA_D

ClientSampleId :

VD0326SBS01

Tot Ion: 43 Resp: 116943

Ion Ratio Lower Upper

43 100

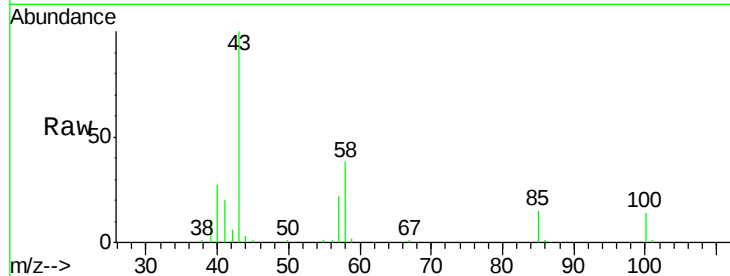
58 37.7 30.6 45.8

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.29

60000

50000

40000

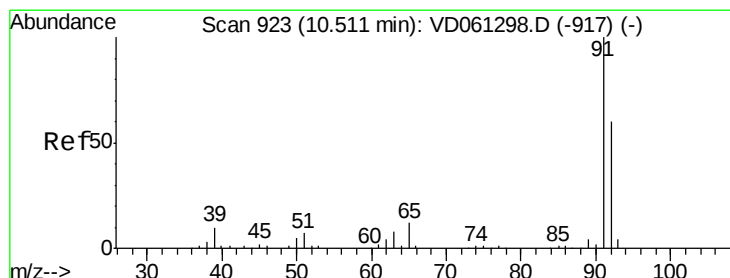
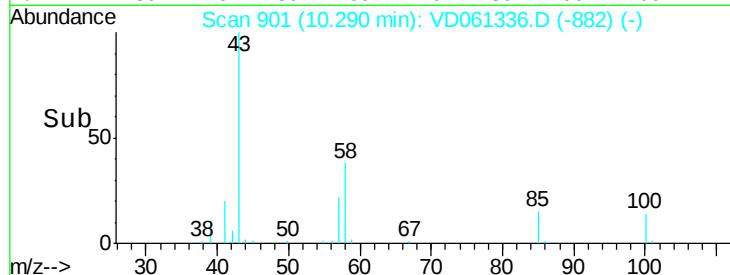
30000

20000

10000

0

Time-->



#52

Toluene

Concen: 20.784 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD061336.D

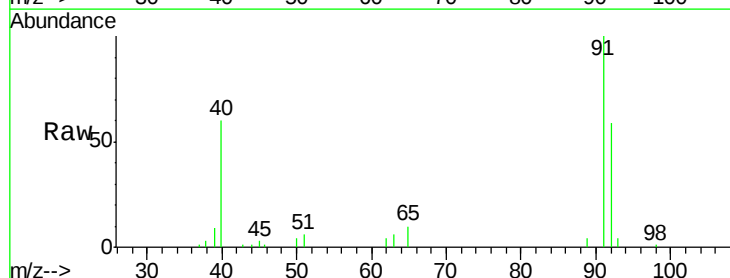
Acq: 26 Mar 2019 15:18

Tgt Ion: 92 Resp: 37147

Ion Ratio Lower Upper

92 100

91 168.9 133.1 199.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.51

30000

25000

20000

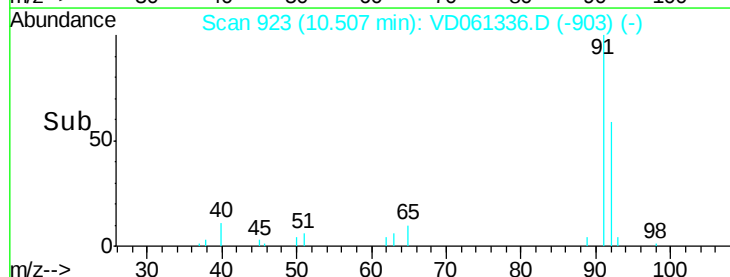
15000

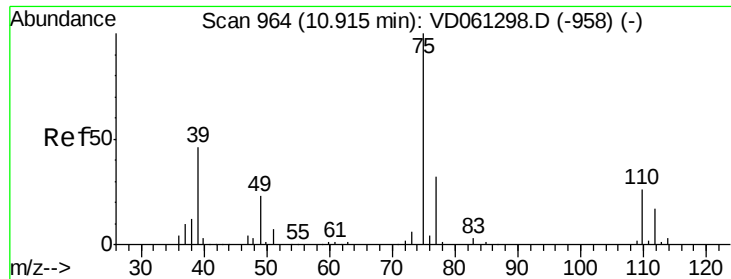
10000

5000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 22.040 ug/l

RT: 10.90 min Scan# 963

Delta R.T. -0.01 min

Lab File: VD061336.D

Acq: 26 Mar 2019 15:18

Tot Ion: 75 Resp: 22185

Ion Ratio Lower Upper

75 100

77 29.3 25.8 38.6

Instrument :

MSVOA_D

ClientSampleId :

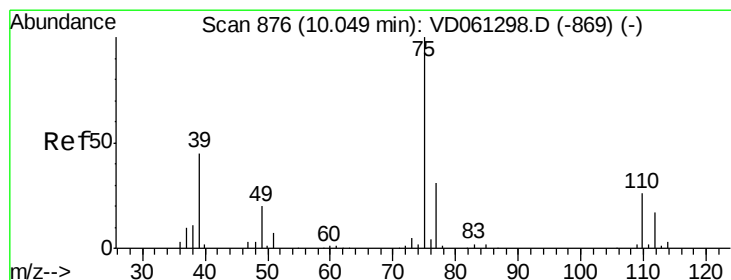
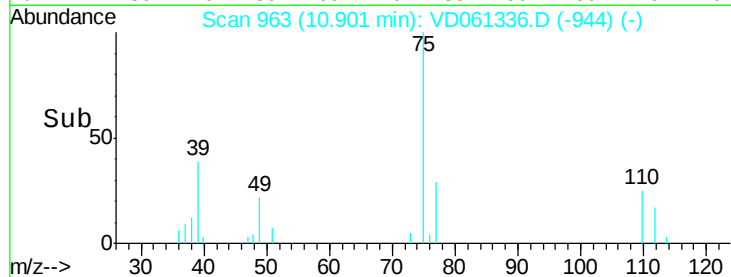
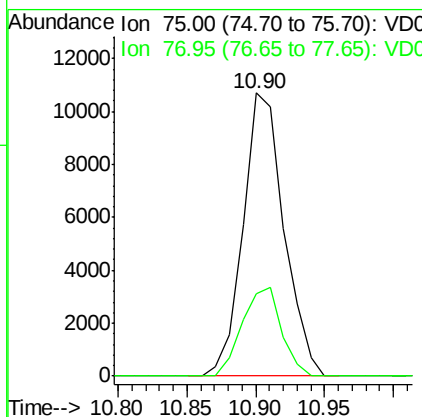
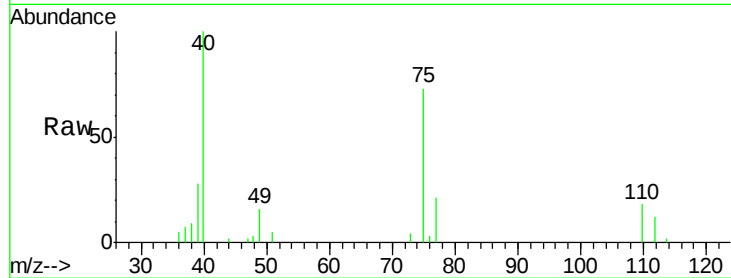
VD0326SBS01

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#54

cis-1,3-Dichloropropene

Concen: 20.784 ug/l

RT: 10.03 min Scan# 875

Delta R.T. -0.01 min

Lab File: VD061336.D

Acq: 26 Mar 2019 15:18

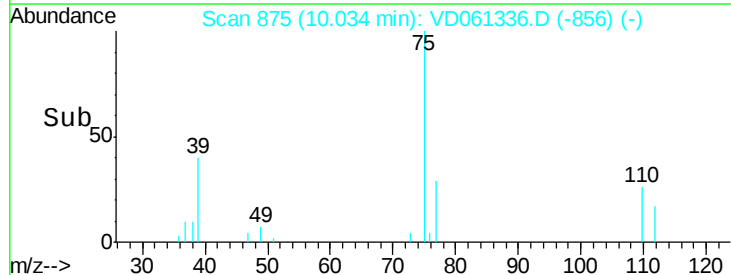
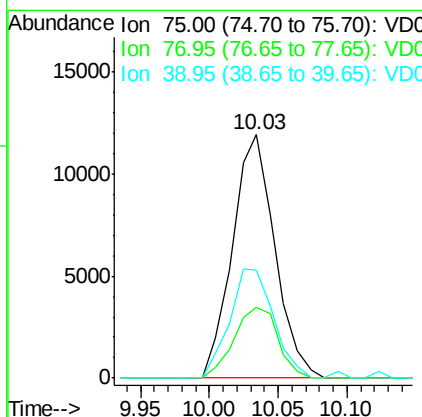
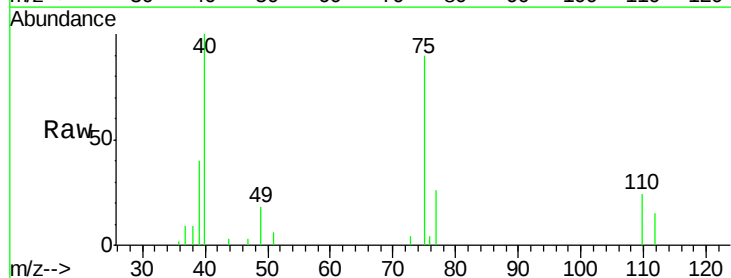
Tgt Ion: 75 Resp: 25546

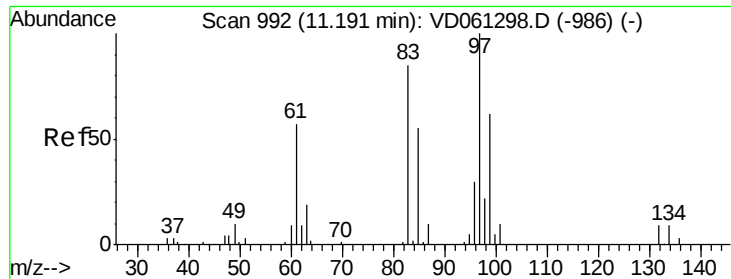
Ion Ratio Lower Upper

75 100

77 29.1 24.9 37.3

39 44.3 36.0 54.0





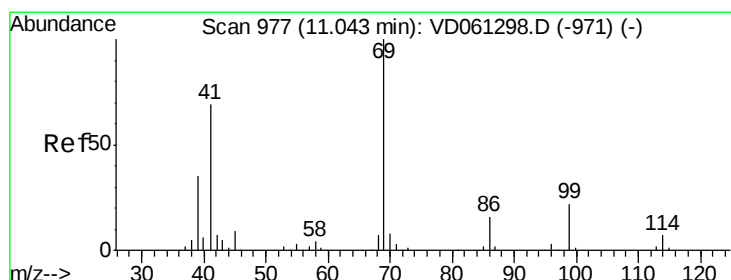
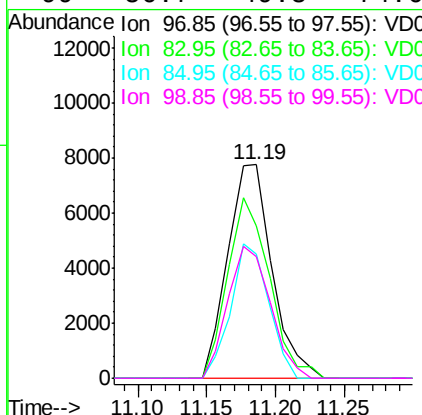
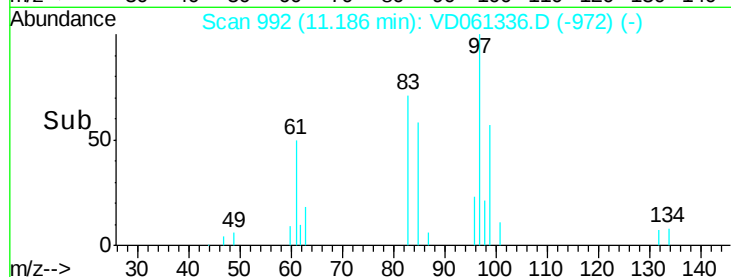
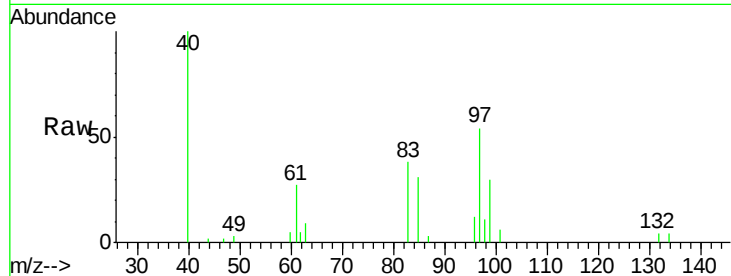
#55
1,1,2-Trichloroethane
Concen: 29.343 ug/l
RT: 11.19 min Scan# 992
Delta R.T. -0.00 min
Lab File: VD061336.D
Acq: 26 Mar 2019 15:18

Instrument :
MSVOA_D
ClientSampleId :
VD0326SBS01

Tot Ion:	97	Resp:	17411
Ion	Ratio	Lower	Upper
97	100		
83	71.4	67.7	101.5
85	58.1	43.8	65.8
99	56.7	49.8	74.6

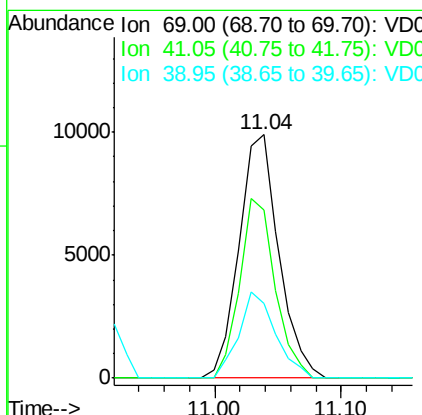
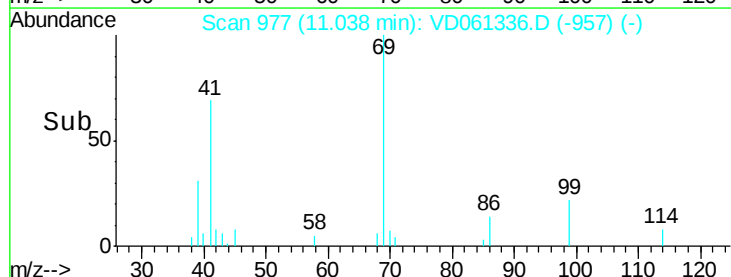
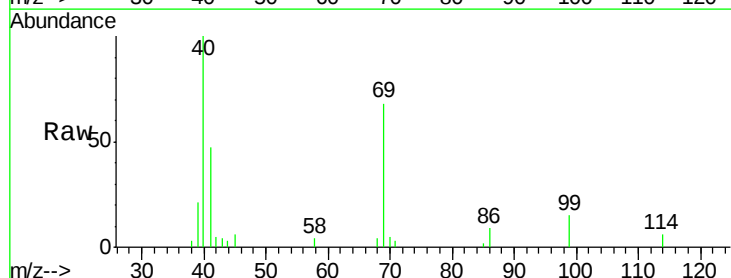
Manual Integrations
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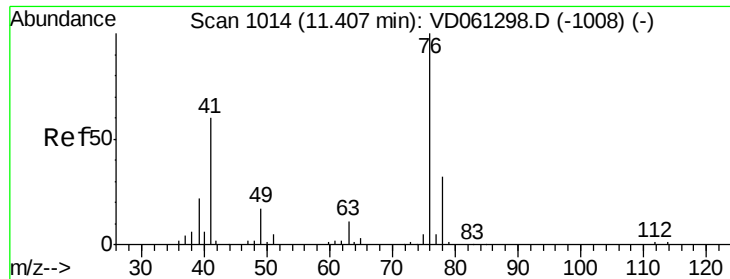
MMDadoda
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#56
Ethyl methacrylate
Concen: 34.221 ug/l
RT: 11.04 min Scan# 977
Delta R.T. -0.00 min
Lab File: VD061336.D
Acq: 26 Mar 2019 15:18

