

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012819\
 Data File : VD060794.D
 Acq On : 28 Jan 2019 16:39
 Operator : JC/SY
 Sample : VSTDICCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 1/29/2019 4:55:41 PM

Quant Time: Jan 29 13:44:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 29 12:47:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.79	168	581757	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.97	114	786921	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.16	117	638110	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.32	152	334223	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.22	65	420423	47.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.28%	
35) Dibromofluoromethane	6.67	113	386058	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
50) Toluene-d8	10.19	98	863869	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
62) 4-Bromofluorobenzene	13.36	95	431364	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.58	85	375147	53.038	ug/l	100
3) Chloromethane	1.76	50	206801	48.833	ug/l	100
4) Vinyl Chloride	1.84	62	240681	53.542	ug/l	100
5) Bromomethane	2.14	94	77698m	51.475	ug/l	
6) Chloroethane	2.24	64	92083	56.915	ug/l	100
7) Trichlorofluoromethane	2.49	101	483642	54.657	ug/l	100
8) Diethyl Ether	2.79	74	70232	53.864	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.06	101	232097	51.756	ug/l	100
10) Methyl Iodide	3.21	142	268194	57.123	ug/l	100
11) Tert butyl alcohol	3.93	59	113977	267.413	ug/l	100
12) 1,1-Dichloroethene	3.04	96	160830	52.483	ug/l	100
13) Acrolein	2.95	56	36519	211.045	ug/l	100
14) Allyl chloride	3.49	41	364226	51.073	ug/l	100
15) Acrylonitrile	4.04	53	255734	267.783	ug/l	100
16) Acetone	3.13	43	339463	264.534	ug/l	100
17) Carbon Disulfide	3.28	76	552400	50.889	ug/l	100
18) Methyl Acetate	3.51	43	140986	55.209	ug/l	100
19) Methyl tert-butyl Ether	4.07	73	781409	55.853	ug/l	100
20) Methylene Chloride	3.68	84	301906	45.978	ug/l	100
21) trans-1,2-Dichloroethene	4.06	96	283651	52.507	ug/l	100
22) Diisopropyl ether	4.88	45	961017	52.295	ug/l	100
23) Vinyl Acetate	4.83	43	2787673	263.416	ug/l	100
24) 1,1-Dichloroethane	4.76	63	625110	51.961	ug/l	100
25) 2-Butanone	5.84	43	451773	274.000	ug/l	100
26) 2,2-Dichloropropane	5.79	77	645669	50.936	ug/l	100
27) cis-1,2-Dichloroethene	5.80	96	307608	49.996	ug/l	100
28) Bromochloromethane	6.19	49	239056	50.938	ug/l	100
29) Tetrahydrofuran	6.23	42	220688	278.720	ug/l	100
30) Chloroform	6.42	83	743809	52.310	ug/l	100
31) Cyclohexane	6.71	56	439596	53.705	ug/l	100
32) 1,1,1-Trichloroethane	6.63	97	695428	50.787	ug/l	100
36) 1,1-Dichloropropene	6.90	75	504981	53.746	ug/l	100
37) Ethyl Acetate	5.94	43	216323	51.577	ug/l	100
38) Carbon Tetrachloride	6.87	117	646313	54.856	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.63	83	413948	52.609	ug/l	100
40) Benzene	7.22	78	970356	52.328	ug/l	100
41) Methacrylonitrile	6.21	41	139884m	50.720	ug/l	
42) 1,2-Dichloroethane	7.33	62	610797	56.698	ug/l	100
43) Isopropyl Acetate	9.01	43	308281	56.355	ug/l	100
44) Trichloroethene	8.30	130	334971	53.285	ug/l	100
45) 1,2-Dichloropropane	8.70	63	266933	53.176	ug/l	100
46) Dibromomethane	8.83	93	215673	55.345	ug/l	100
47) Bromodichloromethane	9.14	83	557322	52.985	ug/l	100
48) Methyl methacrylate	8.89	41	204794	54.290	ug/l	100
49) 1,4-Dioxane	8.85	88	36634	1252.601	ug/l	100
51) 4-Methyl-2-Pentanone	10.08	43	980400	276.753	ug/l	100
52) Toluene	10.29	92	632625	53.782	ug/l	100
53) t-1,3-Dichloropropene	10.69	75	487947	52.738	ug/l	100
54) cis-1,3-Dichloropropene	9.80	75	510651	53.822	ug/l	100
55) 1,1,2-Trichloroethane	10.98	97	227641	56.762	ug/l	100
56) Ethyl methacrylate	10.82	69	269171	55.405	ug/l	100
57) 1,3-Dichloropropane	11.19	76	379516	55.371	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.63	63	561911	220.436	ug/l	100
59) 2-Hexanone	11.32	43	728914	273.656	ug/l	100
60) Dibromochloromethane	11.47	129	417180	57.862	ug/l	100
61) 1,2-Dibromoethane	11.60	107	264615	56.026	ug/l	100
64) Tetrachloroethene	11.03	164	317722	54.253	ug/l	100
65) Chlorobenzene	12.19	112	783753	53.747	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.30	131	336405	53.696	ug/l	100
67) Ethyl Benzene	12.31	91	1363810	52.011	ug/l	100
68) m/p-Xylenes	12.46	106	880948	103.264	ug/l	100
69) o-Xylene	12.85	106	427023	50.574	ug/l	100
70) Styrene	12.87	104	712372	50.312	ug/l	100
71) Bromoform	13.03	173	268510	56.885	ug/l	100
73) Isopropylbenzene	13.20	105	1390064	52.164	ug/l	100
74) N-amyl acetate	13.06	43	444683	54.281	ug/l	100
75) 1,1,2,2-Tetrachloroethane	13.50	83	261587	53.913	ug/l	100
76) 1,2,3-Trichloropropane	13.54	75	330277	53.889	ug/l	100
77) Bromobenzene	13.47	156	342442	49.991	ug/l	100
78) n-propylbenzene	13.57	91	1663329	49.722	ug/l	100
79) 2-Chlorotoluene	13.64	91	1002866	49.151	ug/l	100
80) 1,3,5-Trimethylbenzene	14.04	105	1109873	48.380	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.27	75	87487	54.753	ug/l	100
82) 4-Chlorotoluene	13.75	91	1193314	52.622	ug/l	100
83) tert-Butylbenzene	13.99	119	1182250	49.258	ug/l	100
84) 1,2,4-Trimethylbenzene	14.04	105	1109873	48.380	ug/l	100
85) sec-Butylbenzene	14.17	105	1369963	50.143	ug/l	100
86) p-Isopropyltoluene	14.29	119	1161523	52.364	ug/l	100
87) 1,3-Dichlorobenzene	14.25	146	614972	50.193	ug/l	100
88) 1,4-Dichlorobenzene	14.34	146	629993	52.921	ug/l	100
89) n-Butylbenzene	14.60	91	1195092	51.639	ug/l	100
90) Hexachloroethane	14.81	117	342083	51.824	ug/l	100
91) 1,2-Dichlorobenzene	14.61	146	517053	50.842	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	15.19	75	59821	51.895	ug/l	100

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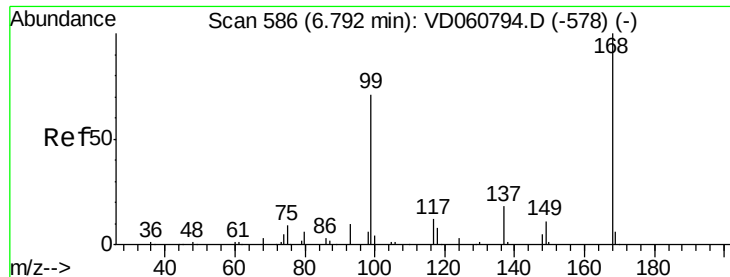
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	443751	50.393	ug/l	100
94) Hexachlorobutadiene	15.84	225	360653	54.586	ug/l	100
95) Naphthalene	15.93	128	722538	53.404	ug/l	100
96) 1,2,3-Trichlorobenzene	16.07	180	391698	51.155	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.79 min Scan# 586

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 581757

Ion Ratio Lower Upper

168 100

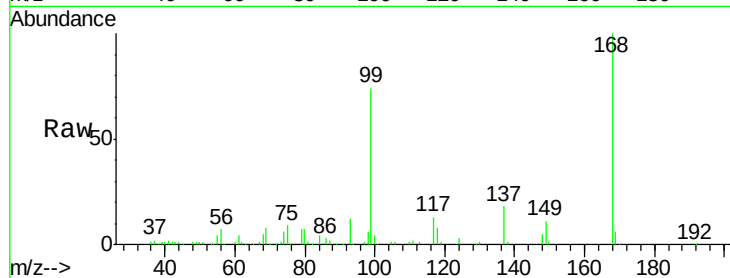
99 74.0 59.2 88.8

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

6.79

200000

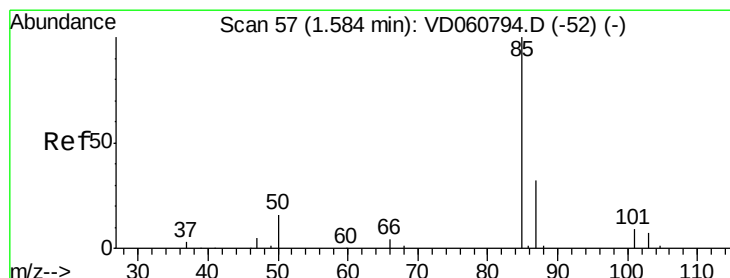
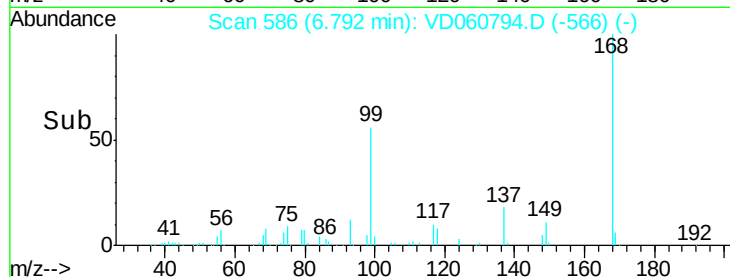
150000

100000

50000

0

Time--> 6.60 6.70 6.80 6.90 7.00



#2

Dichlorodifluoromethane

Concen: 53.038 ug/l

RT: 1.58 min Scan# 57

Delta R.T. 0.00 min

Lab File: VD060794.D

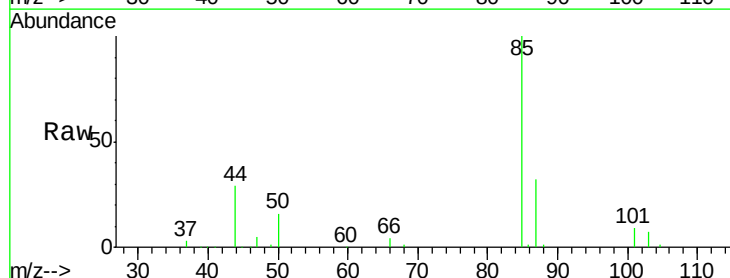
Acq: 28 Jan 2019 16:39

Tgt Ion: 85 Resp: 375147

Ion Ratio Lower Upper

85 100

87 32.3 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

120000

100000

80000

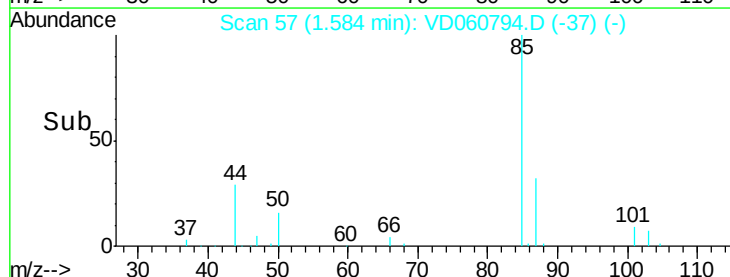
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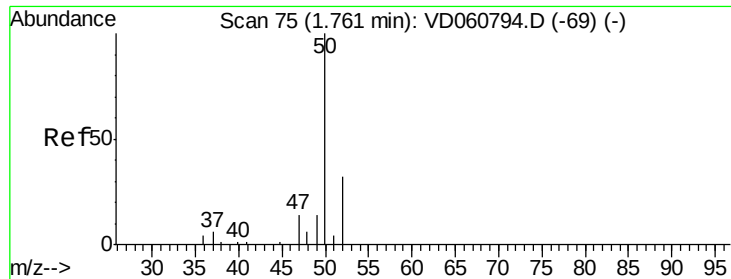
40000

20000

0

Time--> 1.50 1.60 1.70 1.80





#3

Chloromethane

Concen: 48.833 ug/l

RT: 1.76 min Scan# 75

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 206801

Ion Ratio Lower Upper

50 100

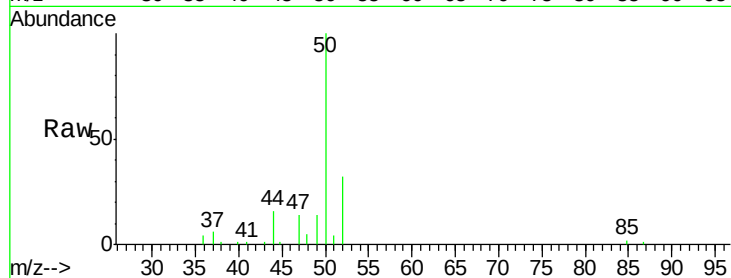
52 31.5 25.2 37.8

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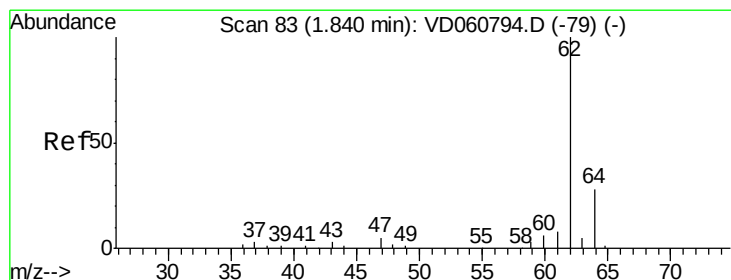
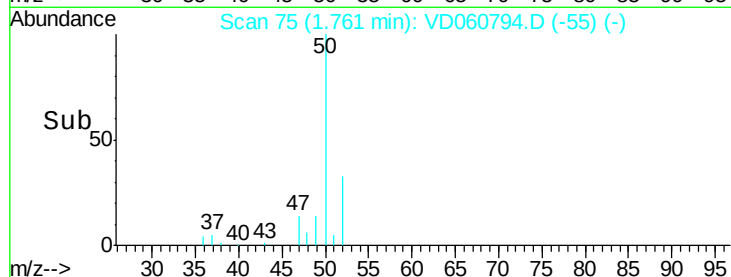
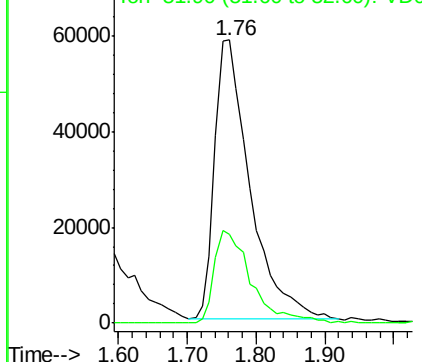
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 53.542 ug/l

RT: 1.84 min Scan# 83

Delta R.T. 0.00 min

Lab File: VD060794.D

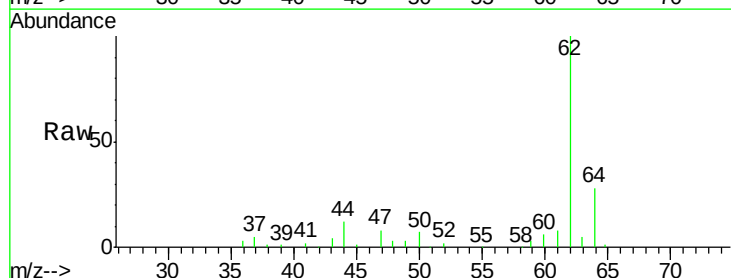
Acq: 28 Jan 2019 16:39

Tgt Ion: 62 Resp: 240681

Ion Ratio Lower Upper

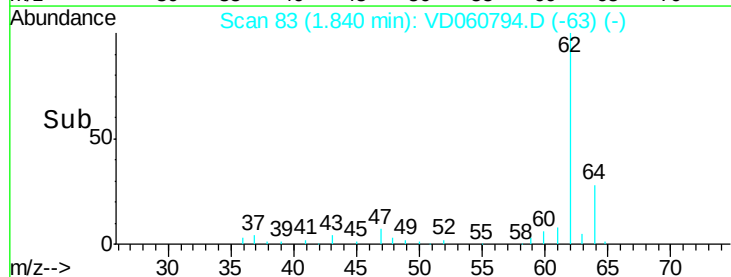
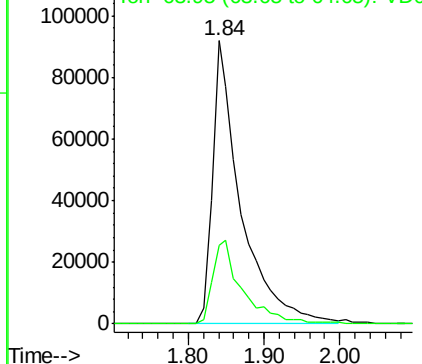
62 100

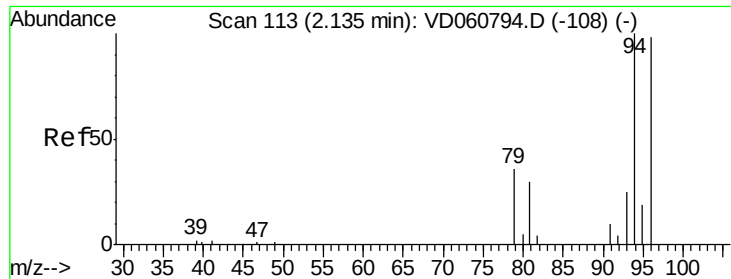
64 27.6 22.1 33.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 51.475 ug/l m

RT: 2.14 min Scan# 113

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 77698

Ion Ratio Lower Upper

94 100

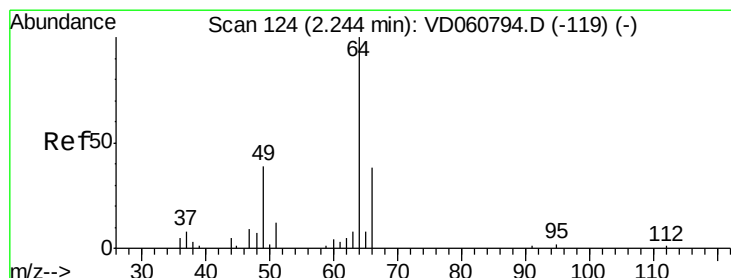
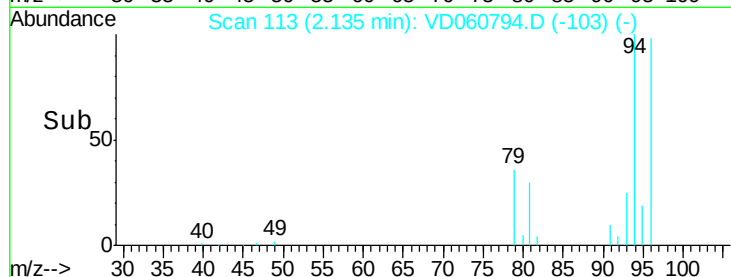
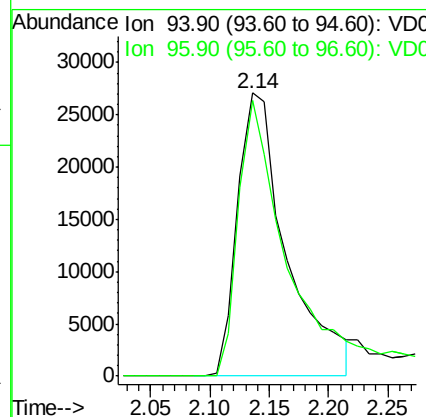
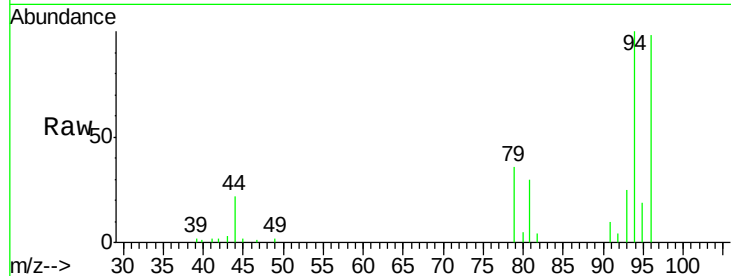
96 97.5 78.0 117.0

Manual Integrations

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#6

Chloroethane

Concen: 56.915 ug/l

RT: 2.24 min Scan# 124

Delta R.T. 0.00 min

Lab File: VD060794.D

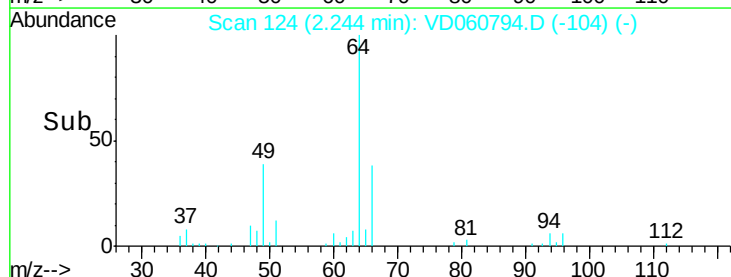
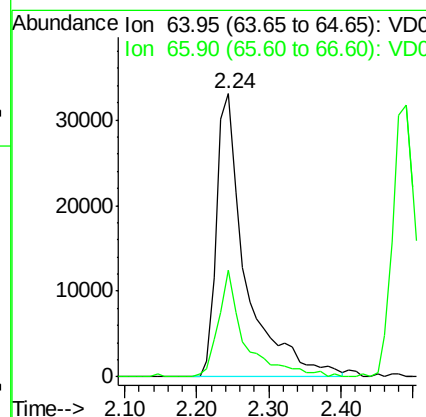
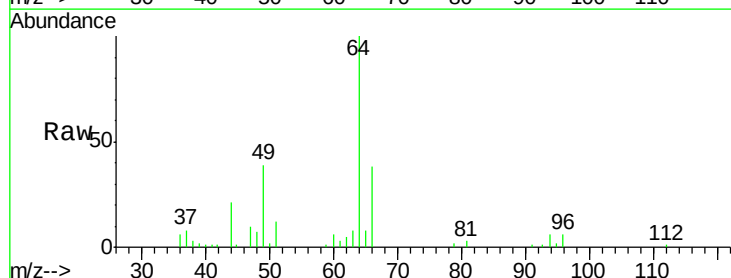
Acq: 28 Jan 2019 16:39

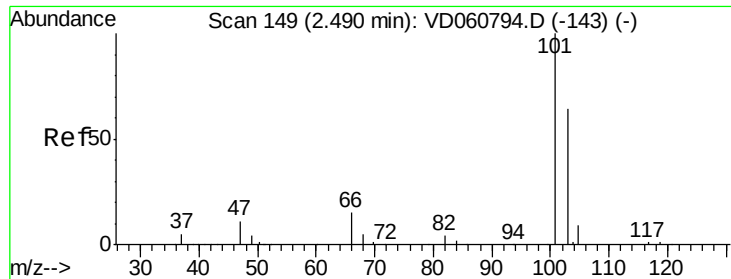
Tgt Ion: 64 Resp: 92083

Ion Ratio Lower Upper

64 100

66 37.8 30.2 45.4





#7

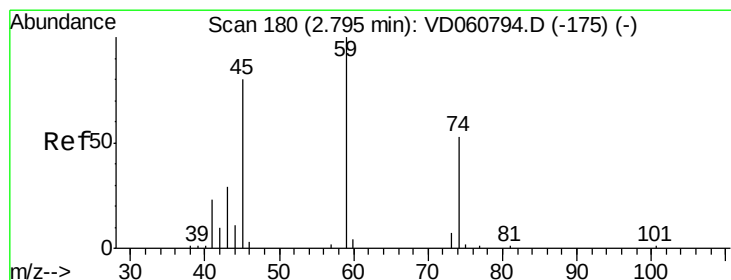
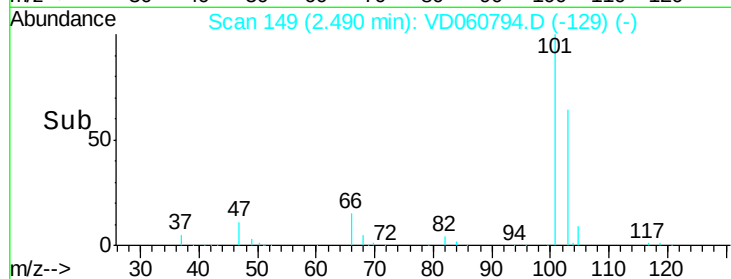
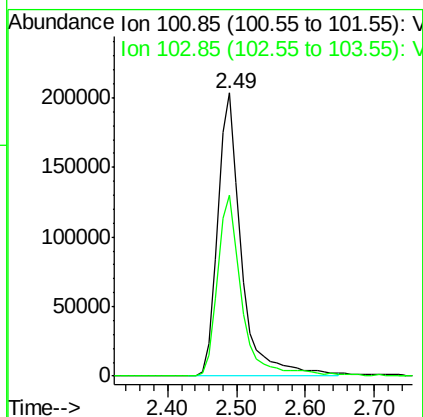
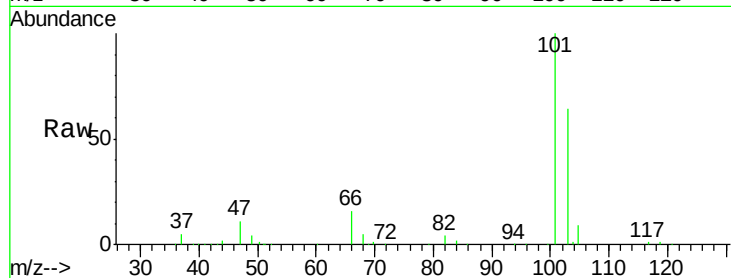
Trichlorofluoromethane
Concen: 54.657 ug/l
RT: 2.49 min Scan# 149
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

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ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.3	76.9

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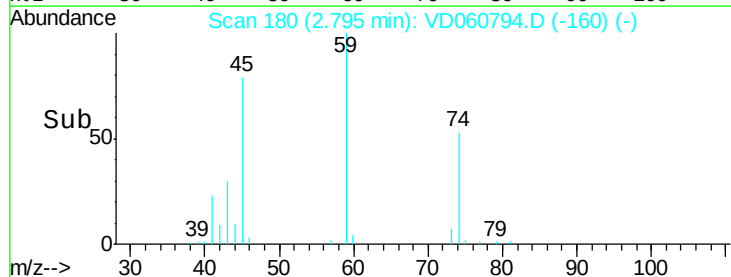
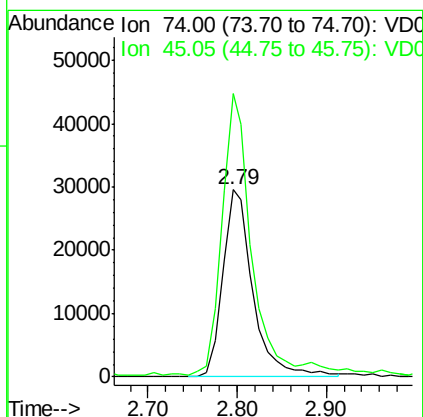
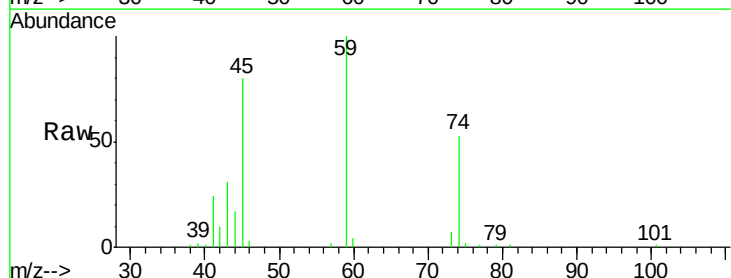
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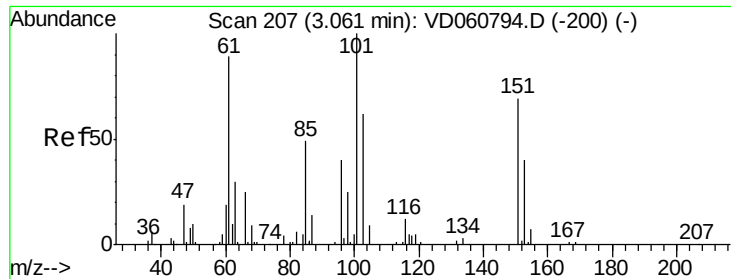


#8

Diethyl Ether
Concen: 53.864 ug/l
RT: 2.79 min Scan# 180
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	151.2	75.6	226.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.756 ug/l

RT: 3.06 min Scan# 207

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

Instrument :

MSVOA_D

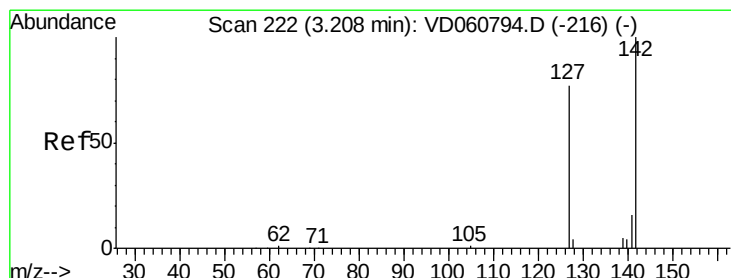
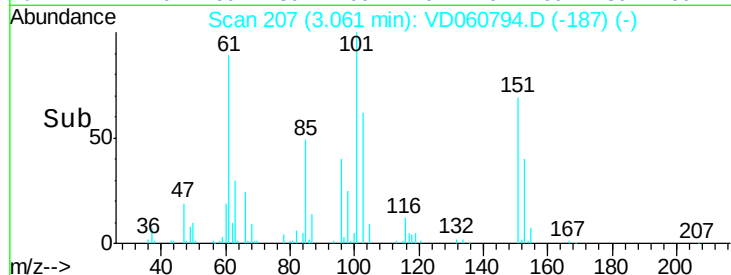
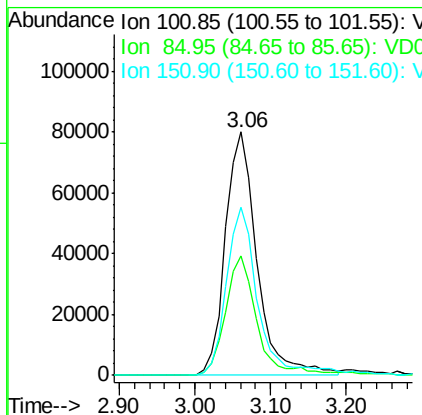
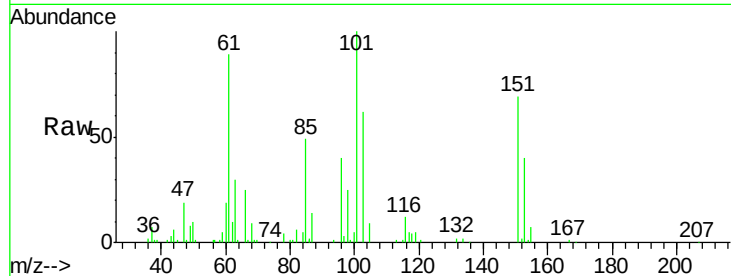
ClientSampled :

VSTDICCC050

Tot Ion:	101	Resp:	232097
Ion Ratio	Lower	Upper	
101	100		
85	49.1	39.3	58.9
151	68.9	55.1	82.7

Manual Integrations
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MMDadoda
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#10

Methyl Iodide

Concen: 57.123 ug/l

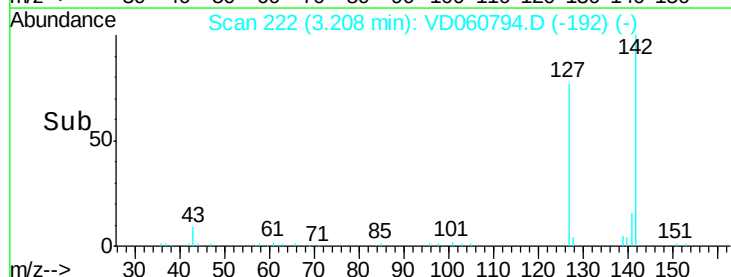
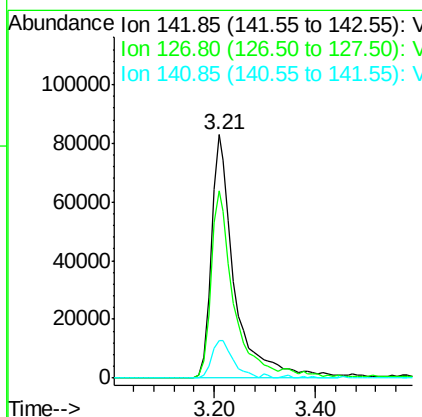
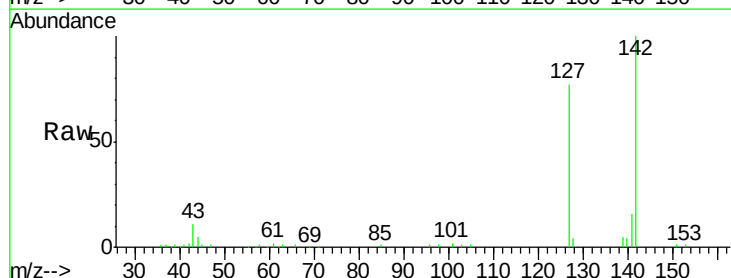
RT: 3.21 min Scan# 222

