

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060719\
 Data File : VD062639.D
 Acq On : 7 Jun 2019 12:42
 Operator : FY/SY
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

MMDadoda
 6/11/2019 2:17:22 AM

Quant Time: Jun 07 23:43:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 07 23:24:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	748793	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	978380	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	758084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	463098	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	752362	69.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	138.10%	
35) Dibromofluoromethane	6.91	113	767991	74.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	148.82%	
50) Toluene-d8	10.40	98	1615802	73.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	147.06%	
62) 4-Bromofluorobenzene	13.55	95	735825	70.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	141.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	513275	53.257	ug/l	99
3) Chloromethane	1.73	50	417326	55.290	ug/l	99
4) Vinyl Chloride	1.84	62	461203	60.478	ug/l	97
5) Bromomethane	2.13	94	243179	63.570	ug/l	96
6) Chloroethane	2.25	64	256869	65.190	ug/l #	89
7) Trichlorofluoromethane	2.52	101	1126550	64.999	ug/l	100
8) Diethyl Ether	2.86	74	143861	60.866	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.13	101	597378	62.153	ug/l	98
10) Methyl Iodide	3.29	142	844187	68.895	ug/l	96
11) Tert butyl alcohol	4.07	59	135114	285.730	ug/l #	87
12) 1,1-Dichloroethene	3.11	96	419861	62.692	ug/l	98
13) Acrolein	3.02	56	48566	371.616	ug/l	98
14) Allyl chloride	3.60	41	689358	66.951	ug/l	96
15) Acrylonitrile	4.18	53	340909	332.994	ug/l	100
16) Acetone	3.21	43	707392	349.416	ug/l	94
17) Carbon Disulfide	3.35	76	1328694	66.396	ug/l	99
18) Methyl Acetate	3.63	43	203213	61.681	ug/l #	93
19) Methyl tert-butyl Ether	4.22	73	1114890	67.506	ug/l	98
20) Methylene Chloride	3.80	84	467387	61.906	ug/l	96
21) trans-1,2-Dichloroethene	4.19	96	490809	65.427	ug/l	94
22) Diisopropyl ether	5.11	45	1498497	71.105	ug/l	93
23) Vinyl Acetate	5.04	43	4719899	354.939	ug/l	98
24) 1,1-Dichloroethane	4.96	63	928722	66.740	ug/l	100
25) 2-Butanone	6.06	43	667876	338.461	ug/l	98
26) 2,2-Dichloropropane	6.00	77	1027047	63.797	ug/l	99
27) cis-1,2-Dichloroethene	6.01	96	536465	67.201	ug/l	98
28) Bromochloromethane	6.43	49	381812	76.626	ug/l	91
29) Tetrahydrofuran	6.45	42	297448	334.973	ug/l	98
30) Chloroform	6.65	83	1202186	67.114	ug/l	90
31) Cyclohexane	6.94	56	625141	73.298	ug/l	97
32) 1,1,1-Trichloroethane	6.85	97	1207918	66.679	ug/l	99
36) 1,1-Dichloropropene	7.13	75	739562	63.469	ug/l	98
37) Ethyl Acetate	6.17	43	307062	60.447	ug/l	95
38) Carbon Tetrachloride	7.10	117	1196314m	65.044	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	662710	71.468	ug/l	93
40) Benzene	7.44	78	1457648	65.670	ug/l	100
41) Methacrylonitrile	6.44	41	405516	66.607	ug/l #	96
42) 1,2-Dichloroethane	7.57	62	935105	70.246	ug/l	95
43) Isopropyl Acetate	9.23	43	447291	74.987	ug/l	98
44) Trichloroethene	8.53	130	630573	68.821	ug/l	95
45) 1,2-Dichloropropane	8.93	63	370224	68.753	ug/l	97
46) Dibromomethane	9.05	93	338503	70.192	ug/l	91
47) Bromodichloromethane	9.37	83	921194	70.357	ug/l	97
48) Methyl methacrylate	9.11	41	290195	65.351	ug/l	98
49) 1,4-Dioxane	9.07	88	46250	1318.470	ug/l	90
51) 4-Methyl-2-Pentanone	10.29	43	1481364	349.752	ug/l	99
52) Toluene	10.50	92	1035520	68.178	ug/l	96
53) t-1,3-Dichloropropene	10.91	75	748747	69.474	ug/l	96
54) cis-1,3-Dichloropropene	10.03	75	778801	69.837	ug/l	97
55) 1,1,2-Trichloroethane	11.18	97	358388	70.617	ug/l	97
56) Ethyl methacrylate	11.03	69	380969	68.675	ug/l	94
57) 1,3-Dichloropropane	11.40	76	560510	70.225	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.85	63	882538	316.547	ug/l	97
59) 2-Hexanone	11.53	43	1122542	352.103	ug/l	99
60) Dibromochloromethane	11.68	129	715013	70.931	ug/l	100
61) 1,2-Dibromoethane	11.80	107	428449	69.612	ug/l	94
64) Tetrachloroethene	11.25	164	551653	76.647	ug/l	95
65) Chlorobenzene	12.39	112	1234401	72.686	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	602300	74.013	ug/l	99
67) Ethyl Benzene	12.52	91	2223689	73.650	ug/l	98
68) m/p-Xylenes	12.67	106	1626743	153.560	ug/l	96
69) o-Xylene	13.05	106	711085	71.513	ug/l	91
70) Styrene	13.07	104	1254141	70.735	ug/l	96
71) Bromoform	13.23	173	420952	74.421	ug/l #	91
73) Isopropylbenzene	13.41	105	2315999	68.683	ug/l	94
74) N-amyl acetate	13.26	43	636454	70.100	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	393334	68.944	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	421661	65.997	ug/l	98
77) Bromobenzene	13.67	156	655623	69.104	ug/l	99
78) n-propylbenzene	13.77	91	2607690	63.883	ug/l	99
79) 2-Chlorotoluene	13.84	91	1621935	68.107	ug/l	95
80) 1,3,5-Trimethylbenzene	13.93	105	2017426	68.549	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.47	75	119184	72.418	ug/l	91
82) 4-Chlorotoluene	13.95	91	1919821	67.005	ug/l	97
83) tert-Butylbenzene	14.18	119	2172736	66.171	ug/l	91
84) 1,2,4-Trimethylbenzene	14.23	105	1953538	66.073	ug/l	100
85) sec-Butylbenzene	14.36	105	2143991	62.789	ug/l	96
86) p-Isopropyltoluene	14.49	119	2206329	66.602	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	1099691	62.664	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	1161020	70.436	ug/l	99
89) n-Butylbenzene	14.79	91	2037337	67.499	ug/l	98
90) Hexachloroethane	15.00	117	551487	63.201	ug/l	73
91) 1,2-Dichlorobenzene	14.80	146	969750	67.237	ug/l	91
92) 1,2-Dibromo-3-Chloropropan	15.37	75	83315	66.130	ug/l	82

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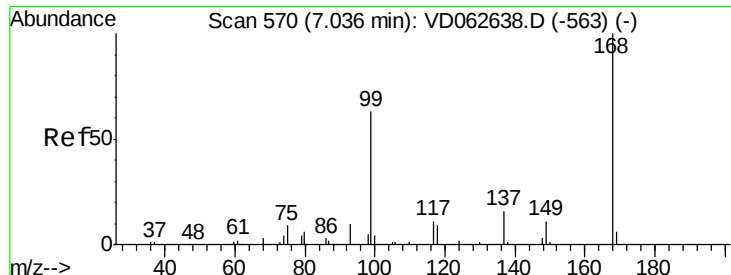
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	727726	66.508	ug/l	99
94) Hexachlorobutadiene	16.03	225	586915	67.930	ug/l	98
95) Naphthalene	16.12	128	1079652	71.023	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	583816	70.424	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.01 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:168 Resp: 748793

Ion Ratio Lower Upper

168 100

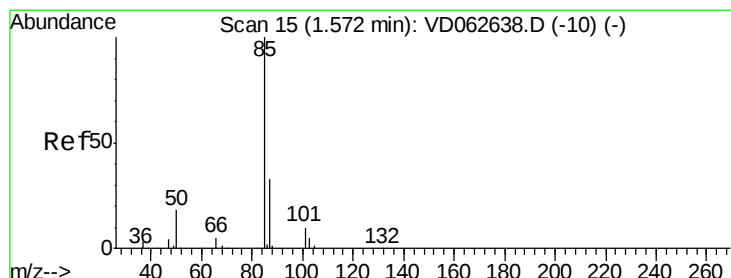
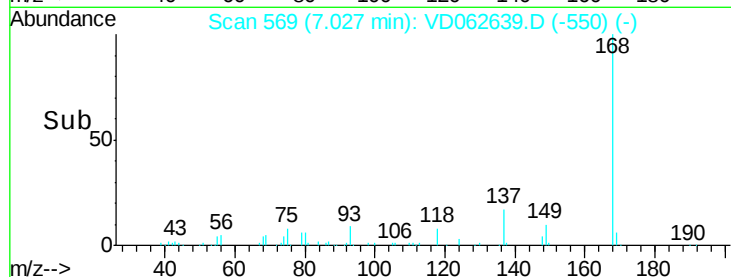
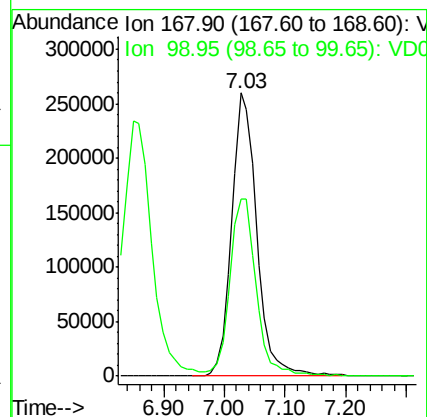
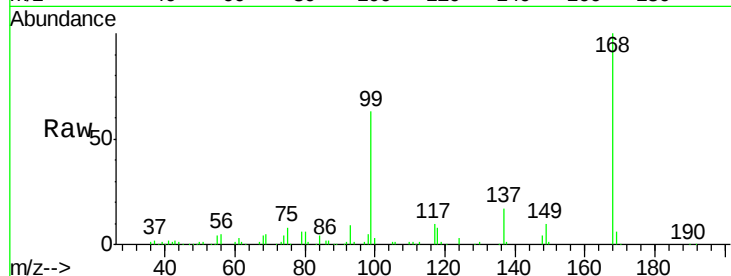
99 62.8 51.4 77.2

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6/11/2019 2:17:22 AM



#2

Dichlorodifluoromethane

Concen: 53.257 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD062639.D

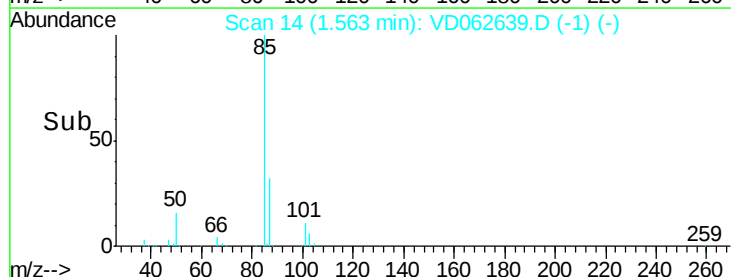
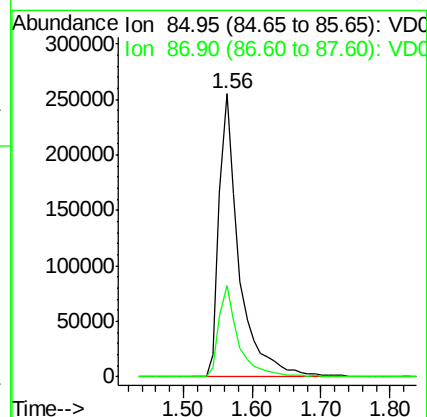
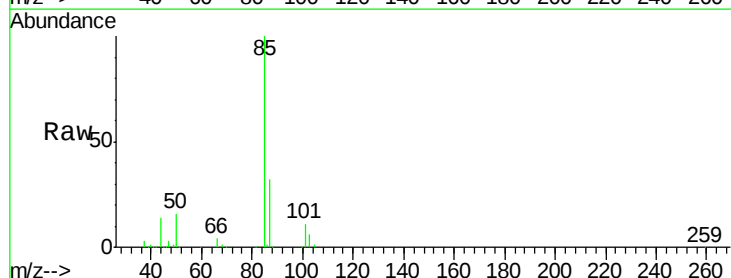
Acq: 7 Jun 2019 12:42

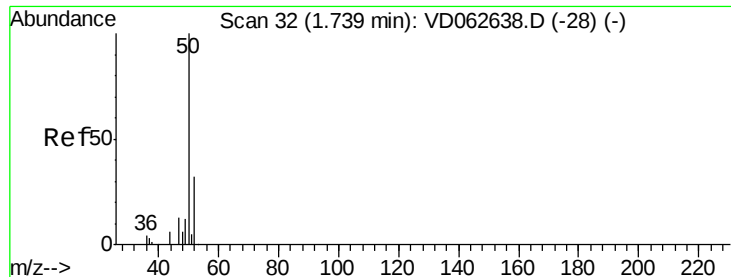
Tgt Ion: 85 Resp: 513275

Ion Ratio Lower Upper

85 100

87 32.4 16.6 49.7





#3

Chloromethane

Concen: 55.290 ug/l

RT: 1.73 min Scan# 31

Delta R.T. -0.01 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 50 Resp: 417326

Ion Ratio Lower Upper

50 100

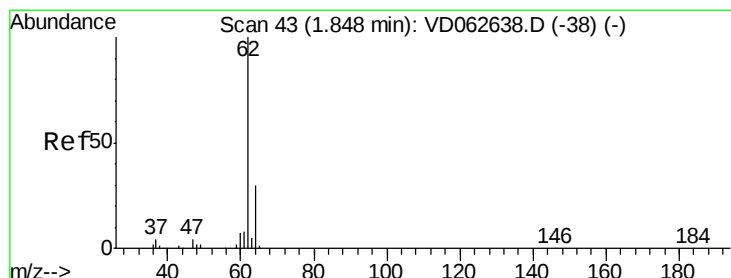
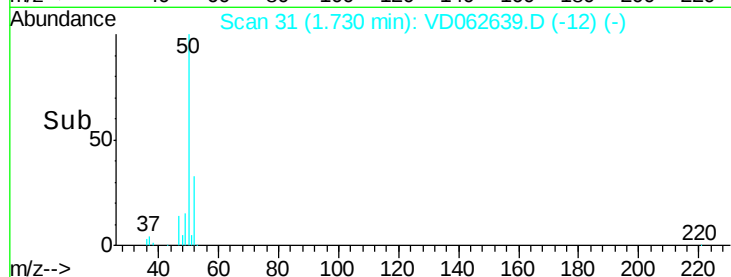
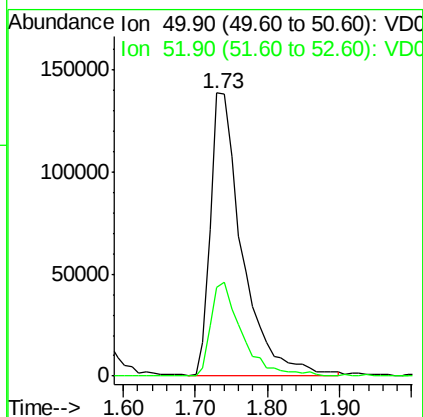
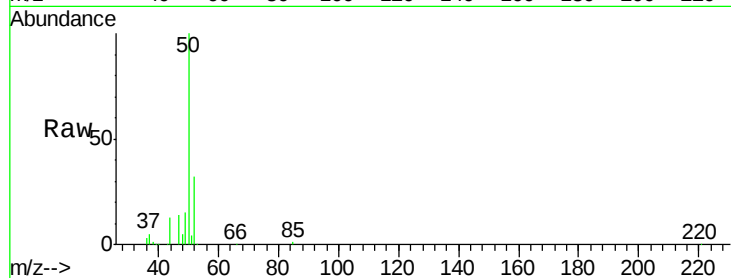
52 31.6 25.8 38.8

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6/11/2019 2:17:22 AM



#4

Vinyl Chloride

Concen: 60.478 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.01 min

Lab File: VD062639.D

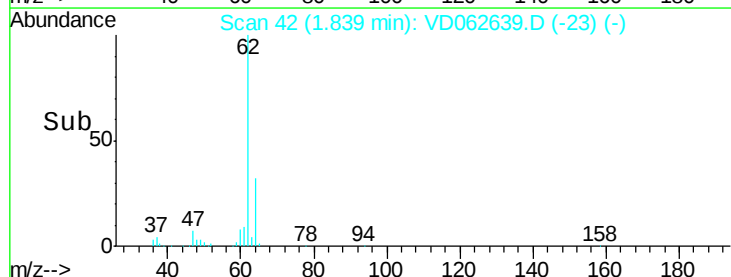
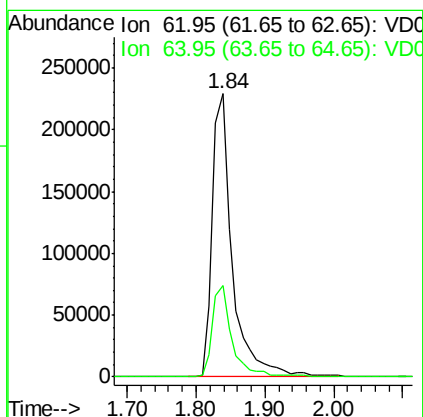
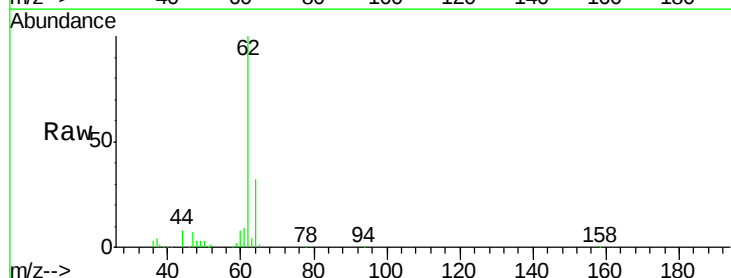
Acq: 7 Jun 2019 12:42

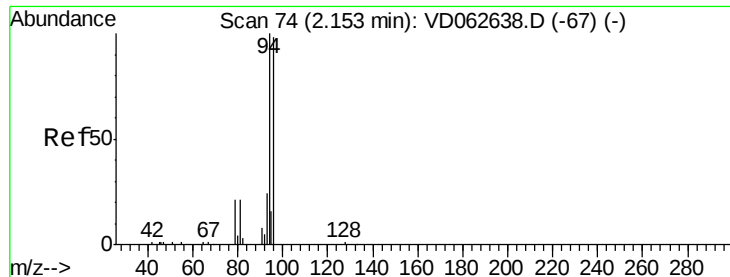
Tgt Ion: 62 Resp: 461203

Ion Ratio Lower Upper

62 100

64 32.2 24.2 36.4





#5

Bromomethane

Concen: 63.570 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.02 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Instrument :

MSVOA_D

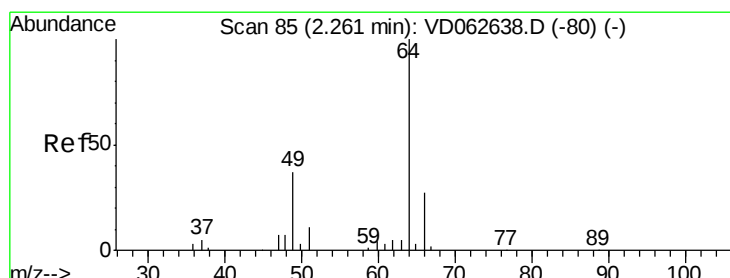
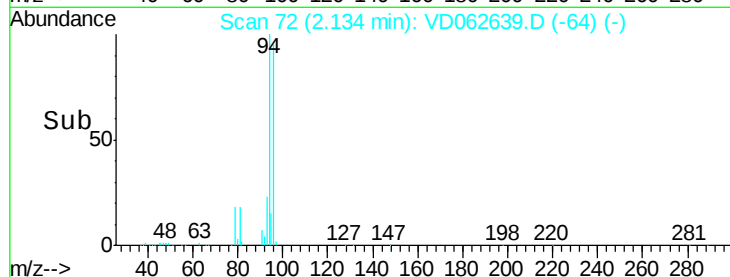
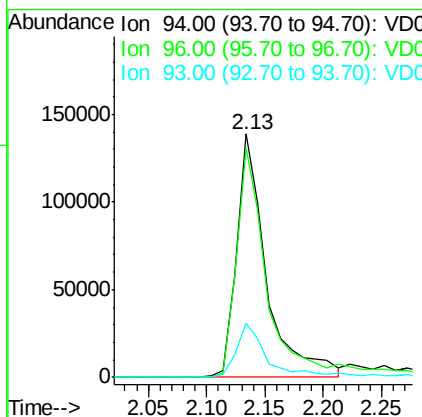
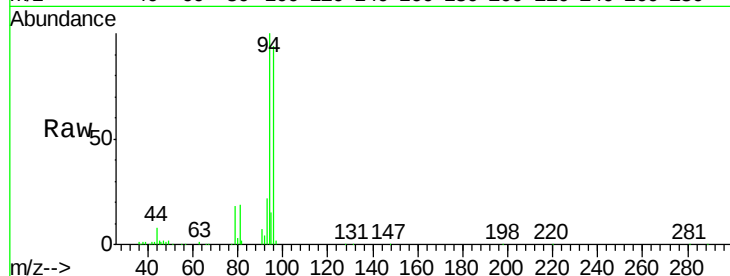
ClientSampleId :

VSTDIC075

Tot Ion:	94	Resp:	243179
Ion	Ratio	Lower	Upper
94	100		
96	94.2	78.1	117.1
93	22.5	19.6	29.4

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#6

Chloroethane

Concen: 65.190 ug/l

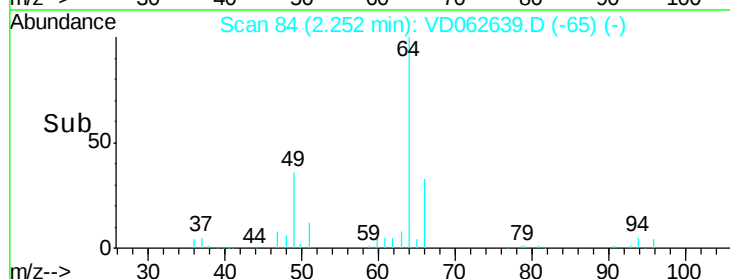
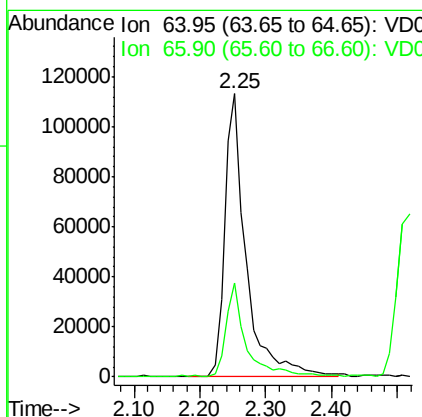
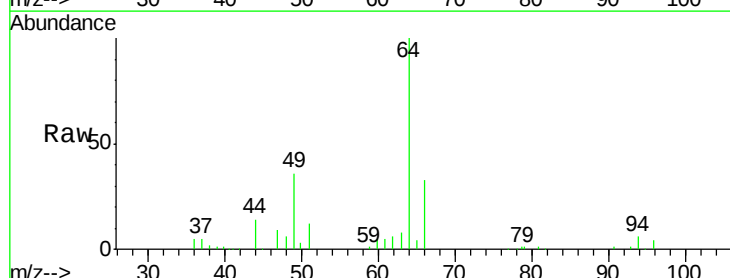
RT: 2.25 min Scan# 84

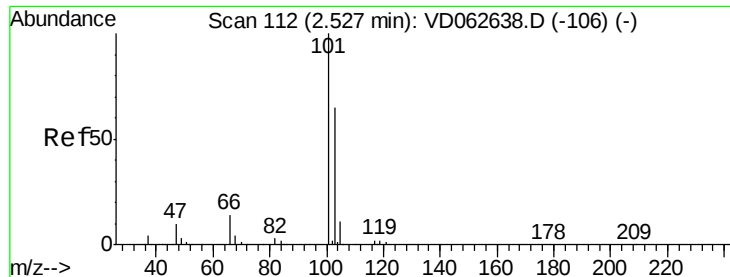
Delta R.T. -0.01 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Tgt Ion:	64	Resp:	256869
Ion	Ratio	Lower	Upper
64	100		
66	33.2	21.9	32.9#





#7

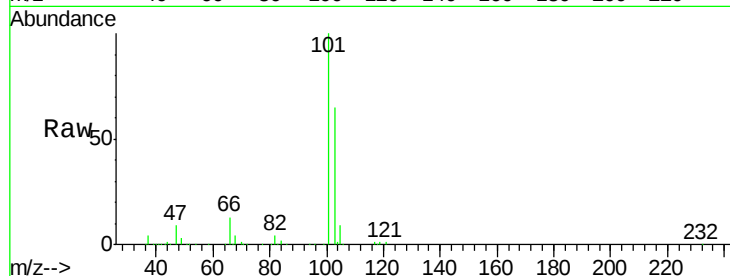
Trichlorofluoromethane
Concen: 64.999 ug/l
RT: 2.52 min Scan# 111
Delta R.T. -0.01 min
Lab File: VD062639.D
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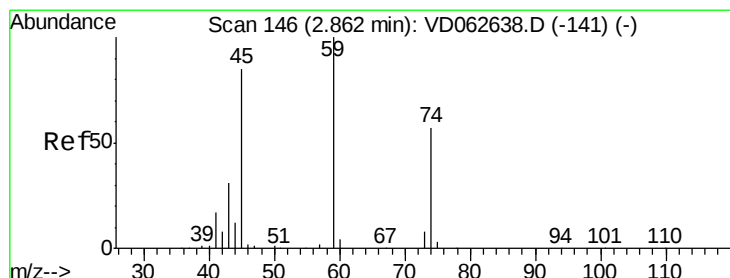
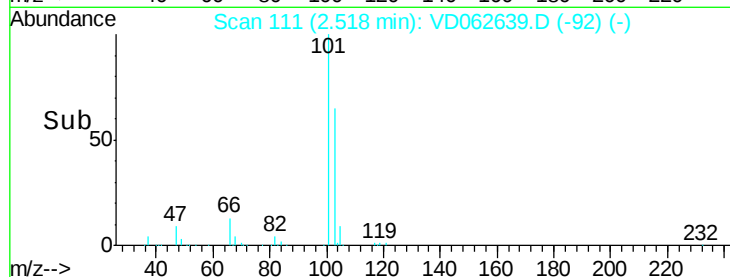
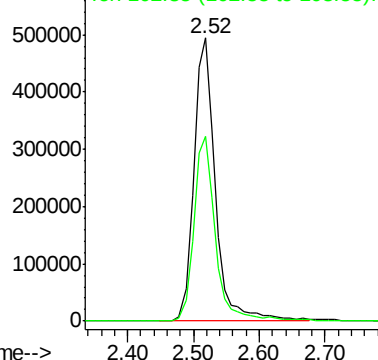
Tot Ion:101 Resp: 1126550
Ion Ratio Lower Upper
101 100
103 65.4 52.2 78.2

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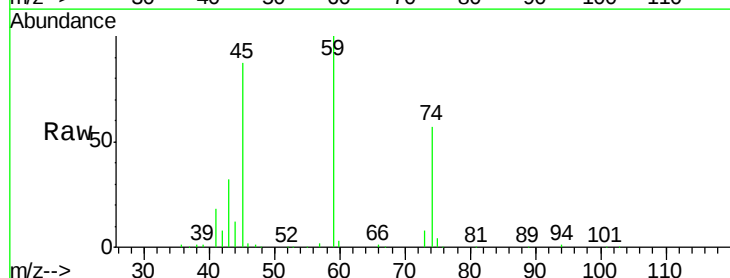
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



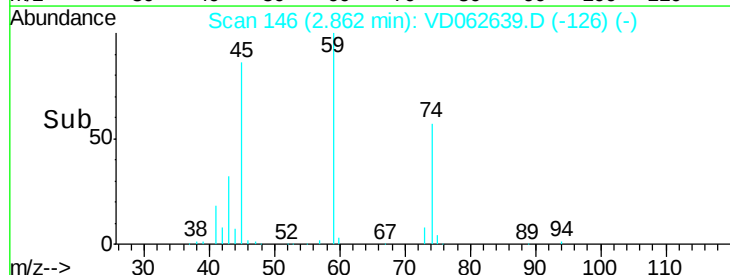
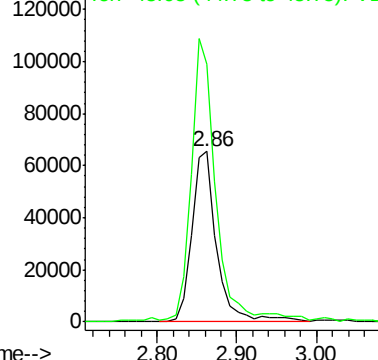
#8

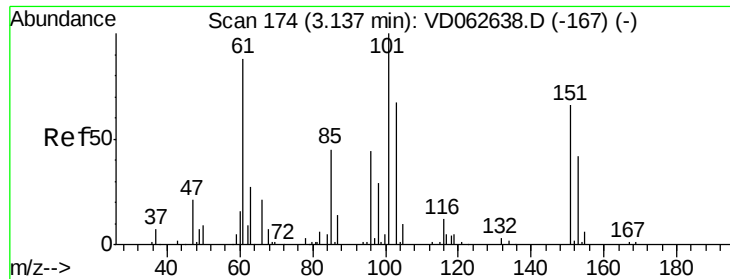
Diethyl Ether
Concen: 60.866 ug/l
RT: 2.86 min Scan# 146
Delta R.T. 0.00 min
Lab File: VD062639.D
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Tgt Ion: 74 Resp: 143861
Ion Ratio Lower Upper
74 100
45 151.7 74.9 224.7



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 62.153 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD062639.D

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Instrument :

MSVOA_D

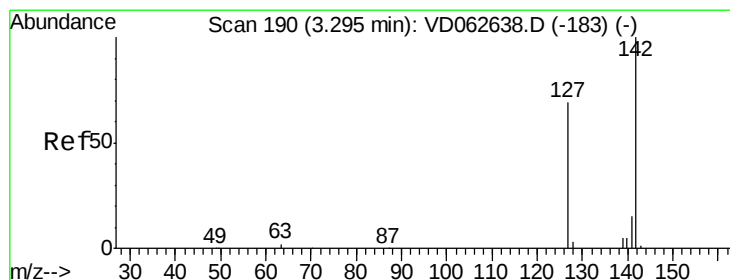
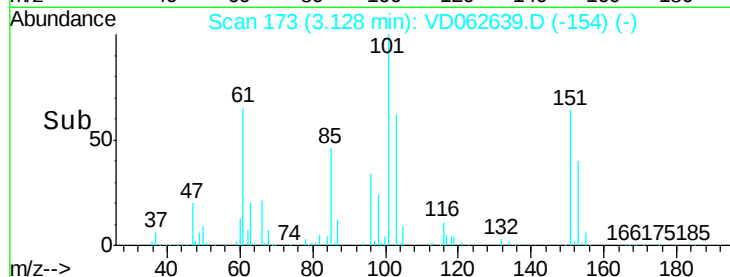
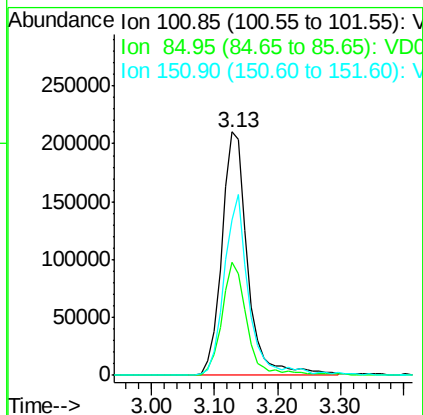
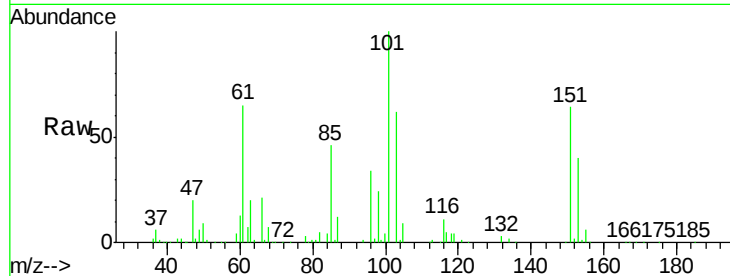
ClientSampleId :

VSTDIC075

Tot Ion:	101	Resp:	597378
Ion Ratio	Lower	Upper	
101	100		
85	46.4	36.0	54.0
151	63.6	52.6	79.0

