

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071019\
 Data File : VD063067.D
 Acq On : 10 Jul 2019 19:26
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/13/2019 1:29:07 AM

Quant Time: Jul 11 07:50:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	991325	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.22	114	1324114	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1069221	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	564822	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	501879	46.58	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	93.16%	
35) Dibromofluoromethane	6.92	113	536213	48.03	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	96.06%	
50) Toluene-d8	10.40	98	1214541	49.98	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	99.96%	
62) 4-Bromofluorobenzene	13.55	95	505884	45.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	477819	37.248	ug/l	99
3) Chloromethane	1.74	50	359061	37.218	ug/l	92
4) Vinyl Chloride	1.84	62	409372	42.797	ug/l	93
5) Bromomethane	2.14	94	190815	42.596	ug/l	97
6) Chloroethane	2.26	64	192425	44.433	ug/l	97
7) Trichlorofluoromethane	2.52	101	886920	45.815	ug/l	97
8) Diethyl Ether	2.87	74	112238	45.631	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.14	101	454275	43.316	ug/l	95
10) Methyl Iodide	3.30	142	652245	47.141	ug/l	97
11) Tert butyl alcohol	4.08	59	129729	264.338	ug/l #	94
12) 1,1-Dichloroethene	3.12	96	318776	40.518	ug/l #	78
13) Acrolein	3.03	56	83769	167.198	ug/l	95
14) Allyl chloride	3.61	41	580104	49.901	ug/l	98
15) Acrylonitrile	4.19	53	330301	286.428	ug/l	92
16) Acetone	3.22	43	494795	225.753	ug/l	98
17) Carbon Disulfide	3.36	76	988090	39.297	ug/l	100
18) Methyl Acetate	3.64	43	210320	64.657	ug/l	99
19) Methyl tert-butyl Ether	4.23	73	941386	55.273	ug/l	100
20) Methylene Chloride	3.81	84	396804	48.285	ug/l	93
21) trans-1,2-Dichloroethene	4.21	96	417396	49.826	ug/l	92
22) Diisopropyl ether	5.12	45	1279269	54.112	ug/l	96
23) Vinyl Acetate	5.05	43	3910838	264.364	ug/l	98
24) 1,1-Dichloroethane	4.97	63	811513	52.722	ug/l	99
25) 2-Butanone	6.06	43	565444	280.568	ug/l	94
26) 2,2-Dichloropropane	6.01	77	774502	47.471	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	449780	50.773	ug/l	95
28) Bromochloromethane	6.44	49	296855	54.758	ug/l	93
29) Tetrahydrofuran	6.46	42	271859	285.104	ug/l	97
30) Chloroform	6.66	83	996043	53.209	ug/l	98
31) Cyclohexane	6.95	56	495495	48.967	ug/l	95
32) 1,1,1-Trichloroethane	6.86	97	898659	46.091	ug/l	93
36) 1,1-Dichloropropene	7.13	75	607196	48.442	ug/l	98
37) Ethyl Acetate	6.18	43	273797	52.044	ug/l	95
38) Carbon Tetrachloride	7.11	117	922398m	48.930	ug/l	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071019\
 Data File : VD063067.D
 Acq On : 10 Jul 2019 19:26
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/13/2019 1:29:07 AM

Quant Time: Jul 11 07:50:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	513017	46.497	ug/l	96
40) Benzene	7.45	78	1327216	52.749	ug/l	96
41) Methacrylonitrile	6.45	41	362942	54.906	ug/l #	90
42) 1,2-Dichloroethane	7.57	62	698573	50.895	ug/l	96
43) Isopropyl Acetate	9.23	43	393881	59.938	ug/l #	99
44) Trichloroethene	8.53	130	521524	52.871	ug/l	92
45) 1,2-Dichloropropane	8.94	63	322375	51.527	ug/l	97
46) Dibromomethane	9.06	93	272693	50.740	ug/l	89
47) Bromodichloromethane	9.37	83	717233	51.386	ug/l	100
48) Methyl methacrylate	9.11	41	246818	52.853	ug/l	90
49) 1,4-Dioxane	9.08	88	41185	1060.052	ug/l #	83
51) 4-Methyl-2-Pentanone	10.29	43	1306927	280.508	ug/l	97
52) Toluene	10.50	92	865971	51.201	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	628722	55.034	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	641684	51.677	ug/l	90
55) 1,1,2-Trichloroethane	11.19	97	300303	51.681	ug/l	96
56) Ethyl methacrylate	11.04	69	345041	55.564	ug/l	90
57) 1,3-Dichloropropane	11.41	76	485960	54.620	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.85	63	941307	295.262	ug/l	98
59) 2-Hexanone	11.53	43	914096	275.481	ug/l	99
60) Dibromochloromethane	11.68	129	594415	54.920	ug/l	97
61) 1,2-Dibromoethane	11.80	107	368735	53.730	ug/l	98
64) Tetrachloroethene	11.25	164	420898	47.830	ug/l	96
65) Chlorobenzene	12.39	112	1075577	54.203	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	491441	52.957	ug/l	93
67) Ethyl Benzene	12.52	91	1871817	52.539	ug/l	99
68) m/p-Xylenes	12.67	106	1331852	107.334	ug/l	92
69) o-Xylene	13.04	106	628459	55.404	ug/l	98
70) Styrene	13.07	104	1072434	53.826	ug/l	94
71) Bromoform	13.23	173	347874	54.713	ug/l #	93
73) Isopropylbenzene	13.40	105	1919037	52.990	ug/l	98
74) N-amyl acetate	13.26	43	516126	58.685	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	349438	59.220	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	370359	56.799	ug/l	94
77) Bromobenzene	13.67	156	539007	55.335	ug/l	92
78) n-propylbenzene	13.77	91	2185879	51.858	ug/l	97
79) 2-Chlorotoluene	13.84	91	1297399	53.859	ug/l	95
80) 1,3,5-Trimethylbenzene	13.93	105	1535108	50.465	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	101986	59.679	ug/l	97
82) 4-Chlorotoluene	13.95	91	1511606	52.123	ug/l	97
83) tert-Butylbenzene	14.18	119	1757040	51.819	ug/l	92
84) 1,2,4-Trimethylbenzene	14.23	105	1607569	51.560	ug/l	98
85) sec-Butylbenzene	14.36	105	1805932	49.004	ug/l	93
86) p-Isopropyltoluene	14.49	119	1638306	48.594	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	928832	53.194	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	884684	50.444	ug/l	96
89) n-Butylbenzene	14.79	91	1521918	48.230	ug/l	97
90) Hexachloroethane	15.00	117	469554	51.800	ug/l	77
91) 1,2-Dichlorobenzene	14.80	146	813408	54.447	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.37	75	66210	57.489	ug/l	74

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071019\
Data File : VD063067.D
Acq On : 10 Jul 2019 19:26
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

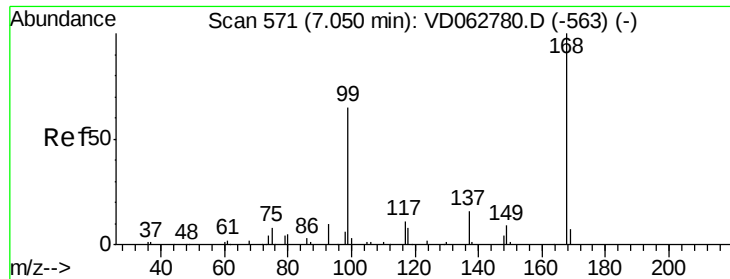
Manual Integrations
APPROVED

MMDadoda
7/13/2019 1:29:07 AM

Quant Time: Jul 11 07:50:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	608358	52.129	ug/l	98
94) Hexachlorobutadiene	16.03	225	449024	50.365	ug/l	98
95) Naphthalene	16.12	128	919254	56.200	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	498422	55.586	ug/l	96

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



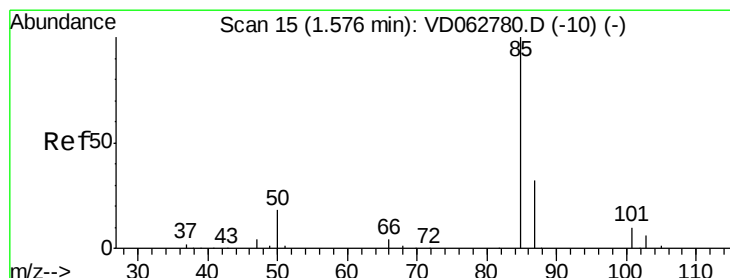
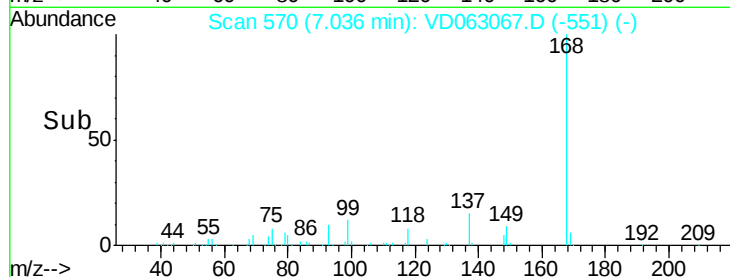
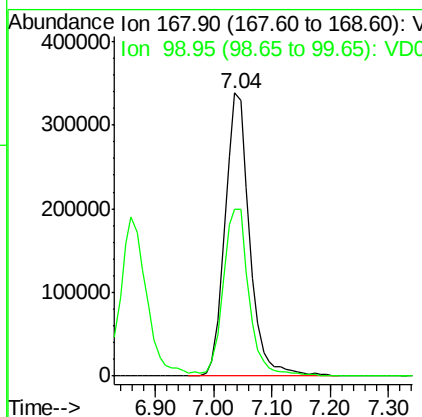
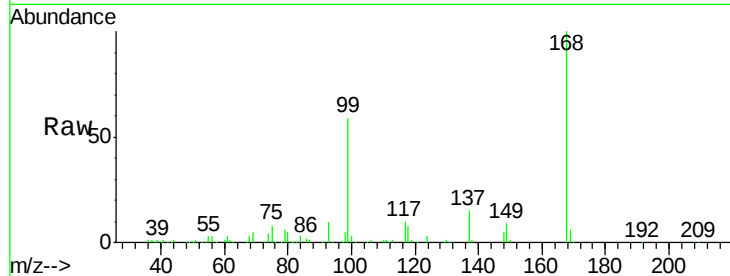
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.01 min
Lab File: VD063067.D
Acq: 10 Jul 2019 19:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
168	100		
99	58.9	53.0	79.6

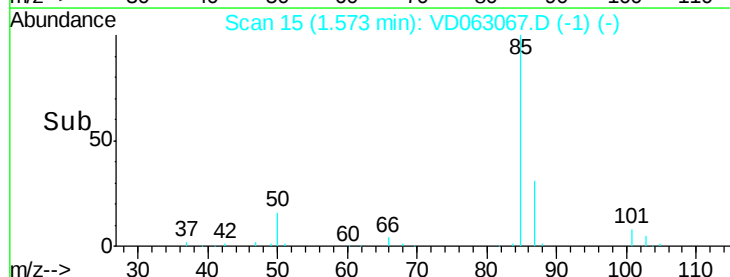
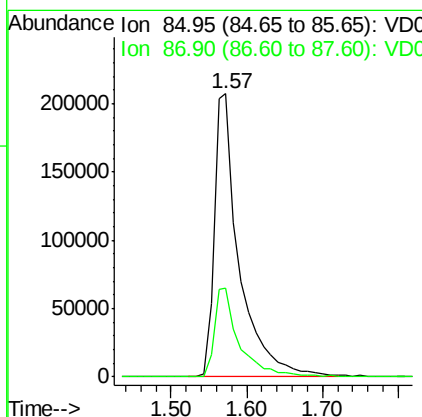
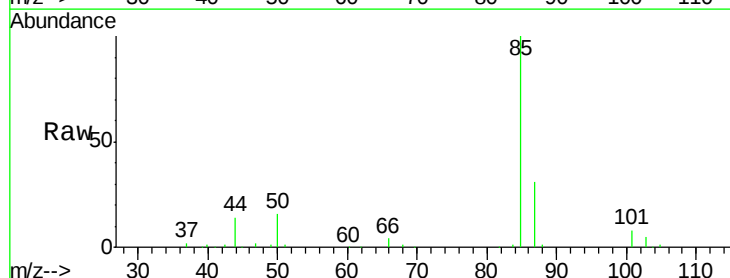
Manual Integrations
APPROVED

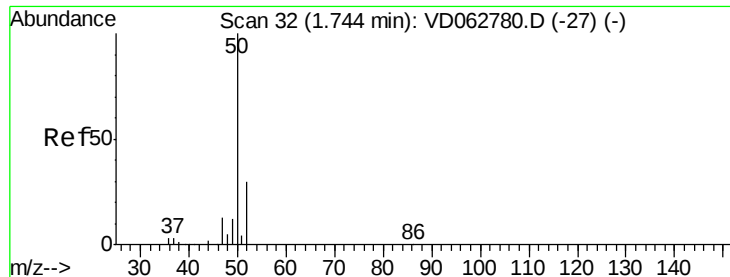
MMDadoda
7/13/2019 1:29:07 AM



#2
Dichlorodifluoromethane
Concen: 37.248 ug/l
RT: 1.57 min Scan# 15
Delta R.T. -0.00 min
Lab File: VD063067.D
Acq: 10 Jul 2019 19:26

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.3	15.9	47.6





#3

Chloromethane

Concen: 37.218 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD063067.D

Acq: 10 Jul 2019 19:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 359061

Ion Ratio Lower Upper

50 100

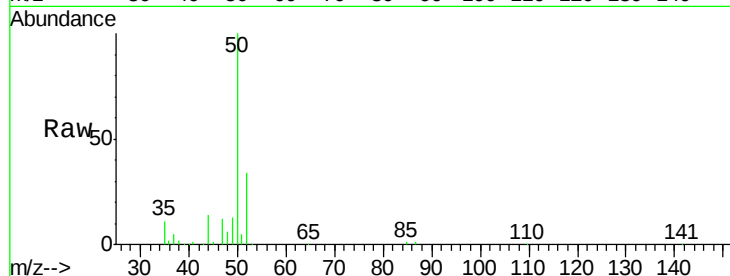
52 33.8 23.6 35.4

Manual Integrations

APPROVED

MMDadoda

7/13/2019 1:29:07 AM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.74

120000

100000

80000

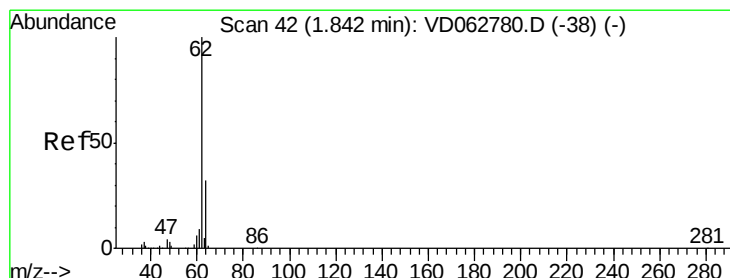
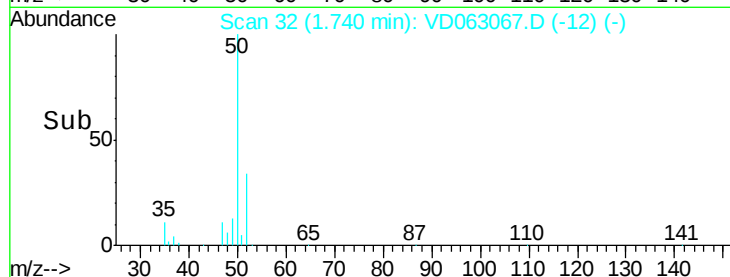
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 42.797 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.00 min

Lab File: VD063067.D

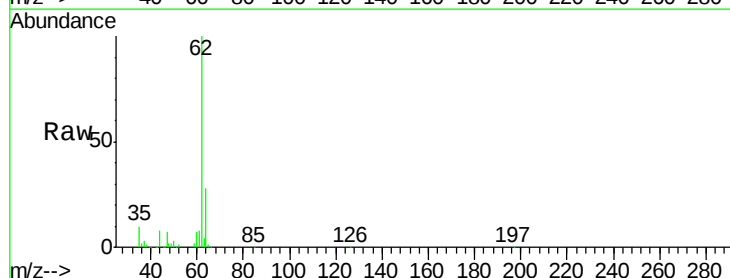
Acq: 10 Jul 2019 19:26

Tgt Ion: 62 Resp: 409372

Ion Ratio Lower Upper

62 100

64 28.1 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.84

250000

200000

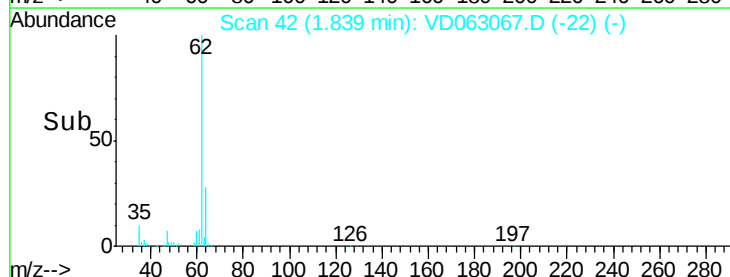
150000

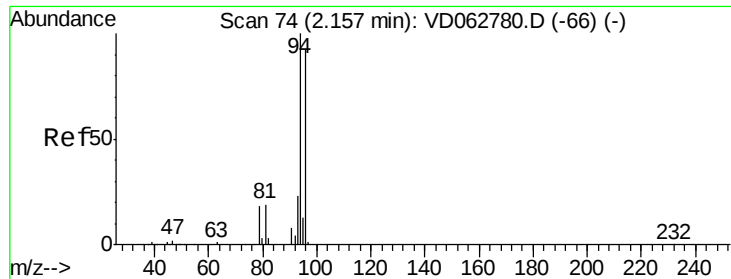
100000

50000

0

Time-->





#5

Bromomethane

Concen: 42.596 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD063067.D

Acq: 10 Jul 2019 19:26

Instrument :

MSVOA_D

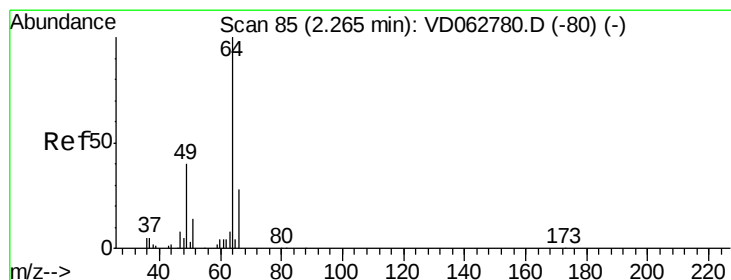
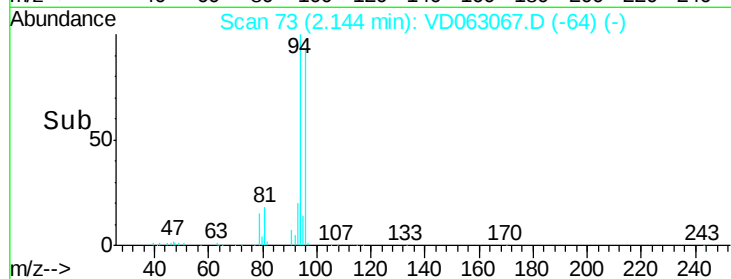
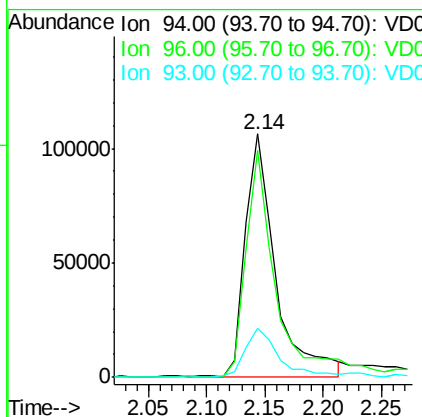
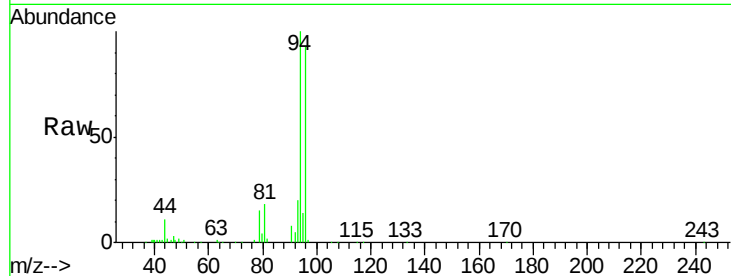
ClientSampleId :

VSTDCCC050EC

Tot Ion:	94	Resp:	190815
Ion	Ratio	Lower	Upper
94	100		
96	94.6	73.4	110.2
93	20.4	18.2	27.4

Manual Integrations
APPROVED

MMDadoda
7/13/2019 1:29:07 AM



#6

Chloroethane

Concen: 44.433 ug/l

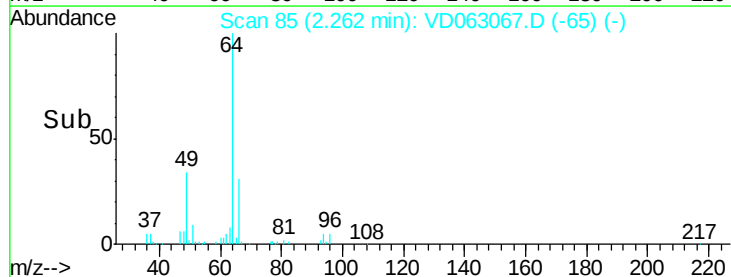
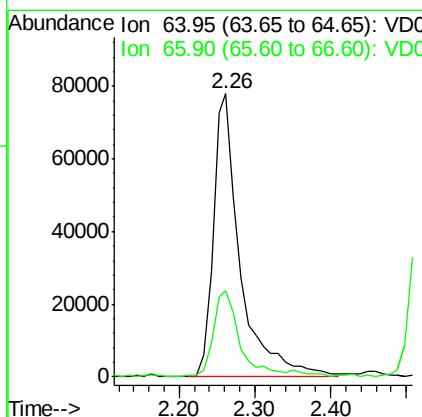
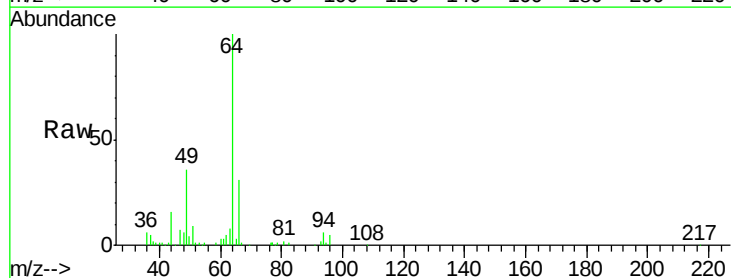
RT: 2.26 min Scan# 85

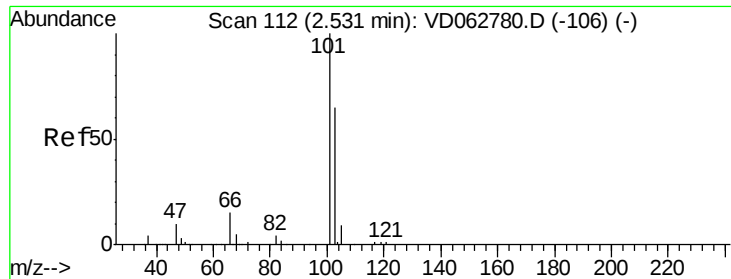
Delta R.T. -0.00 min

Lab File: VD063067.D

Acq: 10 Jul 2019 19:26

Tgt Ion:	64	Resp:	192425
Ion	Ratio	Lower	Upper
64	100		
66	30.5	23.0	34.4





#7

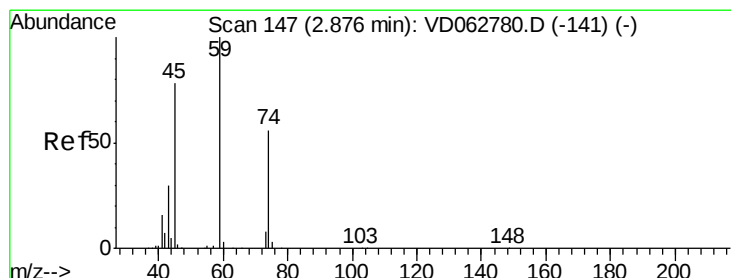
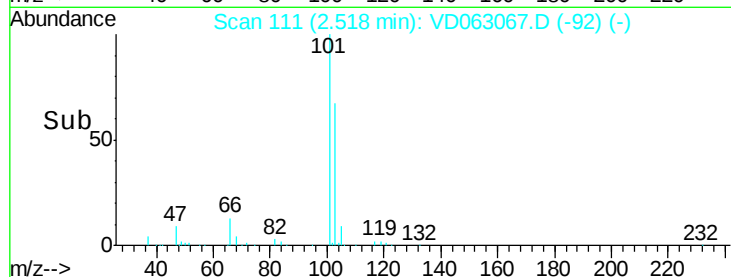
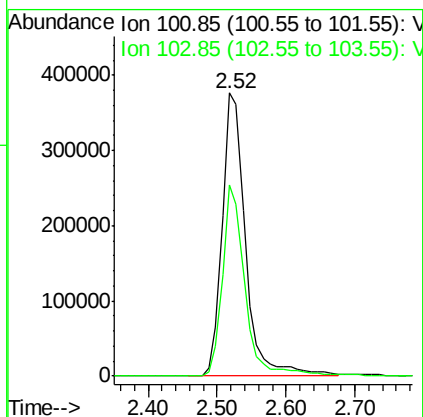
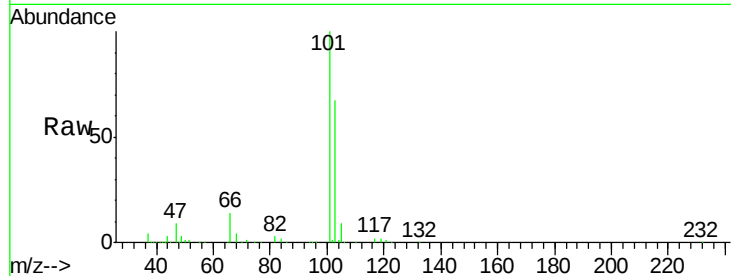
Trichlorofluoromethane
 Concen: 45.815 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.01 min
 Lab File: VD063067.D
 Acq: 10 Jul 2019 19:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.4	51.8	77.8

Manual Integrations
 APPROVED

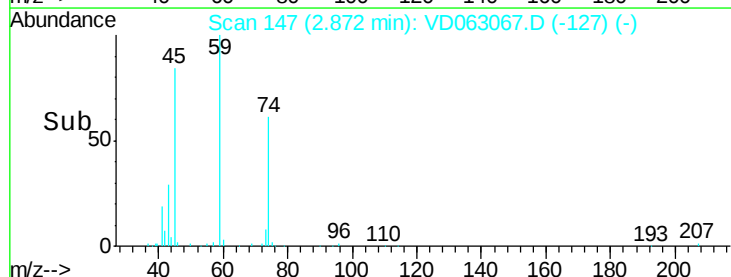
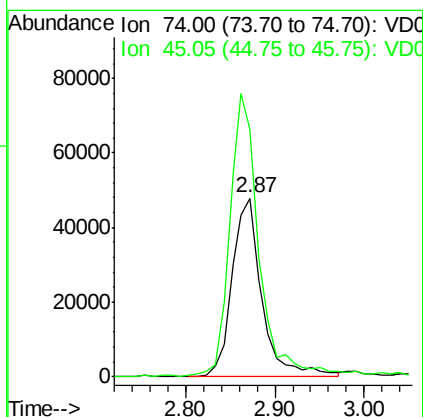
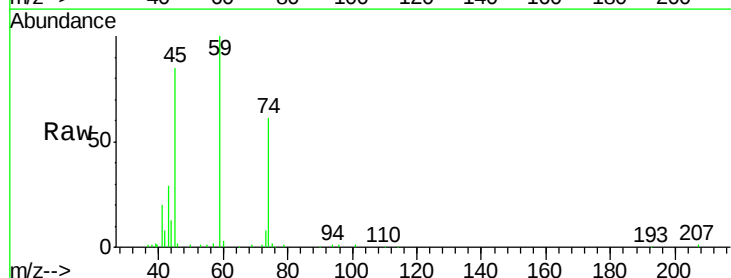
MMDadoda
 7/13/2019 1:29:07 AM

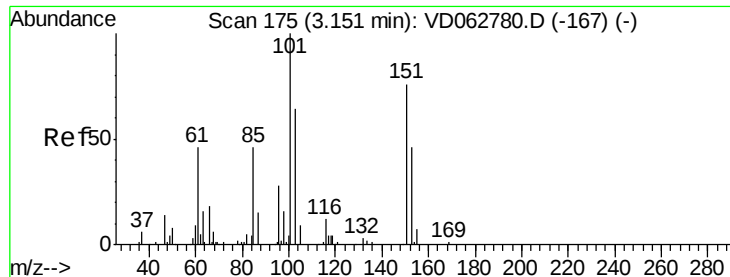


#8

Diethyl Ether
 Concen: 45.631 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.00 min
 Lab File: VD063067.D
 Acq: 10 Jul 2019 19:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	138.5	70.2	210.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.316 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.01 min

Lab File: VD063067.D

Acq: 10 Jul 2019 19:26

Instrument :

MSVOA_D

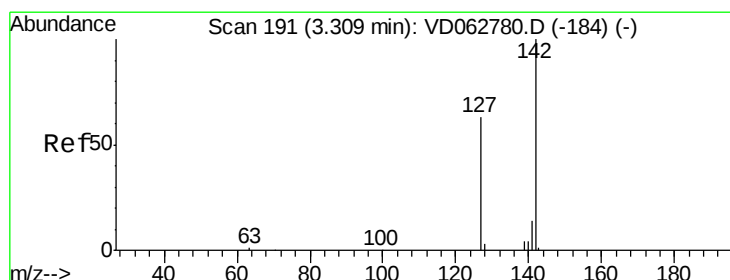
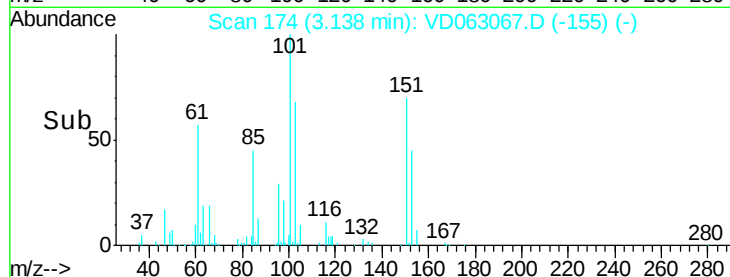
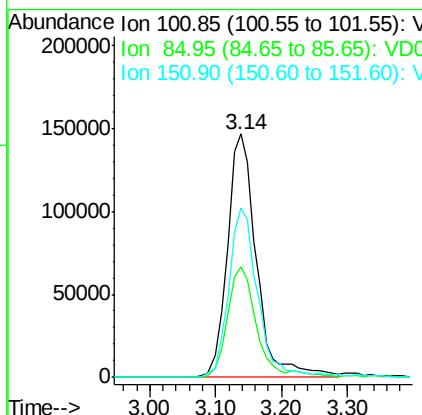
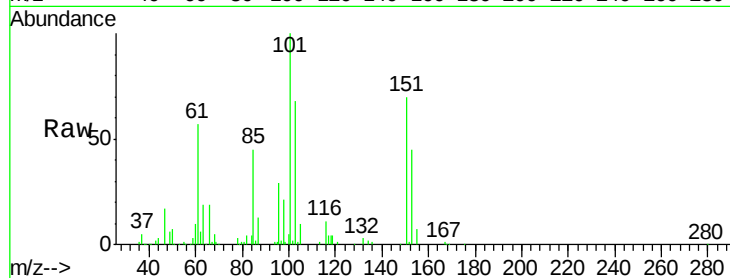
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	454275
Ion Ratio	Lower	Upper	
101	100		
85	45.4	37.0	55.4
151	69.7	60.5	90.7

Manual Integrations
APPROVED

MMDadoda
7/13/2019 1:29:07 AM



#10

Methyl Iodide

Concen: 47.141 ug/l

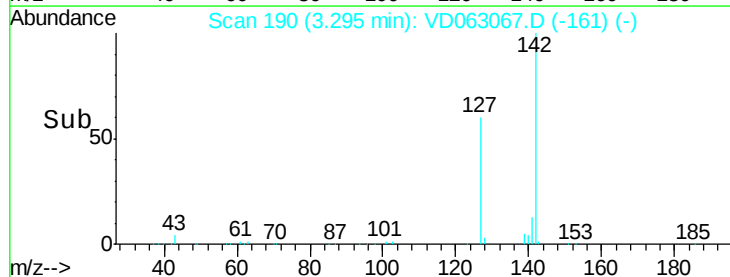
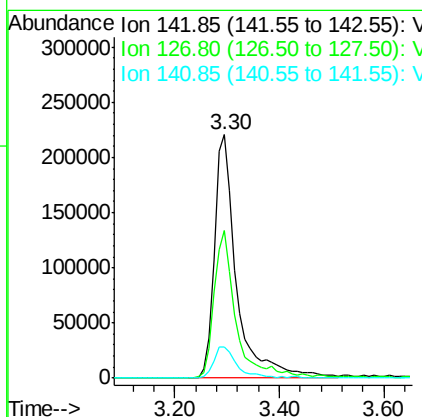
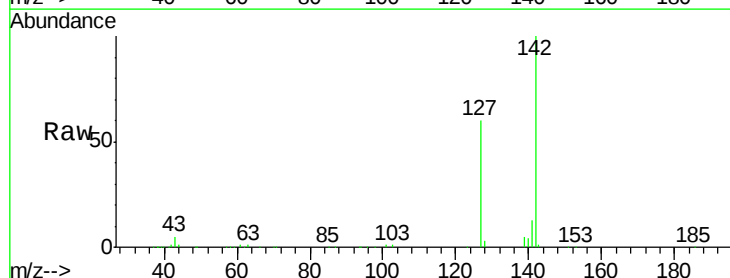
RT: 3.30 min Scan# 190

