

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060719\
 Data File : VD062640.D
 Acq On : 7 Jun 2019 13:09
 Operator : FY/SY
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 6/11/2019 2:17:24 AM

Quant Time: Jun 07 23:47:17 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	7.05	168	704901	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	915495	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.37	117	814885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	418229	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	1151168	112.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	224.48%	
35) Dibromofluoromethane	6.92	113	1112063	115.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	230.30%	
50) Toluene-d8	10.41	98	2459531	119.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	239.22%	
62) 4-Bromofluorobenzene	13.55	95	1111413	113.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	227.84%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.57	85	783766	86.387	ug/l	99
3) Chloromethane	1.75	50	643211	90.523	ug/l	97
4) Vinyl Chloride	1.85	62	732426	102.023	ug/l	97
5) Bromomethane	2.14	94	352636	97.923	ug/l	93
6) Chloroethane	2.25	64	370087	99.772	ug/l	94
7) Trichlorofluoromethane	2.52	101	1561146	95.682	ug/l	99
8) Diethyl Ether	2.87	74	237368	106.682	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.14	101	907346	100.280	ug/l	98
10) Methyl Iodide	3.29	142	1327165	115.056	ug/l	95
11) Tert butyl alcohol	4.08	59	220766	495.930	ug/l #	84
12) 1,1-Dichloroethene	3.12	96	641669	101.778	ug/l	98
13) Acrolein	3.03	56	65146	529.521	ug/l	97
14) Allyl chloride	3.61	41	1040471	107.344	ug/l	92
15) Acrylonitrile	4.20	53	532340	552.358	ug/l	99
16) Acetone	3.22	43	1019120	534.739	ug/l	95
17) Carbon Disulfide	3.36	76	2036492	108.102	ug/l	100
18) Methyl Acetate	3.63	43	288427	92.997	ug/l	95
19) Methyl tert-butyl Ether	4.23	73	1634855	105.153	ug/l	97
20) Methylene Chloride	3.81	84	709196	99.782	ug/l	96
21) trans-1,2-Dichloroethene	4.20	96	756283	107.094	ug/l	96
22) Diisopropyl ether	5.12	45	2198259	110.804	ug/l	95
23) Vinyl Acetate	5.06	43	6795019	542.806	ug/l	98
24) 1,1-Dichloroethane	4.98	63	1434584	109.512	ug/l	98
25) 2-Butanone	6.07	43	1000265	538.469	ug/l	99
26) 2,2-Dichloropropane	6.01	77	1598462	105.474	ug/l	100
27) cis-1,2-Dichloroethene	6.03	96	815864	108.564	ug/l	97
28) Bromochloromethane	6.43	49	555857	118.501	ug/l	96
29) Tetrahydrofuran	6.45	42	443081	530.049	ug/l	99
30) Chloroform	6.66	83	1744714	103.466	ug/l	93
31) Cyclohexane	6.95	56	874839	108.962	ug/l	94
32) 1,1,1-Trichloroethane	6.86	97	1785696	104.711	ug/l	100
36) 1,1-Dichloropropene	7.14	75	1213910	111.333	ug/l	99
37) Ethyl Acetate	6.18	43	462358	97.270	ug/l #	94
38) Carbon Tetrachloride	7.10	117	1872728m	108.815	ug/l	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060719\
 Data File : VD062640.D
 Acq On : 7 Jun 2019 13:09
 Operator : FY/SY
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 6/11/2019 2:17:24 AM

Quant Time: Jun 07 23:47:17 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)
39) Methylcyclohexane	8.86	83	997698	114.984	ug/l	95
40) Benzene	7.45	78	2374594	114.328	ug/l	98
41) Methacrylonitrile	6.44	41	601164	105.526	ug/l	96
42) 1,2-Dichloroethane	7.58	62	1348569	108.264	ug/l	97
43) Isopropyl Acetate	9.24	43	633736	113.542	ug/l	97
44) Trichloroethene	8.53	130	957456	111.676	ug/l	91
45) 1,2-Dichloropropane	8.94	63	562074	111.551	ug/l	98
46) Dibromomethane	9.06	93	494350	109.549	ug/l	90
47) Bromodichloromethane	9.37	83	1361571	111.134	ug/l	96
48) Methyl methacrylate	9.12	41	437171	105.213	ug/l #	92
49) 1,4-Dioxane	9.09	88	70594	2150.691	ug/l #	87
51) 4-Methyl-2-Pentanone	10.30	43	2167050	546.788	ug/l	98
52) Toluene	10.51	92	1561942	109.901	ug/l	96
53) t-1,3-Dichloropropene	10.91	75	1165297	115.551	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	1167300	111.865	ug/l	95
55) 1,1,2-Trichloroethane	11.19	97	516787	108.823	ug/l	95
56) Ethyl methacrylate	11.04	69	601191	115.817	ug/l	95
57) 1,3-Dichloropropane	11.41	76	841446	112.665	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	1342563	514.625	ug/l	96
59) 2-Hexanone	11.53	43	1627596	545.589	ug/l	97
60) Dibromochloromethane	11.68	129	1055055	111.853	ug/l	98
61) 1,2-Dibromoethane	11.80	107	618622	107.415	ug/l	94
64) Tetrachloroethene	11.26	164	853578	110.330	ug/l	96
65) Chlorobenzene	12.40	112	1980043	108.465	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	890601	101.812	ug/l	95
67) Ethyl Benzene	12.52	91	3223583	99.325	ug/l	99
68) m/p-Xylenes	12.67	106	2345983	206.018	ug/l	96
69) o-Xylene	13.05	106	1164536	108.953	ug/l	94
70) Styrene	13.07	104	2059710	108.073	ug/l	97
71) Bromoform	13.24	173	666479	109.615	ug/l	97
73) Isopropylbenzene	13.40	105	3286957	107.935	ug/l	98
74) N-amyl acetate	13.27	43	913453	111.403	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	577838	112.151	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	661590	114.658	ug/l	99
77) Bromobenzene	13.67	156	935317	109.162	ug/l	96
78) n-propylbenzene	13.78	91	4029018	109.291	ug/l	94
79) 2-Chlorotoluene	13.84	91	2380476	110.682	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	2885177	108.552	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	179960	121.078	ug/l #	96
82) 4-Chlorotoluene	13.95	91	2757899	106.582	ug/l	99
83) tert-Butylbenzene	14.19	119	3091273	104.246	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	2613255	97.868	ug/l	96
85) sec-Butylbenzene	14.37	105	3289536	106.673	ug/l	98
86) p-Isopropyltoluene	14.49	119	3285539	109.820	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	1659999	104.741	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	1579400	106.097	ug/l	97
89) n-Butylbenzene	14.79	91	2988173	109.623	ug/l	99
90) Hexachloroethane	15.01	117	884320	112.217	ug/l	98
91) 1,2-Dichlorobenzene	14.81	146	1435694	110.223	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	118693	104.318	ug/l #	42

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060719\
Data File : VD062640.D
Acq On : 7 Jun 2019 13:09
Operator : FY/SY
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

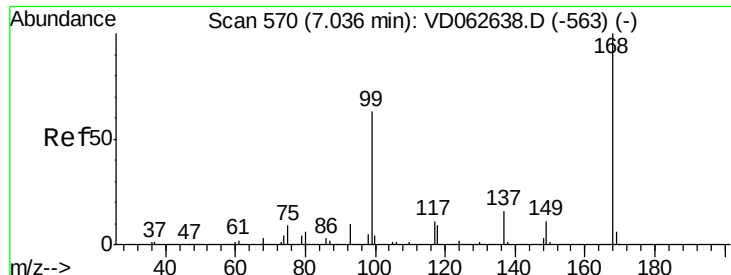
Manual Integrations
APPROVED

MMDadoda
6/11/2019 2:17:24 AM

Quant Time: Jun 07 23:47:17 2019
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	15.94	180	1131837	114.537	ug/l	96
94) Hexachlorobutadiene	16.03	225	886803	113.650	ug/l	99
95) Naphthalene	16.12	128	1599136	116.482	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	866624	115.754	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 704901

Ion Ratio Lower Upper

168 100

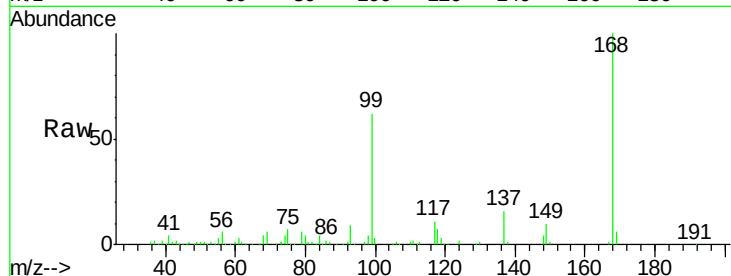
99 62.5 51.4 77.2

Manual Integrations

APPROVED

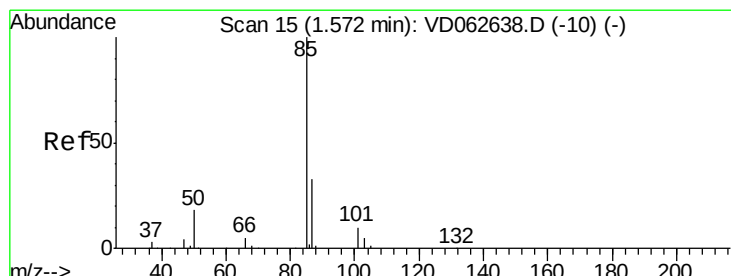
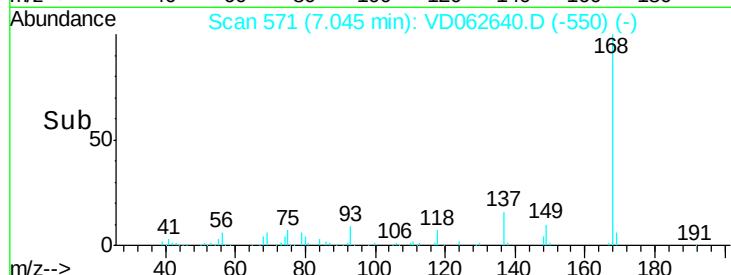
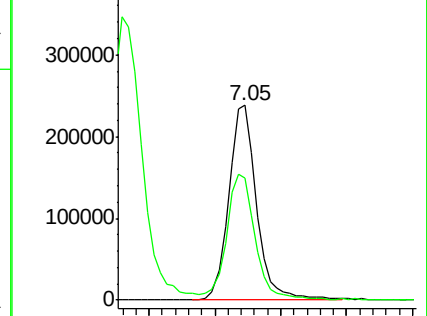
MMDadoda

6/11/2019 2:17:24 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 86.387 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD062640.D

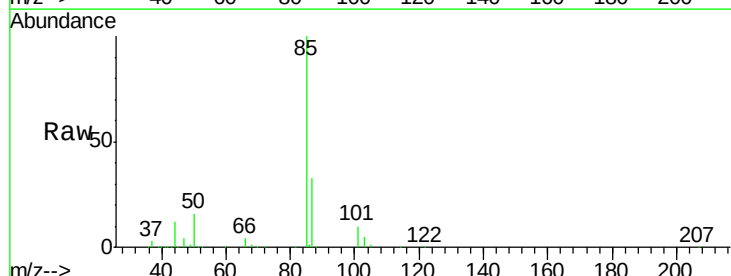
Acq: 7 Jun 2019 13:09

Tgt Ion: 85 Resp: 783766

Ion Ratio Lower Upper

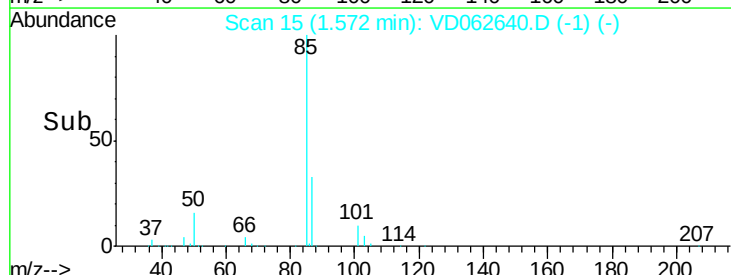
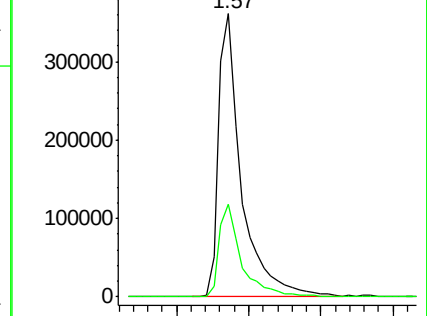
85 100

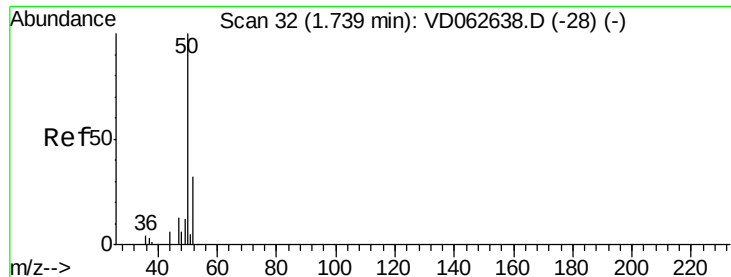
87 32.7 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 90.523 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 643211

Ion Ratio Lower Upper

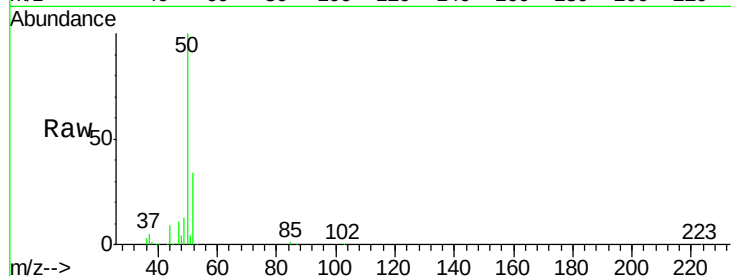
50 100

52 34.1 25.8 38.8

Manual Integrations
APPROVED

MMDadoda

6/11/2019 2:17:24 AM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

250000

200000

150000

100000

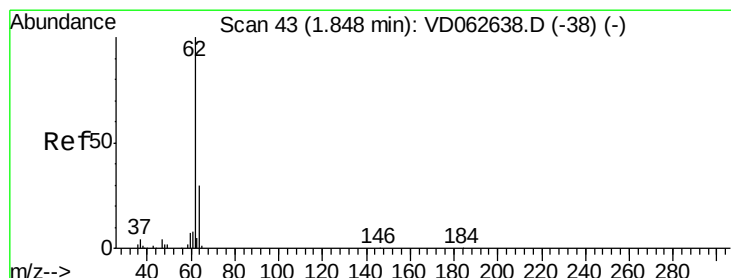
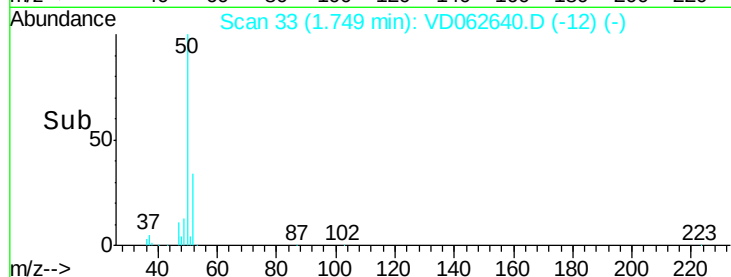
50000

0

1.75

1.60 1.70 1.80 1.90

Time-->



#4

Vinyl Chloride

Concen: 102.023 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.00 min

Lab File: VD062640.D

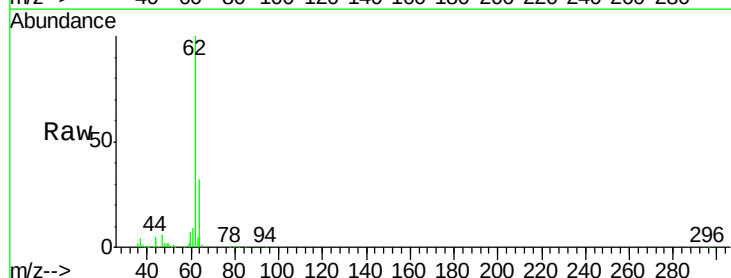
Acq: 7 Jun 2019 13:09

Tgt Ion: 62 Resp: 732426

Ion Ratio Lower Upper

62 100

64 32.1 24.2 36.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

400000

300000

200000

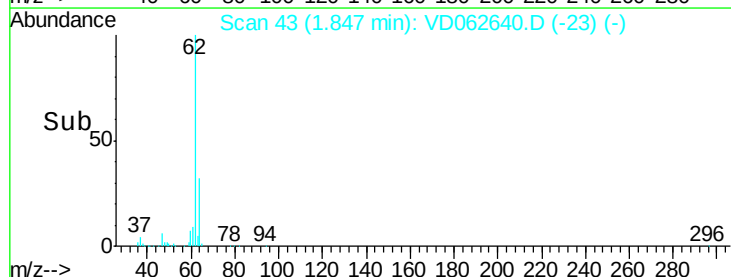
100000

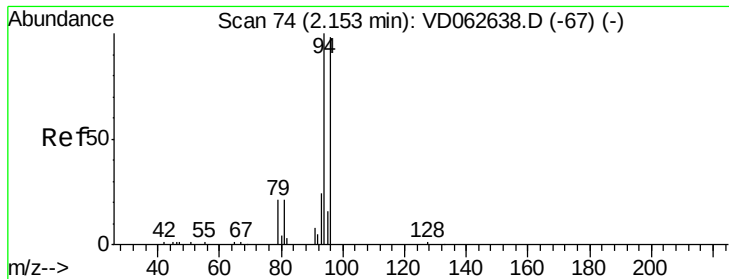
0

1.85

1.70 1.80 1.90 2.00

Time-->





#5

Bromomethane

Concen: 97.923 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Instrument :

MSVOA_D

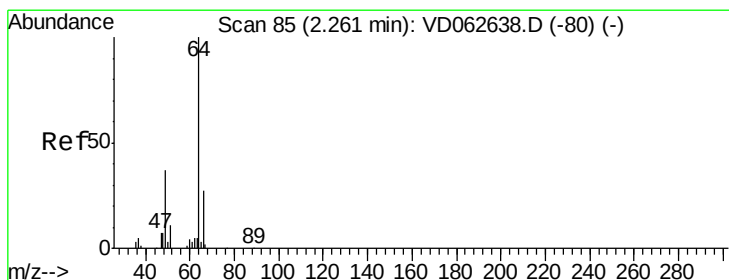
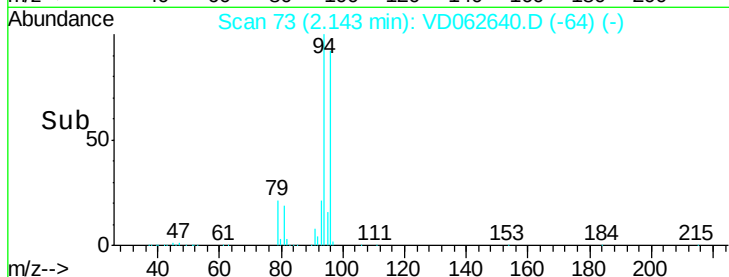
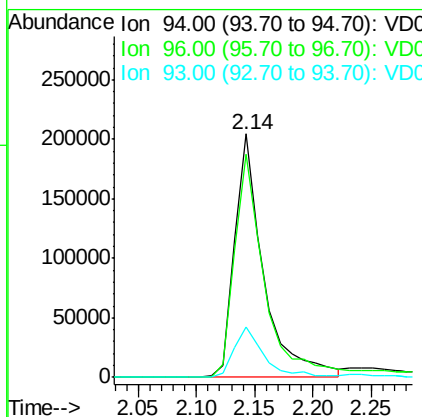
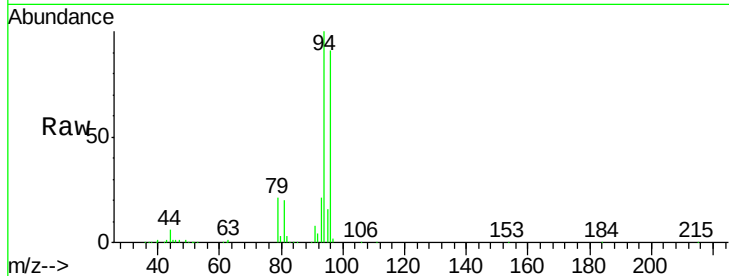
ClientSampleId :

VSTDIC100

Tot Ion:	94	Resp:	352636
Ion	Ratio	Lower	Upper
94	100		
96	91.4	78.1	117.1
93	20.5	19.6	29.4

Manual Integrations
APPROVED

MMDadoda
6/11/2019 2:17:24 AM



#6

Chloroethane

Concen: 99.772 ug/l

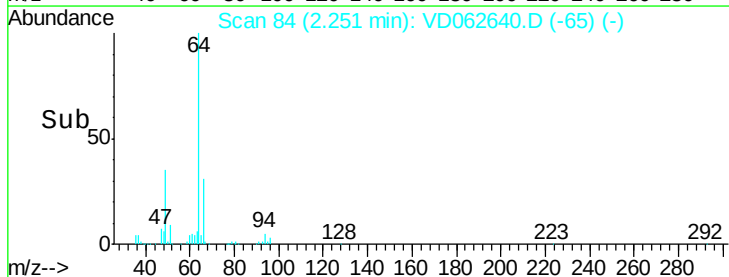
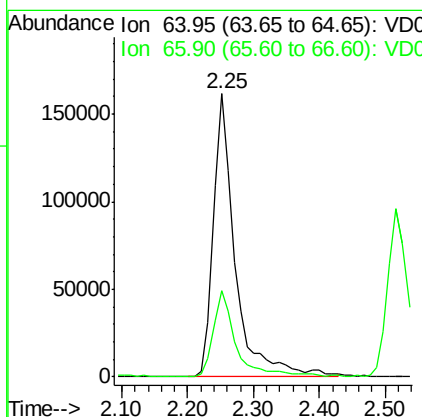
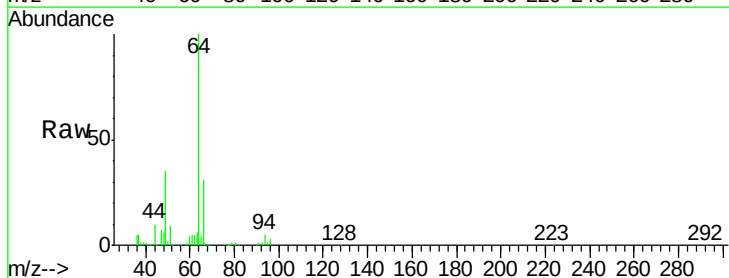
RT: 2.25 min Scan# 84

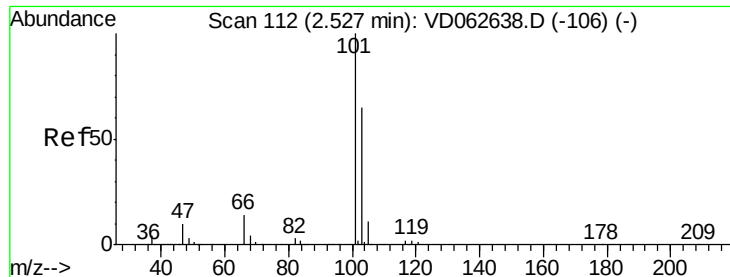
Delta R.T. -0.01 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Tgt Ion:	64	Resp:	370087
Ion	Ratio	Lower	Upper
64	100		
66	30.7	21.9	32.9





#7

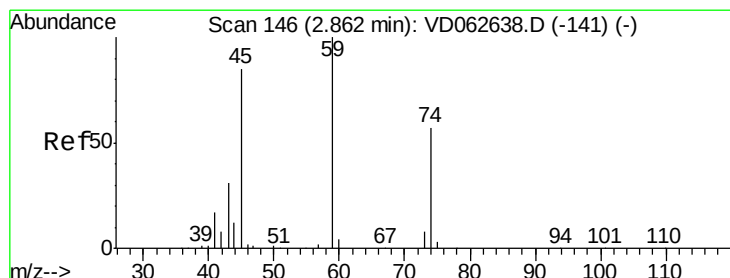
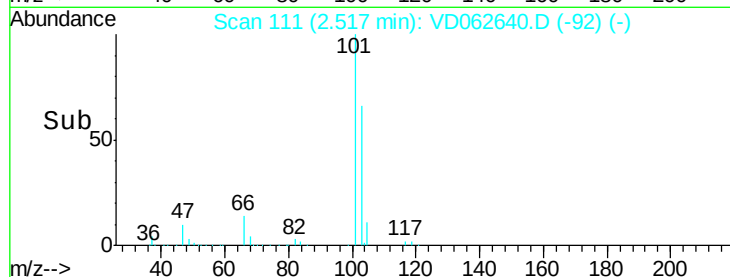
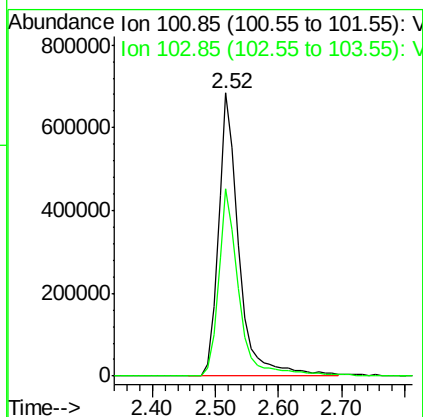
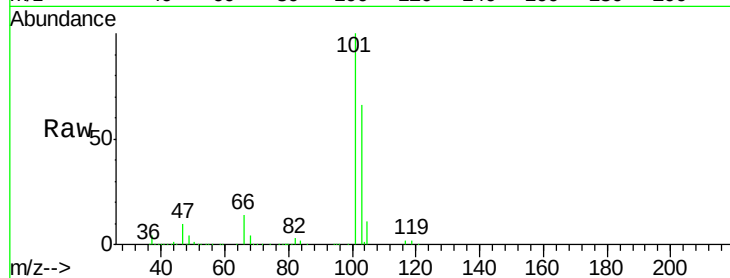
Trichlorofluoromethane
Concen: 95.682 ug/l
RT: 2.52 min Scan# 111
Delta R.T. -0.01 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	52.2	78.2

Manual Integrations
APPROVED

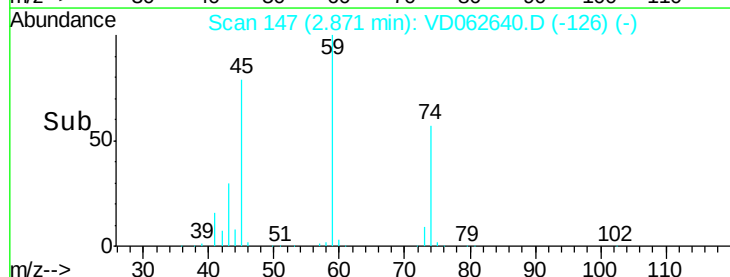
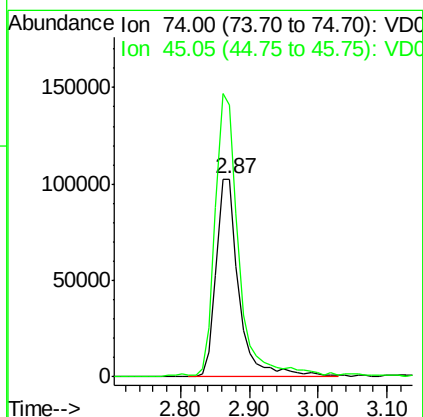
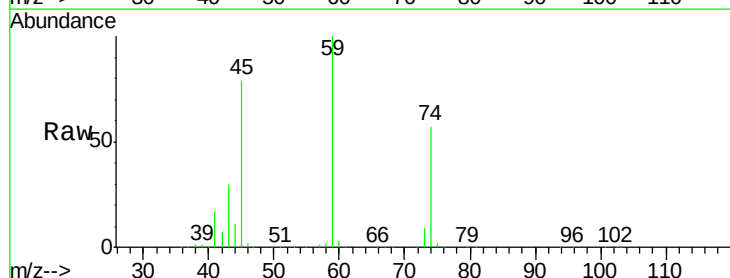
MMDadoda
6/11/2019 2:17:24 AM

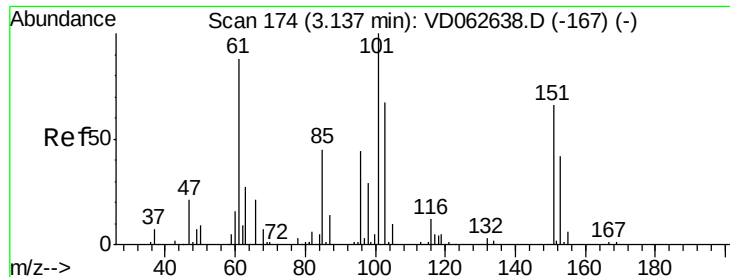


#8

Diethyl Ether
Concen: 106.682 ug/l
RT: 2.87 min Scan# 147
Delta R.T. 0.01 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	137.3	74.9	224.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 100.280 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Instrument :

MSVOA_D

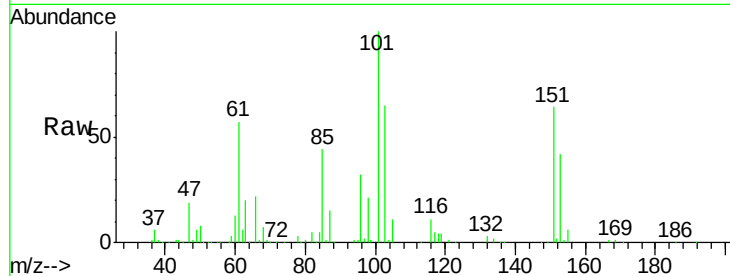
ClientSampleId :

VSTDIC100

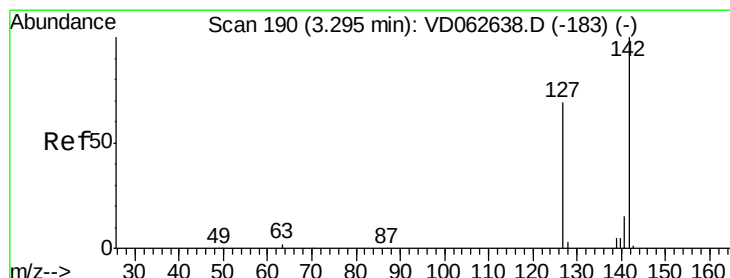
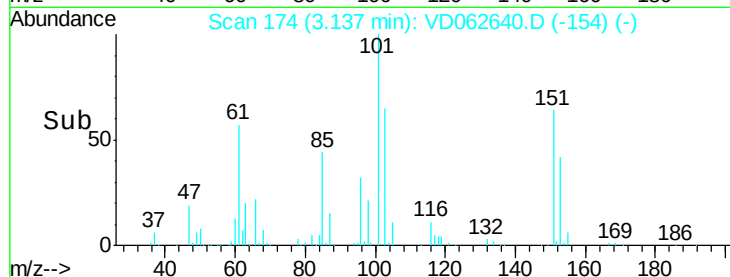
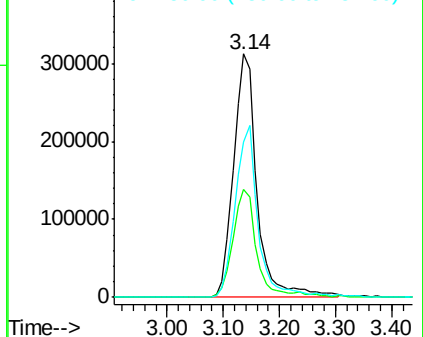
Tot Ion:	101	Resp:	907346
Ion Ratio	Lower	Upper	
101	100		
85	44.3	36.0	54.0
151	64.0	52.6	79.0

Manual Integrations
APPROVED

MMDadoda
6/11/2019 2:17:24 AM



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



#10

Methyl Iodide

Concen: 115.056 ug/l

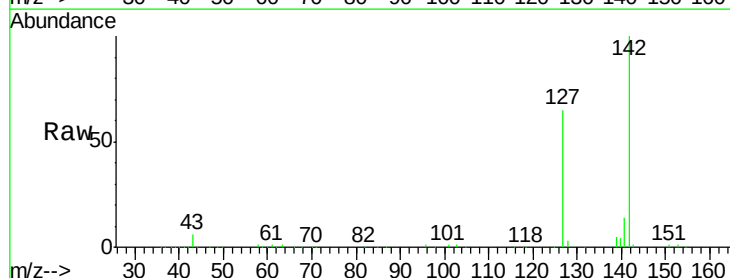
RT: 3.29 min Scan# 190

Delta R.T. -0.00 min

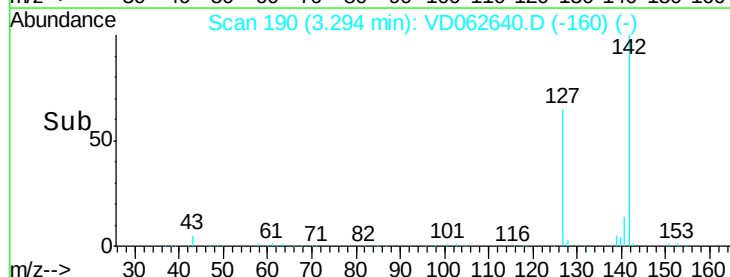
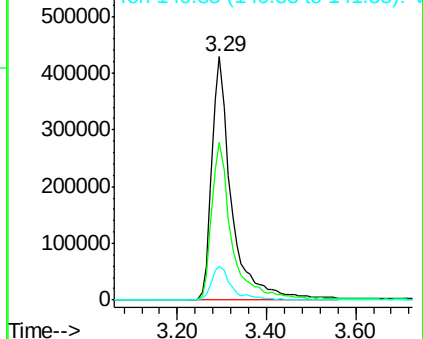
Lab File: VD062640.D