Tgt Ion:	69	Resp:	21668
Ion	Ratio	Lower	Upper
69	100		
41	69.0	54.9	82.3
39	30.7	28.5	42.7





#57

1,3-Dichloropropane

Concen: 26.822 ug/l

RT: 11.40 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VD061336.D

Acq: 26 Mar 2019 15:18

Instrument :

MSVOA_D

ClientSampleId :

VD0326SBSD01

Tot Ion: 76 Resp: 24036

Ion Ratio Lower Upper

76 100

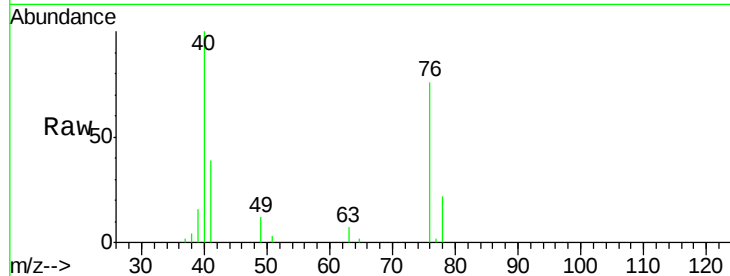
78 29.0 25.7 38.5

Manual Integrations

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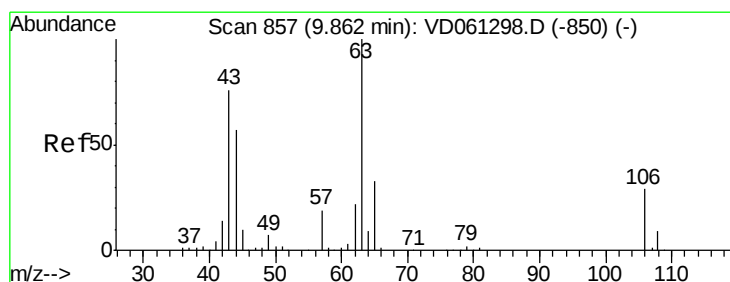
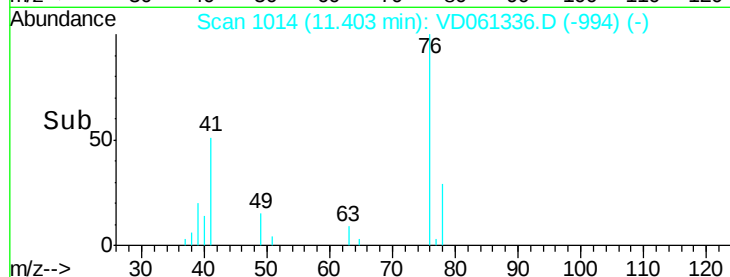
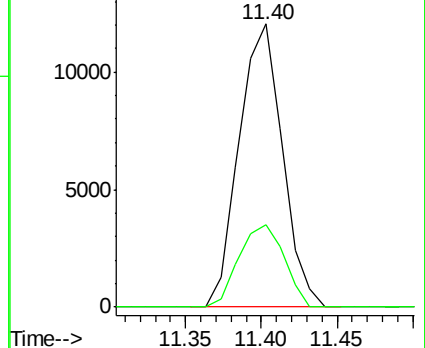
MMDadoda

3/27/2019 12:02:25 PM



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 178.244 ug/l

RT: 9.85 min Scan# 856

Delta R.T. -0.01 min

Lab File: VD061336.D

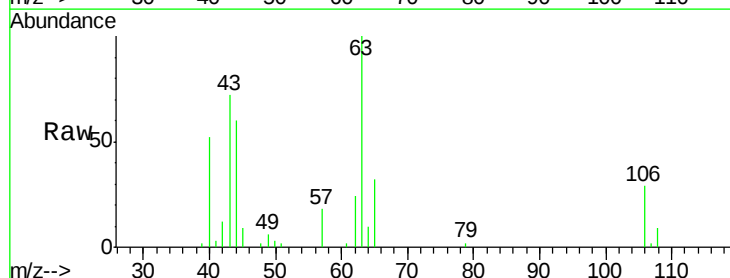
Acq: 26 Mar 2019 15:18

Tgt Ion: 63 Resp: 58714

Ion Ratio Lower Upper

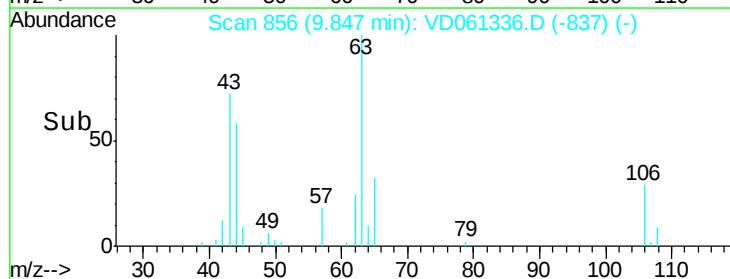
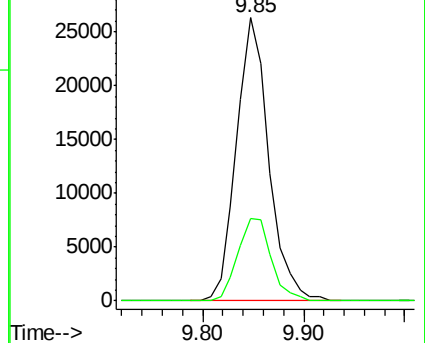
63 100

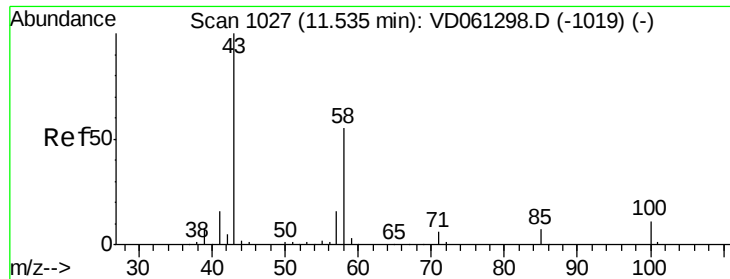
106 29.1 23.4 35.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





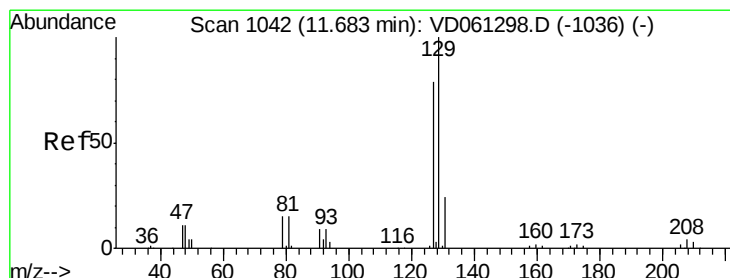
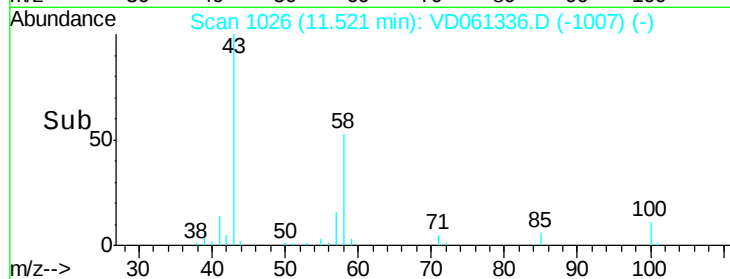
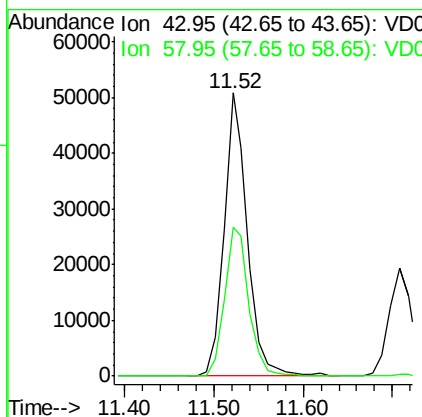
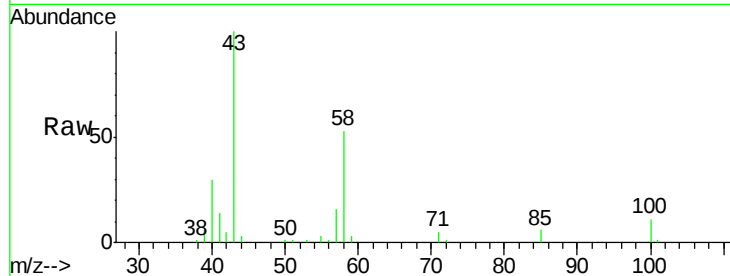
#59
2-Hexanone
Concen: 302.186 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD061336.D
Acq: 26 Mar 2019 15:18

Instrument :
MSVOA_D
ClientSampleId :
VD0326SBSD01

Tot Ion: 43 Resp: 92543
Ion Ratio Lower Upper
43 100
58 52.8 27.4 82.0

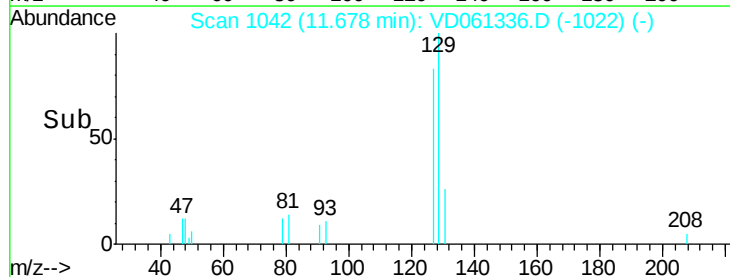
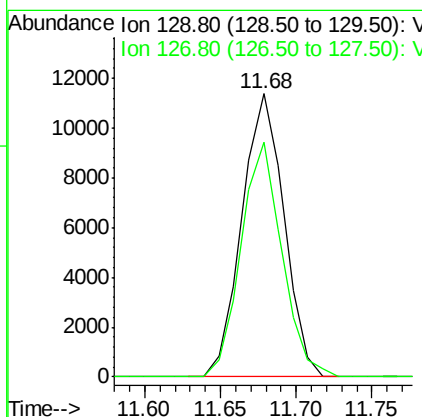
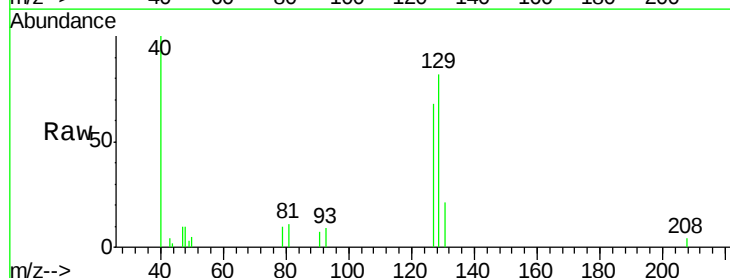
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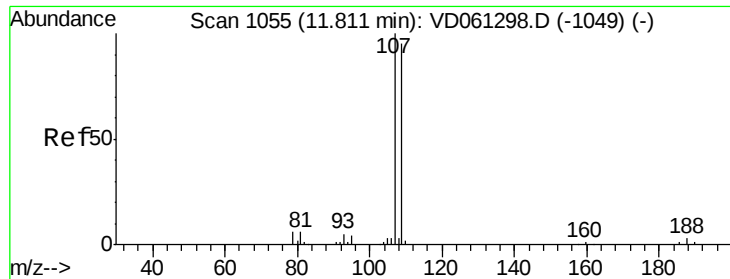
MMDadoda
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#60
Dibromochloromethane
Concen: 23.711 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD061336.D
Acq: 26 Mar 2019 15:18

Tgt Ion: 129 Resp: 22036
Ion Ratio Lower Upper
129 100
127 83.1 39.6 119.0





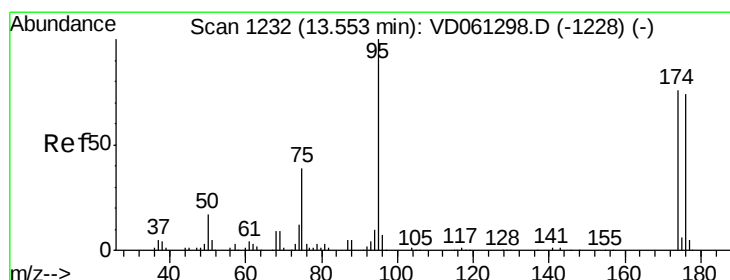
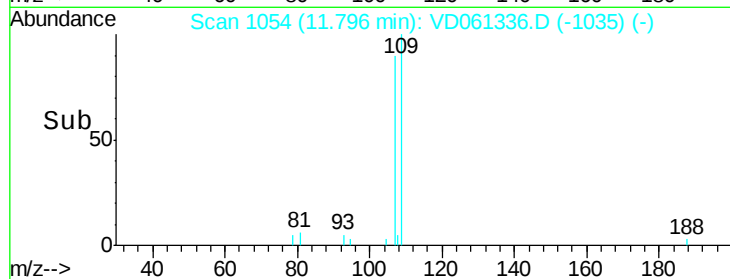
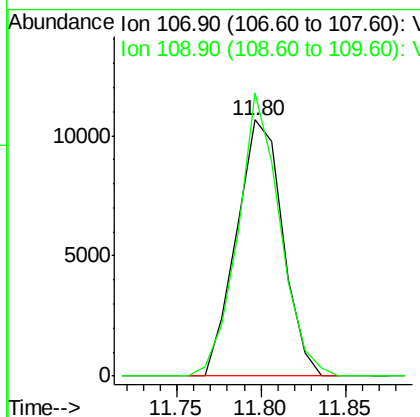
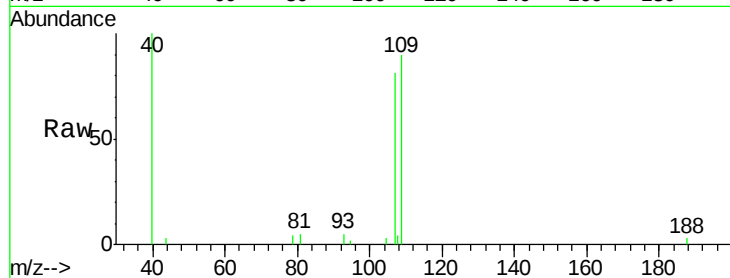
#61
1,2-Dibromoethane
Concen: 29.139 ug/l
RT: 11.80 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VD061336.D
Acq: 26 Mar 2019 15:18

