

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD013019\
 Data File : VD060802.D
 Acq On : 30 Jan 2019 13:35
 Operator : VA/AP
 Sample : VD0130SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/1/2019 3:55:42 PM

Quant Time: Jan 31 06:39:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 29 13:53:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.81	168	514305	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.00	114	757465	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.17	117	604003	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.33	152	311478	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.23	65	441860	56.04	ug/l	0.01
Spiked Amount			Recovery	=	112.08%	
35) Dibromofluoromethane	6.70	113	357311	49.19	ug/l	0.02
Spiked Amount			Recovery	=	98.38%	
50) Toluene-d8	10.20	98	824511	48.60	ug/l	0.01
Spiked Amount			Recovery	=	97.20%	
62) 4-Bromofluorobenzene	13.36	95	408238	47.88	ug/l	0.00
Spiked Amount			Recovery	=	95.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	119865	19.169	ug/l	95
3) Chloromethane	1.76	50	77585	20.723	ug/l	90
4) Vinyl Chloride	1.86	62	80458	20.246	ug/l	94
5) Bromomethane	2.15	94	25259	20.121	ug/l	89
6) Chloroethane	2.25	64	27562	17.385	ug/l	100
7) Trichlorofluoromethane	2.49	101	162883	20.822	ug/l	94
8) Diethyl Ether	2.82	74	22458	19.483	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.07	101	91249	23.017	ug/l	98
10) Methyl Iodide	3.23	142	92263	22.229	ug/l	96
11) Tert butyl alcohol	3.95	59	39247	104.158	ug/l	96
12) 1,1-Dichloroethene	3.06	96	65302	24.104	ug/l	98
13) Acrolein	2.98	56	18618	131.073	ug/l	94
14) Allyl chloride	3.52	41	140635	22.307	ug/l	99
15) Acrylonitrile	4.06	53	89658	106.195	ug/l	97
16) Acetone	3.15	43	122128	107.241	ug/l	97
17) Carbon Disulfide	3.30	76	209698	21.852	ug/l	99
18) Methyl Acetate	3.54	43	42195	18.690	ug/l	98
19) Methyl tert-butyl Ether	4.11	73	258710	20.917	ug/l	98
20) Methylene Chloride	3.69	84	112612	19.656	ug/l	98
21) trans-1,2-Dichloroethene	4.07	96	104759	21.935	ug/l	90
22) Diisopropyl ether	4.91	45	328065	20.193	ug/l	96
23) Vinyl Acetate	4.86	43	994532	106.302	ug/l	99
24) 1,1-Dichloroethane	4.79	63	223680	21.031	ug/l	98
25) 2-Butanone	5.86	43	143946	98.753	ug/l	98
26) 2,2-Dichloropropane	5.82	77	238413	21.275	ug/l	96
27) cis-1,2-Dichloroethene	5.82	96	106810	19.637	ug/l	97
28) Bromochloromethane	6.22	49	85619	20.636	ug/l	92
29) Tetrahydrofuran	6.25	42	69452	99.219	ug/l	97
30) Chloroform	6.44	83	261955	20.839	ug/l	94
31) Cyclohexane	6.75	56	137821	19.046	ug/l	95
32) 1,1,1-Trichloroethane	6.65	97	251125	20.745	ug/l	97
36) 1,1-Dichloropropene	6.93	75	174696	19.316	ug/l	95
37) Ethyl Acetate	5.96	43	71421	17.691	ug/l #	93
38) Carbon Tetrachloride	6.89	117	227188	20.033	ug/l	95

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Quant Time: Jan 31 06:39:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 29 13:53:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.66	83	143389	18.932	ug/l	97
40) Benzene	7.24	78	347660	19.477	ug/l	97
41) Methacrylonitrile	6.23	41	39398m	15.366	ug/l	
42) 1,2-Dichloroethane	7.36	62	194218	18.730	ug/l	93
43) Isopropyl Acetate	9.02	43	93150	17.690	ug/l	96
44) Trichloroethene	8.32	130	121174	20.025	ug/l	95
45) 1,2-Dichloropropane	8.72	63	90753	18.782	ug/l	95
46) Dibromomethane	8.85	93	69422	18.508	ug/l	97
47) Bromodichloromethane	9.16	83	193205	19.083	ug/l	100
48) Methyl methacrylate	8.90	41	66592	18.340	ug/l	94
49) 1,4-Dioxane	8.89	88	12071	403.714	ug/l #	91
51) 4-Methyl-2-Pentanone	10.09	43	334764	98.174	ug/l	100
52) Toluene	10.30	92	226888	20.039	ug/l	95
53) t-1,3-Dichloropropene	10.70	75	176032	19.766	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	179762	19.683	ug/l	97
55) 1,1,2-Trichloroethane	10.99	97	72004	18.652	ug/l	98
56) Ethyl methacrylate	10.84	69	88461	18.916	ug/l	95
57) 1,3-Dichloropropane	11.21	76	128724	19.511	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.64	63	239372	97.556	ug/l	94
59) 2-Hexanone	11.33	43	247552	96.552	ug/l	96
60) Dibromochloromethane	11.48	129	134837	19.429	ug/l	99
61) 1,2-Dibromoethane	11.61	107	82742	18.200	ug/l	97
64) Tetrachloroethene	11.06	164	109648	19.780	ug/l	94
65) Chlorobenzene	12.20	112	267360	19.370	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.32	131	123085	20.756	ug/l	98
67) Ethyl Benzene	12.33	91	544371	21.933	ug/l	98
68) m/p-Xylenes	12.47	106	332898	41.225	ug/l	96
69) o-Xylene	12.86	106	155166	19.415	ug/l	95
70) Styrene	12.88	104	251316	18.752	ug/l	98
71) Bromoform	13.05	173	81933	18.338	ug/l	99
73) Isopropylbenzene	13.21	105	490861	19.765	ug/l	98
74) N-amyl acetate	13.08	43	145491	19.057	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.51	83	81599	18.045	ug/l	90
76) 1,2,3-Trichloropropane	13.54	75	106061	18.569	ug/l	94
77) Bromobenzene	13.48	156	122505	19.190	ug/l	96
78) n-propylbenzene	13.58	91	591182	18.963	ug/l	98
79) 2-Chlorotoluene	13.65	91	401482	21.114	ug/l	93
80) 1,3,5-Trimethylbenzene	14.05	105	428110	20.024	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.28	75	26313	17.670	ug/l #	92
82) 4-Chlorotoluene	13.75	91	452911	21.431	ug/l	93
83) tert-Butylbenzene	14.00	119	442397	19.778	ug/l	96
84) 1,2,4-Trimethylbenzene	14.05	105	428110	20.024	ug/l	96
85) sec-Butylbenzene	14.18	105	522727	20.530	ug/l	97
86) p-Isopropyltoluene	14.30	119	467380	22.609	ug/l	98
87) 1,3-Dichlorobenzene	14.27	146	232407	20.354	ug/l	95
88) 1,4-Dichlorobenzene	14.35	146	215863	19.457	ug/l	96
89) n-Butylbenzene	14.61	91	461720	21.407	ug/l	98
90) Hexachloroethane	14.82	117	119788	19.473	ug/l	80
91) 1,2-Dichlorobenzene	14.62	146	197759	20.866	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.19	75	20779	19.342	ug/l	62

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ClientSampleId :
VD0130SBSD01

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Quant Title : SW846 8260
QLast Update : Tue Jan 29 13:53:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	167553	20.417	ug/l	99
94) Hexachlorobutadiene	15.85	225	132770	21.563	ug/l	99
95) Naphthalene	15.94	128	240653	19.086	ug/l	99
96) 1,2,3-Trichlorobenzene	16.09	180	142735	20.002	ug/l	97

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

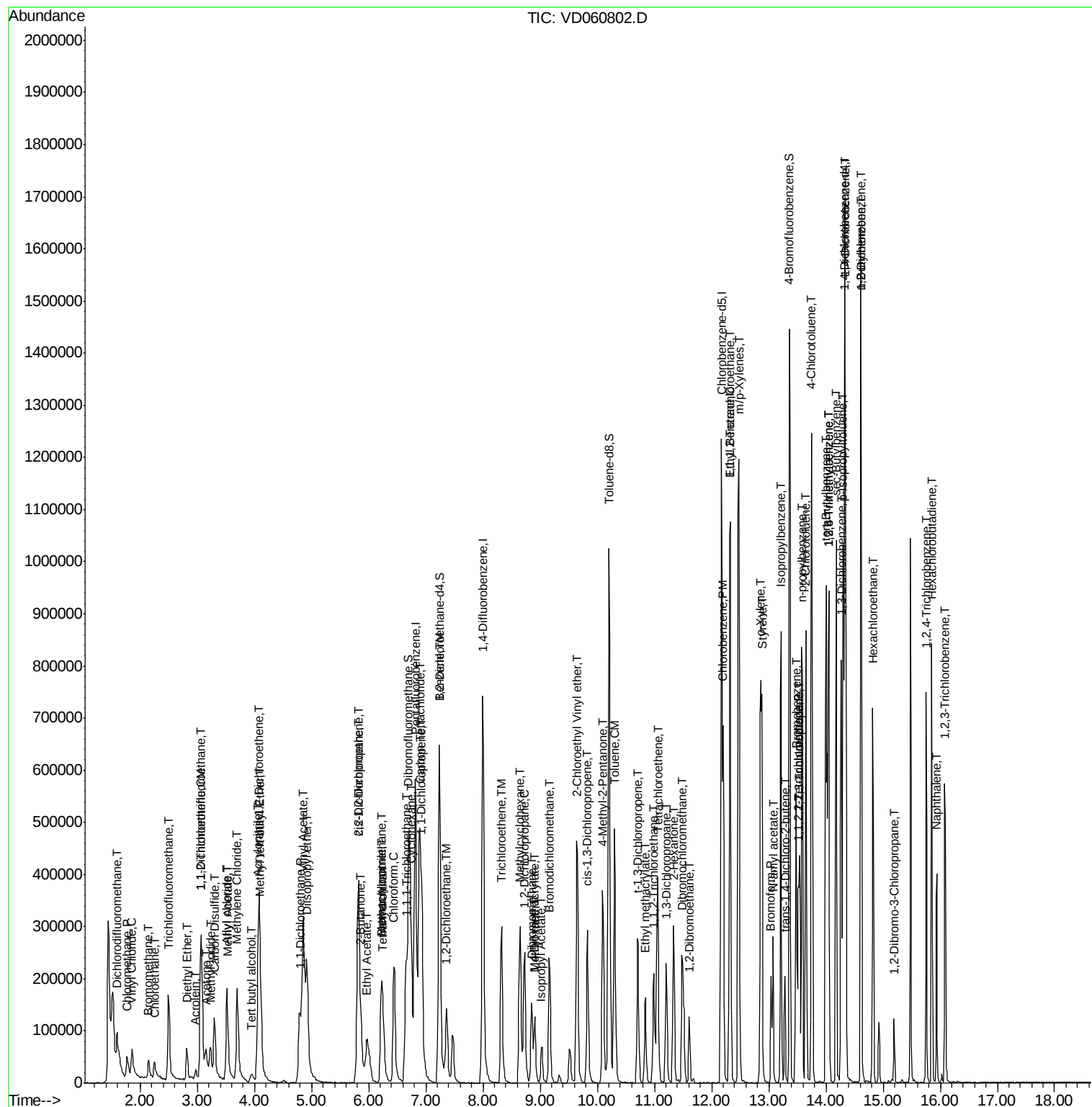
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD013019\
Data File : VD060802.D
Acq On : 30 Jan 2019 13:35
Operator : VA/AP
Sample : VD0130SBSD01
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

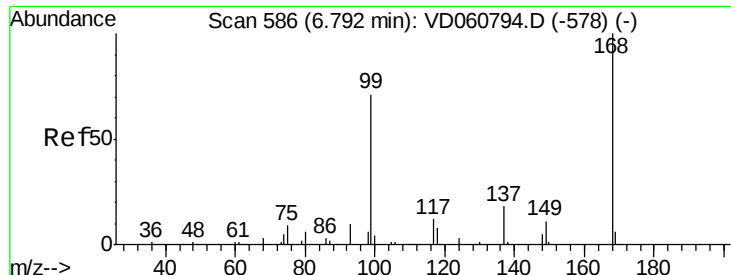
Instrument :
MSVOA_D
ClientSampleID :
VD0130SBSD01

Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.81 min Scan# 588

Delta R.T. 0.02 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

Tot Ion:168 Resp: 514305

Ion Ratio Lower Upper

168 100

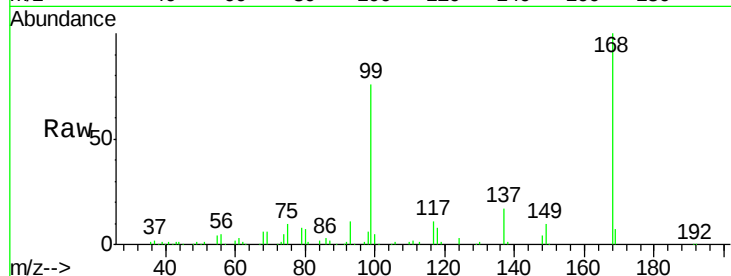
99 75.7 59.2 88.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.81

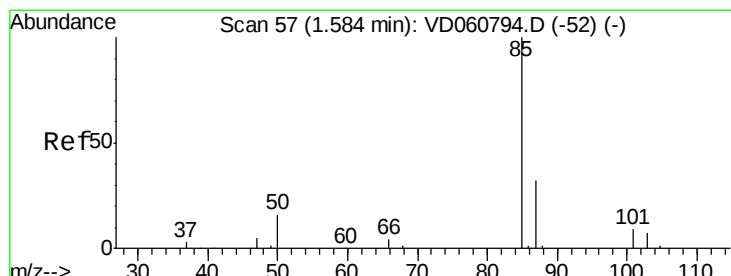
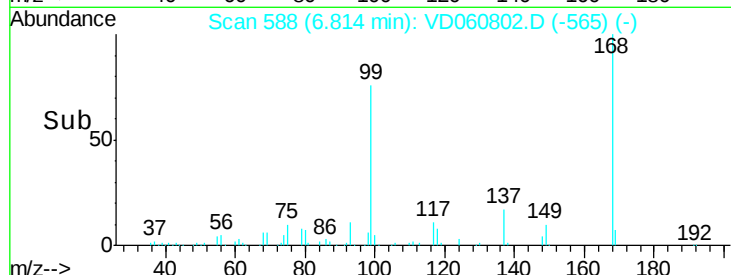
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.169 ug/l

RT: 1.60 min Scan# 58

Delta R.T. 0.01 min

Lab File: VD060802.D

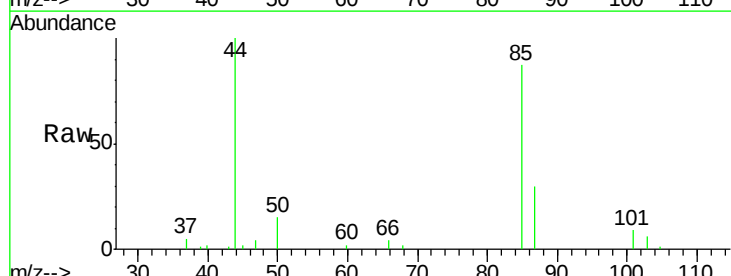
Acq: 30 Jan 2019 13:35

Tgt Ion: 85 Resp: 119865

Ion Ratio Lower Upper

85 100

87 35.0 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.60

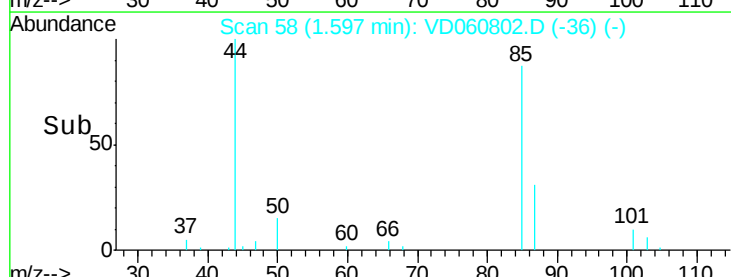
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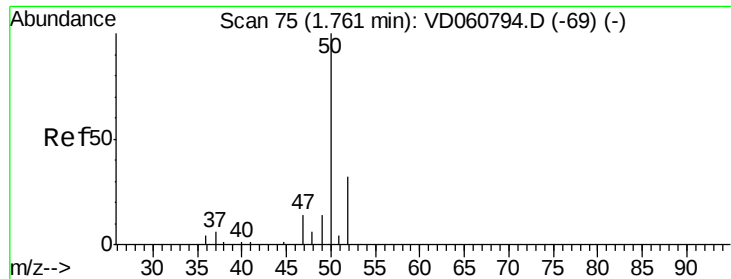
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Time-->





#3

Chloromethane

Concen: 20.723 ug/l

RT: 1.76 min Scan# 75

Delta R.T. 0.00 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

Tot Ion: 50 Resp: 77585

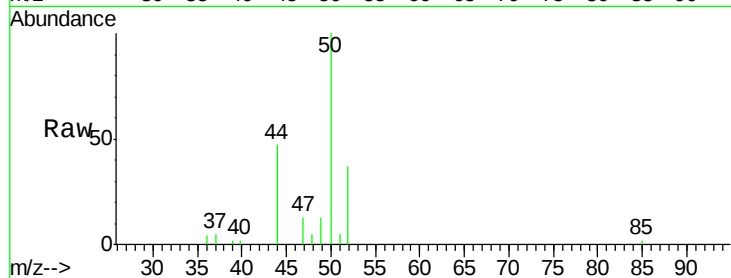
Ion Ratio Lower Upper

50 100

52 36.9 25.2 37.8

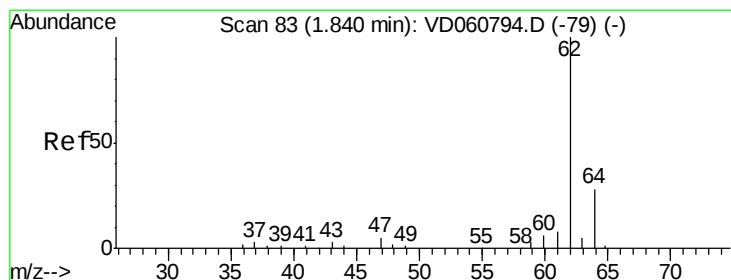
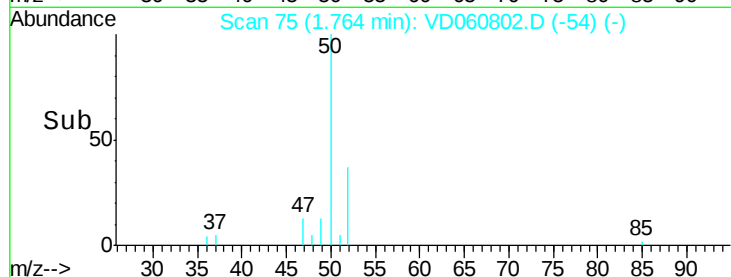
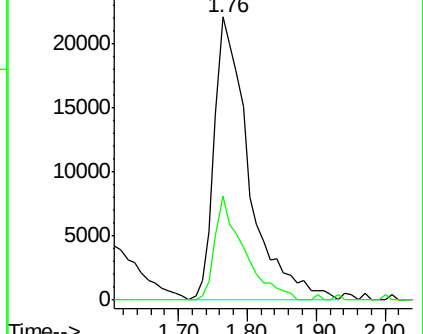
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.246 ug/l

RT: 1.86 min Scan# 85

Delta R.T. 0.02 min

Lab File: VD060802.D

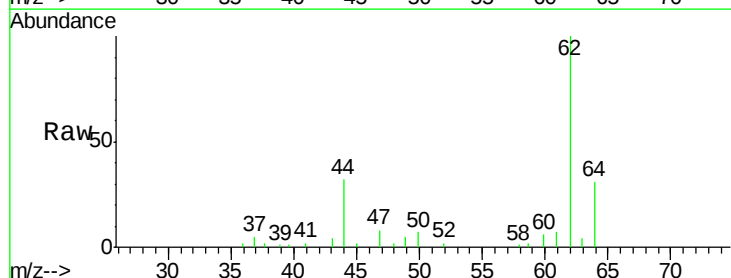
Acq: 30 Jan 2019 13:35

Tgt Ion: 62 Resp: 80458

Ion Ratio Lower Upper

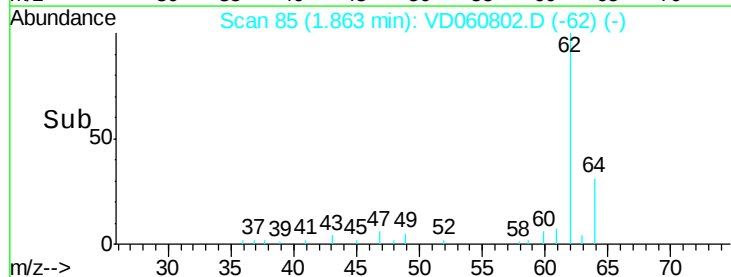
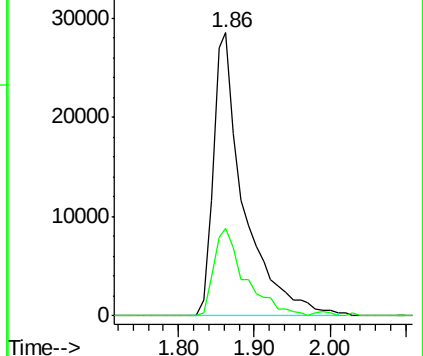
62 100

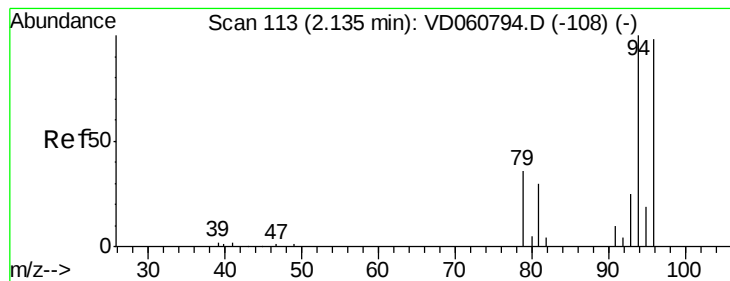
64 30.9 22.1 33.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 20.121 ug/l

RT: 2.15 min Scan# 114

Delta R.T. 0.01 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

Tot Ion: 94 Resp: 25259

Ion Ratio Lower Upper

94 100

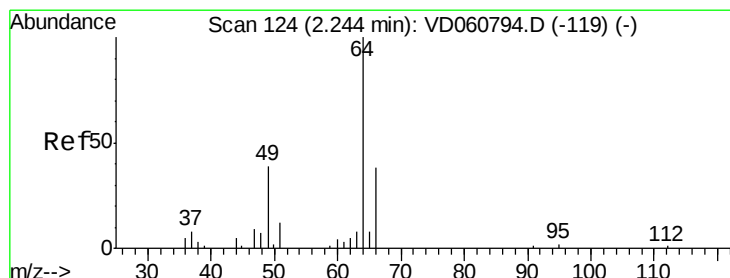
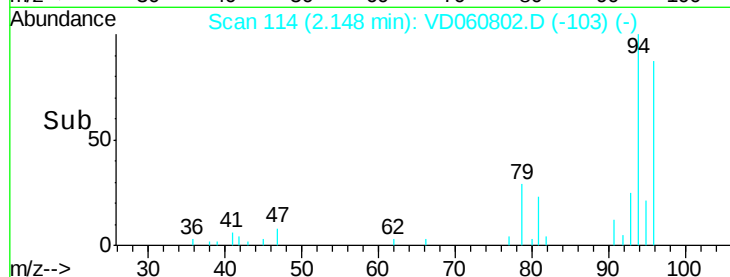
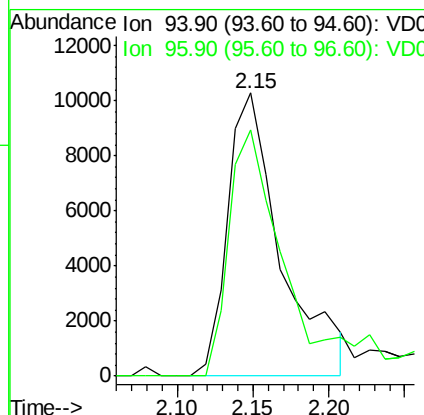
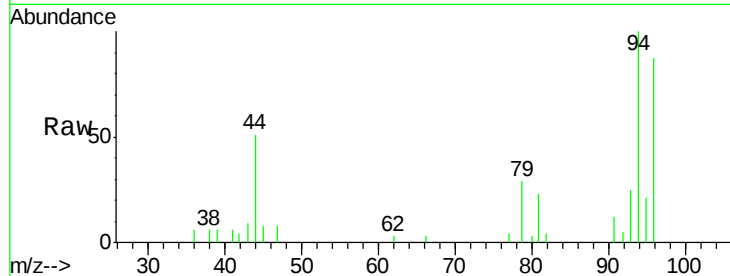
96 87.0 78.0 117.0

Manual Integrations

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#6

Chloroethane

Concen: 17.385 ug/l

RT: 2.25 min Scan# 124

Delta R.T. 0.00 min

Lab File: VD060802.D

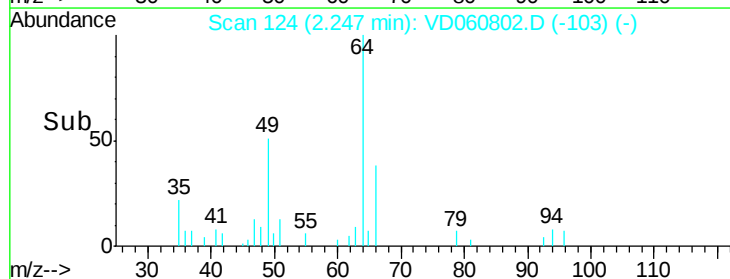
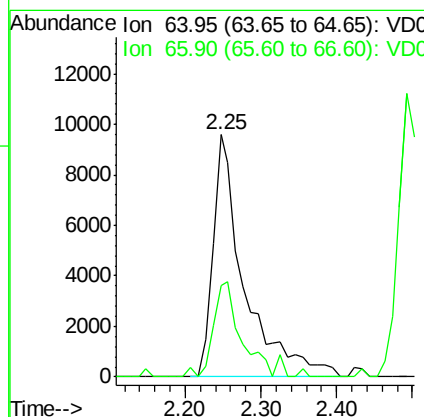
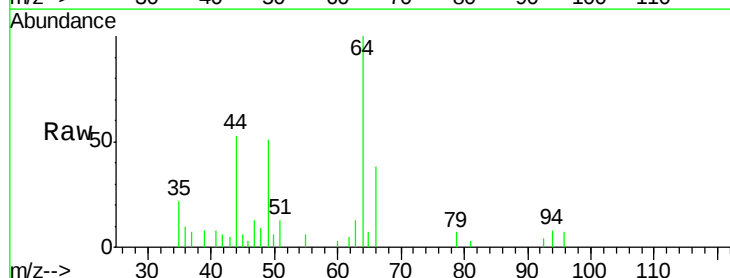
Acq: 30 Jan 2019 13:35

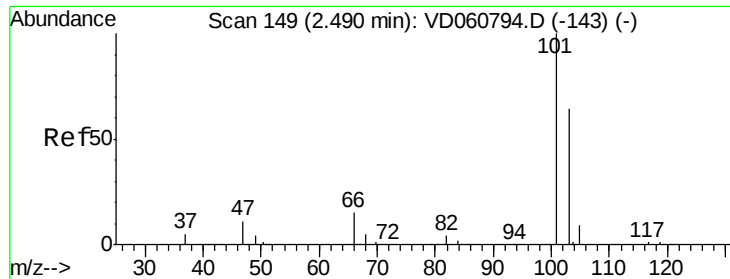
Tgt Ion: 64 Resp: 27562

Ion Ratio Lower Upper

64 100

66 37.5 30.2 45.4





#7

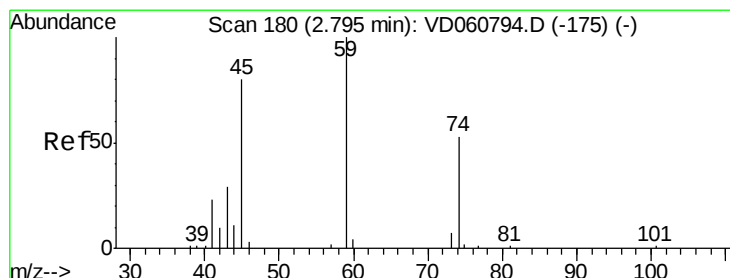
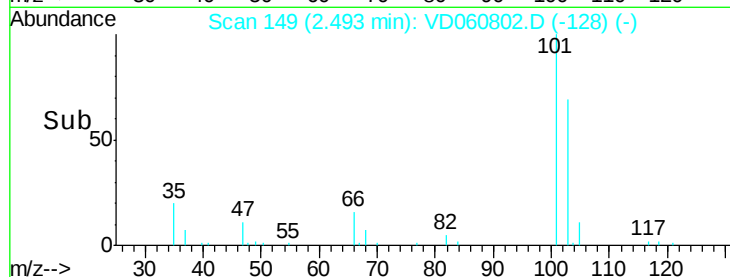
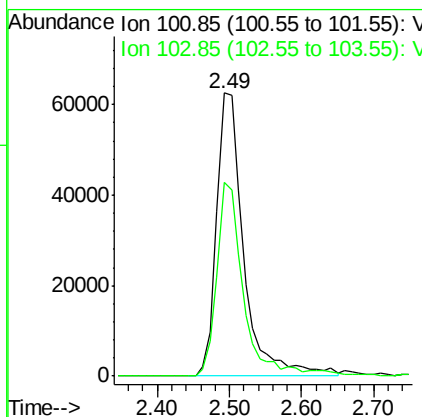
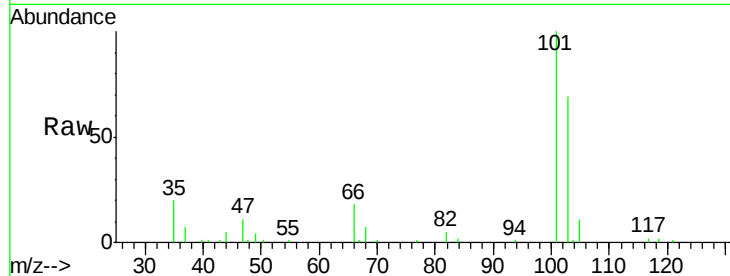
Trichlorofluoromethane
Concen: 20.822 ug/l
RT: 2.49 min Scan# 149
Delta R.T. 0.00 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Instrument :
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ClientSampleId :
VD0130SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.6	51.3	76.9

Manual Integrations
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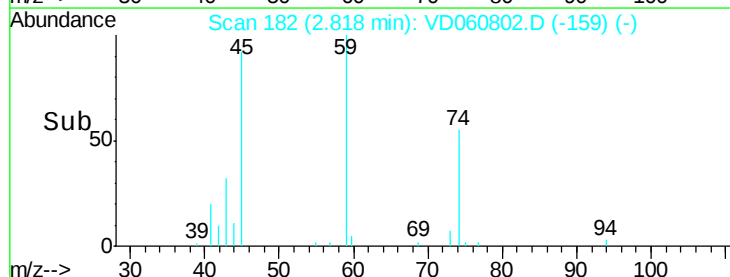
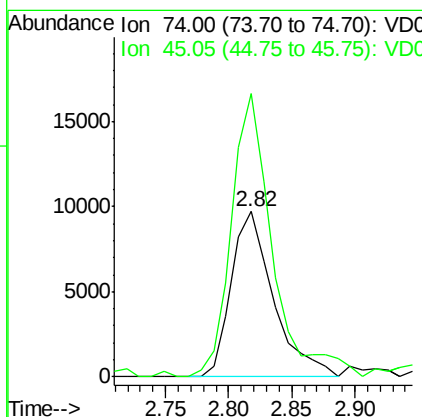
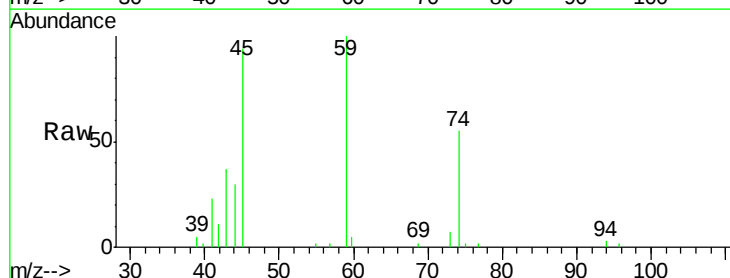
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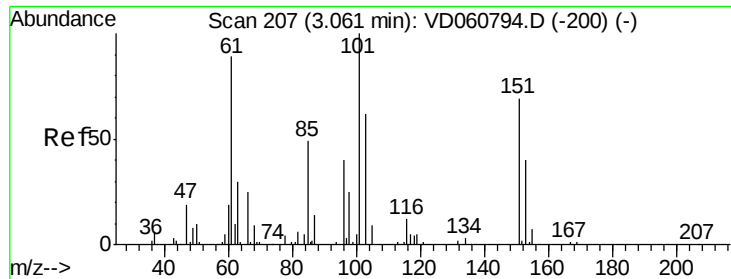


#8

Diethyl Ether
Concen: 19.483 ug/l
RT: 2.82 min Scan# 182
Delta R.T. 0.02 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	171.4	75.6	226.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.017 ug/l

RT: 3.07 min Scan# 208

Delta R.T. 0.01 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Instrument :

MSVOA_D

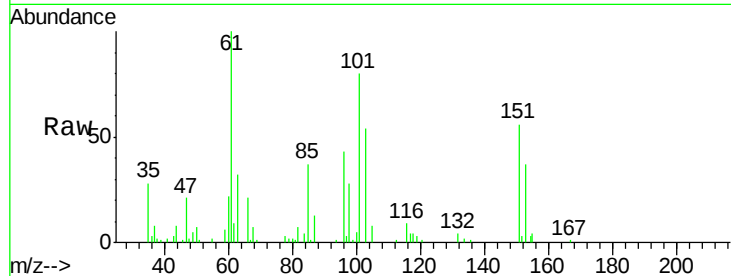
ClientSampleId :