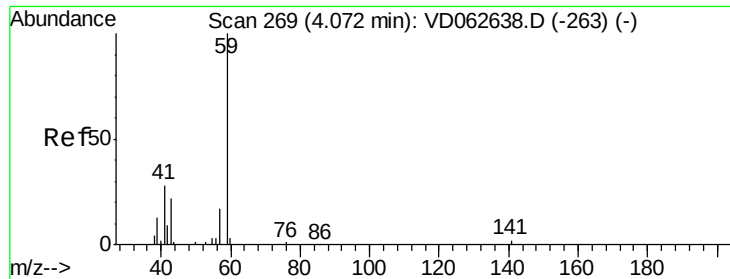
Acq: 7 Jun 2019 13:09

Tgt Ion:	142	Resp:	1327165
Ion Ratio	Lower	Upper	
142	100		
127	64.9	55.2	82.8
141	13.7	12.1	18.1



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





#11

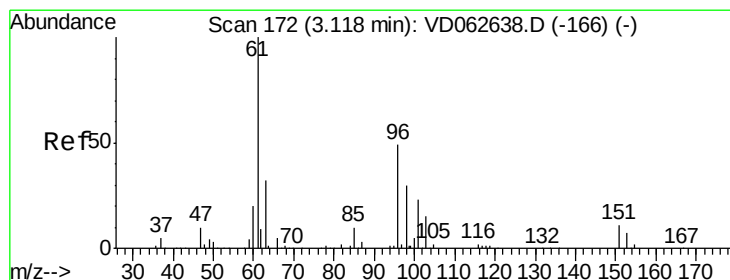
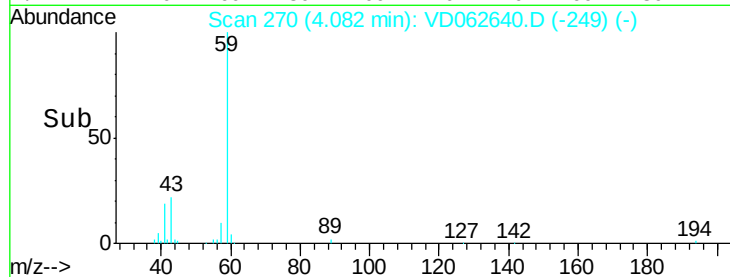
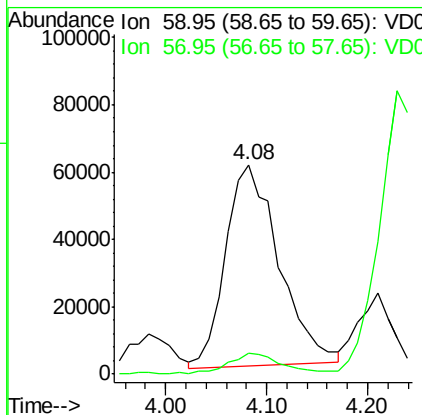
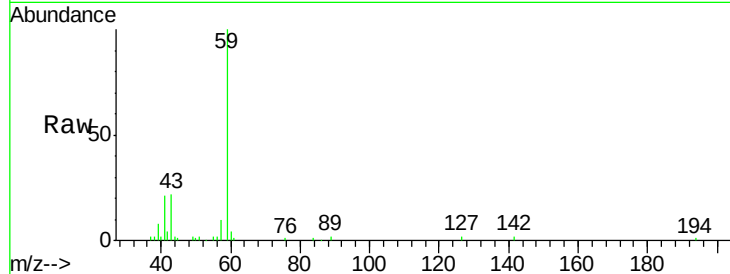
Tert butyl alcohol
 Concen: 495.930 ug/l
 RT: 4.08 min Scan# 270
 Delta R.T. 0.01 min
 Lab File: VD062640.D
 Acq: 7 Jun 2019 13:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 59 Resp: 220766
 Ion Ratio Lower Upper
 59 100
 57 10.3 13.7 20.5#

Manual Integrations
 APPROVED

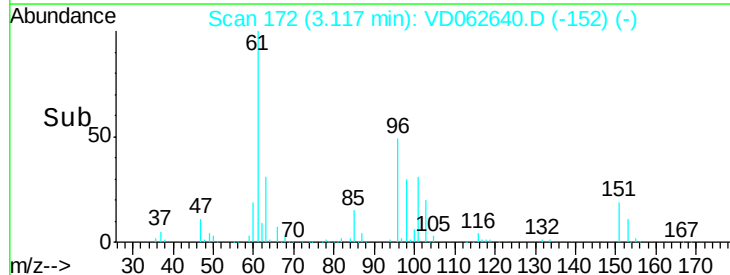
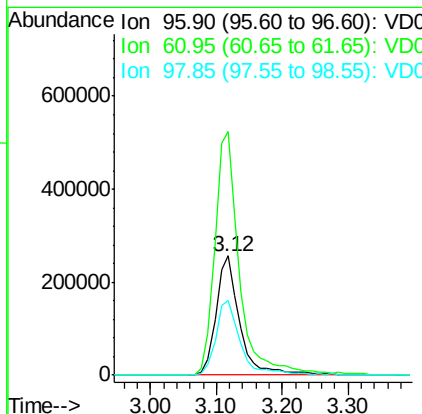
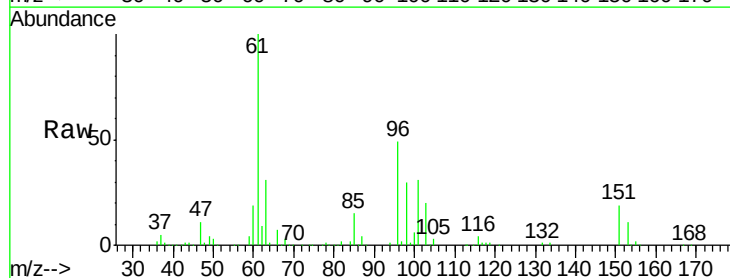
MMDadoda
 6/11/2019 2:17:24 AM

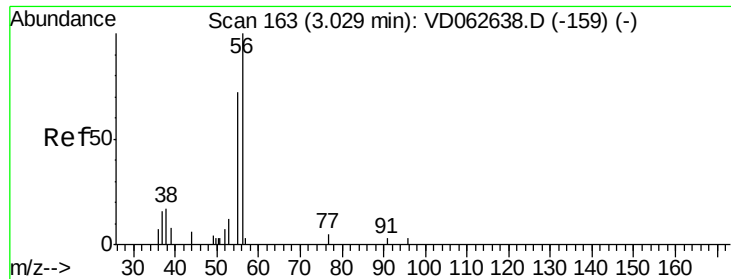


#12

1,1-Dichloroethene
 Concen: 101.778 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. -0.00 min
 Lab File: VD062640.D
 Acq: 7 Jun 2019 13:09

Tgt Ion: 96 Resp: 641669
 Ion Ratio Lower Upper
 96 100
 61 204.3 161.8 242.8
 98 62.3 48.2 72.4





#13

Acrolein

Concen: 529.521 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 65146

Ion Ratio Lower Upper

56 100

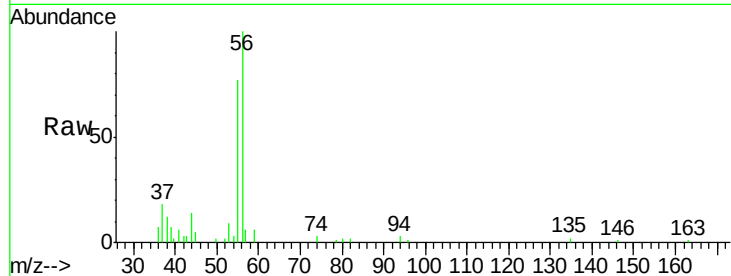
55 76.6 59.4 89.0

Manual Integrations

APPROVED

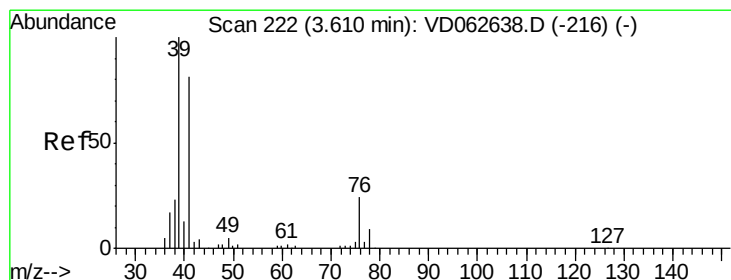
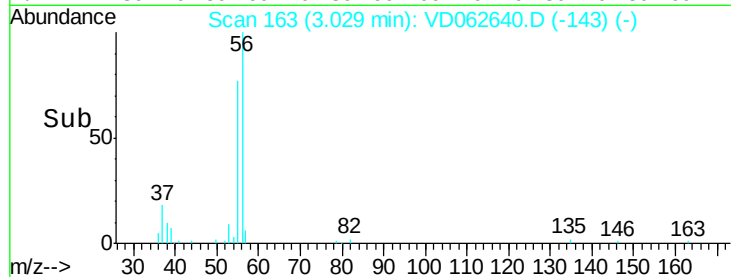
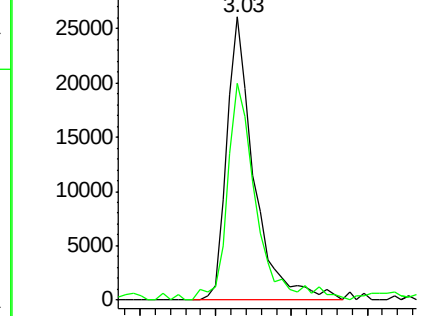
MMDadoda

6/11/2019 2:17:24 AM



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 107.344 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

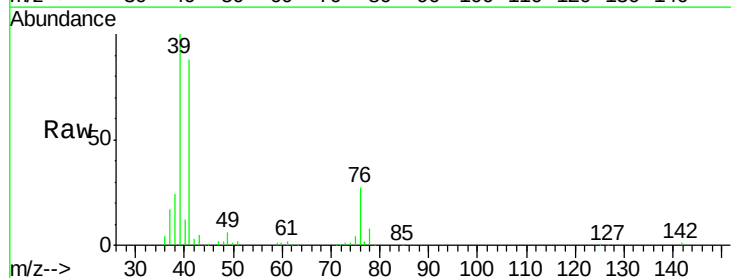
Tgt Ion: 41 Resp: 1040471

Ion Ratio Lower Upper

41 100

39 113.3 99.1 148.7

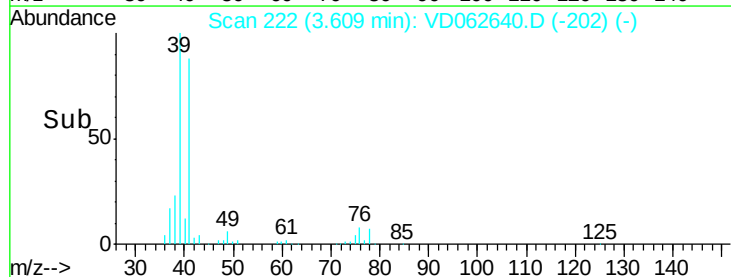
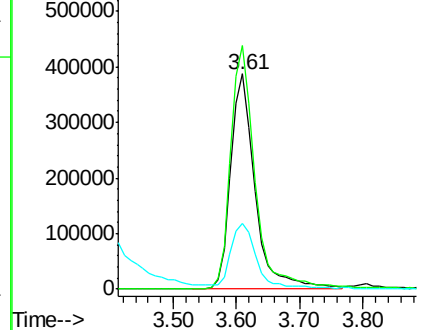
76 30.9 25.0 37.6

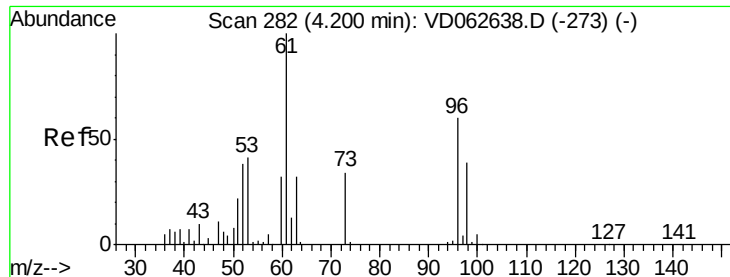


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 552.358 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Instrument :

MSVOA_D

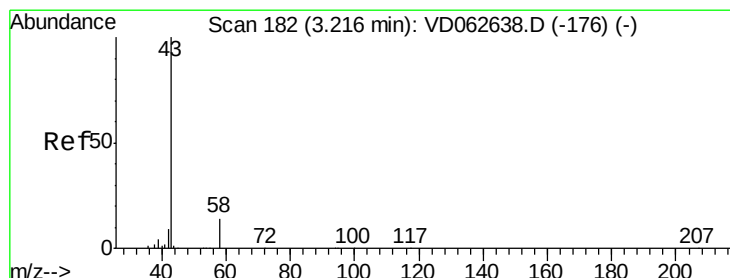
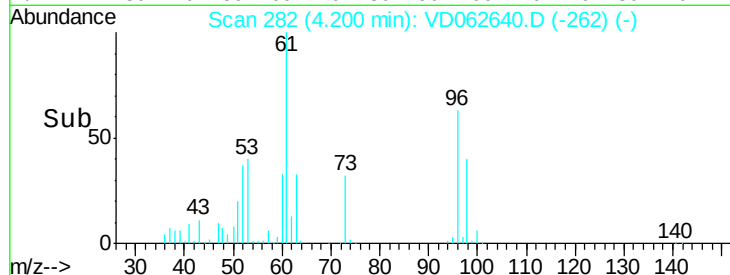
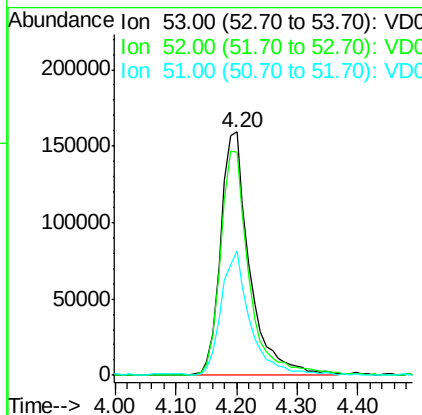
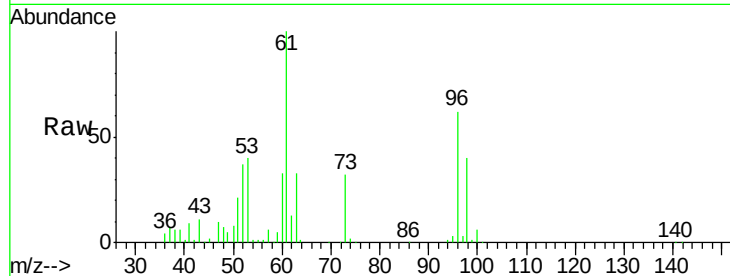
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	532340
Ion	Ratio	Lower	Upper
53	100		
52	91.5	73.6	110.4
51	51.3	42.0	63.0

Manual Integrations
APPROVED

MMDadoda
6/11/2019 2:17:24 AM



#16

Acetone

Concen: 534.739 ug/l

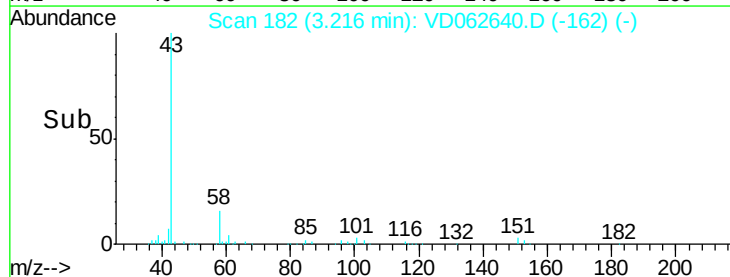
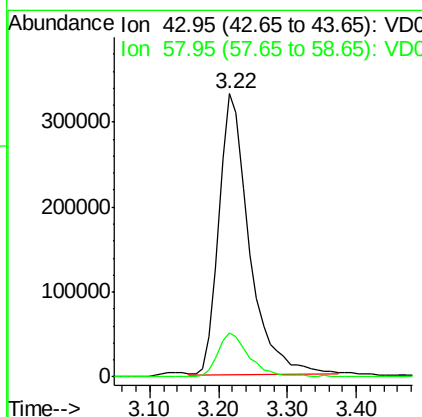
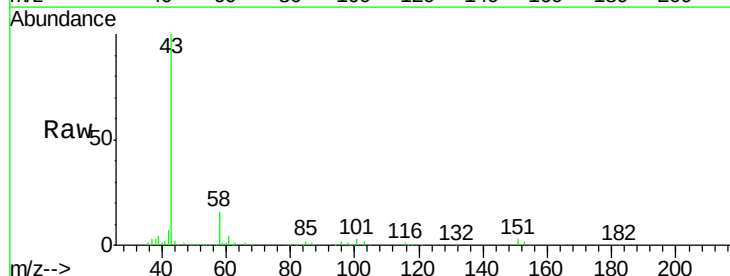
RT: 3.22 min Scan# 182

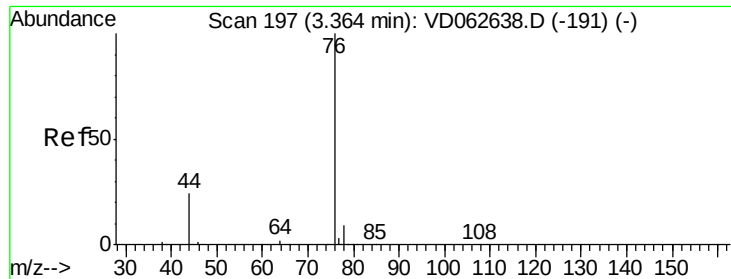
Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Tgt Ion:	43	Resp:	1019120
Ion	Ratio	Lower	Upper
43	100		
58	15.5	10.8	16.2





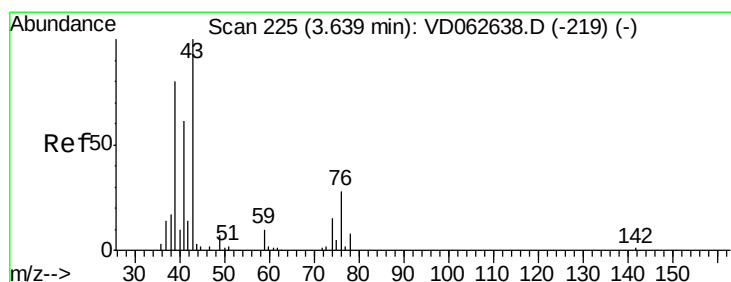
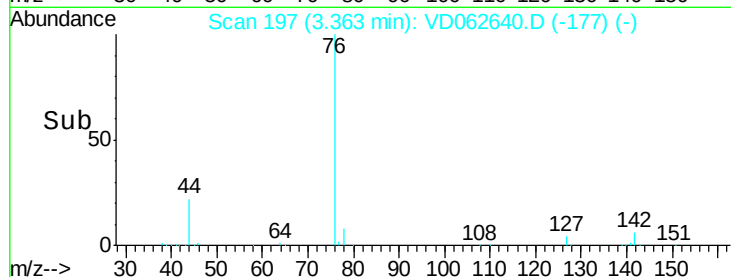
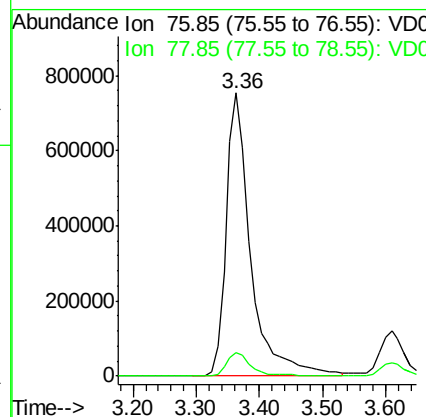
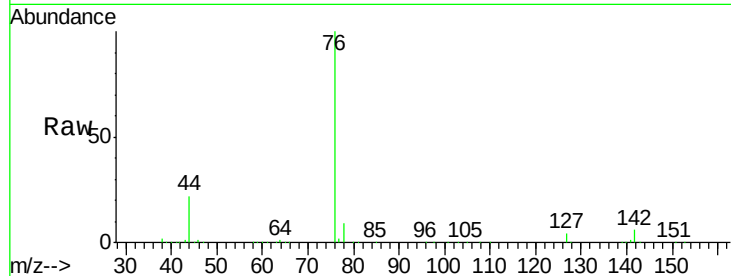
#17
Carbon Disulfide
Concen: 108.102 ug/l
RT: 3.36 min Scan# 197
Delta R.T. -0.00 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tot Ion: 76 Resp: 2036492
Ion Ratio Lower Upper
76 100
78 8.5 7.0 10.4

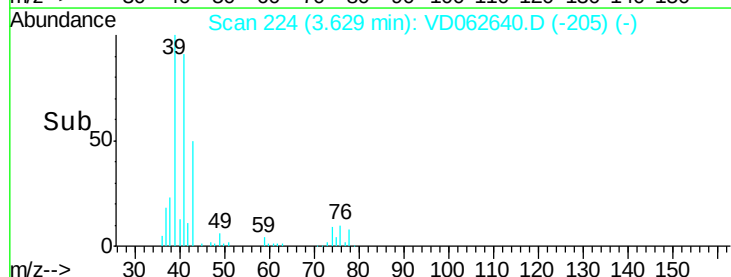
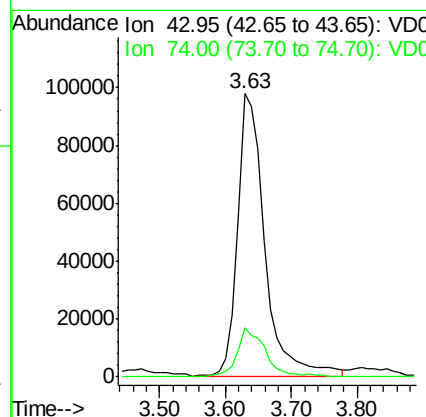
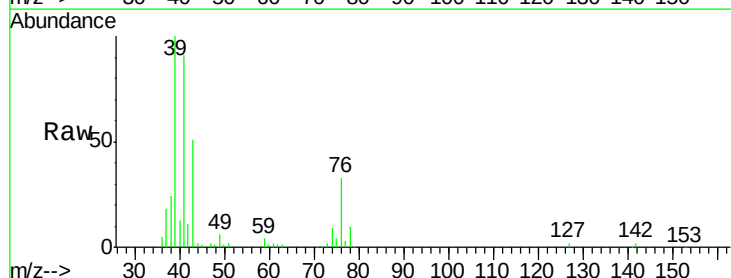
Manual Integrations
APPROVED

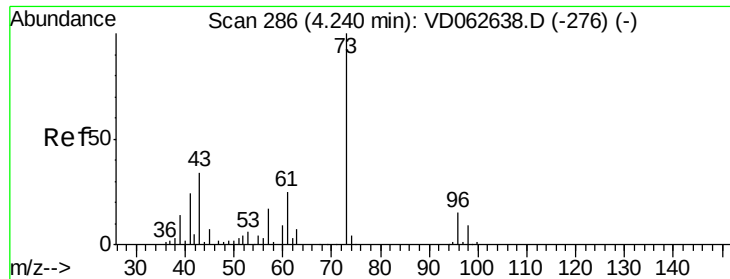
MMDadoda
6/11/2019 2:17:24 AM



#18
Methyl Acetate
Concen: 92.997 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.01 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Tgt Ion: 43 Resp: 288427
Ion Ratio Lower Upper
43 100
74 17.2 12.1 18.1





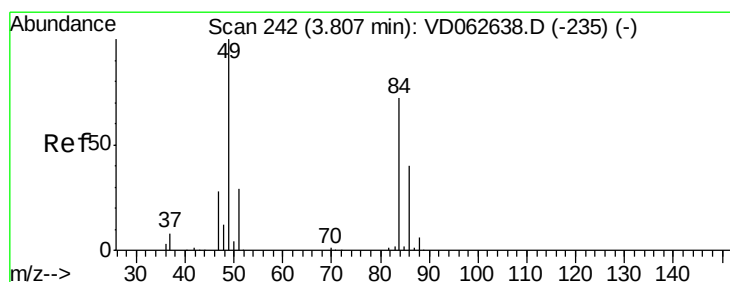
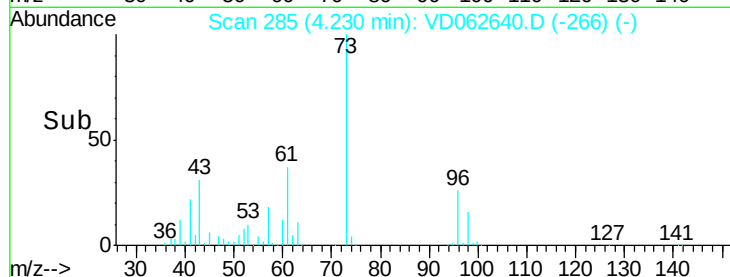
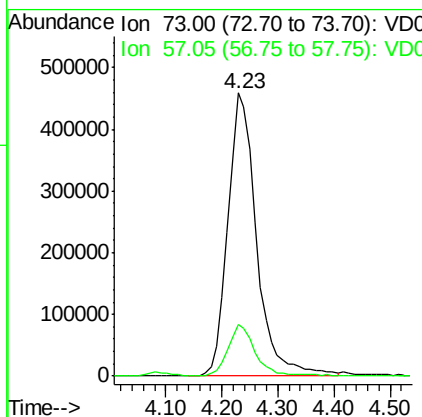
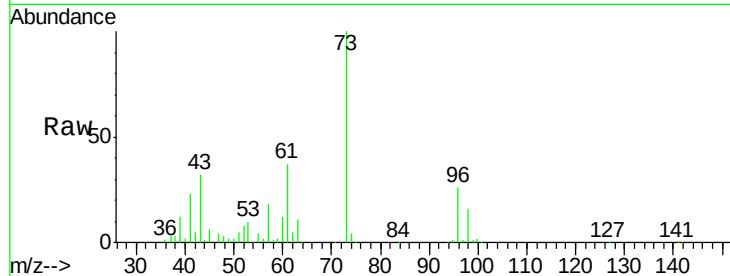
#19
Methyl tert-butyl Ether
Concen: 105.153 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Instrument :
MSVOA_D
ClientSampled :
VSTDIC100

Tot Ion: 73 Resp: 1634855
Ion Ratio Lower Upper
73 100
57 18.3 13.5 20.3

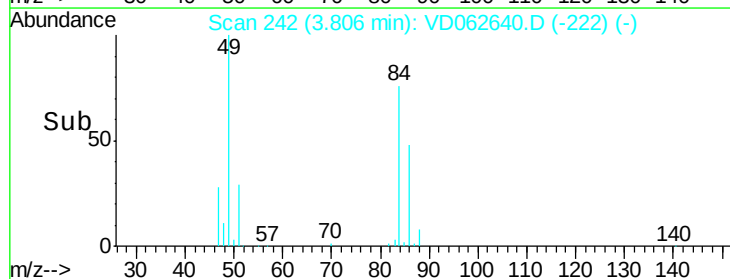
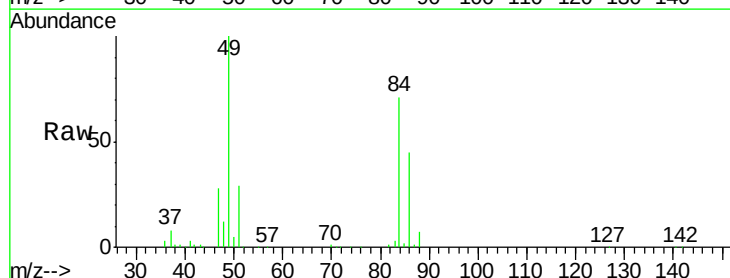
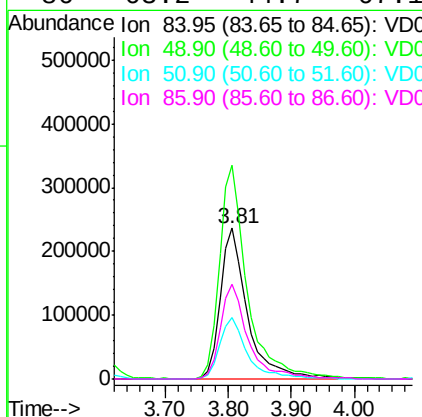
Manual Integrations
APPROVED

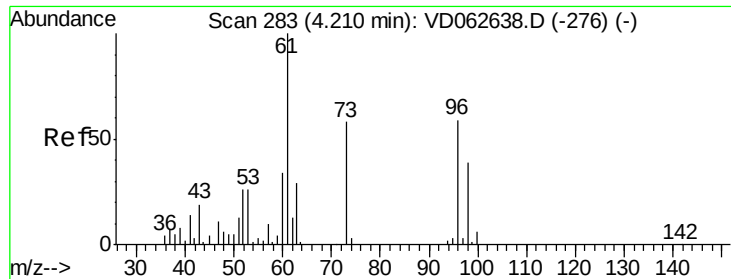
MMDadoda
6/11/2019 2:17:24 AM



#20
Methylene Chloride
Concen: 99.782 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.00 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Tgt Ion: 84 Resp: 709196
Ion Ratio Lower Upper
84 100
49 141.7 111.2 166.8
51 40.6 31.9 47.9
86 63.2 44.7 67.1





#21

trans-1,2-Dichloroethene

Concen: 107.094 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 756283

Ion Ratio Lower Upper

96 100

61 160.3 134.6 201.8

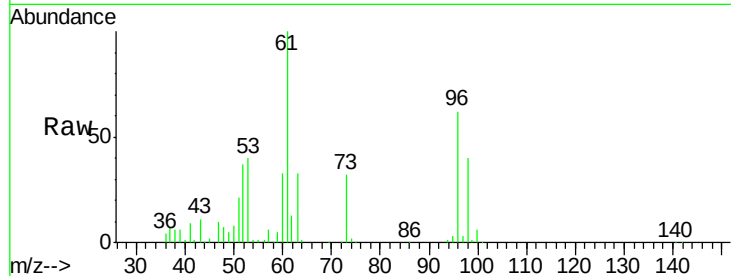
98 64.5 51.8 77.8

Manual Integrations

APPROVED

MMDadoda

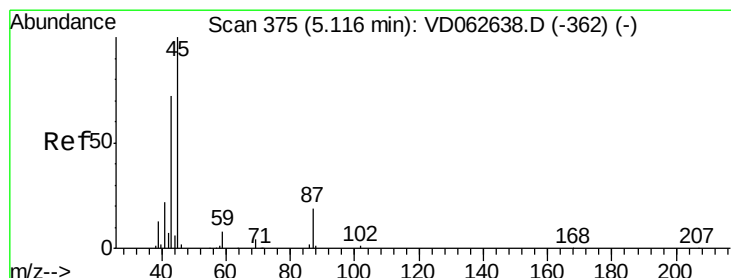
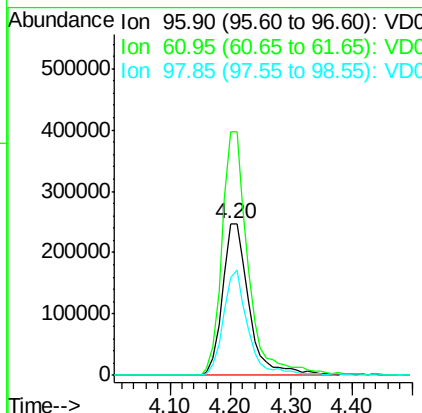
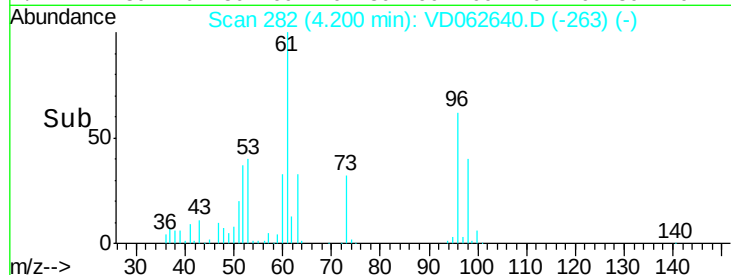
6/11/2019 2:17:24 AM



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: 110.804 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Tgt Ion: 45 Resp: 2198259

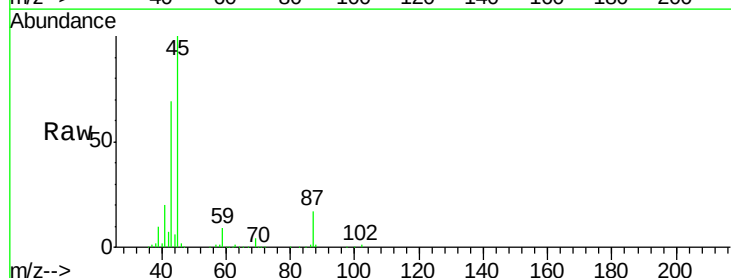
Ion Ratio Lower Upper

45 100

43 68.9 58.8 88.2

87 17.5 15.7 23.5

59 8.7 6.6 9.8

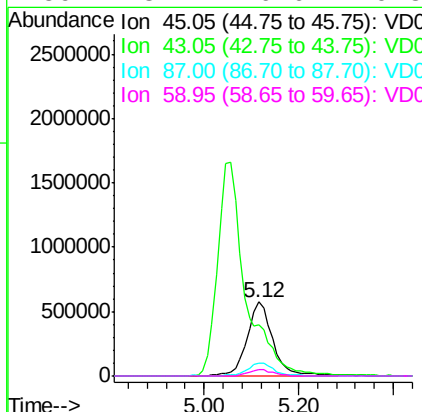
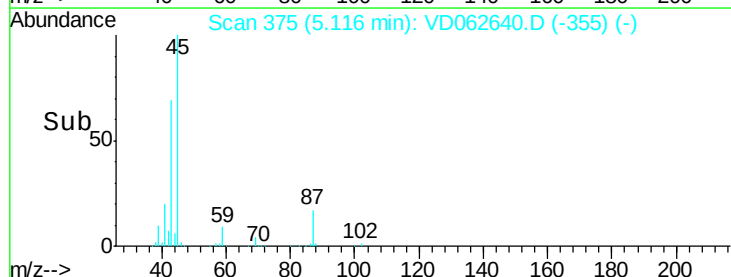