Instrument :
MSVOA_D
ClientSampleId :
VD0326SBSD01

Tot Ion:107 Resp: 20202
Ion Ratio Lower Upper
107 100
109 110.6 76.1 114.1

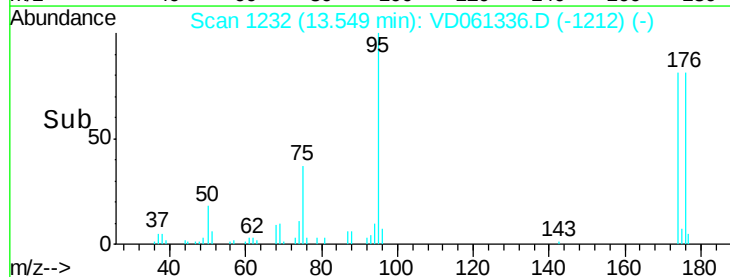
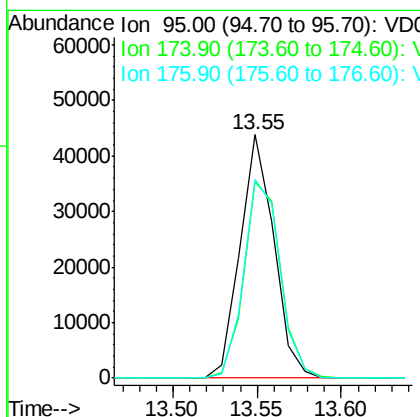
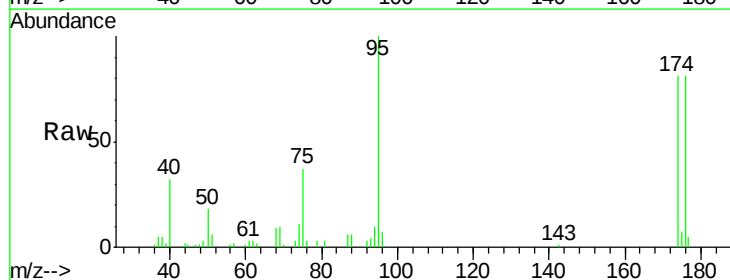
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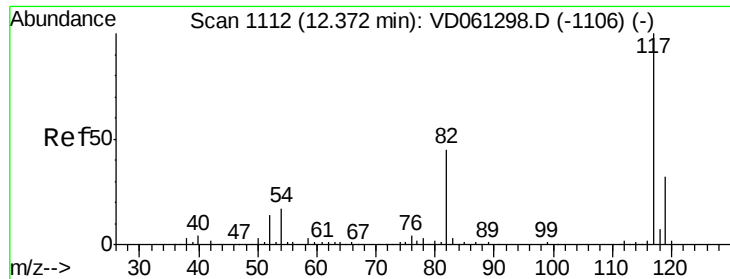
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#62
4-Bromofluorobenzene
Concen: 29.139 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD061336.D
Acq: 26 Mar 2019 15:18

Tgt Ion: 95 Resp: 60682
Ion Ratio Lower Upper
95 100
174 80.6 0.0 151.8
176 81.4 0.0 148.0





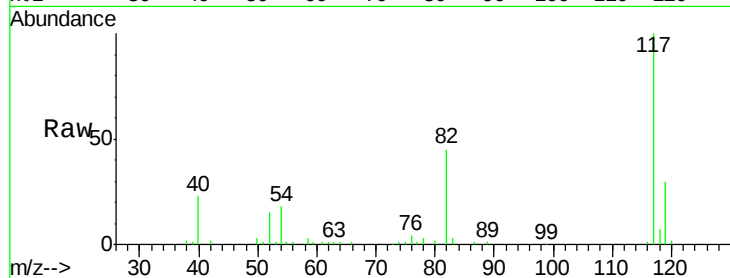
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD061336.D
Acq: 26 Mar 2019 15:18

Instrument :
MSVOA_D
ClientSampleId :
VD0326SBSD01

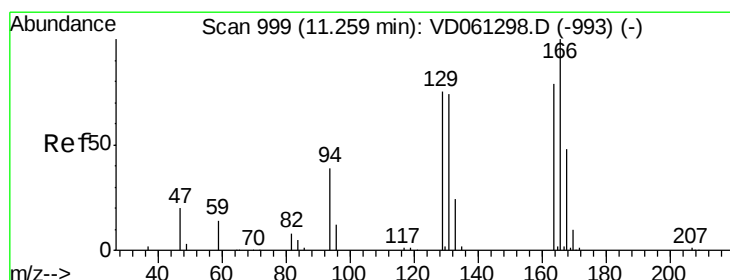
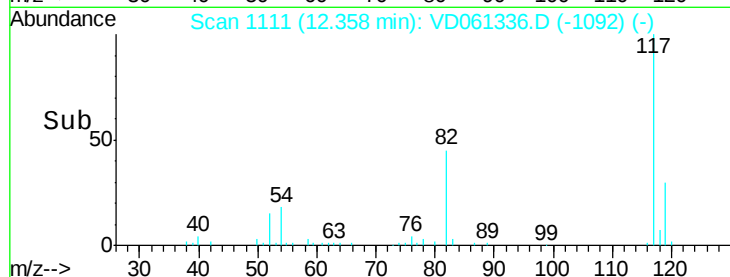
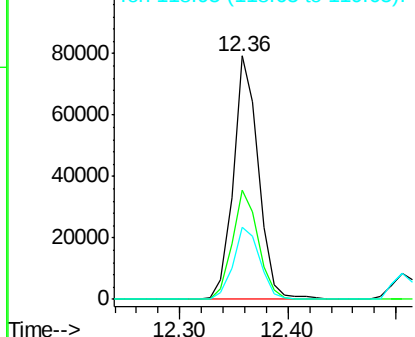
Tot Ion	Ratio	Lower	Upper
117	100		
82	45.0	35.7	53.5
119	29.6	25.9	38.9

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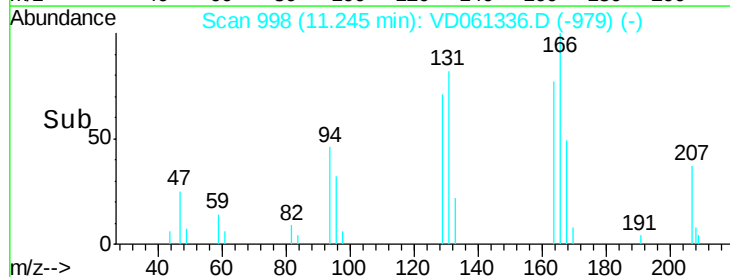
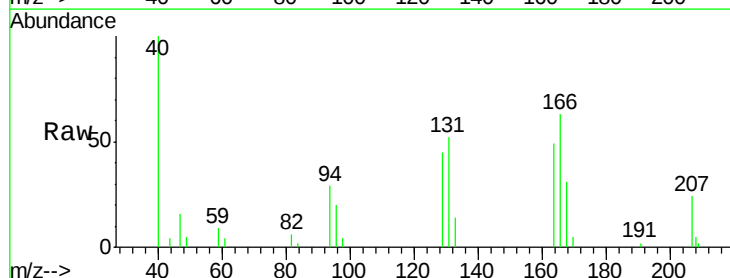
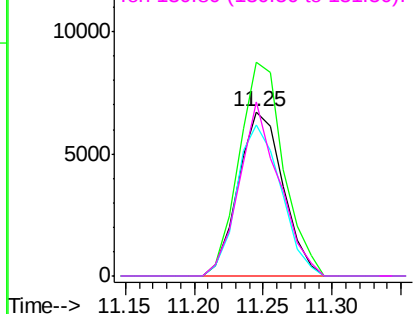
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

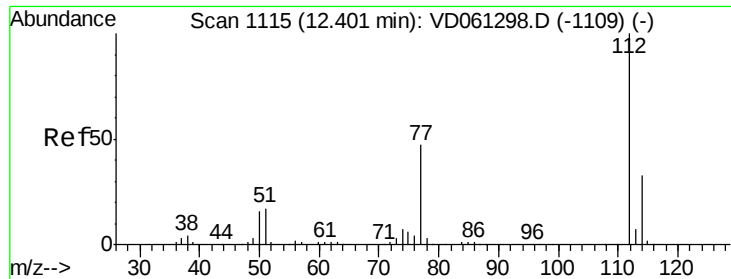


#64
Tetrachloroethene
Concen: 17.313 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.01 min
Lab File: VD061336.D
Acq: 26 Mar 2019 15:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.4	101.6	152.4
129	92.5	75.9	113.9
131	106.3	75.3	112.9

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





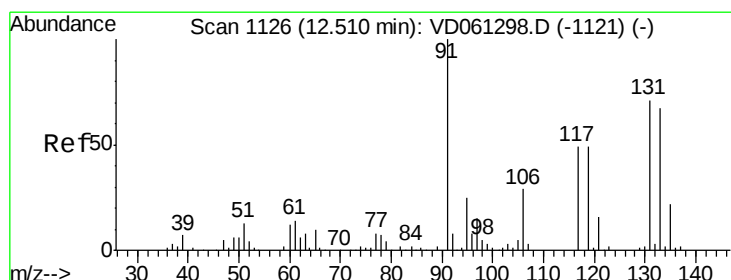
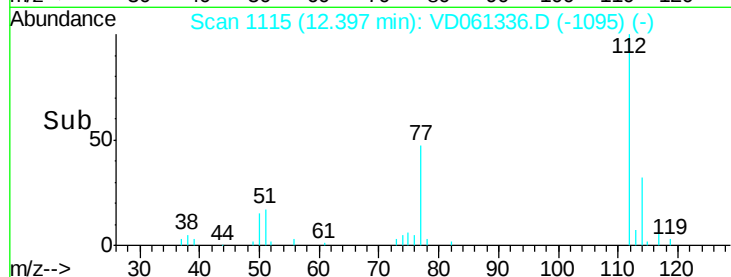
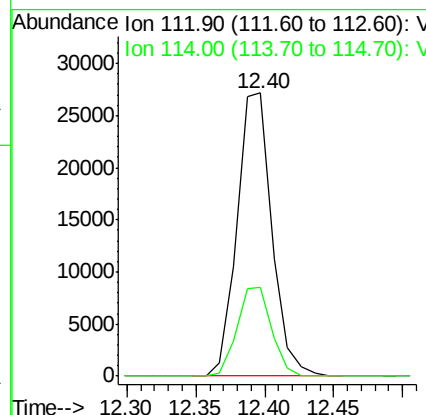
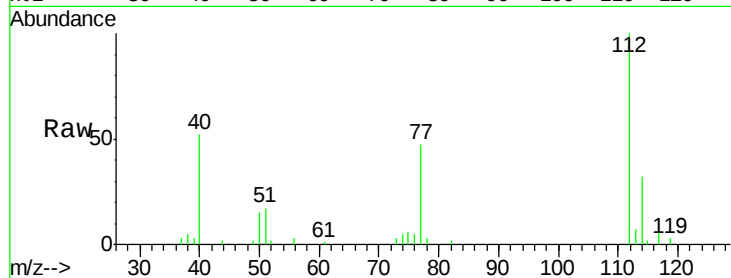
#65
Chlorobenzene
Concen: 20.445 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD061336.D
Acq: 26 Mar 2019 15:18

Instrument :
MSVOA_D
ClientSampleId :
VD0326SBSD01

Tot Ion:112 Resp: 47914
Ion Ratio Lower Upper
112 100
114 31.6 26.5 39.7

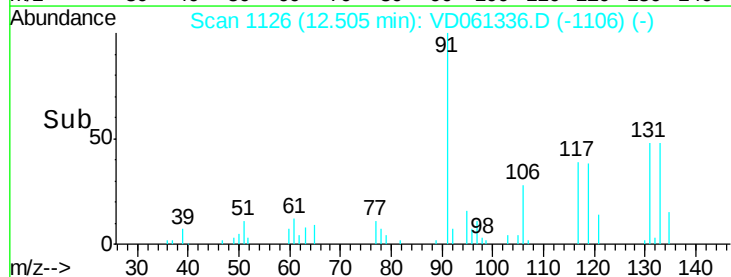
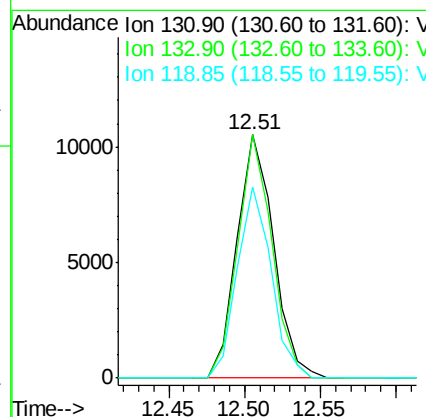
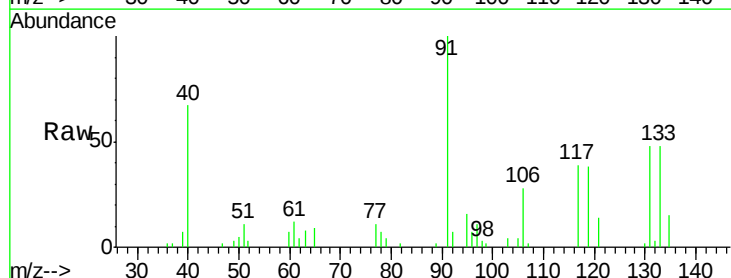
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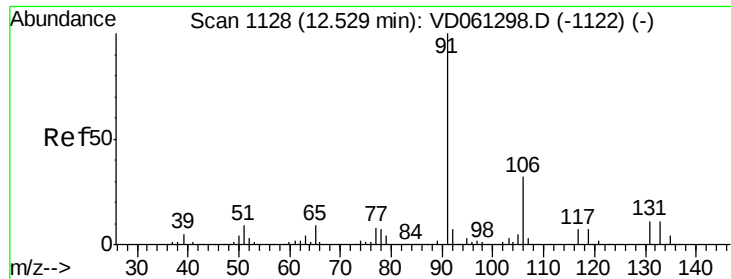
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.492 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD061336.D
Acq: 26 Mar 2019 15:18

Tgt Ion:131 Resp: 17710
Ion Ratio Lower Upper
131 100
133 99.8 47.0 141.2
119 78.8 34.8 104.5





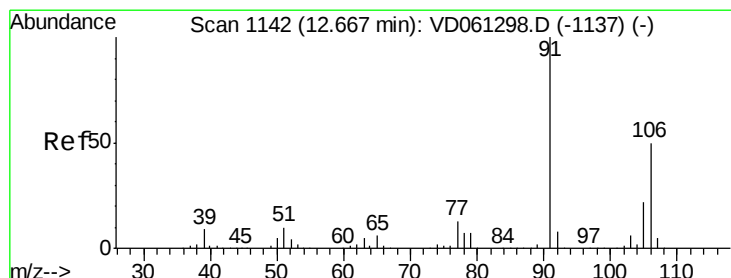
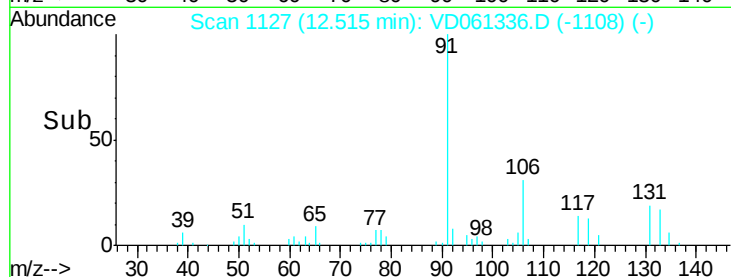
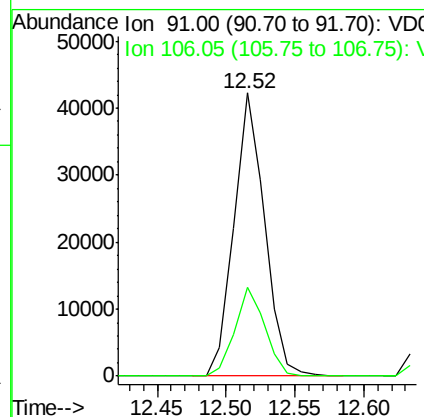
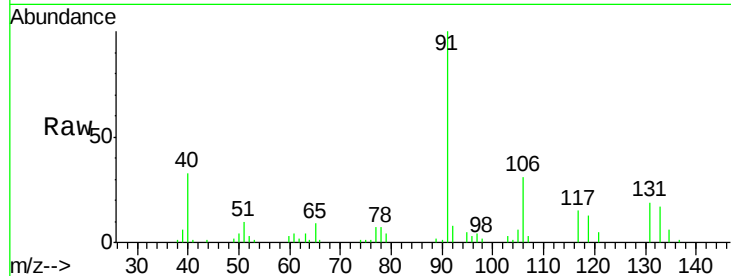
#67
Ethyl Benzene
Concen: 18.218 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD061336.D
Acq: 26 Mar 2019 15:18