VD0130SBS01

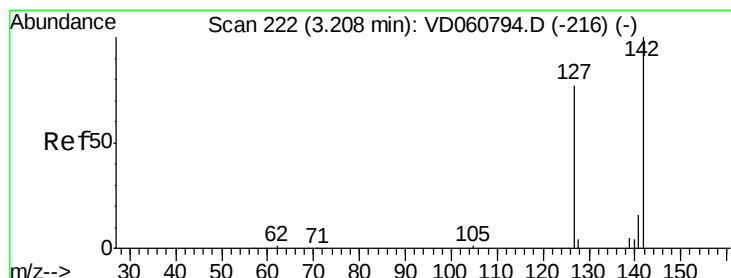
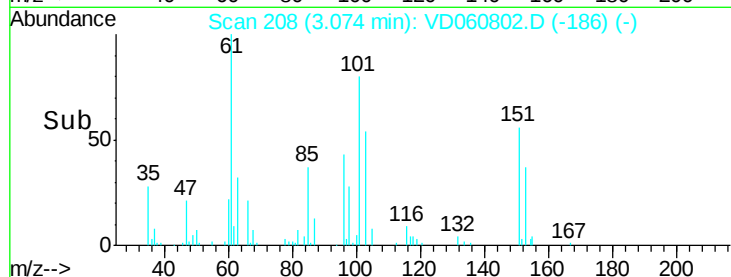
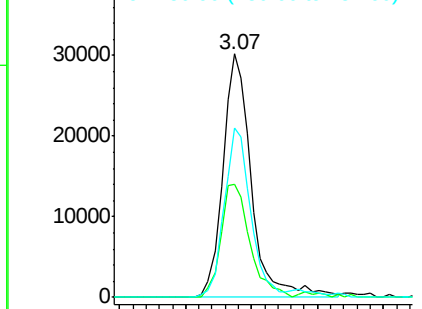
Tot Ion:	101	Resp:	91249
Ion Ratio	Lower	Upper	
101	100		
85	46.5	39.3	58.9
151	69.6	55.1	82.7

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Abundance Ion 100.85 (100.55 to 101.55): V
Ion 84.95 (84.65 to 85.65): V
Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 22.229 ug/l

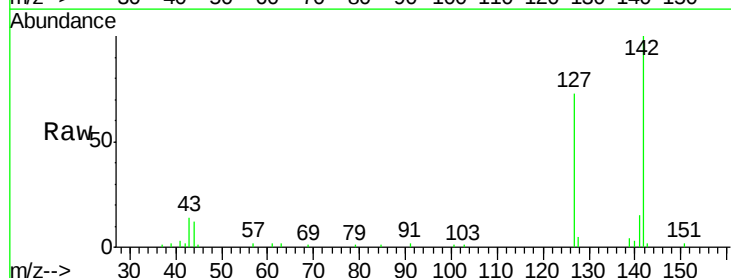
RT: 3.23 min Scan# 224

Delta R.T. 0.02 min

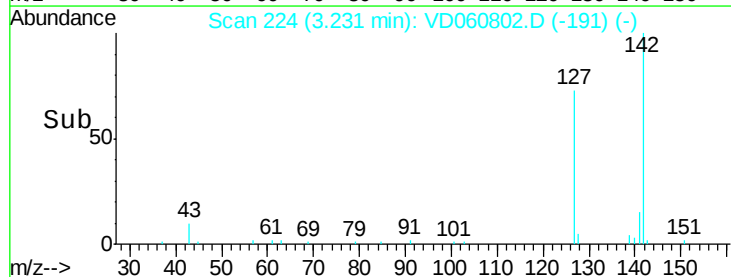
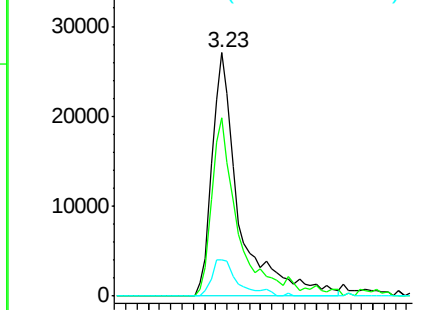
Lab File: VD060802.D

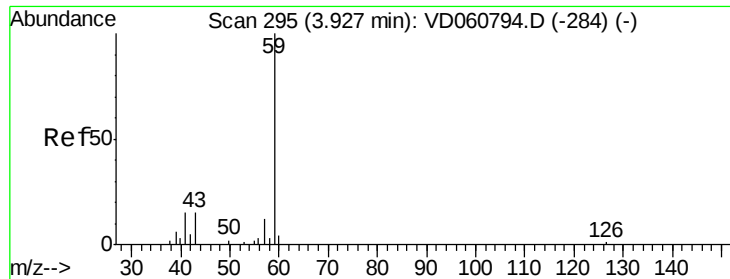
Acq: 30 Jan 2019 13:35

Tgt Ion:	142	Resp:	92263
Ion Ratio	Lower	Upper	
142	100		
127	73.3	61.6	92.4
141	14.8	12.5	18.7



Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V





#11

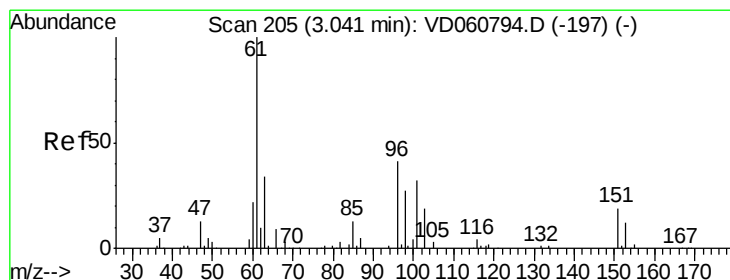
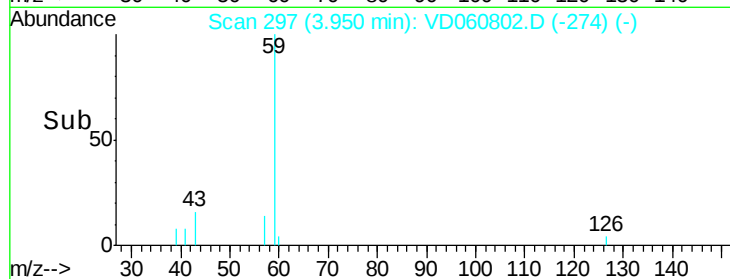
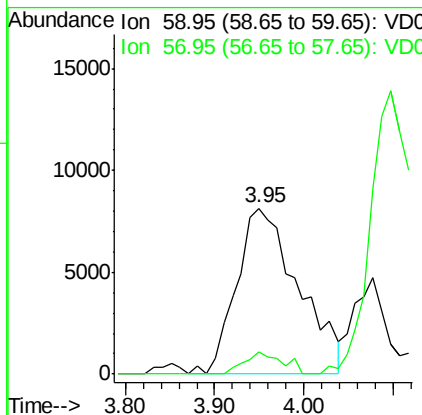
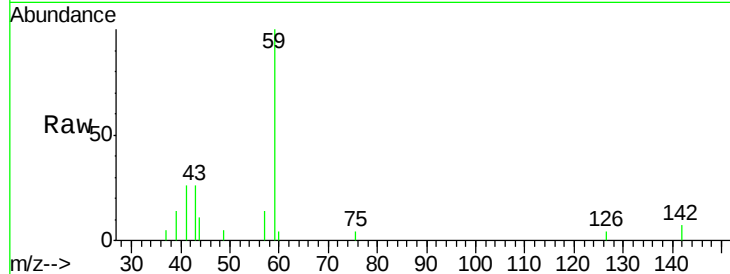
Tert butyl alcohol
Concen: 104.158 ug/l
RT: 3.95 min Scan# 297
Delta R.T. 0.02 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

Tot Ion: 59 Resp: 39247
Ion Ratio Lower Upper
59 100
57 13.7 9.8 14.6

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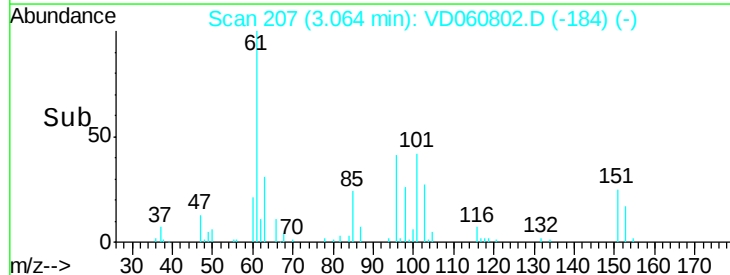
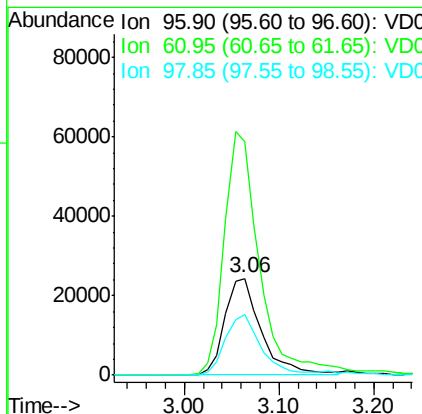
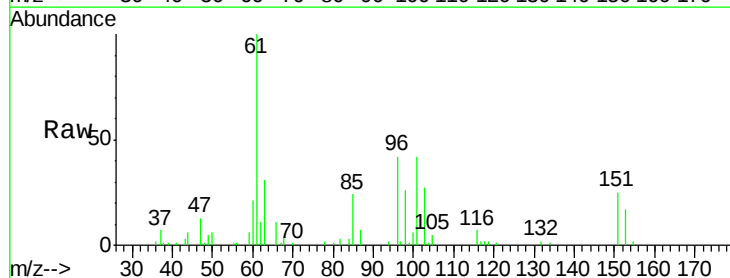
MMDadoda
2/1/2019 3:55:42 PM

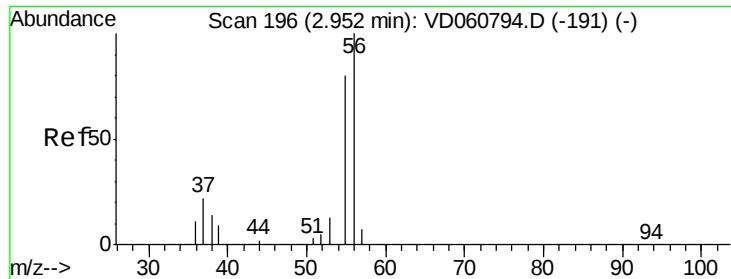


#12

1,1-Dichloroethene
Concen: 24.104 ug/l
RT: 3.06 min Scan# 207
Delta R.T. 0.02 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Tgt Ion: 96 Resp: 65302
Ion Ratio Lower Upper
96 100
61 240.5 195.1 292.7
98 62.9 52.5 78.7





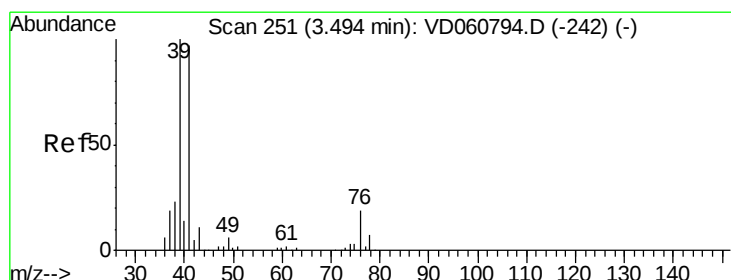
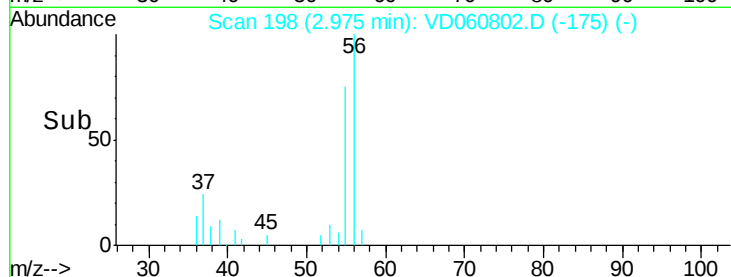
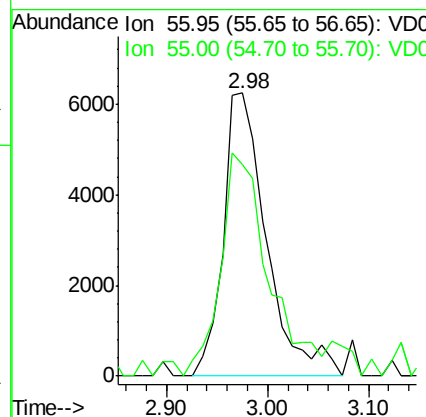
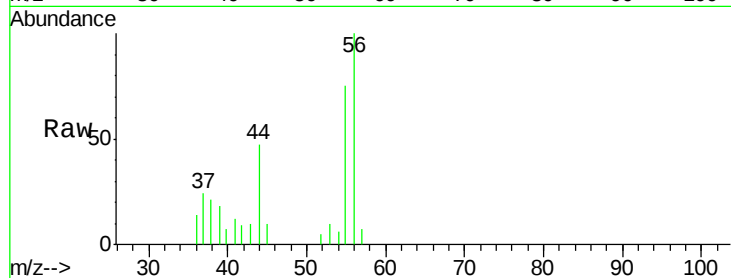
#13
Acrolein
Concen: 131.073 ug/l
RT: 2.98 min Scan# 198
Delta R.T. 0.02 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBSD01

Tot Ion	56	Resp	18618
Ion Ratio	100	Lower	Upper
55	74.6	64.2	96.2

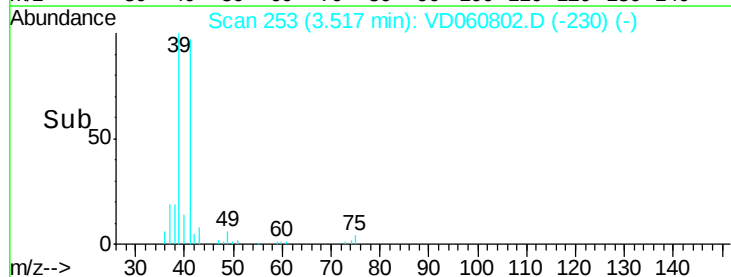
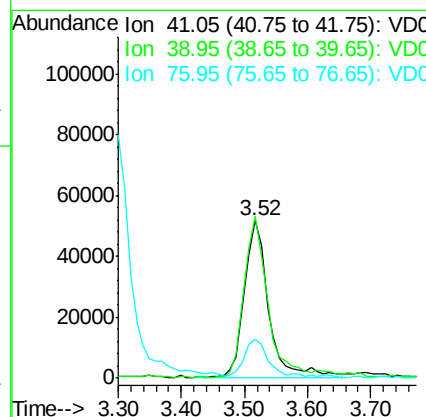
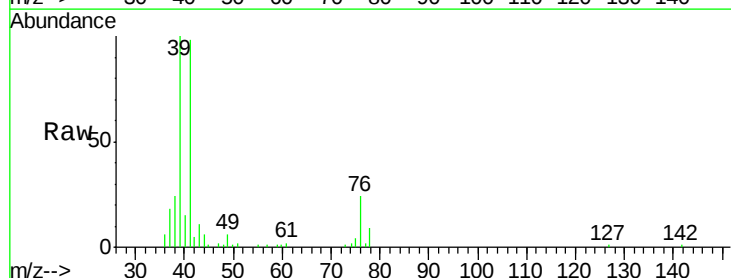
Manual Integrations
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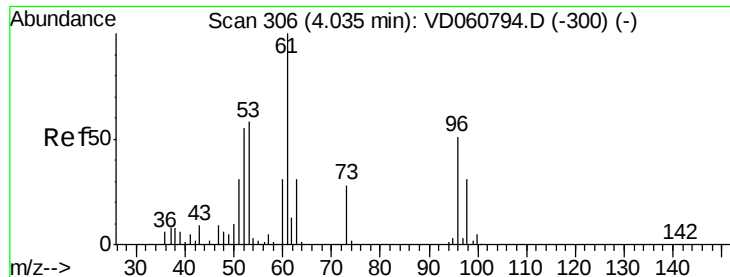
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#14
Allyl chloride
Concen: 22.307 ug/l
RT: 3.52 min Scan# 253
Delta R.T. 0.02 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Tgt Ion	41	Resp	140635
Ion Ratio	100	Lower	Upper
39	102.3	82.6	123.8
76	24.8	18.9	28.3





#15

Acrylonitrile

Concen: 106.195 ug/l

RT: 4.06 min Scan# 308

Delta R.T. 0.02 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Instrument :

MSVOA_D

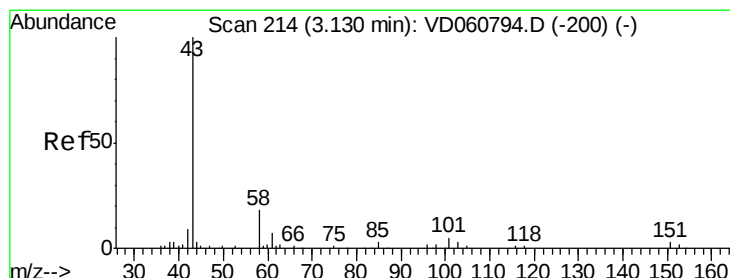
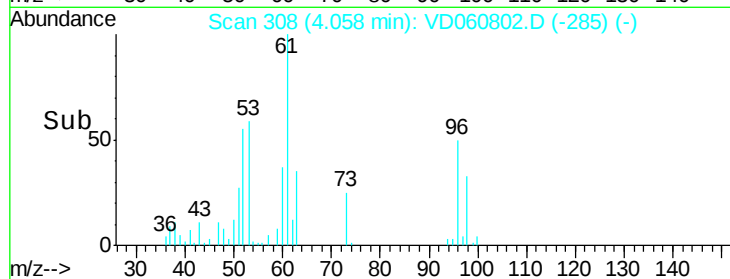
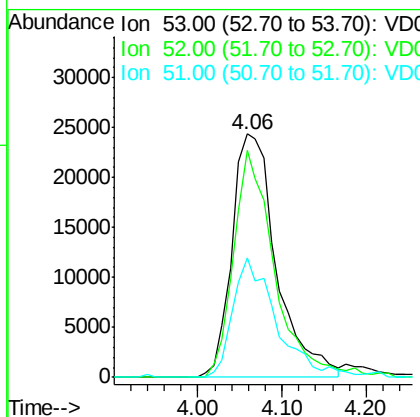
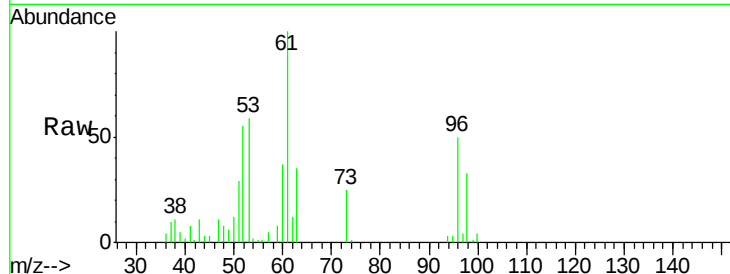
ClientSampleId :

VD0130SBS01

Tot Ion:	53	Resp:	89658
Ion Ratio	Lower	Upper	
53	100		
52	93.1	75.4	113.2
51	49.3	42.5	63.7

Manual Integrations
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#16

Acetone

Concen: 107.241 ug/l

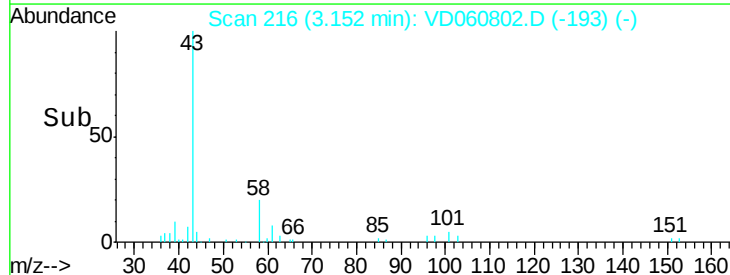
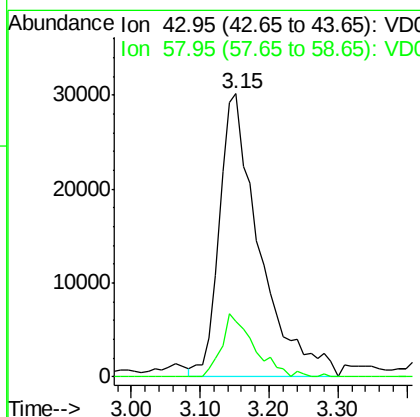
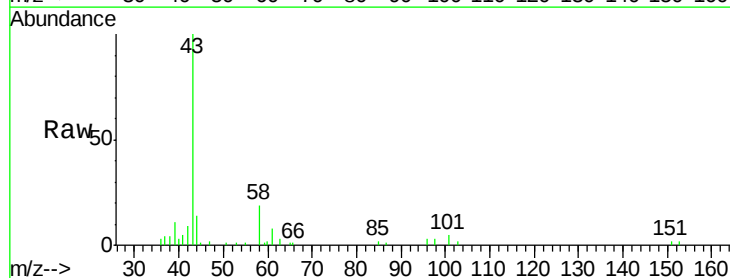
RT: 3.15 min Scan# 216

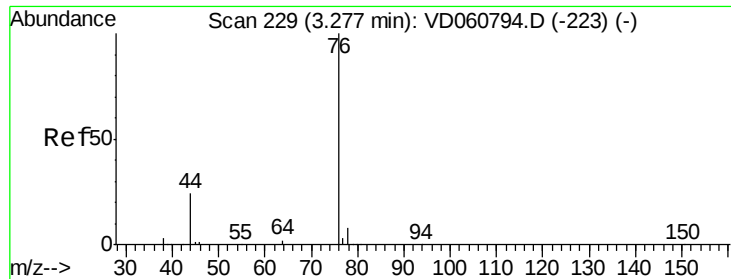
Delta R.T. 0.02 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Tgt Ion:	43	Resp:	122128
Ion Ratio	Lower	Upper	
43	100		
58	19.4	14.5	21.7





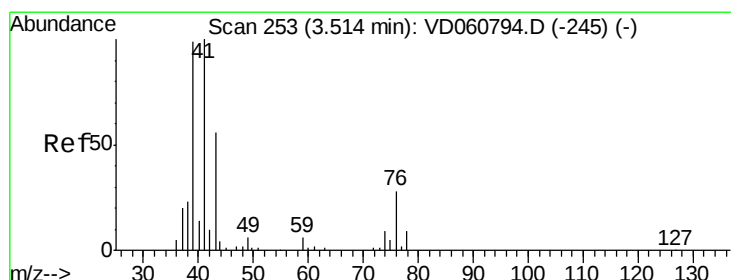
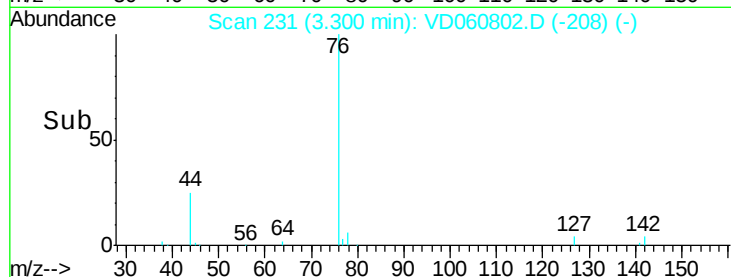
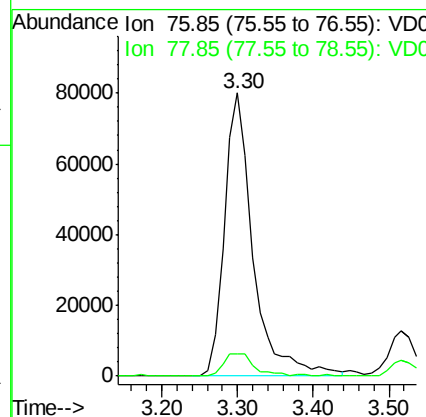
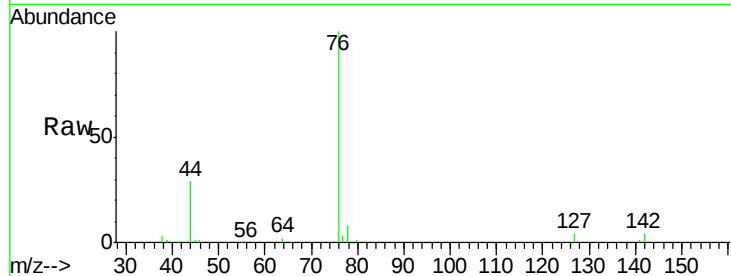
#17
Carbon Disulfide
Concen: 21.852 ug/l
RT: 3.30 min Scan# 231
Delta R.T. 0.02 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
76	100	209698		
78	7.9		6.5	9.7

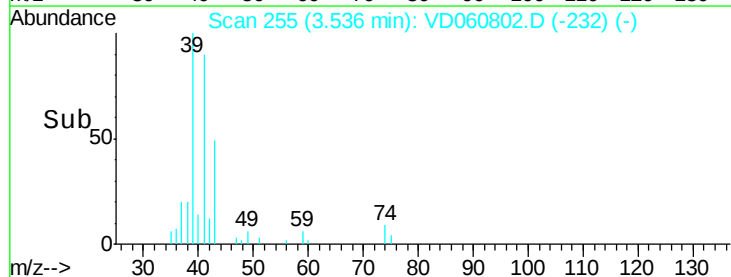
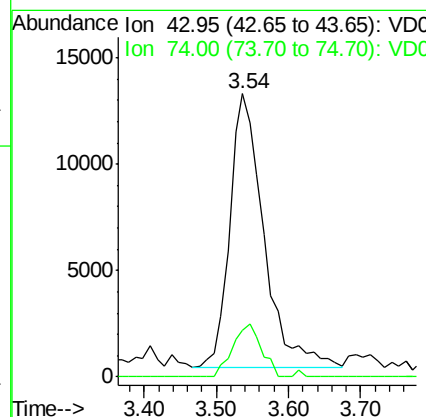
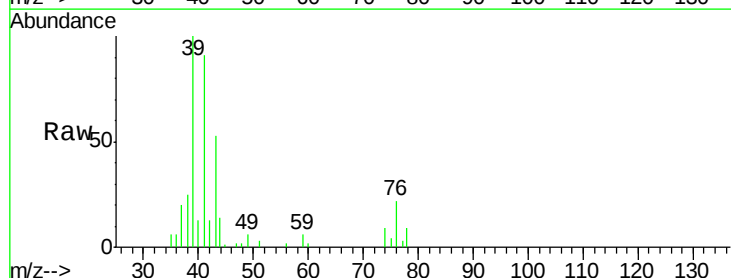
Manual Integrations
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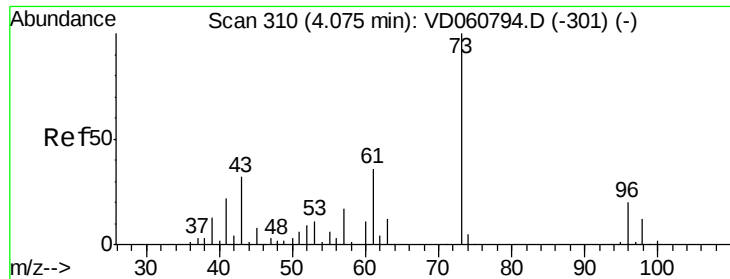
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#18
Methyl Acetate
Concen: 18.690 ug/l
RT: 3.54 min Scan# 255
Delta R.T. 0.02 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	42195		
74	16.5		12.5	18.7





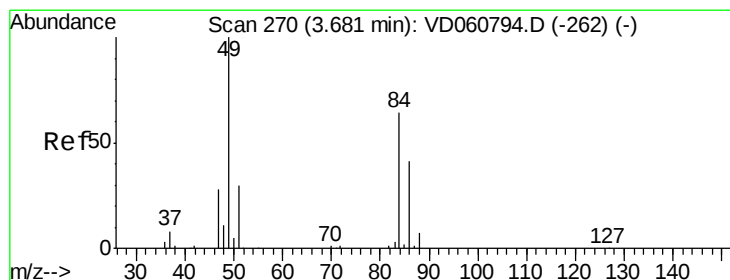
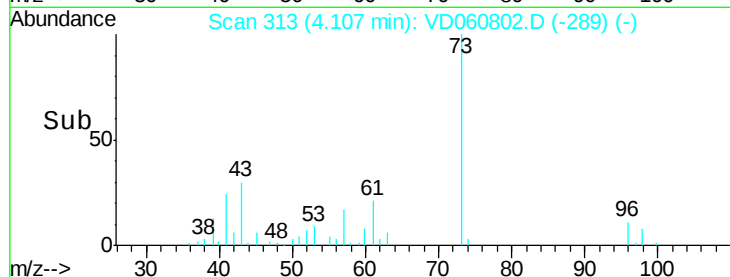
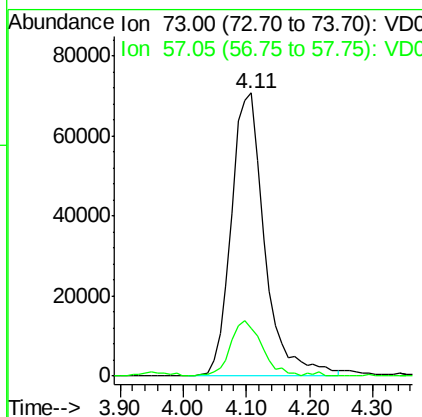
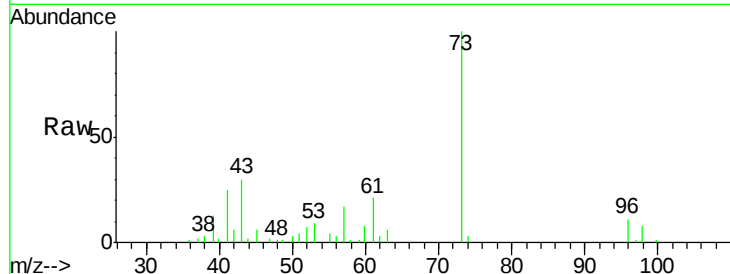
#19
Methyl tert-butyl Ether
Concen: 20.917 ug/l
RT: 4.11 min Scan# 313
Delta R.T. 0.03 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

Tot Ion: 73 Resp: 258710
Ion Ratio Lower Upper
73 100
57 16.8 14.0 21.0

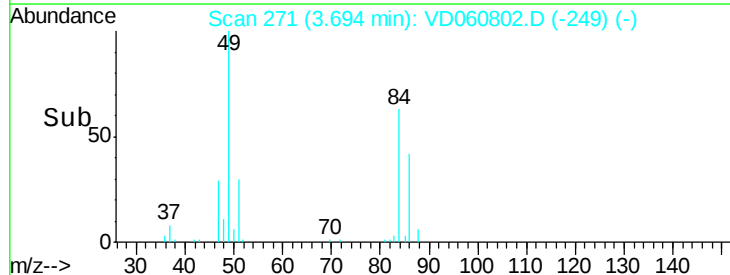
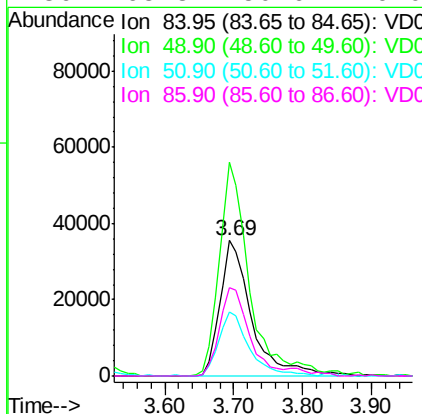
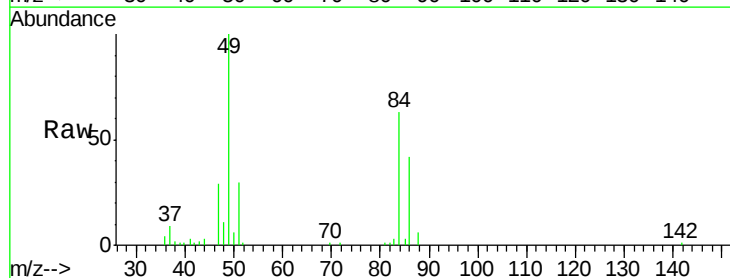
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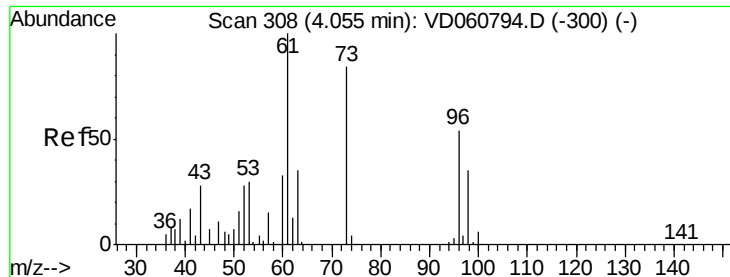
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#20
Methylene Chloride
Concen: 19.656 ug/l
RT: 3.69 min Scan# 271
Delta R.T. 0.01 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Tgt Ion: 84 Resp: 112612
Ion Ratio Lower Upper
84 100
49 157.9 124.2 186.2
51 47.4 38.1 57.1
86 65.8 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 21.935 ug/l

RT: 4.07 min Scan# 309

Delta R.T. 0.01 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

Tot Ion: 96 Resp: 104759

Ion Ratio Lower Upper

96 100

61 170.9 147.4 221.2

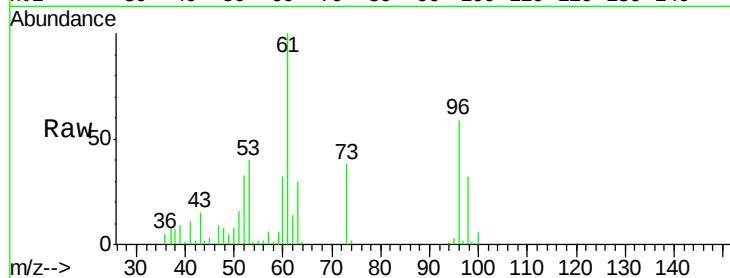
98 54.0 51.5 77.3

Manual Integrations

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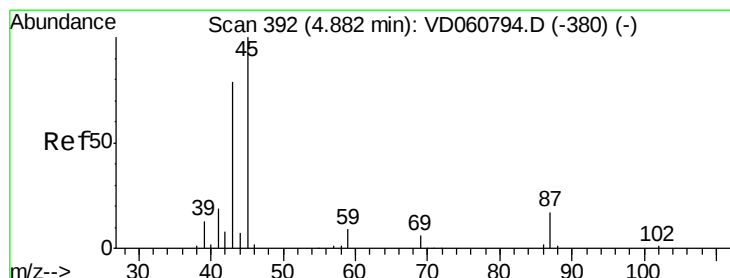
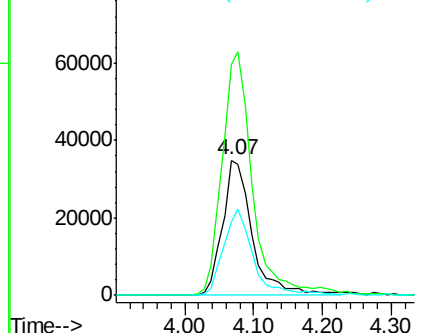
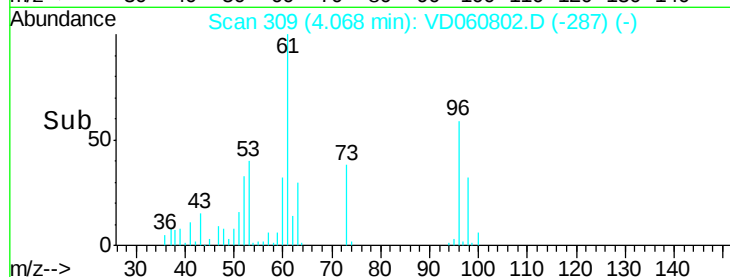
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Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 20.193 ug/l

