

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021220\
 Data File : VD065157.D
 Acq On : 12 Feb 2020 10:15
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/13/2020 10:58:51 AM

Quant Time: Feb 13 06:07:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	489713	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	705245	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	630929	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	307968	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	208285	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
35) Dibromofluoromethane	7.92	113	215609	54.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.58%	
50) Toluene-d8	10.34	98	850892	54.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.66%	
62) 4-Bromofluorobenzene	12.64	95	262131	52.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	209570	51.425	ug/l	99
3) Chloromethane	2.21	50	254477	53.047	ug/l	97
4) Vinyl Chloride	2.35	62	273508	53.910	ug/l	99
5) Bromomethane	2.77	94	161042	48.955	ug/l	97
6) Chloroethane	2.93	64	168105	53.416	ug/l	95
7) Trichlorofluoromethane	3.27	101	391329	53.002	ug/l	97
8) Diethyl Ether	3.71	74	101567	47.919	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	235259	52.123	ug/l	99
10) Methyl Iodide	4.30	142	256246	49.740	ug/l	98
11) Tert butyl alcohol	5.24	59	48451	190.526	ug/l	99
12) 1,1-Dichloroethene	4.06	96	218085	50.450	ug/l	99
13) Acrolein	3.92	56	67063	214.407	ug/l	98
14) Allyl chloride	4.71	41	356344	49.600	ug/l	99
15) Acrylonitrile	5.43	53	218431	235.720	ug/l	100
16) Acetone	4.16	43	279572	268.662	ug/l	97
17) Carbon Disulfide	4.40	76	720309	51.897	ug/l	99
18) Methyl Acetate	4.73	43	99586	45.805	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	442344	46.274	ug/l	99
20) Methylene Chloride	4.96	84	235418	51.497	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	252759	51.681	ug/l	97
22) Diisopropyl ether	6.37	45	697477	51.469	ug/l	97
23) Vinyl Acetate	6.31	43	1886085	249.703	ug/l	99
24) 1,1-Dichloroethane	6.27	63	428316	52.218	ug/l	100
25) 2-Butanone	7.22	43	303447	244.461	ug/l	99
26) 2,2-Dichloropropane	7.21	77	386139	52.521	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	263538	50.722	ug/l	99
28) Bromochloromethane	7.55	49	168791	54.285	ug/l	98
29) Tetrahydrofuran	7.57	42	172057	229.210	ug/l	98
30) Chloroform	7.71	83	428697	52.490	ug/l	99
31) Cyclohexane	7.98	56	406427	49.086	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	399231	52.475	ug/l	99
36) 1,1-Dichloropropene	8.11	75	356231	54.322	ug/l	99
37) Ethyl Acetate	7.30	43	124708	46.549	ug/l	99
38) Carbon Tetrachloride	8.10	117	369670	55.194	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021220\
 Data File : VD065157.D
 Acq On : 12 Feb 2020 10:15
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/13/2020 10:58:51 AM