Instrument :
MSVOA_D
ClientSampleId :
VD0326SBS01

Tot Ion: 91 Resp: 65338
Ion Ratio Lower Upper
91 100
106 31.4 25.8 38.8

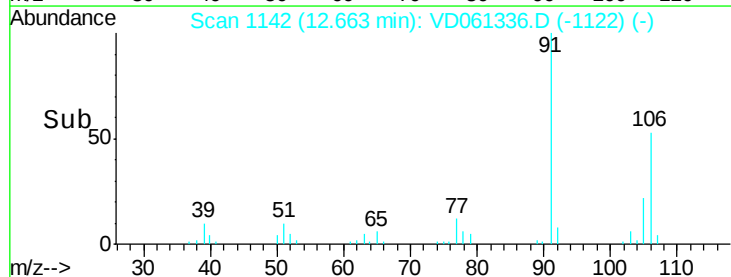
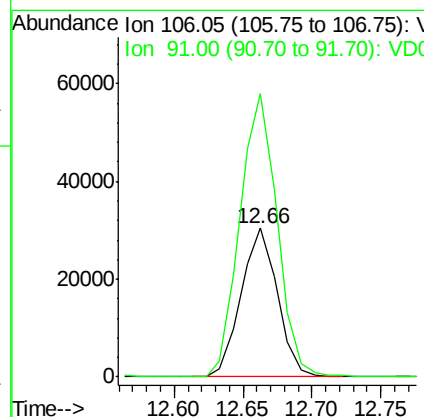
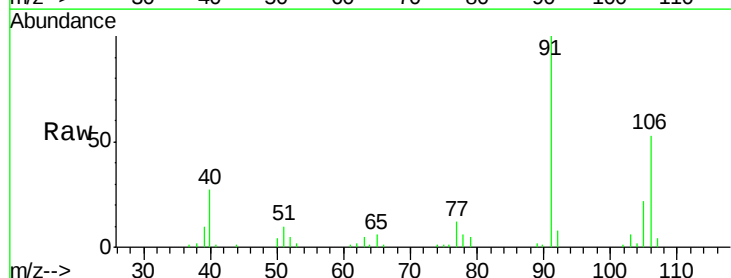
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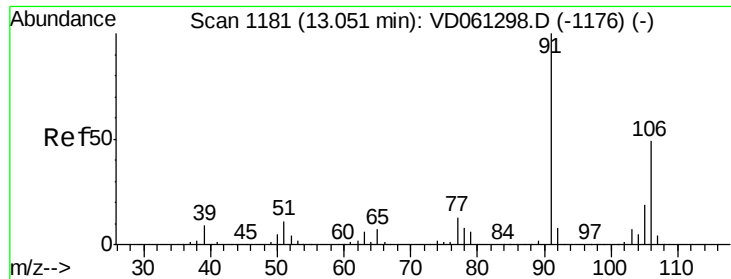
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#68
m/p-Xylenes
Concen: 39.923 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD061336.D
Acq: 26 Mar 2019 15:18

Tgt Ion: 106 Resp: 55892
Ion Ratio Lower Upper
106 100
91 190.1 159.2 238.8





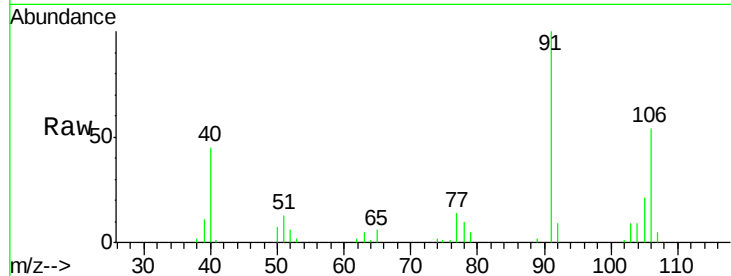
#69
o-Xylene
Concen: 20.092 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD061336.D
Acq: 26 Mar 2019 15:18

Instrument :
MSVOA_D
ClientSampleId :
VD0326SBSD01

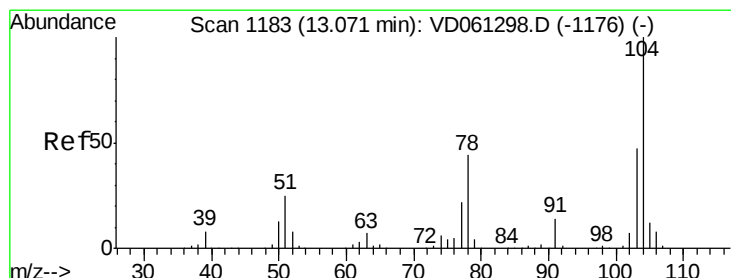
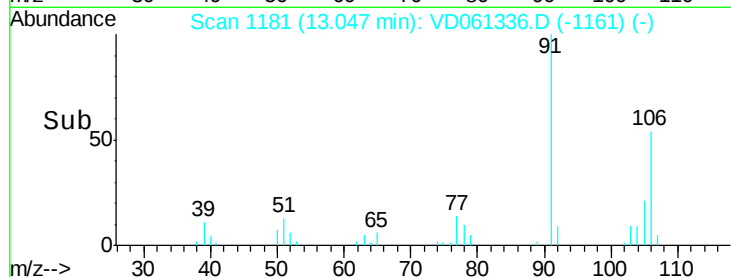
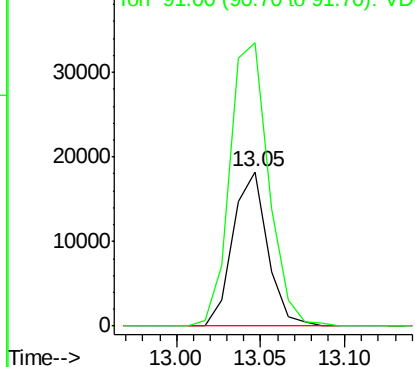
Tot Ion:106 Resp: 26088
Ion Ratio Lower Upper
106 100
91 183.5 102.5 307.5

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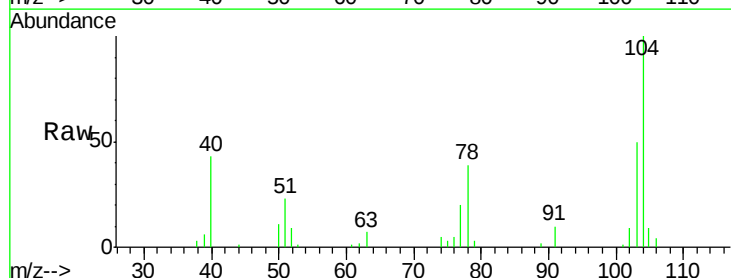


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

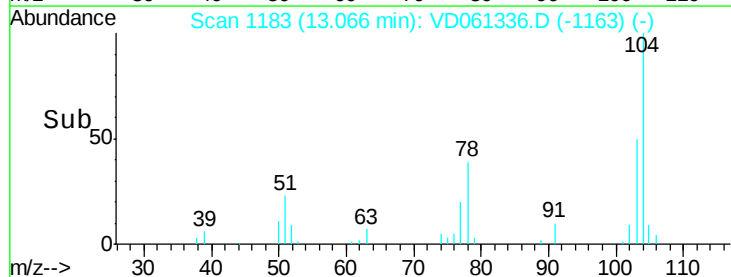
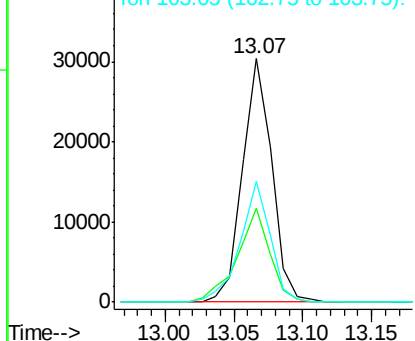


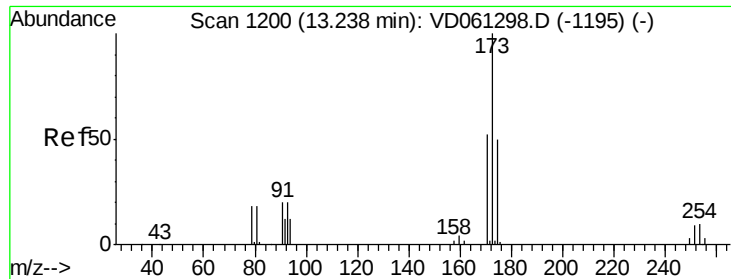
#70
Styrene
Concen: 20.570 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD061336.D
Acq: 26 Mar 2019 15:18

Tgt Ion:104 Resp: 45328
Ion Ratio Lower Upper
104 100
78 38.6 35.1 52.7
103 49.9 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





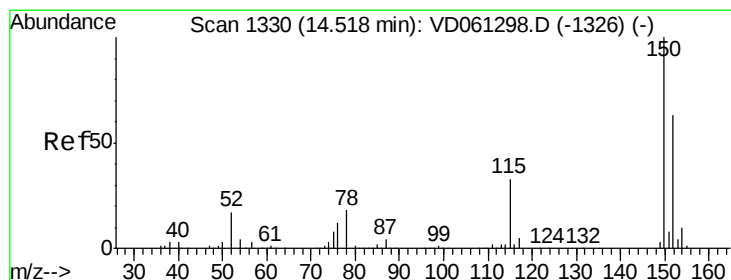
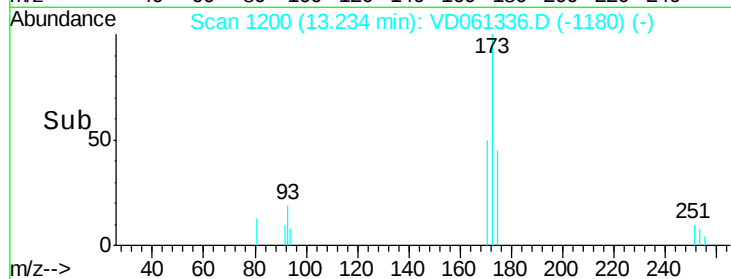
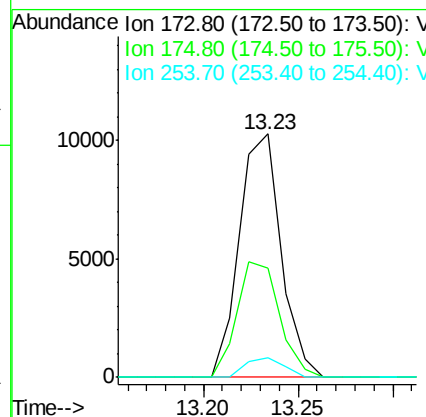
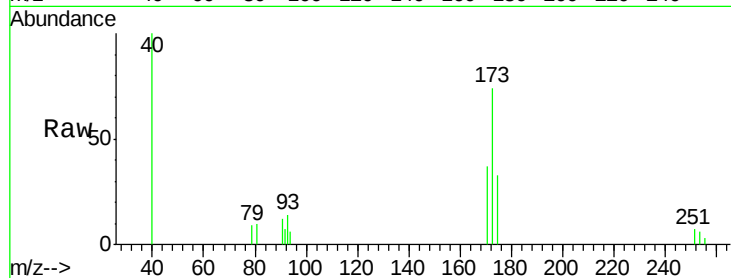
#71
Bromoform
Concen: 28.122 ug/l
RT: 13.23 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VD061336.D
Acq: 26 Mar 2019 15:18

Instrument :
MSVOA_D
ClientSampleId :
VD0326SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	45.0	24.9	74.7
254	8.0	7.8	11.6

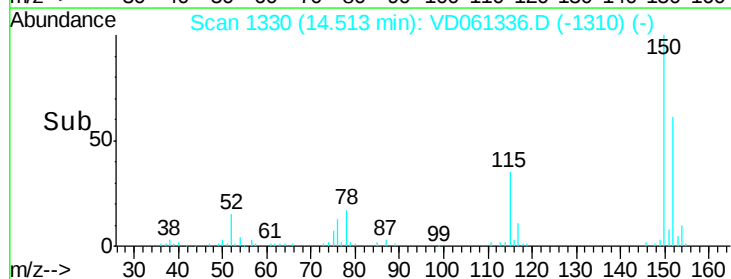
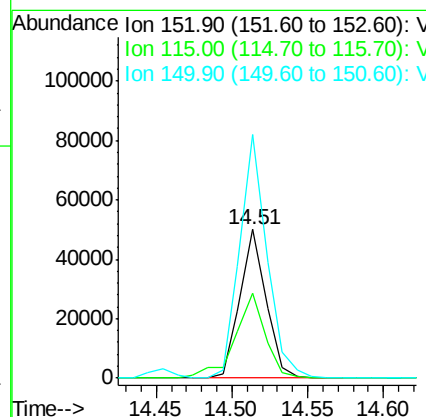
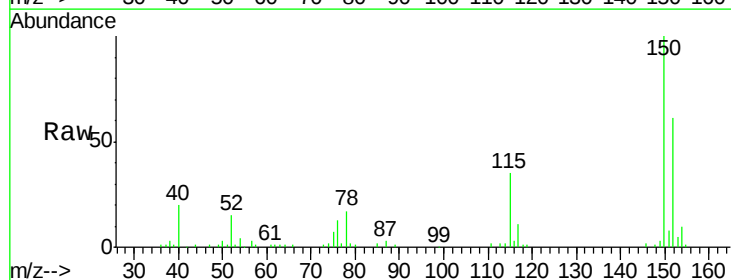
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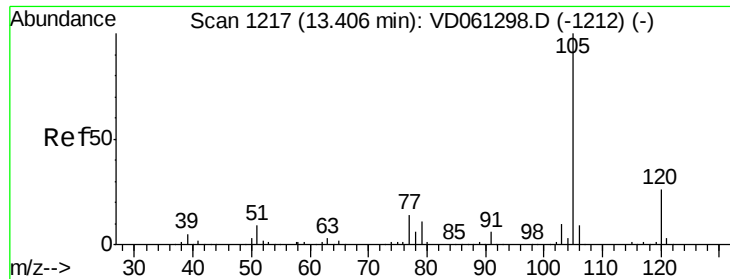
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD061336.D
Acq: 26 Mar 2019 15:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.8	29.2	87.6
150	163.9	0.0	319.6





#73

Isopropylbenzene

Concen: 17.925 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD061336.D

Acq: 26 Mar 2019 15:18

Instrument :

MSVOA_D

ClientSampleID :

VD0326SBS01

Tot Ion: 105 Resp: 70390

Ion Ratio Lower Upper

105 100

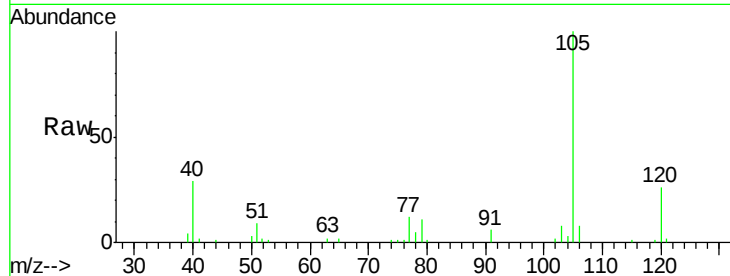
120 25.6 13.1 39.1

Manual Integrations

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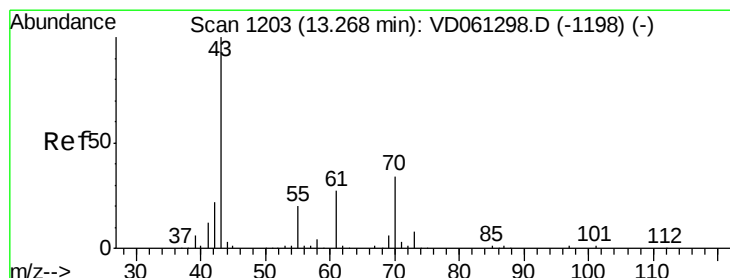
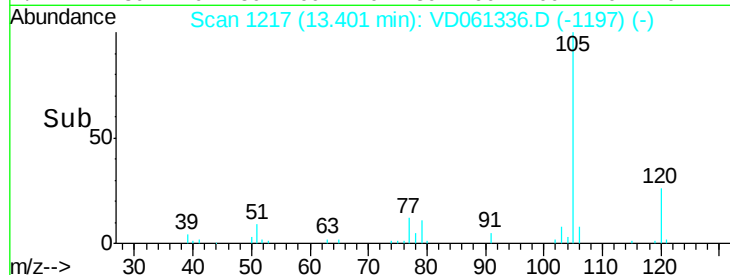
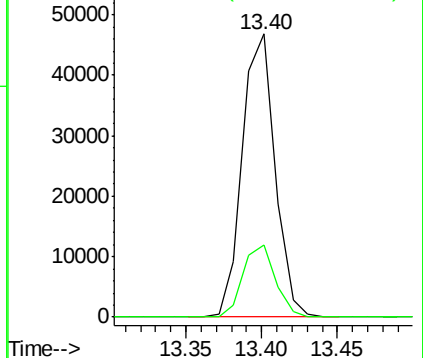
MMDadoda