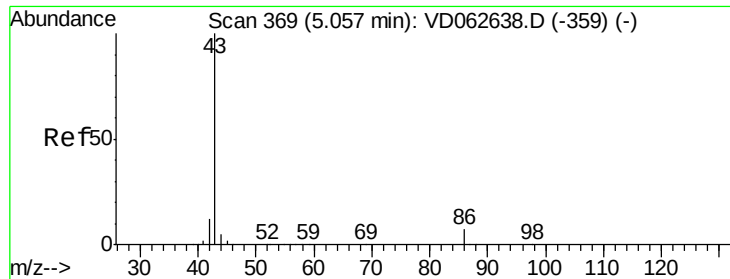
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 542.806 ug/l

RT: 5.06 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 6795019

Ion Ratio Lower Upper

43 100

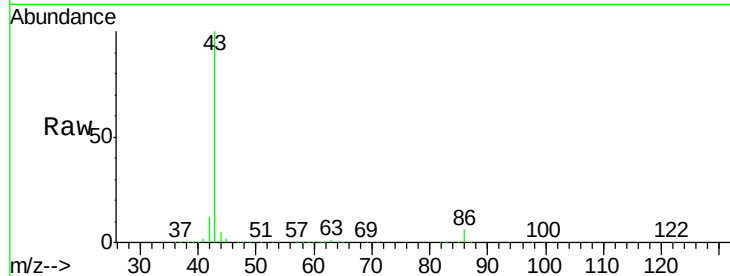
86 5.8 5.3 7.9

Manual Integrations

APPROVED

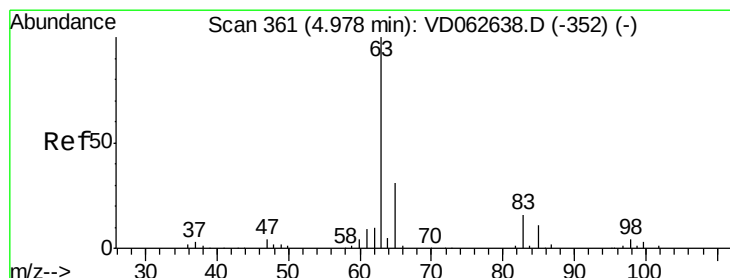
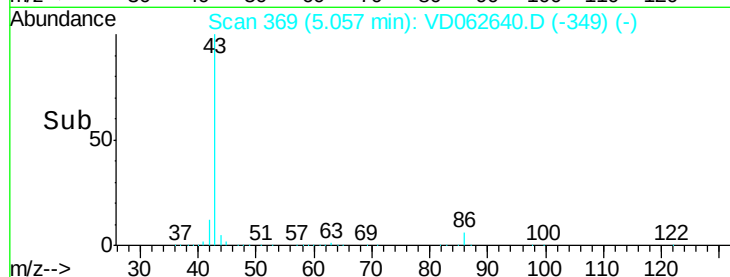
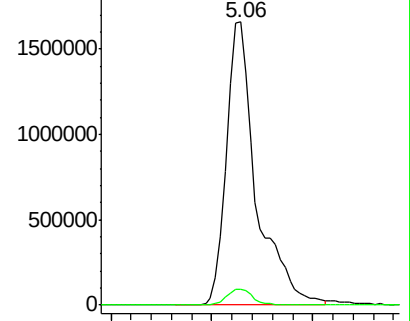
MMDadoda

6/11/2019 2:17:24 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: 109.512 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

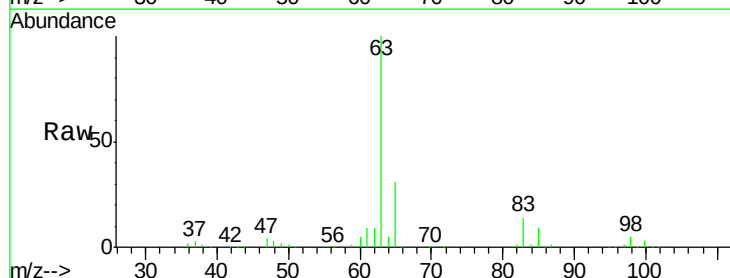
Tgt Ion: 63 Resp: 1434584

Ion Ratio Lower Upper

63 100

98 4.5 1.8 5.4

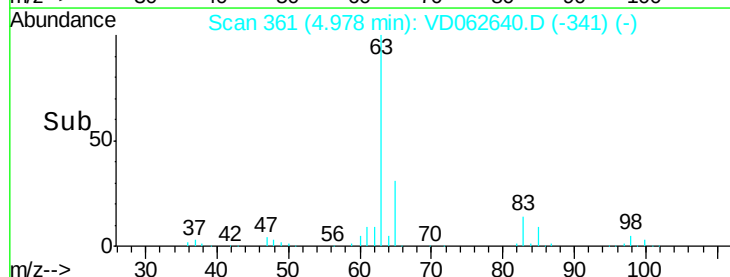
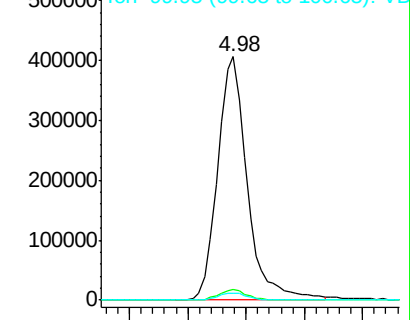
100 2.6 1.5 4.4

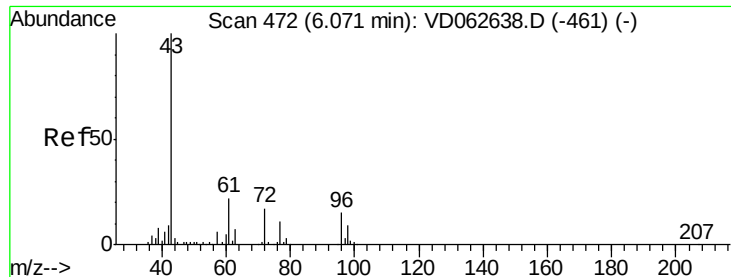


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 538.469 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1000265

Ion Ratio Lower Upper

43 100

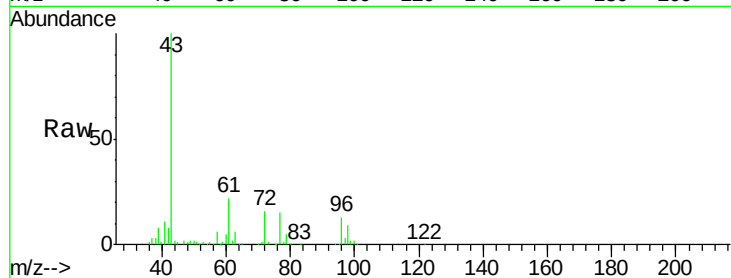
72 16.5 13.5 20.3

Manual Integrations

APPROVED

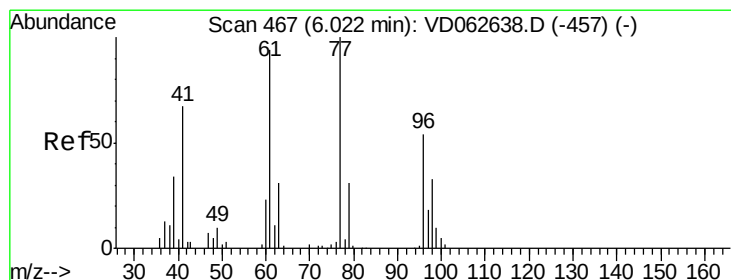
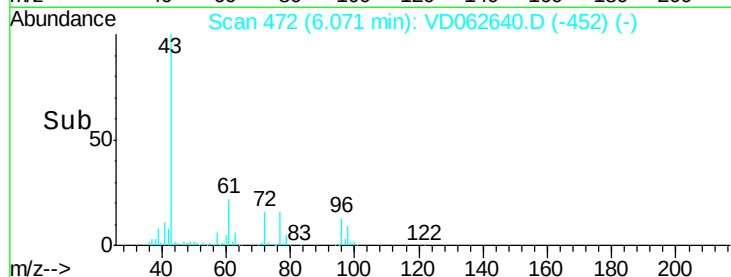
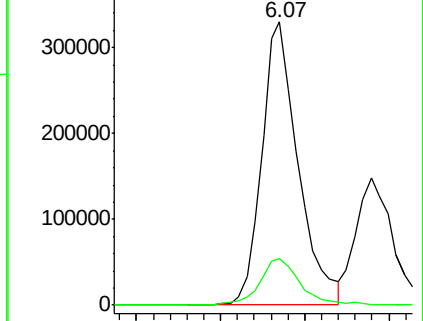
MMDadoda

6/11/2019 2:17:24 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 105.474 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.01 min

Lab File: VD062640.D

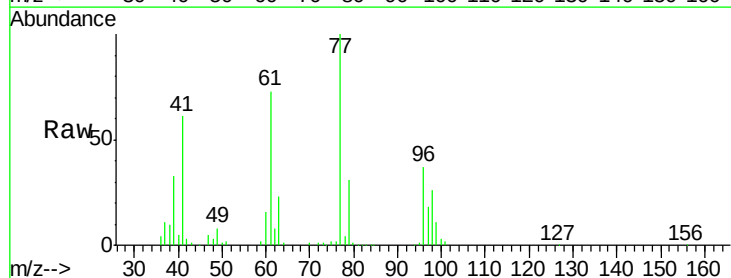
Acq: 7 Jun 2019 13:09

Tgt Ion: 77 Resp: 1598462

Ion Ratio Lower Upper

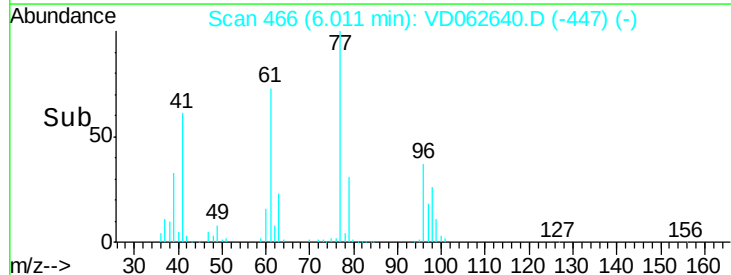
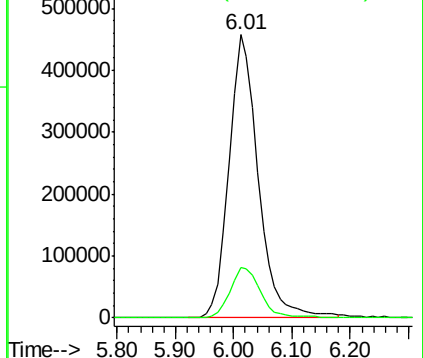
77 100

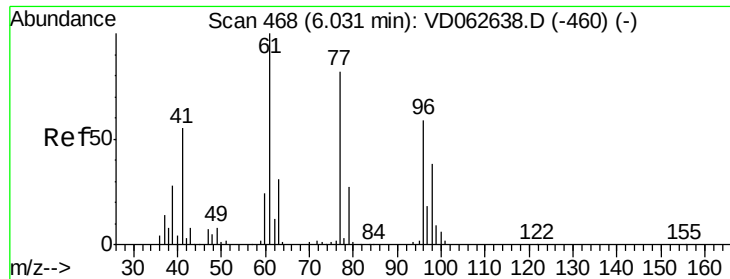
97 17.8 8.8 26.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

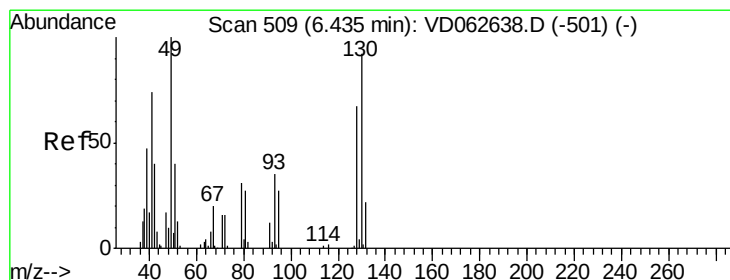
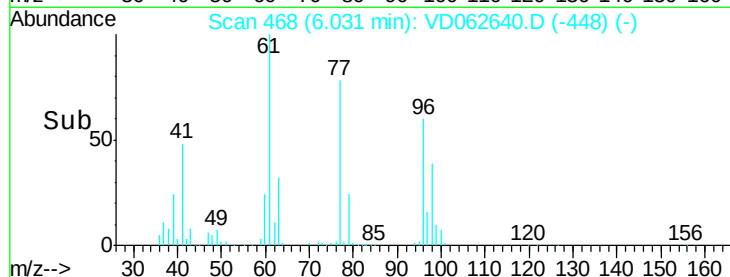
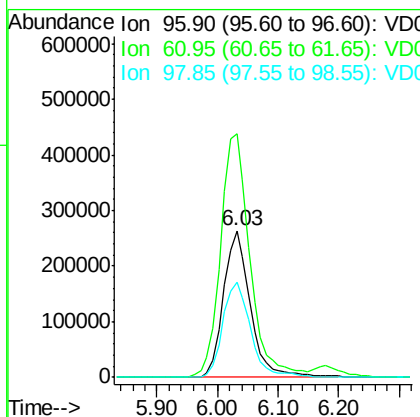
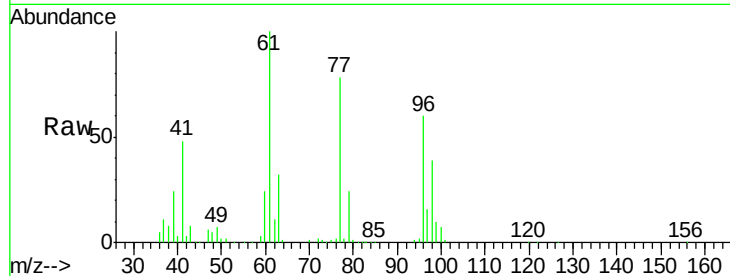
cis-1,2-Dichloroethene
Concen: 108.564 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.00 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	165.8	0.0	340.0
98	65.0	0.0	127.6

Manual Integrations
APPROVED

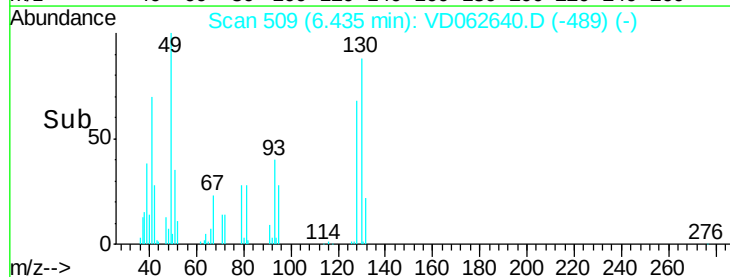
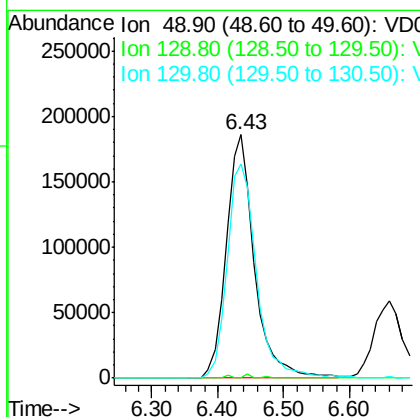
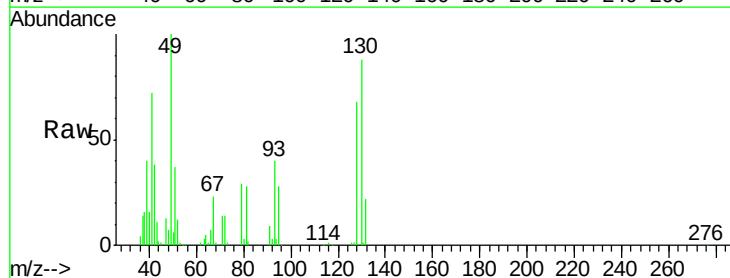
MMDadoda
6/11/2019 2:17:24 AM

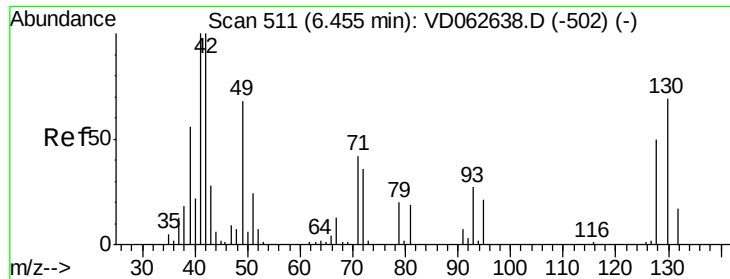


#28

Bromochloromethane
Concen: 118.501 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.00 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	8.2
130	88.2	73.4	110.0





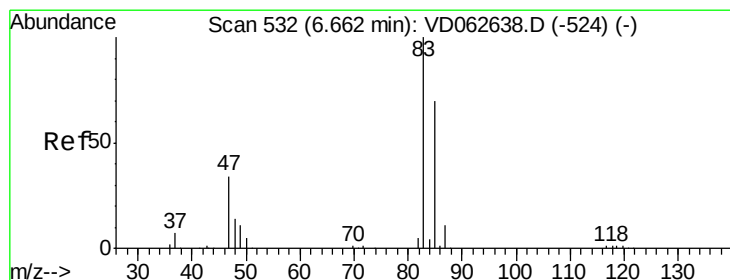
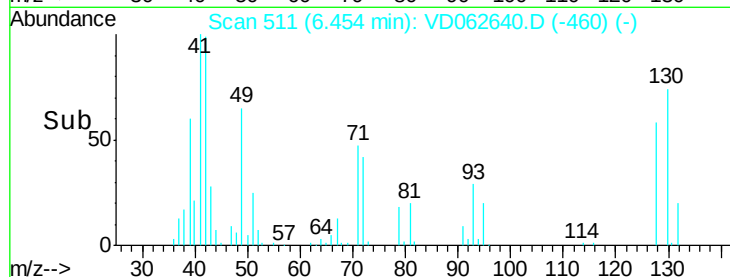
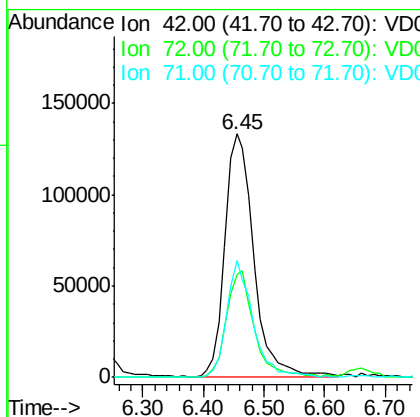
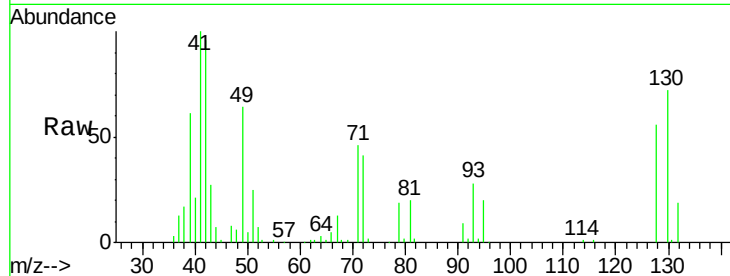
#29
Tetrahydrofuran
Concen: 530.049 ug/l
RT: 6.45 min Scan# 511
Delta R.T. -0.00 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	33.8	50.6
71	43.8	34.2	51.4

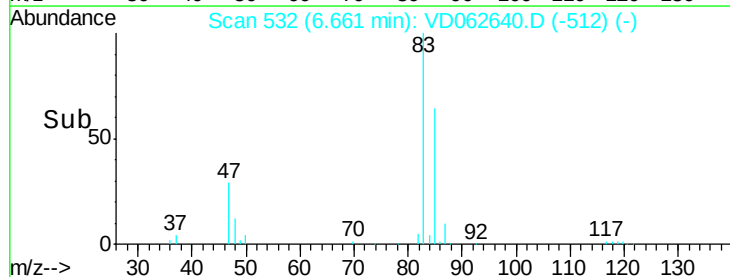
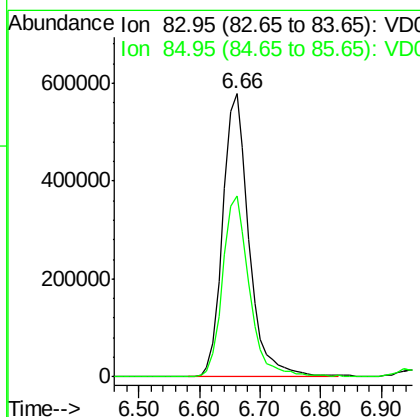
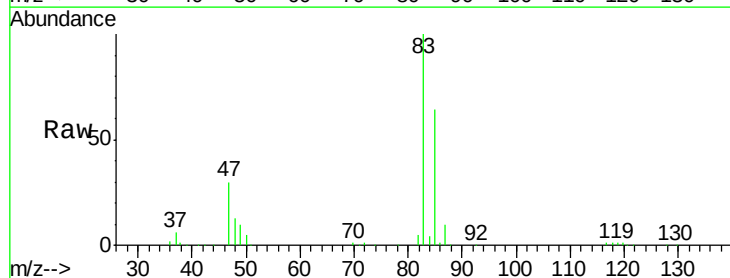
Manual Integrations
APPROVED

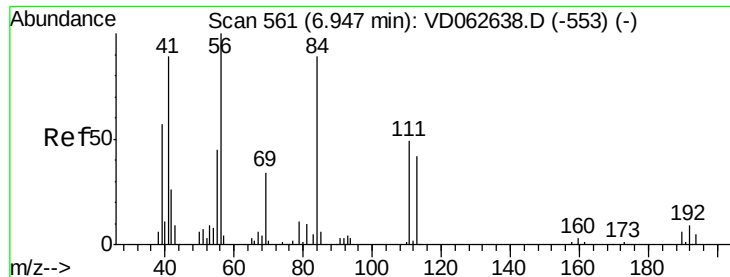
MMDadoda
6/11/2019 2:17:24 AM



#30
Chloroform
Concen: 103.466 ug/l
RT: 6.66 min Scan# 532
Delta R.T. -0.00 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	55.8	83.6





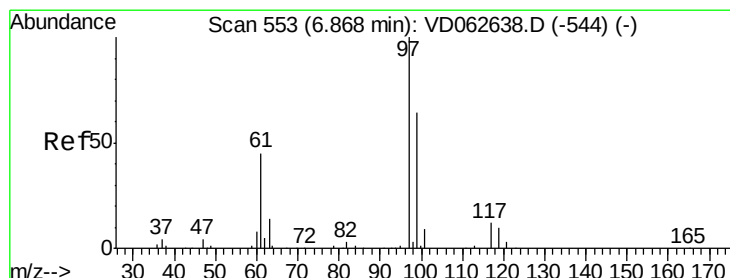
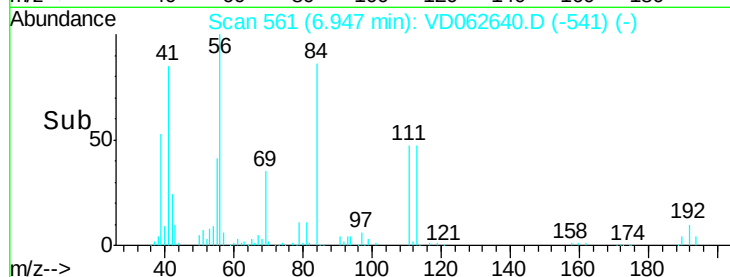
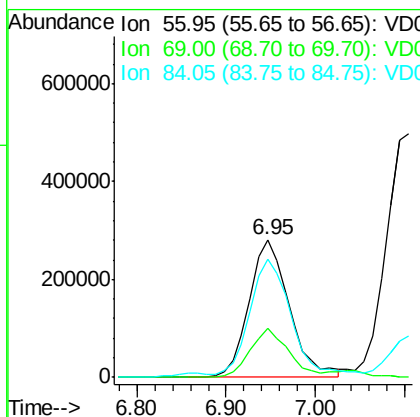
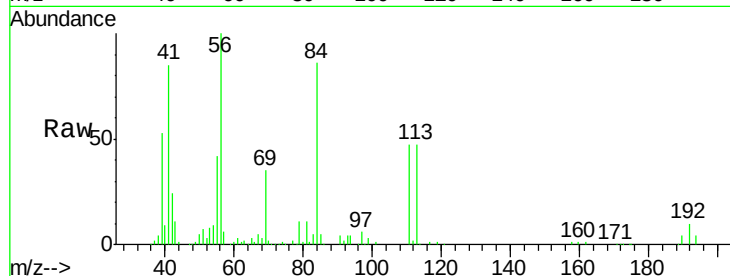
#31
Cyclohexane
Concen: 108.962 ug/l
RT: 6.95 min Scan# 561
Delta R.T. -0.00 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.3	26.8	40.2
84	86.0	73.9	110.9

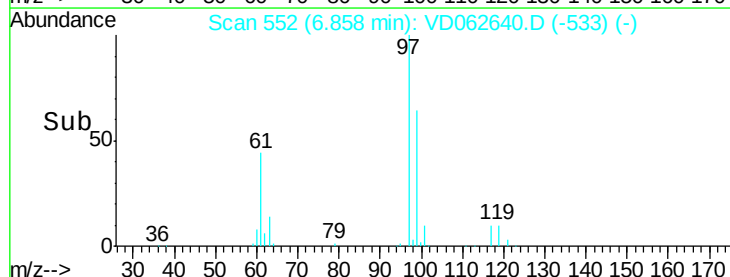
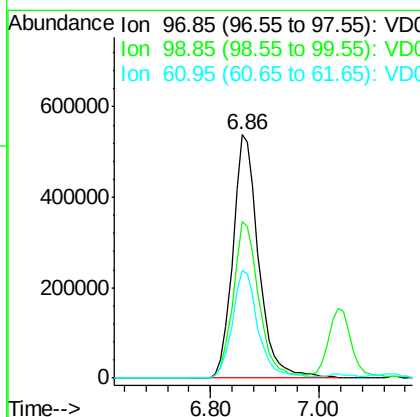
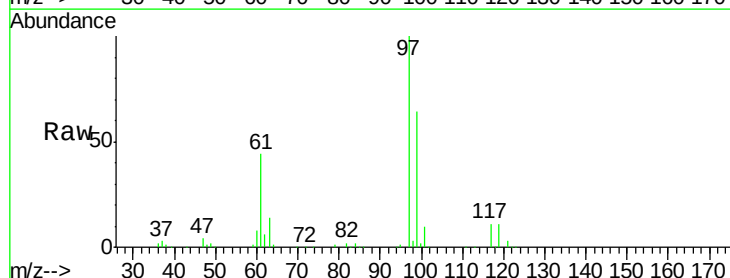
Manual Integrations
APPROVED

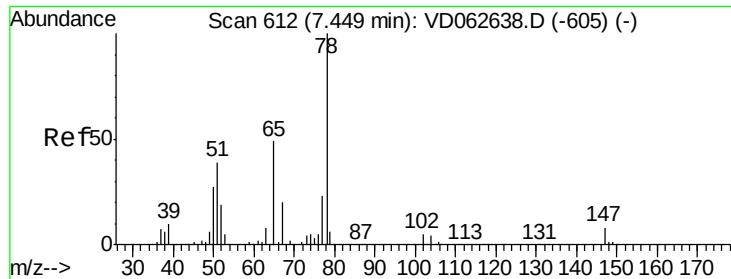
MMDadoda
6/11/2019 2:17:24 AM



#32
1,1,1-Trichloroethane
Concen: 104.711 ug/l
RT: 6.86 min Scan# 552
Delta R.T. -0.01 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.0
61	44.1	35.6	53.4





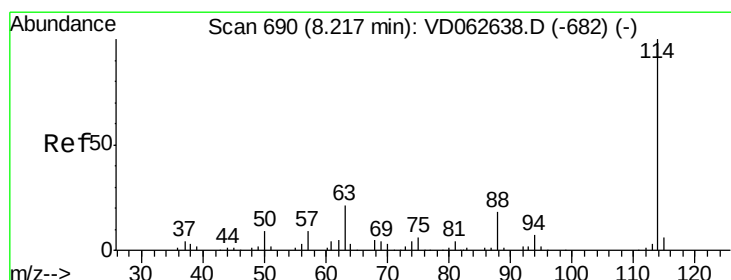
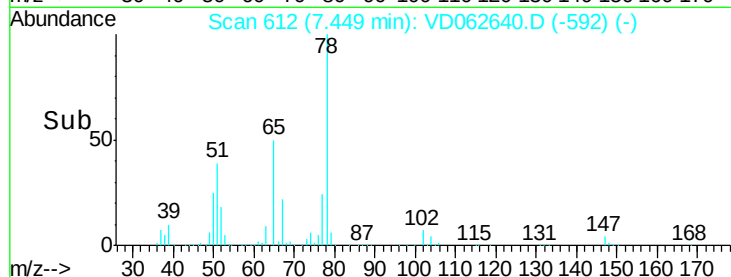
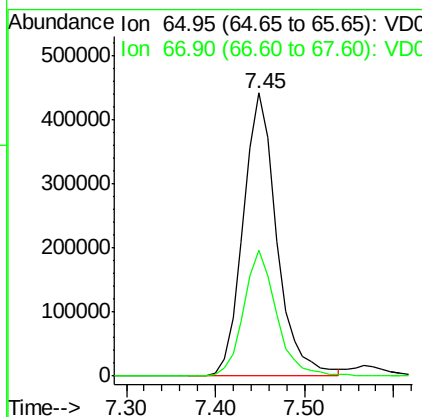
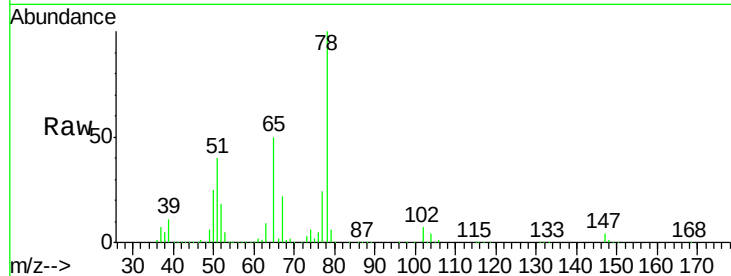
#33
 1,2-Dichloroethane-d4
 Concen: 112.236 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VD062640.D
 Acq: 7 Jun 2019 13:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 65 Resp: 1151168
 Ion Ratio Lower Upper
 65 100
 67 44.3 0.0 81.8

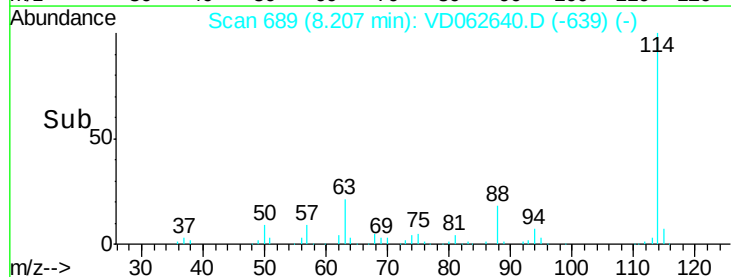
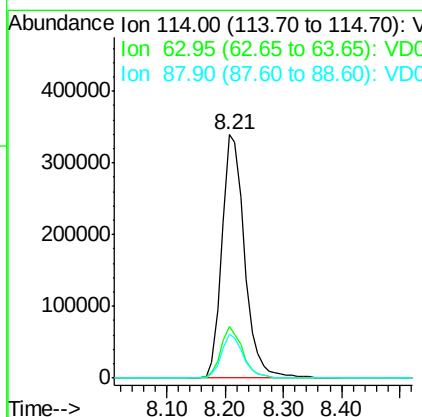
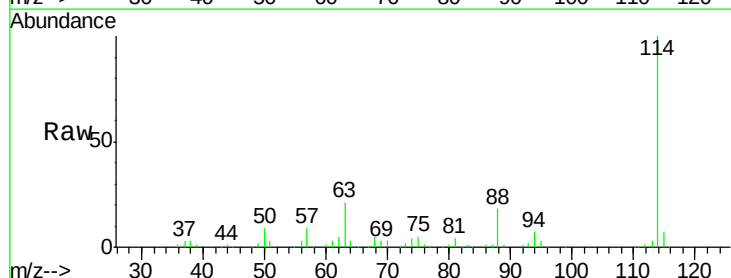
Manual Integrations
 APPROVED

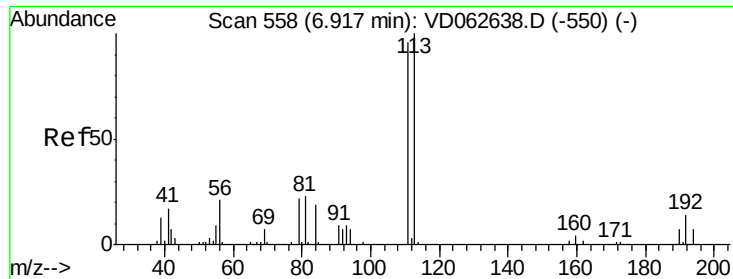
MMDadoda
 6/11/2019 2:17:24 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD062640.D
 Acq: 7 Jun 2019 13:09

Tgt Ion: 114 Resp: 915495
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 42.4
 88 18.1 0.0 36.8





#35

Dibromofluoromethane

Concen: 115.154 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:113 Resp: 1112063