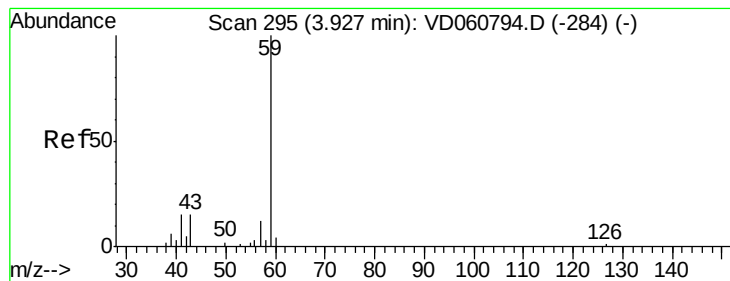
Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

Tgt Ion:	142	Resp:	268194
Ion Ratio	Lower	Upper	
142	100		
127	77.0	61.6	92.4
141	15.6	12.5	18.7





#11

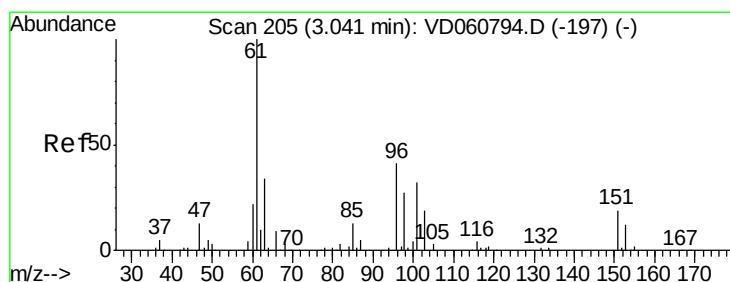
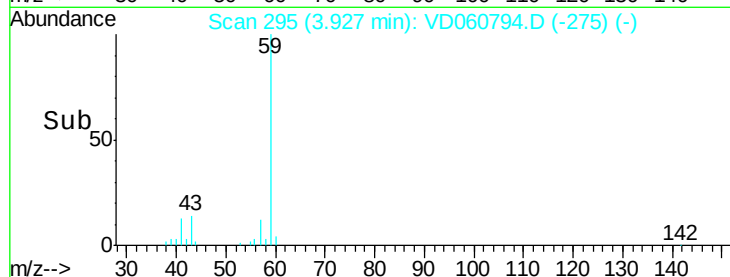
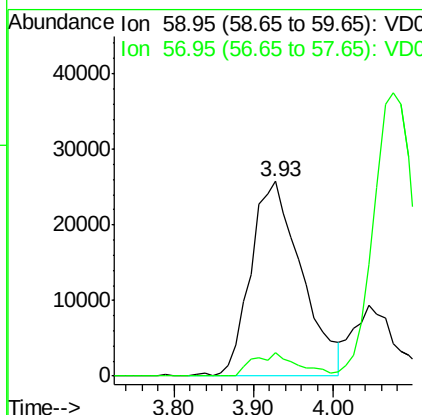
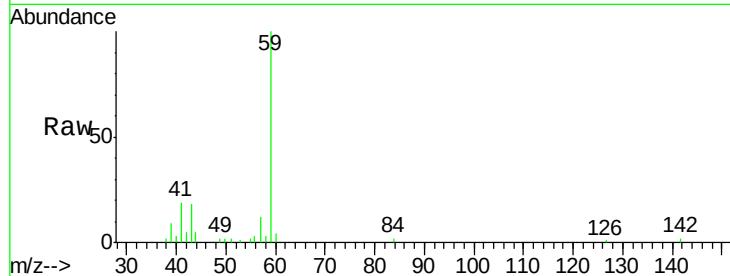
Tert butyl alcohol
Concen: 267.413 ug/l
RT: 3.93 min Scan# 295
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	59	57	Ratio	100	12.2	Resp:	113977	Lower	9.8	Upper	14.6
Ion	59	57	Ratio	100	12.2	Resp:	113977	Lower	9.8	Upper	14.6

Manual Integrations
APPROVED

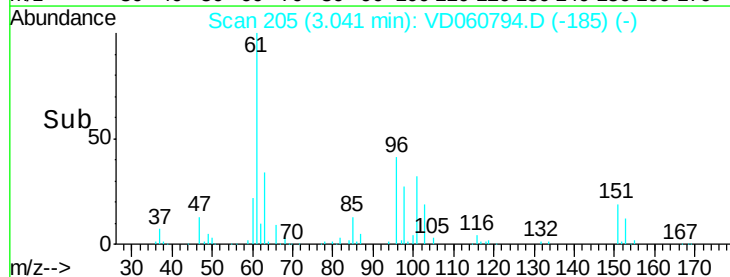
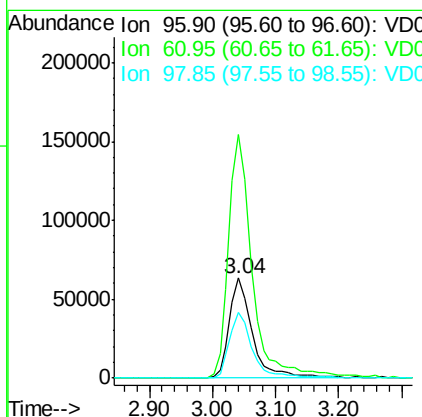
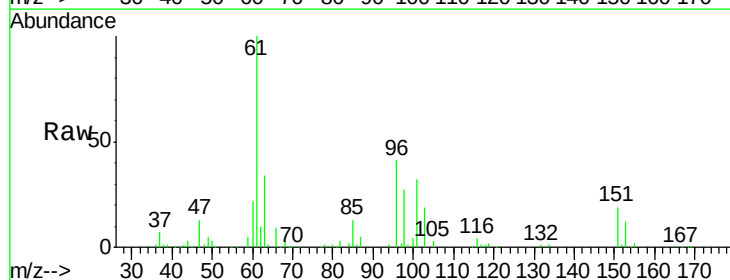
MMDadoda
1/29/2019 4:55:41 PM

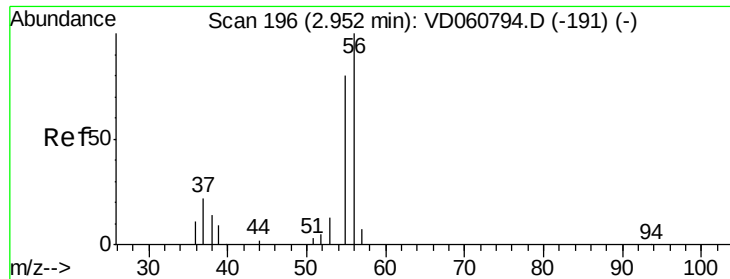


#12

1,1-Dichloroethene
Concen: 52.483 ug/l
RT: 3.04 min Scan# 205
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Tgt Ion	96	61	98	Ratio	100	243.9	65.6	Resp:	160830	Lower	195.1	52.5	Upper	292.7	78.7
Ion	96	61	98	Ratio	100	243.9	65.6	Resp:	160830	Lower	195.1	52.5	Upper	292.7	78.7





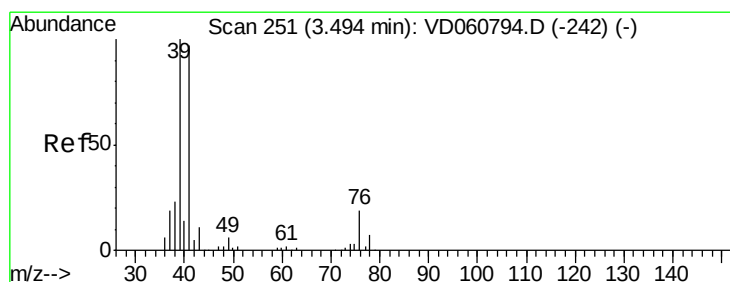
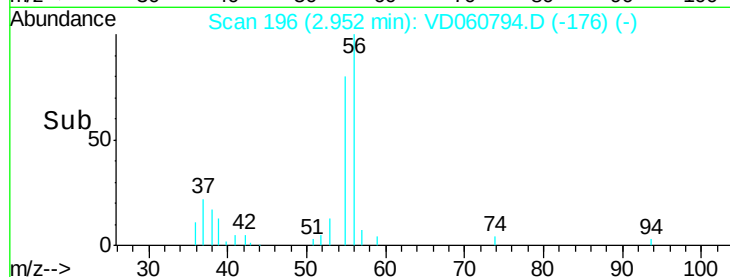
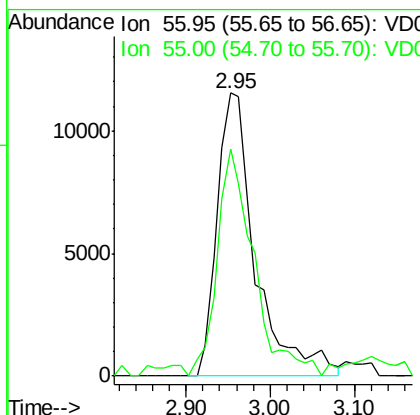
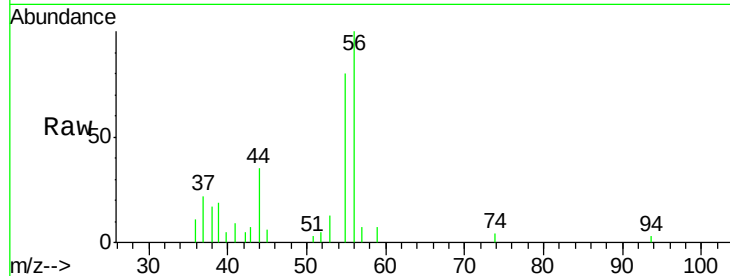
#13
Acrolein
Concen: 211.045 ug/l
RT: 2.95 min Scan# 196
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	56	Resp	36519
Ion Ratio	100	Lower	Upper
55	80.2	64.2	96.2

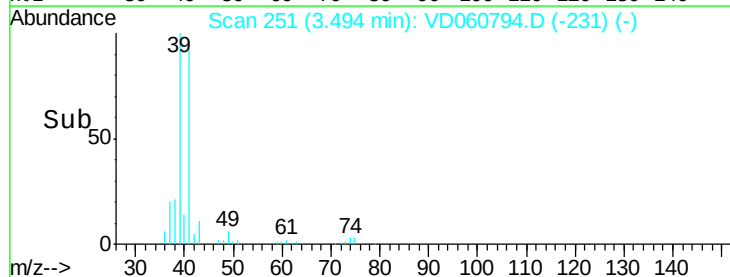
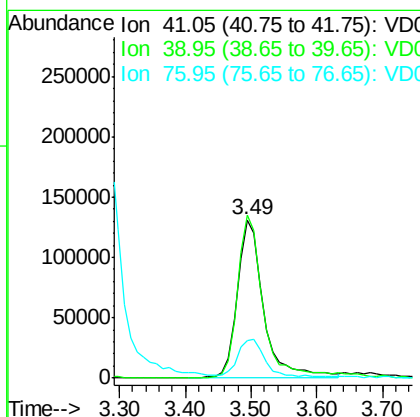
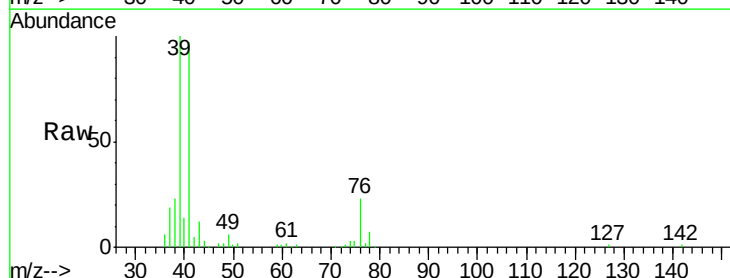
Manual Integrations
APPROVED

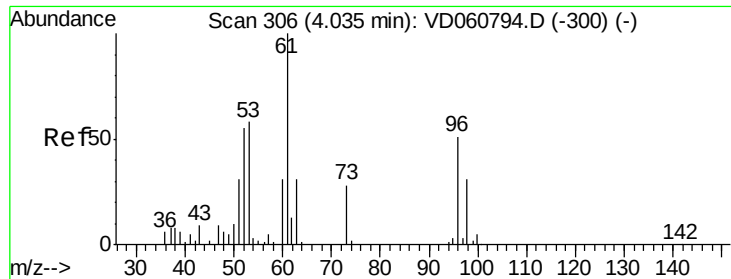
MMDadoda
1/29/2019 4:55:41 PM



#14
Allyl chloride
Concen: 51.073 ug/l
RT: 3.49 min Scan# 251
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Tgt Ion	41	Resp	364226
Ion Ratio	100	Lower	Upper
39	103.2	82.6	123.8
76	23.6	18.9	28.3





#15

Acrylonitrile

Concen: 267.783 ug/l

RT: 4.04 min Scan# 306

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

Instrument :

MSVOA_D

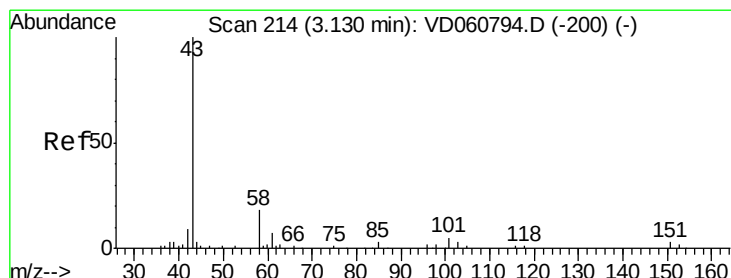
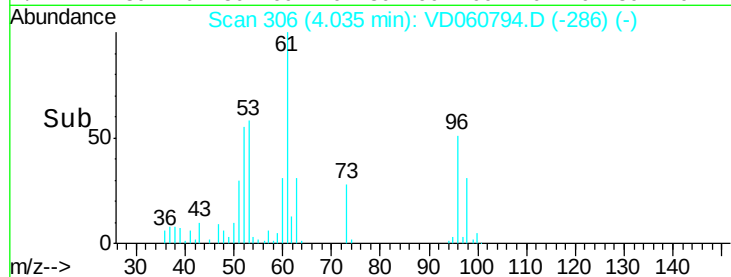
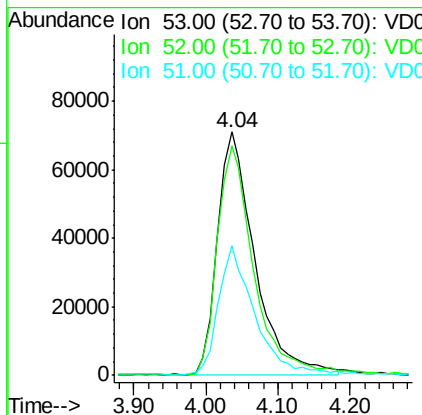
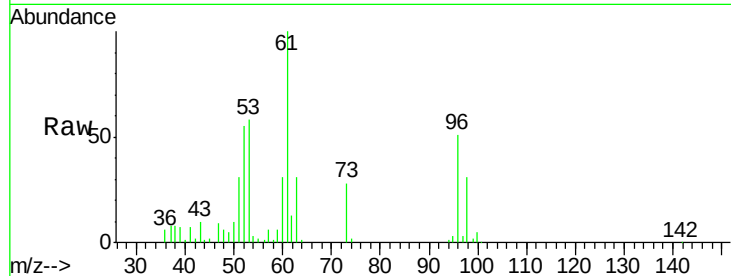
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	255734
Ion Ratio	Lower	Upper	
53	100		
52	94.3	75.4	113.2
51	53.1	42.5	63.7

Manual Integrations
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1/29/2019 4:55:41 PM



#16

Acetone

Concen: 264.534 ug/l

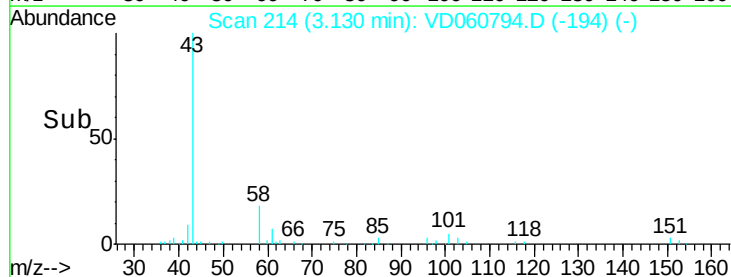
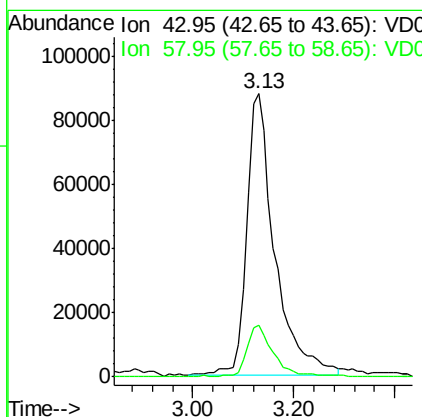
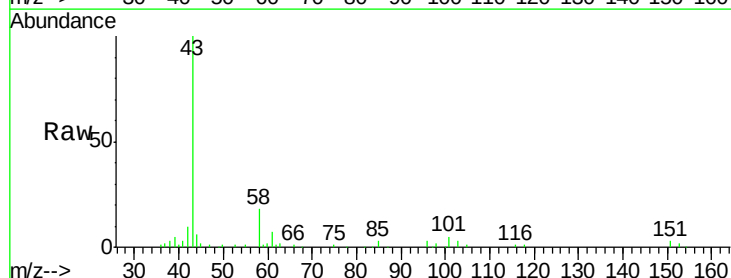
RT: 3.13 min Scan# 214

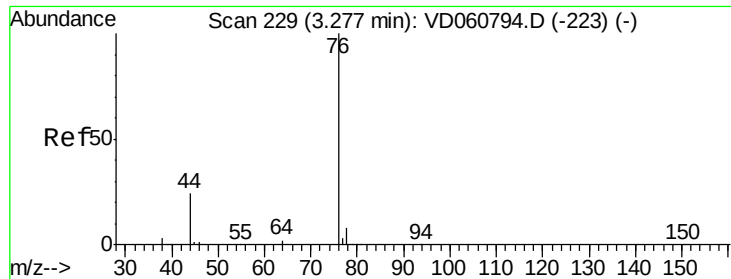
Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

Tgt Ion:	43	Resp:	339463
Ion Ratio	Lower	Upper	
43	100		
58	18.1	14.5	21.7





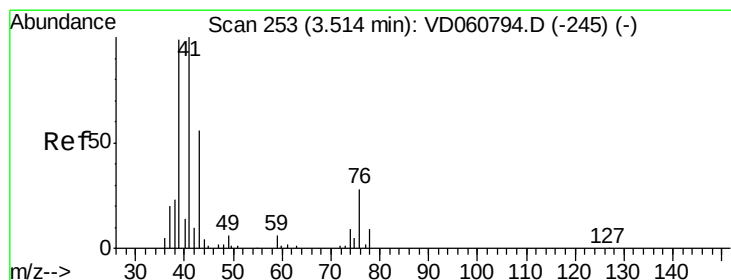
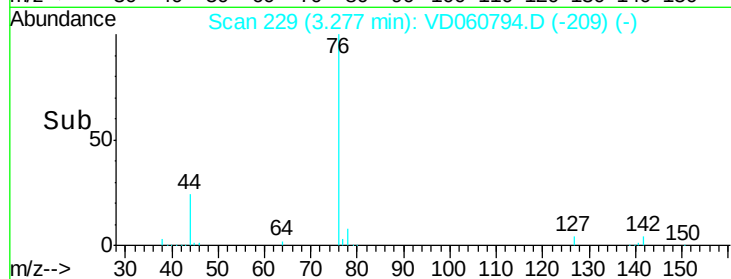
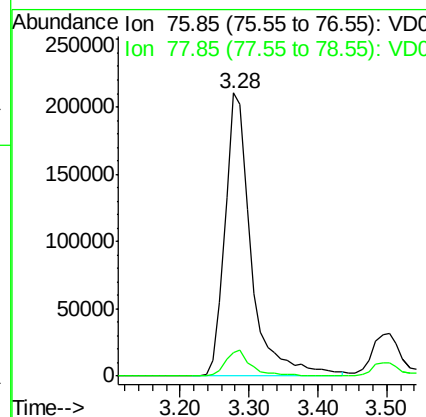
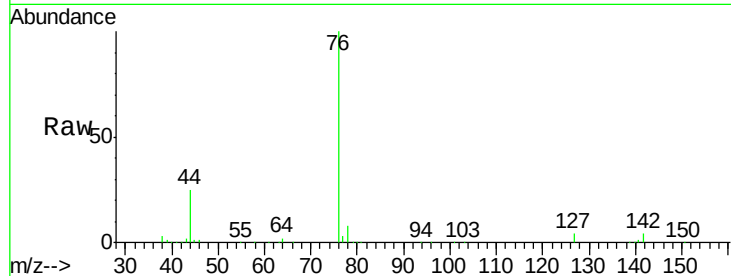
#17
Carbon Disulfide
Concen: 50.889 ug/l
RT: 3.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.1	6.5	9.7

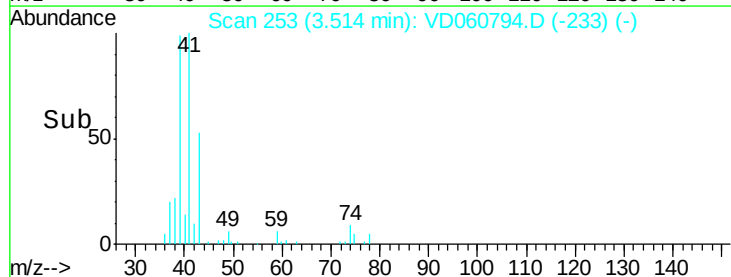
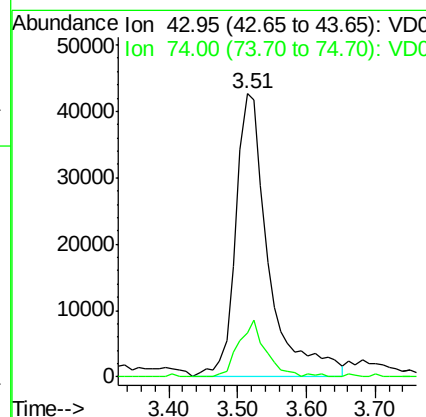
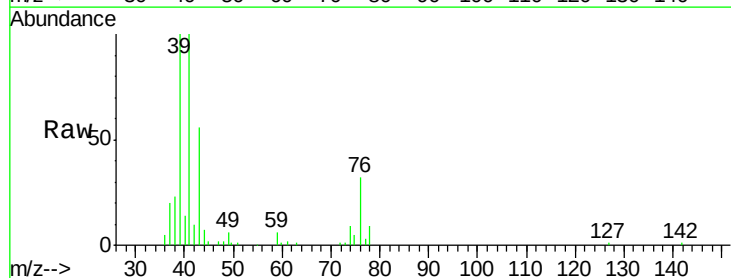
Manual Integrations
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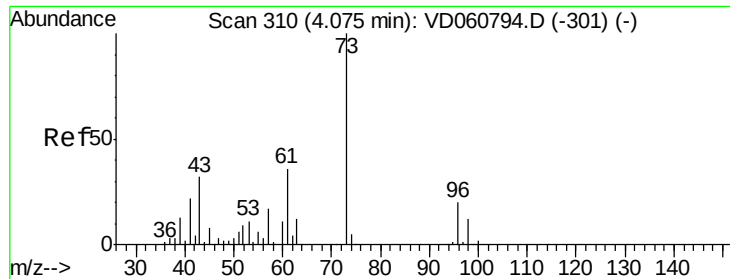
MMDadoda
1/29/2019 4:55:41 PM



#18
Methyl Acetate
Concen: 55.209 ug/l
RT: 3.51 min Scan# 253
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Tgt Ion	Ratio	Lower	Upper
43	100		
74	15.6	12.5	18.7





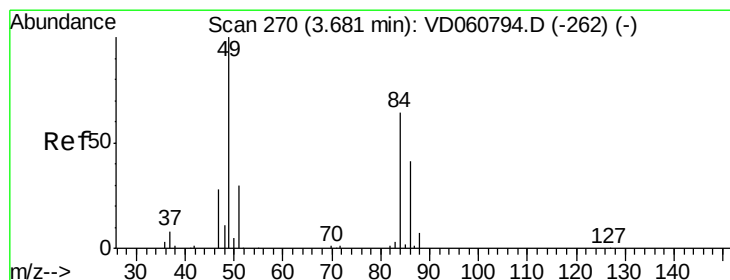
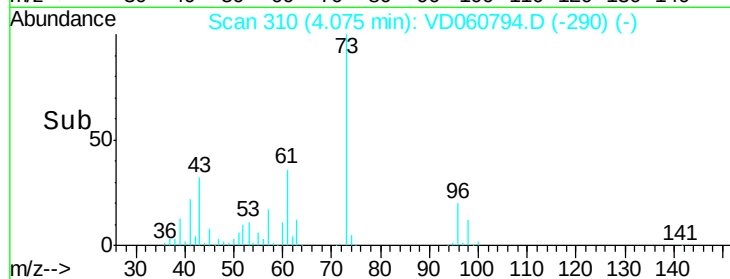
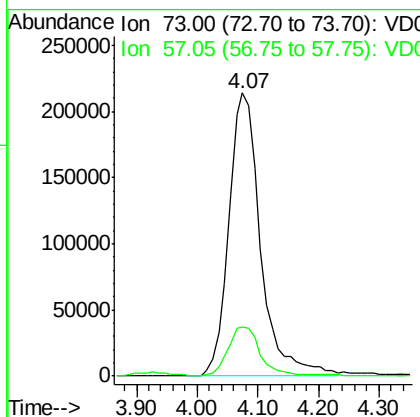
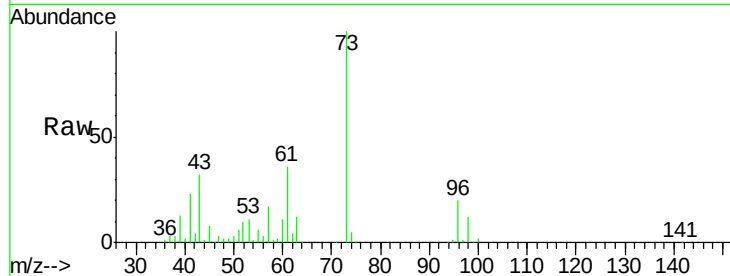
#19
Methyl tert-butyl Ether
Concen: 55.853 ug/l
RT: 4.07 min Scan# 310
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 781409
Ion Ratio Lower Upper
73 100
57 17.5 14.0 21.0

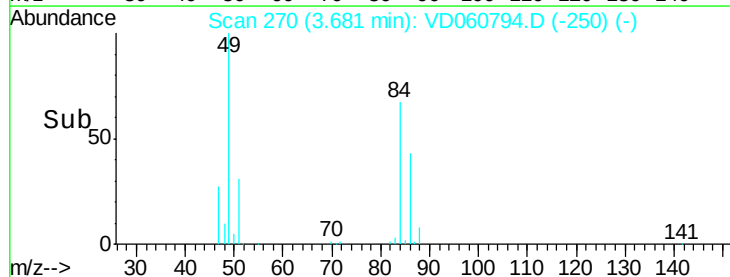
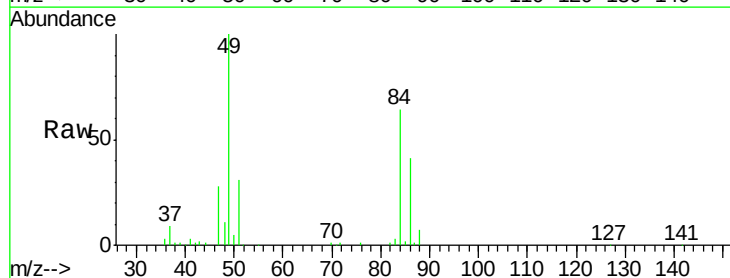
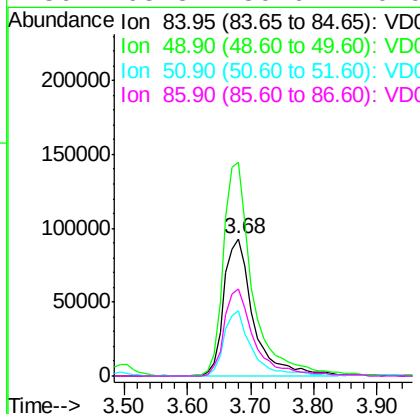
Manual Integrations
APPROVED

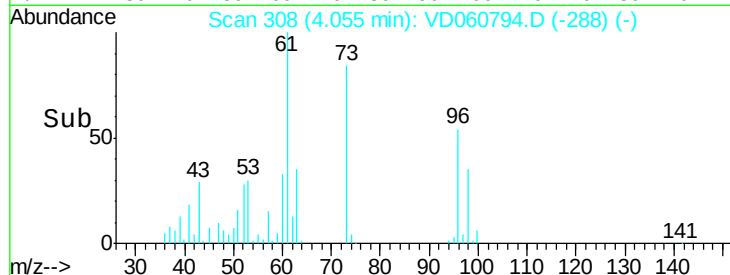
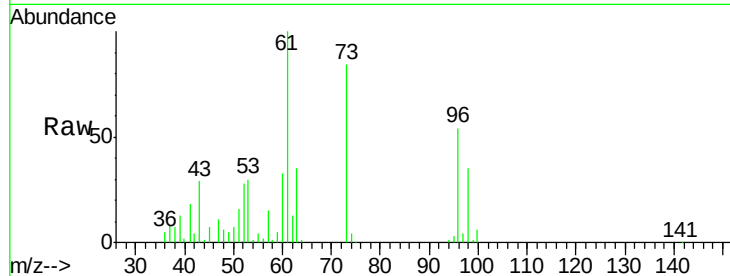
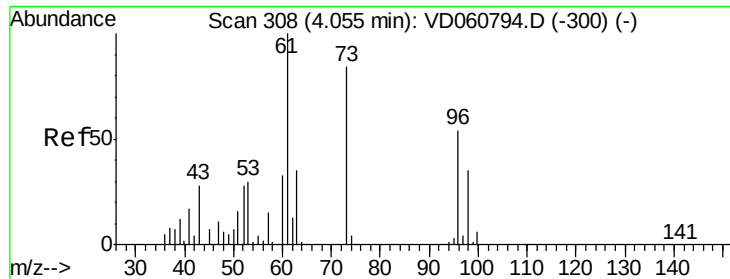
MMDadoda
1/29/2019 4:55:41 PM



#20
Methylene Chloride
Concen: 45.978 ug/l
RT: 3.68 min Scan# 270
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Tgt Ion: 84 Resp: 301906
Ion Ratio Lower Upper
84 100
49 155.2 124.2 186.2
51 47.6 38.1 57.1
86 63.3 50.6 76.0





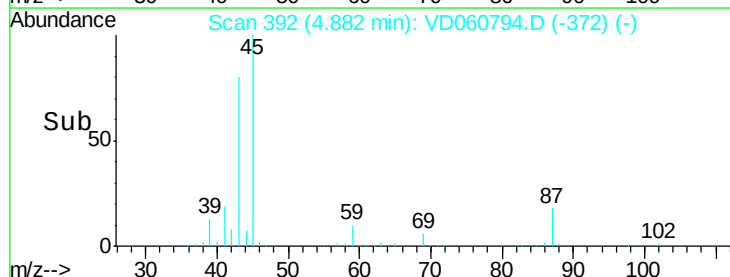
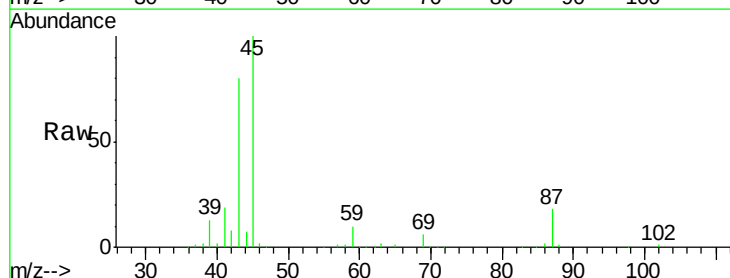
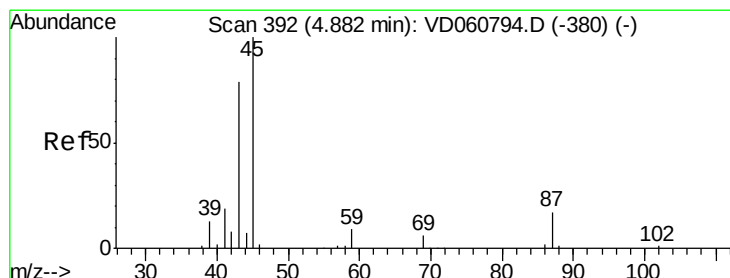
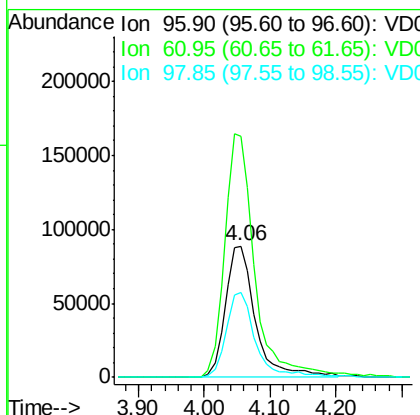
#21
trans-1,2-Dichloroethene
Concen: 52.507 ug/l
RT: 4.06 min Scan# 308
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Tot Ion	Ratio	Lower	Upper
96	100		
61	184.3	147.4	221.2
98	64.4	51.5	77.3