Manual Integrations
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#10

Methyl Iodide

Concen: 68.895 ug/l

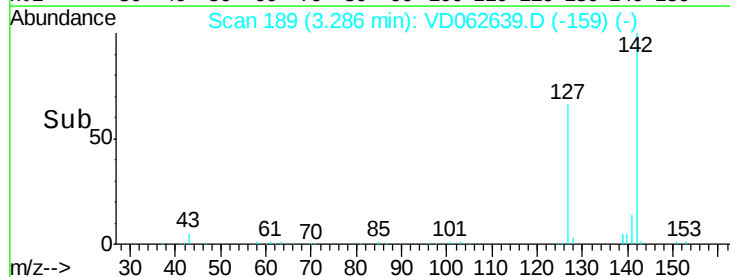
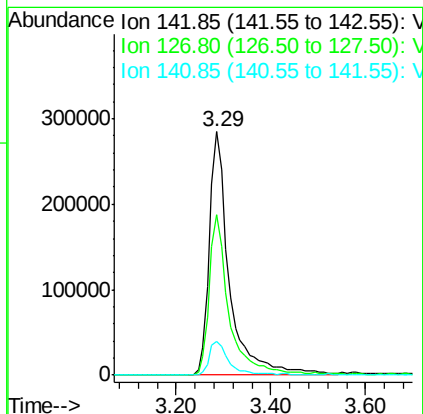
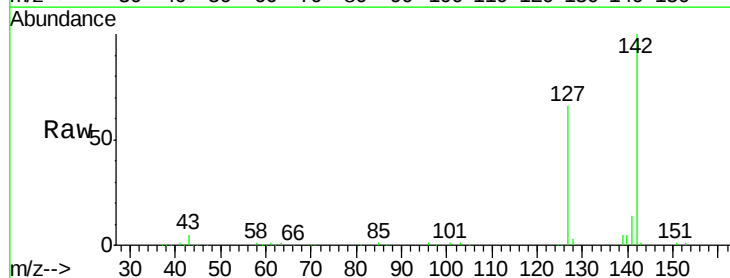
RT: 3.29 min Scan# 189

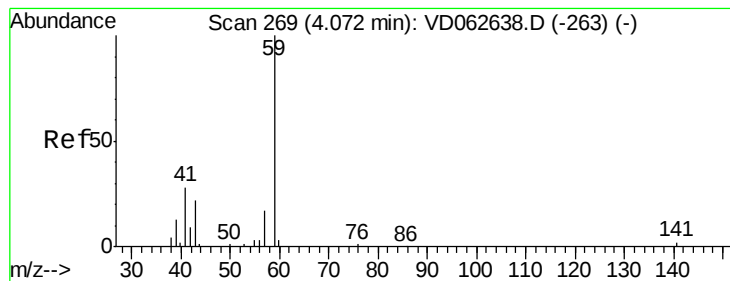
Delta R.T. -0.01 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Tgt Ion:	142	Resp:	844187
Ion Ratio	Lower	Upper	
142	100		
127	65.9	55.2	82.8
141	13.8	12.1	18.1





#11

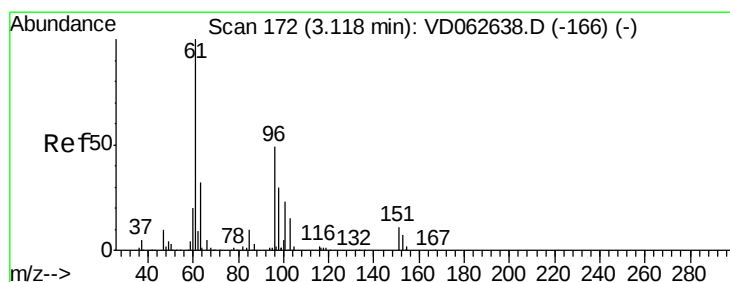
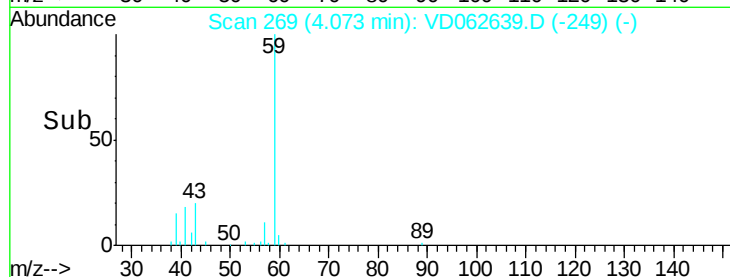
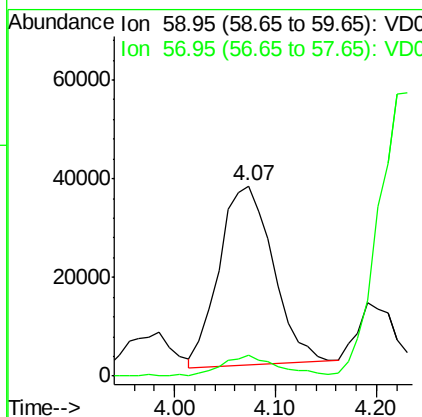
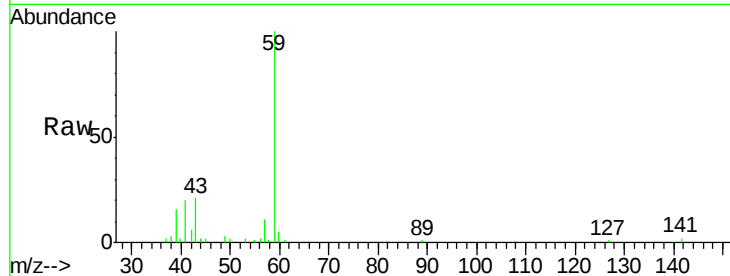
Tert butyl alcohol
 Concen: 285.730 ug/l
 RT: 4.07 min Scan# 269
 Delta R.T. 0.00 min
 Lab File: VD062639.D
 Acq: 7 Jun 2019 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion: 59 Resp: 135114
 Ion Ratio Lower Upper
 59 100
 57 11.3 13.7 20.5#

Manual Integrations
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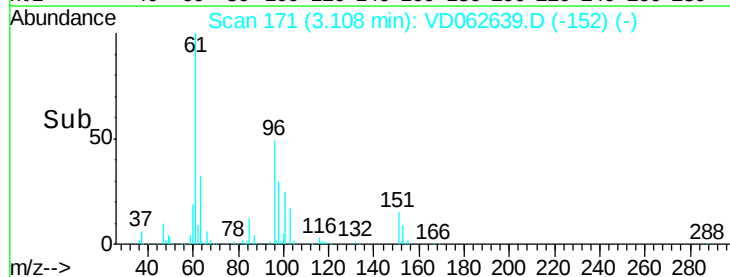
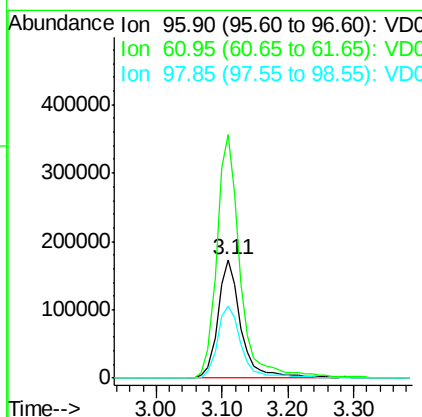
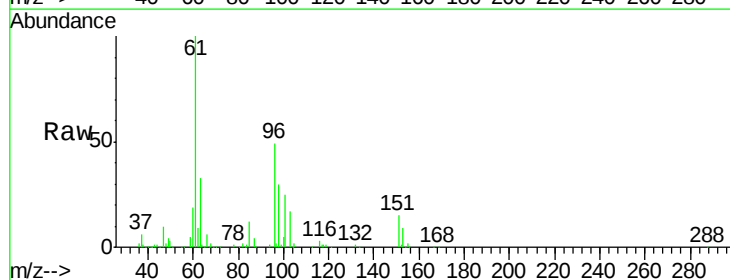
MMDadoda
 6/11/2019 2:17:22 AM

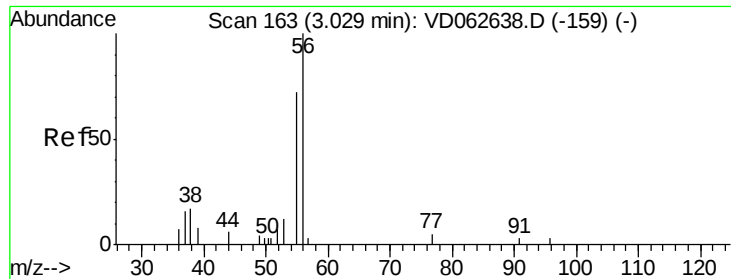


#12

1,1-Dichloroethene
 Concen: 62.692 ug/l
 RT: 3.11 min Scan# 171
 Delta R.T. -0.01 min
 Lab File: VD062639.D
 Acq: 7 Jun 2019 12:42

Tgt Ion: 96 Resp: 419861
 Ion Ratio Lower Upper
 96 100
 61 205.9 161.8 242.8
 98 61.2 48.2 72.4





#13

Acrolein

Concen: 371.616 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 56 Resp: 48566

Ion Ratio Lower Upper

56 100

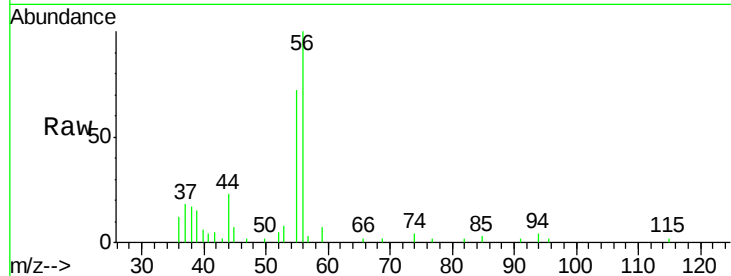
55 72.5 59.4 89.0

Manual Integrations

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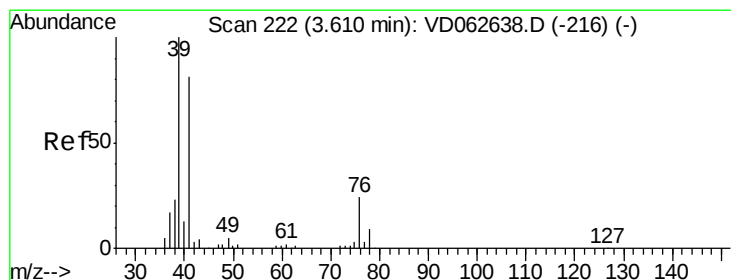
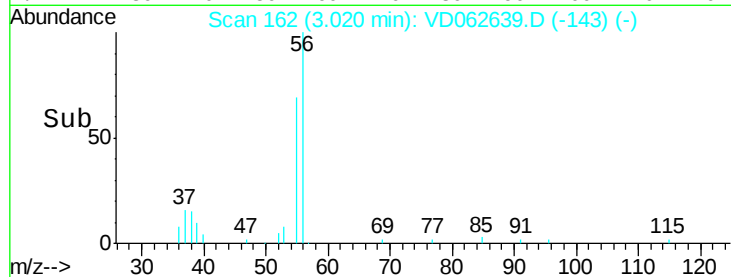
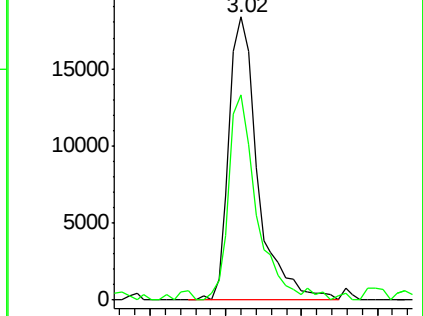
MMDadoda

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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: 66.951 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.01 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

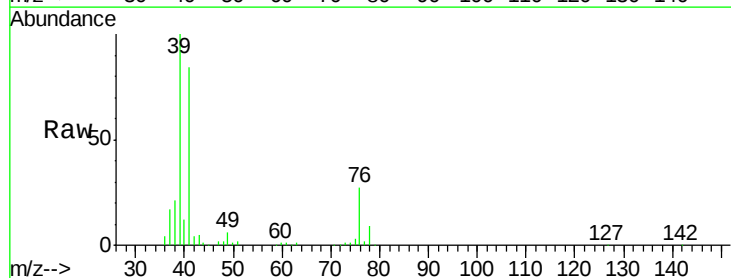
Tgt Ion: 41 Resp: 689358

Ion Ratio Lower Upper

41 100

39 119.5 99.1 148.7

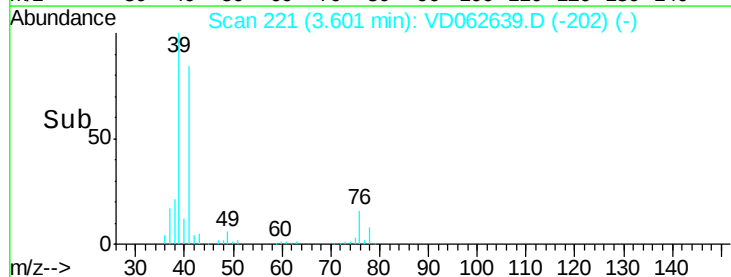
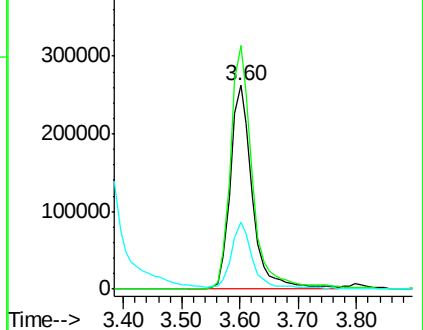
76 32.6 25.0 37.6

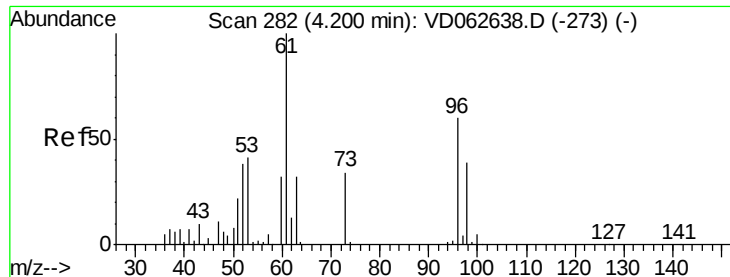


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 332.994 ug/l

RT: 4.18 min Scan# 280

Delta R.T. -0.02 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Instrument :

MSVOA_D

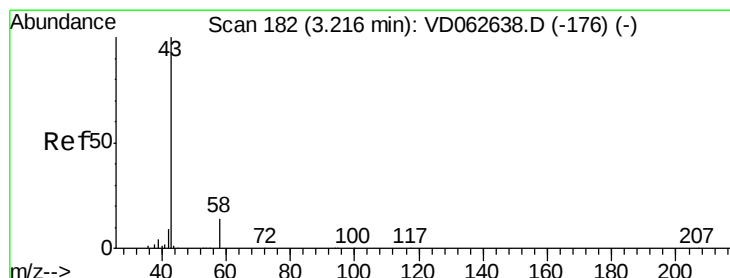
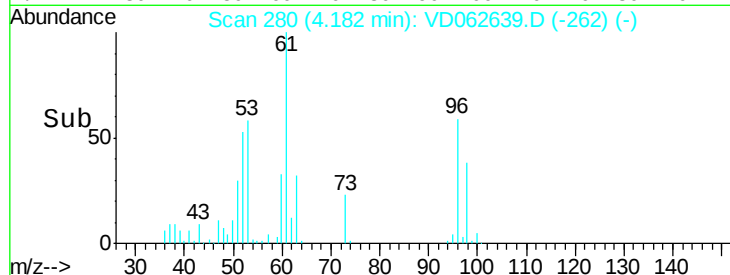
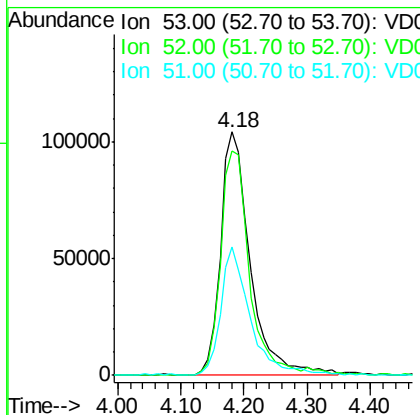
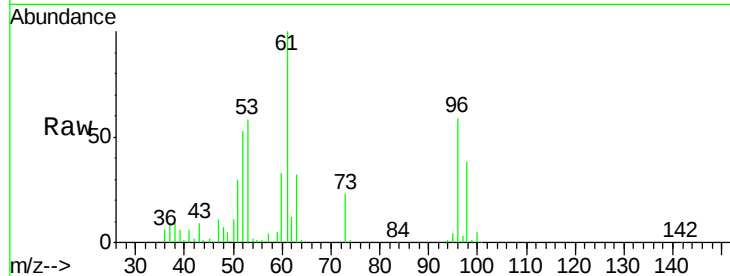
ClientSampleId :

VSTDIC075

Tot Ion:	53	Resp:	340909
Ion	Ratio	Lower	Upper
53	100		
52	92.1	73.6	110.4
51	52.7	42.0	63.0

Manual Integrations
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#16

Acetone

Concen: 349.416 ug/l

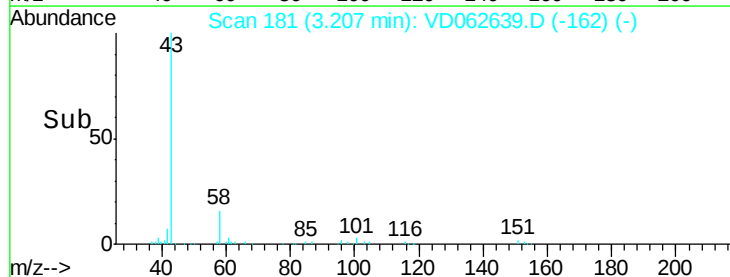
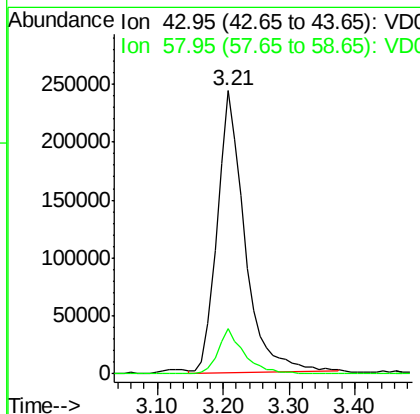
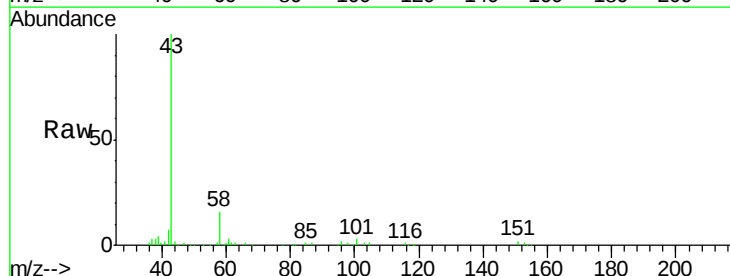
RT: 3.21 min Scan# 181

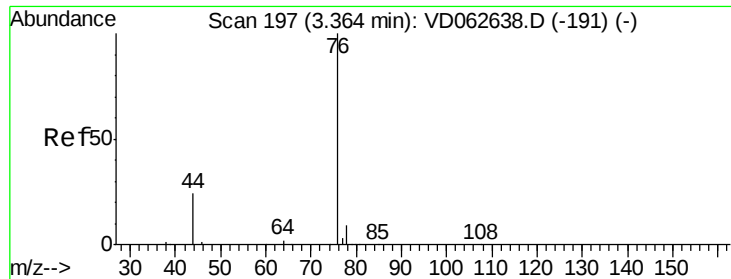
Delta R.T. -0.01 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Tgt Ion:	43	Resp:	707392
Ion	Ratio	Lower	Upper
43	100		
58	16.0	10.8	16.2





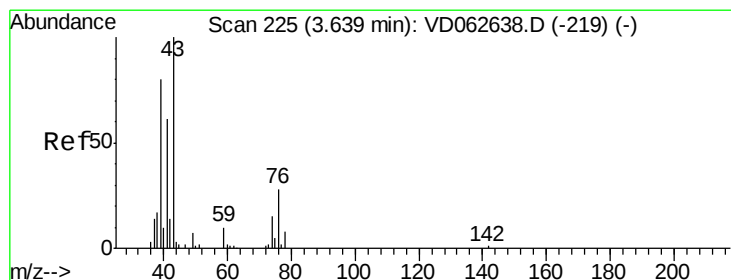
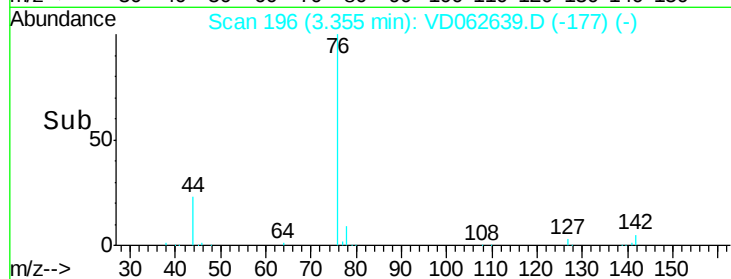
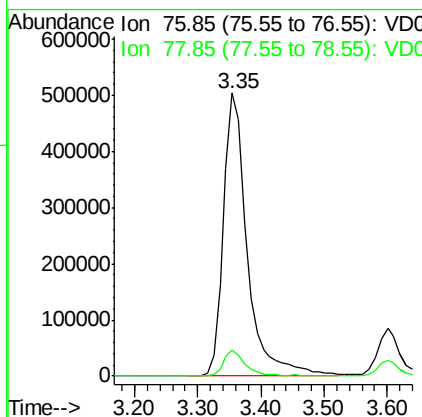
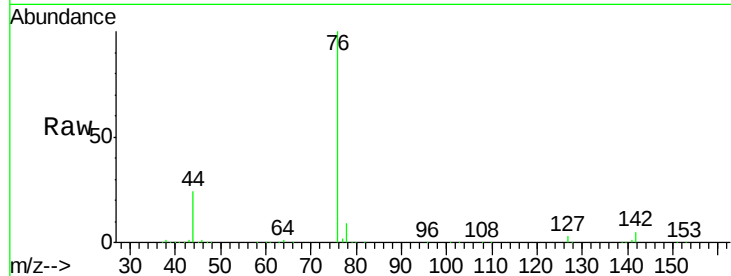
#17
Carbon Disulfide
Concen: 66.396 ug/l
RT: 3.35 min Scan# 196
Delta R.T. -0.01 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 76 Resp: 1328694
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.4

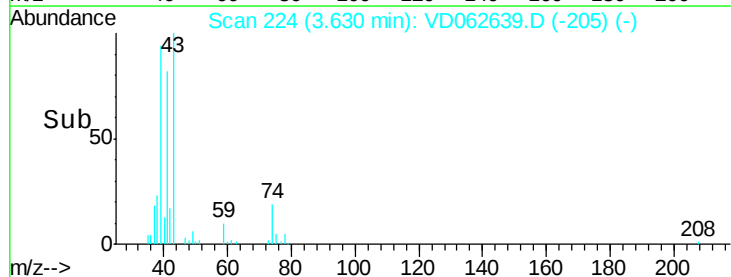
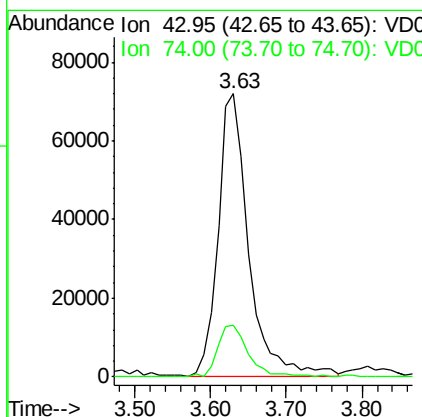
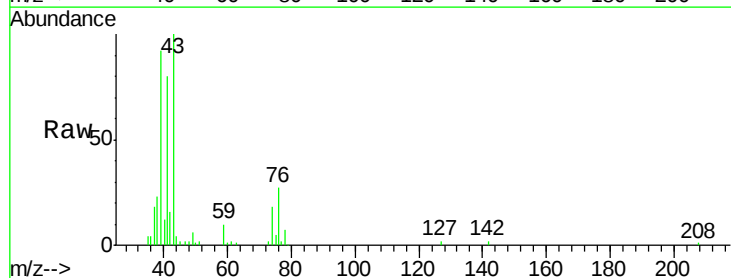
Manual Integrations
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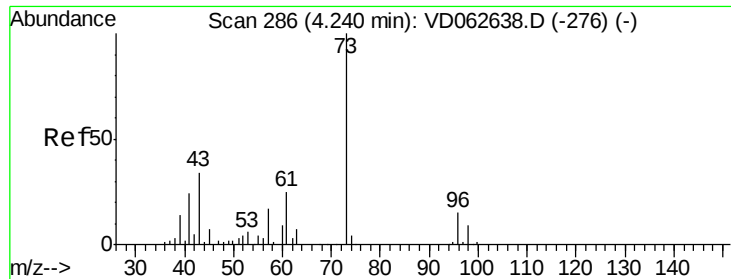
MMDadoda
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#18
Methyl Acetate
Concen: 61.681 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.01 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Tgt Ion: 43 Resp: 203213
Ion Ratio Lower Upper
43 100
74 18.2 12.1 18.1#





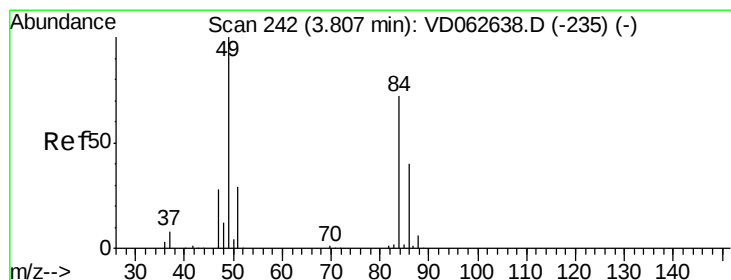
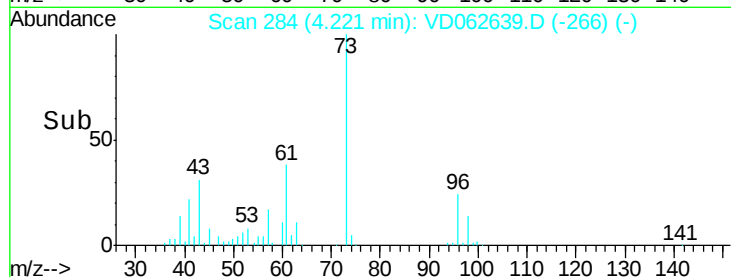
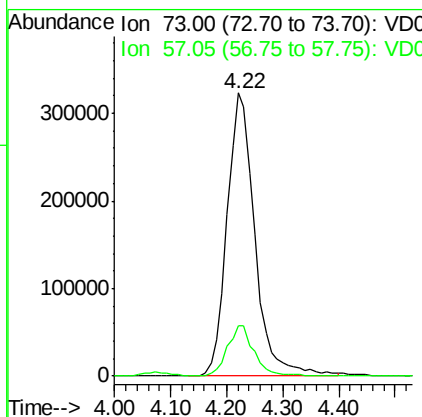
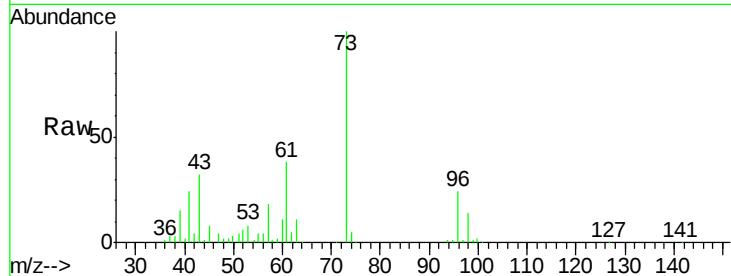
#19
Methvl tert-butvl Ether
Concen: 67.506 ug/l
RT: 4.22 min Scan# 284
Delta R.T. -0.02 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 73 Resp: 1114890
Ion Ratio Lower Upper
73 100
57 17.7 13.5 20.3

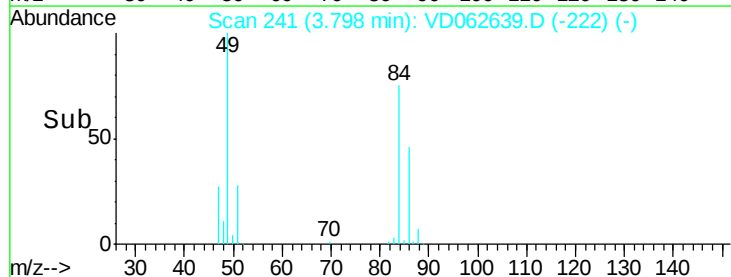
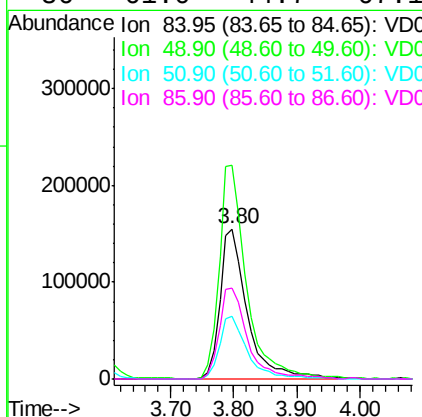
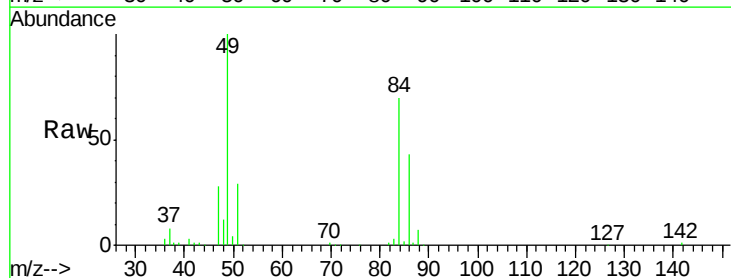
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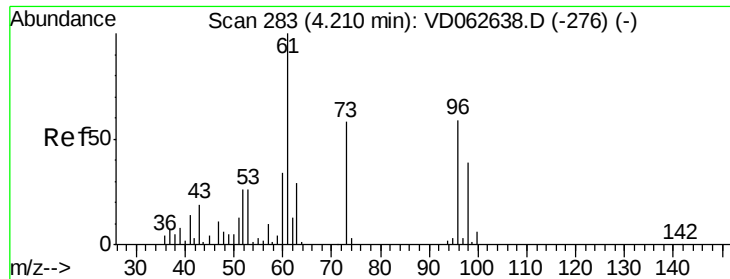
MMDadoda
6/11/2019 2:17:22 AM



#20
Methylene Chloride
Concen: 61.906 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.01 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Tgt Ion: 84 Resp: 467387
Ion Ratio Lower Upper
84 100
49 142.5 111.2 166.8
51 41.5 31.9 47.9
86 61.0 44.7 67.1





#21

trans-1,2-Dichloroethene

Concen: 65.427 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.02 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 96 Resp: 490809

Ion Ratio Lower Upper

96 100

61 157.2 134.6 201.8

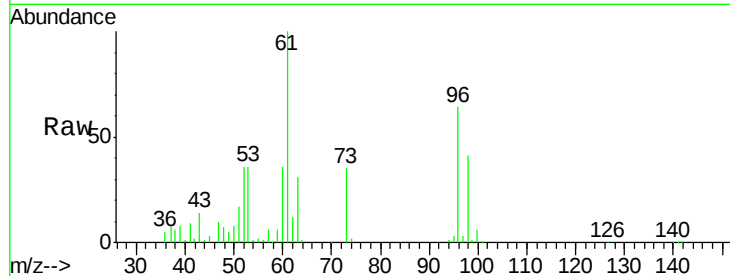
98 65.0 51.8 77.8

Manual Integrations

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MMDadoda

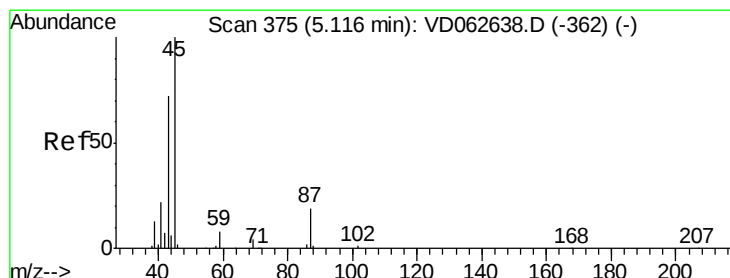
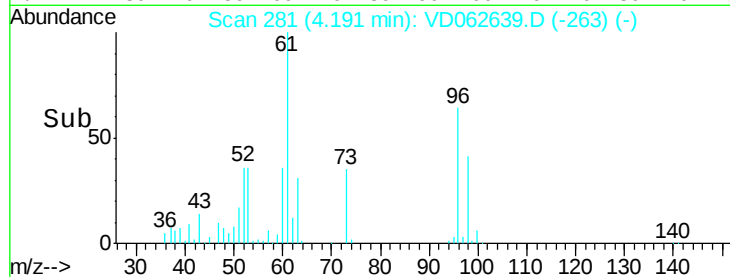
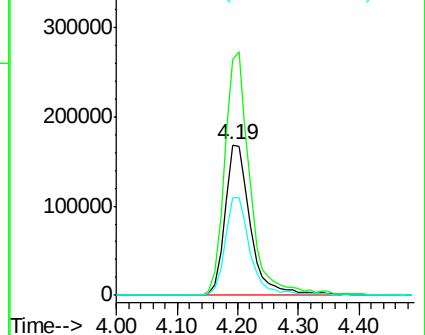
6/11/2019 2:17:22 AM



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: 71.105 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.01 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Tgt Ion: 45 Resp: 1498497