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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: 32.756 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD061336.D

Acq: 26 Mar 2019 15:18

Tgt Ion: 43 Resp: 33653

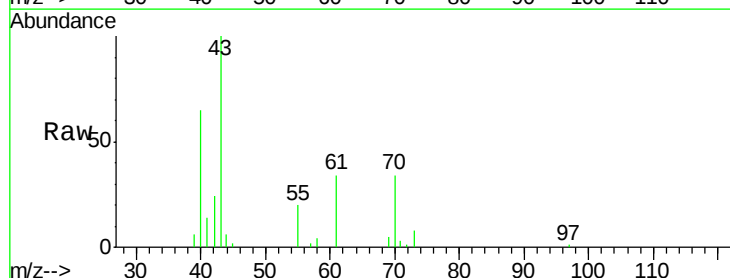
Ion Ratio Lower Upper

43 100

70 34.3 27.5 41.3

55 19.8 15.7 23.5

61 34.0 21.8 32.6#

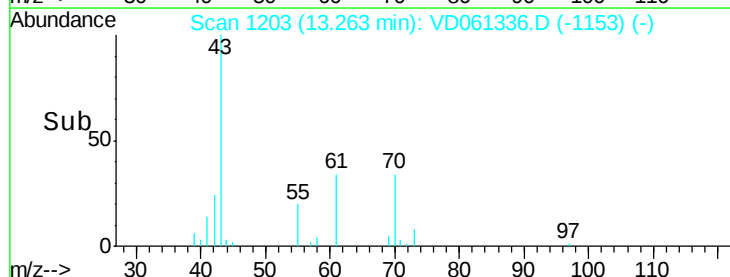
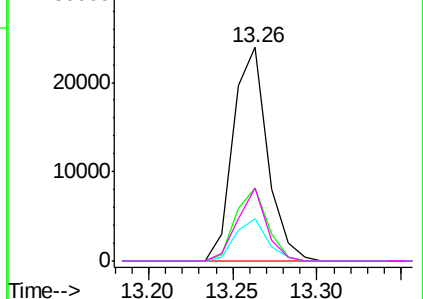


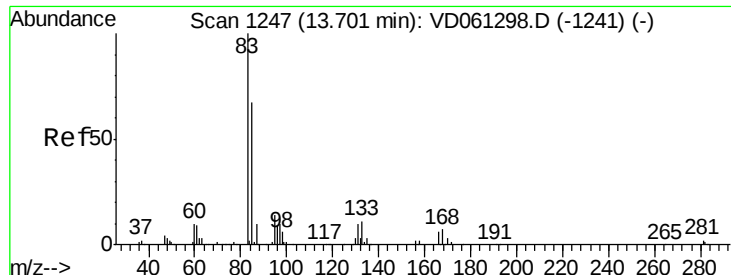
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 31.088 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD061336.D

Acq: 26 Mar 2019 15:18

Instrument :

MSVOA_D

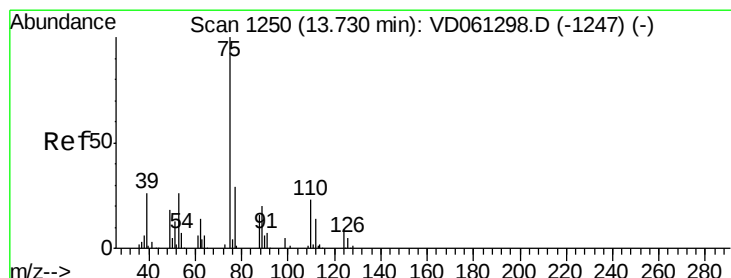
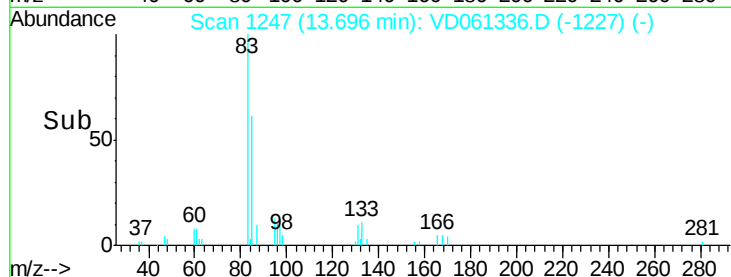
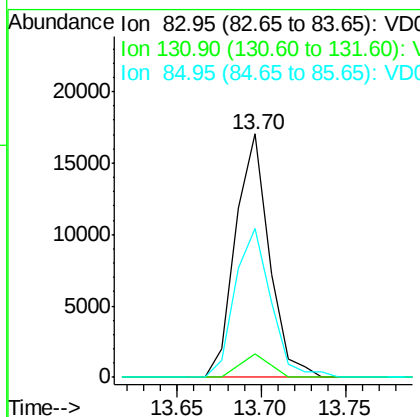
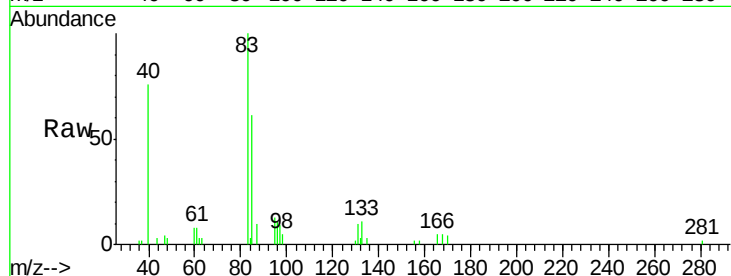
ClientSampleId :

VD0326SBSD01

Tot Ion	83	Resp	23674
Ion Ratio	100	Lower	Upper
83	100		
131	9.7	5.0	15.0
85	61.1	33.4	100.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 38.534 ug/l

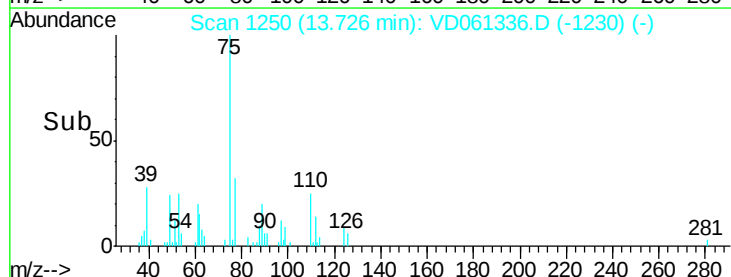
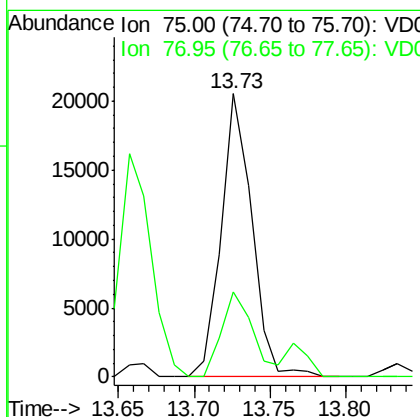
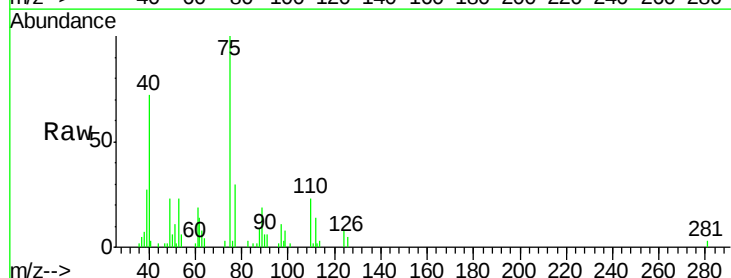
RT: 13.73 min Scan# 1250

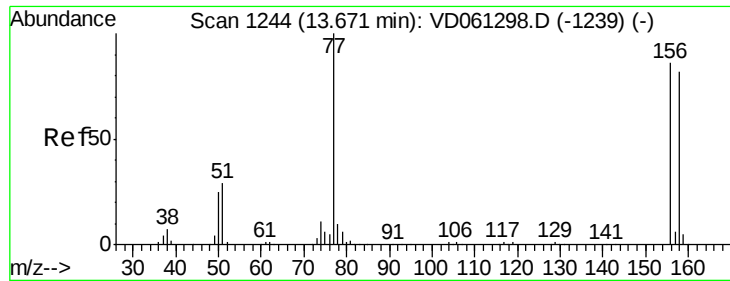
Delta R.T. -0.00 min

Lab File: VD061336.D

Acq: 26 Mar 2019 15:18

Tgt Ion	75	Resp	28933
Ion Ratio	100	Lower	Upper
75	100		
77	30.1	15.8	47.4





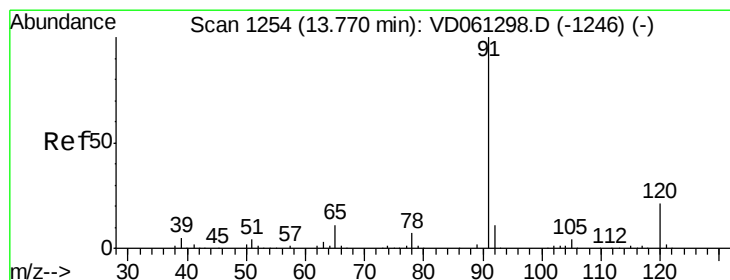
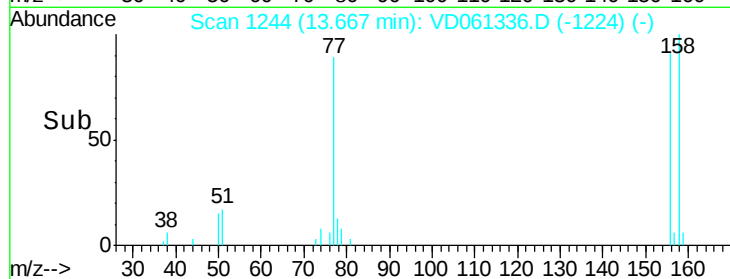
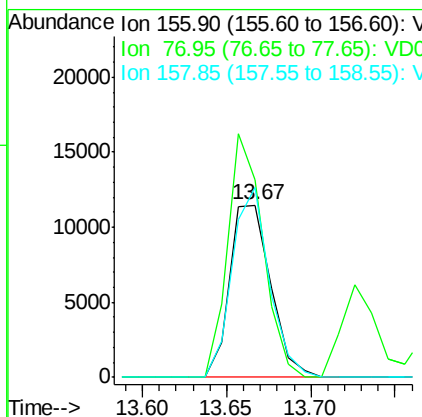
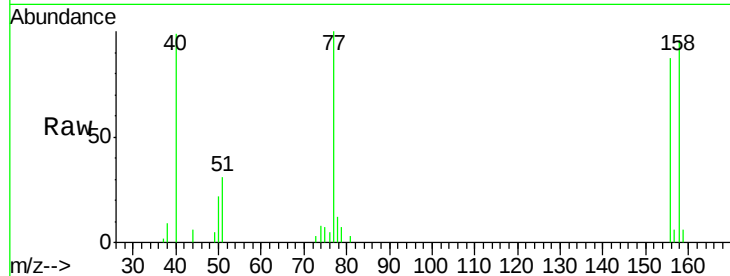
#77
Bromobenzene
Concen: 17.667 ug/l
RT: 13.67 min Scan# 1244
Delta R.T. -0.00 min
Lab File: VD061336.D
Acq: 26 Mar 2019 15:18

Instrument :
MSVOA_D
ClientSampleId :
VD0326SBSD01

Tot Ion:156 Resp: 19379
Ion Ratio Lower Upper
156 100
77 114.6 58.4 175.1
158 109.9 48.1 144.3

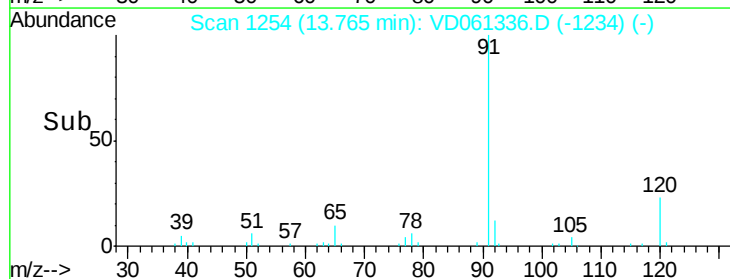
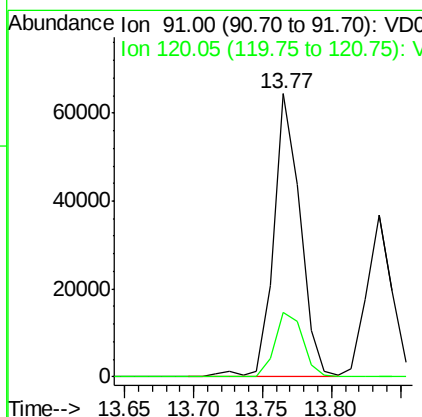
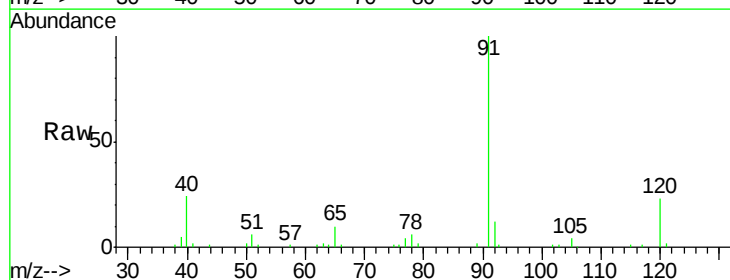
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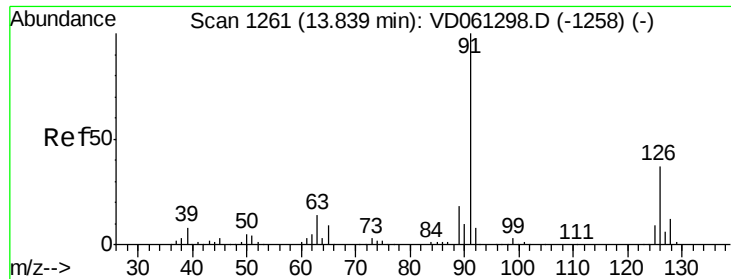
MMDadoda
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#78
n-propylbenzene
Concen: 19.340 ug/l
RT: 13.77 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VD061336.D
Acq: 26 Mar 2019 15:18

Tgt Ion: 91 Resp: 85684
Ion Ratio Lower Upper
91 100
120 23.0 10.7 32.1





#79

2-Chlorotoluene

Concen: 18.356 ug/l

RT: 13.83 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD061336.D

Acq: 26 Mar 2019 15:18

Instrument :

MSVOA_D

ClientSampleID :