RT: 4.91 min Scan# 395

Delta R.T. 0.03 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Tgt Ion: 45 Resp: 328065

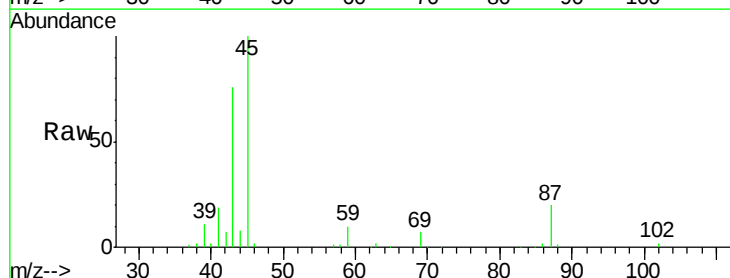
Ion Ratio Lower Upper

45 100

43 76.4 64.3 96.5

87 20.4 14.3 21.5

59 10.0 7.8 11.8

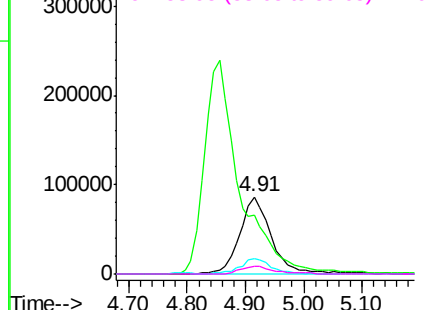
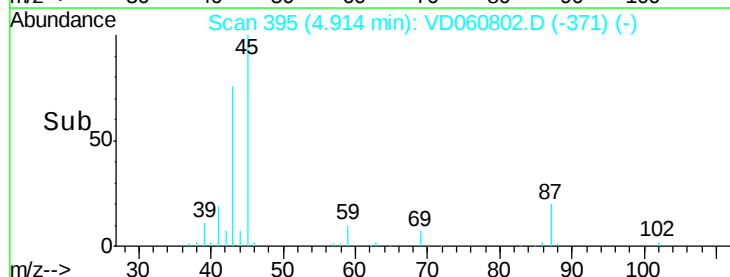


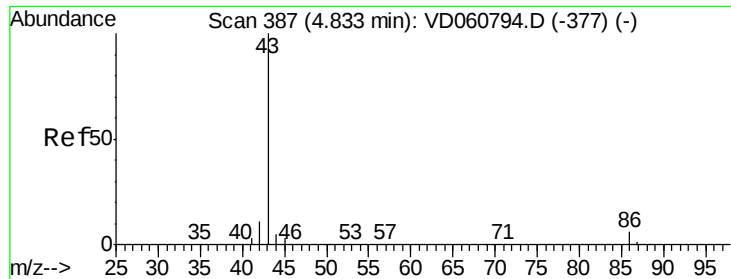
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 106.302 ug/l

RT: 4.86 min Scan# 389

Delta R.T. 0.02 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Instrument :

MSVOA_D

ClientSampleID :

VD0130SBS01

Tot Ion: 43 Resp: 994532

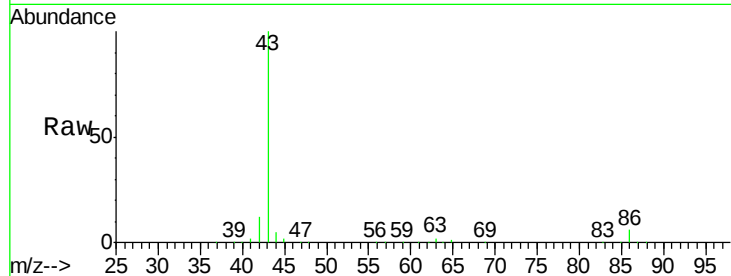
Ion Ratio Lower Upper

43 100

86 6.3 4.7 7.1

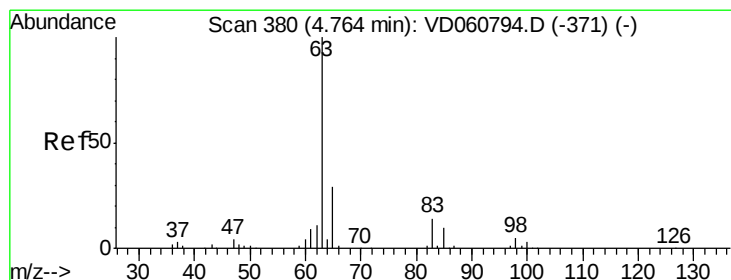
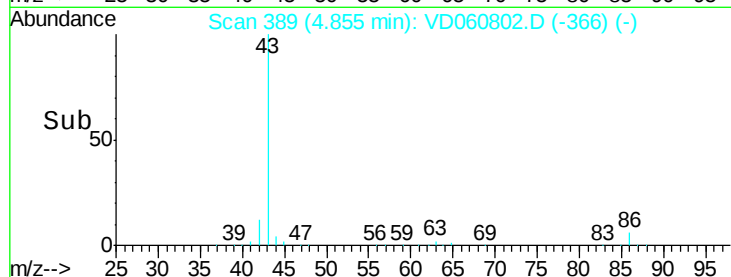
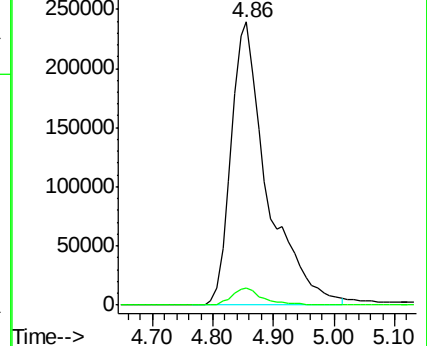
Manual Integrations
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.031 ug/l

RT: 4.79 min Scan# 382

Delta R.T. 0.02 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

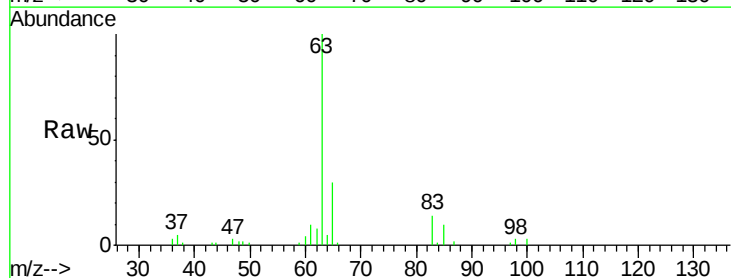
Tgt Ion: 63 Resp: 223680

Ion Ratio Lower Upper

63 100

98 3.5 2.3 6.9

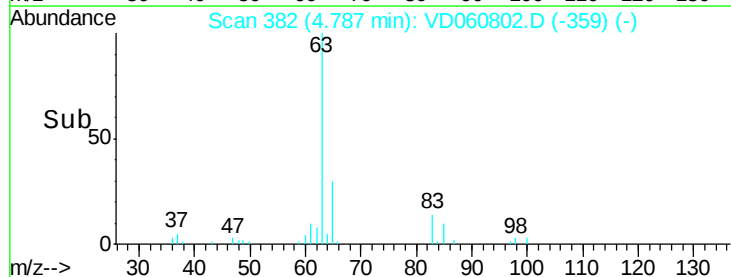
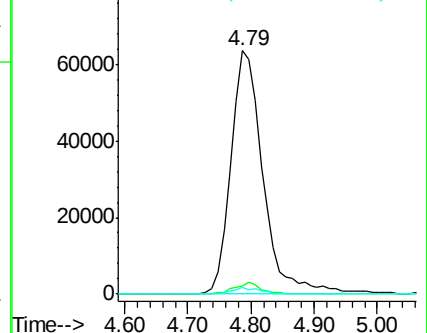
100 2.5 1.3 3.8

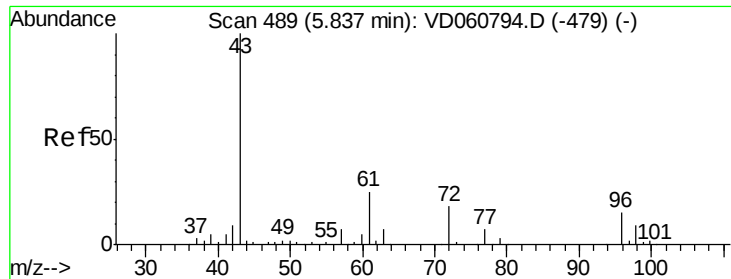


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 98.753 ug/l

RT: 5.86 min Scan# 491

Delta R.T. 0.02 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

Tot Ion: 43 Resp: 143946

Ion Ratio Lower Upper

43 100

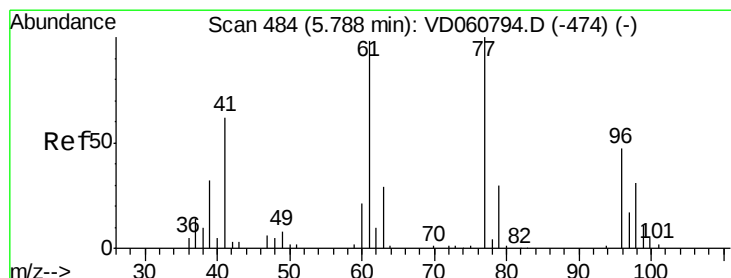
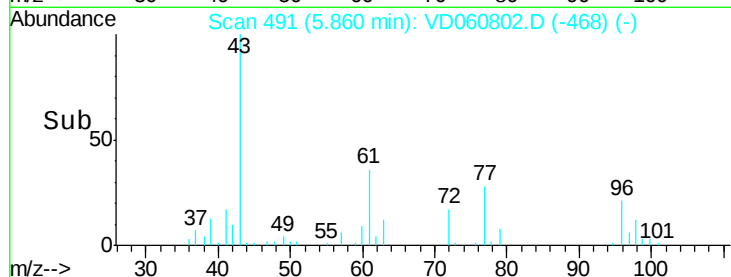
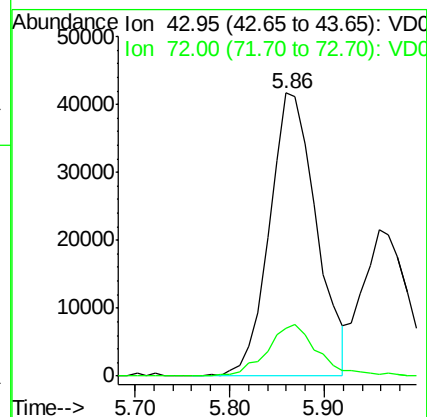
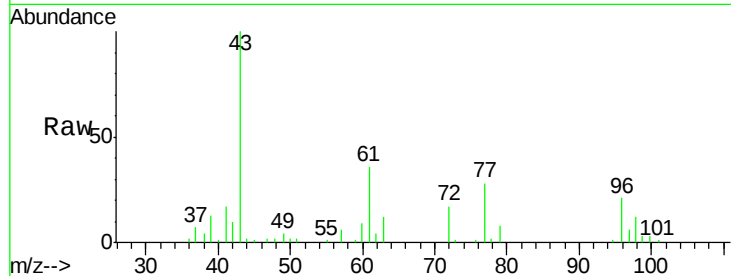
72 16.9 14.4 21.6

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#26

2,2-Dichloropropane

Concen: 21.275 ug/l

RT: 5.82 min Scan# 487

Delta R.T. 0.03 min

Lab File: VD060802.D

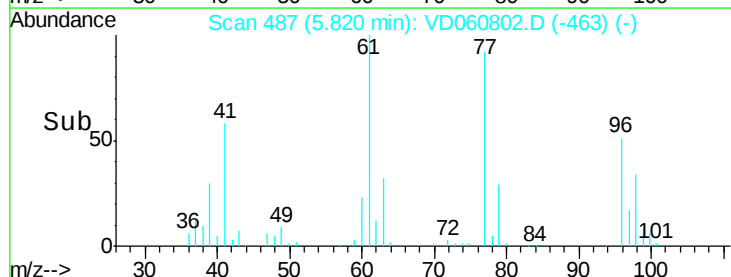
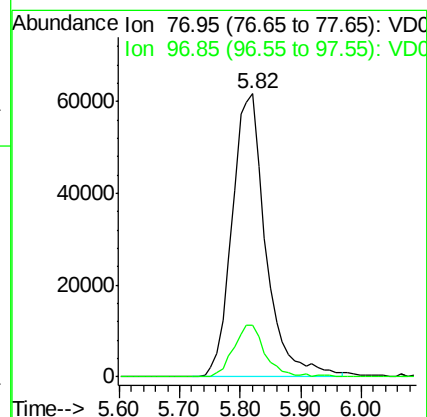
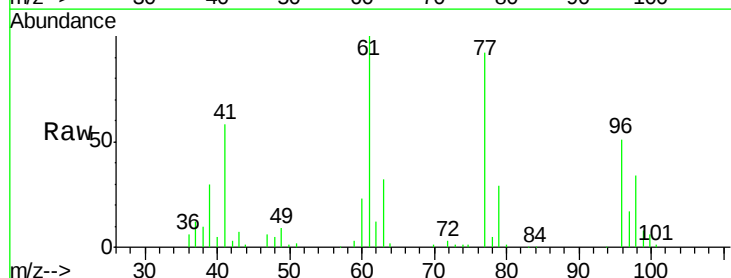
Acq: 30 Jan 2019 13:35

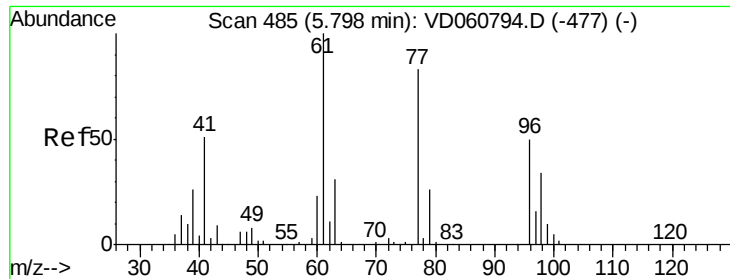
Tgt Ion: 77 Resp: 238413

Ion Ratio Lower Upper

77 100

97 18.2 8.3 24.9





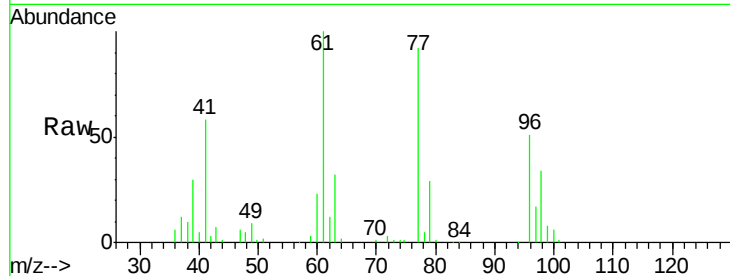
#27
 cis-1,2-Dichloroethene
 Concen: 19.637 ug/l
 RT: 5.82 min Scan# 487
 Delta R.T. 0.02 min
 Lab File: VD060802.D
 Acq: 30 Jan 2019 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

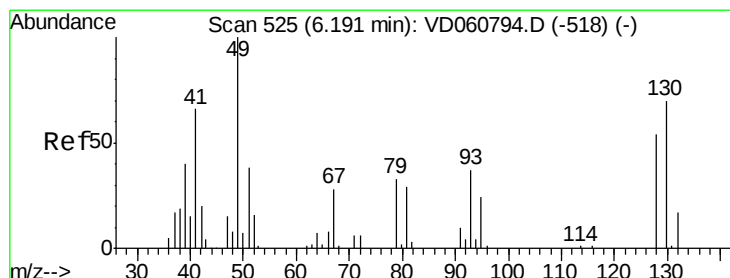
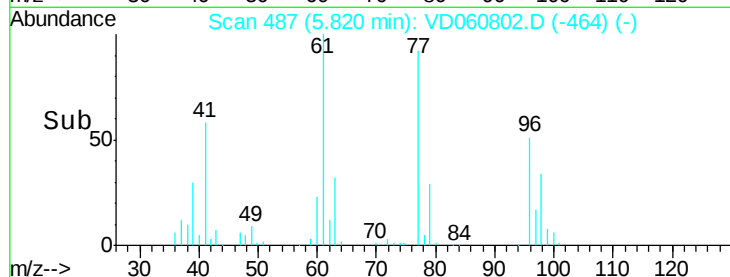
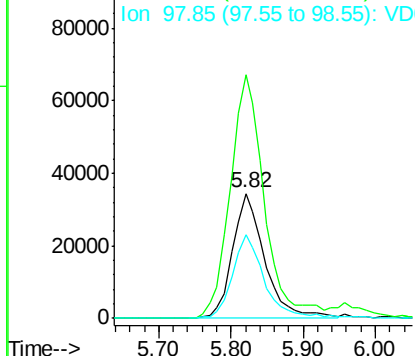
Tot Ion	Ratio	Resp	Lower	Upper
96	100	106810		
61	195.2	0.0	400.0	
98	67.0	0.0	136.4	

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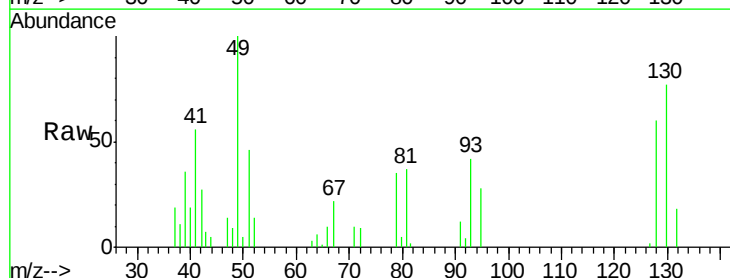


Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC

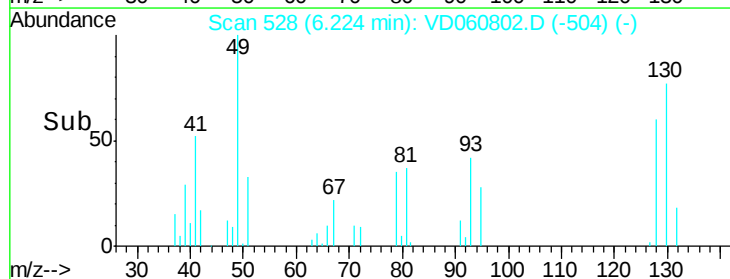
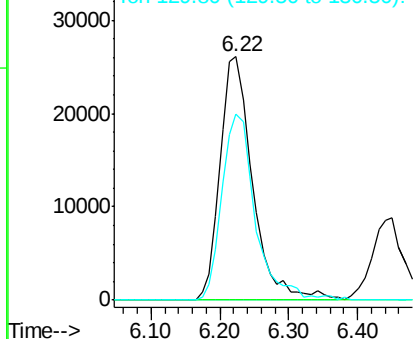


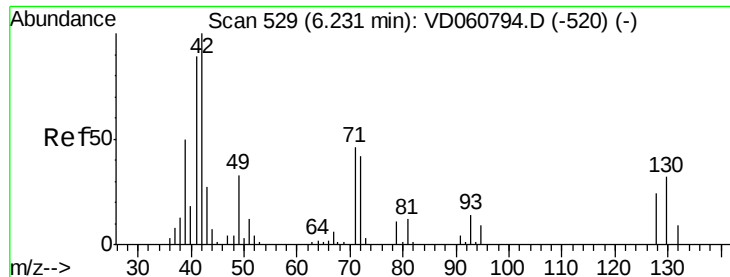
#28
 Bromochloromethane
 Concen: 20.636 ug/l
 RT: 6.22 min Scan# 528
 Delta R.T. 0.03 min
 Lab File: VD060802.D
 Acq: 30 Jan 2019 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	85619		
129	0.0	0.0	0.0	
130	76.6	56.1	84.1	



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





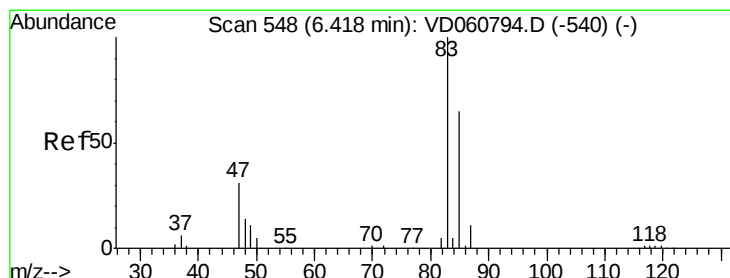
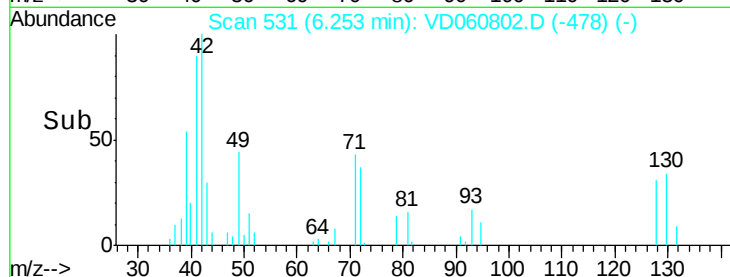
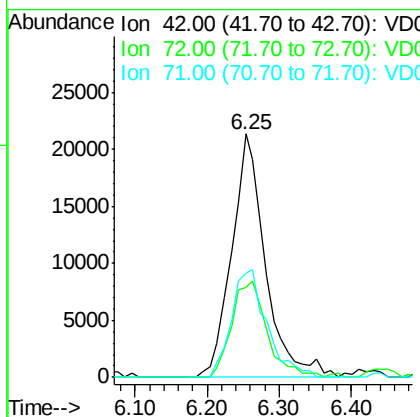
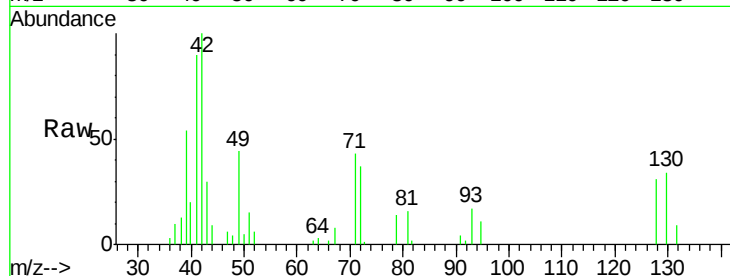
#29
Tetrahydrofuran
Concen: 99.219 ug/l
RT: 6.25 min Scan# 531
Delta R.T. 0.02 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	32.8	49.2
71	46.6	34.6	52.0

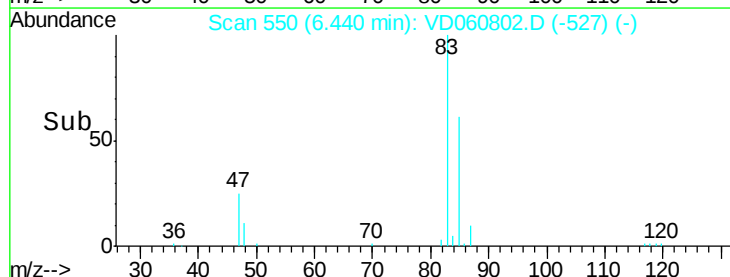
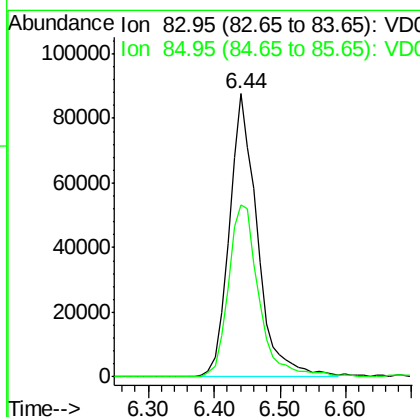
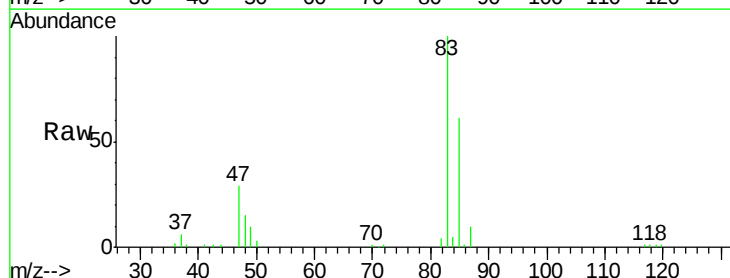
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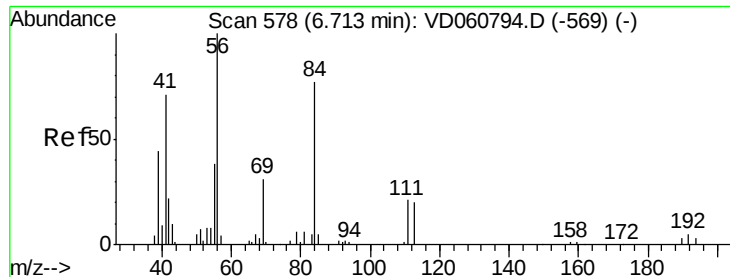
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#30
Chloroform
Concen: 20.839 ug/l
RT: 6.44 min Scan# 550
Delta R.T. 0.02 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.8	52.3	78.5





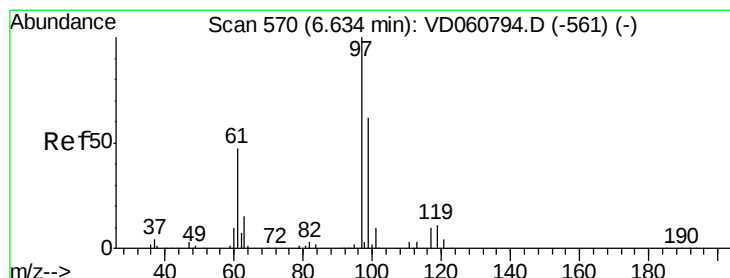
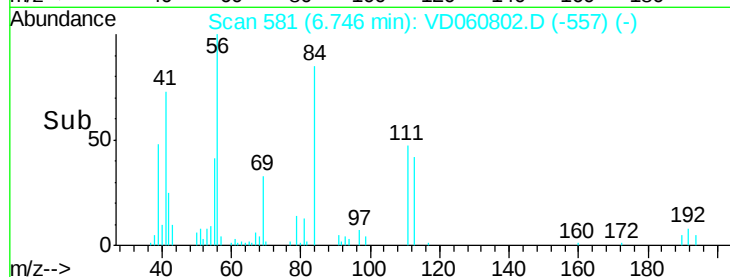
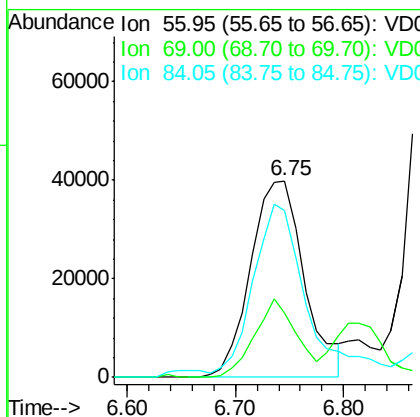
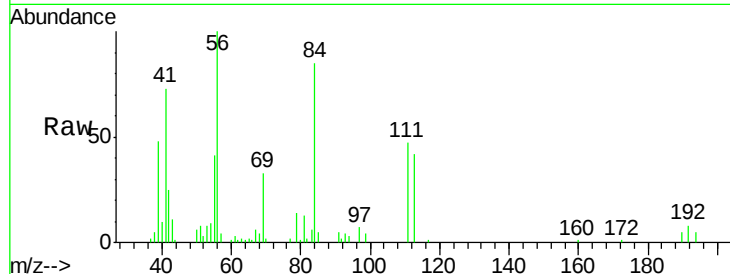
#31
Cyclohexane
Concen: 19.046 ug/l
RT: 6.75 min Scan# 581
Delta R.T. 0.03 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.1	25.1	37.7
84	85.0	63.9	95.9

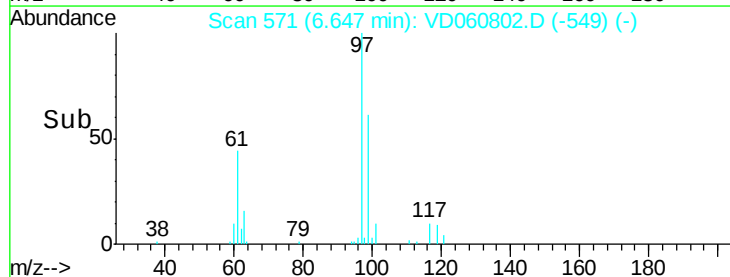
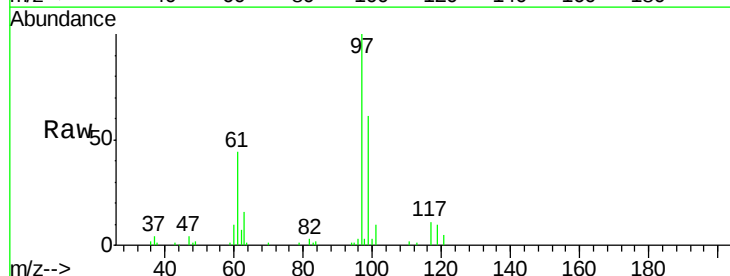
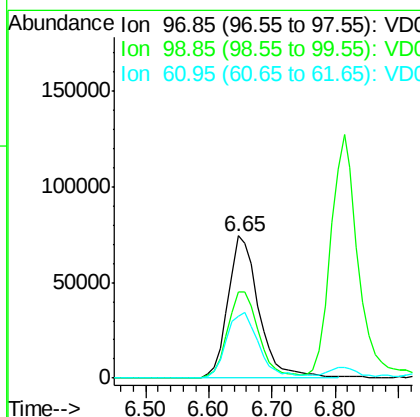
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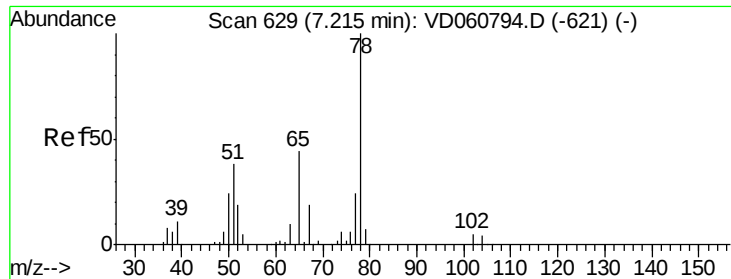
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#32
1,1,1-Trichloroethane
Concen: 20.745 ug/l
RT: 6.65 min Scan# 571
Delta R.T. 0.01 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.0	49.6	74.4
61	44.0	37.4	56.2





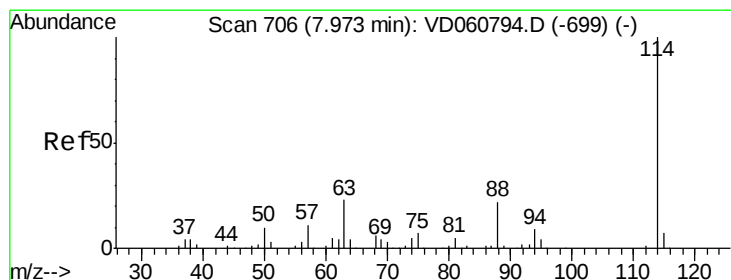
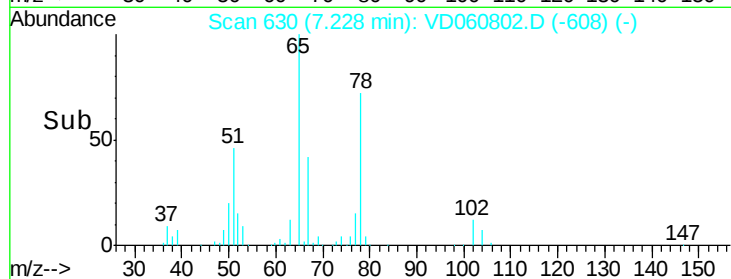
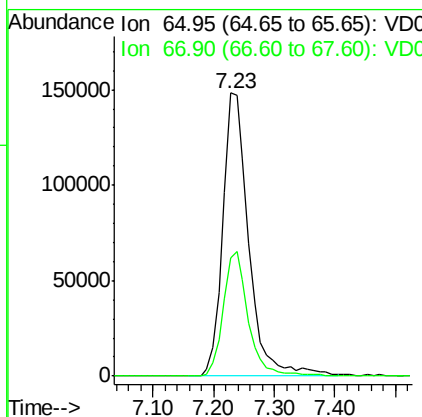
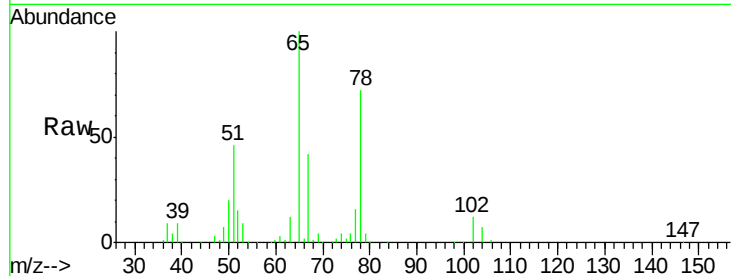
#33
 1,2-Dichloroethane-d4
 Concen: 20.745 ug/l
 RT: 7.23 min Scan# 630
 Delta R.T. 0.01 min
 Lab File: VD060802.D
 Acq: 30 Jan 2019 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	41.7	0.0	85.8