Ion Ratio Lower Upper

45 100

43 66.1 58.8 88.2

87 18.1 15.7 23.5

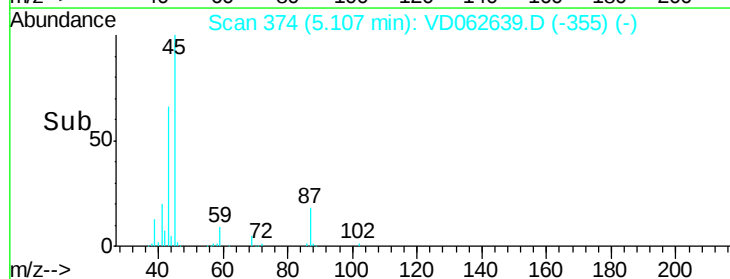
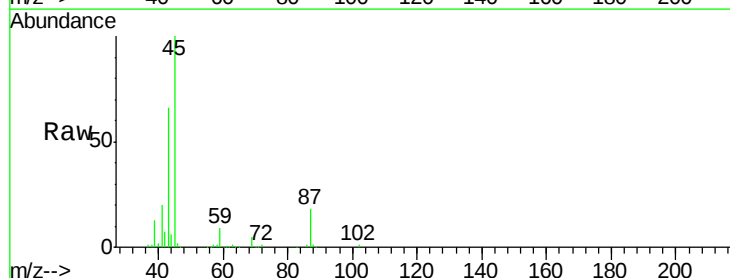
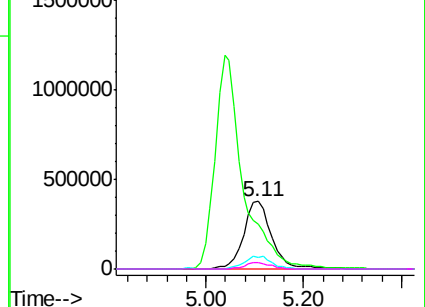
59 9.4 6.6 9.8

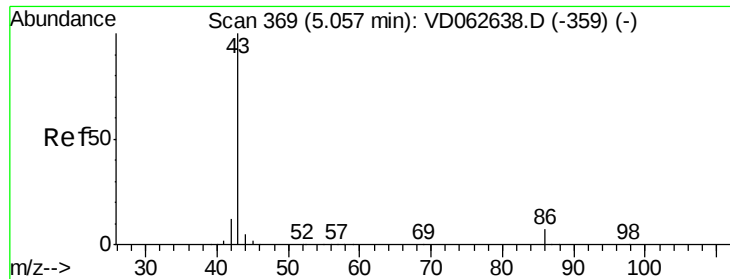
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 354.939 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.02 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 4719899

Ion Ratio Lower Upper

43 100

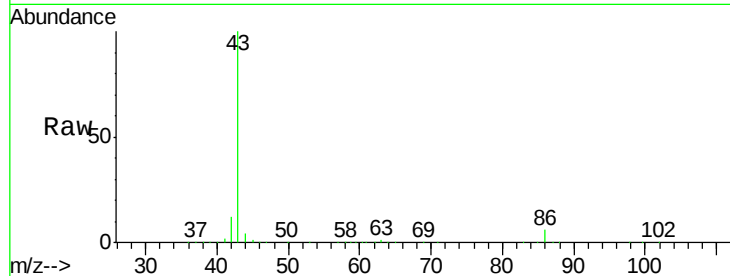
86 5.9 5.3 7.9

Manual Integrations

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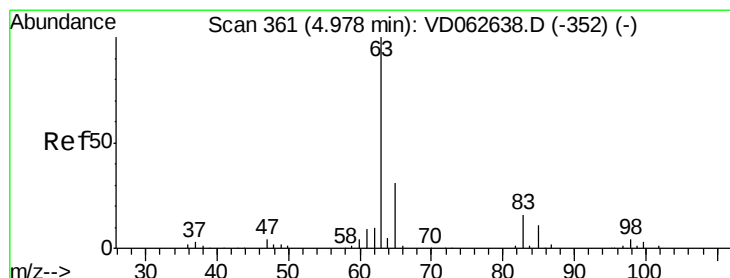
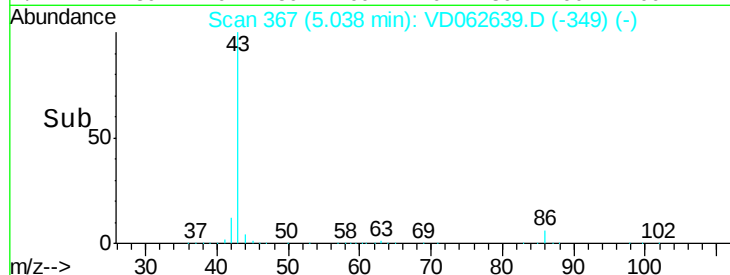
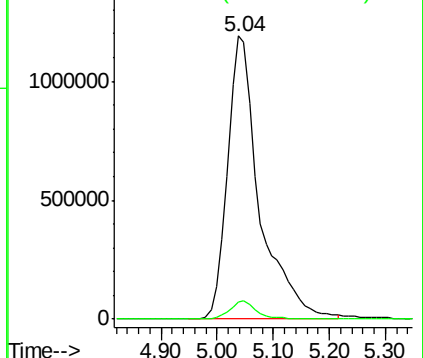
MMDadoda

6/11/2019 2:17:22 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 66.740 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.02 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

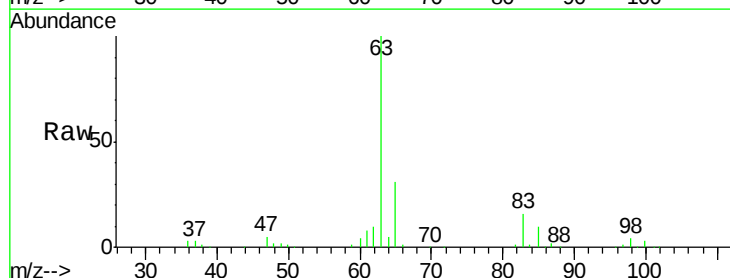
Tgt Ion: 63 Resp: 928722

Ion Ratio Lower Upper

63 100

98 3.7 1.8 5.4

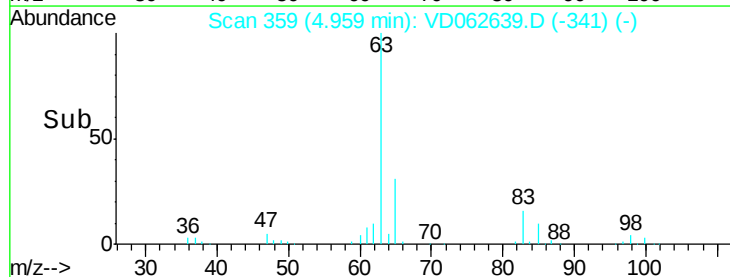
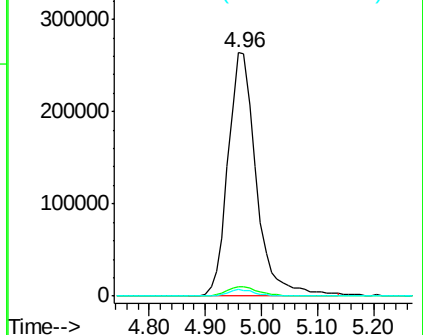
100 2.6 1.5 4.4



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: 338.461 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 667876

Ion Ratio Lower Upper

43 100

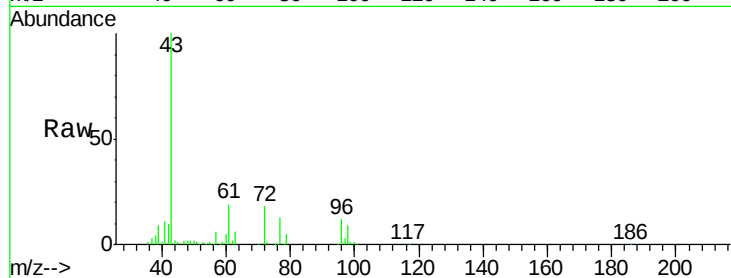
72 17.6 13.5 20.3

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.06

250000

200000

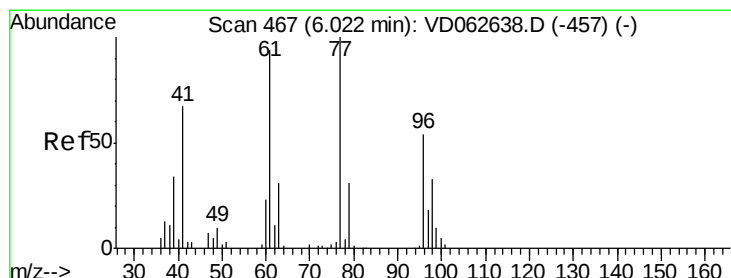
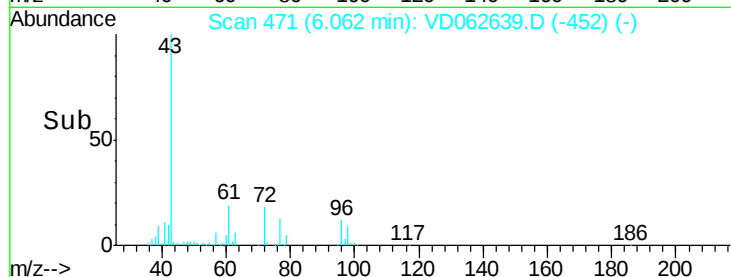
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 63.797 ug/l

RT: 6.00 min Scan# 465

Delta R.T. -0.02 min

Lab File: VD062639.D

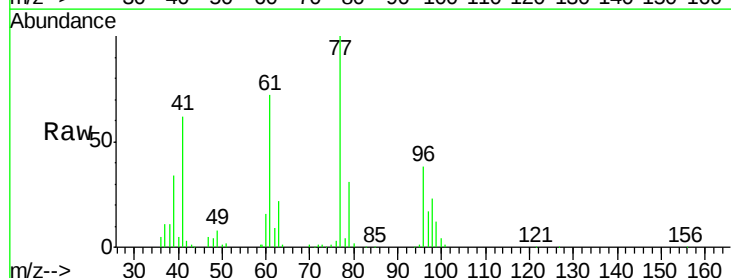
Acq: 7 Jun 2019 12:42

Tgt Ion: 77 Resp: 1027047

Ion Ratio Lower Upper

77 100

97 17.4 8.8 26.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

6.00

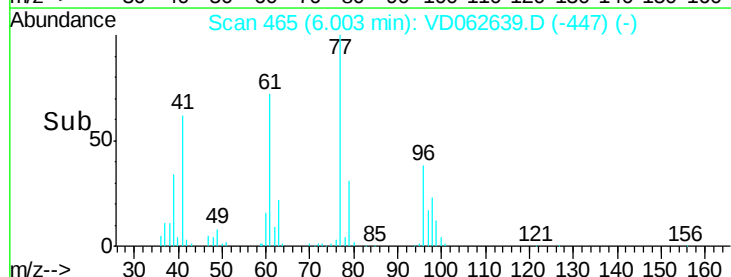
300000

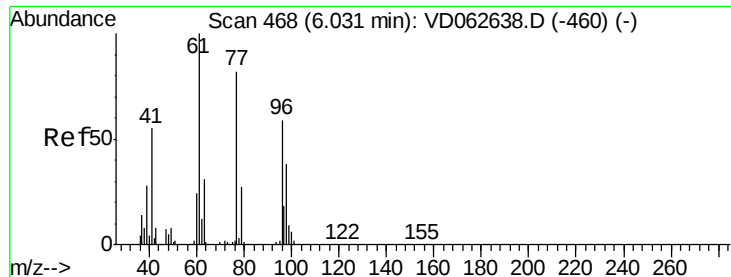
200000

100000

0

Time-->





#27

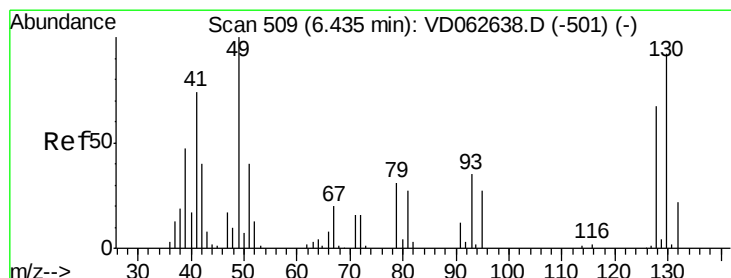
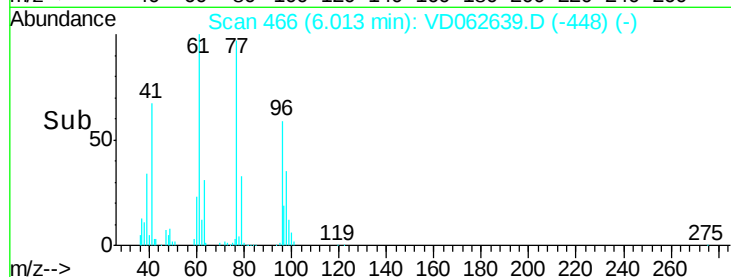
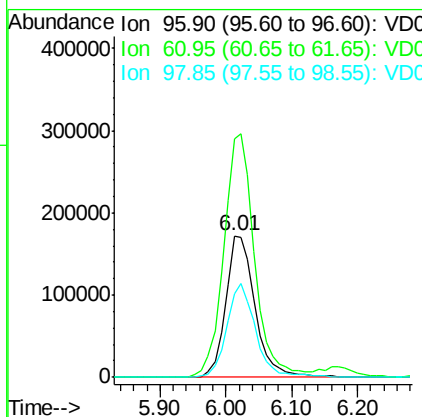
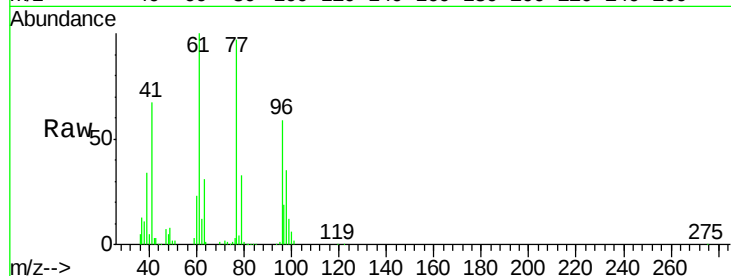
cis-1,2-Dichloroethene
 Concen: 67.201 ug/l
 RT: 6.01 min Scan# 466
 Delta R.T. -0.02 min
 Lab File: VD062639.D
 Acq: 7 Jun 2019 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	168.8	0.0	340.0	
98	59.3	0.0	127.6	

Manual Integrations
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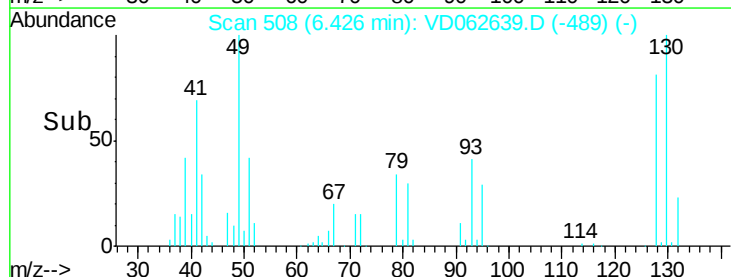
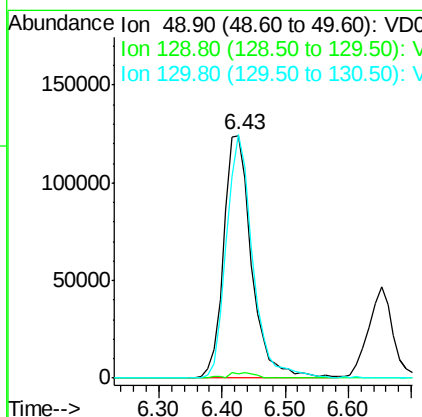
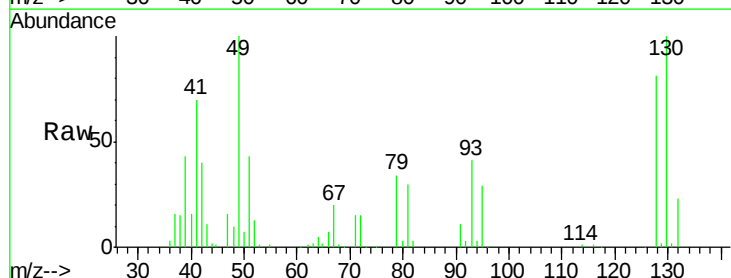
MMDadoda
 6/11/2019 2:17:22 AM



#28

Bromochloromethane
 Concen: 76.626 ug/l
 RT: 6.43 min Scan# 508
 Delta R.T. -0.01 min
 Lab File: VD062639.D
 Acq: 7 Jun 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	8.2	
130	100.3	73.4	110.0	





#29

Tetrahydrofuran

Concen: 334.973 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.01 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 42 Resp: 297448

Ion Ratio Lower Upper

42 100

72 40.2 33.8 50.6

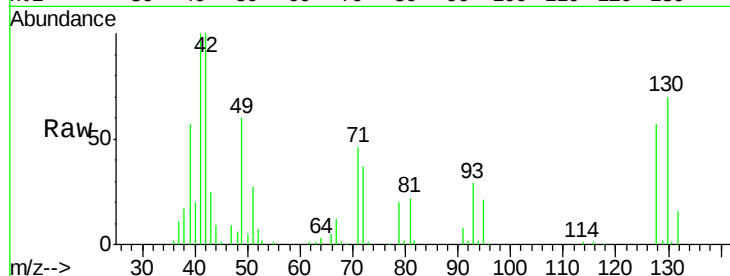
71 42.7 34.2 51.4

Manual Integrations

APPROVED

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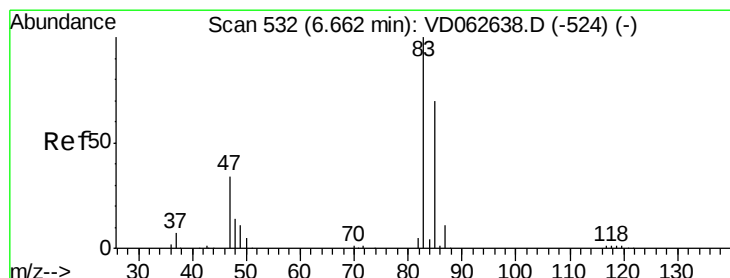
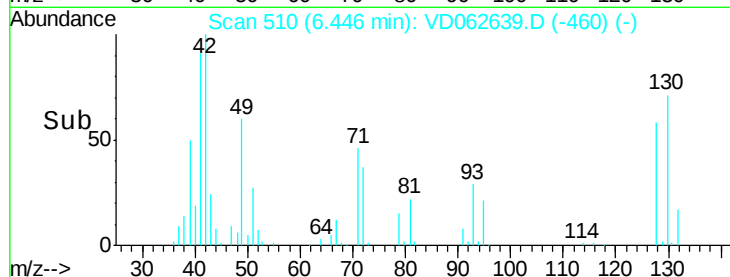
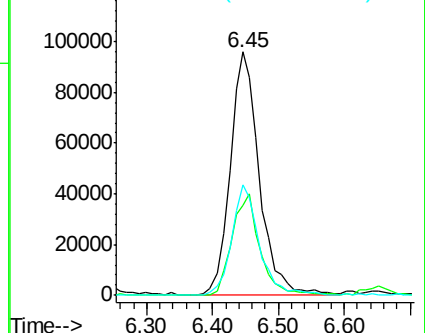
6/11/2019 2:17:22 AM



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 67.114 ug/l

RT: 6.65 min Scan# 531

Delta R.T. -0.01 min

Lab File: VD062639.D

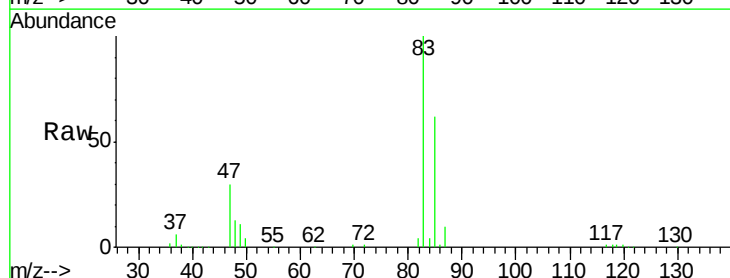
Acq: 7 Jun 2019 12:42

Tgt Ion: 83 Resp: 1202186

Ion Ratio Lower Upper

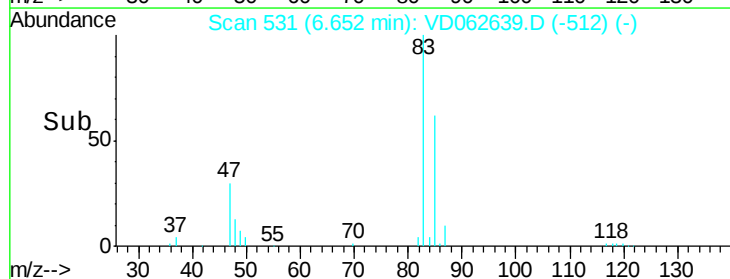
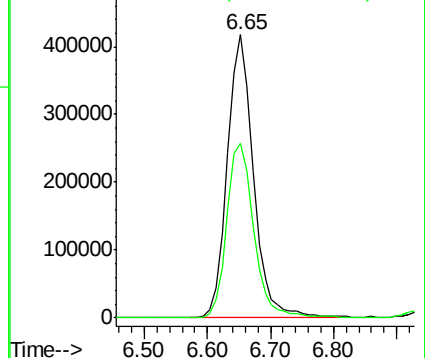
83 100

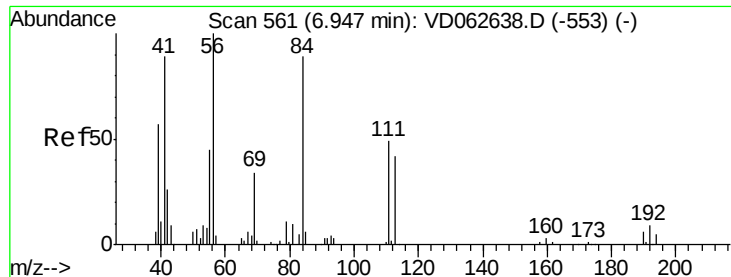
85 61.8 55.8 83.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





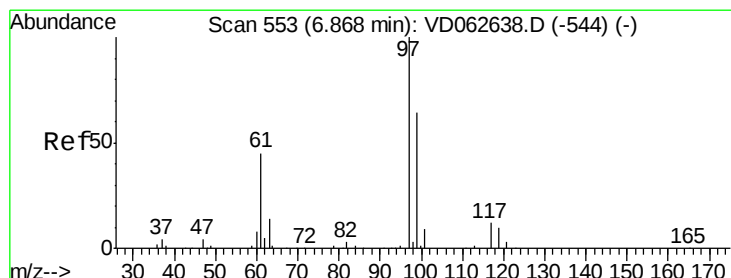
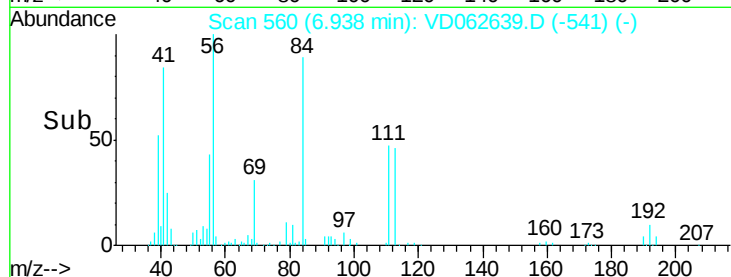
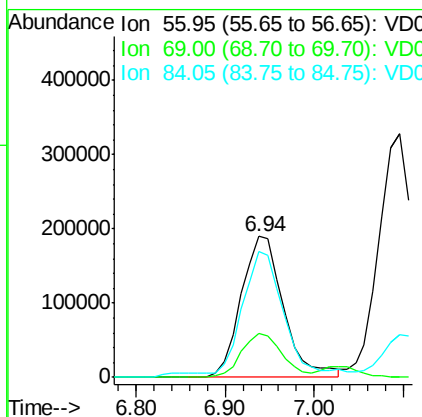
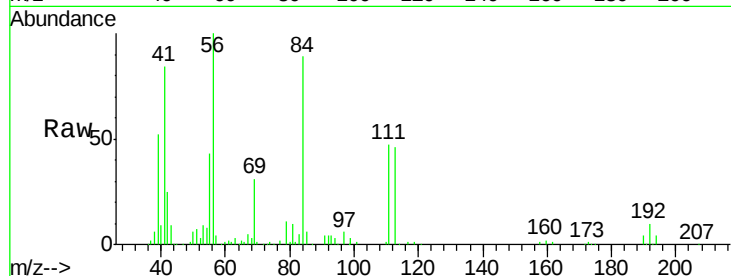
#31
Cvclohexane
Concen: 73.298 ug/l
RT: 6.94 min Scan# 560
Delta R.T. -0.01 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.4	26.8	40.2
84	89.1	73.9	110.9

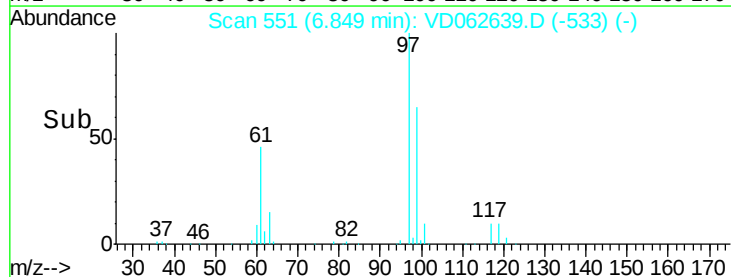
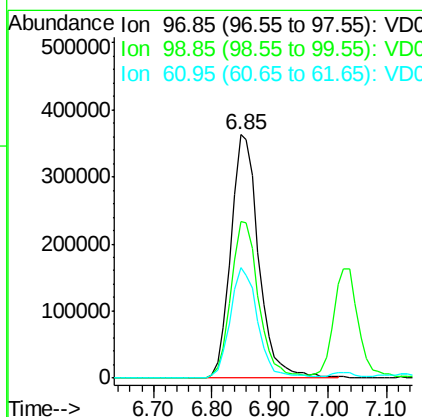
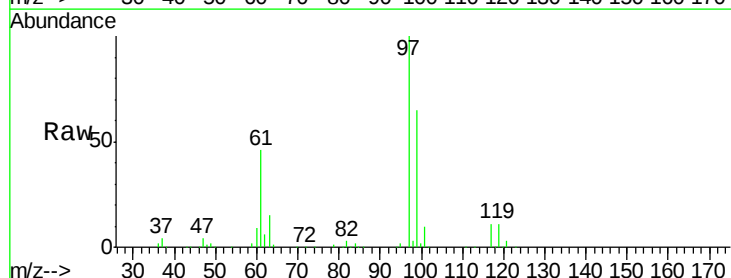
Manual Integrations
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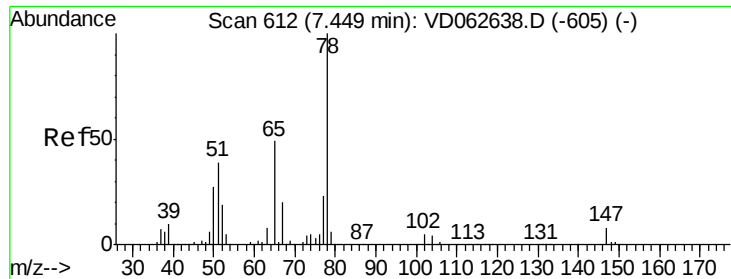
MMDadoda
6/11/2019 2:17:22 AM



#32
1,1,1-Trichloroethane
Concen: 66.679 ug/l
RT: 6.85 min Scan# 551
Delta R.T. -0.02 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.4	77.0
61	45.5	35.6	53.4





#33

1,2-Dichloroethane-d4

Concen: 69.054 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.01 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Tot Ion: 65 Resp: 752362

Ion Ratio Lower Upper

65 100

67 43.7 0.0 81.8

Instrument :

MSVOA_D

ClientSampleId :

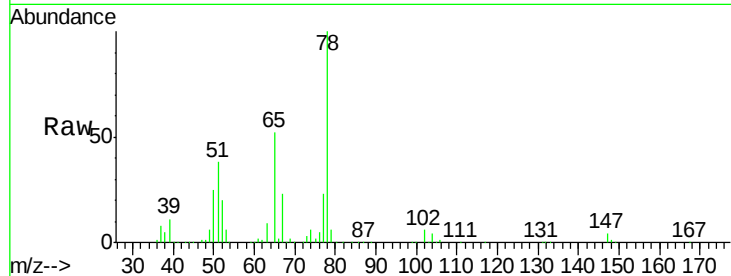
VSTDIC075

Manual Integrations

APPROVED

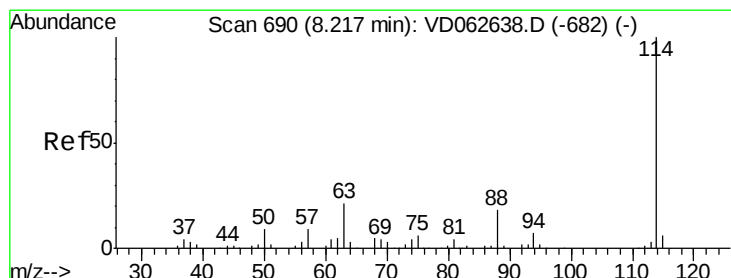
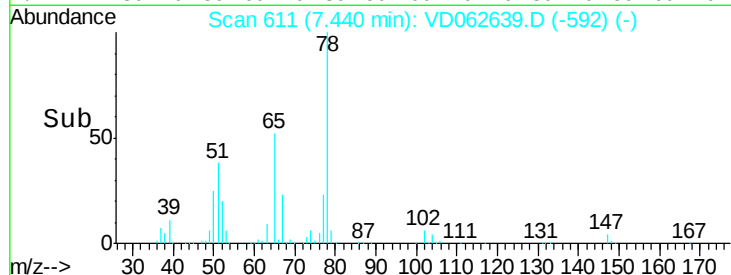
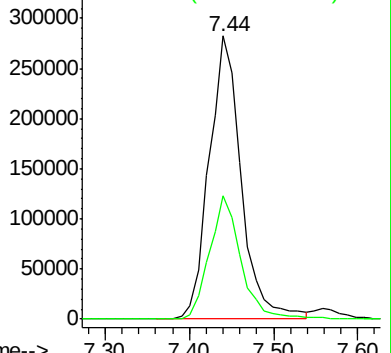
MMDadoda

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.01 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

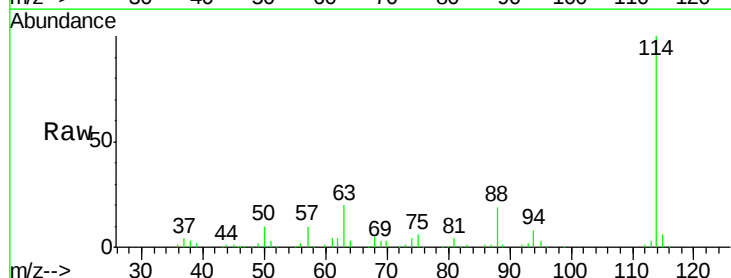
Tgt Ion: 114 Resp: 978380

Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.4

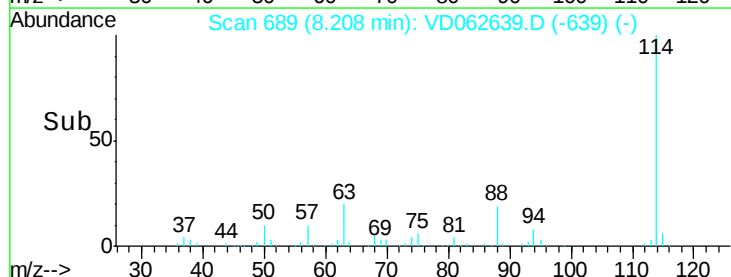
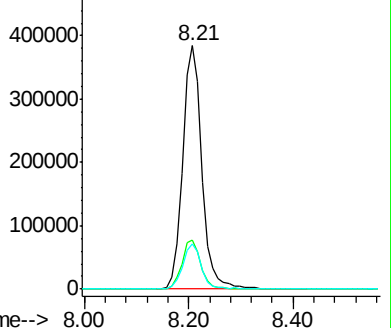
88 18.8 0.0 36.8

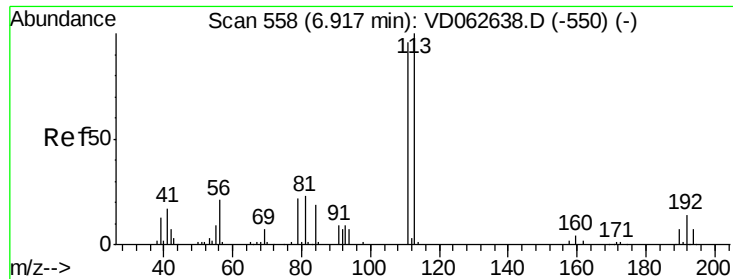


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 74.414 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.01 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Instrument :