VD0326SBSD01

Tot Ion: 91 Resp: 47351

Ion Ratio Lower Upper

91 100

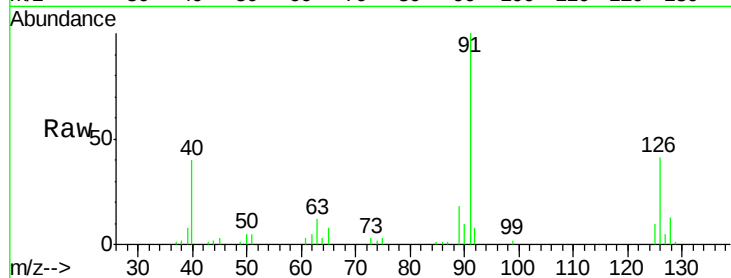
126 41.5 18.4 55.4

Manual Integrations

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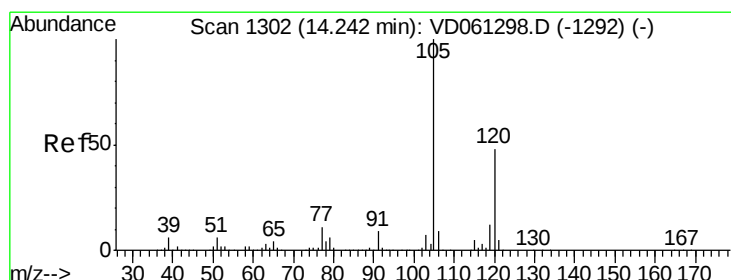
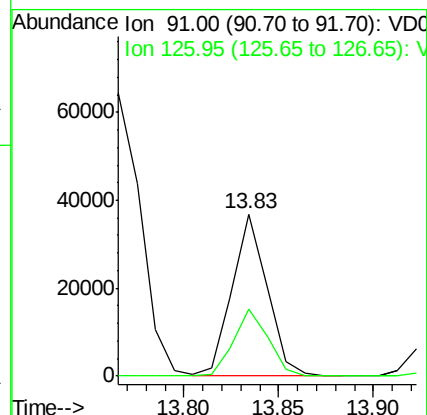
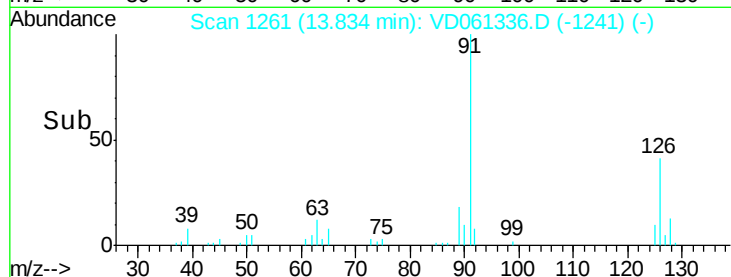
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Abundance Ion 91.00 (90.70 to 91.70): VD061298.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD061298.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 16.595 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VD061336.D

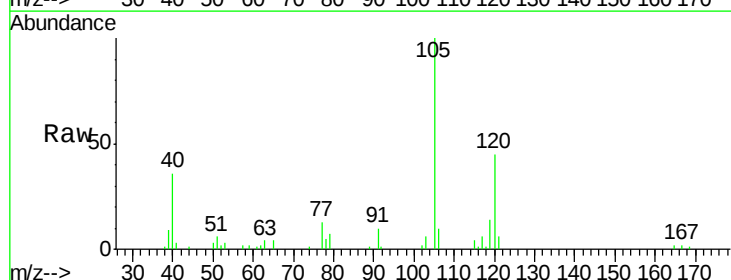
Acq: 26 Mar 2019 15:18

Tgt Ion: 105 Resp: 51409

Ion Ratio Lower Upper

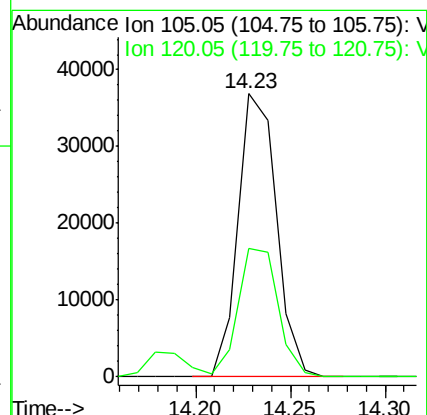
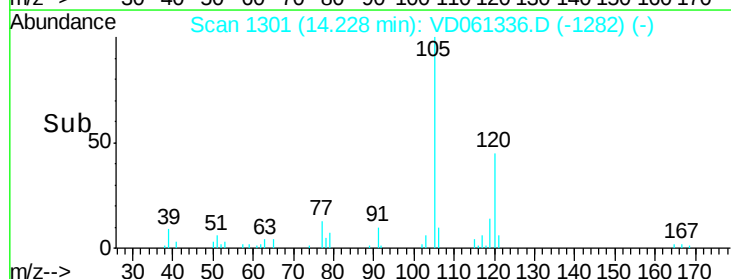
105 100

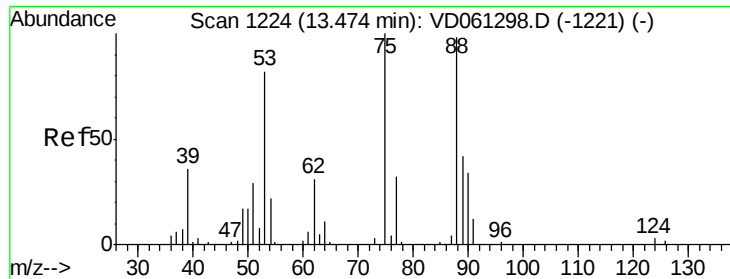
120 45.4 23.8 71.4



Abundance Ion 105.05 (104.75 to 105.75): VD061298.D (-1292) (-)

Ion 120.05 (119.75 to 120.75): VD061298.D (-1292) (-)





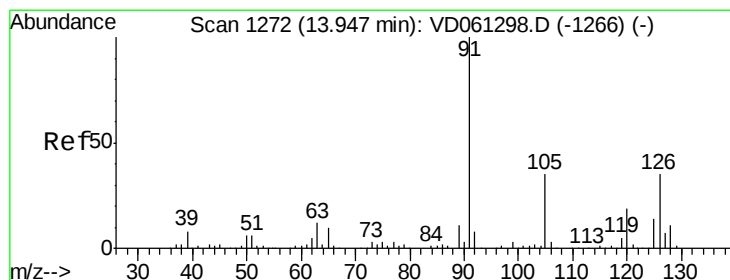
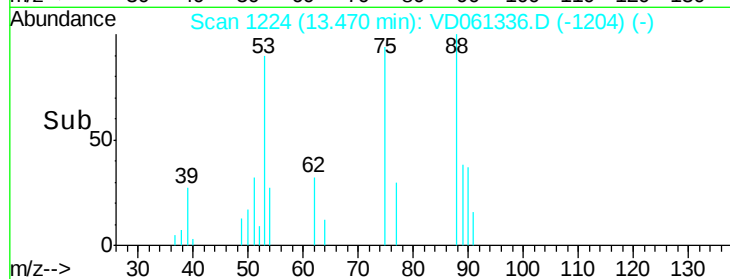
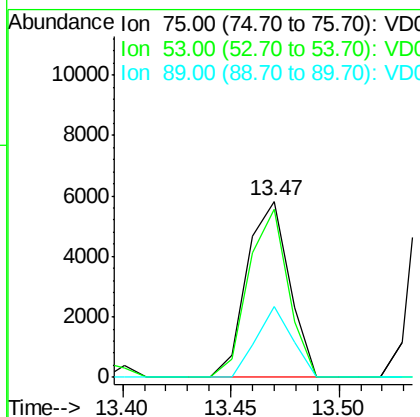
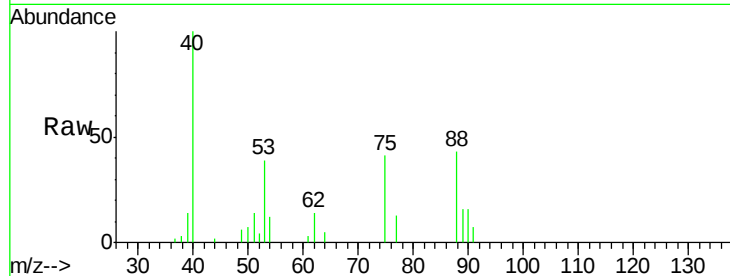
#81
trans-1,4-Dichloro-2-butene
Concen: 33.572 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VD061336.D
Acq: 26 Mar 2019 15:18

Instrument :
MSVOA_D
ClientSampleId :
VD0326SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.2	65.3	97.9
89	40.4	33.8	50.6

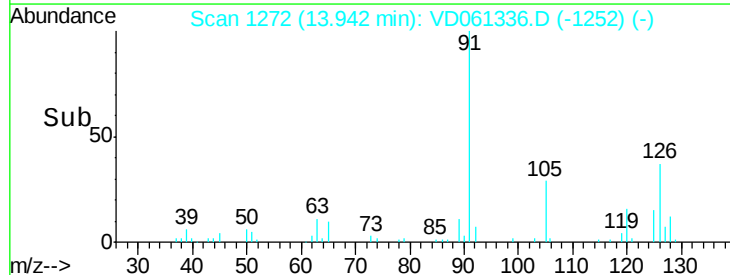
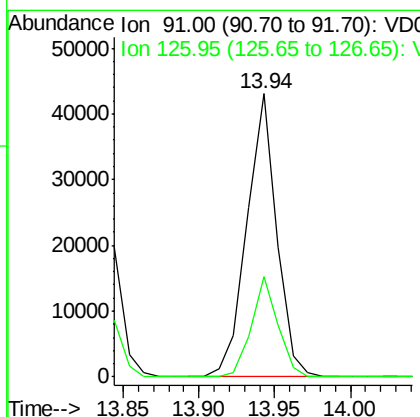
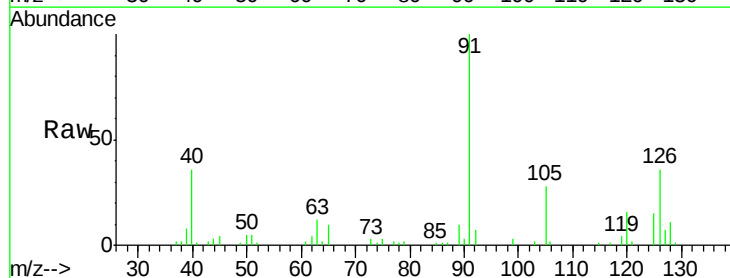
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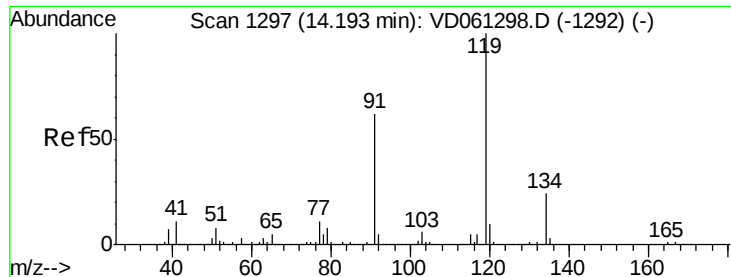
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.887 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VD061336.D
Acq: 26 Mar 2019 15:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.7	53.1





#83

tert-Butylbenzene

Concen: 18.751 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. -0.00 min

Lab File: VD061336.D

Acq: 26 Mar 2019 15:18

Instrument :

MSVOA_D

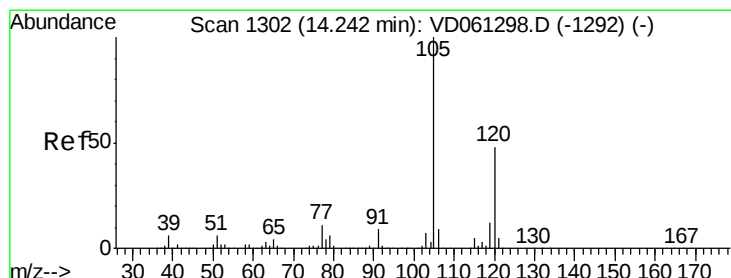
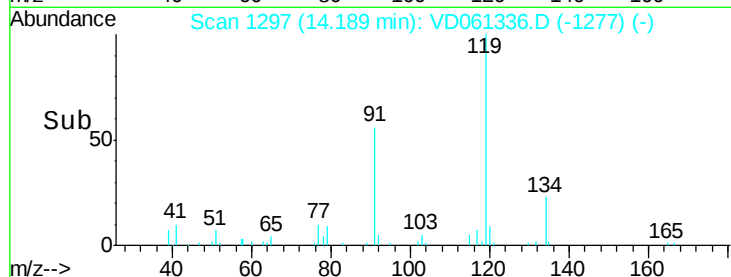
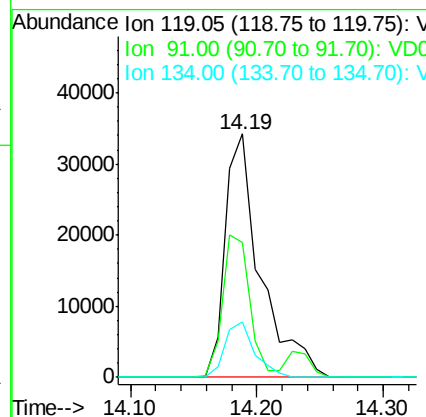
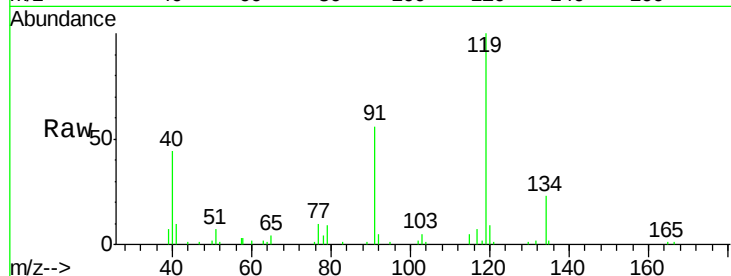
ClientSampleId :

VD0326SBS01

Tot Ion:	119	Resp:	66325
Ion Ratio	Lower	Upper	
119	100		
91	55.5	31.1	93.5
134	22.7	11.9	35.7

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 16.595 ug/l

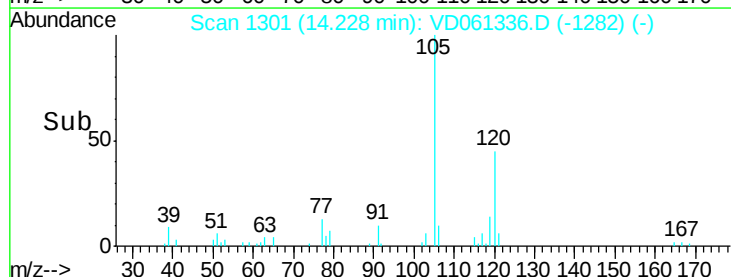
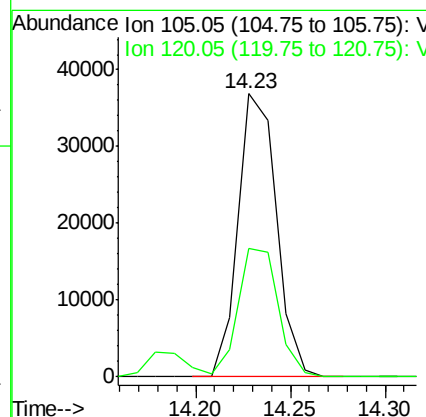
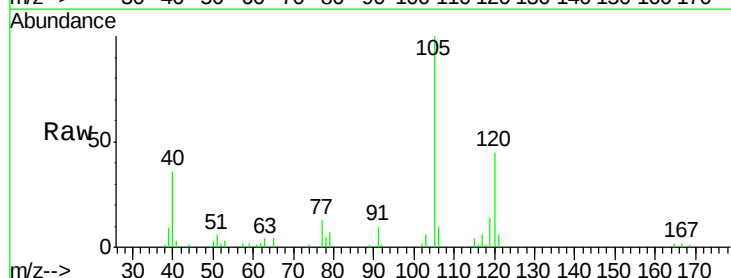
RT: 14.23 min Scan# 1301