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

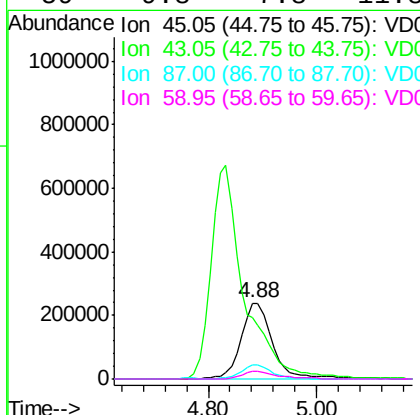
Manual Integrations
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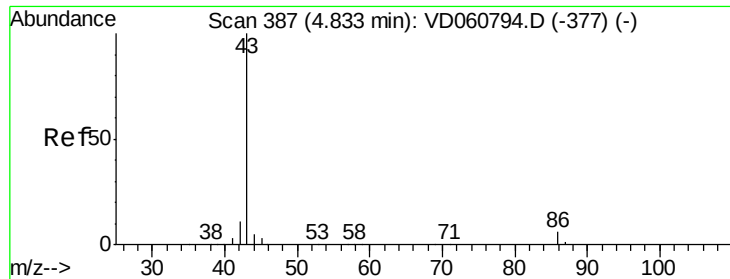
MMDadoda
1/29/2019 4:55:41 PM



#22
Diisopropyl ether
Concen: 52.295 ug/l
RT: 4.88 min Scan# 392
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Tgt Ion	Ratio	Lower	Upper
45	100		
43	80.4	64.3	96.5
87	17.9	14.3	21.5
59	9.8	7.8	11.8





#23

Vinyl Acetate

Concen: 263.416 ug/l

RT: 4.83 min Scan# 387

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

Tot Ion: 43 Resp: 2787673

Ion Ratio Lower Upper

43 100

86 5.9 4.7 7.1

Instrument :

MSVOA_D

ClientSampleId :

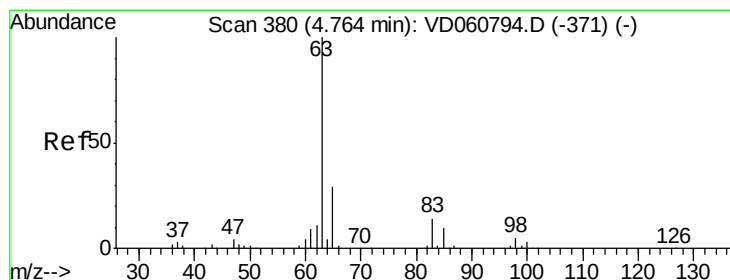
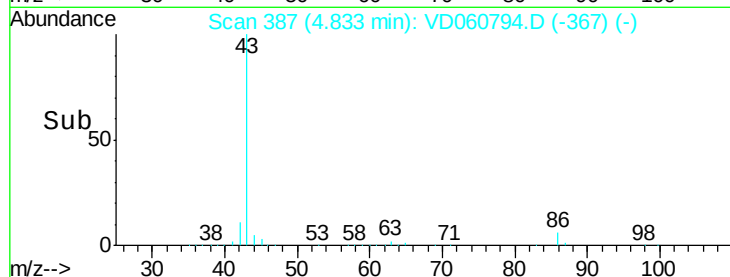
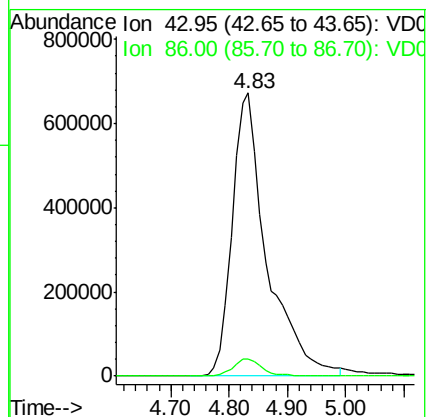
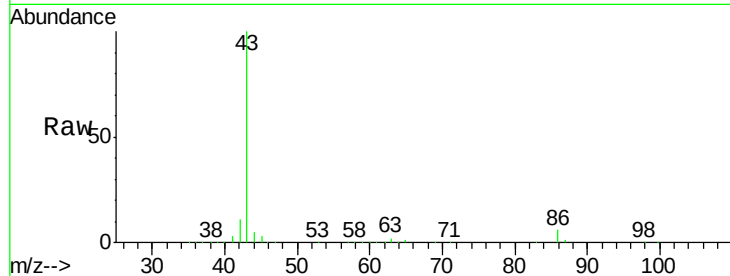
VSTDICCC050

Manual Integrations

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1/29/2019 4:55:41 PM



#24

1,1-Dichloroethane

Concen: 51.961 ug/l

RT: 4.76 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

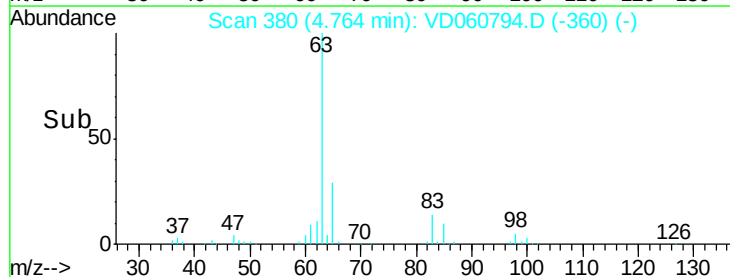
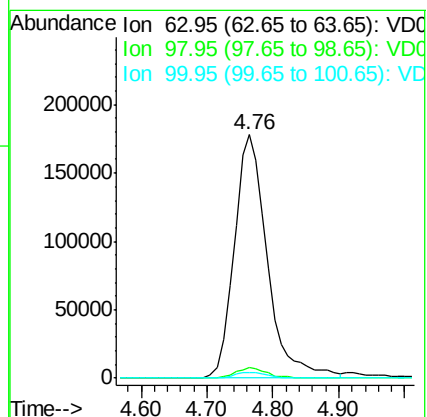
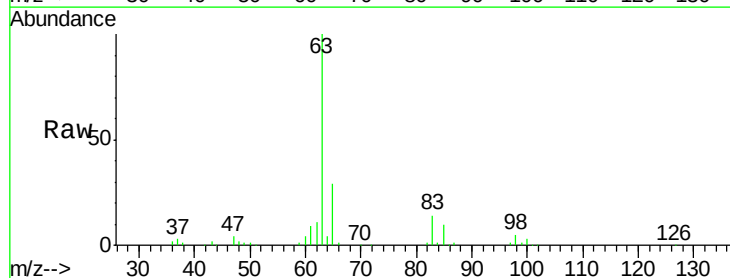
Tgt Ion: 63 Resp: 625110

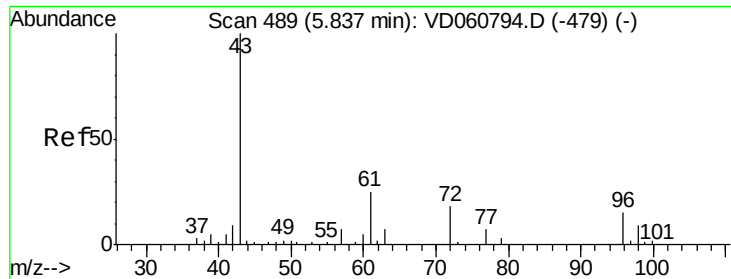
Ion Ratio Lower Upper

63 100

98 4.6 2.3 6.9

100 2.5 1.3 3.8





#25

2-Butanone

Concen: 274.000 ug/l

RT: 5.84 min Scan# 489

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 451773

Ion Ratio Lower Upper

43 100

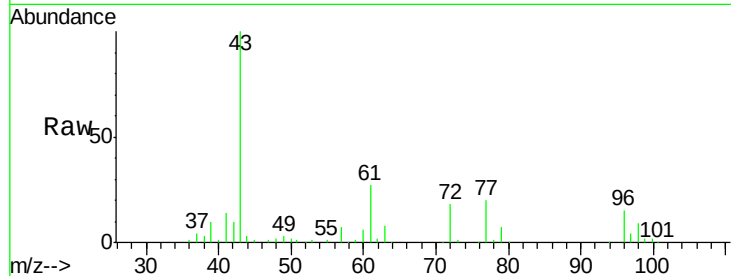
72 18.0 14.4 21.6

Manual Integrations

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MMDadoda

1/29/2019 4:55:41 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

150000

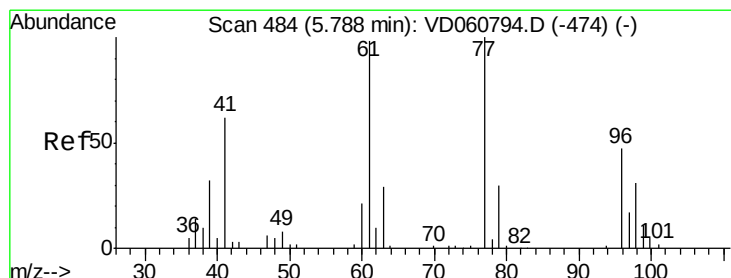
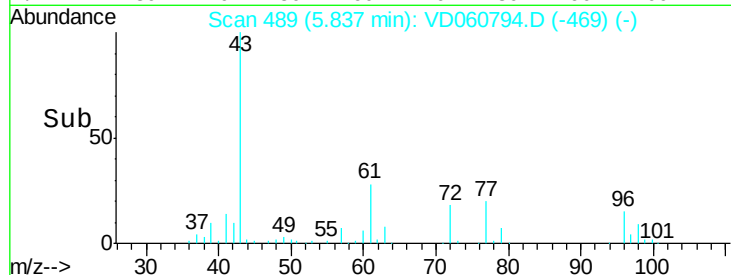
100000

50000

0

5.70 5.80 5.90

Time-->



#26

2,2-Dichloropropane

Concen: 50.936 ug/l

RT: 5.79 min Scan# 484

Delta R.T. 0.00 min

Lab File: VD060794.D

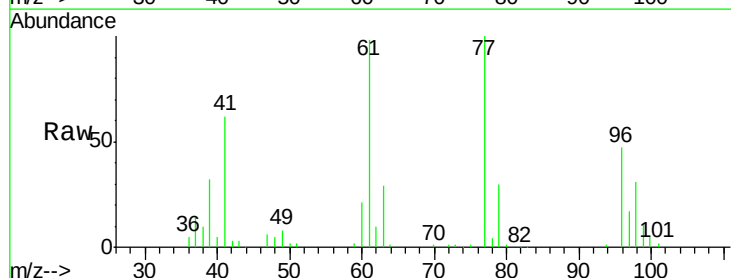
Acq: 28 Jan 2019 16:39

Tgt Ion: 77 Resp: 645669

Ion Ratio Lower Upper

77 100

97 16.6 8.3 24.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

200000

150000

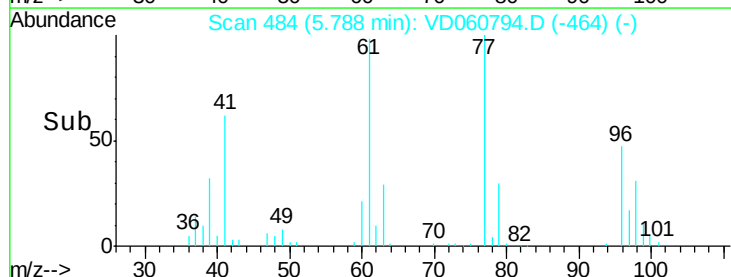
100000

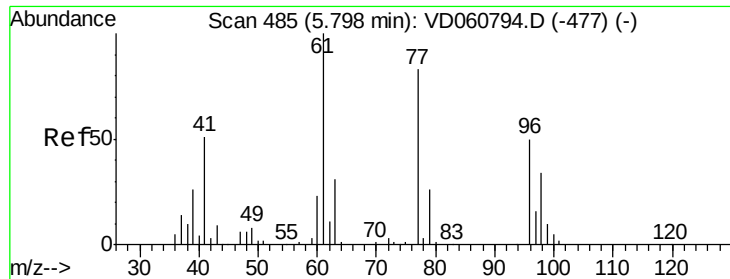
50000

0

5.60 5.70 5.80 5.90 6.00

Time-->





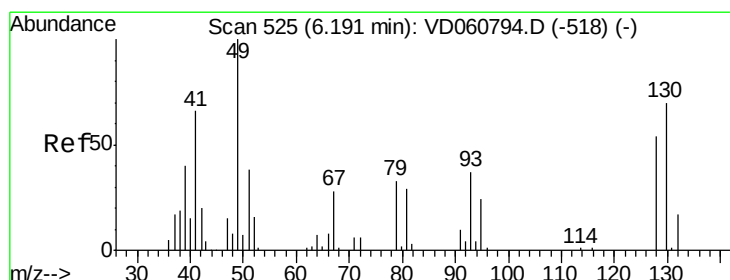
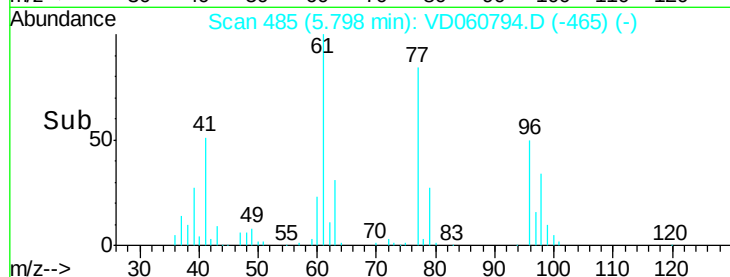
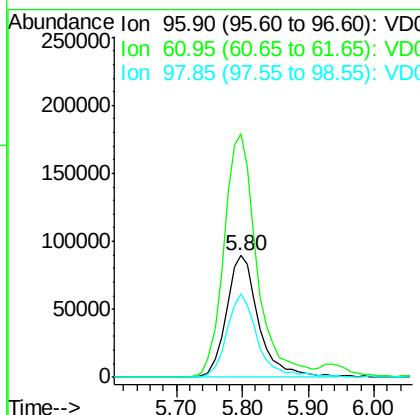
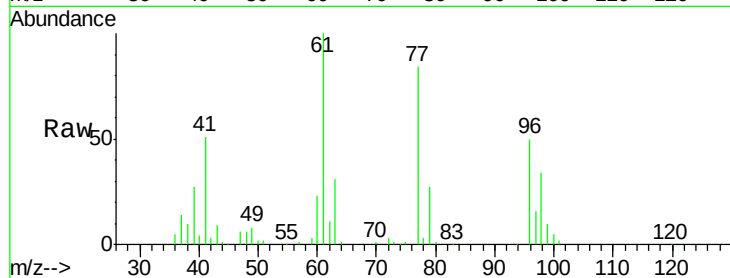
#27
 cis-1,2-Dichloroethene
 Concen: 49.996 ug/l
 RT: 5.80 min Scan# 485
 Delta R.T. 0.00 min
 Lab File: VD060794.D
 Acq: 28 Jan 2019 16:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	307608		
61	200.0		0.0	400.0
98	68.2		0.0	136.4

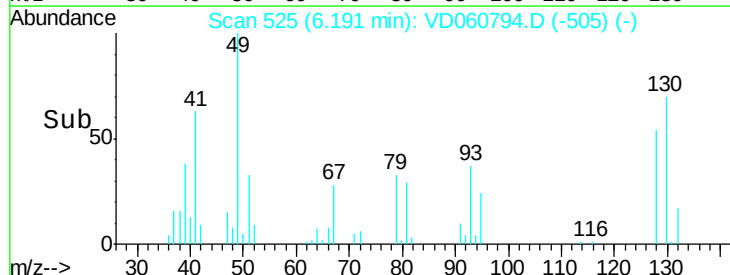
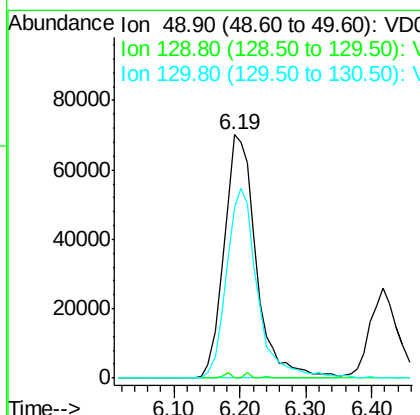
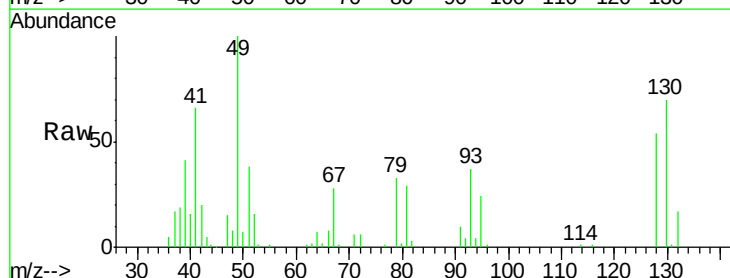
Manual Integrations
 APPROVED

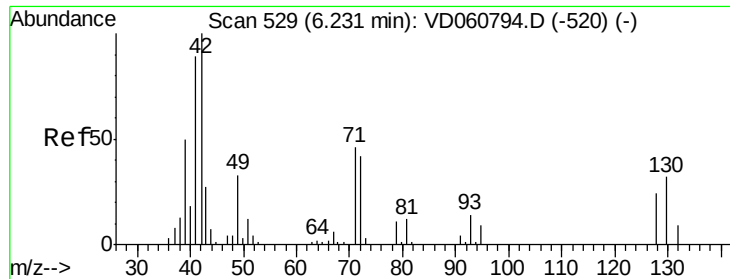
MMDadoda
 1/29/2019 4:55:41 PM



#28
 Bromochloromethane
 Concen: 50.938 ug/l
 RT: 6.19 min Scan# 525
 Delta R.T. 0.00 min
 Lab File: VD060794.D
 Acq: 28 Jan 2019 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	239056		
129	0.0		0.0	0.0
130	70.1		56.1	84.1





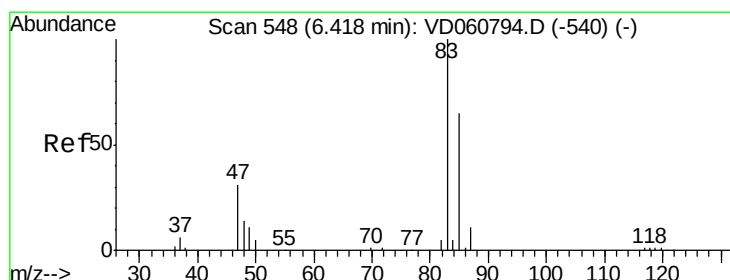
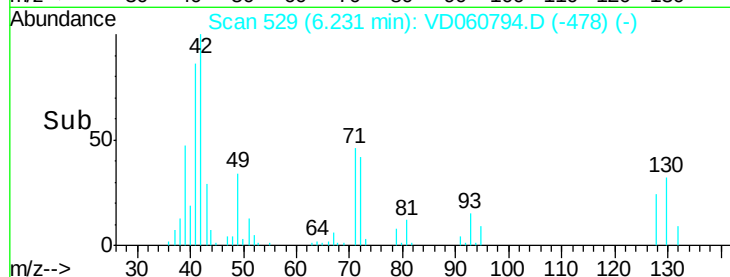
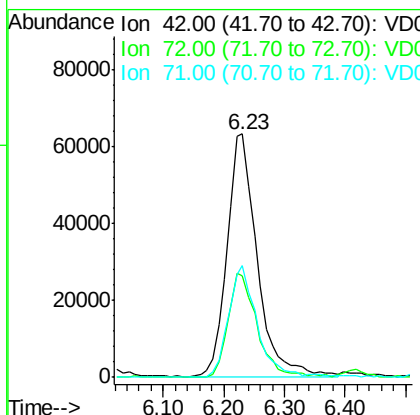
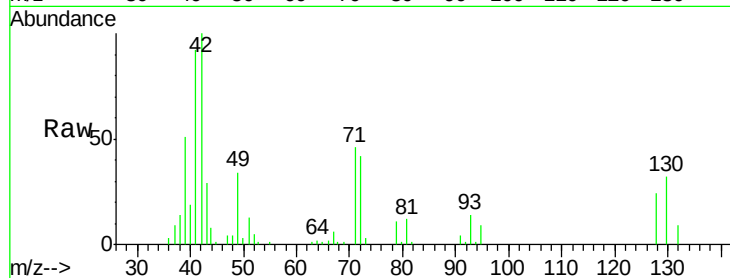
#29
Tetrahydrofuran
Concen: 278.720 ug/l
RT: 6.23 min Scan# 529
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.0	32.8	49.2
71	43.3	34.6	52.0

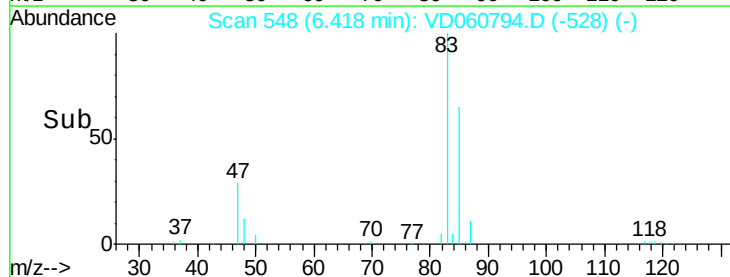
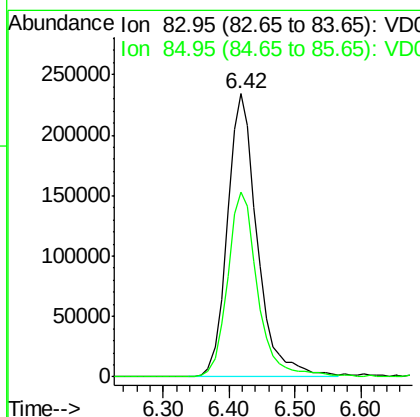
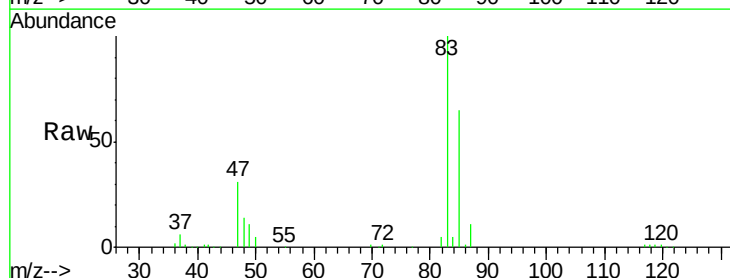
Manual Integrations
APPROVED

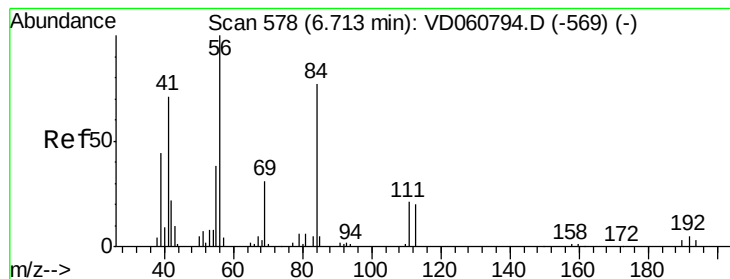
MMDadoda
1/29/2019 4:55:41 PM



#30
Chloroform
Concen: 52.310 ug/l
RT: 6.42 min Scan# 548
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.3	78.5





#31

Cyclohexane

Concen: 53.705 ug/l

RT: 6.71 min Scan# 578

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

Instrument :

MSVOA_D

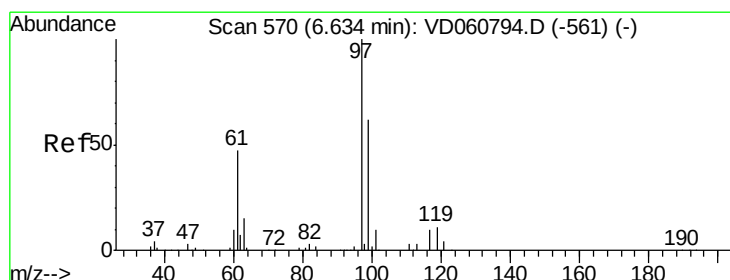
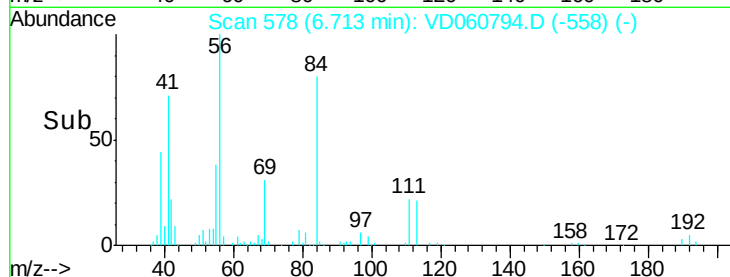
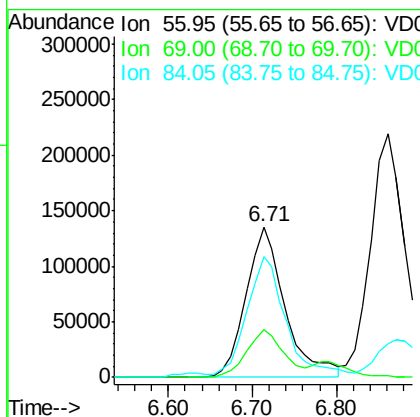
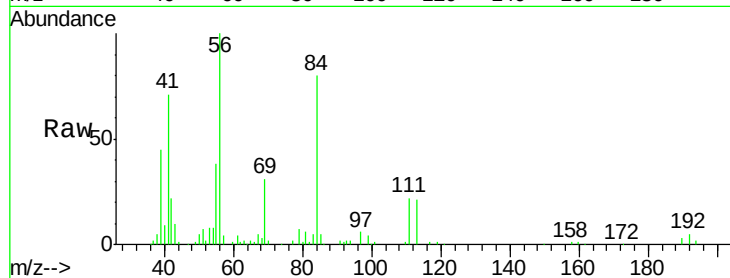
ClientSampleId :

VSTDICCC050

Tot Ion:	56	Resp:	439596
Ion	Ratio	Lower	Upper
56	100		
69	31.4	25.1	37.7
84	79.9	63.9	95.9

Manual Integrations
APPROVED

MMDadoda
1/29/2019 4:55:41 PM



#32

1,1,1-Trichloroethane

Concen: 50.787 ug/l

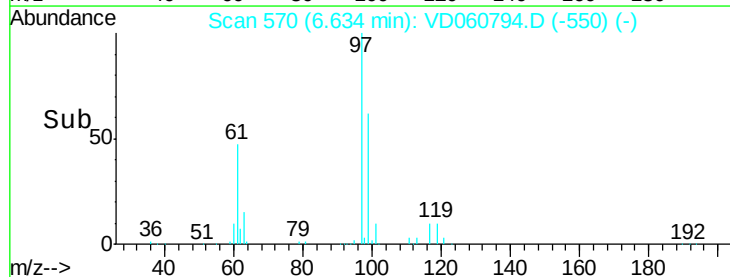
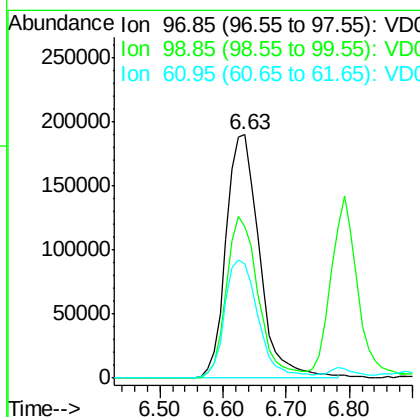
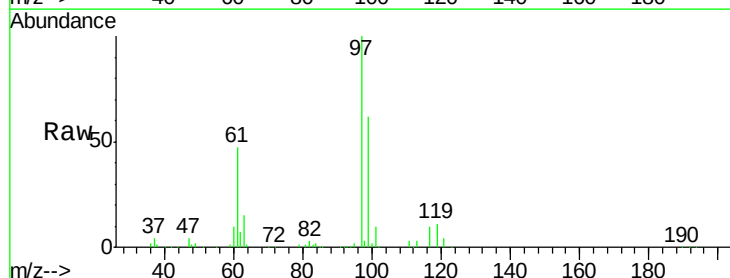
RT: 6.63 min Scan# 570

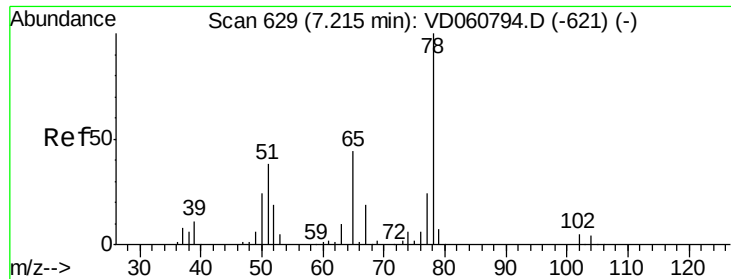
Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

Tgt Ion:	97	Resp:	695428
Ion	Ratio	Lower	Upper
97	100		
99	62.0	49.6	74.4
61	46.8	37.4	56.2





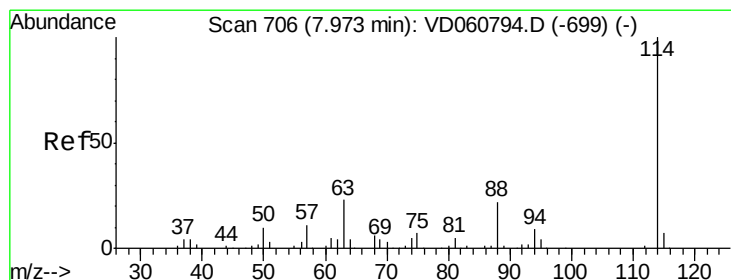
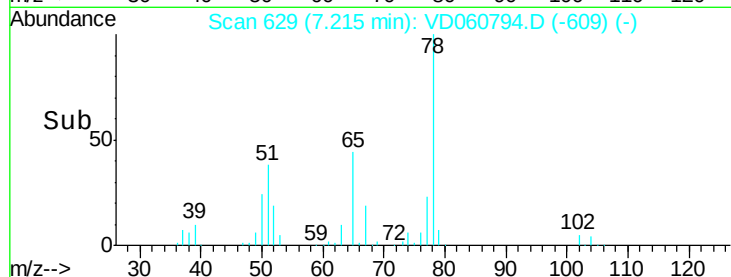
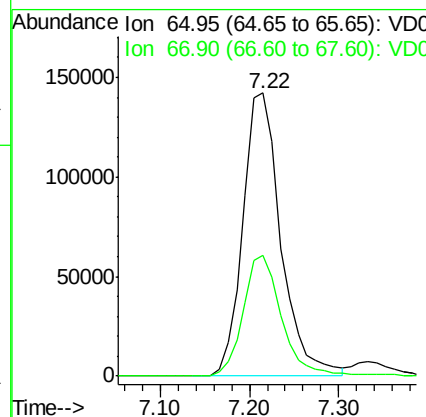
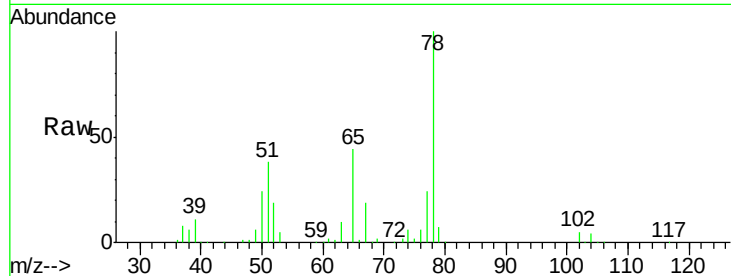
#33
 1,2-Dichloroethane-d4
 Concen: 50.787 ug/l
 RT: 7.22 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: VD060794.D
 Acq: 28 Jan 2019 16:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 65 Resp: 420423
 Ion Ratio Lower Upper
 65 100
 67 42.9 0.0 85.8

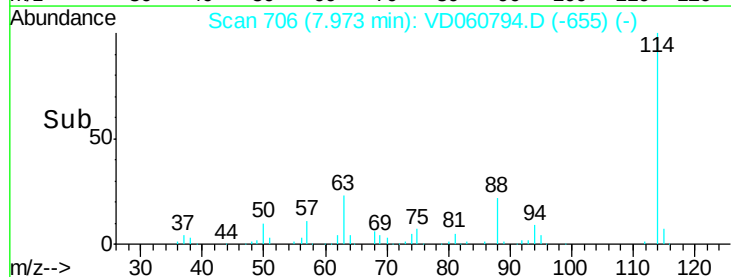
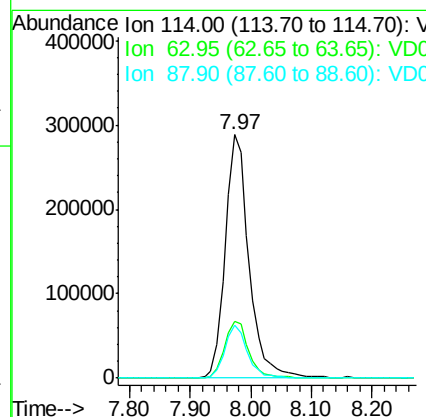
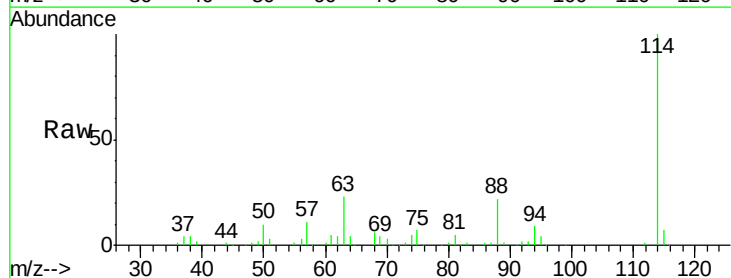
Manual Integrations
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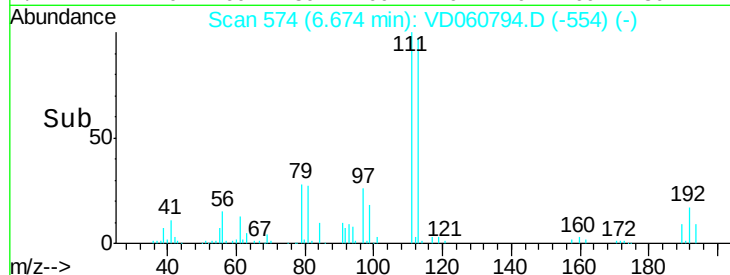
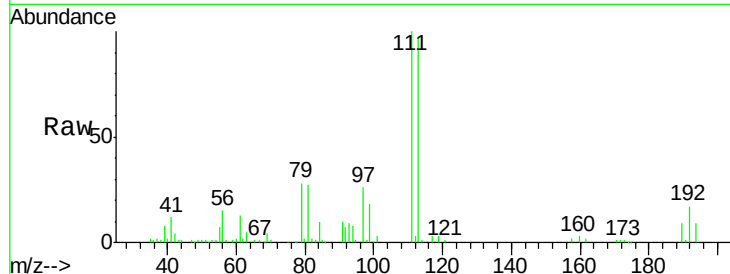
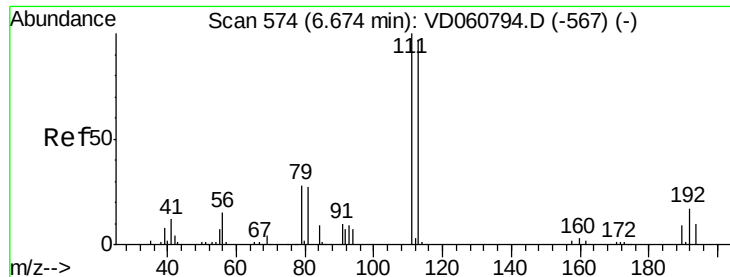
MMDadoda
 1/29/2019 4:55:41 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.97 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VD060794.D
 Acq: 28 Jan 2019 16:39