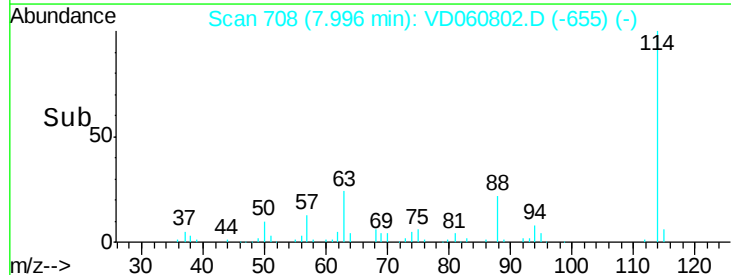
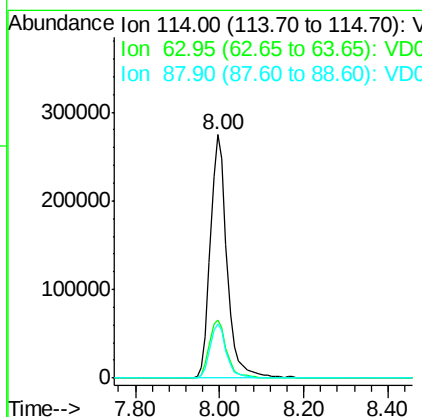
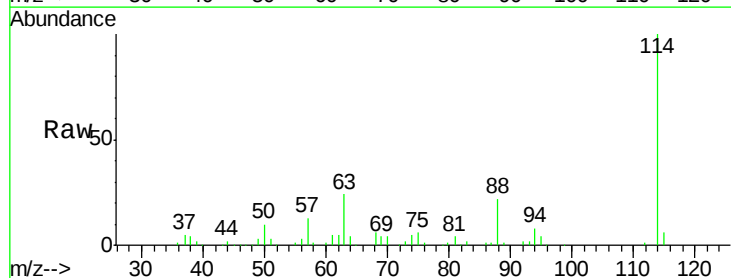
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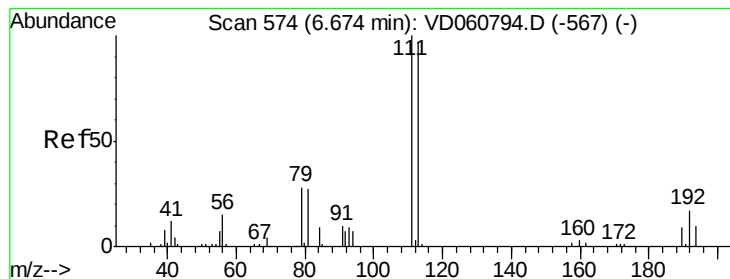
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.00 min Scan# 708
 Delta R.T. 0.02 min
 Lab File: VD060802.D
 Acq: 30 Jan 2019 13:35

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.8	0.0	46.6
88	22.4	0.0	44.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.70 min Scan# 576

Delta R.T. 0.02 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Instrument :

MSVOA_D

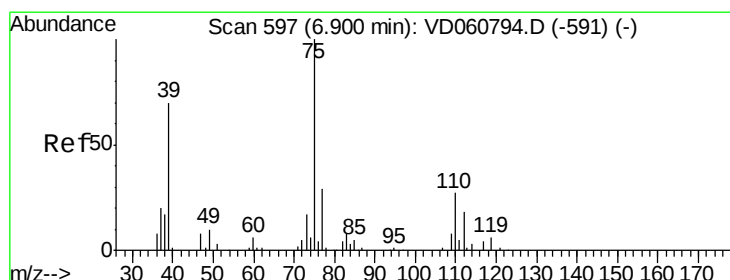
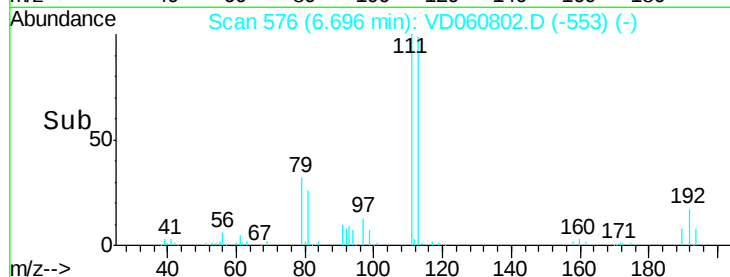
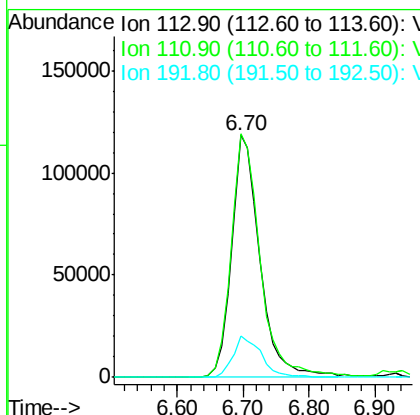
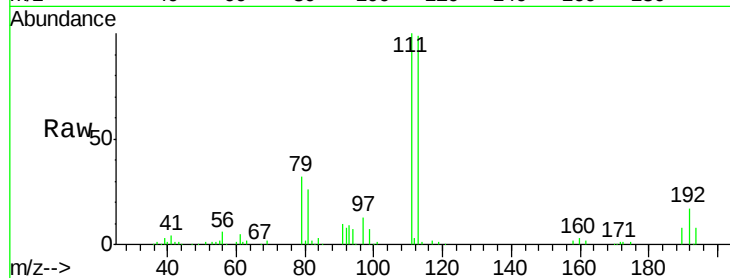
ClientSampleId :

VD0130SBS01

Tot Ion:	113	Resp:	357311
Ion	Ratio	Lower	Upper
113	100		
111	100.6	82.3	123.5
192	16.9	14.4	21.6

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#36

1,1-Dichloropropene

Concen: 19.316 ug/l

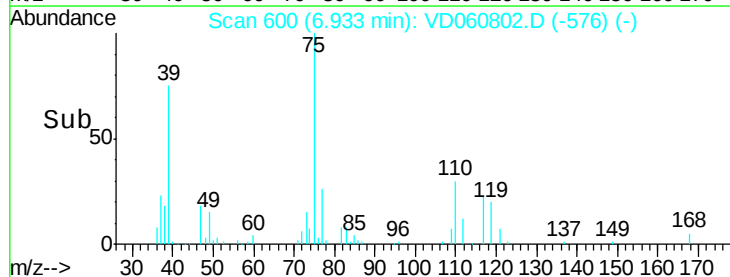
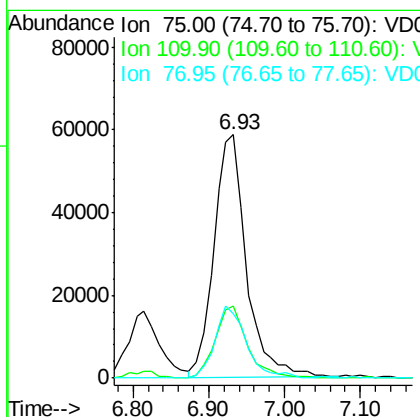
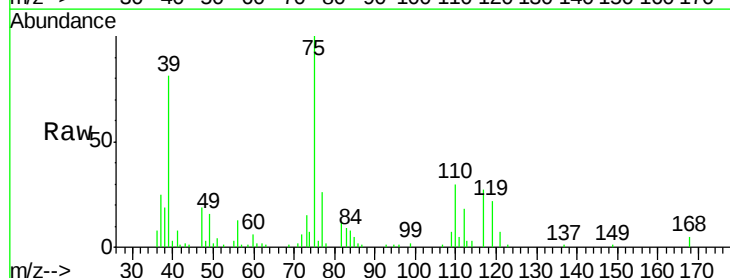
RT: 6.93 min Scan# 600

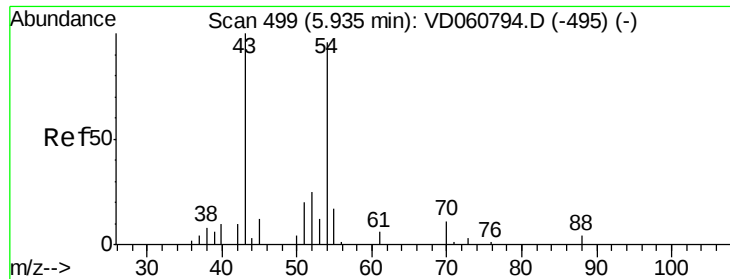
Delta R.T. 0.03 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Tgt Ion:	75	Resp:	174696
Ion	Ratio	Lower	Upper
75	100		
110	29.7	13.5	40.4
77	26.4	23.4	35.2





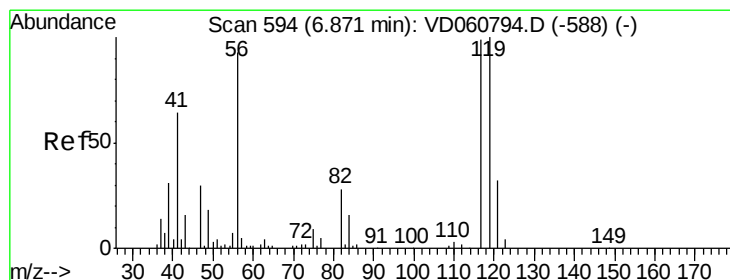
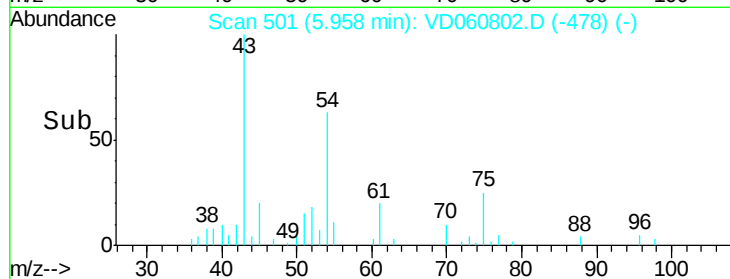
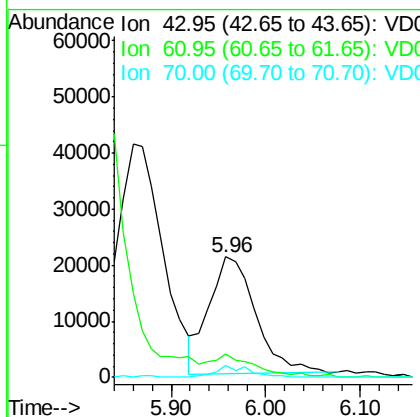
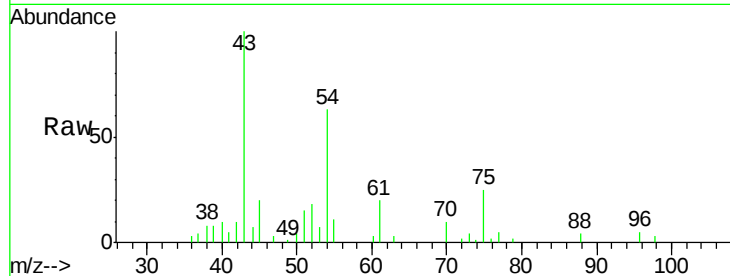
#37
Ethyl Acetate
Concen: 17.691 ug/l
RT: 5.96 min Scan# 501
Delta R.T. 0.02 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.9	12.3	18.5#
70	9.8	7.4	11.0

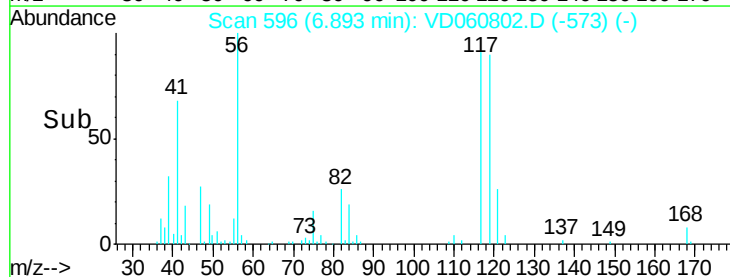
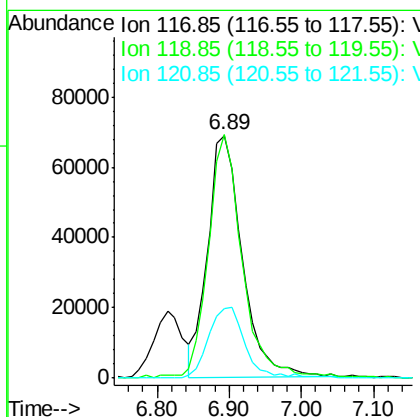
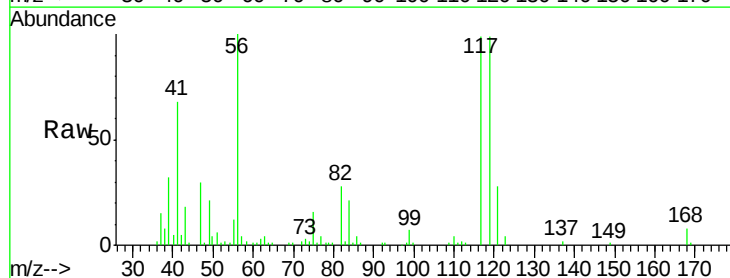
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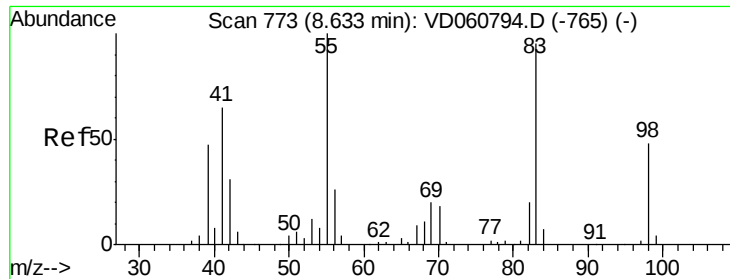
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#38
Carbon Tetrachloride
Concen: 20.033 ug/l
RT: 6.89 min Scan# 596
Delta R.T. 0.02 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.4	75.6	113.4
121	28.8	23.4	35.2





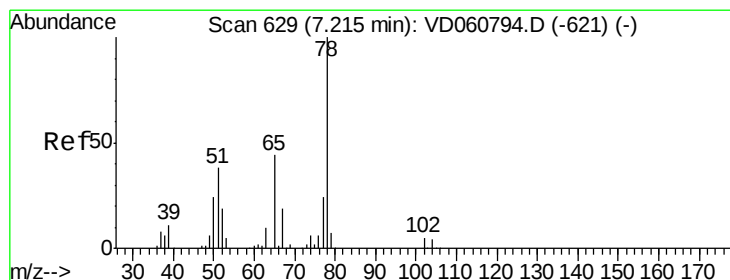
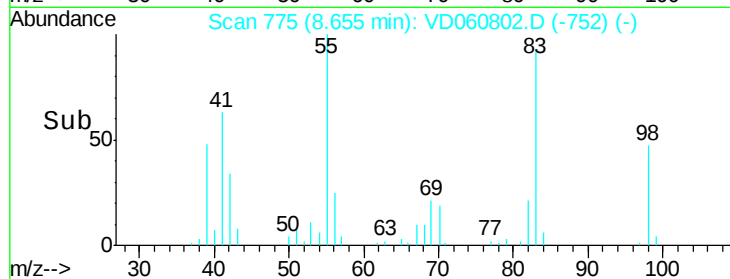
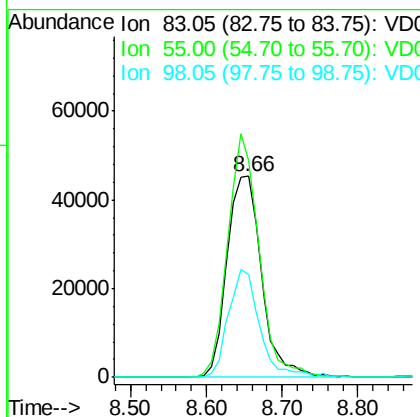
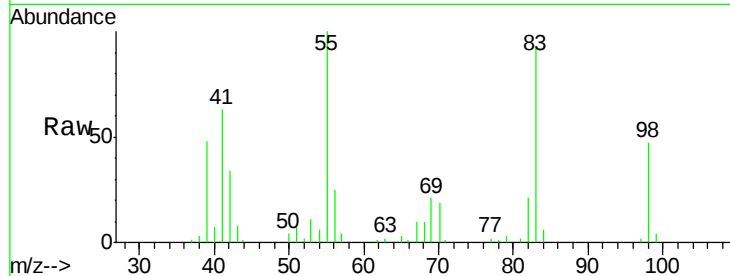
#39
Methvlcvclohexane
Concen: 18.932 ug/l
RT: 8.66 min Scan# 775
Delta R.T. 0.02 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

Tot Ion	83	Resp	143389
Ion Ratio	Lower	Upper	
83	100		
55	108.0	83.8	125.8
98	51.2	39.8	59.8

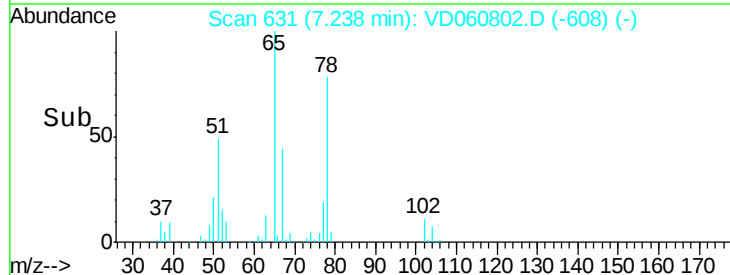
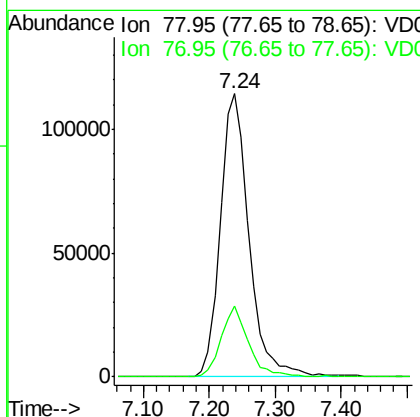
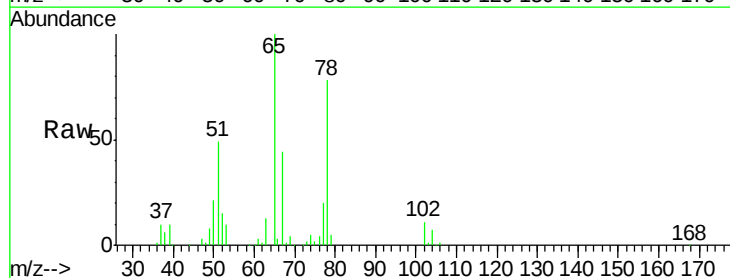
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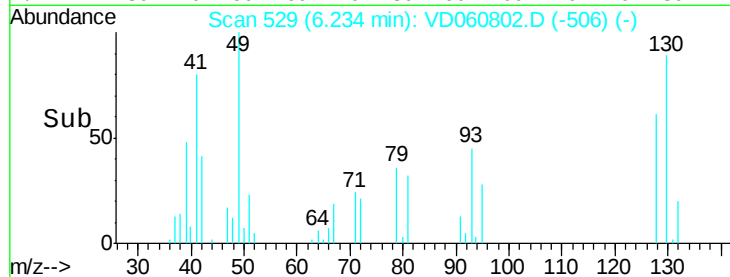
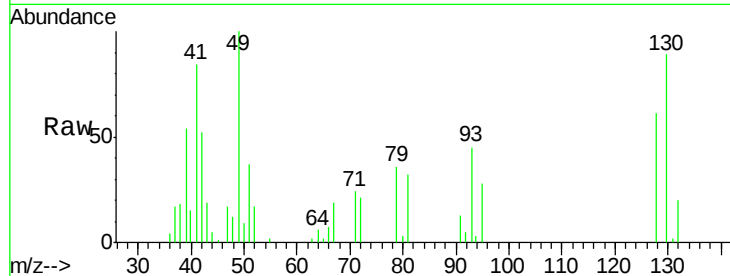
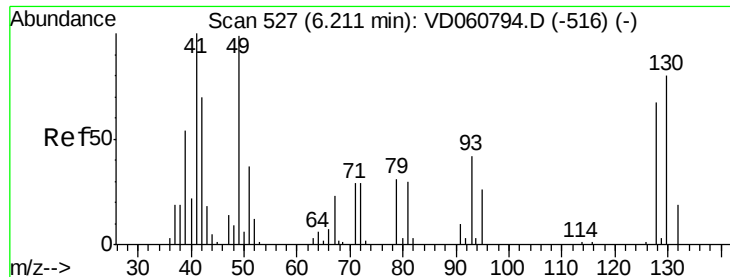
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#40
Benzene
Concen: 19.477 ug/l
RT: 7.24 min Scan# 631
Delta R.T. 0.02 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Tgt Ion	78	Resp	347660
Ion Ratio	Lower	Upper	
78	100		
77	25.2	18.9	28.3





#41

Methacrylonitrile

Concen: 15.366 ug/l m

RT: 6.23 min Scan# 529

Delta R.T. 0.02 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.1	43.6	65.4
67	23.1	18.5	27.7
52	19.8	10.2	15.2#

Instrument :

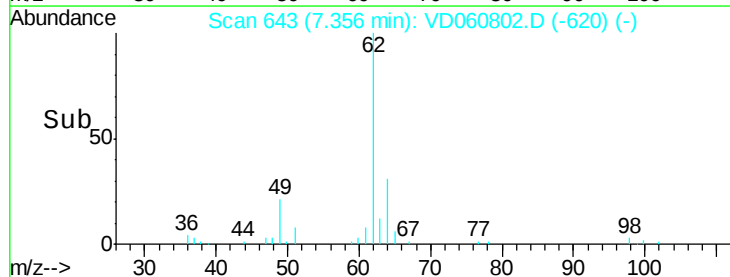
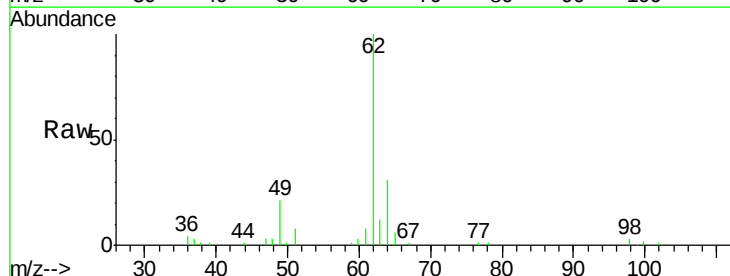
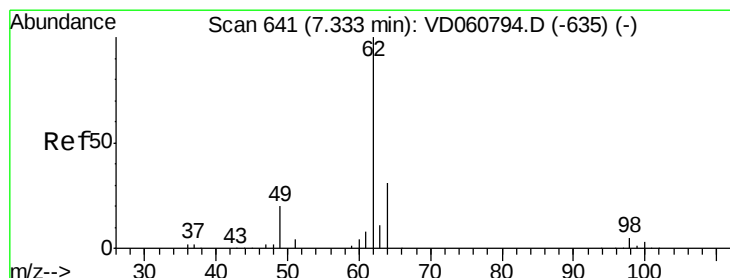
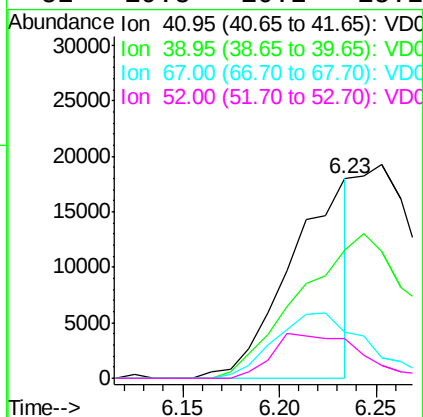
MSVOA_D

ClientSampleId :

VD0130SBS01

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#42

1,2-Dichloroethane

Concen: 18.730 ug/l

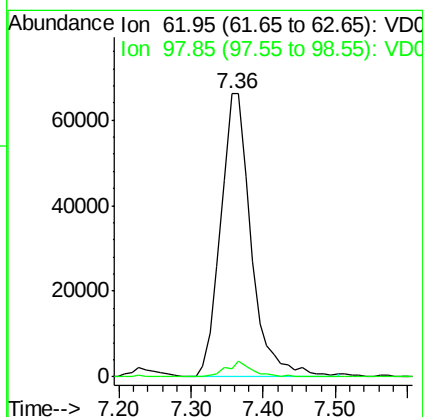
RT: 7.36 min Scan# 643

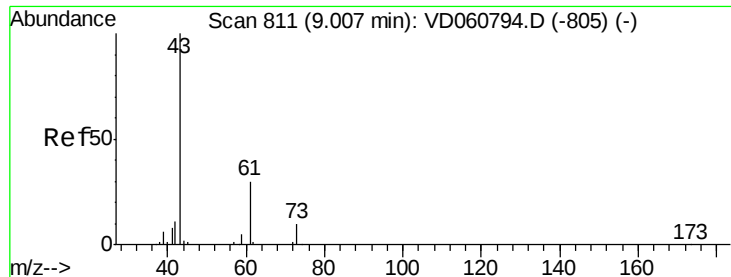
Delta R.T. 0.02 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Tgt Ion	Ratio	Lower	Upper
62	100		
98	2.9	0.0	10.2





#43

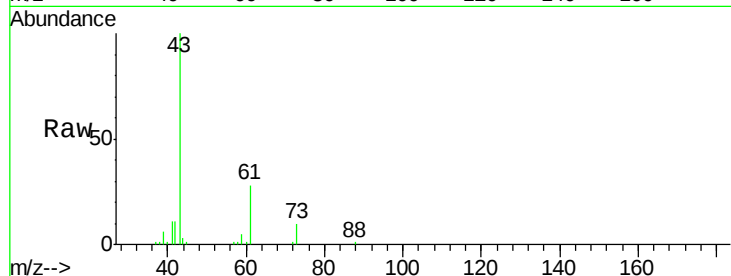
Isopropyl Acetate
 Concen: 17.690 ug/l
 RT: 9.02 min Scan# 812
 Delta R.T. 0.01 min
 Lab File: VD060802.D
 Acq: 30 Jan 2019 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

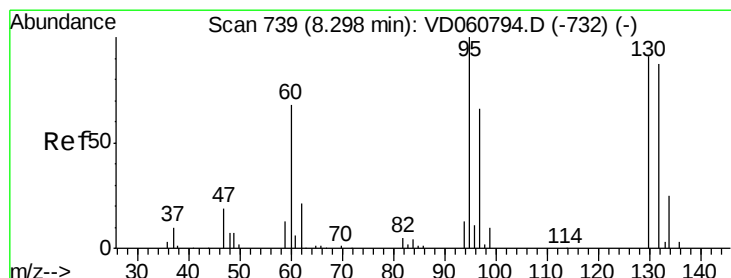
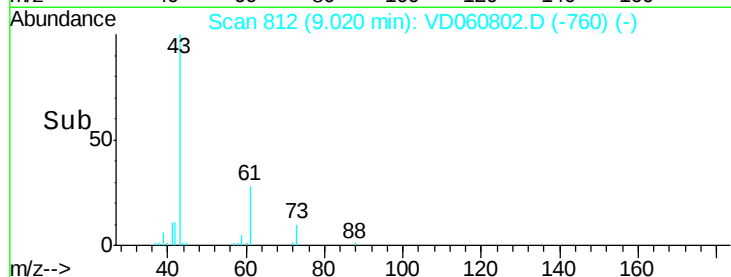
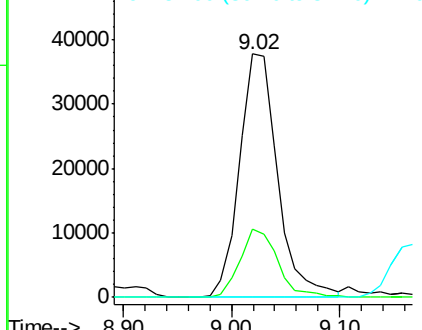
Tot Ion	Ratio	Lower	Upper
43	100		
61	27.8	24.1	36.1
87	0.0	0.0	0.0

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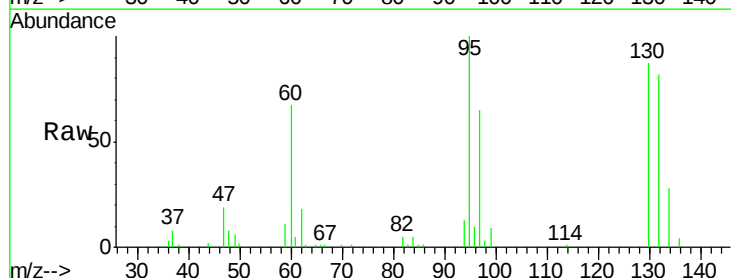
Abundance Ion 42.95 (42.65 to 43.65): VD060794.D (-805) (-)



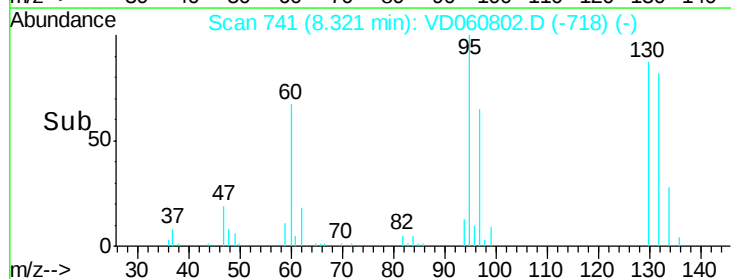
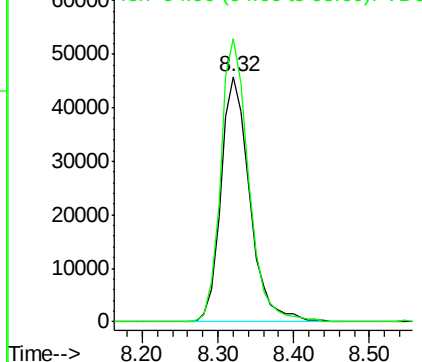
#44

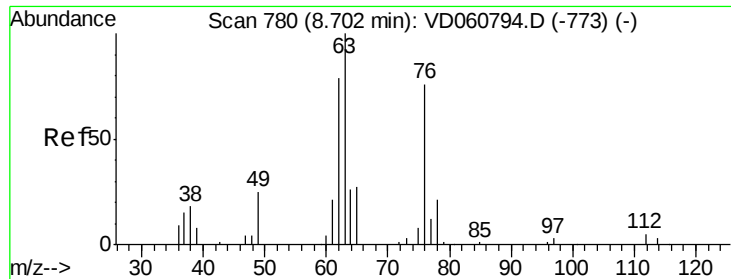
Trichloroethene
 Concen: 20.025 ug/l
 RT: 8.32 min Scan# 741
 Delta R.T. 0.02 min
 Lab File: VD060802.D
 Acq: 30 Jan 2019 13:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	115.3	0.0	221.0



Abundance Ion 129.80 (129.50 to 130.50): VD060794.D (-732) (-)





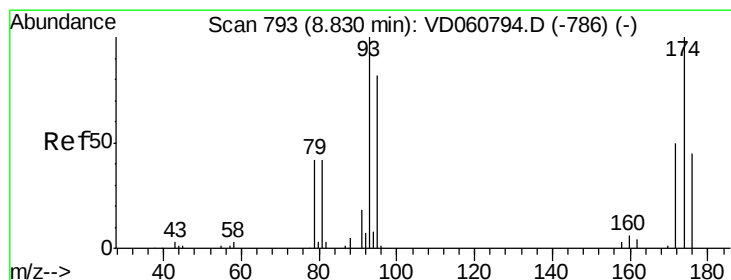
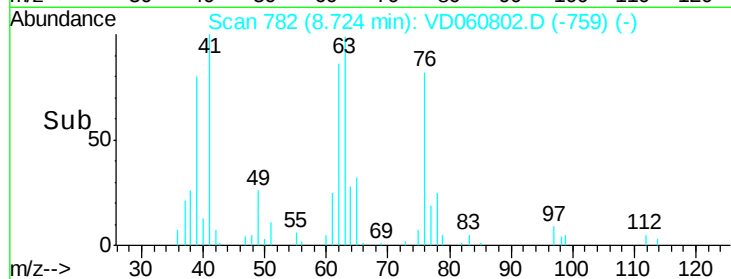
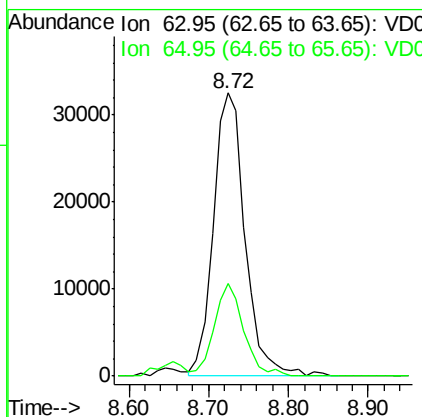
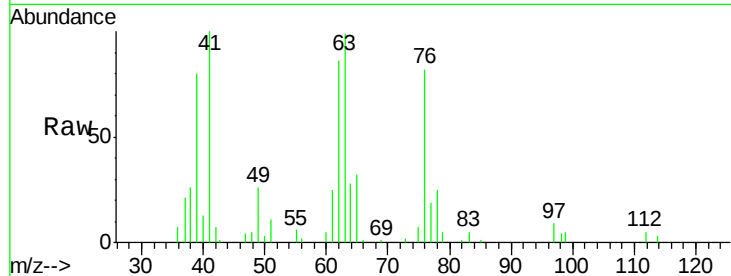
#45
 1,2-Dichloropropane
 Concen: 18.782 ug/l
 RT: 8.72 min Scan# 782
 Delta R.T. 0.02 min
 Lab File: VD060802.D
 Acq: 30 Jan 2019 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBSD01