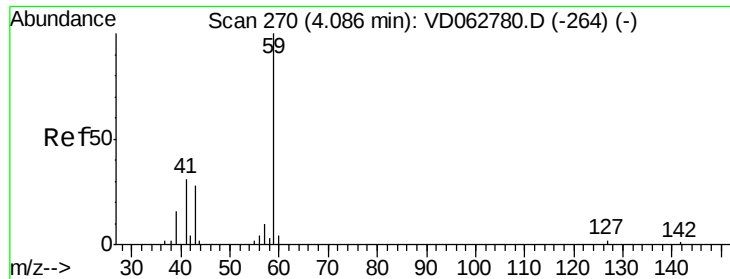
Delta R.T. -0.01 min

Lab File: VD063067.D

Acq: 10 Jul 2019 19:26

Tgt Ion:	142	Resp:	652245
Ion Ratio	Lower	Upper	
142	100		
127	60.4	50.1	75.1
141	12.7	11.0	16.4





#11

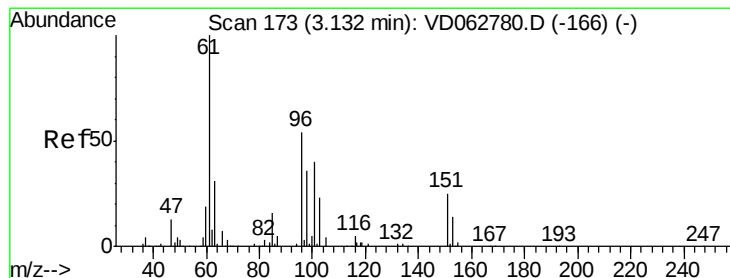
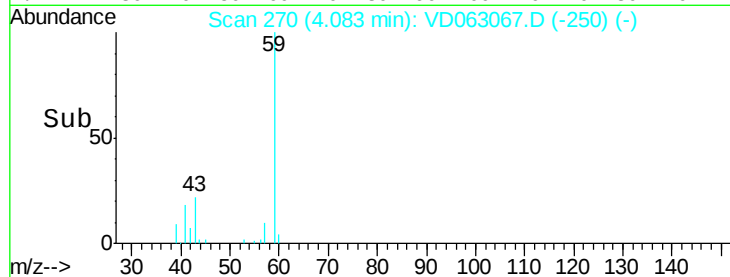
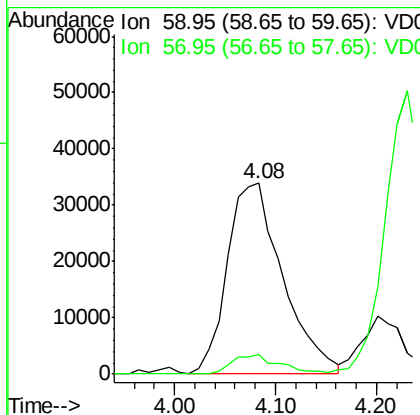
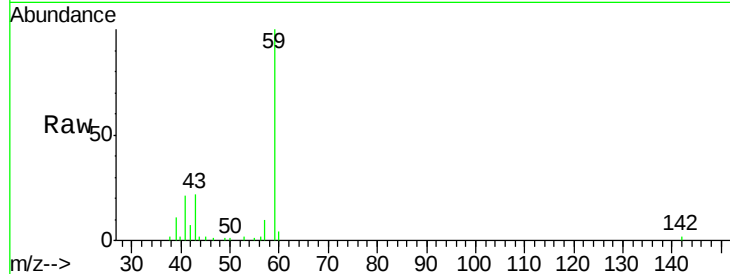
Tert butyl alcohol
 Concen: 264.338 ug/l
 RT: 4.08 min Scan# 270
 Delta R.T. -0.00 min
 Lab File: VD063067.D
 Acq: 10 Jul 2019 19:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 59 Resp: 129729
 Ion Ratio Lower Upper
 59 100
 57 10.4 6.6 10.0#

Manual Integrations
 APPROVED

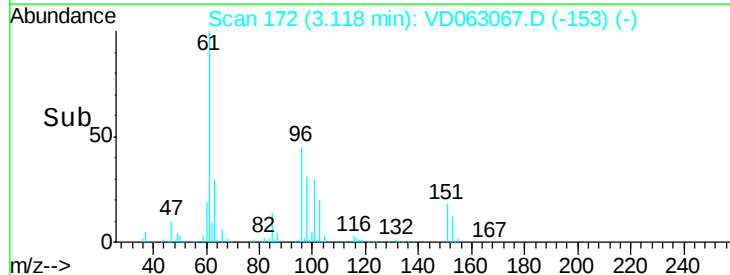
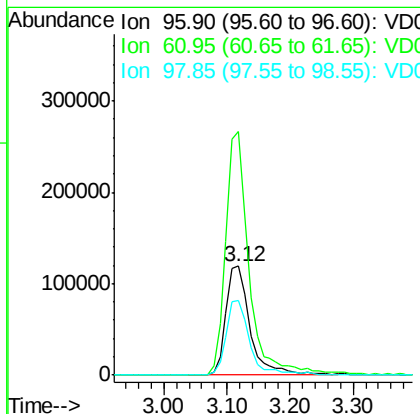
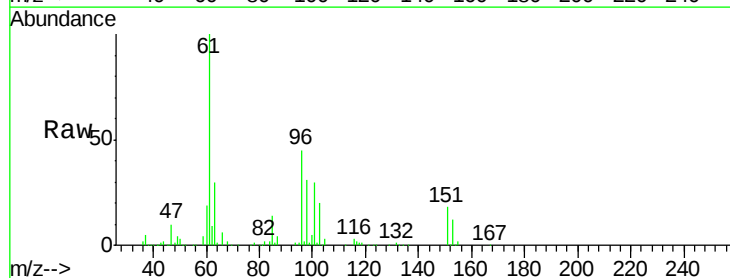
MMDadoda
 7/13/2019 1:29:07 AM

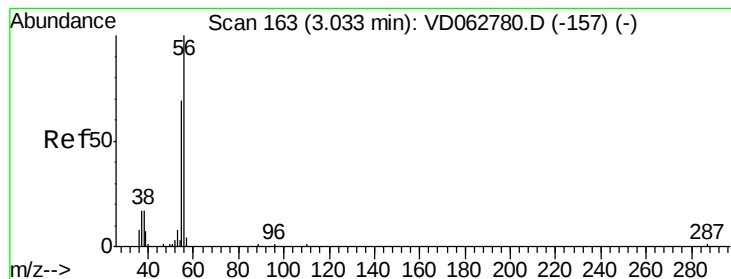


#12

1,1-Dichloroethene
 Concen: 40.518 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. -0.01 min
 Lab File: VD063067.D
 Acq: 10 Jul 2019 19:26

Tgt Ion: 96 Resp: 318776
 Ion Ratio Lower Upper
 96 100
 61 223.9 147.1 220.7#
 98 69.1 52.6 79.0





#13

Acrolein

Concen: 167.198 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.00 min

Lab File: VD063067.D

Acq: 10 Jul 2019 19:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 83769

Ion Ratio Lower Upper

56 100

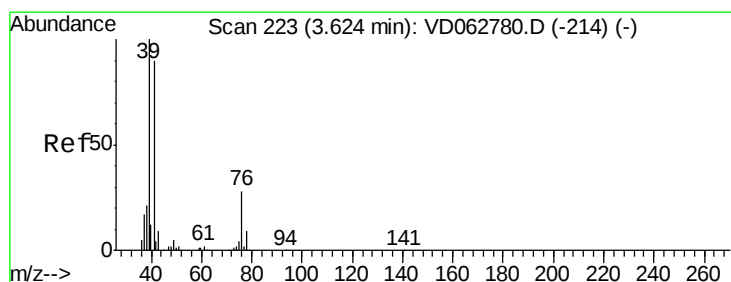
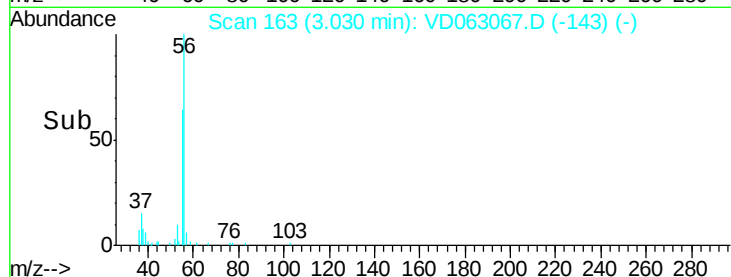
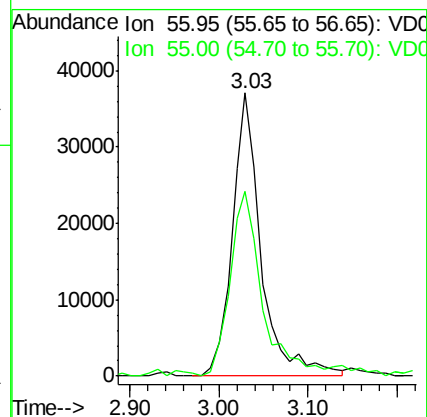
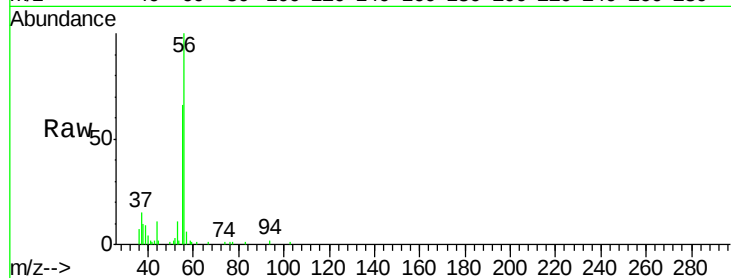
55 65.5 55.4 83.0

Manual Integrations

APPROVED

MMDadoda

7/13/2019 1:29:07 AM



#14

Allyl chloride

Concen: 49.901 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.01 min

Lab File: VD063067.D

Acq: 10 Jul 2019 19:26

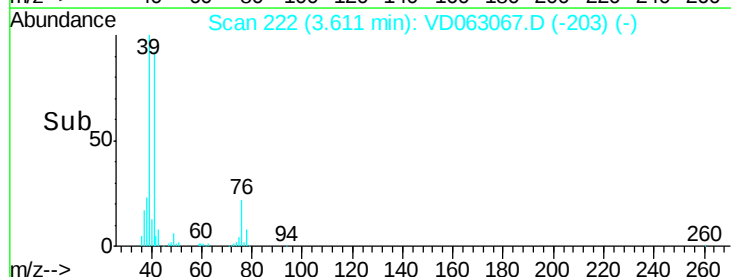
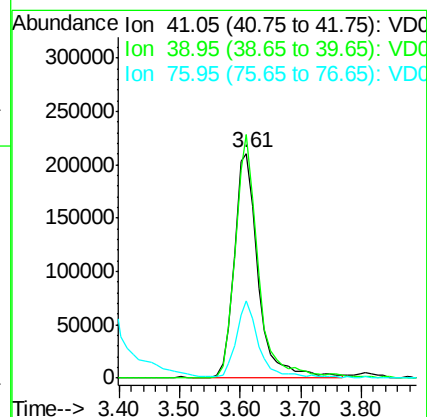
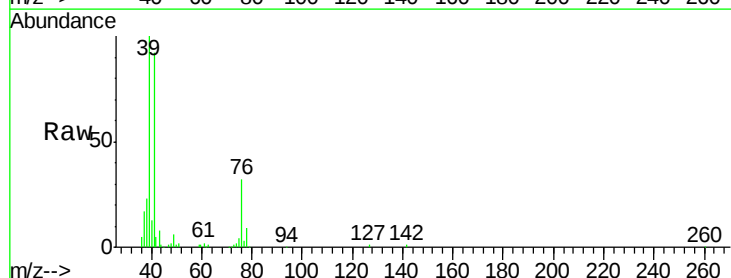
Tgt Ion: 41 Resp: 580104

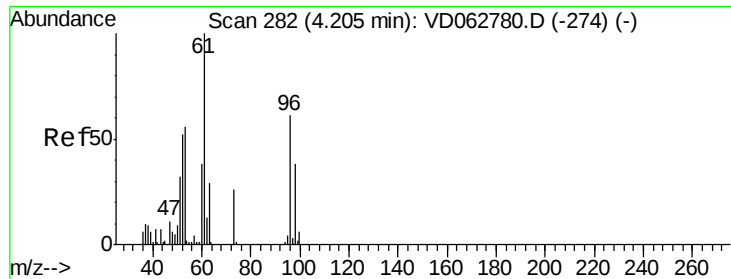
Ion Ratio Lower Upper

41 100

39 108.4 88.8 133.2

76 34.3 26.7 40.1





#15

Acrylonitrile

Concen: 286.428 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD063067.D

Acq: 10 Jul 2019 19:26

Instrument :

MSVOA_D

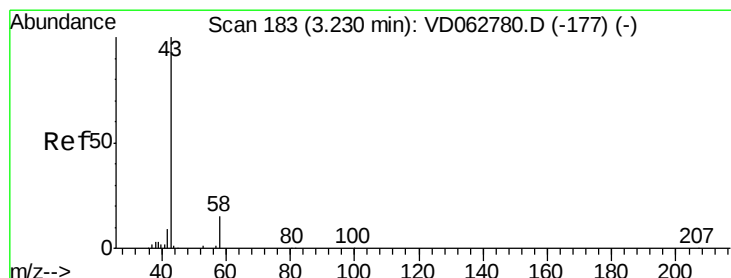
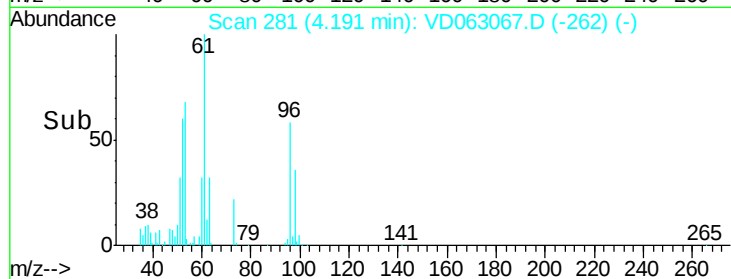
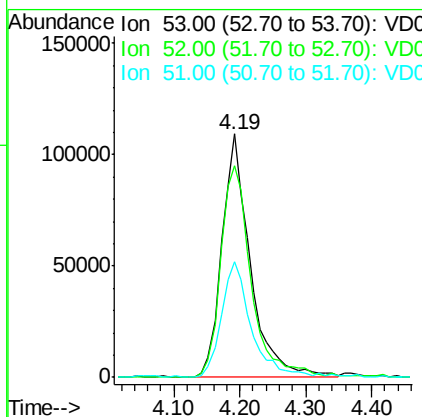
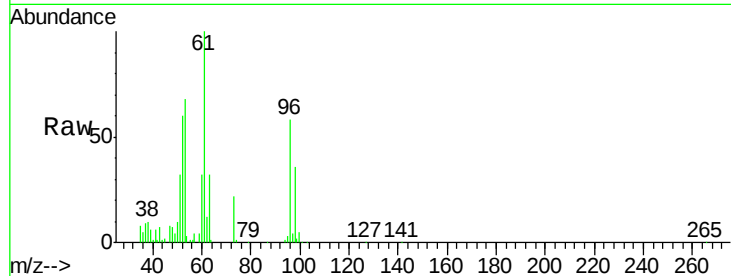
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	330301
Ion Ratio	Lower	Upper	
53	100		
52	87.0	73.3	109.9
51	47.2	44.8	67.2

Manual Integrations
APPROVED

MMDadoda
7/13/2019 1:29:07 AM



#16

Acetone

Concen: 225.753 ug/l

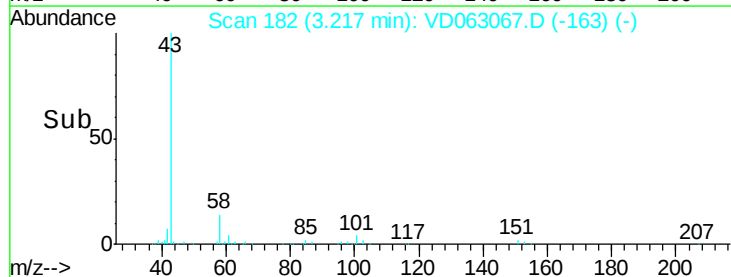
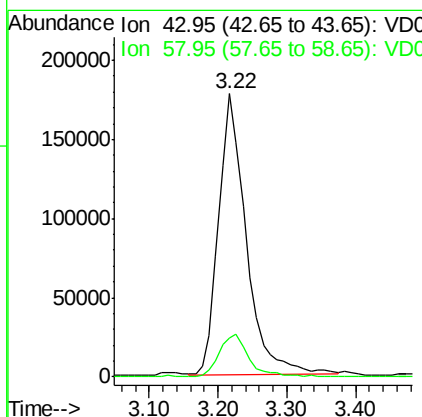
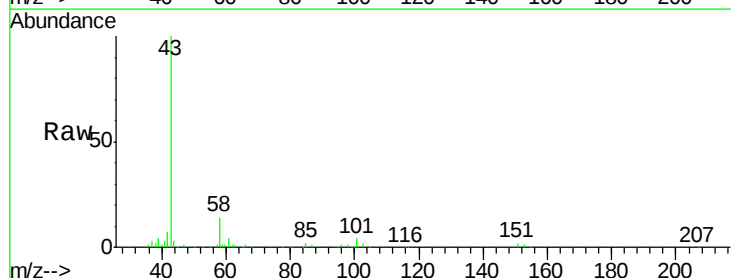
RT: 3.22 min Scan# 182

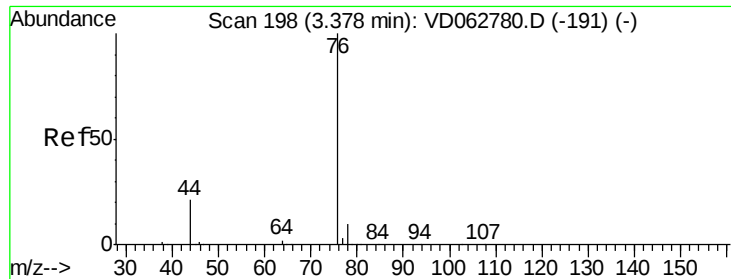
Delta R.T. -0.01 min

Lab File: VD063067.D

Acq: 10 Jul 2019 19:26

Tgt Ion:	43	Resp:	494795
Ion Ratio	Lower	Upper	
43	100		
58	13.9	11.9	17.9





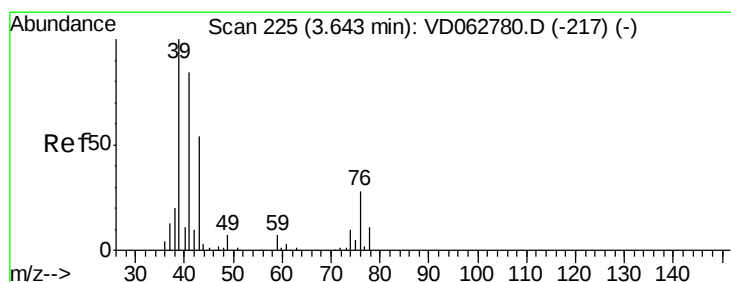
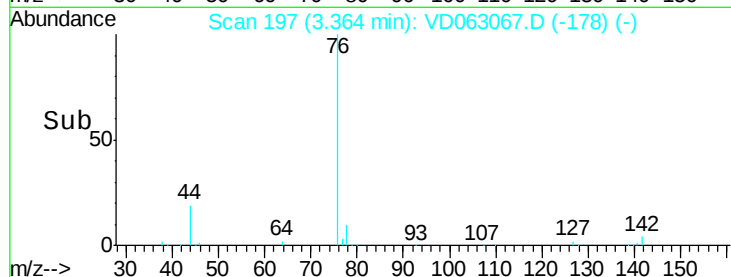
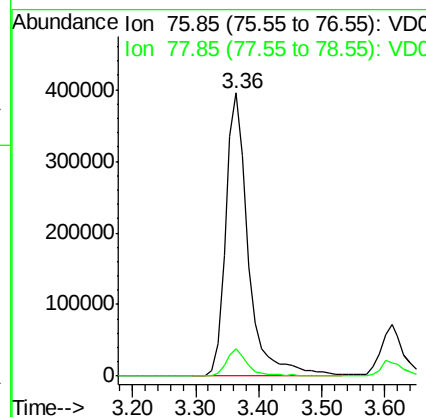
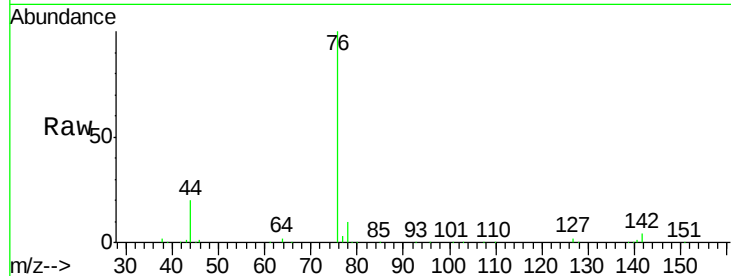
#17
Carbon Disulfide
Concen: 39.297 ug/l
RT: 3.36 min Scan# 197
Delta R.T. -0.01 min
Lab File: VD063067.D
Acq: 10 Jul 2019 19:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.8	8.0	12.0

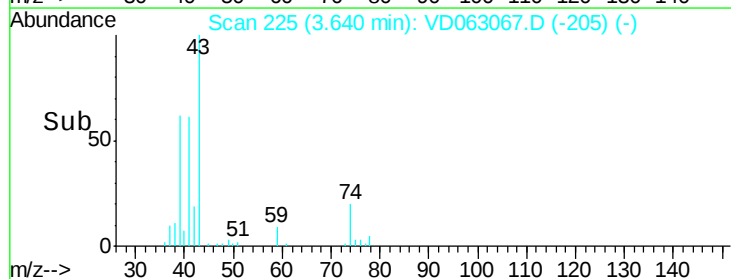
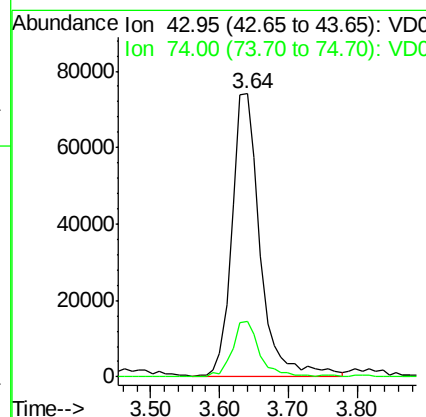
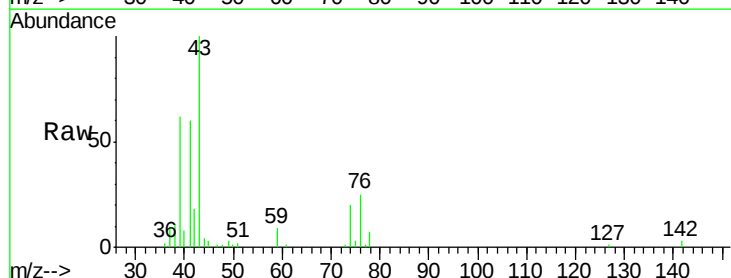
Manual Integrations
APPROVED

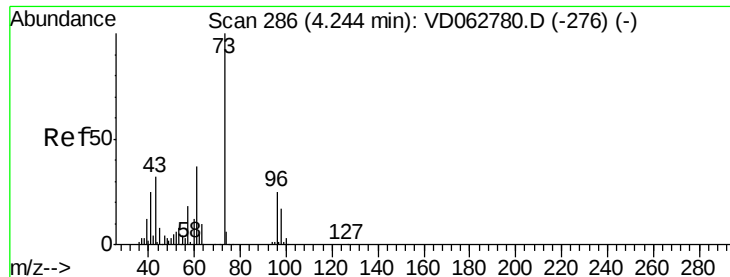
MMDadoda
7/13/2019 1:29:07 AM



#18
Methyl Acetate
Concen: 64.657 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.00 min
Lab File: VD063067.D
Acq: 10 Jul 2019 19:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.5	15.2	22.8





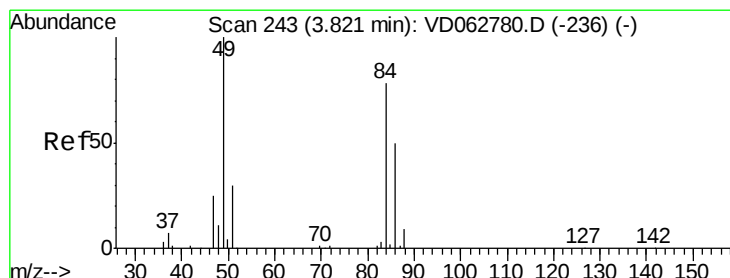
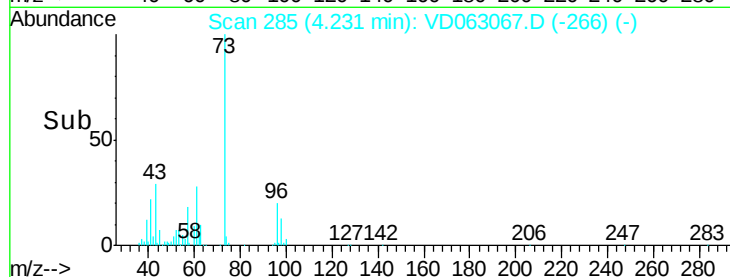
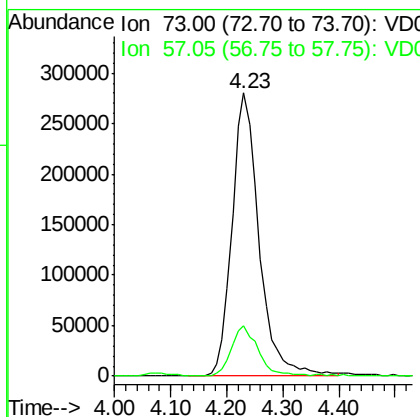
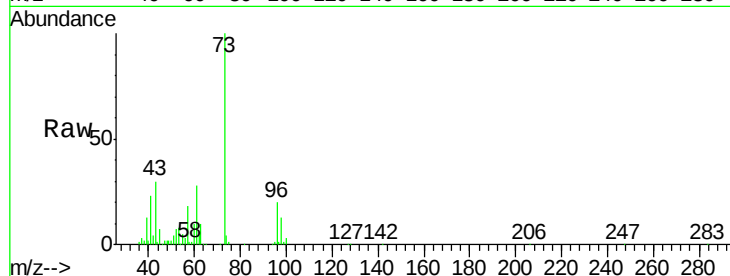
#19
Methvl tert-butvl Ether
Concen: 55.273 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD063067.D
Acq: 10 Jul 2019 19:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 941386
Ion Ratio Lower Upper
73 100
57 17.9 14.3 21.5

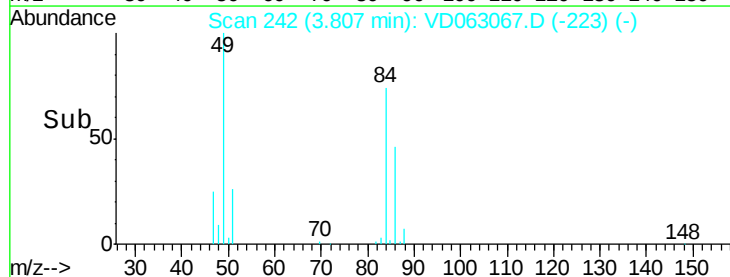
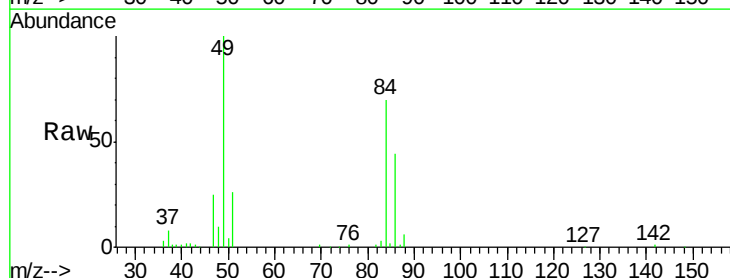
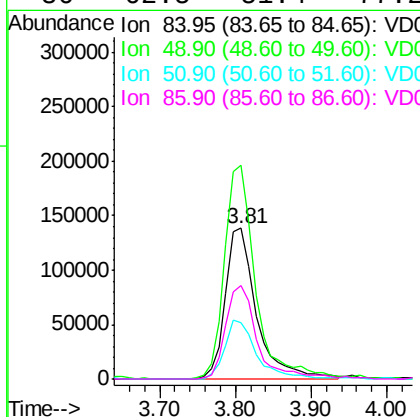
Manual Integrations
APPROVED

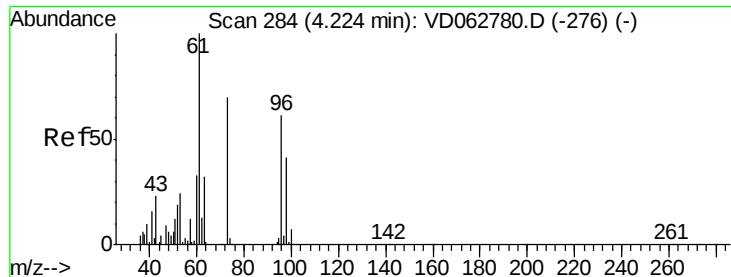
MMDadoda
7/13/2019 1:29:07 AM



#20
Methylene Chloride
Concen: 48.285 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD063067.D
Acq: 10 Jul 2019 19:26

Tgt Ion: 84 Resp: 396804
Ion Ratio Lower Upper
84 100
49 141.9 102.9 154.3
51 37.5 31.2 46.8
86 62.5 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 49.826 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.01 min

Lab File: VD063067.D

Acq: 10 Jul 2019 19:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 417396

Ion Ratio Lower Upper

96 100

61 150.4 131.0 196.4

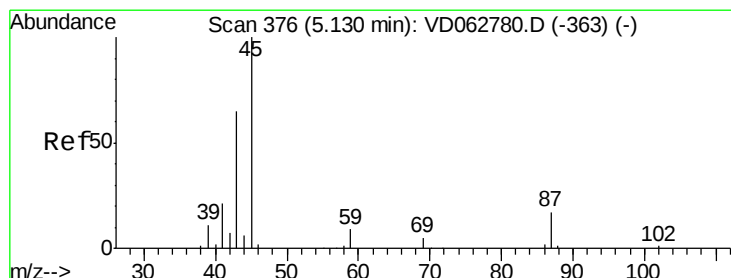
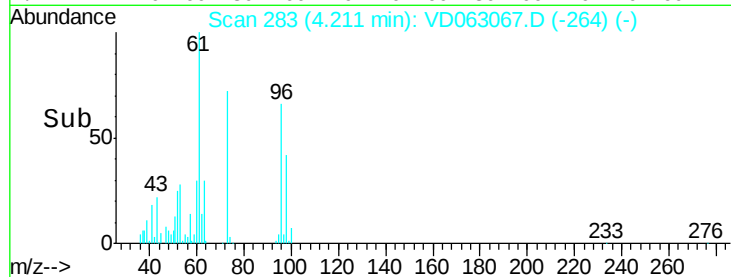
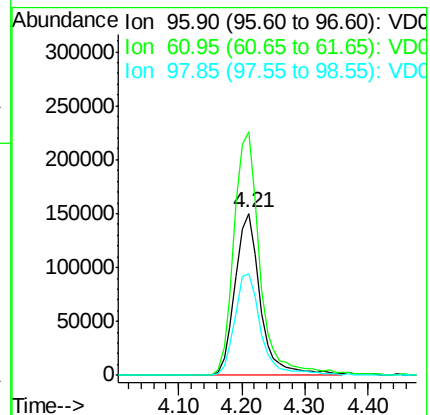
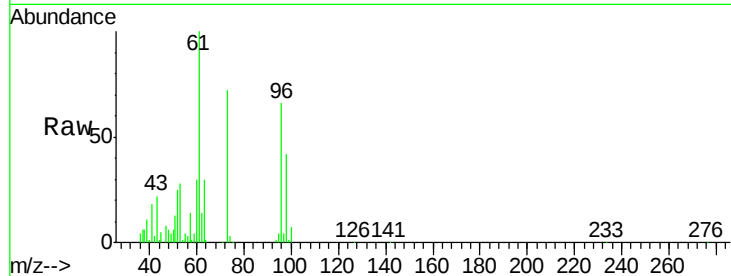
98 62.5 53.2 79.8

Manual Integrations

APPROVED

MMDadoda

7/13/2019 1:29:07 AM



#22

Diisopropyl ether

Concen: 54.112 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.01 min

Lab File: VD063067.D

Acq: 10 Jul 2019 19:26

Tgt Ion: 45 Resp: 1279269

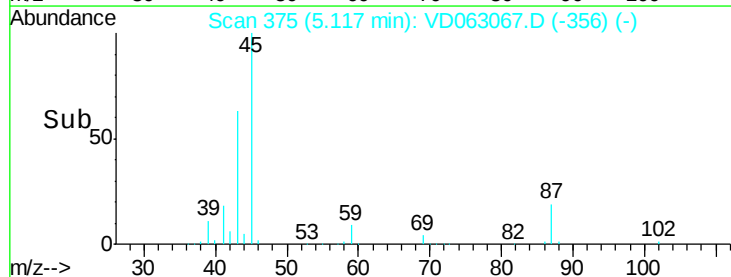
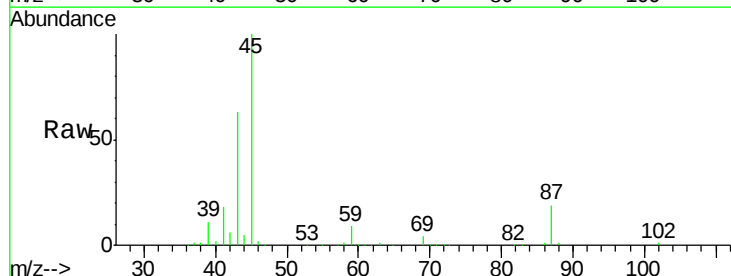
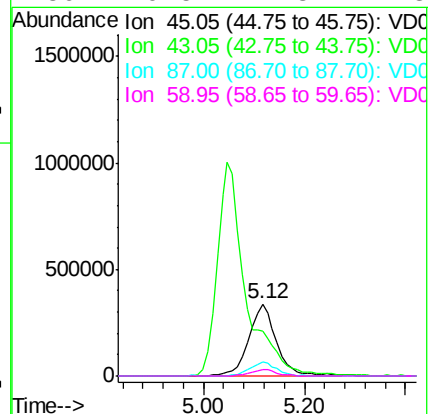
Ion Ratio Lower Upper