Tgt Ion: 114 Resp: 786921
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 46.6
 88 22.0 0.0 44.0





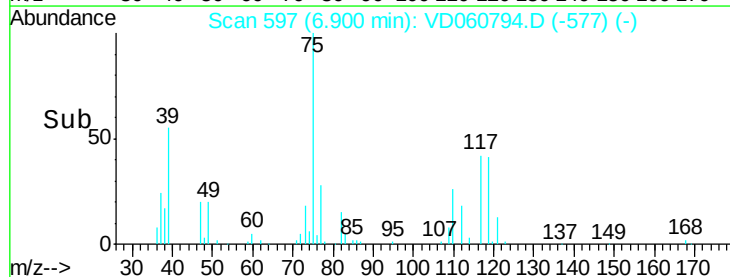
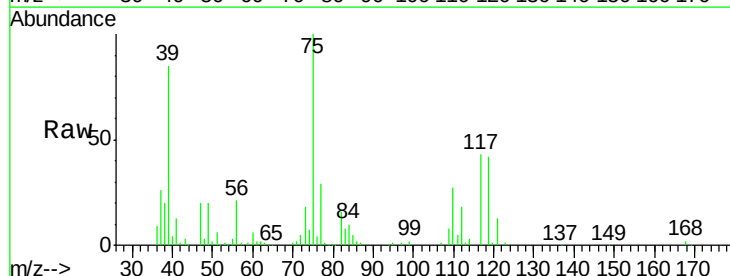
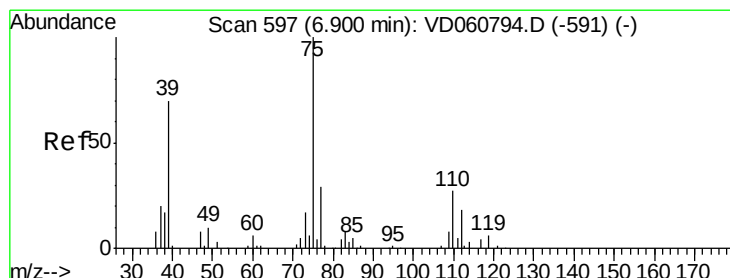
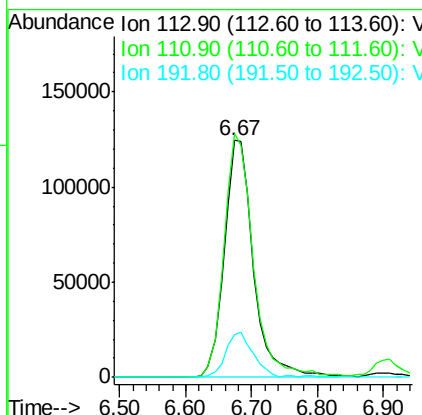
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.67 min Scan# 574
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.9	82.3	123.5	
192	18.0	14.4	21.6	

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

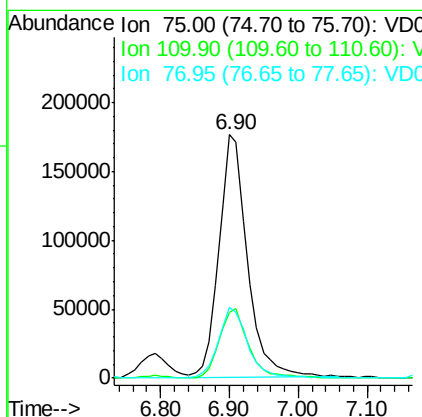
Manual Integrations
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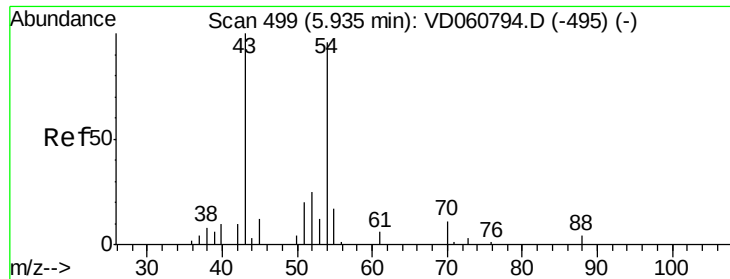
MMDadoda
1/29/2019 4:55:41 PM



#36
1,1-Dichloropropene
Concen: 53.746 ug/l
RT: 6.90 min Scan# 597
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	26.9	13.5	40.4	
77	29.3	23.4	35.2	





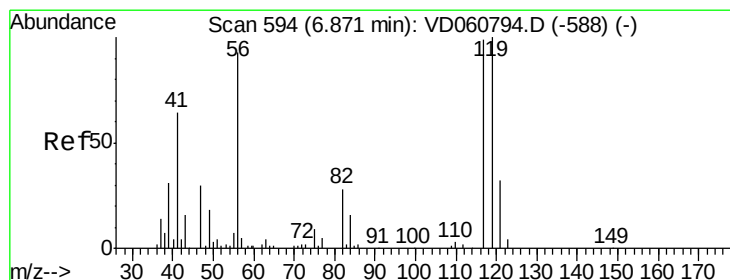
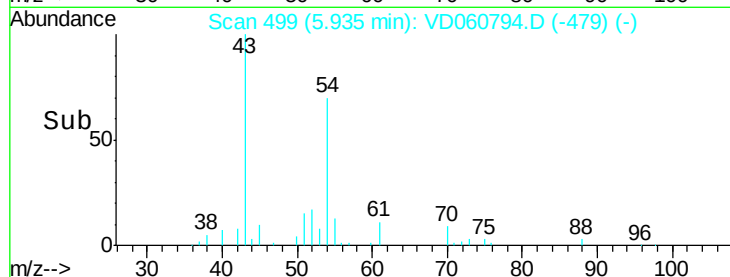
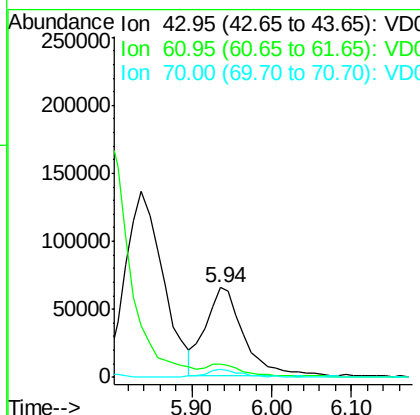
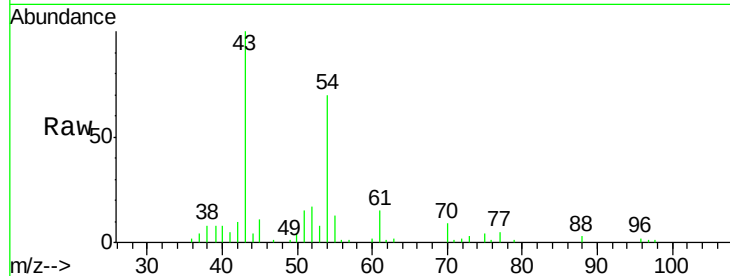
#37
Ethyl Acetate
Concen: 51.577 ug/l
RT: 5.94 min Scan# 499
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	12.3	18.5
70	9.2	7.4	11.0

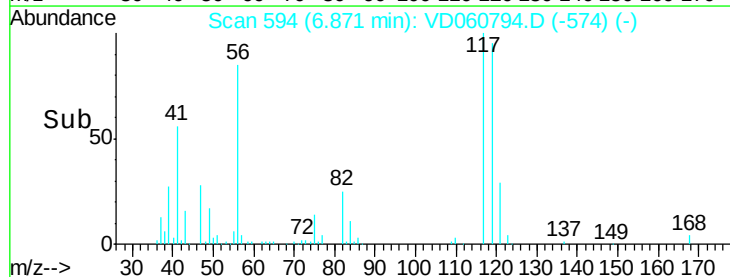
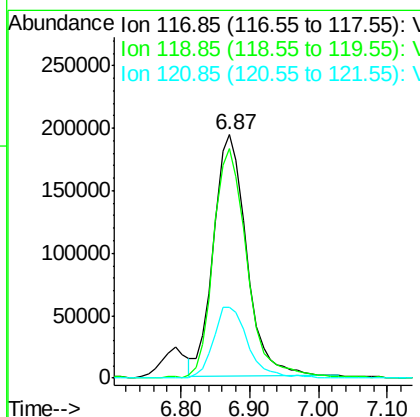
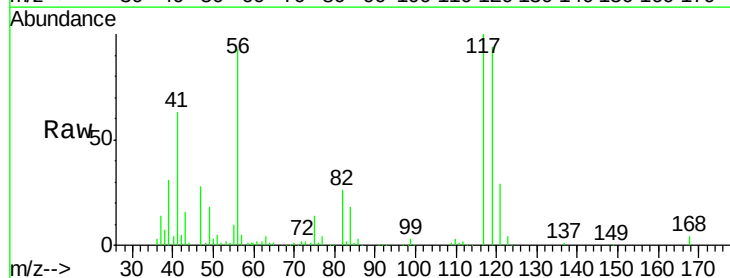
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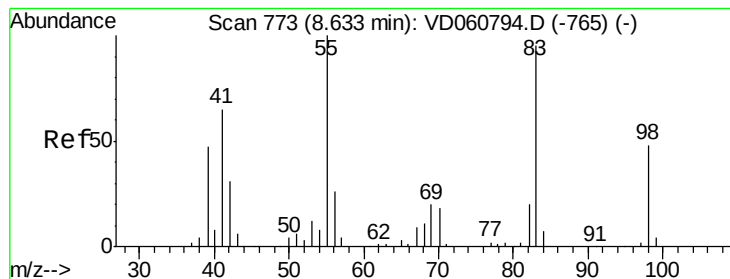
MMDadoda
1/29/2019 4:55:41 PM



#38
Carbon Tetrachloride
Concen: 54.856 ug/l
RT: 6.87 min Scan# 594
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	75.6	113.4
121	29.3	23.4	35.2





#39

Methylvlcyclohexane

Concen: 52.609 ug/l

RT: 8.63 min Scan# 773

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 413948

Ion Ratio Lower Upper

83 100

55 104.8 83.8 125.8

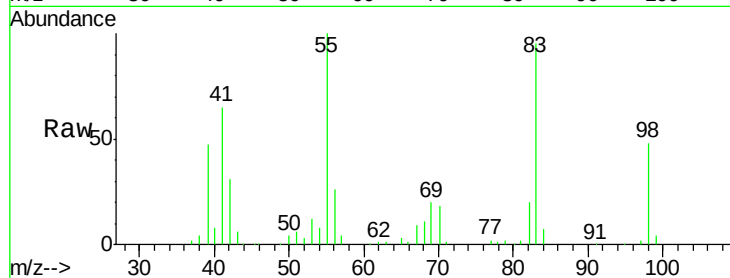
98 49.8 39.8 59.8

Manual Integrations

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Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC

200000

150000

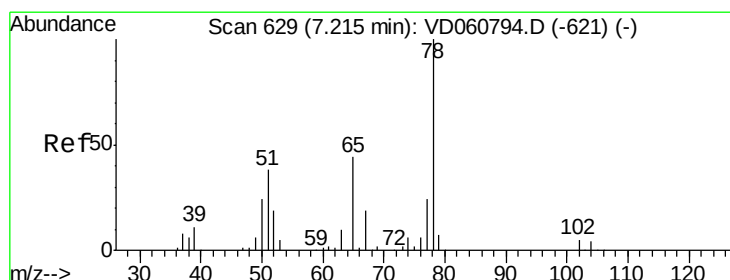
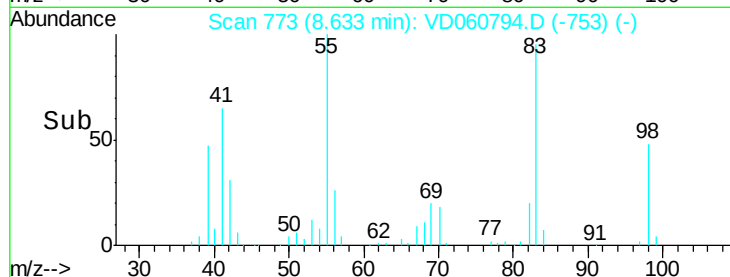
100000

50000

0

8.50 8.60 8.70 8.80

Time-->



#40

Benzene

Concen: 52.328 ug/l

RT: 7.22 min Scan# 629

Delta R.T. 0.00 min

Lab File: VD060794.D

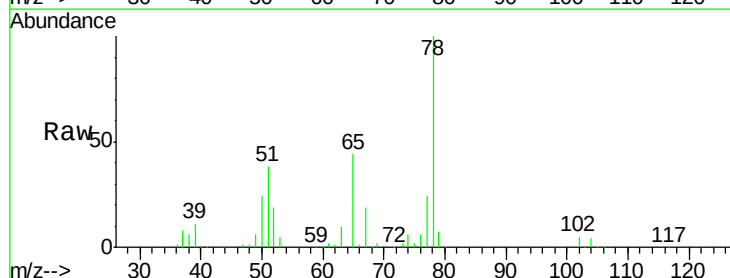
Acq: 28 Jan 2019 16:39

Tgt Ion: 78 Resp: 970356

Ion Ratio Lower Upper

78 100

77 23.6 18.9 28.3



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

300000

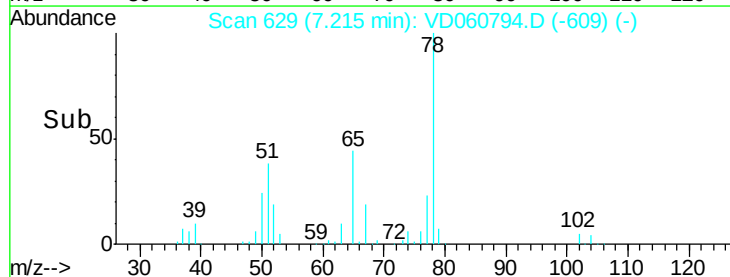
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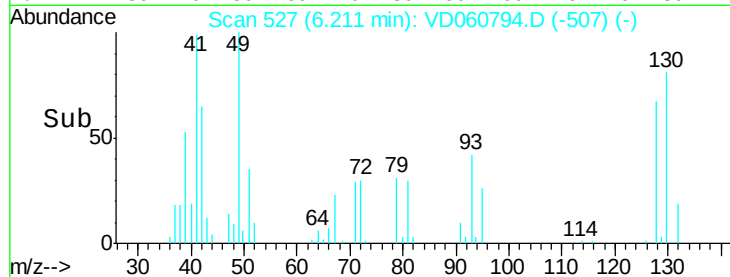
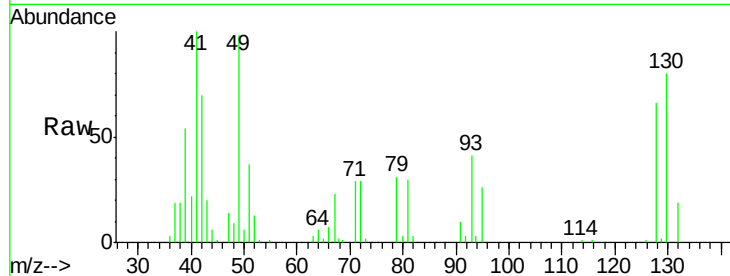
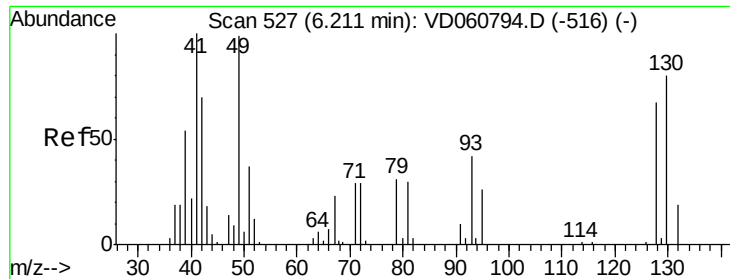
100000

0

7.10 7.20 7.30 7.40

Time-->





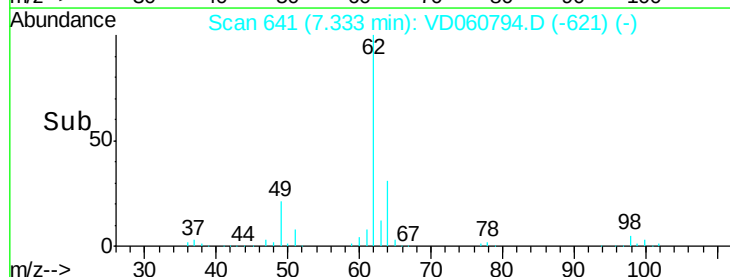
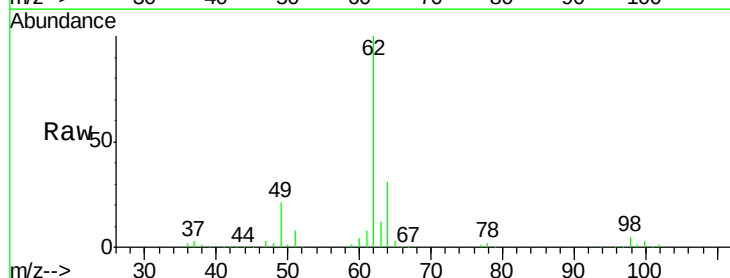
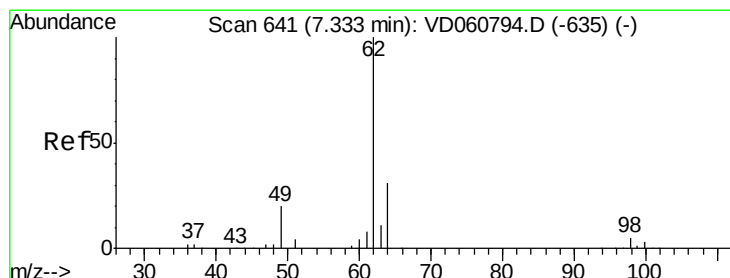
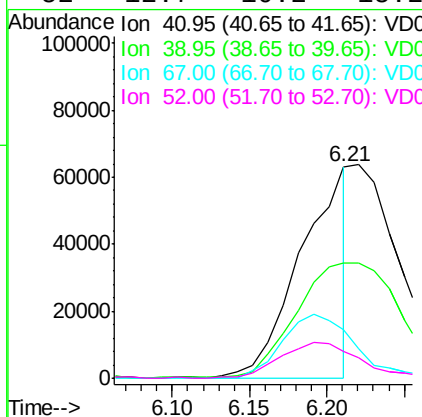
#41
Methacrylonitrile
Concen: 50.720 ug/l m
RT: 6.21 min Scan# 527
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		139884		
39	54.5	43.6	65.4		
67	23.1	18.5	27.7		
52	12.7	10.2	15.2		

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

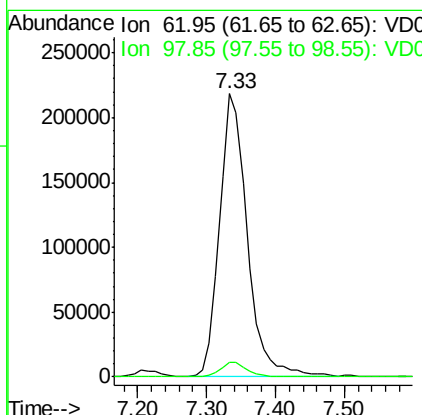
Manual Integrations
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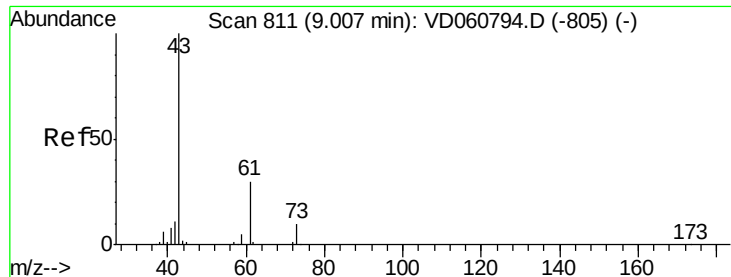
MMDadoda
1/29/2019 4:55:41 PM



#42
1,2-Dichloroethane
Concen: 56.698 ug/l
RT: 7.33 min Scan# 641
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		610797		
98	5.1	0.0	10.2		





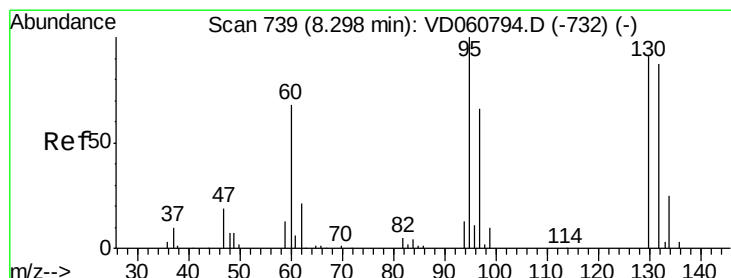
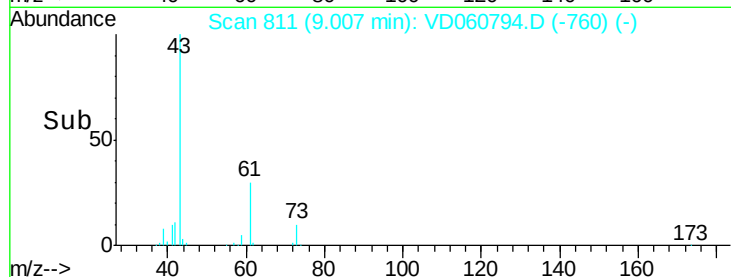
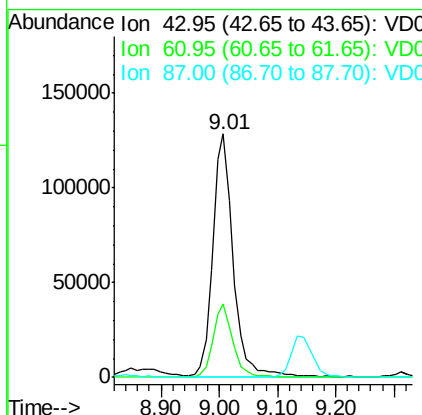
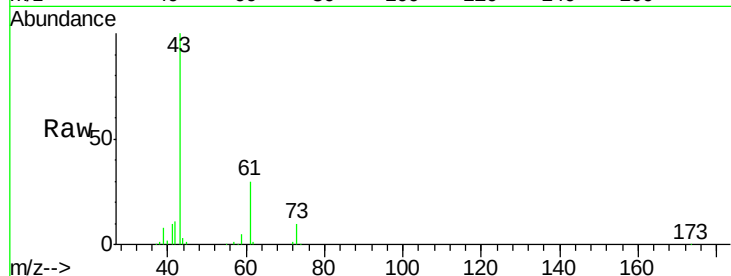
#43
Isopropyl Acetate
Concen: 56.355 ug/l
RT: 9.01 min Scan# 811
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.1	24.1	36.1
87	0.0	0.0	0.0

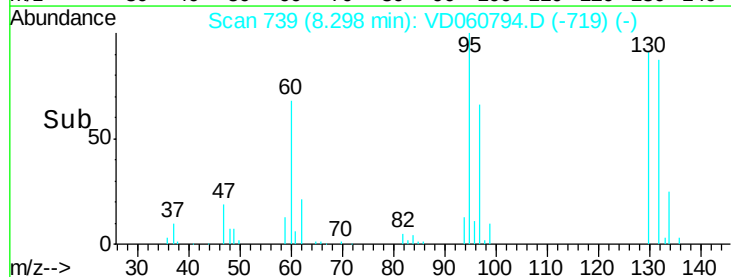
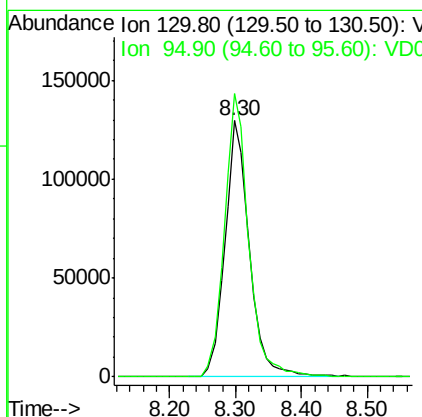
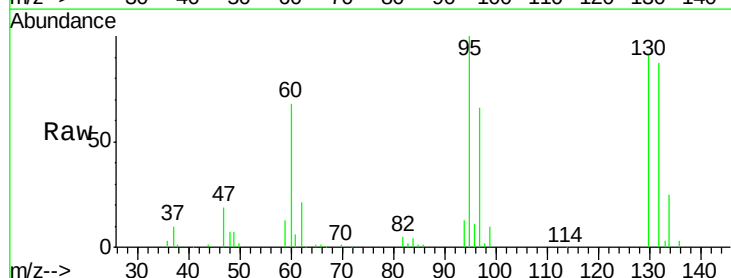
Manual Integrations
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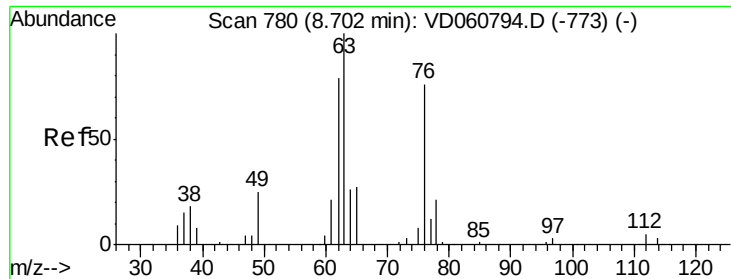
MMDadoda
1/29/2019 4:55:41 PM



#44
Trichloroethene
Concen: 53.285 ug/l
RT: 8.30 min Scan# 739
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Tgt Ion	Ratio	Lower	Upper
130	100		
95	110.5	0.0	221.0





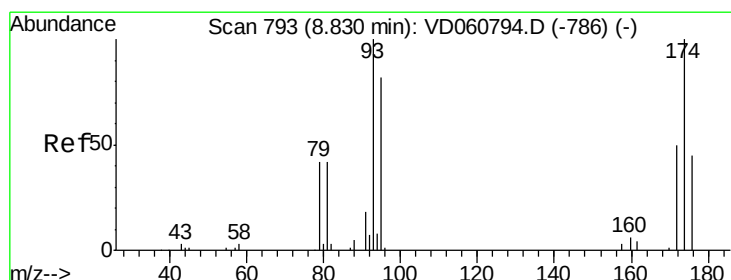
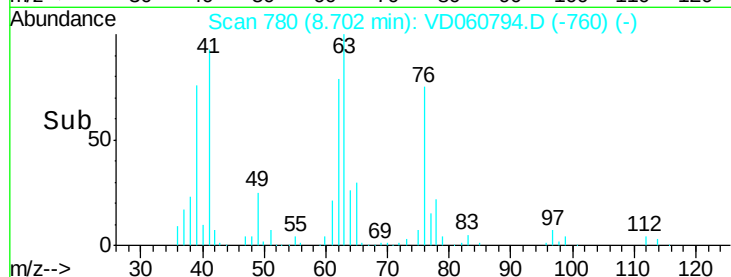
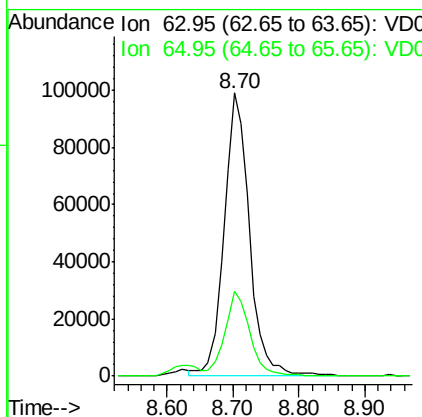
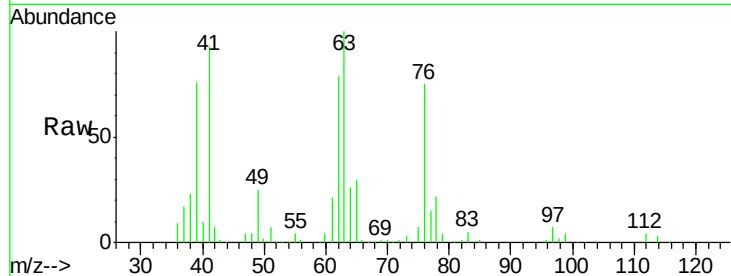
#45
 1,2-Dichloropropane
 Concen: 53.176 ug/l
 RT: 8.70 min Scan# 780
 Delta R.T. 0.00 min
 Lab File: VD060794.D
 Acq: 28 Jan 2019 16:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 266933
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.1 36.1

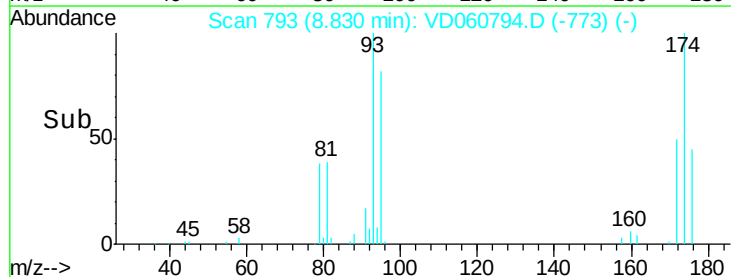
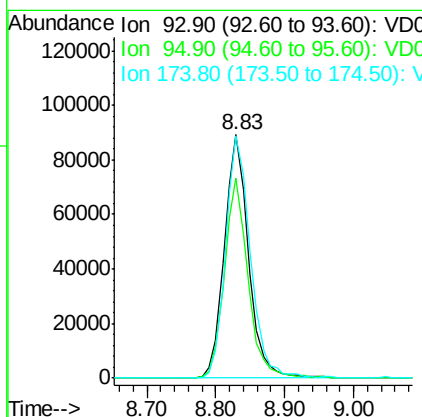
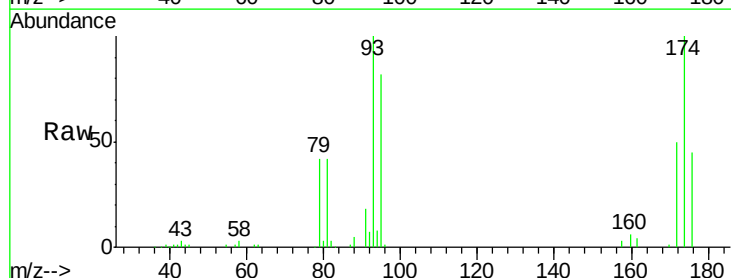
Manual Integrations
 APPROVED

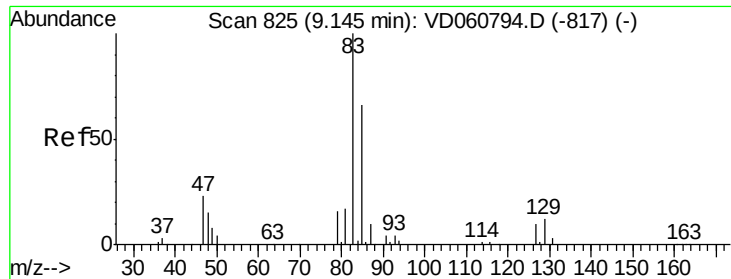
MMDadoda
 1/29/2019 4:55:41 PM



#46
 Dibromomethane
 Concen: 55.345 ug/l
 RT: 8.83 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VD060794.D
 Acq: 28 Jan 2019 16:39

Tgt Ion: 93 Resp: 215673
 Ion Ratio Lower Upper
 93 100
 95 82.3 65.8 98.8
 174 99.7 79.8 119.6





#47

Bromodichloromethane

Concen: 52.985 ug/l

RT: 9.14 min Scan# 825

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

Instrument :

