

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012819\
 Data File : VD060795.D
 Acq On : 28 Jan 2019 17:07
 Operator : JC/SY
 Sample : VSTDIC075
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

MMDadoda
 1/29/2019 4:55:46 PM

Quant Time: Jan 29 13:48:15 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	624389	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.98	114	890836	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.16	117	631989	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.32	152	332832	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.22	65	683265	71.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	142.76%	
35) Dibromofluoromethane	6.68	113	608692	71.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	142.50%	
50) Toluene-d8	10.19	98	1386964	69.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	139.04%	
62) 4-Bromofluorobenzene	13.35	95	691296	68.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	137.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	612357	80.663	ug/l	98
3) Chloromethane	1.75	50	321091	70.644	ug/l	100
4) Vinyl Chloride	1.84	62	373188	77.352	ug/l	92
5) Bromomethane	2.13	94	108083m	66.716	ug/l	
6) Chloroethane	2.24	64	123904	71.354	ug/l	87
7) Trichlorofluoromethane	2.48	101	680572	71.661	ug/l	99
8) Diethyl Ether	2.80	74	109284	78.092	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.05	101	351269	72.983	ug/l	95
10) Methyl Iodide	3.21	142	387001	76.800	ug/l	97
11) Tert butyl alcohol	3.92	59	173801	379.930	ug/l	96
12) 1,1-Dichloroethene	3.04	96	236268	71.836	ug/l	98
13) Acrolein	2.96	56	54366	292.732	ug/l #	80
14) Allyl chloride	3.50	41	544617	71.154	ug/l	98
15) Acrylonitrile	4.04	53	358715	349.970	ug/l	96
16) Acetone	3.13	43	486822m	353.464	ug/l	
17) Carbon Disulfide	3.28	76	822615	70.608	ug/l	96
18) Methyl Acetate	3.52	43	193359	70.548	ug/l	98
19) Methyl tert-butyl Ether	4.08	73	1088293	72.477	ug/l	98
20) Methylene Chloride	3.67	84	448464	63.635	ug/l	96
21) trans-1,2-Dichloroethene	4.05	96	395685	68.245	ug/l	98
22) Diisopropyl ether	4.89	45	1450762	73.554	ug/l	90
23) Vinyl Acetate	4.83	43	4199735	369.751	ug/l	98
24) 1,1-Dichloroethane	4.76	63	915059	70.869	ug/l	98
25) 2-Butanone	5.84	43	703469	397.523	ug/l	100
26) 2,2-Dichloropropane	5.79	77	957829	70.403	ug/l	96
27) cis-1,2-Dichloroethene	5.80	96	469516	71.100	ug/l	96
28) Bromochloromethane	6.19	49	361122	71.694	ug/l	99
29) Tetrahydrofuran	6.23	42	325157	382.621	ug/l	99
30) Chloroform	6.42	83	1136305	74.457	ug/l	97
31) Cyclohexane	6.71	56	638954	72.731	ug/l	97
32) 1,1,1-Trichloroethane	6.63	97	1057484	71.955	ug/l	94
36) 1,1-Dichloropropene	6.90	75	757693	71.236	ug/l	98
37) Ethyl Acetate	5.94	43	331566	69.833	ug/l #	93
38) Carbon Tetrachloride	6.87	117	953233	71.469	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.63	83	653913	73.412	ug/l	99
40) Benzene	7.22	78	1487177	70.843	ug/l	99
41) Methacrylonitrile	6.22	41	258582m	82.821	ug/l	
42) 1,2-Dichloroethane	7.34	62	847482	69.492	ug/l	100
43) Isopropyl Acetate	9.01	43	465029	75.093	ug/l #	98
44) Trichloroethene	8.30	130	536325	75.363	ug/l	96
45) 1,2-Dichloropropane	8.70	63	441622	77.713	ug/l	99
46) Dibromomethane	8.83	93	331971	75.252	ug/l	98
47) Bromodichloromethane	9.14	83	920661	77.318	ug/l	98
48) Methyl methacrylate	8.88	41	329973	77.270	ug/l	98
49) 1,4-Dioxane	8.85	88	55299	1670.241	ug/l	94
51) 4-Methyl-2-Pentanone	10.08	43	1477643	368.461	ug/l	100
52) Toluene	10.29	92	921944	69.235	ug/l	99
53) t-1,3-Dichloropropene	10.69	75	749049	71.515	ug/l	97
54) cis-1,3-Dichloropropene	9.82	75	823601	76.681	ug/l	97
55) 1,1,2-Trichloroethane	10.97	97	337732	74.390	ug/l	98
56) Ethyl methacrylate	10.82	69	392654	71.394	ug/l	99
57) 1,3-Dichloropropane	11.19	76	543823	70.088	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.63	63	977798	338.842	ug/l	98
59) 2-Hexanone	11.32	43	1129249	374.499	ug/l	99
60) Dibromochloromethane	11.47	129	588721	72.129	ug/l	99
61) 1,2-Dibromoethane	11.59	107	392427	73.395	ug/l	96
64) Tetrachloroethene	11.04	164	453288	78.151	ug/l	97
65) Chlorobenzene	12.19	112	1069029	74.020	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.31	131	479569	77.289	ug/l	97
67) Ethyl Benzene	12.32	91	1869058	71.969	ug/l	99
68) m/p-Xylenes	12.46	106	1196300	141.587	ug/l	97
69) o-Xylene	12.85	106	629968	75.332	ug/l	97
70) Styrene	12.87	104	1079436	76.974	ug/l	97
71) Bromoform	13.04	173	389093	83.229	ug/l	97
73) Isopropylbenzene	13.20	105	1836726	69.214	ug/l	100
74) N-amyl acetate	13.06	43	644636	79.018	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.50	83	383683	79.407	ug/l	98
76) 1,2,3-Trichloropropane	13.54	75	467279	76.561	ug/l	96
77) Bromobenzene	13.47	156	494306	72.463	ug/l	99
78) n-propylbenzene	13.58	91	2555591	76.714	ug/l	99
79) 2-Chlorotoluene	13.65	91	1504724	74.055	ug/l	100
80) 1,3,5-Trimethylbenzene	14.04	105	1729651	75.712	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.27	75	132856	83.494	ug/l	96
82) 4-Chlorotoluene	13.74	91	1651547	73.133	ug/l	90
83) tert-Butylbenzene	13.99	119	1769752	74.044	ug/l	98
84) 1,2,4-Trimethylbenzene	14.04	105	1729651	75.712	ug/l	99
85) sec-Butylbenzene	14.17	105	1905792	70.047	ug/l	98
86) p-Isopropyltoluene	14.30	119	1532904	69.395	ug/l	99
87) 1,3-Dichlorobenzene	14.26	146	917406	75.190	ug/l	99
88) 1,4-Dichlorobenzene	14.34	146	889497	75.032	ug/l	98
89) n-Butylbenzene	14.60	91	1643993	71.332	ug/l	99
90) Hexachloroethane	14.81	117	497288	75.652	ug/l	80
91) 1,2-Dichlorobenzene	14.61	146	727647	71.849	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.18	75	96448	84.019	ug/l	72

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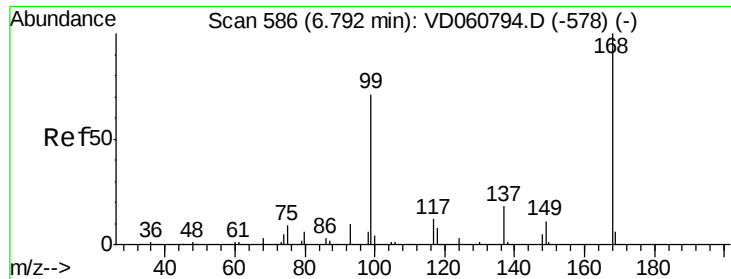
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	612284	69.823	ug/l	99
94) Hexachlorobutadiene	15.84	225	492268	74.818	ug/l	97
95) Naphthalene	15.93	128	1140492	84.648	ug/l	100
96) 1,2,3-Trichlorobenzene	16.08	180	580508	76.130	ug/l	97

(#) = 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: VD060795.D

Acq: 28 Jan 2019 17:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:168 Resp: 624389

Ion Ratio Lower Upper

168 100

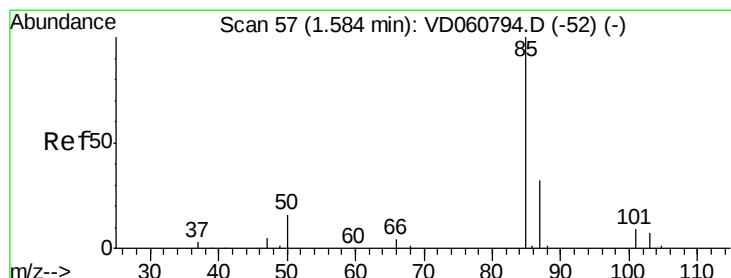
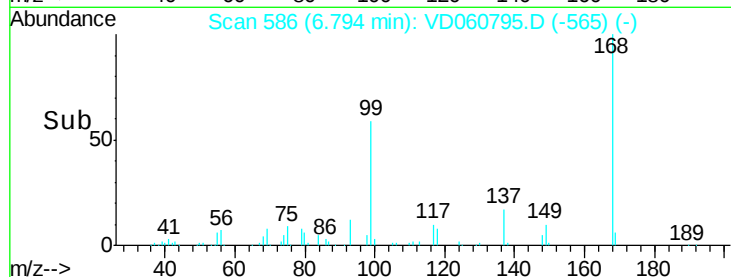
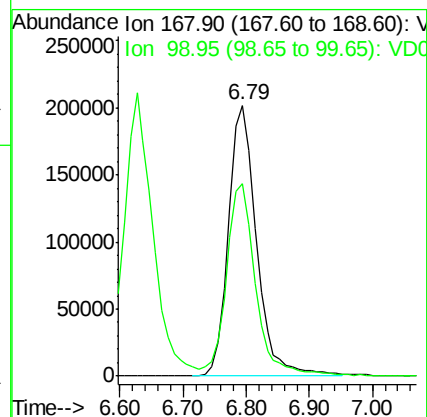
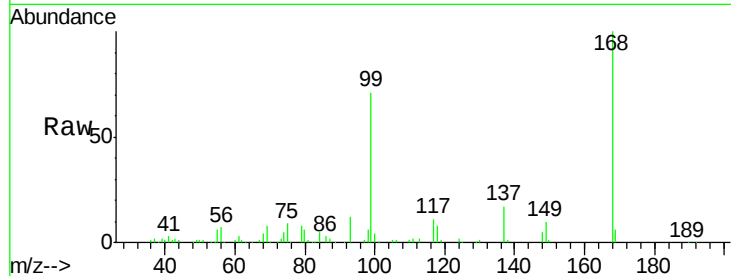
99 71.0 59.2 88.8

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 80.663 ug/l

RT: 1.59 min Scan# 57

Delta R.T. 0.00 min

Lab File: VD060795.D

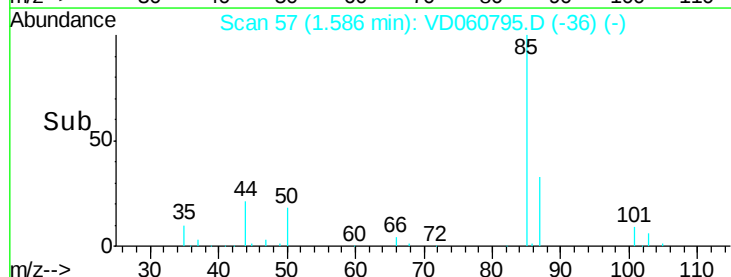
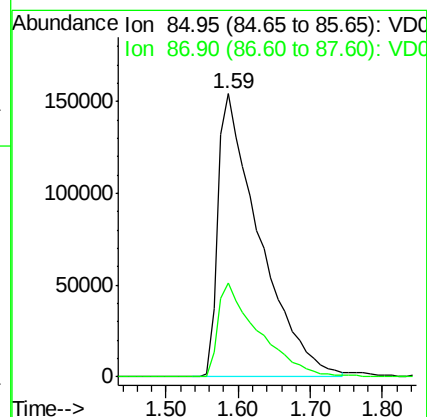
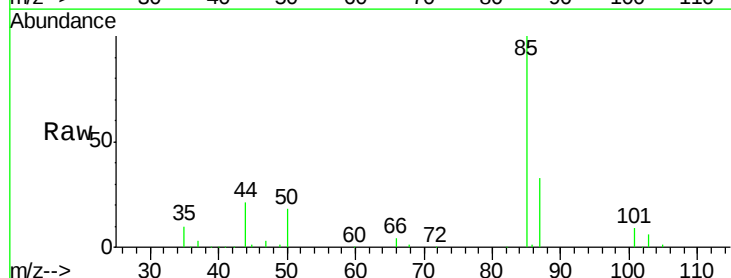
Acq: 28 Jan 2019 17:07

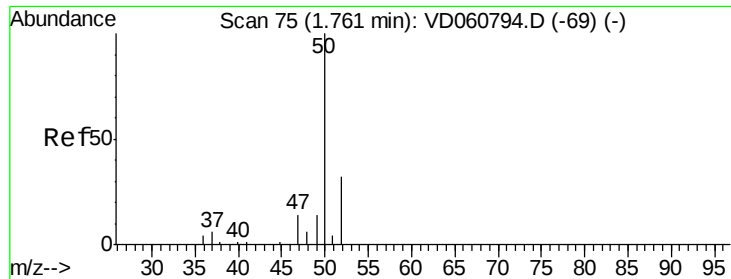
Tgt Ion: 85 Resp: 612357

Ion Ratio Lower Upper

85 100

87 33.2 16.2 48.5





#3

Chloromethane

Concen: 70.644 ug/l

RT: 1.75 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 50 Resp: 321091

Ion Ratio Lower Upper

50 100

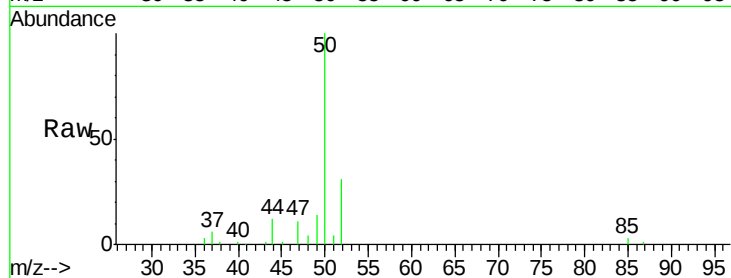
52 31.5 25.2 37.8

Manual Integrations

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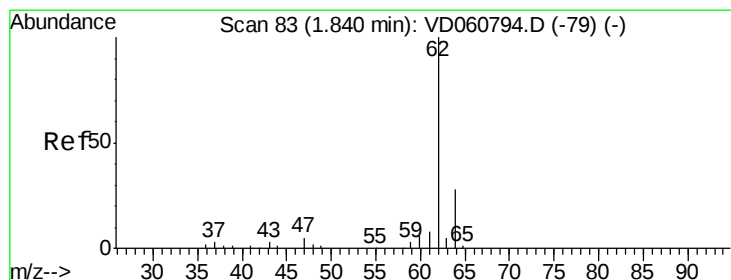
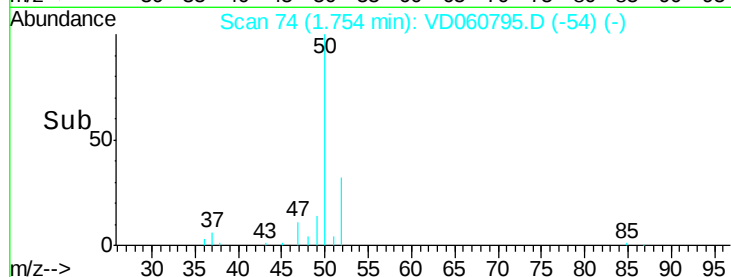
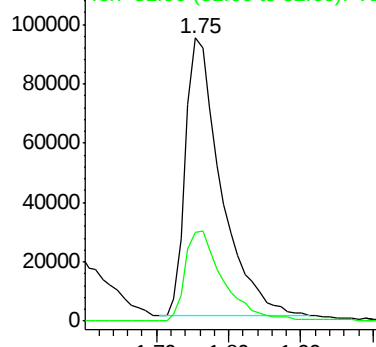
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 77.352 ug/l

RT: 1.84 min Scan# 83

Delta R.T. 0.00 min

Lab File: VD060795.D

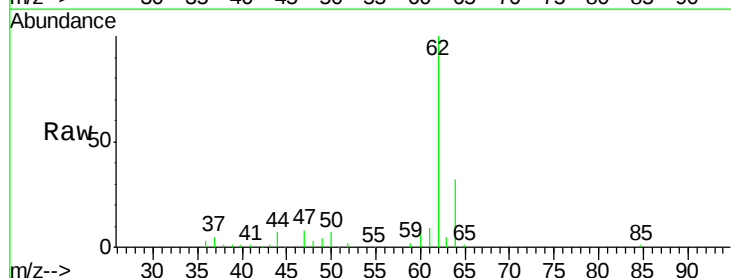
Acq: 28 Jan 2019 17:07

Tgt Ion: 62 Resp: 373188

Ion Ratio Lower Upper

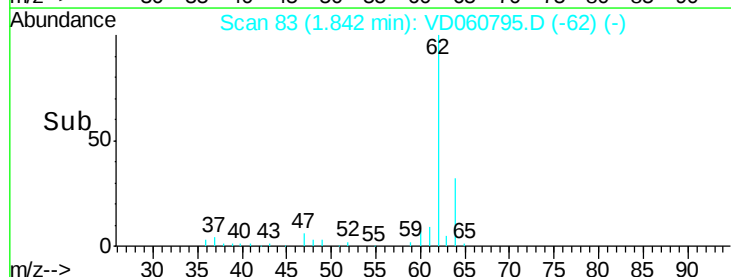
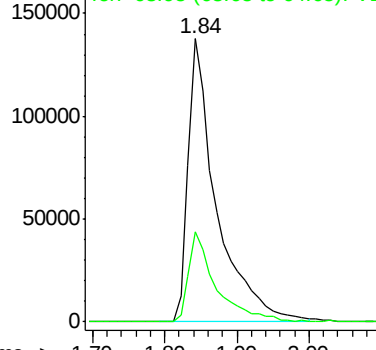
62 100

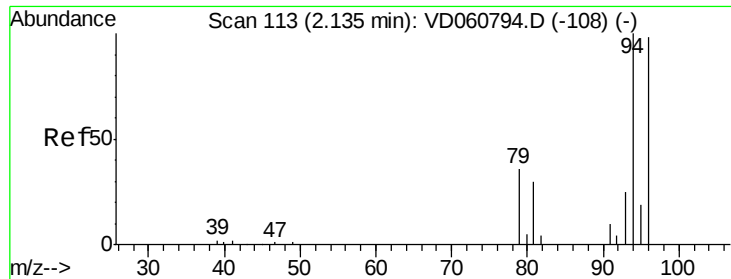
64 31.8 22.1 33.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 66.716 ug/l m

RT: 2.13 min Scan# 112

Delta R.T. -0.01 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 94 Resp: 108083

Ion Ratio Lower Upper

94 100

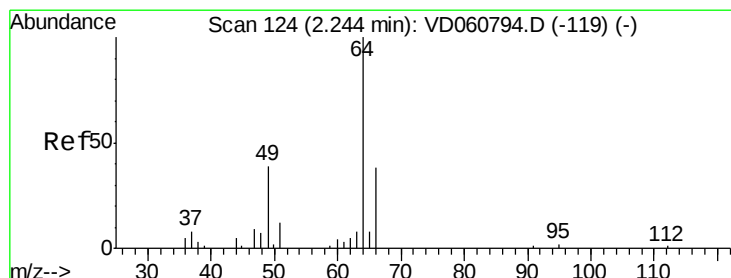
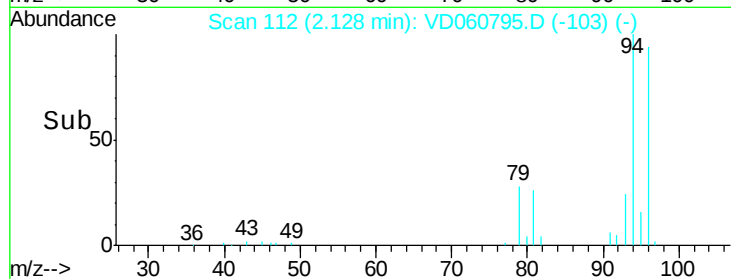
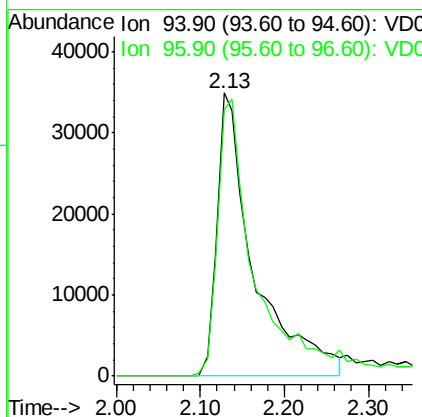
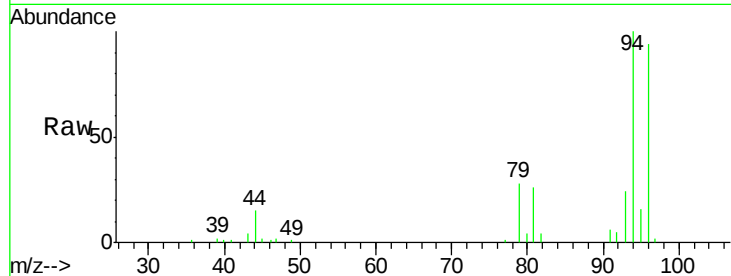
96 94.3 78.0 117.0

Manual Integrations

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#6

Chloroethane

Concen: 71.354 ug/l

RT: 2.24 min Scan# 123

Delta R.T. -0.01 min

Lab File: VD060795.D

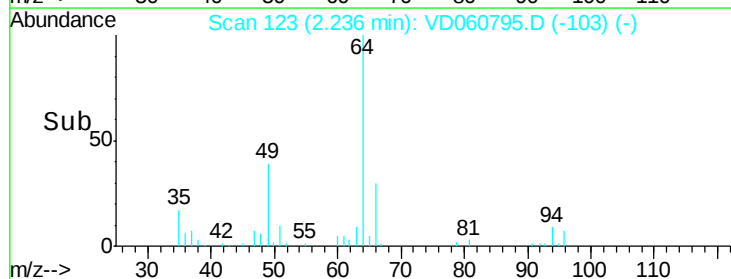
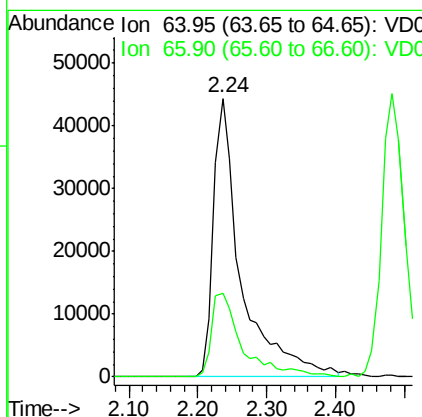
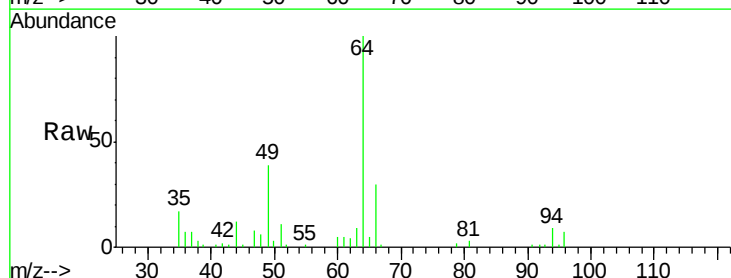
Acq: 28 Jan 2019 17:07

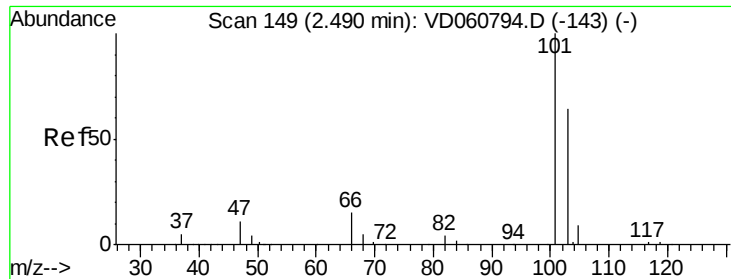
Tgt Ion: 64 Resp: 123904

Ion Ratio Lower Upper

64 100

66 30.3 30.2 45.4





#7

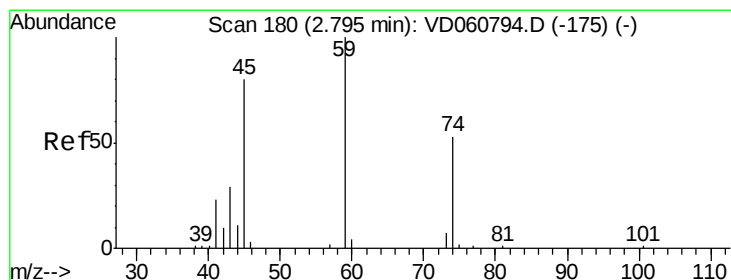
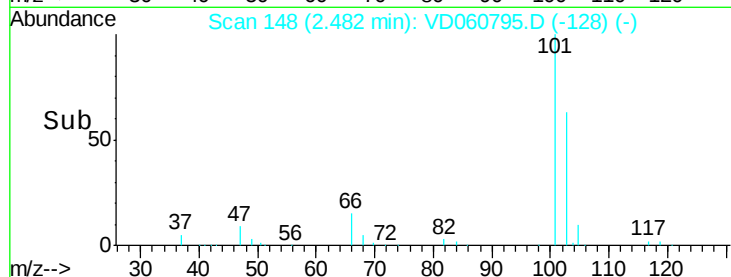
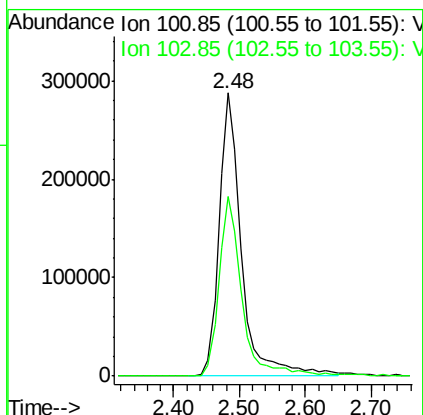
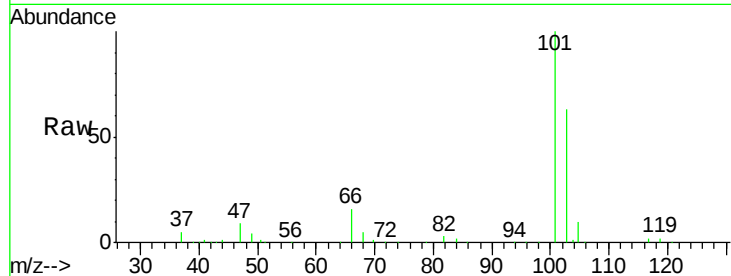
Trichlorofluoromethane
Concen: 71.661 ug/l
RT: 2.48 min Scan# 148
Delta R.T. -0.01 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

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VSTDIC075

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	51.3	76.9

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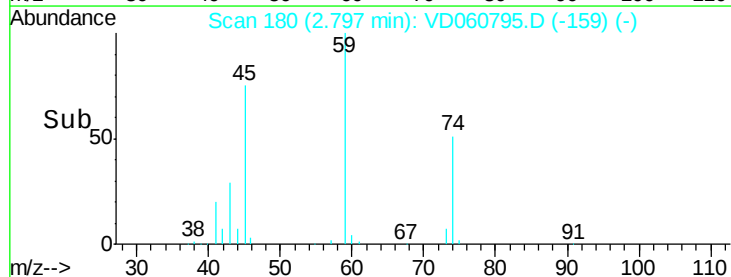
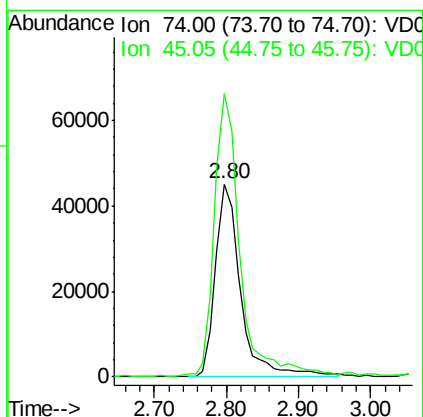
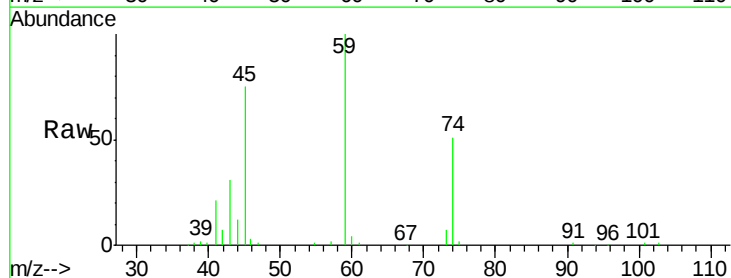
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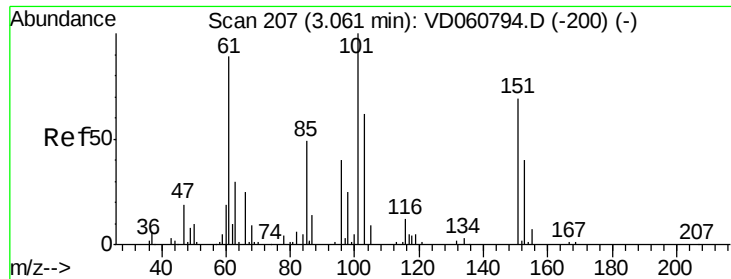


#8

Diethyl Ether
Concen: 78.092 ug/l
RT: 2.80 min Scan# 180
Delta R.T. 0.00 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	146.6	75.6	226.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 72.983 ug/l

RT: 3.05 min Scan# 206

Delta R.T. -0.01 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Instrument :

MSVOA_D

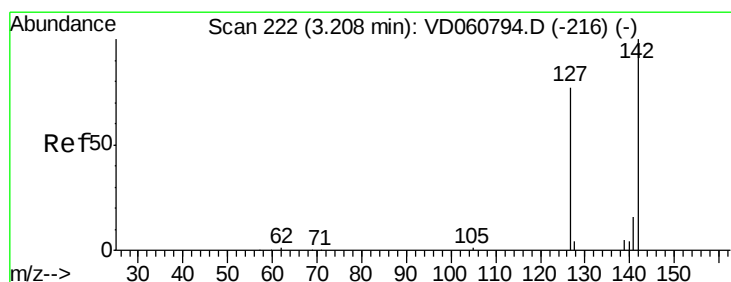
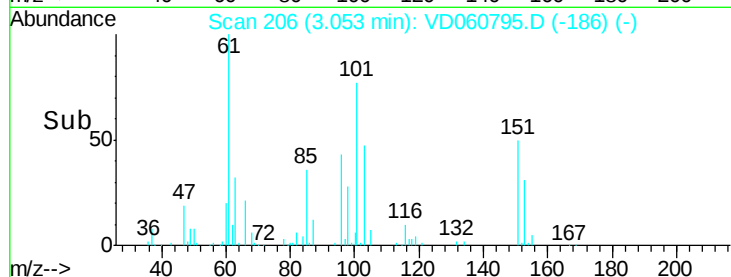
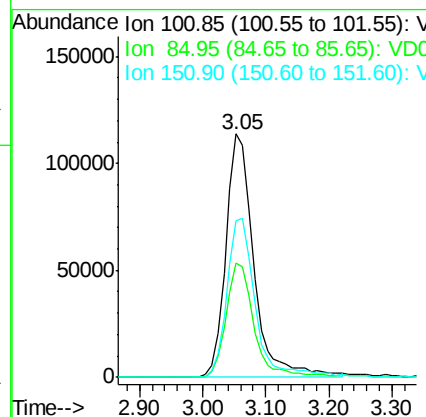
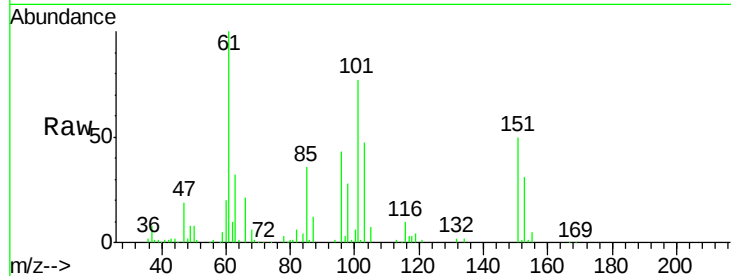
ClientSampleId :

VSTDIC075

Tot Ion:	101	Resp:	351269
Ion Ratio	Lower	Upper	
101	100		
85	47.0	39.3	58.9
151	64.3	55.1	82.7

Manual Integrations
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#10

Methyl Iodide

Concen: 76.800 ug/l

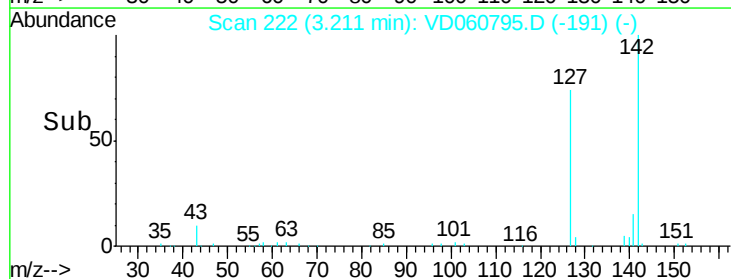
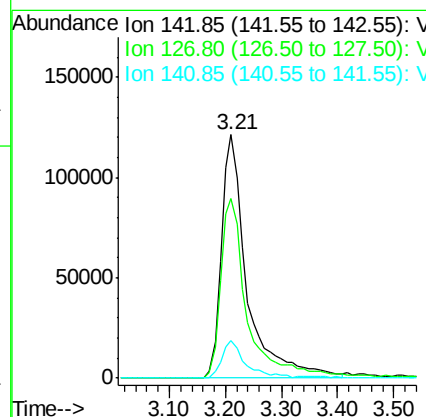
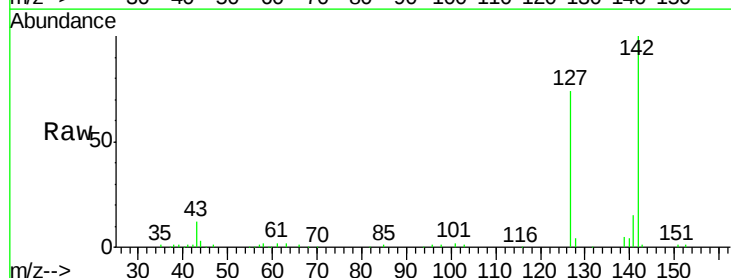
RT: 3.21 min Scan# 222