Quant Time: Feb 13 06:07:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	428551	52.945	ug/l	97
40) Benzene	8.36	78	977187	53.961	ug/l	99
41) Methacrylonitrile	7.53	41	61404	41.603	ug/l	92
42) 1,2-Dichloroethane	8.43	62	260704	50.525	ug/l	98
43) Isopropyl Acetate	8.46	43	235498	45.952	ug/l	98
44) Trichloroethene	9.11	130	266179	51.209	ug/l	98
45) 1,2-Dichloropropane	9.39	63	236147	54.389	ug/l	95
46) Dibromomethane	9.48	93	116483	51.055	ug/l	99
47) Bromodichloromethane	9.67	83	322063	53.574	ug/l	98
48) Methyl methacrylate	9.46	41	112584	45.653	ug/l	96
49) 1,4-Dioxane	9.47	88	25553	945.602	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	609362	241.567	ug/l	98
52) Toluene	10.41	92	621979	53.814	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	301456	51.504	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	368184	52.595	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	160108	51.162	ug/l	96
56) Ethyl methacrylate	10.67	69	196918	49.732	ug/l	99
57) 1,3-Dichloropropane	10.95	76	282385	51.316	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	293686	227.878	ug/l	99
59) 2-Hexanone	10.99	43	481457	269.456	ug/l	100
60) Dibromochloromethane	11.14	129	212816	52.503	ug/l	100
61) 1,2-Dibromoethane	11.25	107	154049	50.379	ug/l	99
64) Tetrachloroethene	10.88	164	227043	50.081	ug/l	98
65) Chlorobenzene	11.68	112	637096	52.207	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	237460	52.723	ug/l	99
67) Ethyl Benzene	11.75	91	1185557	53.474	ug/l	98
68) m/p-Xylenes	11.86	106	925206	109.337	ug/l	98
69) o-Xylene	12.18	106	397685	52.189	ug/l	99
70) Styrene	12.20	104	714159	53.923	ug/l	100
71) Bromoform	12.37	173	123268	50.848	ug/l #	98
73) Isopropylbenzene	12.48	105	1110921	52.556	ug/l	100
74) N-amyl acetate	12.30	43	215370	46.877	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	162503	48.847	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	112579m	48.283	ug/l	
77) Bromobenzene	12.77	156	255129	50.096	ug/l	99
78) n-propylbenzene	12.83	91	1326991	53.607	ug/l	100
79) 2-Chlorotoluene	12.91	91	720950	52.249	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	907327	52.468	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	55938	47.980	ug/l	98
82) 4-Chlorotoluene	13.01	91	756687	52.216	ug/l	100
83) tert-Butylbenzene	13.23	119	764177	51.221	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	894772	52.118	ug/l	100
85) sec-Butylbenzene	13.41	105	1096486	53.811	ug/l	99
86) p-Isopropyltoluene	13.53	119	1016341	53.683	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	499935	52.430	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	484867	51.091	ug/l	99
89) n-Butylbenzene	13.86	91	940138	53.801	ug/l	100
90) Hexachloroethane	14.12	117	194163	54.160	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	418700	51.265	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	24909	45.867	ug/l	95

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD021220\
Data File : VD065157.D
Acq On : 12 Feb 2020 10:15
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
2/13/2020 10:58:51 AM

Quant Time: Feb 13 06:07:39 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:53:00 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	279219	47.832	ug/l	100
94) Hexachlorobutadiene	15.28	225	179812	50.097	ug/l	99
95) Naphthalene	15.41	128	439130	45.260	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	231661	46.396	ug/l	98