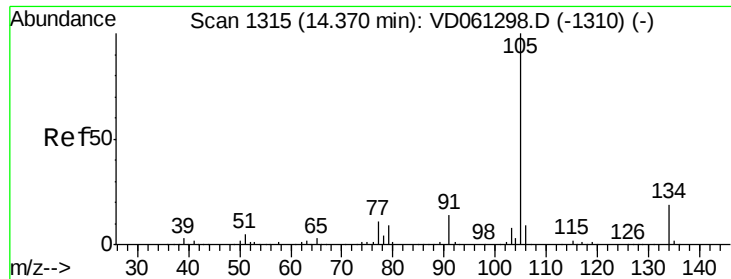
Delta R.T. -0.01 min

Lab File: VD061336.D

Acq: 26 Mar 2019 15:18

Tgt Ion:	105	Resp:	51409
Ion Ratio	Lower	Upper	
105	100		
120	45.4	23.8	71.4





#85

sec-Butylbenzene

Concen: 17.791 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD061336.D

Acq: 26 Mar 2019 15:18

Instrument :

MSVOA_D

ClientSampleId :

VD0326SBS01

Tot Ion:105 Resp: 70080

Ion Ratio Lower Upper

105 100

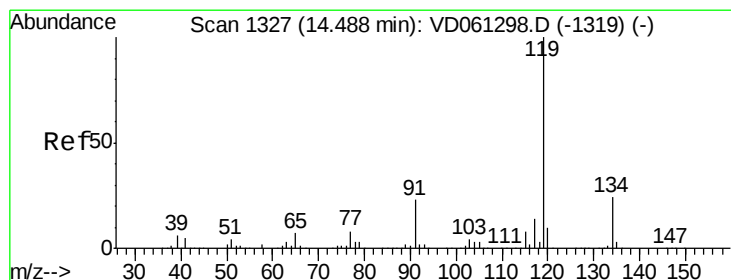
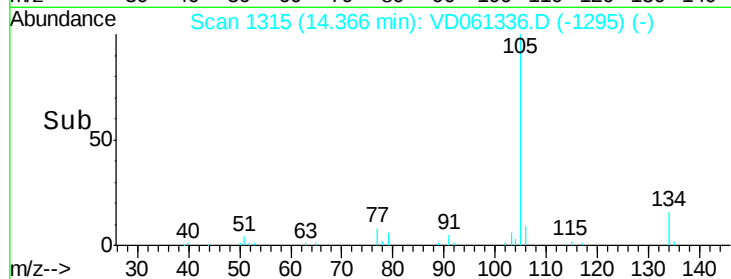
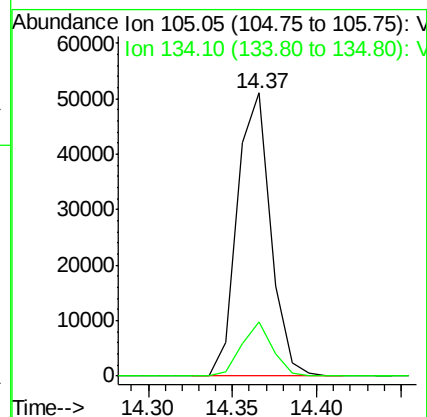
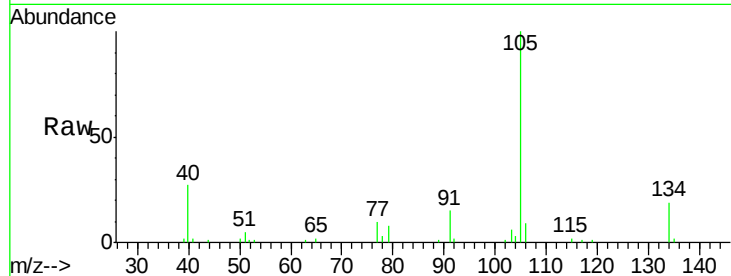
134 19.1 9.5 28.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 17.034 ug/l

RT: 14.48 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD061336.D

Acq: 26 Mar 2019 15:18

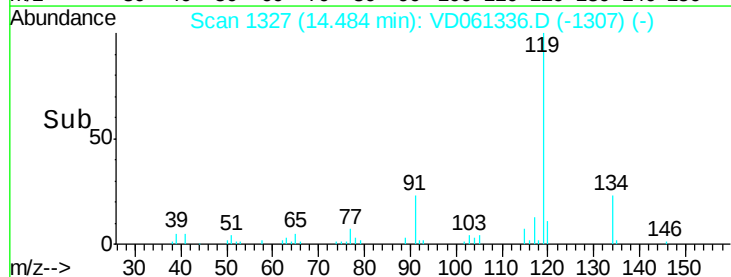
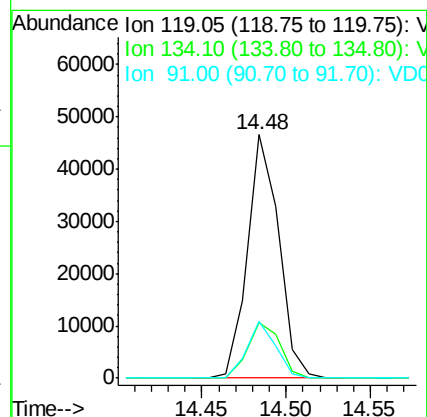
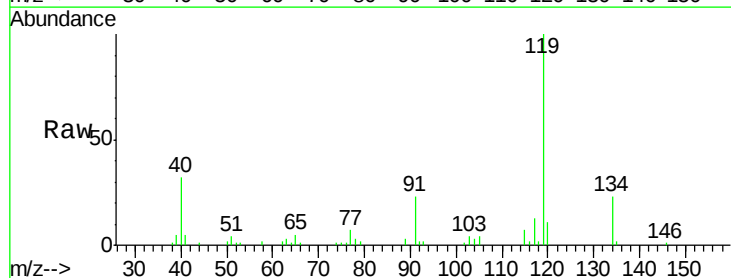
Tgt Ion:119 Resp: 59862

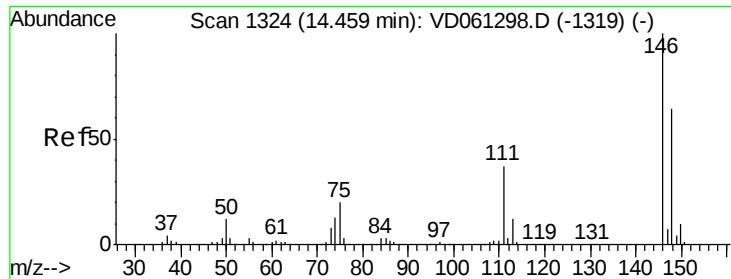
Ion Ratio Lower Upper

119 100

134 22.6 12.1 36.3

91 23.2 11.4 34.2





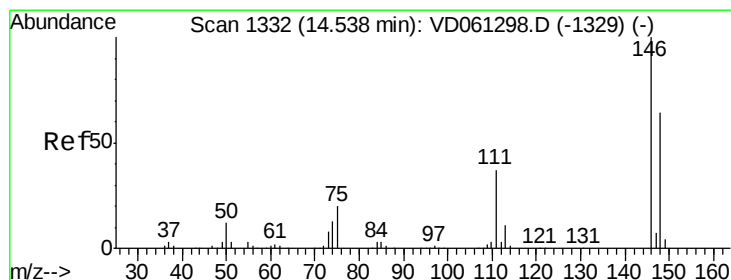
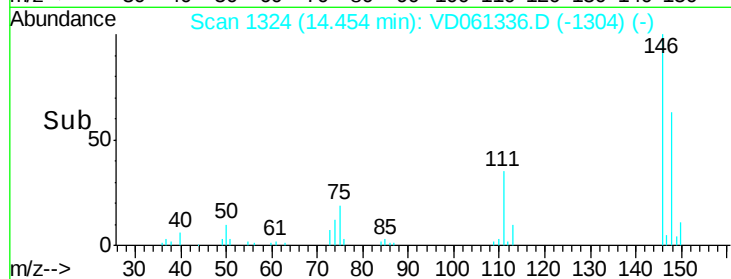
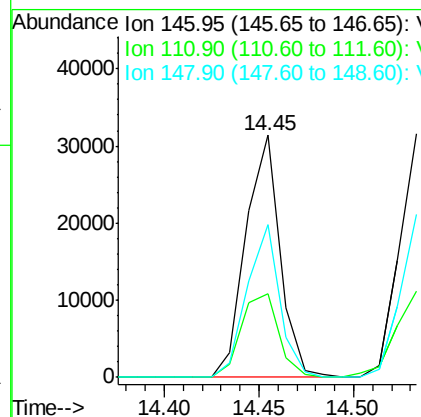
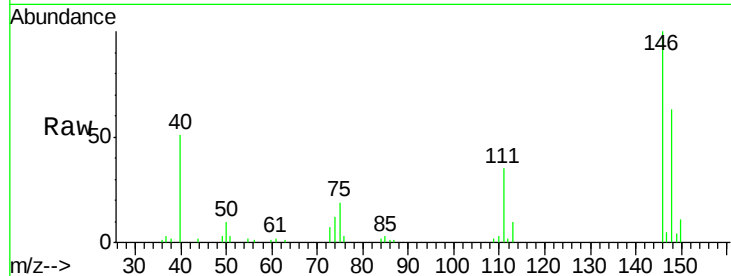
#87
 1,3-Dichlorobenzene
 Concen: 20.229 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD061336.D
 Acq: 26 Mar 2019 15:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0326SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.6	18.4	55.0
148	63.0	32.0	96.2

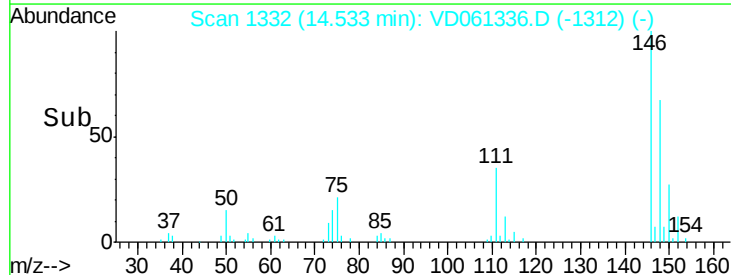
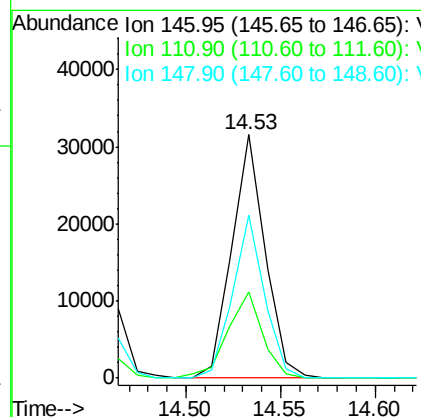
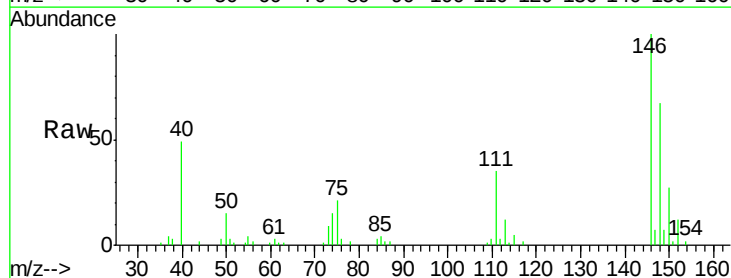
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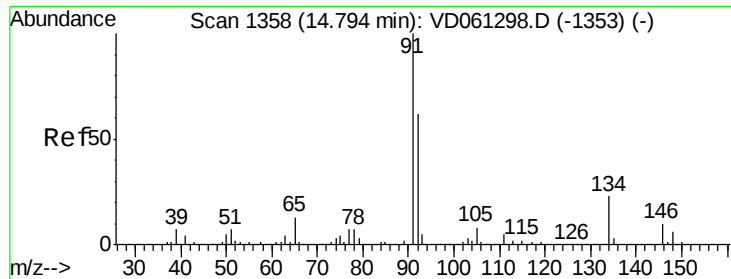
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#88
 1,4-Dichlorobenzene
 Concen: 20.254 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD061336.D
 Acq: 26 Mar 2019 15:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	18.6	55.6
148	66.7	31.9	95.5





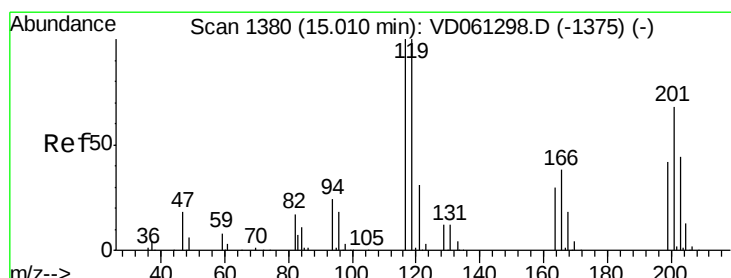
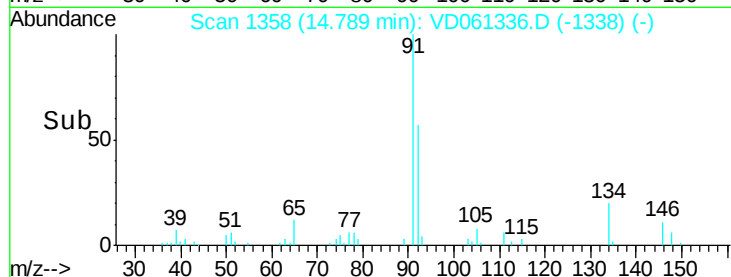
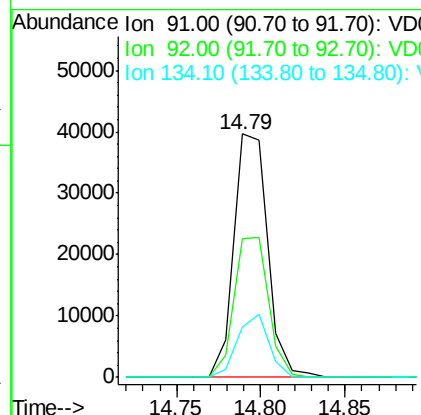
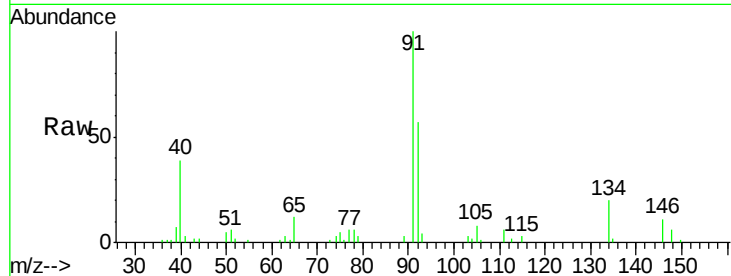
#89
n-Butylbenzene
Concen: 17.654 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VD061336.D
Acq: 26 Mar 2019 15:18

Instrument :
MSVOA_D
ClientSampleId :
VD0326SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	56.9	30.9	92.7
134	20.5	11.7	35.0