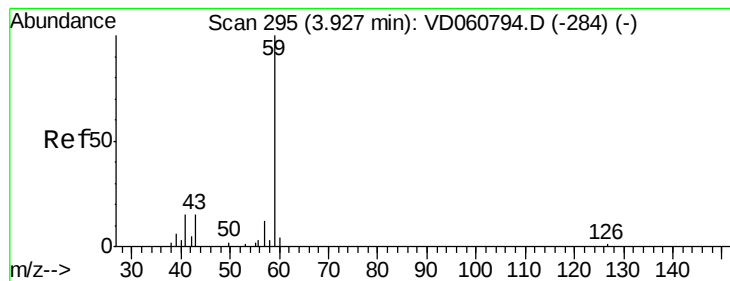
Delta R.T. 0.00 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Tgt Ion:	142	Resp:	387001
Ion Ratio	Lower	Upper	
142	100		
127	73.8	61.6	92.4
141	15.3	12.5	18.7





#11

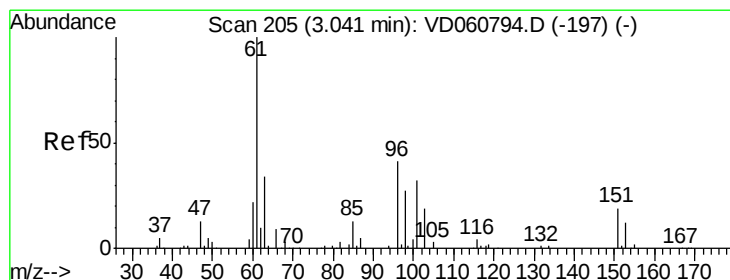
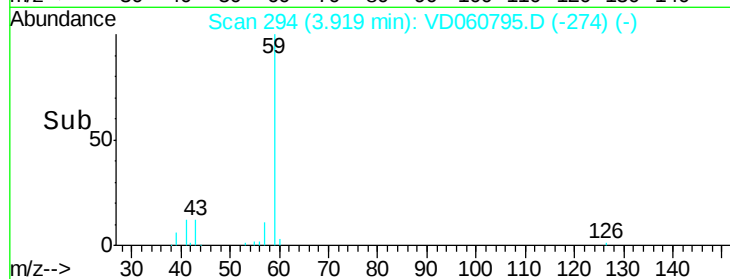
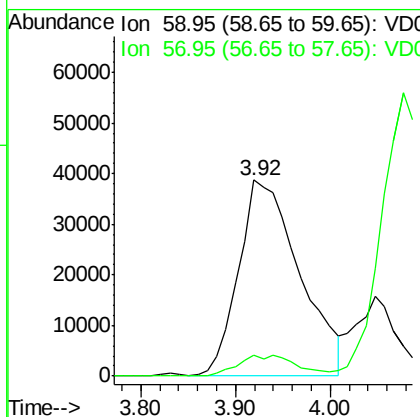
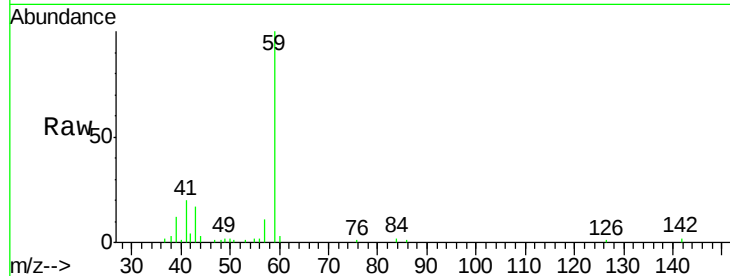
Tert butyl alcohol
 Concen: 379.930 ug/l
 RT: 3.92 min Scan# 294
 Delta R.T. -0.01 min
 Lab File: VD060795.D
 Acq: 28 Jan 2019 17:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	59	57	Ratio	100	10.8	Resp	173801	Lower	Upper
Ion	59	57	Ratio	100	10.8	Resp	173801	Lower	Upper
								9.8	14.6

Manual Integrations
 APPROVED

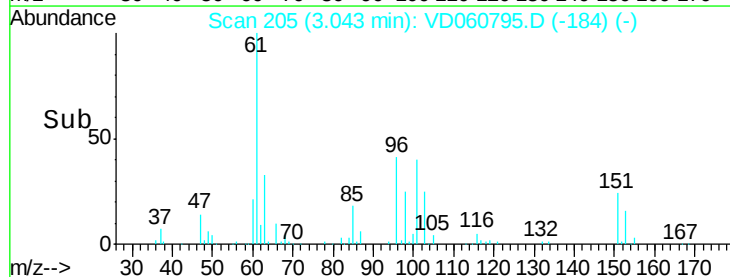
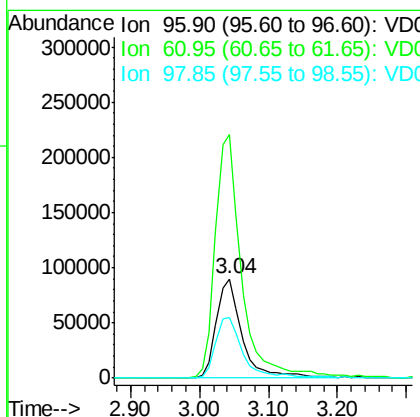
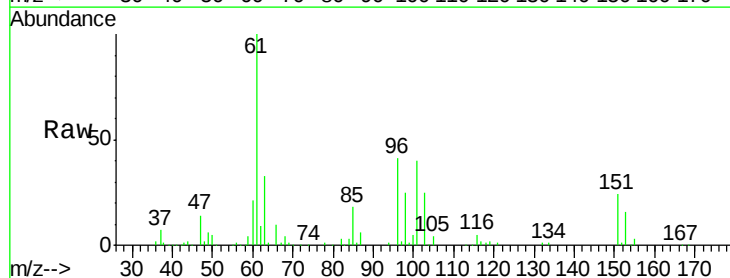
MMDadoda
 1/29/2019 4:55:46 PM

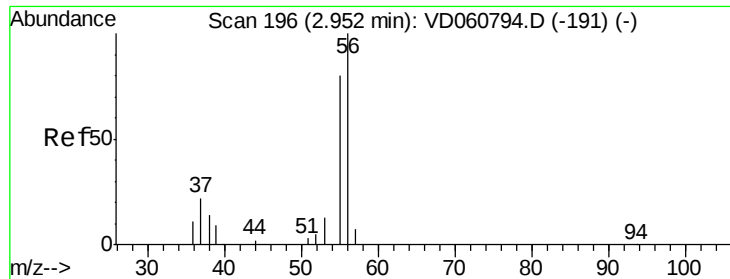


#12

1,1-Dichloroethene
 Concen: 71.836 ug/l
 RT: 3.04 min Scan# 205
 Delta R.T. 0.00 min
 Lab File: VD060795.D
 Acq: 28 Jan 2019 17:07

Tgt Ion	96	61	98	Ratio	100	245.4	61.7	Resp	236268	Lower	Upper
Ion	96	61	98	Ratio	100	245.4	61.7	Resp	236268	Lower	Upper
										195.1	292.7
										52.5	78.7





#13

Acrolein

Concen: 292.732 ug/l

RT: 2.96 min Scan# 197

Delta R.T. 0.01 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 56 Resp: 54366

Ion Ratio Lower Upper

56 100

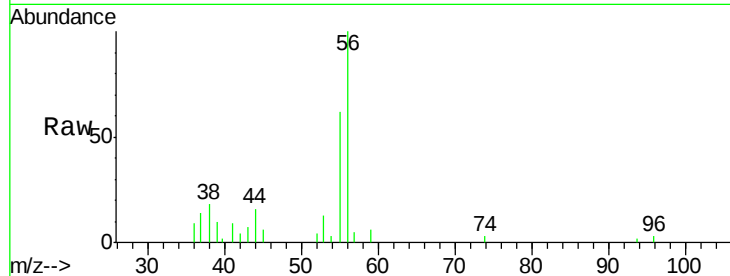
55 62.4 64.2 96.2#

Manual Integrations

APPROVED

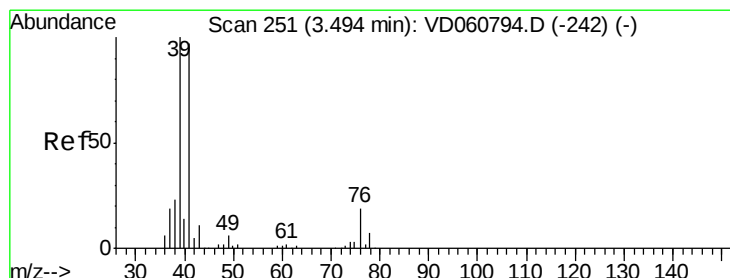
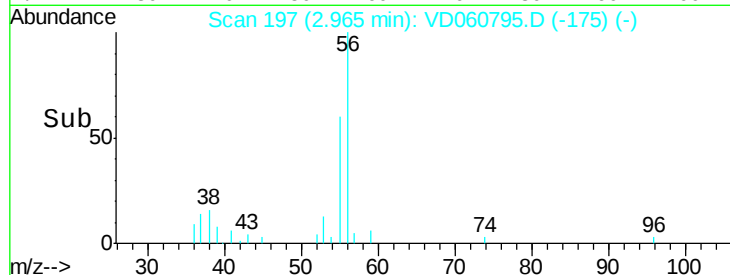
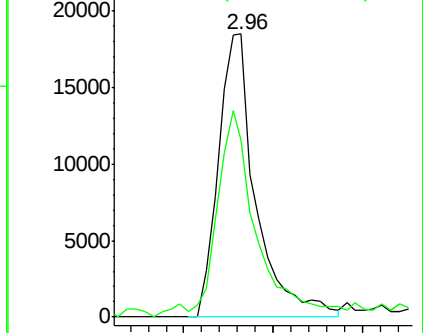
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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 71.154 ug/l

RT: 3.50 min Scan# 251

Delta R.T. 0.00 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

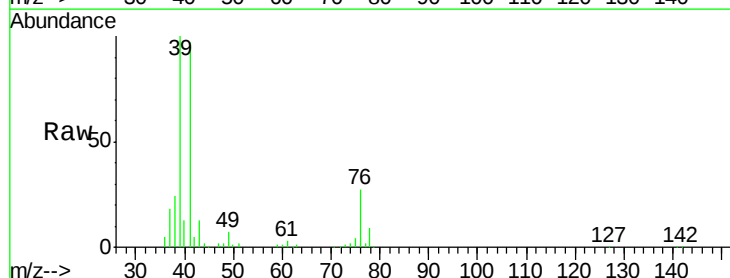
Tgt Ion: 41 Resp: 544617

Ion Ratio Lower Upper

41 100

39 102.7 82.6 123.8

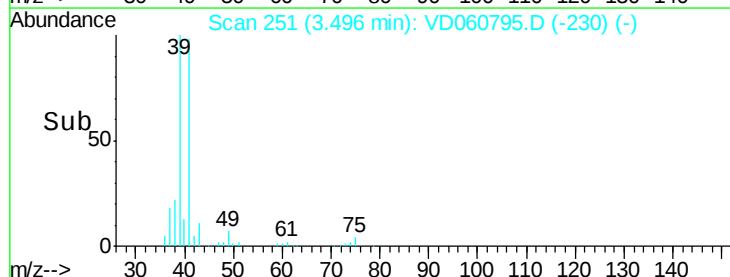
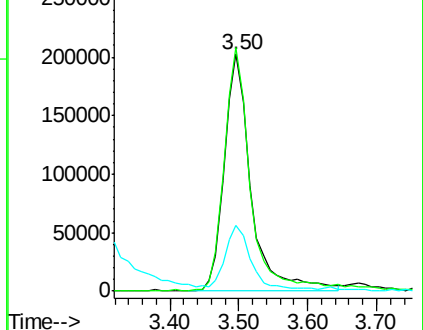
76 27.7 18.9 28.3

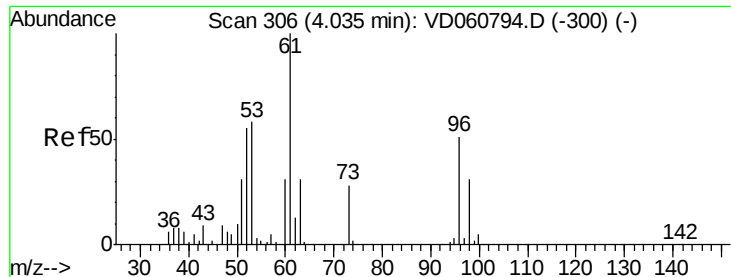


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 349.970 ug/l

RT: 4.04 min Scan# 306

Delta R.T. 0.00 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Instrument :

MSVOA_D

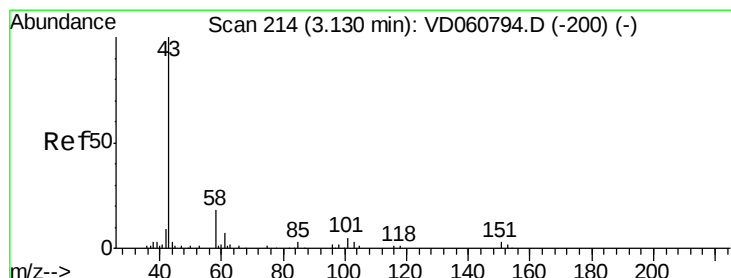
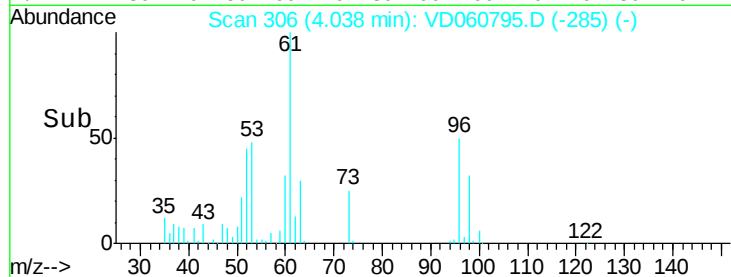
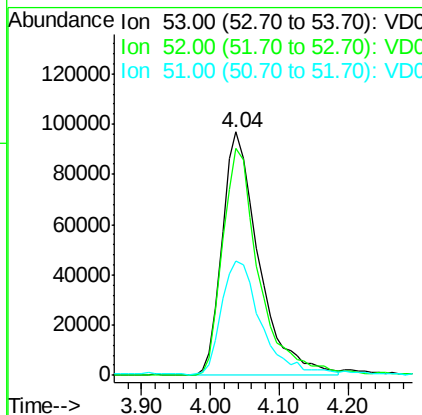
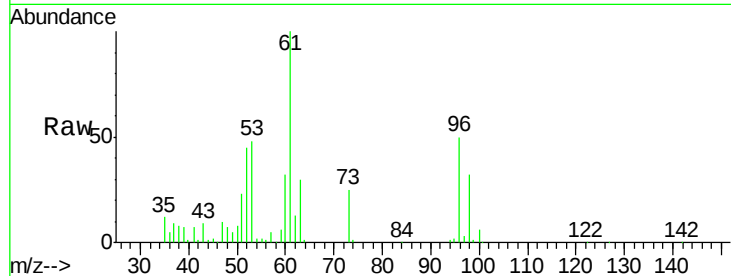
ClientSampleId :

VSTDIC075

Tot Ion:	53	Resp:	358715
Ion	Ratio	Lower	Upper
53	100		
52	93.1	75.4	113.2
51	46.8	42.5	63.7

Manual Integrations
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#16

Acetone

Concen: 353.464 ug/l m

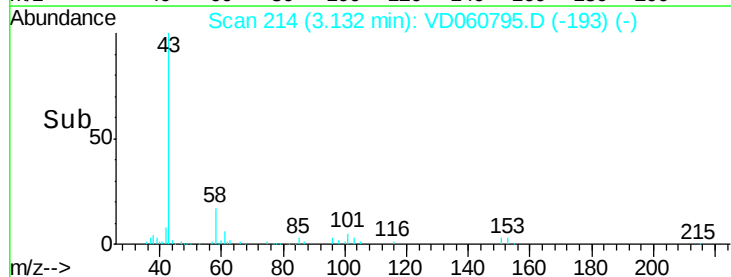
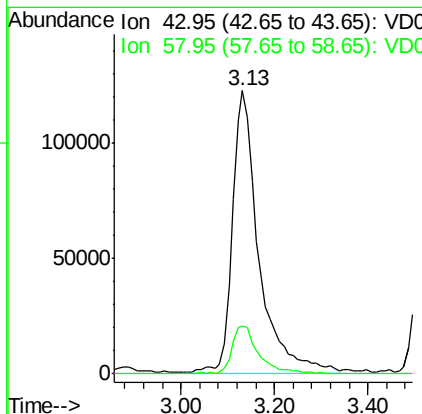
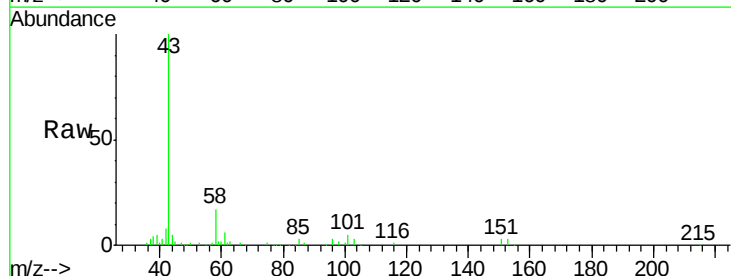
RT: 3.13 min Scan# 214

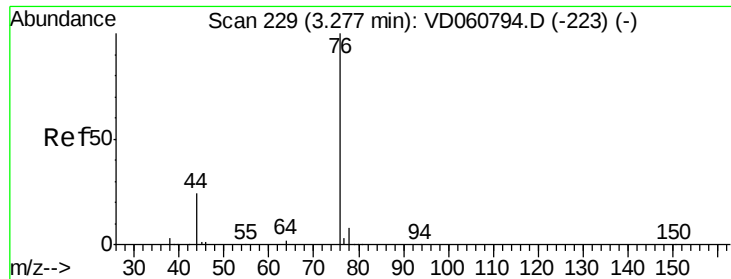
Delta R.T. 0.00 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Tgt Ion:	43	Resp:	486822
Ion	Ratio	Lower	Upper
43	100		
58	16.8	14.5	21.7





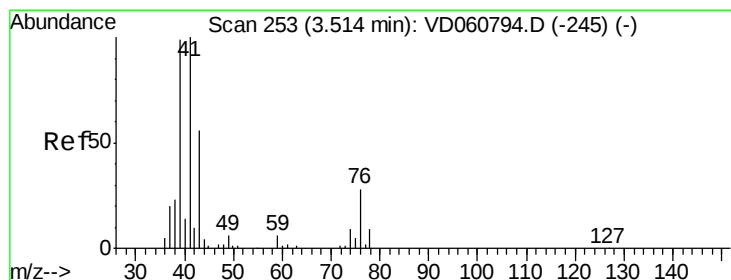
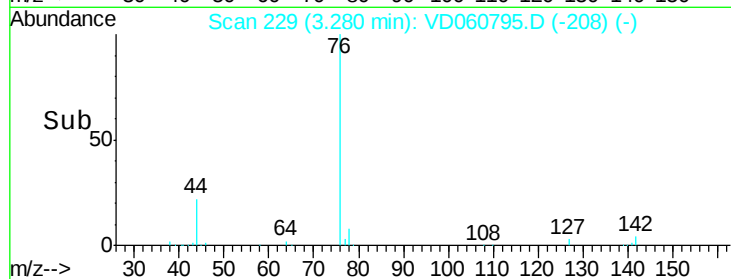
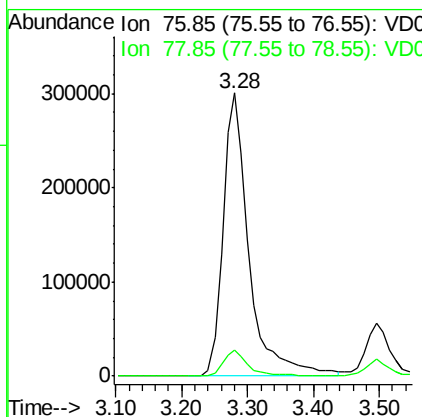
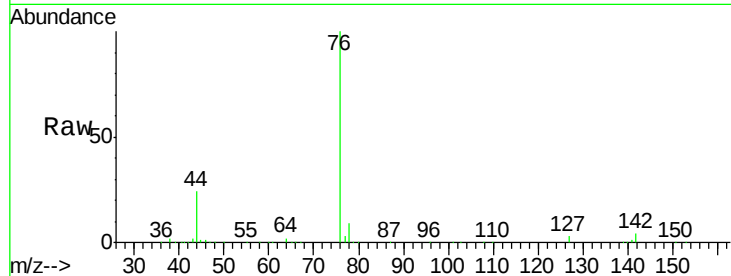
#17
Carbon Disulfide
Concen: 70.608 ug/l
RT: 3.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	6.5	9.7

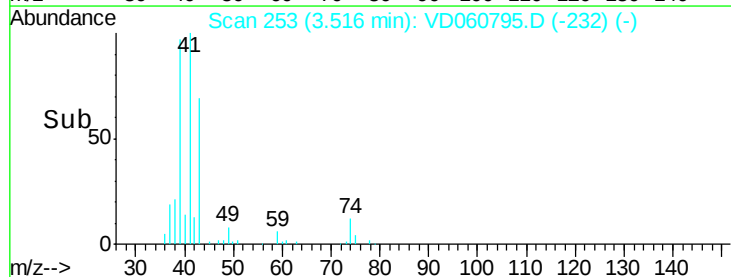
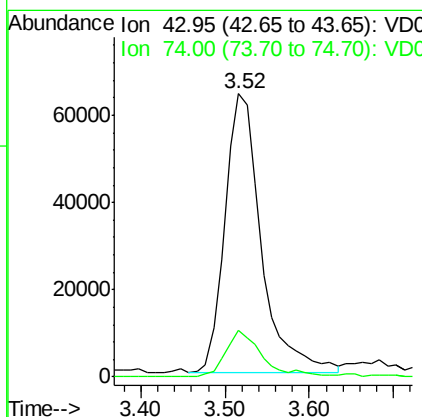
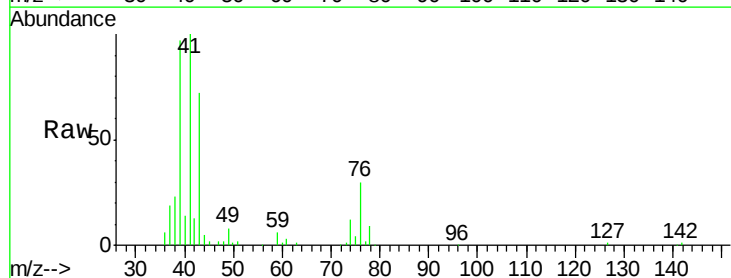
Manual Integrations
APPROVED

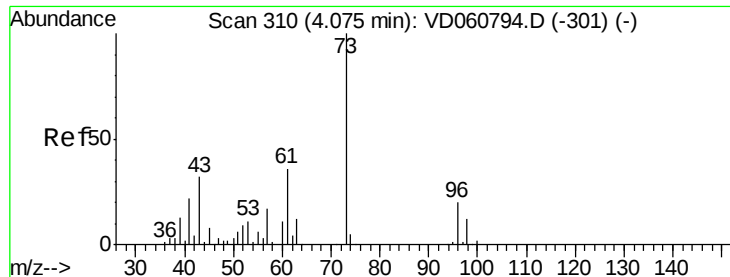
MMDadoda
1/29/2019 4:55:46 PM



#18
Methyl Acetate
Concen: 70.548 ug/l
RT: 3.52 min Scan# 253
Delta R.T. 0.00 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	16.5	12.5	18.7





#19

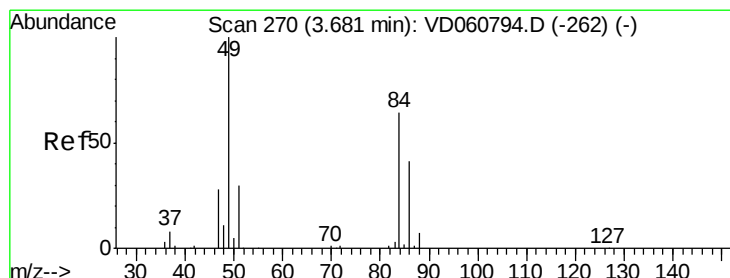
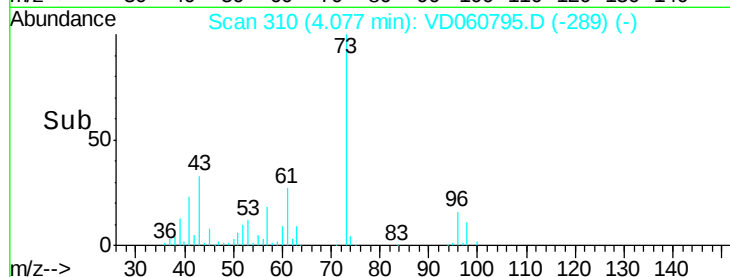
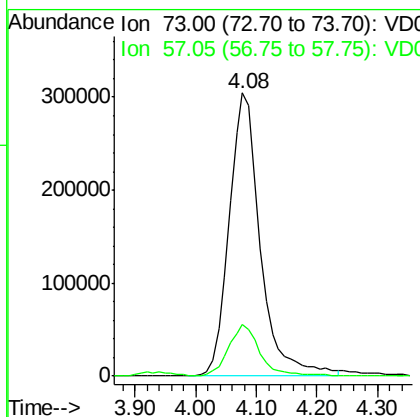
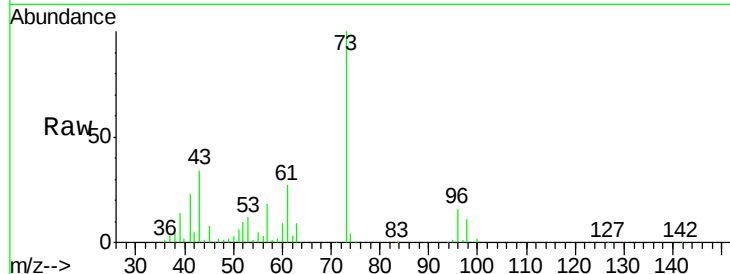
Methyl tert-butyl Ether
 Concen: 72.477 ug/l
 RT: 4.08 min Scan# 310
 Delta R.T. 0.00 min
 Lab File: VD060795.D
 Acq: 28 Jan 2019 17:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion: 73 Resp: 1088293
 Ion Ratio Lower Upper
 73 100
 57 18.4 14.0 21.0

Manual Integrations
 APPROVED

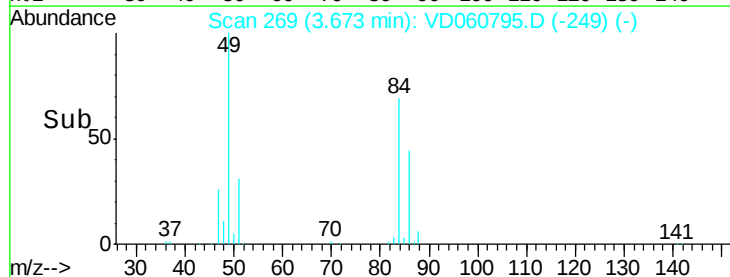
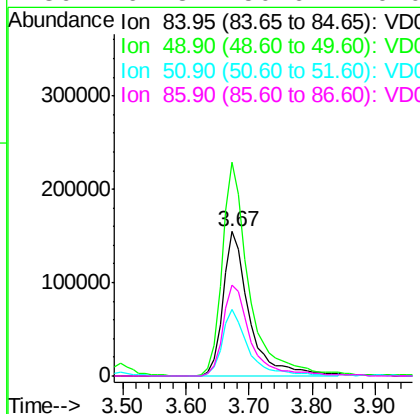
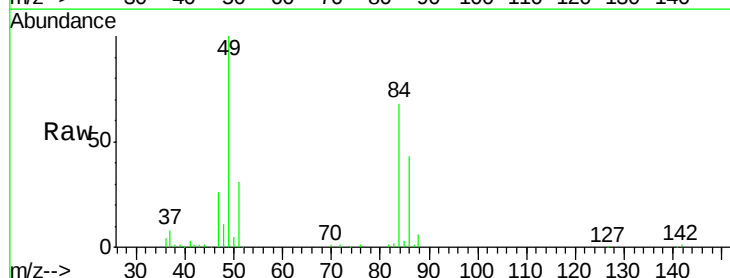
MMDadoda
 1/29/2019 4:55:46 PM

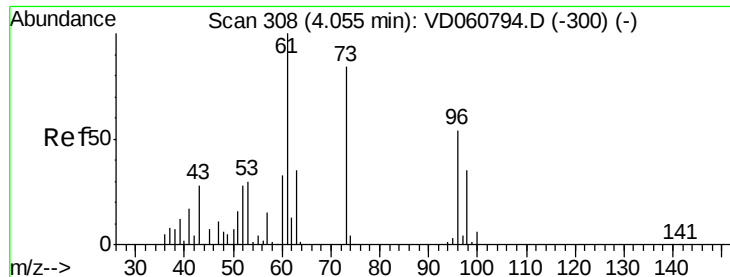


#20

Methylene Chloride
 Concen: 63.635 ug/l
 RT: 3.67 min Scan# 269
 Delta R.T. -0.01 min
 Lab File: VD060795.D
 Acq: 28 Jan 2019 17:07

Tgt Ion: 84 Resp: 448464
 Ion Ratio Lower Upper
 84 100
 49 147.7 124.2 186.2
 51 45.7 38.1 57.1
 86 62.8 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 68.245 ug/l

RT: 4.05 min Scan# 307

Delta R.T. -0.01 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 96 Resp: 395685

Ion Ratio Lower Upper

96 100

61 188.7 147.4 221.2

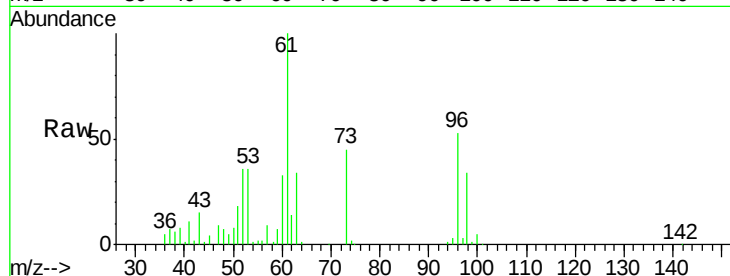
98 64.5 51.5 77.3

Manual Integrations

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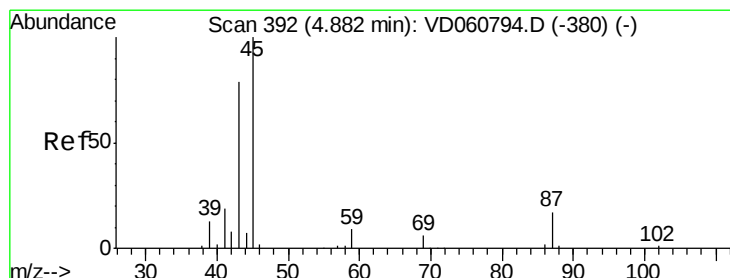
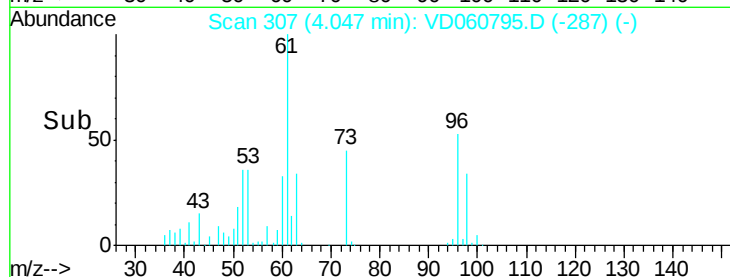
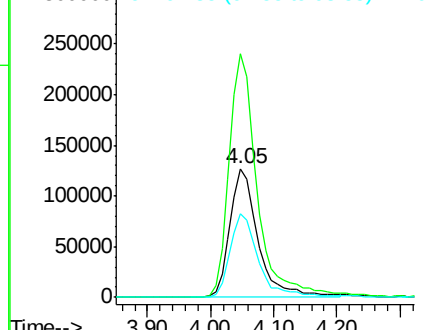
1/29/2019 4:55:46 PM



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 73.554 ug/l

RT: 4.89 min Scan# 393

Delta R.T. 0.01 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Tgt Ion: 45 Resp: 1450762