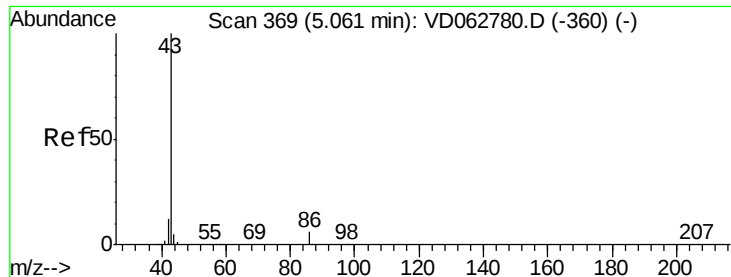
45 100

43 62.8 53.4 80.0

87 19.4 14.6 22.0

59 9.5 7.8 11.8





#23

Vinyl Acetate

Concen: 264.364 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD063067.D

Acq: 10 Jul 2019 19:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3910838

Ion Ratio Lower Upper

43 100

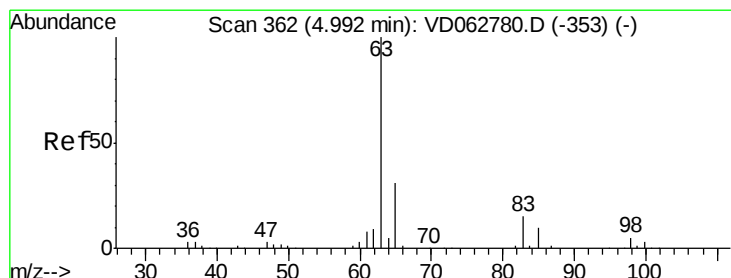
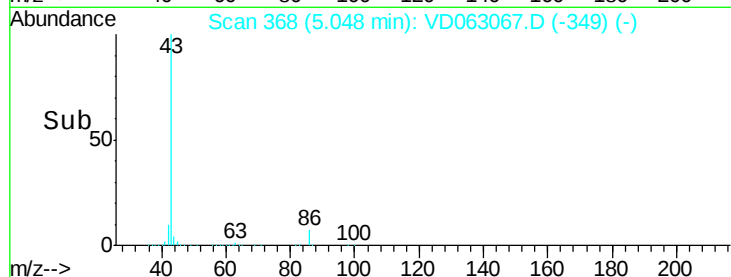
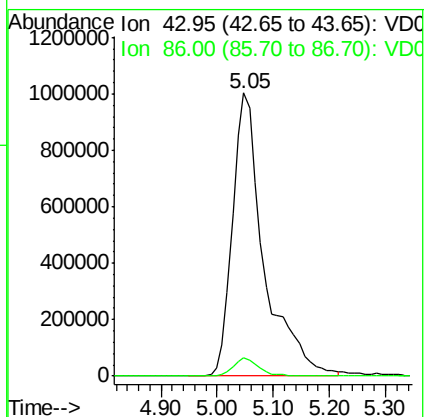
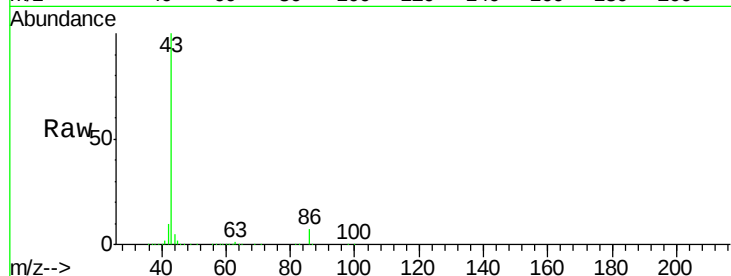
86 6.5 4.7 7.1

Manual Integrations

APPROVED

MMDadoda

7/13/2019 1:29:07 AM



#24

1,1-Dichloroethane

Concen: 52.722 ug/l

RT: 4.97 min Scan# 360

Delta R.T. -0.02 min

Lab File: VD063067.D

Acq: 10 Jul 2019 19:26

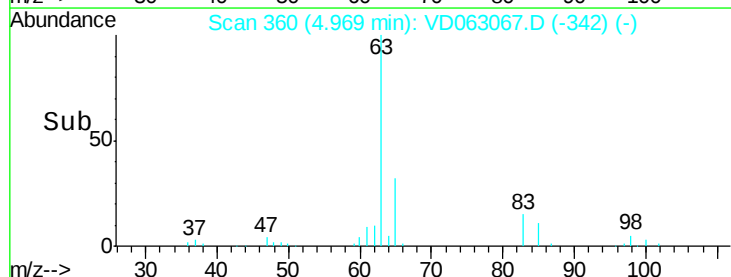
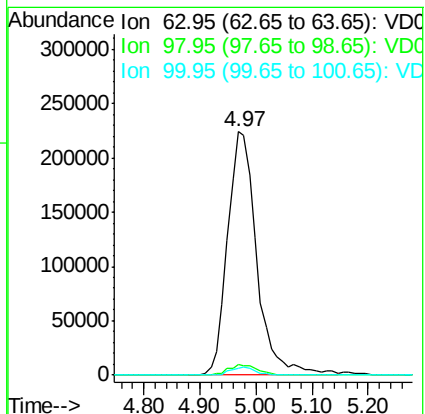
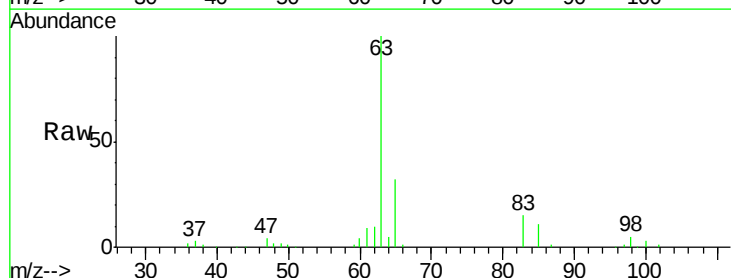
Tgt Ion: 63 Resp: 811513

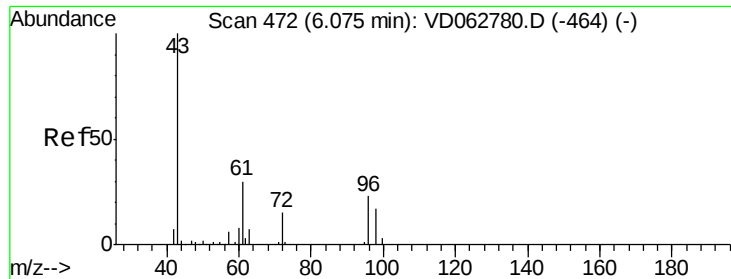
Ion Ratio Lower Upper

63 100

98 4.5 2.3 6.9

100 2.7 1.7 5.1





#25

2-Butanone

Concen: 280.568 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD063067.D

Acq: 10 Jul 2019 19:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 565444

Ion Ratio Lower Upper

43 100

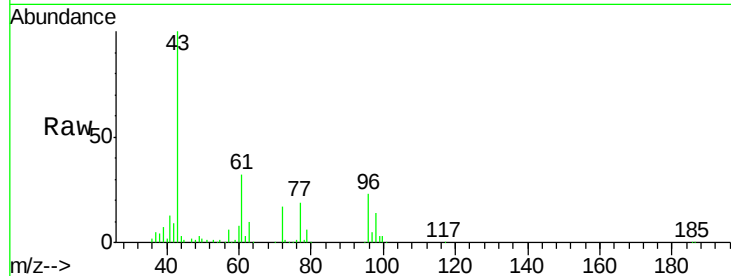
72 17.4 11.9 17.9

Manual Integrations

APPROVED

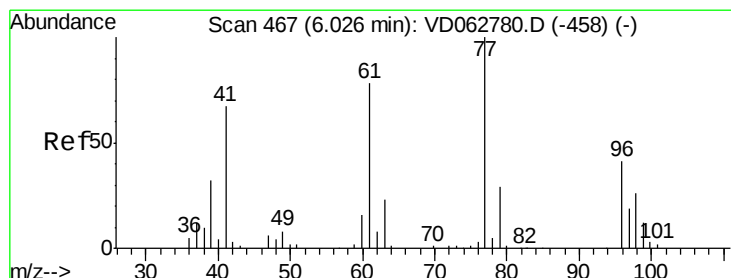
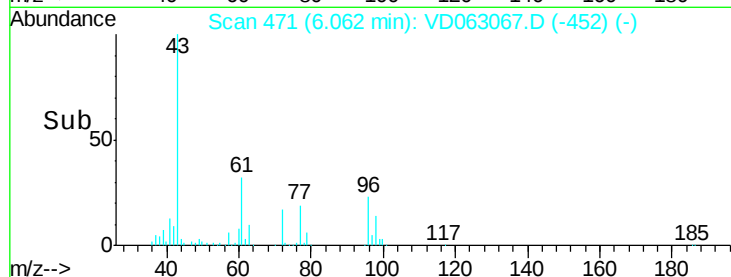
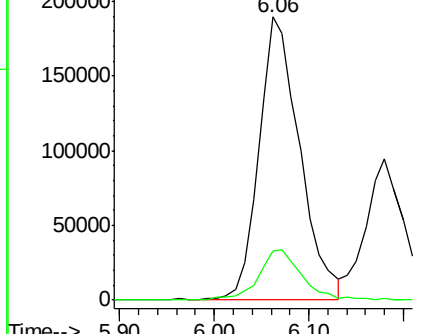
MMDadoda

7/13/2019 1:29:07 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: 47.471 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.01 min

Lab File: VD063067.D

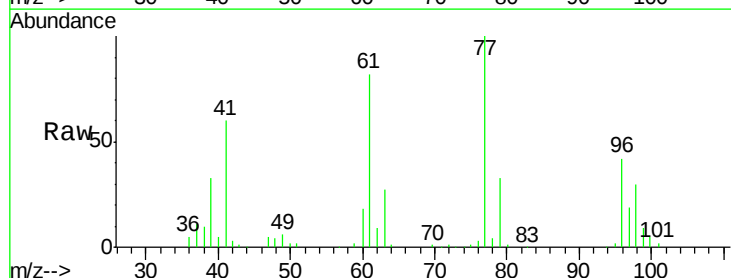
Acq: 10 Jul 2019 19:26

Tgt Ion: 77 Resp: 774502

Ion Ratio Lower Upper

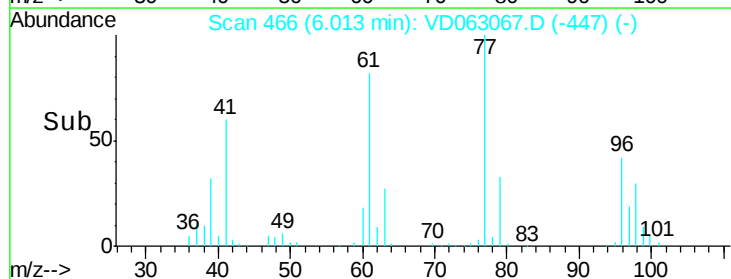
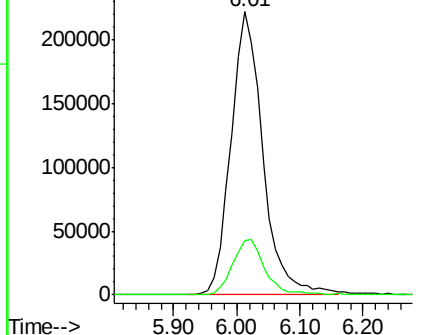
77 100

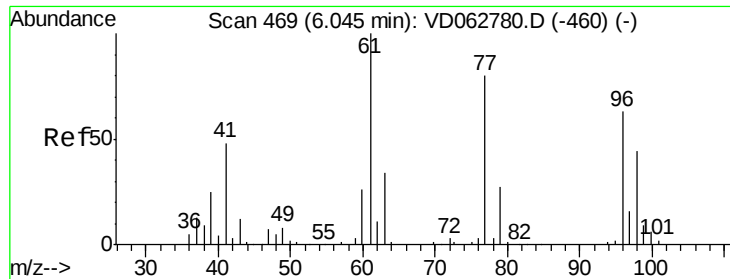
97 19.3 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

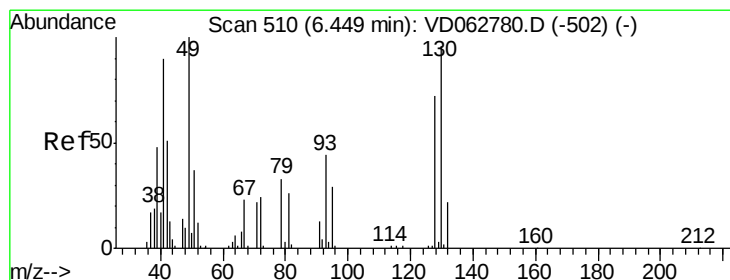
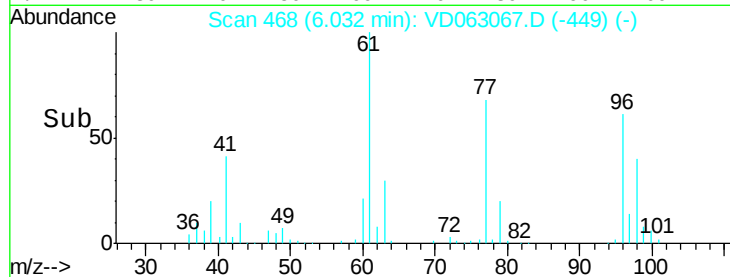
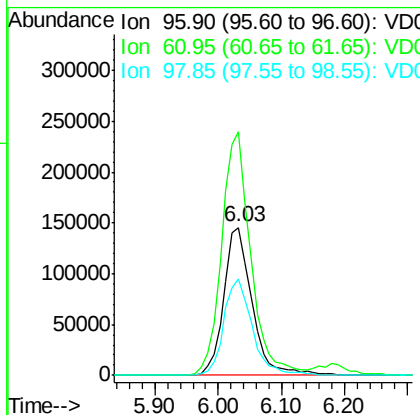
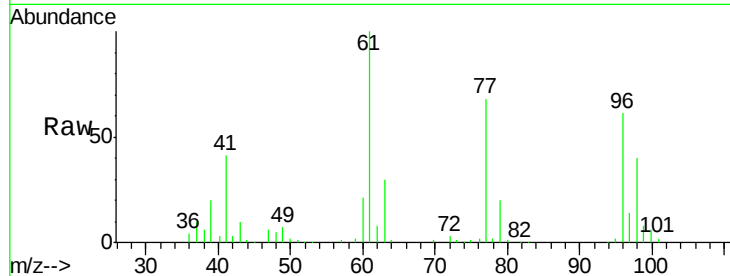
cis-1,2-Dichloroethene
Concen: 50.773 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.01 min
Lab File: VD063067.D
Acq: 10 Jul 2019 19:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	449780		
61	164.4	0.0	316.0	
98	65.2	0.0	138.4	

Manual Integrations
APPROVED

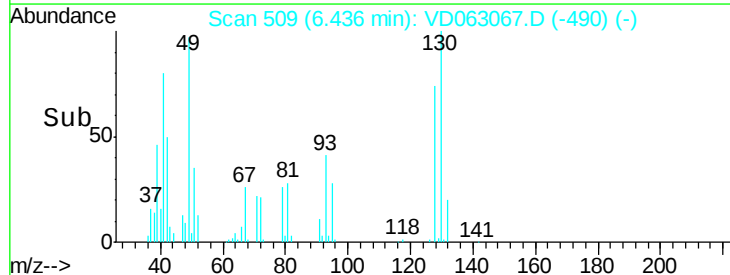
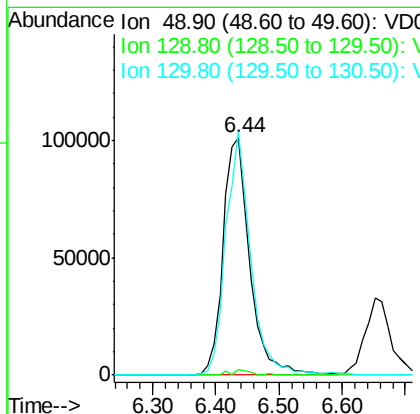
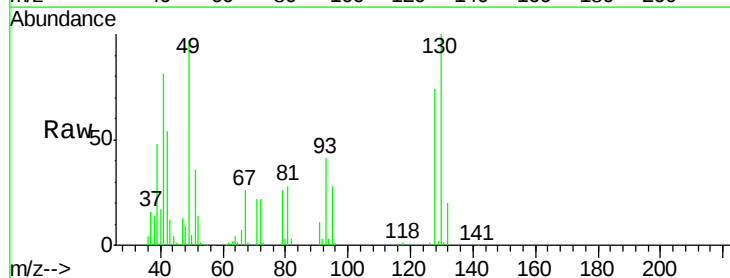
MMDadoda
7/13/2019 1:29:07 AM

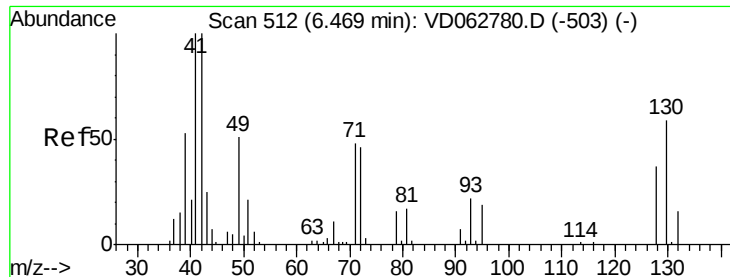


#28

Bromochloromethane
Concen: 54.758 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD063067.D
Acq: 10 Jul 2019 19:26

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	296855		
129	2.5	0.0	5.6	
130	102.6	76.6	114.8	





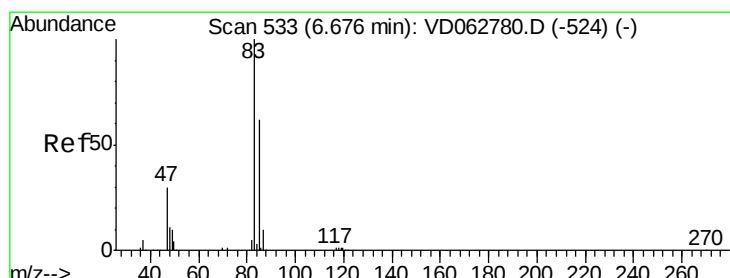
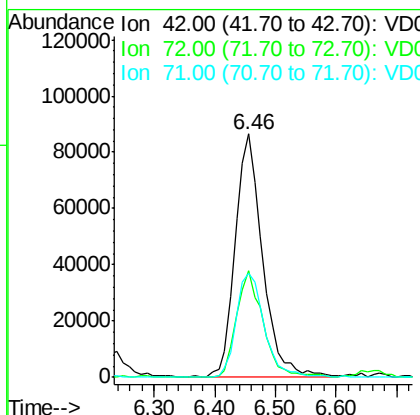
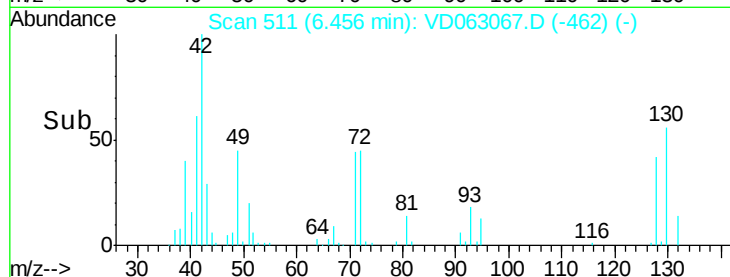
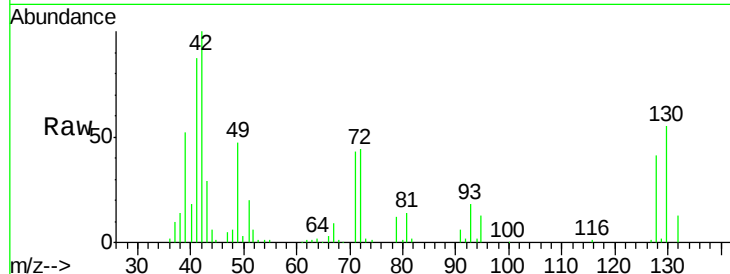
#29
Tetrahydrofuran
Concen: 285.104 ug/l
RT: 6.46 min Scan# 511
Delta R.T. -0.01 min
Lab File: VD063067.D
Acq: 10 Jul 2019 19:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
42	100	271859		
72	42.6		35.0	52.6
71	44.2		33.3	49.9

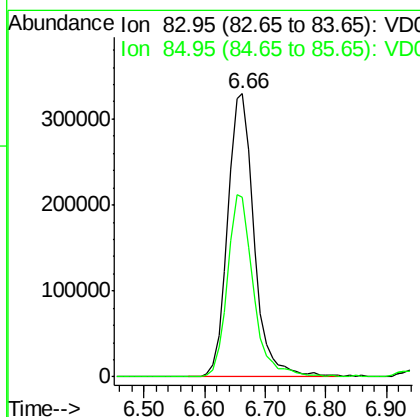
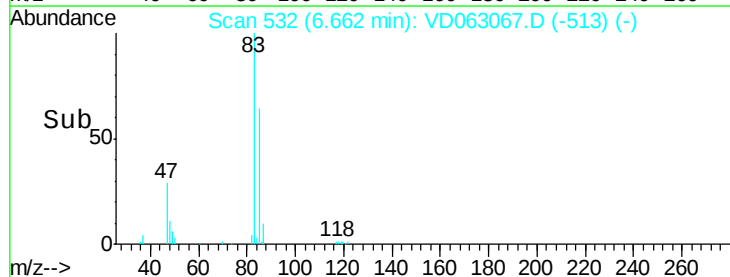
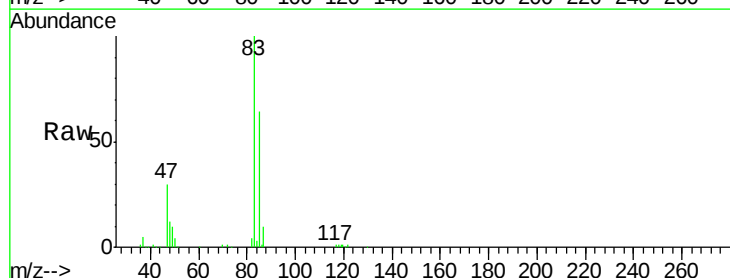
Manual Integrations
APPROVED

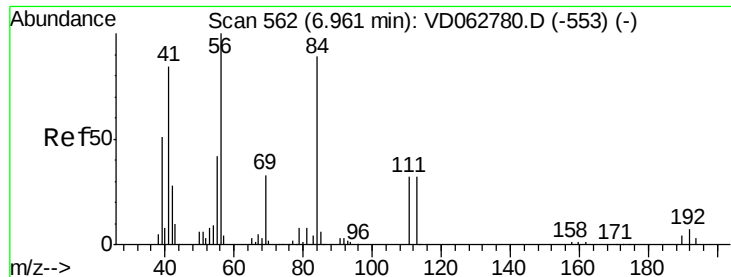
MMDadoda
7/13/2019 1:29:07 AM



#30
Chloroform
Concen: 53.209 ug/l
RT: 6.66 min Scan# 532
Delta R.T. -0.01 min
Lab File: VD063067.D
Acq: 10 Jul 2019 19:26

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	996043		
85	63.7		49.8	74.6





#31

Cvclohexane

Concen: 48.967 ug/l

RT: 6.95 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD063067.D

Acq: 10 Jul 2019 19:26

Instrument :

MSVOA_D

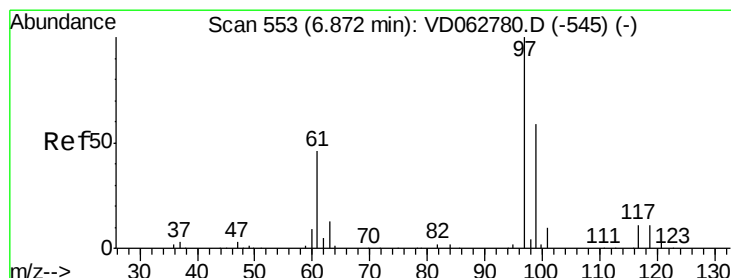
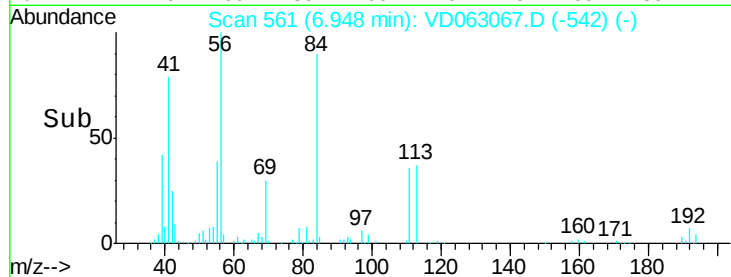
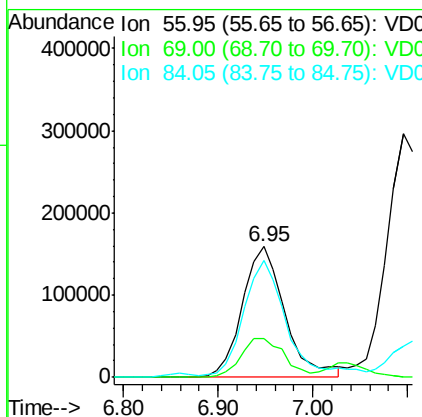
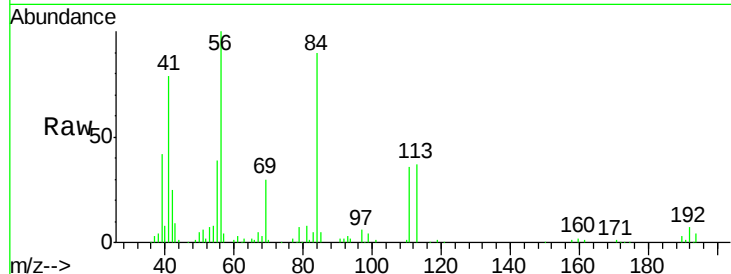
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	495495
Ion	Ratio	Lower	Upper
56	100		
69	29.5	26.6	39.8
84	89.6	75.5	113.3

Manual Integrations
APPROVED

MMDadoda
7/13/2019 1:29:07 AM



#32

1,1,1-Trichloroethane

Concen: 46.091 ug/l

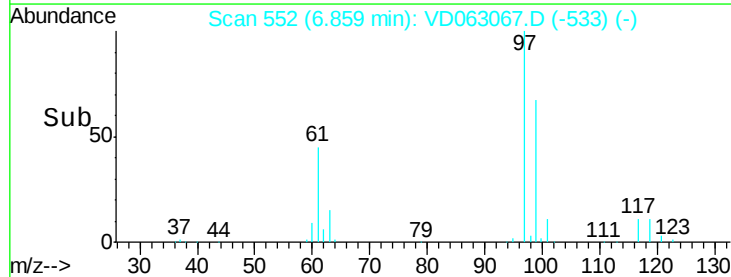
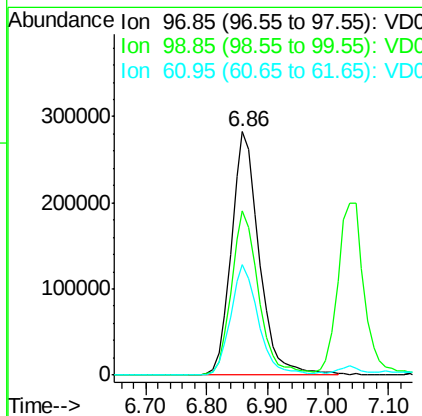
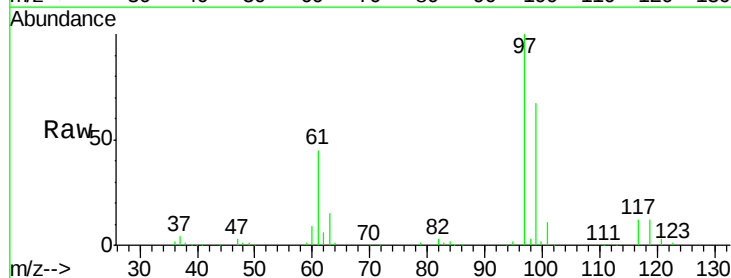
RT: 6.86 min Scan# 552

Delta R.T. -0.01 min

Lab File: VD063067.D

Acq: 10 Jul 2019 19:26

Tgt Ion:	97	Resp:	898659
Ion	Ratio	Lower	Upper
97	100		
99	67.2	47.4	71.2
61	45.5	37.2	55.8





#33

1,2-Dichloroethane-d4

Concen: 46.576 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD063067.D

Acq: 10 Jul 2019 19:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 501879

Ion Ratio Lower Upper

65 100

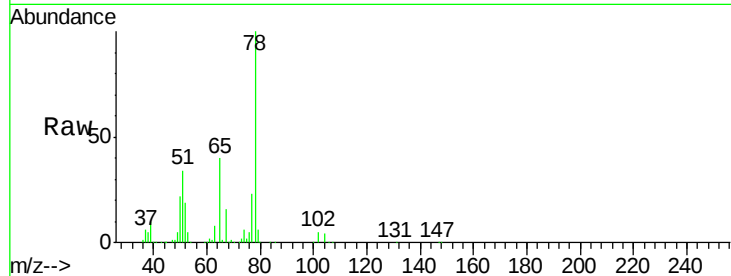
67 40.9 0.0 87.4

Manual Integrations

APPROVED

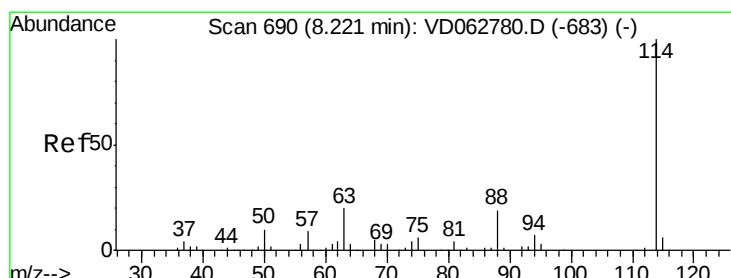
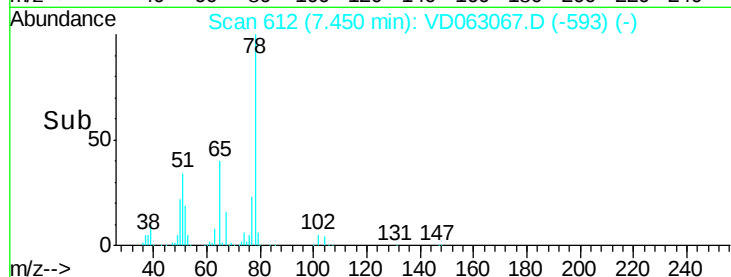
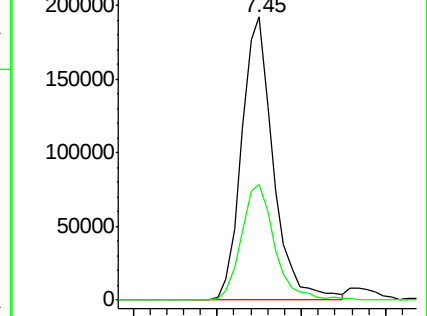
MMDadoda

7/13/2019 1:29:07 AM



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.00 min

Lab File: VD063067.D

Acq: 10 Jul 2019 19:26

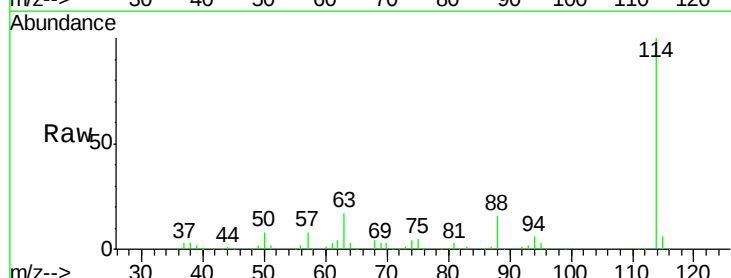
Tgt Ion: 114 Resp: 1324114

Ion Ratio Lower Upper

114 100

63 16.6 0.0 40.0

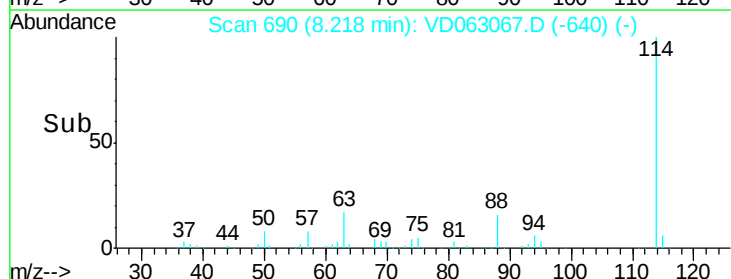
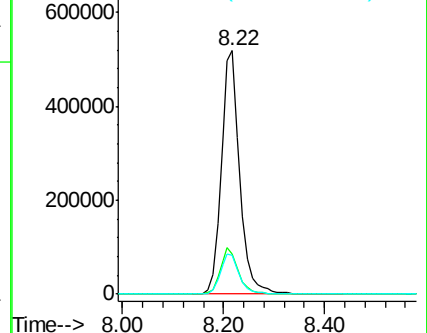
88 15.9 0.0 38.8