Tot Ion: 63 Resp: 90753
 Ion Ratio Lower Upper
 63 100
 65 32.6 24.1 36.1

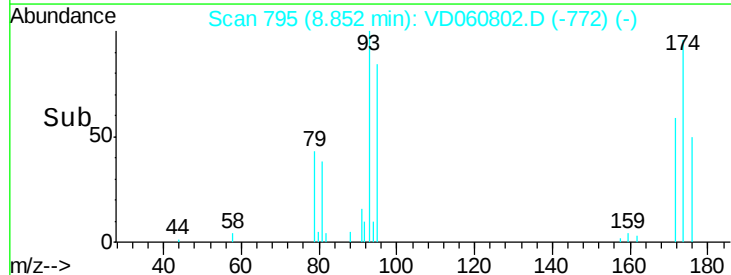
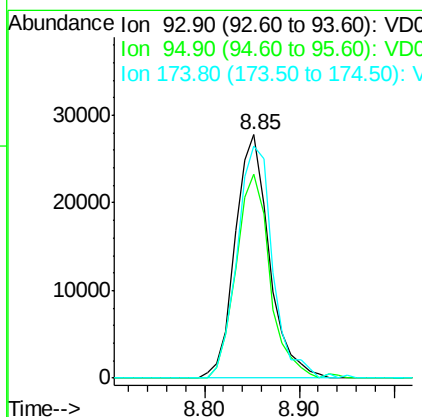
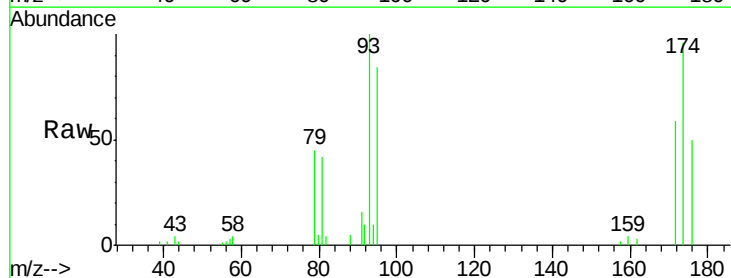
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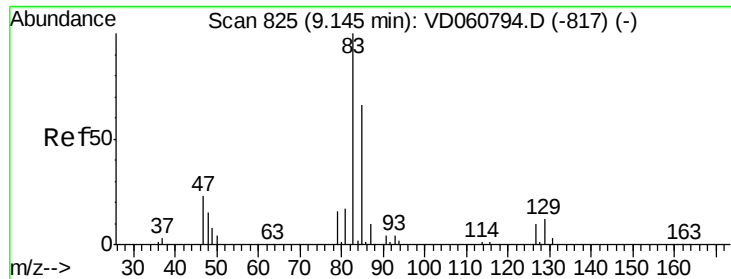
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#46
 Dibromomethane
 Concen: 18.508 ug/l
 RT: 8.85 min Scan# 795
 Delta R.T. 0.02 min
 Lab File: VD060802.D
 Acq: 30 Jan 2019 13:35

Tgt Ion: 93 Resp: 69422
 Ion Ratio Lower Upper
 93 100
 95 84.0 65.8 98.8
 174 95.6 79.8 119.6





#47

Bromodichloromethane

Concen: 19.083 ug/l

RT: 9.16 min Scan# 826

Delta R.T. 0.01 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Instrument :

MSVOA_D

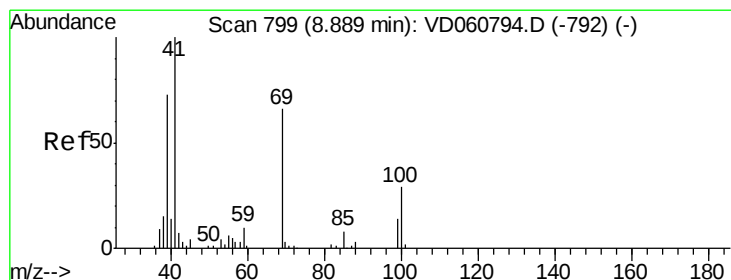
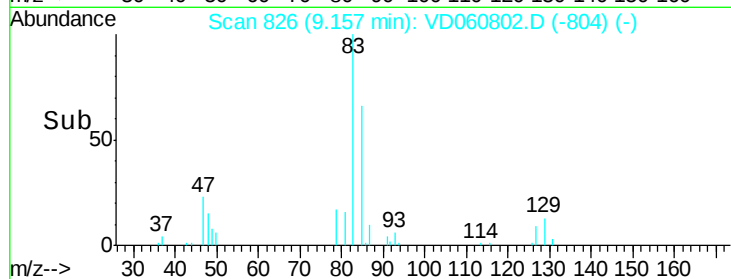
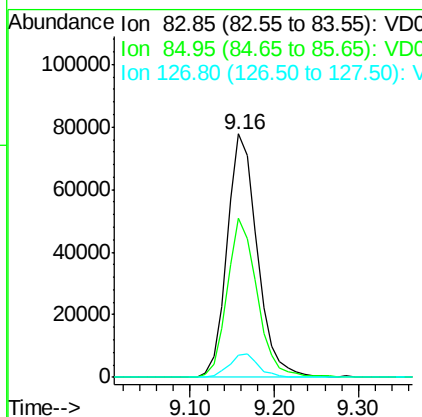
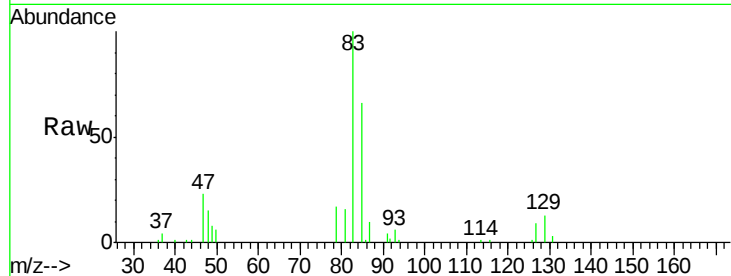
ClientSampleId :

VD0130SBS01

Tot Ion:	83	Resp:	193205
Ion Ratio	Lower	Upper	
83	100		
85	65.5	52.6	79.0
127	9.1	7.7	11.5

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#48

Methyl methacrylate

Concen: 18.340 ug/l

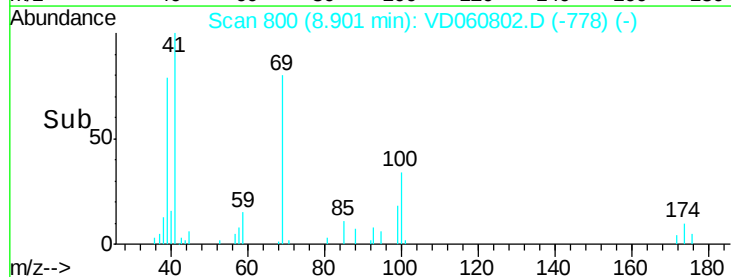
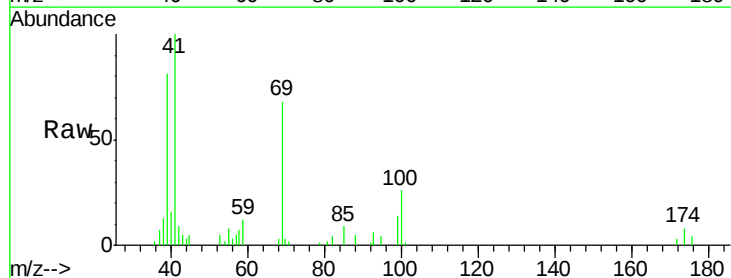
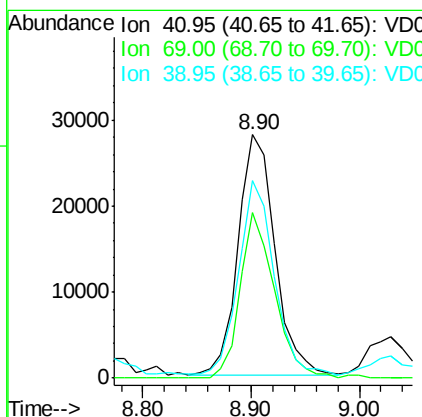
RT: 8.90 min Scan# 800

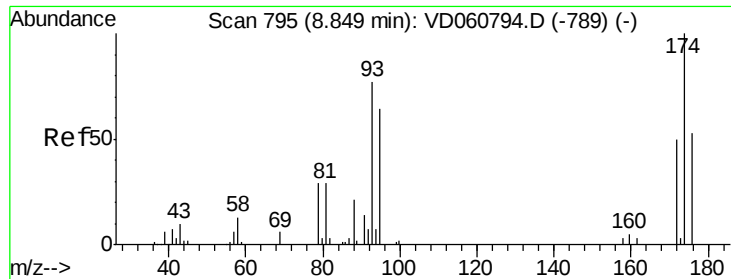
Delta R.T. 0.01 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Tgt Ion:	41	Resp:	66592
Ion Ratio	Lower	Upper	
41	100		
69	68.0	52.5	78.7
39	81.3	59.0	88.6





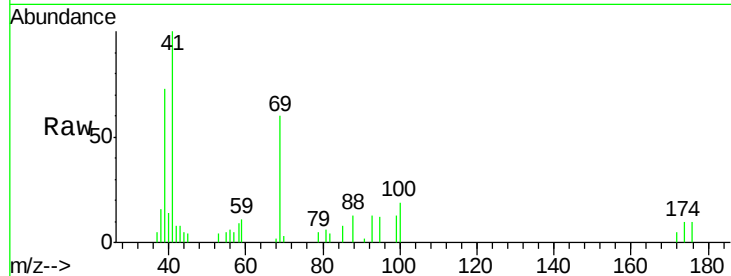
#49
1,4-Dioxane
Concen: 403.714 ug/l
RT: 8.89 min Scan# 799
Delta R.T. 0.04 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBSD01

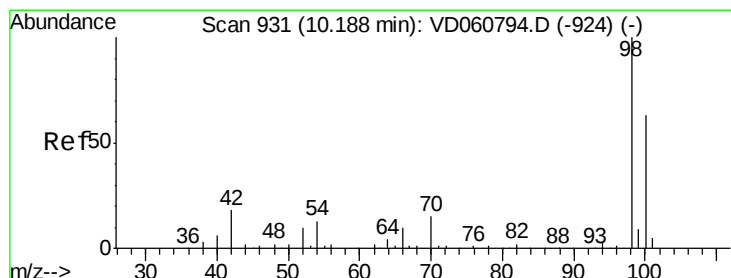
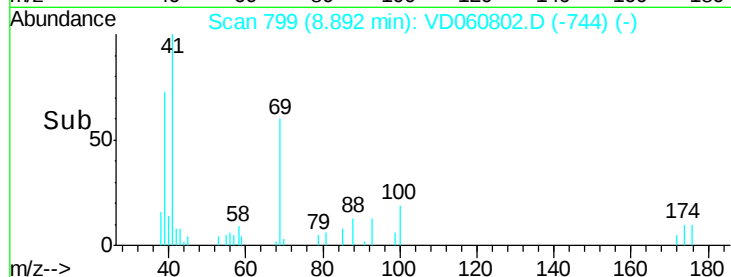
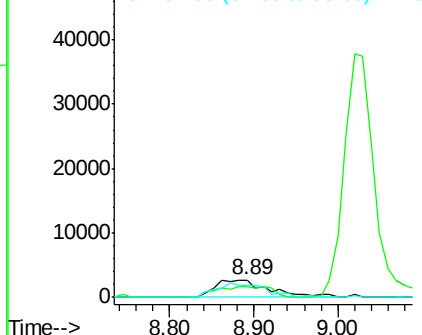
Tot Ion	Ratio	Lower	Upper
88	100		
43	61.5	40.9	61.3#
58	68.6	52.2	78.4

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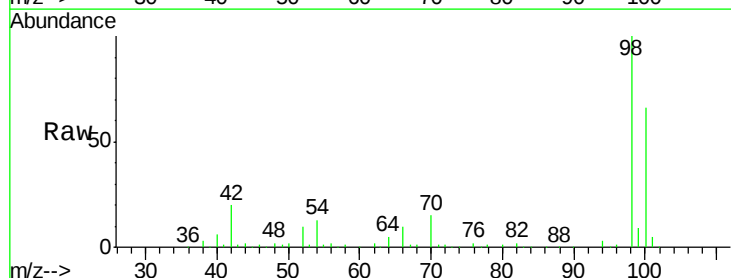


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

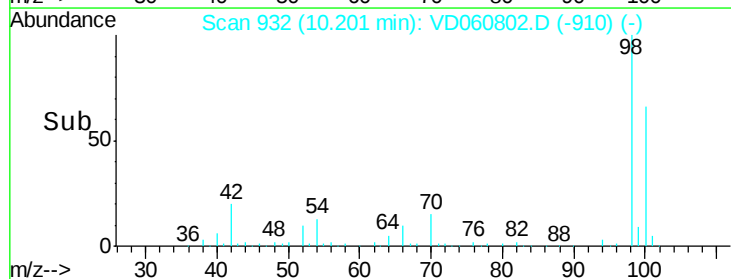
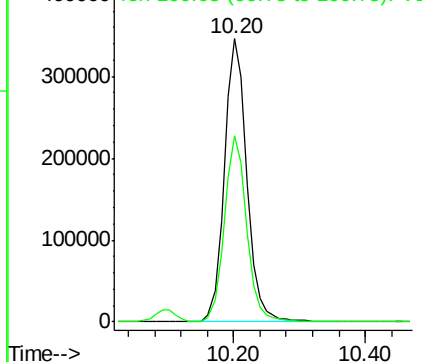


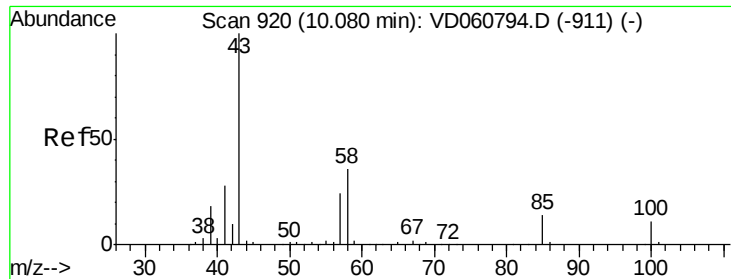
#50
Toluene-d8
Concen: 403.714 ug/l
RT: 10.20 min Scan# 932
Delta R.T. 0.01 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	51.0	76.6



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 98.174 ug/l

RT: 10.09 min Scan# 921

Delta R.T. 0.01 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

Tot Ion: 43 Resp: 334764

Ion Ratio Lower Upper

43 100

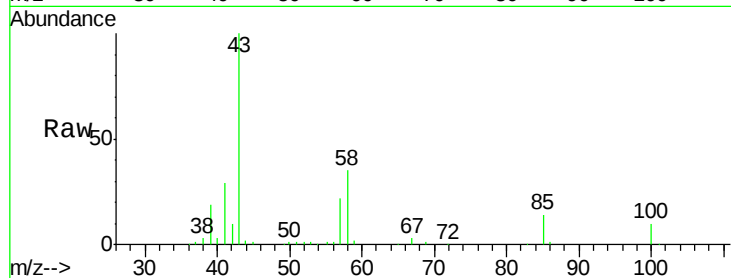
58 35.4 28.4 42.6

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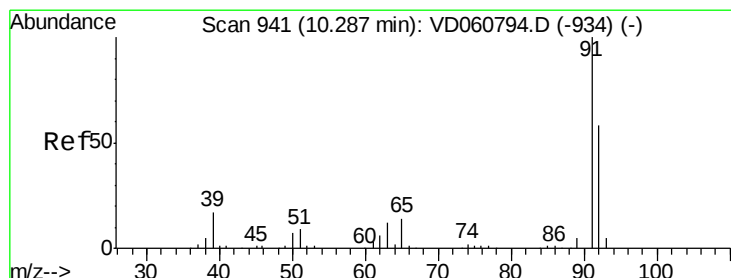
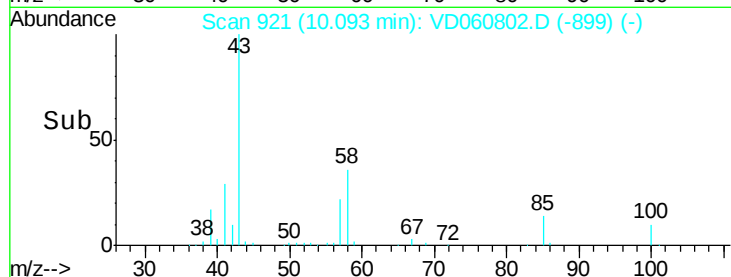
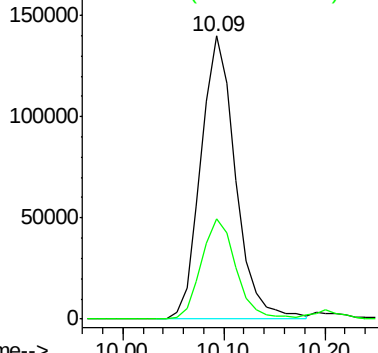
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.039 ug/l

RT: 10.30 min Scan# 942

Delta R.T. 0.01 min

Lab File: VD060802.D

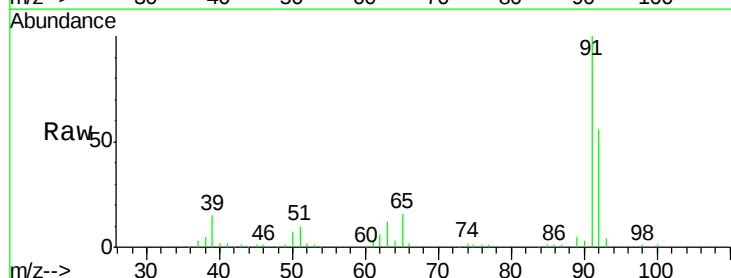
Acq: 30 Jan 2019 13:35

Tgt Ion: 92 Resp: 226888

Ion Ratio Lower Upper

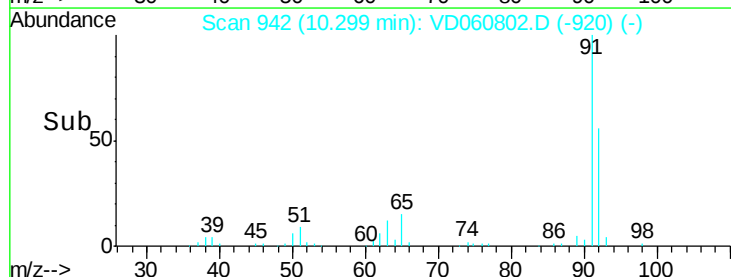
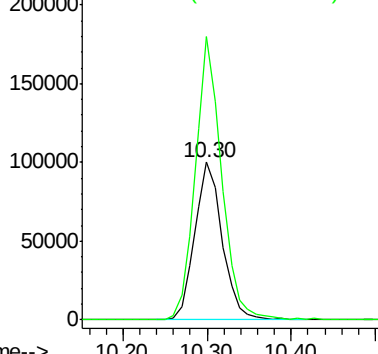
92 100

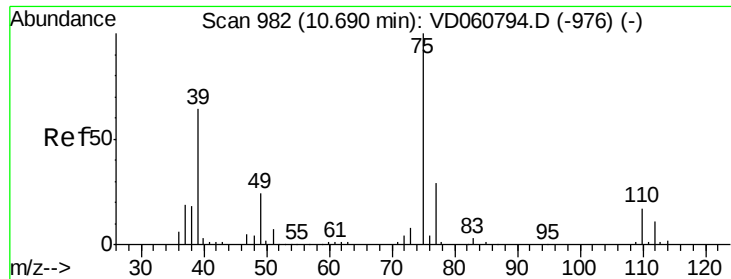
91 179.6 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





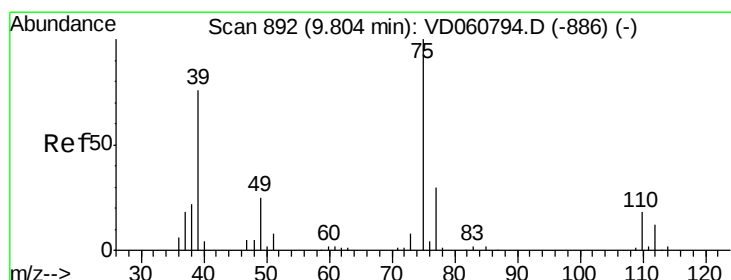
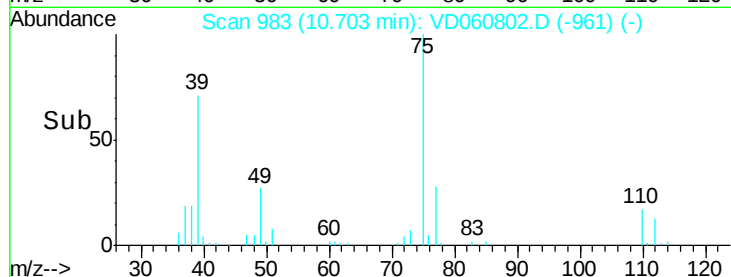
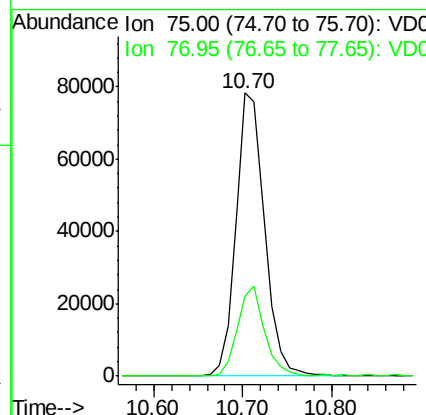
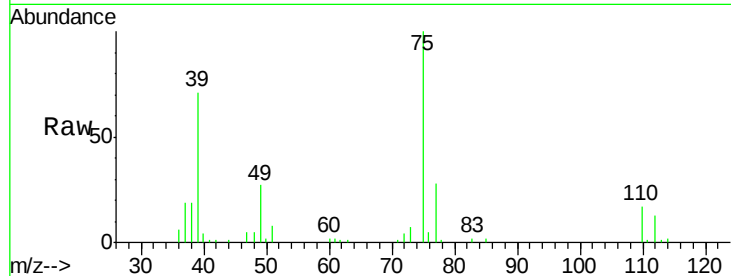
#53
t-1,3-Dichloropropene
Concen: 19.766 ug/l
RT: 10.70 min Scan# 983
Delta R.T. 0.01 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBSD01

Tot Ion: 75 Resp: 176032
Ion Ratio Lower Upper
75 100
77 28.2 23.0 34.6

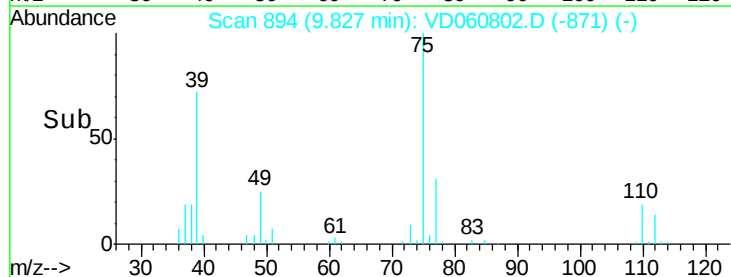
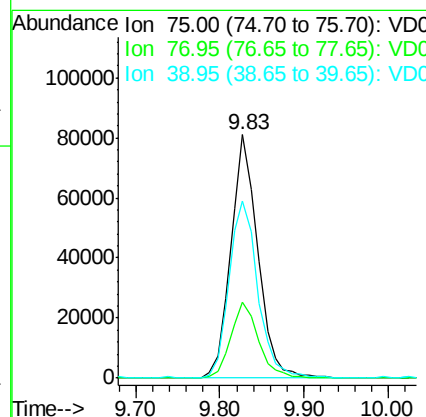
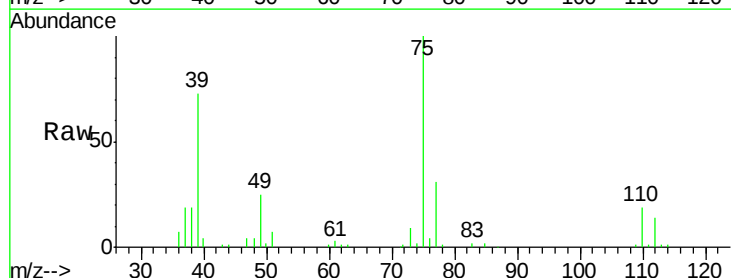
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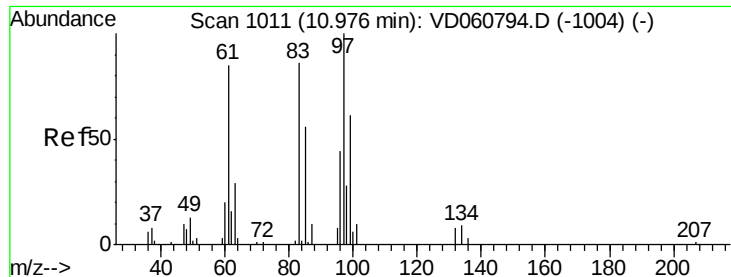
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#54
cis-1,3-Dichloropropene
Concen: 19.683 ug/l
RT: 9.83 min Scan# 894
Delta R.T. 0.02 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Tgt Ion: 75 Resp: 179762
Ion Ratio Lower Upper
75 100
77 31.0 23.9 35.9
39 72.7 60.4 90.6





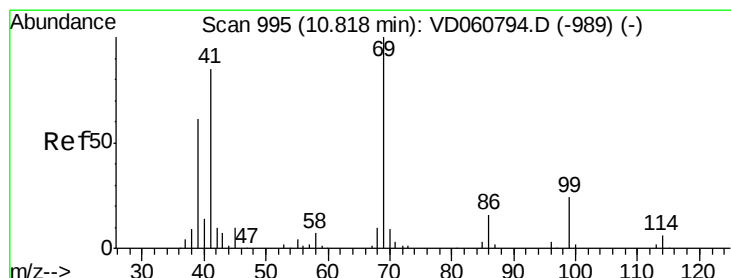
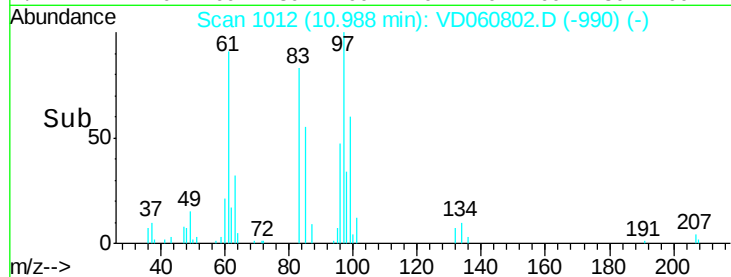
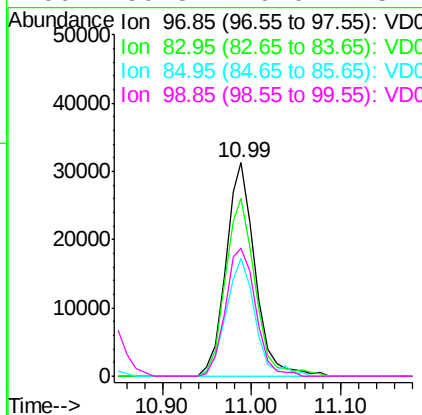
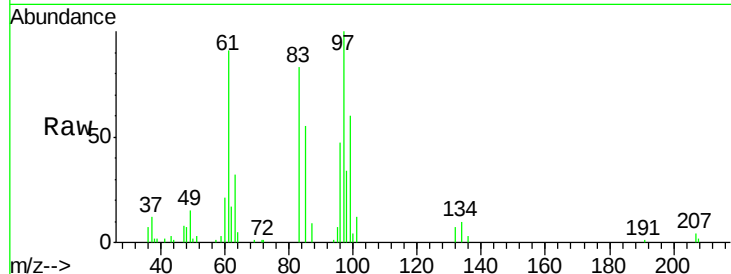
#55
 1,1,2-Trichloroethane
 Concen: 18.652 ug/l
 RT: 10.99 min Scan# 1012
 Delta R.T. 0.01 min
 Lab File: VD060802.D
 Acq: 30 Jan 2019 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

Tot Ion:	97	Resp:	72004
Ion	Ratio	Lower	Upper
97	100		
83	83.5	68.5	102.7
85	55.3	45.0	67.6
99	59.8	49.0	73.4

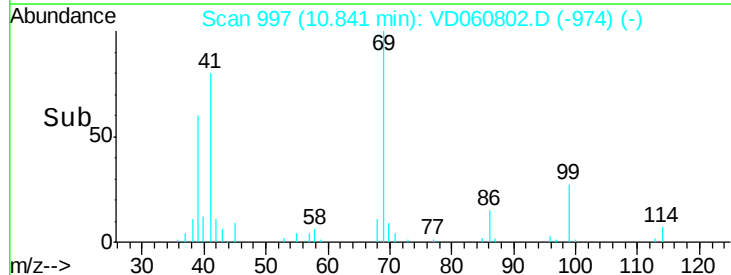
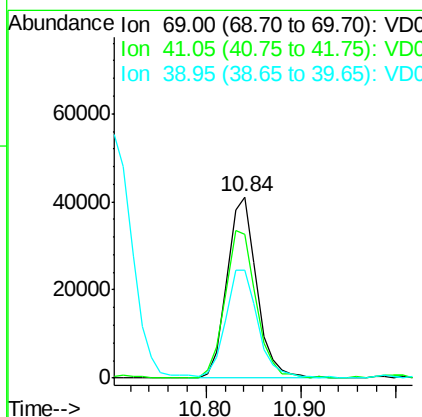
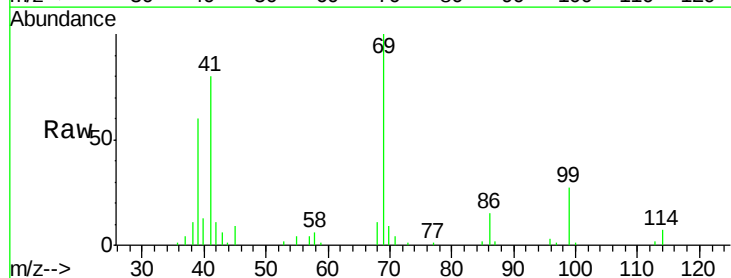
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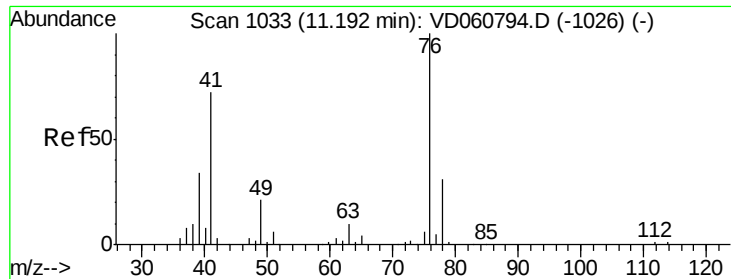
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#56
 Ethyl methacrylate
 Concen: 18.916 ug/l
 RT: 10.84 min Scan# 997
 Delta R.T. 0.02 min
 Lab File: VD060802.D
 Acq: 30 Jan 2019 13:35

Tgt Ion:	69	Resp:	88461
Ion	Ratio	Lower	Upper
69	100		
41	79.5	68.2	102.2
39	60.0	49.4	74.0





#57

1,3-Dichloropropane

Concen: 19.511 ug/l

RT: 11.21 min Scan# 1034

Delta R.T. 0.01 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS001

Tot Ion: 76 Resp: 128724

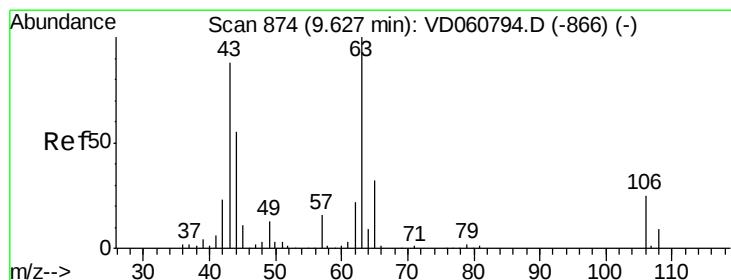
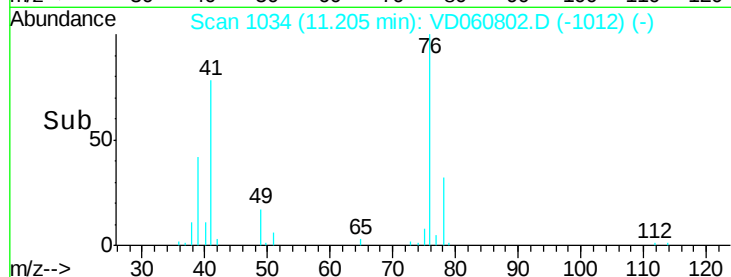
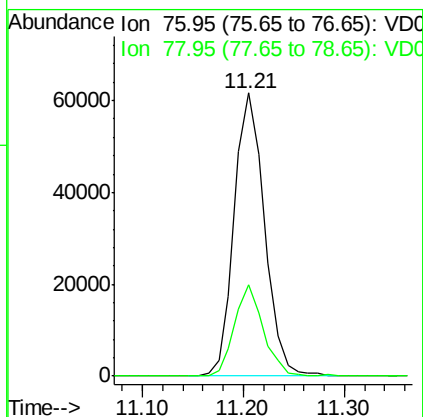
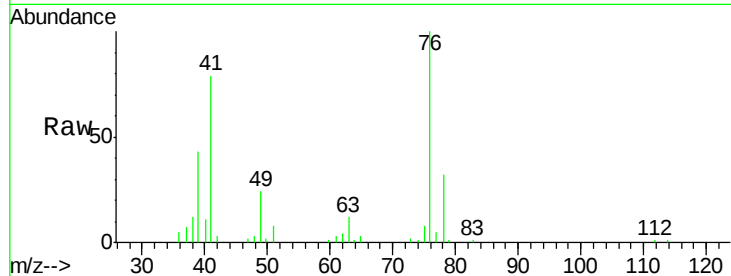
Ion Ratio Lower Upper

76 100

78 32.5 24.5 36.7

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 97.556 ug/l

RT: 9.64 min Scan# 875

Delta R.T. 0.01 min

Lab File: VD060802.D

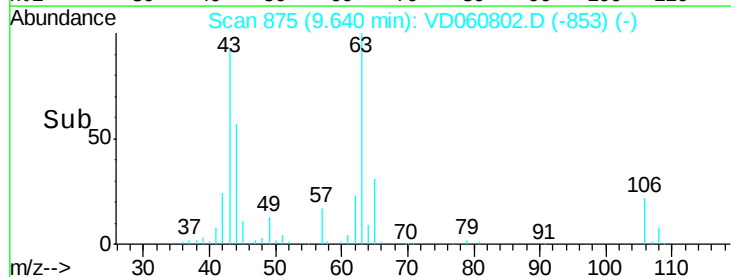
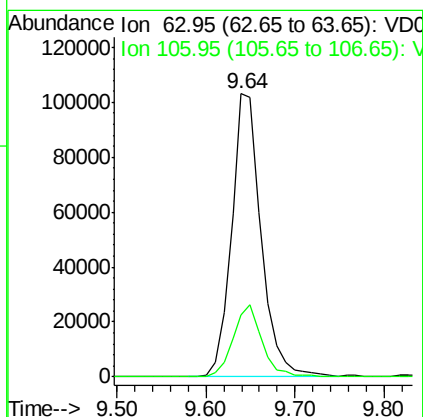
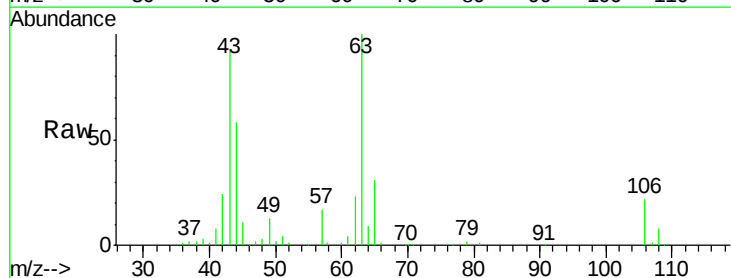
Acq: 30 Jan 2019 13:35