Ion Ratio Lower Upper

45 100

43 70.0 64.3 96.5

87 19.9 14.3 21.5

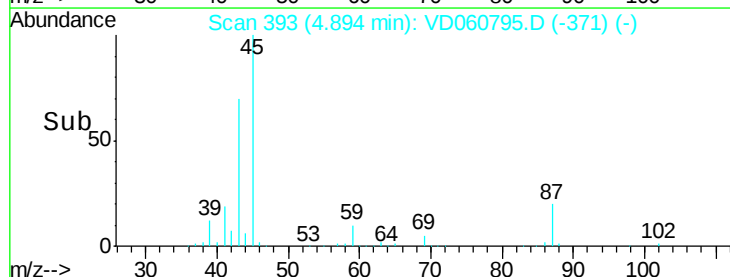
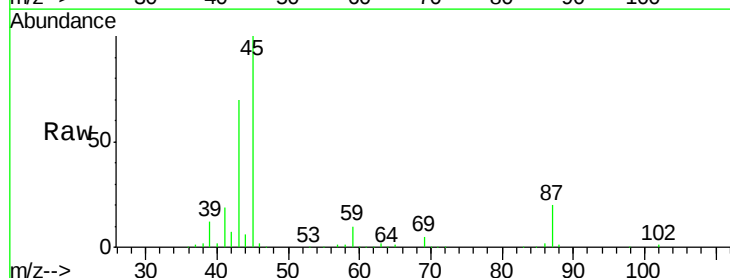
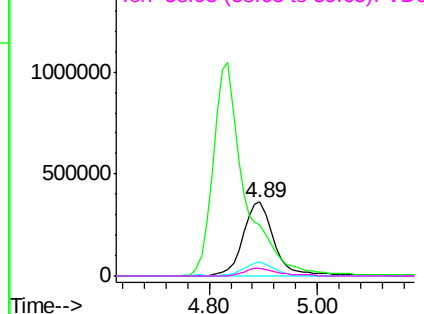
59 10.3 7.8 11.8

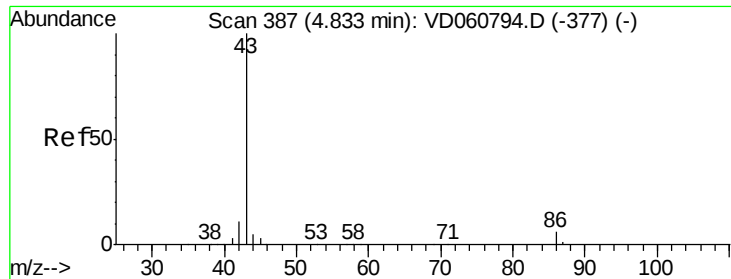
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 369.751 ug/l

RT: 4.83 min Scan# 387

Delta R.T. 0.00 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 4199735

Ion Ratio Lower Upper

43 100

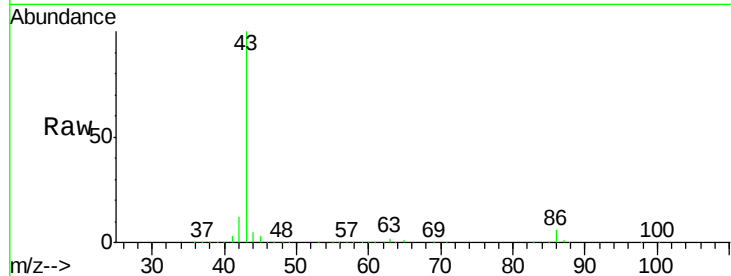
86 6.5 4.7 7.1

Manual Integrations

APPROVED

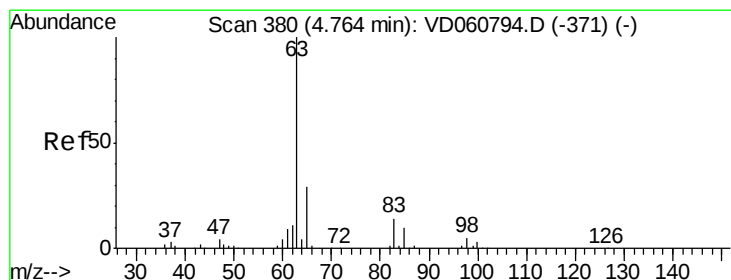
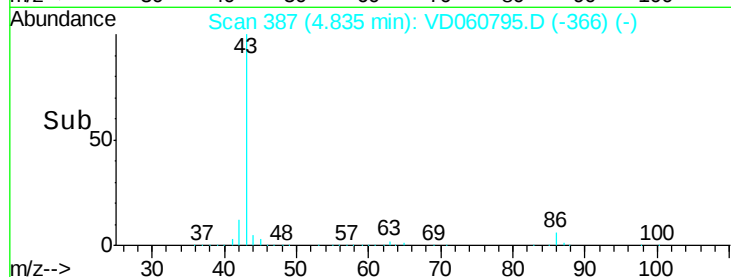
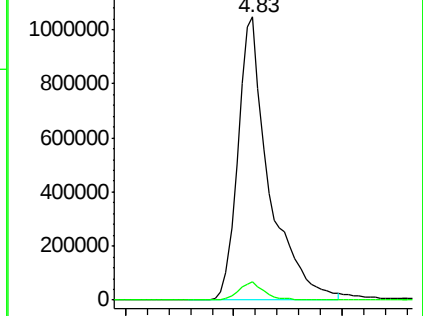
MMDadoda

1/29/2019 4:55:46 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 70.869 ug/l

RT: 4.76 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

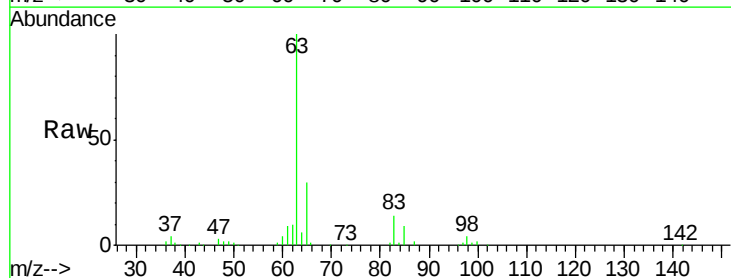
Tgt Ion: 63 Resp: 915059

Ion Ratio Lower Upper

63 100

98 3.7 2.3 6.9

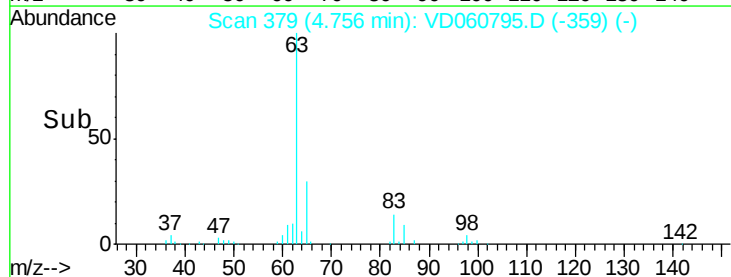
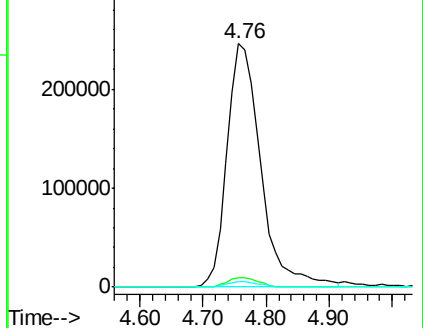
100 2.4 1.3 3.8

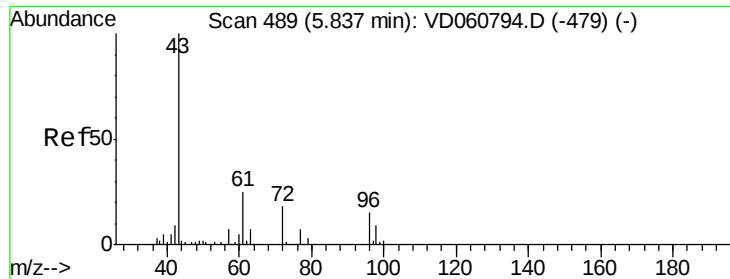


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 397.523 ug/l

RT: 5.84 min Scan# 489

Delta R.T. 0.00 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 703469

Ion Ratio Lower Upper

43 100

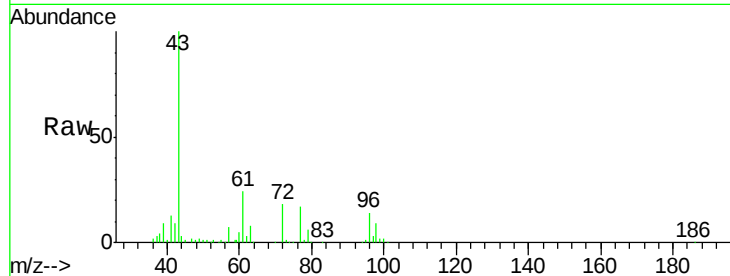
72 18.2 14.4 21.6

Manual Integrations

APPROVED

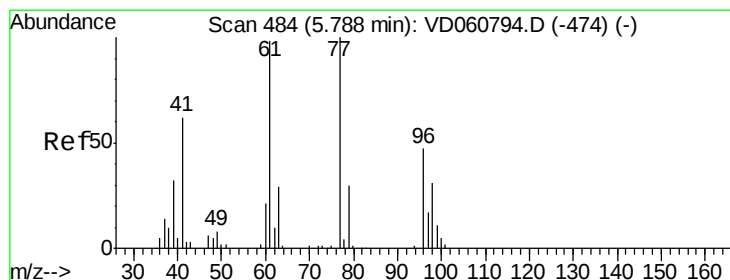
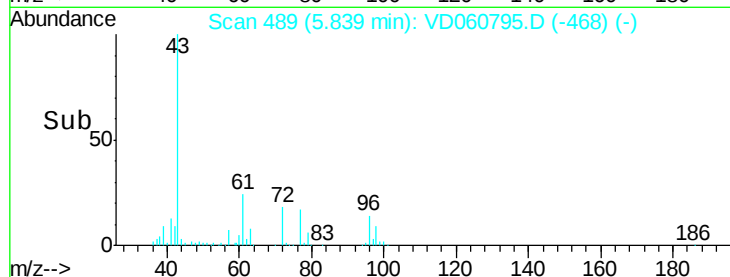
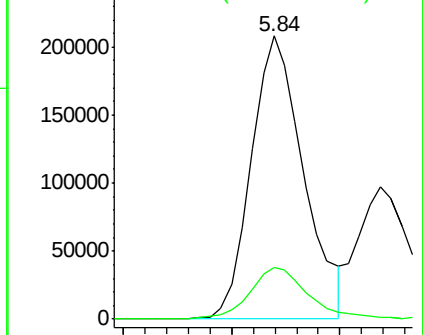
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 70.403 ug/l

RT: 5.79 min Scan# 484

Delta R.T. 0.00 min

Lab File: VD060795.D

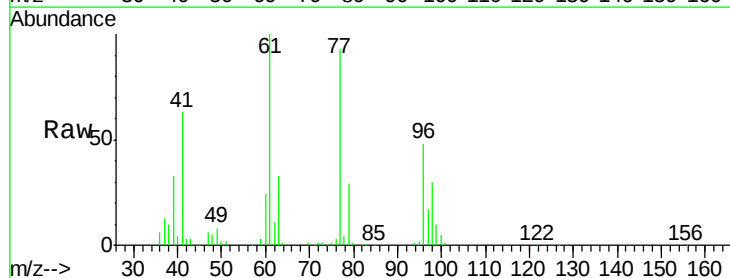
Acq: 28 Jan 2019 17:07

Tgt Ion: 77 Resp: 957829

Ion Ratio Lower Upper

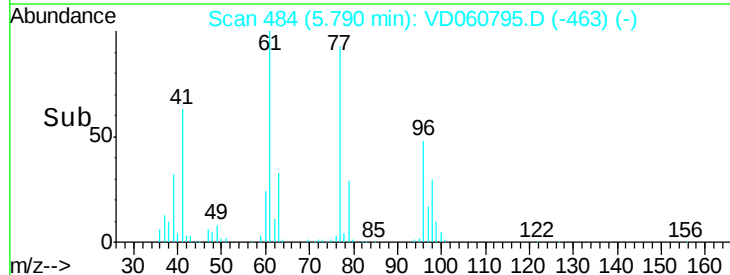
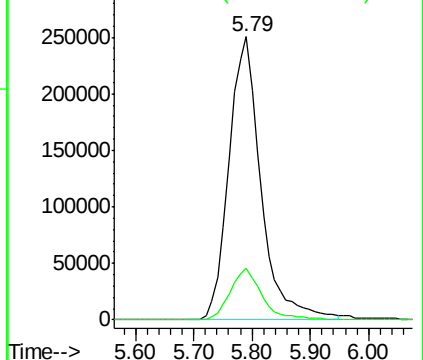
77 100

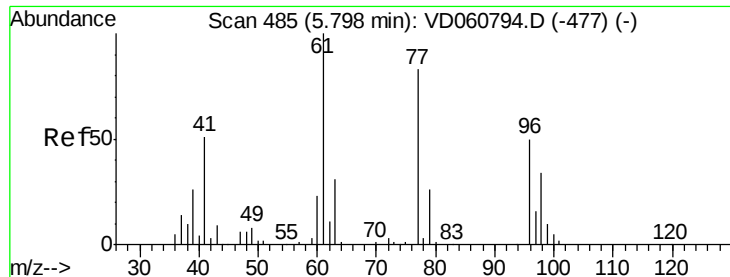
97 18.2 8.3 24.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

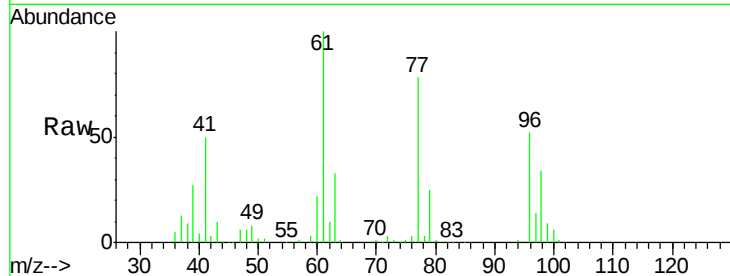
cis-1,2-Dichloroethene
Concen: 71.100 ug/l
RT: 5.80 min Scan# 485
Delta R.T. 0.00 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

Instrument :
MSVOA_D
ClientSampled :
VSTDIC075

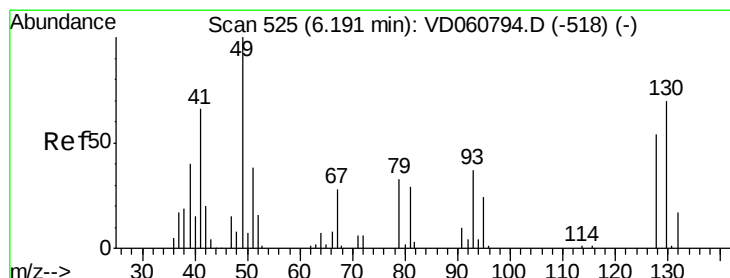
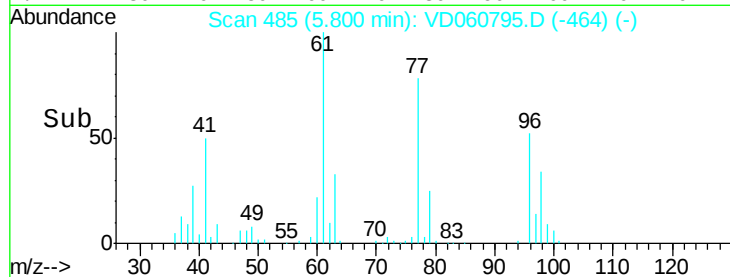
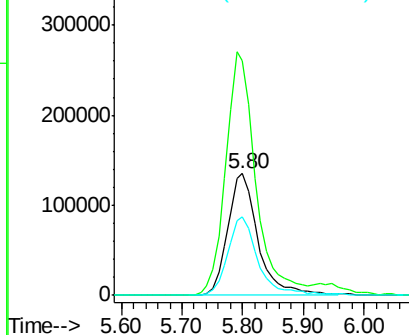
Tot Ion	Ratio	Resp	Lower	Upper
96	100	469516		
61	193.6	0.0	400.0	
98	65.1	0.0	136.4	

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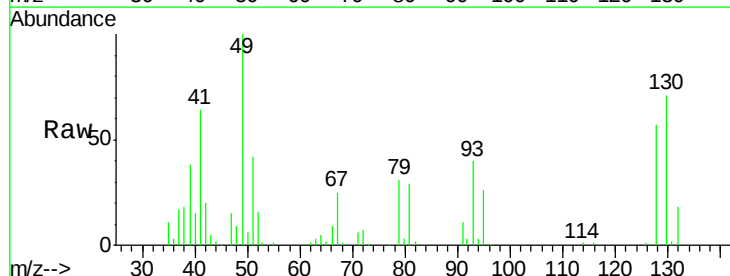
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



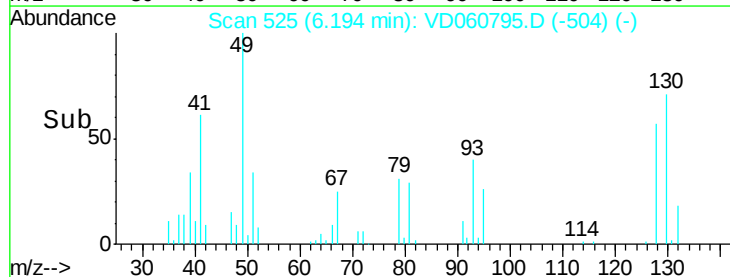
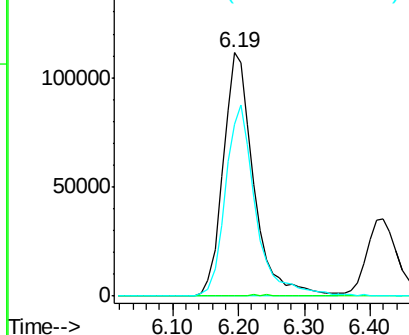
#28

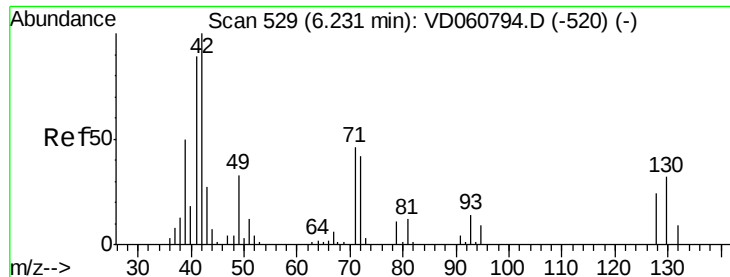
Bromochloromethane
Concen: 71.694 ug/l
RT: 6.19 min Scan# 525
Delta R.T. 0.00 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	361122		
129	0.0	0.0	0.0	
130	70.7	56.1	84.1	



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





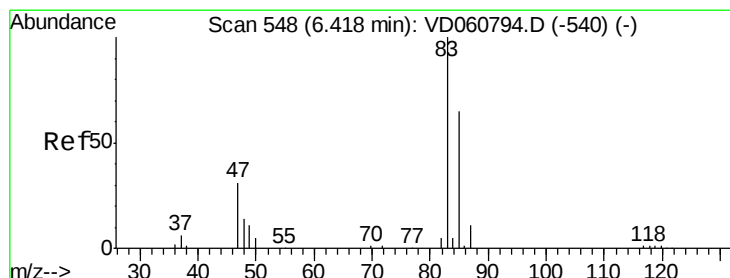
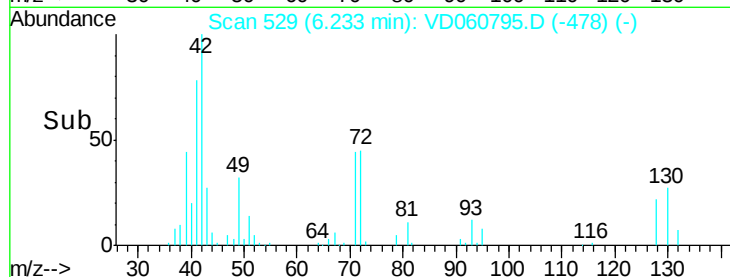
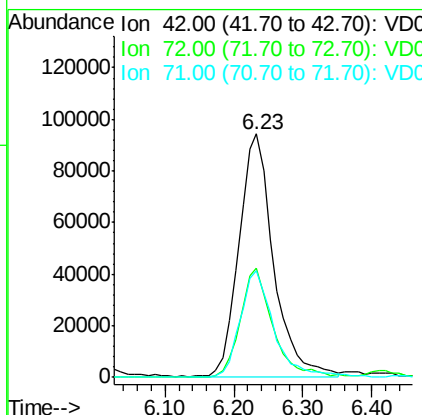
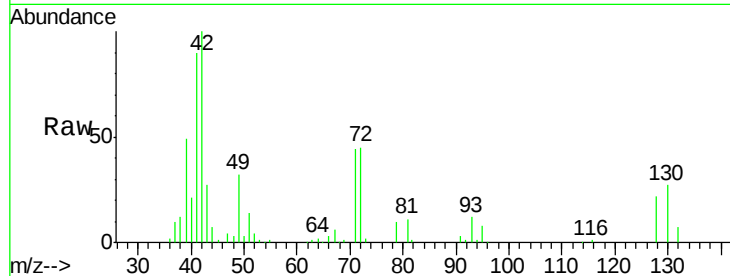
#29
Tetrahydrofuran
Concen: 382.621 ug/l
RT: 6.23 min Scan# 529
Delta R.T. 0.00 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.7	32.8	49.2
71	43.5	34.6	52.0

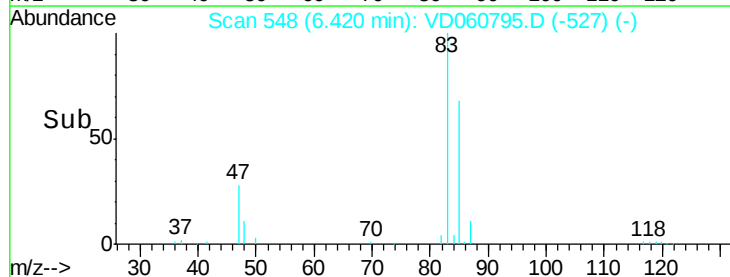
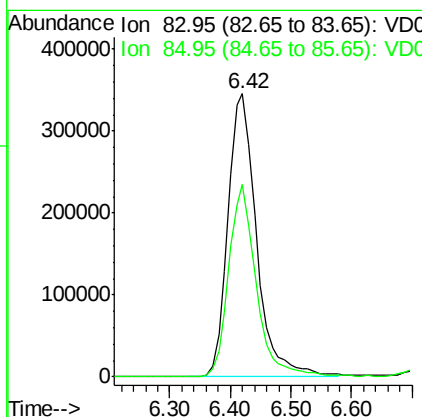
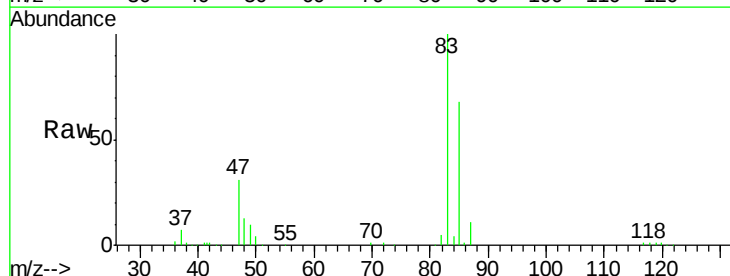
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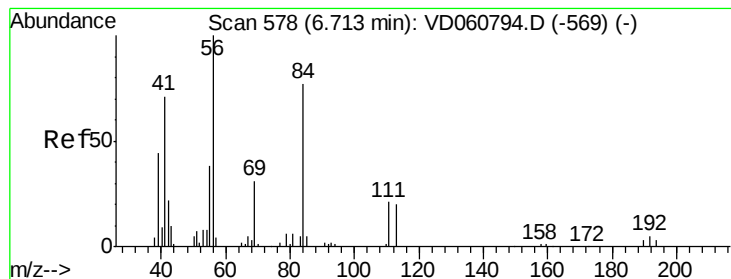
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#30
Chloroform
Concen: 74.457 ug/l
RT: 6.42 min Scan# 548
Delta R.T. 0.00 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.8	52.3	78.5





#31

Cvclohexane

Concen: 72.731 ug/l

RT: 6.71 min Scan# 577

Delta R.T. -0.01 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Instrument :

MSVOA_D

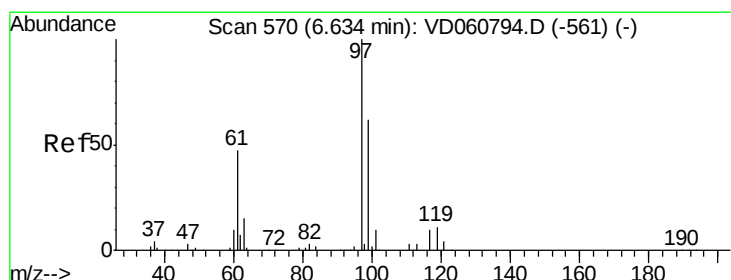
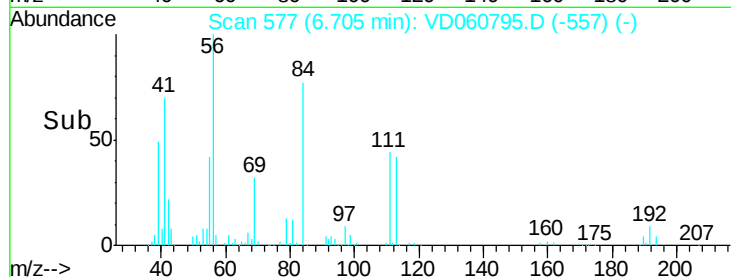
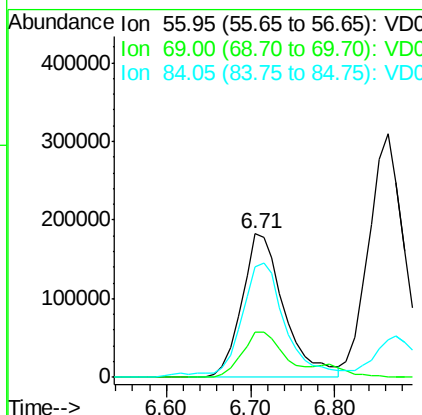
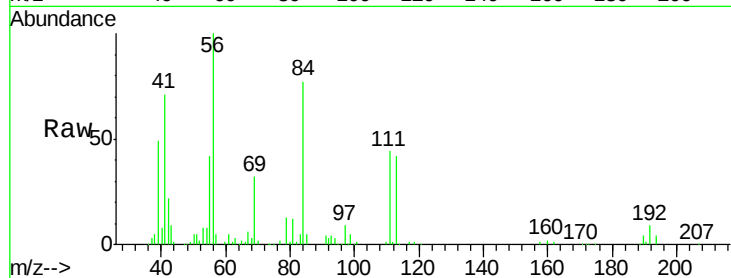
ClientSampleId :

VSTDIC075

Tot Ion:	56	Resp:	638954
Ion Ratio	Lower	Upper	
56	100		
69	31.7	25.1	37.7
84	77.0	63.9	95.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 71.955 ug/l

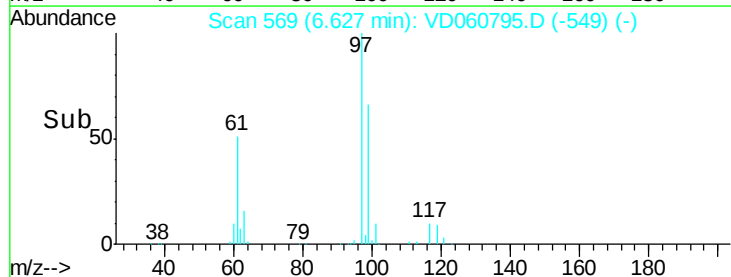
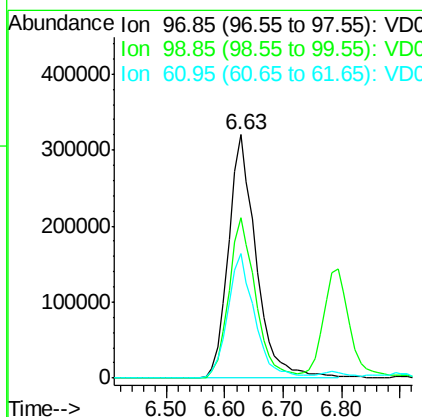
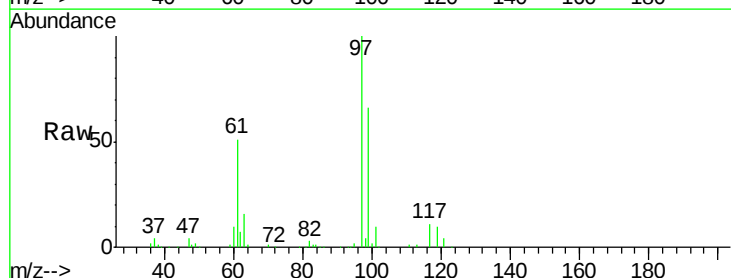
RT: 6.63 min Scan# 569

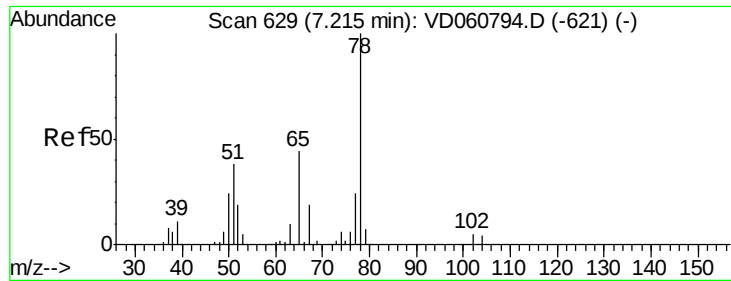
Delta R.T. -0.01 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Tgt Ion:	97	Resp:	1057484
Ion Ratio	Lower	Upper	
97	100		
99	65.9	49.6	74.4
61	51.0	37.4	56.2





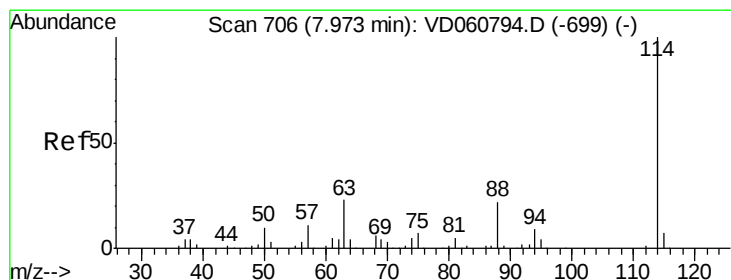
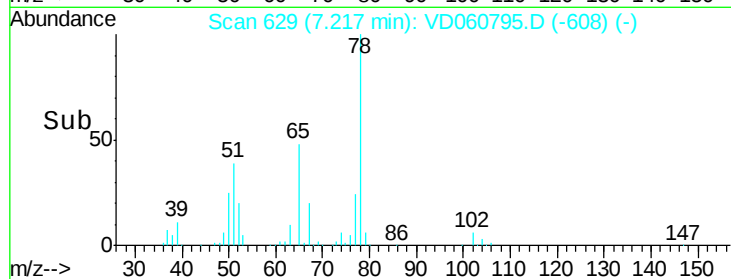
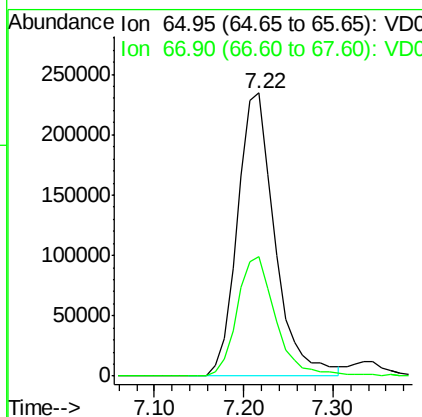
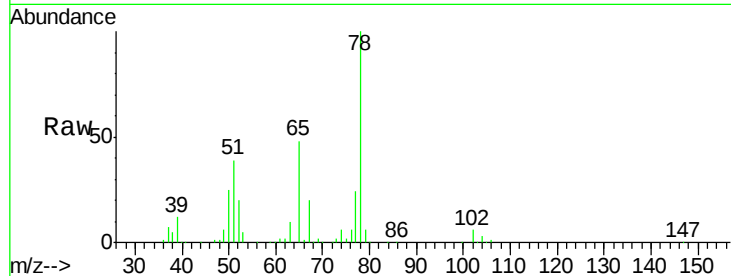
#33
 1,2-Dichloroethane-d4
 Concen: 71.955 ug/l
 RT: 7.22 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: VD060795.D
 Acq: 28 Jan 2019 17:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
65	100	683265		
67	42.2	0.0	85.8	

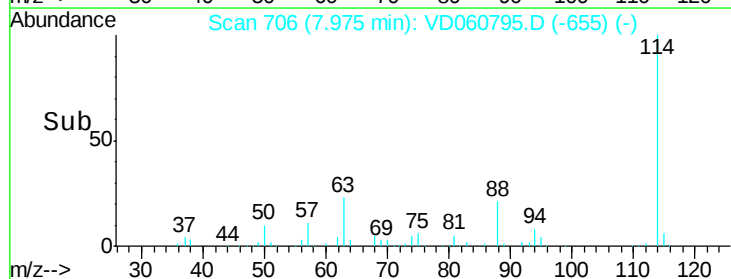
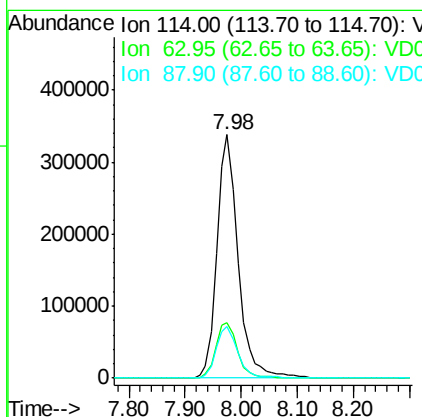
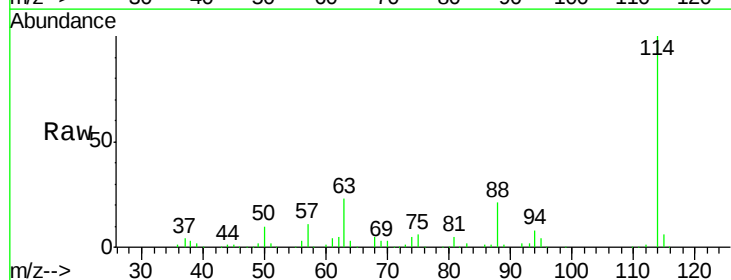
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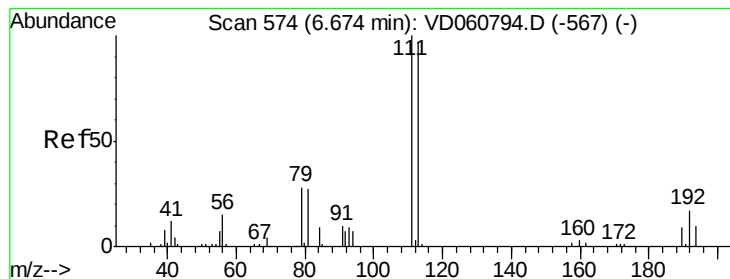
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.98 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VD060795.D
 Acq: 28 Jan 2019 17:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	890836		
63	22.7	0.0	46.6	
88	21.1	0.0	44.0	