MSVOA_D

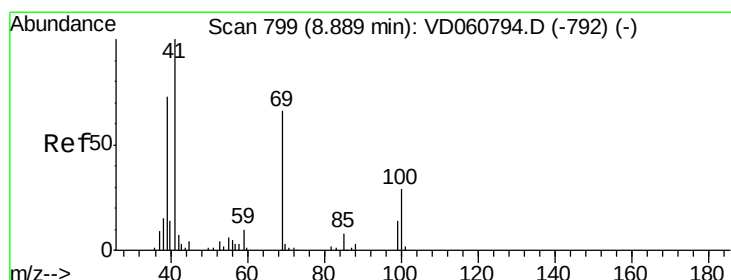
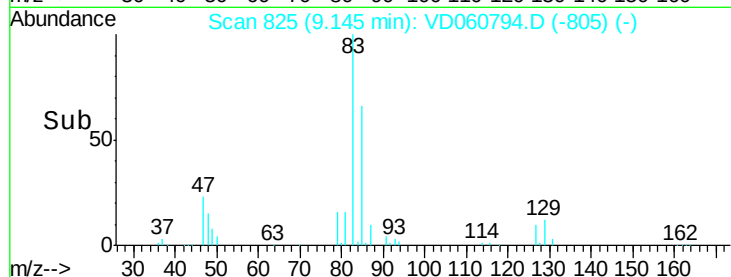
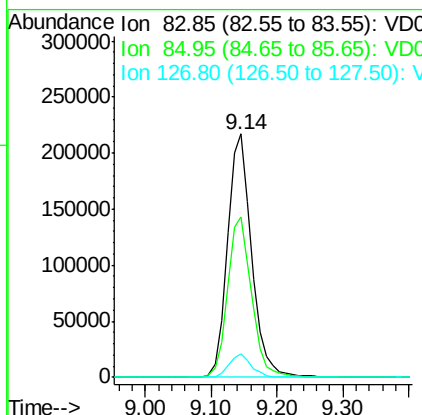
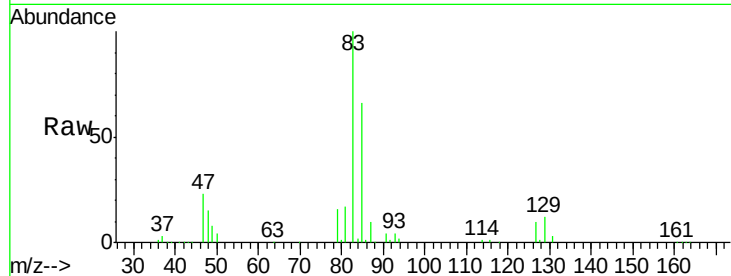
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	557322
Ion Ratio	Lower	Upper	
83	100		
85	65.8	52.6	79.0
127	9.6	7.7	11.5

Manual Integrations
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1/29/2019 4:55:41 PM



#48

Methyl methacrylate

Concen: 54.290 ug/l

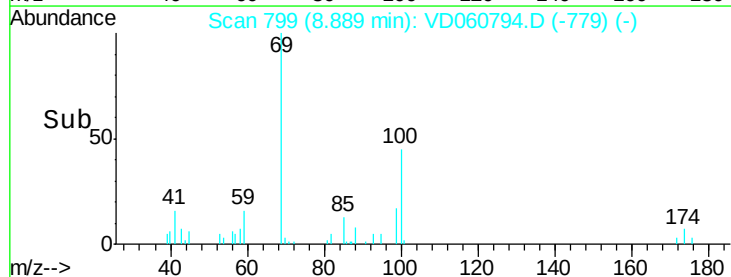
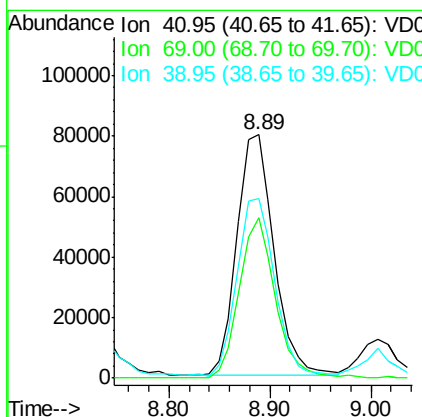
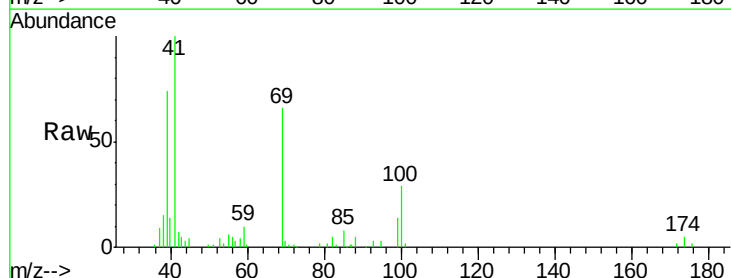
RT: 8.89 min Scan# 799

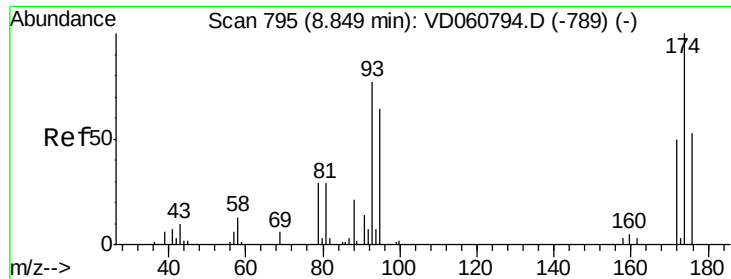
Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

Tgt Ion:	41	Resp:	204794
Ion Ratio	Lower	Upper	
41	100		
69	65.6	52.5	78.7
39	73.8	59.0	88.6





#49

1,4-Dioxane

Concen: 1252.601 ug/l

RT: 8.85 min Scan# 795

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

Instrument :

MSVOA_D

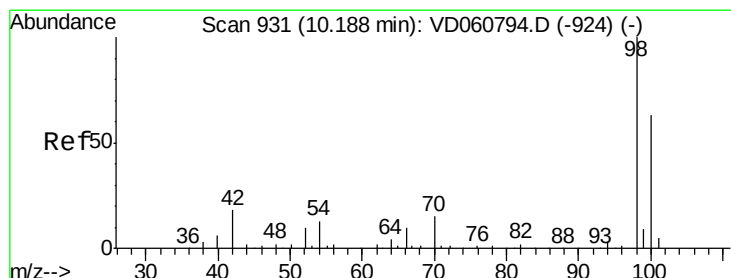
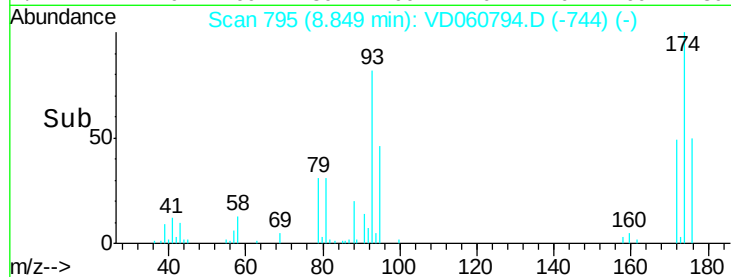
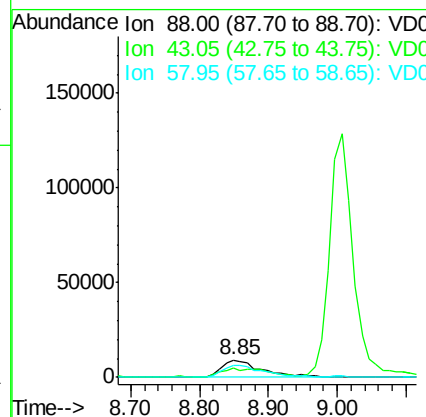
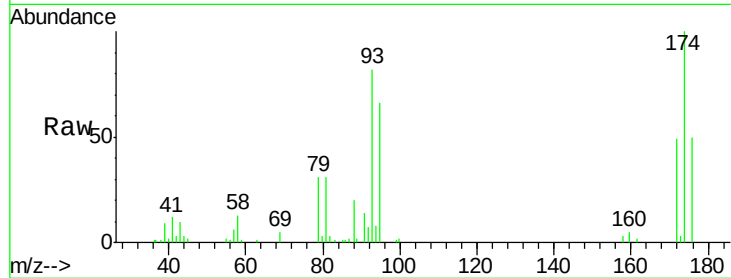
ClientSampleId :

VSTDICCC050

Tot Ion:	88	Resp:	36634
Ion	Ratio	Lower	Upper
88	100		
43	51.1	40.9	61.3
58	65.3	52.2	78.4

Manual Integrations
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1/29/2019 4:55:41 PM



#50

Toluene-d8

Concen: 1252.601 ug/l

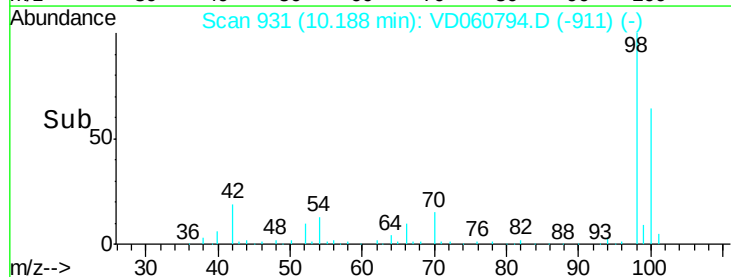
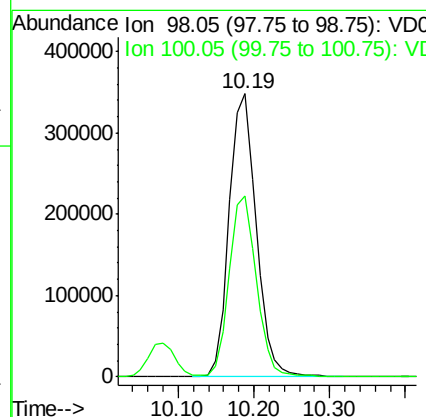
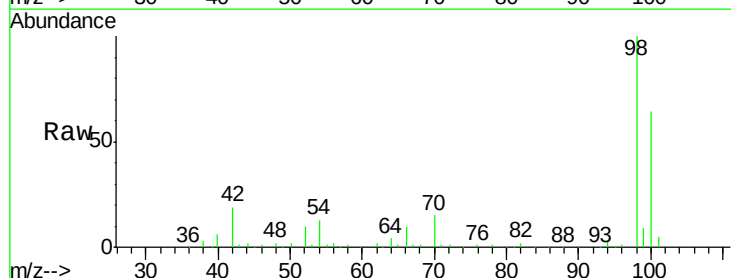
RT: 10.19 min Scan# 931

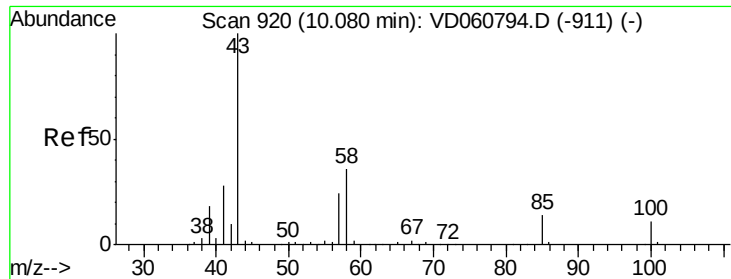
Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

Tgt Ion:	98	Resp:	863869
Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 276.753 ug/l

RT: 10.08 min Scan# 920

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 980400

Ion Ratio Lower Upper

43 100

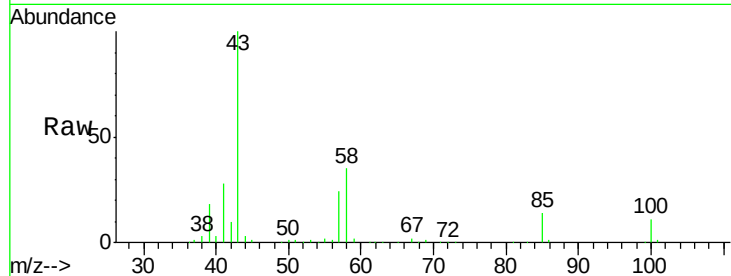
58 35.5 28.4 42.6

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.08

400000

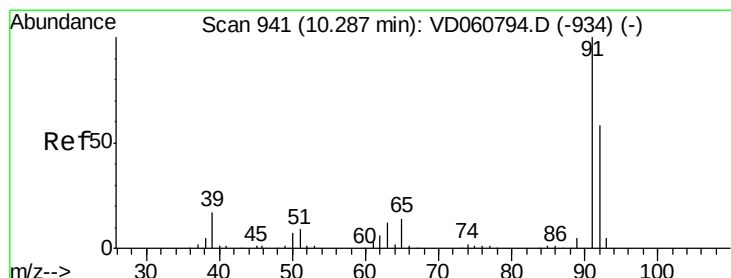
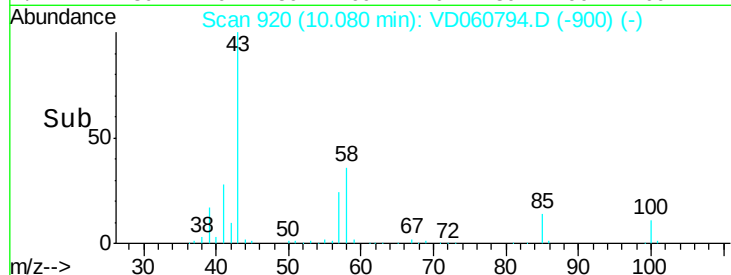
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 53.782 ug/l

RT: 10.29 min Scan# 941

Delta R.T. 0.00 min

Lab File: VD060794.D

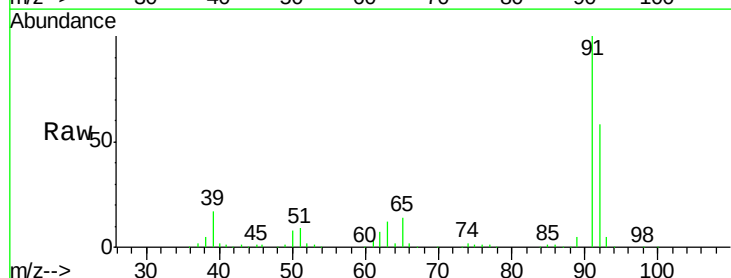
Acq: 28 Jan 2019 16:39

Tgt Ion: 92 Resp: 632625

Ion Ratio Lower Upper

92 100

91 172.1 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.29

500000

400000

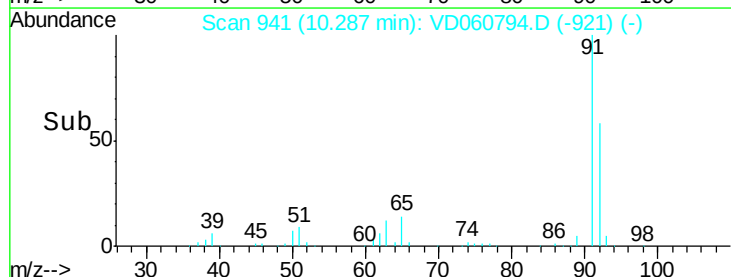
300000

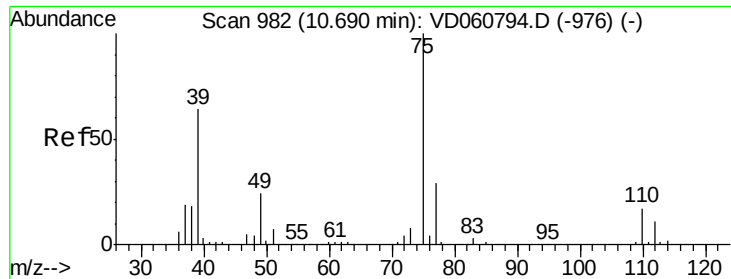
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 52.738 ug/l

RT: 10.69 min Scan# 982

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 487947

Ion Ratio Lower Upper

75 100

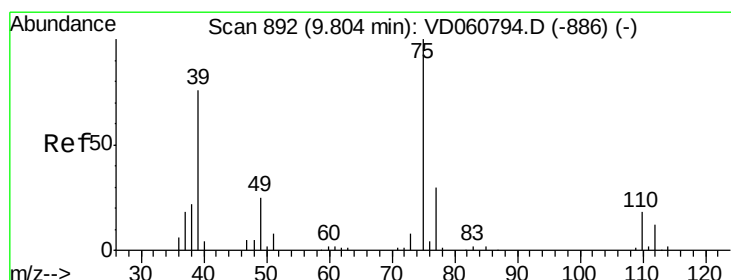
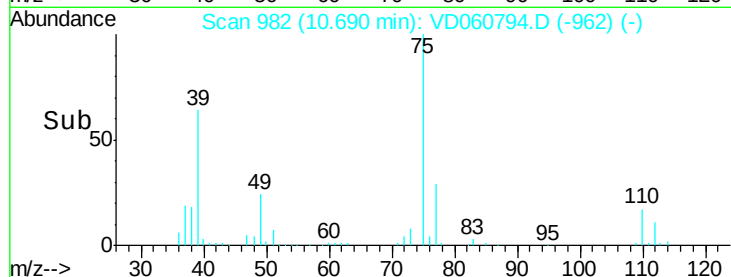
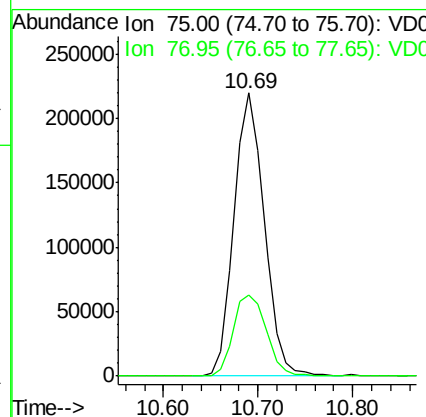
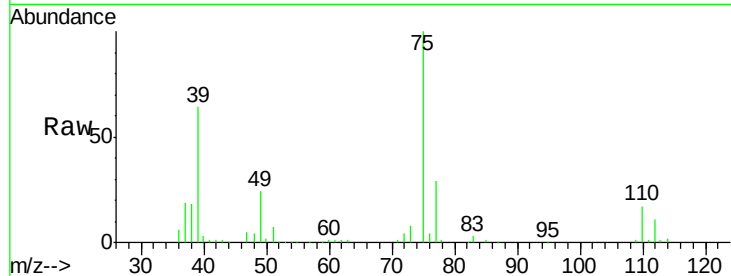
77 28.8 23.0 34.6

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 53.822 ug/l

RT: 9.80 min Scan# 892

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

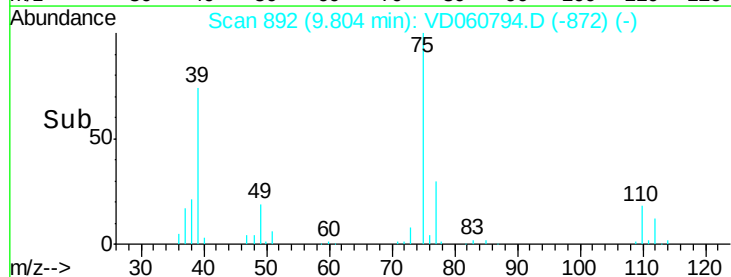
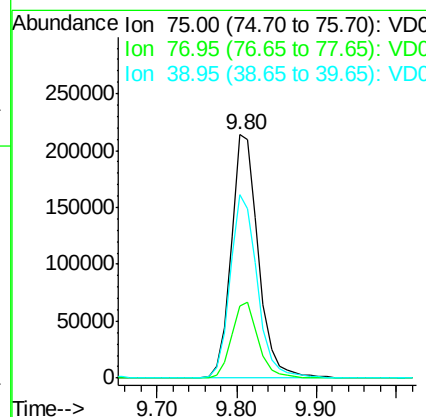
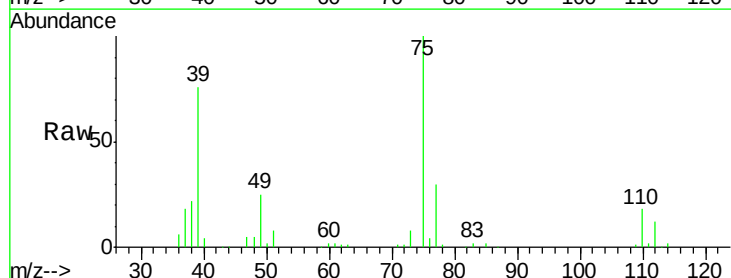
Tgt Ion: 75 Resp: 510651

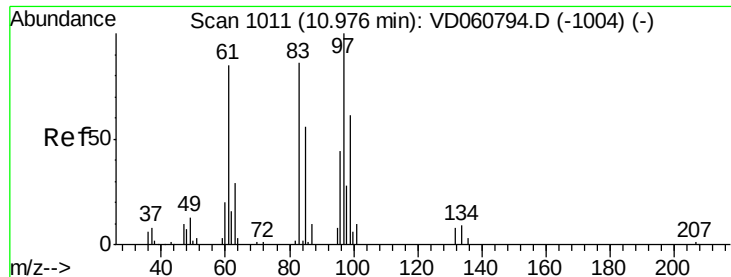
Ion Ratio Lower Upper

75 100

77 29.9 23.9 35.9

39 75.5 60.4 90.6





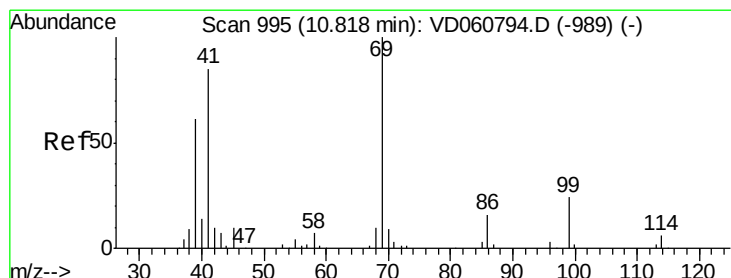
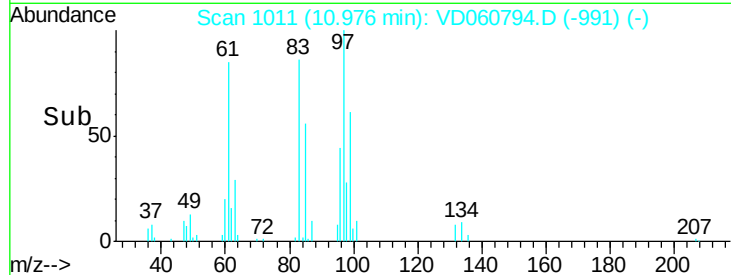
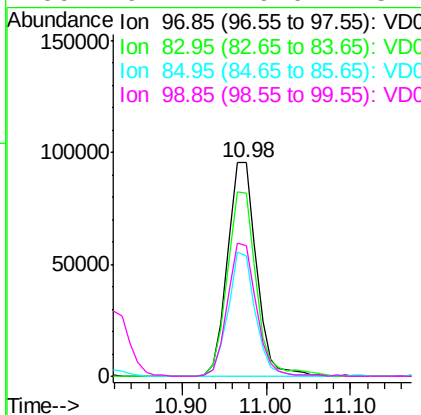
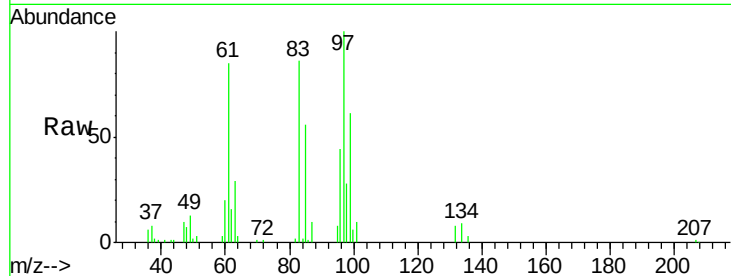
#55
 1,1,2-Trichloroethane
 Concen: 56.762 ug/l
 RT: 10.98 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VD060794.D
 Acq: 28 Jan 2019 16:39

Instrument :
 MSVOA_D
 ClientSampled :
 VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		227641		
83	85.6	68.5	102.7		
85	56.3	45.0	67.6		
99	61.2	49.0	73.4		

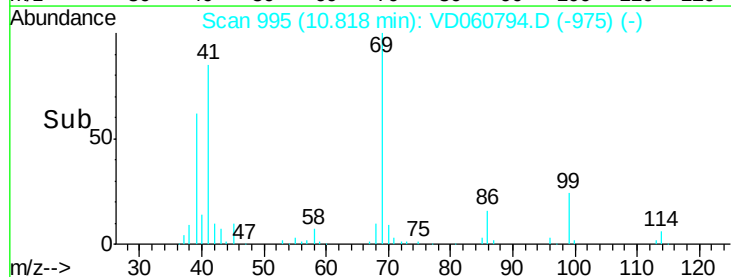
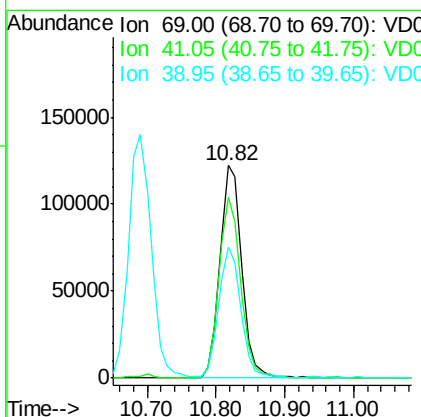
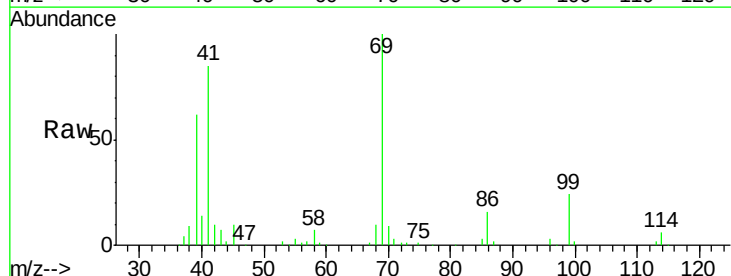
Manual Integrations
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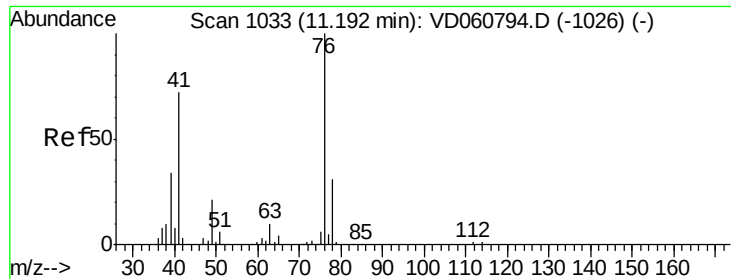
MMDadoda
 1/29/2019 4:55:41 PM



#56
 Ethyl methacrylate
 Concen: 55.405 ug/l
 RT: 10.82 min Scan# 995
 Delta R.T. 0.00 min
 Lab File: VD060794.D
 Acq: 28 Jan 2019 16:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		269171		
41	85.2	68.2	102.2		
39	61.7	49.4	74.0		





#57

1,3-Dichloropropane

Concen: 55.371 ug/l

RT: 11.19 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 379516

Ion Ratio Lower Upper

76 100

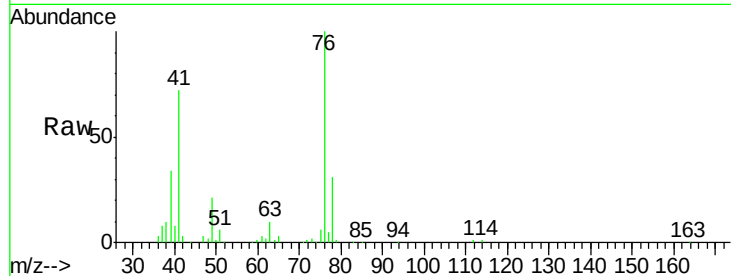
78 30.6 24.5 36.7

Manual Integrations

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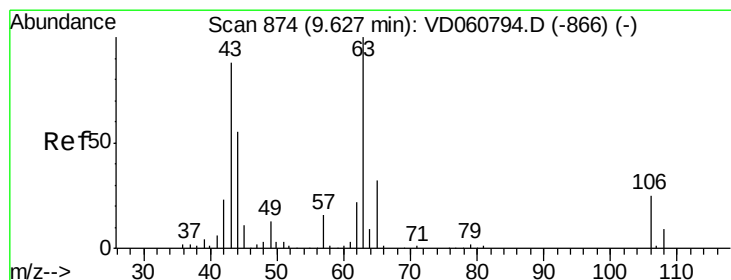
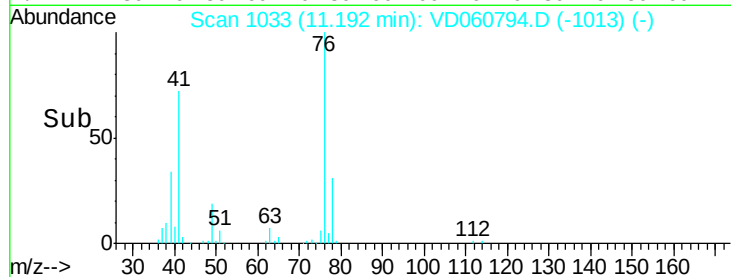
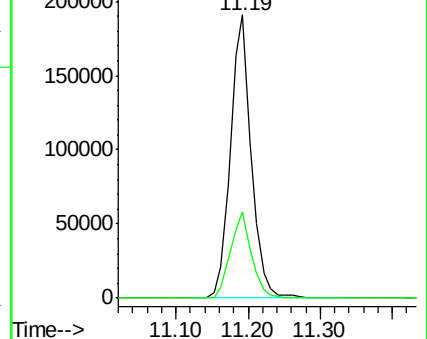
MMDadoda

1/29/2019 4:55:41 PM



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 220.436 ug/l

RT: 9.63 min Scan# 874

Delta R.T. 0.00 min

Lab File: VD060794.D

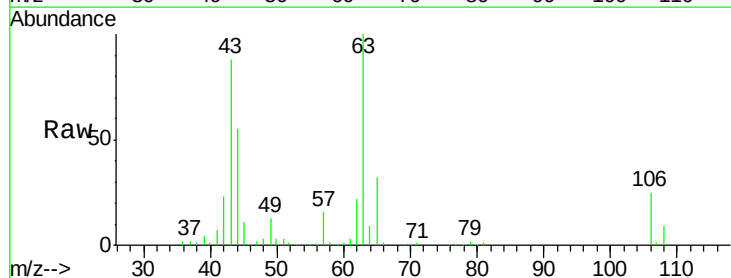
Acq: 28 Jan 2019 16:39

Tgt Ion: 63 Resp: 561911

Ion Ratio Lower Upper

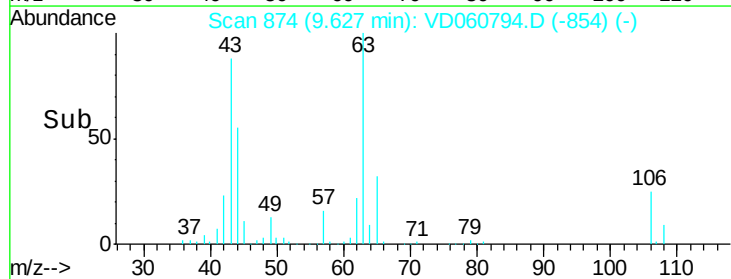
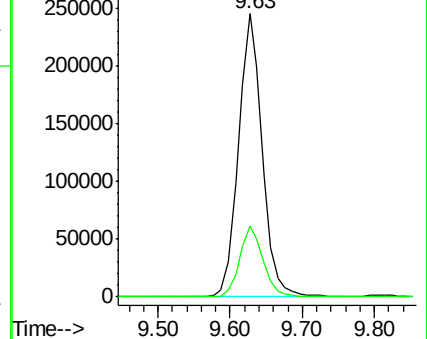
63 100

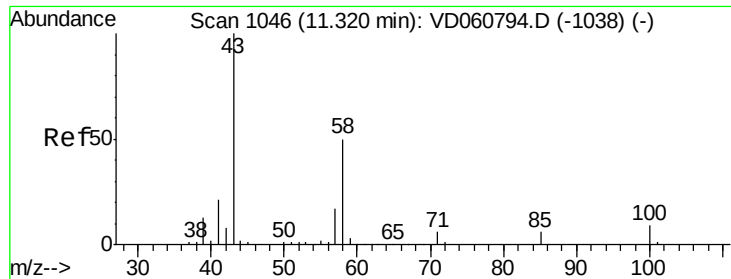
106 24.9 19.9 29.9



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC





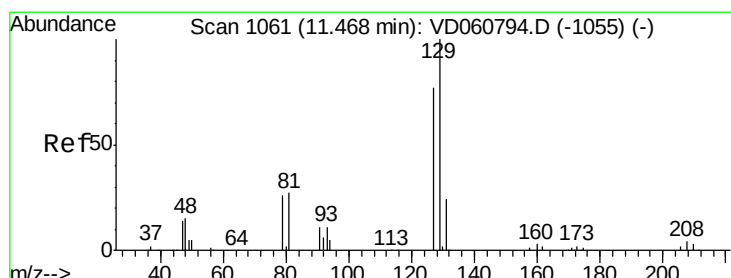
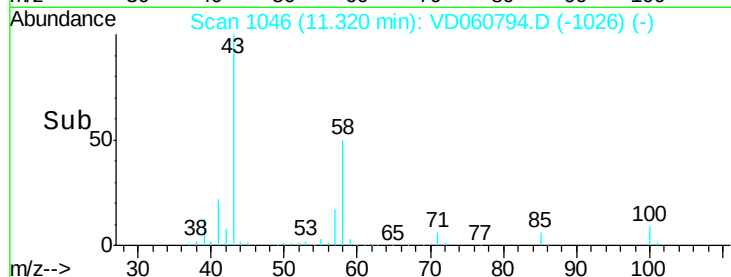
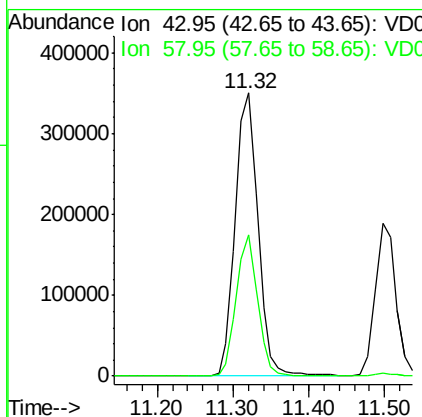
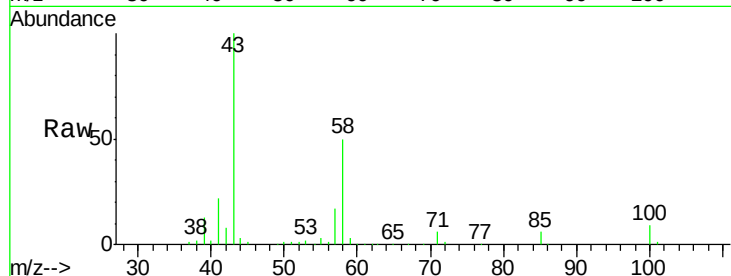
#59
2-Hexanone
Concen: 273.656 ug/l
RT: 11.32 min Scan# 1046
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 728914
Ion Ratio Lower Upper
43 100
58 50.0 25.0 75.0