MSVOA_D

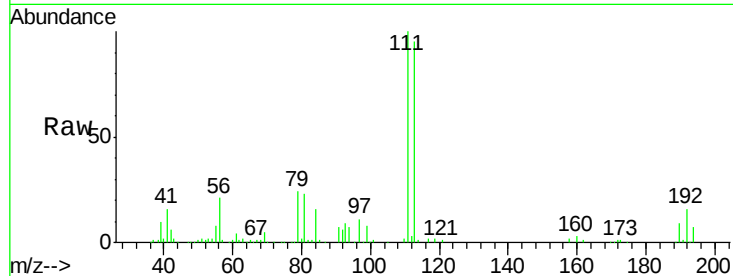
ClientSampleId :

VSTDIC075

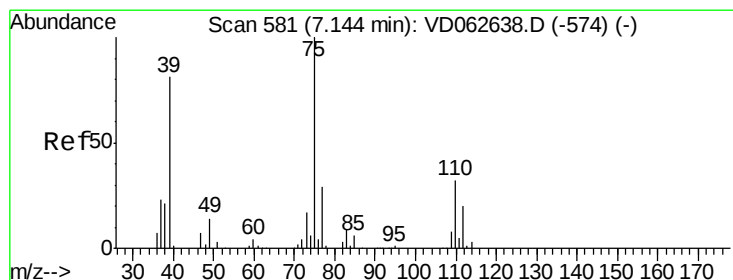
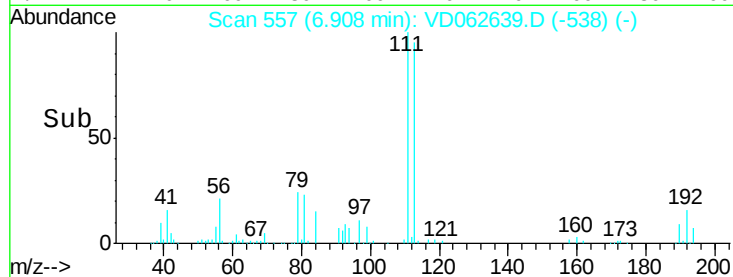
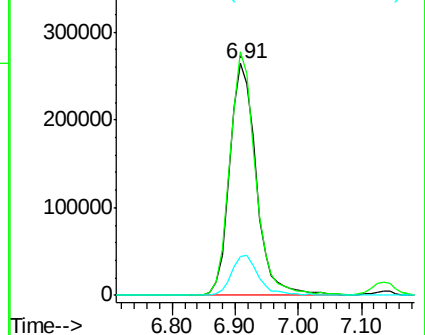
Tot Ion:	113	Resp:	767991
Ion Ratio	Lower	Upper	
113	100		
111	105.0	76.4	114.6
192	16.9	11.4	17.0

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Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 63.469 ug/l

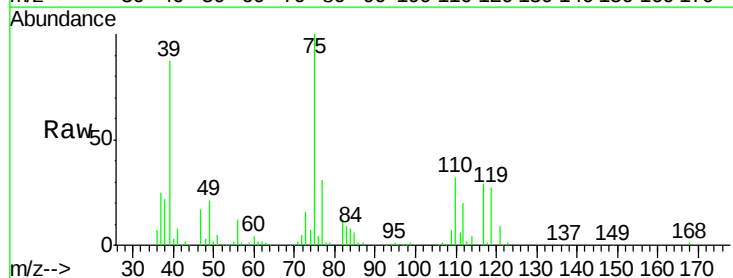
RT: 7.13 min Scan# 580

Delta R.T. -0.01 min

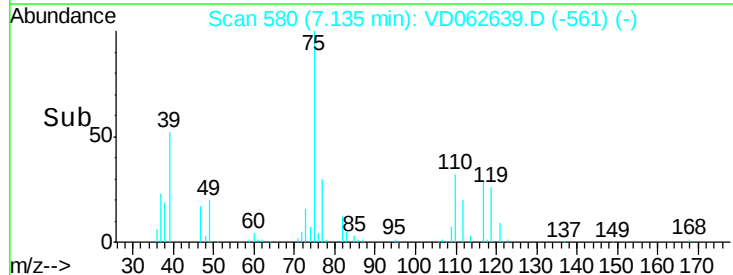
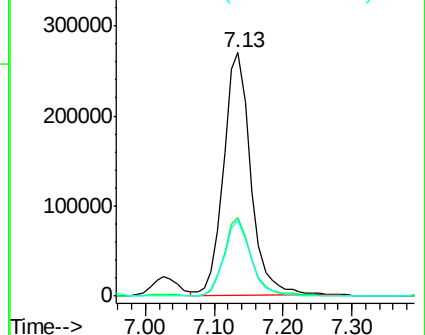
Lab File: VD062639.D

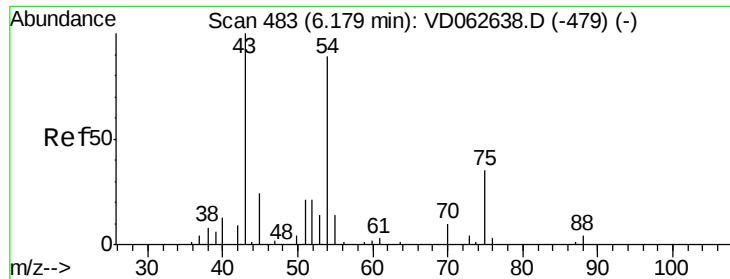
Acq: 7 Jun 2019 12:42

Tgt Ion:	75	Resp:	739562
Ion Ratio	Lower	Upper	
75	100		
110	32.0	15.9	47.7
77	31.0	23.3	34.9



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 60.447 ug/l

RT: 6.17 min Scan# 482

Delta R.T. -0.01 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Instrument :

MSVOA_D

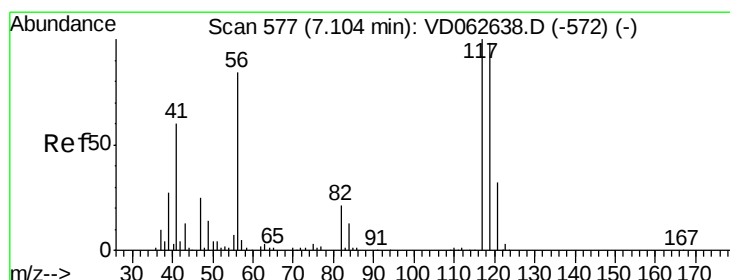
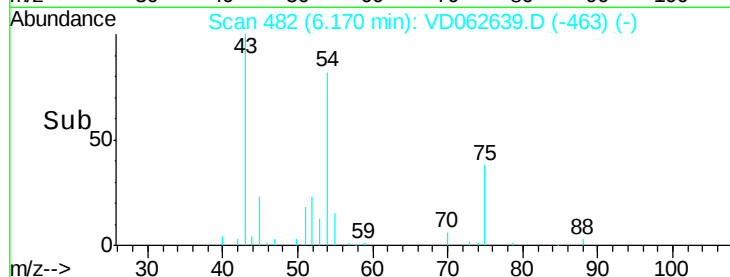
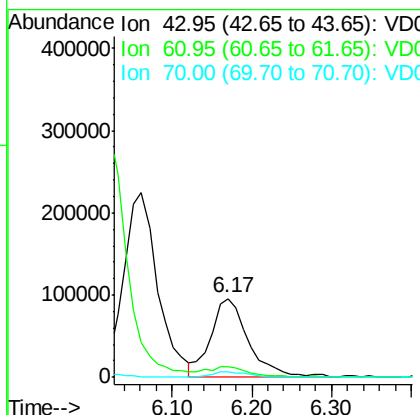
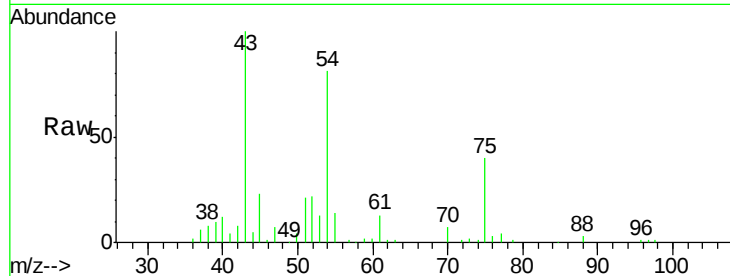
ClientSampleId :

VSTDIC075

Tot Ion:	43	Resp:	307062
Ion	Ratio	Lower	Upper
43	100		
61	13.1	8.7	13.1
70	6.7	6.5	9.7

Manual Integrations
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6/11/2019 2:17:22 AM



#38

Carbon Tetrachloride

Concen: 65.044 ug/l m

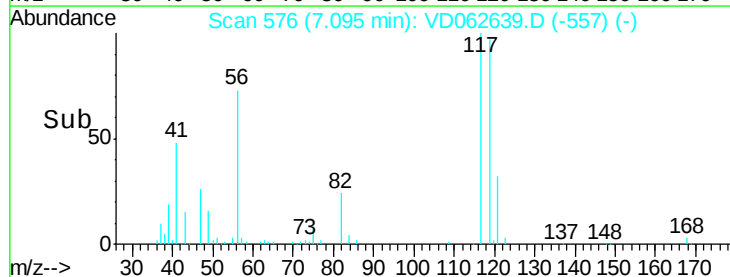
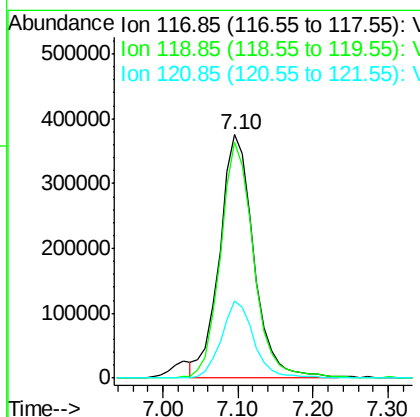
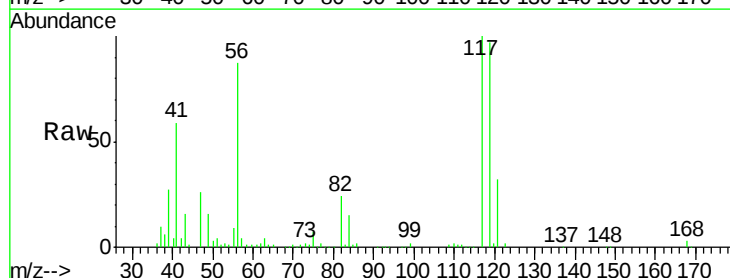
RT: 7.10 min Scan# 576

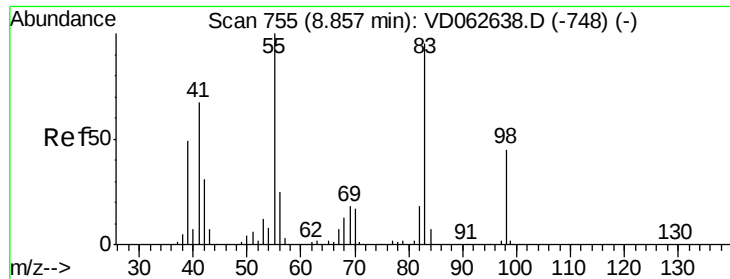
Delta R.T. -0.01 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Tgt Ion:	117	Resp:	1196314
Ion	Ratio	Lower	Upper
117	100		
119	96.9	73.5	110.3
121	31.7	24.2	36.4





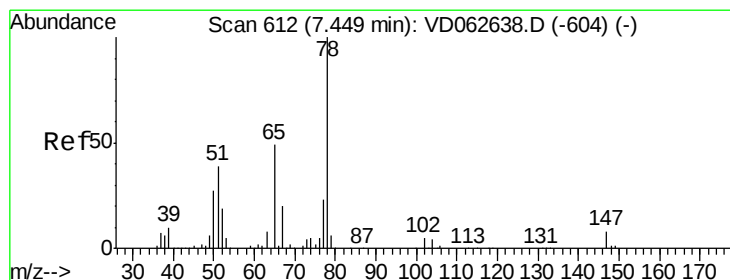
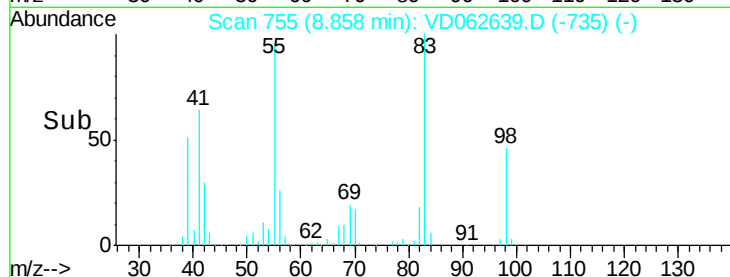
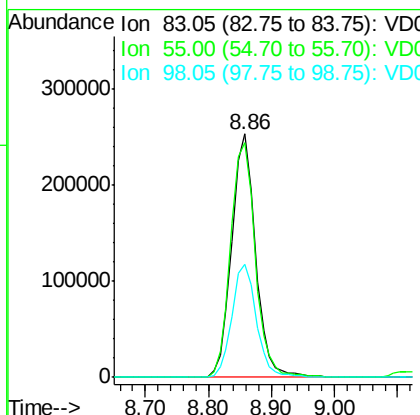
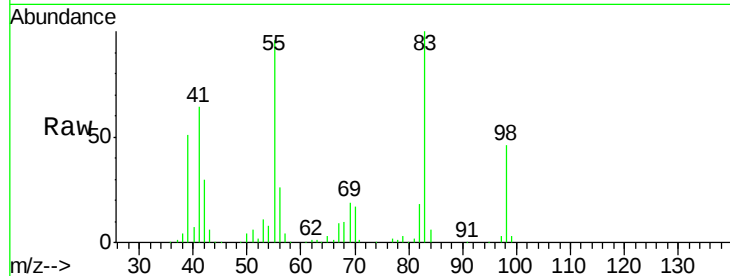
#39
Methvlcvclohexane
Concen: 71.468 ug/l
RT: 8.86 min Scan# 755
Delta R.T. 0.00 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	83	Resp	662710
Ion Ratio	Lower	Upper	
83	100		
55	96.4	84.6	127.0
98	46.2	38.2	57.4

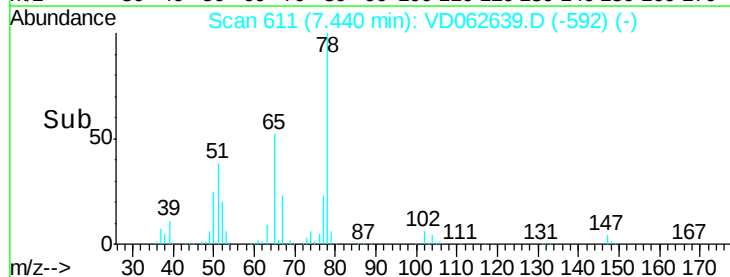
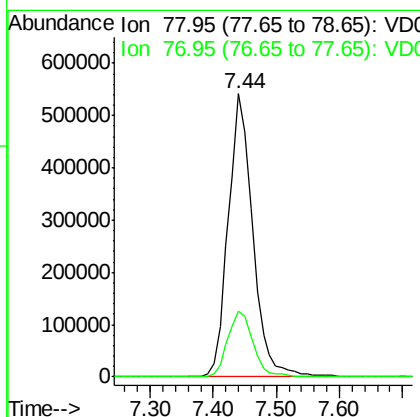
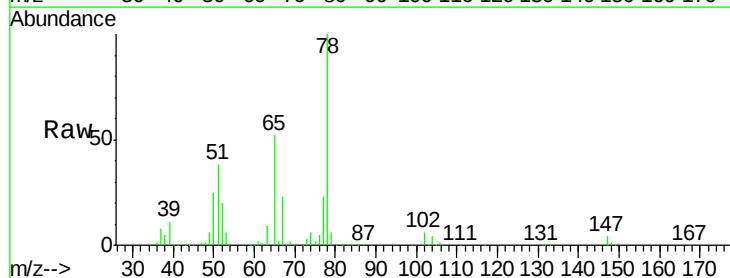
Manual Integrations
APPROVED

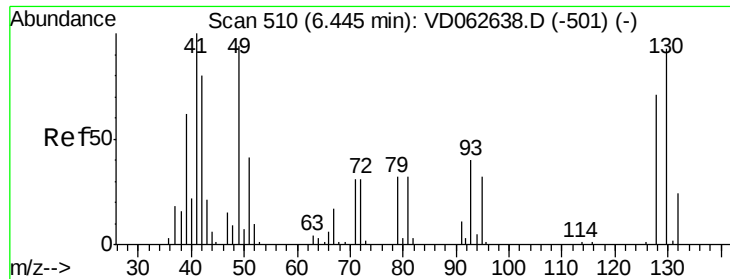
MMDadoda
6/11/2019 2:17:22 AM



#40
Benzene
Concen: 65.670 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.01 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Tgt Ion	78	Resp	1457648
Ion Ratio	Lower	Upper	
78	100		
77	23.3	18.6	28.0





#41

Methacrylonitrile

Concen: 66.607 ug/l

RT: 6.44 min Scan# 509

Delta R.T. -0.01 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

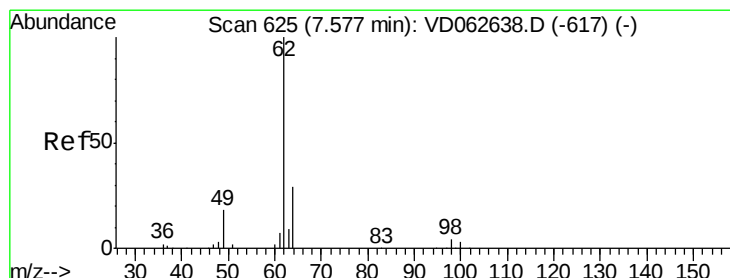
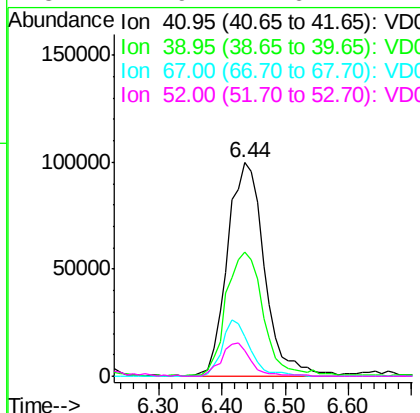
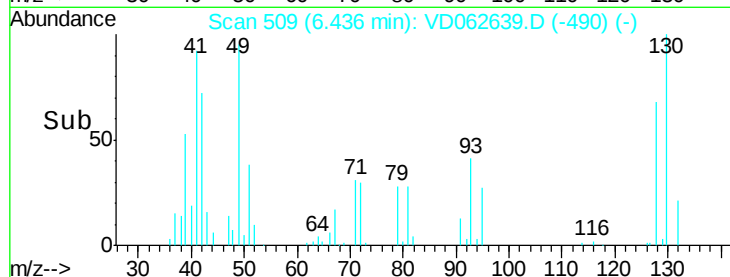
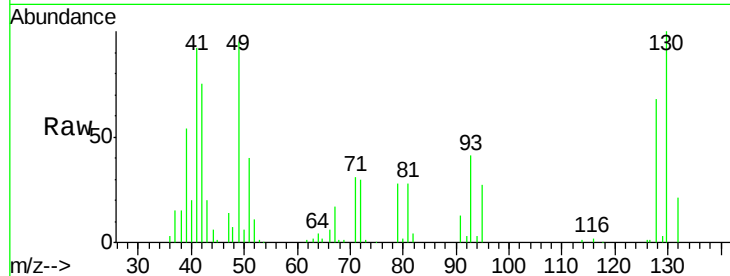
VSTDIC075

Tot Ion: 41 Resp: 405516

Ion	Ratio	Lower	Upper
41	100		
39	58.4	49.2	73.8
67	18.5	13.9	20.9
52	11.9	7.6	11.4

Manual Integrations
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MMDadoda
6/11/2019 2:17:22 AM



#42

1,2-Dichloroethane

Concen: 70.246 ug/l

RT: 7.57 min Scan# 624

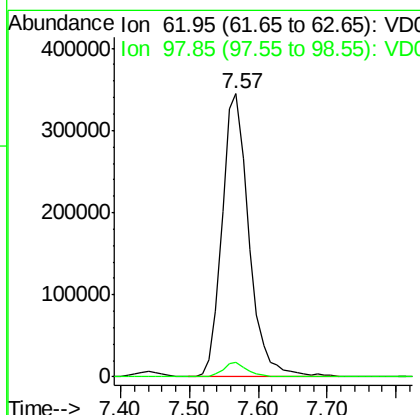
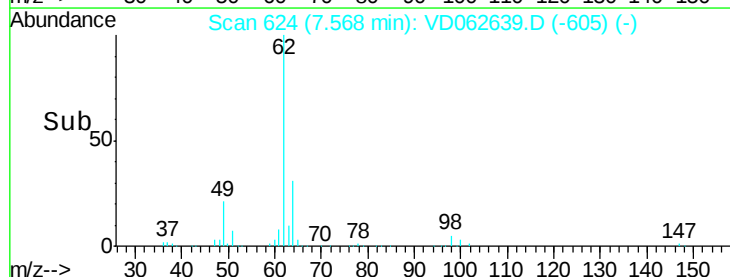
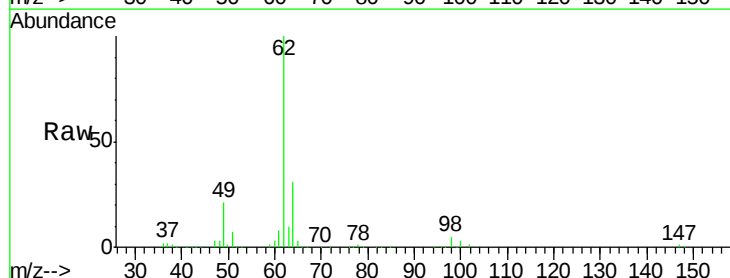
Delta R.T. -0.01 min

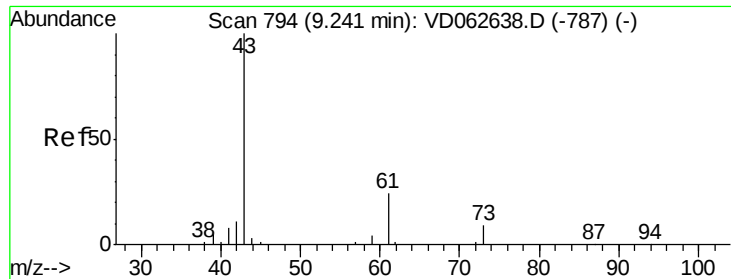
Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Tgt Ion: 62 Resp: 935105

Ion	Ratio	Lower	Upper
62	100		
98	5.3	0.0	7.4





#43

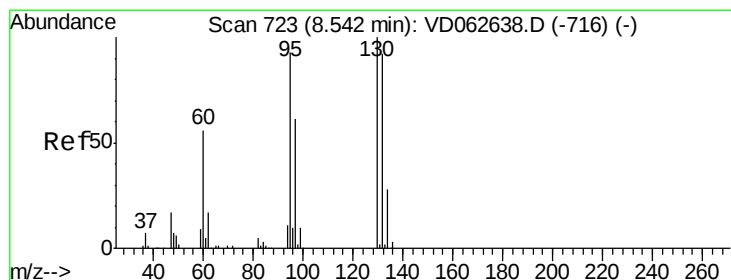
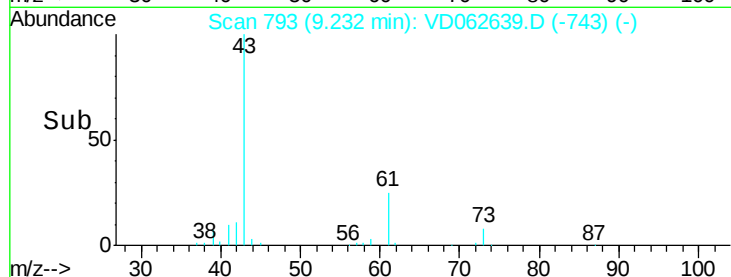
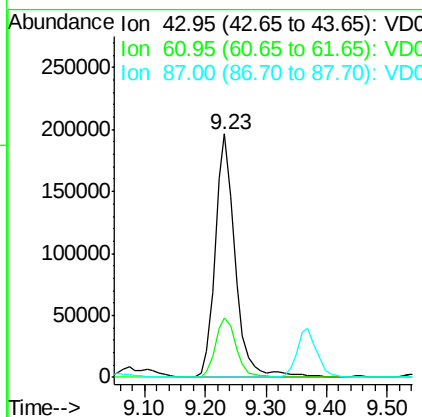
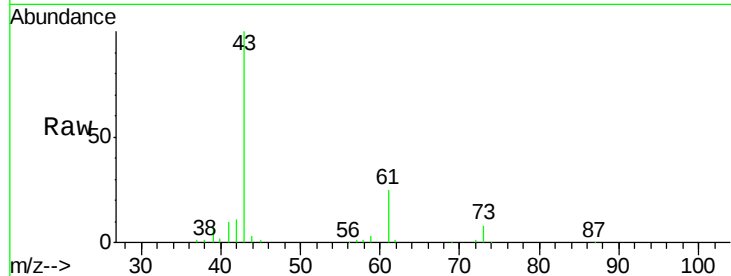
Isopropyl Acetate
 Concen: 74.987 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. -0.01 min
 Lab File: VD062639.D
 Acq: 7 Jun 2019 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	43	61	87
Resp	447291		
Ratio	100	24.6	0.4
Lower		19.0	0.3
Upper		28.6	0.5

Manual Integrations
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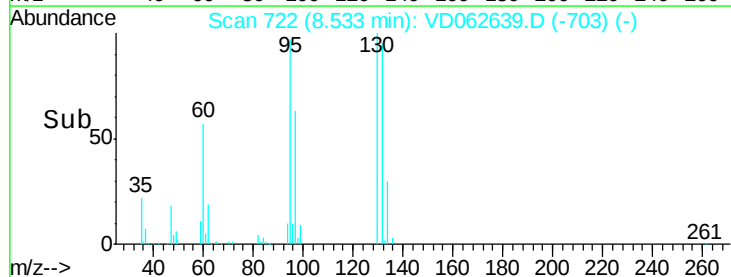
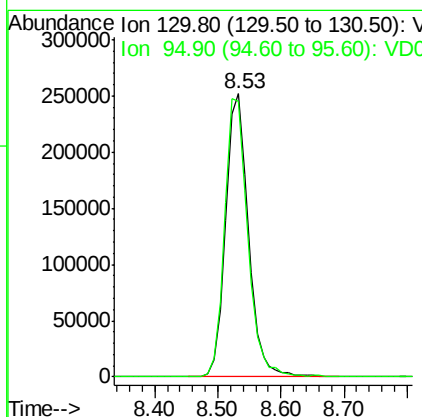
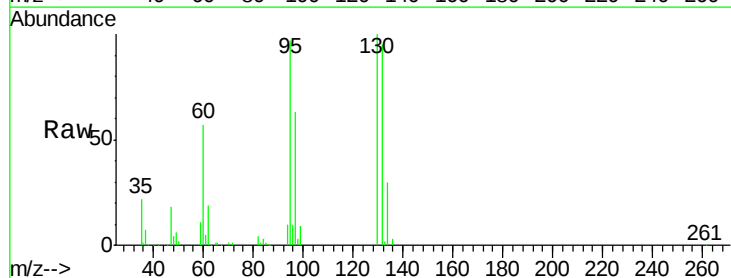
MMDadoda
 6/11/2019 2:17:22 AM



#44

Trichloroethene
 Concen: 68.821 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. -0.01 min
 Lab File: VD062639.D
 Acq: 7 Jun 2019 12:42

Tgt Ion	130	95
Resp	630573	
Ratio	100	97.3
Lower		0.0
Upper		185.6





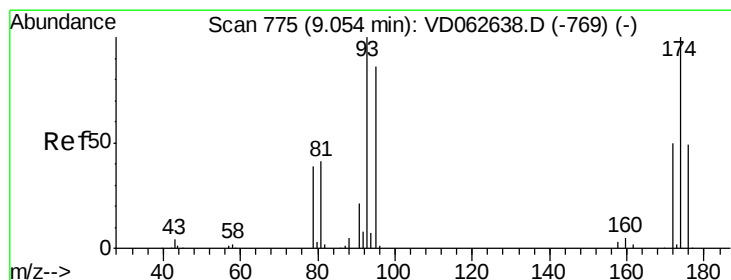
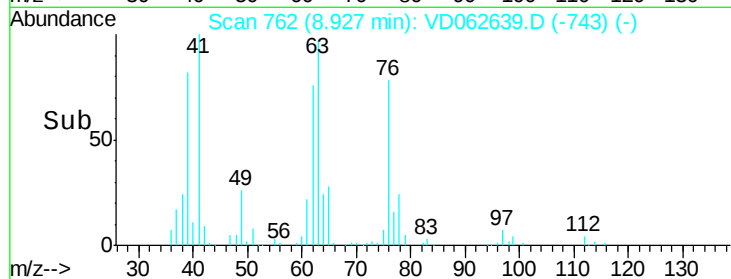
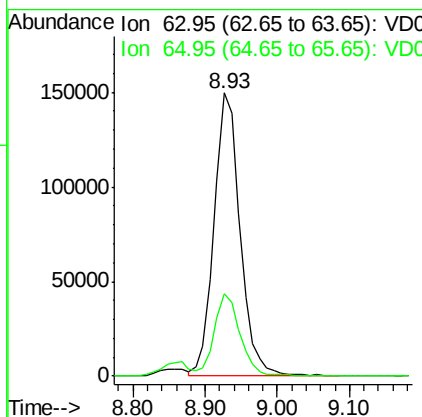
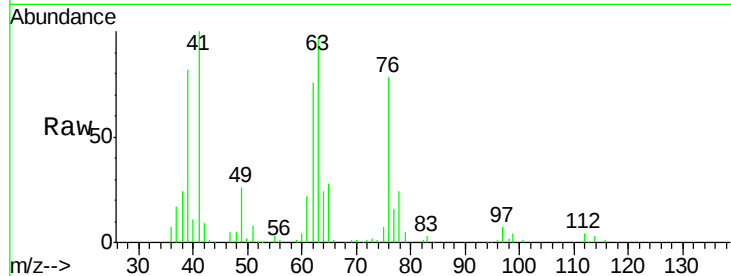
#45
 1,2-Dichloropropane
 Concen: 68.753 ug/l
 RT: 8.93 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: VD062639.D
 Acq: 7 Jun 2019 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion: 63 Resp: 370224
 Ion Ratio Lower Upper
 63 100
 65 28.9 24.6 37.0

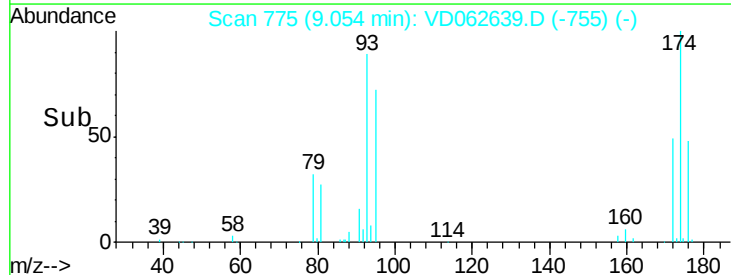
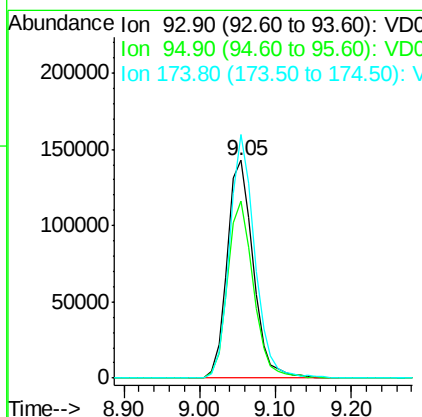
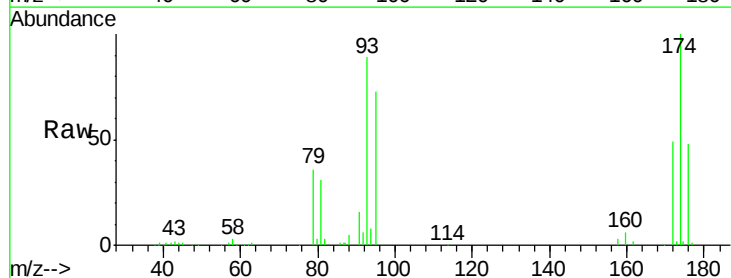
Manual Integrations
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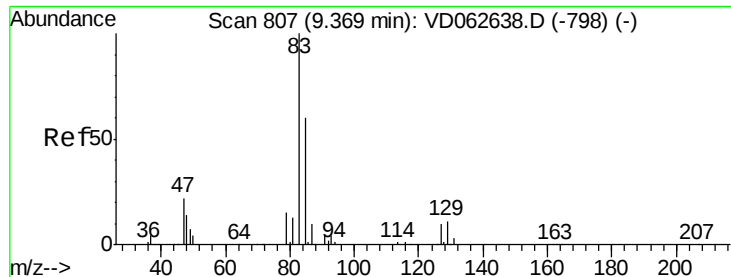
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 6/11/2019 2:17:22 AM



#46
 Dibromomethane
 Concen: 70.192 ug/l
 RT: 9.05 min Scan# 775
 Delta R.T. 0.00 min
 Lab File: VD062639.D
 Acq: 7 Jun 2019 12:42

Tgt Ion: 93 Resp: 338503
 Ion Ratio Lower Upper
 93 100
 95 81.2 68.7 103.1
 174 111.9 79.8 119.8





#47

Bromodichloromethane

Concen: 70.357 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Instrument :