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.68 min Scan# 574

Delta R.T. 0.00 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Instrument :

MSVOA_D

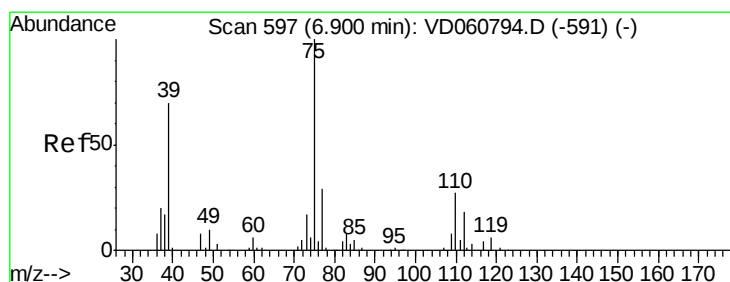
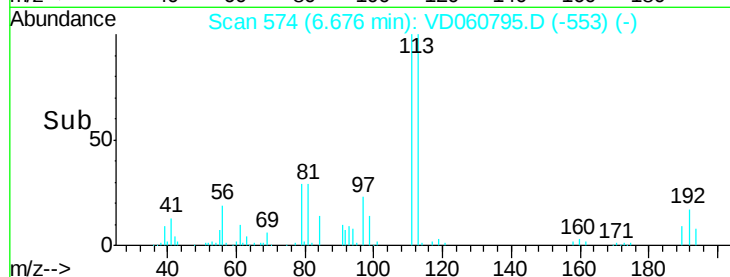
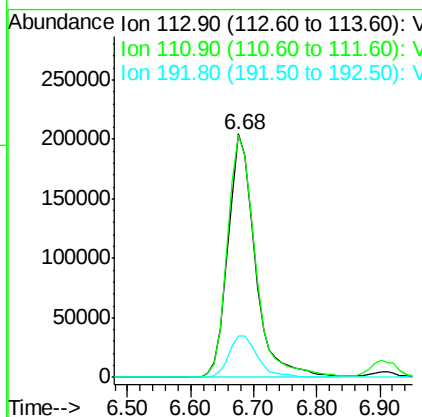
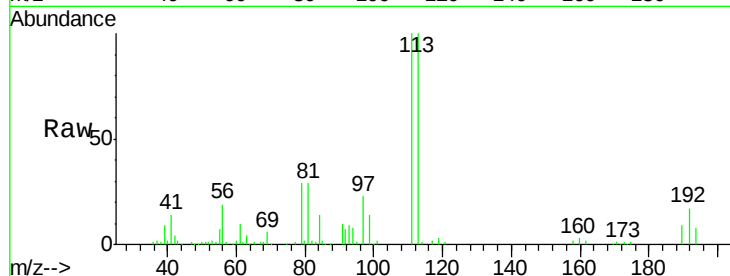
ClientSampleId :

VSTDIC075

Tot Ion:	113	Resp:	608692
Ion Ratio	Lower	Upper	
113	100		
111	99.8	82.3	123.5
192	16.9	14.4	21.6

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#36

1,1-Dichloropropene

Concen: 71.236 ug/l

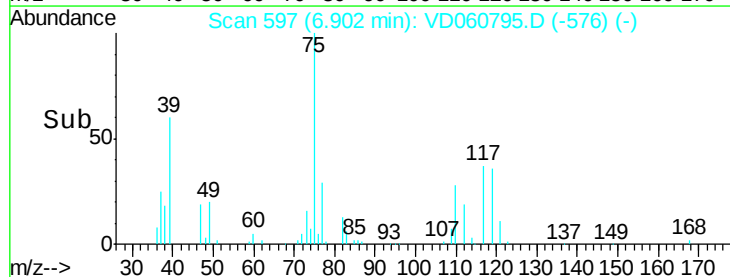
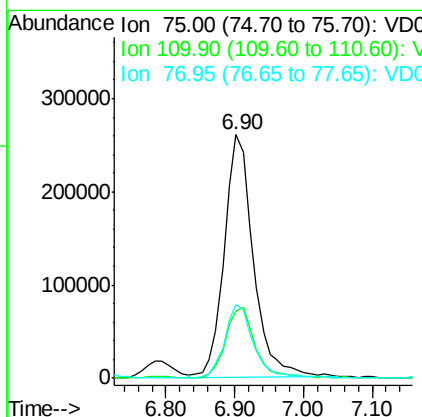
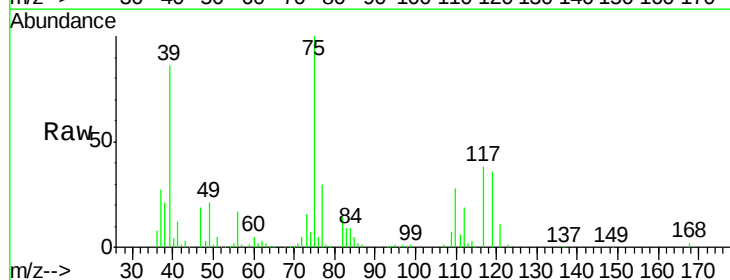
RT: 6.90 min Scan# 597

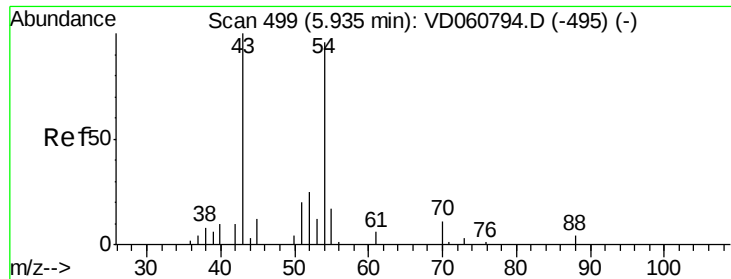
Delta R.T. 0.00 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Tgt Ion:	75	Resp:	757693
Ion Ratio	Lower	Upper	
75	100		
110	27.6	13.5	40.4
77	30.2	23.4	35.2





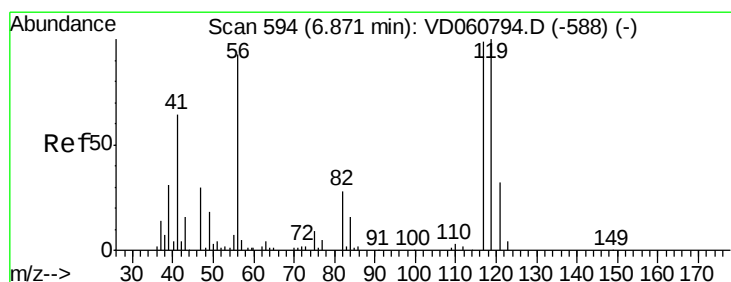
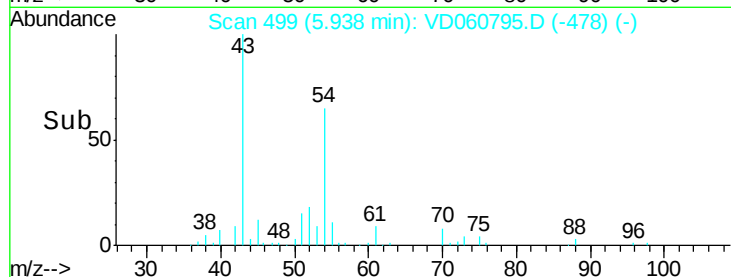
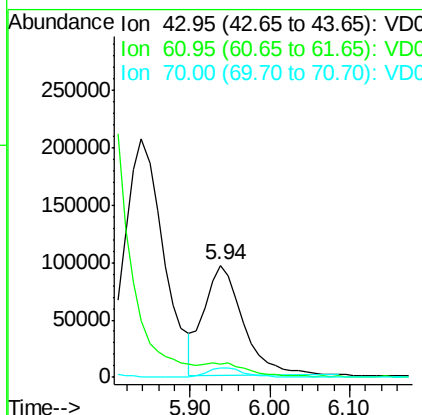
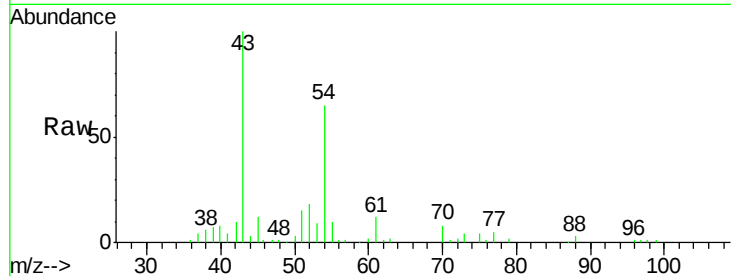
#37
Ethyl Acetate
Concen: 69.833 ug/l
RT: 5.94 min Scan# 499
Delta R.T. 0.00 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.7	12.3	18.5#
70	8.0	7.4	11.0

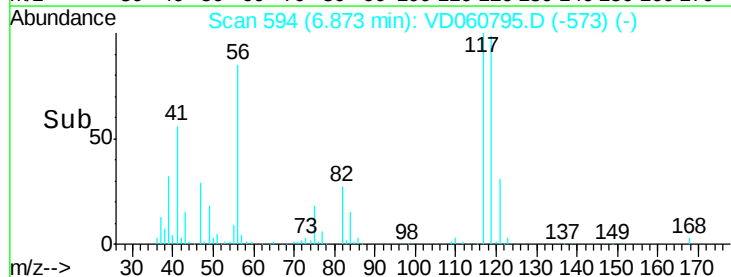
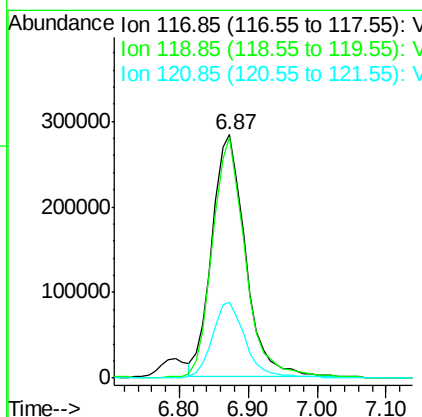
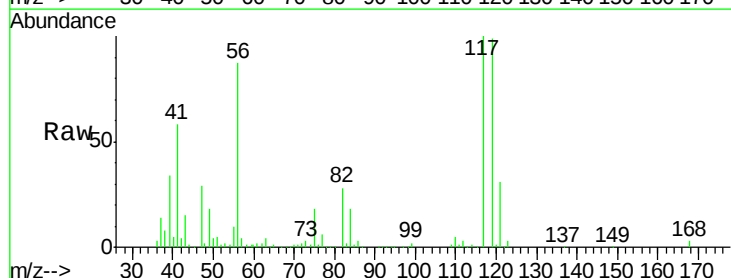
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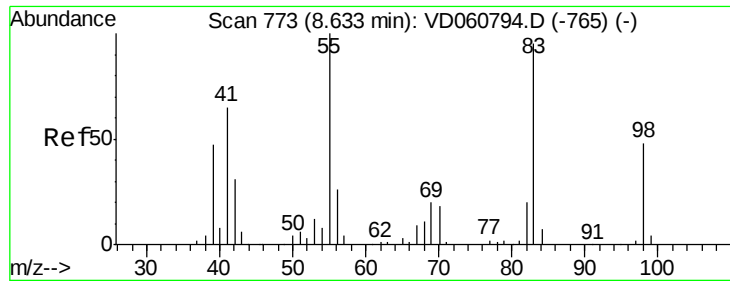
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#38
Carbon Tetrachloride
Concen: 71.469 ug/l
RT: 6.87 min Scan# 594
Delta R.T. 0.00 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.0	75.6	113.4
121	31.0	23.4	35.2





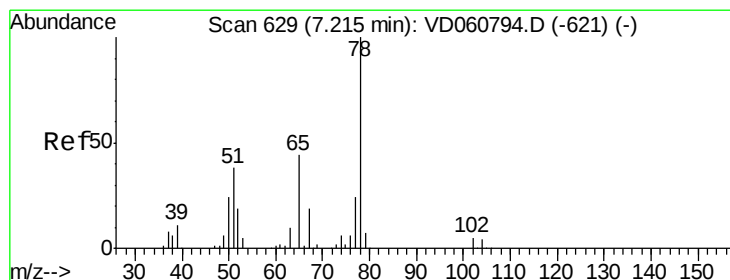
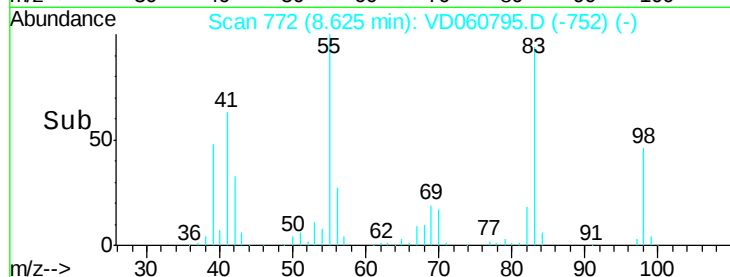
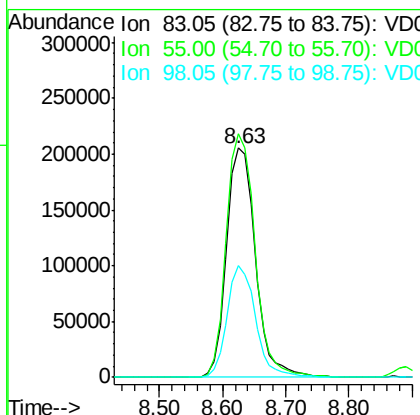
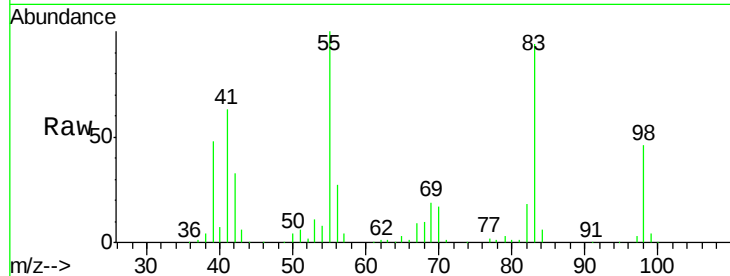
#39
Methvlcvclohexane
Concen: 73.412 ug/l
RT: 8.63 min Scan# 772
Delta R.T. -0.01 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
83	100		
55	106.3	83.8	125.8
98	49.0	39.8	59.8

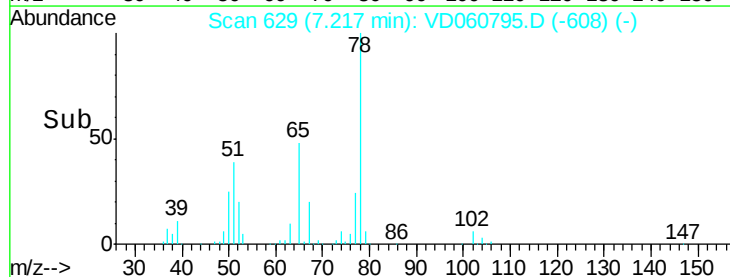
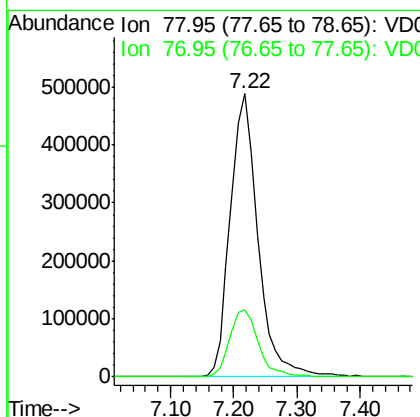
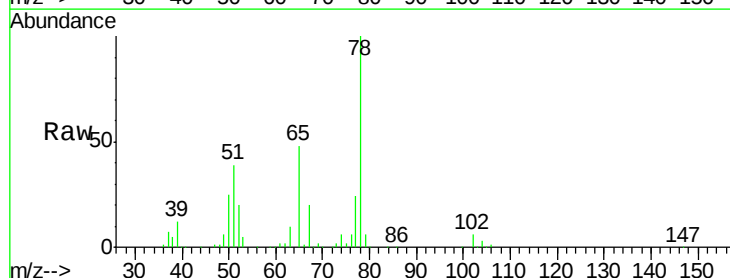
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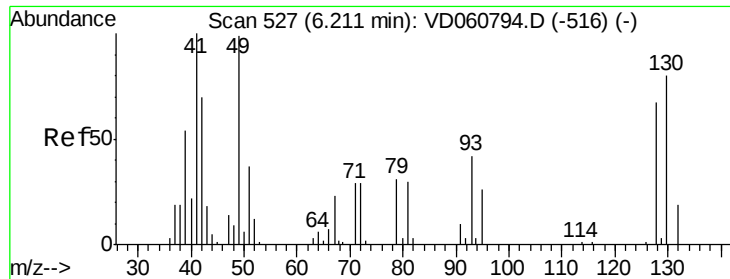
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#40
Benzene
Concen: 70.843 ug/l
RT: 7.22 min Scan# 629
Delta R.T. 0.00 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.9	28.3





#41

Methacrylonitrile

Concen: 82.821 ug/l m

RT: 6.22 min Scan# 528

Delta R.T. 0.01 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 41 Resp: 258582
Ion Ratio Lower Upper

41 100

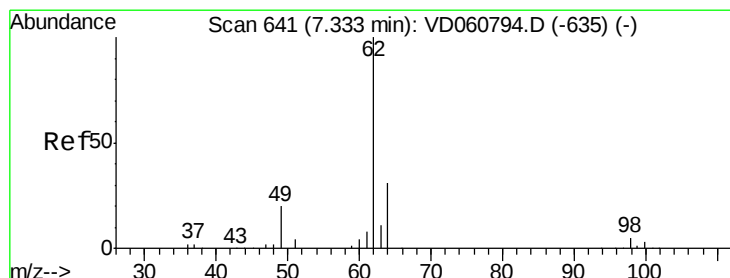
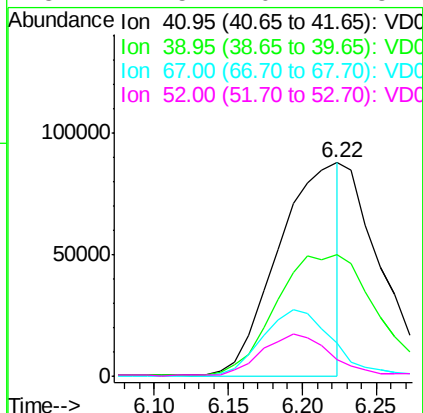
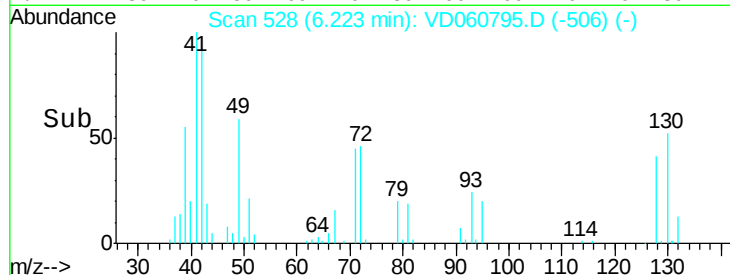
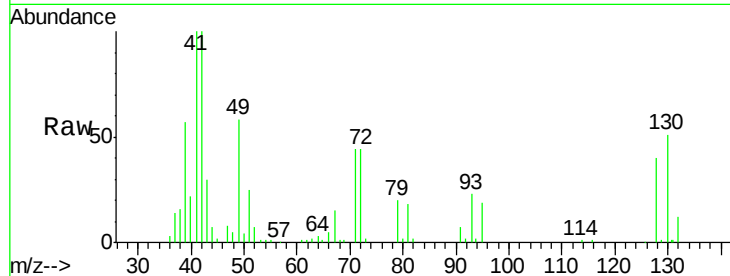
39 57.0 43.6 65.4

67 15.5 18.5 27.7#

52 7.5 10.2 15.2#

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#42

1,2-Dichloroethane

Concen: 69.492 ug/l

RT: 7.34 min Scan# 641

Delta R.T. 0.00 min

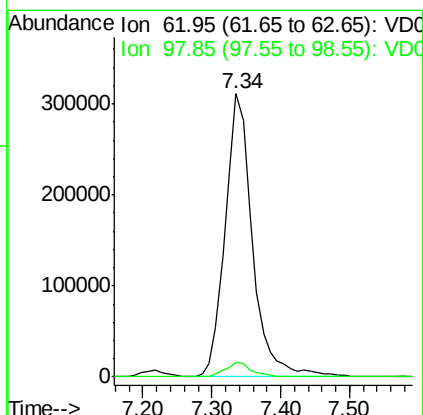
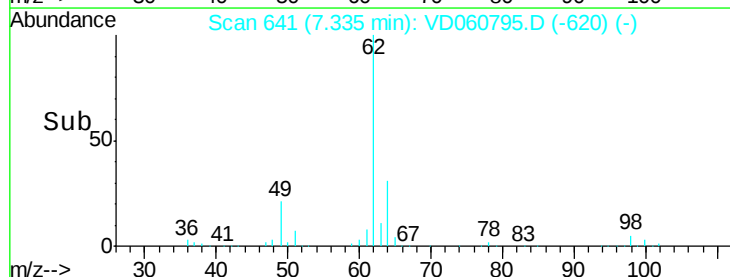
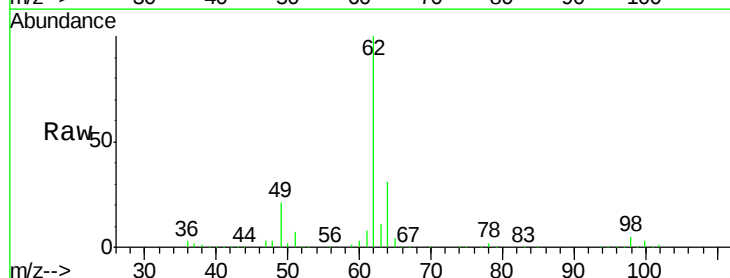
Lab File: VD060795.D

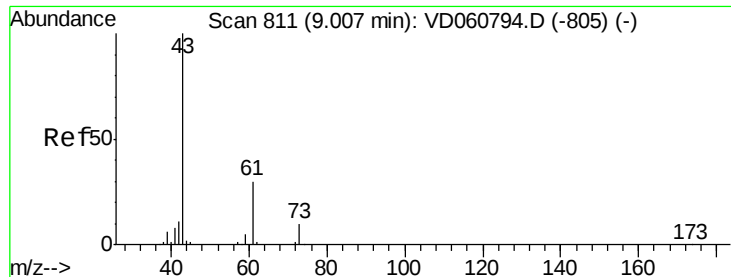
Acq: 28 Jan 2019 17:07

Tgt Ion: 62 Resp: 847482
Ion Ratio Lower Upper

62 100

98 5.2 0.0 10.2





#43

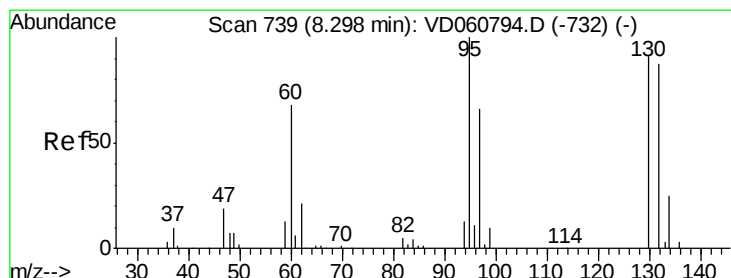
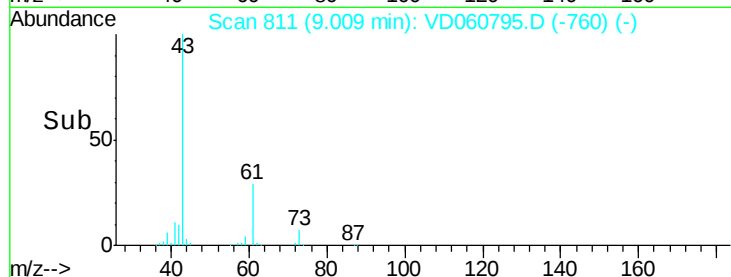
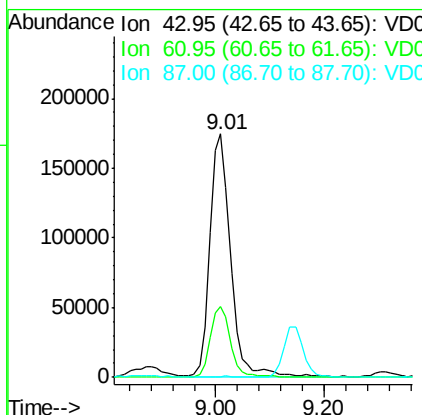
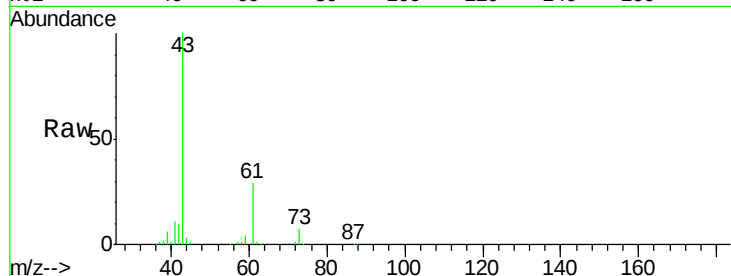
Isopropyl Acetate
 Concen: 75.093 ug/l
 RT: 9.01 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VD060795.D
 Acq: 28 Jan 2019 17:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.0	24.1	36.1
87	0.2	0.0	0.0

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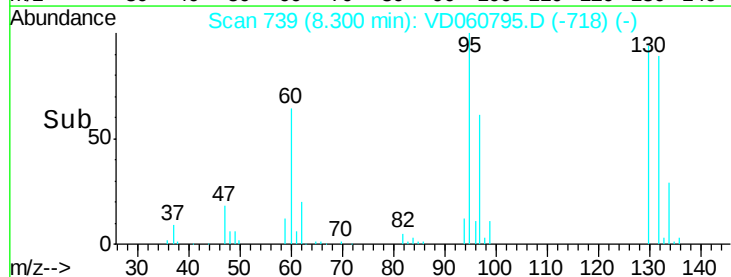
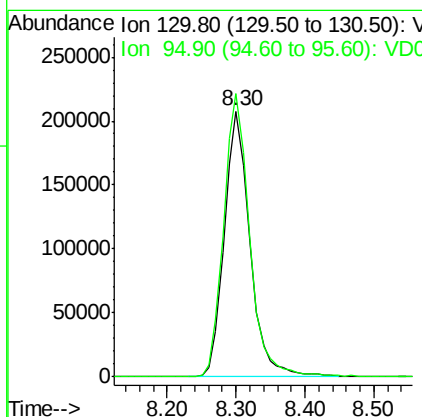
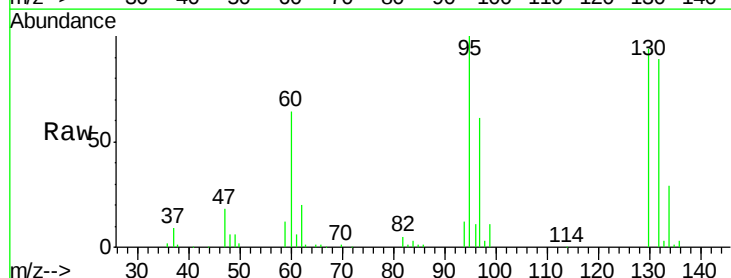
MMDadoda
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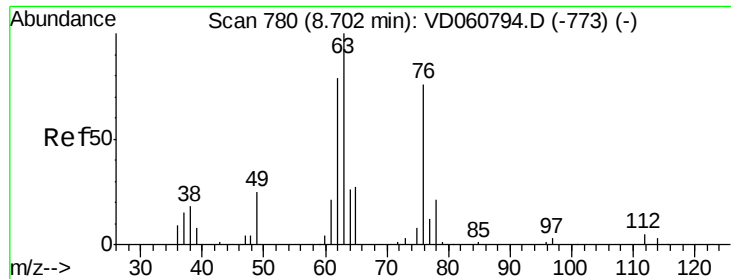


#44

Trichloroethene
 Concen: 75.363 ug/l
 RT: 8.30 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: VD060795.D
 Acq: 28 Jan 2019 17:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.6	0.0	221.0





#45

1,2-Dichloropropane

Concen: 77.713 ug/l

RT: 8.70 min Scan# 780

Delta R.T. 0.00 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 63 Resp: 441622

Ion Ratio Lower Upper

63 100

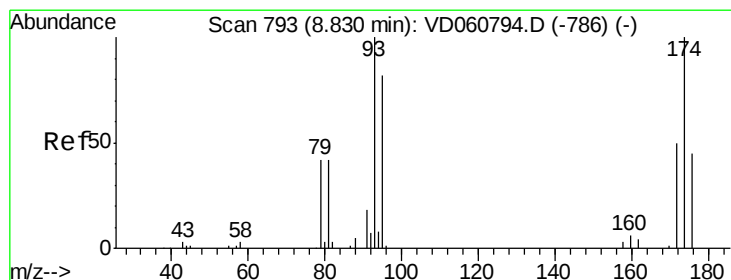
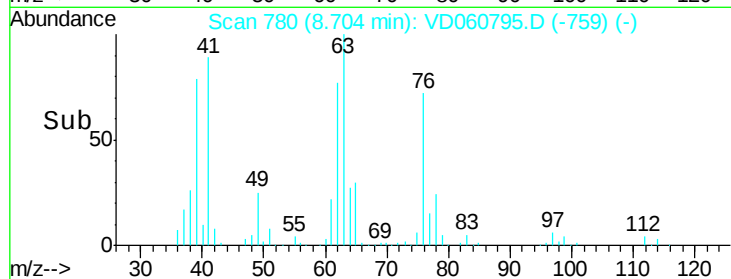
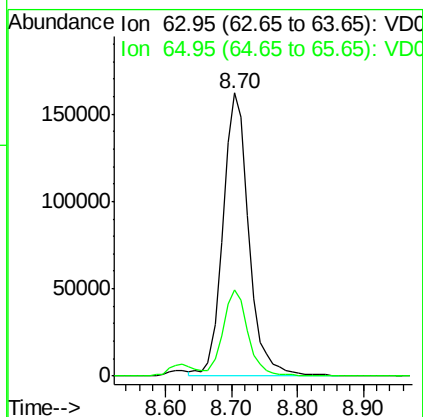
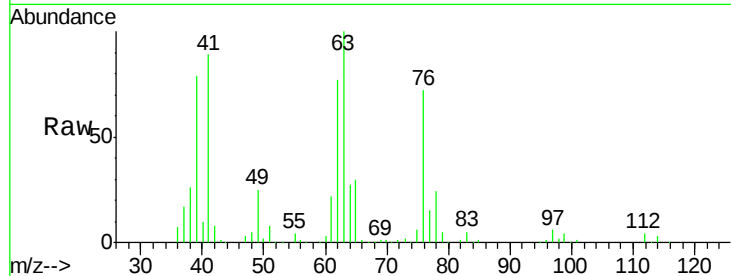
65 30.4 24.1 36.1

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#46

Dibromomethane

Concen: 75.252 ug/l

RT: 8.83 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

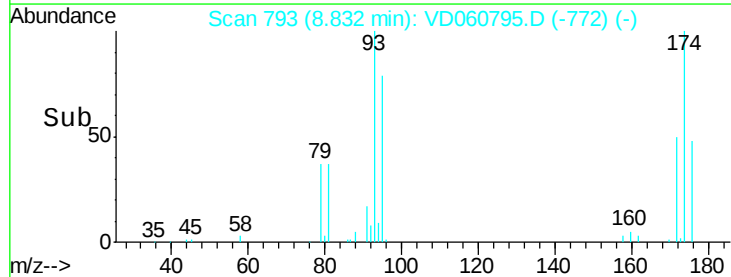
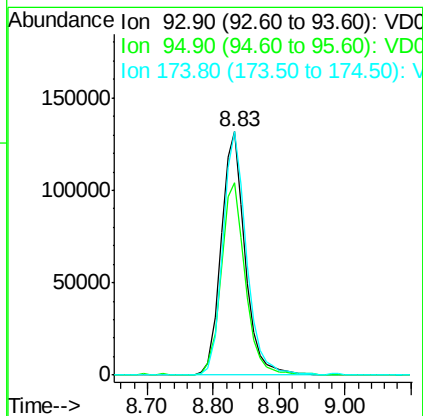
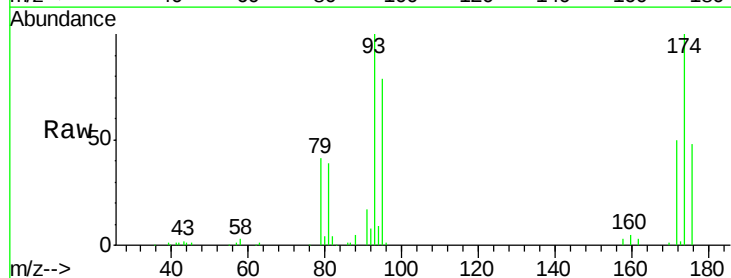
Tgt Ion: 93 Resp: 331971