Ion Ratio Lower Upper

113 100

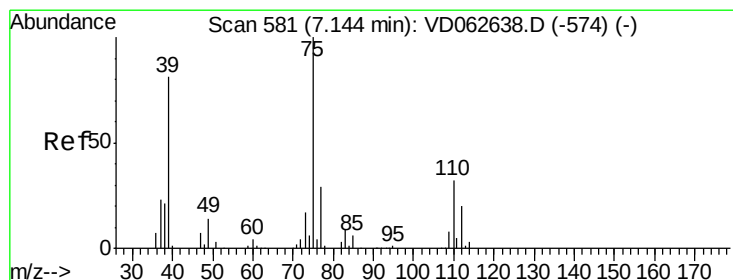
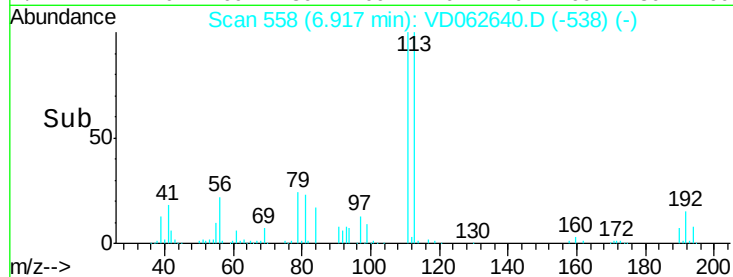
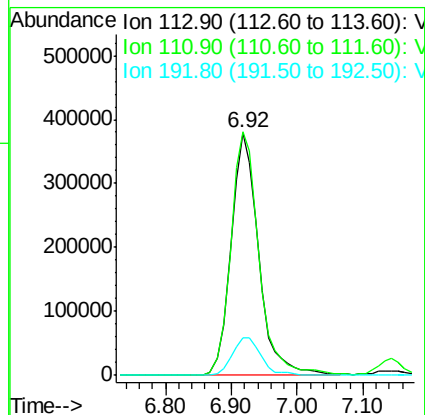
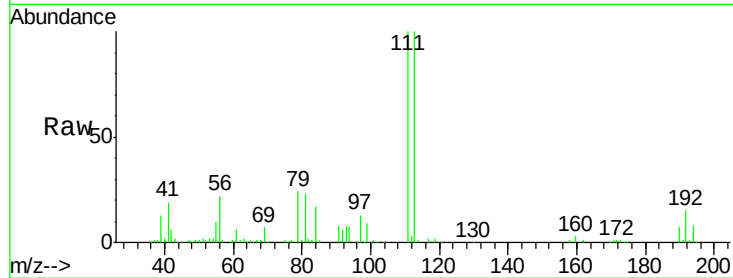
111 100.4 76.4 114.6

192 15.3 11.4 17.0

Manual Integrations
APPROVED

MMDadoda

6/11/2019 2:17:24 AM



#36

1,1-Dichloropropene

Concen: 111.333 ug/l

RT: 7.14 min Scan# 581

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

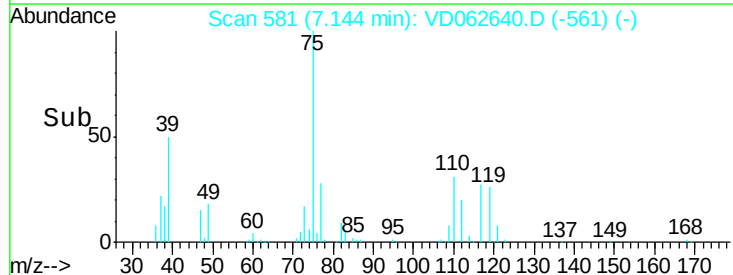
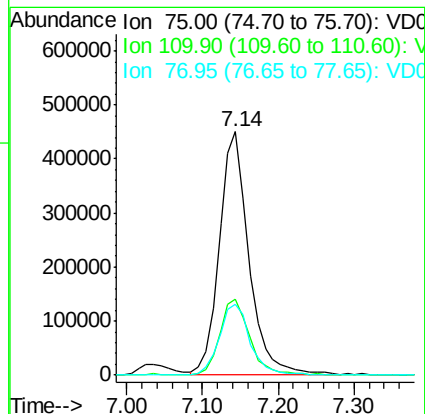
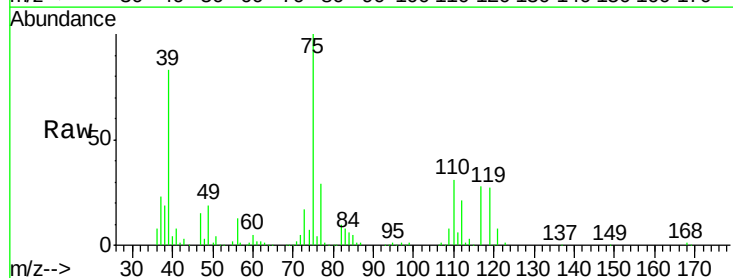
Tgt Ion: 75 Resp: 1213910

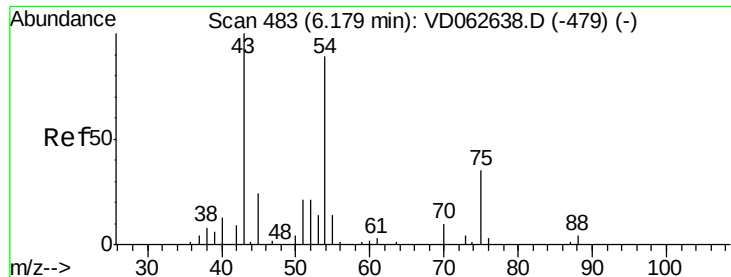
Ion Ratio Lower Upper

75 100

110 31.2 15.9 47.7

77 29.2 23.3 34.9





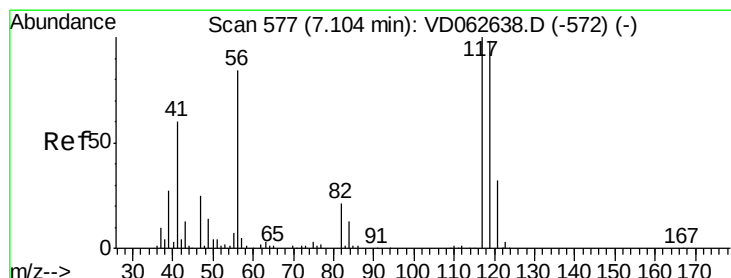
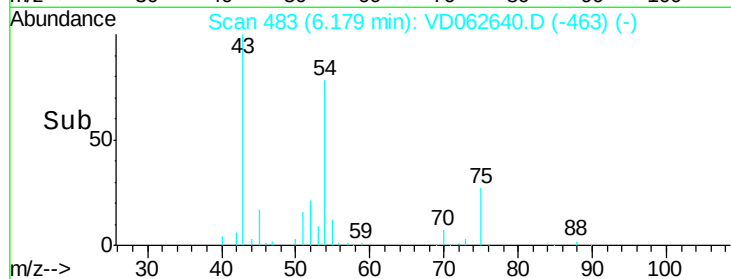
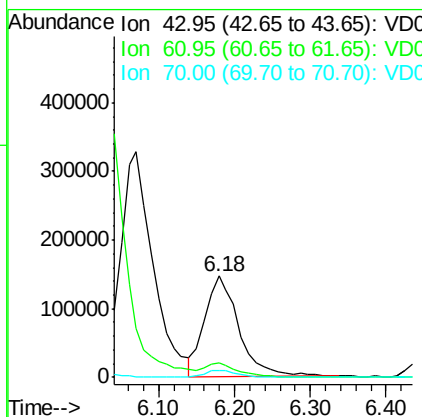
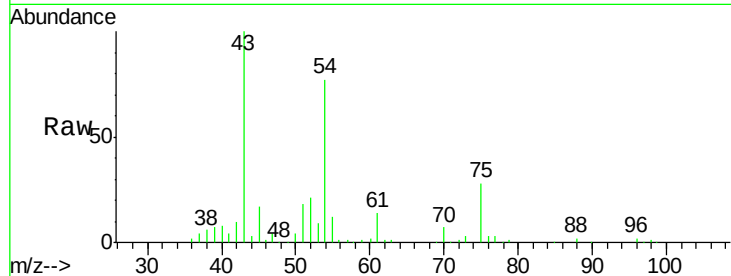
#37
Ethyl Acetate
Concen: 97.270 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.00 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	8.7	13.1#
70	7.3	6.5	9.7

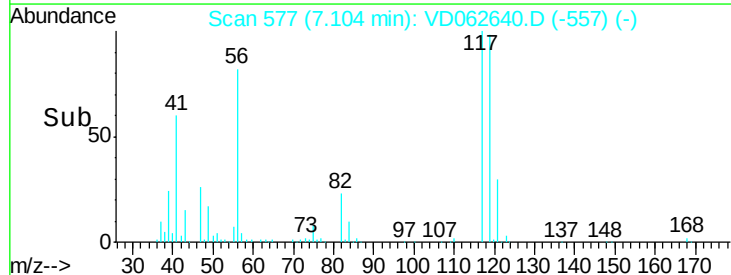
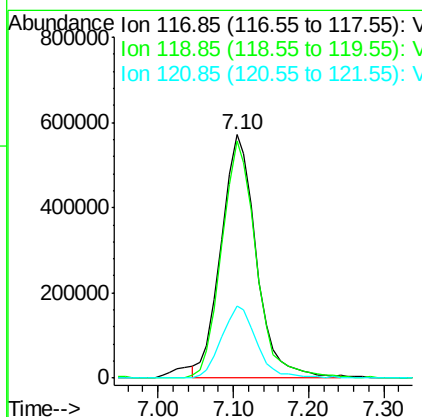
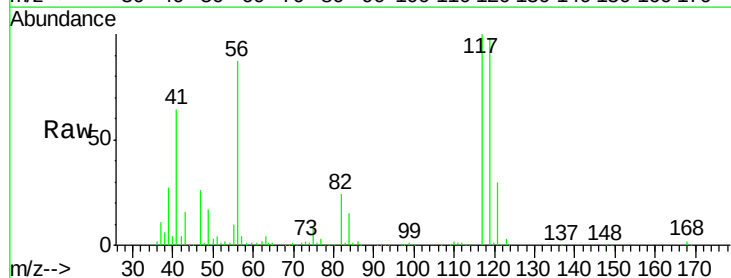
Manual Integrations
APPROVED

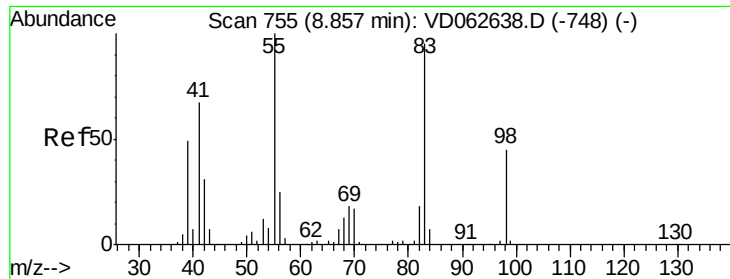
MMDadoda
6/11/2019 2:17:24 AM



#38
Carbon Tetrachloride
Concen: 108.815 ug/l m
RT: 7.10 min Scan# 577
Delta R.T. -0.00 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	73.5	110.3
121	29.8	24.2	36.4





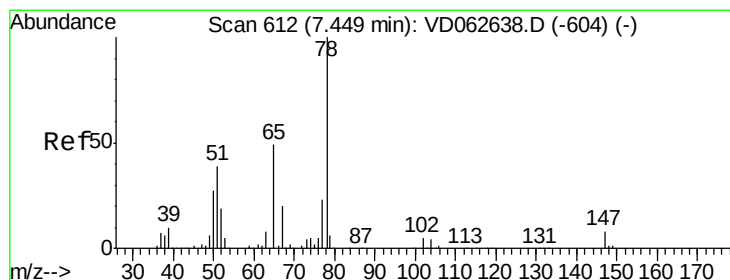
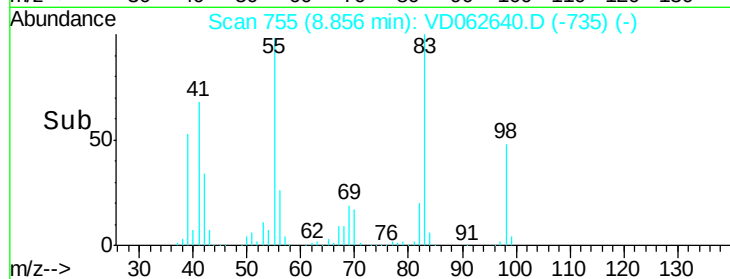
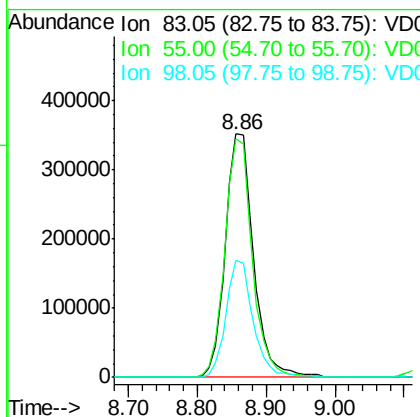
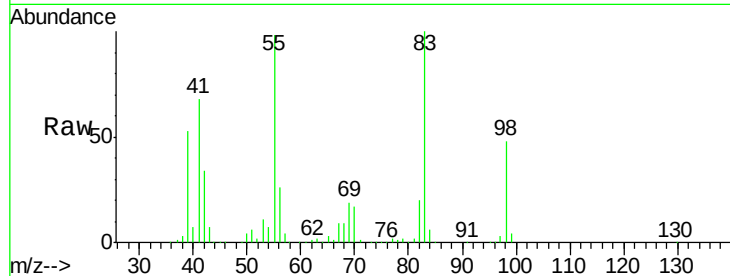
#39
Methylvlcyclohexane
Concen: 114.984 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.00 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	98.1	84.6	127.0
98	48.1	38.2	57.4

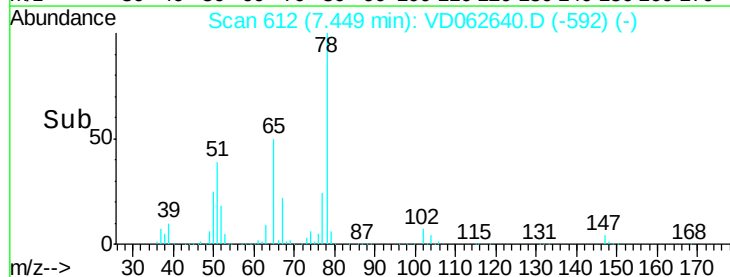
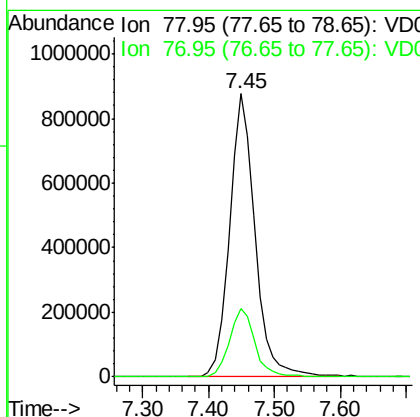
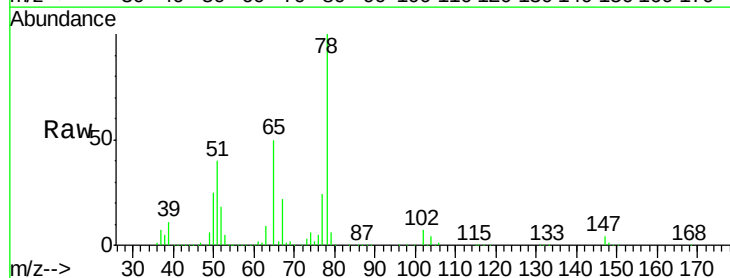
Manual Integrations
APPROVED

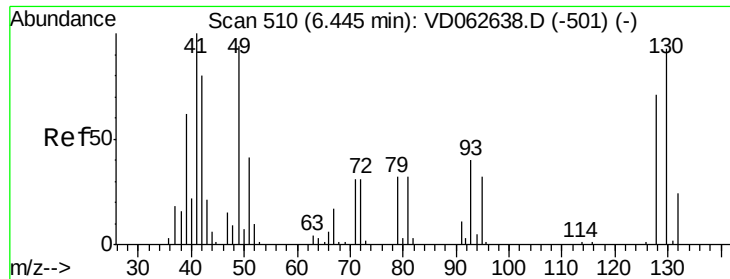
MMDadoda
6/11/2019 2:17:24 AM



#40
Benzene
Concen: 114.328 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.00 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.6	28.0





#41

Methacrylonitrile

Concen: 105.526 ug/l

RT: 6.44 min Scan# 510

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 41 Resp: 601164
Ion Ratio Lower Upper

41 100

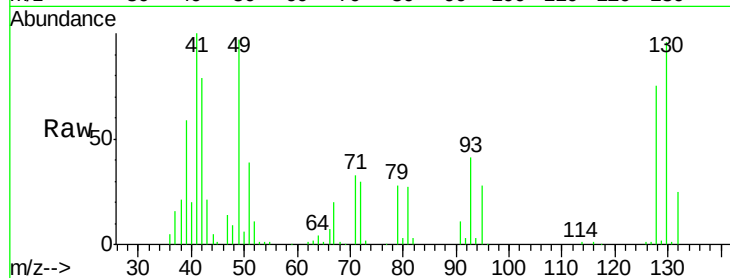
39 58.8 49.2 73.8

67 19.8 13.9 20.9

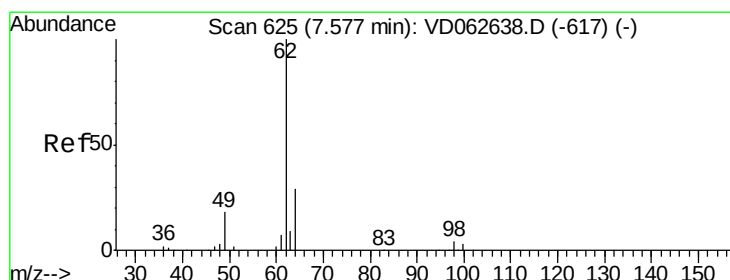
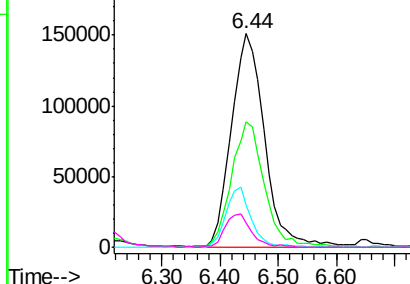
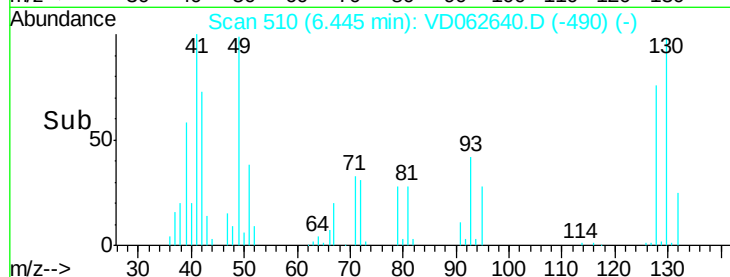
52 11.3 7.6 11.4

Manual Integrations
APPROVED

MMDadoda
6/11/2019 2:17:24 AM



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 108.264 ug/l

RT: 7.58 min Scan# 625

Delta R.T. -0.00 min

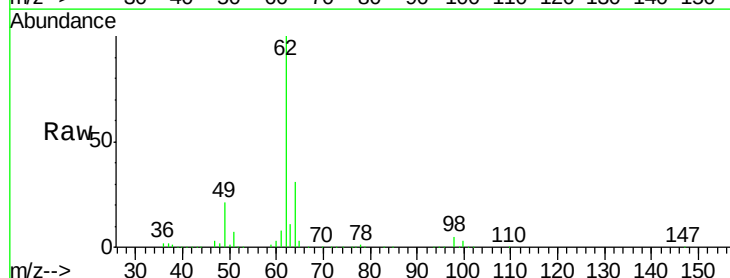
Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

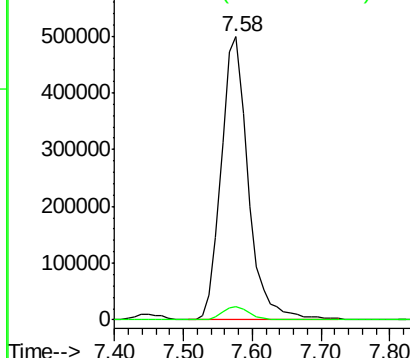
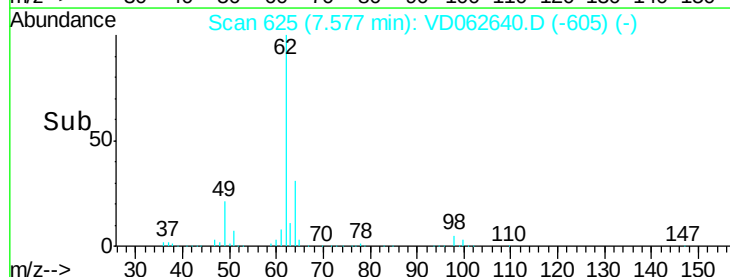
Tgt Ion: 62 Resp: 1348569
Ion Ratio Lower Upper

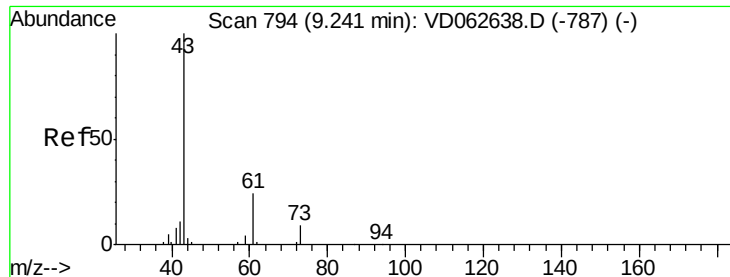
62 100

98 4.8 0.0 7.4



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 113.542 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Instrument :

MSVOA_D

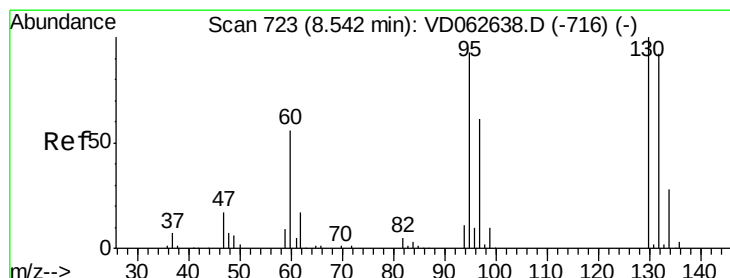
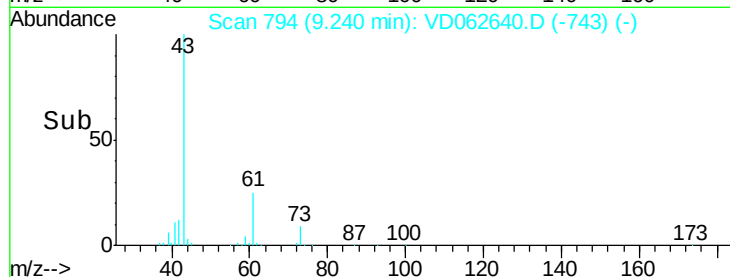
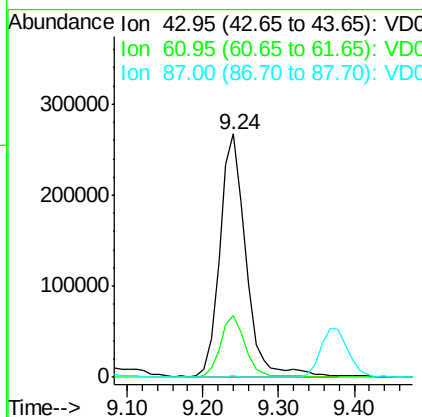
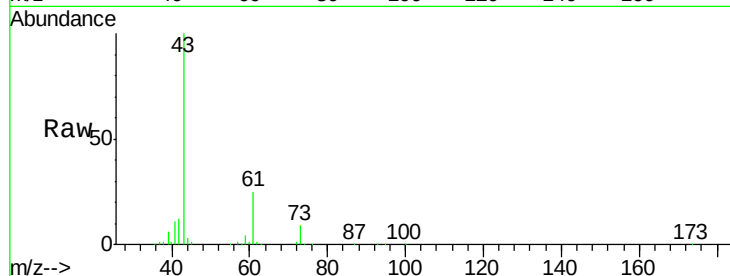
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	633736
Ion	Ratio	Lower	Upper
43	100		
61	25.5	19.0	28.6
87	0.4	0.3	0.5

Manual Integrations
APPROVED

MMDadoda
6/11/2019 2:17:24 AM



#44

Trichloroethene

Concen: 111.676 ug/l

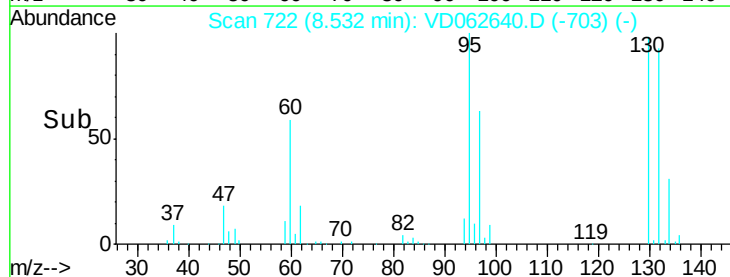
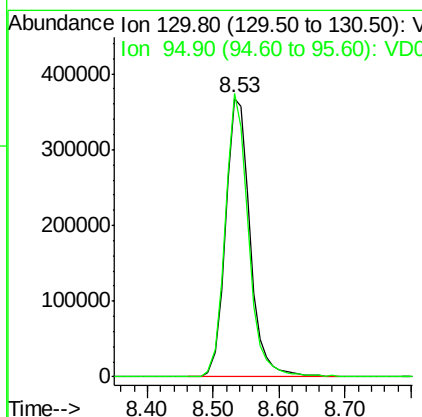
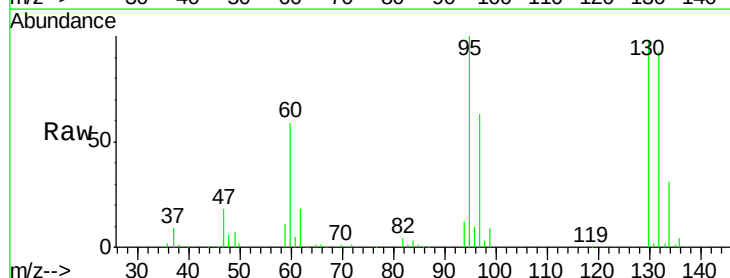
RT: 8.53 min Scan# 722

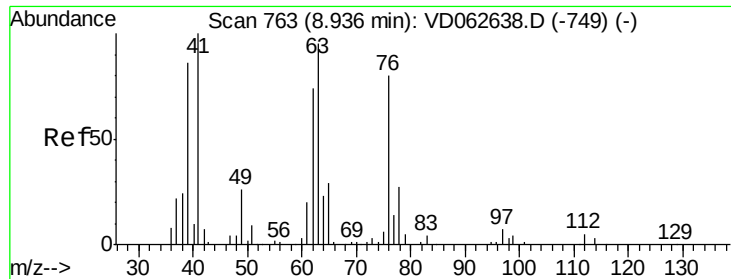
Delta R.T. -0.01 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Tgt Ion:	130	Resp:	957456
Ion	Ratio	Lower	Upper
130	100		
95	101.7	0.0	185.6





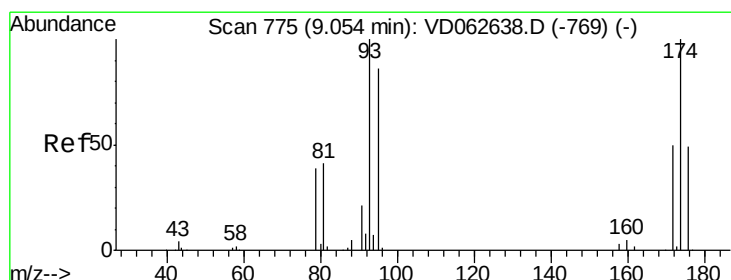
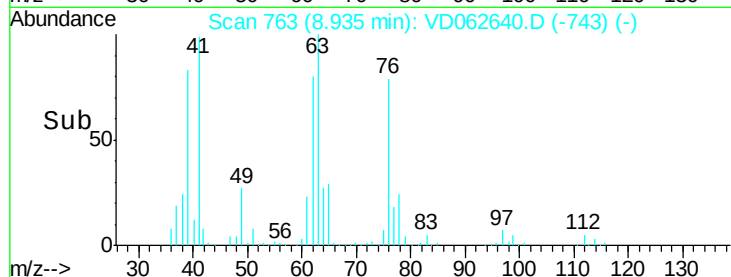
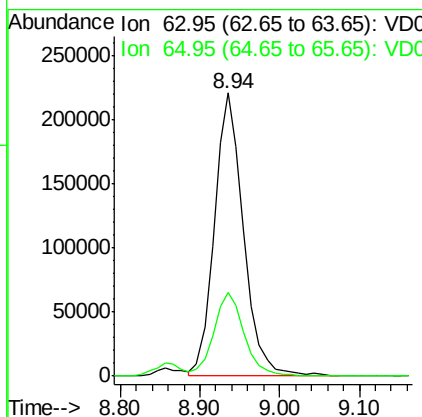
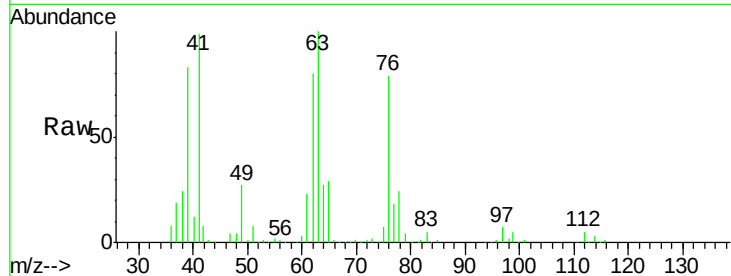
#45
 1,2-Dichloropropane
 Concen: 111.551 ug/l
 RT: 8.94 min Scan# 763
 Delta R.T. -0.00 min
 Lab File: VD062640.D
 Acq: 7 Jun 2019 13:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 562074
 Ion Ratio Lower Upper
 63 100
 65 29.5 24.6 37.0

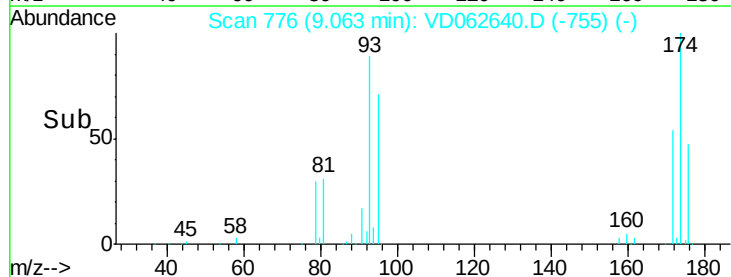
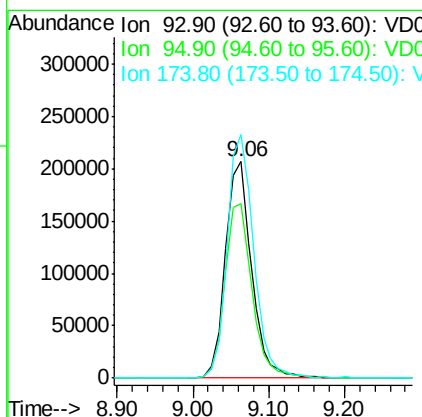
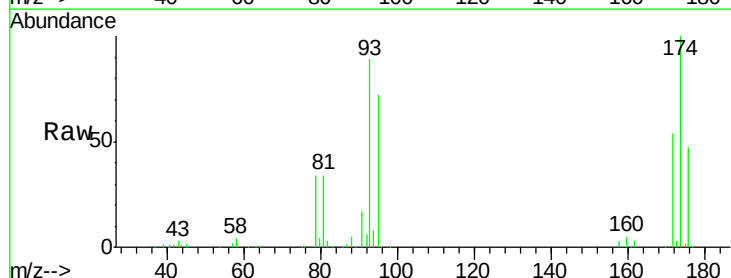
Manual Integrations
 APPROVED

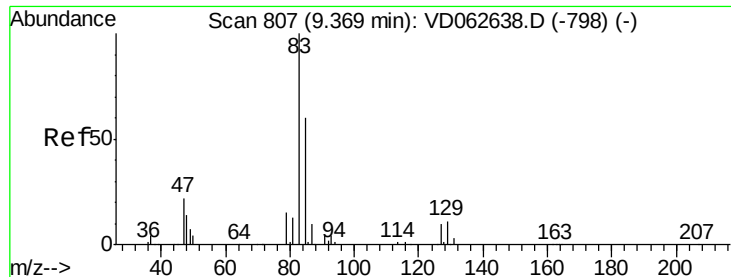
MMDadoda
 6/11/2019 2:17:24 AM



#46
 Dibromomethane
 Concen: 109.549 ug/l
 RT: 9.06 min Scan# 776
 Delta R.T. 0.01 min
 Lab File: VD062640.D
 Acq: 7 Jun 2019 13:09

Tgt Ion: 93 Resp: 494350
 Ion Ratio Lower Upper
 93 100
 95 80.7 68.7 103.1
 174 112.6 79.8 119.8