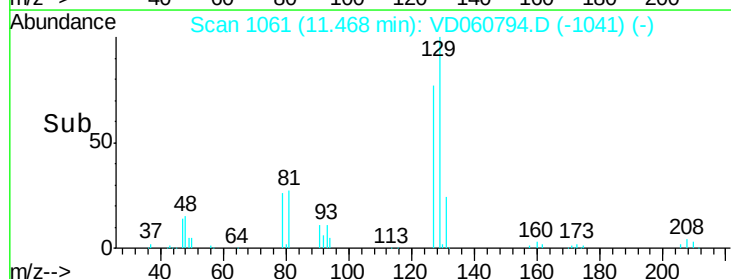
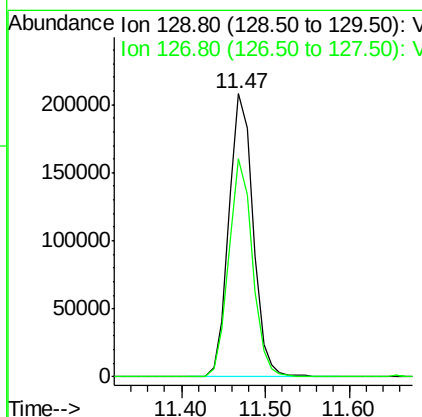
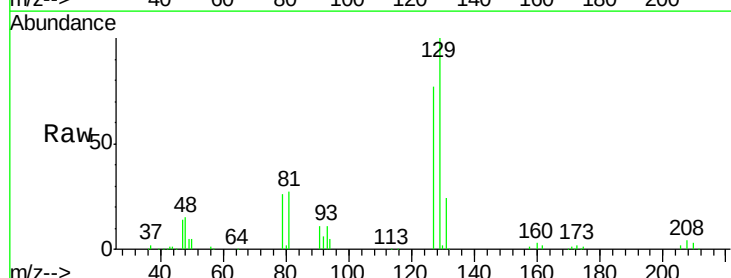
Manual Integrations
APPROVED

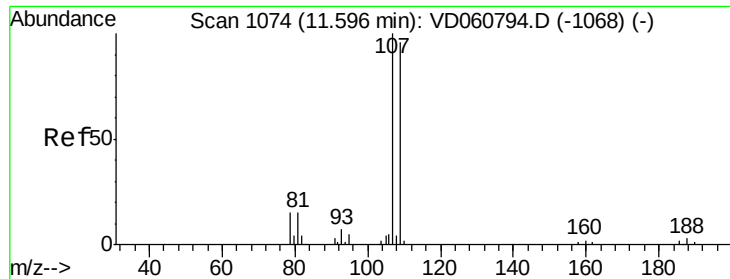
MMDadoda
1/29/2019 4:55:41 PM



#60
Dibromochloromethane
Concen: 57.862 ug/l
RT: 11.47 min Scan# 1061
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Tgt Ion: 129 Resp: 417180
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.7





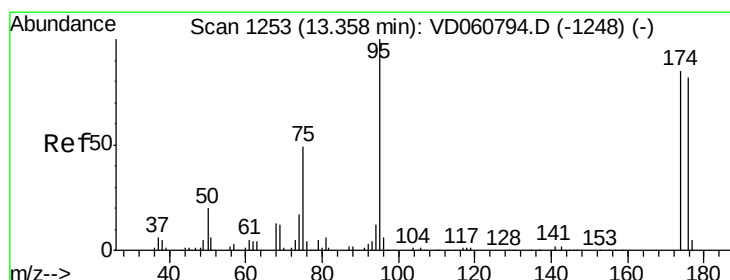
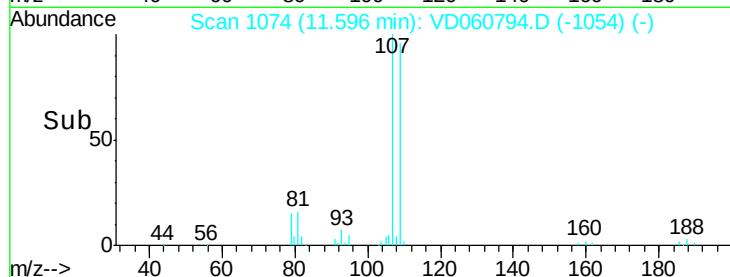
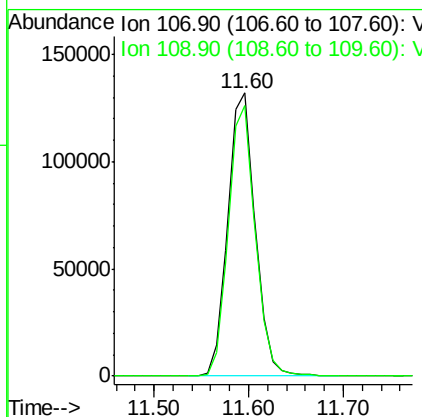
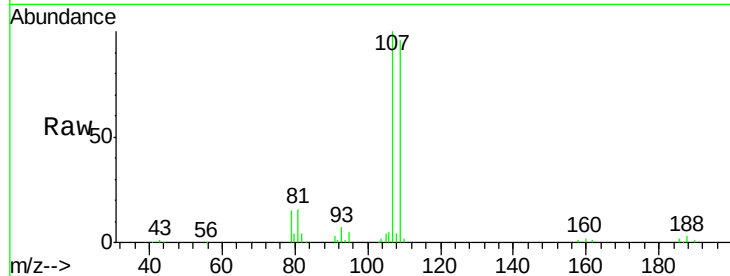
#61
 1,2-Dibromoethane
 Concen: 56.026 ug/l
 RT: 11.60 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VD060794.D
 Acq: 28 Jan 2019 16:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 107 Resp: 264615
 Ion Ratio Lower Upper
 107 100
 109 95.7 76.6 114.8

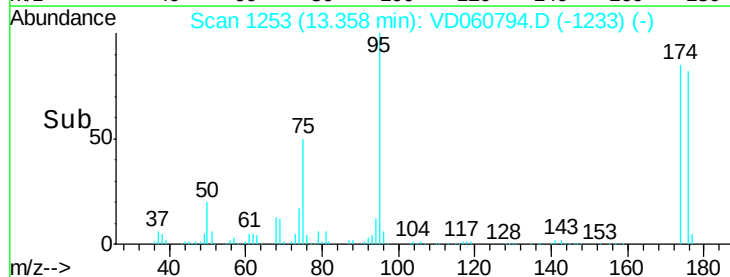
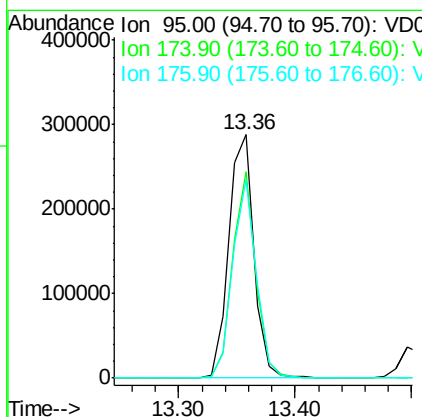
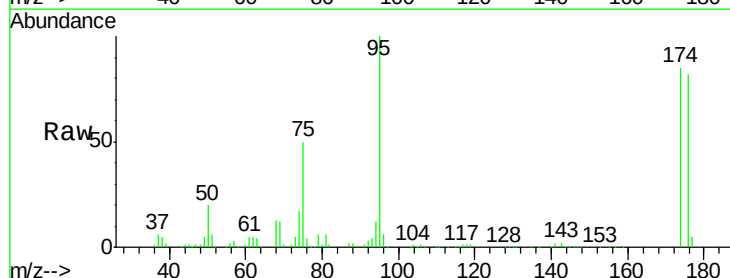
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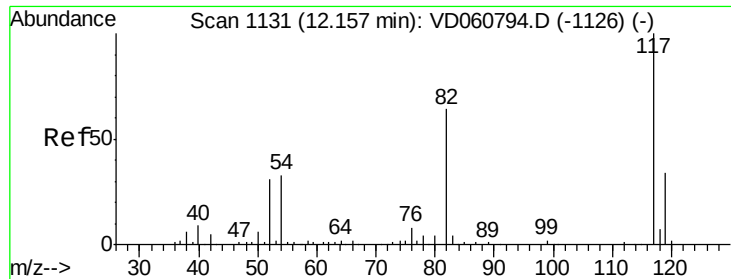
MMDadoda
 1/29/2019 4:55:41 PM



#62
 4-Bromofluorobenzene
 Concen: 56.026 ug/l
 RT: 13.36 min Scan# 1253
 Delta R.T. 0.00 min
 Lab File: VD060794.D
 Acq: 28 Jan 2019 16:39

Tgt Ion: 95 Resp: 431364
 Ion Ratio Lower Upper
 95 100
 174 84.8 0.0 169.6
 176 81.9 0.0 163.8





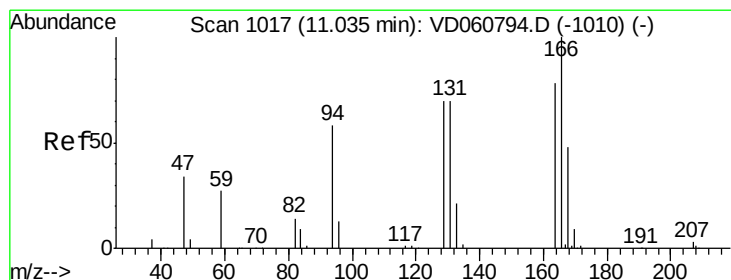
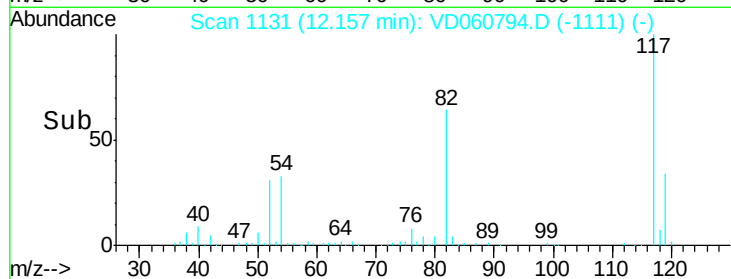
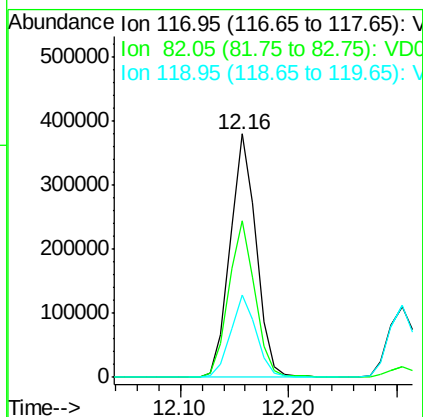
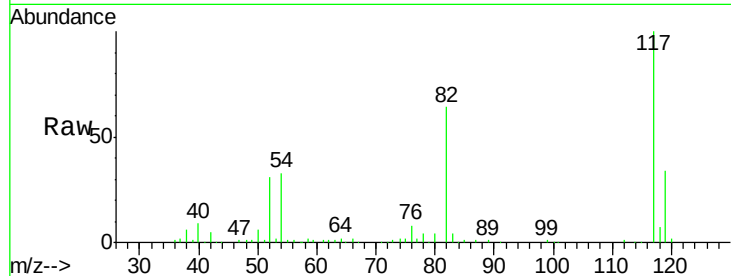
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.16 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.4	51.5	77.3
119	33.9	27.1	40.7

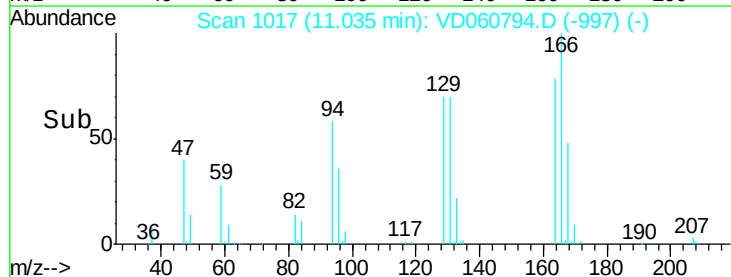
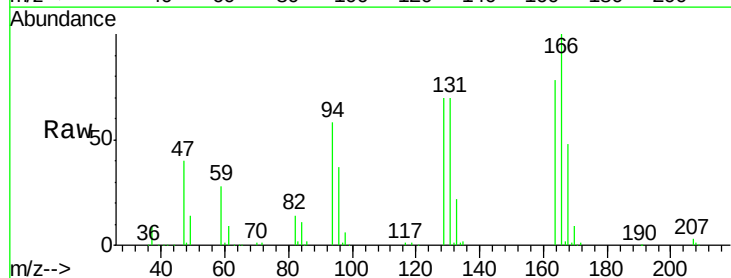
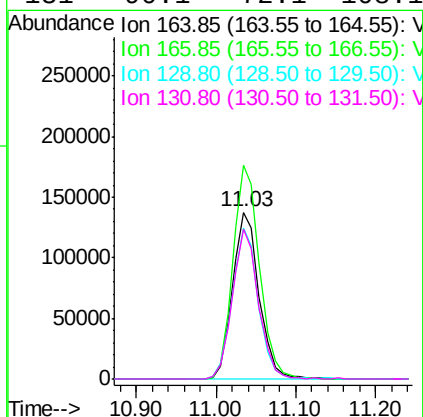
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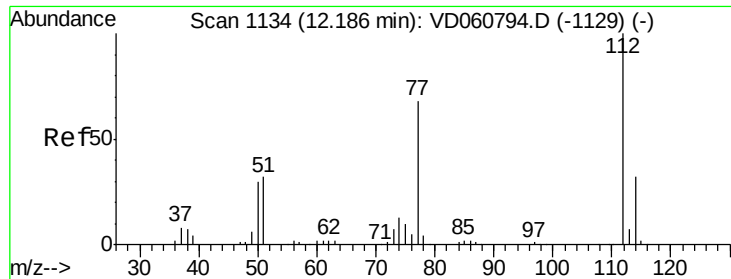
MMDadoda
1/29/2019 4:55:41 PM



#64
Tetrachloroethene
Concen: 54.253 ug/l
RT: 11.03 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	102.6	154.0
129	90.4	72.3	108.5
131	90.1	72.1	108.1





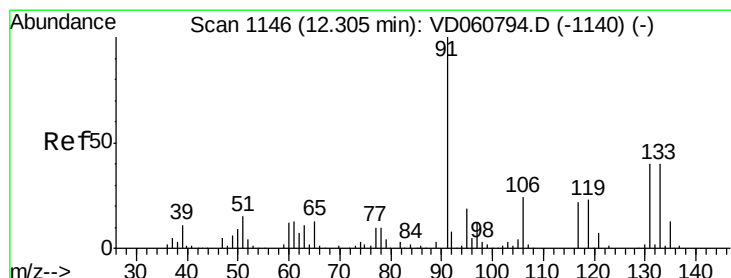
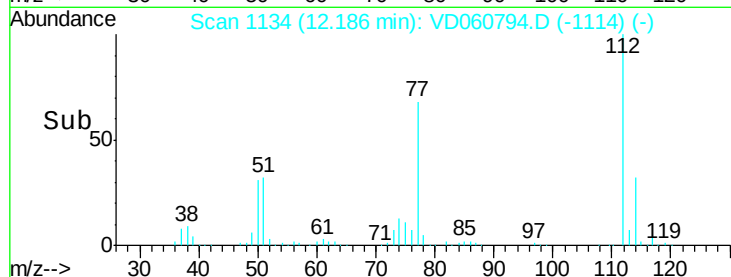
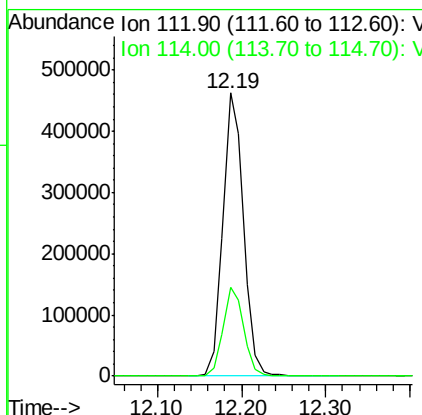
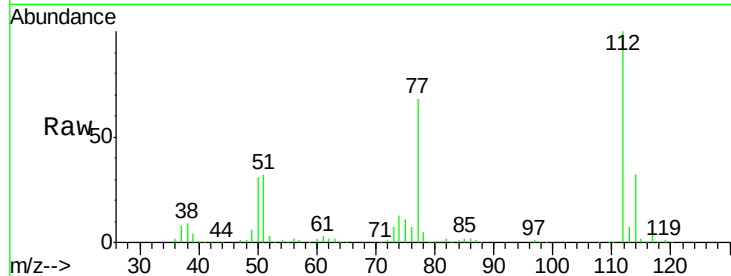
#65
Chlorobenzene
Concen: 53.747 ug/l
RT: 12.19 min Scan# 1134
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 783753
Ion Ratio Lower Upper
112 100
114 31.5 25.2 37.8

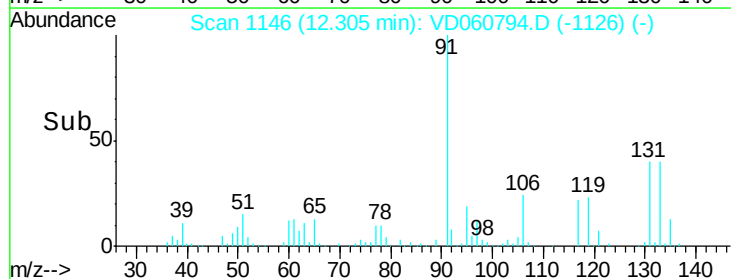
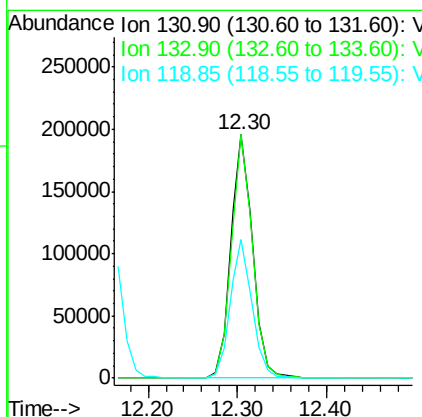
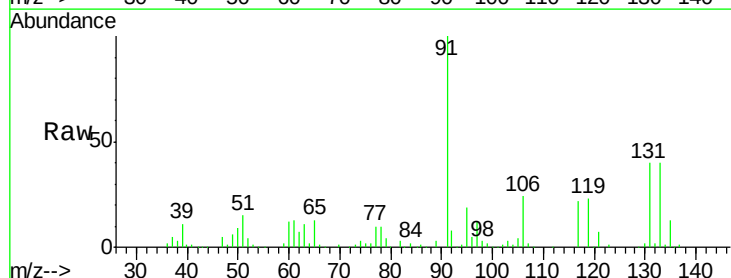
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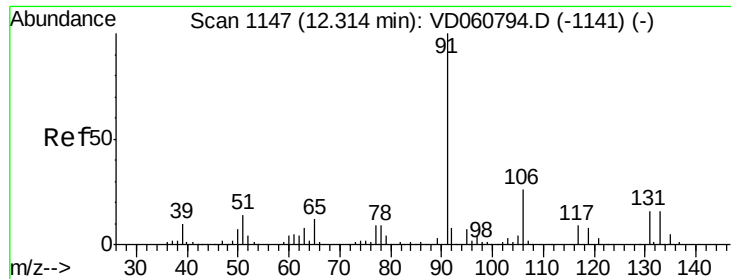
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.696 ug/l
RT: 12.30 min Scan# 1146
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Tgt Ion:131 Resp: 336405
Ion Ratio Lower Upper
131 100
133 99.8 49.9 149.7
119 57.0 28.5 85.5





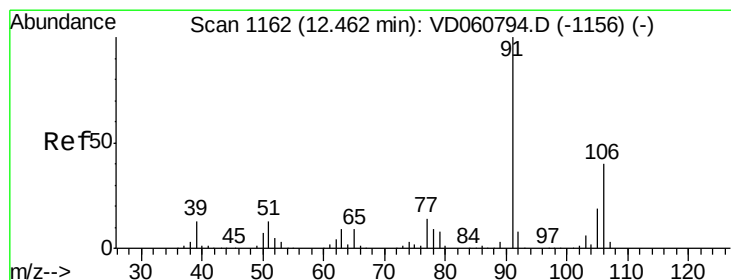
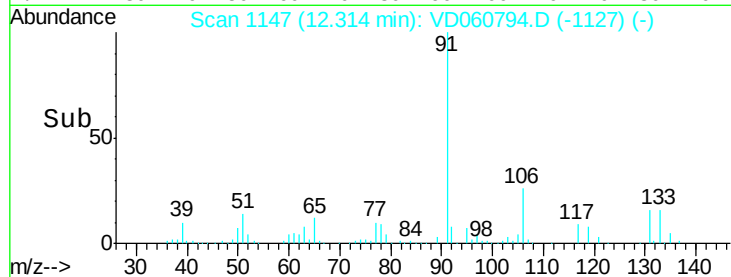
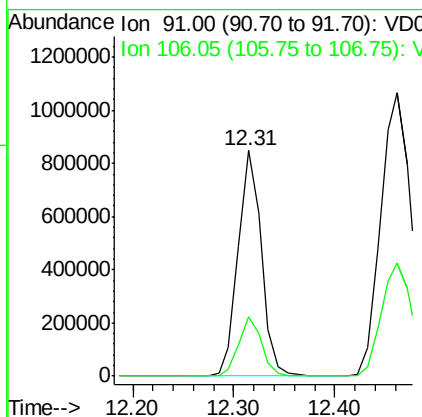
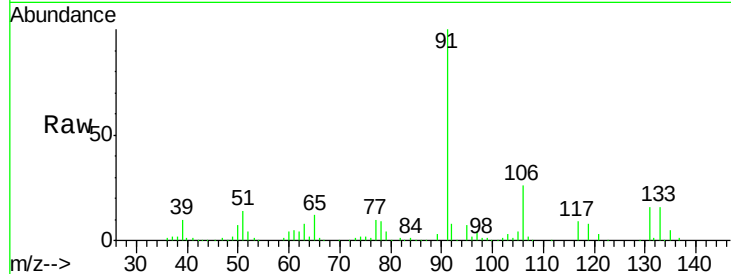
#67
Ethyl Benzene
Concen: 52.011 ug/l
RT: 12.31 min Scan# 1147
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1363810
Ion Ratio Lower Upper
91 100
106 26.3 21.0 31.6

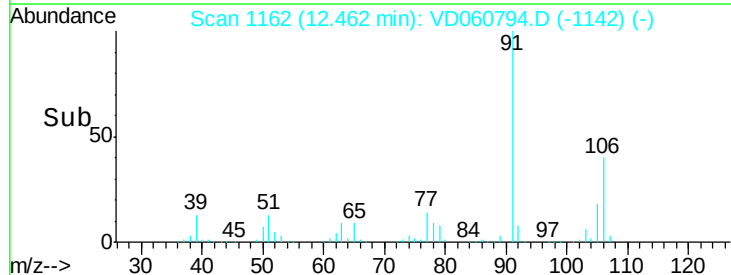
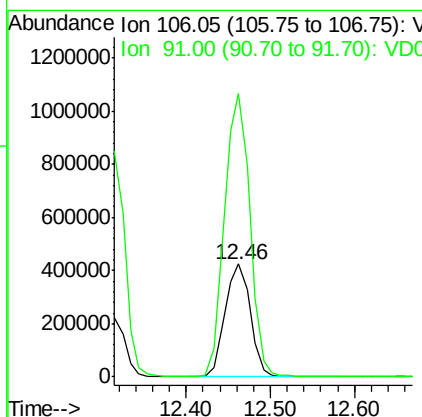
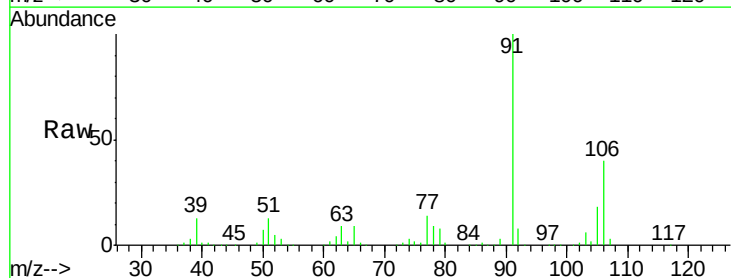
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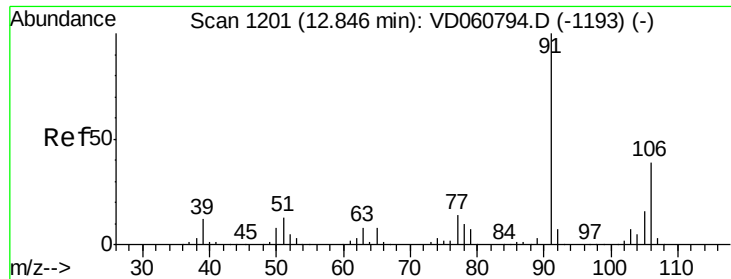
MMDadoda
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#68
m/p-Xylenes
Concen: 103.264 ug/l
RT: 12.46 min Scan# 1162
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Tgt Ion: 106 Resp: 880948
Ion Ratio Lower Upper
106 100
91 250.6 200.5 300.7





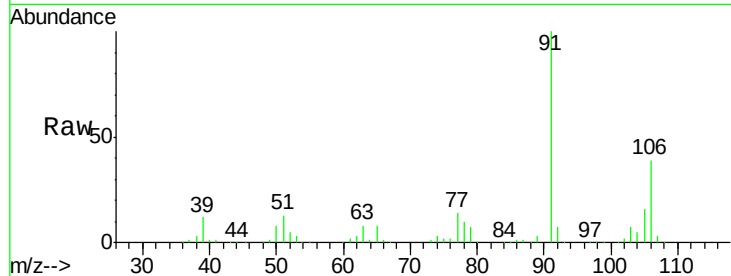
#69
o-Xylene
Concen: 50.574 ug/l
RT: 12.85 min Scan# 1201
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

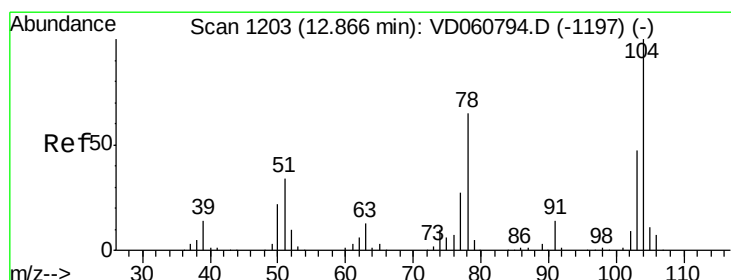
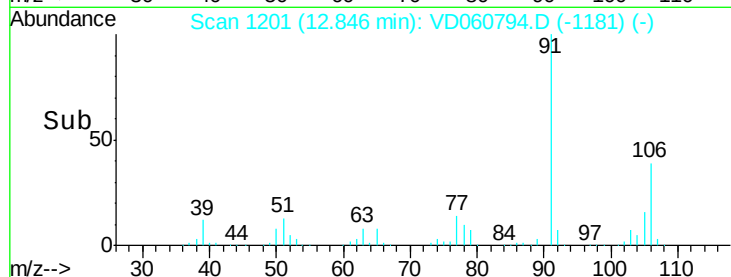
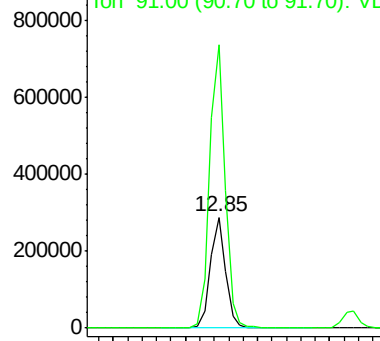
Tot Ion:106 Resp: 427023
Ion Ratio Lower Upper
106 100
91 255.1 127.6 382.7

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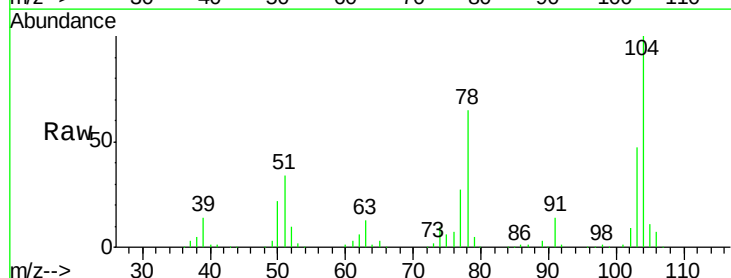


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

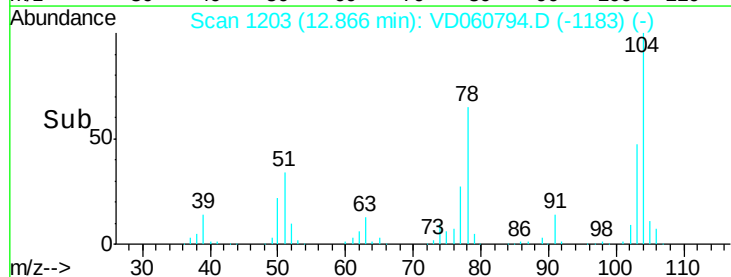
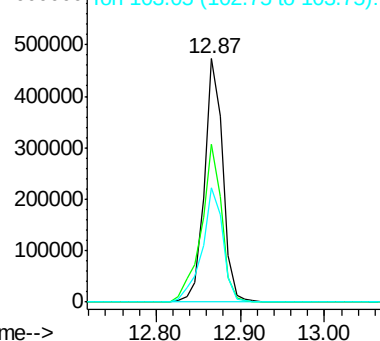


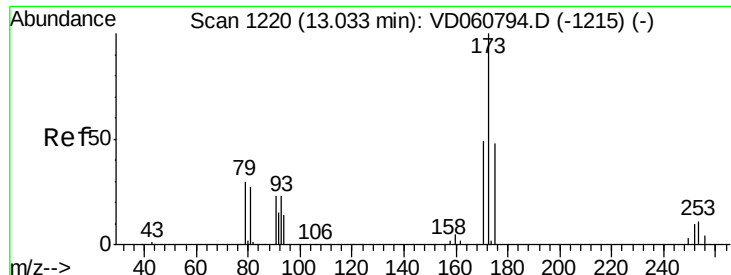
#70
Styrene
Concen: 50.312 ug/l
RT: 12.87 min Scan# 1203
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Tgt Ion:104 Resp: 712372
Ion Ratio Lower Upper
104 100
78 65.0 52.0 78.0
103 47.1 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





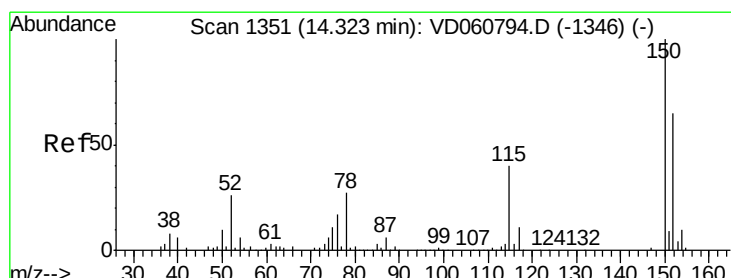
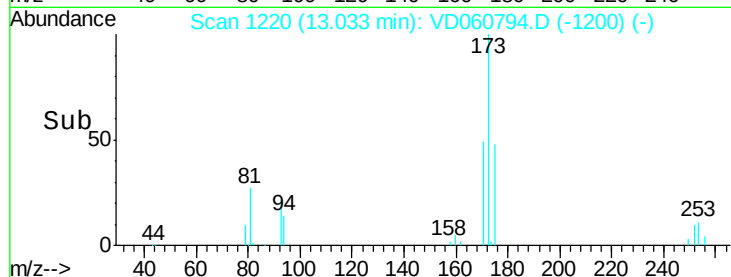
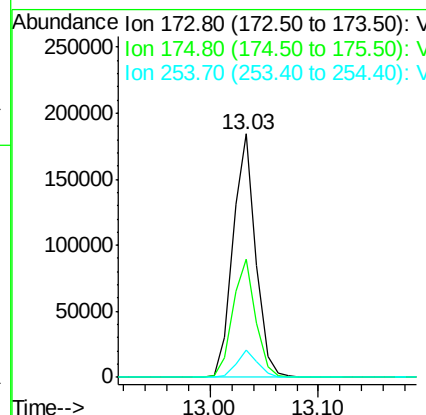
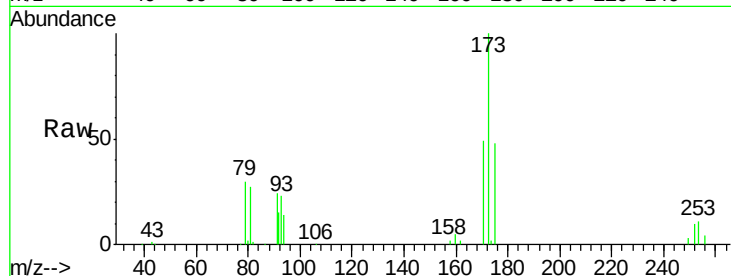
#71
Bromoform
Concen: 56.885 ug/l
RT: 13.03 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.1	72.4
254	11.4	9.1	13.7