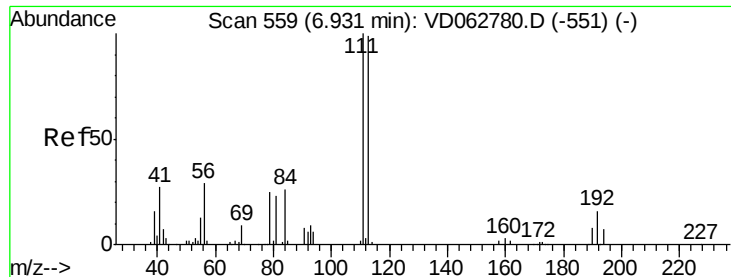


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 48.027 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD063067.D

Acq: 10 Jul 2019 19:26

Instrument :

MSVOA_D

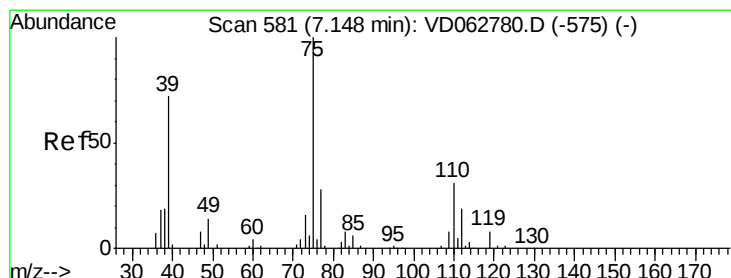
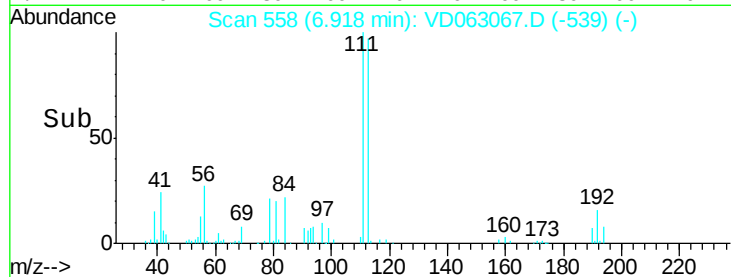
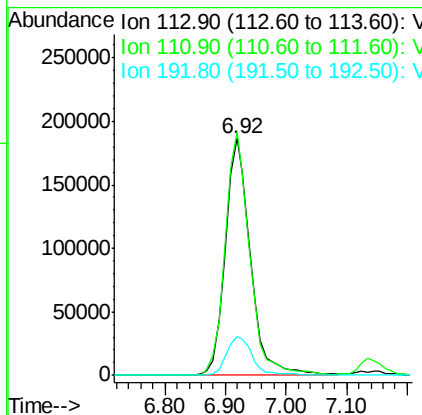
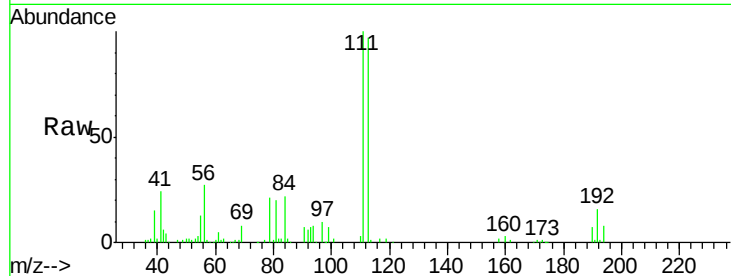
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	536213
Ion Ratio	Lower	Upper	
113	100		
111	102.8	81.2	121.8
192	16.5	12.9	19.3

Manual Integrations
APPROVED

MMDadoda
7/13/2019 1:29:07 AM



#36

1,1-Dichloropropene

Concen: 48.442 ug/l

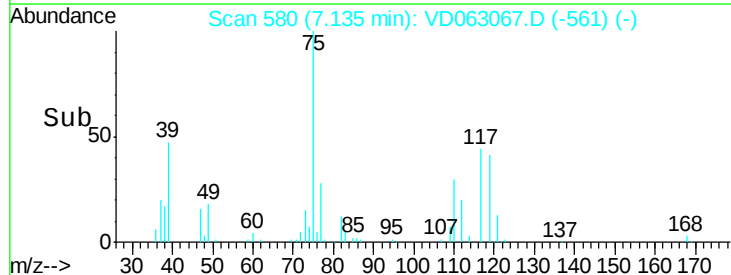
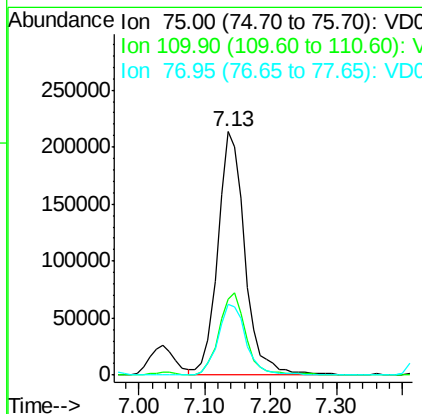
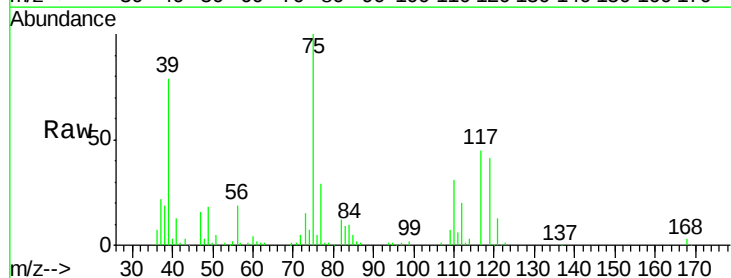
RT: 7.13 min Scan# 580

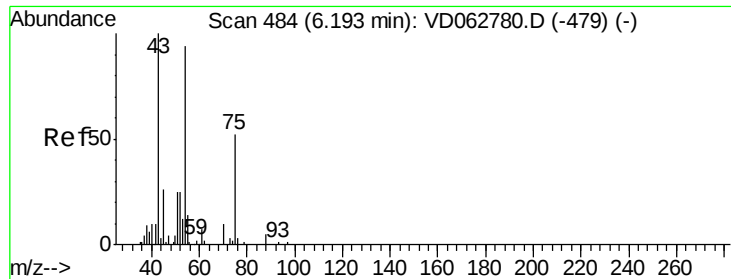
Delta R.T. -0.01 min

Lab File: VD063067.D

Acq: 10 Jul 2019 19:26

Tgt Ion:	75	Resp:	607196
Ion Ratio	Lower	Upper	
75	100		
110	31.0	15.0	45.1
77	29.3	22.2	33.2





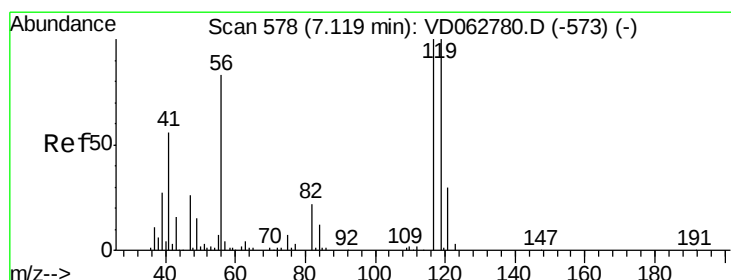
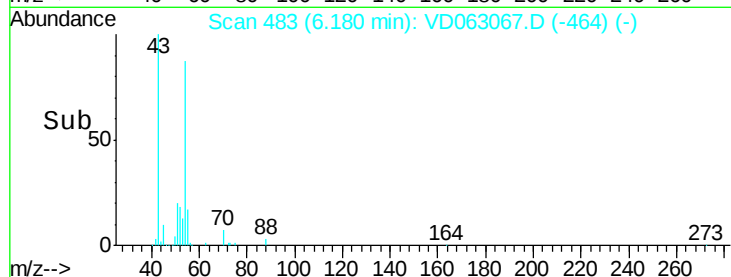
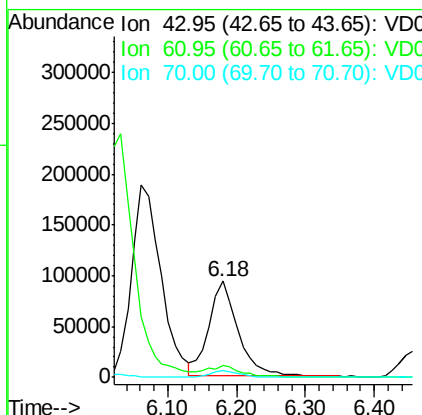
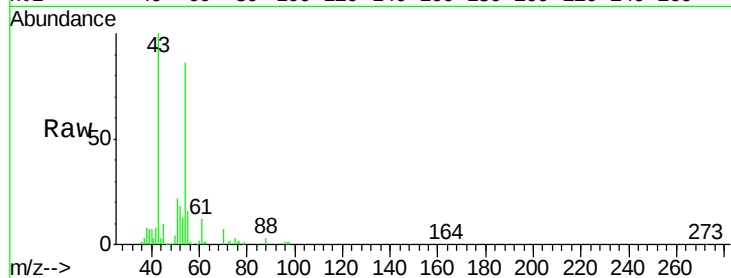
#37
Ethyl Acetate
Concen: 52.044 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.01 min
Lab File: VD063067.D
Acq: 10 Jul 2019 19:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.0	11.6	17.4
70	7.0	6.4	9.6

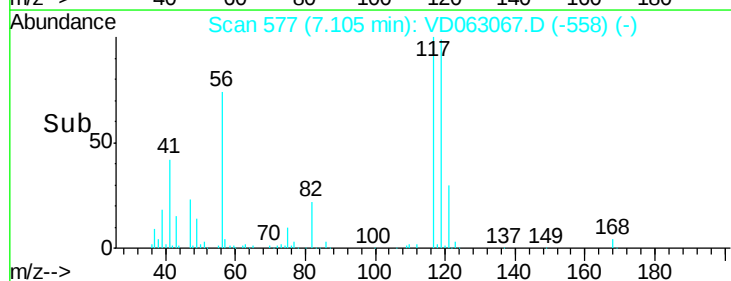
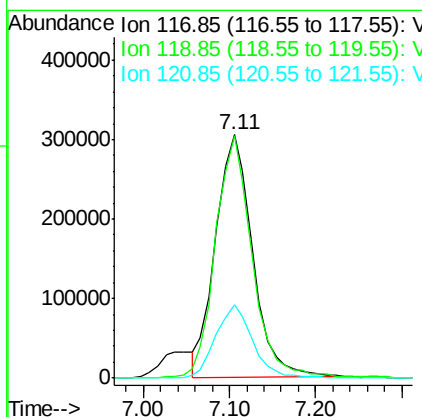
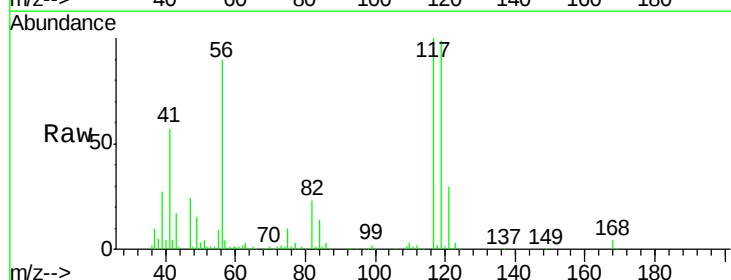
Manual Integrations
APPROVED

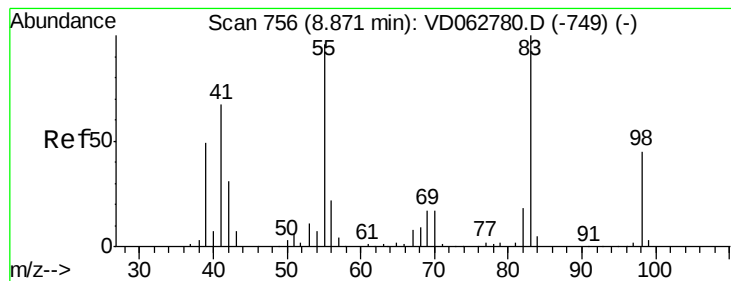
MMDadoda
7/13/2019 1:29:07 AM



#38
Carbon Tetrachloride
Concen: 48.930 ug/l m
RT: 7.11 min Scan# 577
Delta R.T. -0.01 min
Lab File: VD063067.D
Acq: 10 Jul 2019 19:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.4	75.4	113.2
121	30.0	22.3	33.5





#39

Methvlcvclohexane

Concen: 46.497 ug/l

RT: 8.86 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD063067.D

Acq: 10 Jul 2019 19:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 513017

Ion Ratio Lower Upper

83 100

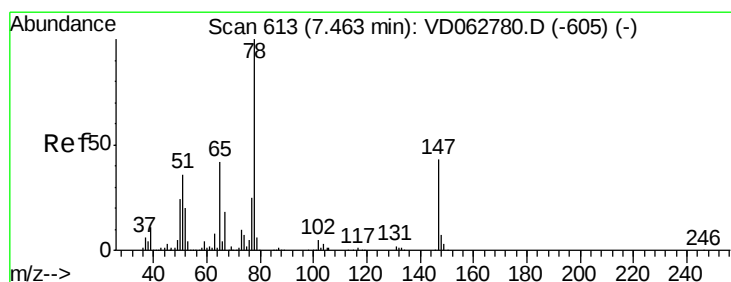
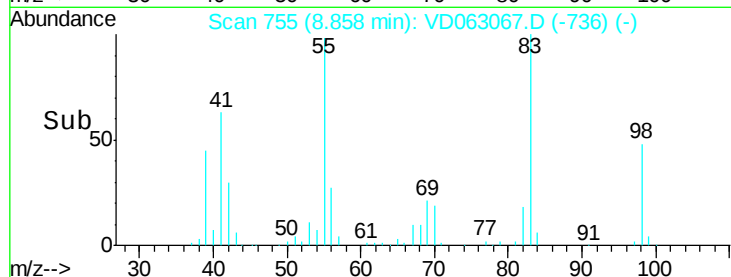
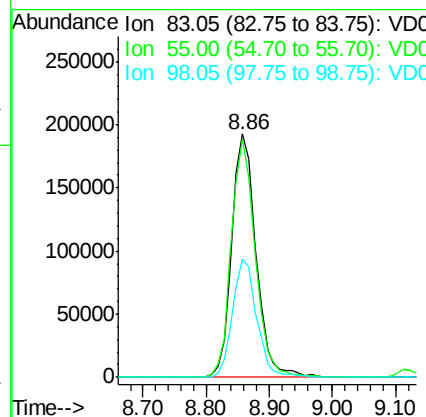
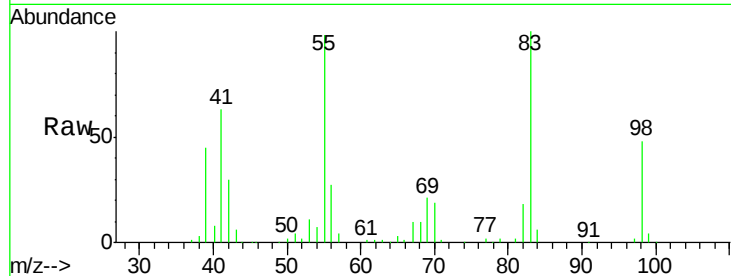
55 98.2 76.6 115.0

98 48.4 35.7 53.5

Manual Integrations
APPROVED

MMDadoda

7/13/2019 1:29:07 AM



#40

Benzene

Concen: 52.749 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD063067.D

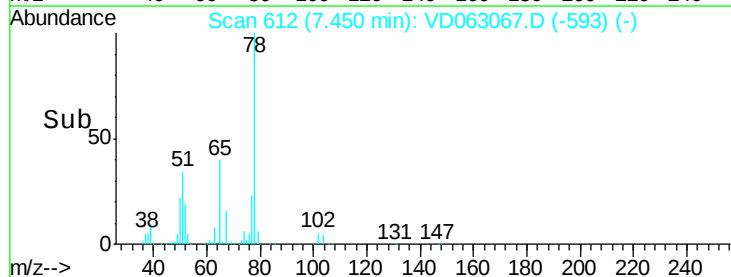
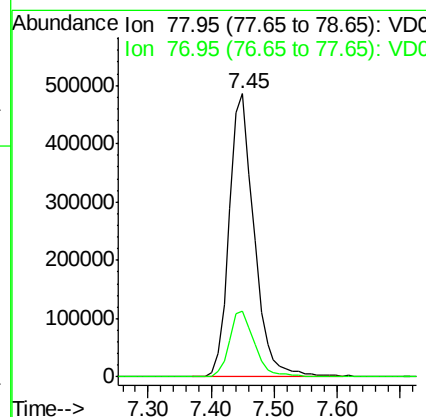
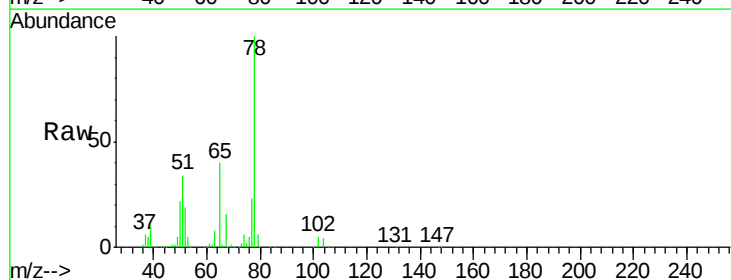
Acq: 10 Jul 2019 19:26

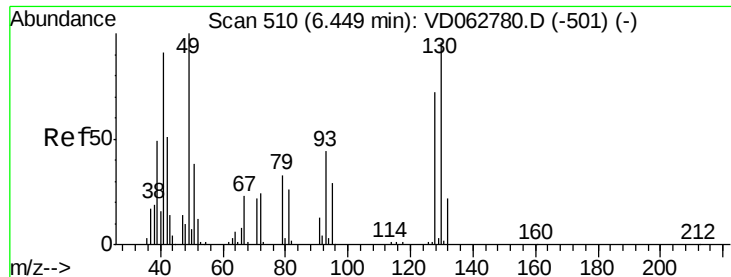
Tgt Ion: 78 Resp: 1327216

Ion Ratio Lower Upper

78 100

77 23.1 20.2 30.2





#41

Methacrylonitrile

Concen: 54.906 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.00 min

Lab File: VD063067.D

Acq: 10 Jul 2019 19:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 362942

Ion Ratio Lower Upper

41 100

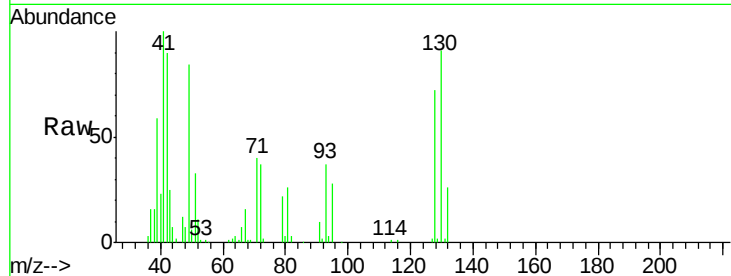
39 59.3 43.2 64.8

67 16.1 19.9 29.9#

52 11.4 10.2 15.4

Manual Integrations
APPROVED

MMDadoda
7/13/2019 1:29:07 AM

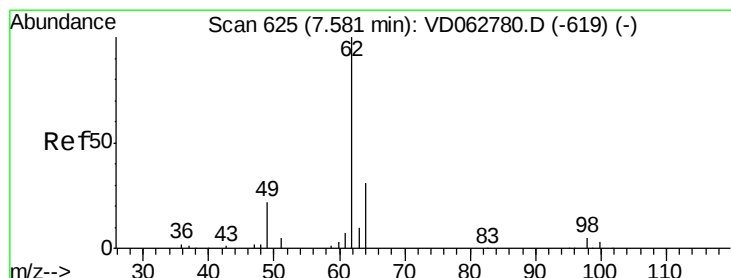
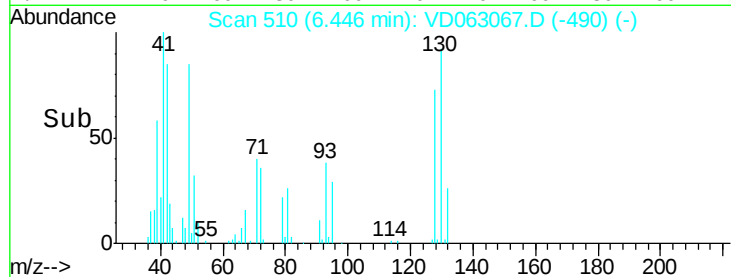
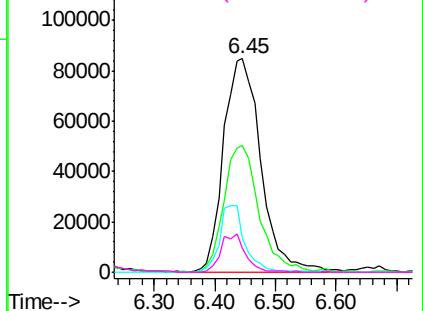


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 50.895 ug/l

RT: 7.57 min Scan# 624

Delta R.T. -0.01 min

Lab File: VD063067.D

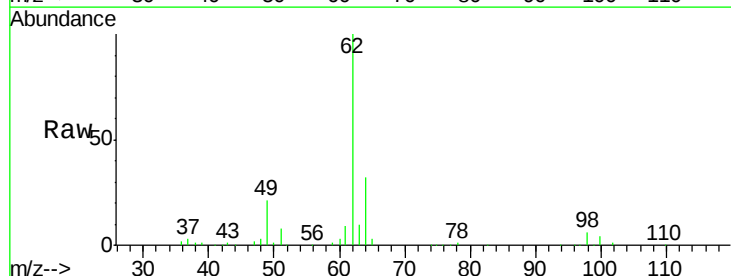
Acq: 10 Jul 2019 19:26

Tgt Ion: 62 Resp: 698573

Ion Ratio Lower Upper

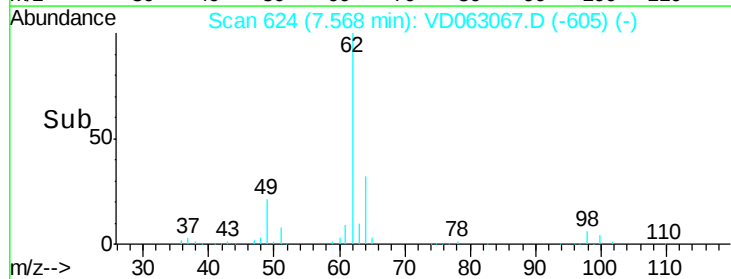
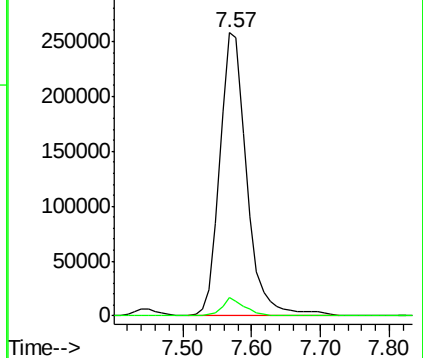
62 100

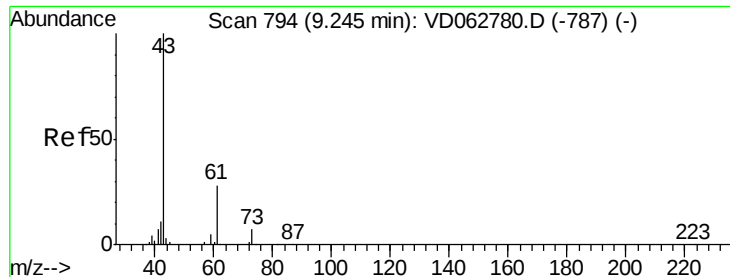
98 6.4 0.0 10.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

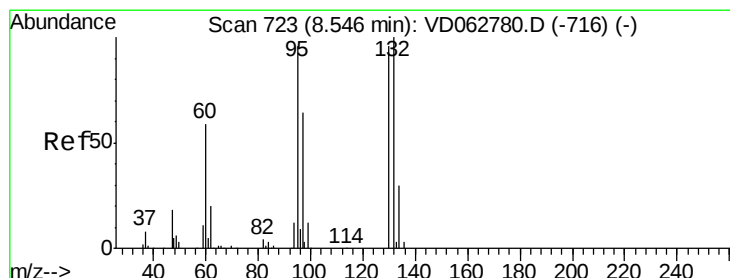
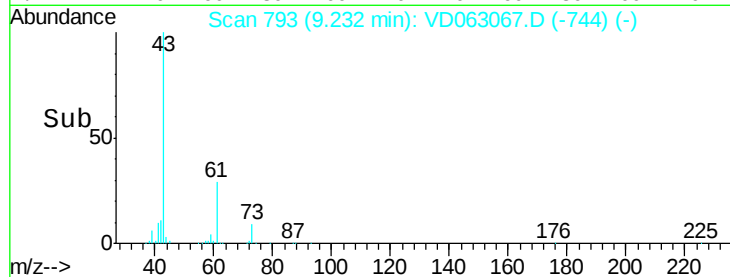
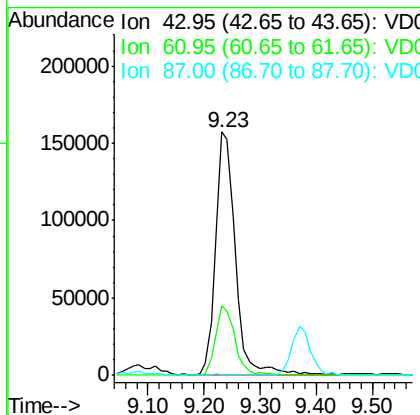
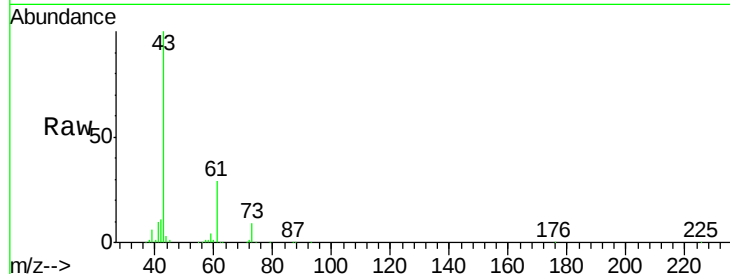
Isopropyl Acetate
 Concen: 59.938 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. -0.01 min
 Lab File: VD063067.D
 Acq: 10 Jul 2019 19:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.8	22.4	33.6
87	0.3	0.3	0.5

Manual Integrations
 APPROVED

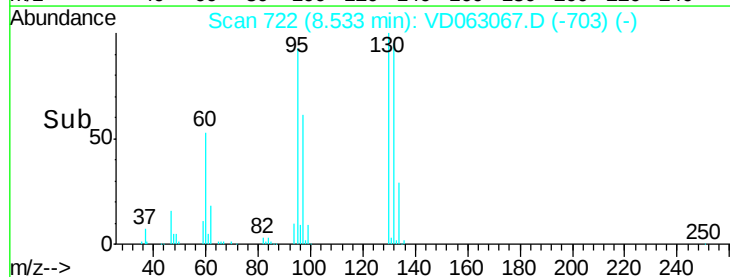
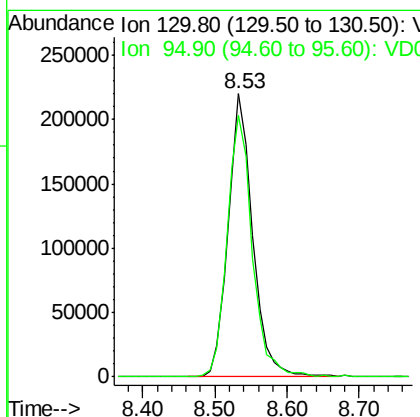
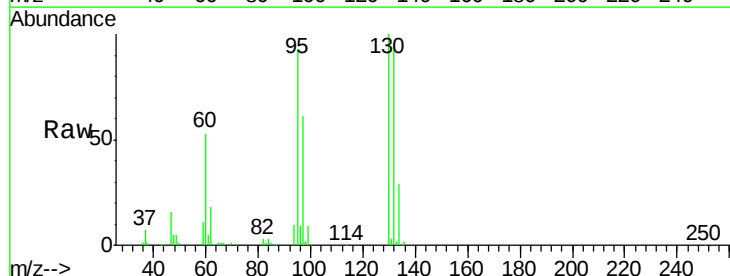
MMDadoda
 7/13/2019 1:29:07 AM

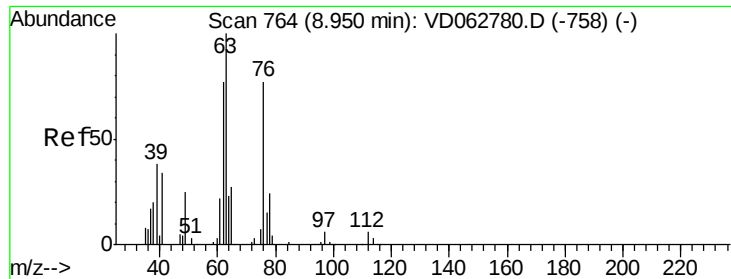


#44

Trichloroethene
 Concen: 52.871 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. -0.01 min
 Lab File: VD063067.D
 Acq: 10 Jul 2019 19:26

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.6	0.0	201.6





#45

1,2-Dichloropropane

Concen: 51.527 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD063067.D

Acq: 10 Jul 2019 19:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 322375

Ion Ratio Lower Upper

63 100

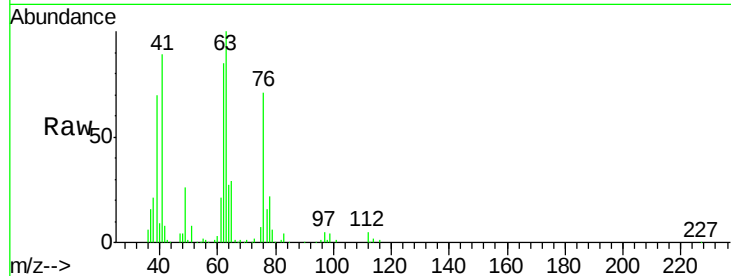
65 28.6 24.2 36.2

Manual Integrations

APPROVED

MMDadoda

7/13/2019 1:29:07 AM



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.94

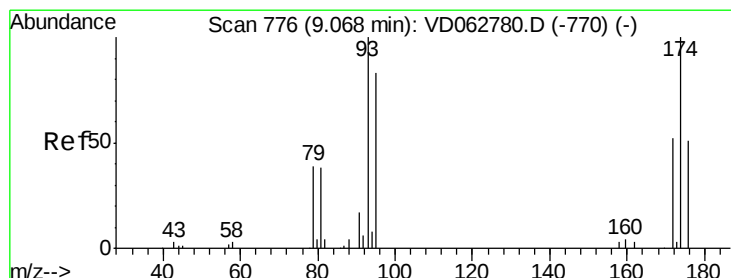
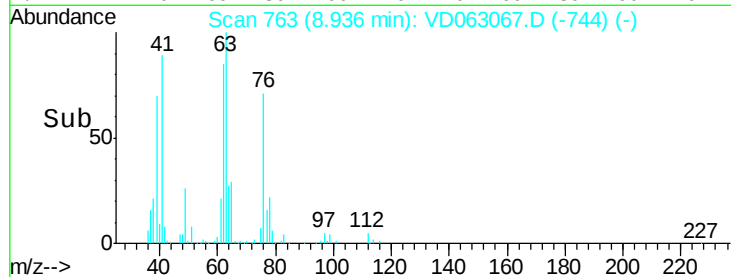
150000

100000

50000

0

Time--> 8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 50.740 ug/l

RT: 9.06 min Scan# 776

Delta R.T. -0.00 min

Lab File: VD063067.D

Acq: 10 Jul 2019 19:26

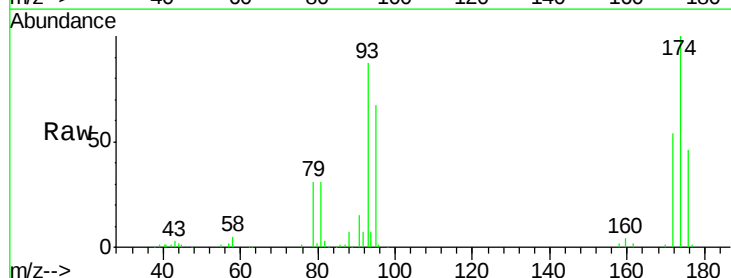
Tgt Ion: 93 Resp: 272693

Ion Ratio Lower Upper

93 100

95 76.6 66.6 100.0

174 114.3 79.7 119.5



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

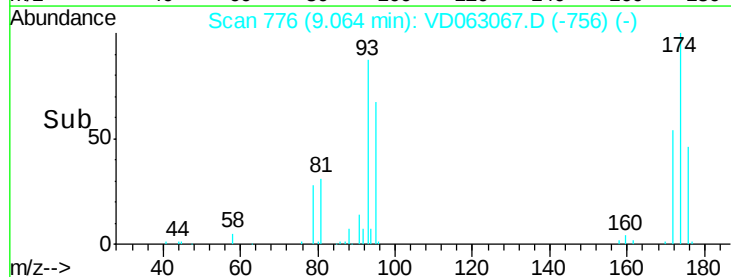
150000

100000

50000

0

Time--> 9.00 9.10





#47

Bromodichloromethane

Concen: 51.386 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.01 min

Lab File: VD063067.D

Acq: 10 Jul 2019 19:26

Instrument :