MSVOA_D

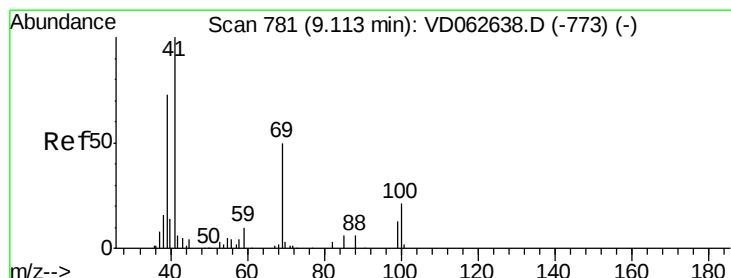
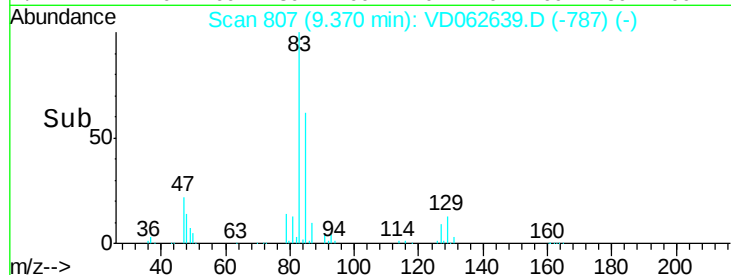
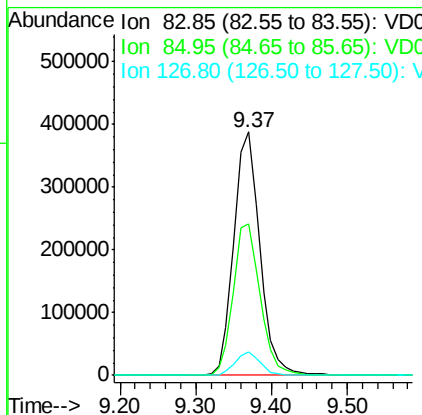
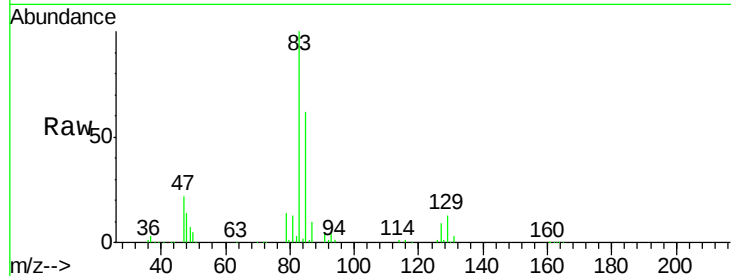
ClientSampleId :

VSTDIC075

Tot Ion:	83	Resp:	921194
Ion	Ratio	Lower	Upper
83	100		
85	62.1	47.9	71.9
127	9.5	8.2	12.4

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#48

Methyl methacrylate

Concen: 65.351 ug/l

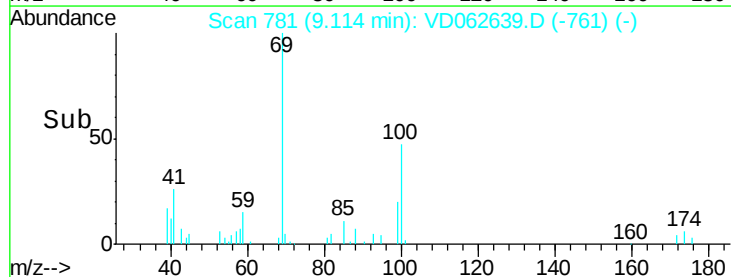
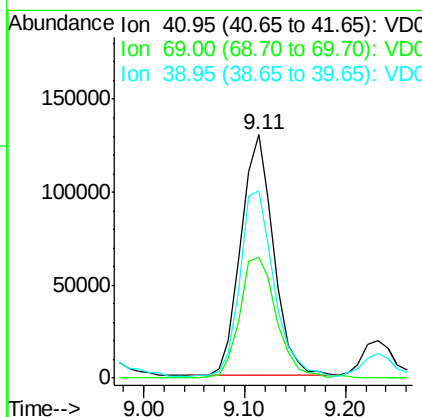
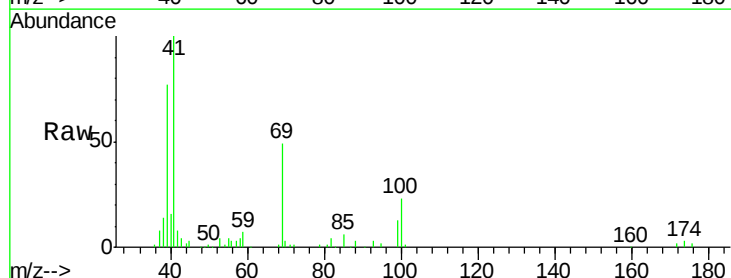
RT: 9.11 min Scan# 781

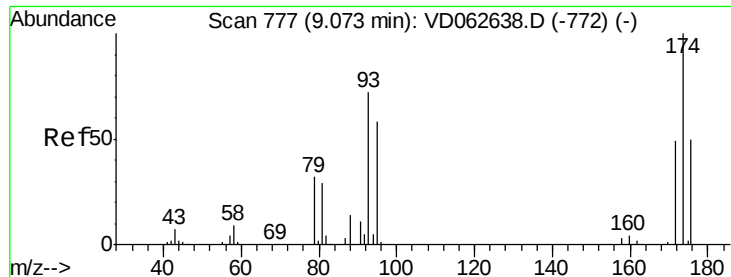
Delta R.T. 0.00 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Tgt Ion:	41	Resp:	290195
Ion	Ratio	Lower	Upper
41	100		
69	49.5	39.8	59.6
39	77.1	59.1	88.7





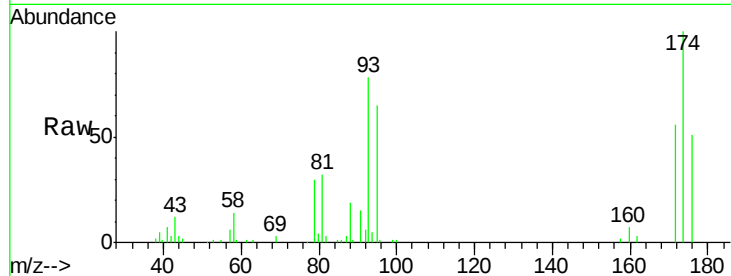
#49
1,4-Dioxane
Concen: 1318.470 ug/l
RT: 9.07 min Scan# 777
Delta R.T. 0.00 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

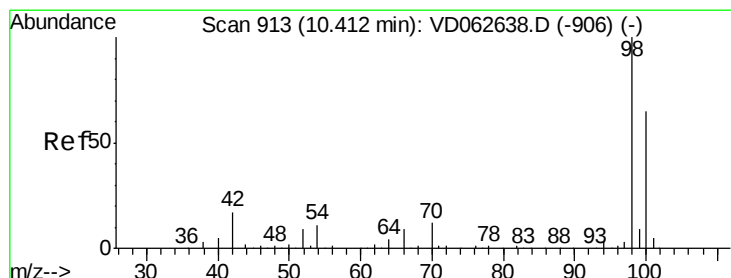
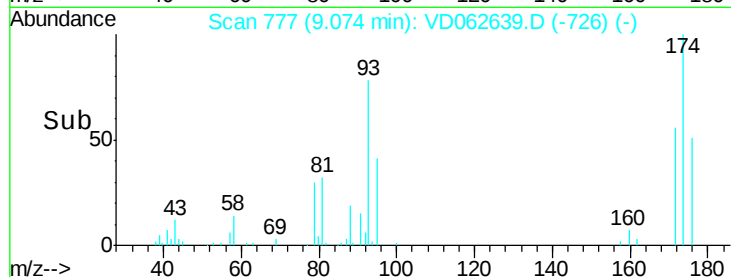
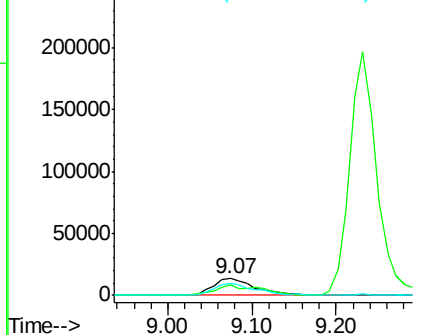
Tot Ion	88	Resp	46250
Ion Ratio	100	Lower	Upper
88	100		
43	60.3	40.7	61.1
58	73.7	54.2	81.4

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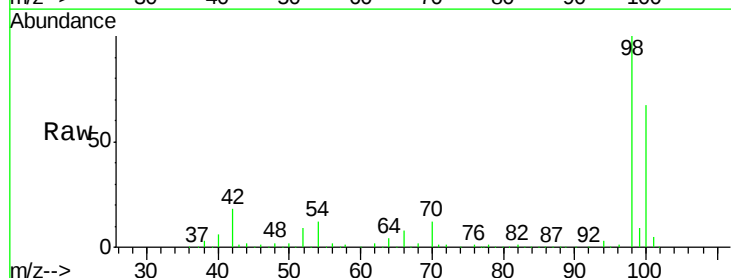


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

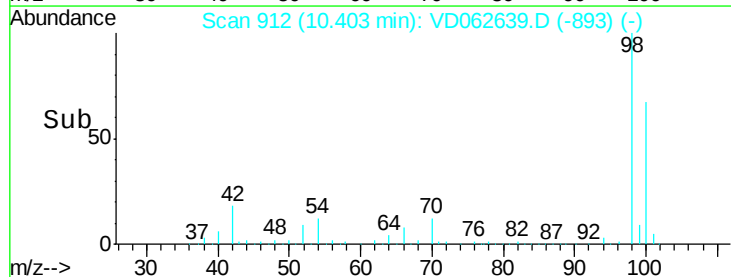
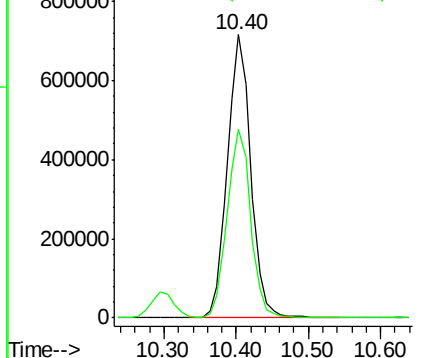


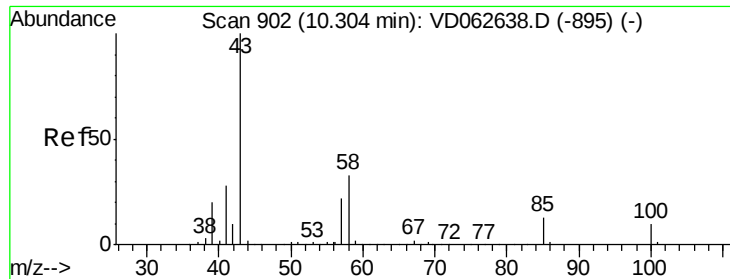
#50
Toluene-d8
Concen: 73.528 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Tgt Ion	98	Resp	1615802
Ion Ratio	100	Lower	Upper
98	100		
100	66.6	52.1	78.1



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: 349.752 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 1481364

Ion Ratio Lower Upper

43 100

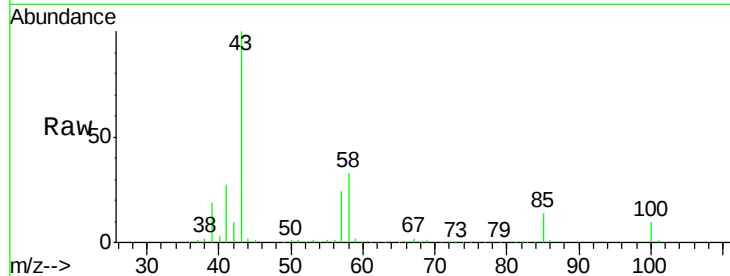
58 33.3 26.1 39.1

Manual Integrations

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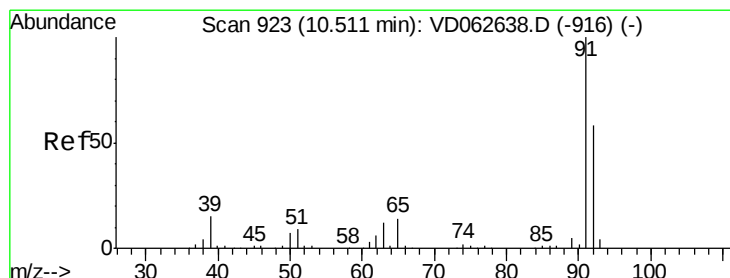
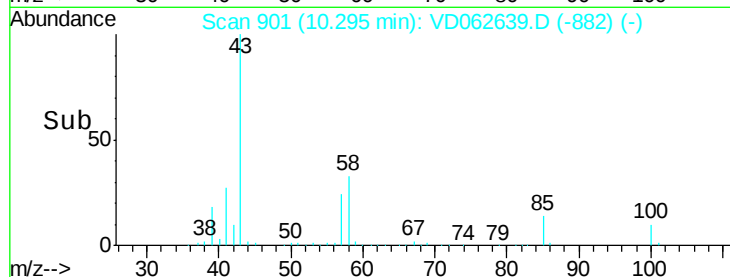
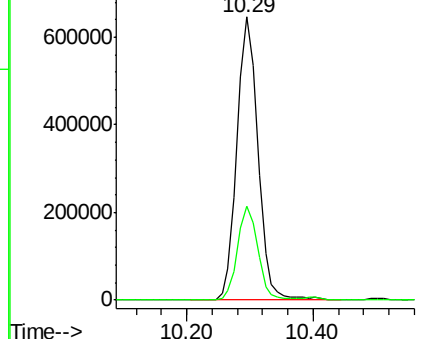
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 68.178 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.01 min

Lab File: VD062639.D

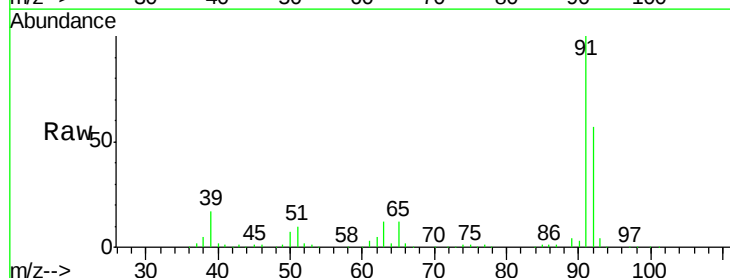
Acq: 7 Jun 2019 12:42

Tgt Ion: 92 Resp: 1035520

Ion Ratio Lower Upper

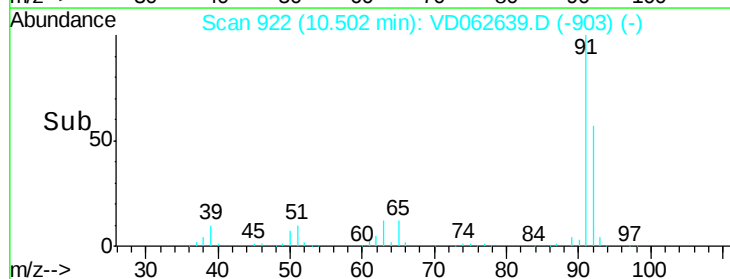
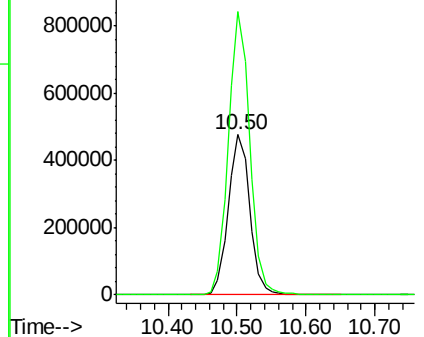
92 100

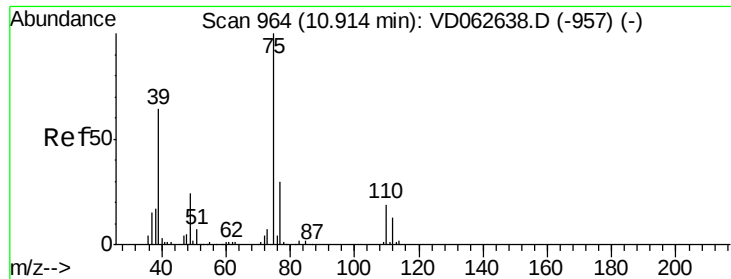
91 176.6 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





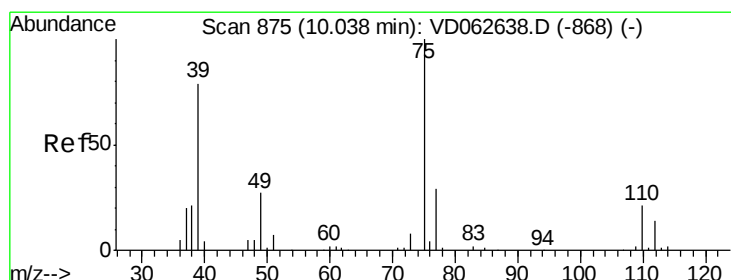
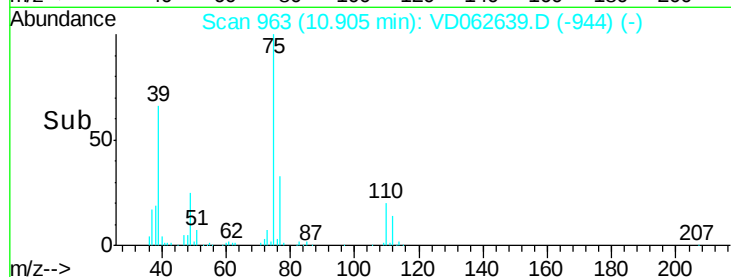
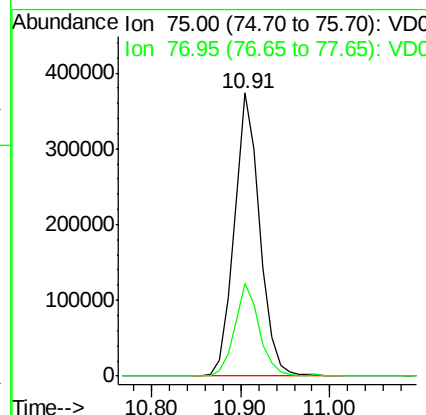
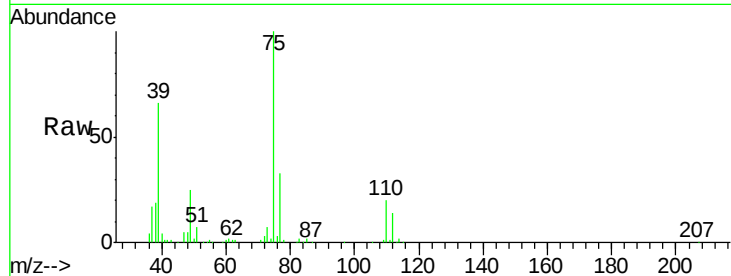
#53
 t-1,3-Dichloropropene
 Concen: 69.474 ug/l
 RT: 10.91 min Scan# 963
 Delta R.T. -0.01 min
 Lab File: VD062639.D
 Acq: 7 Jun 2019 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion: 75 Resp: 748747
 Ion Ratio Lower Upper
 75 100
 77 32.5 24.1 36.1

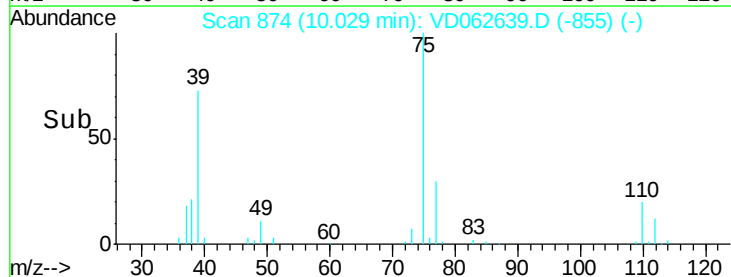
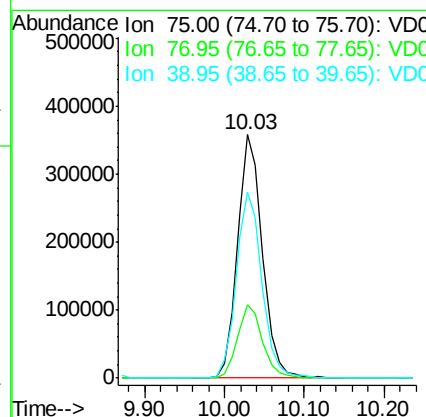
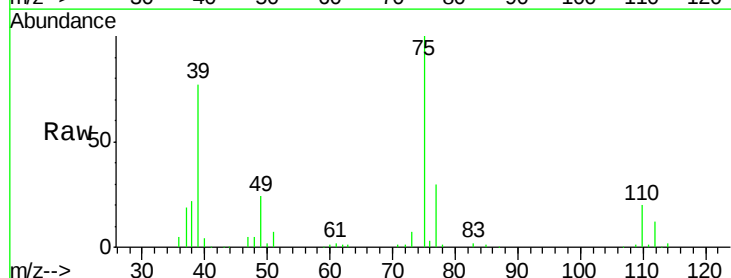
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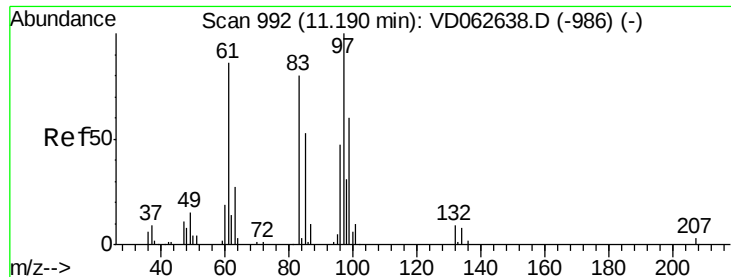
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#54
 cis-1,3-Dichloropropene
 Concen: 69.837 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. -0.01 min
 Lab File: VD062639.D
 Acq: 7 Jun 2019 12:42

Tgt Ion: 75 Resp: 778801
 Ion Ratio Lower Upper
 75 100
 77 29.9 23.1 34.7
 39 76.6 63.4 95.2





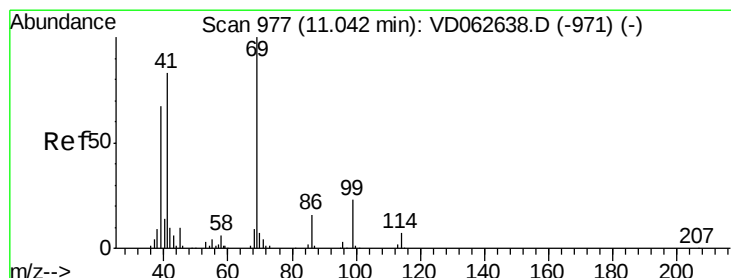
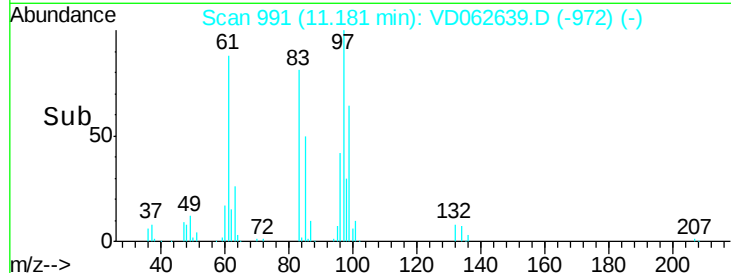
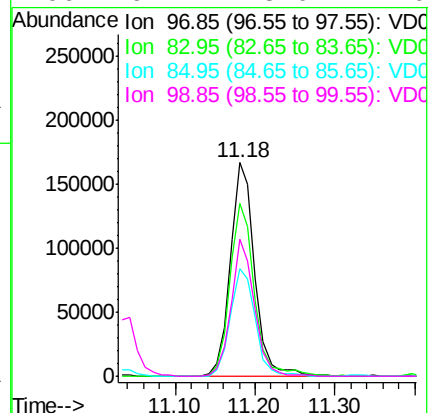
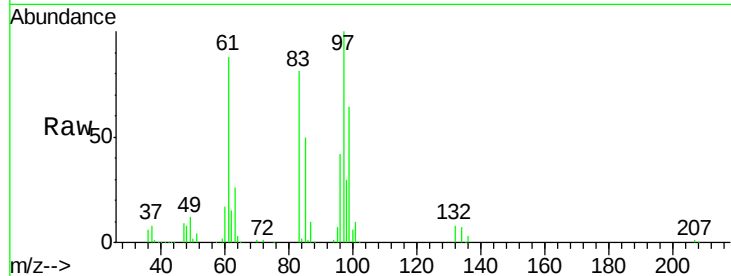
#55
 1,1,2-Trichloroethane
 Concen: 70.617 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: VD062639.D
 Acq: 7 Jun 2019 12:42

Instrument :
 MSVOA_D
 ClientSampled :
 VSTDIC075

Tot Ion:	97	Resp:	358388
Ion	Ratio	Lower	Upper
97	100		
83	80.9	63.8	95.8
85	50.4	42.3	63.5
99	64.2	48.0	72.0

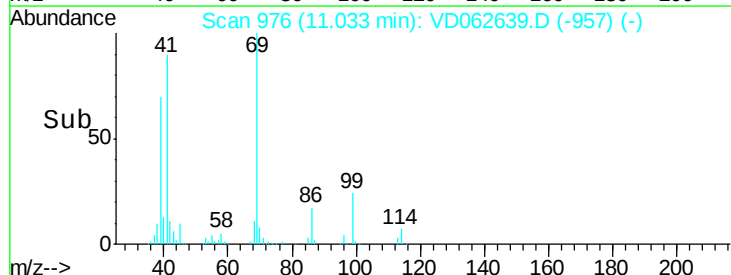
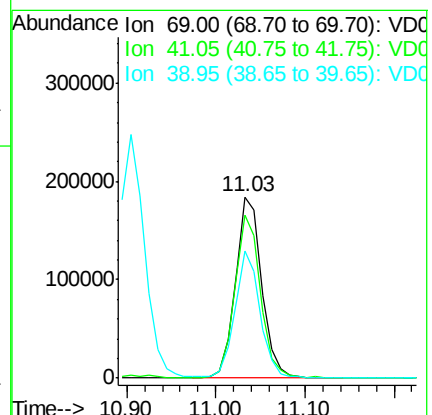
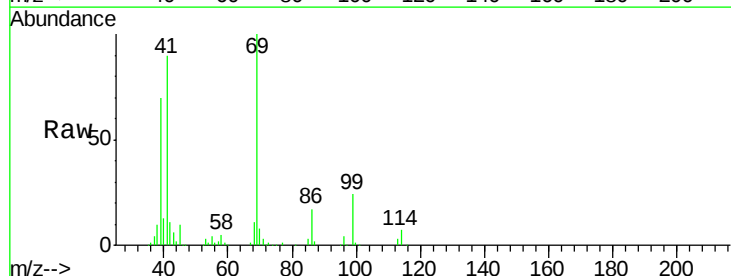
Manual Integrations
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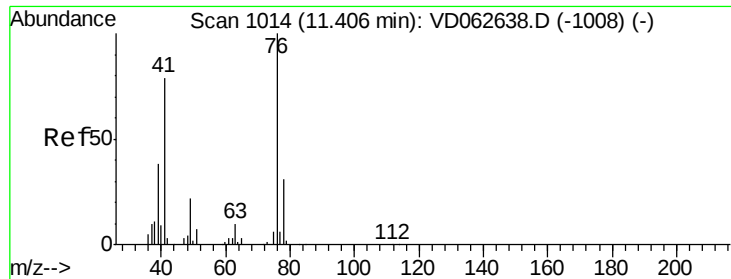
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#56
 Ethyl methacrylate
 Concen: 68.675 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. -0.01 min
 Lab File: VD062639.D
 Acq: 7 Jun 2019 12:42

Tgt Ion:	69	Resp:	380969
Ion	Ratio	Lower	Upper
69	100		
41	89.8	66.2	99.4
39	69.9	53.8	80.8





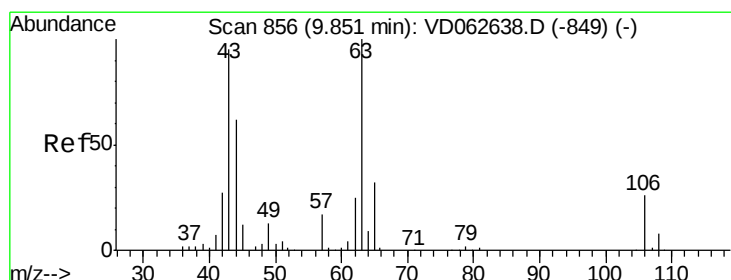
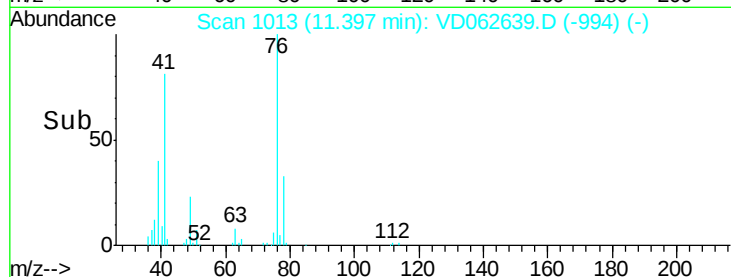
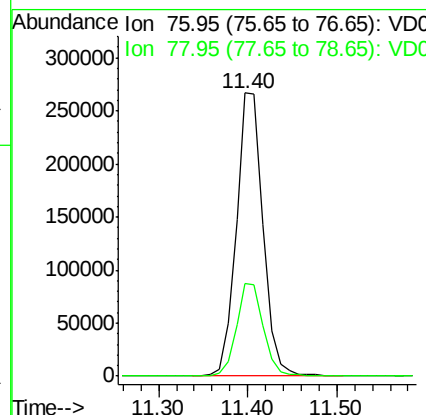
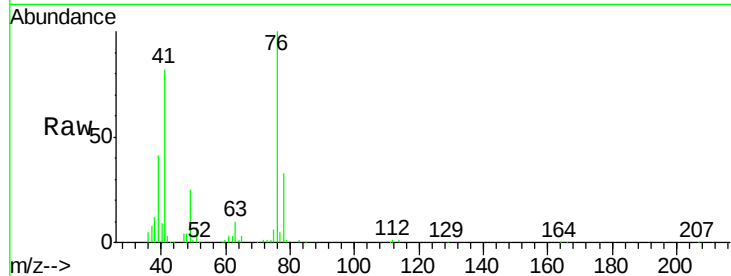
#57
 1,3-Dichloropropane
 Concen: 70.225 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VD062639.D
 Acq: 7 Jun 2019 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion: 76 Resp: 560510
 Ion Ratio Lower Upper
 76 100
 78 32.6 24.9 37.3

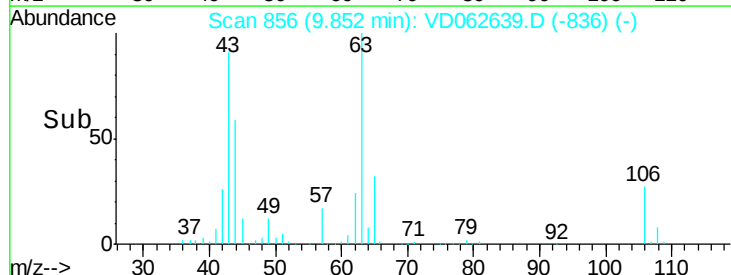
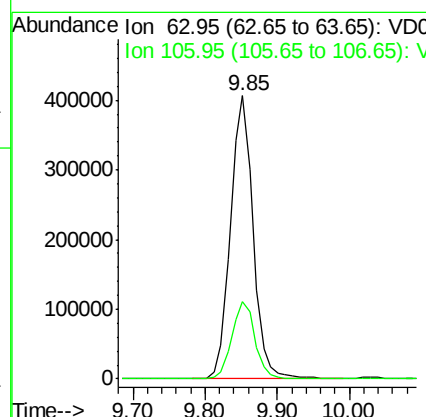
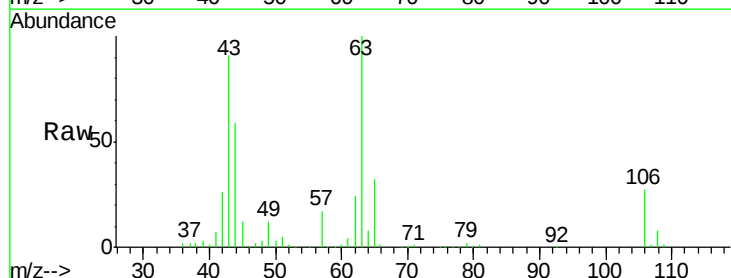
Manual Integrations
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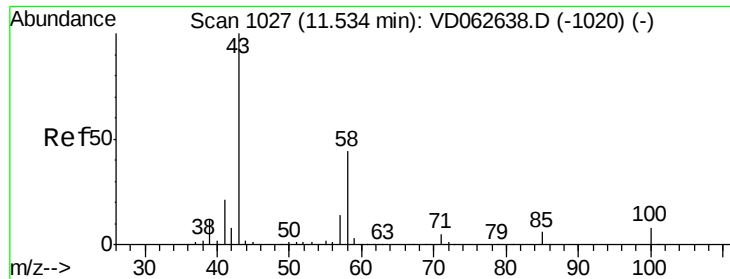
MMDadoda
 6/11/2019 2:17:22 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 316.547 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VD062639.D
 Acq: 7 Jun 2019 12:42