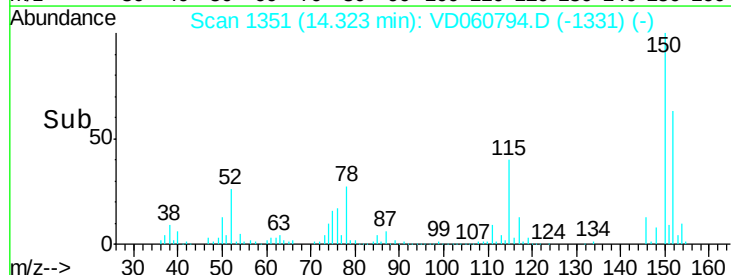
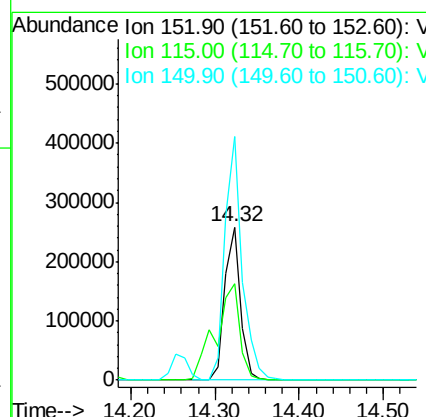
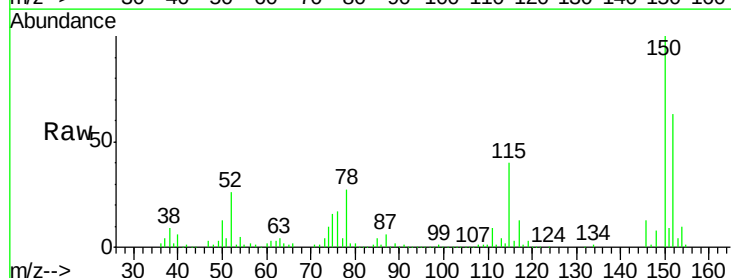
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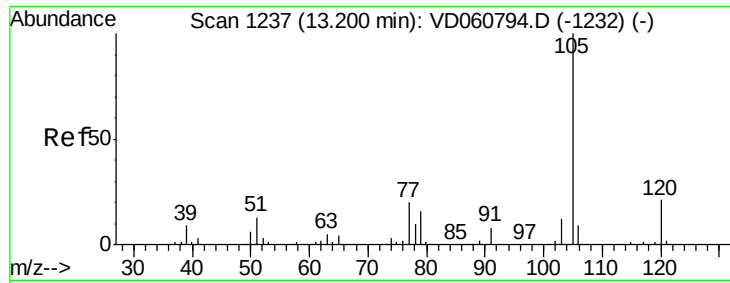
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.32 min Scan# 1351
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.3	31.6	95.0
150	158.8	0.0	317.6





#73

Isopropylbenzene

Concen: 52.164 ug/l

RT: 13.20 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1390064

Ion Ratio Lower Upper

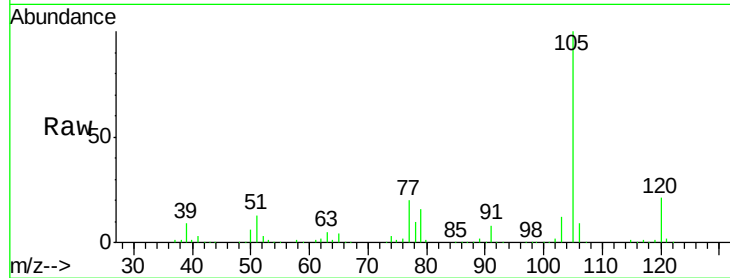
105 100

120 21.4 10.7 32.1

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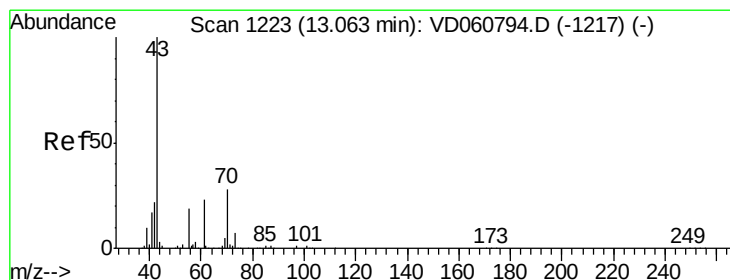
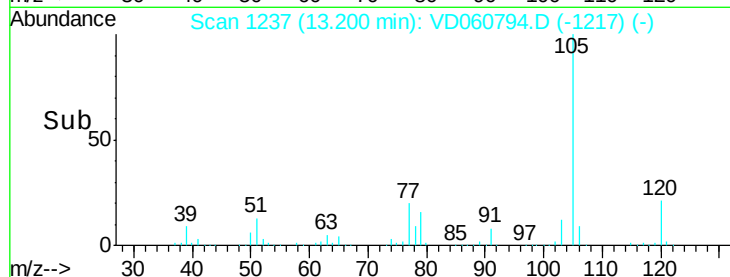
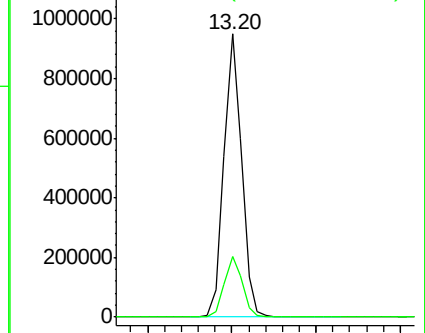
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 54.281 ug/l

RT: 13.06 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

Tgt Ion: 43 Resp: 444683

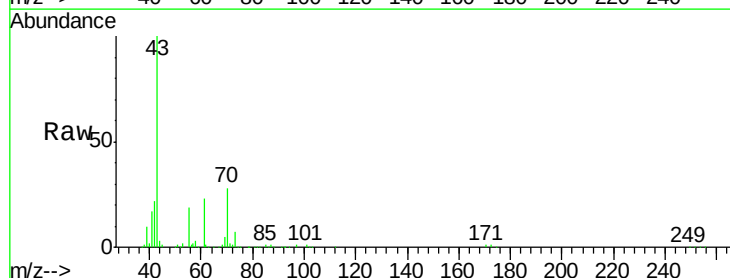
Ion Ratio Lower Upper

43 100

70 27.8 22.2 33.4

55 19.4 15.5 23.3

61 23.0 18.4 27.6

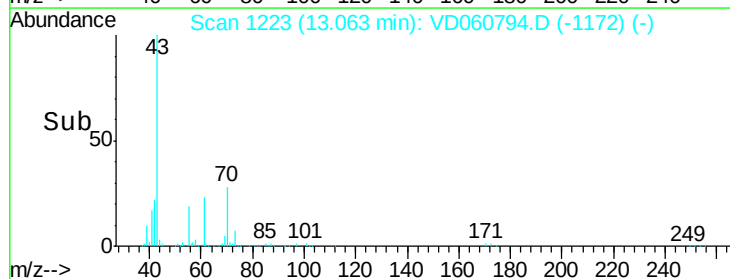
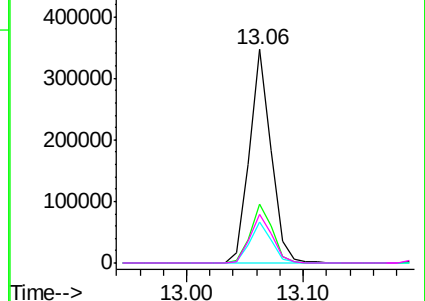


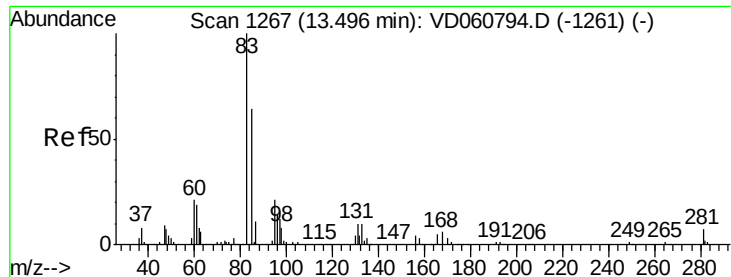
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 53.913 ug/l

RT: 13.50 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

Instrument :

MSVOA_D

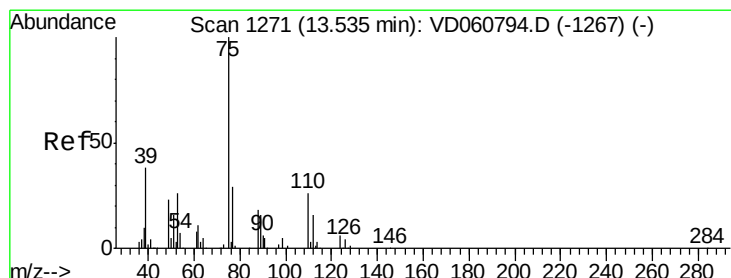
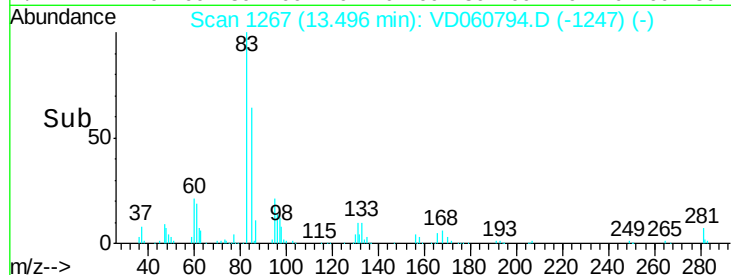
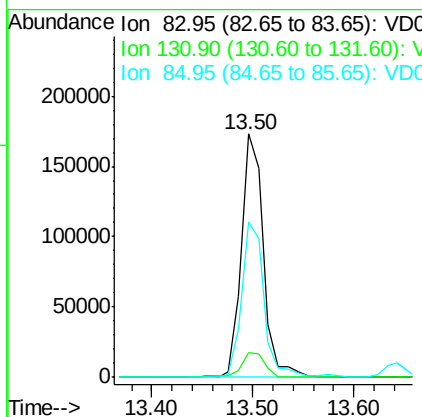
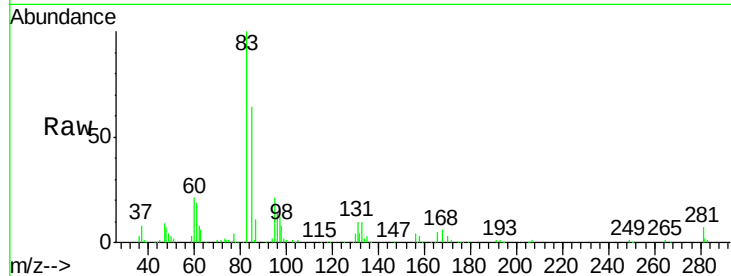
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	261587
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.0	15.0
85	63.6	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 53.889 ug/l

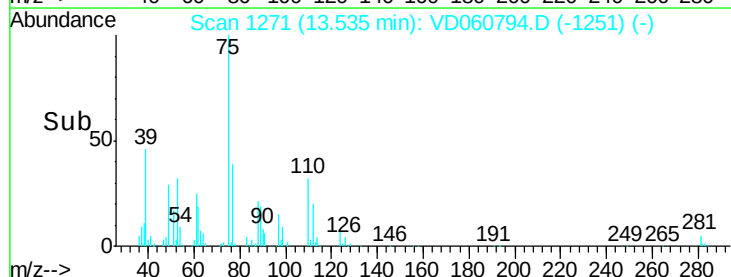
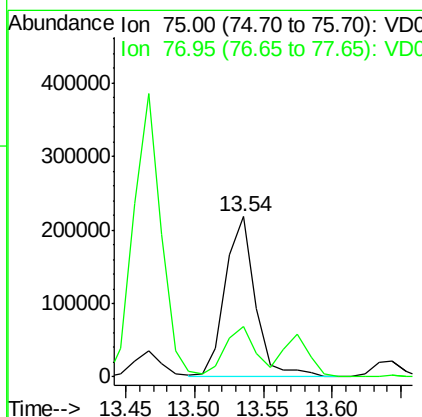
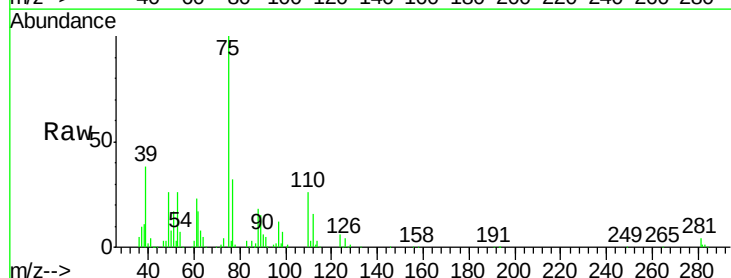
RT: 13.54 min Scan# 1271

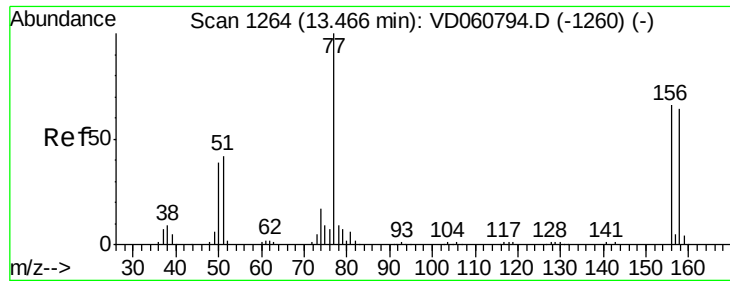
Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

Tgt Ion:	75	Resp:	330277
Ion Ratio	Lower	Upper	
75	100		
77	31.8	15.9	47.7





#77

Bromobenzene

Concen: 49.991 ug/l

RT: 13.47 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

Instrument :

MSVOA_D

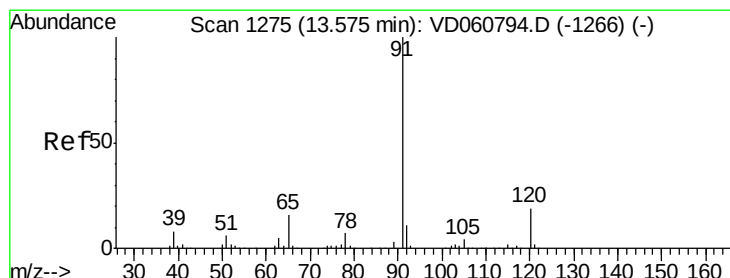
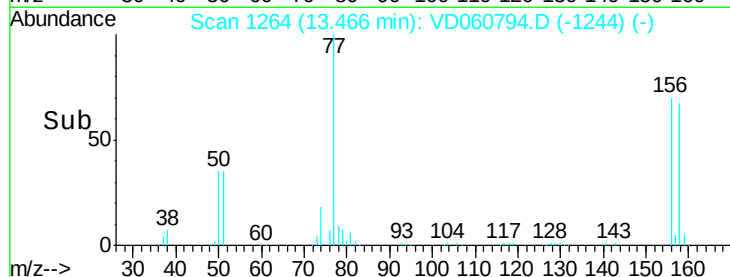
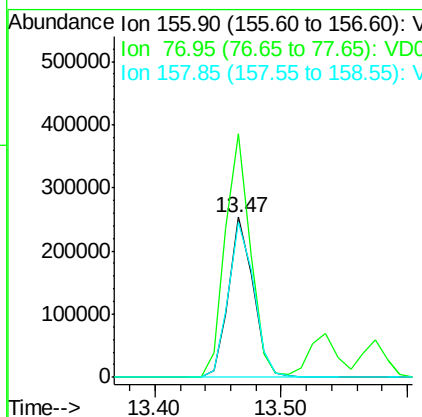
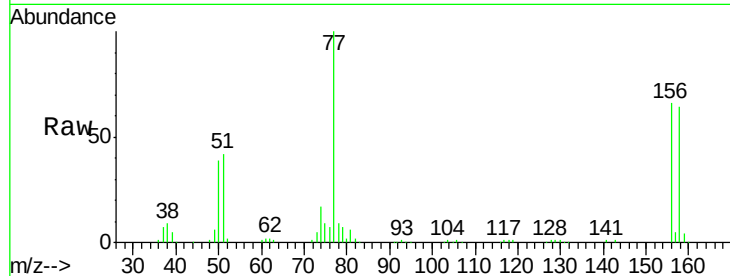
ClientSampleId :

VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	152.0	76.0	228.0	
158	96.7	48.4	145.0	

Manual Integrations
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#78

n-propylbenzene

Concen: 49.722 ug/l

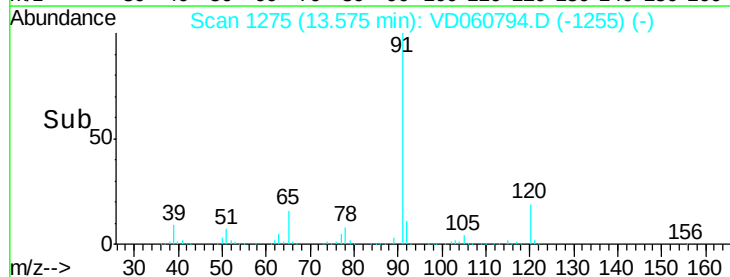
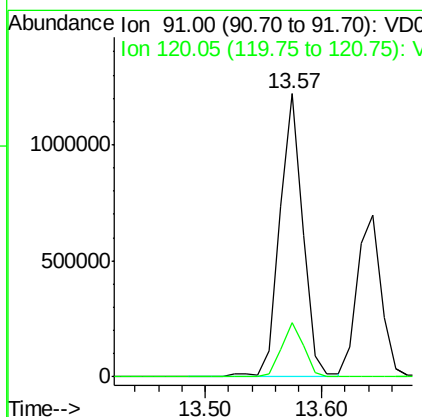
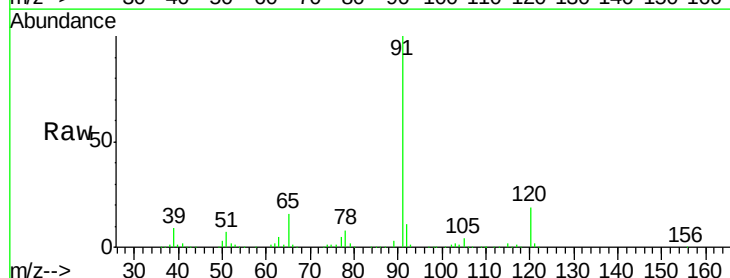
RT: 13.57 min Scan# 1275

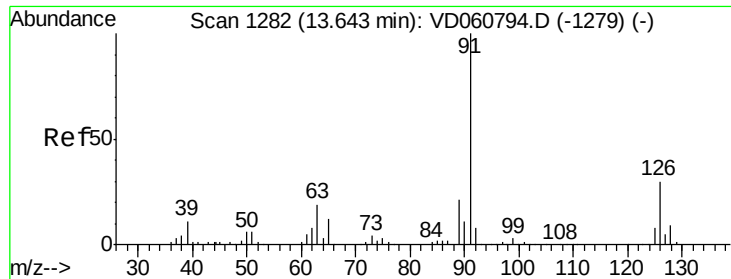
Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	19.3	9.7	28.9	





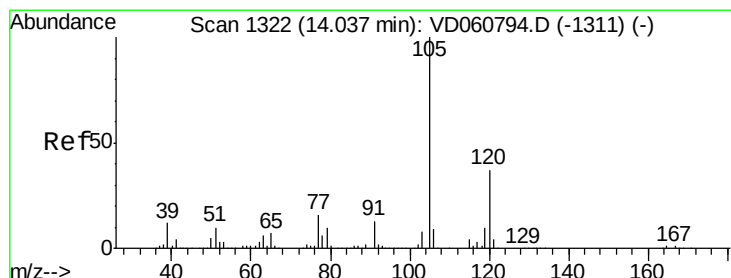
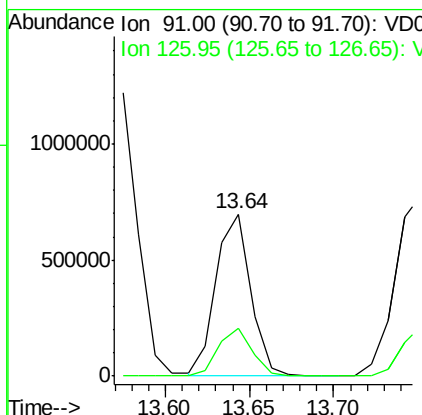
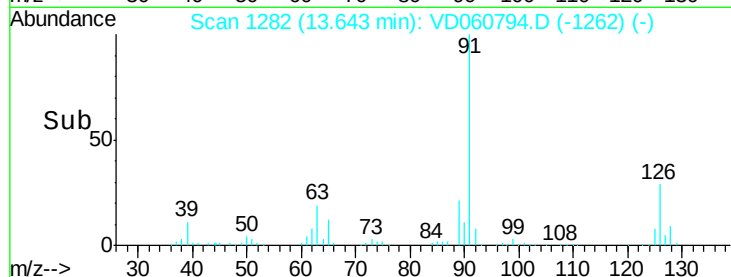
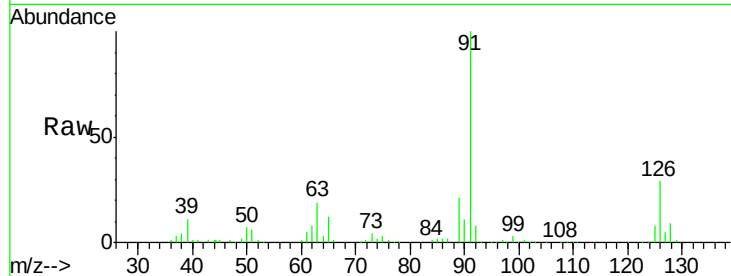
#79
2-Chlorotoluene
Concen: 49.151 ug/l
RT: 13.64 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1002866
Ion Ratio Lower Upper
91 100
126 29.4 14.7 44.1

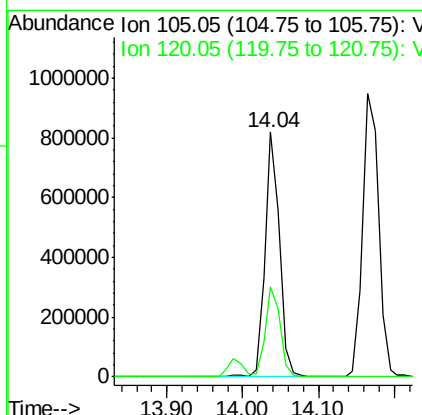
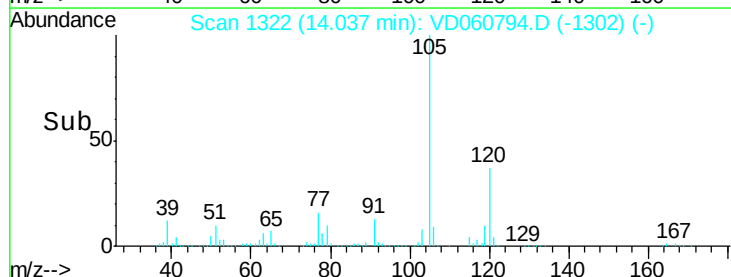
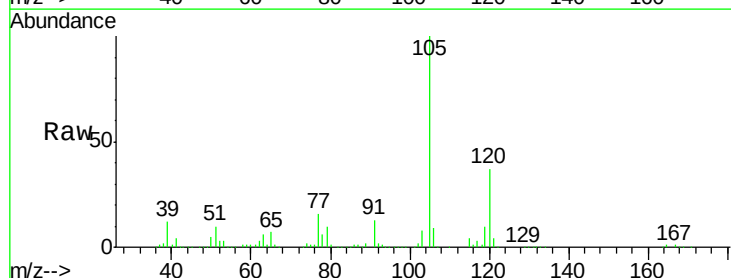
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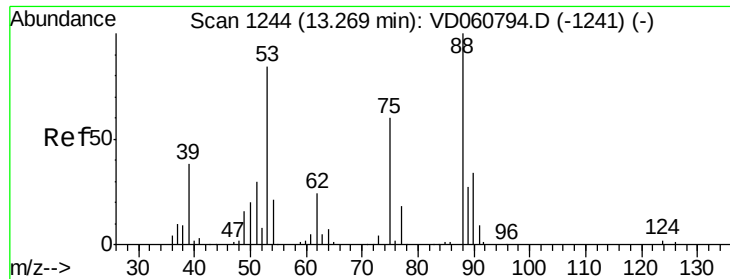
MMDadoda
1/29/2019 4:55:41 PM



#80
1,3,5-Trimethylbenzene
Concen: 48.380 ug/l
RT: 14.04 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Tgt Ion: 105 Resp: 1109873
Ion Ratio Lower Upper
105 100
120 36.8 18.4 55.2





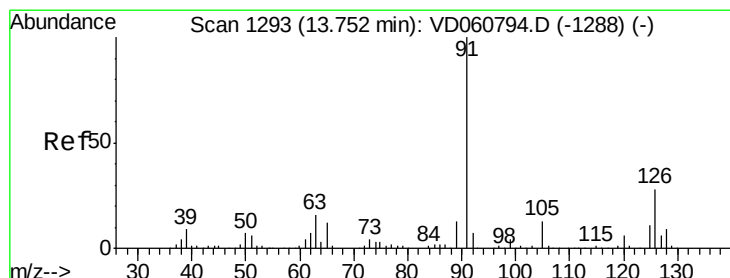
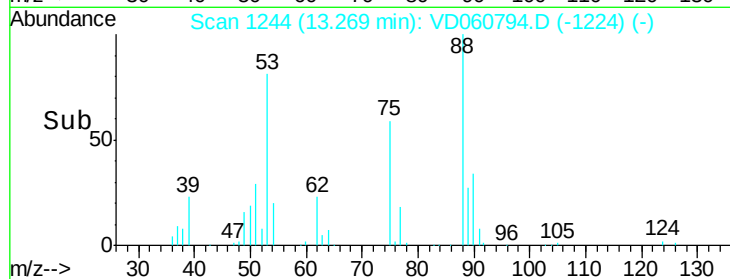
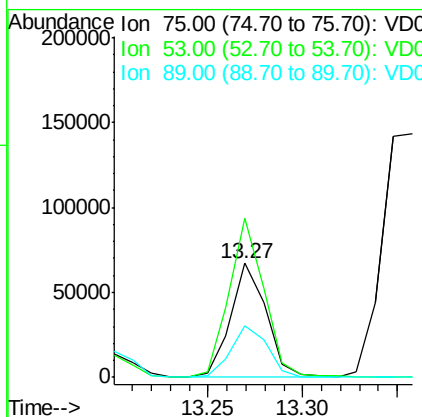
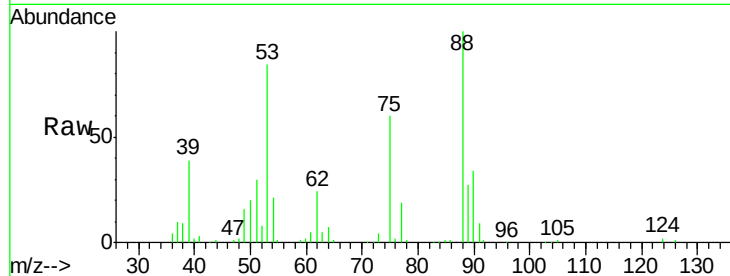
#81
trans-1,4-Dichloro-2-butene
Concen: 54.753 ug/l
RT: 13.27 min Scan# 1244
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	139.5	111.6	167.4
89	44.9	35.9	53.9

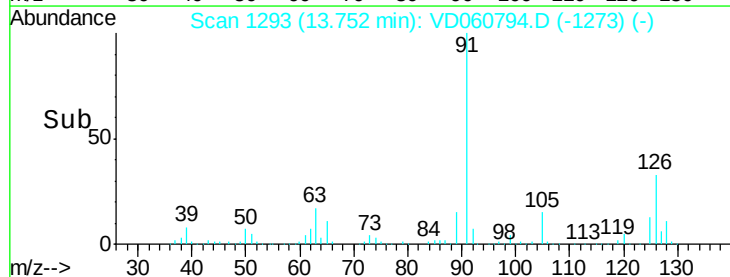
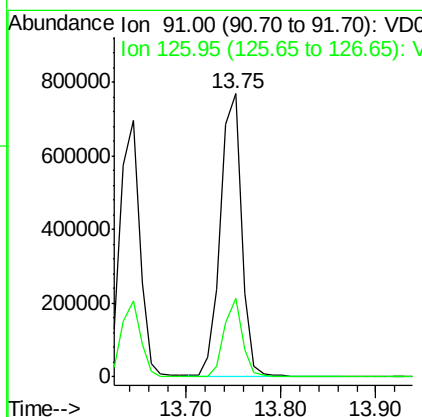
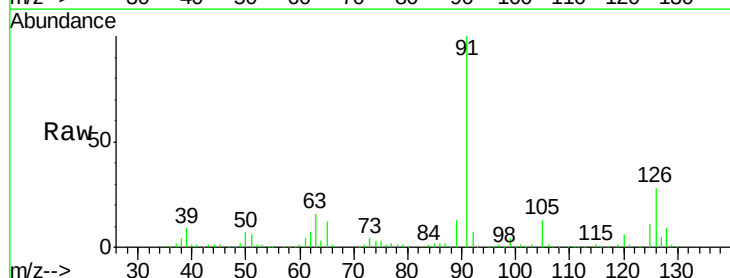
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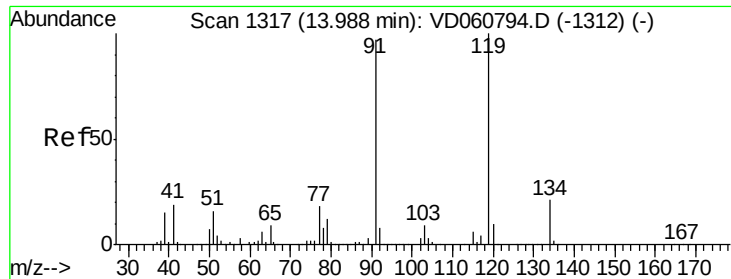
MMDadoda
1/29/2019 4:55:41 PM



#82
4-Chlorotoluene
Concen: 52.622 ug/l
RT: 13.75 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.8	13.9	41.7





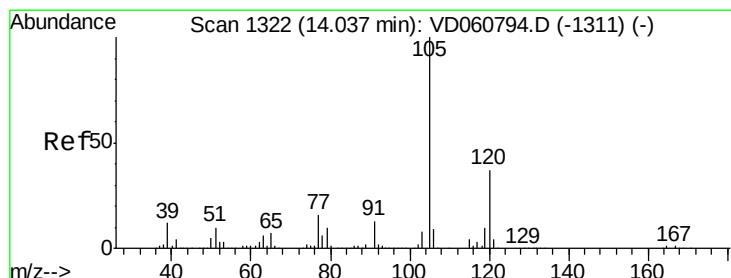
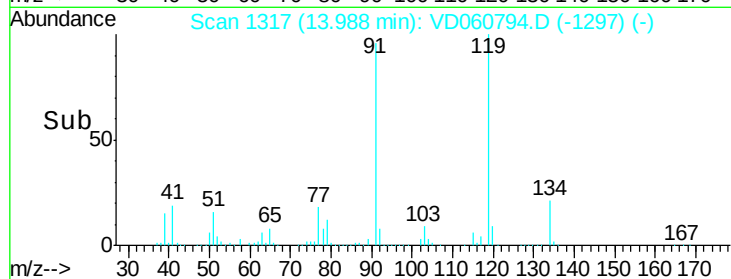
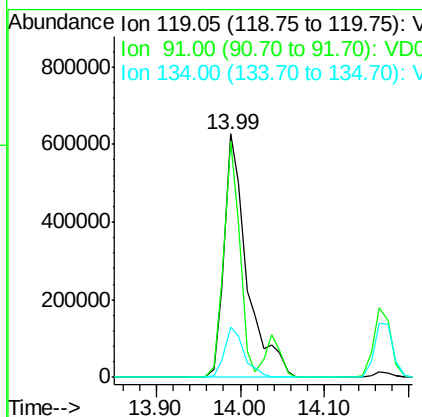
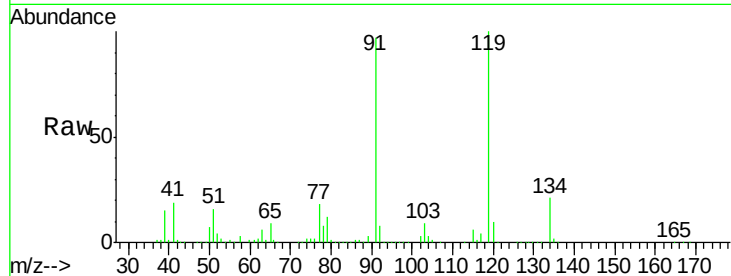
#83
 tert-Butylbenzene
 Concen: 49.258 ug/l
 RT: 13.99 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VD060794.D
 Acq: 28 Jan 2019 16:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:119 Resp: 1182250
 Ion Ratio Lower Upper
 119 100
 91 97.0 48.5 145.5
 134 20.5 10.3 30.8