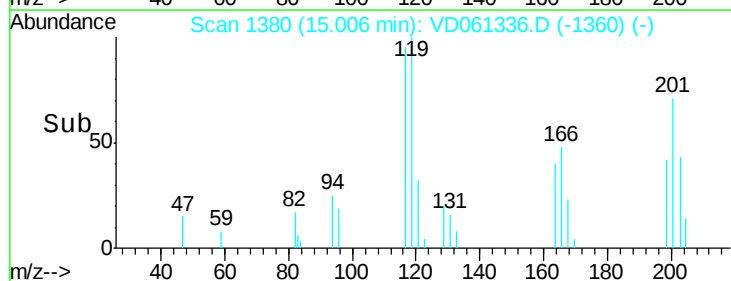
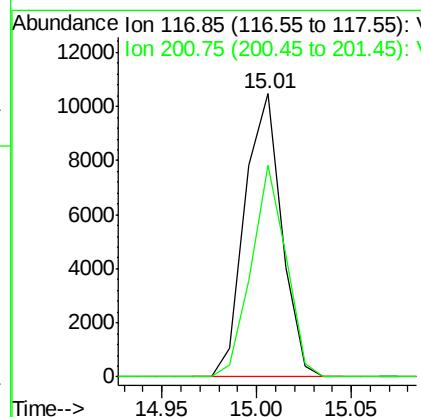
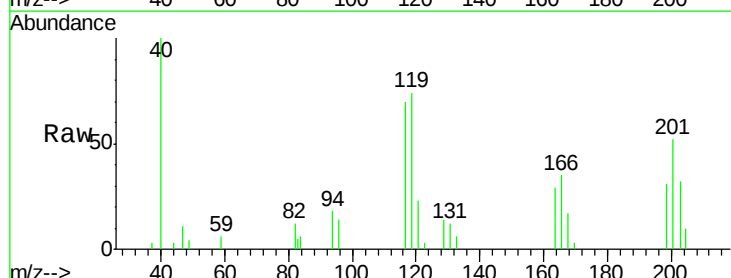
Manual Integrations
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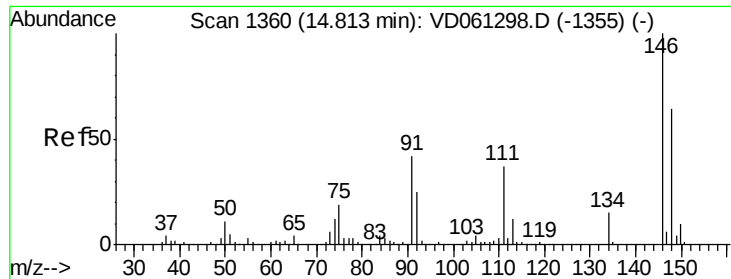
MMDadoda
3/27/2019 12:02:25 PM



#90
Hexachloroethane
Concen: 14.887 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD061336.D
Acq: 26 Mar 2019 15:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.7	34.0	101.8





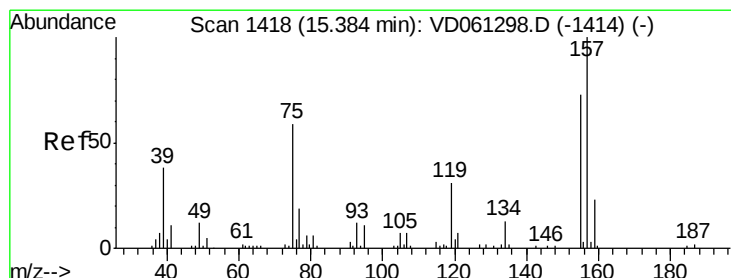
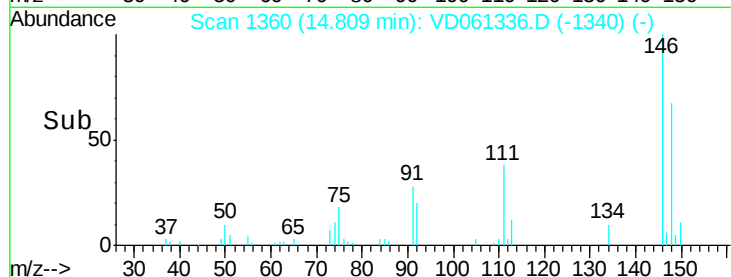
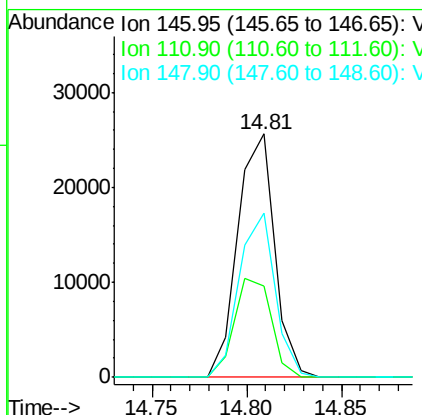
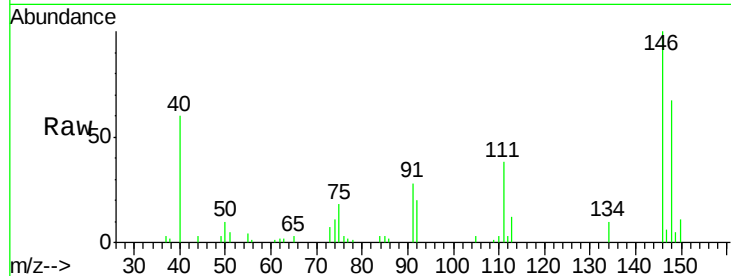
#91
 1,2-Dichlorobenzene
 Concen: 22.269 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD061336.D
 Acq: 26 Mar 2019 15:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0326SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.3	54.8
148	67.4	31.9	95.7

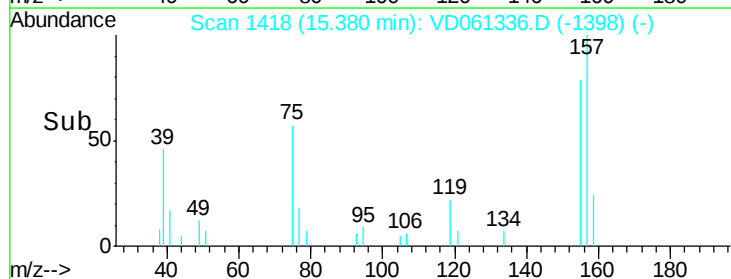
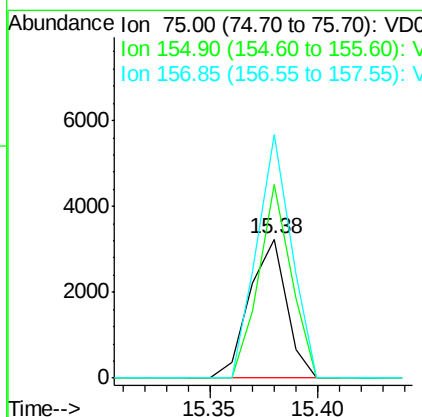
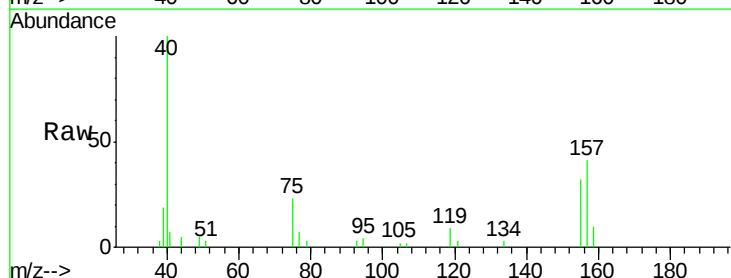
Manual Integrations
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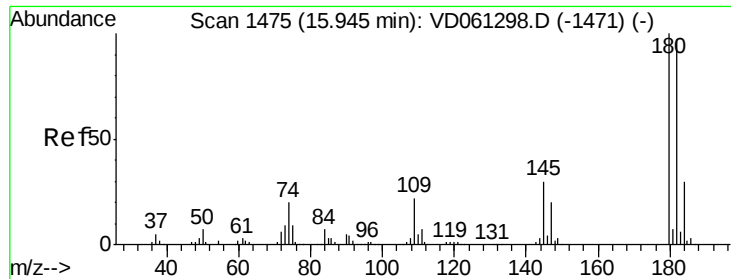
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 40.165 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD061336.D
 Acq: 26 Mar 2019 15:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	139.3	61.9	185.7
157	175.5	84.4	253.2





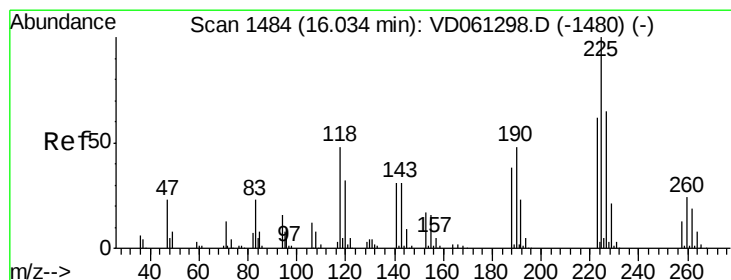
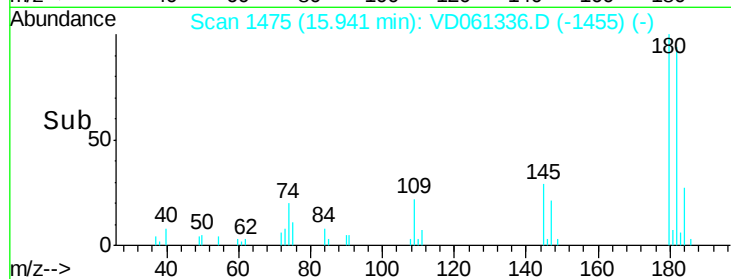
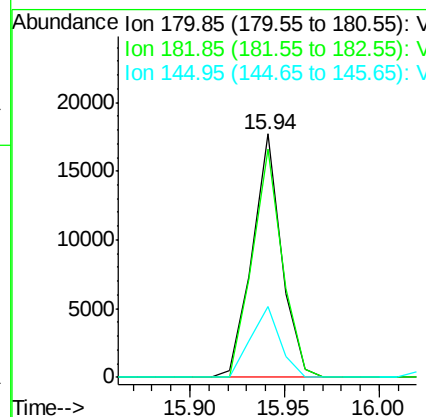
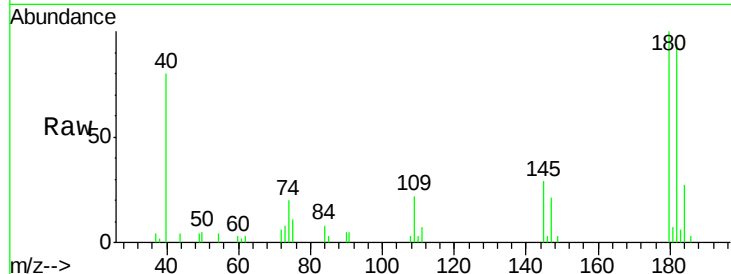
#93
 1,2,4-Trichlorobenzene
 Concen: 26.511 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD061336.D
 Acq: 26 Mar 2019 15:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0326SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.6	48.3	144.9
145	28.8	14.8	44.4

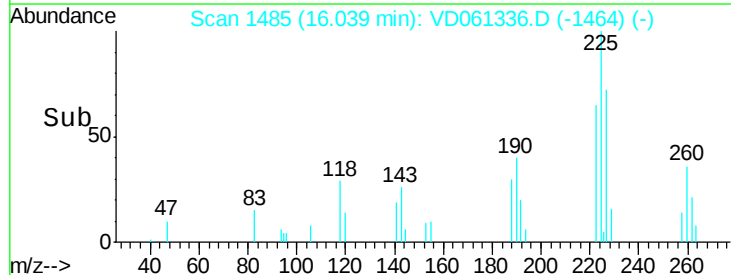
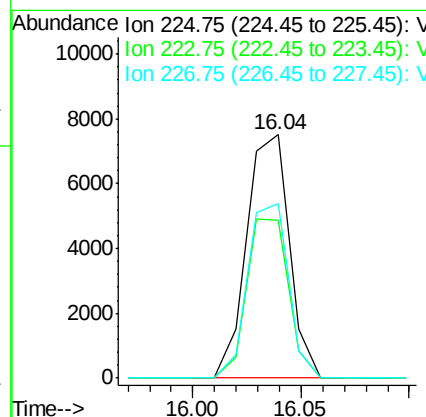
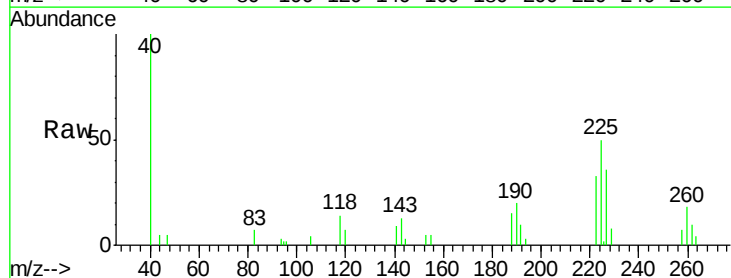
Manual Integrations
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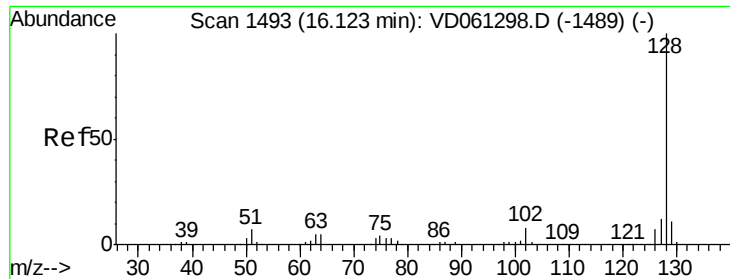
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 17.945 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061336.D
 Acq: 26 Mar 2019 15:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.7	30.9	92.8
227	71.7	32.6	97.7





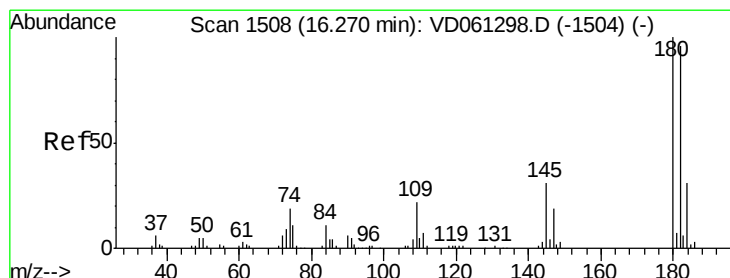
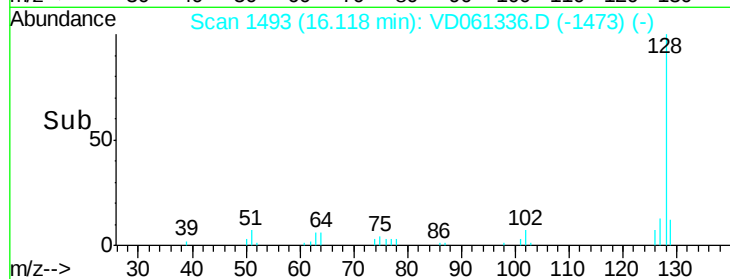
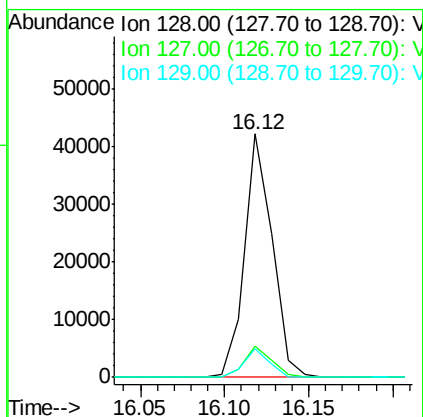
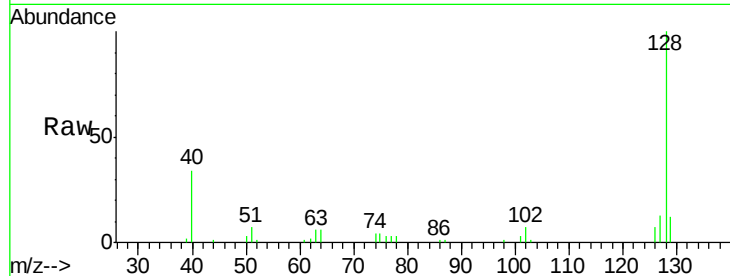
#95
Naphthalene
Concen: 45.854 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD061336.D
Acq: 26 Mar 2019 15:18

Instrument :
MSVOA_D
ClientSampleId :
VD0326SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	9.8	14.6
129	11.9	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 31.537 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD061336.D
Acq: 26 Mar 2019 15:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	88.7	48.0	144.2
145	27.0	15.4	46.4