Tgt Ion: 63 Resp: 882538
 Ion Ratio Lower Upper
 63 100
 106 27.3 20.5 30.7





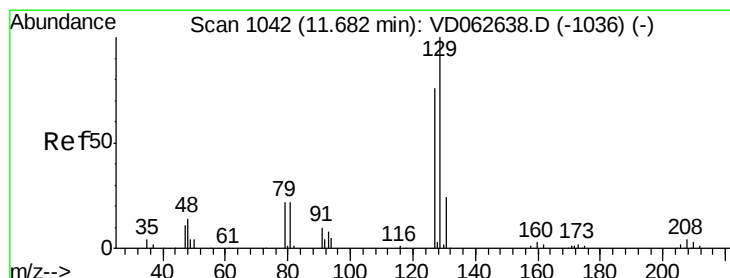
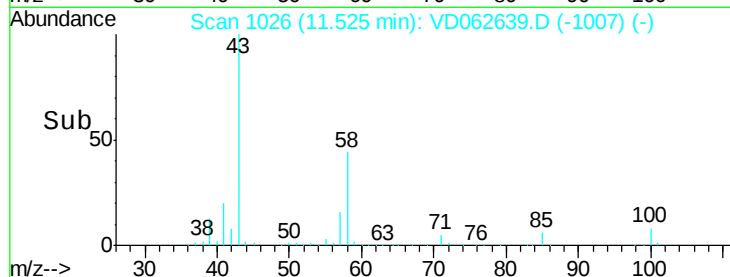
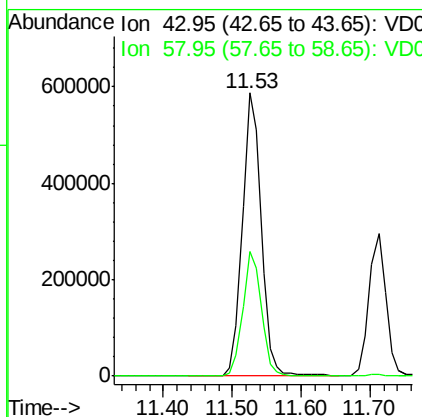
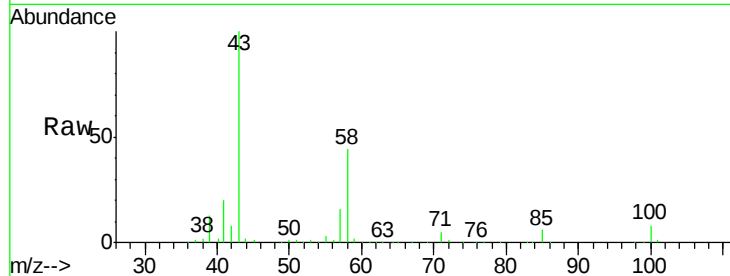
#59
2-Hexanone
Concen: 352.103 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 43 Resp: 1122542
Ion Ratio Lower Upper
43 100
58 44.2 21.8 65.4

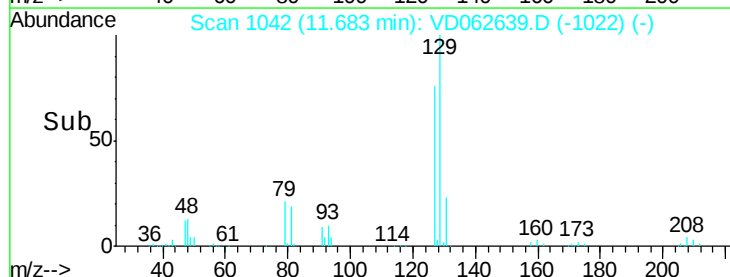
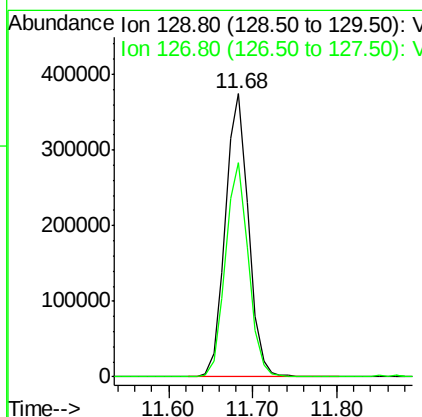
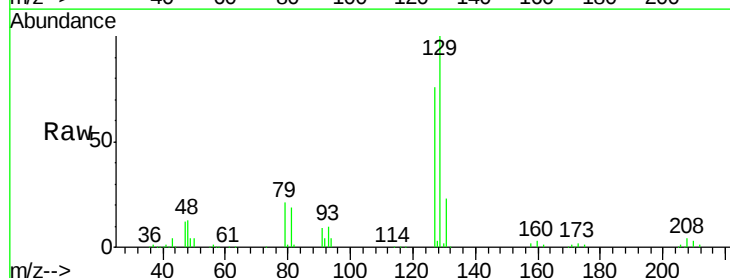
Manual Integrations
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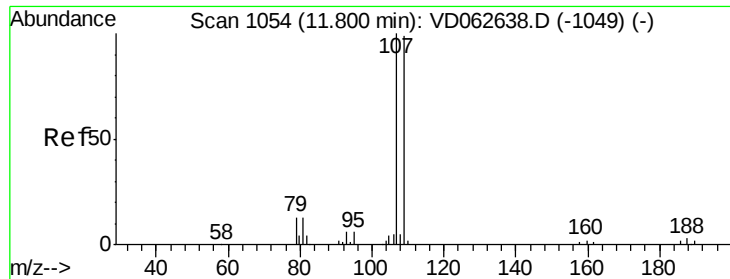
MMDadoda
6/11/2019 2:17:22 AM



#60
Dibromochloromethane
Concen: 70.931 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Tgt Ion: 129 Resp: 715013
Ion Ratio Lower Upper
129 100
127 75.7 38.0 114.1





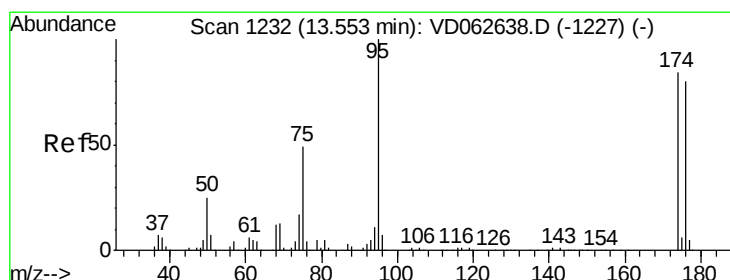
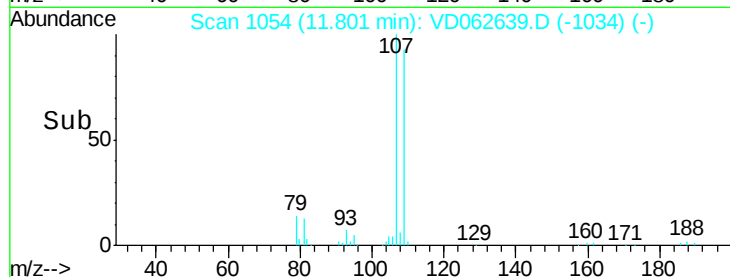
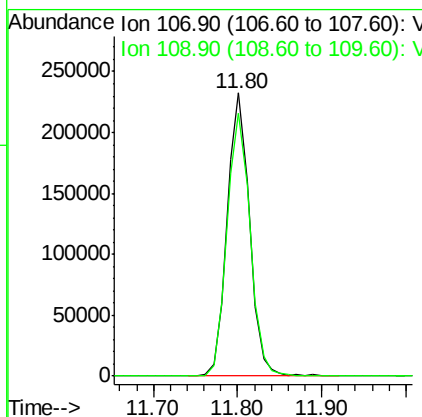
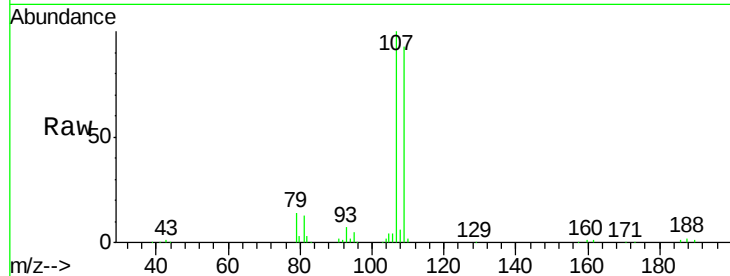
#61
1,2-Dibromoethane
Concen: 69.612 ug/l
RT: 11.80 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:107 Resp: 428449
Ion Ratio Lower Upper
107 100
109 93.1 79.2 118.8

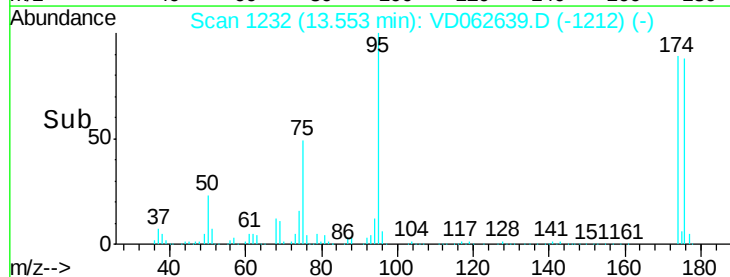
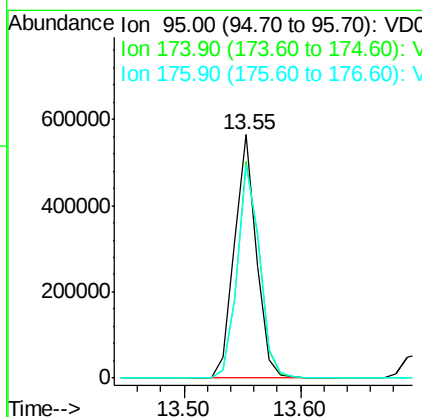
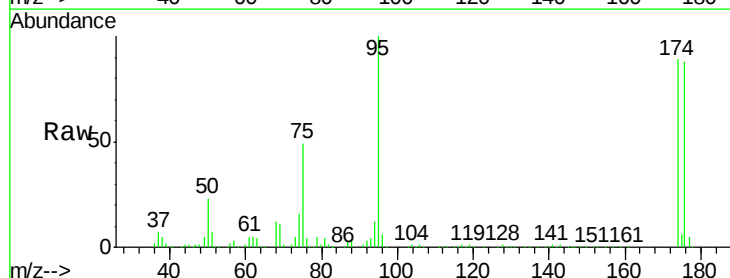
Manual Integrations
APPROVED

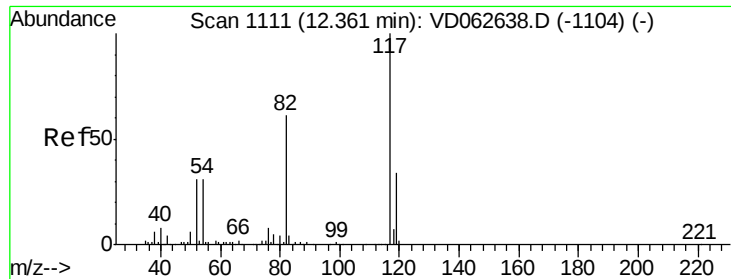
MMDadoda
6/11/2019 2:17:22 AM



#62
4-Bromofluorobenzene
Concen: 70.576 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Tgt Ion: 95 Resp: 735825
Ion Ratio Lower Upper
95 100
174 88.8 0.0 167.0
176 87.6 0.0 159.2





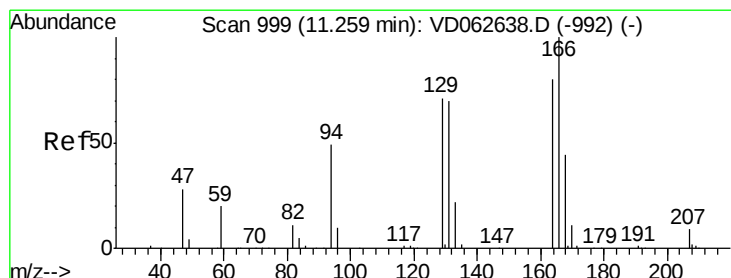
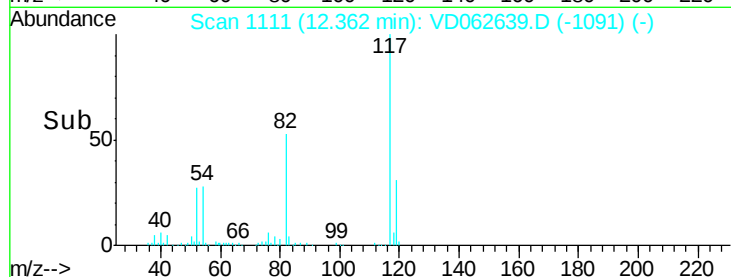
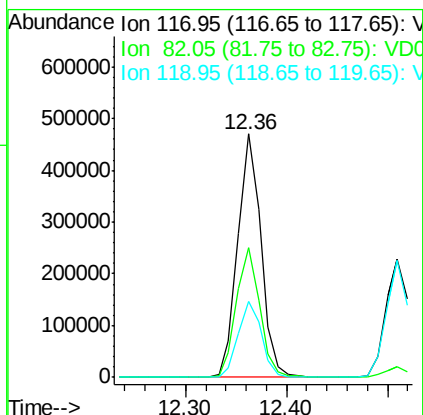
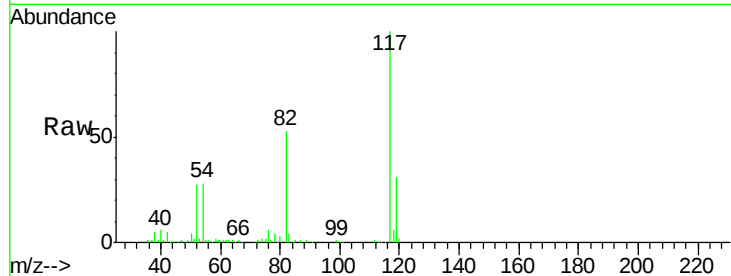
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	48.7	73.1
119	31.1	27.0	40.6

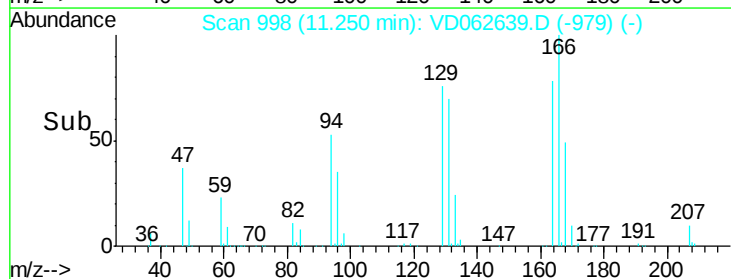
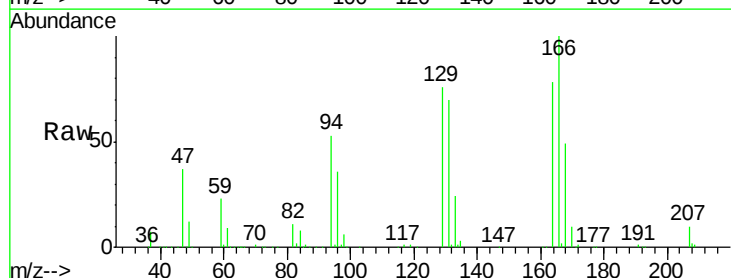
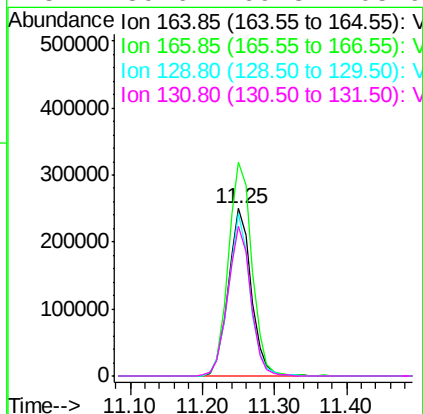
Manual Integrations
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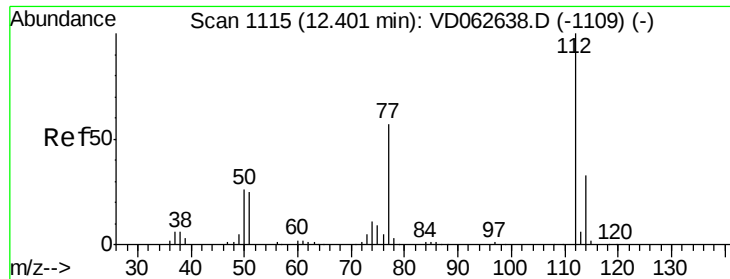
MMDadoda
6/11/2019 2:17:22 AM



#64
Tetrachloroethene
Concen: 76.647 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.01 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	99.4	149.2
129	97.1	70.2	105.4
131	89.6	69.3	103.9





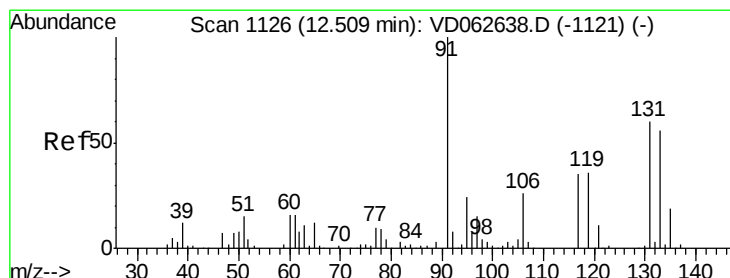
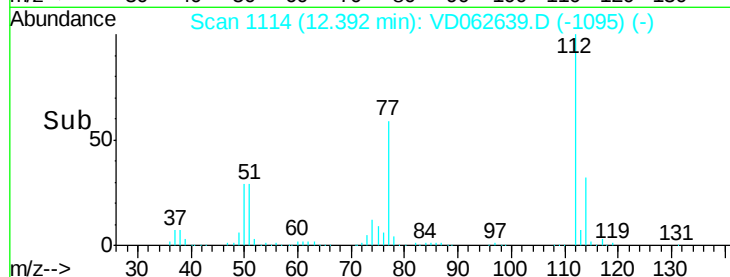
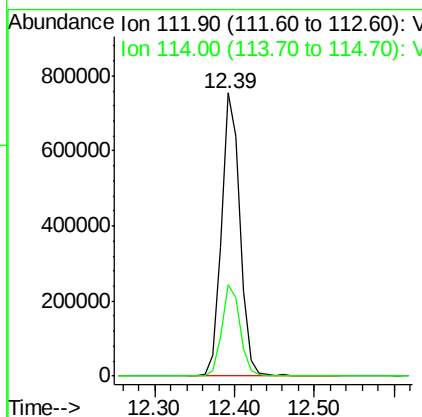
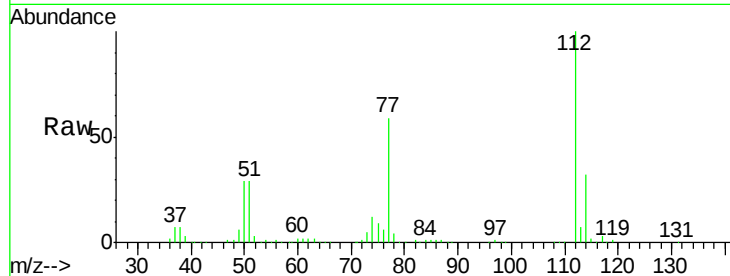
#65
Chlorobenzene
Concen: 72.686 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:112 Resp: 1234401
Ion Ratio Lower Upper
112 100
114 32.4 26.3 39.5

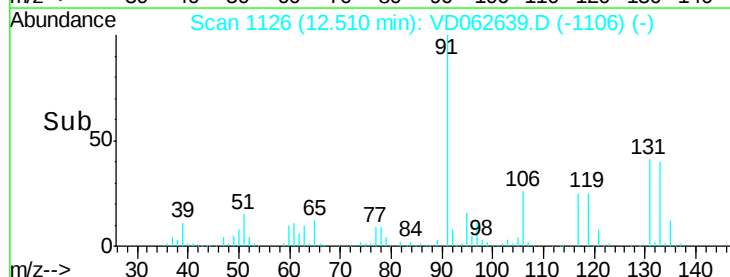
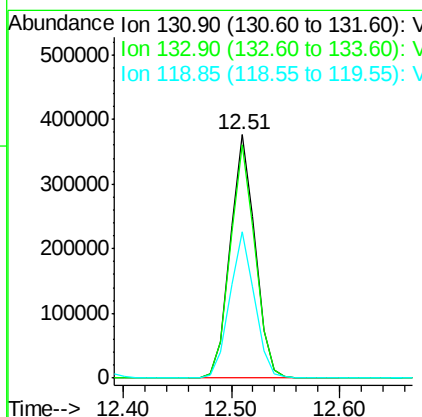
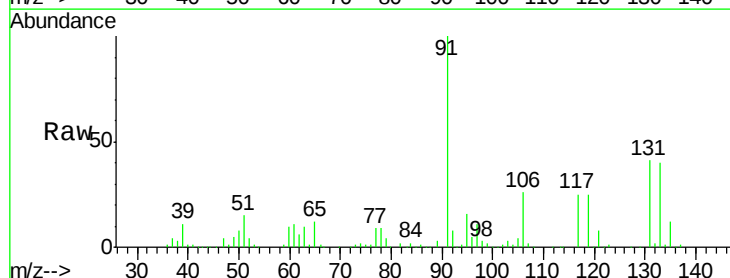
Manual Integrations
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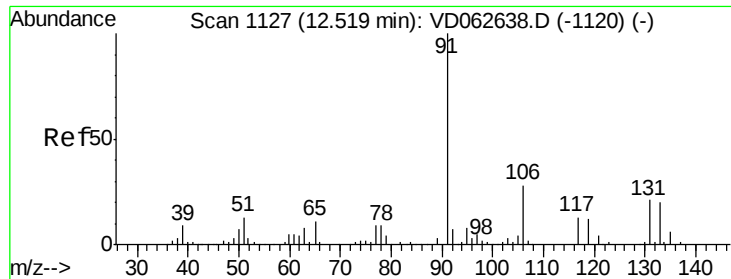
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 74.013 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Tgt Ion:131 Resp: 602300
Ion Ratio Lower Upper
131 100
133 95.7 46.8 140.3
119 59.9 29.9 89.8





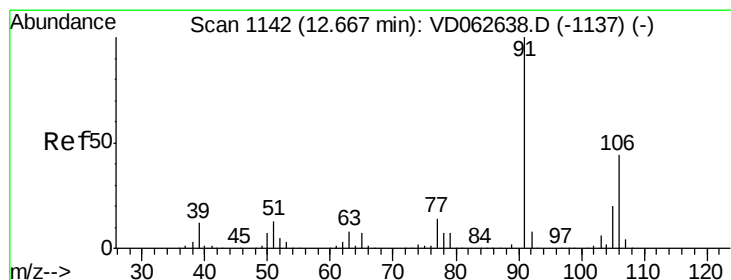
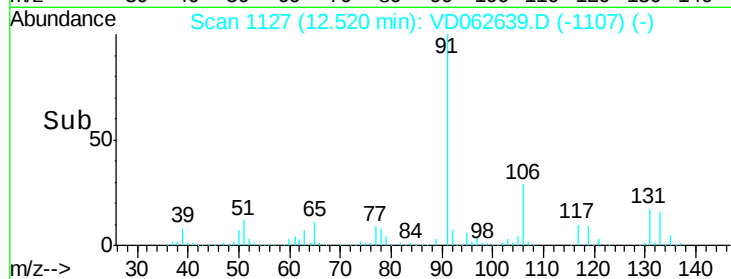
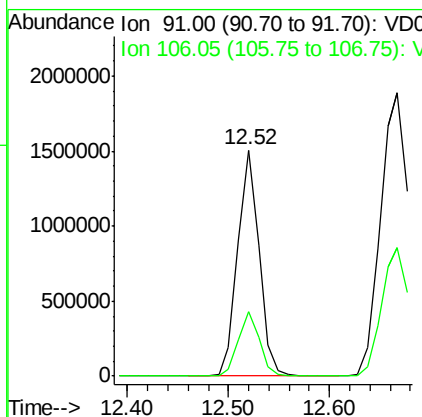
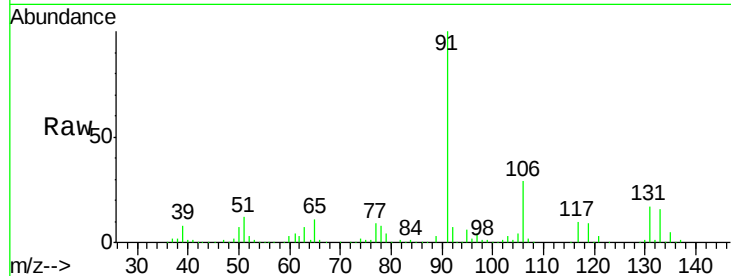
#67
Ethyl Benzene
Concen: 73.650 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 91 Resp: 2223689
Ion Ratio Lower Upper
91 100
106 28.8 22.1 33.1

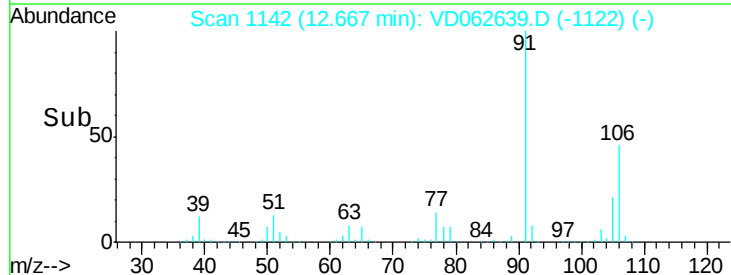
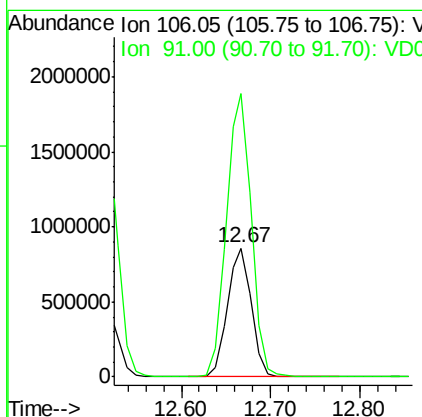
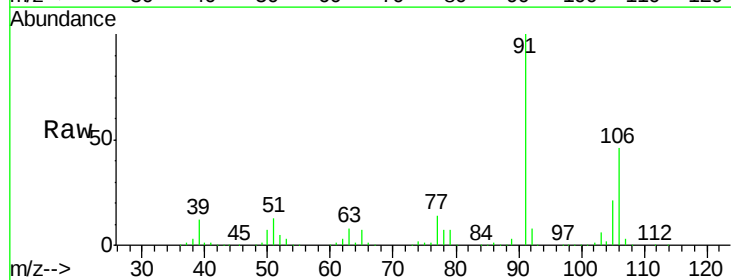
Manual Integrations
APPROVED

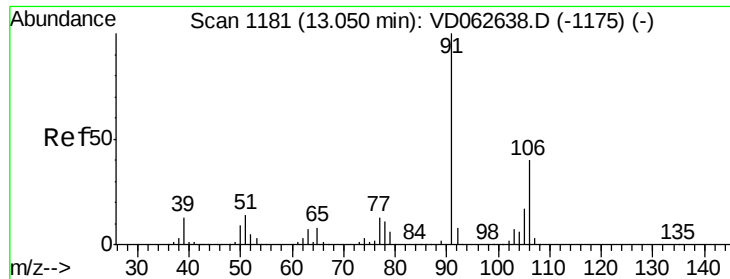
MMDadoda
6/11/2019 2:17:22 AM



#68
m/p-Xylenes
Concen: 153.560 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Tgt Ion: 106 Resp: 1626743
Ion Ratio Lower Upper
106 100
91 219.3 180.2 270.4





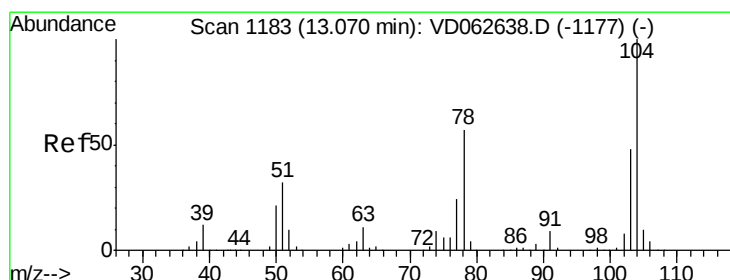
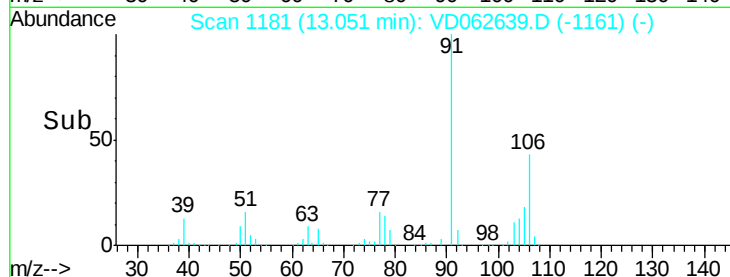
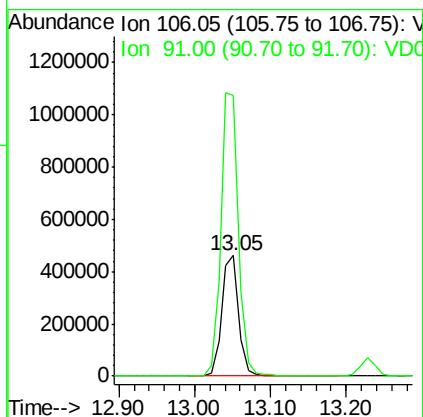
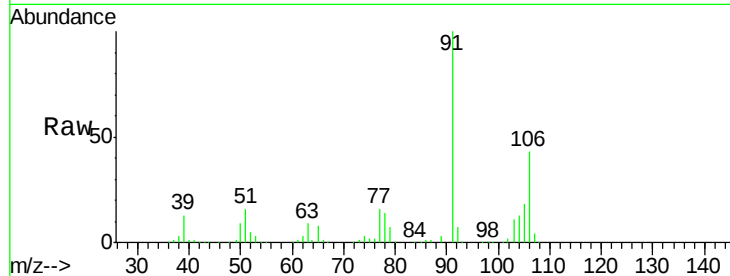
#69
o-Xylene
Concen: 71.513 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:106 Resp: 711085
Ion Ratio Lower Upper
106 100
91 232.9 124.1 372.1

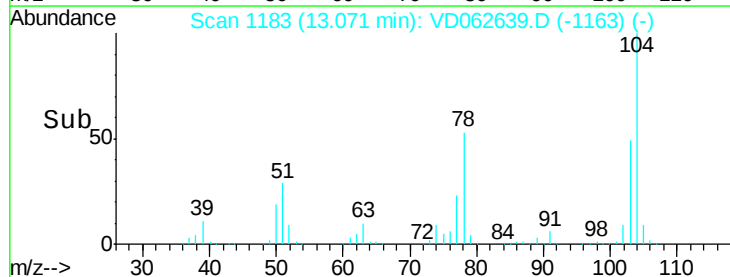
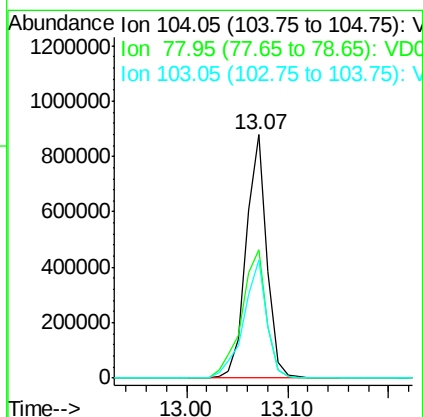
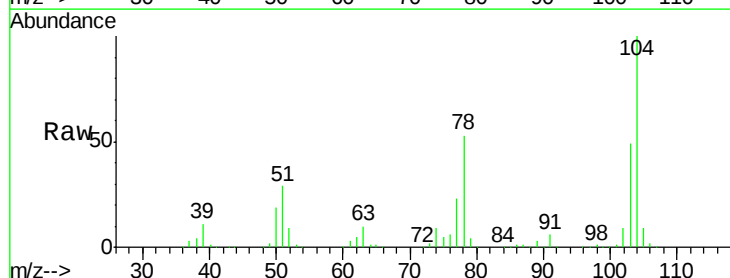
Manual Integrations
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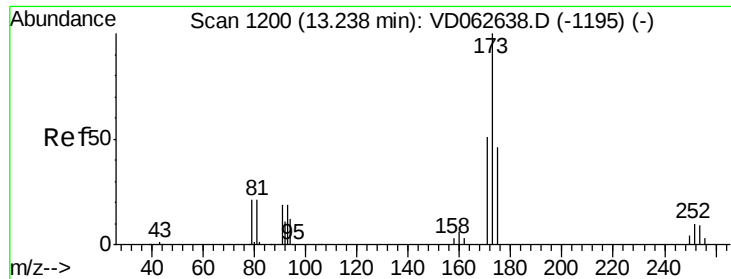
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#70
Styrene
Concen: 70.735 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Tgt Ion:104 Resp: 1254141
Ion Ratio Lower Upper
104 100
78 52.8 45.9 68.9
103 48.7 38.4 57.6