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

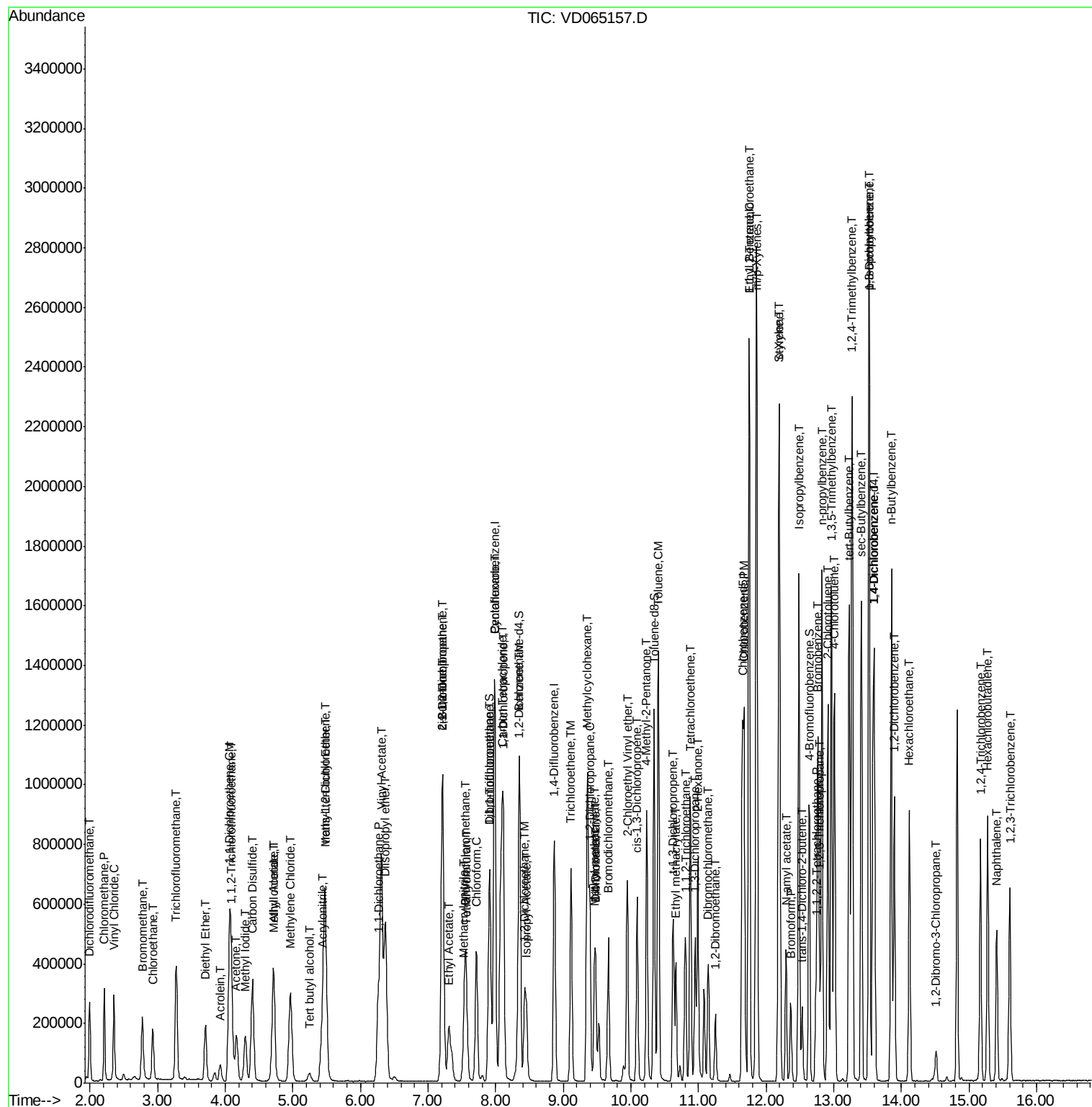
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD021220\
 Data File : VD065157.D
 Acq On : 12 Feb 2020 10:15
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

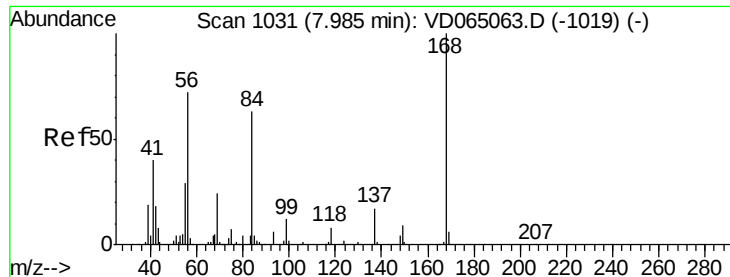
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/13/2020 10:58:51 AM

Quant Time: Feb 13 06:07:39 2020
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 489713