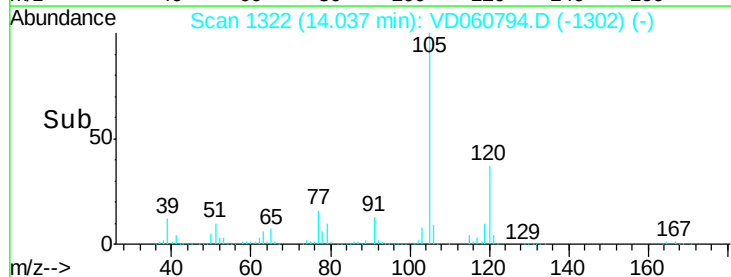
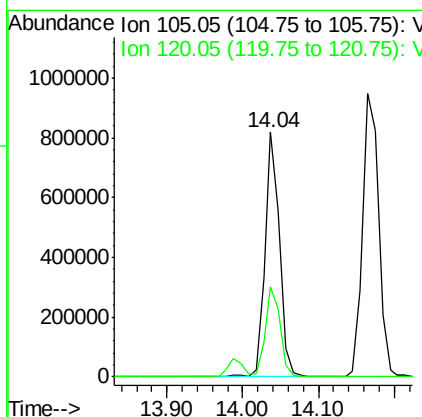
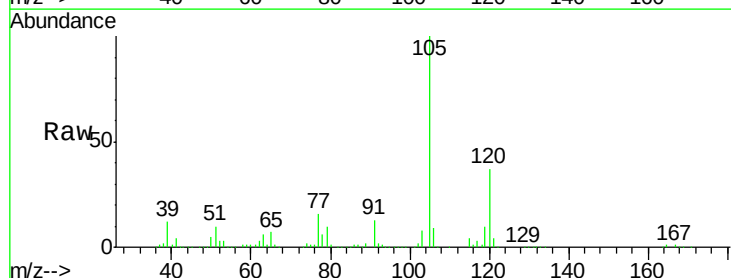
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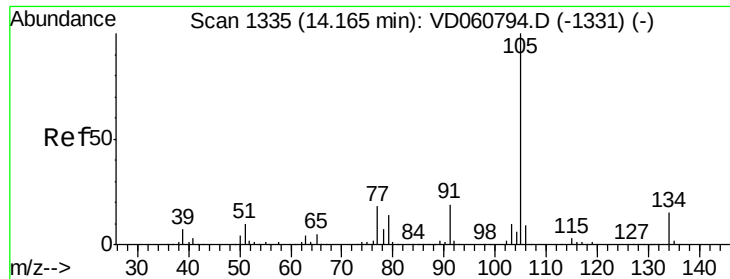
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.380 ug/l
 RT: 14.04 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VD060794.D
 Acq: 28 Jan 2019 16:39

Tgt Ion:105 Resp: 1109873
 Ion Ratio Lower Upper
 105 100
 120 36.8 18.4 55.2





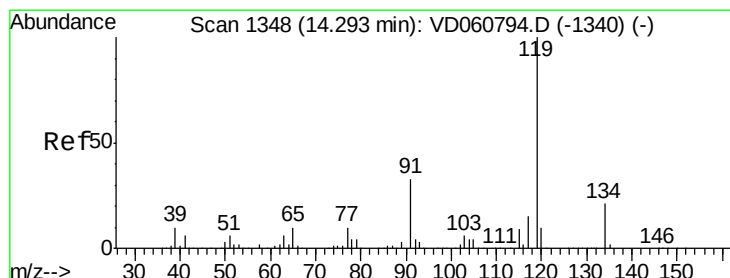
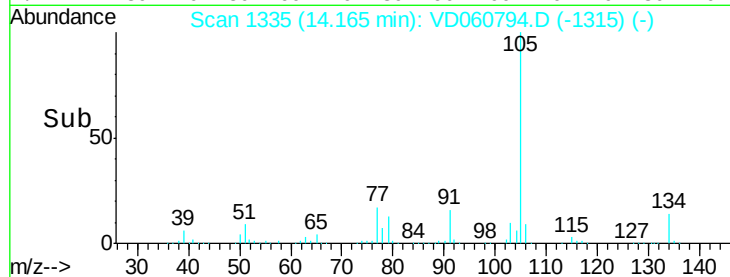
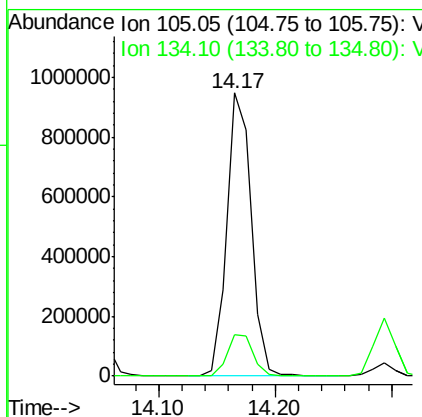
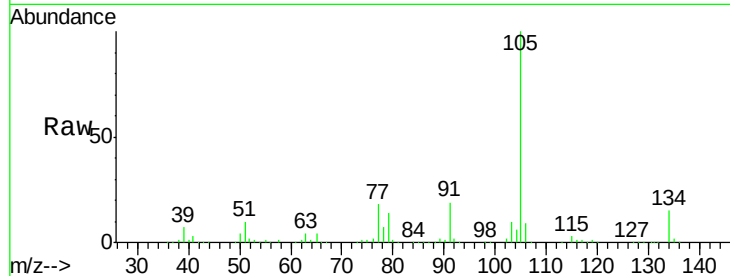
#85
 sec-Butylbenzene
 Concen: 50.143 ug/l
 RT: 14.17 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: VD060794.D
 Acq: 28 Jan 2019 16:39

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDICCC050

Tot Ion:105 Resp: 1369963
 Ion Ratio Lower Upper
 105 100
 134 14.8 7.4 22.2

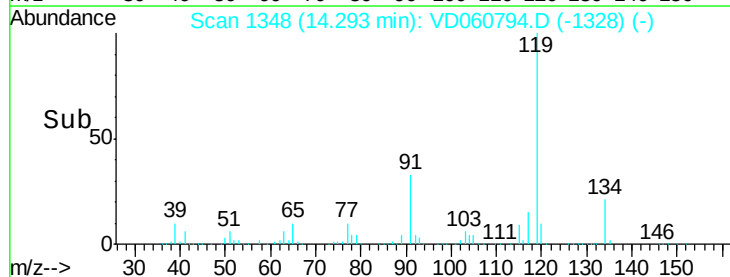
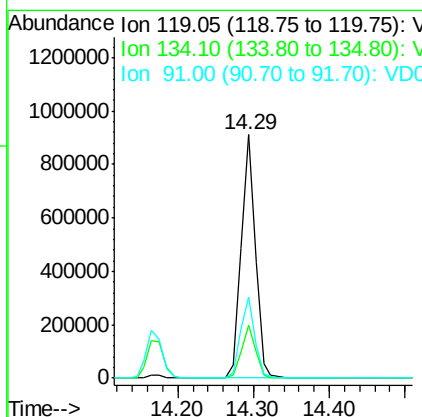
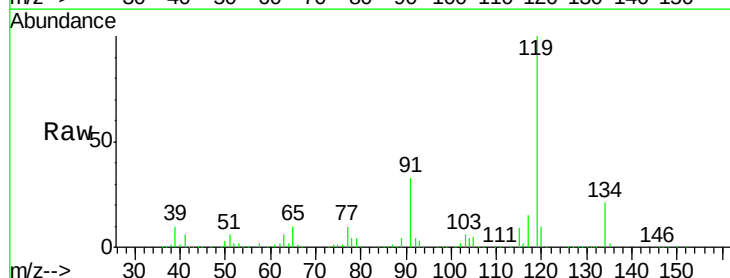
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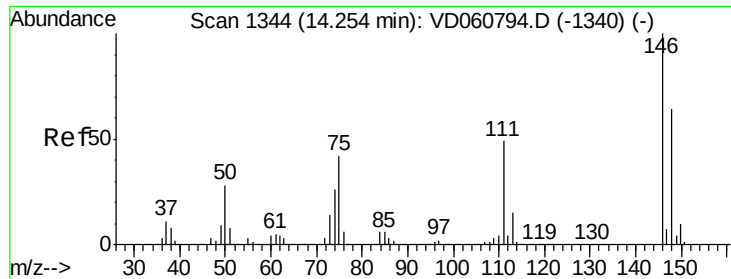
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#86
 p-Isopropyltoluene
 Concen: 52.364 ug/l
 RT: 14.29 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VD060794.D
 Acq: 28 Jan 2019 16:39

Tgt Ion:119 Resp: 1161523
 Ion Ratio Lower Upper
 119 100
 134 21.5 10.8 32.3
 91 33.3 16.7 50.0





#87

1,3-Dichlorobenzene

Concen: 50.193 ug/l

RT: 14.25 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:146 Resp: 614972

Ion Ratio Lower Upper

146 100

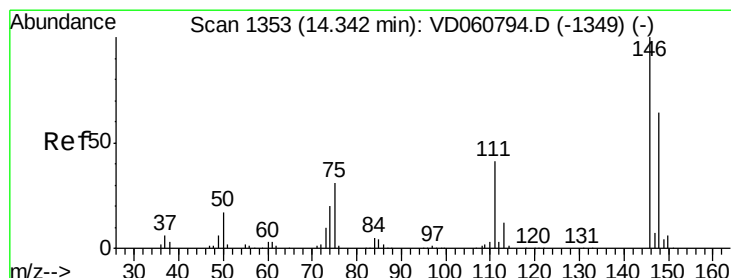
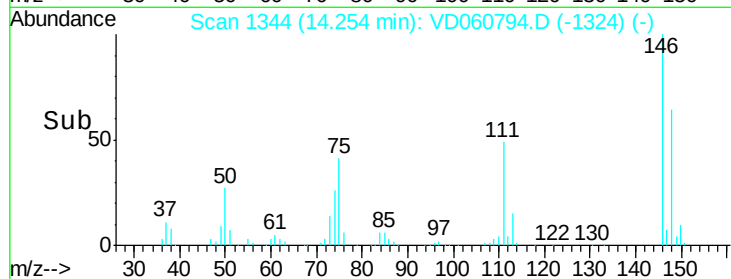
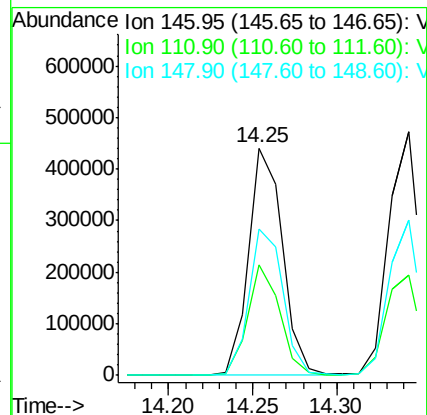
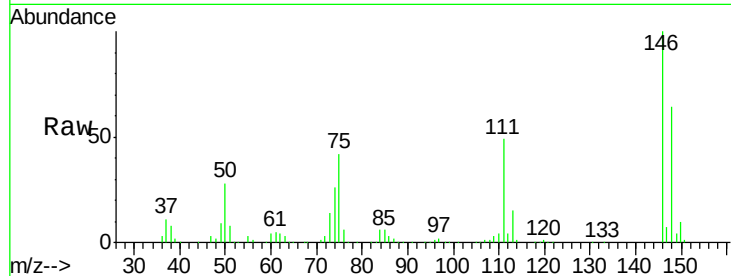
111 48.7 24.3 73.0

148 64.3 32.1 96.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 52.921 ug/l

RT: 14.34 min Scan# 1353

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

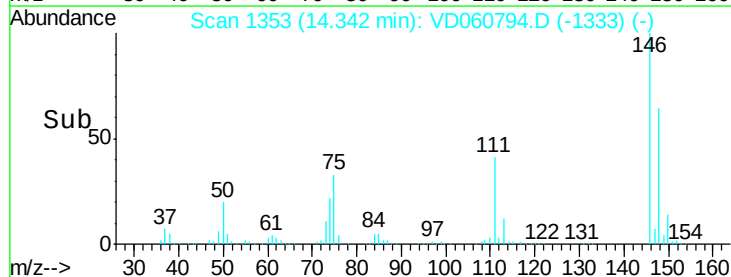
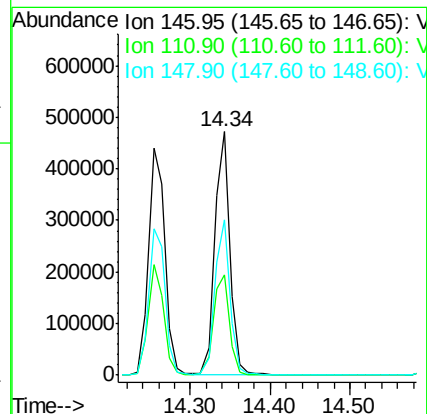
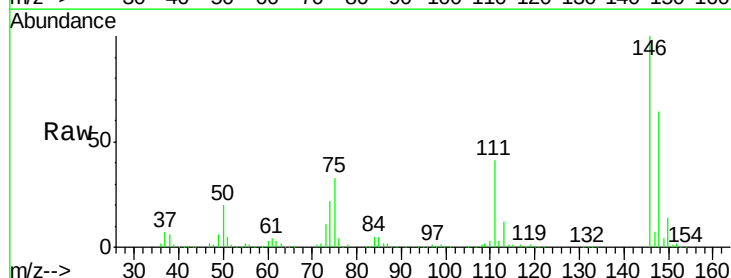
Tgt Ion:146 Resp: 629993

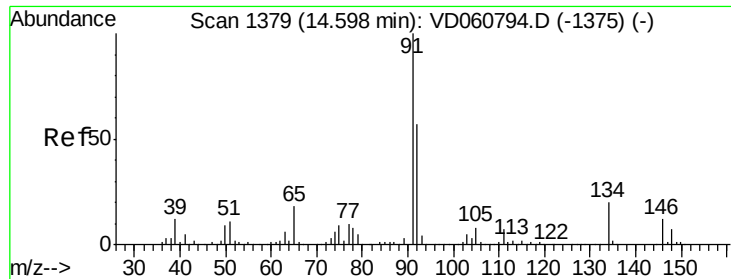
Ion Ratio Lower Upper

146 100

111 41.2 20.6 61.8

148 63.8 31.9 95.7





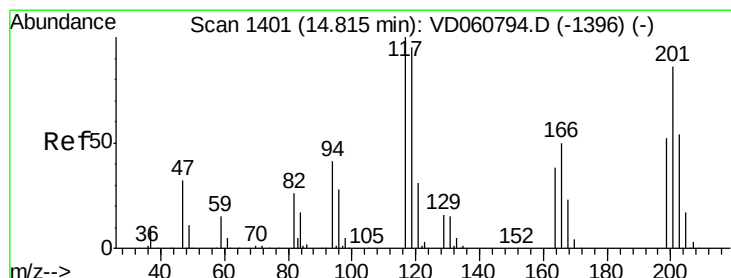
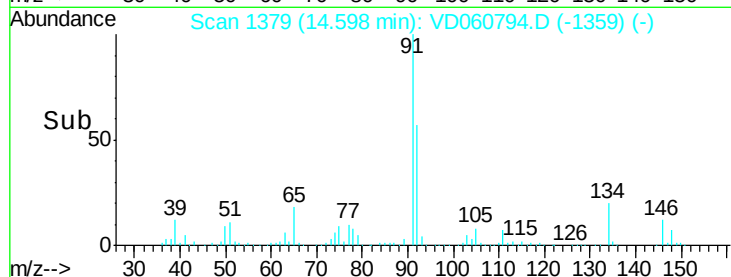
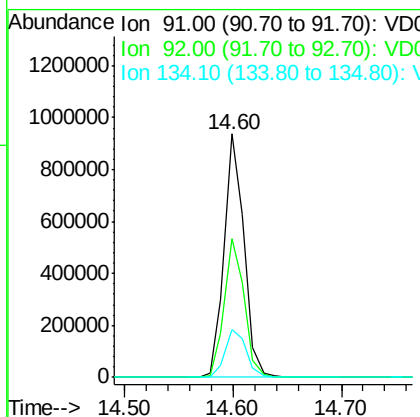
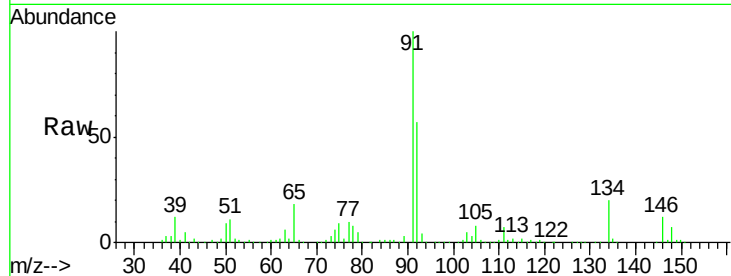
#89
n-Butylbenzene
Concen: 51.639 ug/l
RT: 14.60 min Scan# 1379
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1195092
Ion Ratio Lower Upper
91 100
92 57.0 28.5 85.5
134 19.9 10.0 29.8

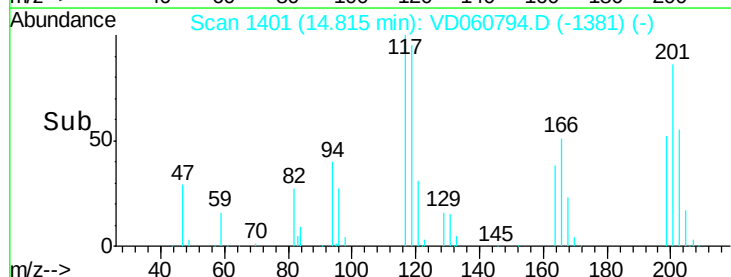
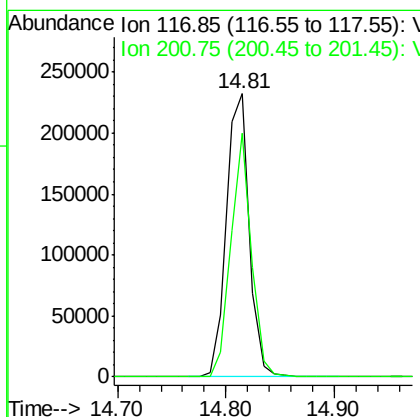
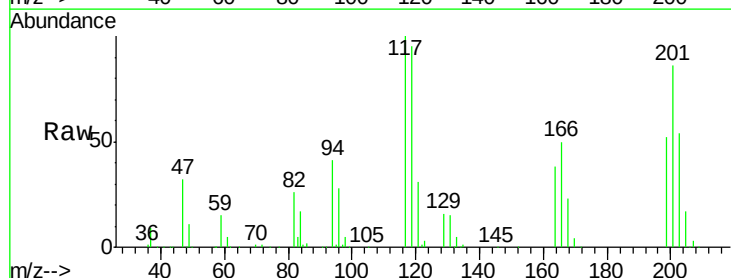
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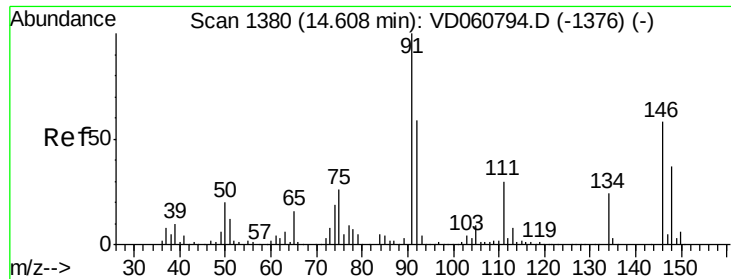
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#90
Hexachloroethane
Concen: 51.824 ug/l
RT: 14.81 min Scan# 1401
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Tgt Ion: 117 Resp: 342083
Ion Ratio Lower Upper
117 100
201 85.9 43.0 128.8





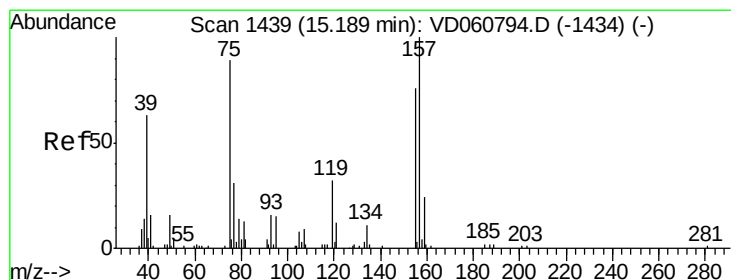
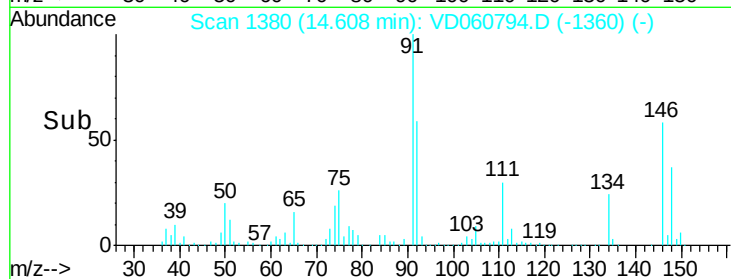
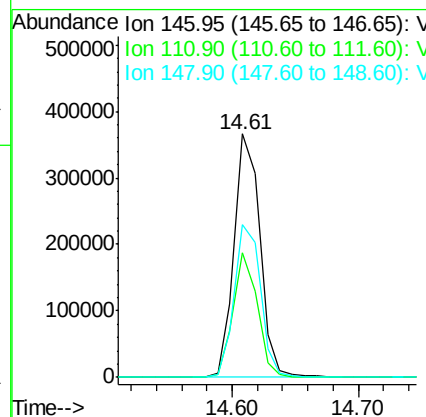
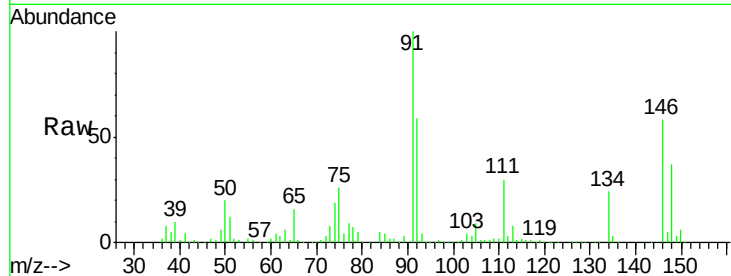
#91
 1,2-Dichlorobenzene
 Concen: 50.842 ug/l
 RT: 14.61 min Scan# 1380
 Delta R.T. 0.00 min
 Lab File: VD060794.D
 Acq: 28 Jan 2019 16:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	51.2	25.6	76.8
148	62.9	31.4	94.3

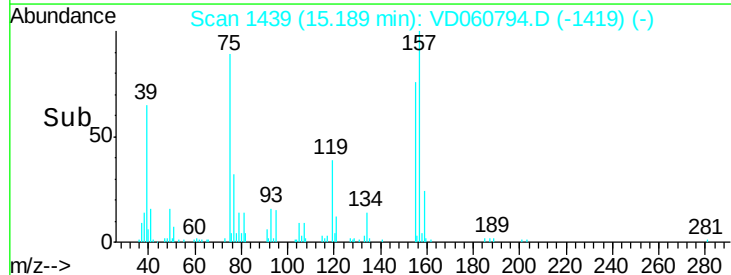
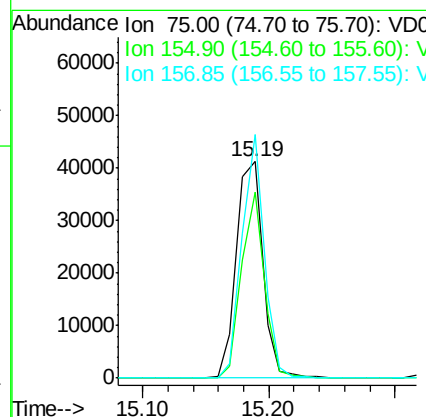
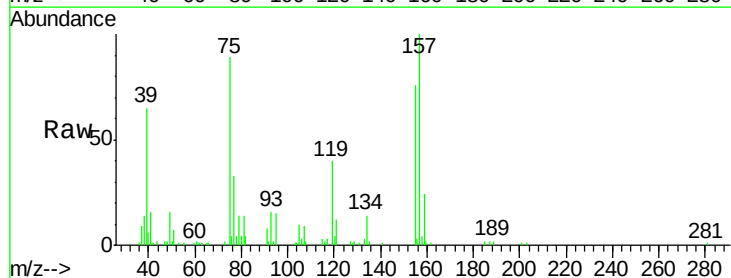
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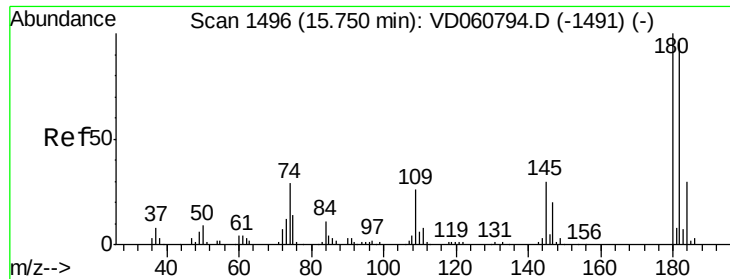
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.895 ug/l
 RT: 15.19 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VD060794.D
 Acq: 28 Jan 2019 16:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.0	43.0	129.0
157	112.6	56.3	168.9





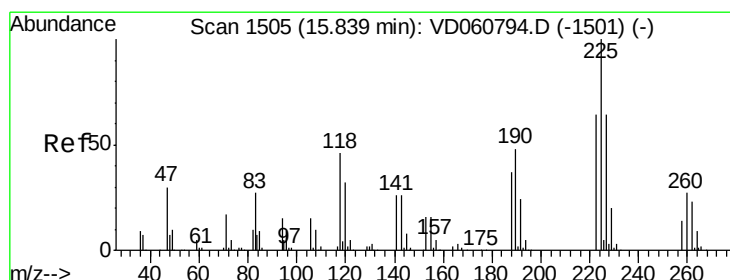
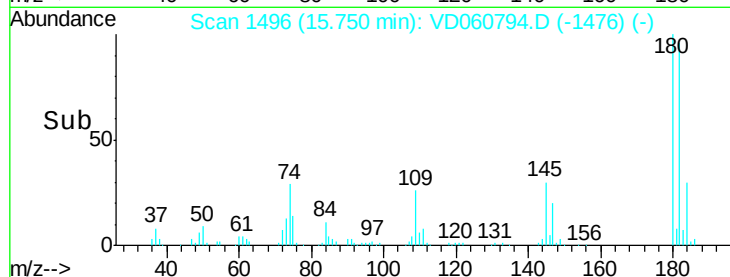
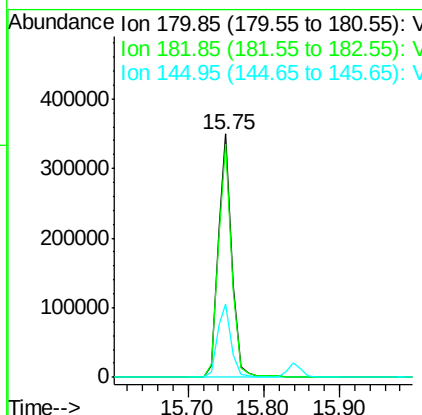
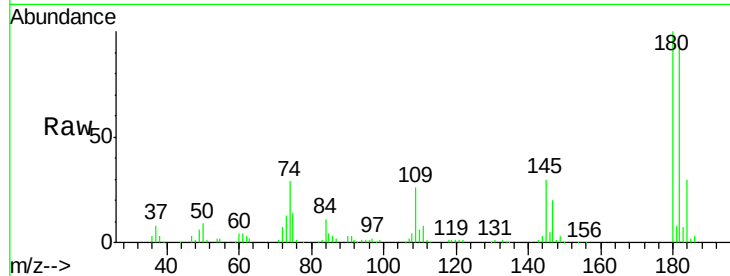
#93
 1,2,4-Trichlorobenzene
 Concen: 50.393 ug/l
 RT: 15.75 min Scan# 1496
 Delta R.T. 0.00 min
 Lab File: VD060794.D
 Acq: 28 Jan 2019 16:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	443751		
182	95.8	47.9	143.7	
145	30.1	15.0	45.1	

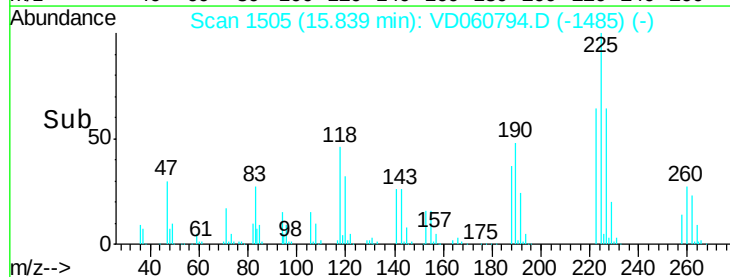
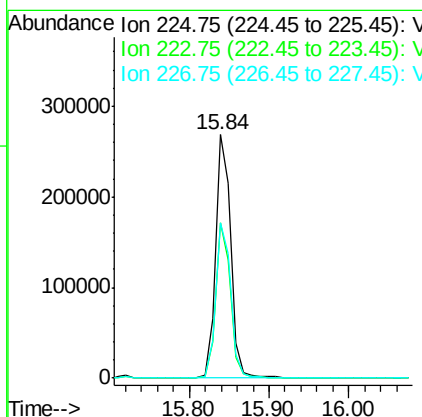
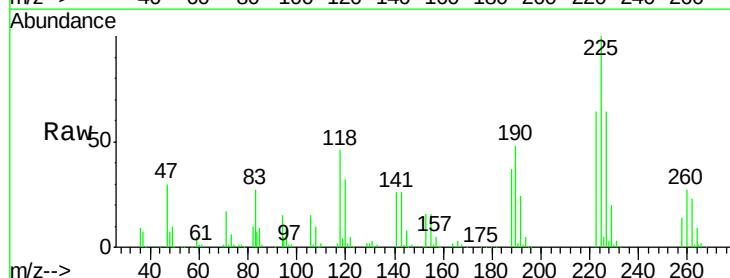
Manual Integrations
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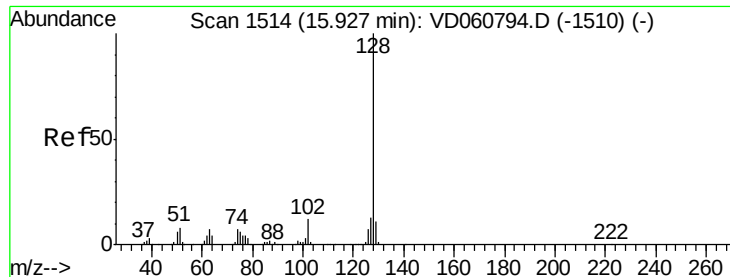
MMDadoda
 1/29/2019 4:55:41 PM



#94
 Hexachlorobutadiene
 Concen: 54.586 ug/l
 RT: 15.84 min Scan# 1505
 Delta R.T. 0.00 min
 Lab File: VD060794.D
 Acq: 28 Jan 2019 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	360653		
223	63.6	31.8	95.4	
227	63.7	31.9	95.5	





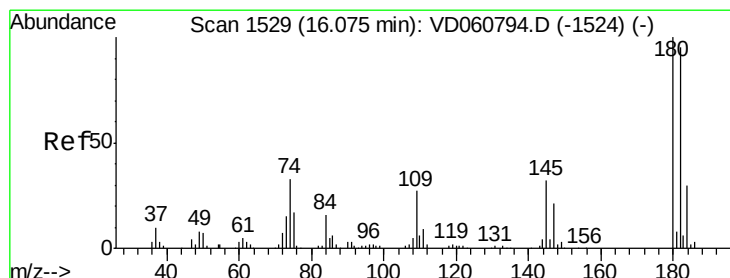
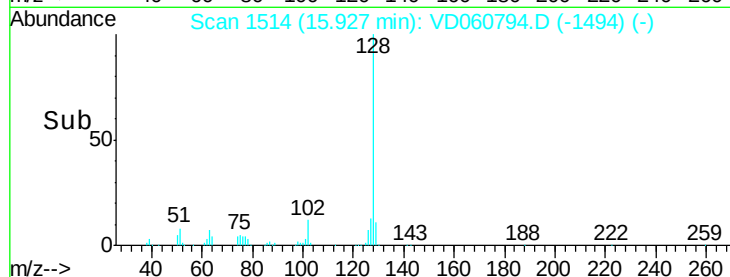
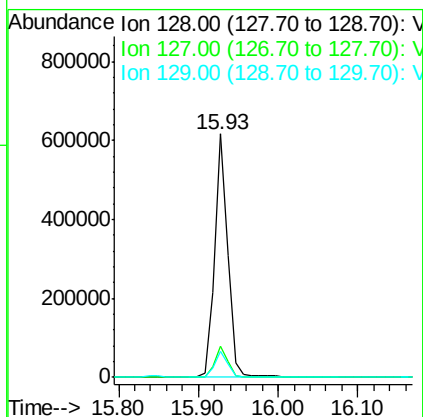
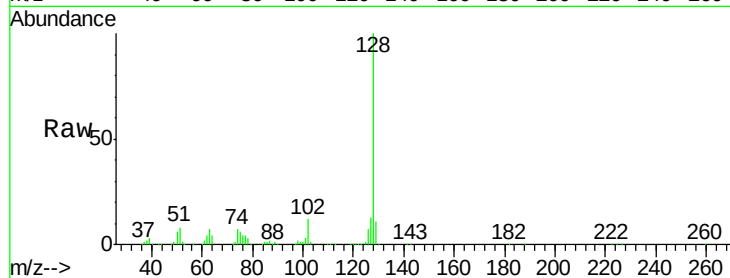
#95
Naphthalene
Concen: 53.404 ug/l
RT: 15.93 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
1/29/2019 4:55:41 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.155 ug/l
RT: 16.07 min Scan# 1529
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.4	142.3
145	31.6	15.8	47.4