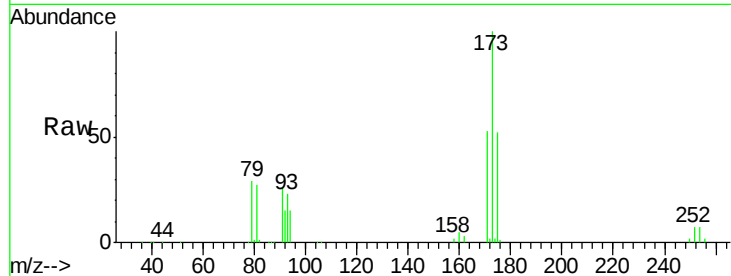
#71
Bromoform
Concen: 74.421 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. -0.01 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

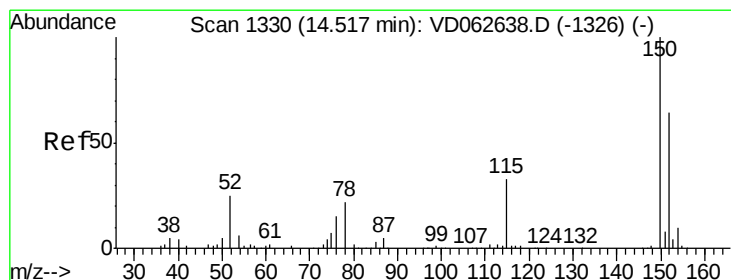
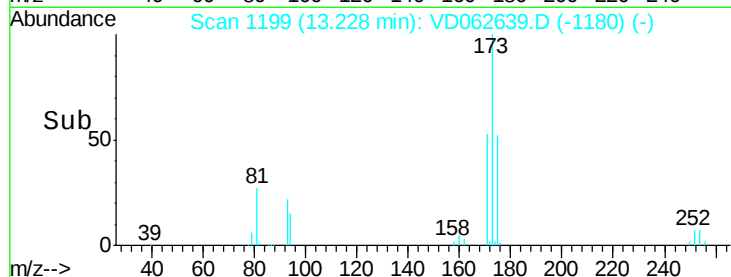
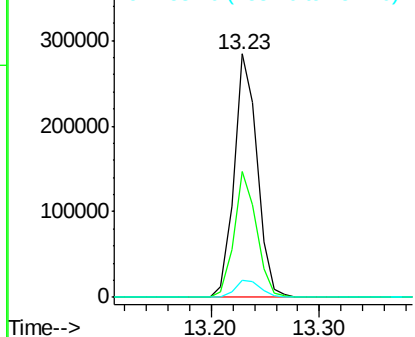
Tot Ion	Ratio	Lower	Upper
173	100		
175	51.9	22.9	68.7
254	6.9	7.0	10.4

Manual Integrations
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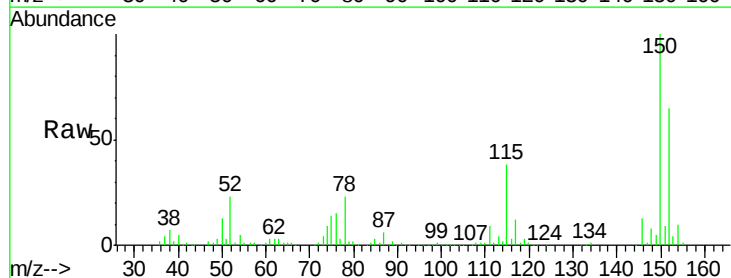


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

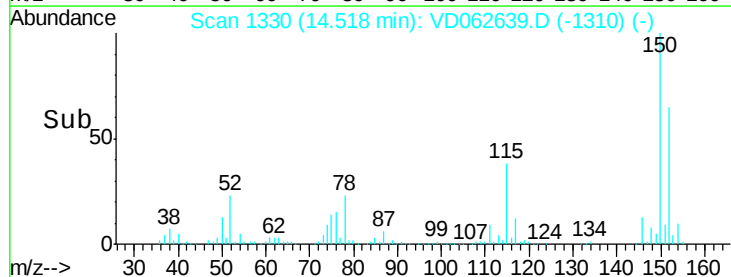
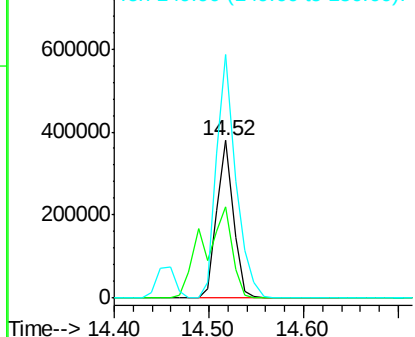


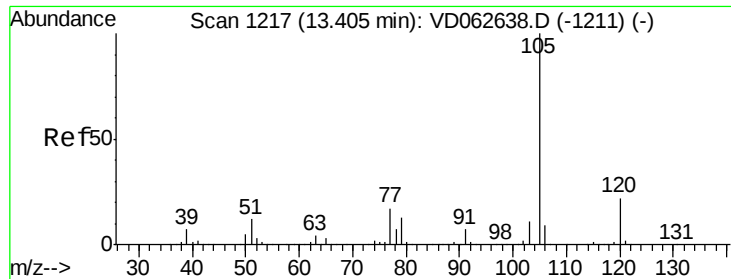
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.1	30.1	90.5
150	154.4	0.0	314.0



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





#73

Isopropylbenzene

Concen: 68.683 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:105 Resp: 2315999

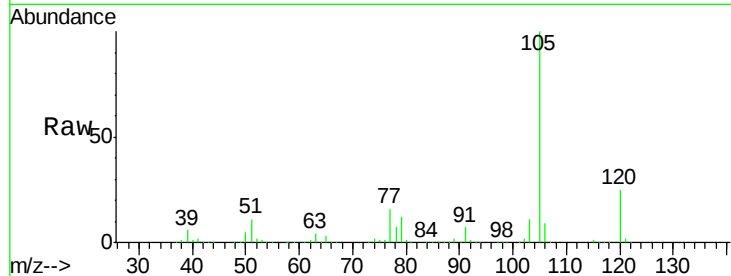
Ion Ratio Lower Upper

105 100

120 24.5 10.9 32.7

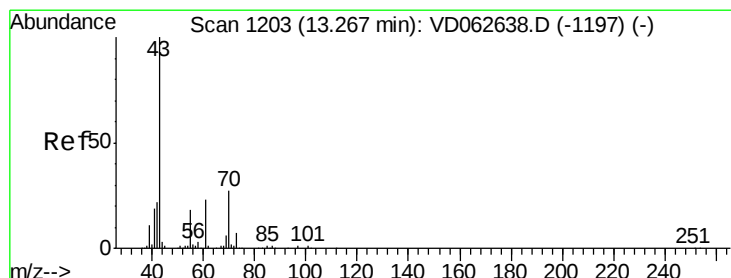
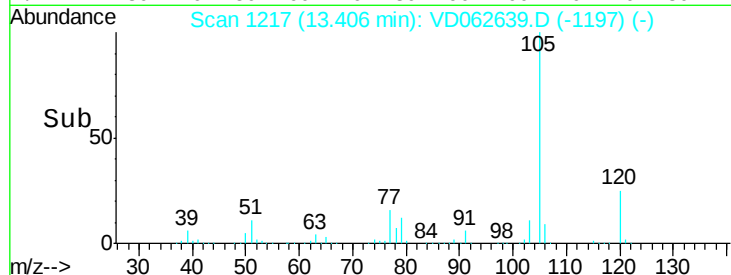
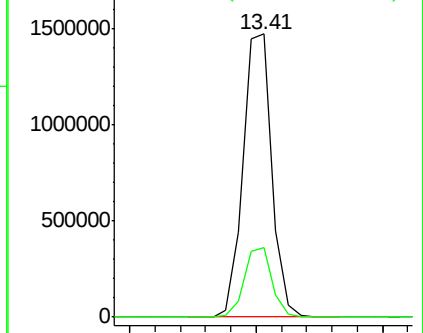
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 70.100 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Tgt Ion: 43 Resp: 636454

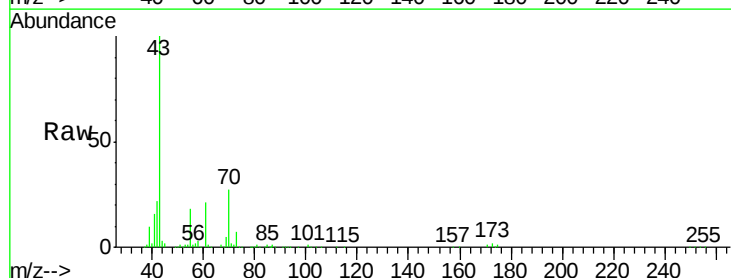
Ion Ratio Lower Upper

43 100

70 27.3 21.8 32.8

55 17.5 14.6 21.8

61 21.5 18.4 27.6

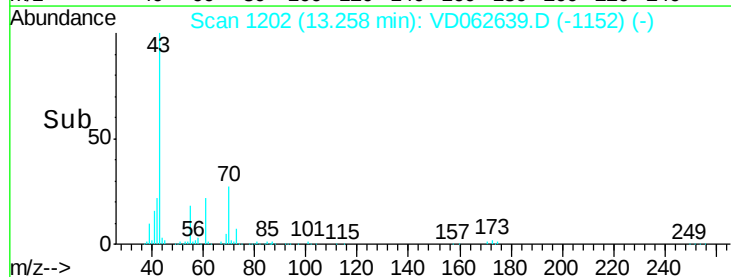
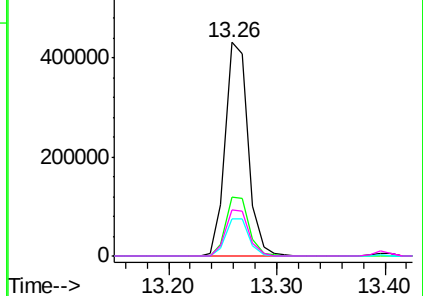


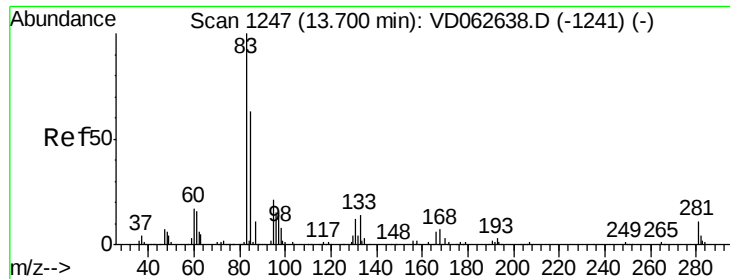
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 68.944 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 83 Resp: 393334
Ion Ratio Lower Upper

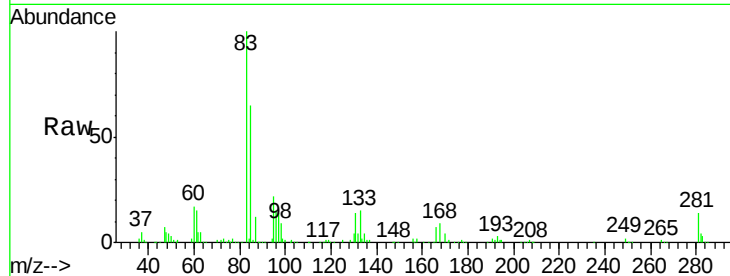
83 100

131 14.2 5.9 17.7

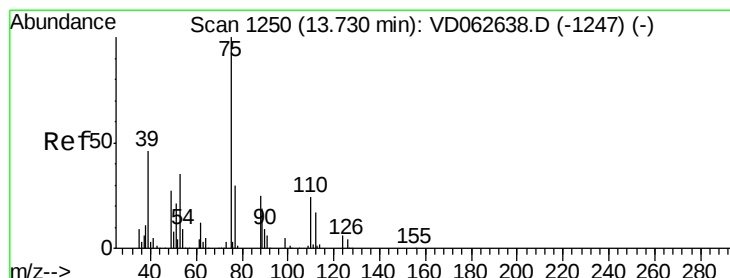
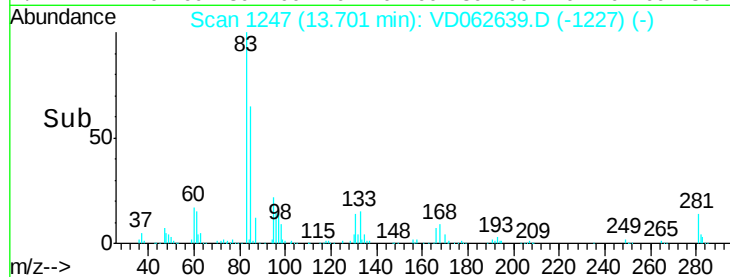
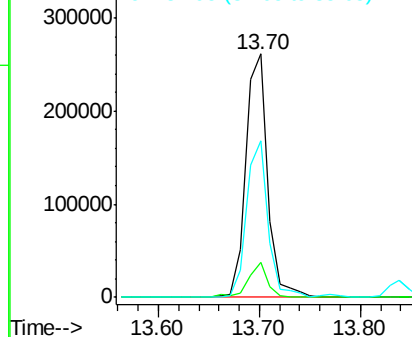
85 64.6 31.3 93.9

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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: 65.997 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

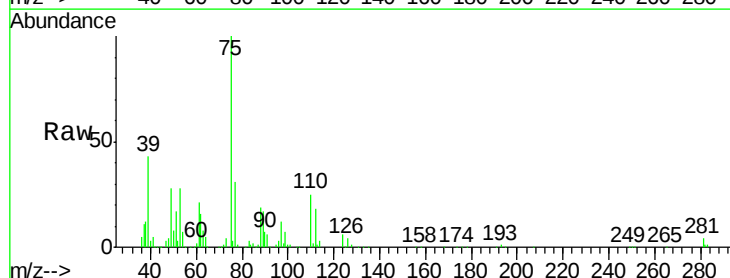
Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

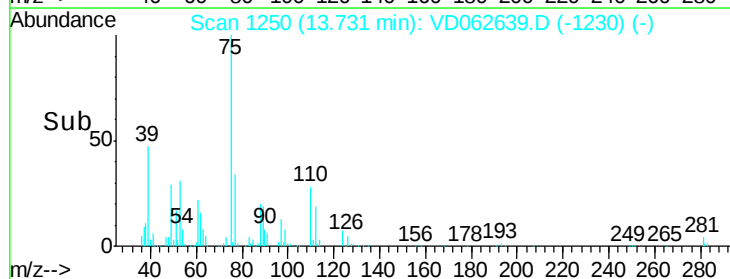
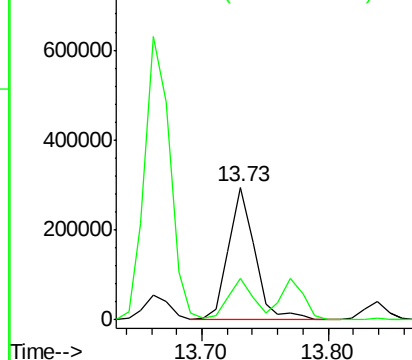
Tgt Ion: 75 Resp: 421661
Ion Ratio Lower Upper

75 100

77 31.2 16.2 48.6



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





#77

Bromobenzene

Concen: 69.104 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

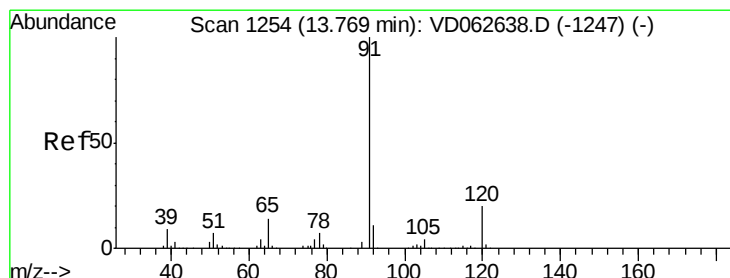
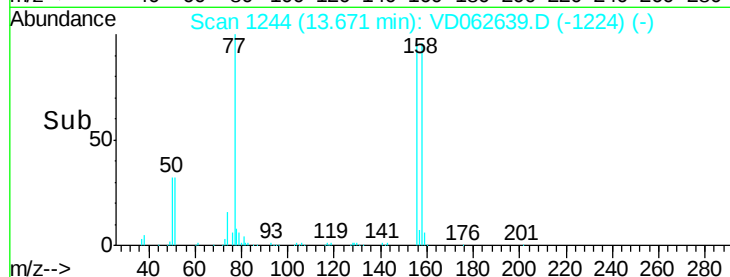
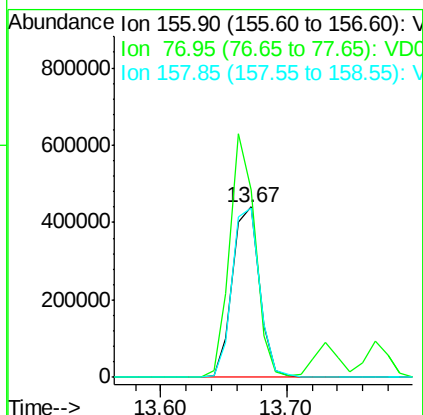
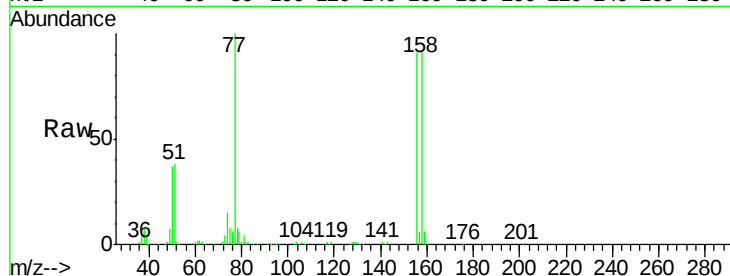
VSTDIC075

Tot Ion:156 Resp: 655623

Ion	Ratio	Lower	Upper
156	100		
77	110.1	56.3	168.8
158	99.7	49.6	148.8

Manual Integrations
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#78

n-propylbenzene

Concen: 63.883 ug/l

RT: 13.77 min Scan# 1254

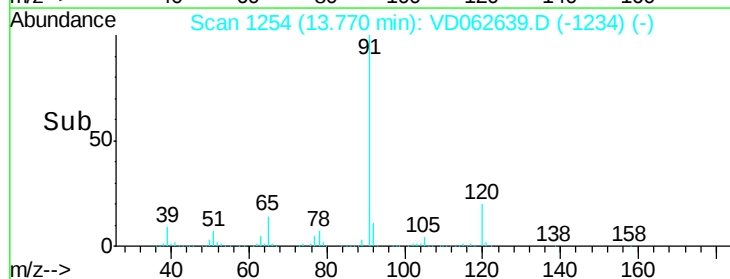
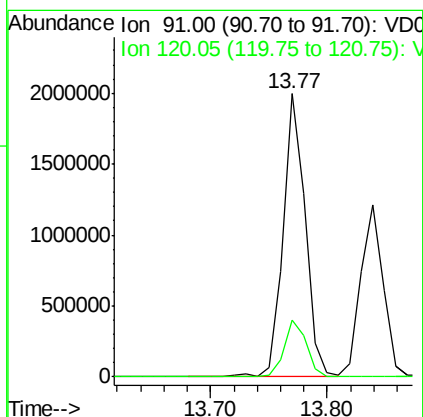
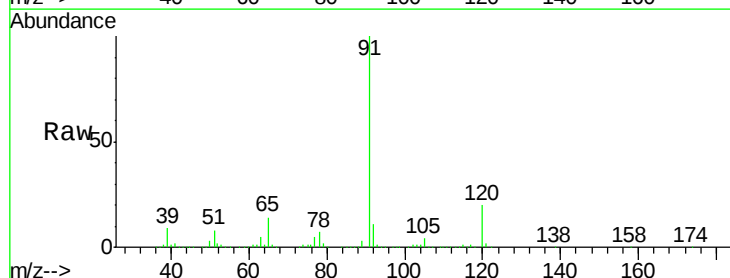
Delta R.T. 0.00 min

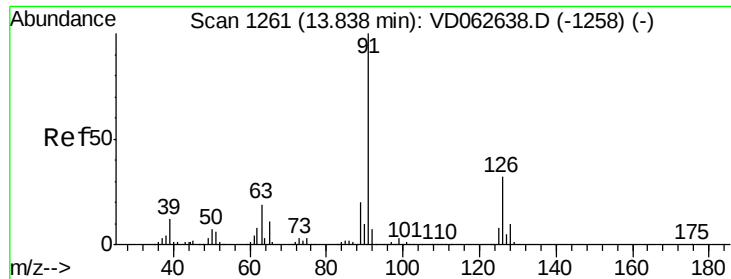
Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Tgt Ion: 91 Resp: 2607690

Ion	Ratio	Lower	Upper
91	100		
120	20.1	9.8	29.5





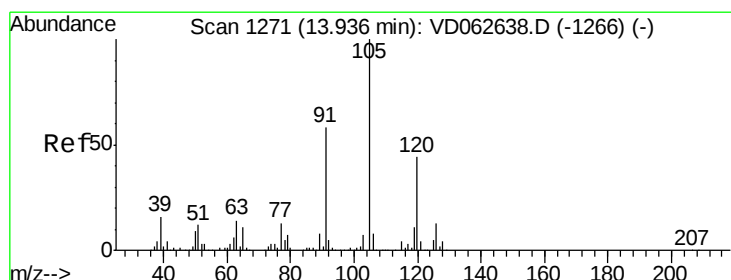
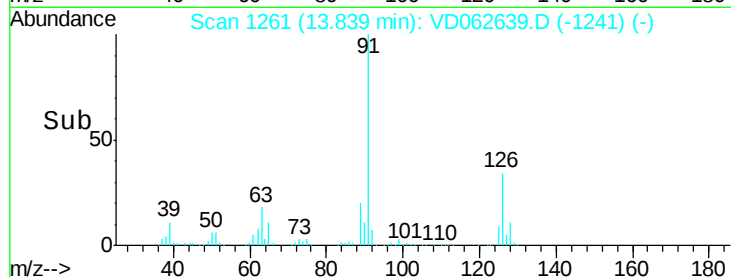
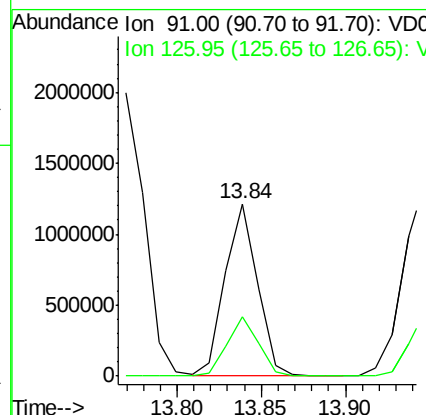
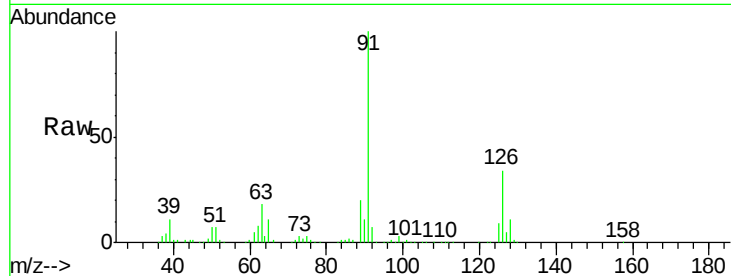
#79
 2-Chlorotoluene
 Concen: 68.107 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VD062639.D
 Acq: 7 Jun 2019 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion: 91 Resp: 1621935
 Ion Ratio Lower Upper
 91 100
 126 34.3 15.8 47.4

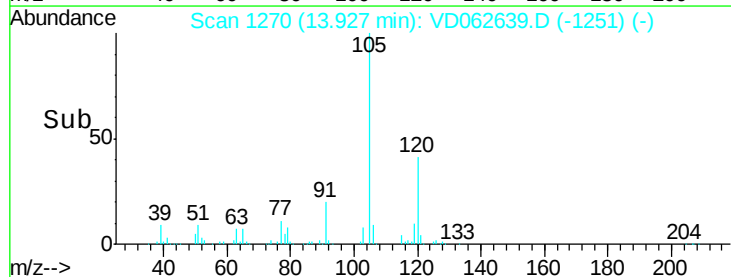
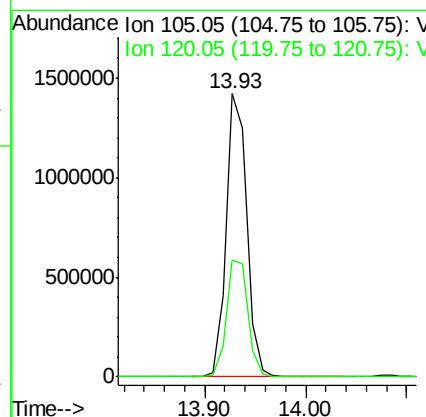
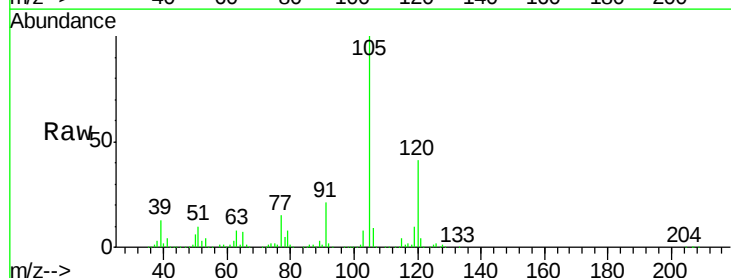
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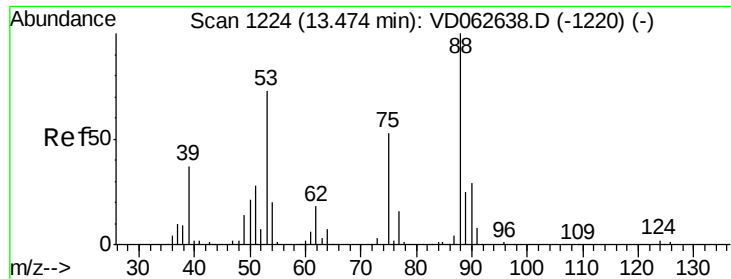
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 68.549 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VD062639.D
 Acq: 7 Jun 2019 12:42

Tgt Ion: 105 Resp: 2017426
 Ion Ratio Lower Upper
 105 100
 120 41.3 22.1 66.5





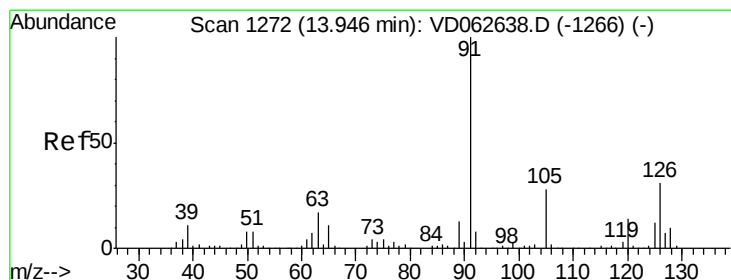
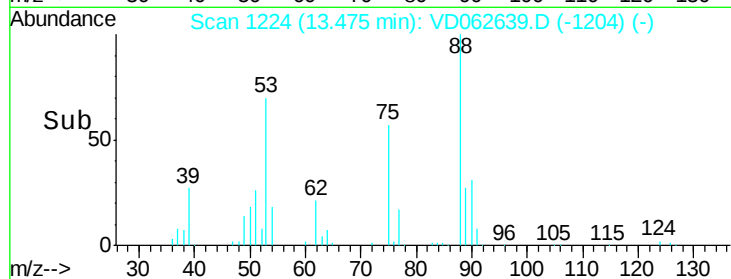
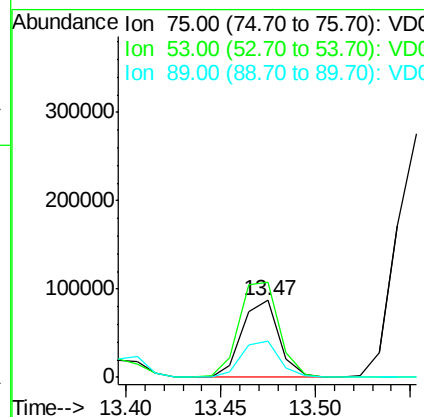
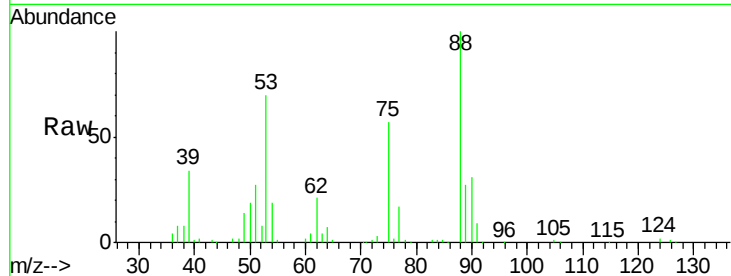
#81
trans-1,4-Dichloro-2-butene
Concen: 72.418 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
75	100		
53	123.4	109.4	164.2
89	48.0	37.0	55.6

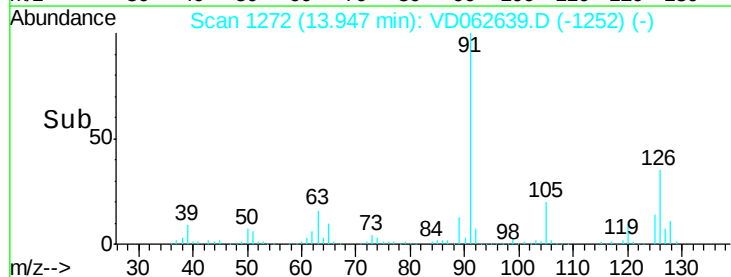
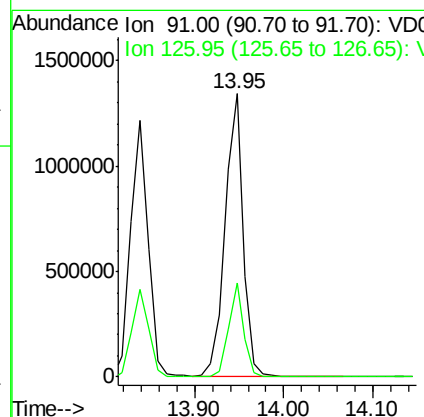
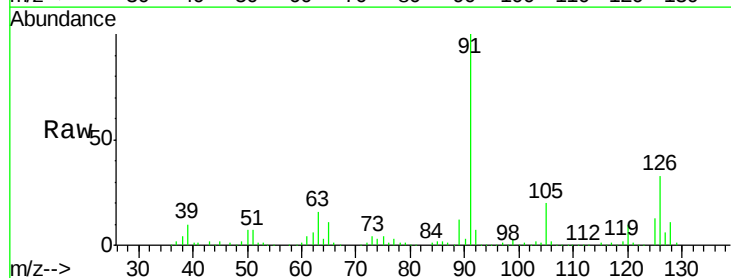
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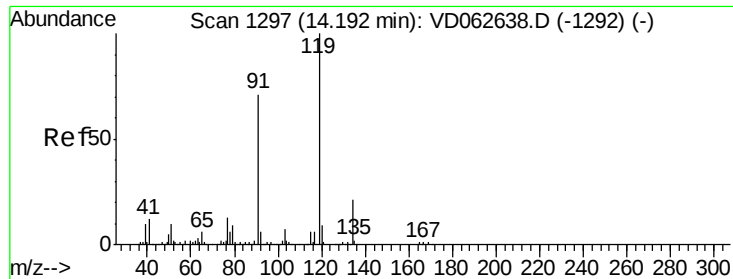
MMDadoda
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#82
4-Chlorotoluene
Concen: 67.005 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	15.6	46.8





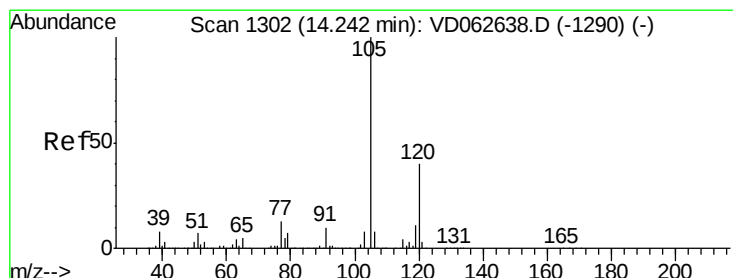
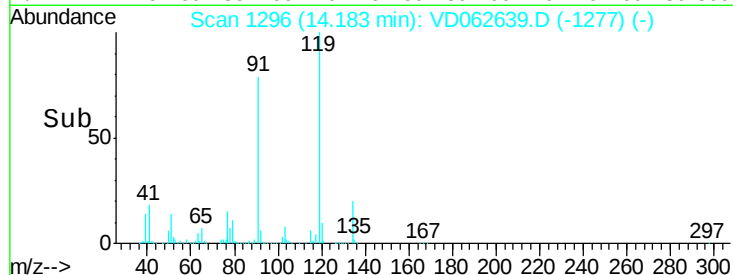
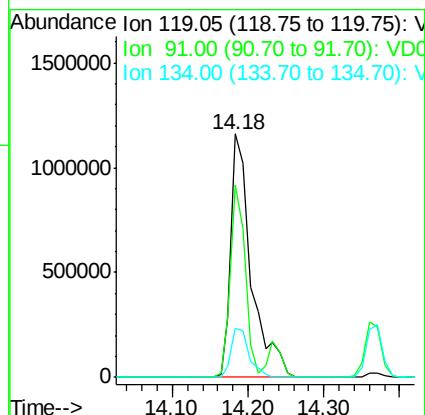
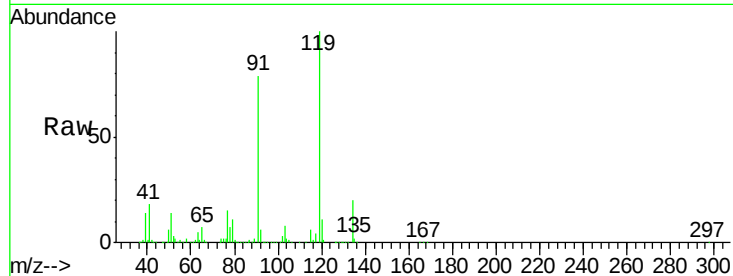
#83
tert-Butylbenzene
Concen: 66.171 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. -0.01 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:119 Resp: 2172736
Ion Ratio Lower Upper
119 100
91 79.1 35.4 106.1
134 20.0 10.8 32.3