MSVOA_D

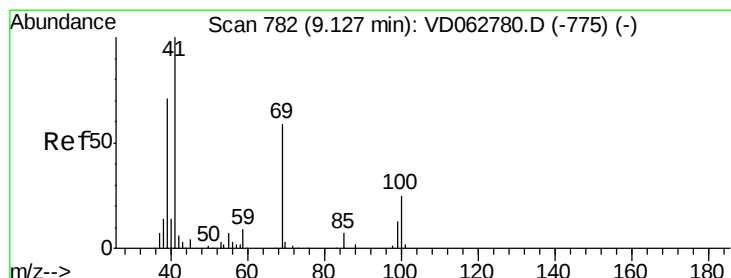
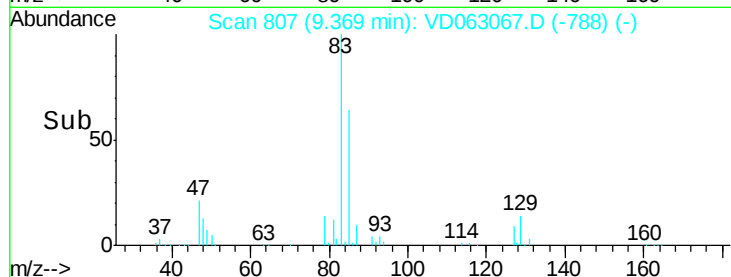
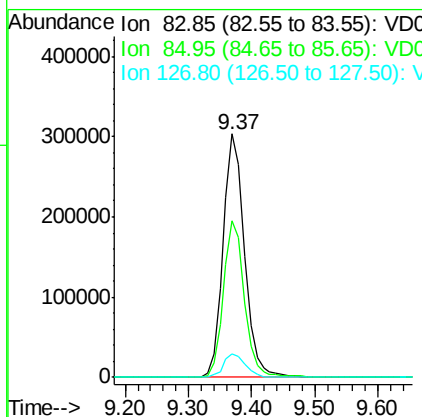
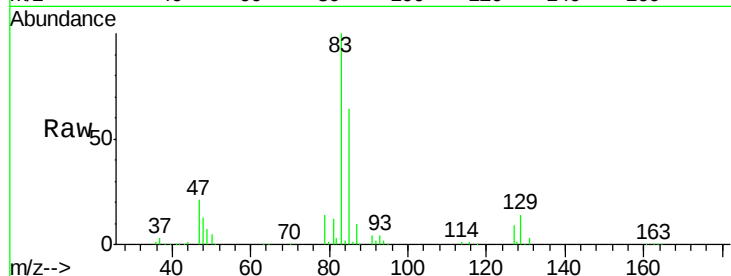
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	717233
Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.6	77.4
127	9.4	7.8	11.6

Manual Integrations
APPROVED

MMDadoda
7/13/2019 1:29:07 AM



#48

Methyl methacrylate

Concen: 52.853 ug/l

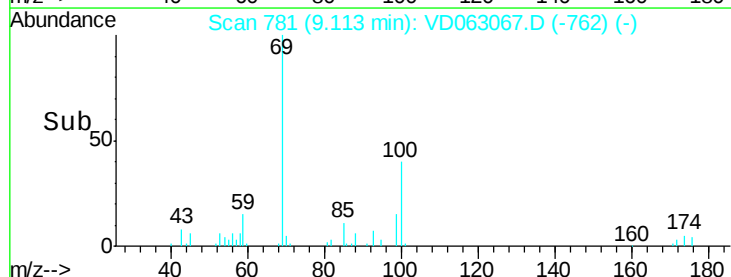
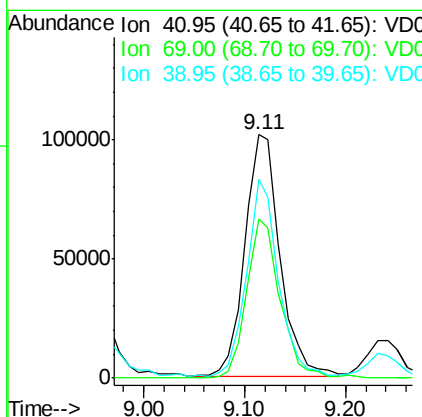
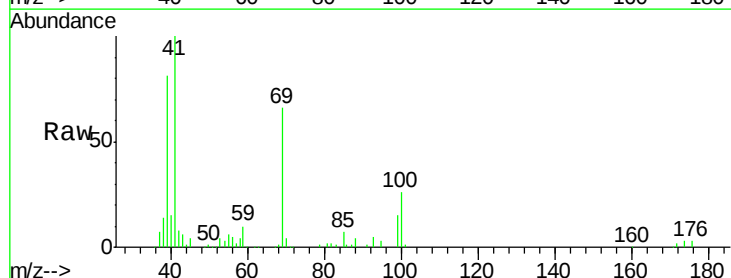
RT: 9.11 min Scan# 781

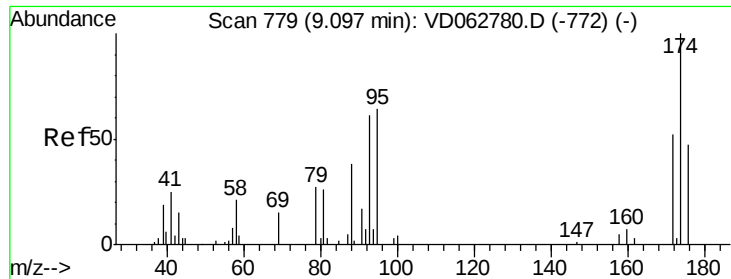
Delta R.T. -0.01 min

Lab File: VD063067.D

Acq: 10 Jul 2019 19:26

Tgt Ion:	41	Resp:	246818
Ion	Ratio	Lower	Upper
41	100		
69	65.5	47.2	70.8
39	81.5	57.4	86.2





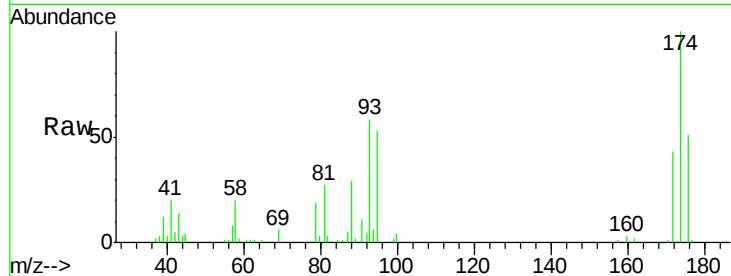
#49
1,4-Dioxane
Concen: 1060.052 ug/l
RT: 9.08 min Scan# 778
Delta R.T. -0.01 min
Lab File: VD063067.D
Acq: 10 Jul 2019 19:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

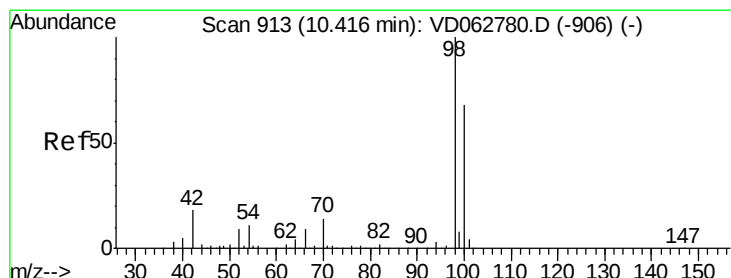
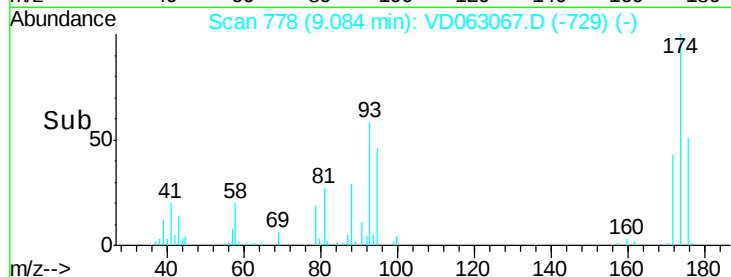
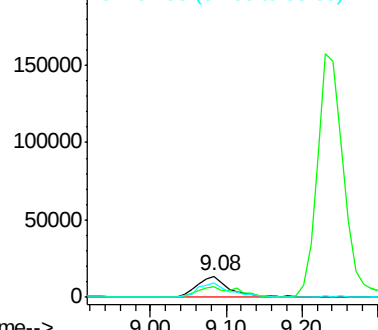
Tot Ion	88	Resp	41185
Ion	Ratio	Lower	Upper
88	100		
43	48.6	32.1	48.1#
58	69.4	44.1	66.1#

Manual Integrations
APPROVED

MMDadoda
7/13/2019 1:29:07 AM

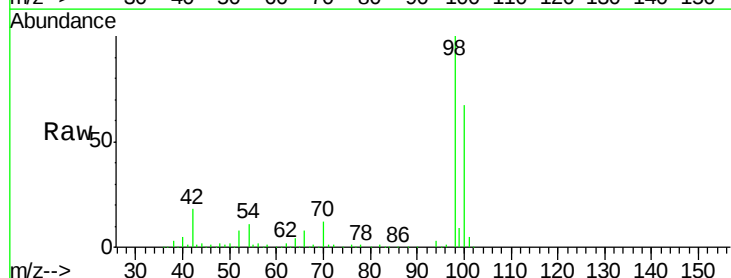


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

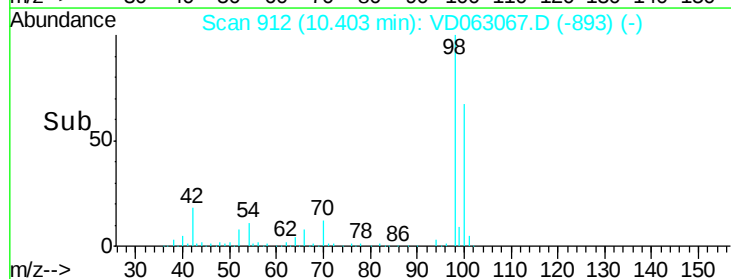
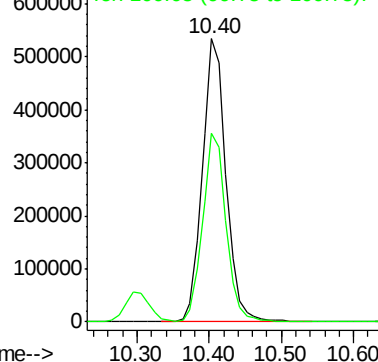


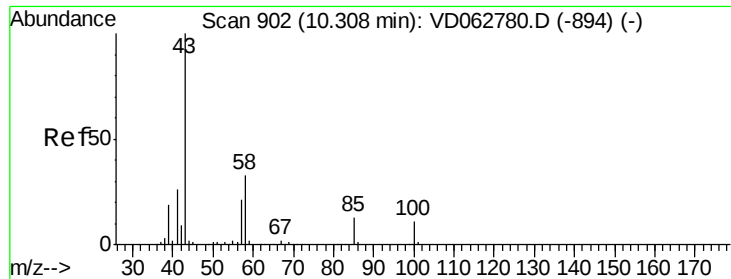
#50
Toluene-d8
Concen: 49.981 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD063067.D
Acq: 10 Jul 2019 19:26

Tgt Ion	98	Resp	1214541
Ion	Ratio	Lower	Upper
98	100		
100	66.7	54.7	82.1



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





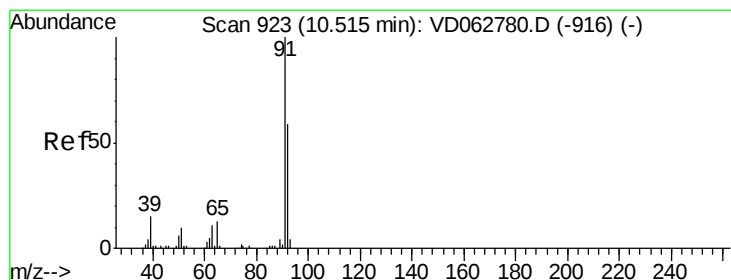
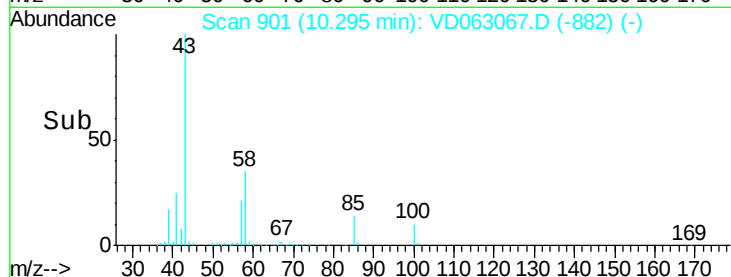
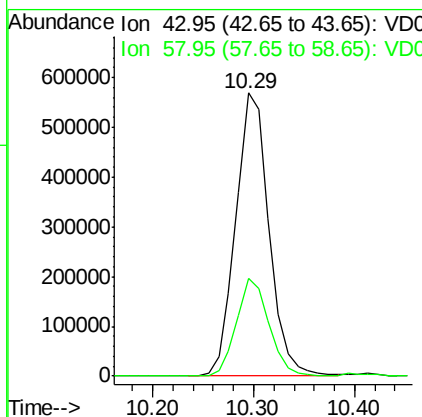
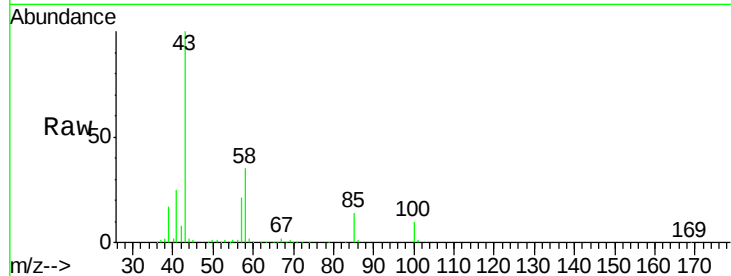
#51
4-Methyl-2-Pentanone
Concen: 280.508 ug/l
RT: 10.29 min Scan# 901
Delta R.T. -0.01 min
Lab File: VD063067.D
Acq: 10 Jul 2019 19:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1306927
Ion Ratio Lower Upper
43 100
58 34.7 26.6 40.0

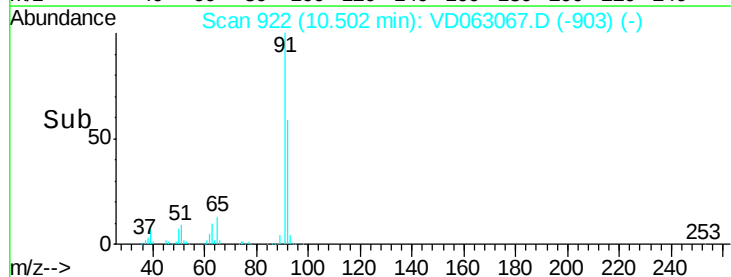
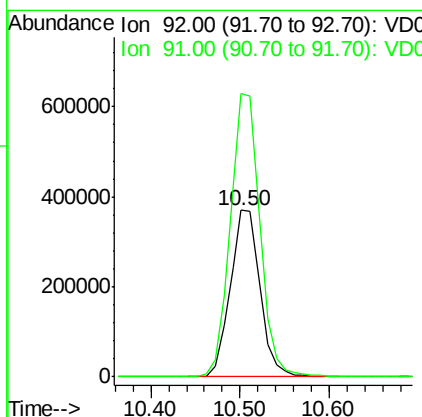
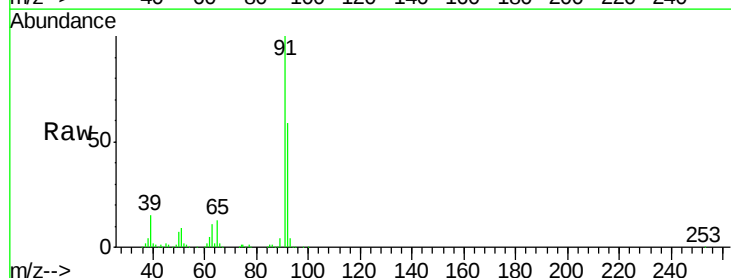
Manual Integrations
APPROVED

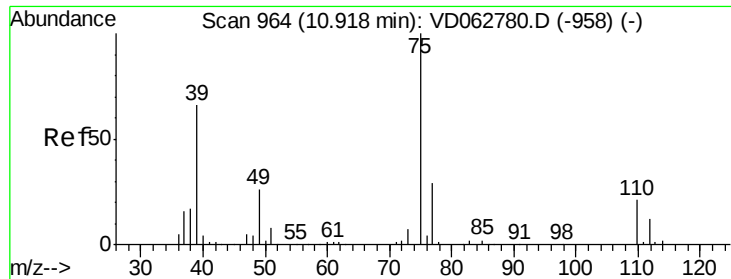
MMDadoda
7/13/2019 1:29:07 AM



#52
Toluene
Concen: 51.201 ug/l
RT: 10.50 min Scan# 922
Delta R.T. -0.01 min
Lab File: VD063067.D
Acq: 10 Jul 2019 19:26

Tgt Ion: 92 Resp: 865971
Ion Ratio Lower Upper
92 100
91 170.0 136.3 204.5





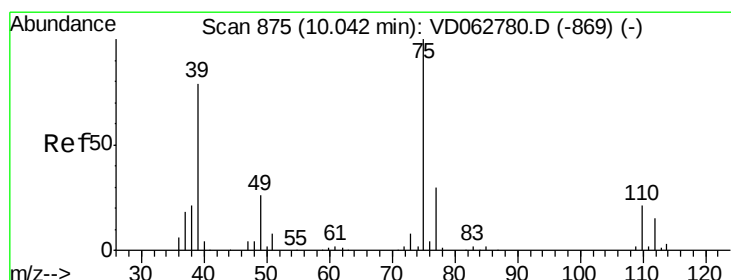
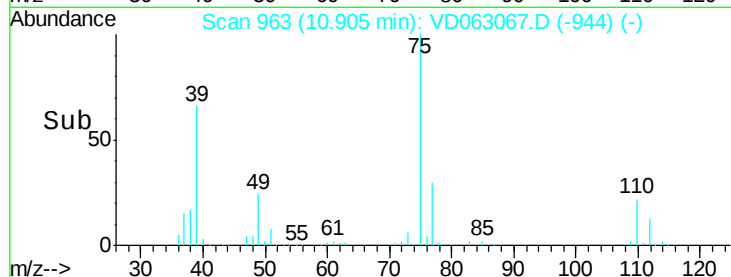
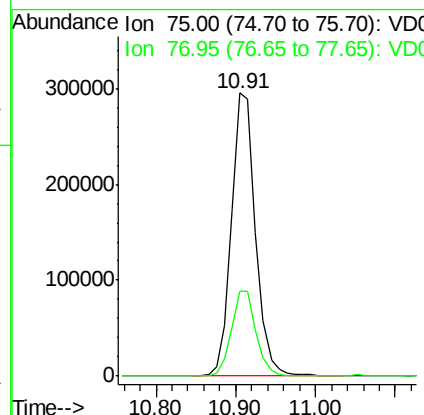
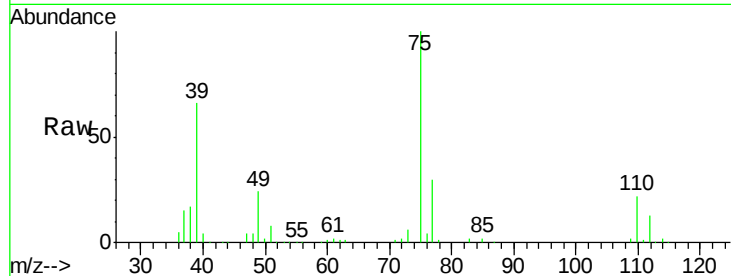
#53
t-1,3-Dichloropropene
Concen: 55.034 ug/l
RT: 10.91 min Scan# 963
Delta R.T. -0.01 min
Lab File: VD063067.D
Acq: 10 Jul 2019 19:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 628722
Ion Ratio Lower Upper
75 100
77 30.1 23.2 34.8

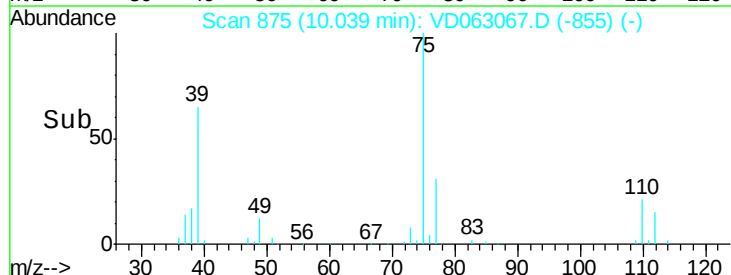
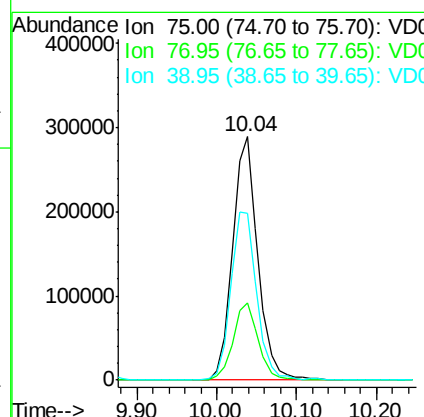
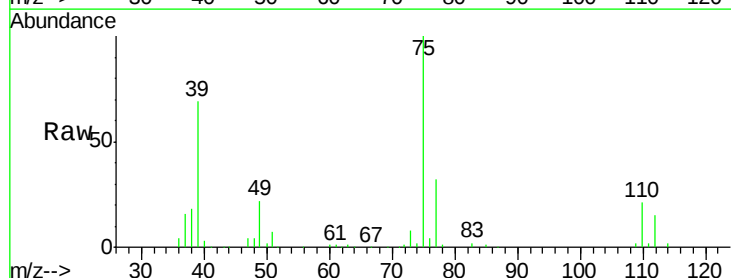
Manual Integrations
APPROVED

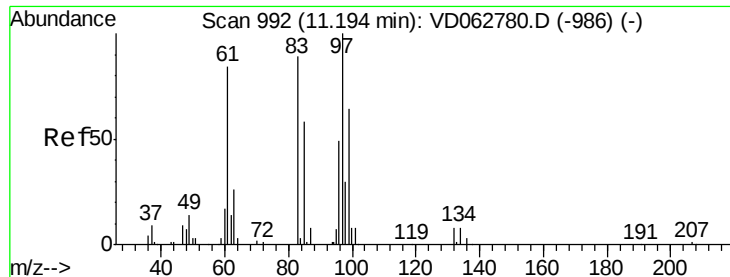
MMDadoda
7/13/2019 1:29:07 AM



#54
cis-1,3-Dichloropropene
Concen: 51.677 ug/l
RT: 10.04 min Scan# 875
Delta R.T. -0.00 min
Lab File: VD063067.D
Acq: 10 Jul 2019 19:26

Tgt Ion: 75 Resp: 641684
Ion Ratio Lower Upper
75 100
77 31.5 24.2 36.2
39 68.5 63.5 95.3





#55

1,1,2-Trichloroethane

Concen: 51.681 ug/l

RT: 11.19 min Scan# 992

Delta R.T. -0.00 min

Lab File: VD063067.D

Acq: 10 Jul 2019 19:26

Instrument :

MSVOA_D

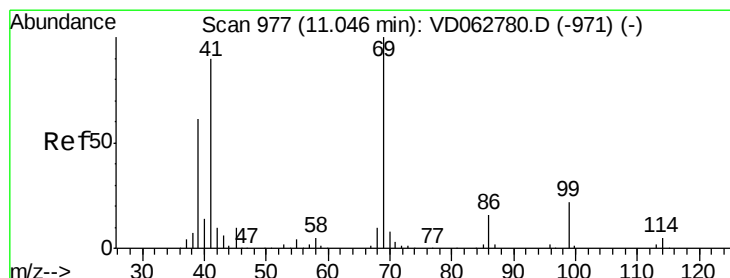
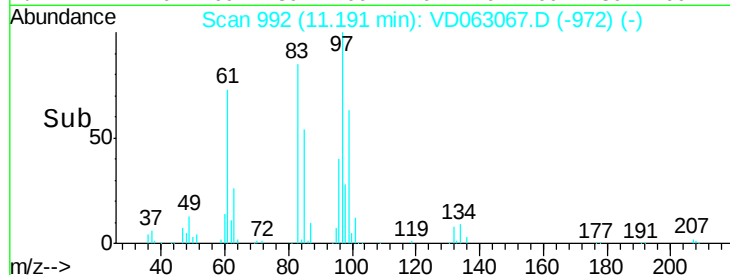
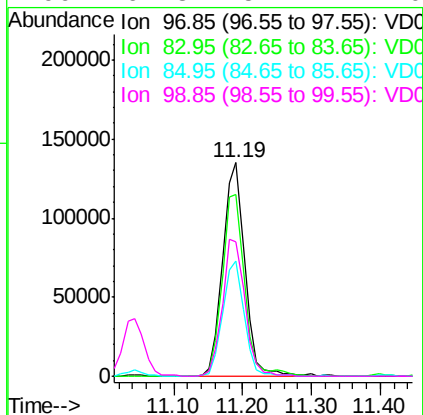
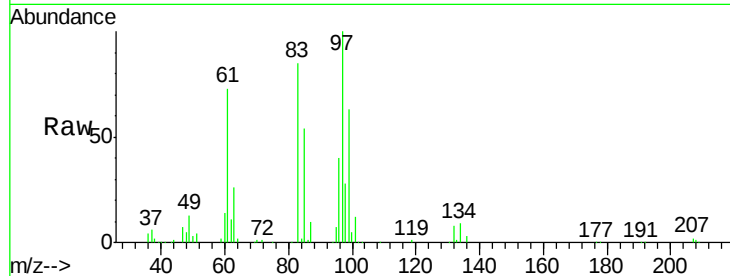
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	300303
Ion	Ratio	Lower	Upper
97	100		
83	85.0	71.0	106.4
85	54.2	46.6	69.8
99	62.8	51.4	77.0

Manual Integrations
APPROVED

MMDadoda
7/13/2019 1:29:07 AM



#56

Ethyl methacrylate

Concen: 55.564 ug/l

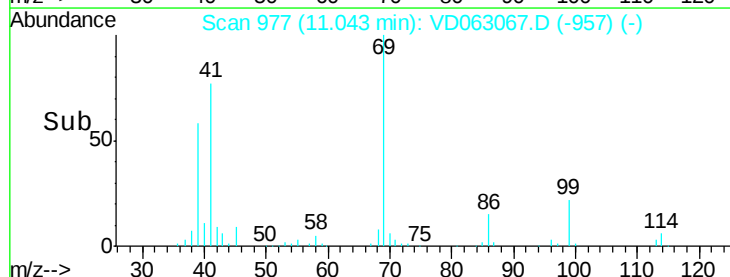
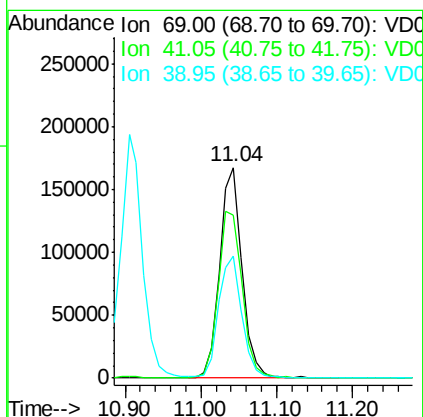
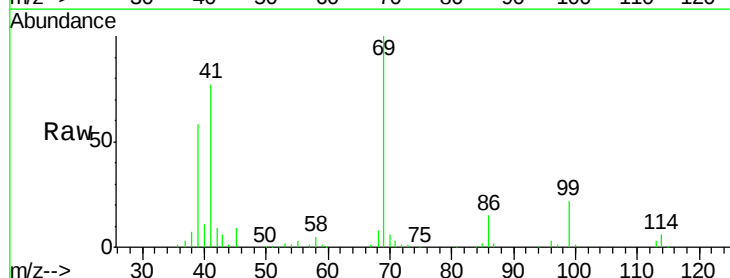
RT: 11.04 min Scan# 977

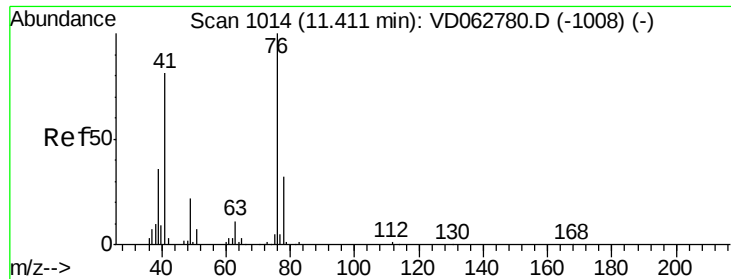
Delta R.T. -0.00 min

Lab File: VD063067.D

Acq: 10 Jul 2019 19:26

Tgt Ion:	69	Resp:	345041
Ion	Ratio	Lower	Upper
69	100		
41	77.2	72.0	108.0
39	57.7	49.5	74.3





#57

1,3-Dichloropropane

Concen: 54.620 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VD063067.D

Acq: 10 Jul 2019 19:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 485960

Ion Ratio Lower Upper

76 100

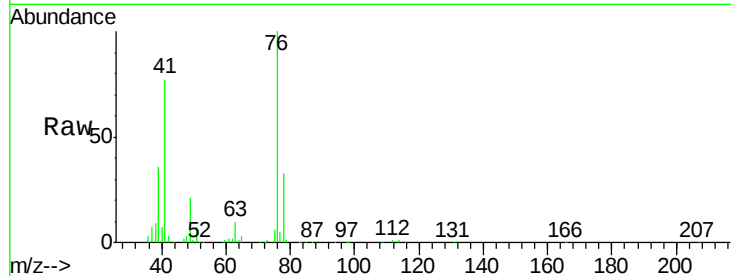
78 32.7 25.4 38.0

Manual Integrations

APPROVED

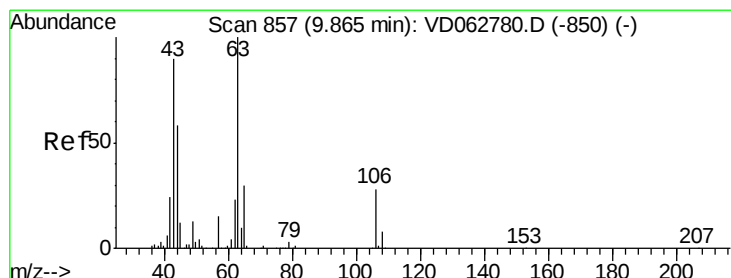
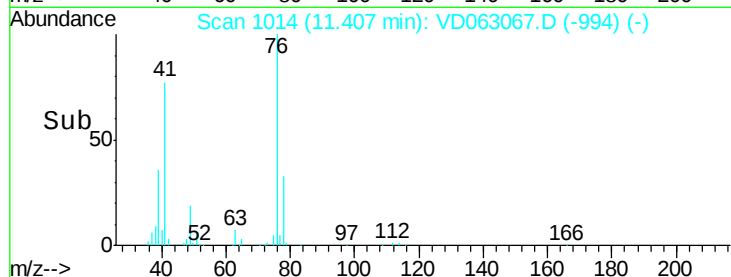
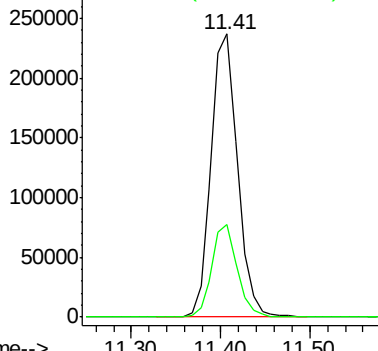
MMDadoda

7/13/2019 1:29:07 AM



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 295.262 ug/l

RT: 9.85 min Scan# 856

Delta R.T. -0.01 min

Lab File: VD063067.D

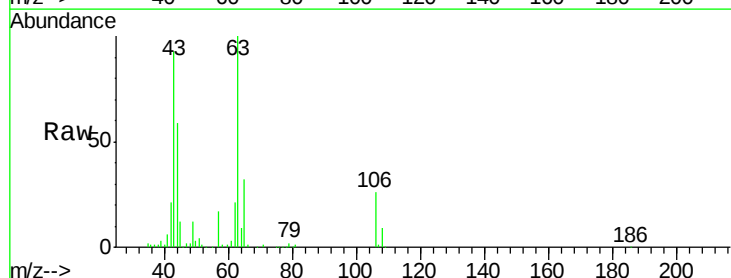
Acq: 10 Jul 2019 19:26

Tgt Ion: 63 Resp: 941307

Ion Ratio Lower Upper

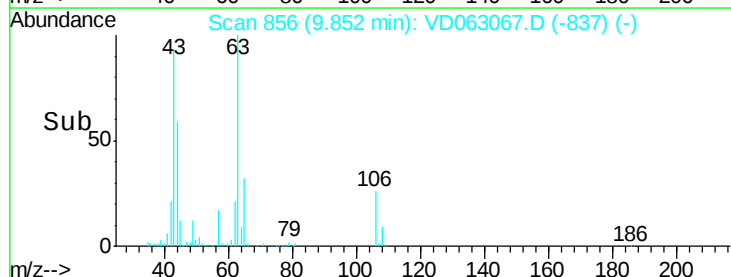
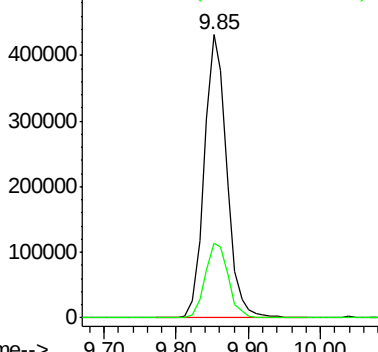
63 100

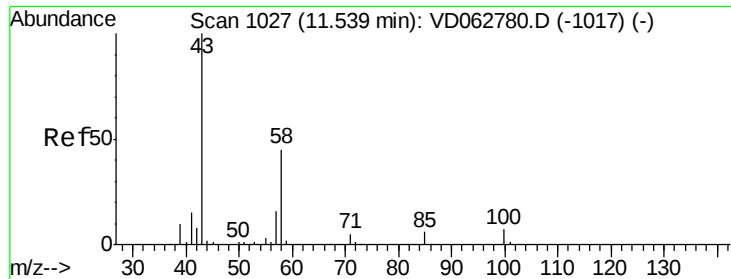
106 26.3 22.1 33.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