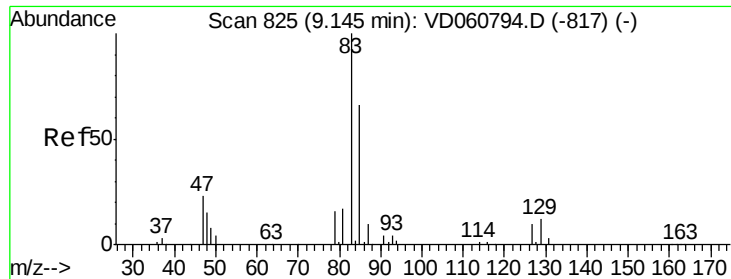
Ion Ratio Lower Upper

93 100

95 79.0 65.8 98.8

174 100.1 79.8 119.6





#47

Bromodichloromethane

Concen: 77.318 ug/l

RT: 9.14 min Scan# 824

Delta R.T. -0.01 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Instrument :

MSVOA_D

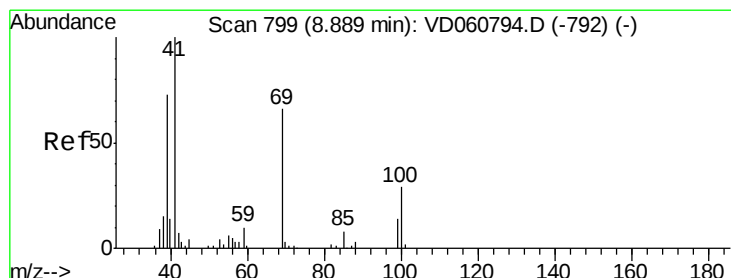
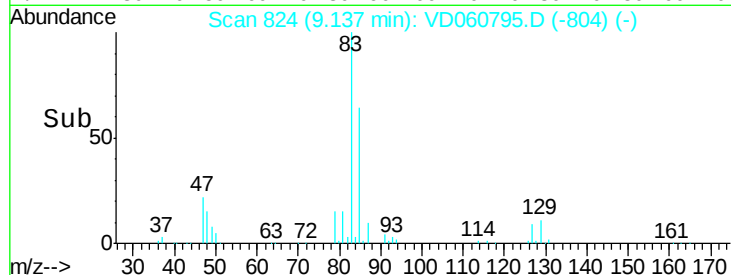
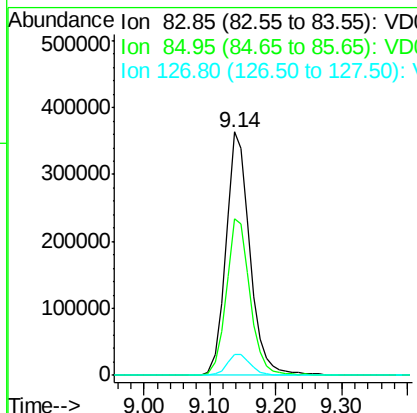
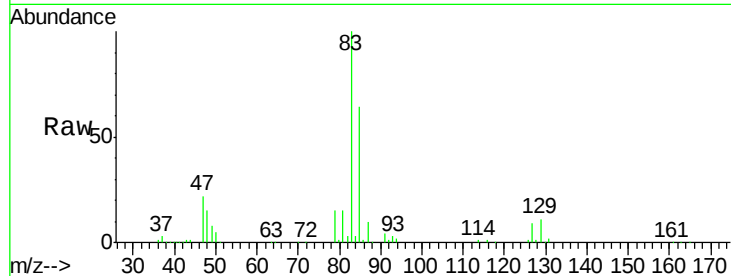
ClientSampleId :

VSTDIC075

Tot Ion:	83	Resp:	920661
Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.6	79.0
127	8.8	7.7	11.5

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#48

Methyl methacrylate

Concen: 77.270 ug/l

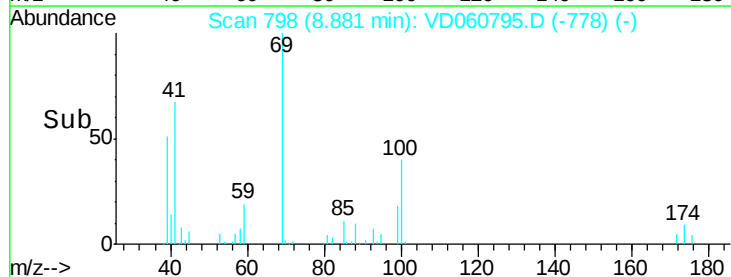
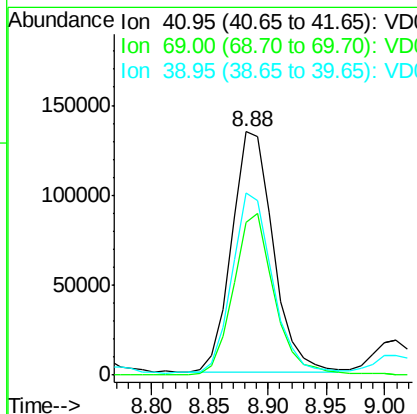
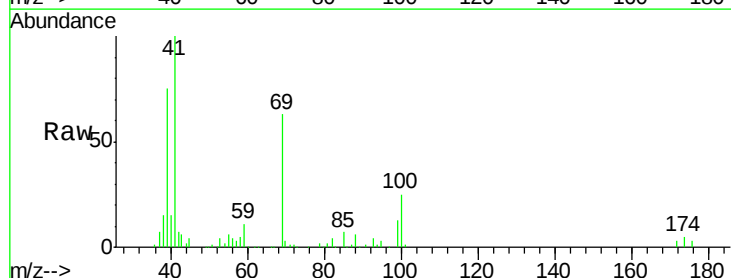
RT: 8.88 min Scan# 798

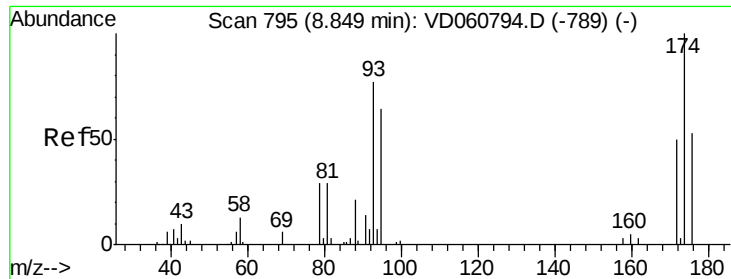
Delta R.T. -0.01 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Tgt Ion:	41	Resp:	329973
Ion	Ratio	Lower	Upper
41	100		
69	62.9	52.5	78.7
39	74.9	59.0	88.6





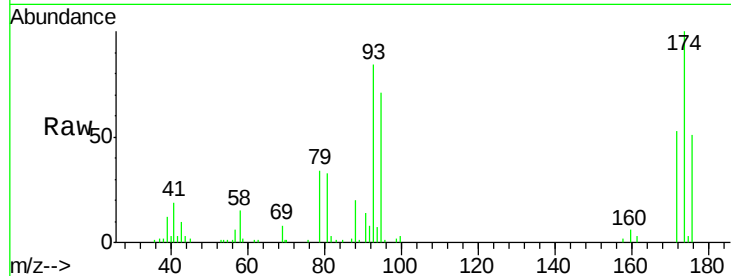
#49
1,4-Dioxane
Concen: 1670.241 ug/l
RT: 8.85 min Scan# 795
Delta R.T. 0.00 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

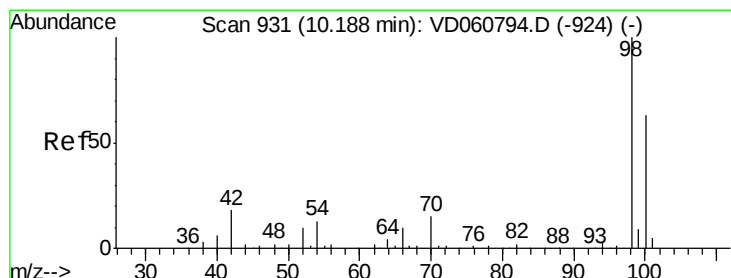
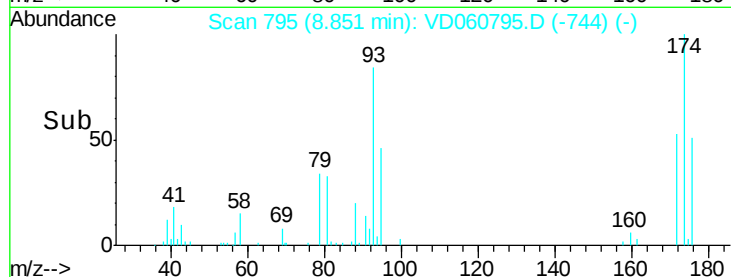
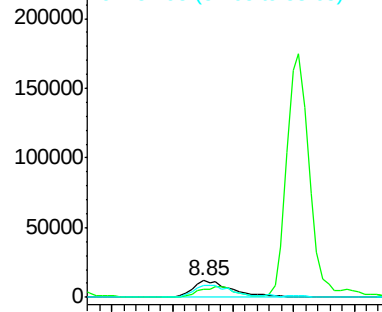
Tot Ion	Ratio	Lower	Upper
88	100		
43	48.8	40.9	61.3
58	71.7	52.2	78.4

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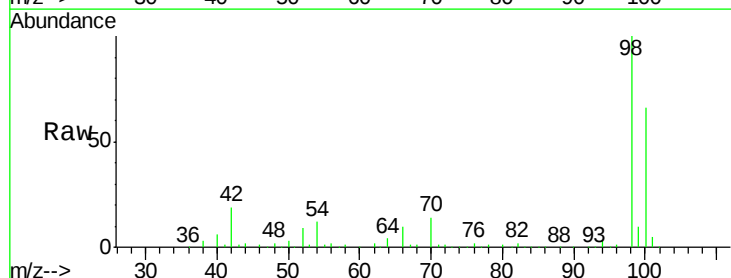


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

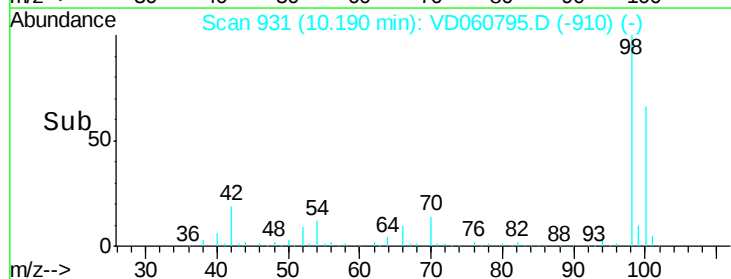
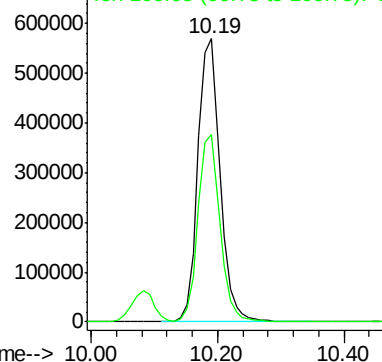


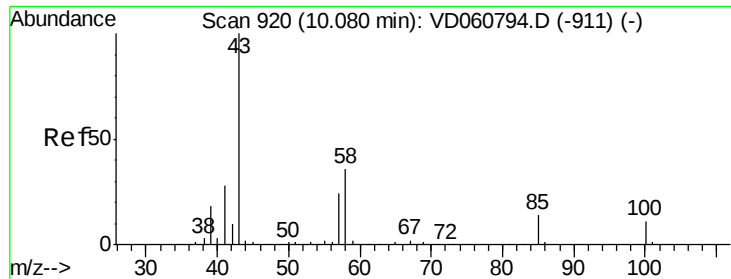
#50
Toluene-d8
Concen: 1670.241 ug/l
RT: 10.19 min Scan# 931
Delta R.T. 0.00 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	51.0	76.6



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





#51

4-Methyl-2-Pentanone

Concen: 368.461 ug/l

RT: 10.08 min Scan# 920

Delta R.T. 0.00 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 1477643

Ion Ratio Lower Upper

43 100

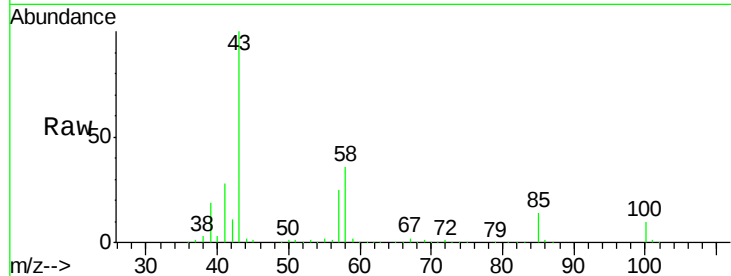
58 35.8 28.4 42.6

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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

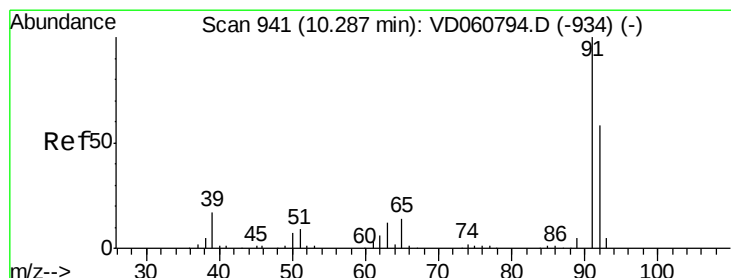
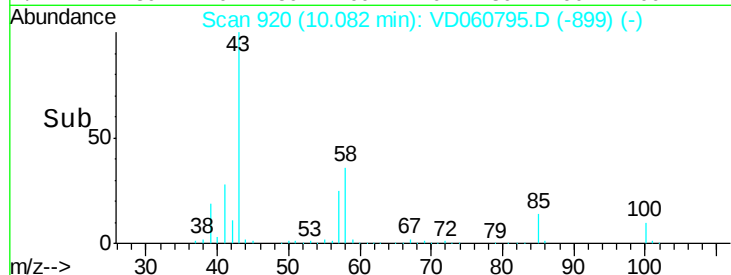
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 69.235 ug/l

RT: 10.29 min Scan# 941

Delta R.T. 0.00 min

Lab File: VD060795.D

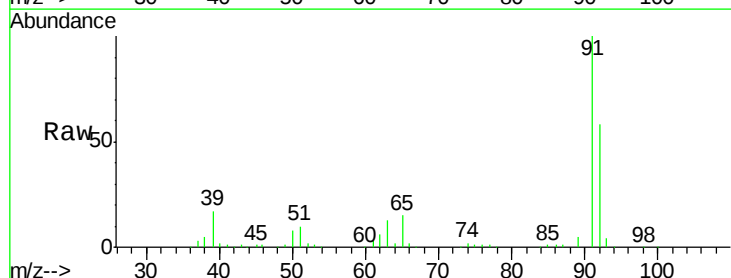
Acq: 28 Jan 2019 17:07

Tgt Ion: 92 Resp: 921944

Ion Ratio Lower Upper

92 100

91 173.4 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.29

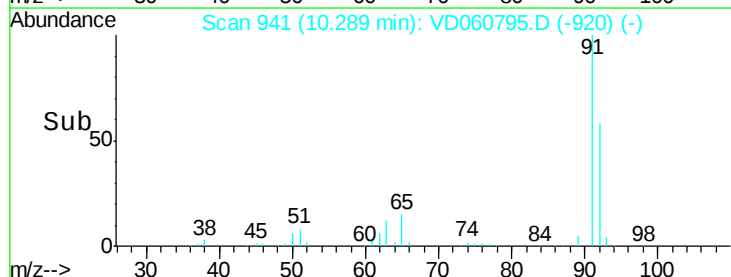
600000

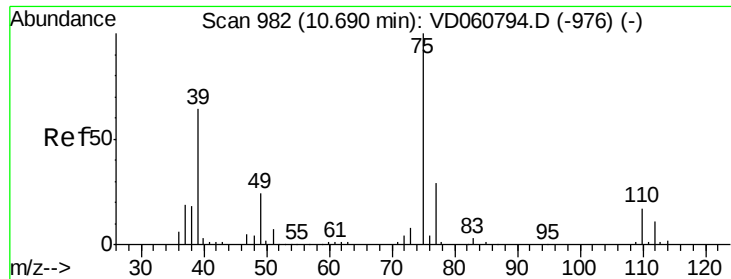
400000

200000

0

Time-->





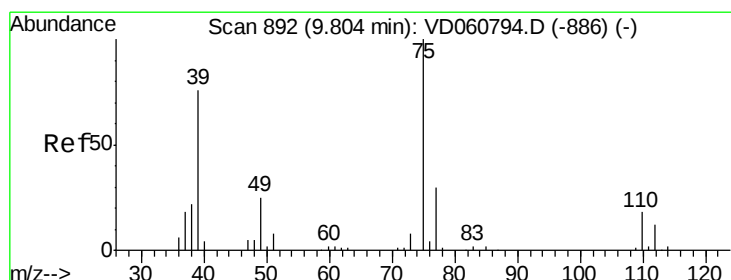
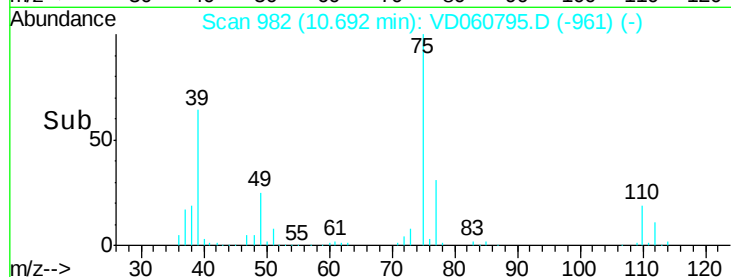
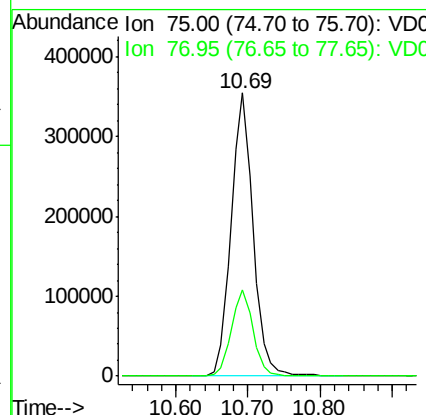
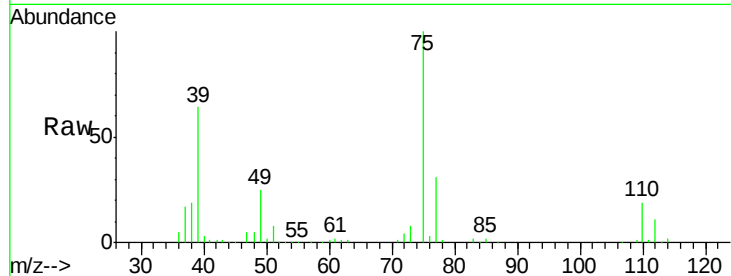
#53
 t-1,3-Dichloropropene
 Concen: 71.515 ug/l
 RT: 10.69 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VD060795.D
 Acq: 28 Jan 2019 17:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion: 75 Resp: 749049
 Ion Ratio Lower Upper
 75 100
 77 30.6 23.0 34.6

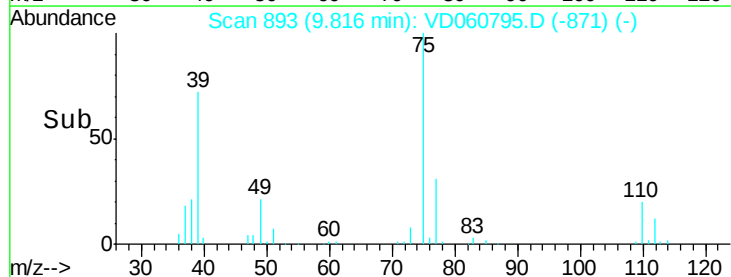
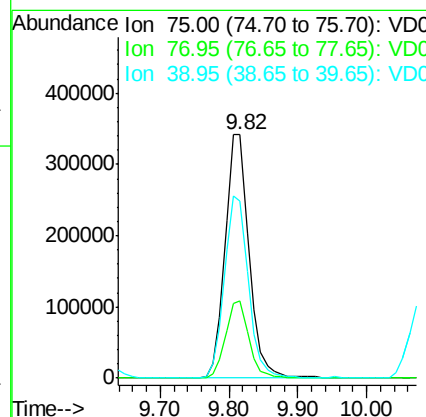
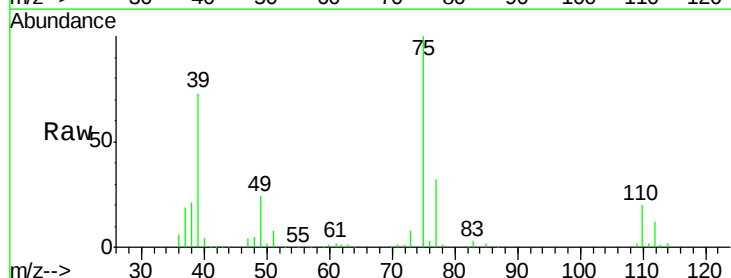
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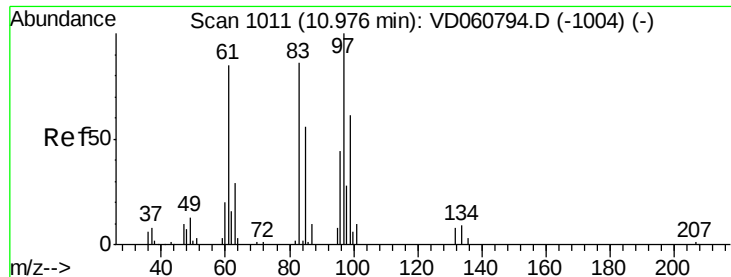
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#54
 cis-1,3-Dichloropropene
 Concen: 76.681 ug/l
 RT: 9.82 min Scan# 893
 Delta R.T. 0.01 min
 Lab File: VD060795.D
 Acq: 28 Jan 2019 17:07

Tgt Ion: 75 Resp: 823601
 Ion Ratio Lower Upper
 75 100
 77 31.6 23.9 35.9
 39 72.5 60.4 90.6





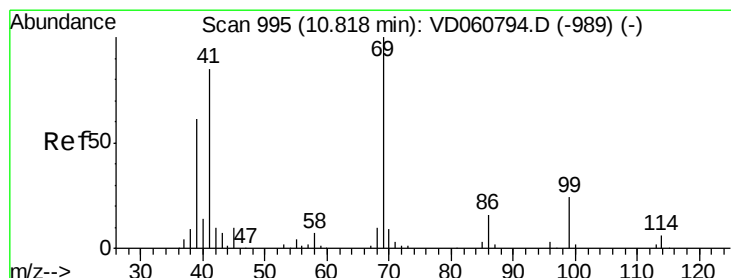
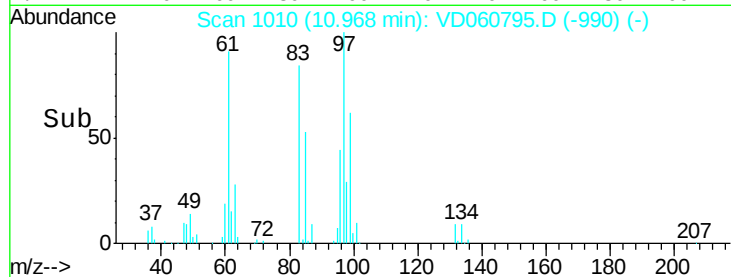
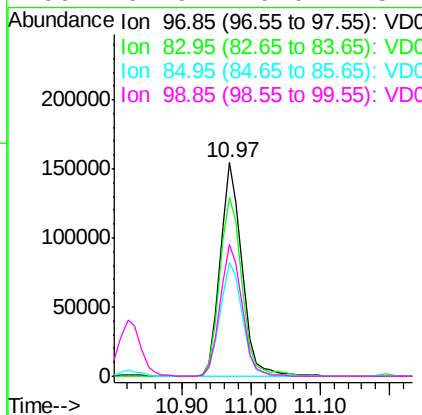
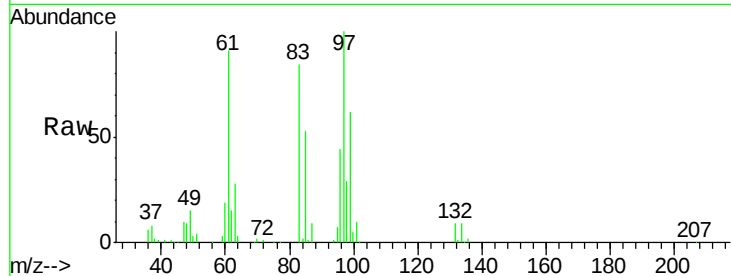
#55
 1,1,2-Trichloroethane
 Concen: 74.390 ug/l
 RT: 10.97 min Scan# 1010
 Delta R.T. -0.01 min
 Lab File: VD060795.D
 Acq: 28 Jan 2019 17:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
97	100	337732		
83	84.1	68.5	102.7	
85	53.4	45.0	67.6	
99	61.9	49.0	73.4	

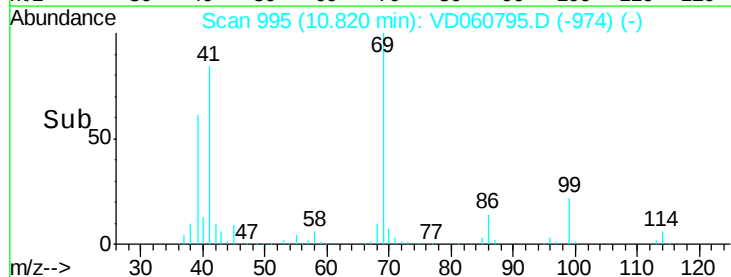
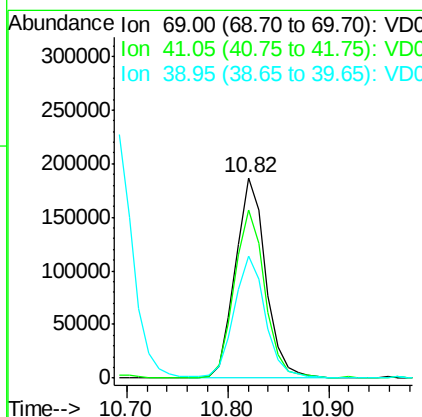
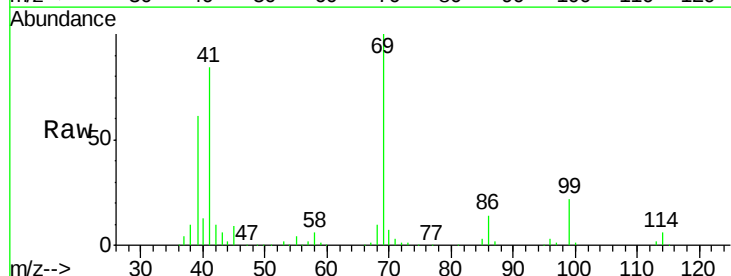
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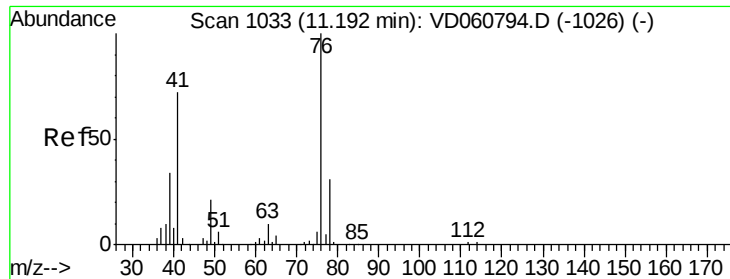
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#56
 Ethyl methacrylate
 Concen: 71.394 ug/l
 RT: 10.82 min Scan# 995
 Delta R.T. 0.00 min
 Lab File: VD060795.D
 Acq: 28 Jan 2019 17:07

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	392654		
41	83.7	68.2	102.2	
39	61.1	49.4	74.0	





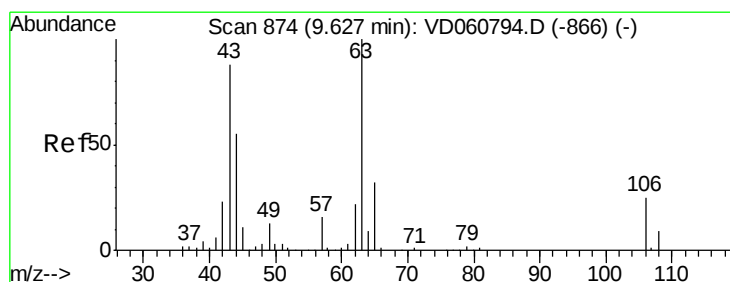
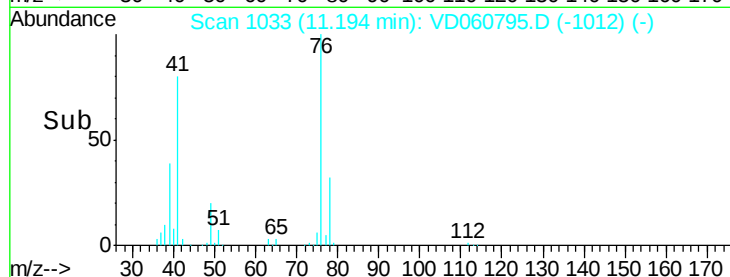
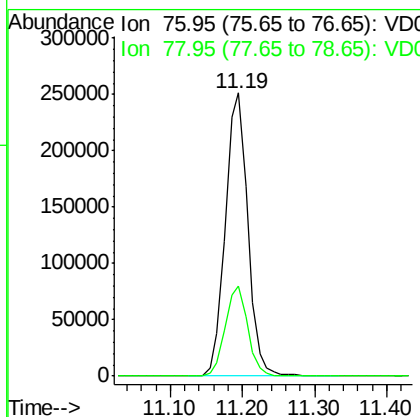
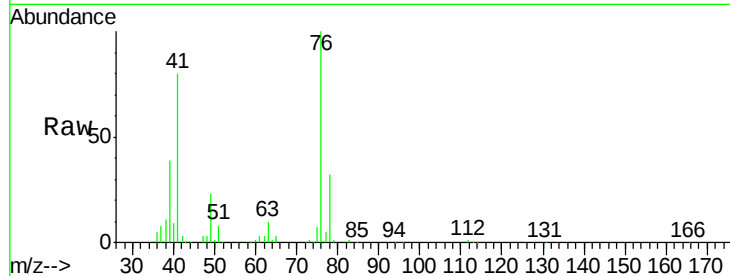
#57
 1,3-Dichloropropane
 Concen: 70.088 ug/l
 RT: 11.19 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VD060795.D
 Acq: 28 Jan 2019 17:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion: 76 Resp: 543823
 Ion Ratio Lower Upper
 76 100
 78 31.7 24.5 36.7

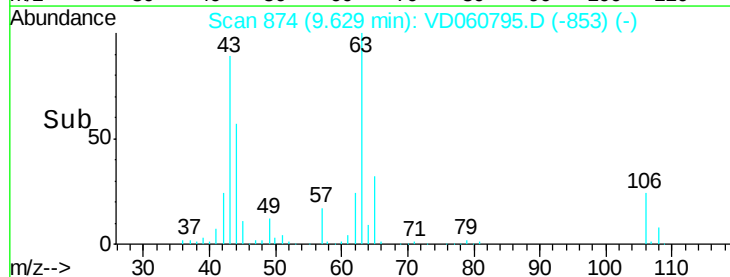
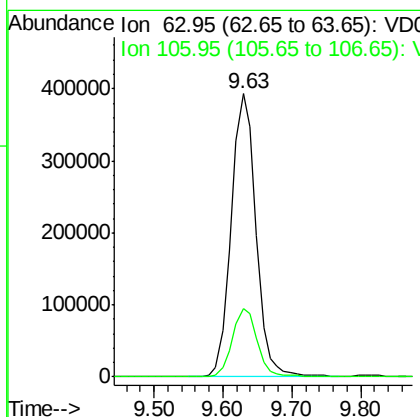
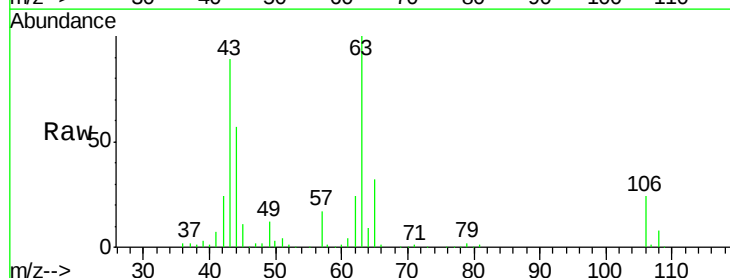
Manual Integrations
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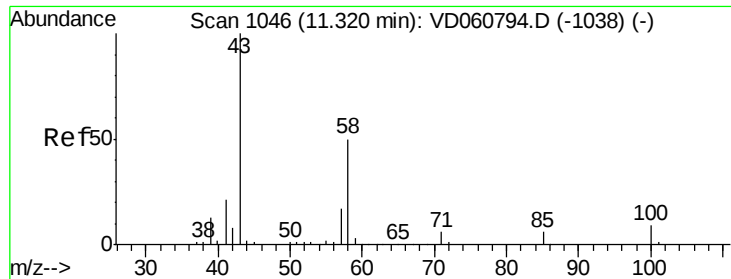
MMDadoda
 1/29/2019 4:55:46 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 338.842 ug/l
 RT: 9.63 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VD060795.D
 Acq: 28 Jan 2019 17:07