#47

Bromodichloromethane

Concen: 111.134 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 1361571

Ion Ratio Lower Upper

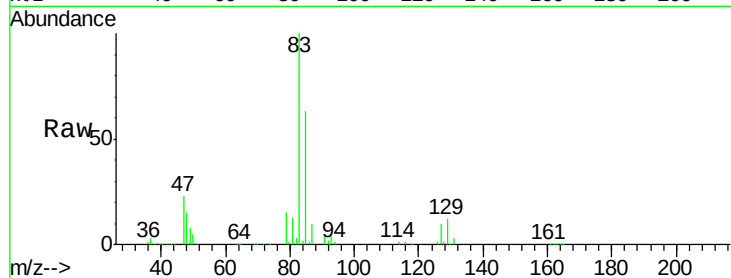
83 100

85 63.2 47.9 71.9

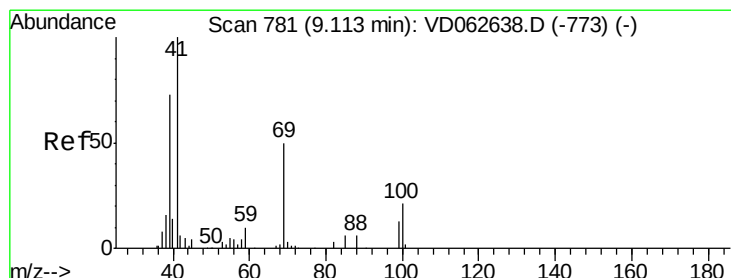
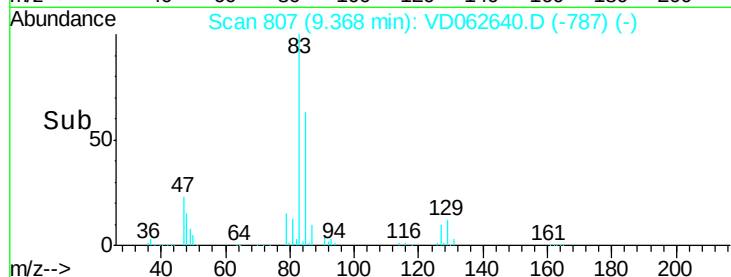
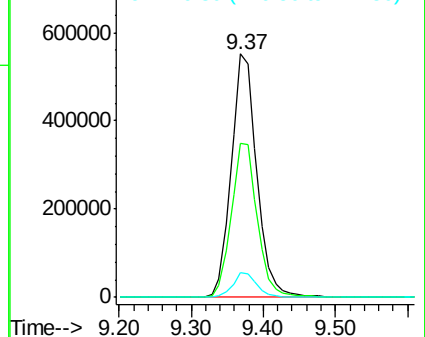
127 10.3 8.2 12.4

Manual Integrations
APPROVED

MMDadoda
6/11/2019 2:17:24 AM



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 105.213 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.01 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

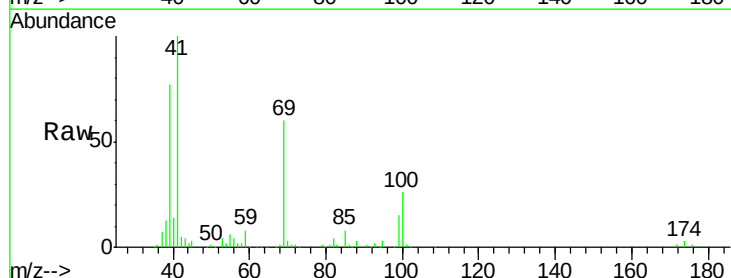
Tgt Ion: 41 Resp: 437171

Ion Ratio Lower Upper

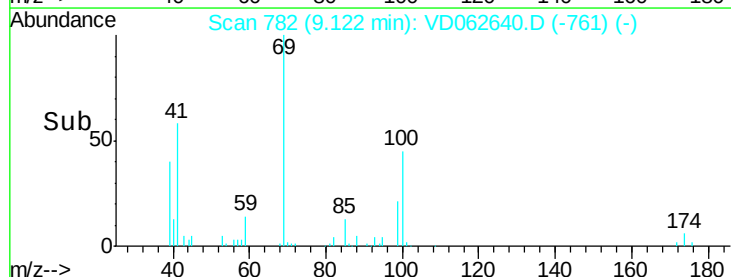
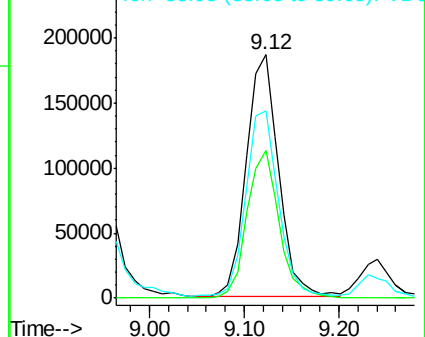
41 100

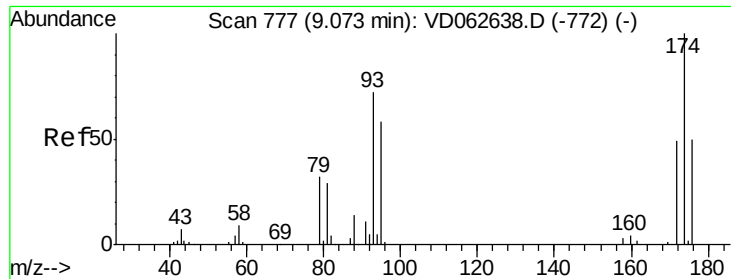
69 60.4 39.8 59.6#

39 77.0 59.1 88.7



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





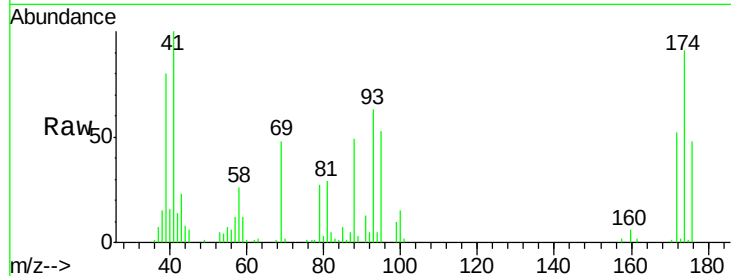
#49
1,4-Dioxane
Concen: 2150.691 ug/l
RT: 9.09 min Scan# 779
Delta R.T. 0.02 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

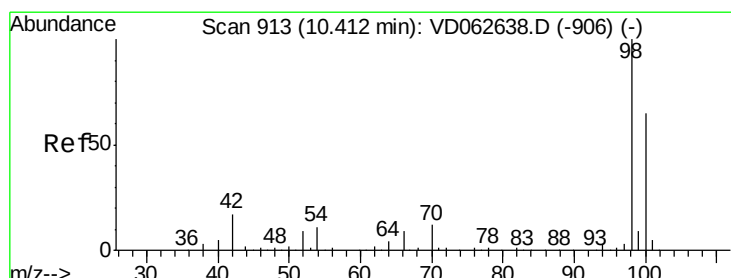
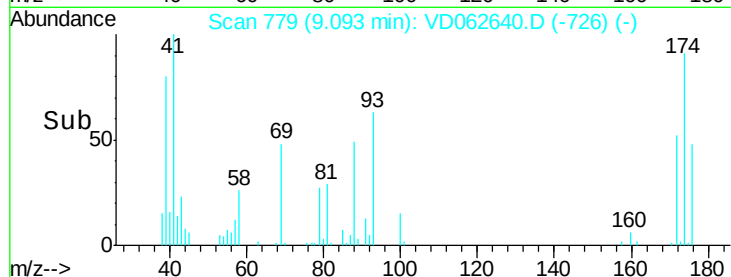
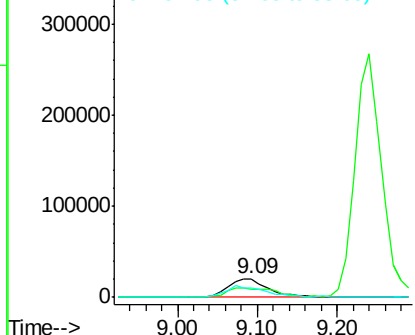
Tot Ion	Ratio	Lower	Upper
88	100		
43	45.9	40.7	61.1
58	53.5	54.2	81.4#

Manual Integrations
APPROVED

MMDadoda
6/11/2019 2:17:24 AM

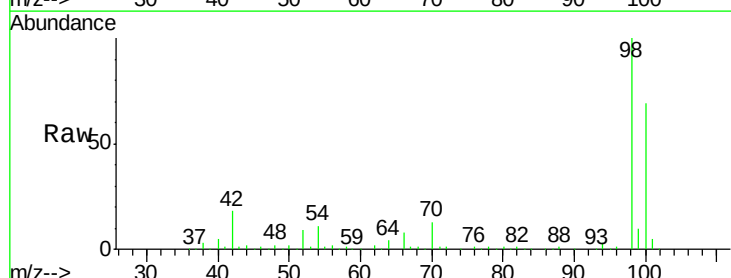


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

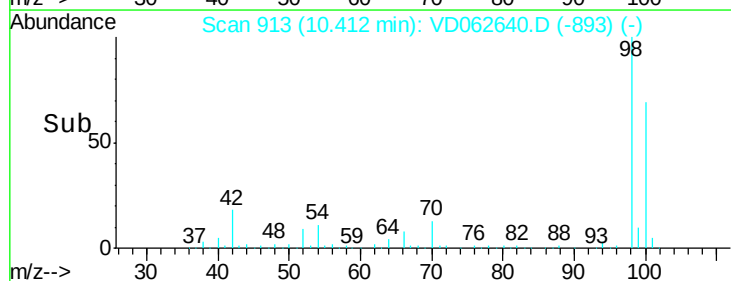
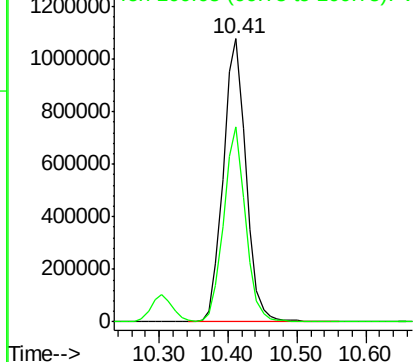


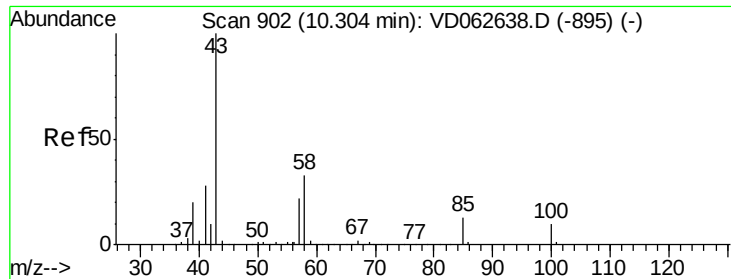
#50
Toluene-d8
Concen: 119.611 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.1	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: 546.788 ug/l

RT: 10.30 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Instrument :

MSVOA_D

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 2167050

Ion Ratio Lower Upper

43 100

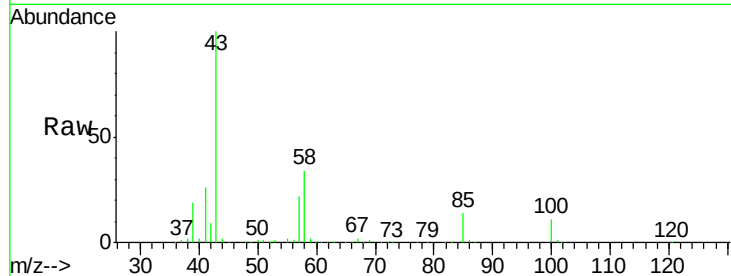
58 33.6 26.1 39.1

Manual Integrations

APPROVED

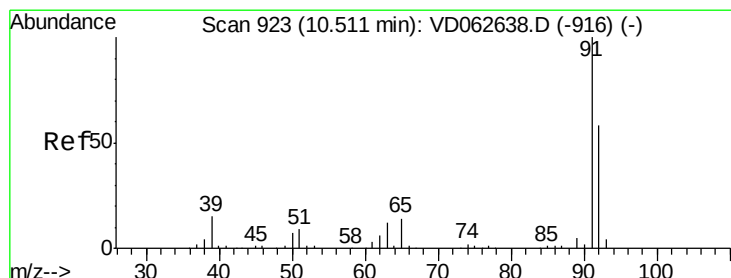
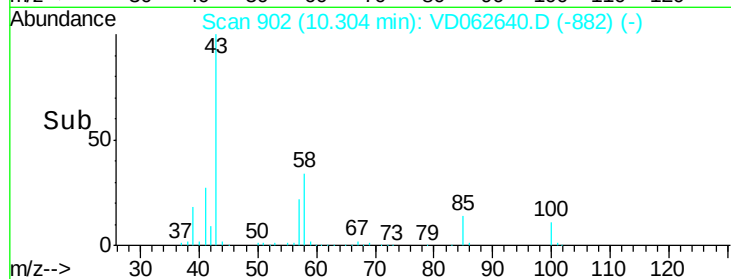
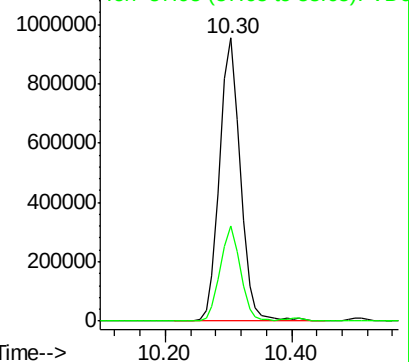
MMDadoda

6/11/2019 2:17:24 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 109.901 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD062640.D

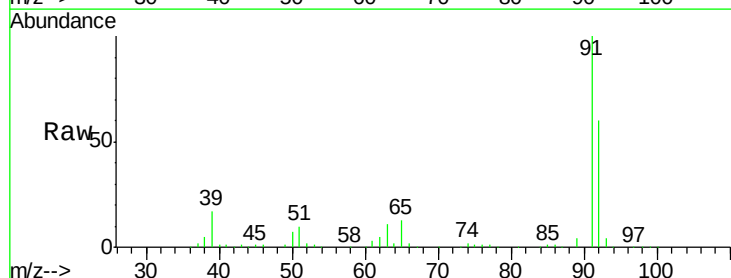
Acq: 7 Jun 2019 13:09

Tgt Ion: 92 Resp: 1561942

Ion Ratio Lower Upper

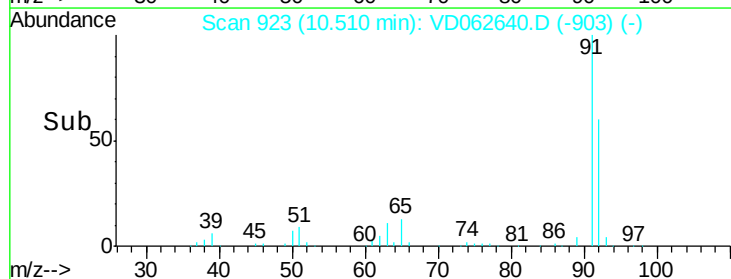
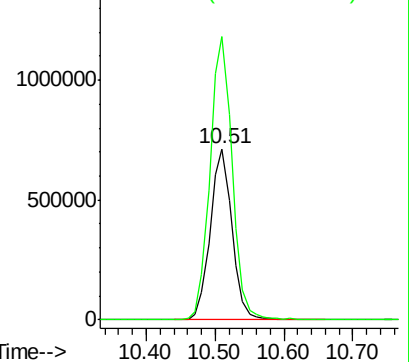
92 100

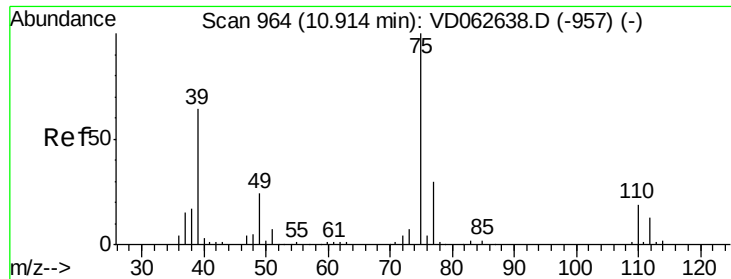
91 165.7 137.0 205.6



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: 115.551 ug/l

RT: 10.91 min Scan# 964

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Tot Ion: 75 Resp: 1165297

Ion Ratio Lower Upper

75 100

77 30.7 24.1 36.1

Instrument :

MSVOA_D

ClientSampleId :

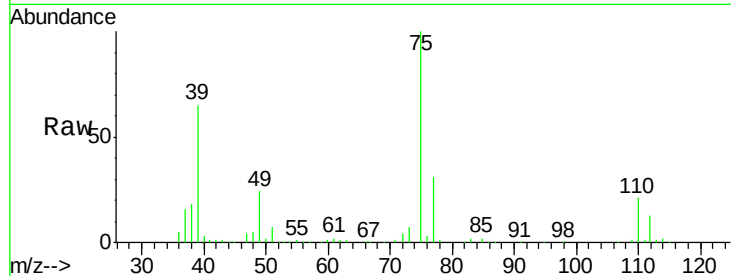
VSTDIC100

Manual Integrations

APPROVED

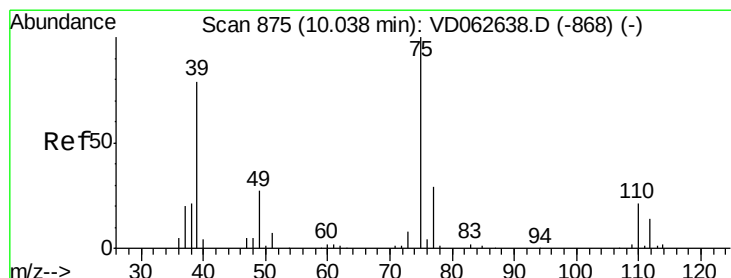
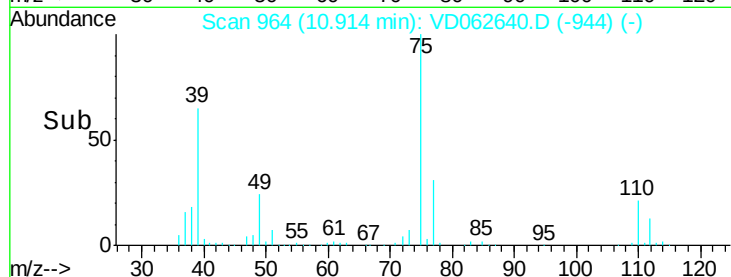
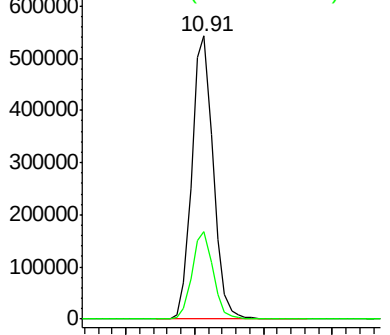
MMDadoda

6/11/2019 2:17:24 AM



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 111.865 ug/l

RT: 10.04 min Scan# 875

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

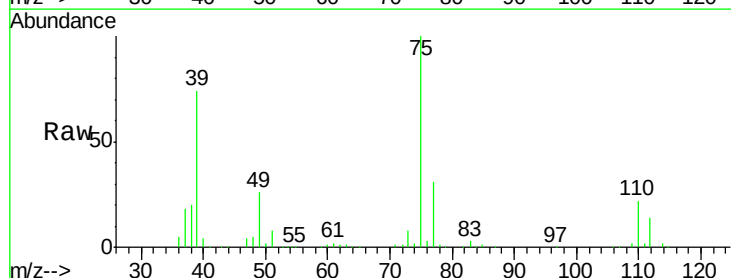
Tgt Ion: 75 Resp: 1167300

Ion Ratio Lower Upper

75 100

77 31.5 23.1 34.7

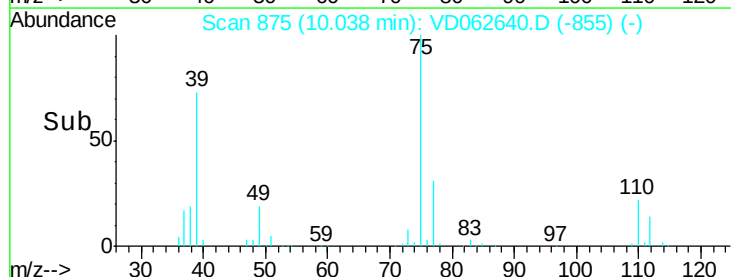
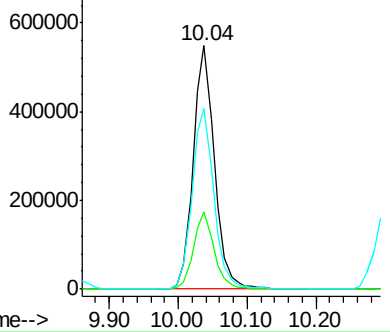
39 74.5 63.4 95.2

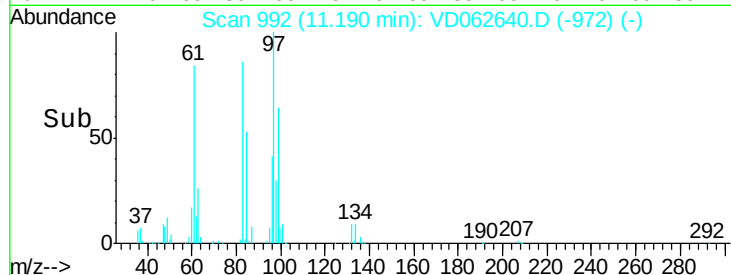
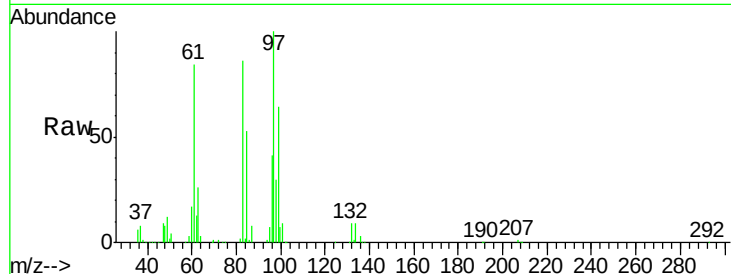
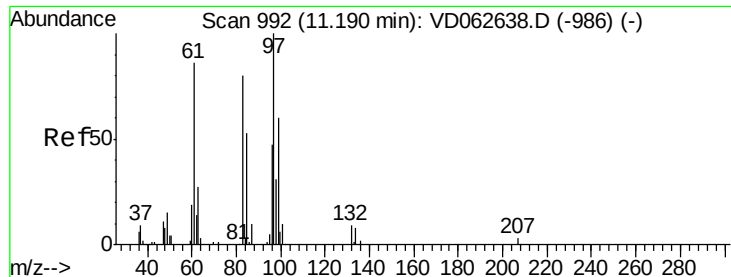


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





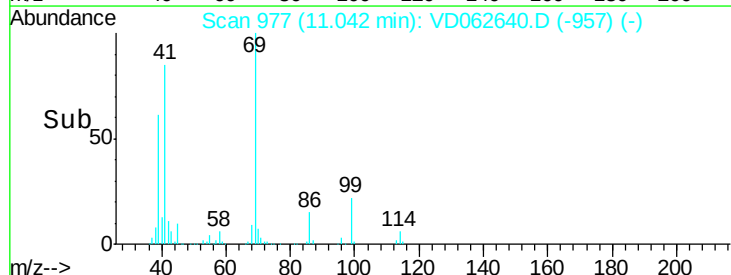
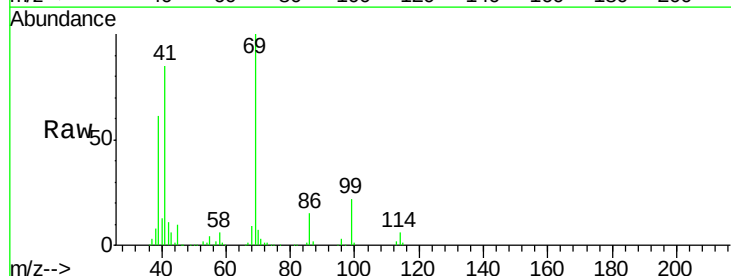
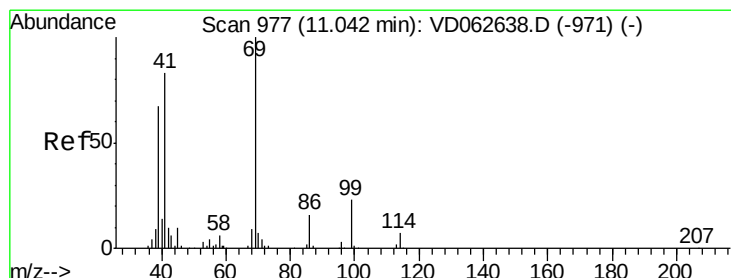
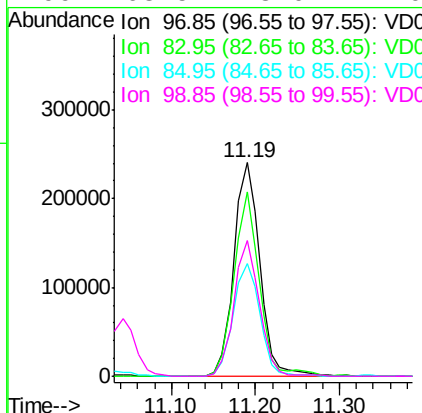
#55
1,1,2-Trichloroethane
Concen: 108.823 ug/l
RT: 11.19 min Scan# 992
Delta R.T. -0.00 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Tot Ion	97	Resp	516787
Ion	Ratio	Lower	Upper
97	100		
83	86.1	63.8	95.8
85	52.6	42.3	63.5
99	63.5	48.0	72.0

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

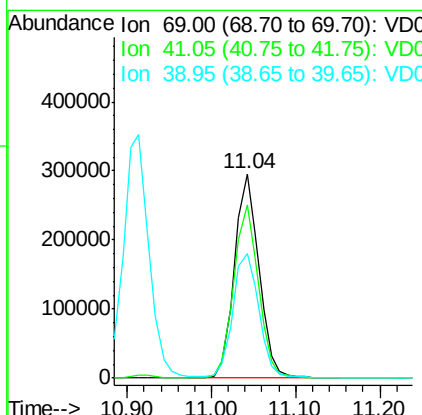
Manual Integrations
APPROVED

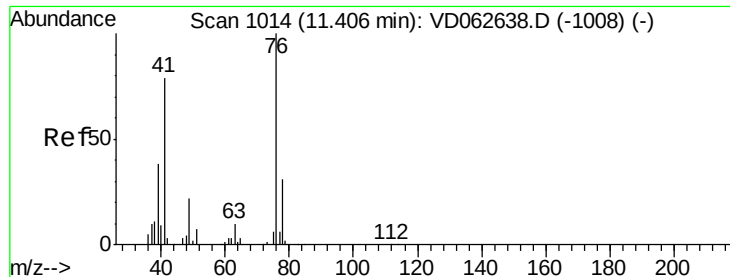
MMDadoda
6/11/2019 2:17:24 AM



#56
Ethyl methacrylate
Concen: 115.817 ug/l
RT: 11.04 min Scan# 977
Delta R.T. -0.00 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Tgt Ion	69	Resp	601191
Ion	Ratio	Lower	Upper
69	100		
41	84.9	66.2	99.4
39	60.7	53.8	80.8





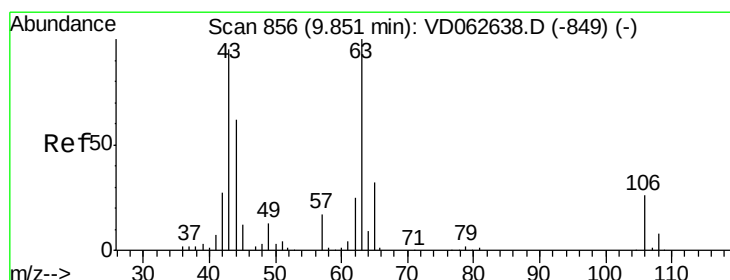
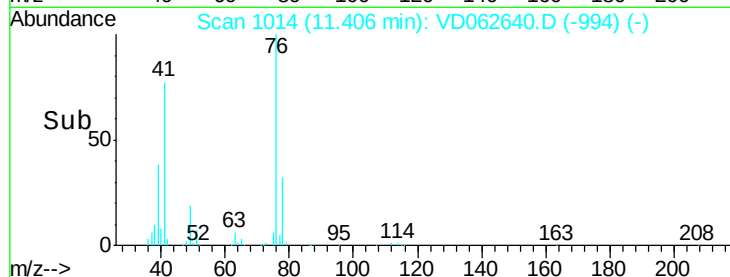
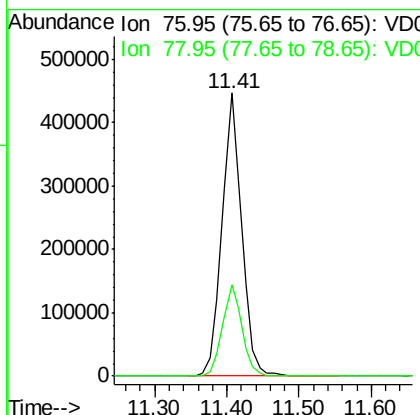
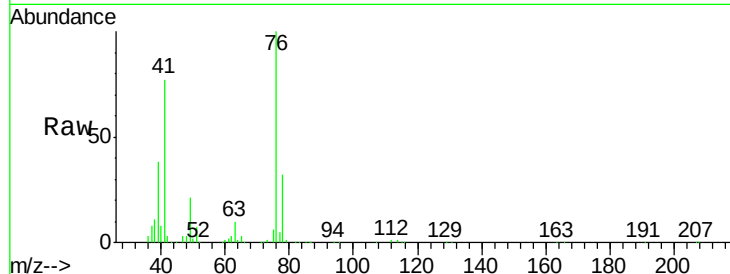
#57
 1,3-Dichloropropane
 Concen: 112.665 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VD062640.D
 Acq: 7 Jun 2019 13:09

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC100

Tot Ion: 76 Resp: 841446
 Ion Ratio Lower Upper
 76 100
 78 32.1 24.9 37.3

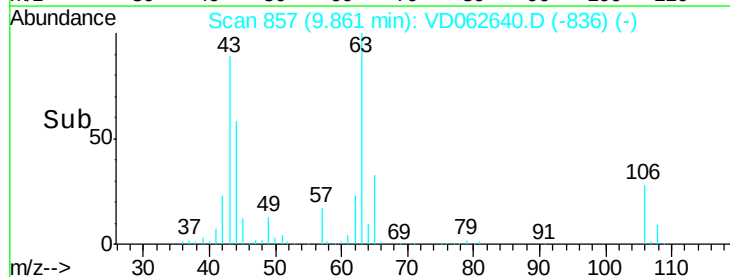
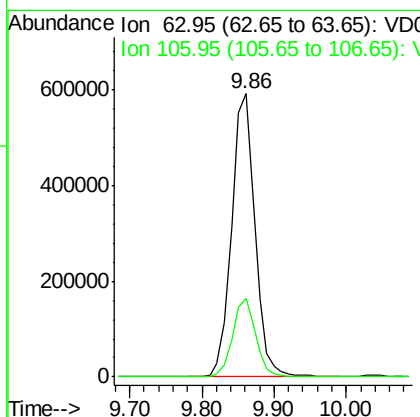
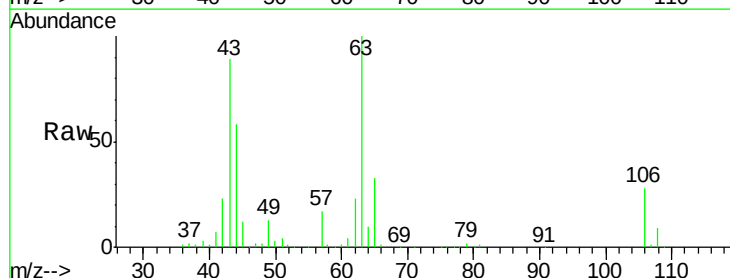
Manual Integrations
 APPROVED

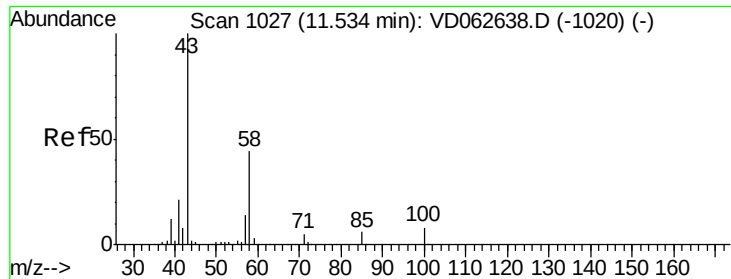
MMDadoda
 6/11/2019 2:17:24 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 514.625 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.01 min
 Lab File: VD062640.D
 Acq: 7 Jun 2019 13:09