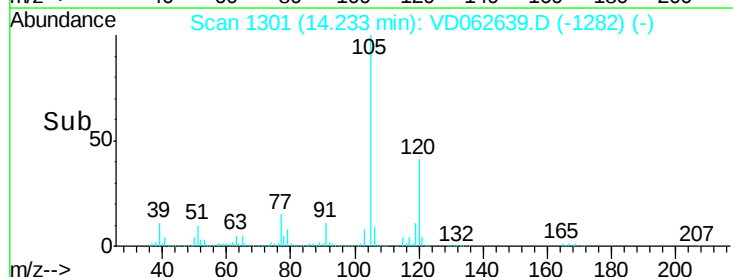
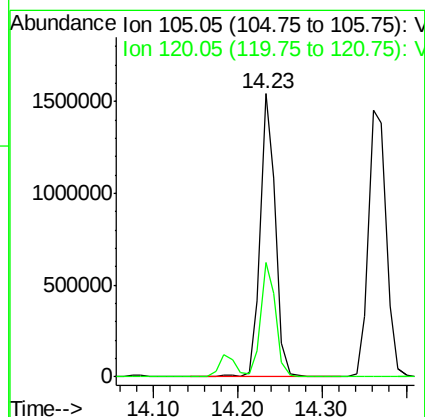
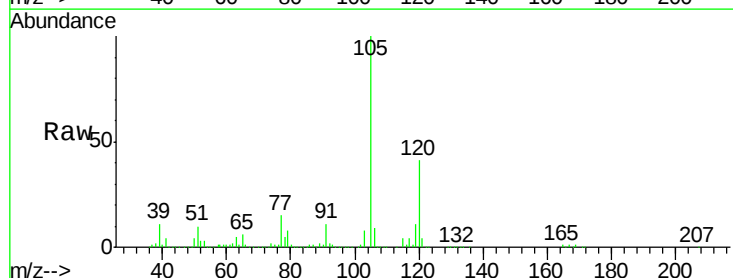
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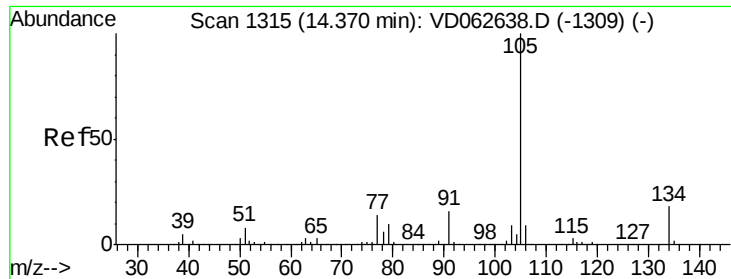
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#84
1,2,4-Trimethylbenzene
Concen: 66.073 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Tgt Ion:105 Resp: 1953538
Ion Ratio Lower Upper
105 100
120 40.7 20.3 60.8





#85

sec-Butylbenzene

Concen: 62.789 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:105 Resp: 2143991

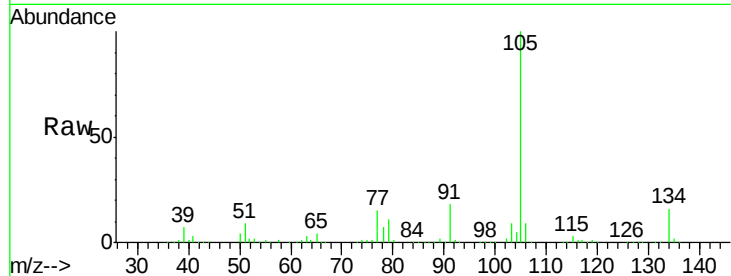
Ion Ratio Lower Upper

105 100

134 15.9 8.8 26.2

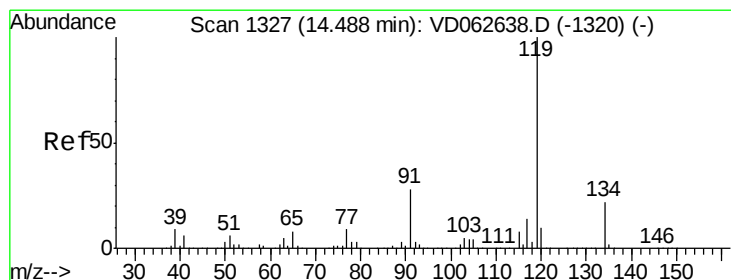
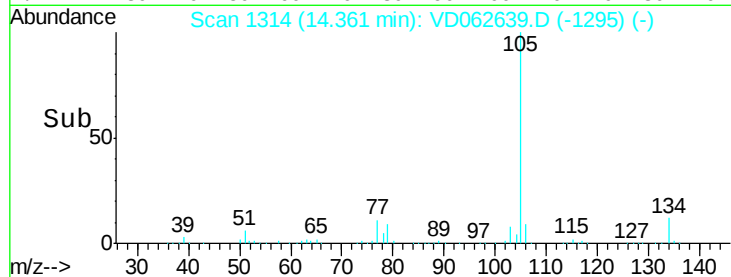
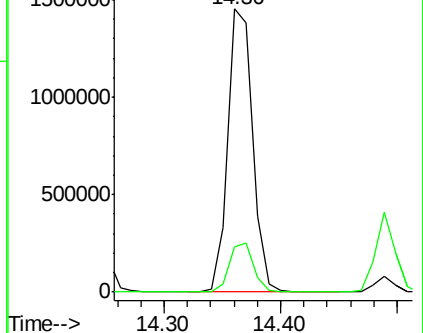
Manual Integrations
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 66.602 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD062639.D

Acq: 7 Jun 2019 12:42

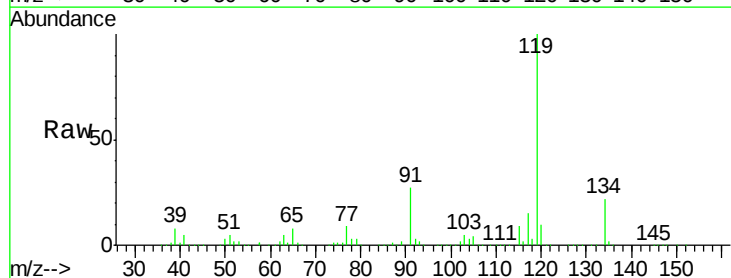
Tgt Ion:119 Resp: 2206329

Ion Ratio Lower Upper

119 100

134 21.5 10.9 32.6

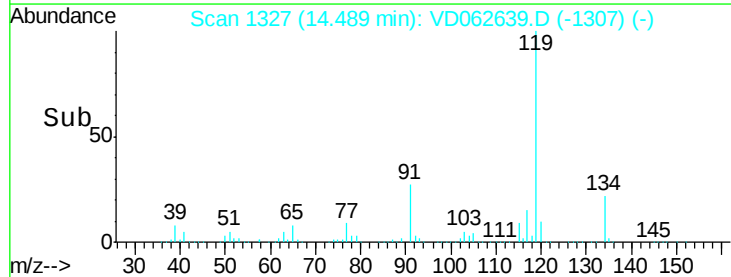
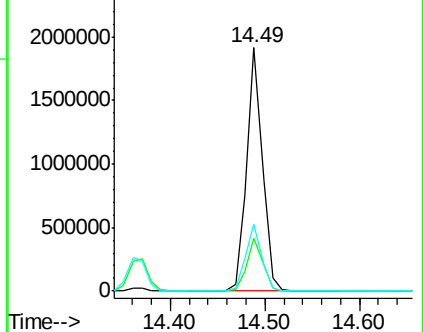
91 27.3 13.9 41.6

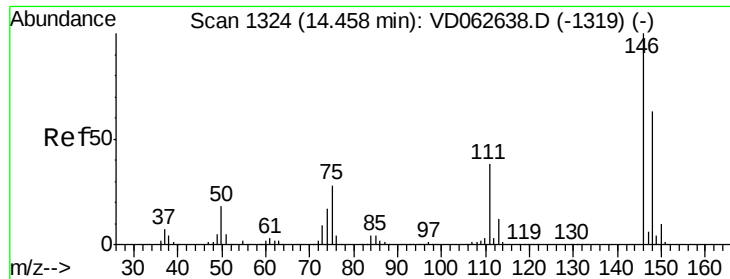


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





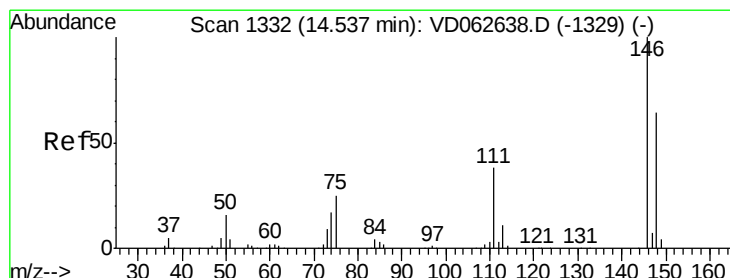
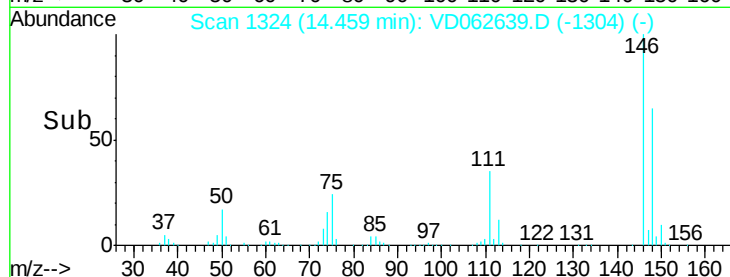
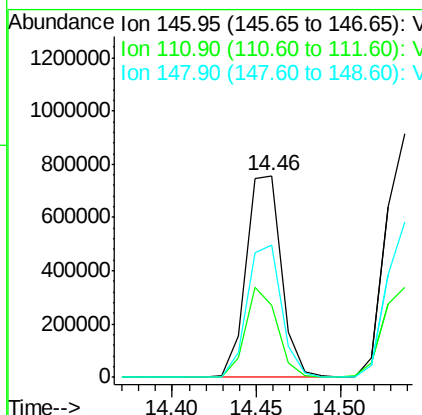
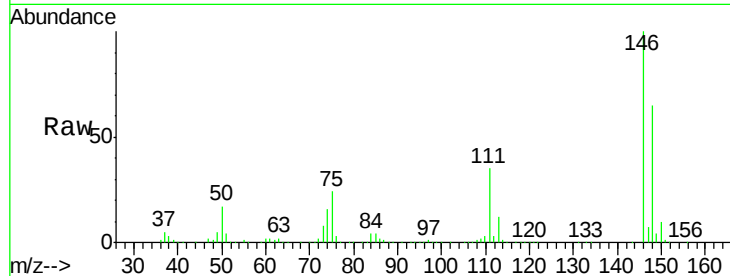
#87
 1,3-Dichlorobenzene
 Concen: 62.664 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD062639.D
 Acq: 7 Jun 2019 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:146 Resp: 1099691
 Ion Ratio Lower Upper
 146 100
 111 35.4 19.2 57.6
 148 65.3 31.6 95.0

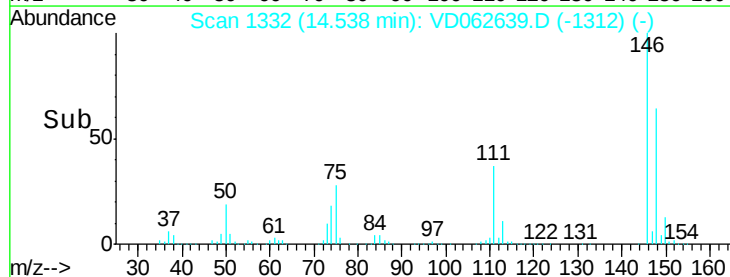
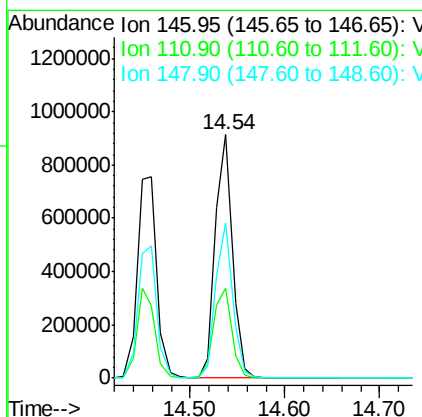
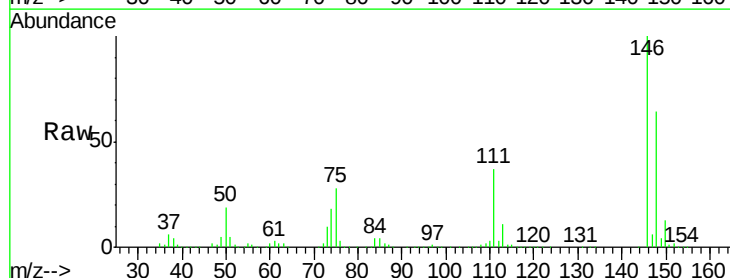
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 70.436 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD062639.D
 Acq: 7 Jun 2019 12:42

Tgt Ion:146 Resp: 1161020
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.9 56.7
 148 63.8 32.3 96.8





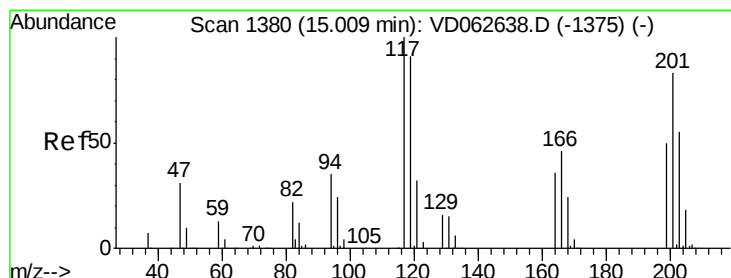
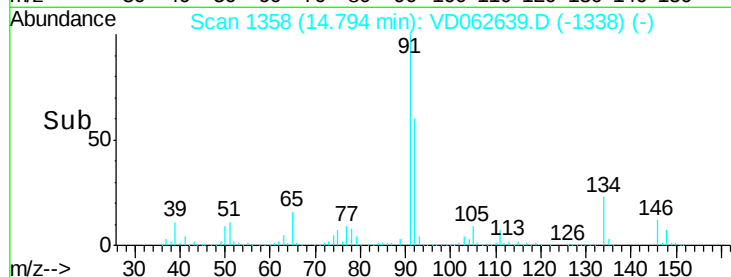
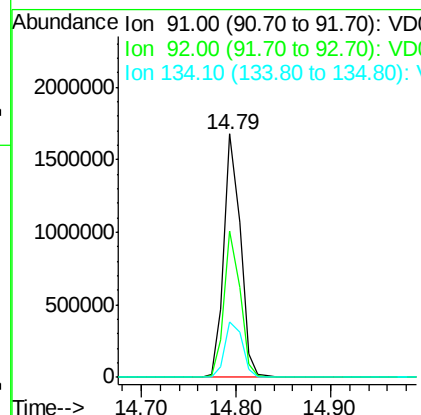
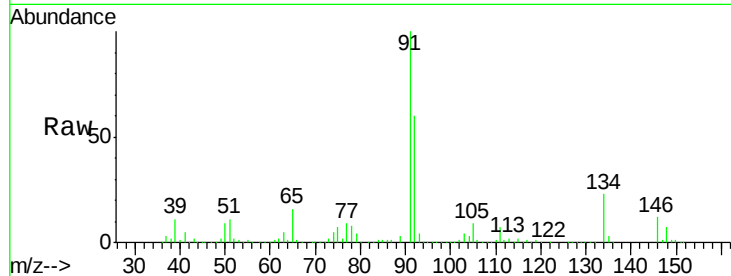
#89
n-Butylbenzene
Concen: 67.499 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 91 Resp: 2037337
Ion Ratio Lower Upper
91 100
92 60.0 29.4 88.3
134 22.6 10.4 31.2

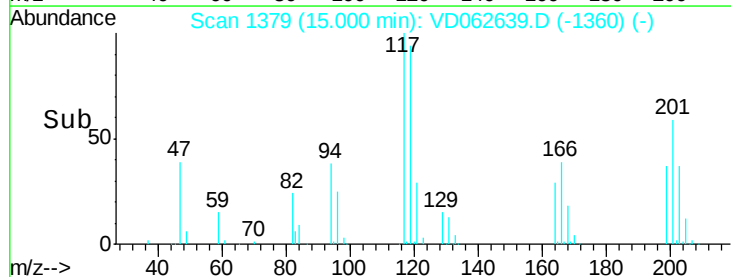
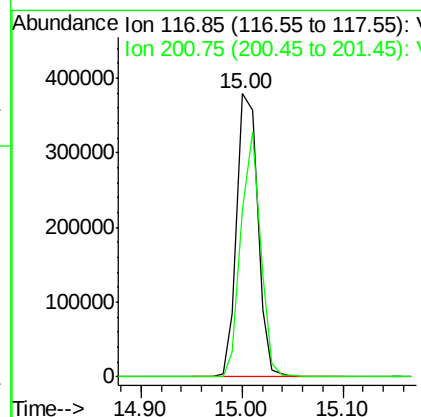
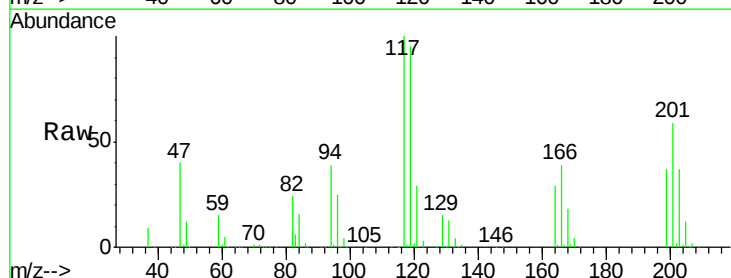
Manual Integrations
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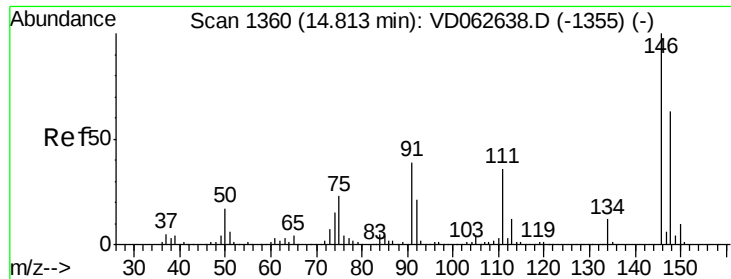
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#90
Hexachloroethane
Concen: 63.201 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Tgt Ion: 117 Resp: 551487
Ion Ratio Lower Upper
117 100
201 58.9 41.5 124.6





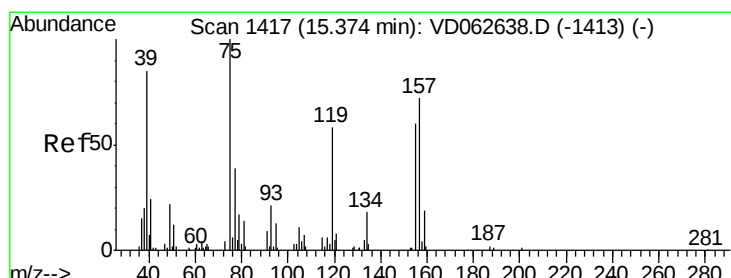
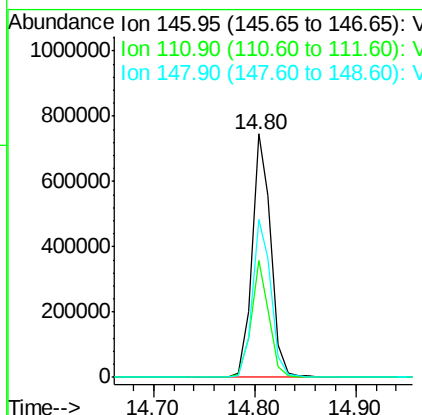
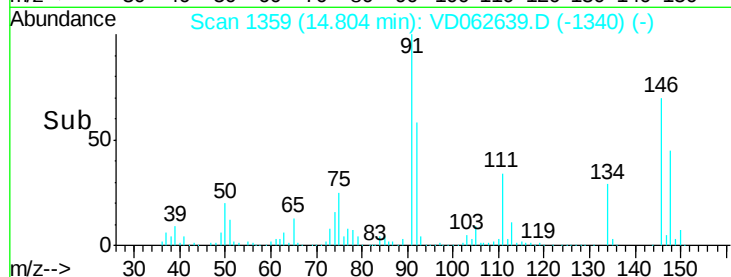
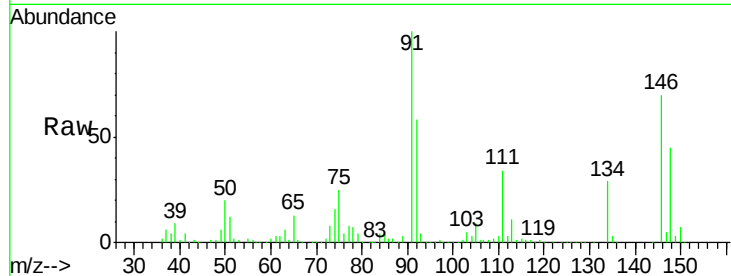
#91
 1,2-Dichlorobenzene
 Concen: 67.237 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD062639.D
 Acq: 7 Jun 2019 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.2	18.1	54.3
148	64.7	31.4	94.0

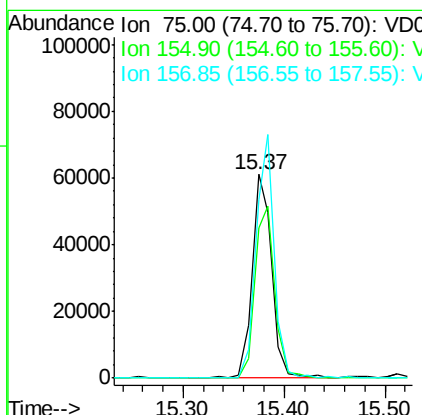
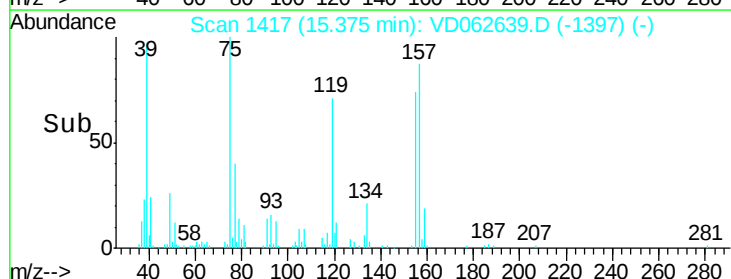
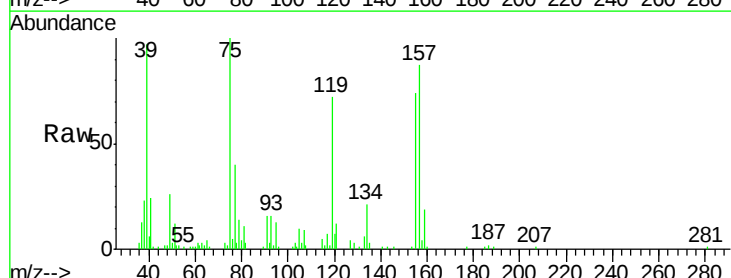
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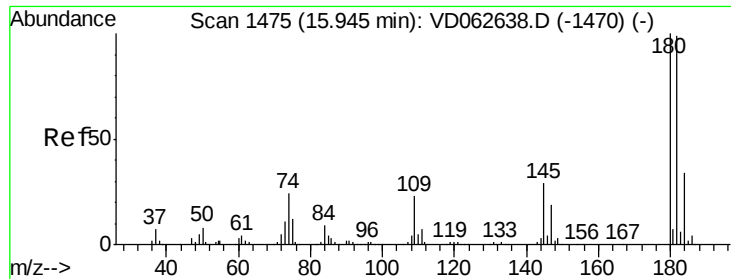
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 66.130 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD062639.D
 Acq: 7 Jun 2019 12:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.1	30.1	90.5
157	87.4	35.9	107.8





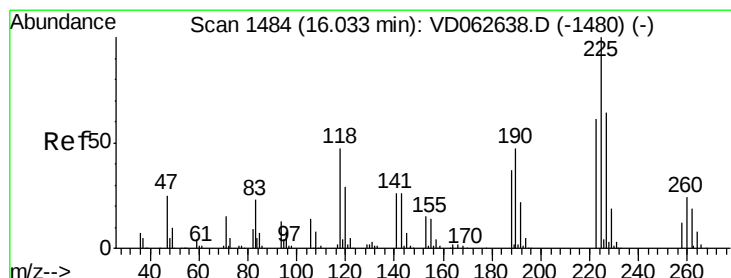
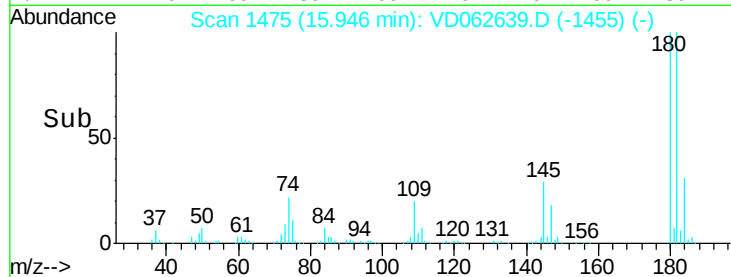
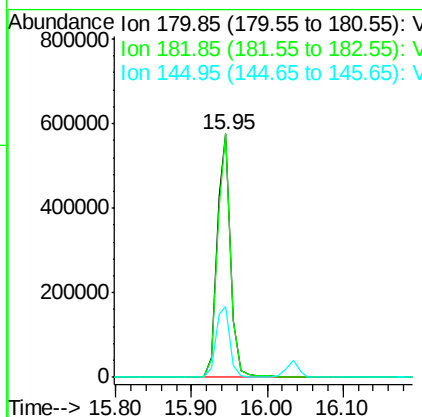
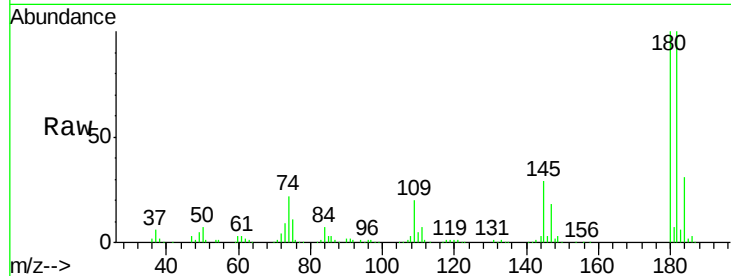
#93
 1,2,4-Trichlorobenzene
 Concen: 66.508 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062639.D
 Acq: 7 Jun 2019 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.0	49.4	148.2
145	28.9	14.5	43.6

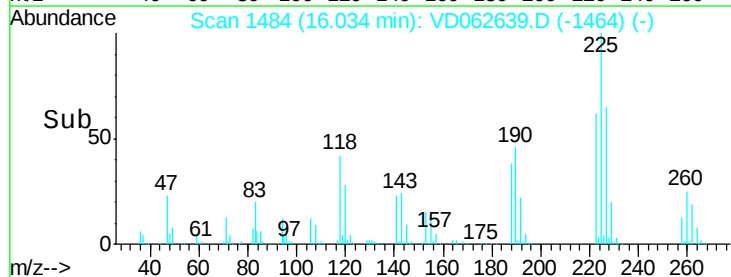
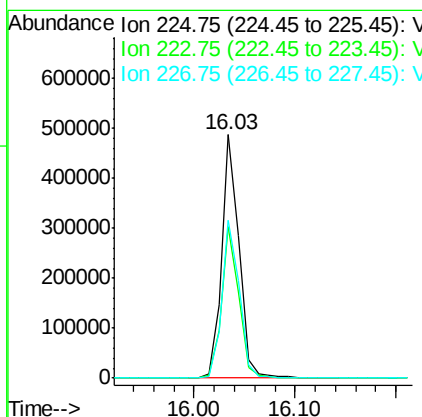
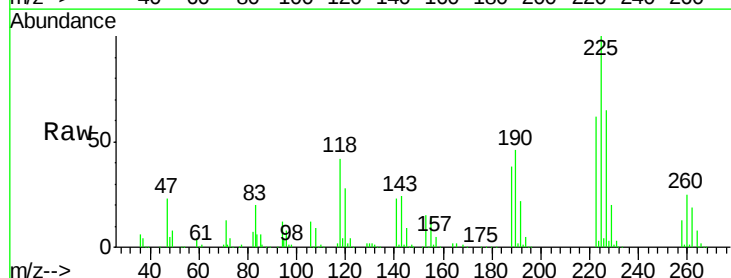
Manual Integrations
 APPROVED

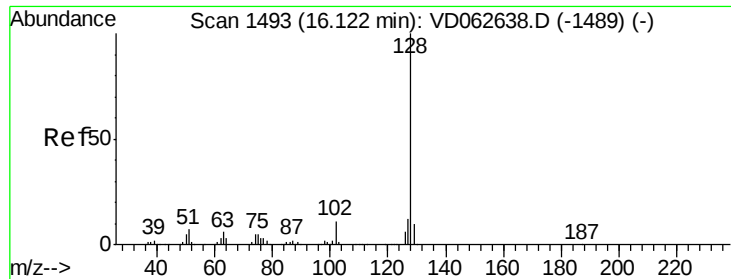
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 6/11/2019 2:17:22 AM



#94
 Hexachlorobutadiene
 Concen: 67.930 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD062639.D
 Acq: 7 Jun 2019 12:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	30.3	91.0
227	64.7	31.8	95.4





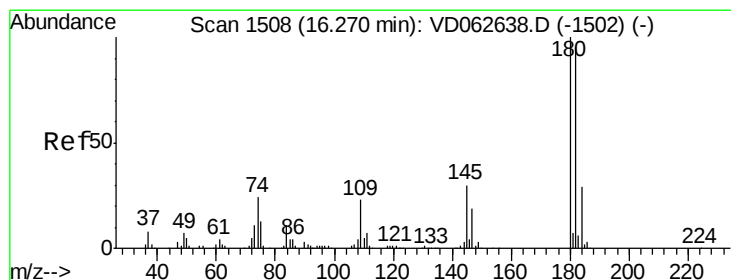
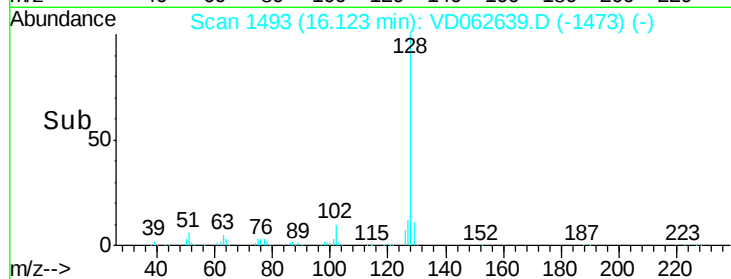
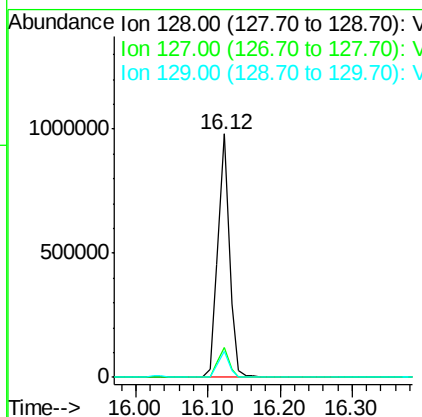
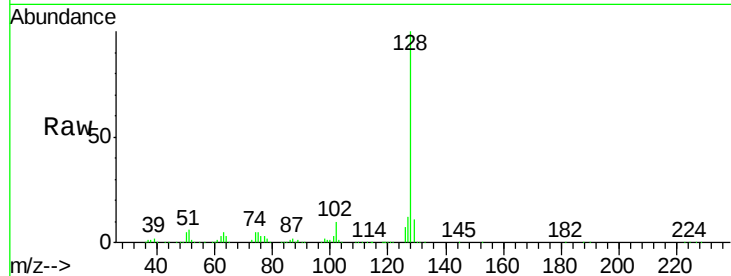
#95
Naphthalene
Concen: 71.023 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	9.7	14.5
129	10.7	8.1	12.1

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 70.424 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD062639.D
Acq: 7 Jun 2019 12:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.4	47.7	143.1
145	29.8	15.0	45.0