Tgt Ion: 63 Resp: 977798
 Ion Ratio Lower Upper
 63 100
 106 24.0 19.9 29.9





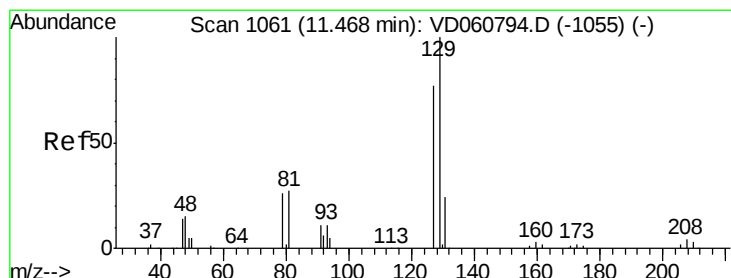
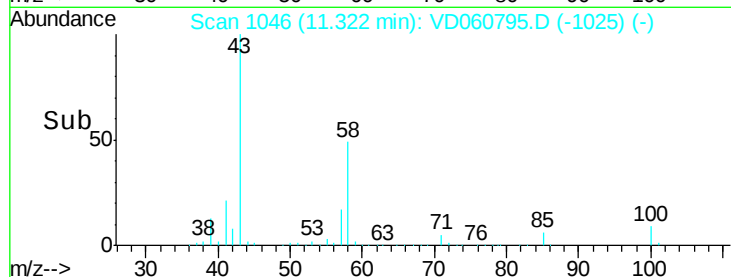
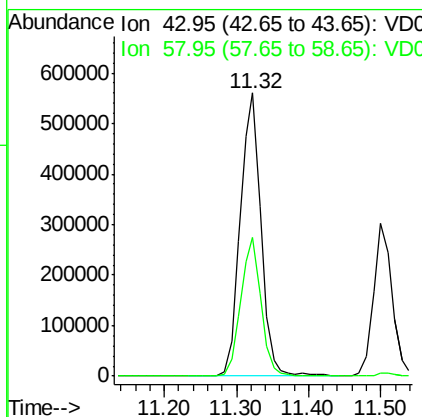
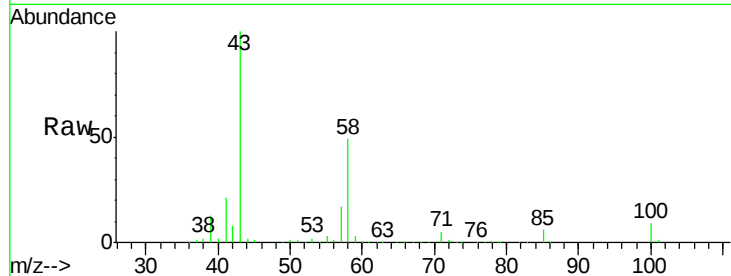
#59
2-Hexanone
Concen: 374.499 ug/l
RT: 11.32 min Scan# 1046
Delta R.T. 0.00 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 43 Resp: 1129249
Ion Ratio Lower Upper
43 100
58 49.0 25.0 75.0

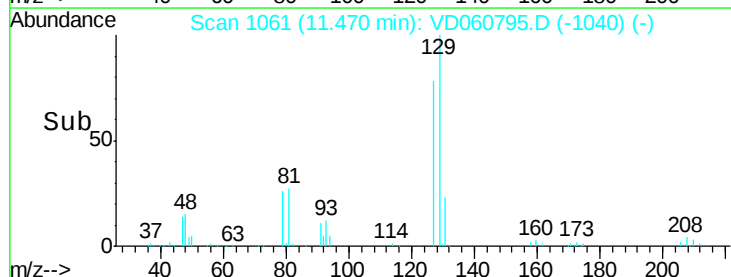
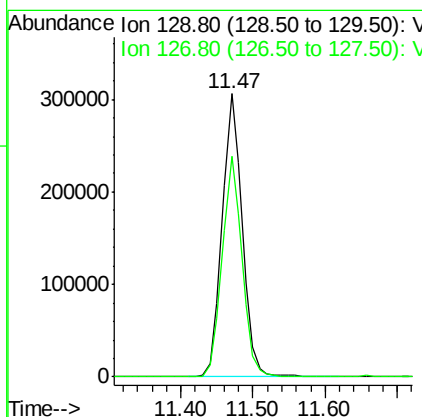
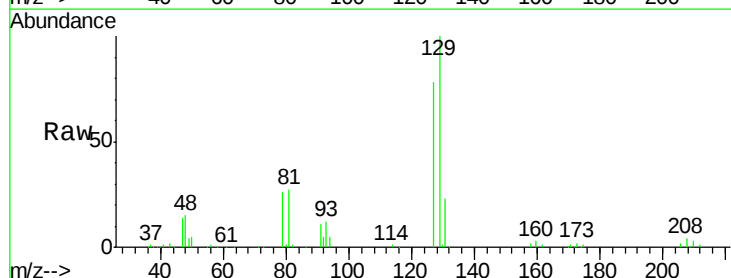
Manual Integrations
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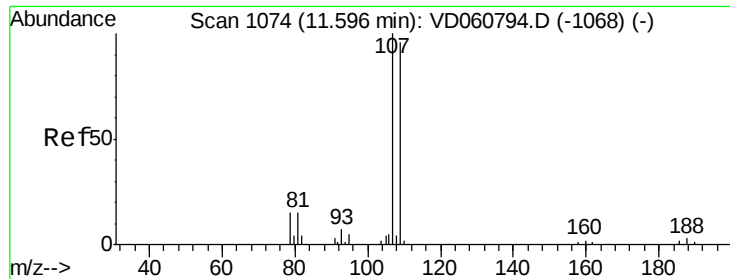
MMDadoda
1/29/2019 4:55:46 PM



#60
Dibromochloromethane
Concen: 72.129 ug/l
RT: 11.47 min Scan# 1061
Delta R.T. 0.00 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

Tgt Ion: 129 Resp: 588721
Ion Ratio Lower Upper
129 100
127 77.8 38.6 115.7





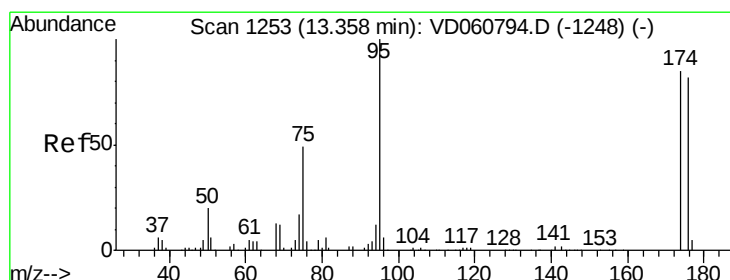
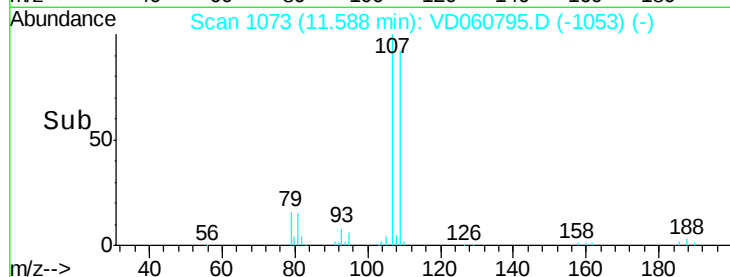
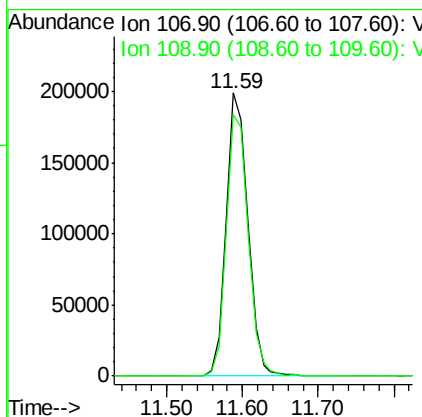
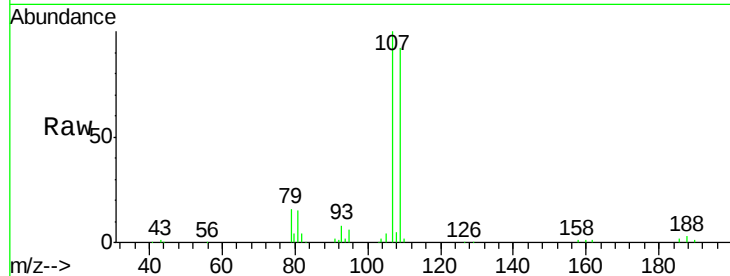
#61
 1,2-Dibromoethane
 Concen: 73.395 ug/l
 RT: 11.59 min Scan# 1073
 Delta R.T. -0.01 min
 Lab File: VD060795.D
 Acq: 28 Jan 2019 17:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.3	76.6	114.8

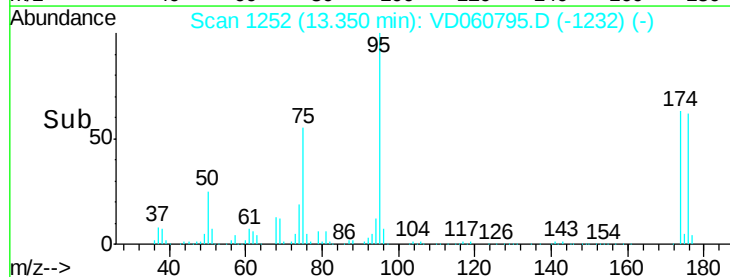
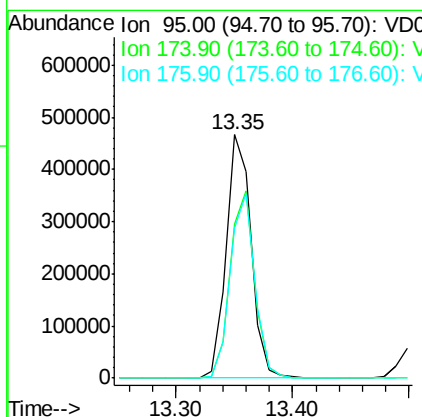
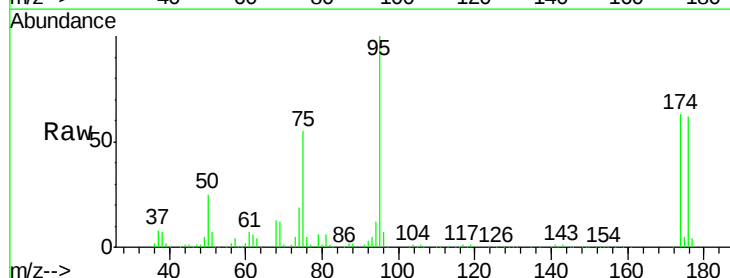
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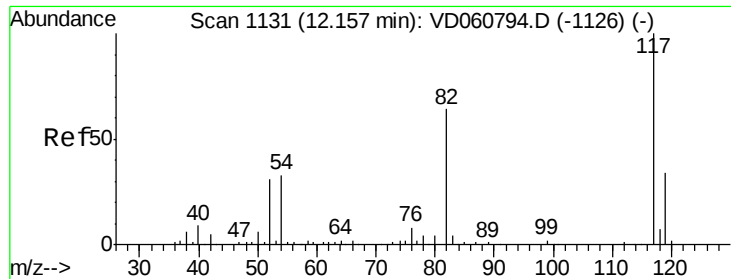
MMDadoda
 1/29/2019 4:55:46 PM



#62
 4-Bromofluorobenzene
 Concen: 73.395 ug/l
 RT: 13.35 min Scan# 1252
 Delta R.T. -0.01 min
 Lab File: VD060795.D
 Acq: 28 Jan 2019 17:07

Tgt Ion	Ratio	Lower	Upper
95	100		
174	63.4	0.0	169.6
176	61.5	0.0	163.8





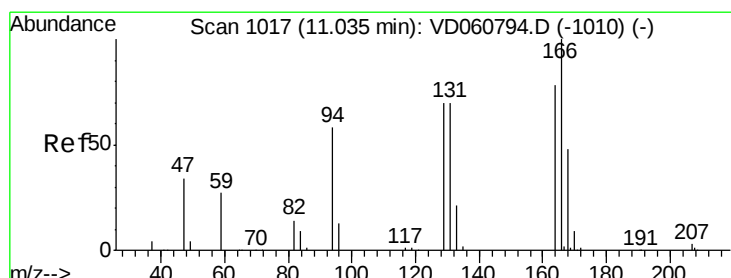
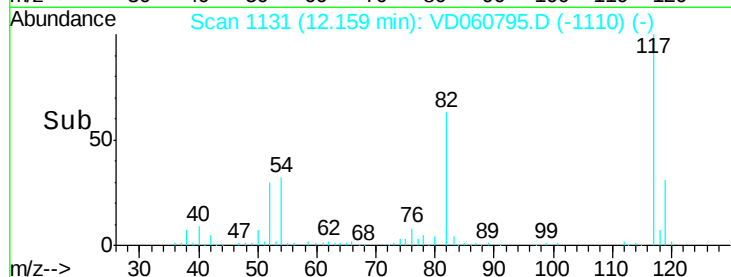
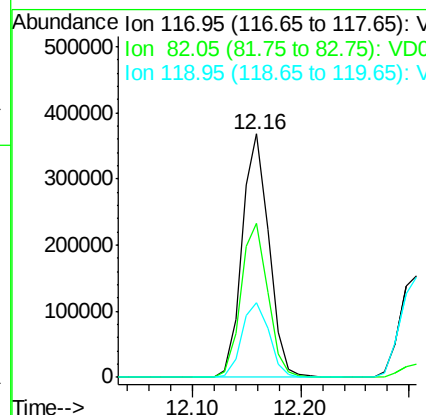
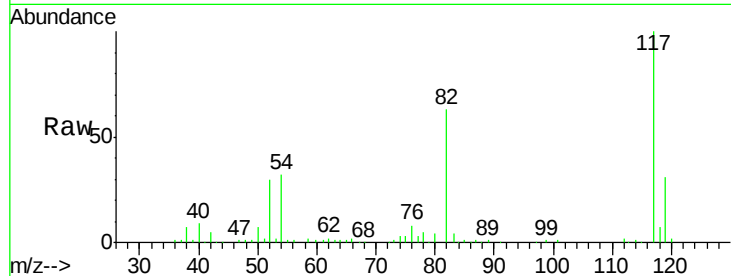
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.16 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.3	51.5	77.3
119	30.6	27.1	40.7

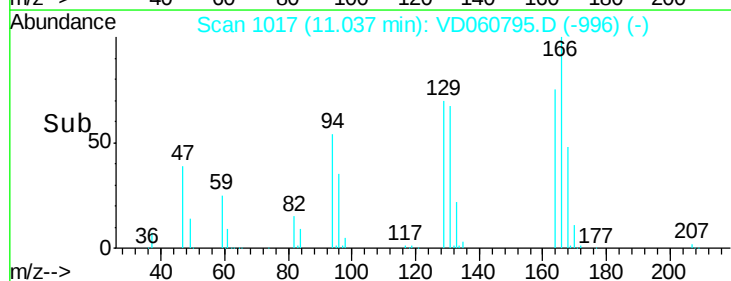
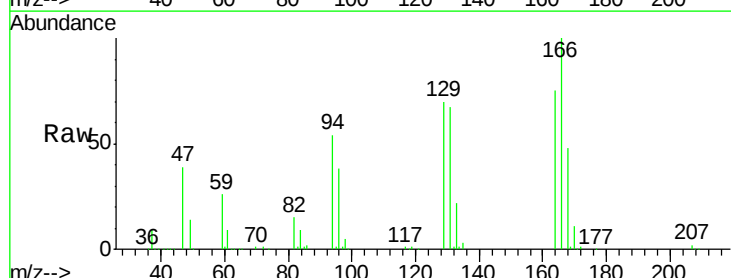
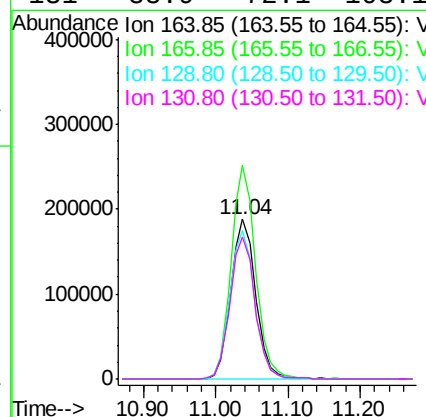
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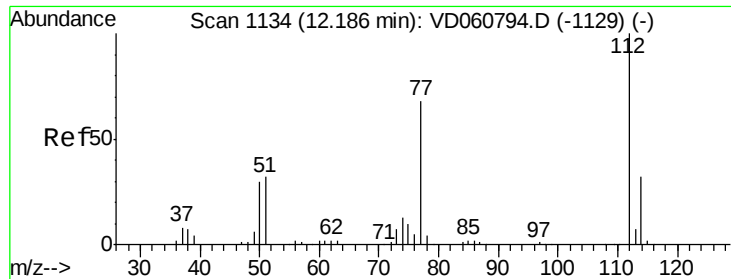
MMDadoda
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#64
Tetrachloroethene
Concen: 78.151 ug/l
RT: 11.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.7	102.6	154.0
129	93.1	72.3	108.5
131	88.9	72.1	108.1





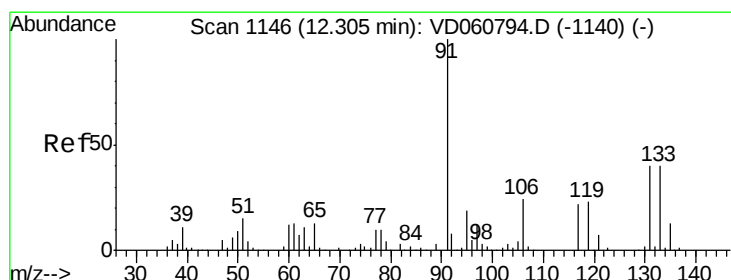
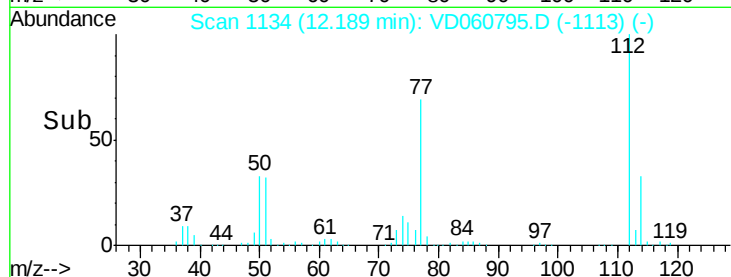
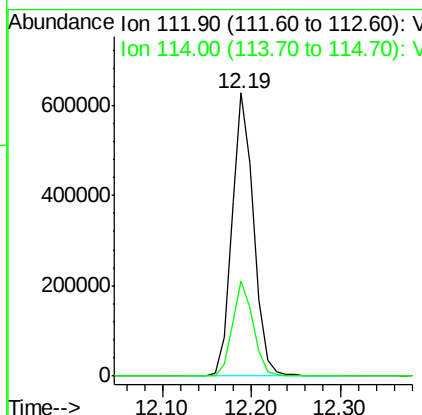
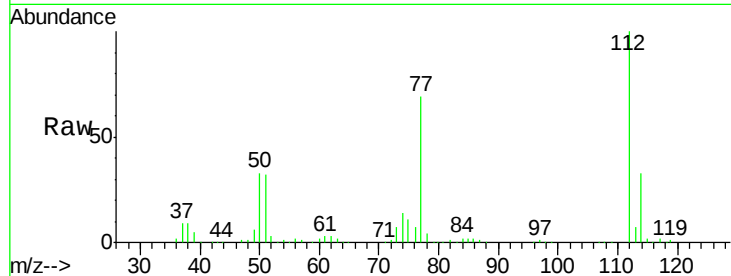
#65
Chlorobenzene
Concen: 74.020 ug/l
RT: 12.19 min Scan# 1134
Delta R.T. 0.00 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:112 Resp: 1069029
Ion Ratio Lower Upper
112 100
114 33.4 25.2 37.8

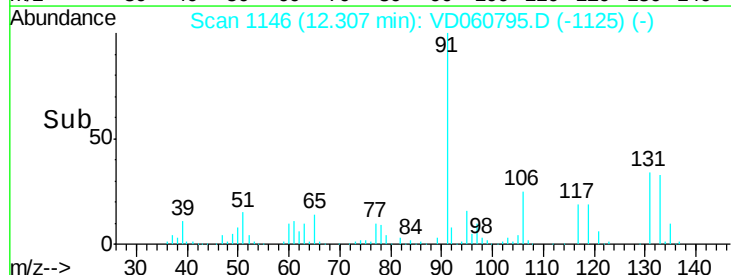
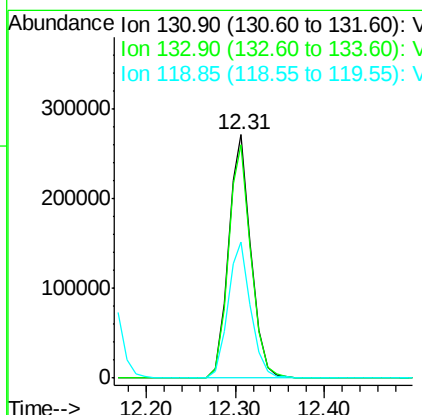
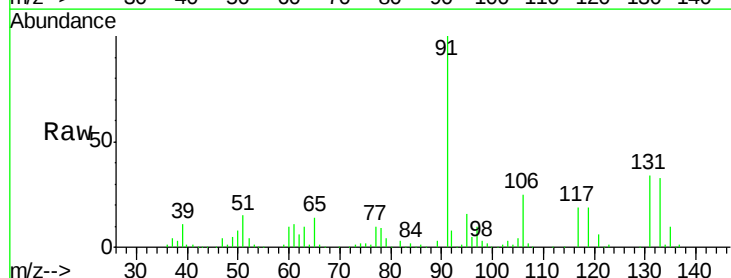
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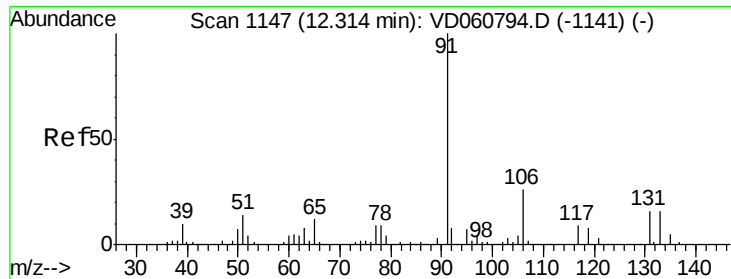
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#66
1,1,1,2-Tetrachloroethane
Concen: 77.289 ug/l
RT: 12.31 min Scan# 1146
Delta R.T. 0.00 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

Tgt Ion:131 Resp: 479569
Ion Ratio Lower Upper
131 100
133 95.9 49.9 149.7
119 56.0 28.5 85.5





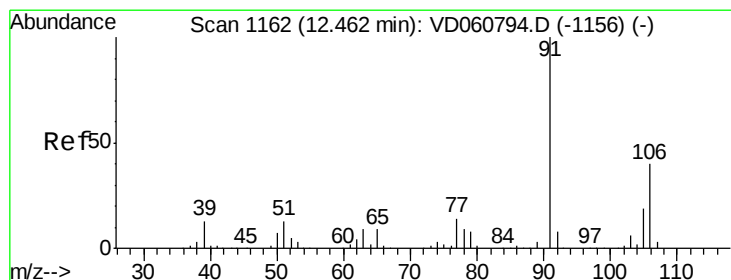
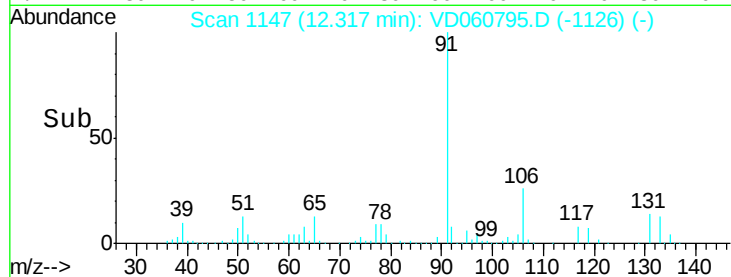
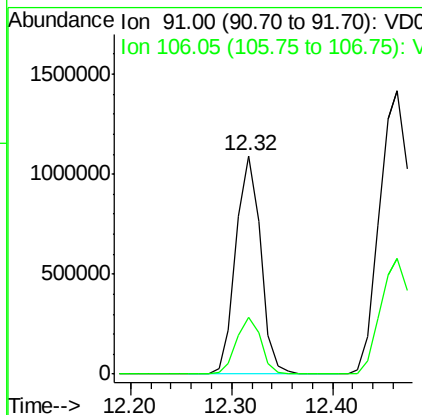
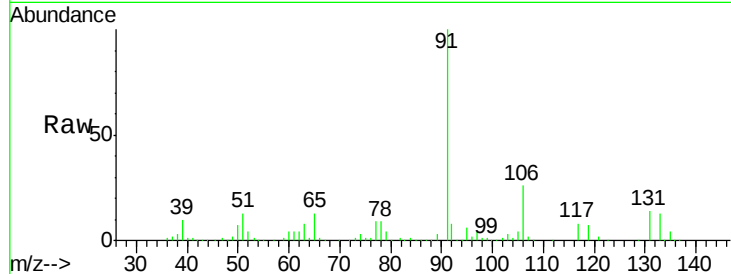
#67
Ethyl Benzene
Concen: 71.969 ug/l
RT: 12.32 min Scan# 1147
Delta R.T. 0.00 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 91 Resp: 1869058
Ion Ratio Lower Upper
91 100
106 25.9 21.0 31.6

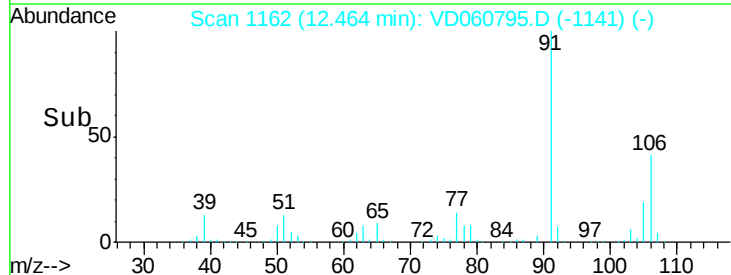
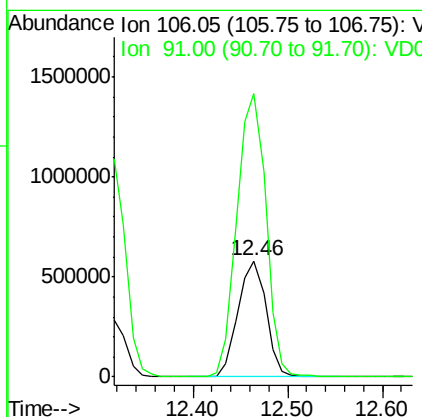
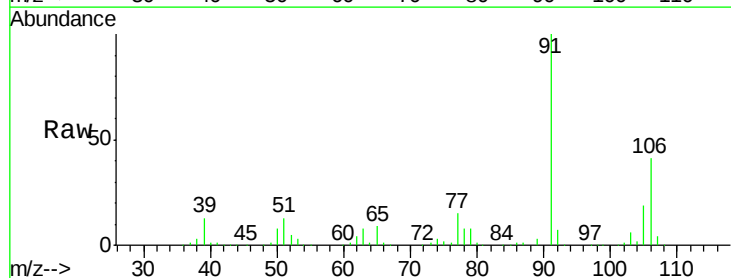
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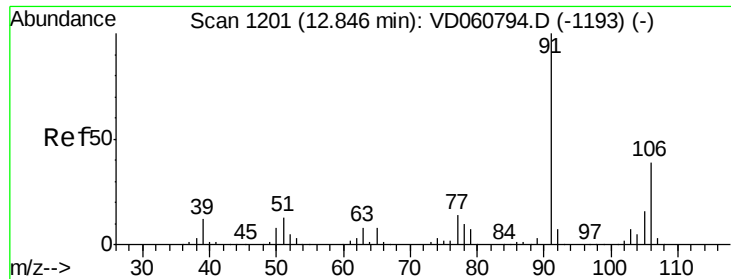
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#68
m/p-Xylenes
Concen: 141.587 ug/l
RT: 12.46 min Scan# 1162
Delta R.T. 0.00 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

Tgt Ion: 106 Resp: 1196300
Ion Ratio Lower Upper
106 100
91 244.6 200.5 300.7





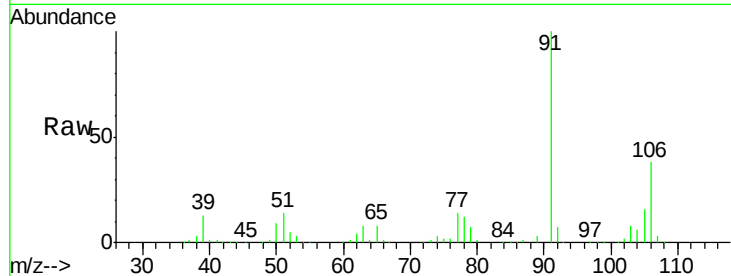
#69
o-Xylene
Concen: 75.332 ug/l
RT: 12.85 min Scan# 1201
Delta R.T. 0.00 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

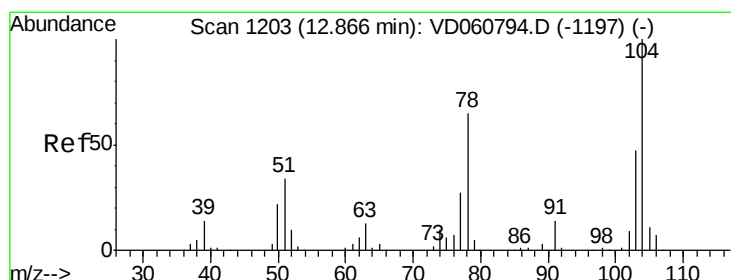
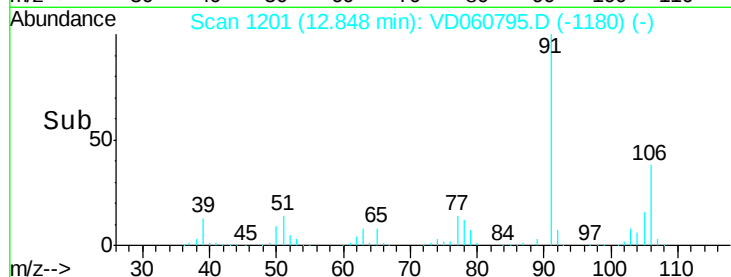
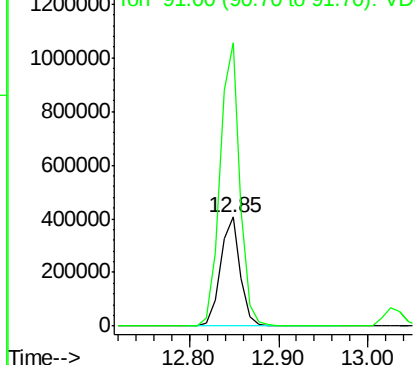
Tot Ion:106 Resp: 629968
Ion Ratio Lower Upper
106 100
91 259.9 127.6 382.7

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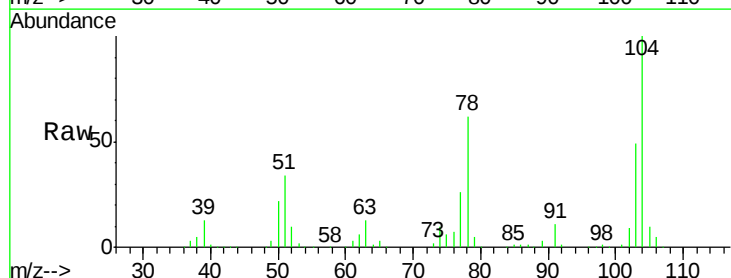


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

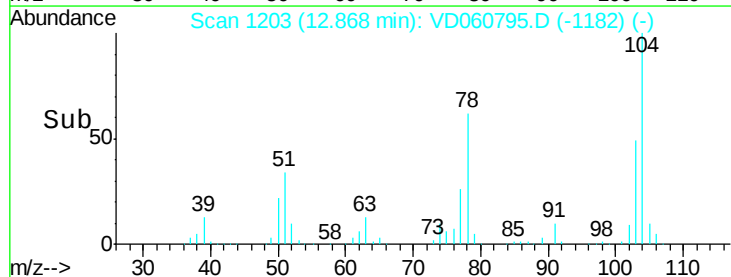
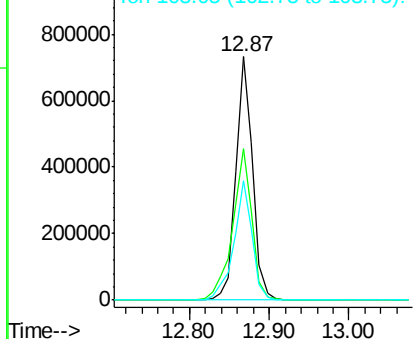


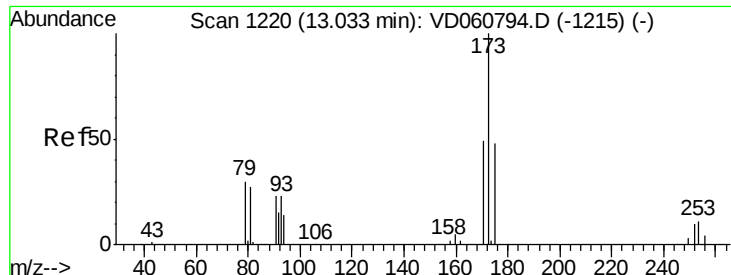
#70
Styrene
Concen: 76.974 ug/l
RT: 12.87 min Scan# 1203
Delta R.T. 0.00 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

Tgt Ion:104 Resp: 1079436
Ion Ratio Lower Upper
104 100
78 62.5 52.0 78.0
103 49.0 37.7 56.5