Tgt Ion: 63 Resp: 1342563
 Ion Ratio Lower Upper
 63 100
 106 27.8 20.5 30.7





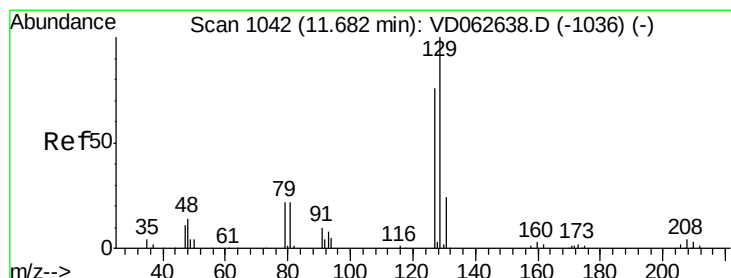
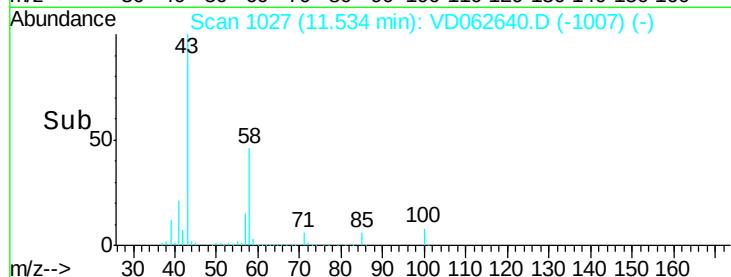
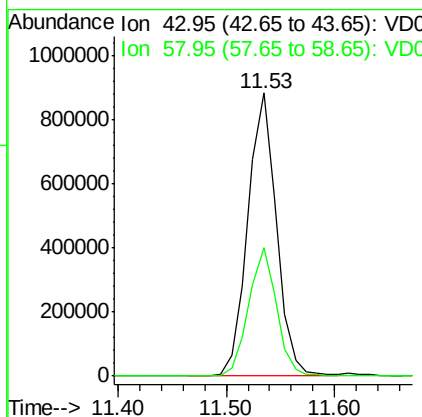
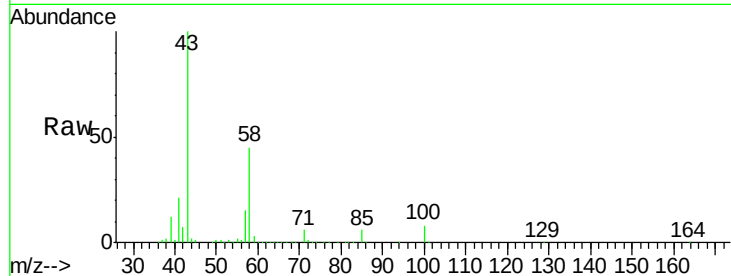
#59
2-Hexanone
Concen: 545.589 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1627596
Ion Ratio Lower Upper
43 100
58 45.4 21.8 65.4

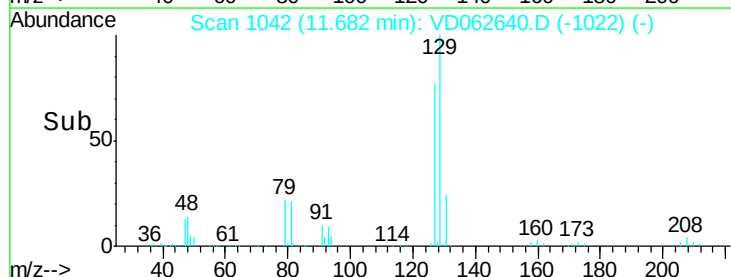
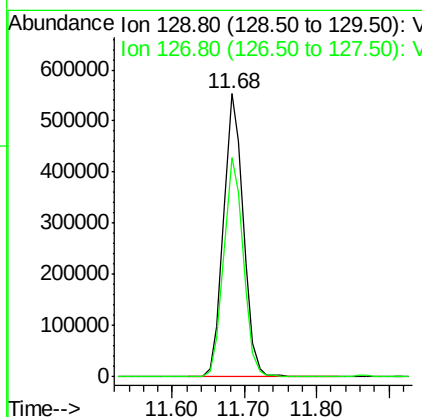
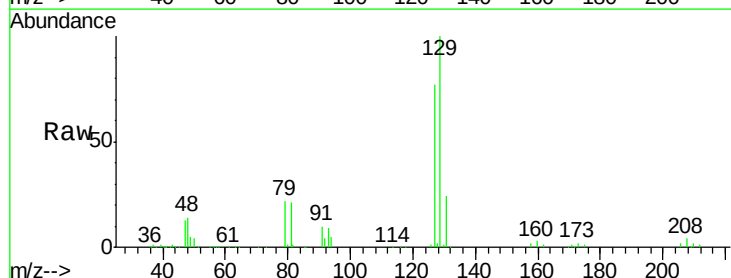
Manual Integrations
APPROVED

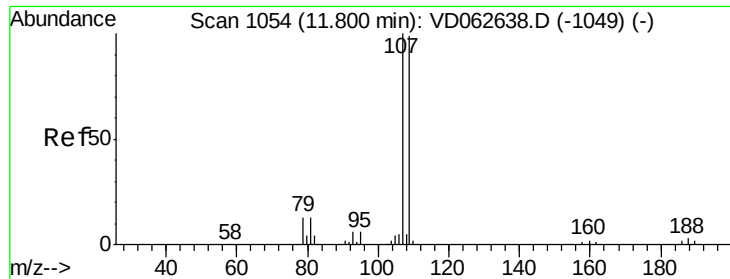
MMDadoda
6/11/2019 2:17:24 AM



#60
Dibromochloromethane
Concen: 111.853 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Tgt Ion: 129 Resp: 1055055
Ion Ratio Lower Upper
129 100
127 77.4 38.0 114.1





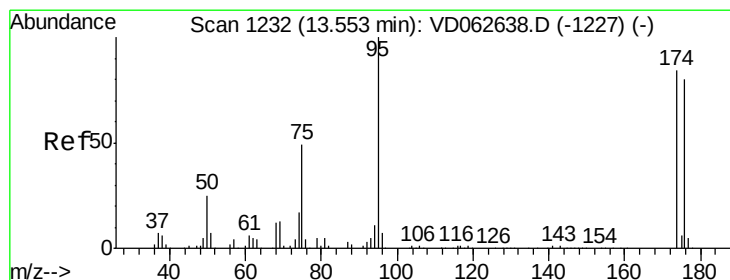
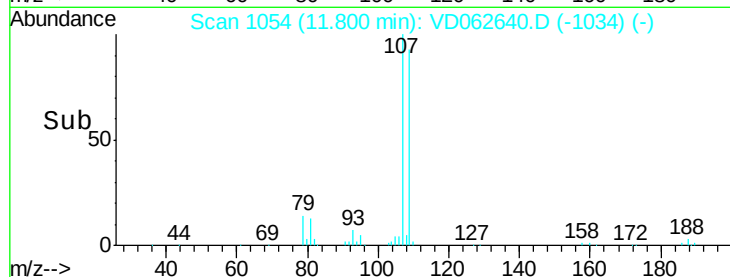
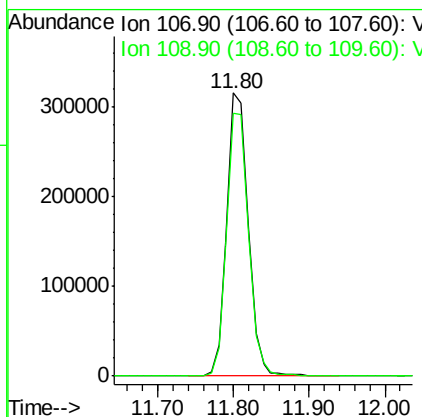
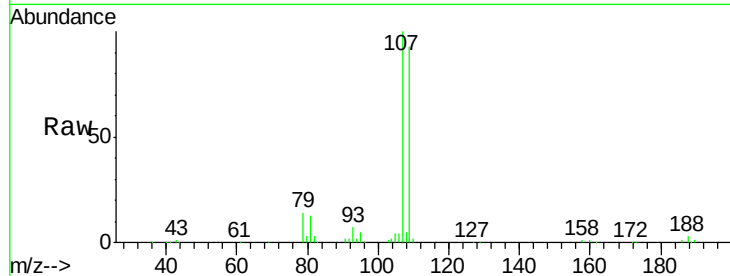
#61
 1,2-Dibromoethane
 Concen: 107.415 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VD062640.D
 Acq: 7 Jun 2019 13:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:107 Resp: 618622
 Ion Ratio Lower Upper
 107 100
 109 93.1 79.2 118.8

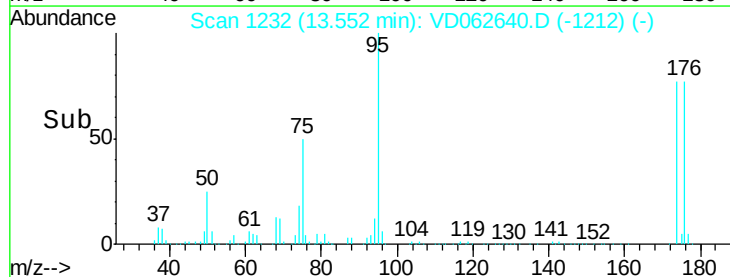
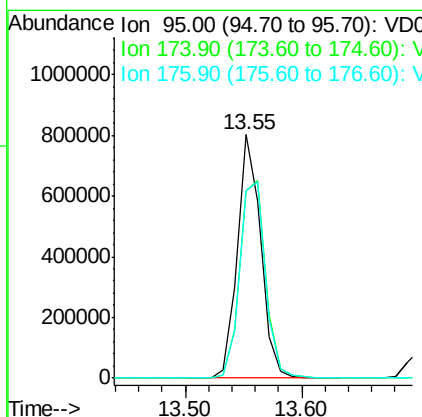
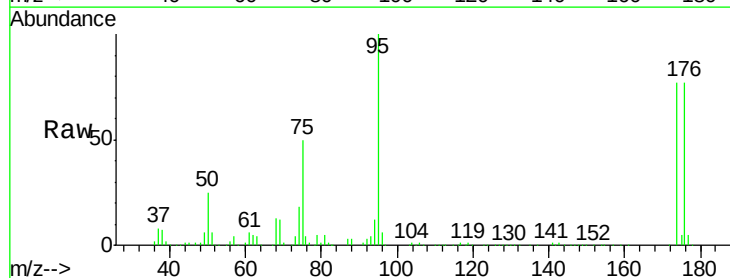
Manual Integrations
 APPROVED

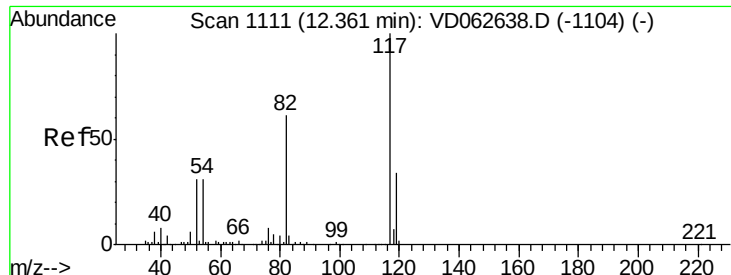
MMDadoda
 6/11/2019 2:17:24 AM



#62
 4-Bromofluorobenzene
 Concen: 113.923 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD062640.D
 Acq: 7 Jun 2019 13:09

Tgt Ion: 95 Resp: 1111413
 Ion Ratio Lower Upper
 95 100
 174 77.0 0.0 167.0
 176 76.7 0.0 159.2





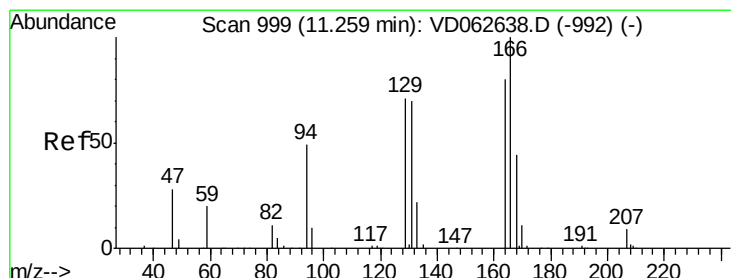
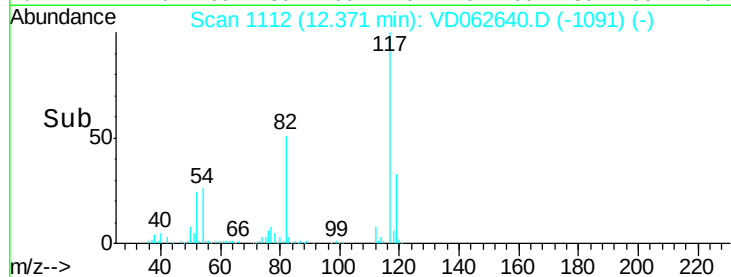
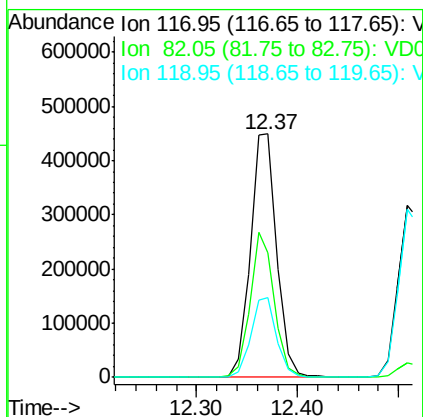
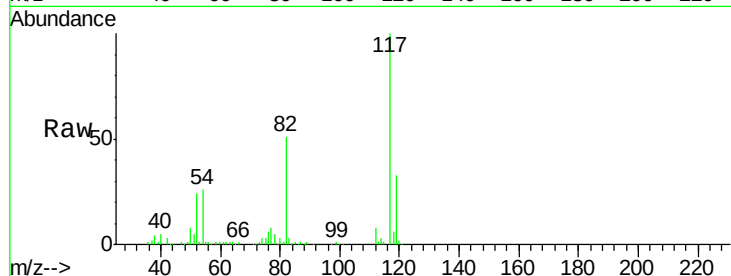
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	814885		
82	51.3		48.7	73.1
119	33.0		27.0	40.6

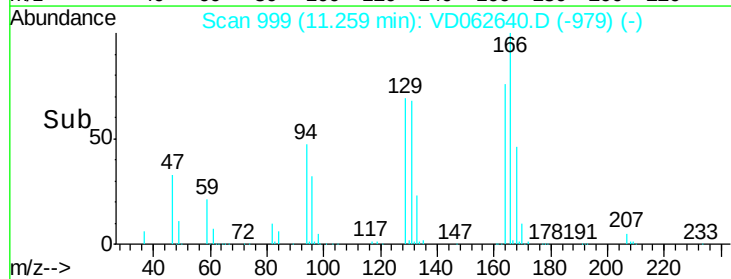
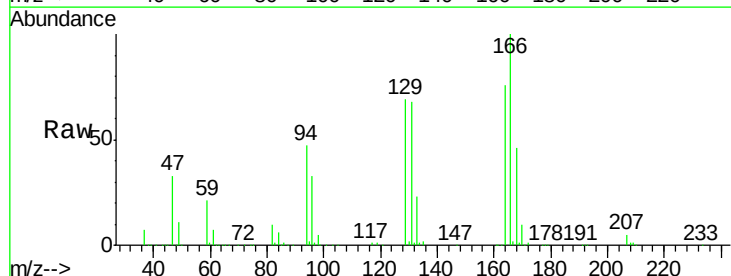
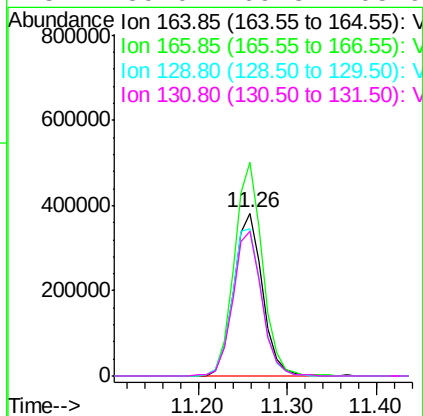
Manual Integrations
APPROVED

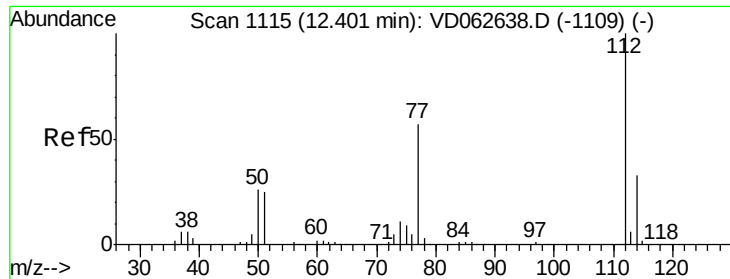
MMDadoda
6/11/2019 2:17:24 AM



#64
Tetrachloroethene
Concen: 110.330 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.00 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	853578		
166	130.9		99.4	149.2
129	90.3		70.2	105.4
131	89.0		69.3	103.9





#65

Chlorobenzene

Concen: 108.465 ug/l

RT: 12.40 min Scan# 1115

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Instrument :

MSVOA_D

ClientSampled :

VSTDIC100

Tot Ion:112 Resp: 1980043

Ion Ratio Lower Upper

112 100

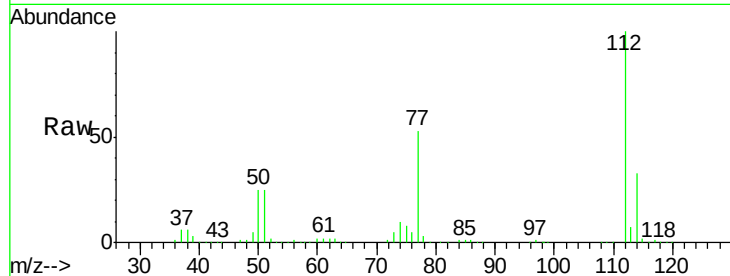
114 32.6 26.3 39.5

Manual Integrations

APPROVED

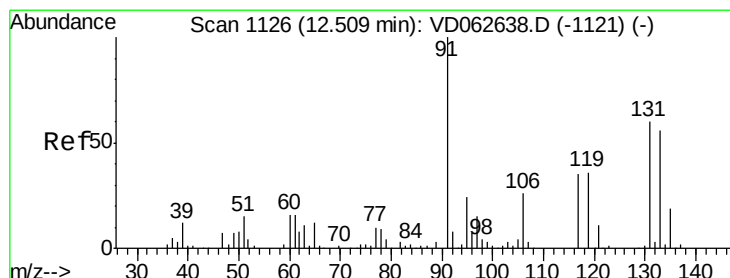
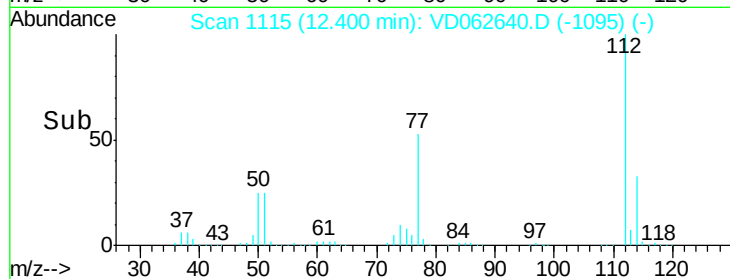
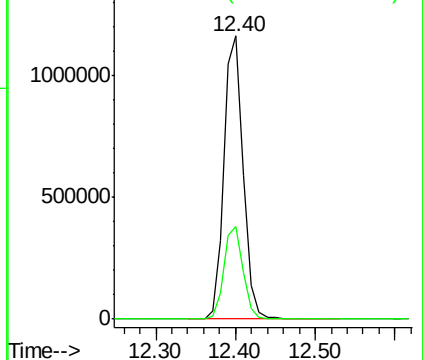
MMDadoda

6/11/2019 2:17:24 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 101.812 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

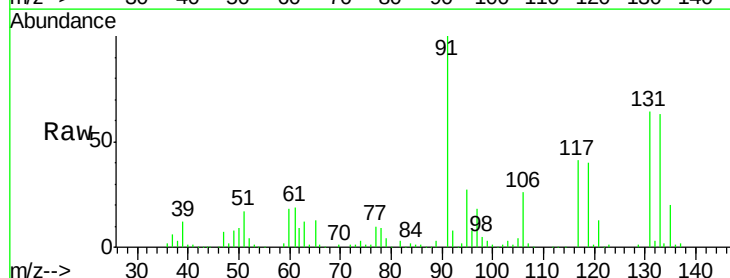
Tgt Ion:131 Resp: 890601

Ion Ratio Lower Upper

131 100

133 99.3 46.8 140.3

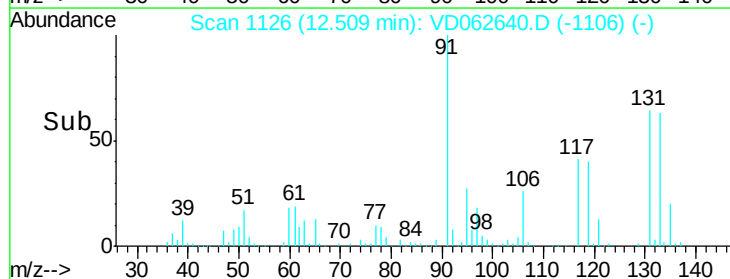
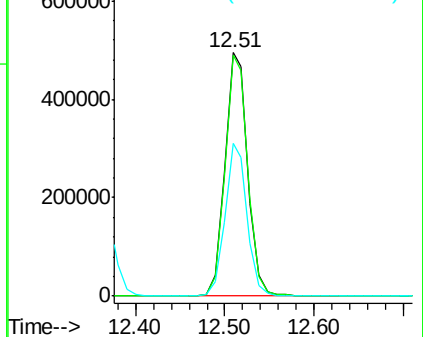
119 62.9 29.9 89.8

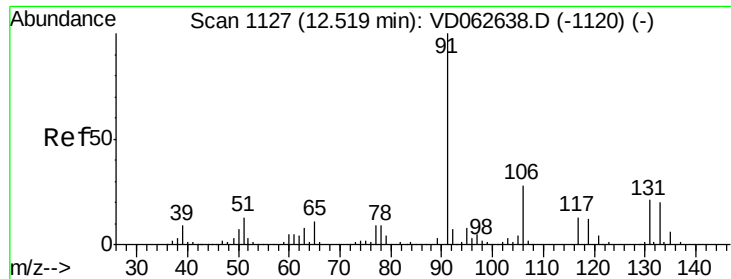


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V





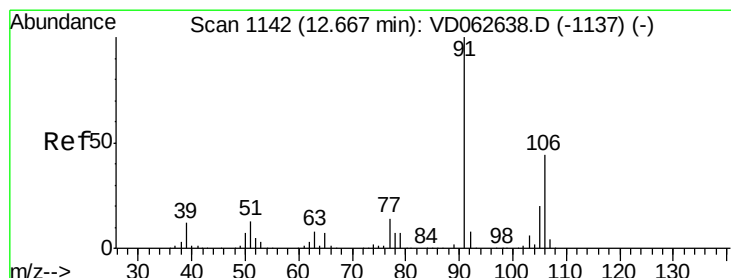
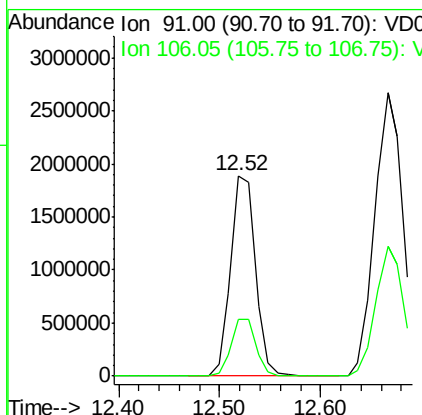
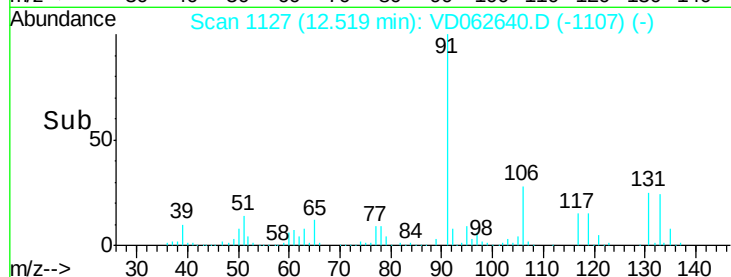
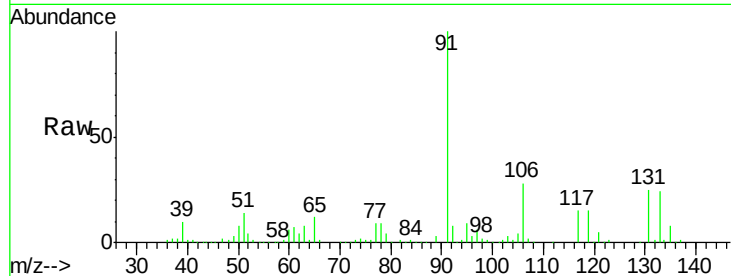
#67
Ethyl Benzene
Concen: 99.325 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 3223583
Ion Ratio Lower Upper
91 100
106 28.3 22.1 33.1

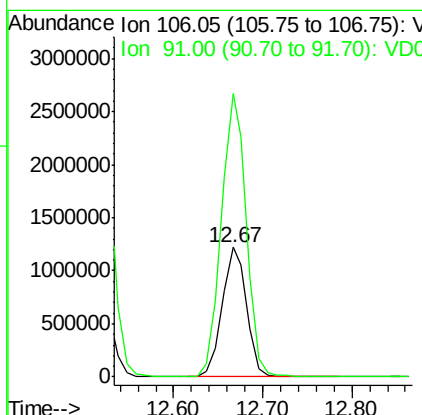
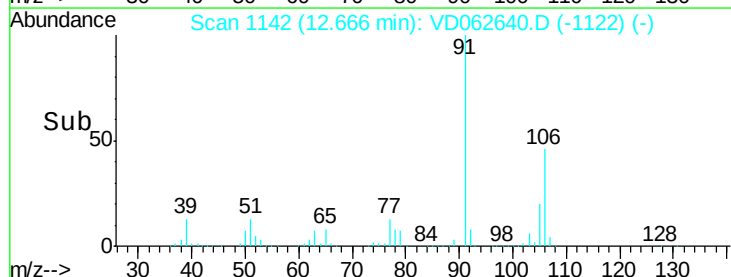
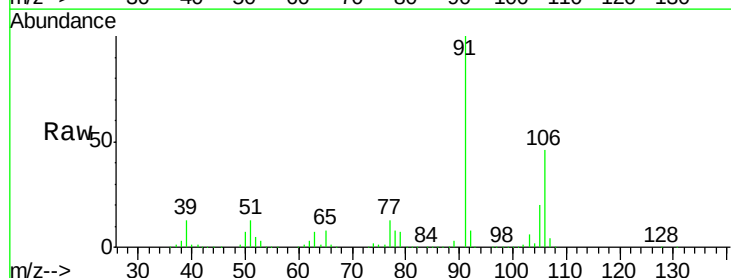
Manual Integrations
APPROVED

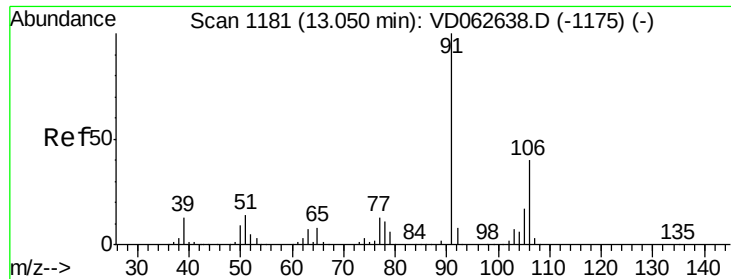
MMDadoda
6/11/2019 2:17:24 AM



#68
m/p-Xylenes
Concen: 206.018 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Tgt Ion: 106 Resp: 2345983
Ion Ratio Lower Upper
106 100
91 219.0 180.2 270.4





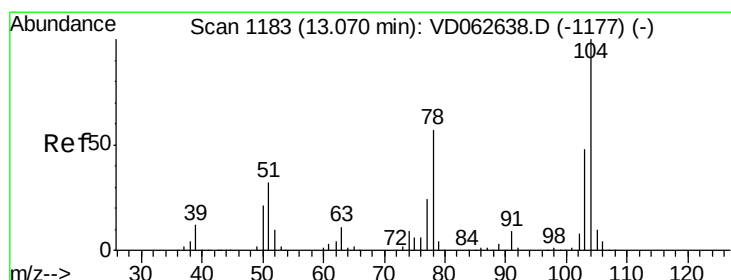
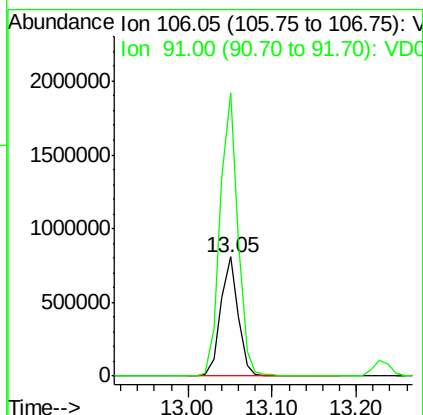
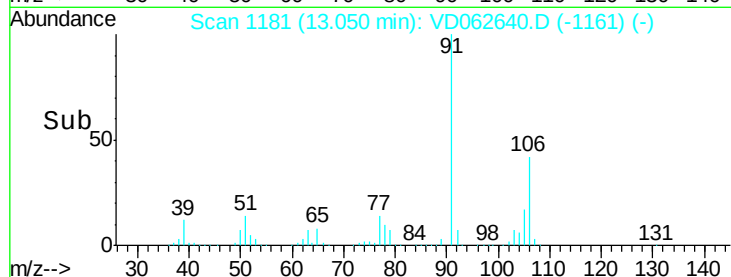
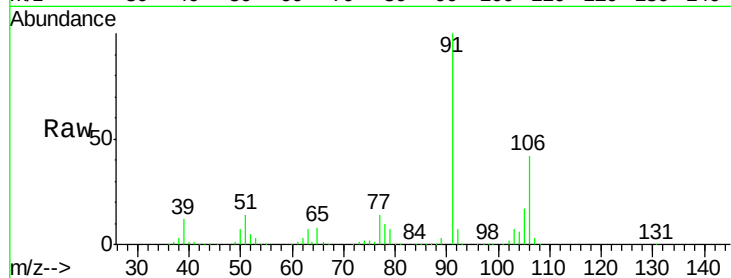
#69
o-Xylene
Concen: 108.953 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 1164536
Ion Ratio Lower Upper
106 100
91 237.7 124.1 372.1

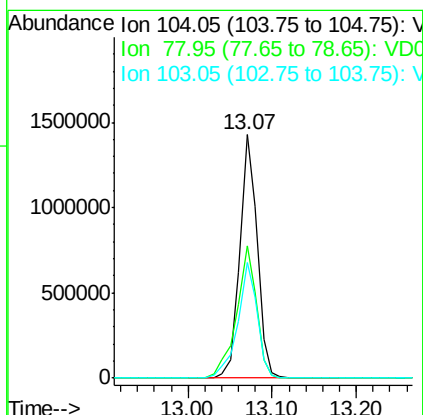
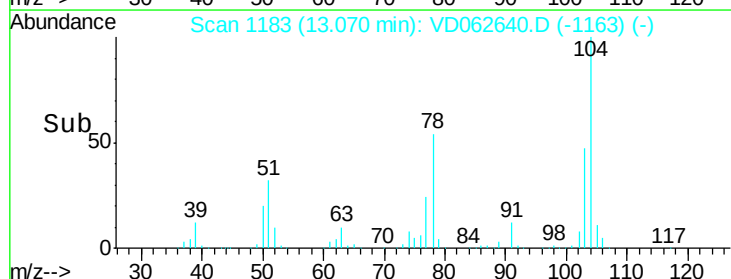
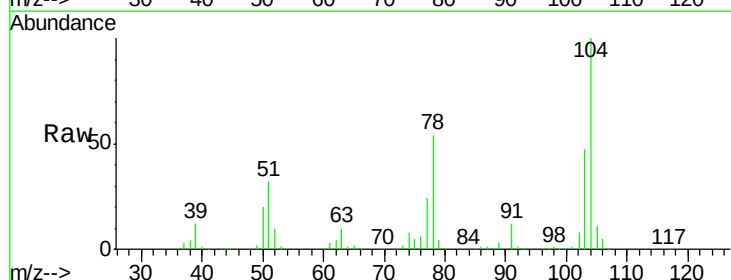
Manual Integrations
APPROVED

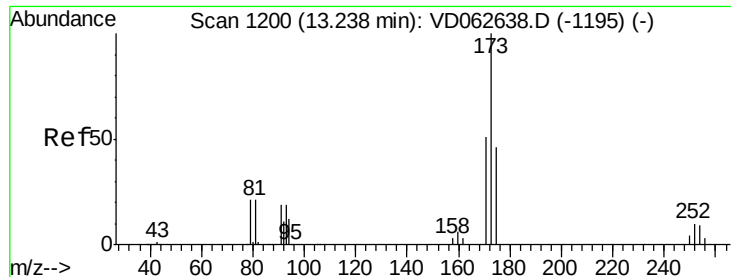
MMDadoda
6/11/2019 2:17:24 AM



#70
Styrene
Concen: 108.073 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Tgt Ion:104 Resp: 2059710
Ion Ratio Lower Upper
104 100
78 54.4 45.9 68.9
103 47.4 38.4 57.6





#71

Bromoform

Concen: 109.615 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Instrument :

MSVOA_D

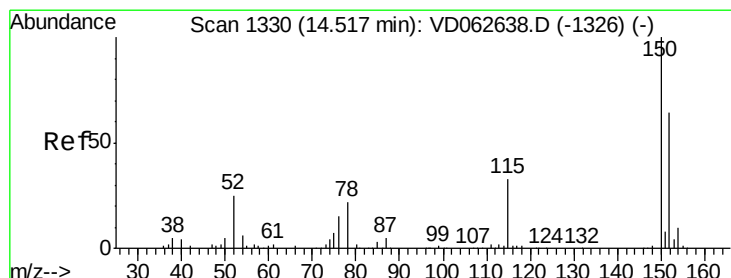
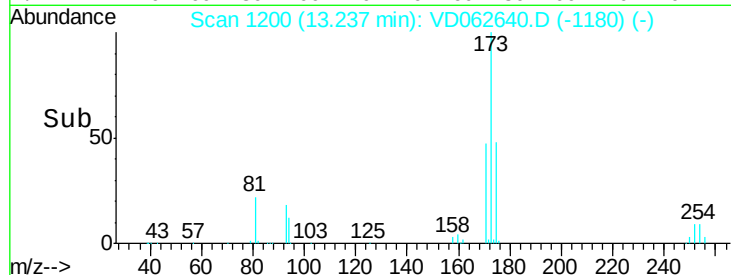
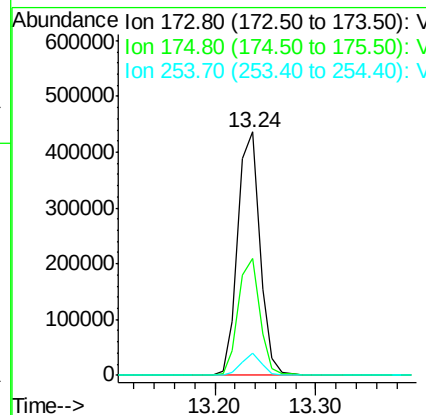
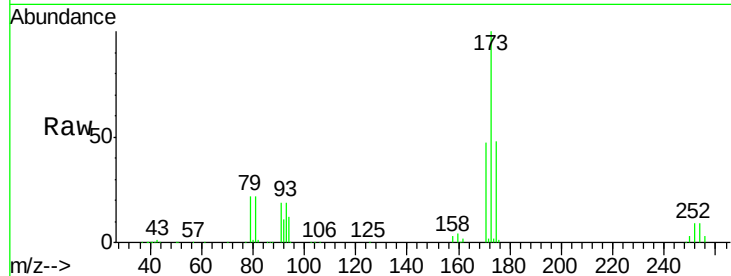
ClientSampleId :