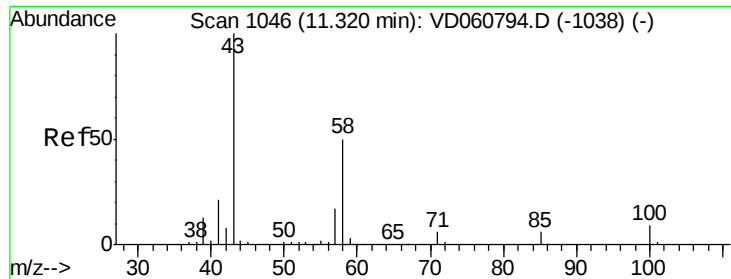
Tgt Ion: 63 Resp: 239372

Ion Ratio Lower Upper

63 100

106 21.9 19.9 29.9





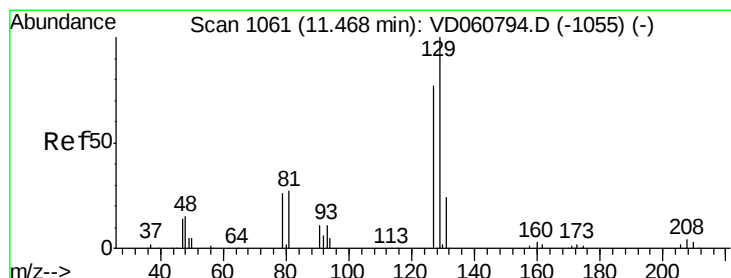
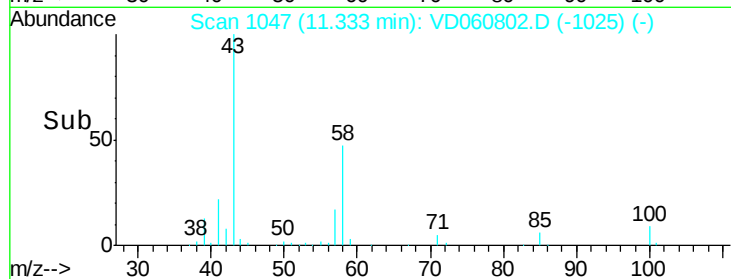
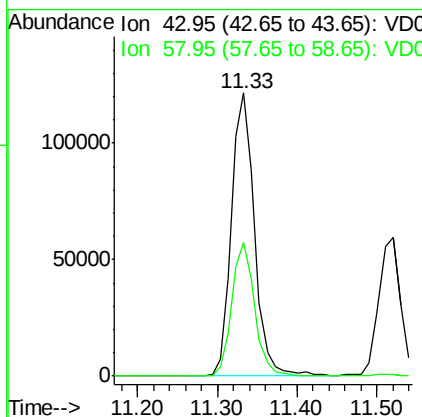
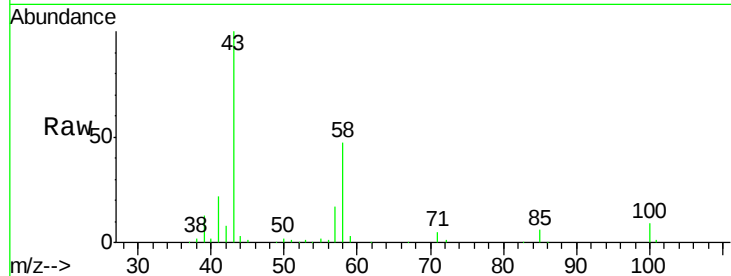
#59
2-Hexanone
Concen: 96.552 ug/l
RT: 11.33 min Scan# 1047
Delta R.T. 0.01 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

Tot Ion: 43 Resp: 247552
Ion Ratio Lower Upper
43 100
58 47.3 25.0 75.0

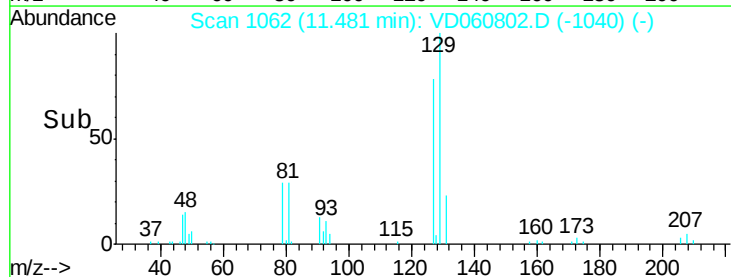
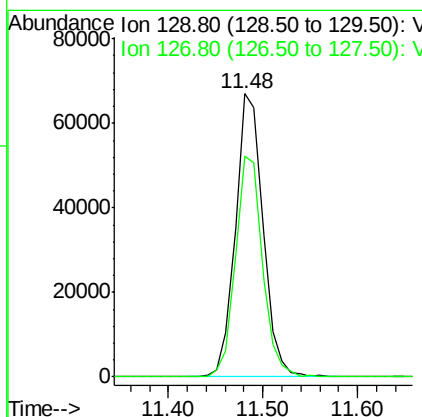
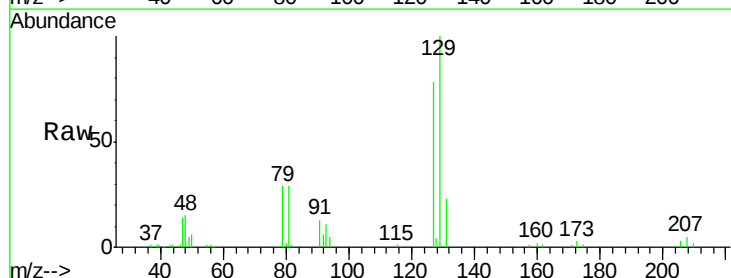
Manual Integrations
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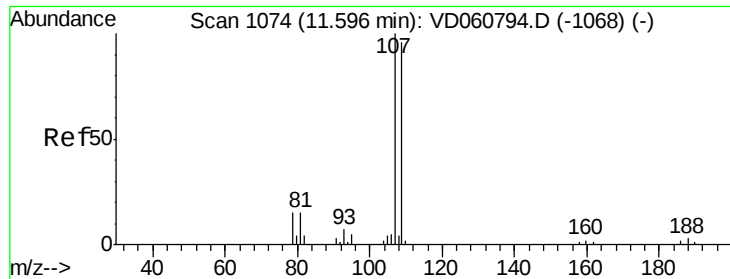
MMDadoda
2/1/2019 3:55:42 PM



#60
Dibromochloromethane
Concen: 19.429 ug/l
RT: 11.48 min Scan# 1062
Delta R.T. 0.01 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Tgt Ion: 129 Resp: 134837
Ion Ratio Lower Upper
129 100
127 77.9 38.6 115.7





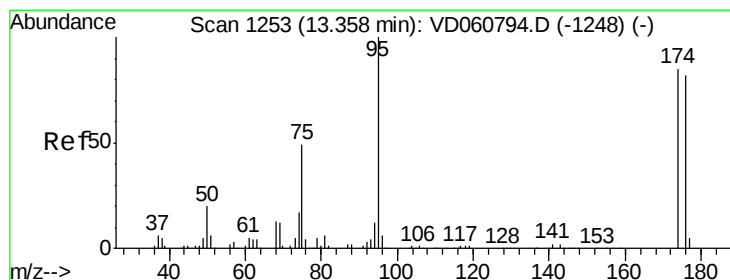
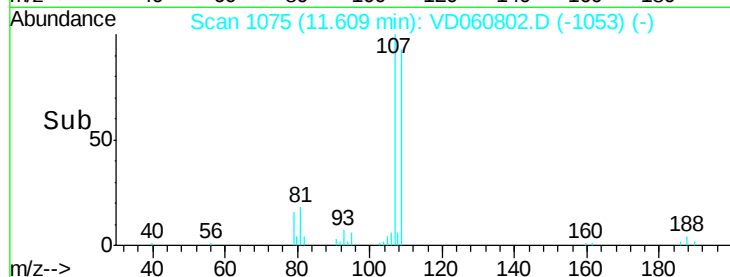
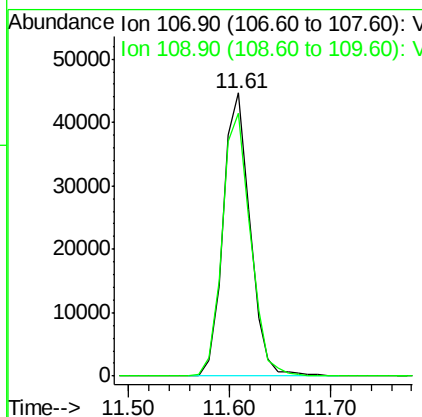
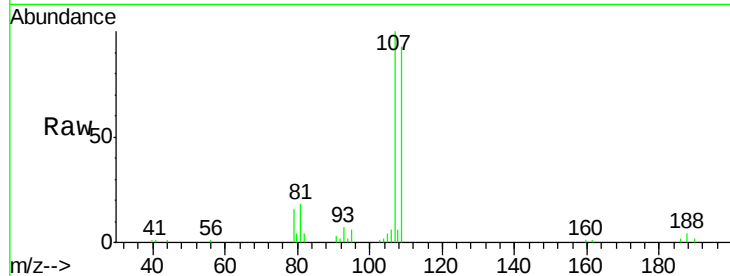
#61
 1,2-Dibromoethane
 Concen: 18.200 ug/l
 RT: 11.61 min Scan# 1075
 Delta R.T. 0.01 min
 Lab File: VD060802.D
 Acq: 30 Jan 2019 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

Tot Ion:107 Resp: 82742
 Ion Ratio Lower Upper
 107 100
 109 92.8 76.6 114.8

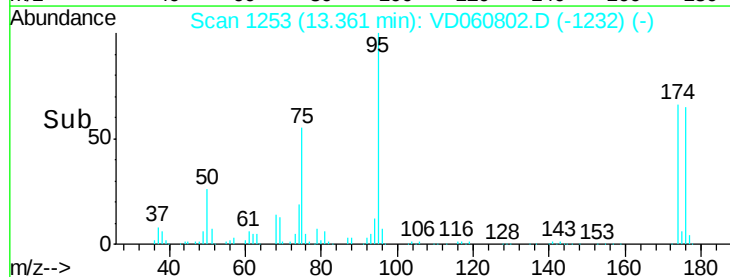
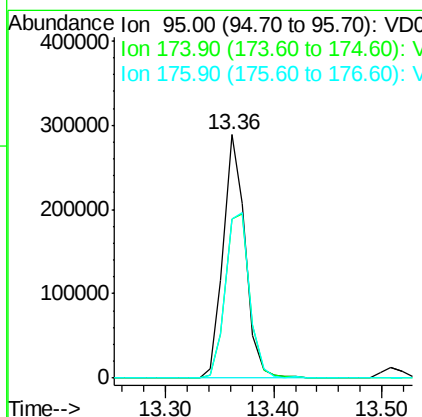
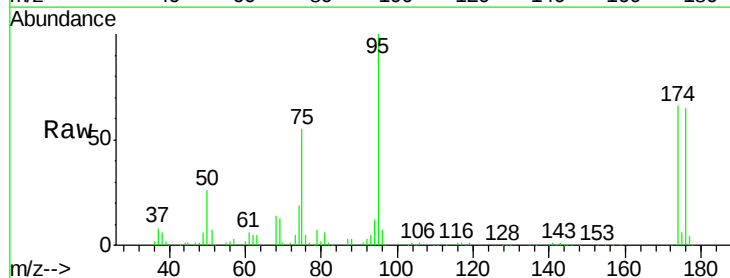
Manual Integrations
 APPROVED

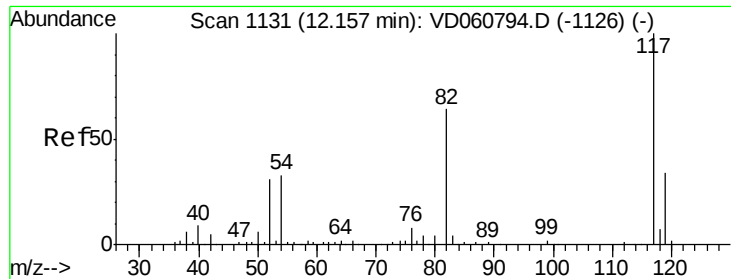
MMDadoda
 2/1/2019 3:55:42 PM



#62
 4-Bromofluorobenzene
 Concen: 18.200 ug/l
 RT: 13.36 min Scan# 1253
 Delta R.T. 0.00 min
 Lab File: VD060802.D
 Acq: 30 Jan 2019 13:35

Tgt Ion: 95 Resp: 408238
 Ion Ratio Lower Upper
 95 100
 174 65.5 0.0 169.6
 176 65.4 0.0 163.8





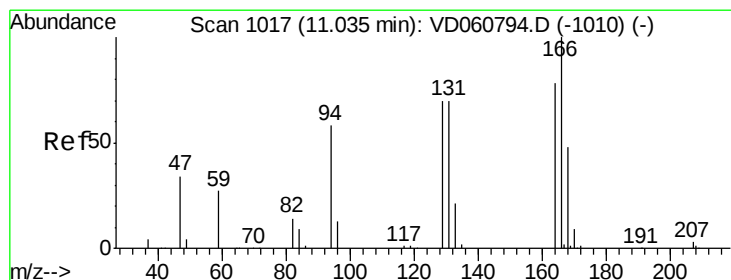
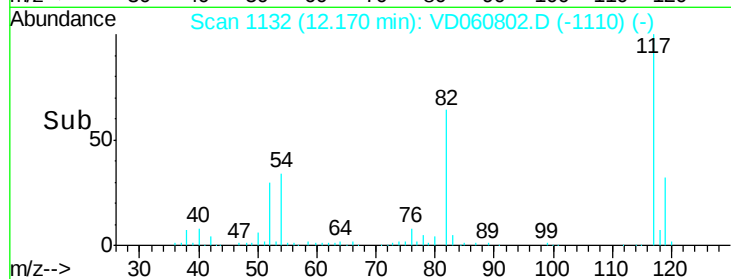
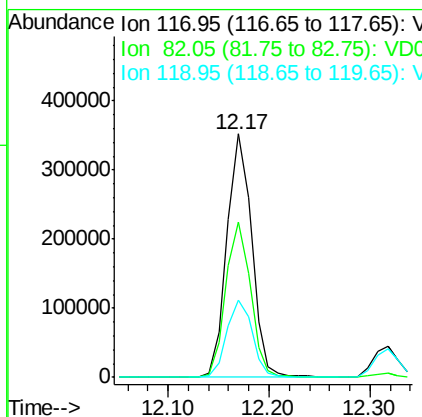
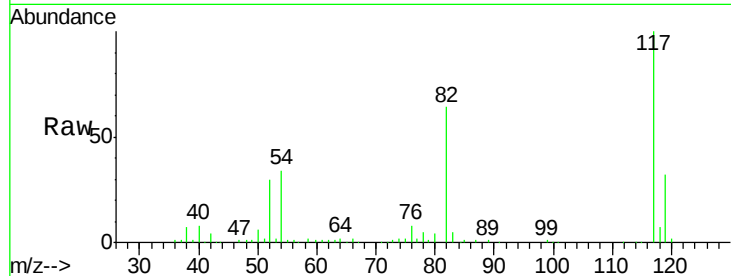
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.17 min Scan# 1132
Delta R.T. 0.01 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.0	51.5	77.3
119	31.8	27.1	40.7

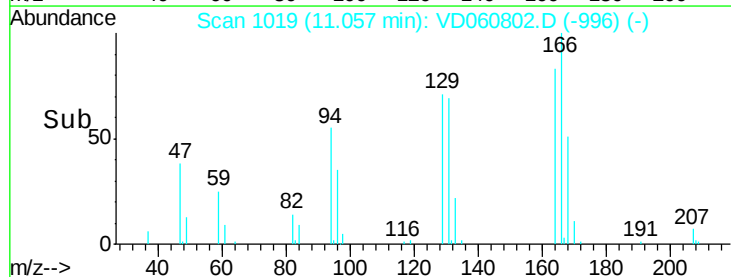
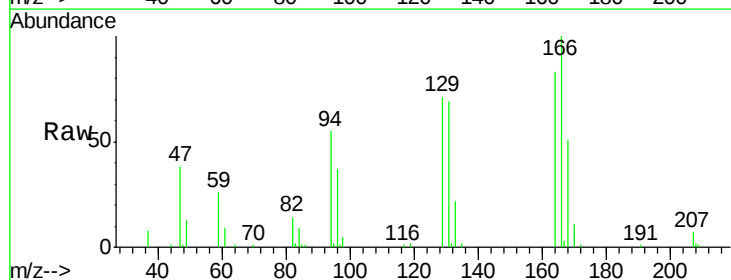
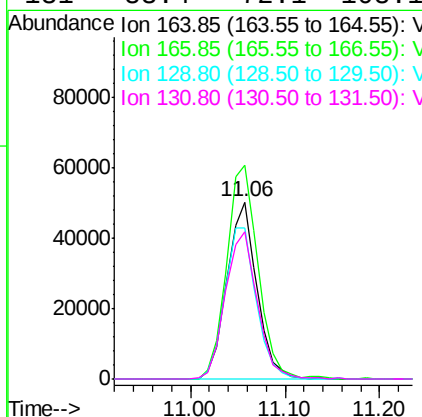
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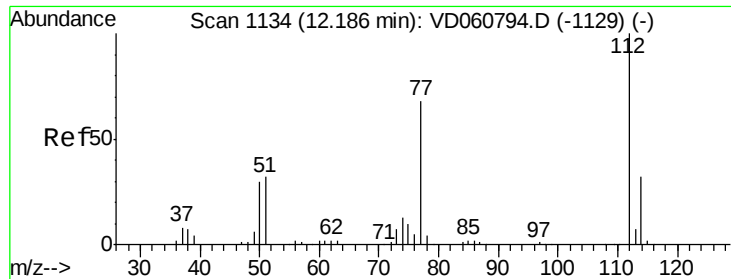
MMDadoda
2/1/2019 3:55:42 PM



#64
Tetrachloroethene
Concen: 19.780 ug/l
RT: 11.06 min Scan# 1019
Delta R.T. 0.02 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.8	102.6	154.0
129	85.7	72.3	108.5
131	83.4	72.1	108.1





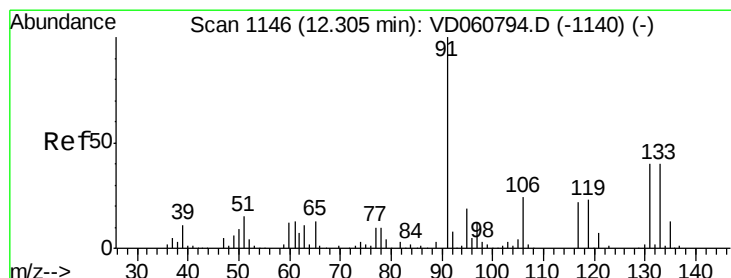
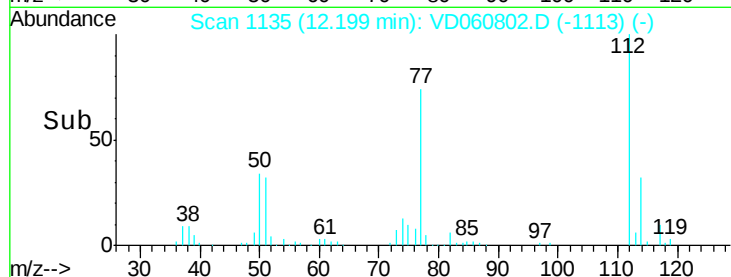
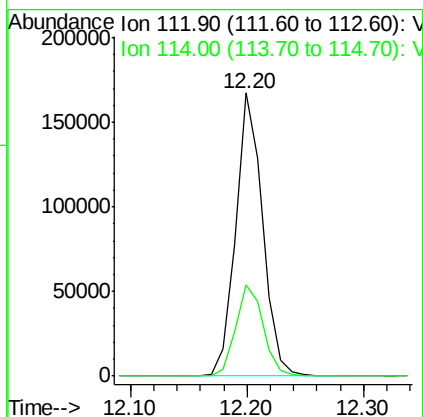
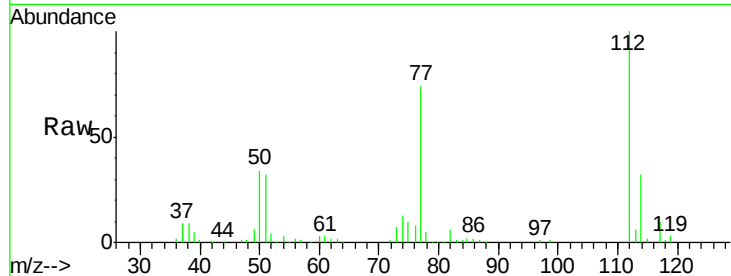
#65
Chlorobenzene
Concen: 19.370 ug/l
RT: 12.20 min Scan# 1135
Delta R.T. 0.01 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

Tot Ion:112 Resp: 267360
Ion Ratio Lower Upper
112 100
114 32.4 25.2 37.8

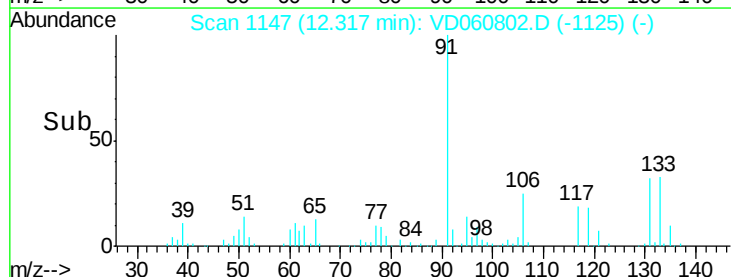
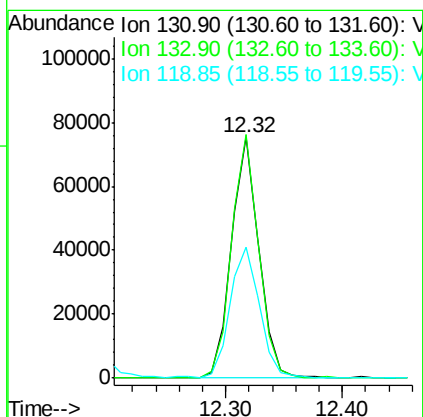
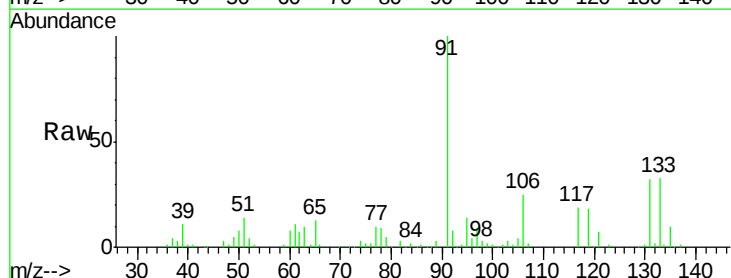
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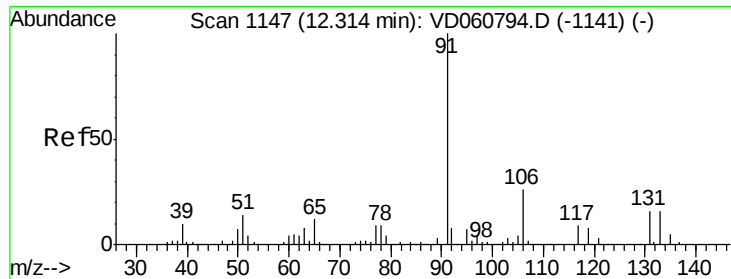
MMDadoda
2/1/2019 3:55:42 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.756 ug/l
RT: 12.32 min Scan# 1147
Delta R.T. 0.01 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Tgt Ion:131 Resp: 123085
Ion Ratio Lower Upper
131 100
133 101.3 49.9 149.7
119 54.7 28.5 85.5





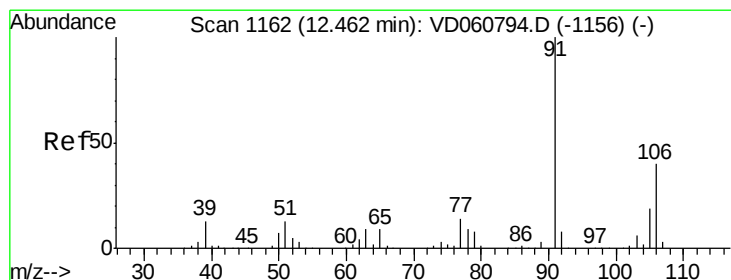
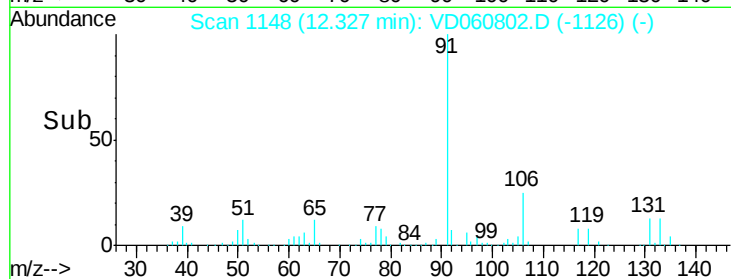
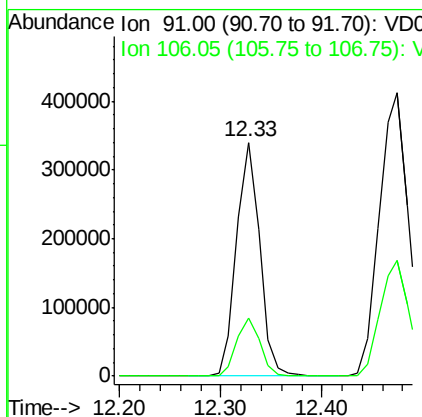
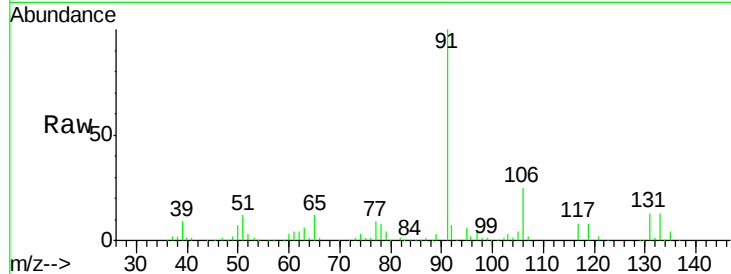
#67
Ethyl Benzene
Concen: 21.933 ug/l
RT: 12.33 min Scan# 1148
Delta R.T. 0.01 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

Tot Ion: 91 Resp: 544371
Ion Ratio Lower Upper
91 100
106 25.0 21.0 31.6

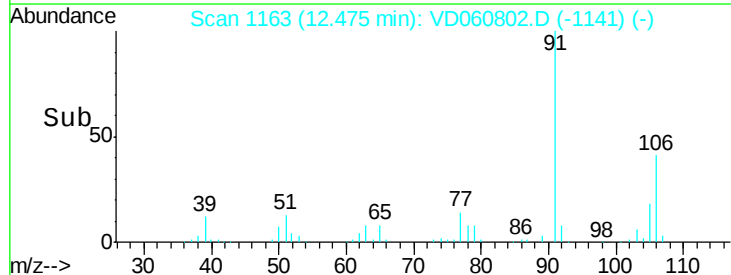
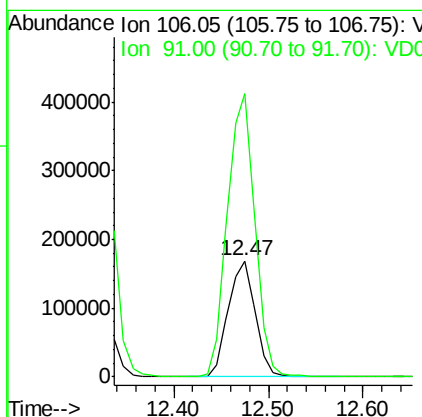
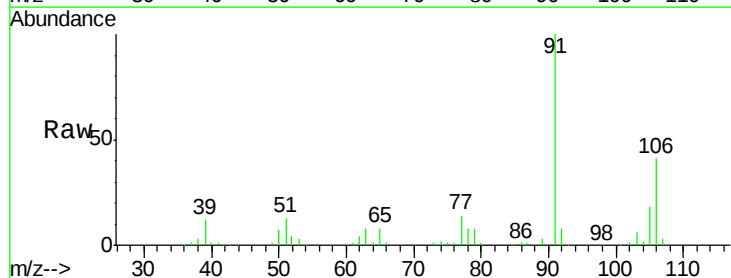
Manual Integrations
APPROVED

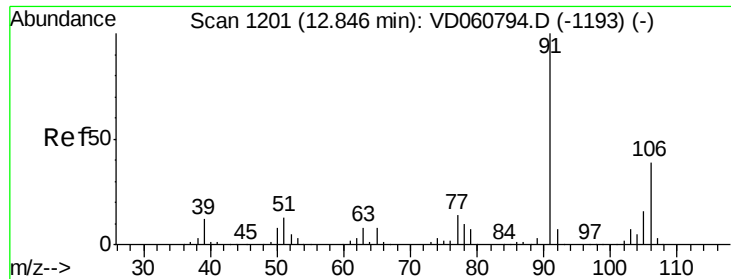
MMDadoda
2/1/2019 3:55:42 PM



#68
m/p-Xylenes
Concen: 41.225 ug/l
RT: 12.47 min Scan# 1163
Delta R.T. 0.01 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Tgt Ion: 106 Resp: 332898
Ion Ratio Lower Upper
106 100
91 243.8 200.5 300.7





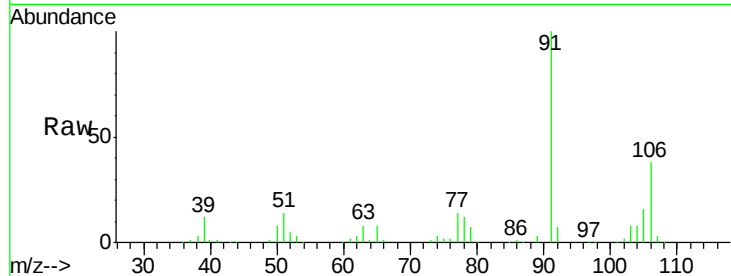
#69
o-Xylene
Concen: 19.415 ug/l
RT: 12.86 min Scan# 1202
Delta R.T. 0.01 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

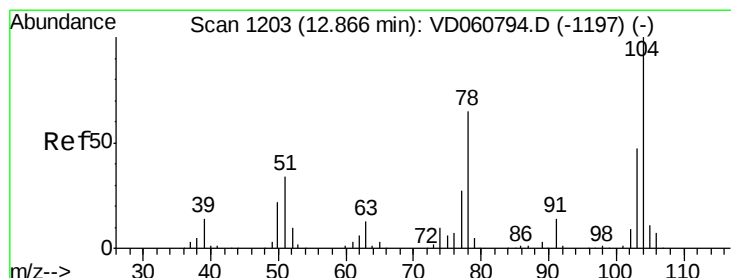
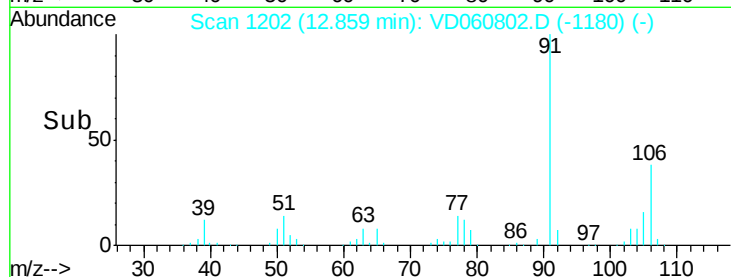
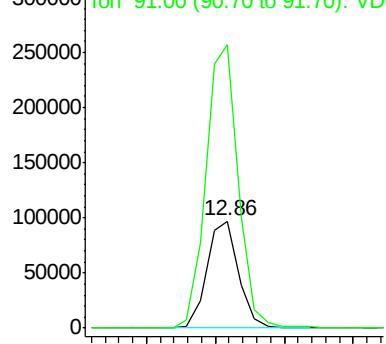
Tot Ion:106 Resp: 155166
Ion Ratio Lower Upper
106 100
91 264.1 127.6 382.7

Manual Integrations
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2/1/2019 3:55:42 PM

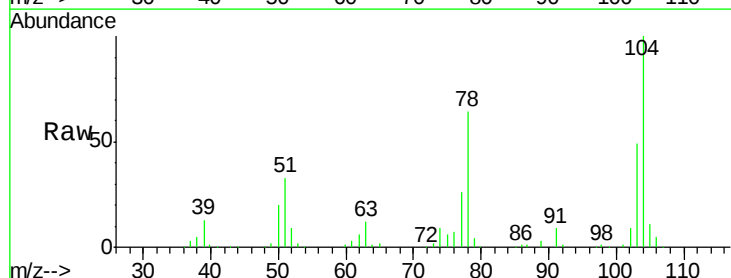


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

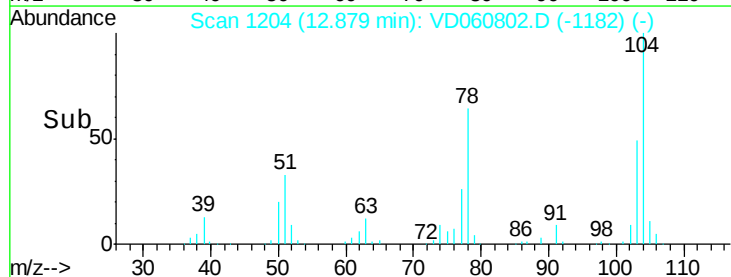
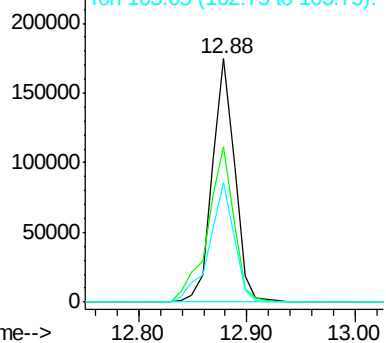