Ion Ratio Lower Upper

168 100

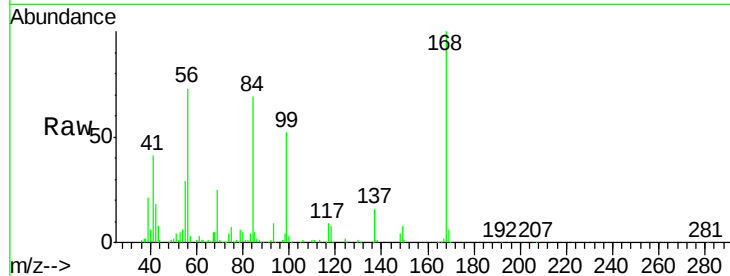
99 52.1 41.0 61.6

Manual Integrations

APPROVED

MMDadoda

2/13/2020 10:58:51 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

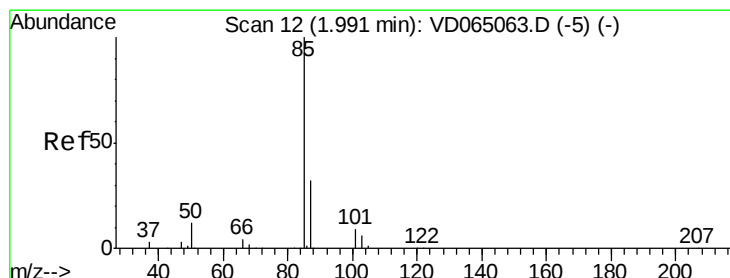
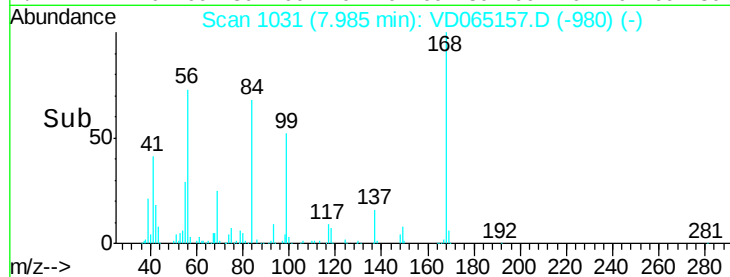
100000

50000

0

7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 51.425 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065157.D

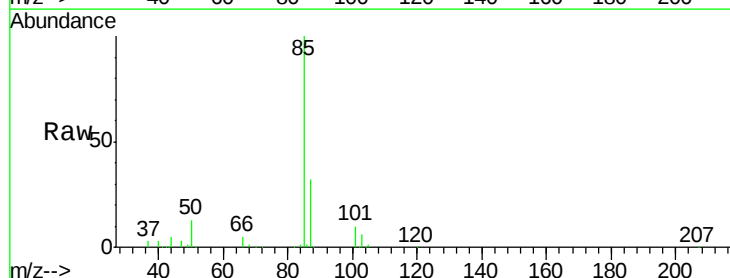
Acq: 12 Feb 2020 10:15

Tgt Ion: 85 Resp: 209570

Ion Ratio Lower Upper

85 100

87 32.0 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

150000

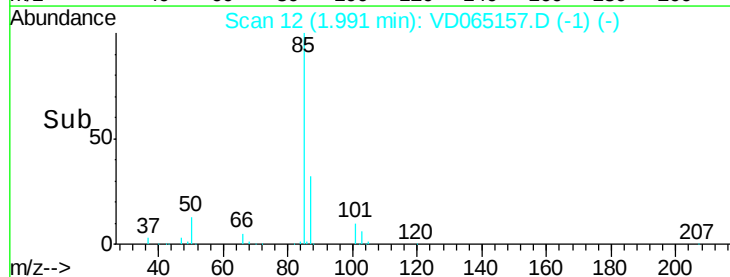
100000

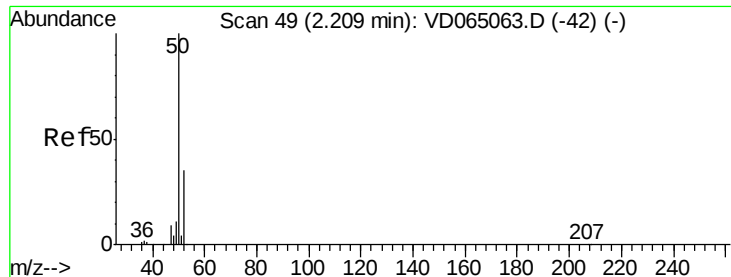
50000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 53.047 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 254477