VSTDIC100

Tot Ion:	173	Resp:	666479
Ion	Ratio	Lower	Upper
173	100		
175	47.8	22.9	68.7
254	9.1	7.0	10.4

Manual Integrations
APPROVED

MMDadoda
6/11/2019 2:17:24 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

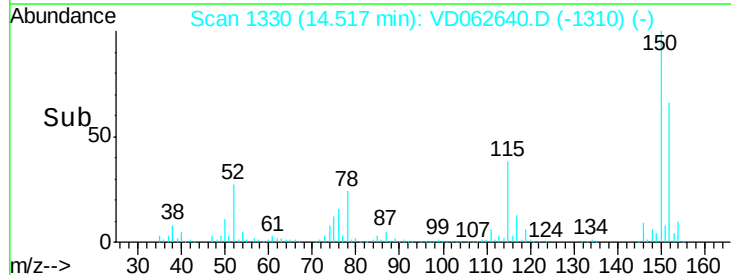
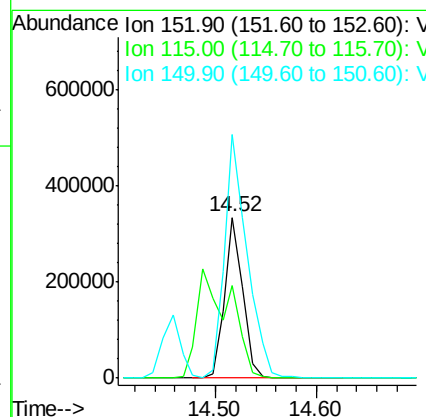
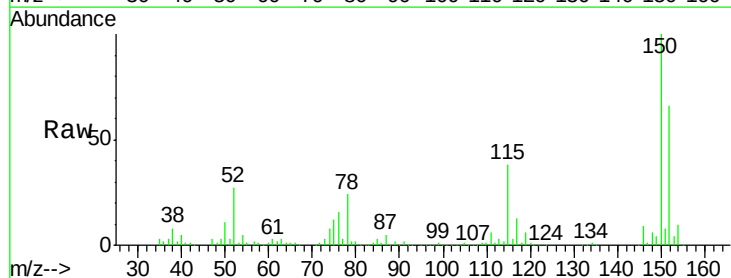
RT: 14.52 min Scan# 1330

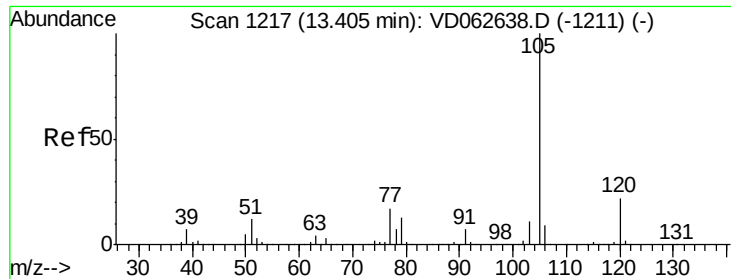
Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Tgt Ion:	152	Resp:	418229
Ion	Ratio	Lower	Upper
152	100		
115	58.1	30.1	90.5
150	151.7	0.0	314.0





#73

Isopropylbenzene

Concen: 107.935 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 3286957

Ion Ratio Lower Upper

105 100

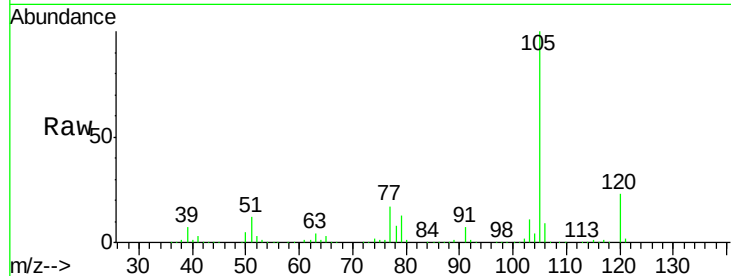
120 22.9 10.9 32.7

Manual Integrations

APPROVED

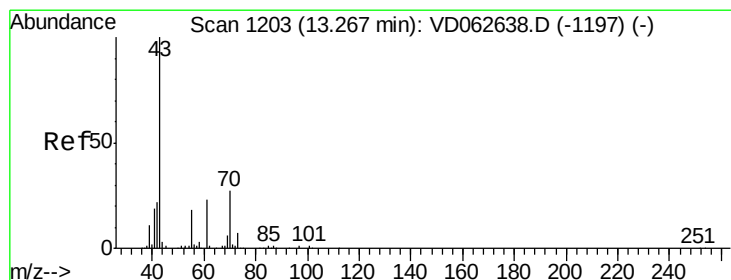
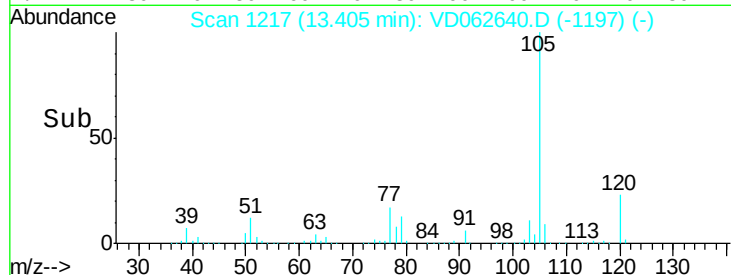
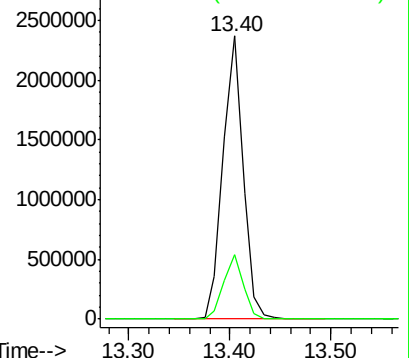
MMDadoda

6/11/2019 2:17:24 AM



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 111.403 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Tgt Ion: 43 Resp: 913453

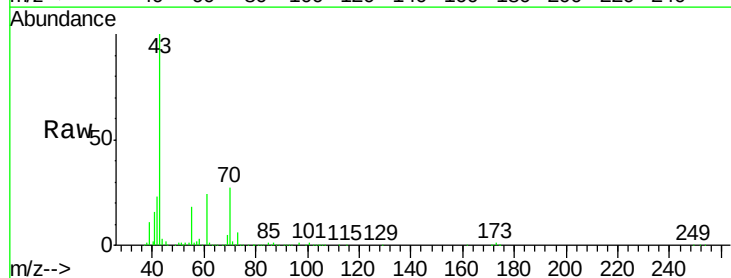
Ion Ratio Lower Upper

43 100

70 27.5 21.8 32.8

55 17.7 14.6 21.8

61 24.4 18.4 27.6

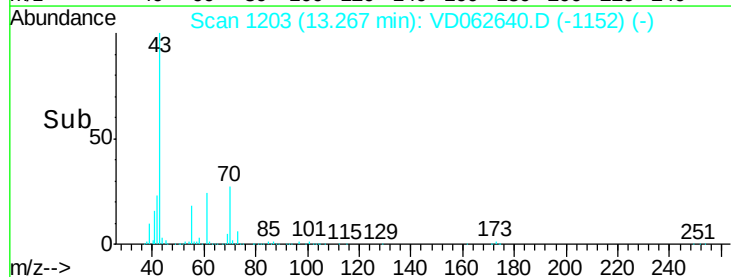
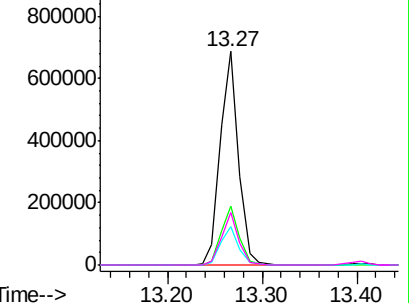


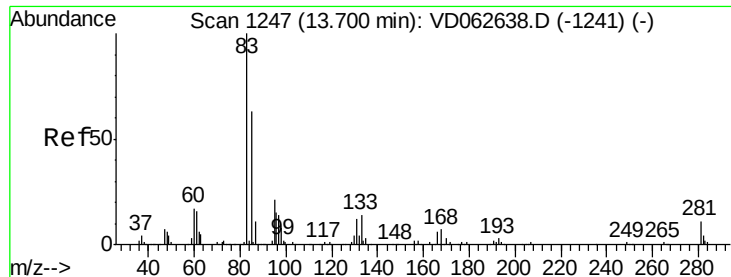
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 112.151 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 577838

Ion Ratio Lower Upper

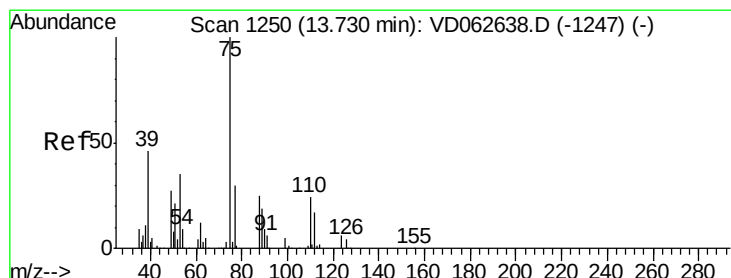
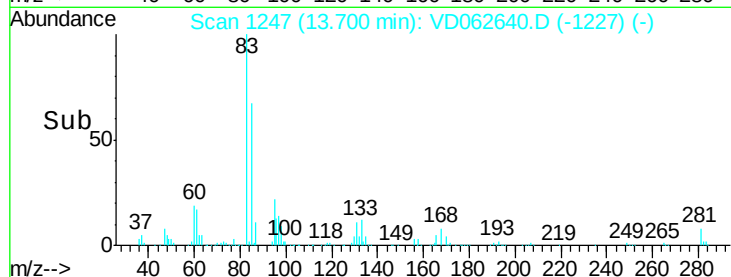
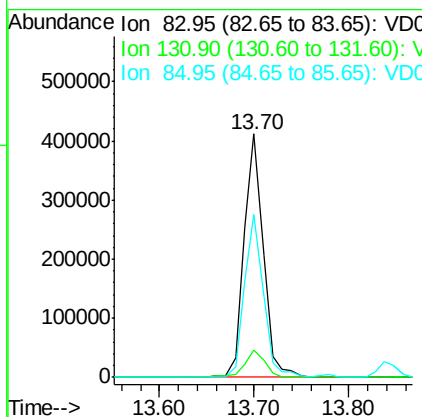
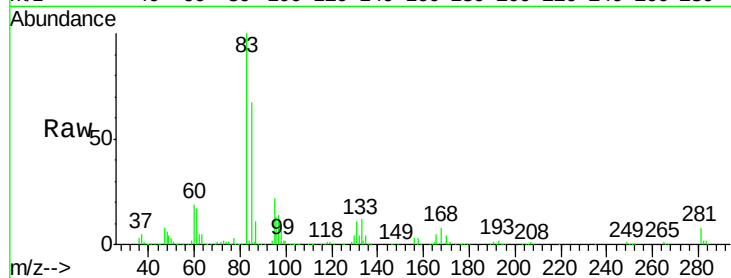
83 100

131 11.0 5.9 17.7

85 66.9 31.3 93.9

Manual Integrations
APPROVED

MMDadoda
6/11/2019 2:17:24 AM



#76

1,2,3-Trichloropropane

Concen: 114.658 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD062640.D

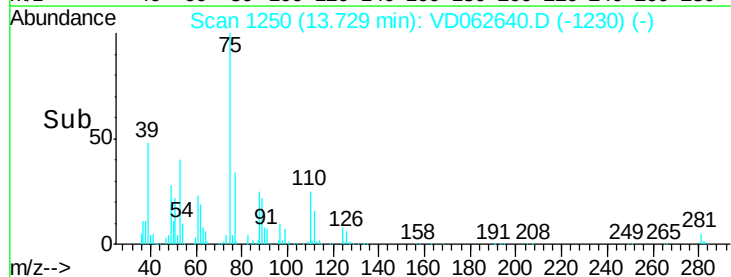
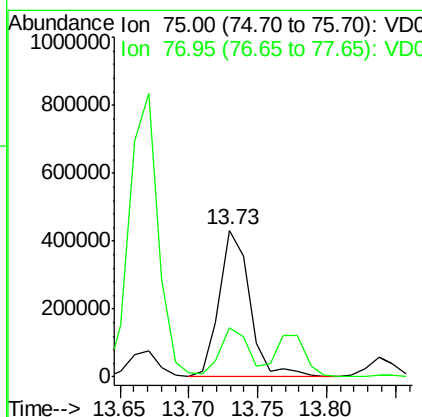
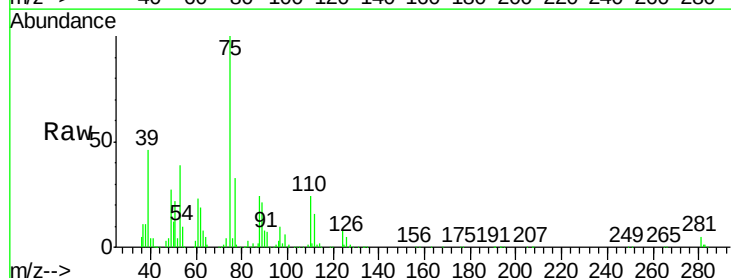
Acq: 7 Jun 2019 13:09

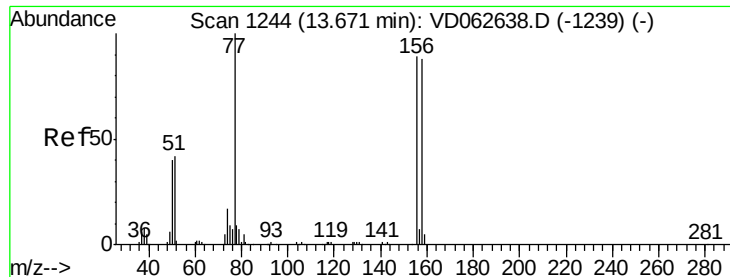
Tgt Ion: 75 Resp: 661590

Ion Ratio Lower Upper

75 100

77 33.2 16.2 48.6





#77

Bromobenzene

Concen: 109.162 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Instrument :

MSVOA_D

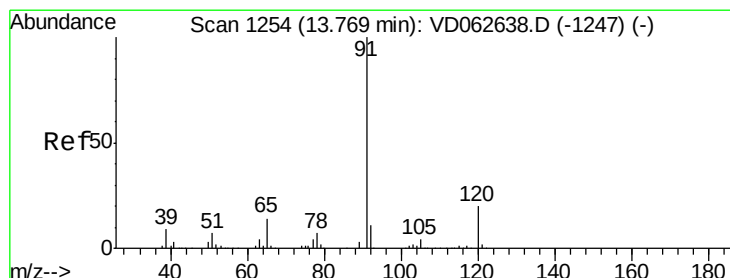
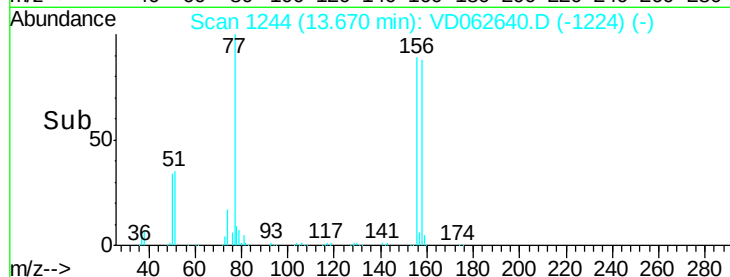
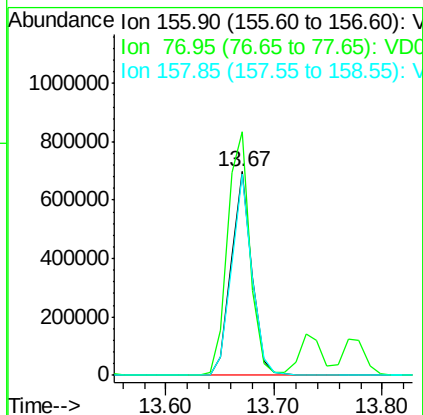
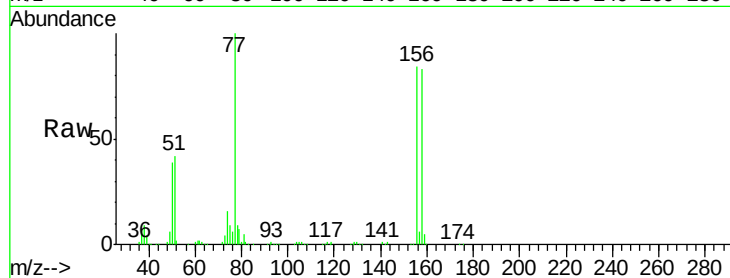
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	935317
Ion Ratio	Lower	Upper	
156	100		
77	119.5	56.3	168.8
158	98.6	49.6	148.8

Manual Integrations
APPROVED

MMDadoda
6/11/2019 2:17:24 AM



#78

n-propylbenzene

Concen: 109.291 ug/l

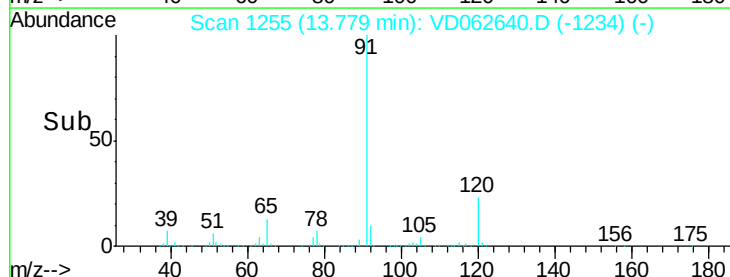
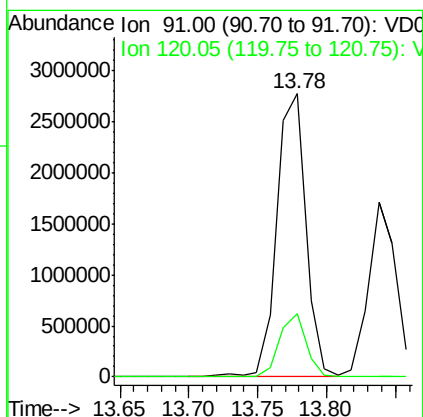
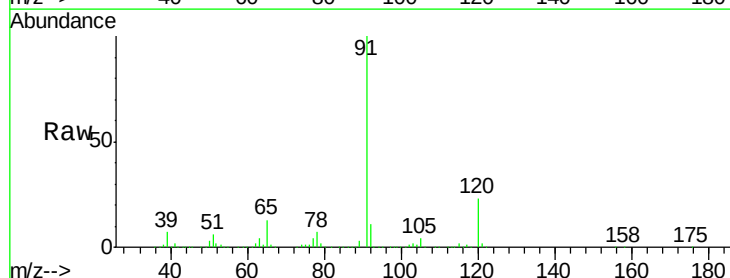
RT: 13.78 min Scan# 1255

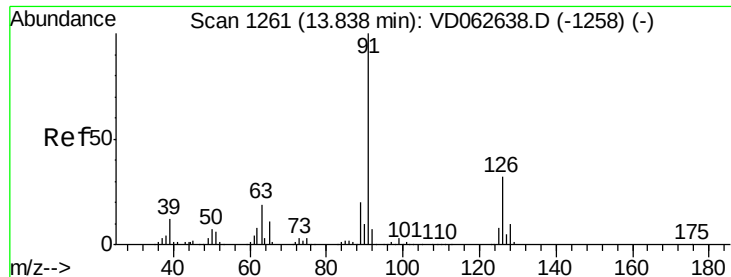
Delta R.T. 0.01 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Tgt Ion:	91	Resp:	4029018
Ion Ratio	Lower	Upper	
91	100		
120	22.6	9.8	29.5





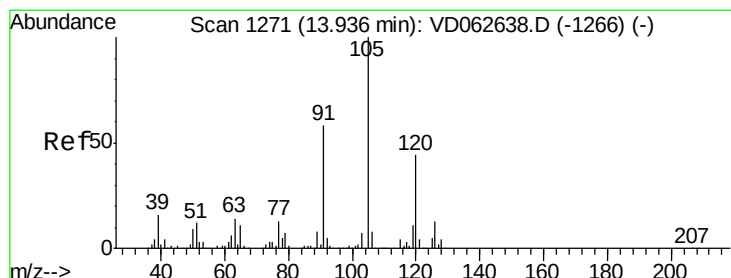
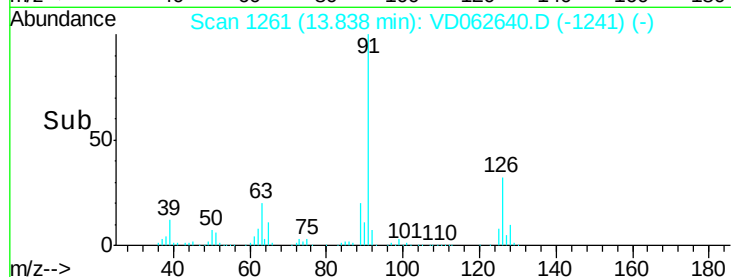
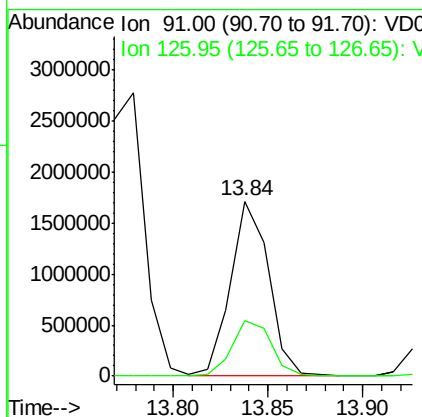
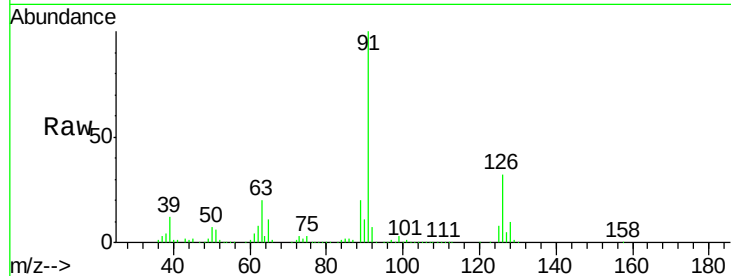
#79
 2-Chlorotoluene
 Concen: 110.682 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD062640.D
 Acq: 7 Jun 2019 13:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 91 Resp: 2380476
 Ion Ratio Lower Upper
 91 100
 126 32.0 15.8 47.4

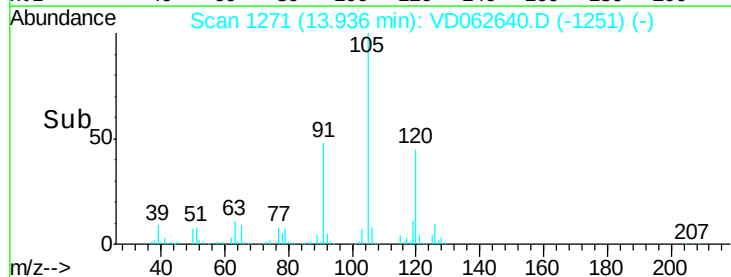
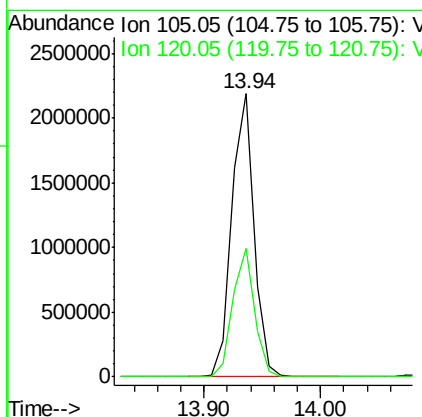
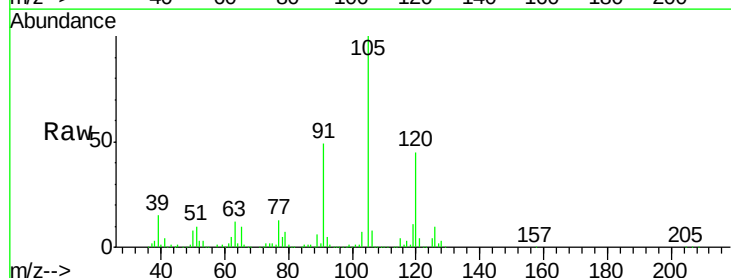
Manual Integrations
 APPROVED

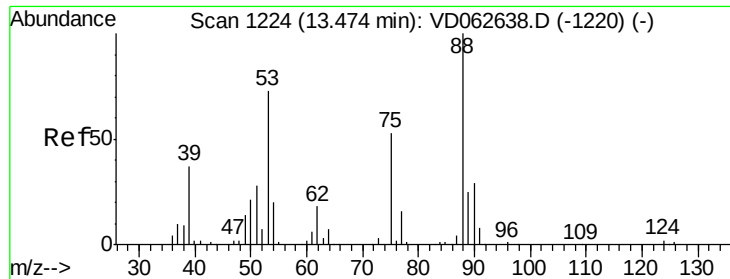
MMDadoda
 6/11/2019 2:17:24 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 108.552 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VD062640.D
 Acq: 7 Jun 2019 13:09

Tgt Ion: 105 Resp: 2885177
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.1 66.5





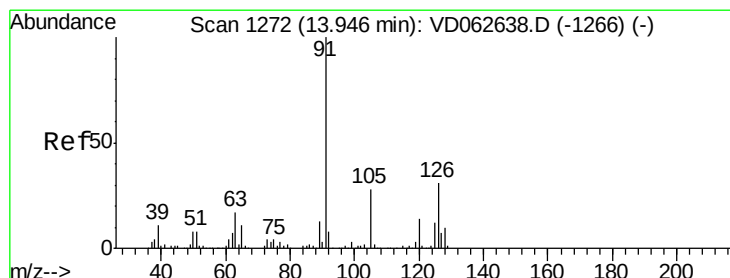
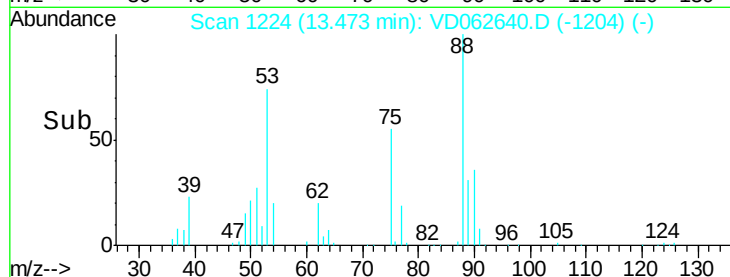
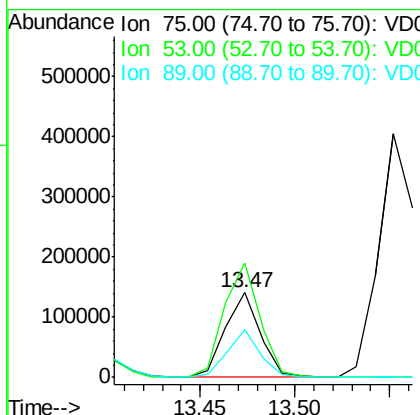
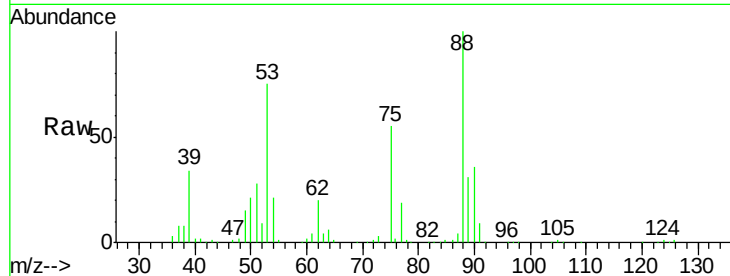
#81
trans-1,4-Dichloro-2-butene
Concen: 121.078 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 179960
Ion Ratio Lower Upper
75 100
53 135.9 109.4 164.2
89 56.0 37.0 55.6#

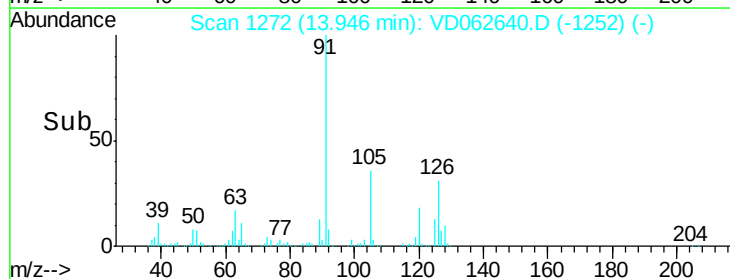
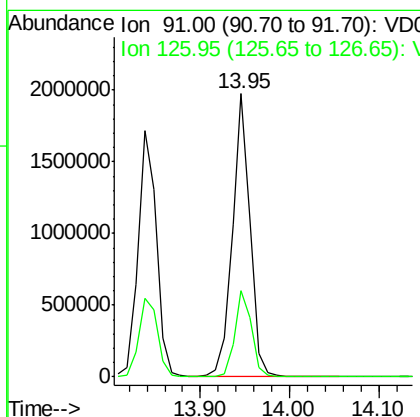
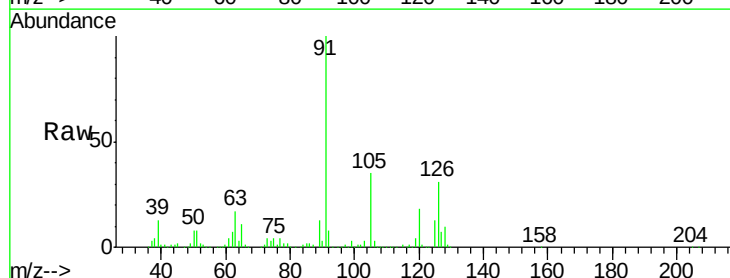
Manual Integrations
APPROVED

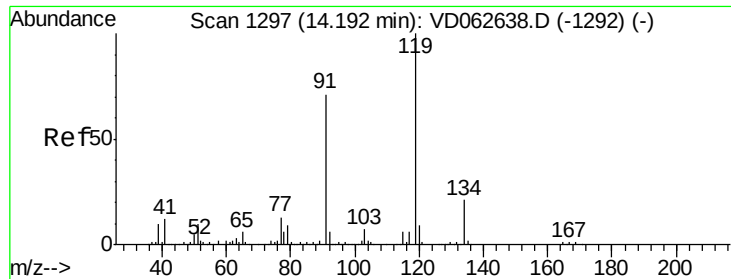
MMDadoda
6/11/2019 2:17:24 AM



#82
4-Chlorotoluene
Concen: 106.582 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Tgt Ion: 91 Resp: 2757899
Ion Ratio Lower Upper
91 100
126 30.7 15.6 46.8





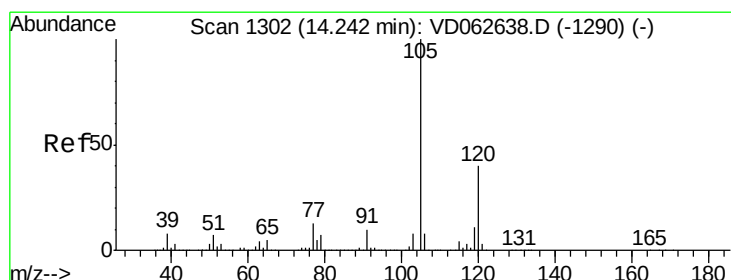
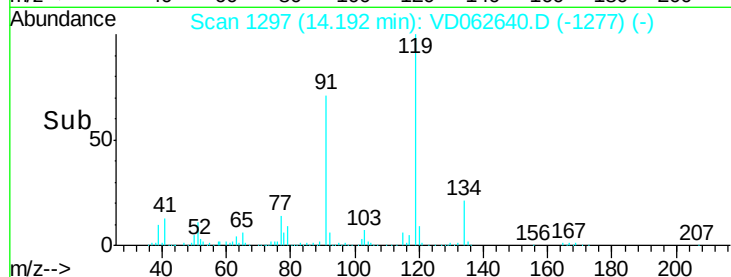
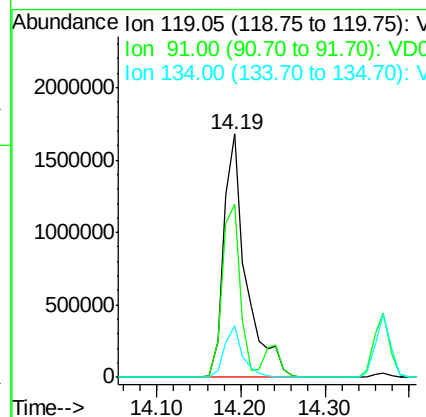
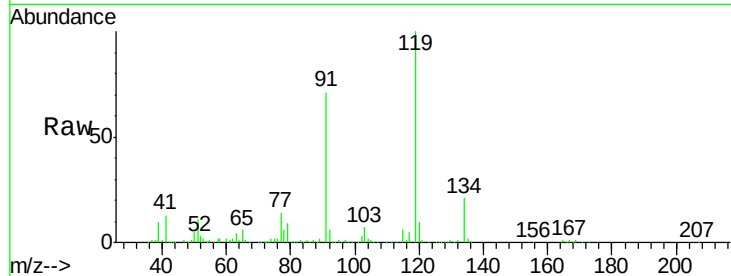
#83
 tert-Butylbenzene
 Concen: 104.246 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.00 min
 Lab File: VD062640.D
 Acq: 7 Jun 2019 13:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:119 Resp: 3091273
 Ion Ratio Lower Upper
 119 100
 91 71.3 35.4 106.1
 134 21.4 10.8 32.3