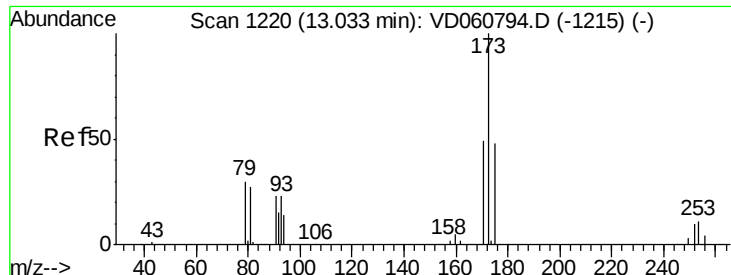
#70
Styrene
Concen: 18.752 ug/l
RT: 12.88 min Scan# 1204
Delta R.T. 0.01 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Tgt Ion:104 Resp: 251316
Ion Ratio Lower Upper
104 100
78 64.0 52.0 78.0
103 49.3 37.7 56.5



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





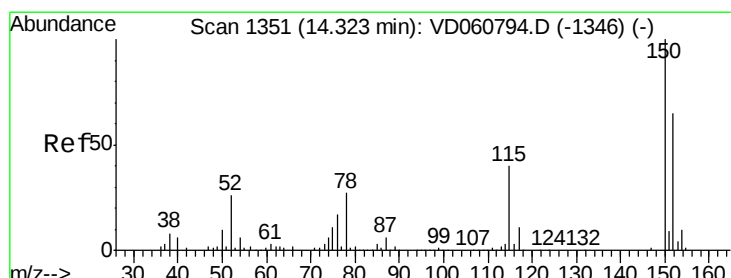
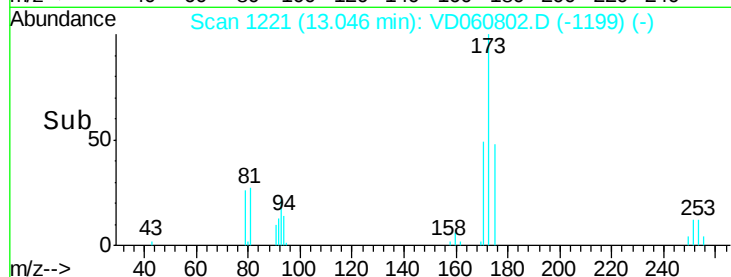
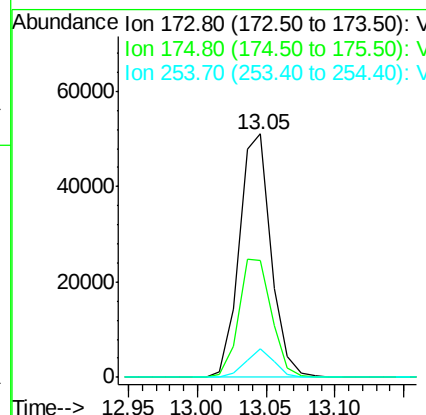
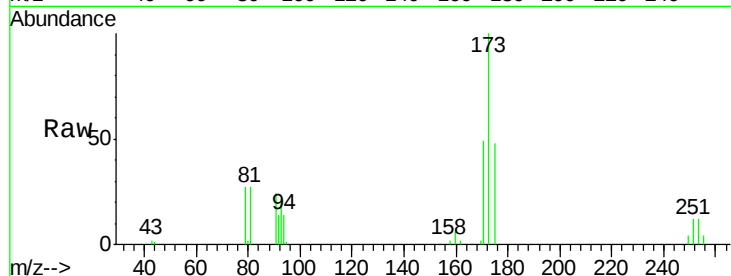
#71
Bromoform
Concen: 18.338 ug/l
RT: 13.05 min Scan# 1221
Delta R.T. 0.01 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.1	72.4
254	11.6	9.1	13.7

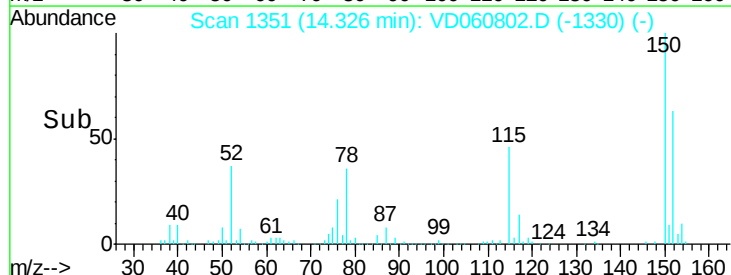
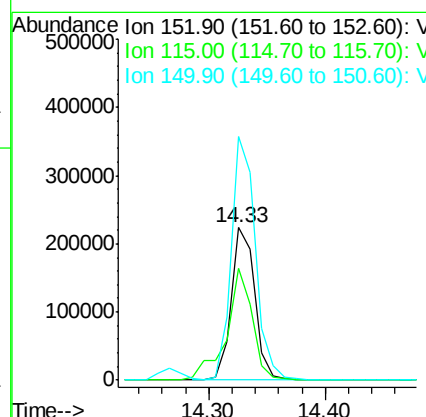
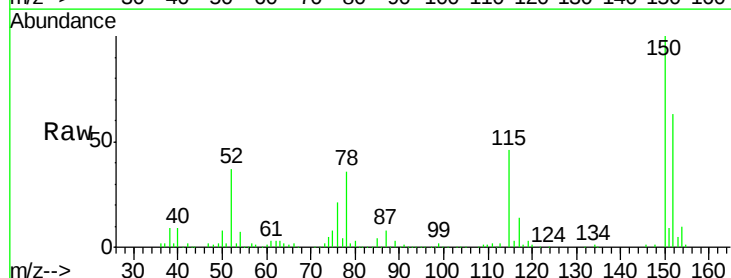
Manual Integrations
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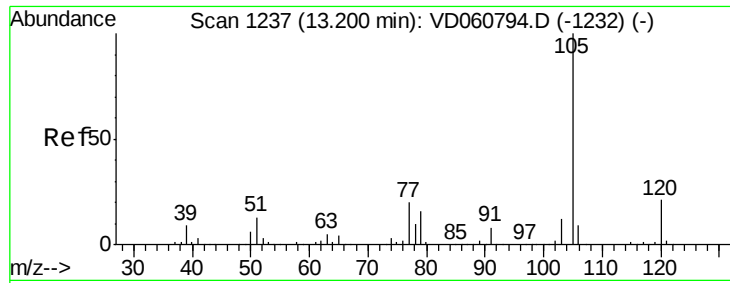
MMDadoda
2/1/2019 3:55:42 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.33 min Scan# 1351
Delta R.T. 0.00 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	72.9	31.6	95.0
150	159.5	0.0	317.6





#73

Isopropylbenzene

Concen: 19.765 ug/l

RT: 13.21 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

Tot Ion: 105 Resp: 490861

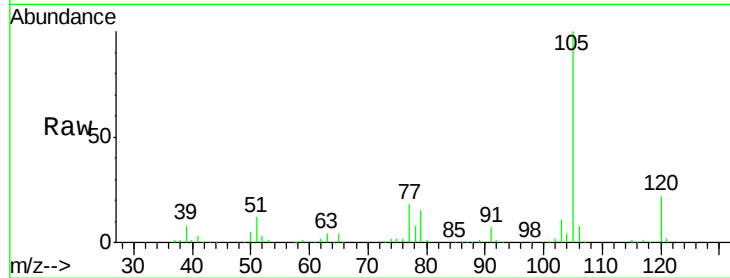
Ion Ratio Lower Upper

105 100

120 22.2 10.7 32.1

Manual Integrations
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2/1/2019 3:55:42 PM



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.21

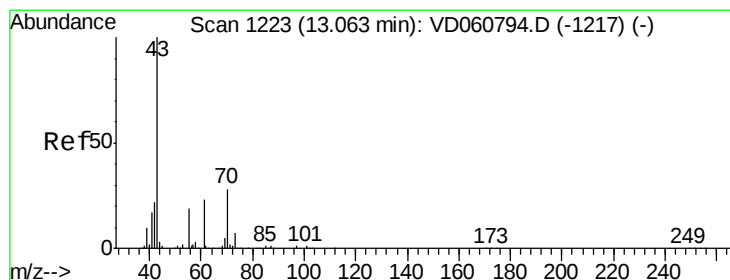
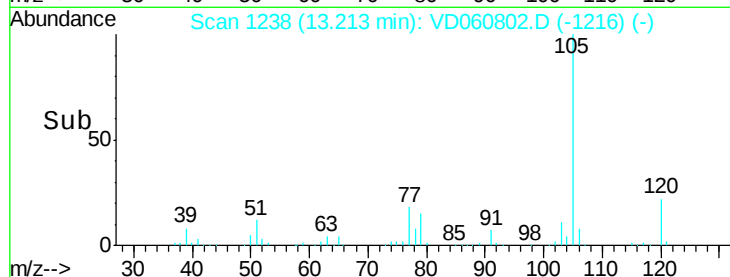
300000

200000

100000

0

Time--> 13.10 13.20 13.30



#74

N-ethyl acetate

Concen: 19.057 ug/l

RT: 13.08 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Tgt Ion: 43 Resp: 145491

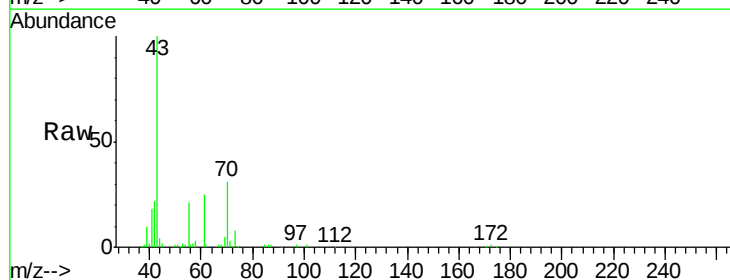
Ion Ratio Lower Upper

43 100

70 30.5 22.2 33.4

55 21.1 15.5 23.3

61 24.8 18.4 27.6



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

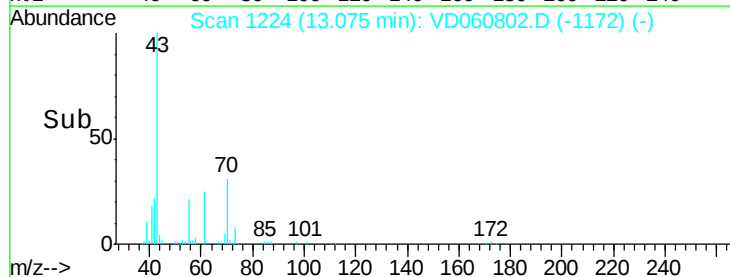
150000

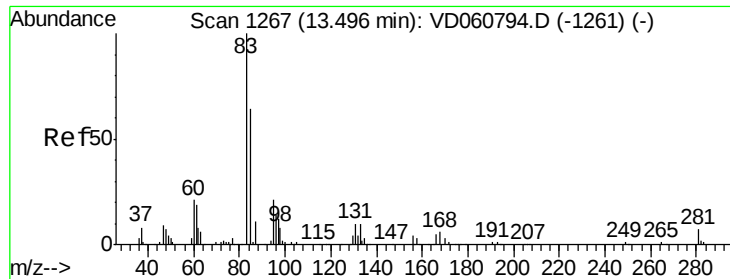
100000

50000

0

Time--> 13.00 13.10





#75

1,1,2,2-Tetrachloroethane

Concen: 18.045 ug/l

RT: 13.51 min Scan# 1268

Delta R.T. 0.01 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Instrument :

MSVOA_D

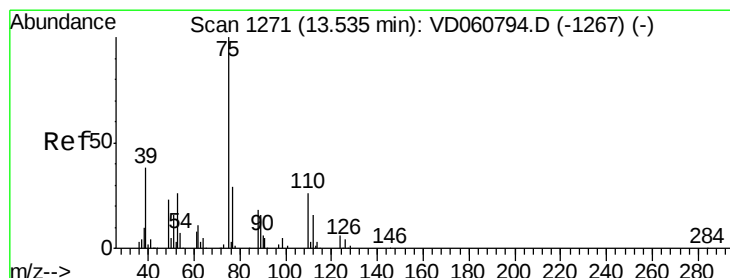
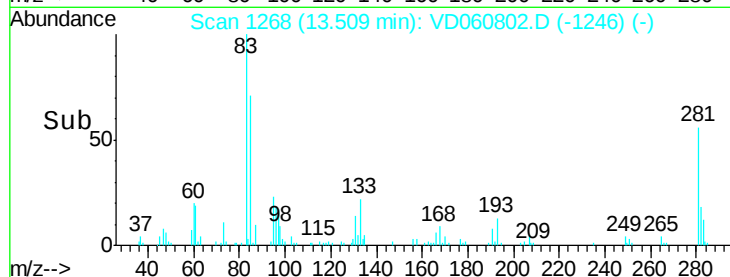
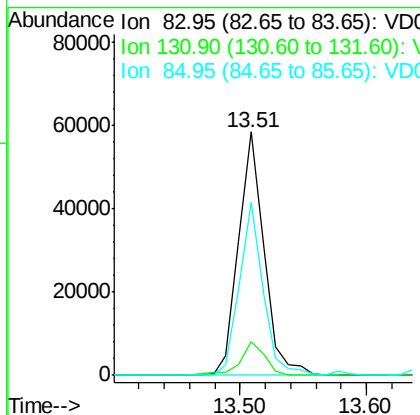
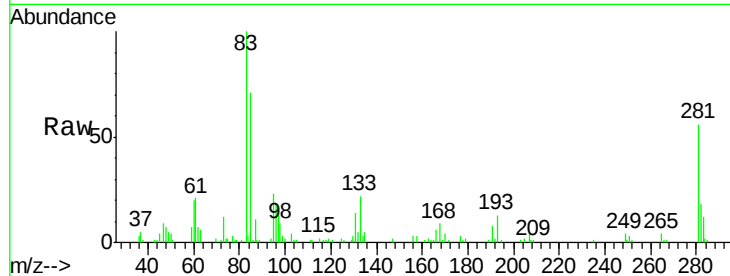
ClientSampleId :

VD0130SBS01

Tot Ion:	83	Resp:	81599
Ion Ratio	Lower	Upper	
83	100		
131	14.0	5.0	15.0
85	71.1	31.8	95.4

Manual Integrations
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2/1/2019 3:55:42 PM



#76

1,2,3-Trichloropropane

Concen: 18.569 ug/l

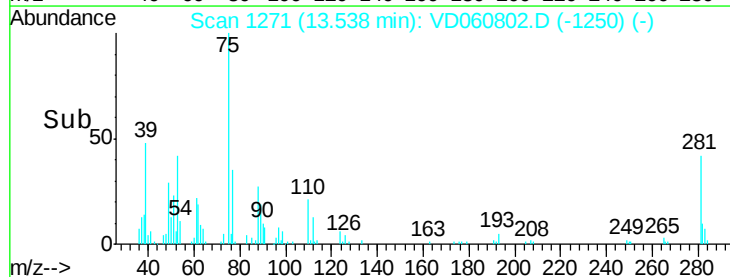
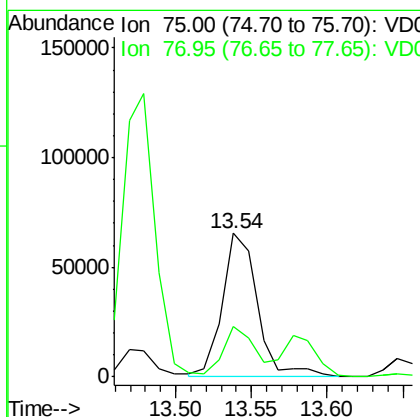
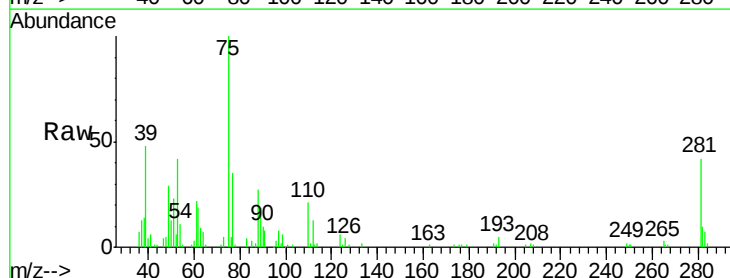
RT: 13.54 min Scan# 1271

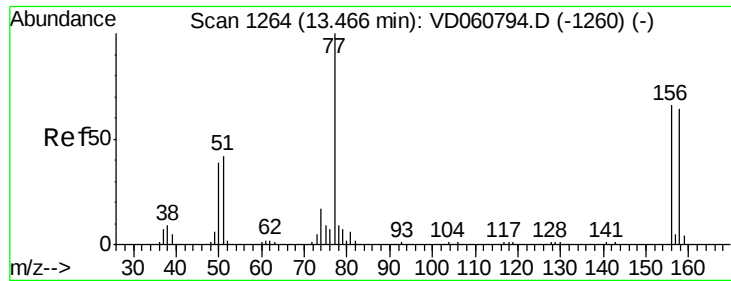
Delta R.T. 0.00 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Tgt Ion:	75	Resp:	106061
Ion Ratio	Lower	Upper	
75	100		
77	35.4	15.9	47.7





#77

Bromobenzene

Concen: 19.190 ug/l

RT: 13.48 min Scan# 1265

Delta R.T. 0.01 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Instrument :

MSVOA_D

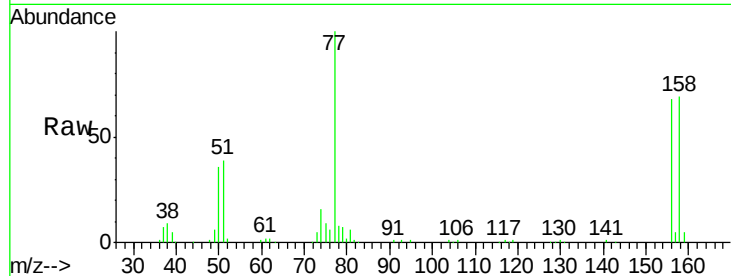
ClientSampleId :

VD0130SBS01

Tot Ion:	156	Resp:	122505
Ion Ratio	Lower	Upper	
156	100		
77	146.5	76.0	228.0
158	100.7	48.4	145.0

Manual Integrations
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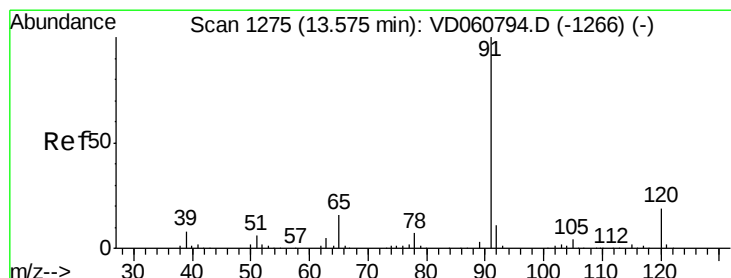
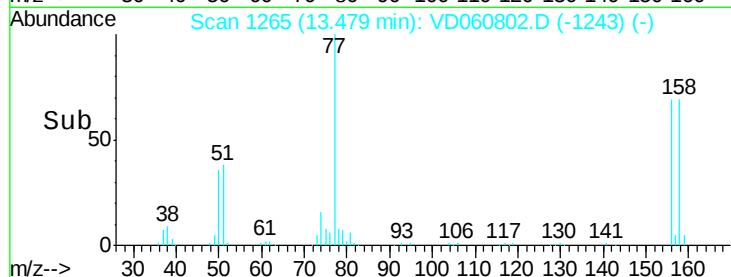
Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V

13.48

Time-->



#78

n-propylbenzene

Concen: 18.963 ug/l

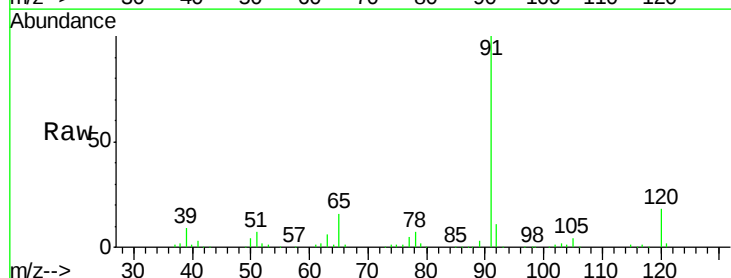
RT: 13.58 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Tgt Ion:	91	Resp:	591182
Ion Ratio	Lower	Upper	
91	100		
120	18.3	9.7	28.9

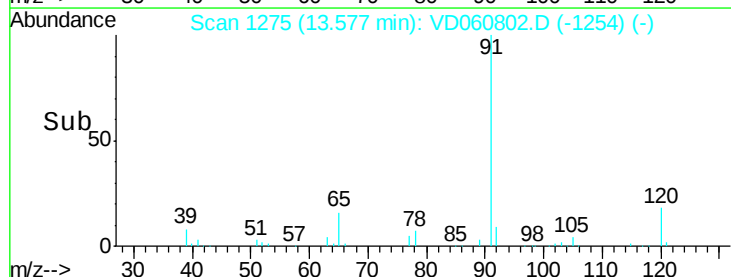


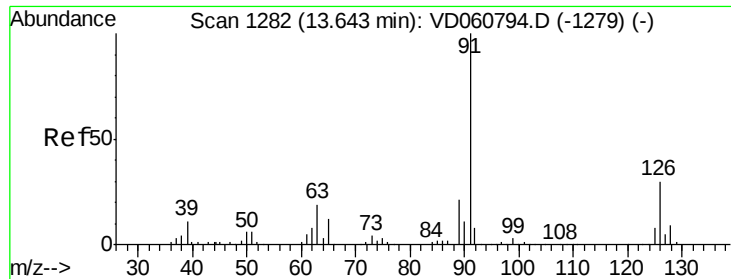
Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

13.58

Time-->





#79

2-Chlorotoluene

Concen: 21.114 ug/l

RT: 13.65 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

Tot Ion: 91 Resp: 401482

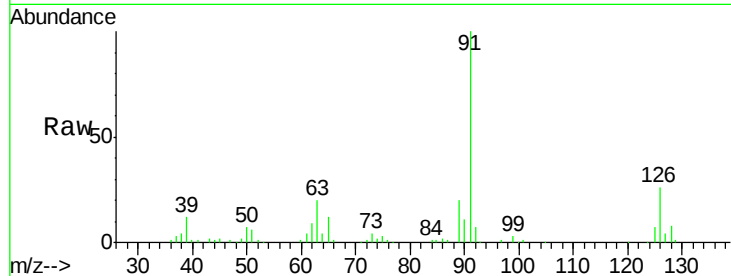
Ion Ratio Lower Upper

91 100

126 25.9 14.7 44.1

Manual Integrations
APPROVED

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

Ion 125.95 (125.65 to 126.65): VD060794.D (-1279) (-)

400000

300000

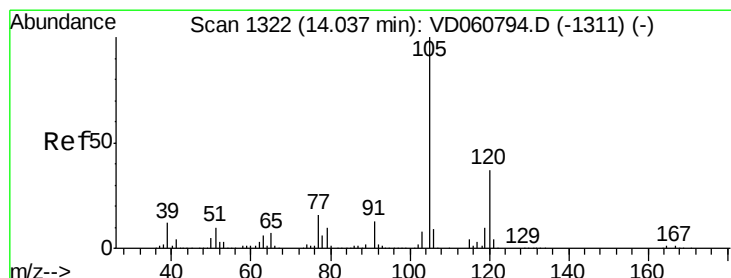
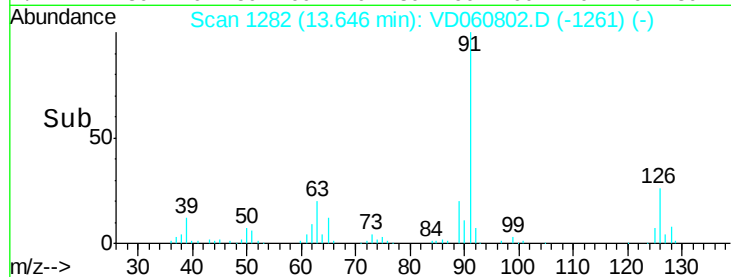
200000

100000

0

13.60 13.65 13.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.024 ug/l

RT: 14.05 min Scan# 1323

Delta R.T. 0.01 min

Lab File: VD060802.D

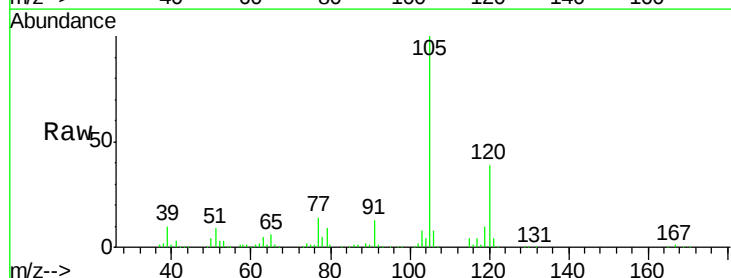
Acq: 30 Jan 2019 13:35

Tgt Ion:105 Resp: 428110

Ion Ratio Lower Upper

105 100

120 39.0 18.4 55.2



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

Ion 120.05 (119.75 to 120.75): VD060794.D (-1311) (-)

400000

300000

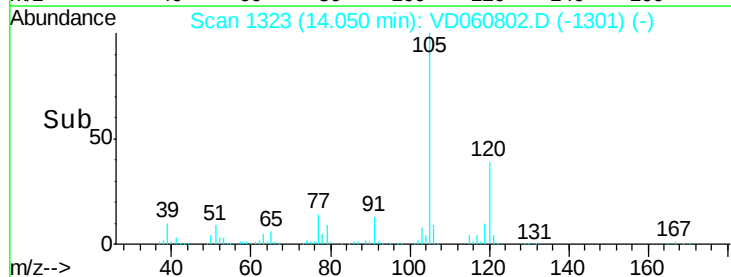
200000

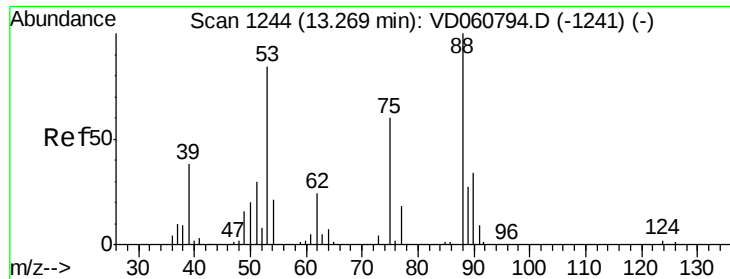
100000

0

13.90 14.00 14.10

Time-->





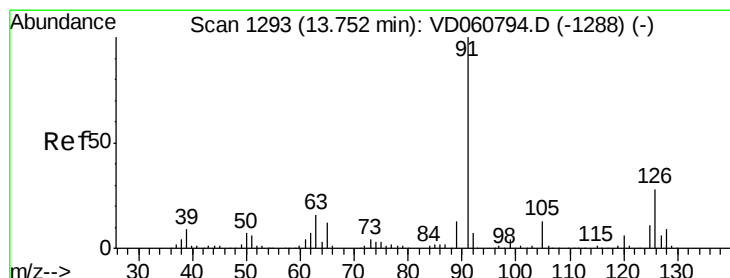
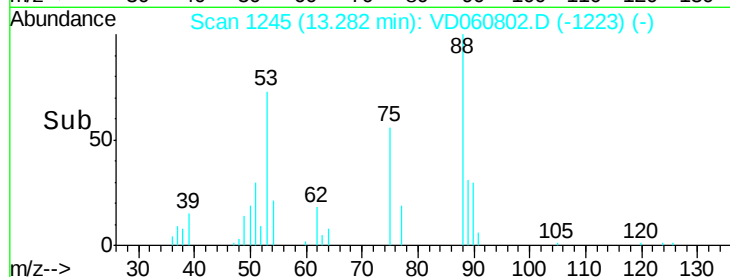
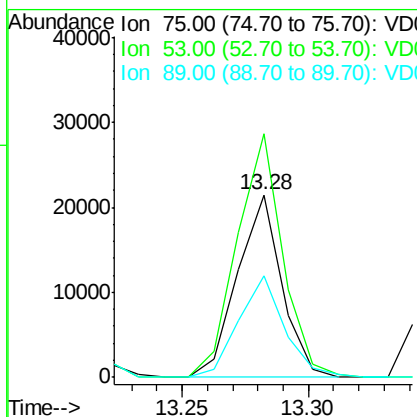
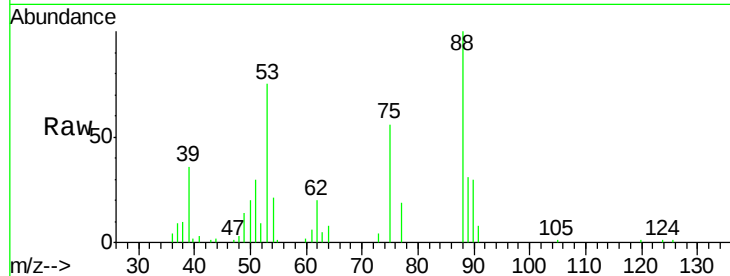
#81
trans-1,4-Dichloro-2-butene
Concen: 17.670 ug/l
RT: 13.28 min Scan# 1245
Delta R.T. 0.01 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

Tot Ion: 75 Resp: 26313
Ion Ratio Lower Upper
75 100
53 133.4 111.6 167.4
89 55.6 35.9 53.9#

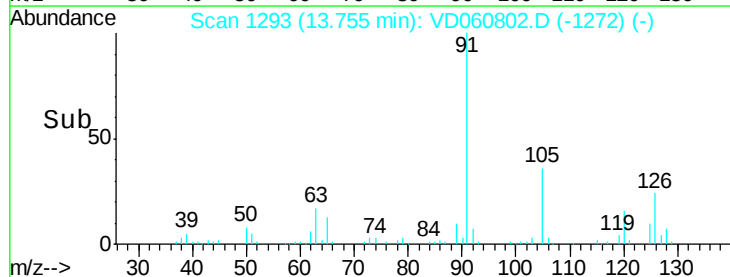
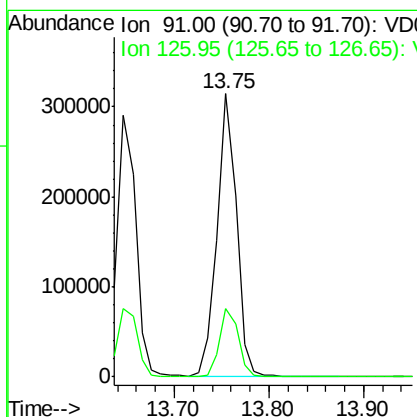
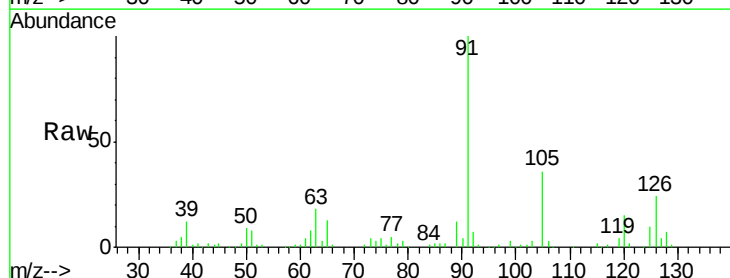
Manual Integrations
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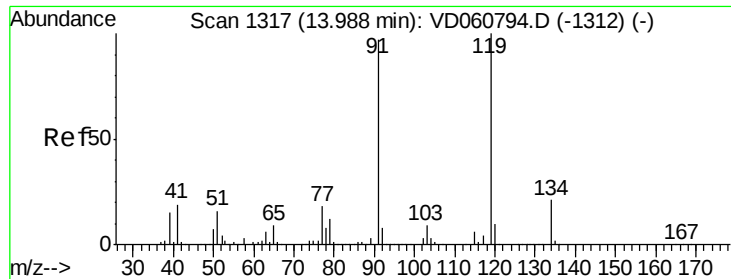
MMDadoda
2/1/2019 3:55:42 PM



#82
4-Chlorotoluene
Concen: 21.431 ug/l
RT: 13.75 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Tgt Ion: 91 Resp: 452911
Ion Ratio Lower Upper
91 100
126 24.4 13.9 41.7





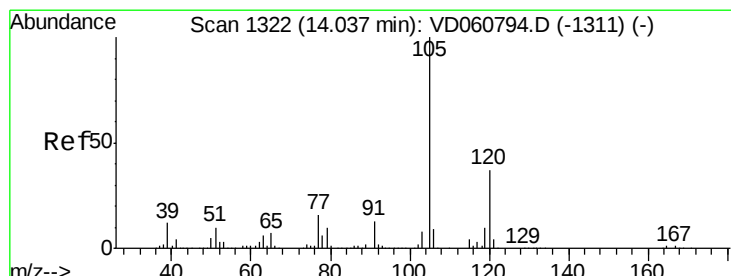
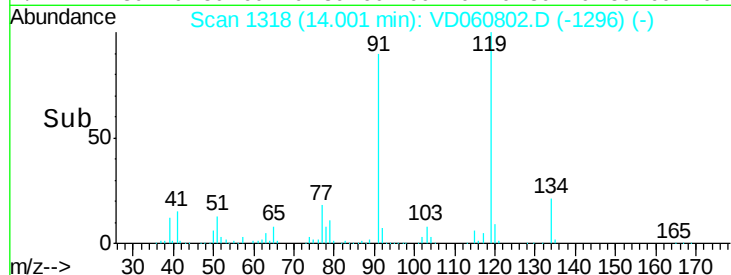
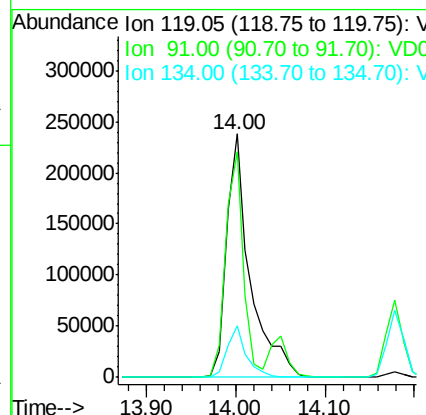
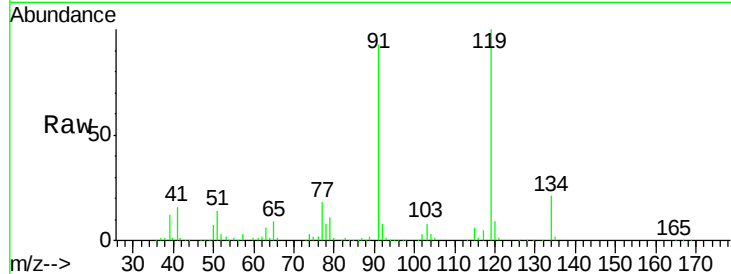
#83
tert-Butylbenzene
Concen: 19.778 ug/l
RT: 14.00 min Scan# 1318
Delta R.T. 0.01 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