Ion Ratio Lower Upper

50 100

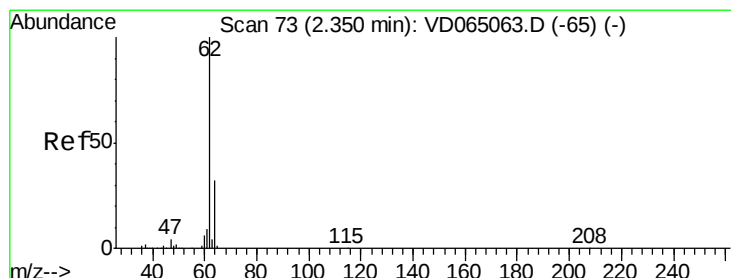
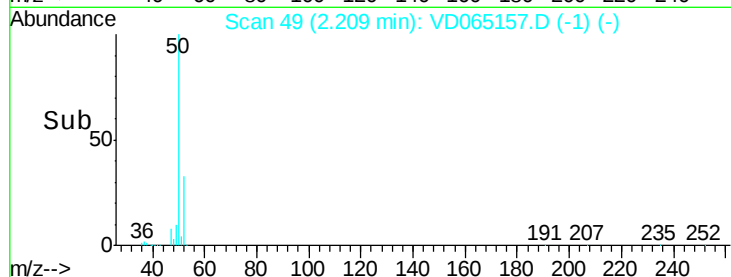
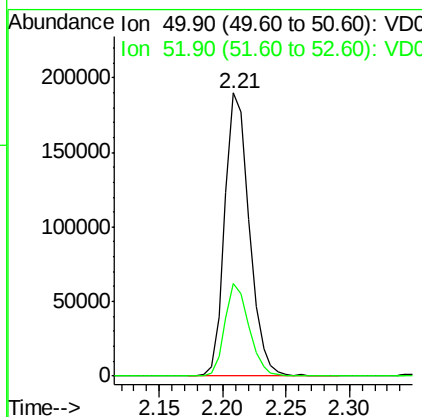
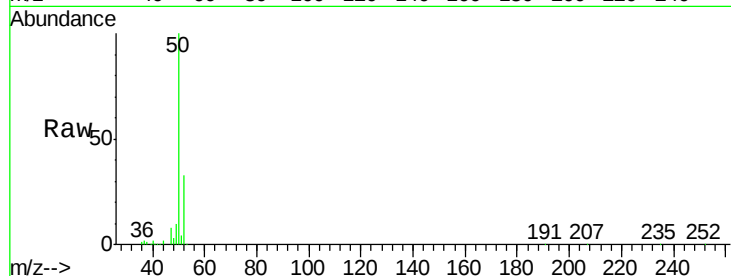
52 32.7 27.8 41.6

Manual Integrations

APPROVED

MMDadoda

2/13/2020 10:58:51 AM



#4

Vinyl Chloride

Concen: 53.910 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065157.D

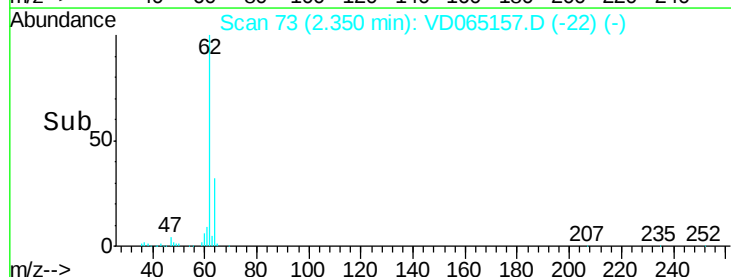
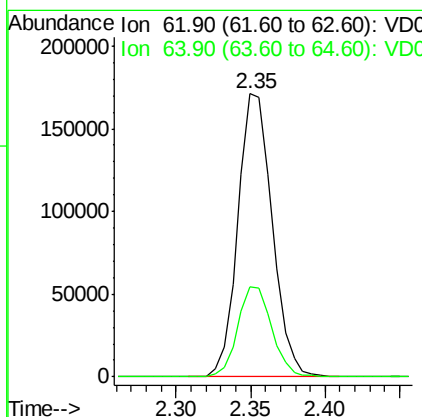
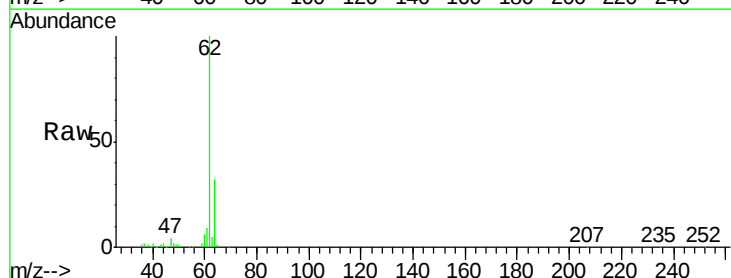
Acq: 12 Feb 2020 10:15