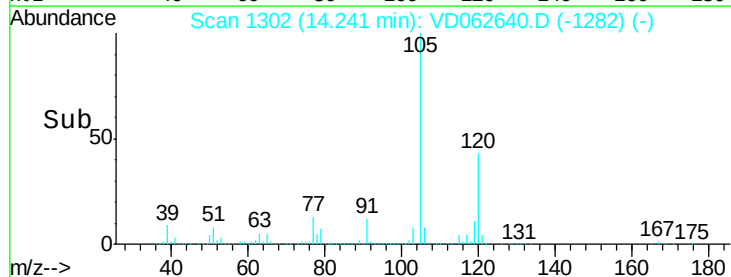
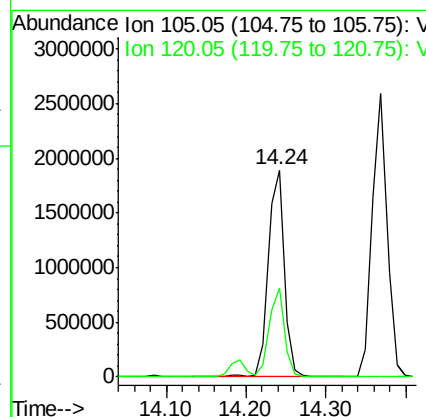
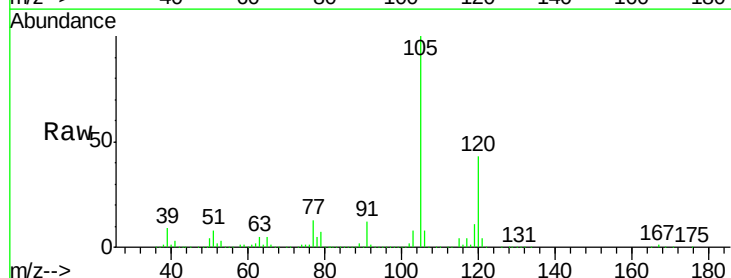
Manual Integrations
 APPROVED

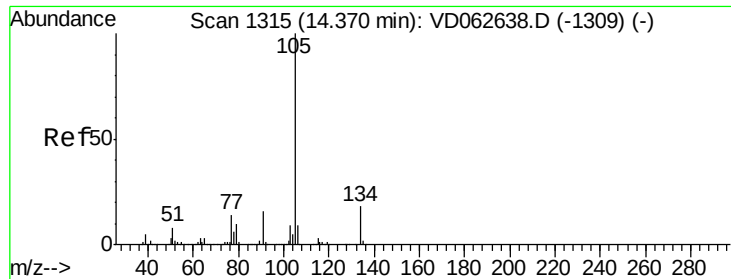
MMDadoda
 6/11/2019 2:17:24 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 97.868 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.00 min
 Lab File: VD062640.D
 Acq: 7 Jun 2019 13:09

Tgt Ion:105 Resp: 2613255
 Ion Ratio Lower Upper
 105 100
 120 43.0 20.3 60.8





#85

sec-Butylbenzene

Concen: 106.673 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

Tot Ion:105 Resp: 3289536

Ion Ratio Lower Upper

105 100

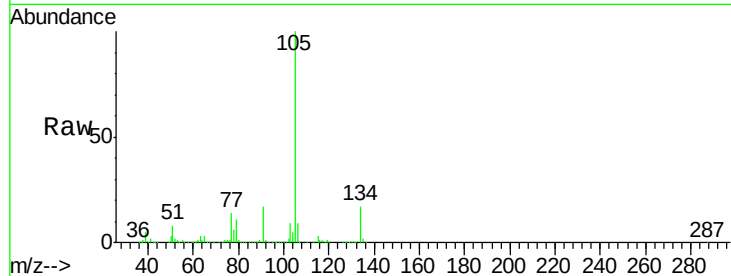
134 16.7 8.8 26.2

Manual Integrations

APPROVED

MMDadoda

6/11/2019 2:17:24 AM



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

3000000

2500000

2000000

1500000

1000000

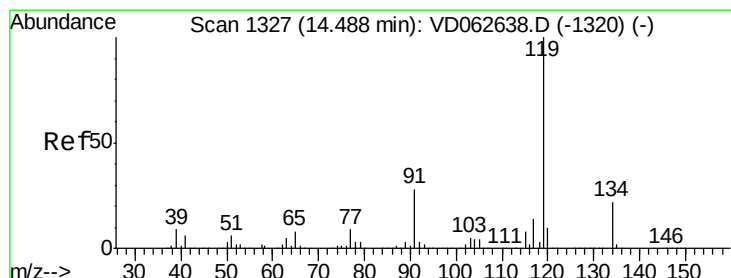
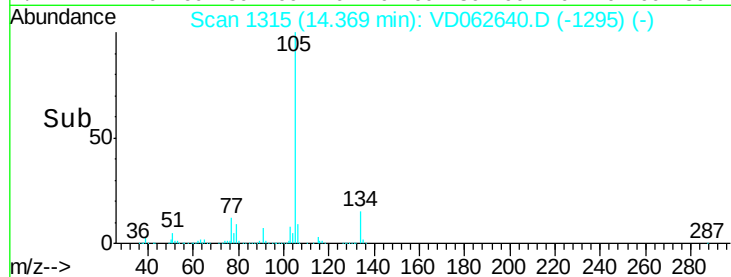
500000

0

14.30

14.40

Time-->



#86

p-Isopropyltoluene

Concen: 109.820 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

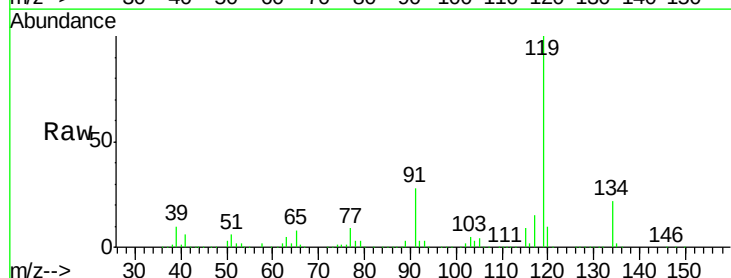
Tgt Ion:119 Resp: 3285539

Ion Ratio Lower Upper

119 100

134 22.4 10.9 32.6

91 28.2 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

3000000

2000000

1000000

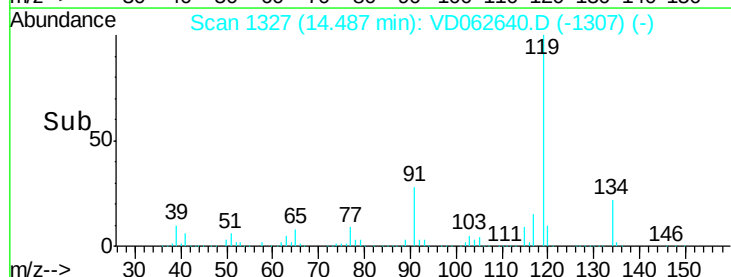
0

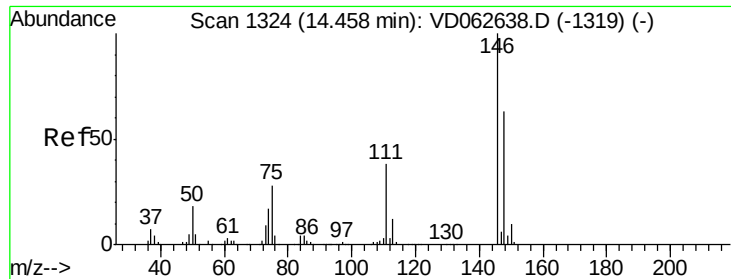
14.40

14.50

14.60

Time-->





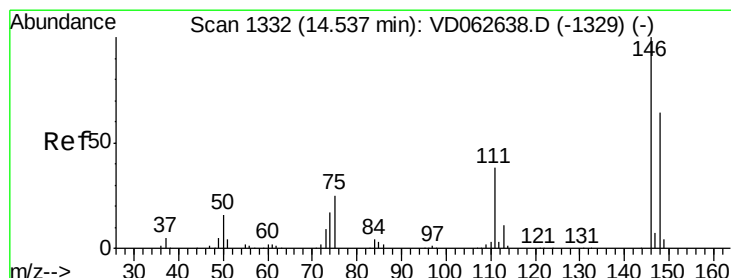
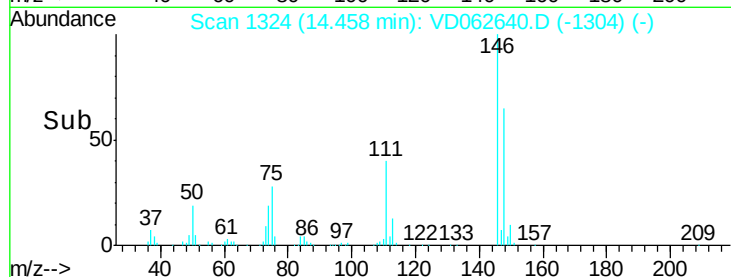
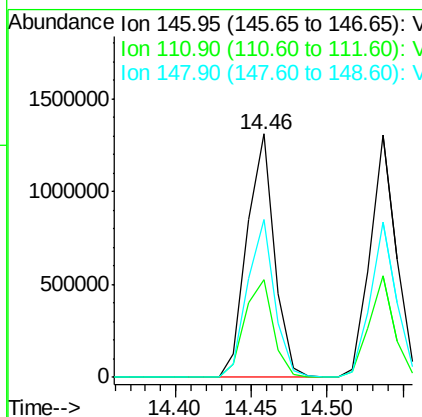
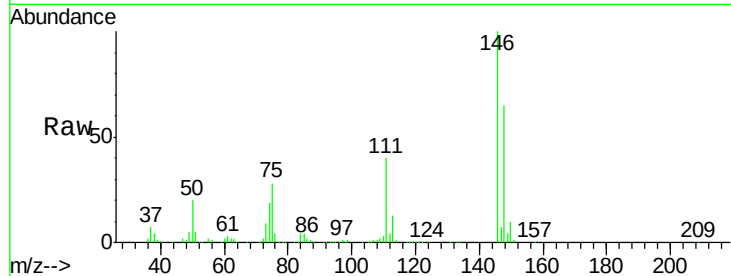
#87
 1,3-Dichlorobenzene
 Concen: 104.741 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD062640.D
 Acq: 7 Jun 2019 13:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:146 Resp: 1659999
 Ion Ratio Lower Upper
 146 100
 111 40.3 19.2 57.6
 148 65.0 31.6 95.0

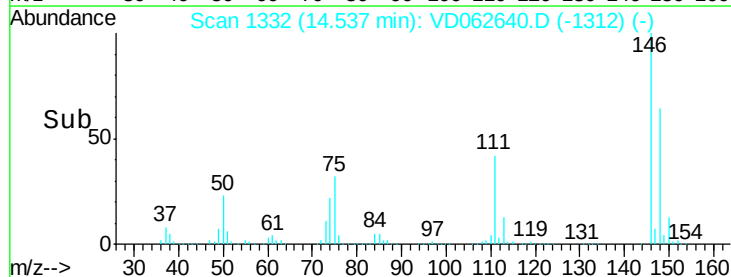
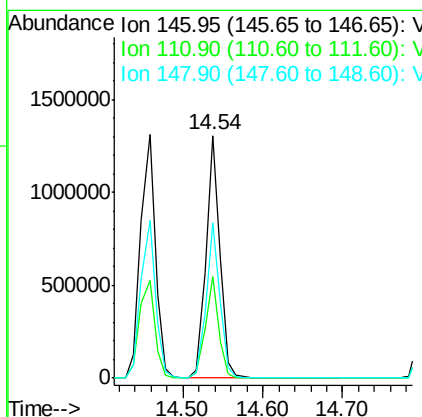
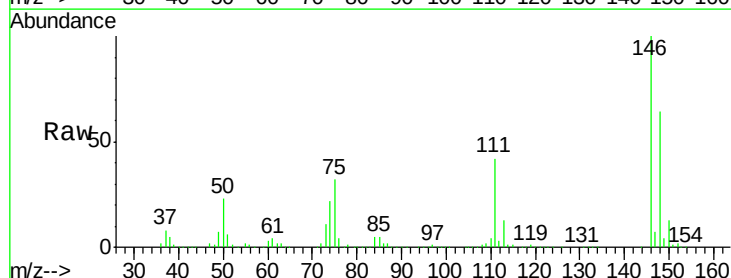
Manual Integrations
 APPROVED

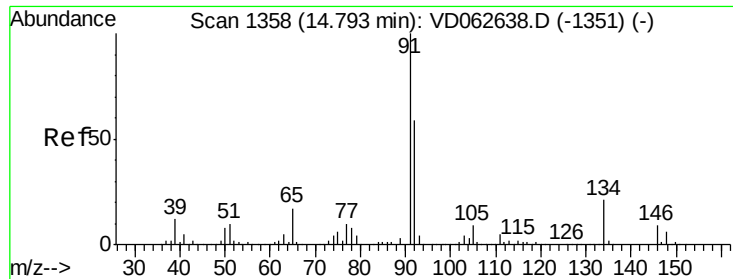
MMDadoda
 6/11/2019 2:17:24 AM



#88
 1,4-Dichlorobenzene
 Concen: 106.097 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD062640.D
 Acq: 7 Jun 2019 13:09

Tgt Ion:146 Resp: 1579400
 Ion Ratio Lower Upper
 146 100
 111 41.7 18.9 56.7
 148 63.9 32.3 96.8





#89

n-Butylbenzene

Concen: 109.623 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VD062640.D

Acq: 7 Jun 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 2988173

Ion Ratio Lower Upper

91 100

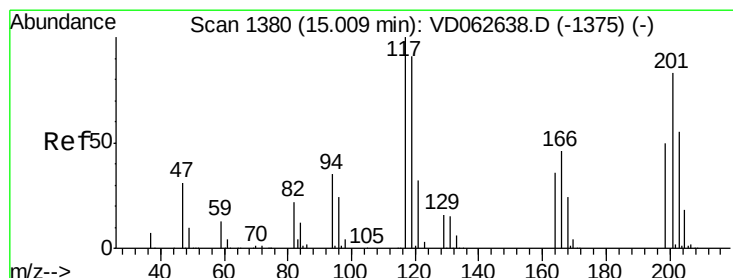
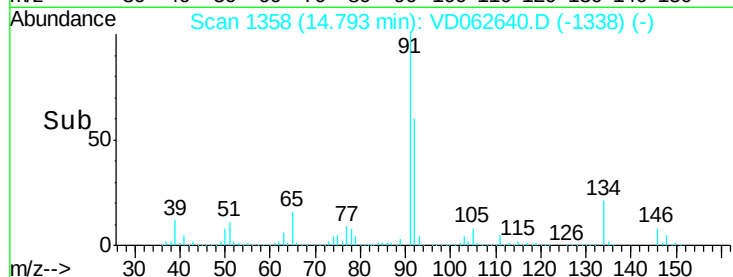
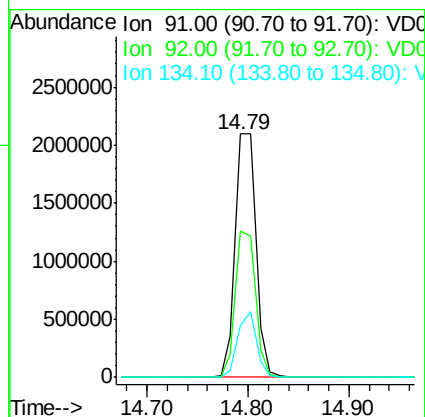
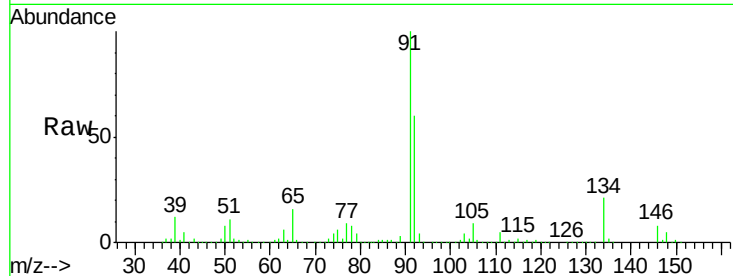
92 60.1 29.4 88.3

134 20.9 10.4 31.2

Manual Integrations
APPROVED

MMDadoda

6/11/2019 2:17:24 AM



#90

Hexachloroethane

Concen: 112.217 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD062640.D

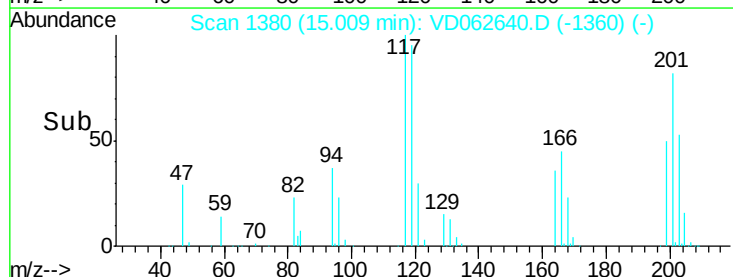
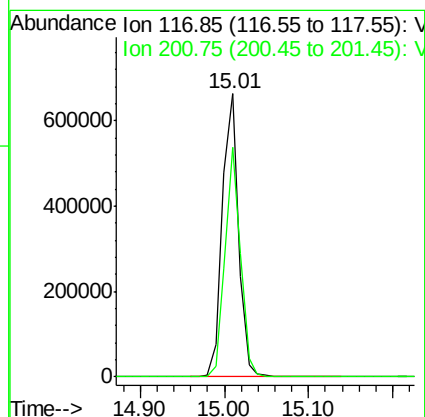
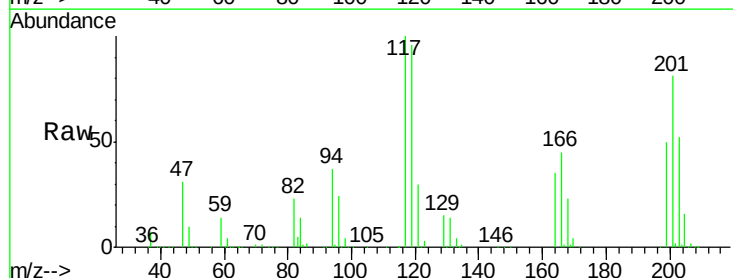
Acq: 7 Jun 2019 13:09

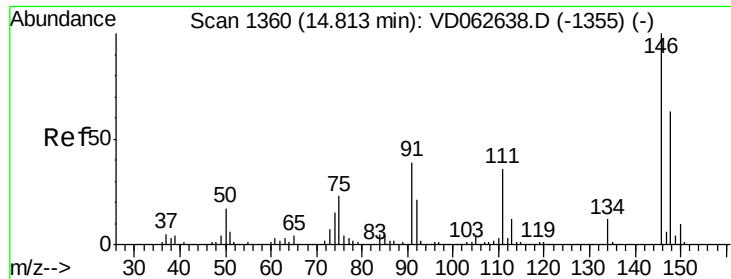
Tgt Ion: 117 Resp: 884320

Ion Ratio Lower Upper

117 100

201 81.3 41.5 124.6





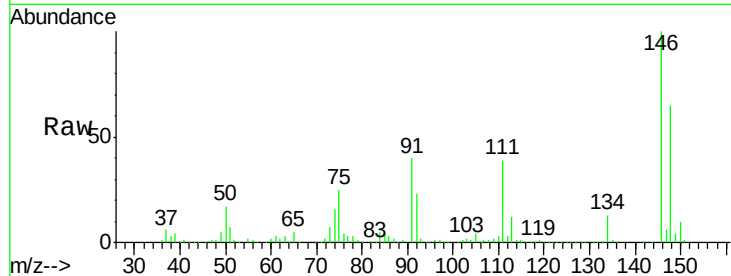
#91
 1,2-Dichlorobenzene
 Concen: 110.223 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD062640.D
 Acq: 7 Jun 2019 13:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

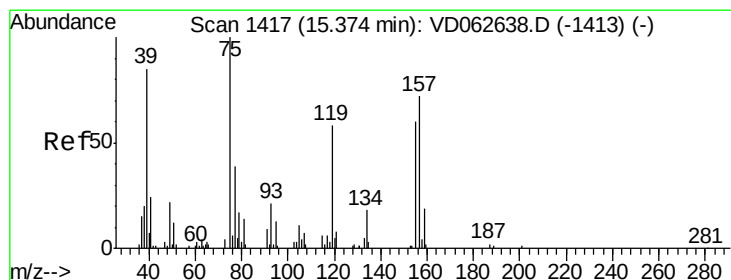
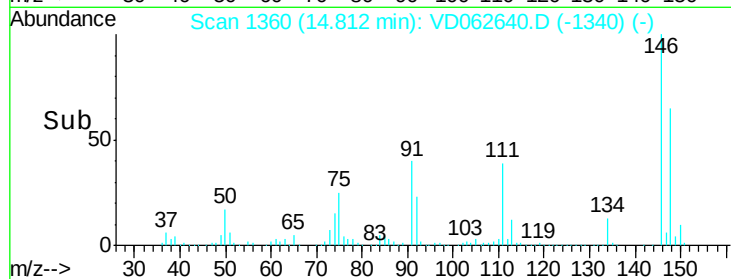
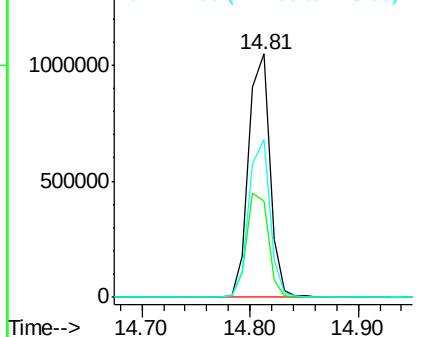
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	18.1	54.3
148	64.9	31.4	94.0

Manual Integrations
 APPROVED

MMDadoda
 6/11/2019 2:17:24 AM

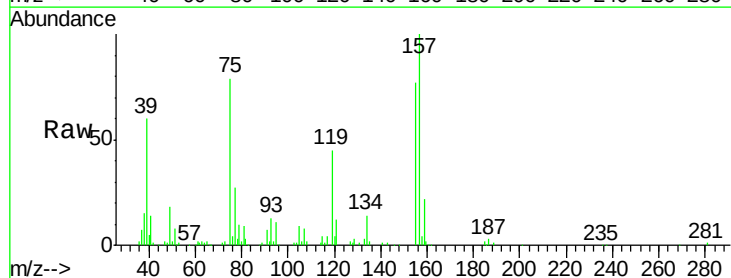


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

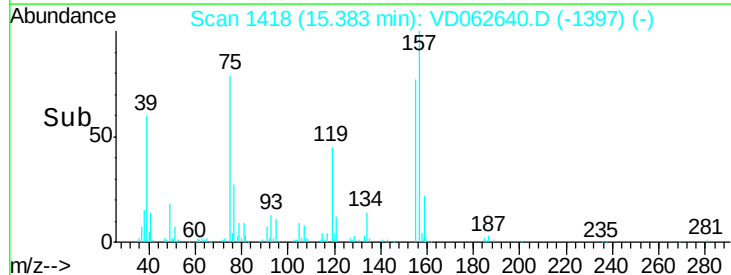
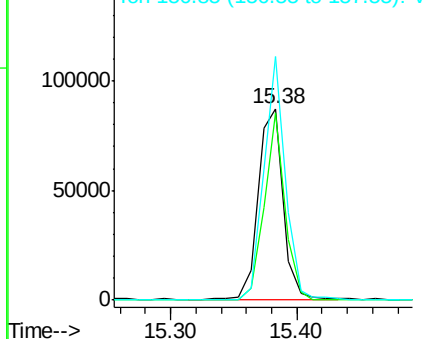


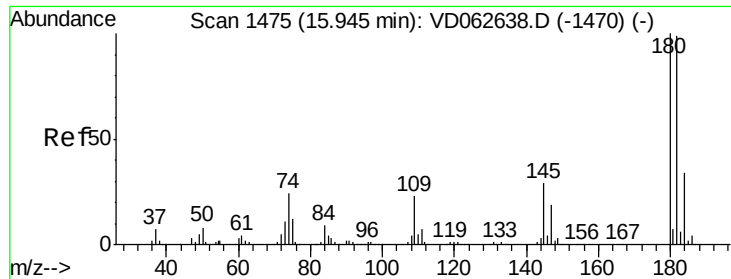
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 104.318 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD062640.D
 Acq: 7 Jun 2019 13:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.5	30.1	90.5#
157	127.0	35.9	107.8#



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





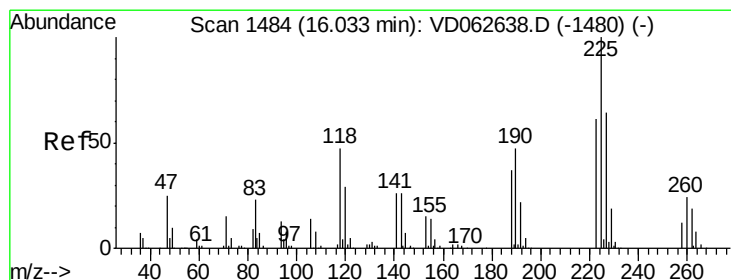
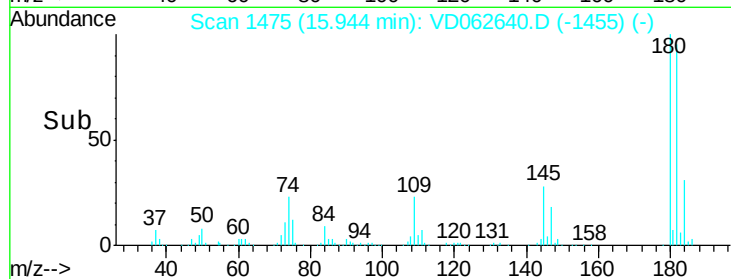
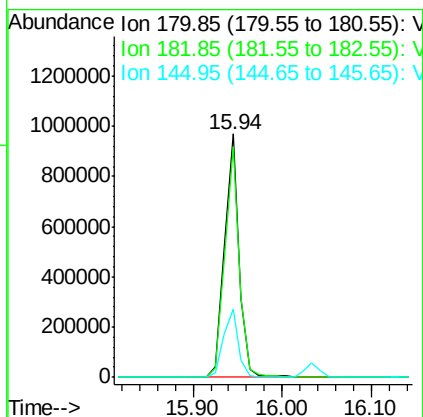
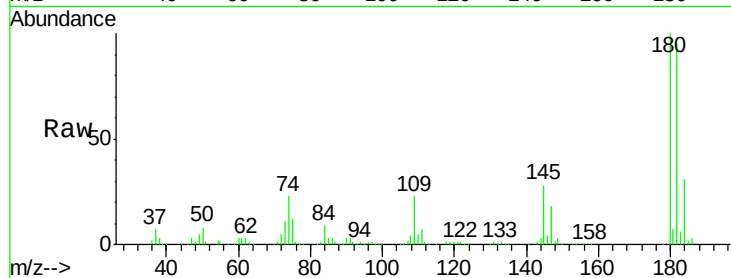
#93
 1,2,4-Trichlorobenzene
 Concen: 114.537 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD062640.D
 Acq: 7 Jun 2019 13:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	49.4	148.2
145	28.1	14.5	43.6

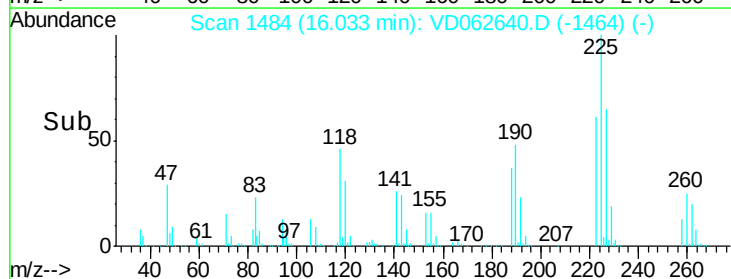
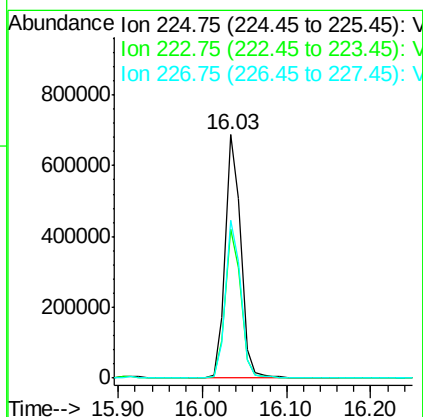
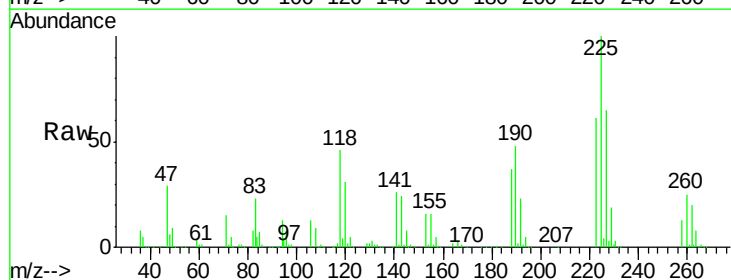
Manual Integrations
 APPROVED

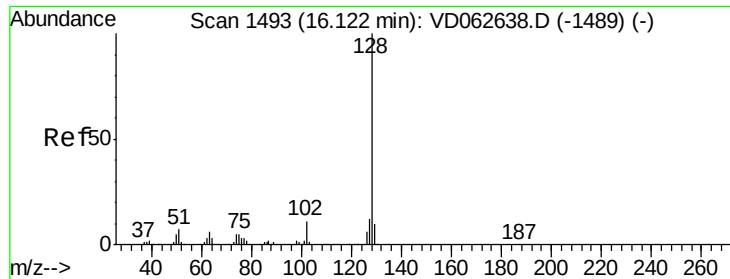
MMDadoda
 6/11/2019 2:17:24 AM



#94
 Hexachlorobutadiene
 Concen: 113.650 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD062640.D
 Acq: 7 Jun 2019 13:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	30.3	91.0
227	64.9	31.8	95.4





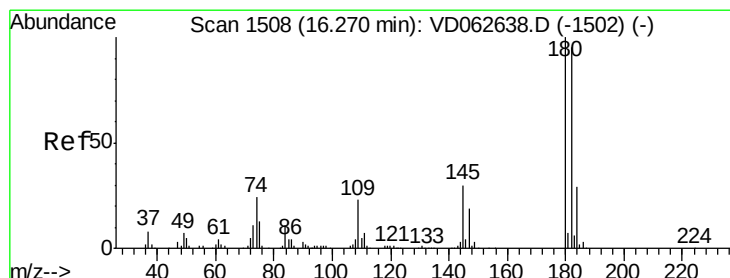
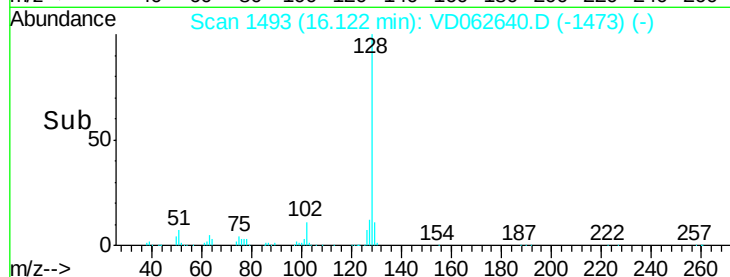
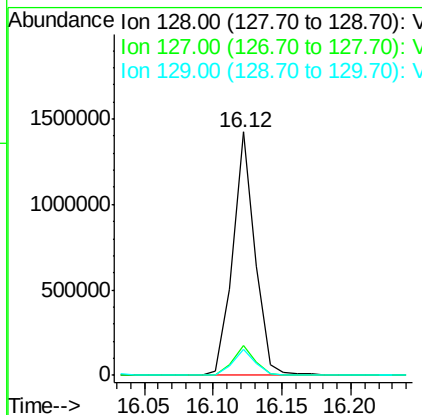
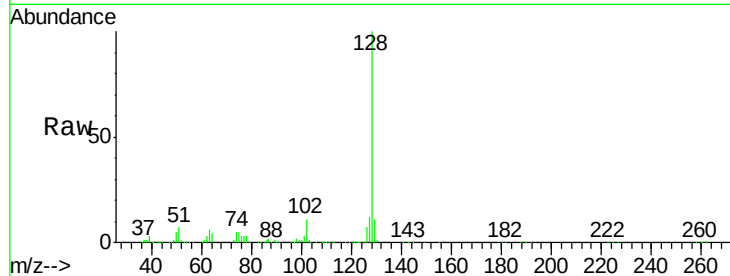
#95
Naphthalene
Concen: 116.482 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:128 Resp: 1599136
Ion Ratio Lower Upper
128 100
127 12.4 9.7 14.5
129 10.8 8.1 12.1

Manual Integrations
APPROVED

MMDadoda
6/11/2019 2:17:24 AM



#96
1,2,3-Trichlorobenzene
Concen: 115.754 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD062640.D
Acq: 7 Jun 2019 13:09

Tgt Ion:180 Resp: 866624
Ion Ratio Lower Upper
180 100
182 96.4 47.7 143.1
145 32.1 15.0 45.0