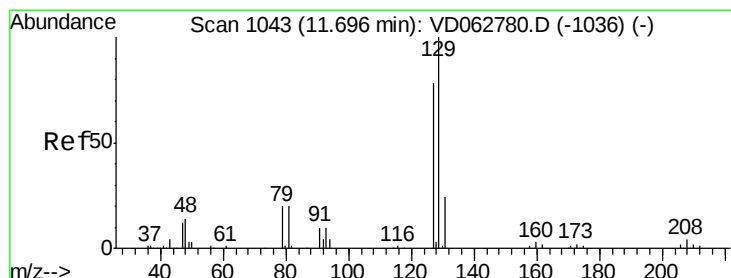
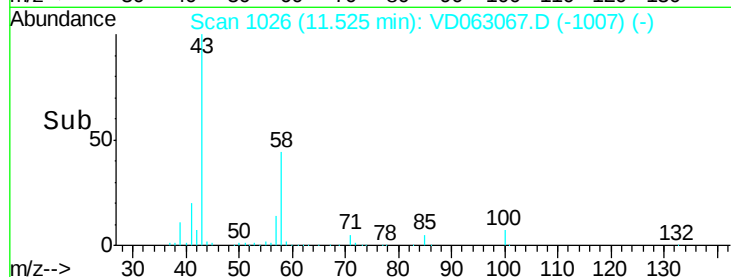
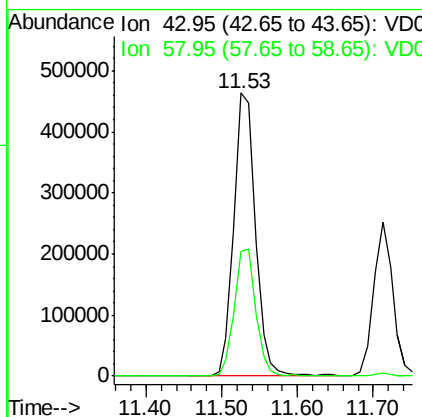
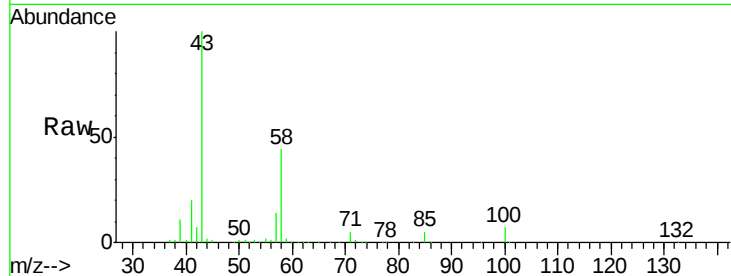
#59
2-Hexanone
Concen: 275.481 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD063067.D
Acq: 10 Jul 2019 19:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 914096
Ion Ratio Lower Upper
43 100
58 44.2 22.4 67.2

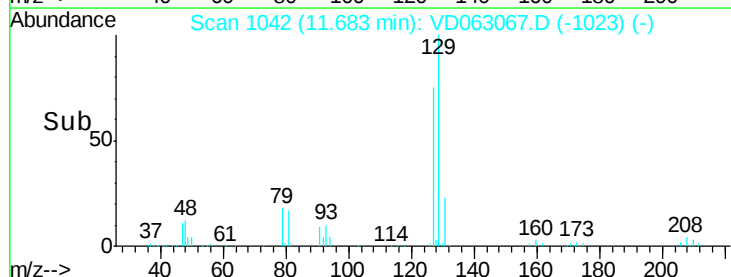
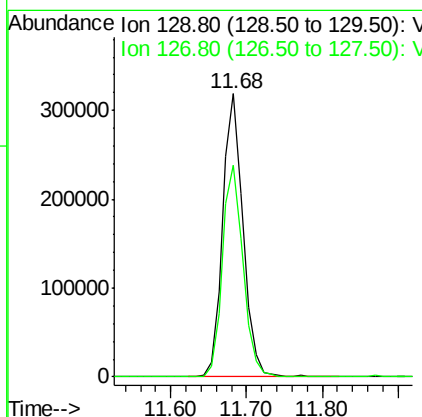
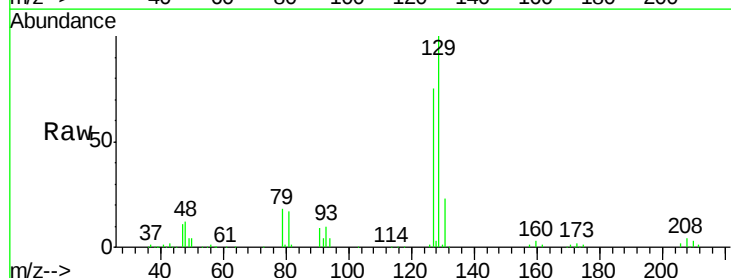
Manual Integrations
APPROVED

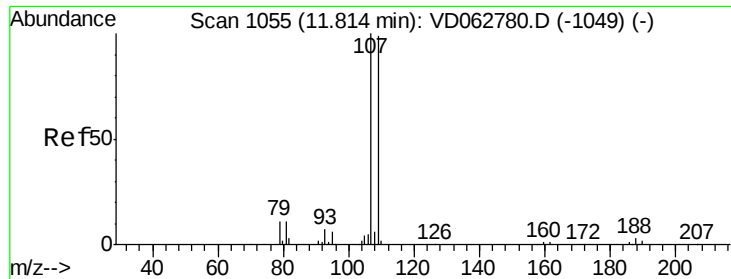
MMDadoda
7/13/2019 1:29:07 AM



#60
Dibromochloromethane
Concen: 54.920 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD063067.D
Acq: 10 Jul 2019 19:26

Tgt Ion: 129 Resp: 594415
Ion Ratio Lower Upper
129 100
127 74.9 38.9 116.6





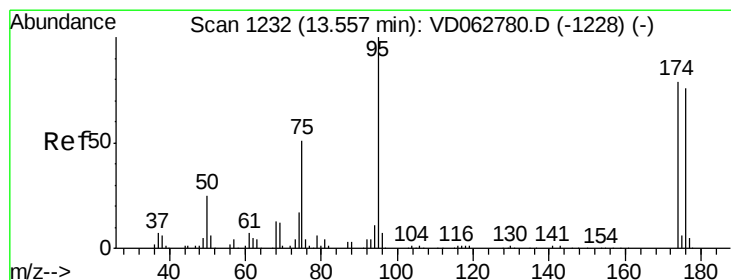
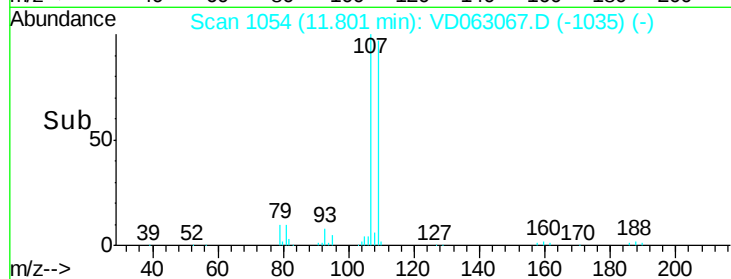
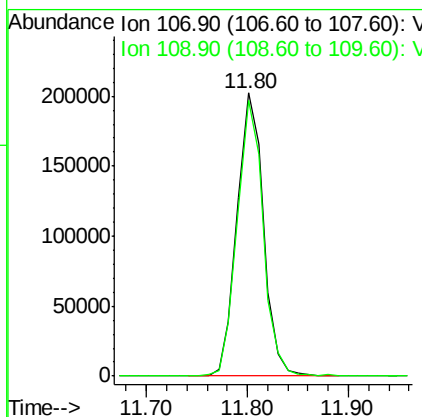
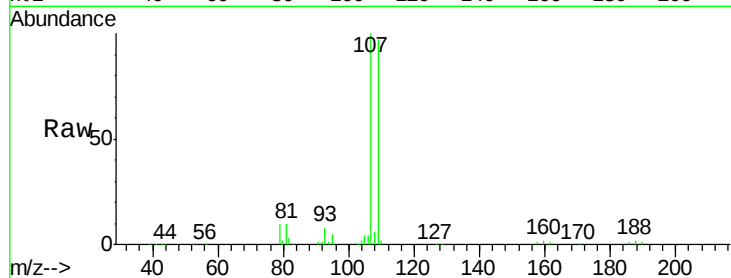
#61
 1,2-Dibromoethane
 Concen: 53.730 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VD063067.D
 Acq: 10 Jul 2019 19:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.2	79.3	118.9

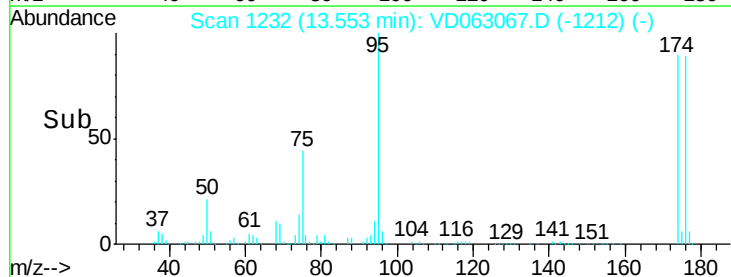
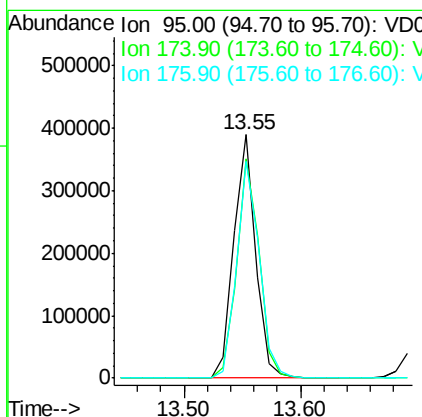
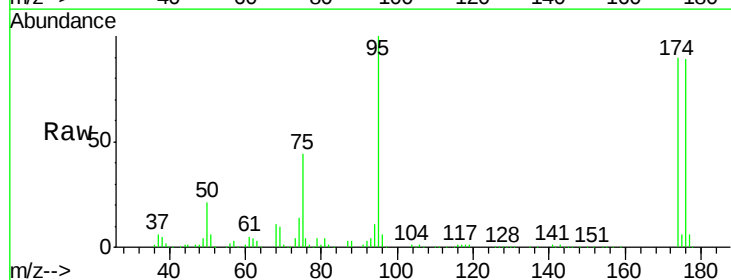
Manual Integrations
 APPROVED

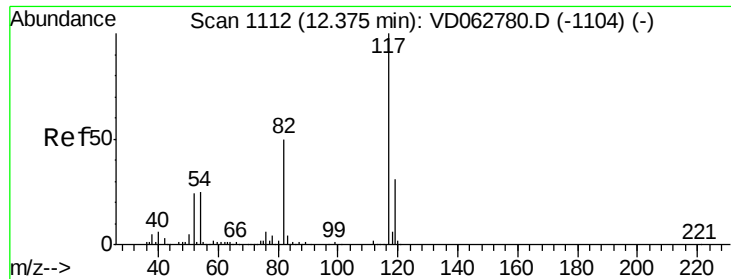
MMDadoda
 7/13/2019 1:29:07 AM



#62
 4-Bromofluorobenzene
 Concen: 45.784 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD063067.D
 Acq: 10 Jul 2019 19:26

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.1	0.0	158.0
176	88.8	0.0	151.6





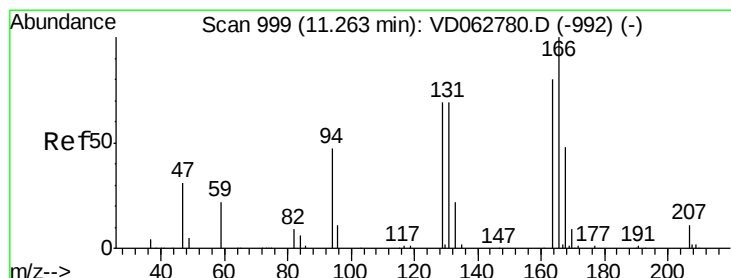
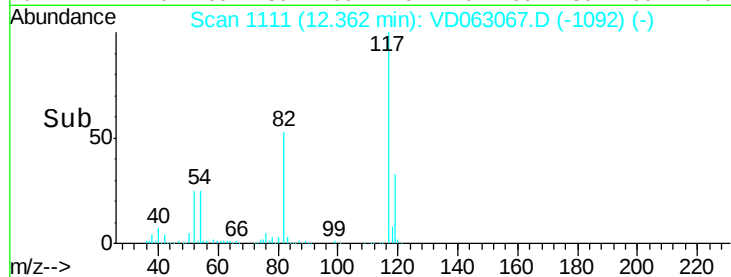
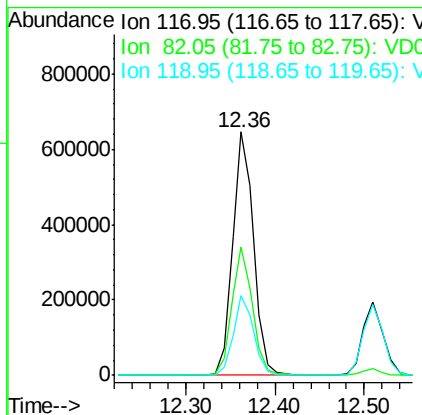
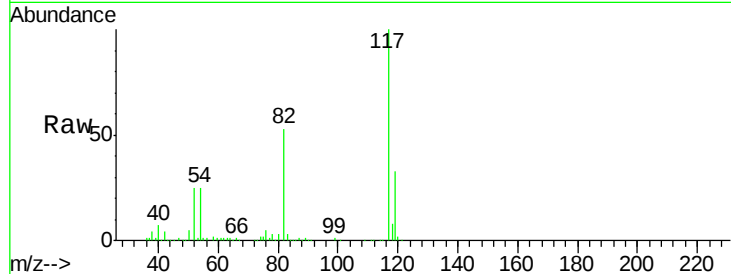
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063067.D
Acq: 10 Jul 2019 19:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 1069221
Ion Ratio Lower Upper
117 100
82 52.9 40.4 60.6
119 32.8 25.2 37.8

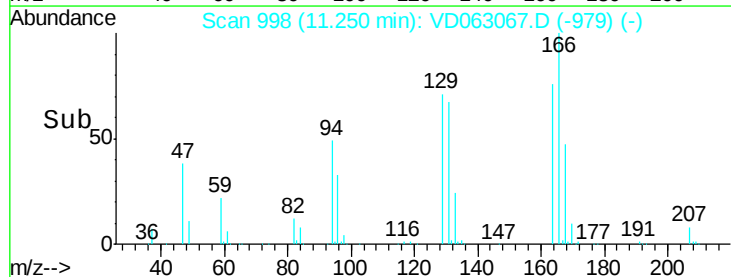
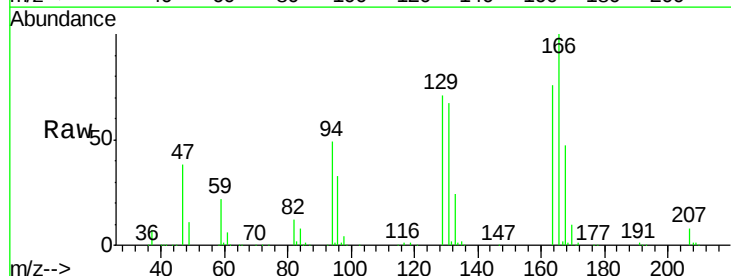
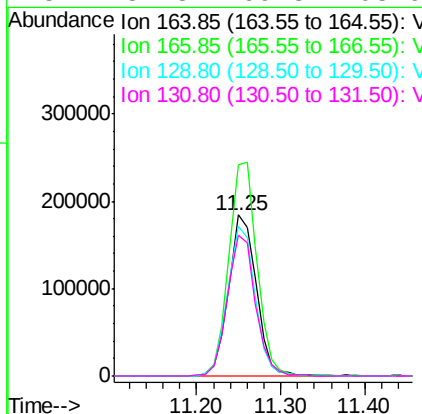
Manual Integrations
APPROVED

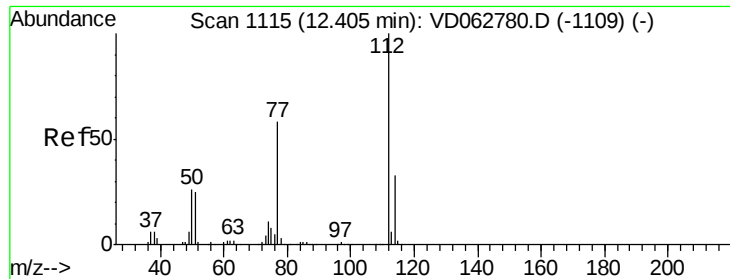
MMDadoda
7/13/2019 1:29:07 AM



#64
Tetrachloroethene
Concen: 47.830 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.01 min
Lab File: VD063067.D
Acq: 10 Jul 2019 19:26

Tgt Ion:164 Resp: 420898
Ion Ratio Lower Upper
164 100
166 131.4 100.6 150.8
129 93.0 69.4 104.0
131 87.8 69.3 103.9





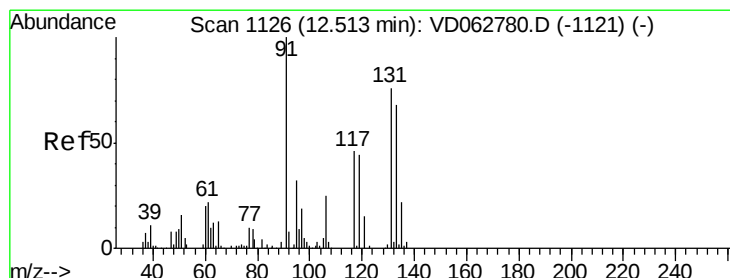
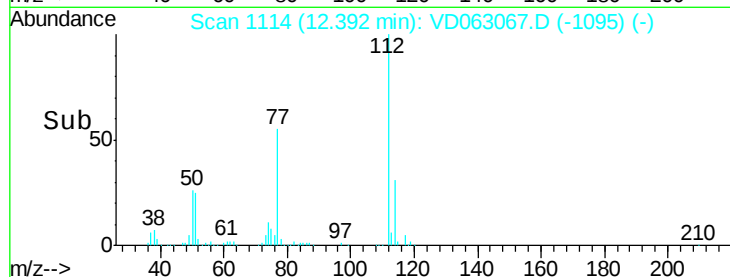
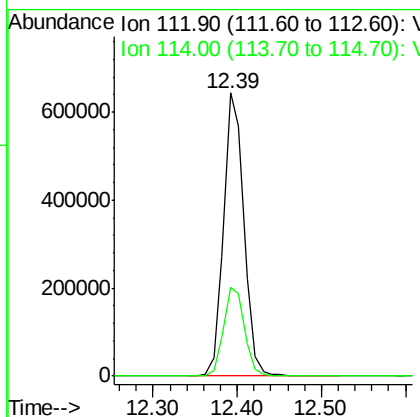
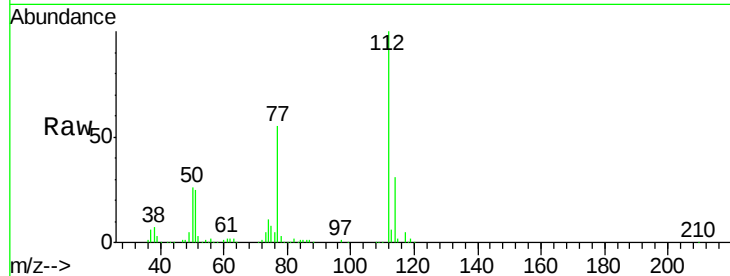
#65
Chlorobenzene
Concen: 54.203 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD063067.D
Acq: 10 Jul 2019 19:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 1075577
Ion Ratio Lower Upper
112 100
114 31.3 26.3 39.5

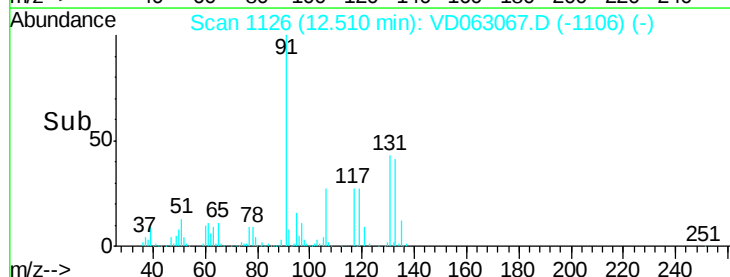
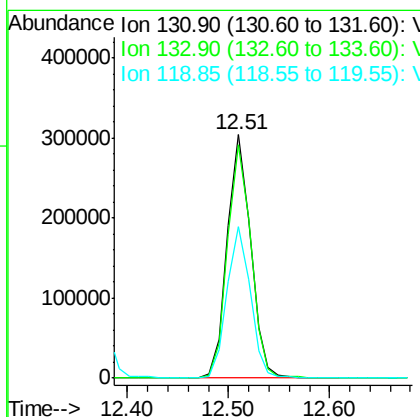
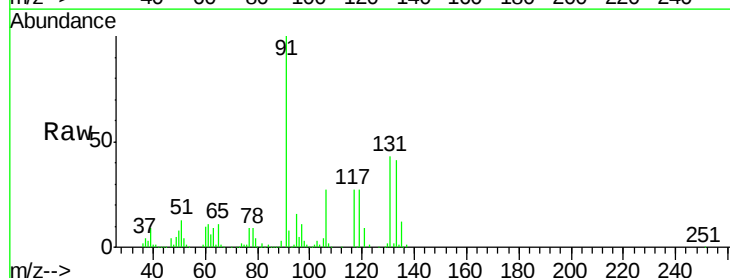
Manual Integrations
APPROVED

MMDadoda
7/13/2019 1:29:07 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.957 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD063067.D
Acq: 10 Jul 2019 19:26

Tgt Ion:131 Resp: 491441
Ion Ratio Lower Upper
131 100
133 95.7 44.5 133.3
119 62.1 28.6 85.9





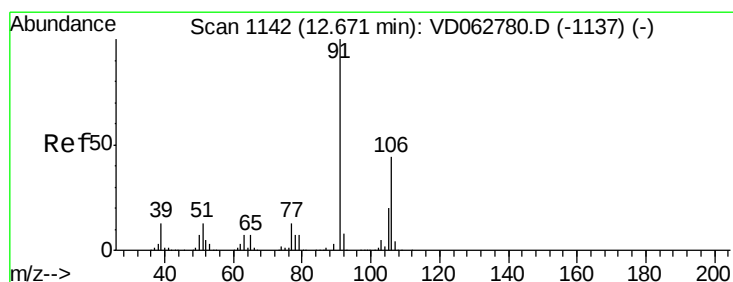
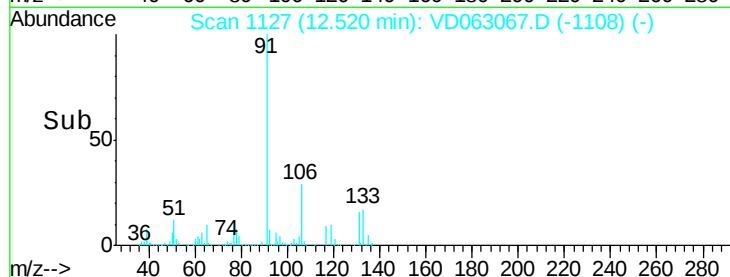
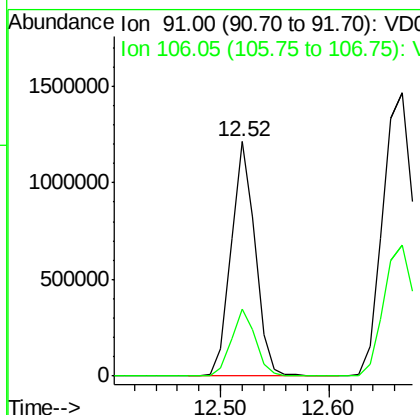
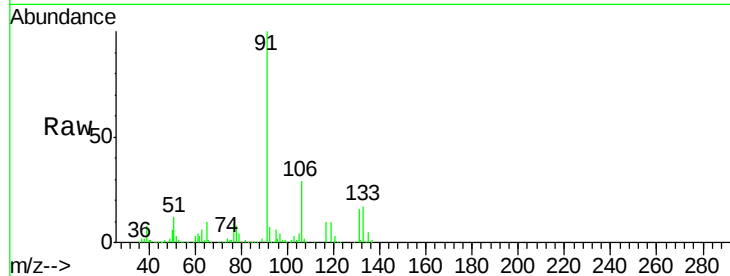
#67
Ethyl Benzene
Concen: 52.539 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD063067.D
Acq: 10 Jul 2019 19:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1871817
Ion Ratio Lower Upper
91 100
106 28.6 23.1 34.7

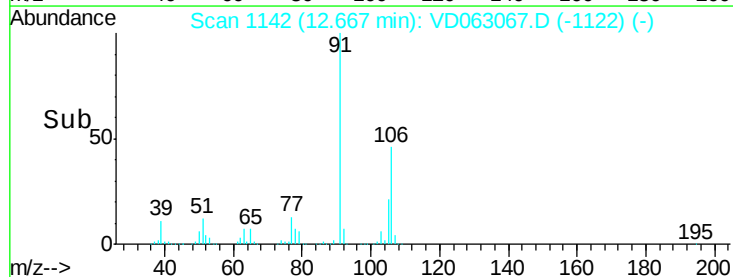
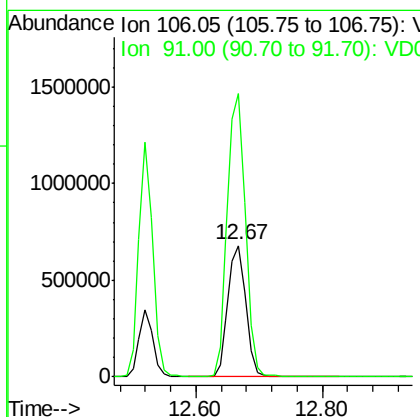
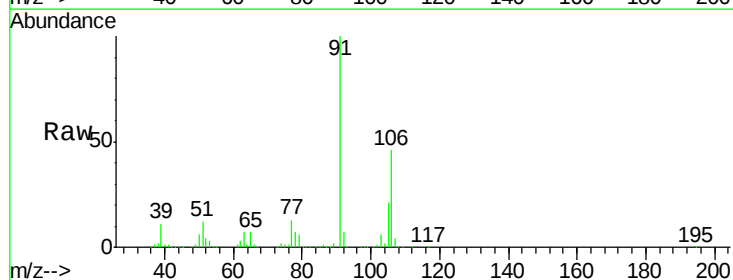
Manual Integrations
APPROVED

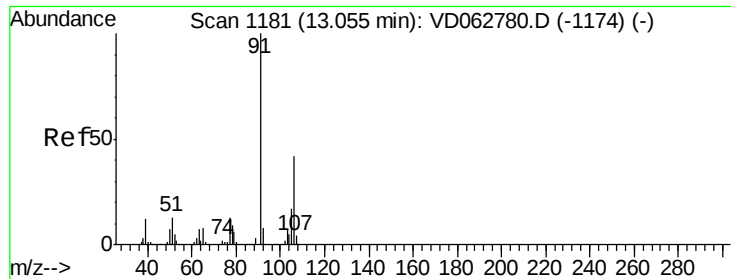
MMDadoda
7/13/2019 1:29:07 AM



#68
m/p-Xylenes
Concen: 107.334 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD063067.D
Acq: 10 Jul 2019 19:26

Tgt Ion: 106 Resp: 1331852
Ion Ratio Lower Upper
106 100
91 215.6 183.0 274.6





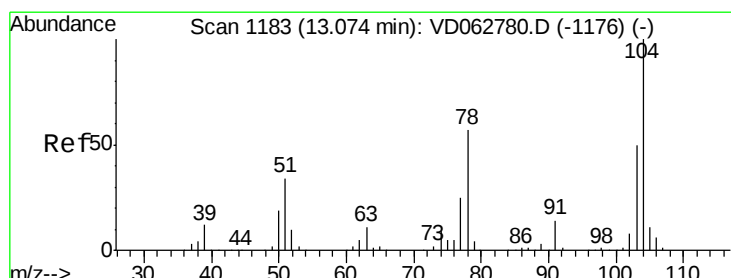
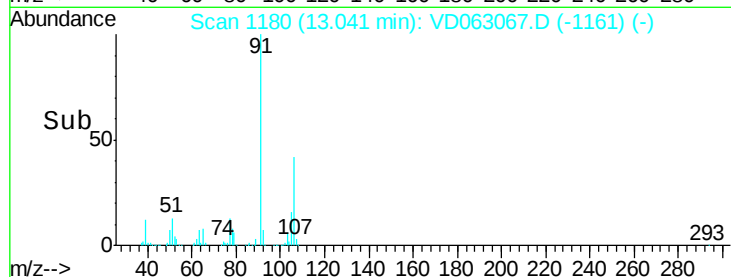
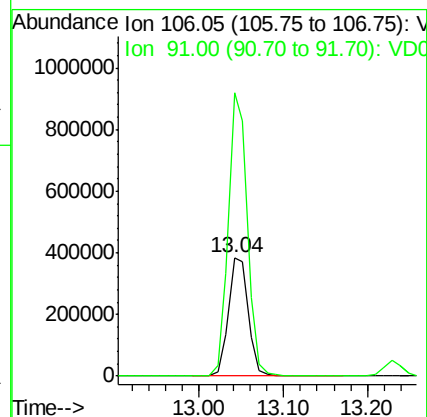
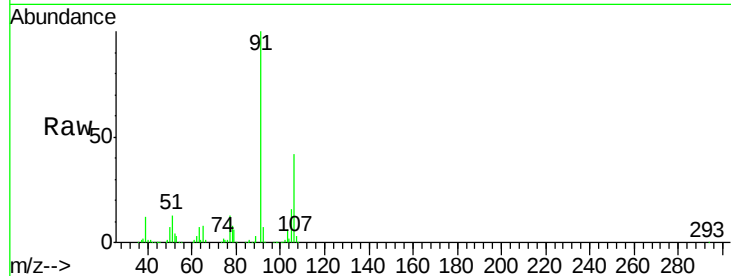
#69
o-Xylene
Concen: 55.404 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD063067.D
Acq: 10 Jul 2019 19:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 628459
Ion Ratio Lower Upper
106 100
91 238.9 117.9 353.6

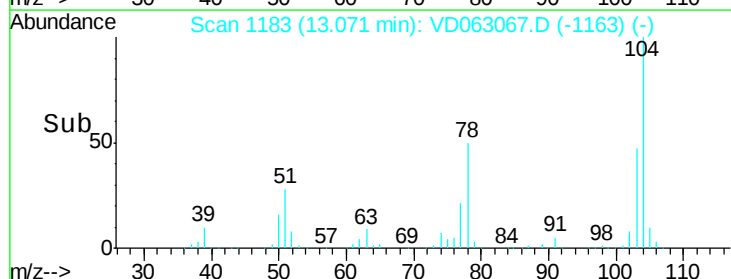
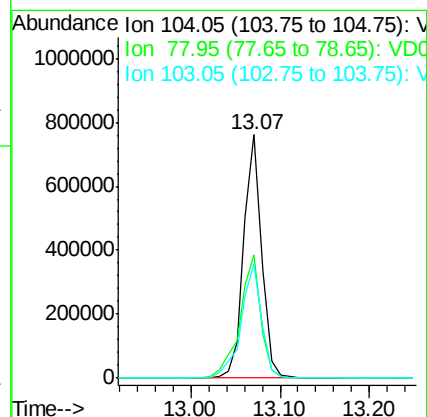
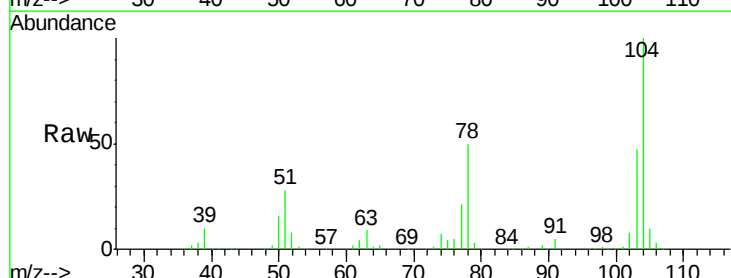
Manual Integrations
APPROVED

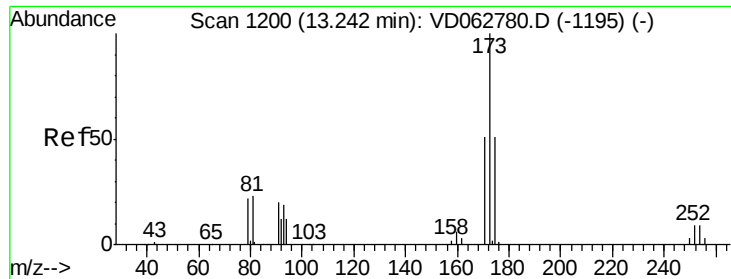
MMDadoda
7/13/2019 1:29:07 AM



#70
Styrene
Concen: 53.826 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063067.D
Acq: 10 Jul 2019 19:26

Tgt Ion:104 Resp: 1072434
Ion Ratio Lower Upper
104 100
78 50.4 45.4 68.2
103 47.0 39.7 59.5