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





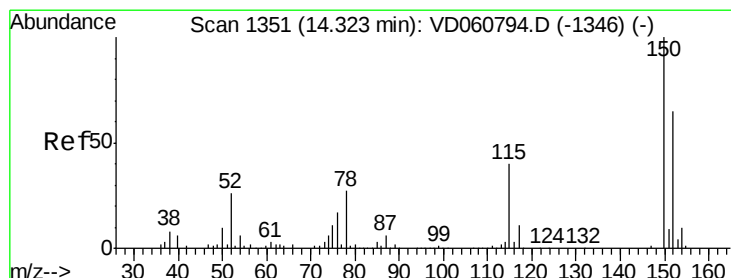
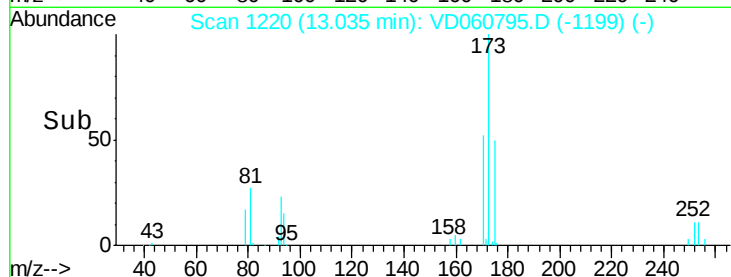
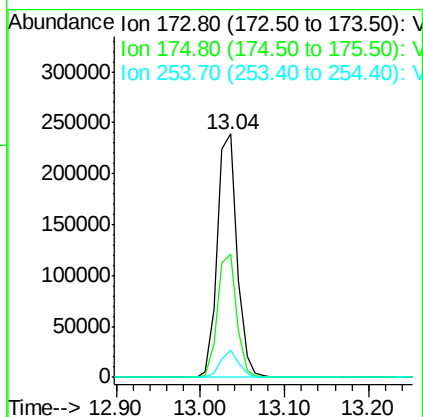
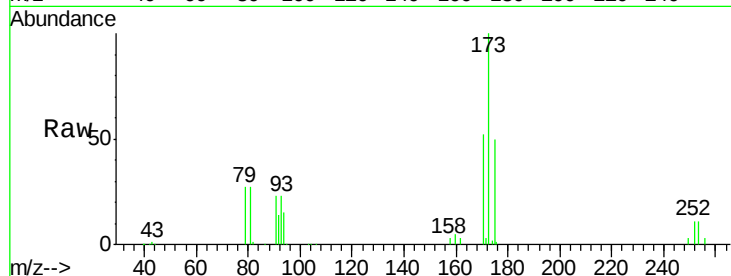
#71
Bromoform
Concen: 83.229 ug/l
RT: 13.04 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.5	24.1	72.4
254	11.5	9.1	13.7

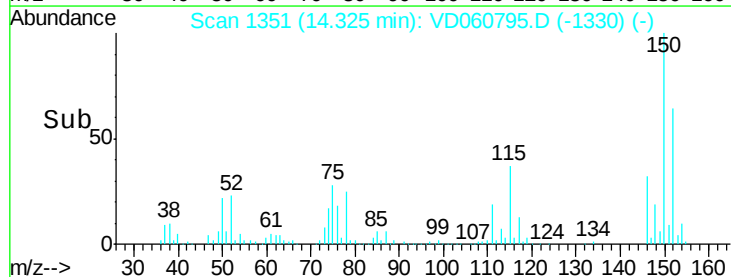
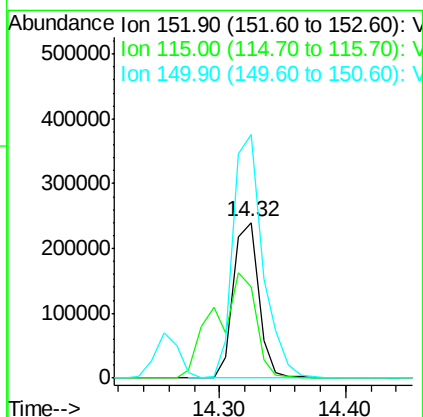
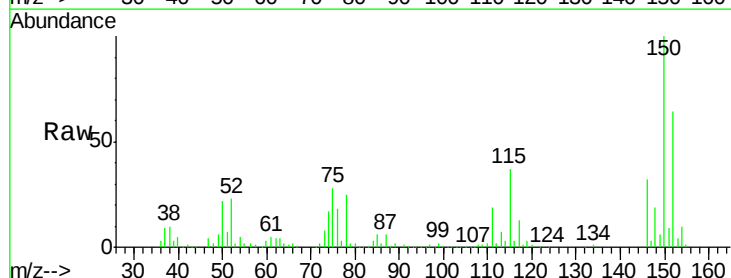
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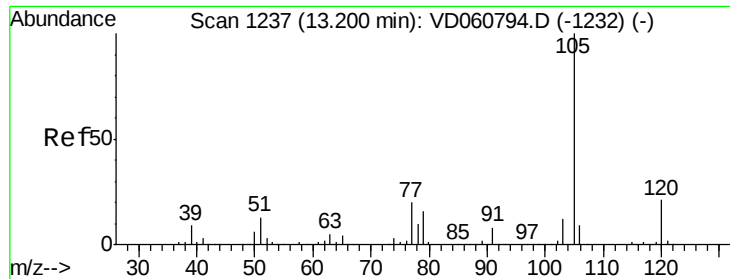
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.32 min Scan# 1351
Delta R.T. 0.00 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	31.6	95.0
150	156.7	0.0	317.6





#73

Isopropylbenzene

Concen: 69.214 ug/l

RT: 13.20 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:105 Resp: 1836726

Ion Ratio Lower Upper

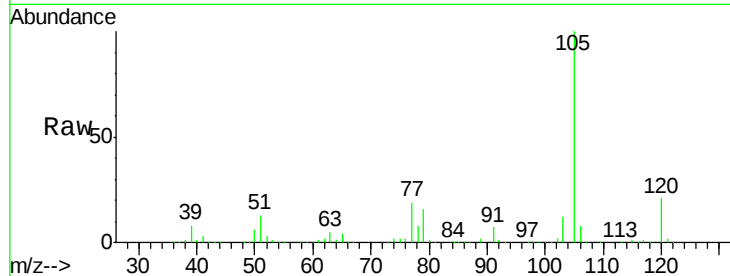
105 100

120 21.2 10.7 32.1

Manual Integrations
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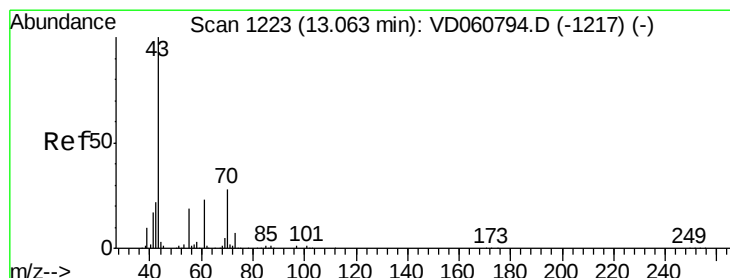
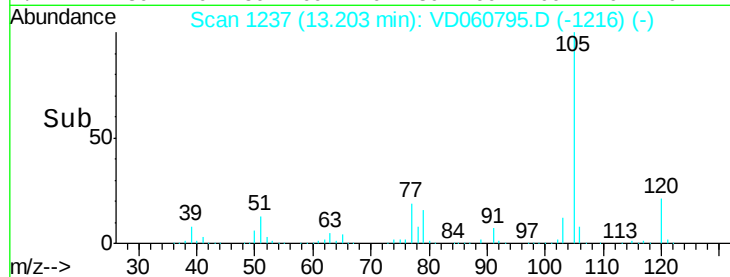
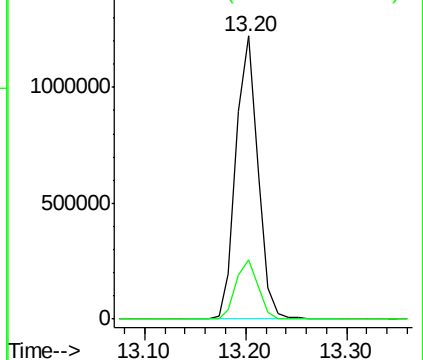
MMDadoda

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 79.018 ug/l

RT: 13.06 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Tgt Ion: 43 Resp: 644636

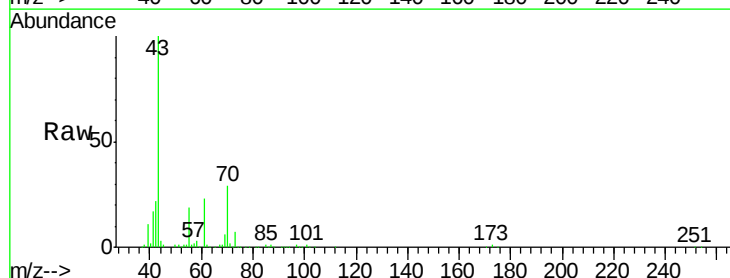
Ion Ratio Lower Upper

43 100

70 28.7 22.2 33.4

55 19.3 15.5 23.3

61 23.3 18.4 27.6

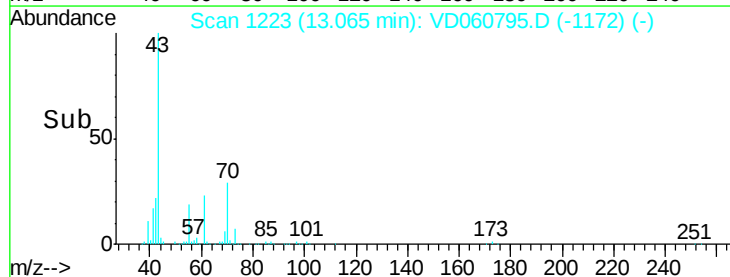
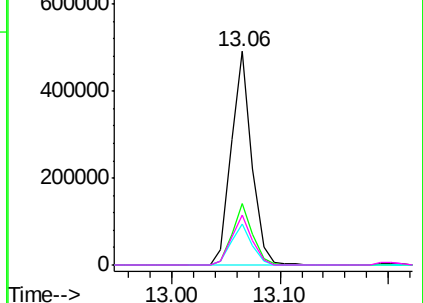


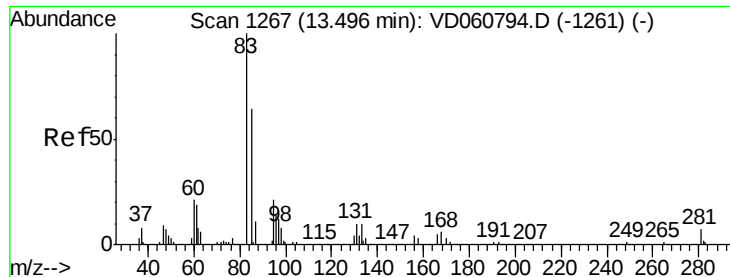
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 79.407 ug/l

RT: 13.50 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Instrument :

MSVOA_D

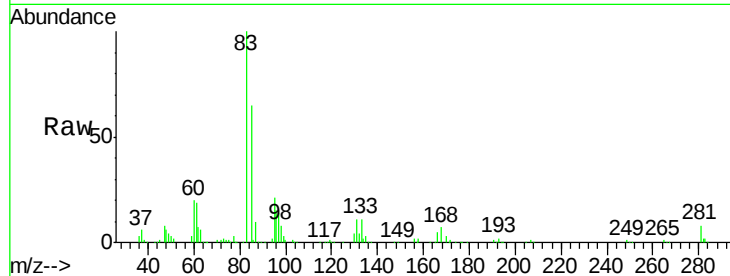
ClientSampleId :

VSTDIC075

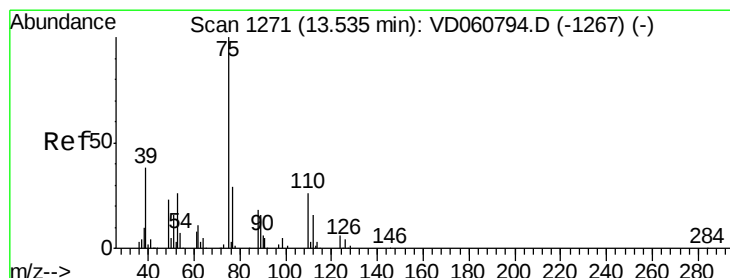
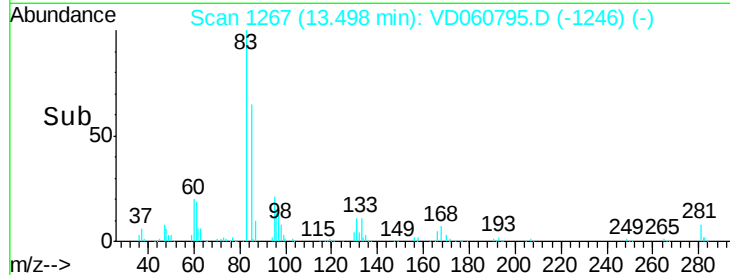
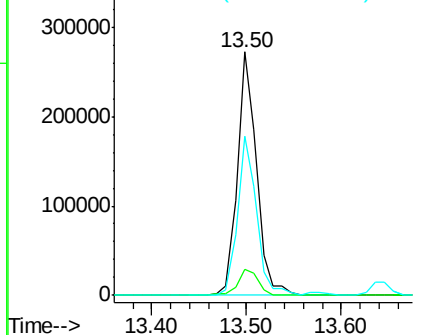
Tot Ion:	83	Resp:	383683
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.0	15.0
85	65.2	31.8	95.4

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Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 76.561 ug/l

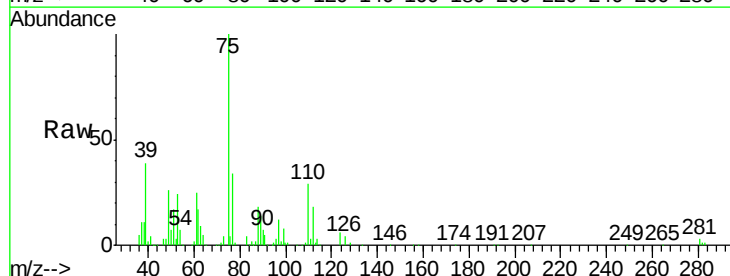
RT: 13.54 min Scan# 1271

Delta R.T. 0.00 min

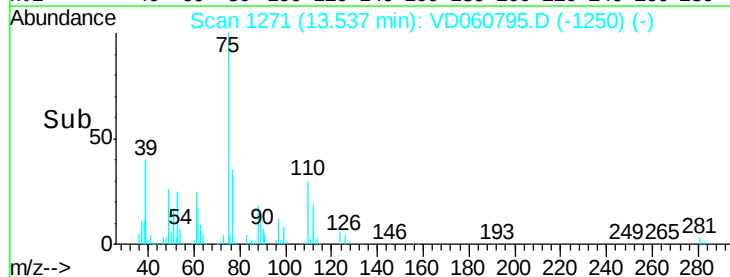
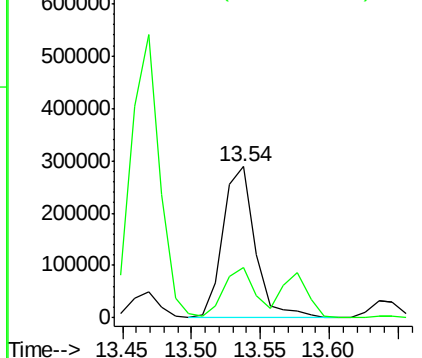
Lab File: VD060795.D

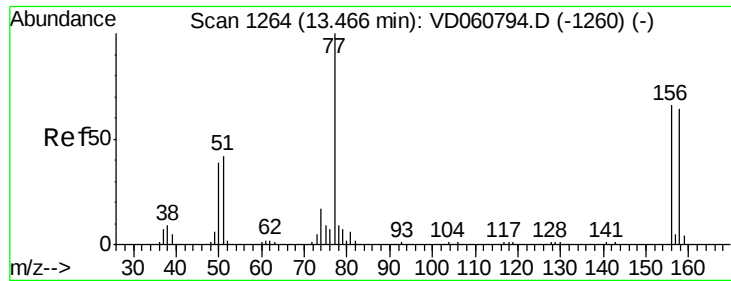
Acq: 28 Jan 2019 17:07

Tgt Ion:	75	Resp:	467279
Ion Ratio	Lower	Upper	
75	100		
77	33.8	15.9	47.7



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 72.463 ug/l

RT: 13.47 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:156 Resp: 494306

Ion Ratio Lower Upper

156 100

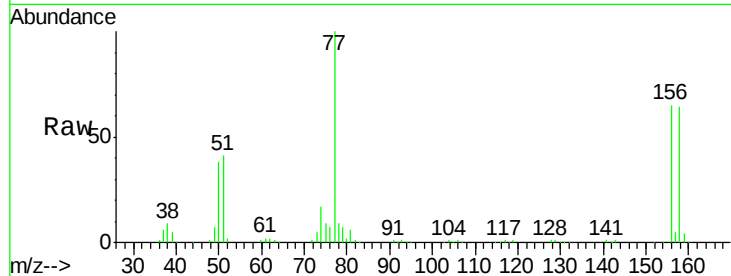
77 153.0 76.0 228.0

158 98.2 48.4 145.0

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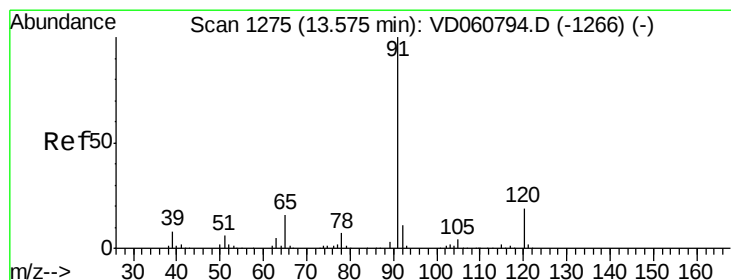
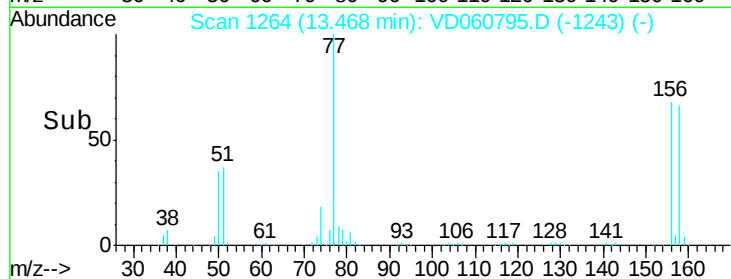
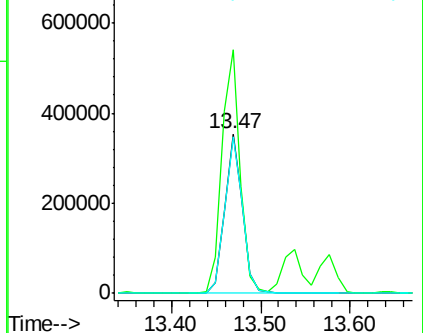
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 76.714 ug/l

RT: 13.58 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VD060795.D

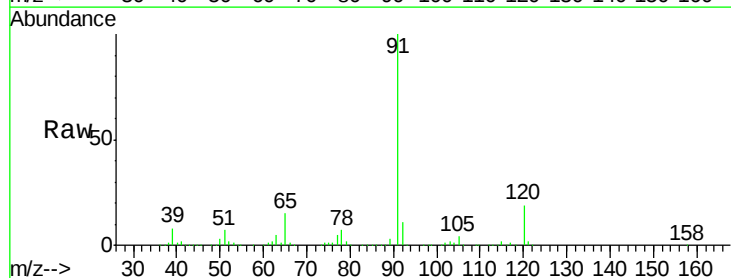
Acq: 28 Jan 2019 17:07

Tgt Ion: 91 Resp: 2555591

Ion Ratio Lower Upper

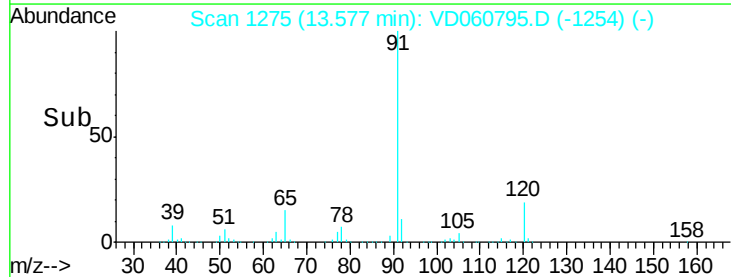
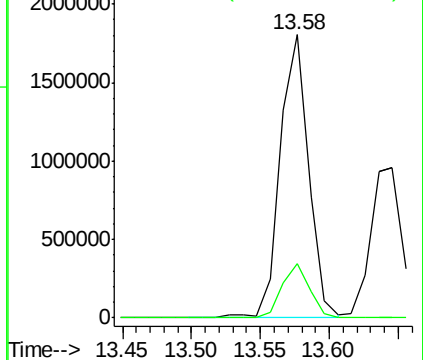
91 100

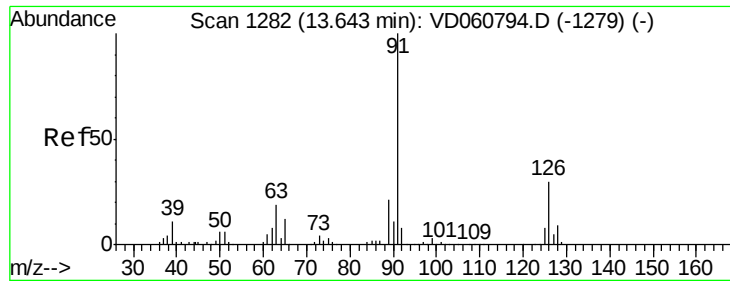
120 19.0 9.7 28.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 74.055 ug/l

RT: 13.65 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 91 Resp: 1504724

Ion Ratio Lower Upper

91 100

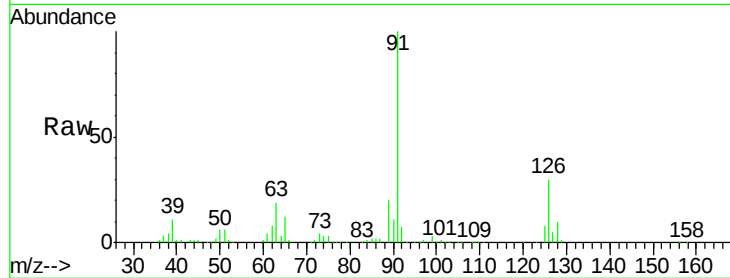
126 29.5 14.7 44.1

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Abundance Ion 91.00 (90.70 to 91.70): VD060795.D (-1279) (-)

Ion 125.95 (125.65 to 126.65): VD060795.D (-1279) (-)

2000000

1500000

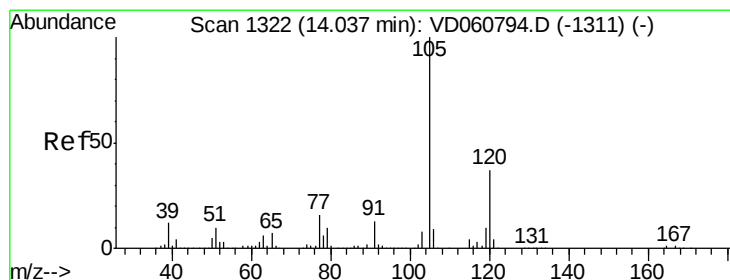
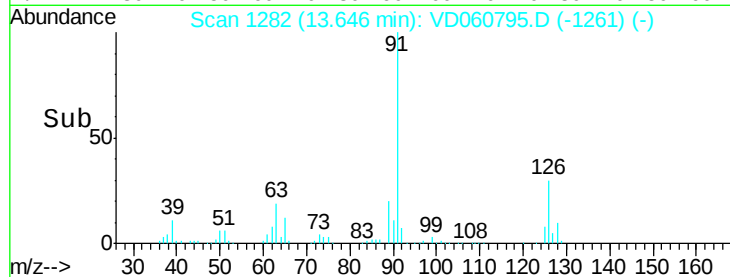
1000000

500000

0

13.60 13.65 13.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 75.712 ug/l

RT: 14.04 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VD060795.D

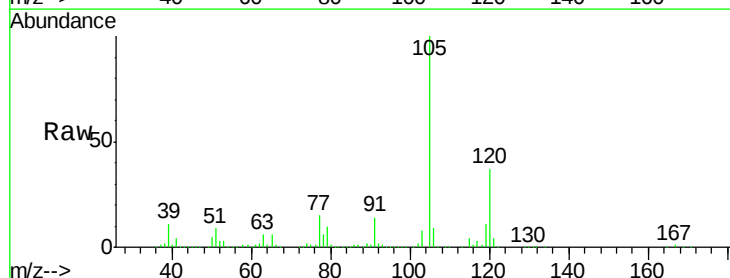
Acq: 28 Jan 2019 17:07

Tgt Ion:105 Resp: 1729651

Ion Ratio Lower Upper

105 100

120 37.3 18.4 55.2



Abundance Ion 105.05 (104.75 to 105.75): VD060795.D (-1301) (-)

Ion 120.05 (119.75 to 120.75): VD060795.D (-1301) (-)

1500000

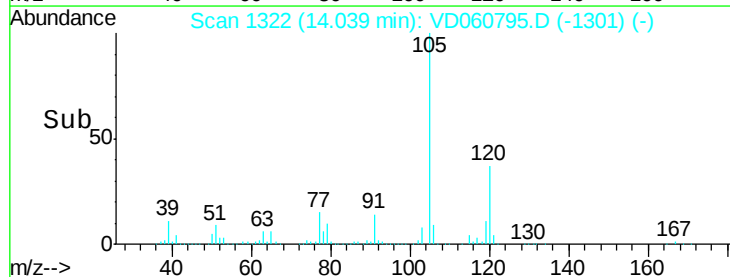
1000000

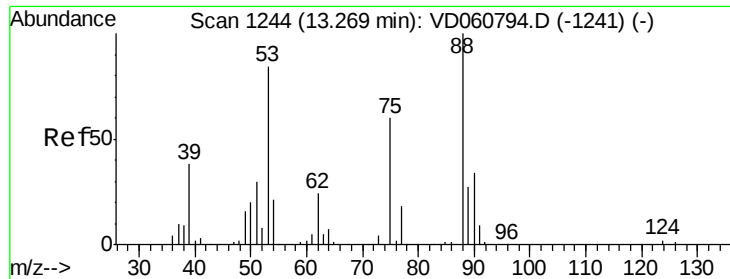
500000

0

13.90 14.00 14.10

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 83.494 ug/l

RT: 13.27 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Instrument :

MSVOA_D

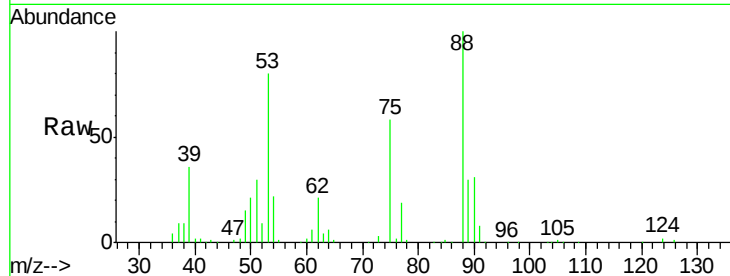
ClientSampleId :

VSTDIC075

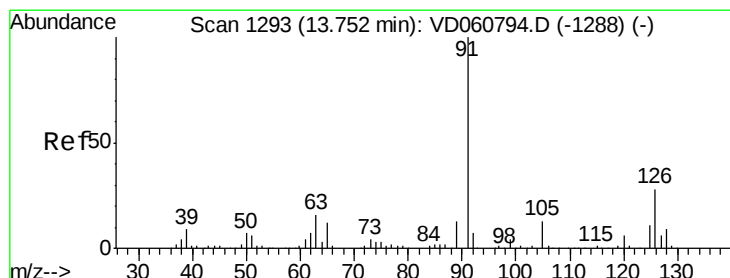
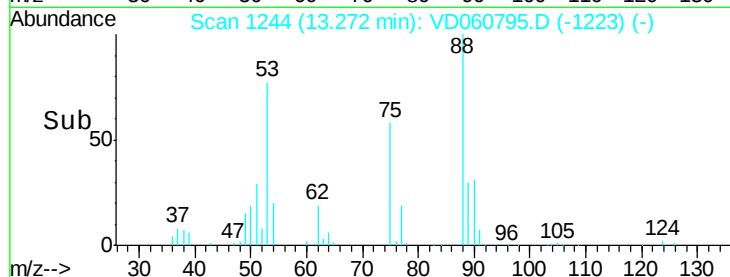
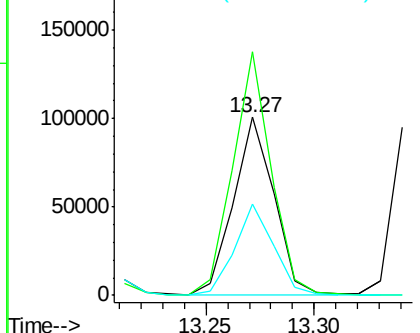
Tot Ion:	75	Resp:	132856
Ion Ratio	Lower	Upper	
75	100		
53	137.0	111.6	167.4
89	51.5	35.9	53.9

Manual Integrations
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Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 73.133 ug/l

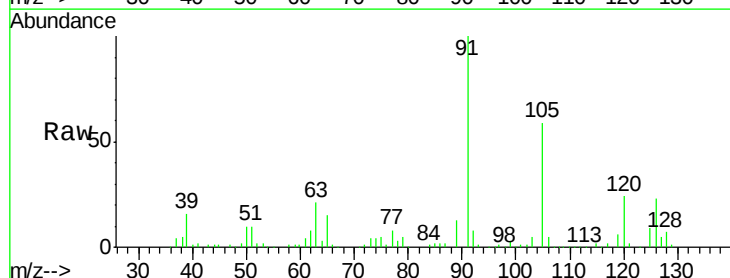
RT: 13.74 min Scan# 1292

Delta R.T. -0.01 min

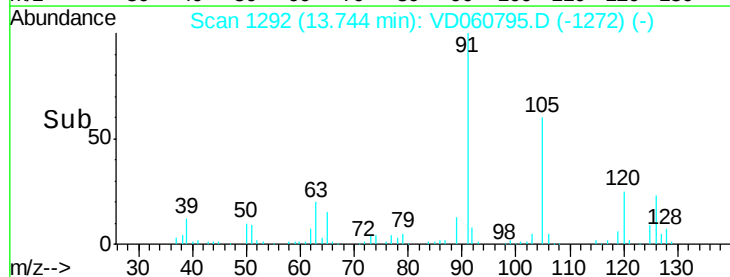
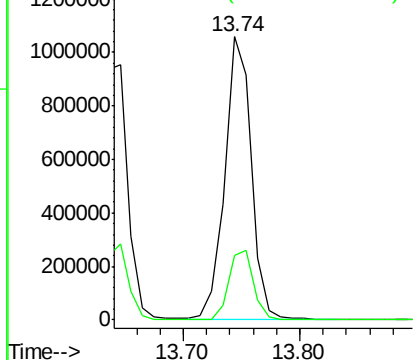
Lab File: VD060795.D

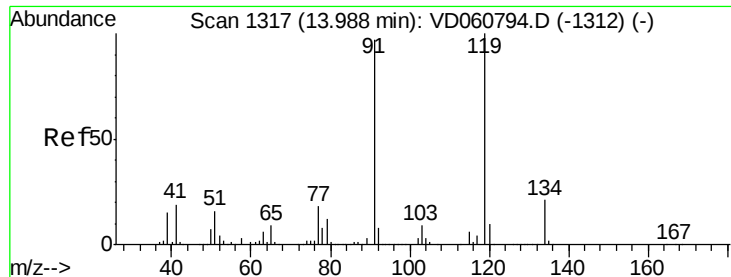
Acq: 28 Jan 2019 17:07

Tgt Ion:	91	Resp:	1651547
Ion Ratio	Lower	Upper	
91	100		
126	22.7	13.9	41.7



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 74.044 ug/l

RT: 13.99 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:119 Resp: 1769752

Ion Ratio Lower Upper

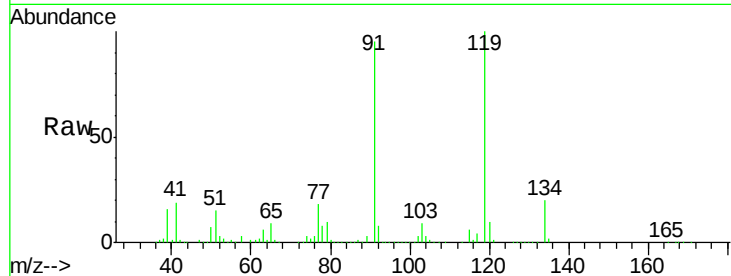
119 100

91 94.9 48.5 145.5

134 20.3 10.3 30.8

Manual Integrations
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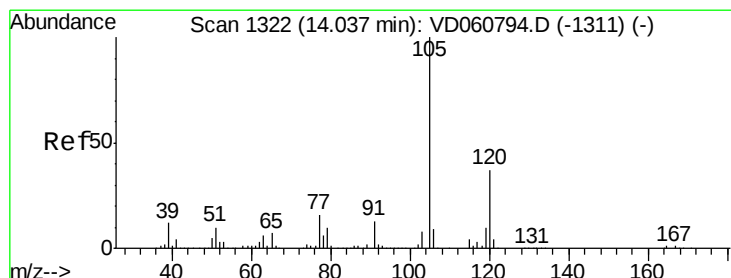
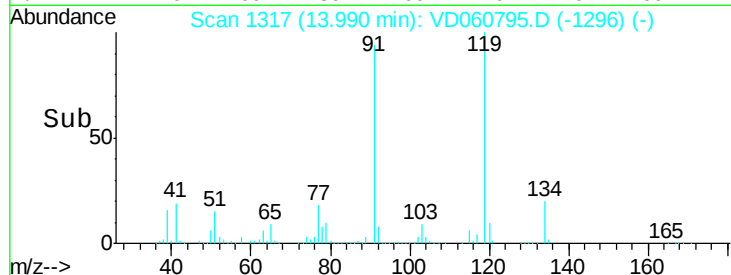
Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V