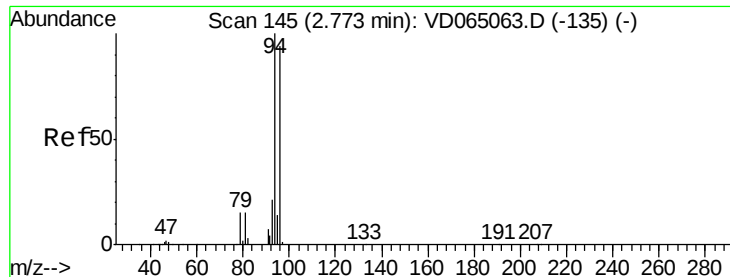
Tgt Ion: 62 Resp: 273508

Ion Ratio Lower Upper

62 100

64 31.8 25.9 38.9





#5

Bromomethane

Concen: 48.955 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 161042

Ion Ratio Lower Upper

94 100

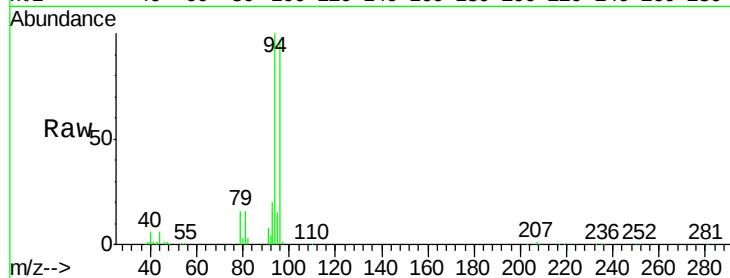
96 96.8 75.4 113.0

Manual Integrations

APPROVED

MMDadoda

2/13/2020 10:58:51 AM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

80000

60000

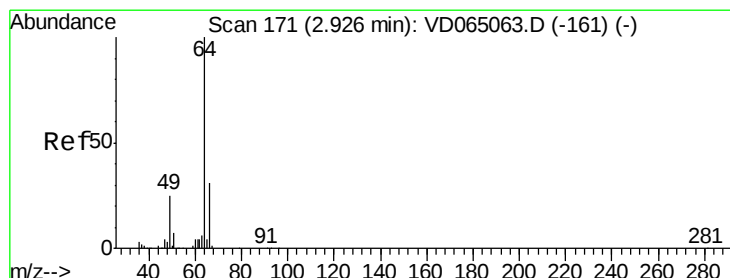
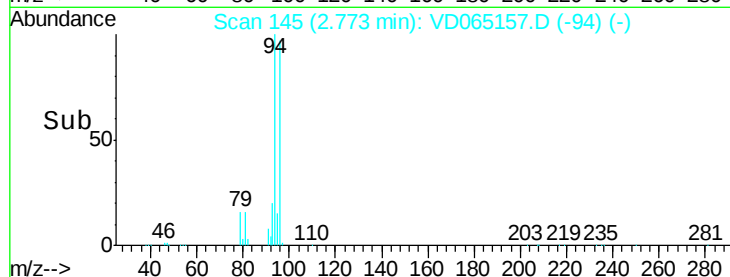
40000

20000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 53.416 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065157.D