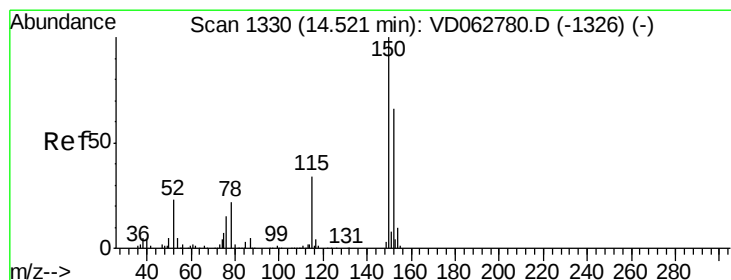
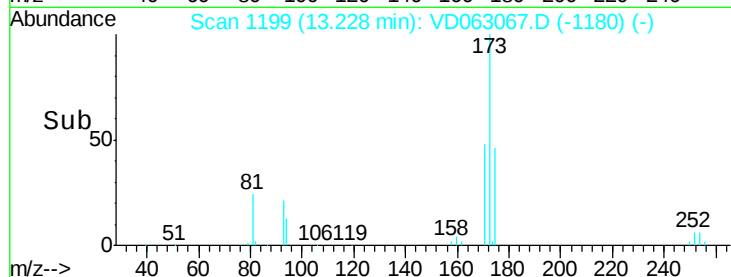
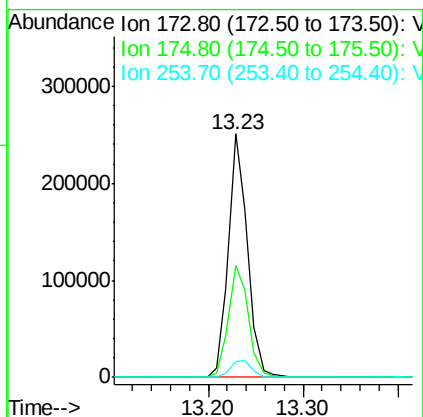
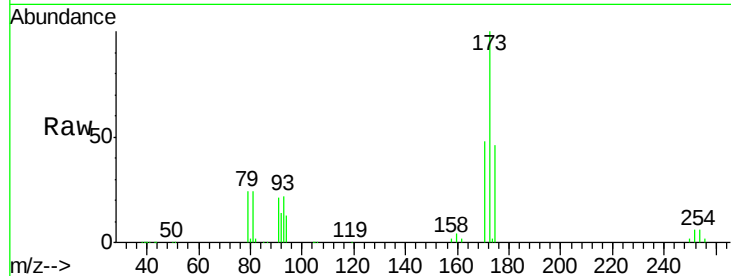
#71
Bromoform
Concen: 54.713 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. -0.01 min
Lab File: VD063067.D
Acq: 10 Jul 2019 19:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.1	25.3	75.9
254	6.4	7.1	10.7

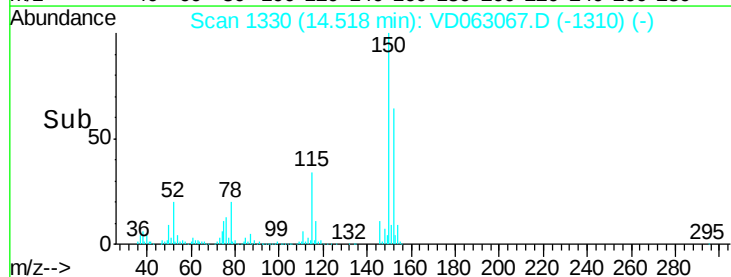
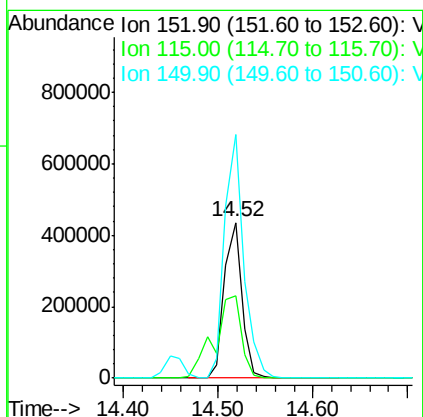
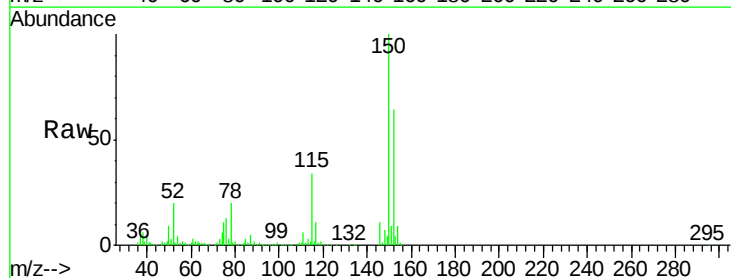
Manual Integrations
APPROVED

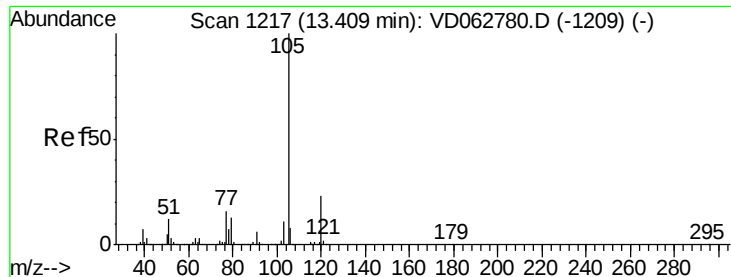
MMDadoda
7/13/2019 1:29:07 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD063067.D
Acq: 10 Jul 2019 19:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.3	29.2	87.6
150	156.8	0.0	305.8





#73

Isopropylbenzene

Concen: 52.990 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD063067.D

Acq: 10 Jul 2019 19:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1919037

Ion Ratio Lower Upper

105 100

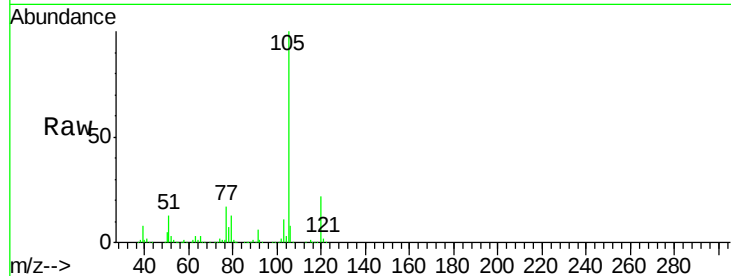
120 21.9 11.6 34.7

Manual Integrations

APPROVED

MMDadoda

7/13/2019 1:29:07 AM



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

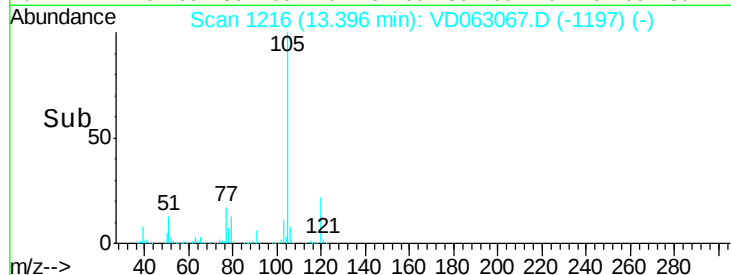
1500000

1000000

500000

0

Time-->



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

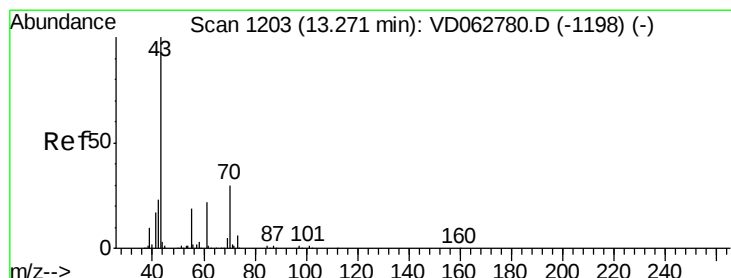
1500000

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 58.685 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD063067.D

Acq: 10 Jul 2019 19:26

Tgt Ion: 43 Resp: 516126

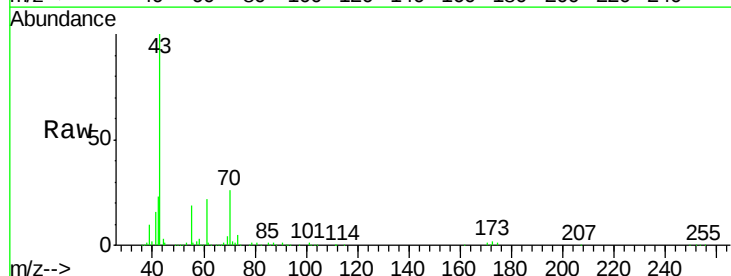
Ion Ratio Lower Upper

43 100

70 26.0 24.4 36.6

55 18.8 15.2 22.8

61 21.9 17.4 26.2



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

500000

400000

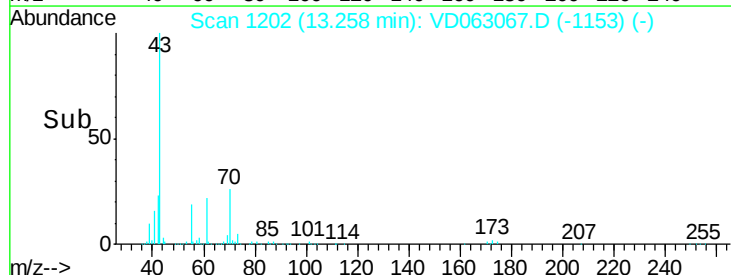
300000

200000

100000

0

Time-->



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

500000

400000

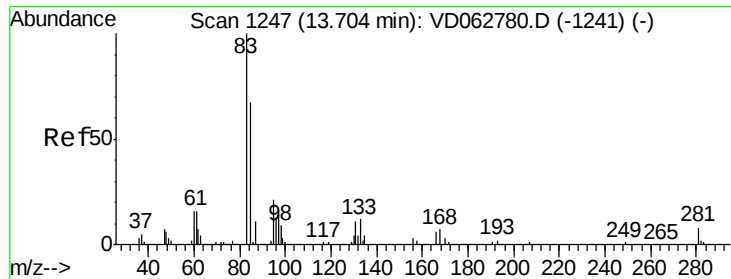
300000

200000

100000

0

Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: 59.220 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD063067.D

Acq: 10 Jul 2019 19:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 349438
Ion Ratio Lower Upper

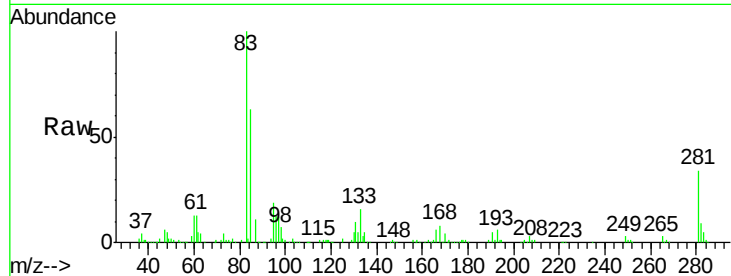
83 100

131 10.4 5.3 16.1

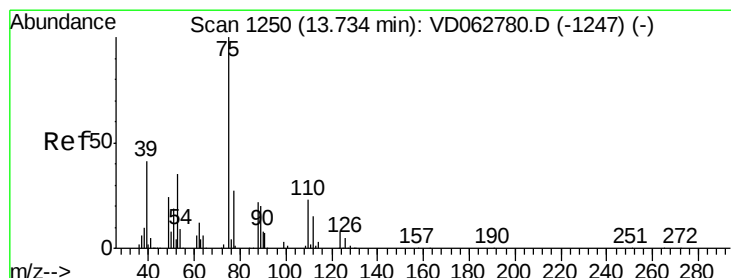
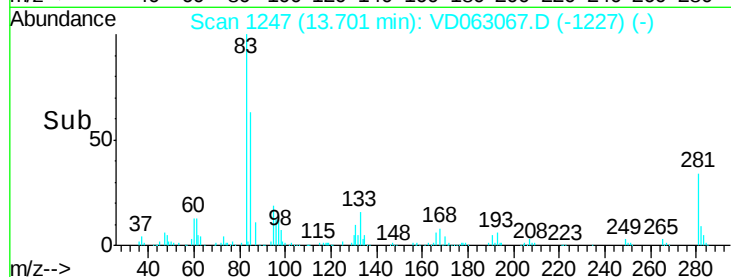
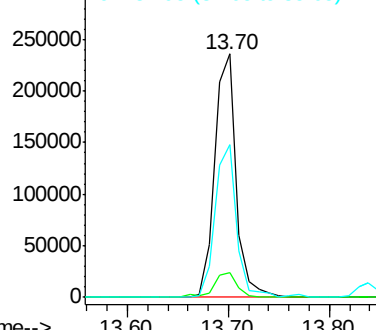
85 62.6 33.7 101.1

Manual Integrations
APPROVED

MMDadoda
7/13/2019 1:29:07 AM



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



#76

1,2,3-Trichloropropane

Concen: 56.799 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

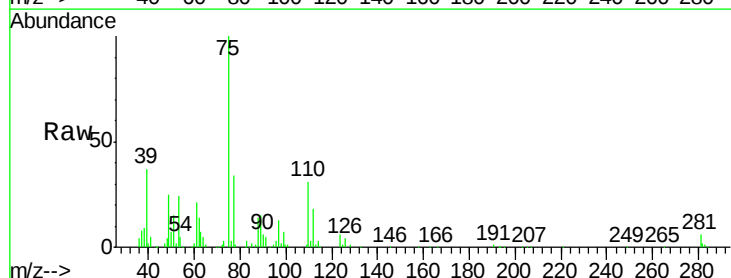
Lab File: VD063067.D

Acq: 10 Jul 2019 19:26

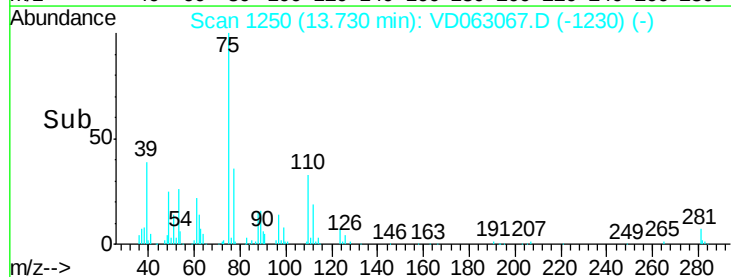
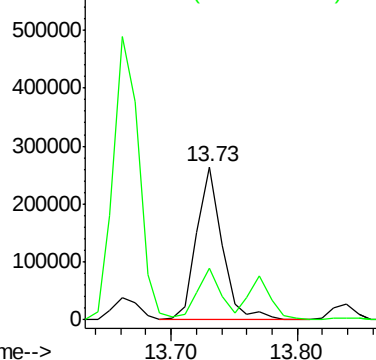
Tgt Ion: 75 Resp: 370359
Ion Ratio Lower Upper

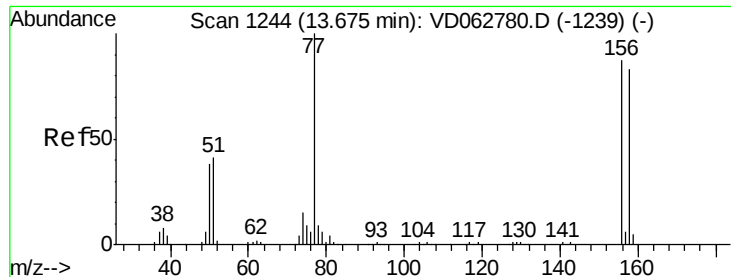
75 100

77 33.5 15.0 45.1



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





#77

Bromobenzene

Concen: 55.335 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD063067.D

Acq: 10 Jul 2019 19:26

Instrument :

MSVOA_D

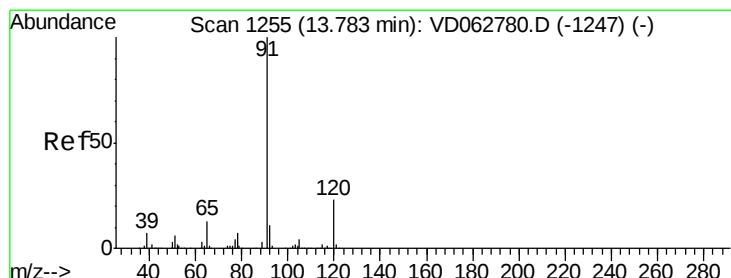
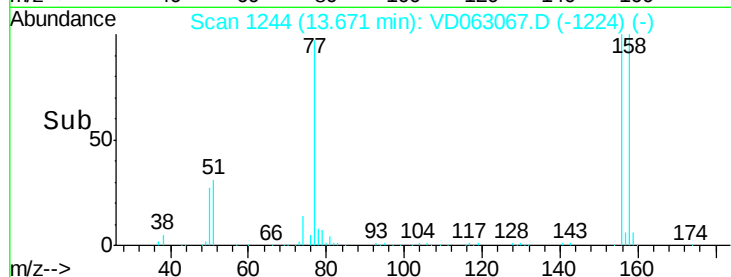
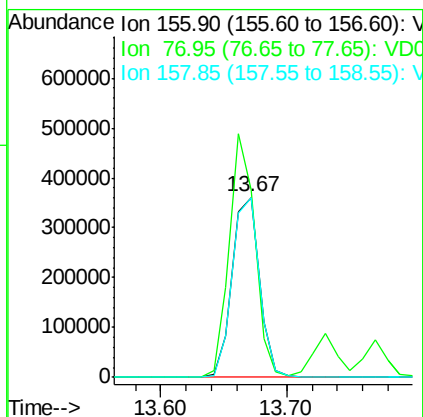
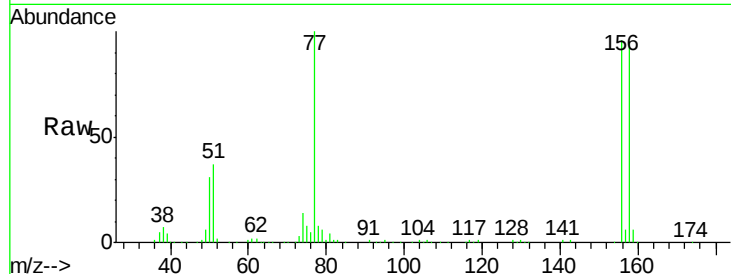
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	539007
Ion Ratio	Lower	Upper	
156	100		
77	104.4	57.7	173.1
158	99.7	47.7	143.1

Manual Integrations
APPROVED

MMDadoda
7/13/2019 1:29:07 AM



#78

n-propylbenzene

Concen: 51.858 ug/l

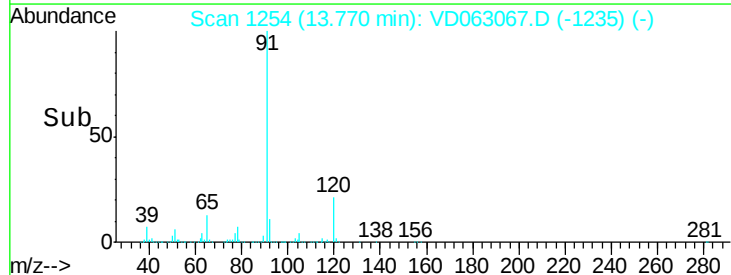
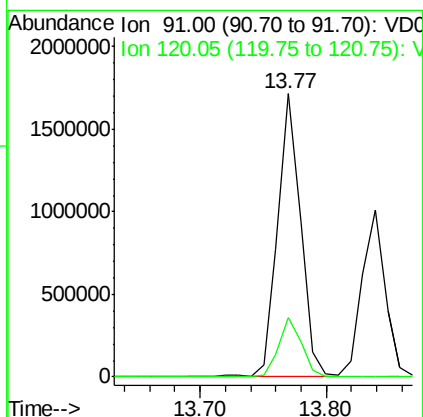
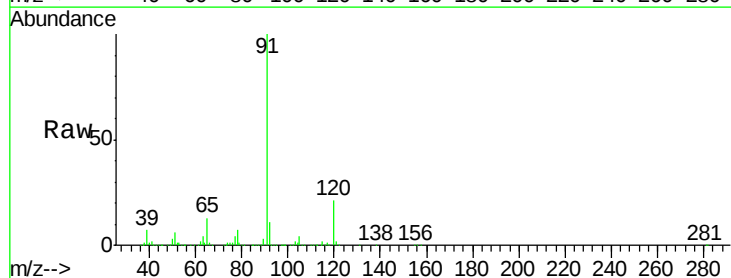
RT: 13.77 min Scan# 1254

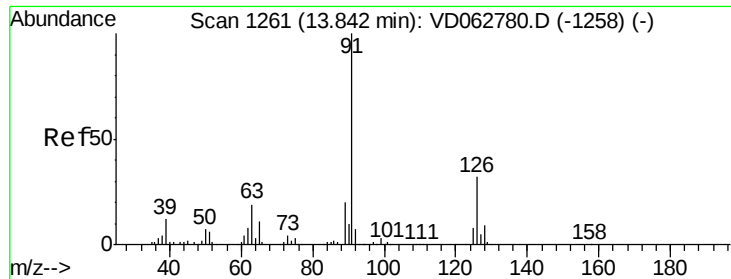
Delta R.T. -0.01 min

Lab File: VD063067.D

Acq: 10 Jul 2019 19:26

Tgt Ion:	91	Resp:	2185879
Ion Ratio	Lower	Upper	
91	100		
120	20.9	11.3	33.8





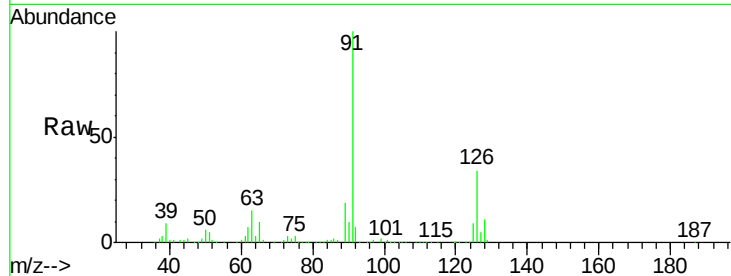
#79
 2-Chlorotoluene
 Concen: 53.859 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD063067.D
 Acq: 10 Jul 2019 19:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

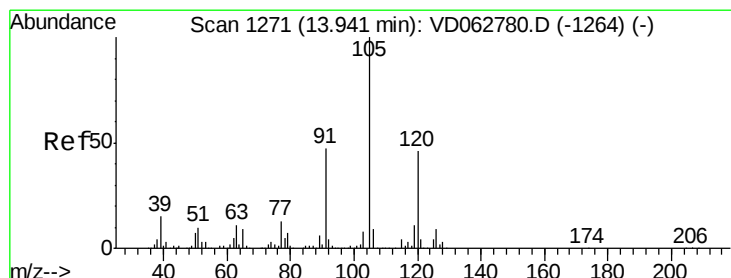
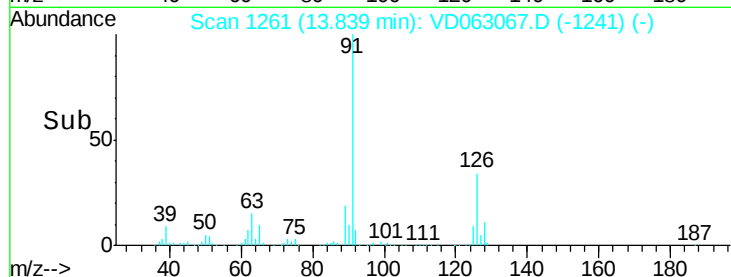
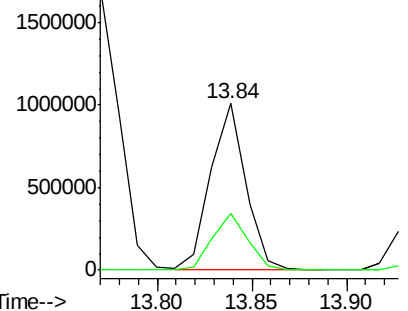
Tot Ion: 91 Resp: 1297399
 Ion Ratio Lower Upper
 91 100
 126 34.2 15.7 47.1

Manual Integrations
 APPROVED

MMDadoda
 7/13/2019 1:29:07 AM

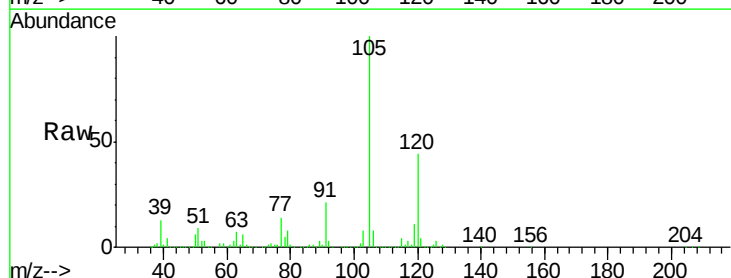


Abundance Ion 91.00 (90.70 to 91.70): VD062780.D (-1258) (-)
 Ion 125.95 (125.65 to 126.65): VD062780.D (-1258) (-)

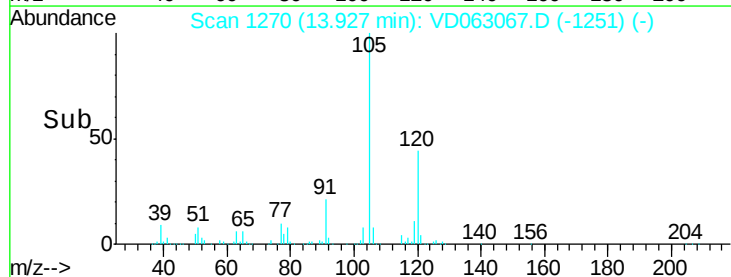
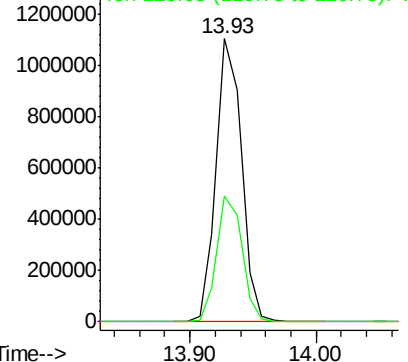


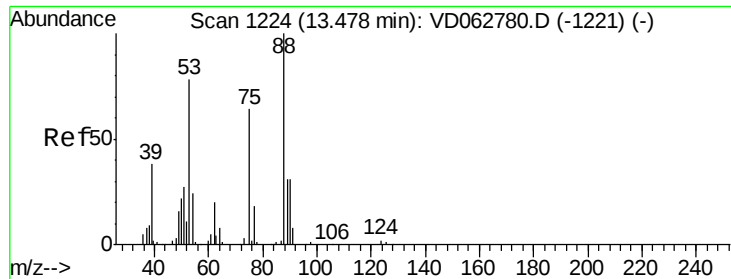
#80
 1,3,5-Trimethylbenzene
 Concen: 50.465 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VD063067.D
 Acq: 10 Jul 2019 19:26

Tgt Ion: 105 Resp: 1535108
 Ion Ratio Lower Upper
 105 100
 120 44.3 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): VD062780.D (-1264) (-)
 Ion 120.05 (119.75 to 120.75): VD062780.D (-1264) (-)





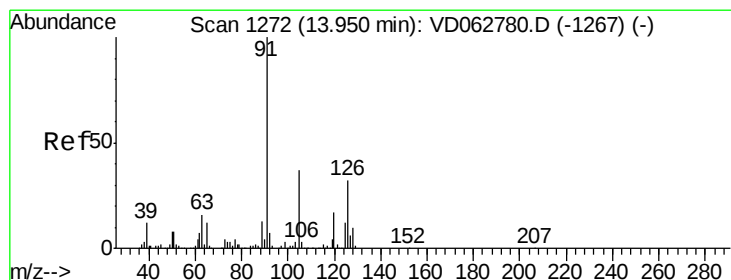
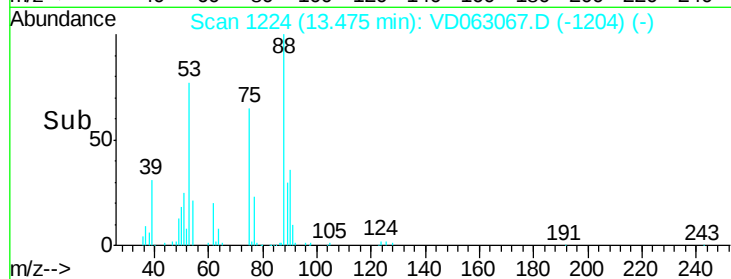
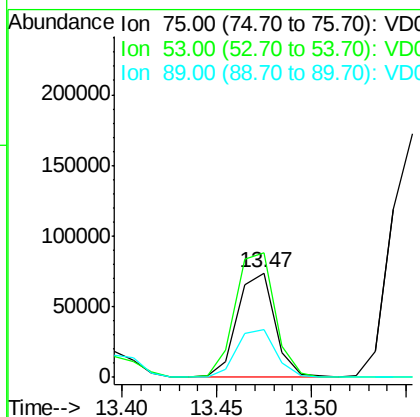
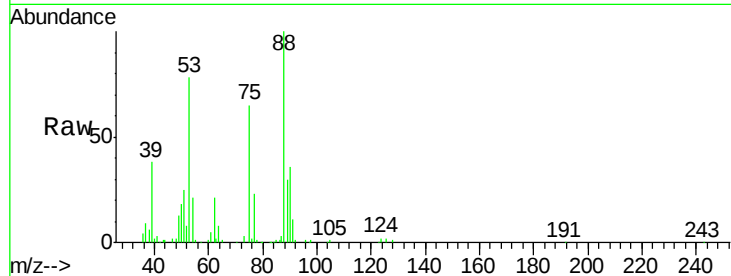
#81
trans-1,4-Dichloro-2-butene
Concen: 59.679 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VD063067.D
Acq: 10 Jul 2019 19:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	119.6	97.8	146.8
89	45.9	39.4	59.2

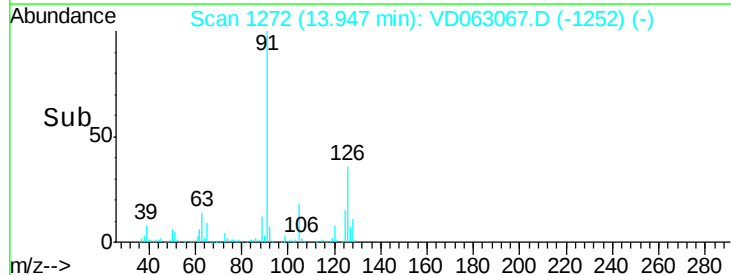
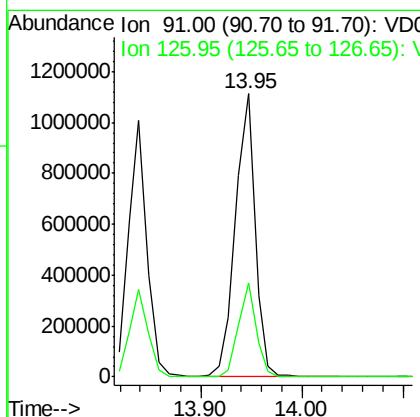
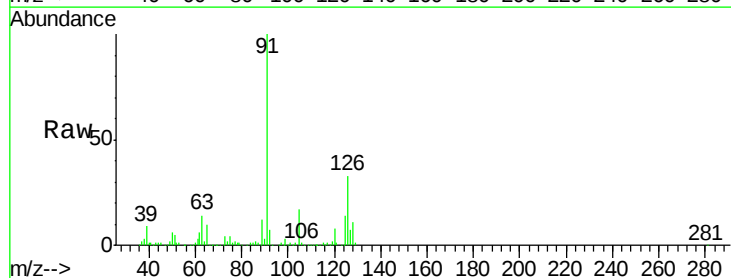
Manual Integrations
APPROVED

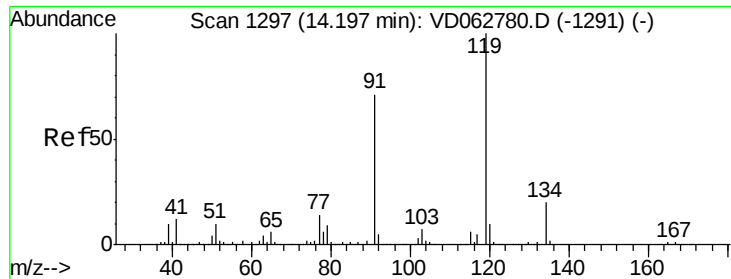
MMDadoda
7/13/2019 1:29:07 AM



#82
4-Chlorotoluene
Concen: 52.123 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VD063067.D
Acq: 10 Jul 2019 19:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.0	47.9





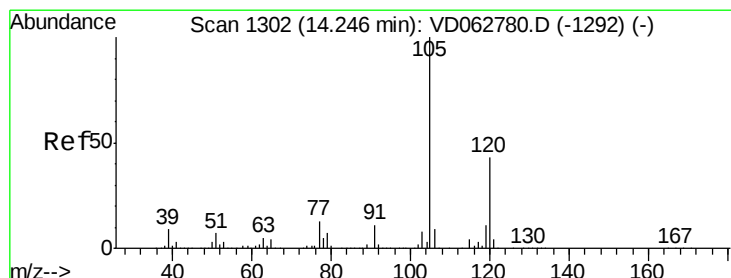
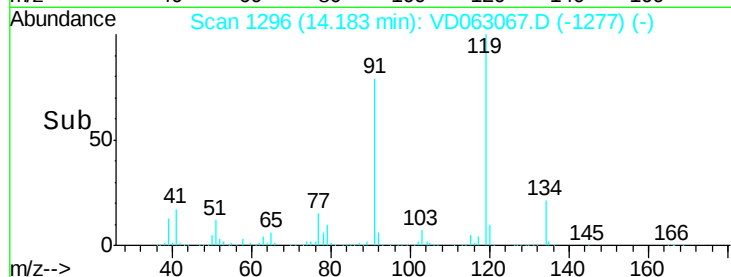
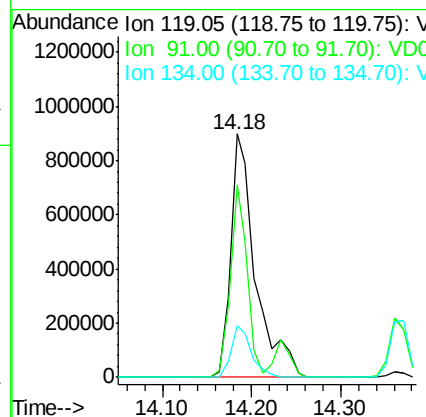
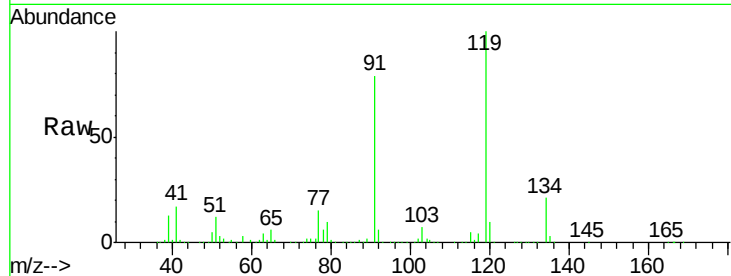
#83
tert-Butylbenzene
Concen: 51.819 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. -0.01 min
Lab File: VD063067.D
Acq: 10 Jul 2019 19:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:119 Resp: 1757040
Ion Ratio Lower Upper
119 100
91 78.8 35.5 106.5
134 21.0 10.2 30.6