13.99

Time-->



#84

1,2,4-Trimethylbenzene

Concen: 75.712 ug/l

RT: 14.04 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VD060795.D

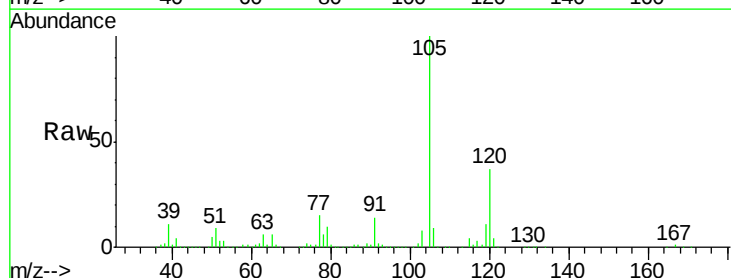
Acq: 28 Jan 2019 17:07

Tgt Ion:105 Resp: 1729651

Ion Ratio Lower Upper

105 100

120 37.3 18.4 55.2

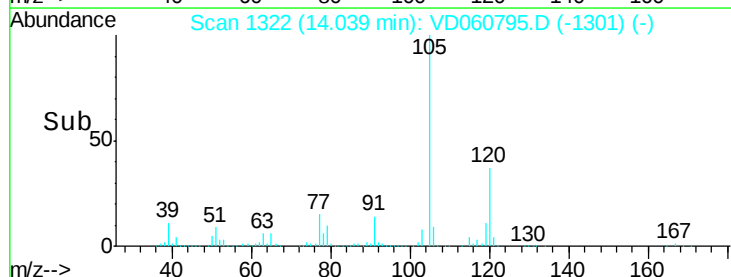


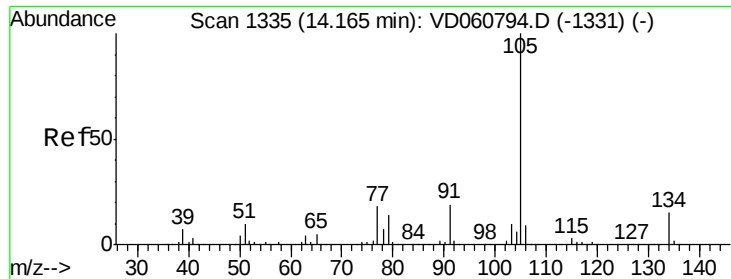
Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

14.04

Time-->





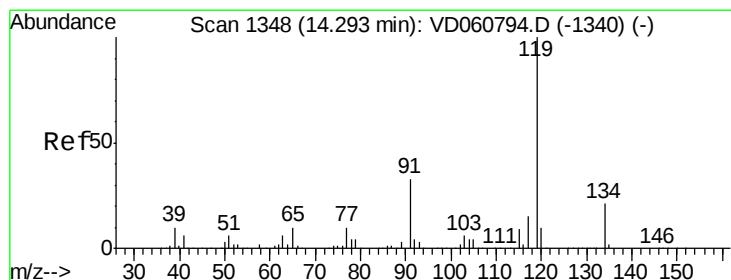
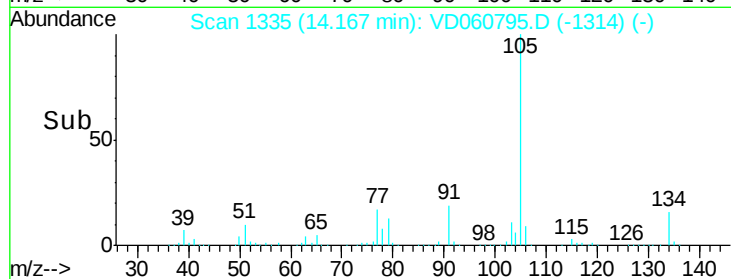
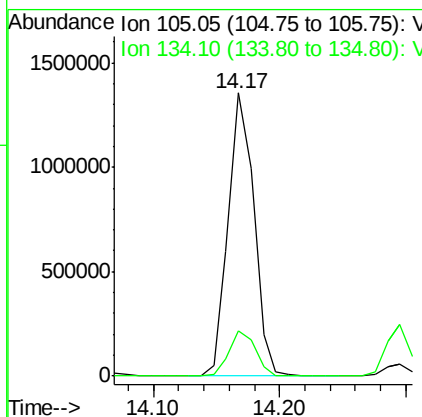
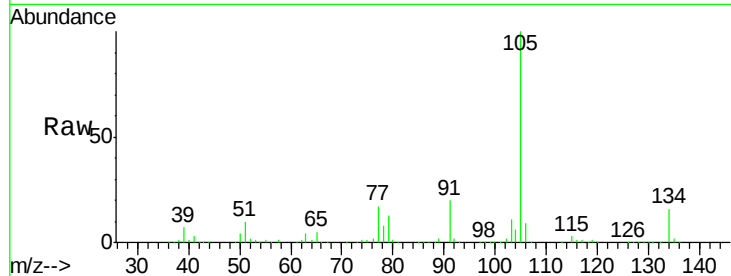
#85
 sec-Butylbenzene
 Concen: 70.047 ug/l
 RT: 14.17 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: VD060795.D
 Acq: 28 Jan 2019 17:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:105 Resp: 1905792
 Ion Ratio Lower Upper
 105 100
 134 15.8 7.4 22.2

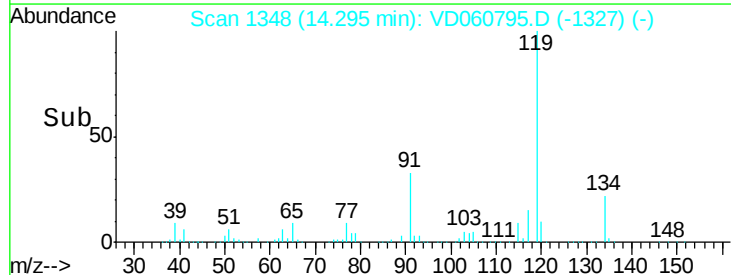
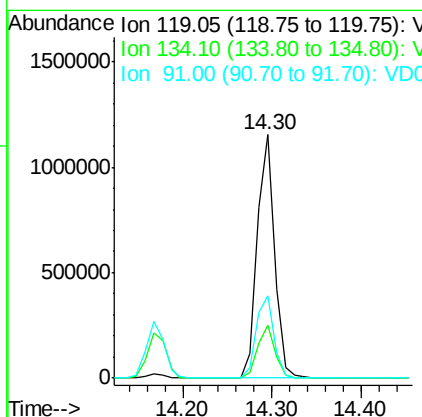
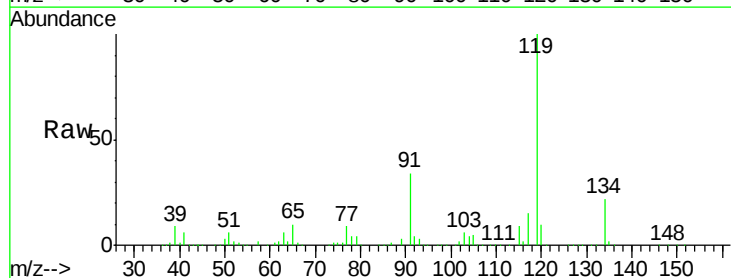
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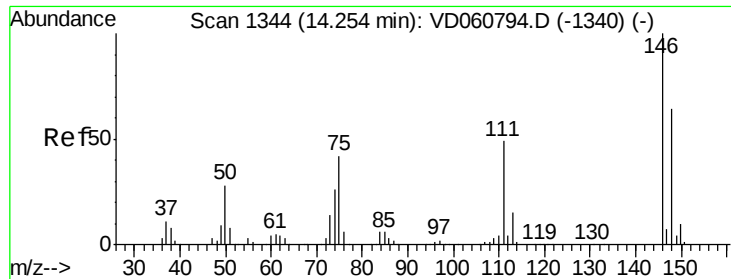
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#86
 p-Isopropyltoluene
 Concen: 69.395 ug/l
 RT: 14.30 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VD060795.D
 Acq: 28 Jan 2019 17:07

Tgt Ion:119 Resp: 1532904
 Ion Ratio Lower Upper
 119 100
 134 21.7 10.8 32.3
 91 33.6 16.7 50.0





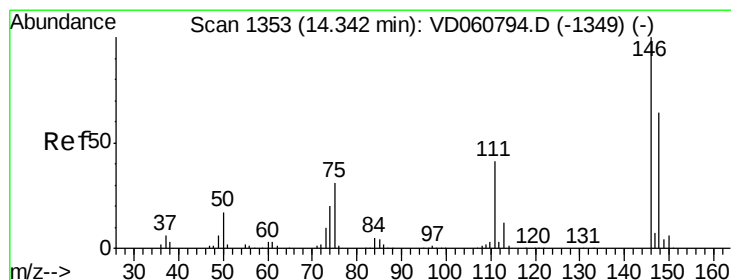
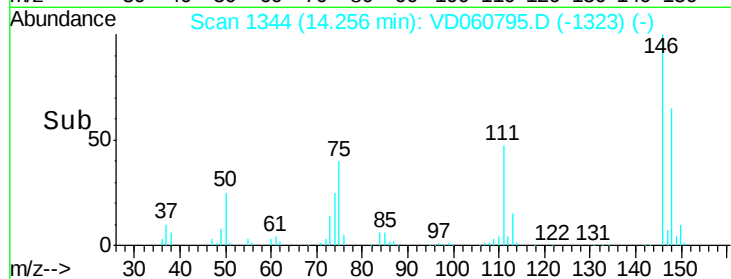
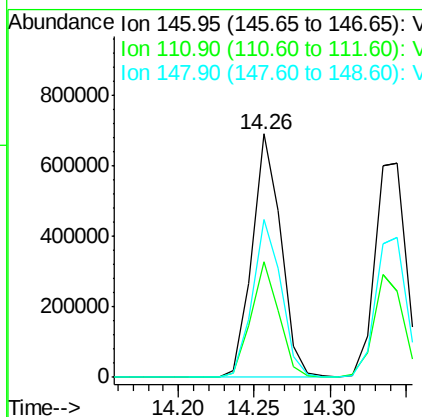
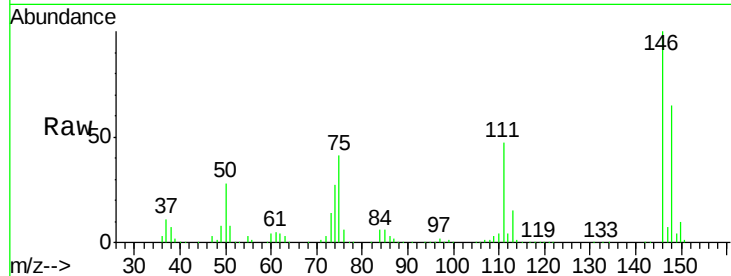
#87
 1,3-Dichlorobenzene
 Concen: 75.190 ug/l
 RT: 14.26 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: VD060795.D
 Acq: 28 Jan 2019 17:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.4	24.3	73.0
148	64.7	32.1	96.5

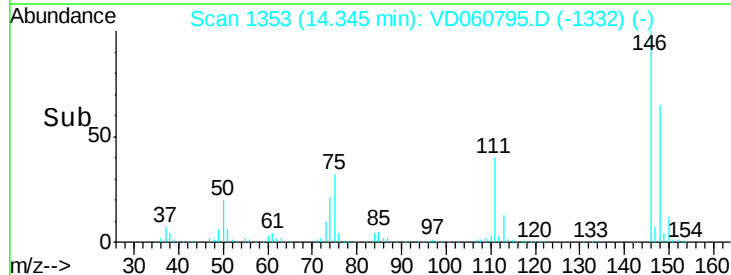
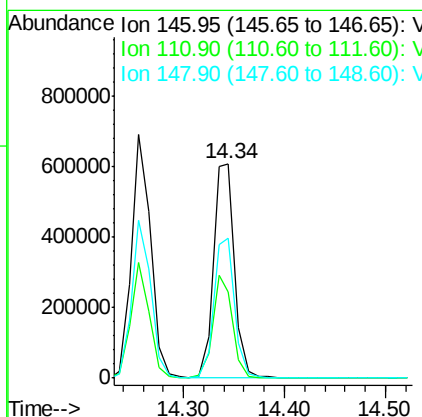
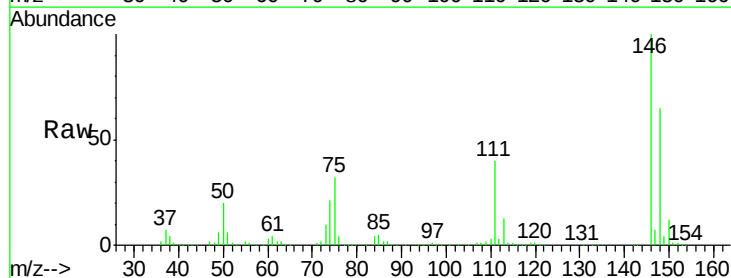
Manual Integrations
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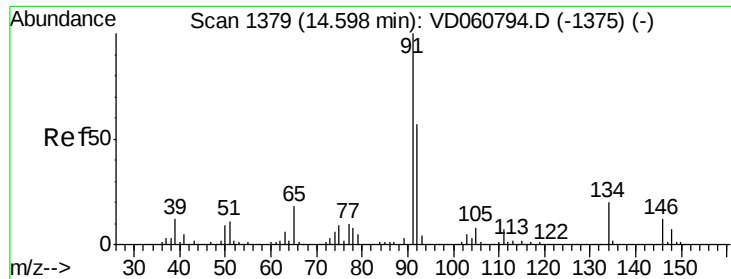
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 1/29/2019 4:55:46 PM



#88
 1,4-Dichlorobenzene
 Concen: 75.032 ug/l
 RT: 14.34 min Scan# 1353
 Delta R.T. 0.00 min
 Lab File: VD060795.D
 Acq: 28 Jan 2019 17:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.6	61.8
148	65.3	31.9	95.7





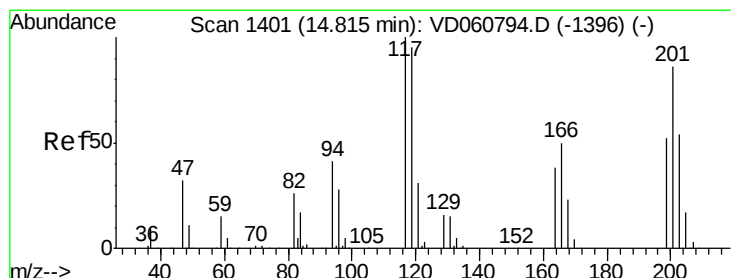
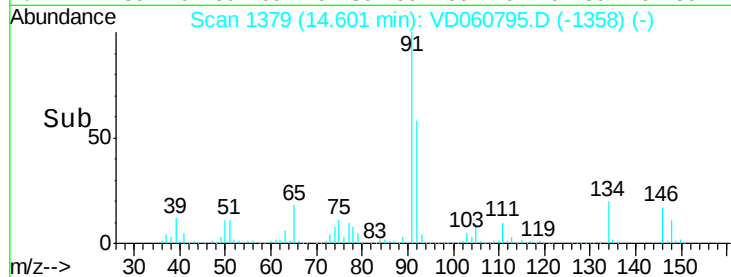
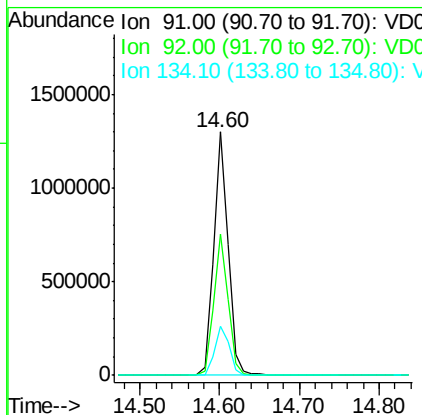
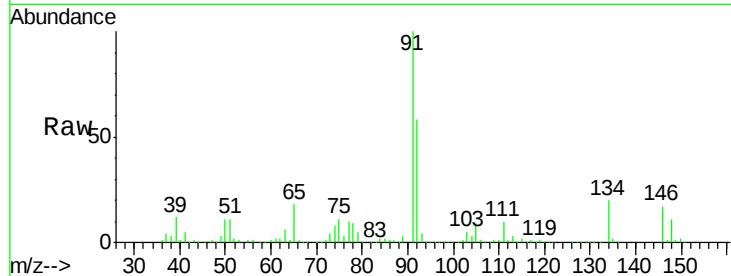
#89
n-Butylbenzene
Concen: 71.332 ug/l
RT: 14.60 min Scan# 1379
Delta R.T. 0.00 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 91 Resp: 1643993
Ion Ratio Lower Upper
91 100
92 58.2 28.5 85.5
134 20.2 10.0 29.8

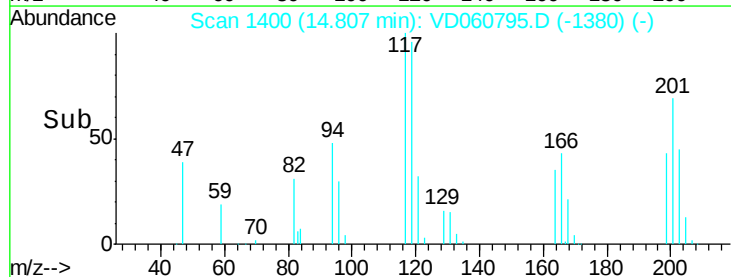
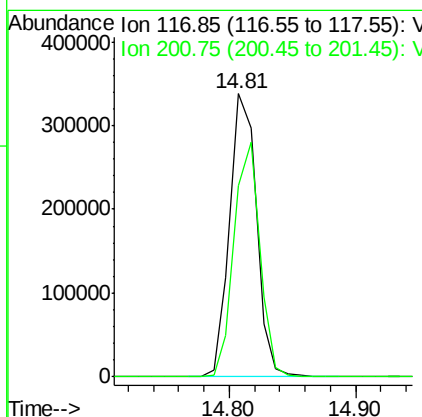
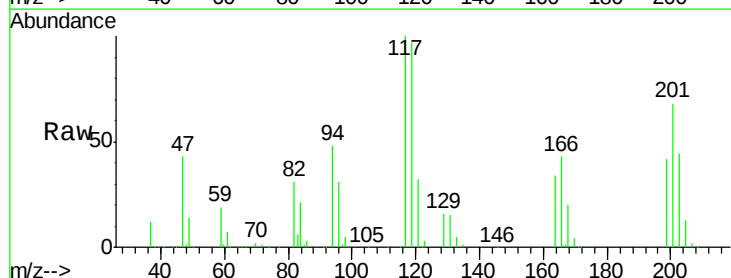
Manual Integrations
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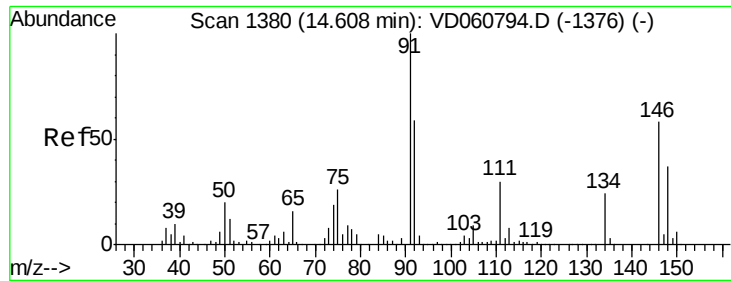
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#90
Hexachloroethane
Concen: 75.652 ug/l
RT: 14.81 min Scan# 1400
Delta R.T. -0.01 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

Tgt Ion: 117 Resp: 497288
Ion Ratio Lower Upper
117 100
201 67.7 43.0 128.8





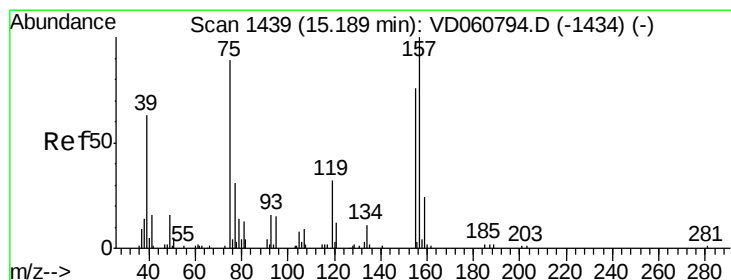
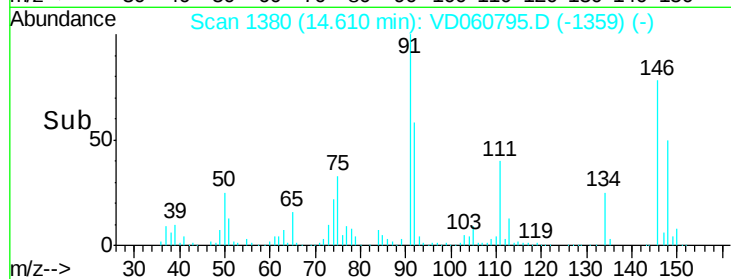
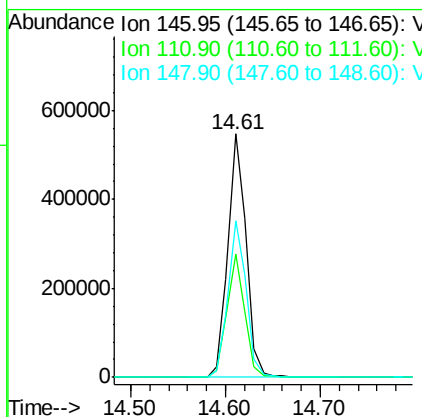
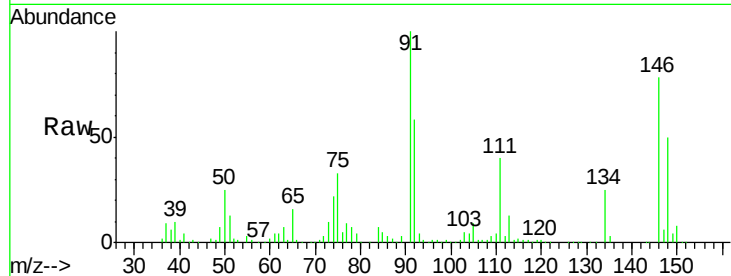
#91
 1,2-Dichlorobenzene
 Concen: 71.849 ug/l
 RT: 14.61 min Scan# 1380
 Delta R.T. 0.00 min
 Lab File: VD060795.D
 Acq: 28 Jan 2019 17:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.7	25.6	76.8
148	64.1	31.4	94.3

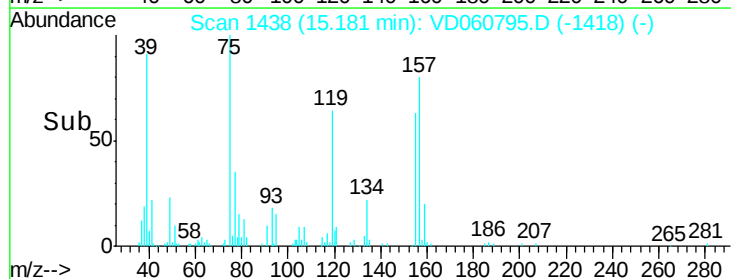
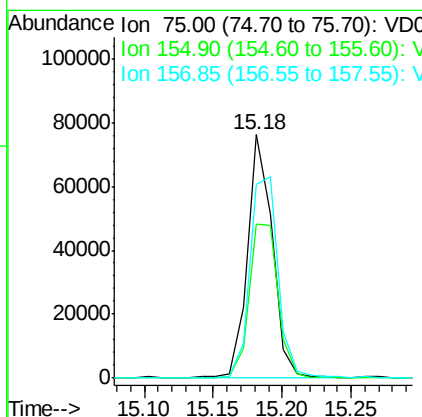
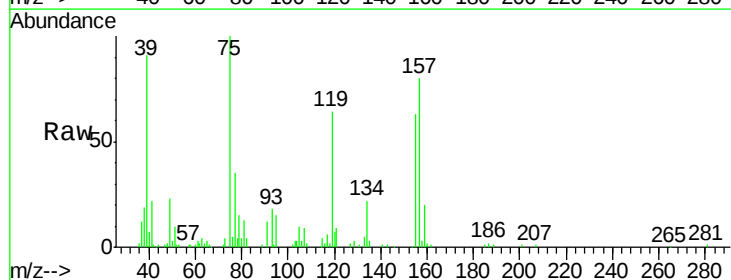
Manual Integrations
 APPROVED

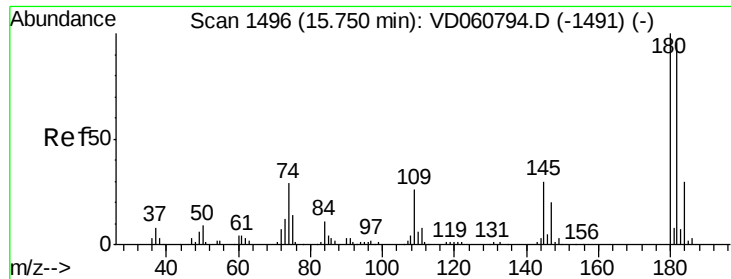
MMDadoda
 1/29/2019 4:55:46 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 84.019 ug/l
 RT: 15.18 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: VD060795.D
 Acq: 28 Jan 2019 17:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	63.1	43.0	129.0
157	79.7	56.3	168.9





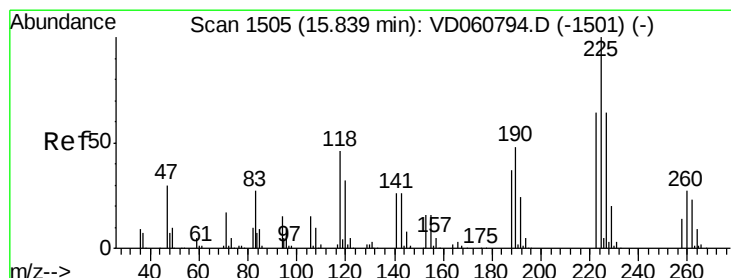
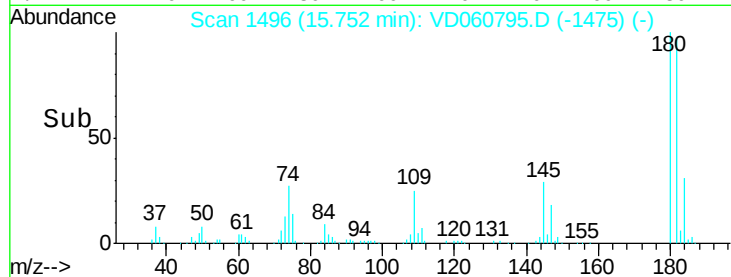
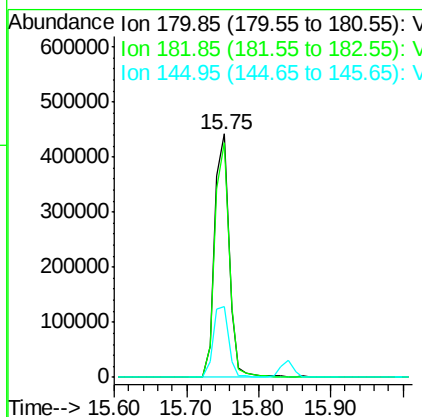
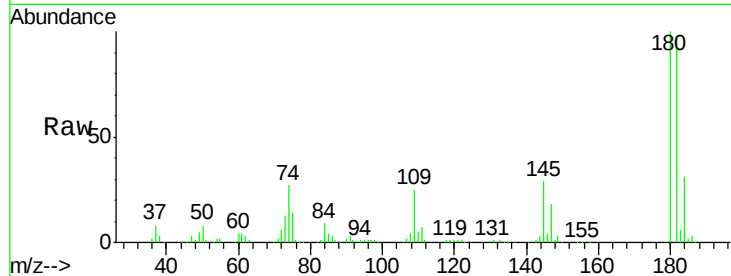
#93
 1,2,4-Trichlorobenzene
 Concen: 69.823 ug/l
 RT: 15.75 min Scan# 1496
 Delta R.T. 0.00 min
 Lab File: VD060795.D
 Acq: 28 Jan 2019 17:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.9	143.7
145	28.9	15.0	45.1

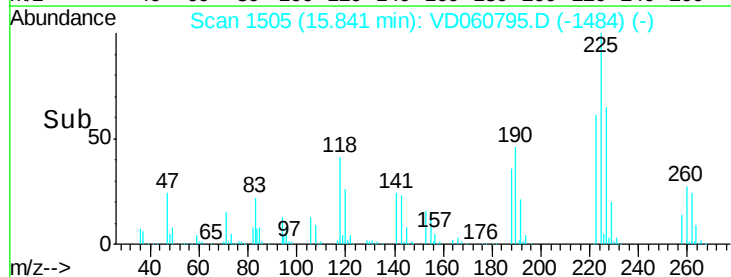
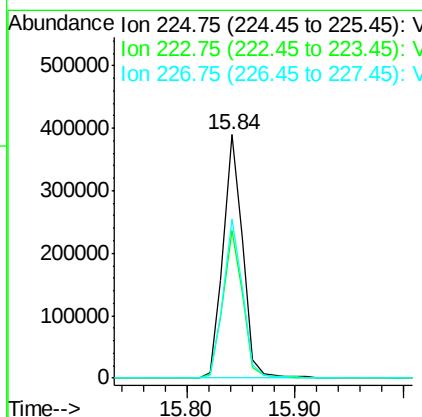
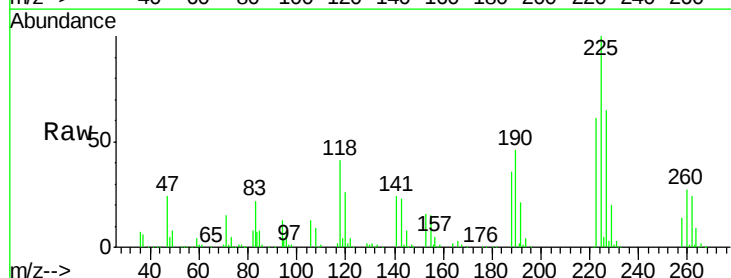
Manual Integrations
 APPROVED

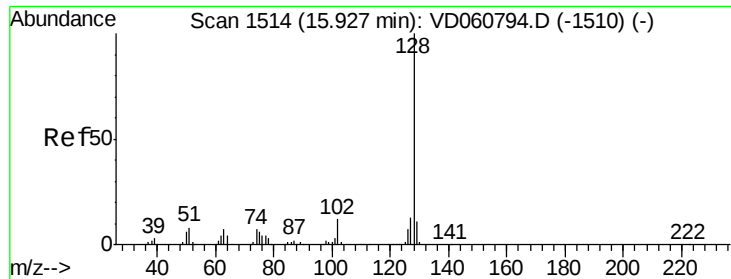
MMDadoda
 1/29/2019 4:55:46 PM



#94
 Hexachlorobutadiene
 Concen: 74.818 ug/l
 RT: 15.84 min Scan# 1505
 Delta R.T. 0.00 min
 Lab File: VD060795.D
 Acq: 28 Jan 2019 17:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.6	31.8	95.4
227	65.2	31.9	95.5





#95

Naphthalene

Concen: 84.648 ug/l

RT: 15.93 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:128 Resp: 1140492

Ion Ratio Lower Upper

128 100

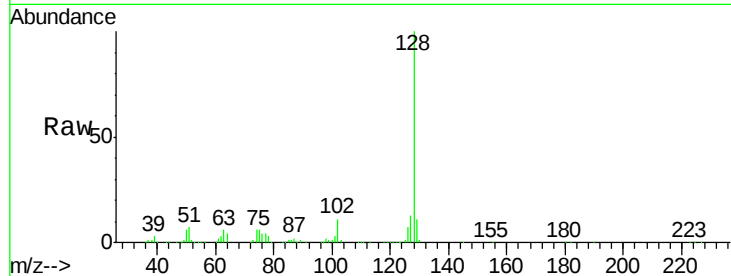
127 13.0 10.4 15.6

129 10.8 8.7 13.1

Manual Integrations
APPROVED

MMDadoda

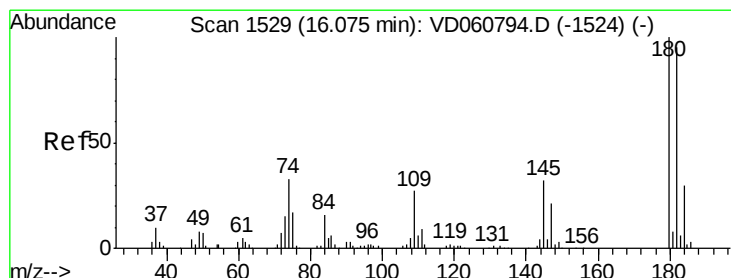
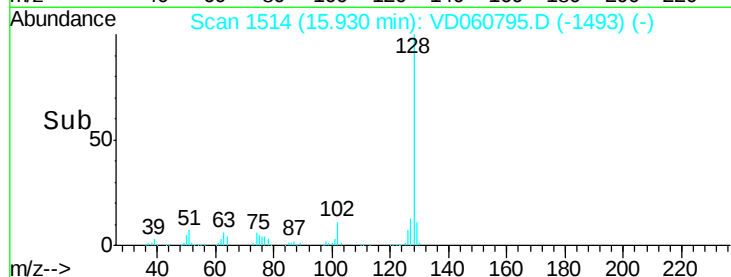
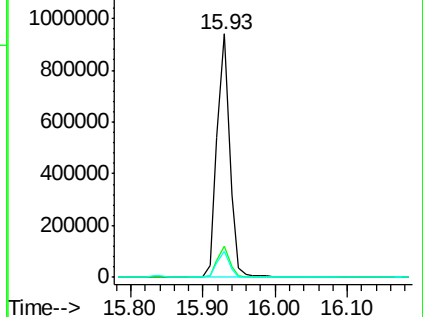
1/29/2019 4:55:46 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 76.130 ug/l

RT: 16.08 min Scan# 1529

Delta R.T. 0.00 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

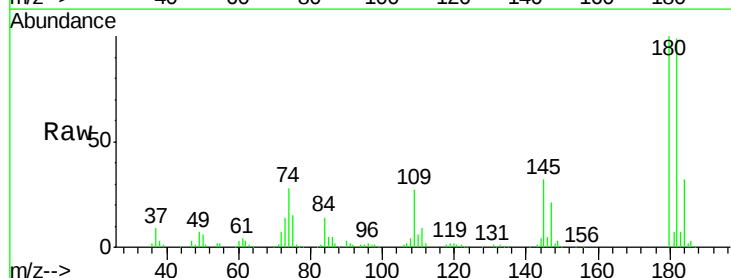
Tgt Ion:180 Resp: 580508

Ion Ratio Lower Upper

180 100

182 98.8 47.4 142.3

145 32.3 15.8 47.4



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