Tot Ion:119 Resp: 442397
Ion Ratio Lower Upper
119 100
91 93.0 48.5 145.5
134 21.2 10.3 30.8

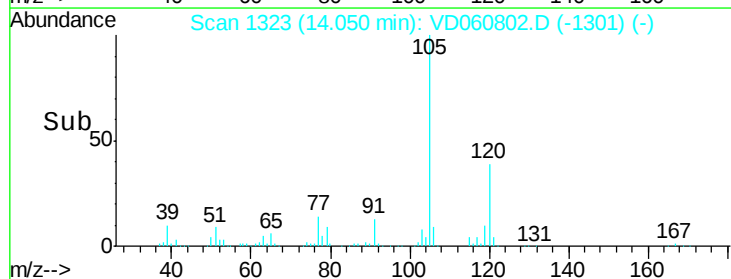
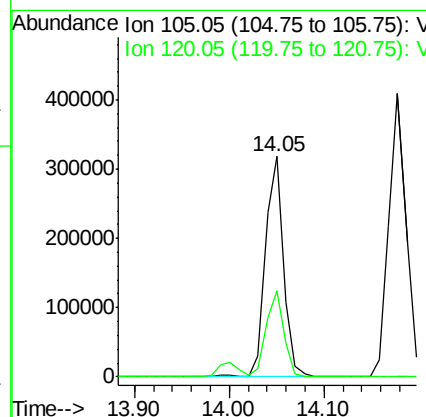
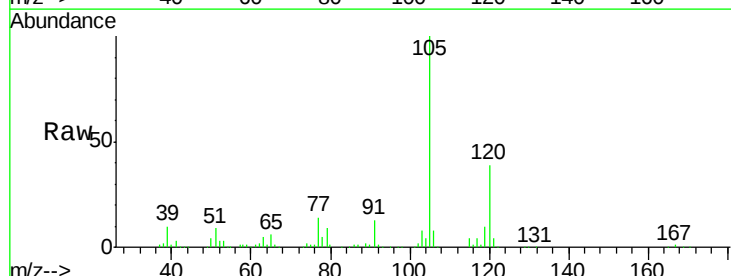
Manual Integrations
APPROVED

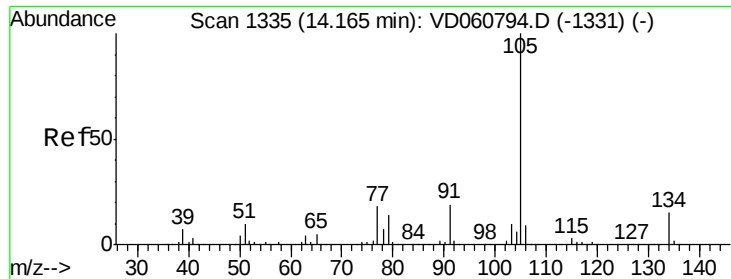
MMDadoda
2/1/2019 3:55:42 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.024 ug/l
RT: 14.05 min Scan# 1323
Delta R.T. 0.01 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Tgt Ion:105 Resp: 428110
Ion Ratio Lower Upper
105 100
120 39.0 18.4 55.2





#85

sec-Butylbenzene

Concen: 20.530 ug/l

RT: 14.18 min Scan# 1336

Delta R.T. 0.01 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

Tot Ion:105 Resp: 522727

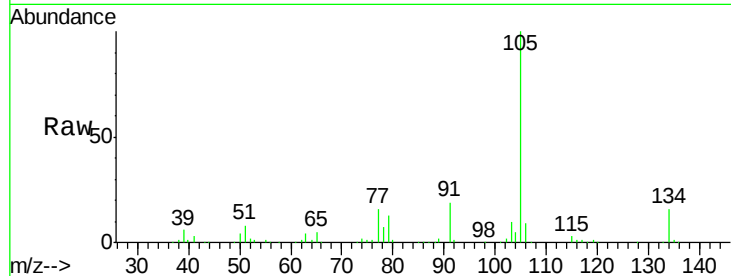
Ion Ratio Lower Upper

105 100

134 16.1 7.4 22.2

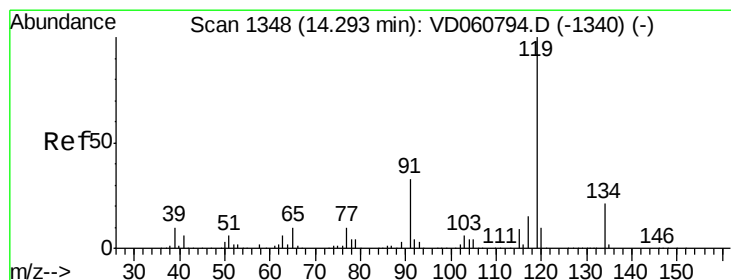
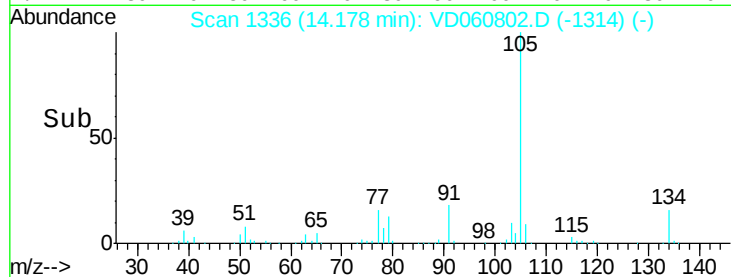
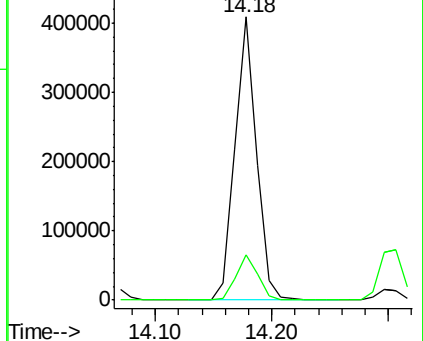
Manual Integrations
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2/1/2019 3:55:42 PM



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 22.609 ug/l

RT: 14.30 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

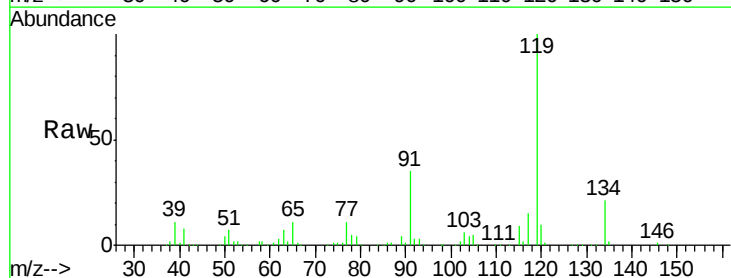
Tgt Ion:119 Resp: 467380

Ion Ratio Lower Upper

119 100

134 21.5 10.8 32.3

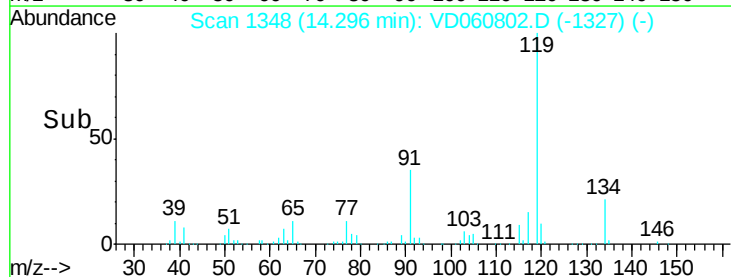
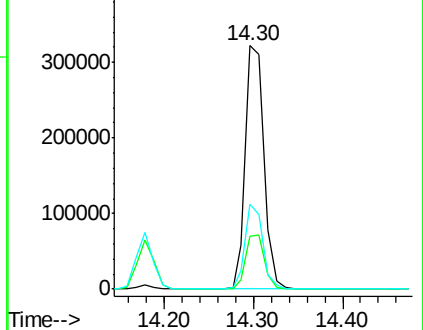
91 35.1 16.7 50.0

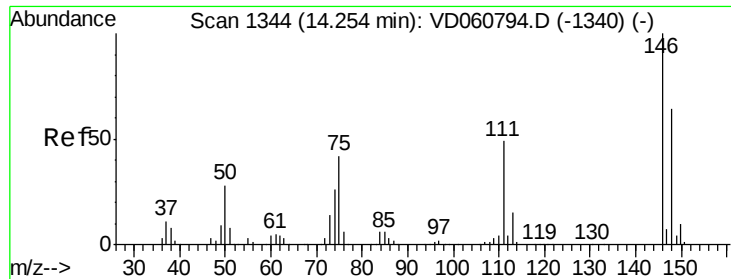


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





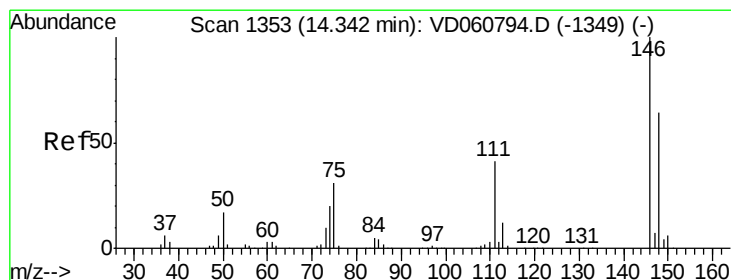
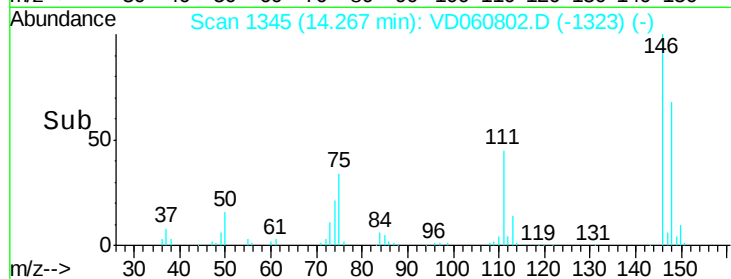
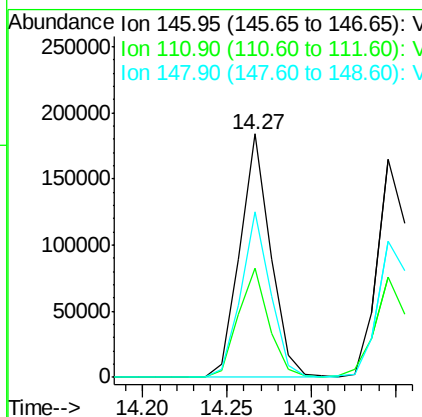
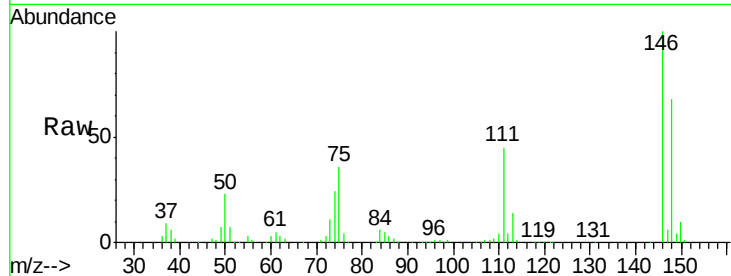
#87
 1,3-Dichlorobenzene
 Concen: 20.354 ug/l
 RT: 14.27 min Scan# 1345
 Delta R.T. 0.01 min
 Lab File: VD060802.D
 Acq: 30 Jan 2019 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	24.3	73.0
148	68.0	32.1	96.5

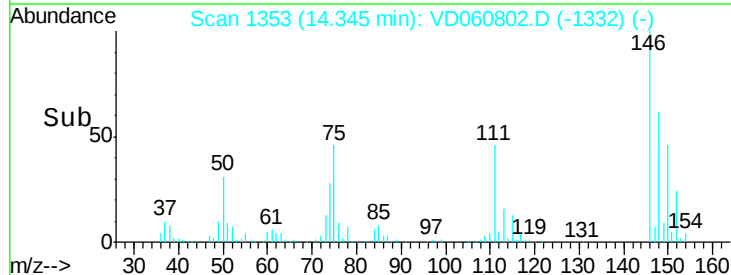
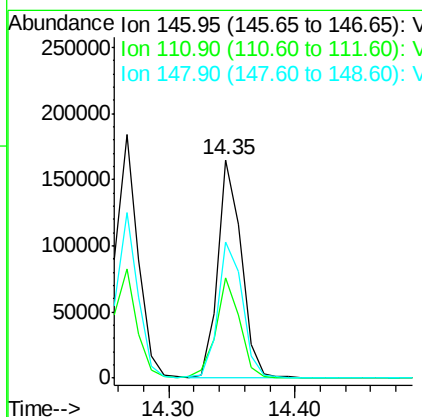
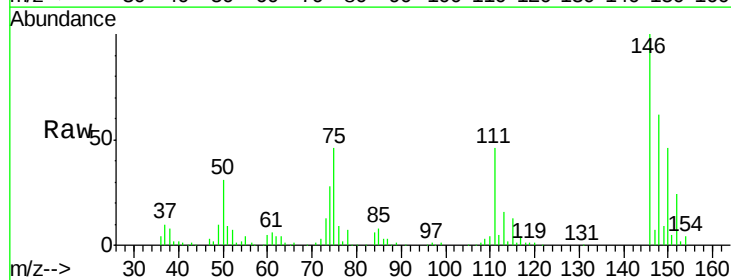
Manual Integrations
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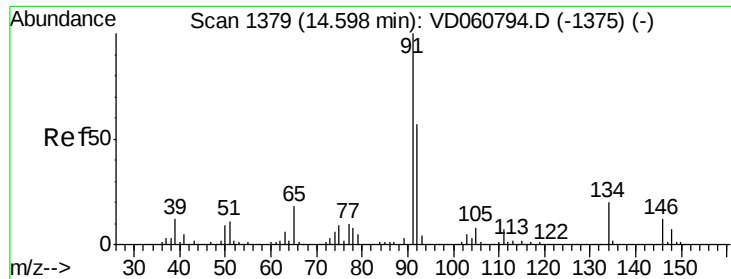
MMDadoda
 2/1/2019 3:55:42 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.457 ug/l
 RT: 14.35 min Scan# 1353
 Delta R.T. 0.00 min
 Lab File: VD060802.D
 Acq: 30 Jan 2019 13:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.2	20.6	61.8
148	62.2	31.9	95.7





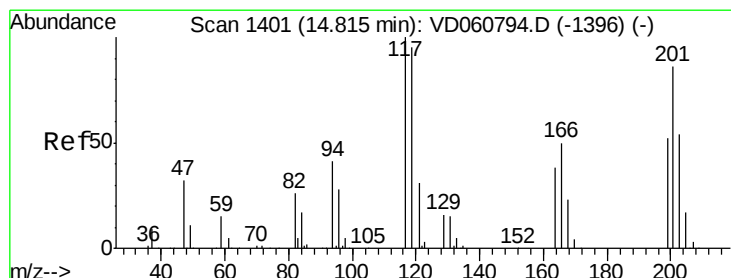
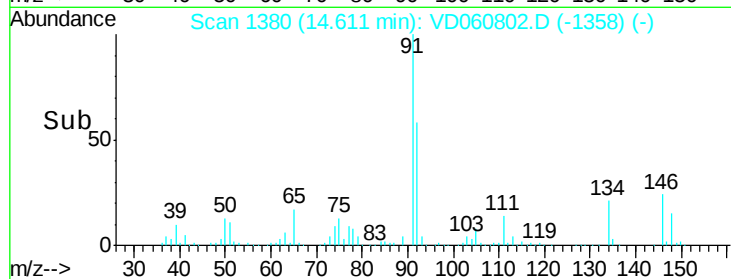
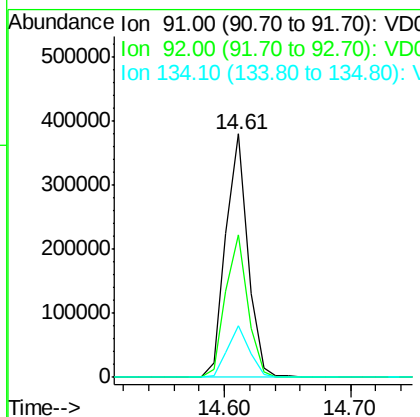
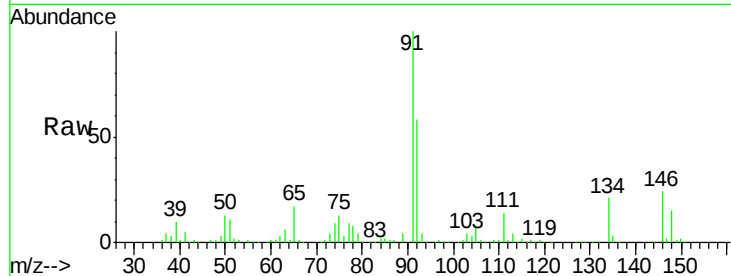
#89
n-Butylbenzene
Concen: 21.407 ug/l
RT: 14.61 min Scan# 1380
Delta R.T. 0.01 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.3	28.5	85.5
134	21.1	10.0	29.8

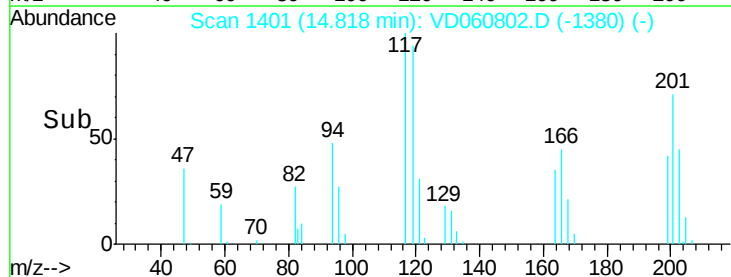
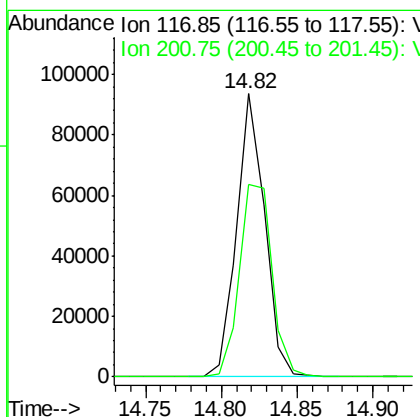
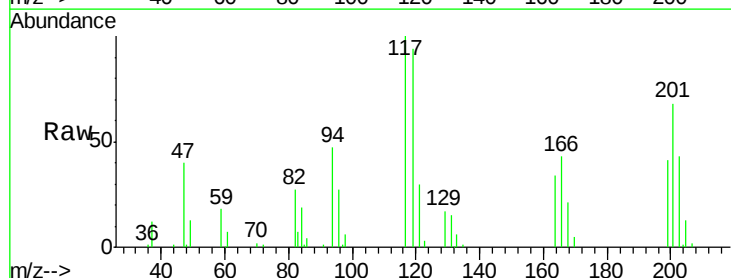
Manual Integrations
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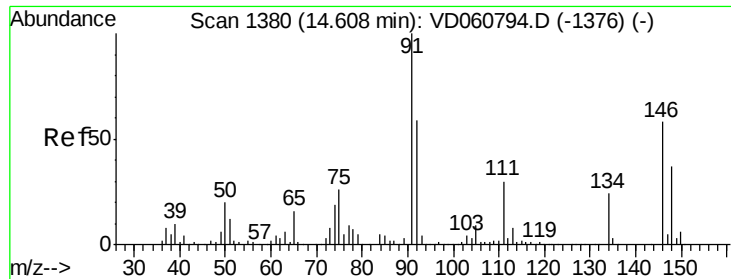
MMDadoda
2/1/2019 3:55:42 PM



#90
Hexachloroethane
Concen: 19.473 ug/l
RT: 14.82 min Scan# 1401
Delta R.T. 0.00 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.0	43.0	128.8





#91

1,2-Dichlorobenzene

Concen: 20.866 ug/l

RT: 14.62 min Scan# 1381

Delta R.T. 0.01 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

Tot Ion:146 Resp: 197759

Ion Ratio Lower Upper

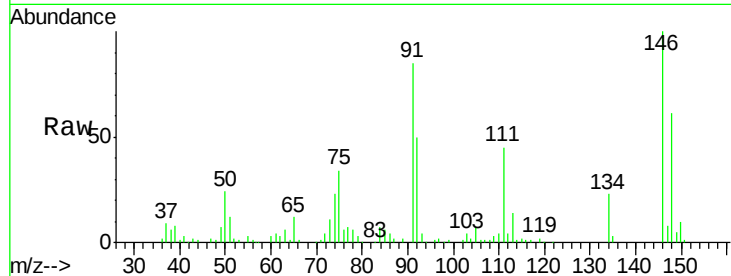
146 100

111 45.2 25.6 76.8

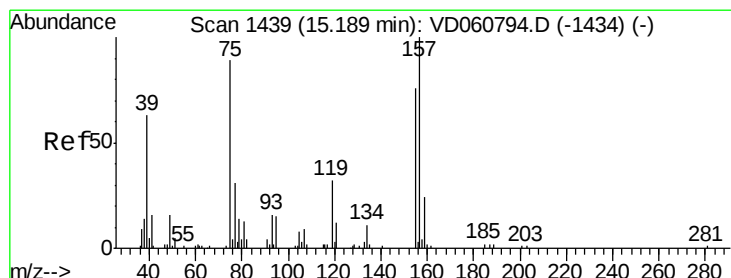
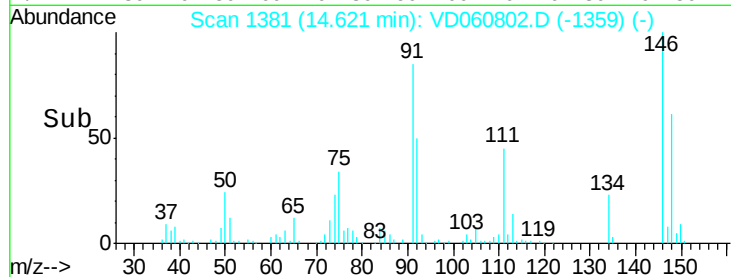
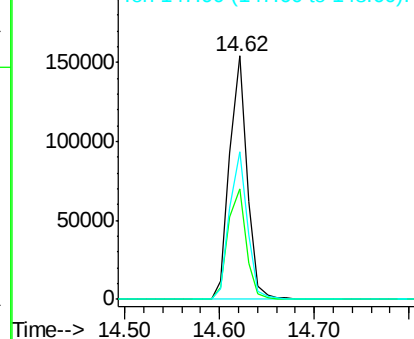
148 60.9 31.4 94.3

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Abundance Ion 145.95 (145.65 to 146.65): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.342 ug/l

RT: 15.19 min Scan# 1439

Delta R.T. 0.00 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

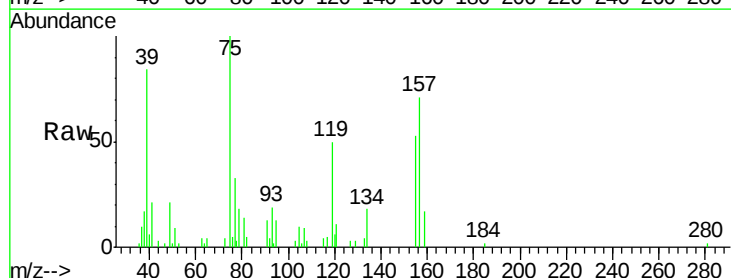
Tgt Ion: 75 Resp: 20779

Ion Ratio Lower Upper

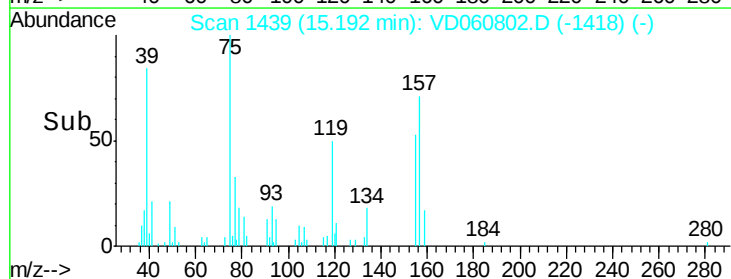
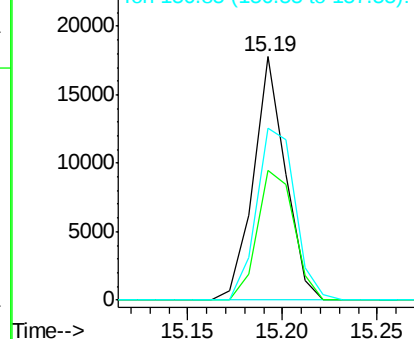
75 100

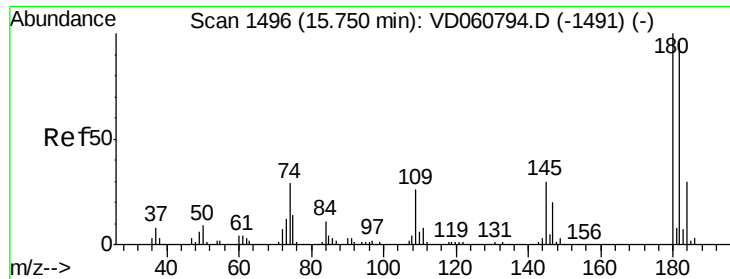
155 53.3 43.0 129.0

157 70.6 56.3 168.9



Abundance Ion 75.00 (74.70 to 75.70): V
Ion 154.90 (154.60 to 155.60): V
Ion 156.85 (156.55 to 157.55): V





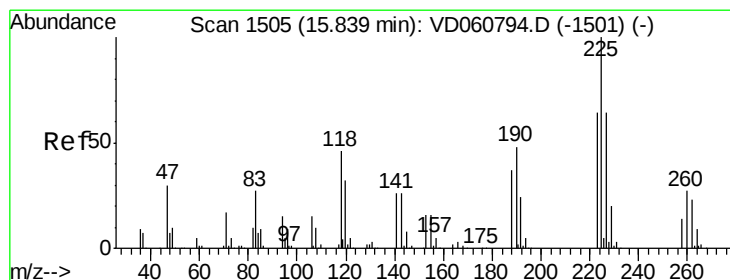
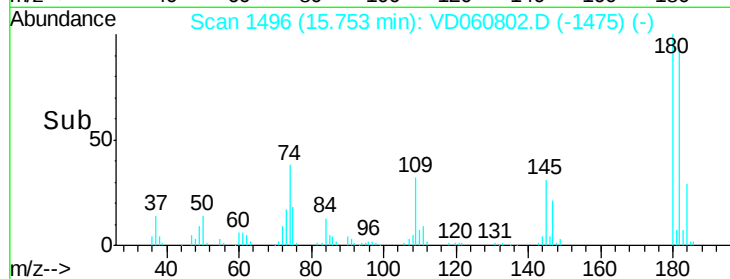
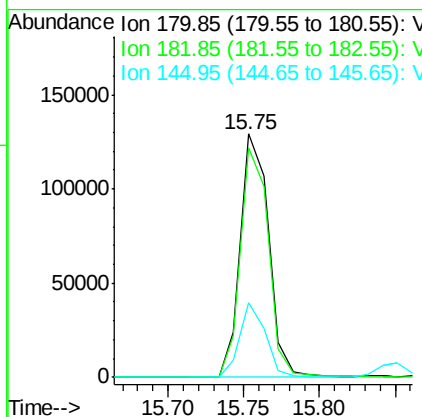
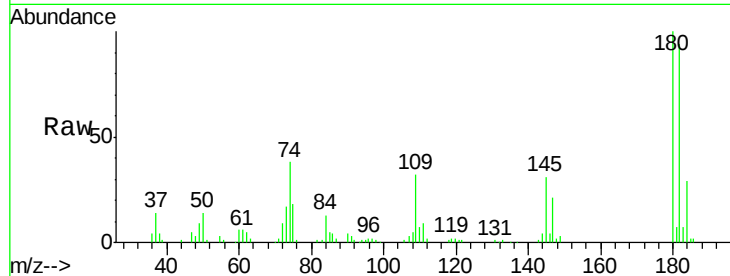
#93
 1,2,4-Trichlorobenzene
 Concen: 20.417 ug/l
 RT: 15.75 min Scan# 1496
 Delta R.T. 0.00 min
 Lab File: VD060802.D
 Acq: 30 Jan 2019 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS001

Tot Ion	Ratio	Resp	Lower	Upper
180	100	167553		
182	94.5	47.9	143.7	
145	30.5	15.0	45.1	

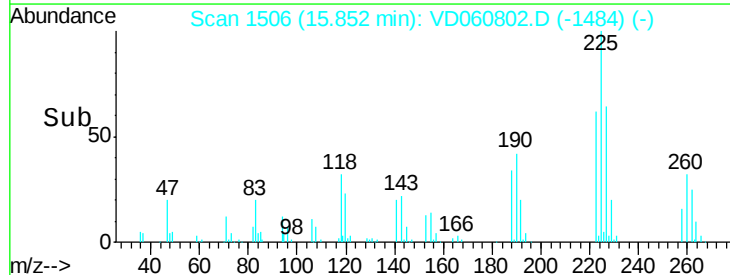
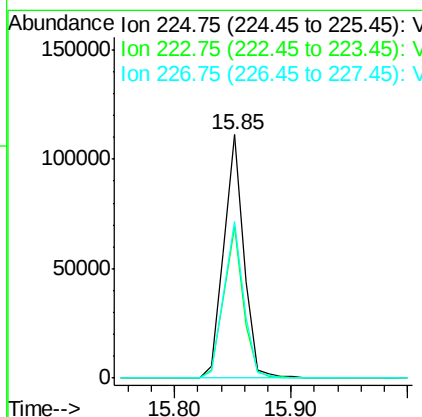
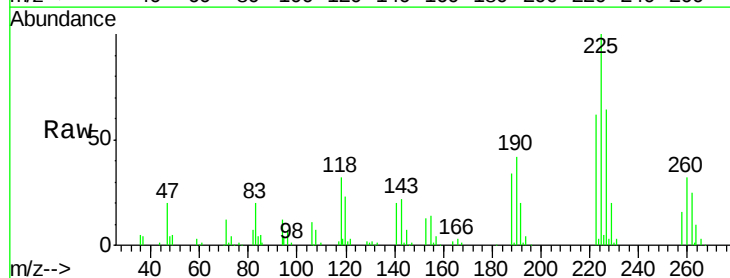
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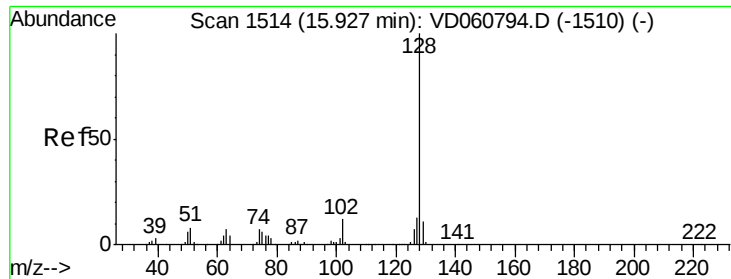
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#94
 Hexachlorobutadiene
 Concen: 21.563 ug/l
 RT: 15.85 min Scan# 1506
 Delta R.T. 0.01 min
 Lab File: VD060802.D
 Acq: 30 Jan 2019 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	132770		
223	62.0	31.8	95.4	
227	64.4	31.9	95.5	





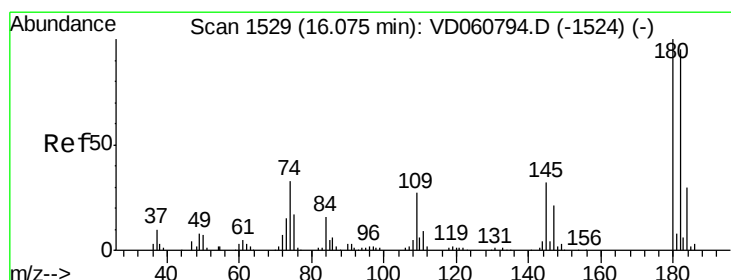
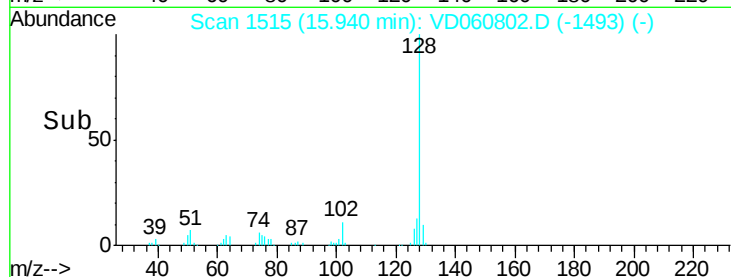
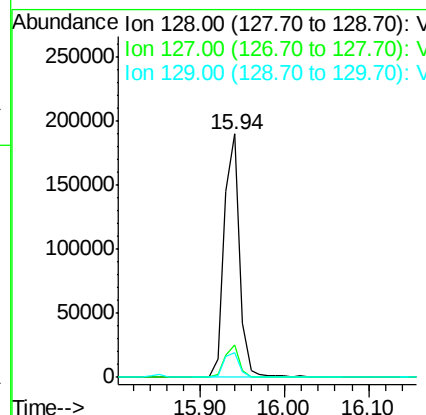
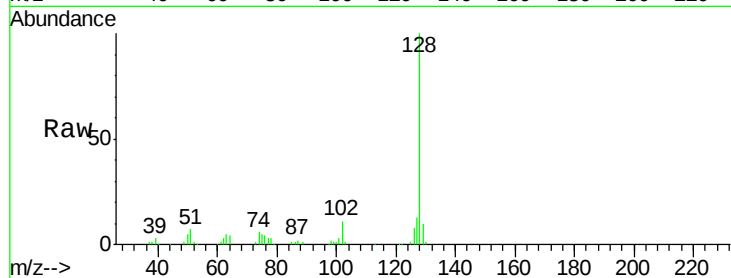
#95
Naphthalene
Concen: 19.086 ug/l
RT: 15.94 min Scan# 1515
Delta R.T. 0.01 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	240653		
127	13.2		10.4	15.6
129	10.1		8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 20.002 ug/l
RT: 16.09 min Scan# 1530
Delta R.T. 0.01 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	142735		
182	97.3		47.4	142.3
145	30.1		15.8	47.4