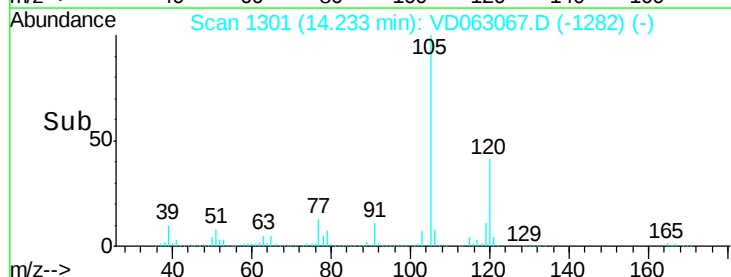
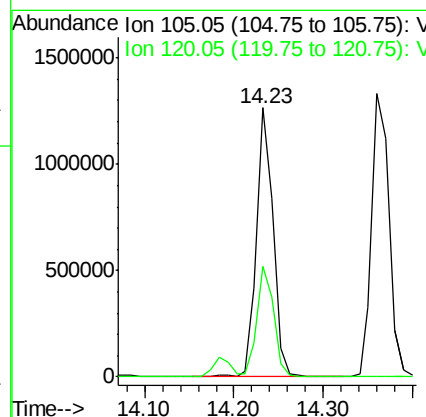
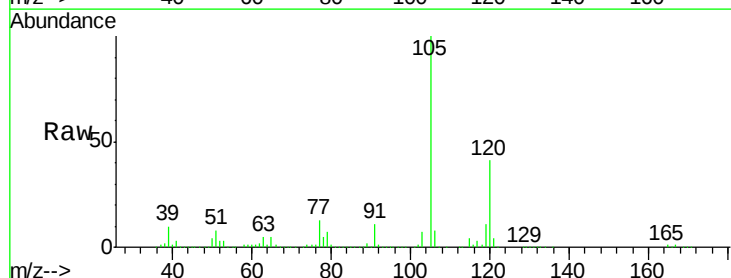
Manual Integrations
APPROVED

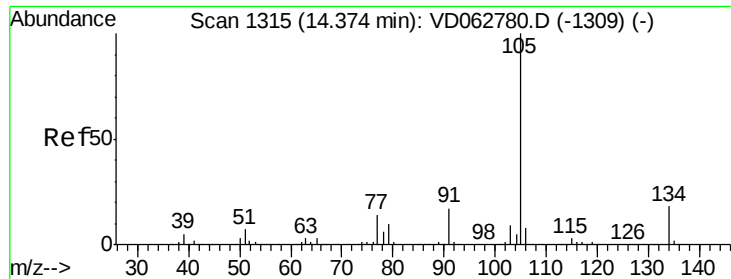
MMDadoda
7/13/2019 1:29:07 AM



#84
1,2,4-Trimethylbenzene
Concen: 51.560 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VD063067.D
Acq: 10 Jul 2019 19:26

Tgt Ion:105 Resp: 1607569
Ion Ratio Lower Upper
105 100
120 41.1 21.3 63.9





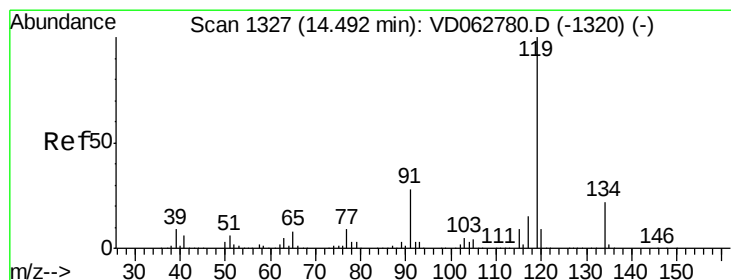
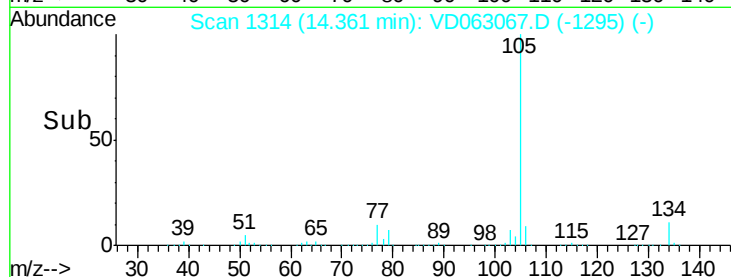
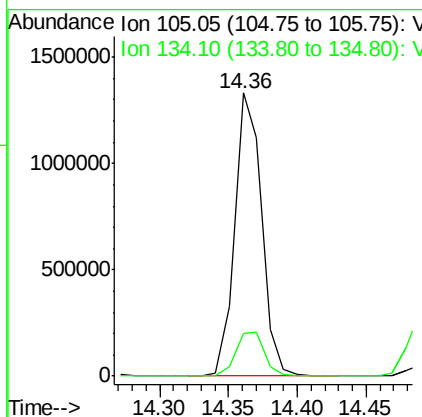
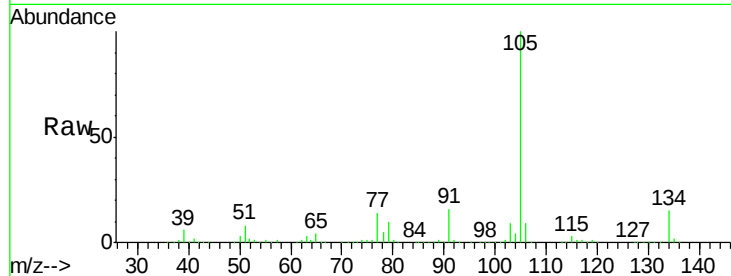
#85
 sec-Butylbenzene
 Concen: 49.004 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD063067.D
 Acq: 10 Jul 2019 19:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 1805932
 Ion Ratio Lower Upper
 105 100
 134 15.3 9.1 27.3

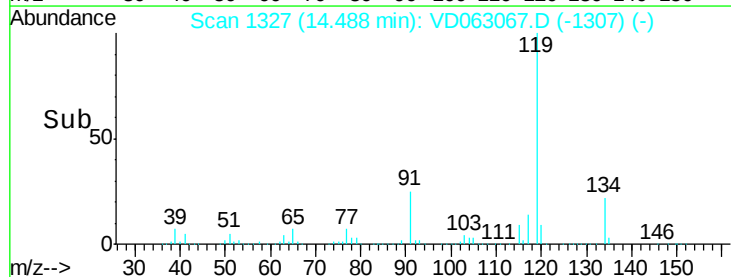
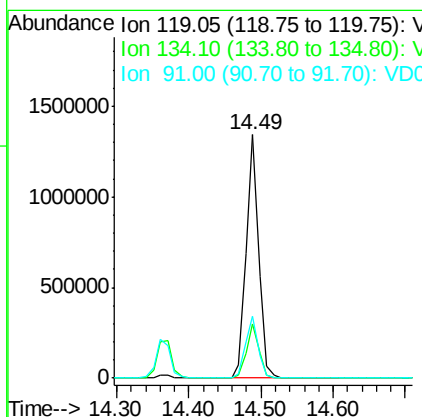
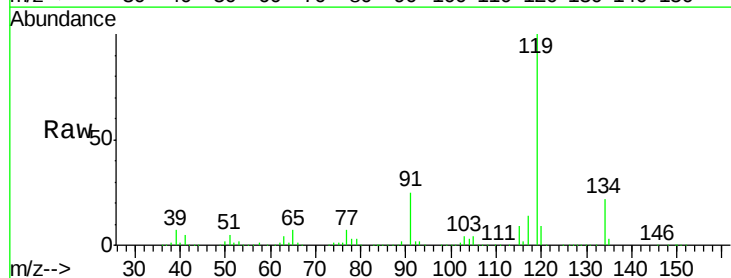
Manual Integrations
 APPROVED

MMDadoda
 7/13/2019 1:29:07 AM



#86
 p-Isopropyltoluene
 Concen: 48.594 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD063067.D
 Acq: 10 Jul 2019 19:26

Tgt Ion:119 Resp: 1638306
 Ion Ratio Lower Upper
 119 100
 134 22.1 11.1 33.1
 91 25.3 14.0 41.9





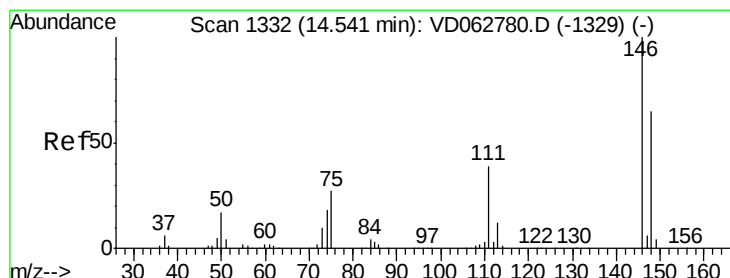
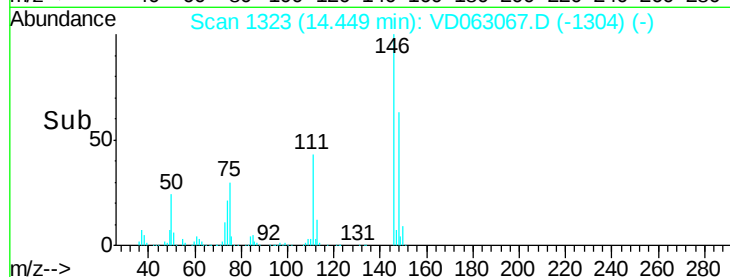
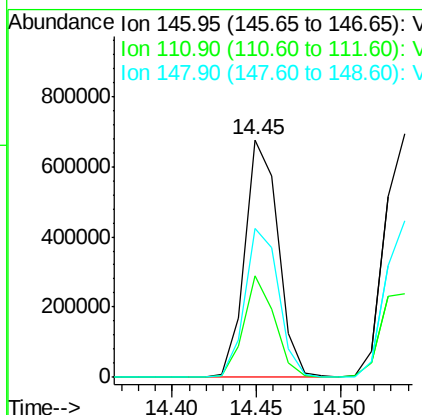
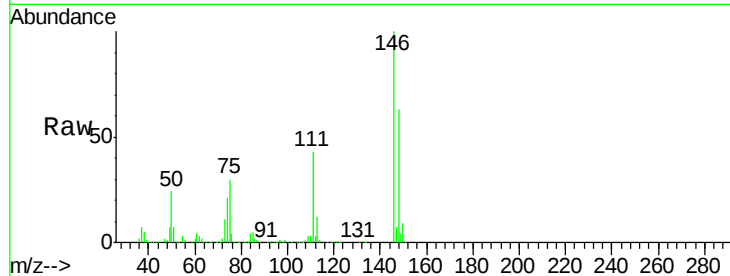
#87
 1,3-Dichlorobenzene
 Concen: 53.194 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD063067.D
 Acq: 10 Jul 2019 19:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	19.0	57.0
148	62.7	30.8	92.3

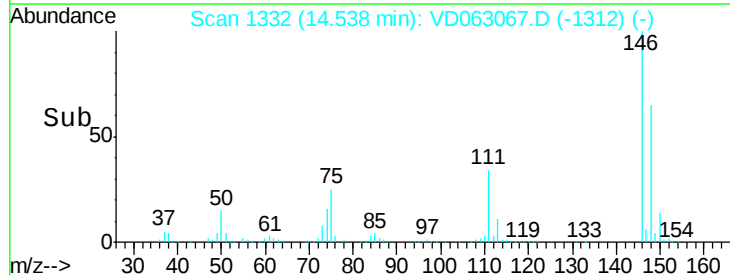
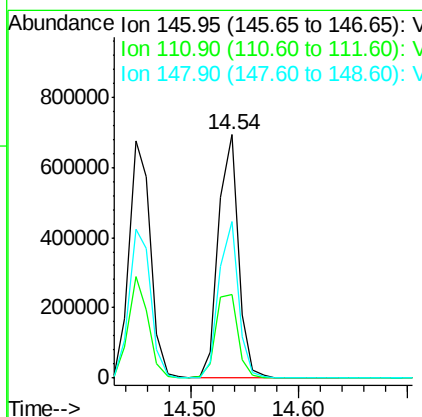
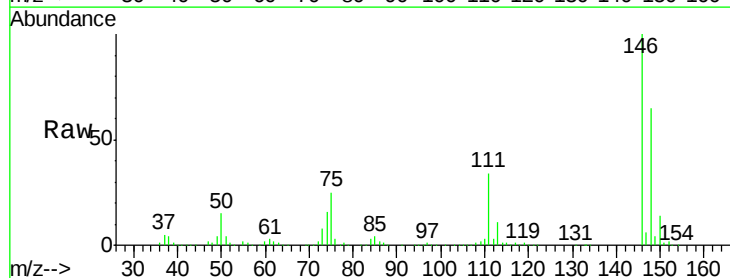
Manual Integrations
 APPROVED

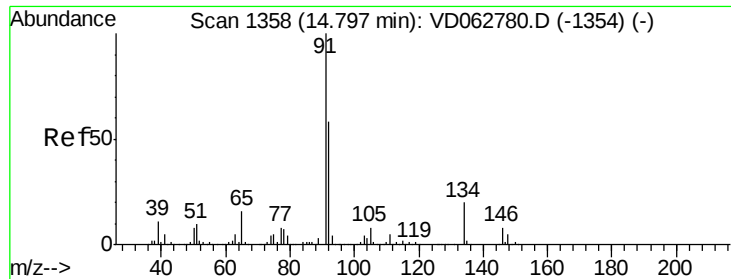
MMDadoda
 7/13/2019 1:29:07 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.444 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD063067.D
 Acq: 10 Jul 2019 19:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.2	19.7	59.1
148	64.6	32.8	98.3





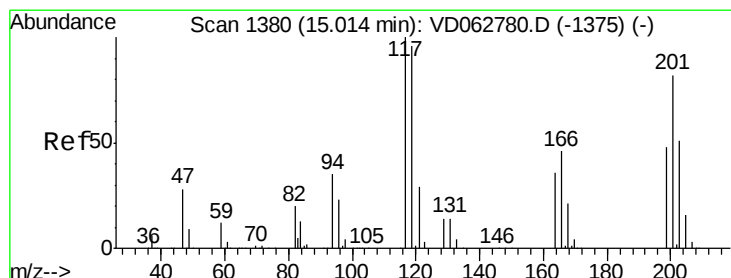
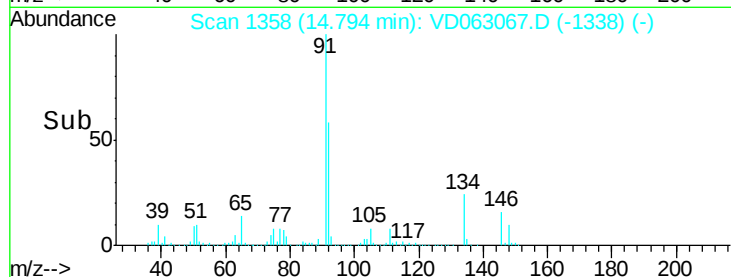
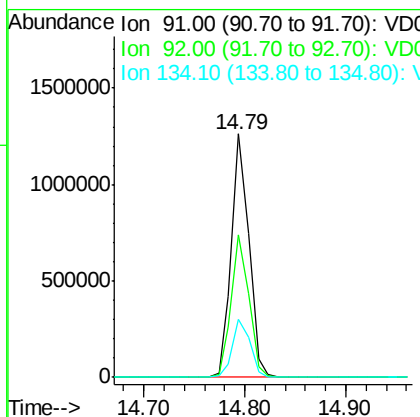
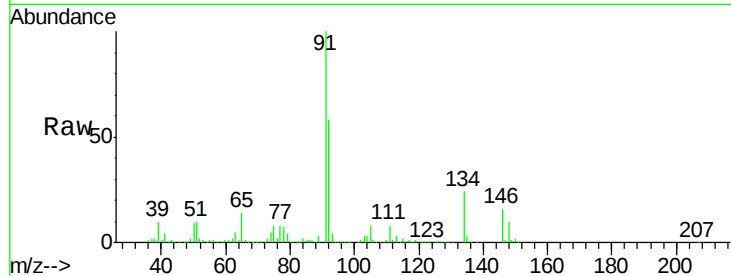
#89
n-Butylbenzene
Concen: 48.230 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VD063067.D
Acq: 10 Jul 2019 19:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1521918
Ion Ratio Lower Upper
91 100
92 58.4 28.9 86.7
134 23.7 10.1 30.3

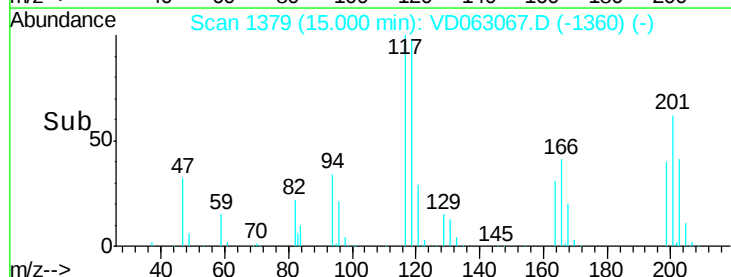
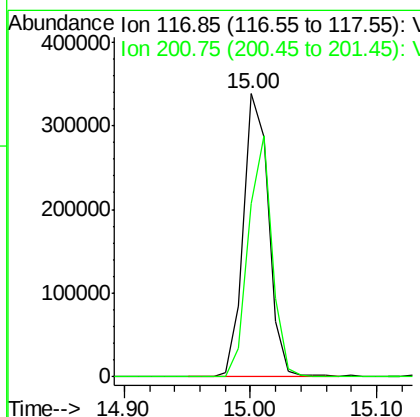
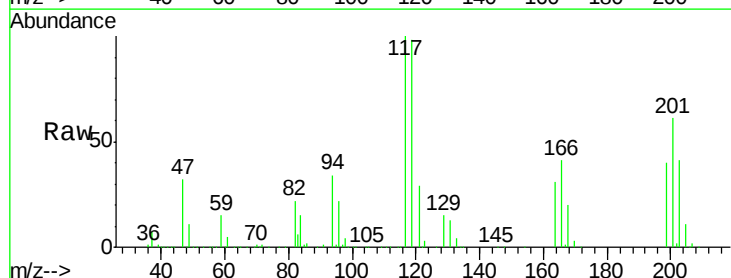
Manual Integrations
APPROVED

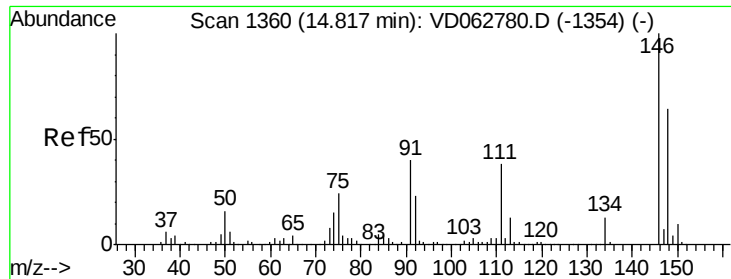
MMDadoda
7/13/2019 1:29:07 AM



#90
Hexachloroethane
Concen: 51.800 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VD063067.D
Acq: 10 Jul 2019 19:26

Tgt Ion: 117 Resp: 469554
Ion Ratio Lower Upper
117 100
201 61.4 40.8 122.2





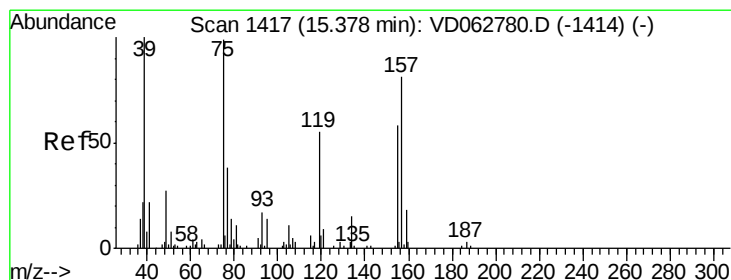
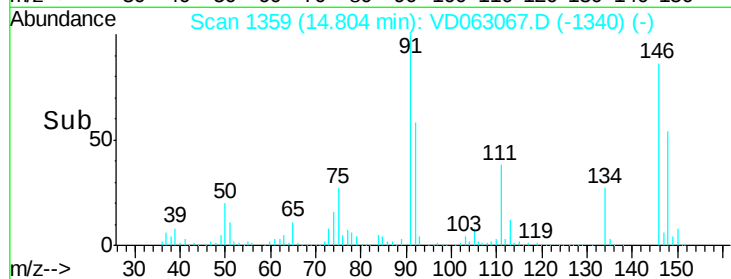
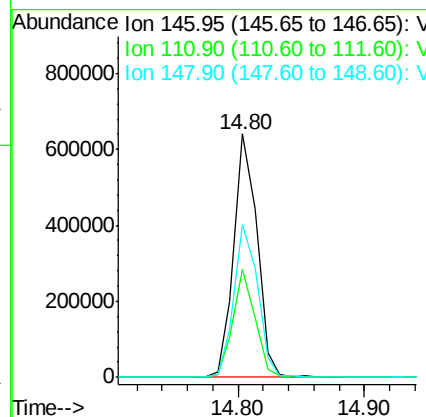
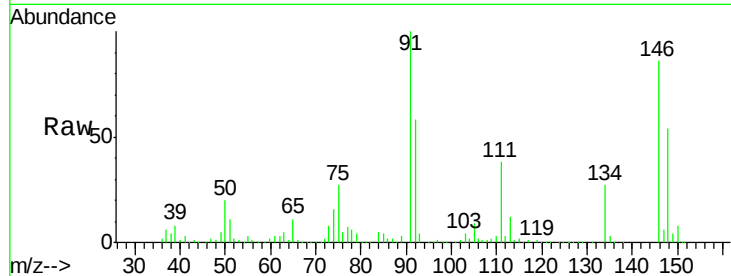
#91
 1,2-Dichlorobenzene
 Concen: 54.447 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD063067.D
 Acq: 10 Jul 2019 19:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	19.1	57.1
148	62.9	32.3	96.8

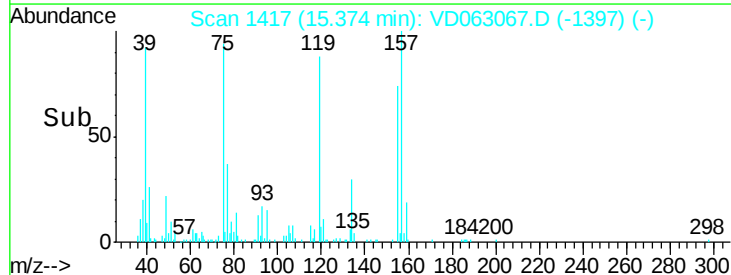
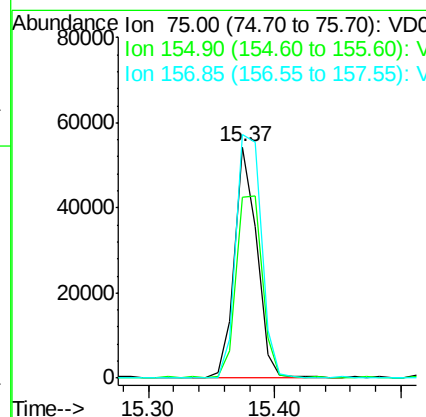
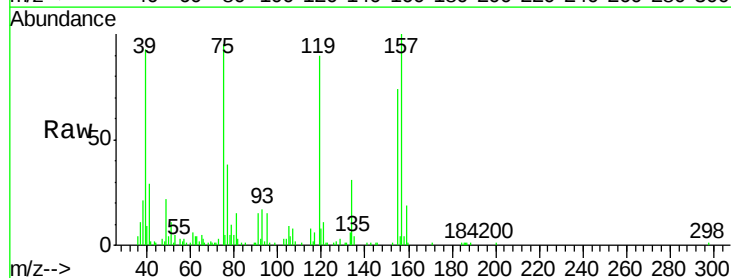
Manual Integrations
 APPROVED

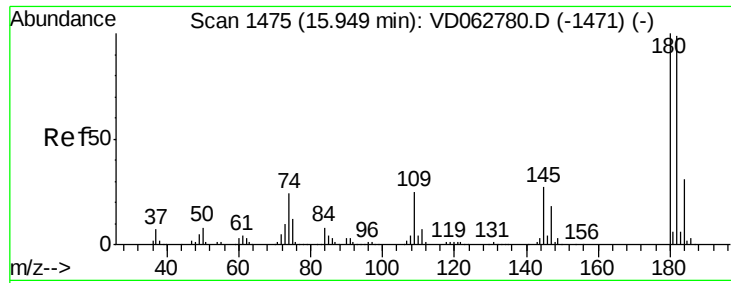
MMDadoda
 7/13/2019 1:29:07 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.489 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD063067.D
 Acq: 10 Jul 2019 19:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.0	29.3	87.8
157	105.4	41.3	123.7





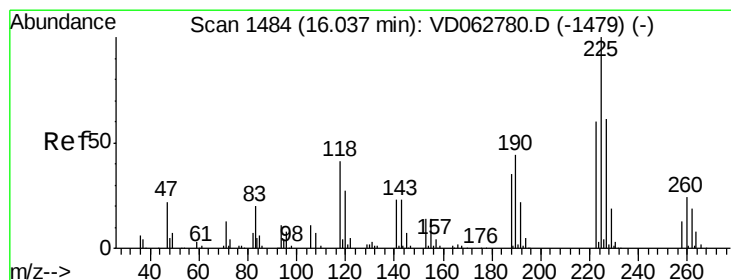
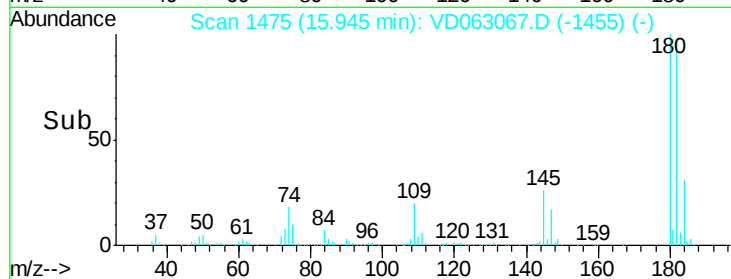
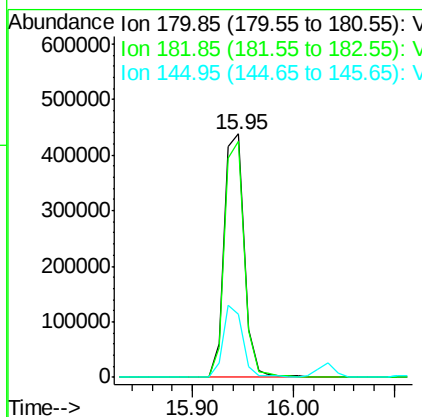
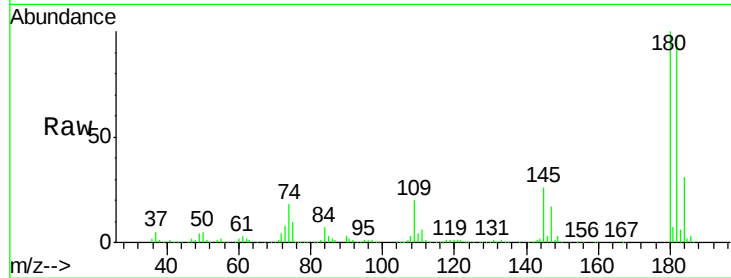
#93
 1,2,4-Trichlorobenzene
 Concen: 52.129 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD063067.D
 Acq: 10 Jul 2019 19:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	180	Resp:	608358
Ion Ratio	Lower	Upper	
180	100		
182	97.1	49.5	148.5
145	25.8	13.7	41.0

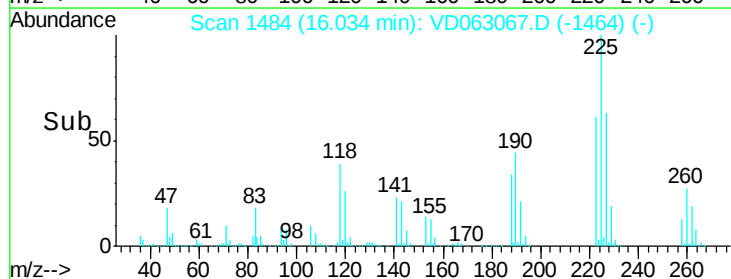
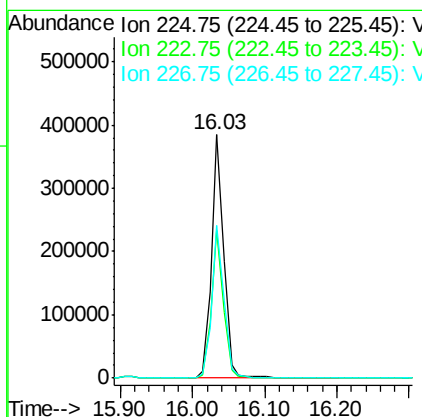
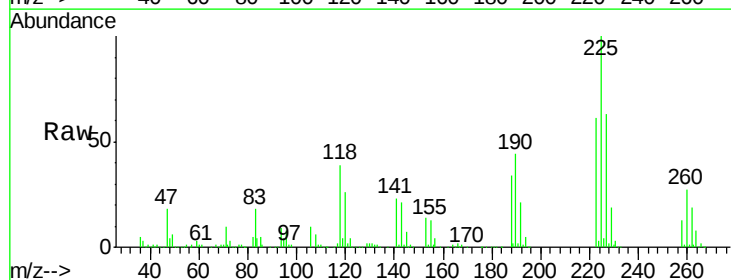
Manual Integrations
 APPROVED

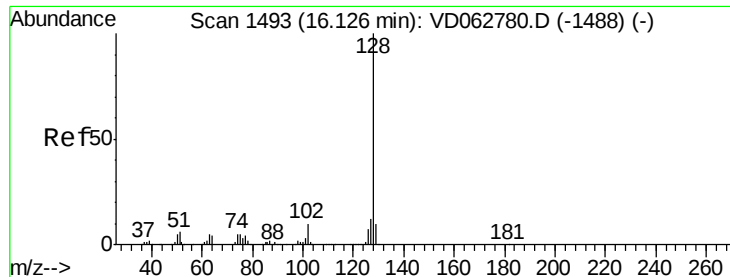
MMDadoda
 7/13/2019 1:29:07 AM



#94
 Hexachlorobutadiene
 Concen: 50.365 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063067.D
 Acq: 10 Jul 2019 19:26

Tgt Ion:	225	Resp:	449024
Ion Ratio	Lower	Upper	
225	100		
223	60.8	29.8	89.5
227	63.0	30.6	91.6





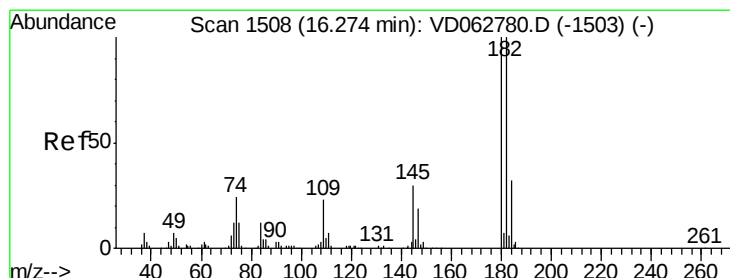
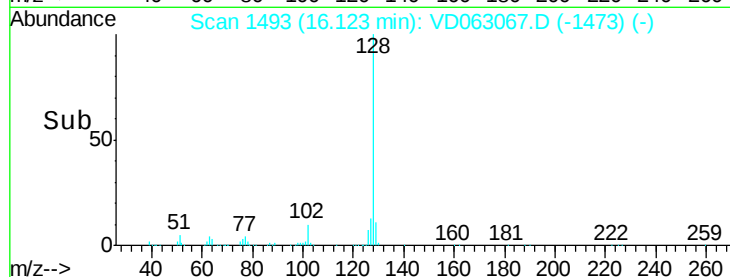
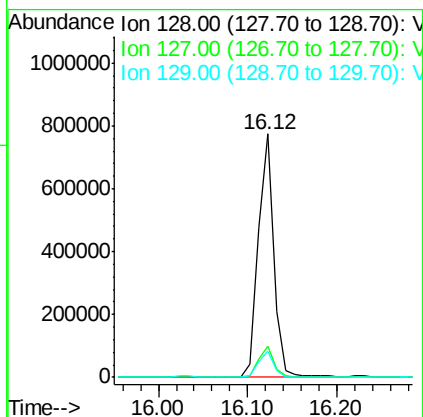
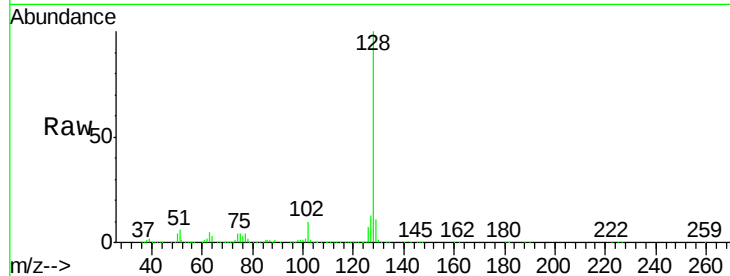
#95
Naphthalene
Concen: 56.200 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD063067.D
Acq: 10 Jul 2019 19:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	9.7	14.5
129	10.7	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
7/13/2019 1:29:07 AM



#96
1,2,3-Trichlorobenzene
Concen: 55.586 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD063067.D
Acq: 10 Jul 2019 19:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	105.0	49.9	149.6
145	29.7	15.2	45.5