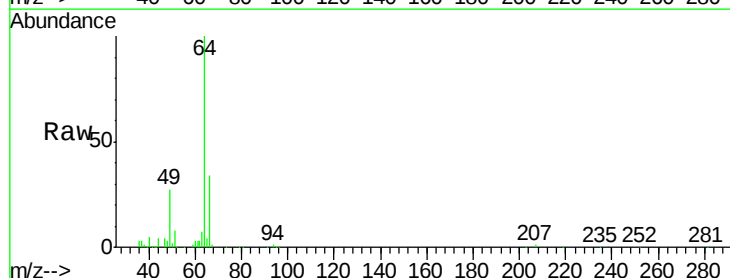
Acq: 12 Feb 2020 10:15

Tgt Ion: 64 Resp: 168105

Ion Ratio Lower Upper

64 100

66 33.6 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

80000

60000

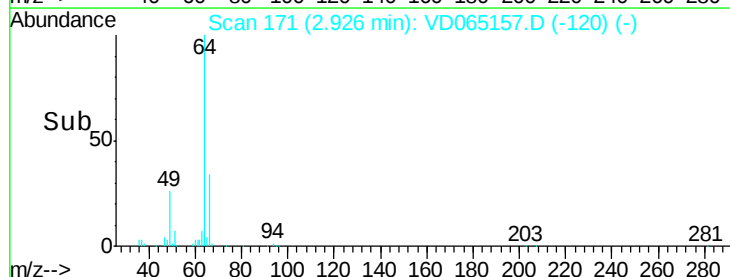
40000

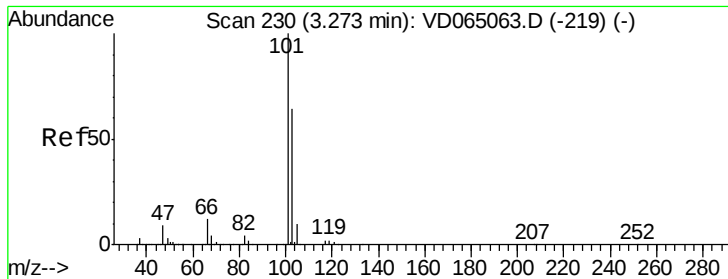
20000

0

Time-->

2.80 2.90 3.00





#7

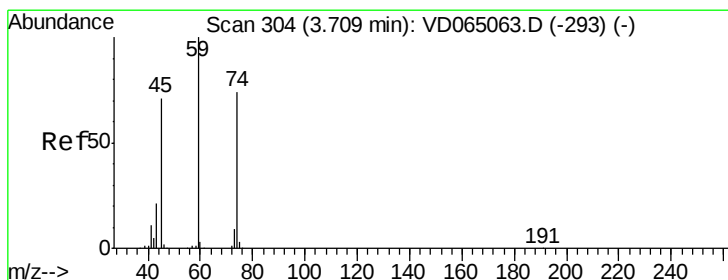
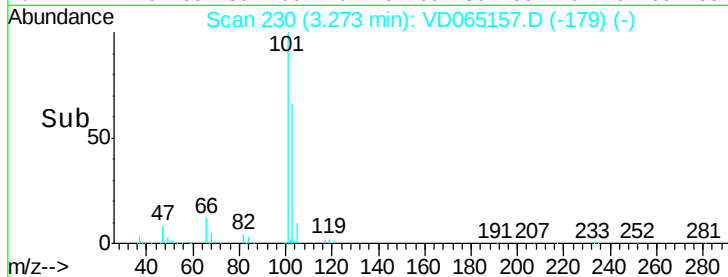
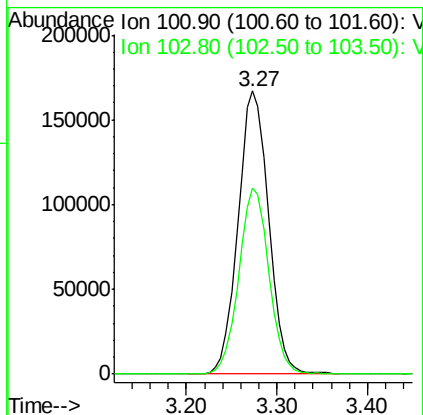
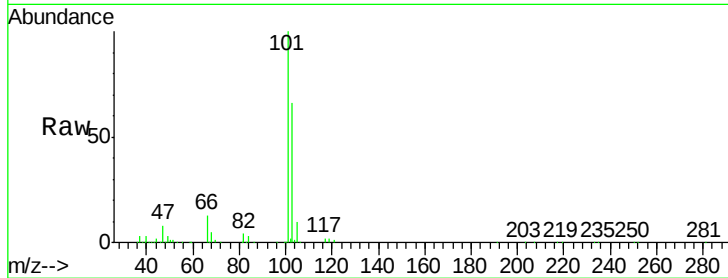
Trichlorofluoromethane
 Concen: 53.002 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065157.D
 Acq: 12 Feb 2020 10:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	51.0	76.6

Manual Integrations
 APPROVED

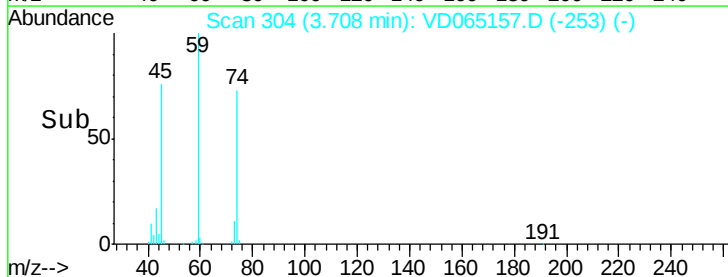
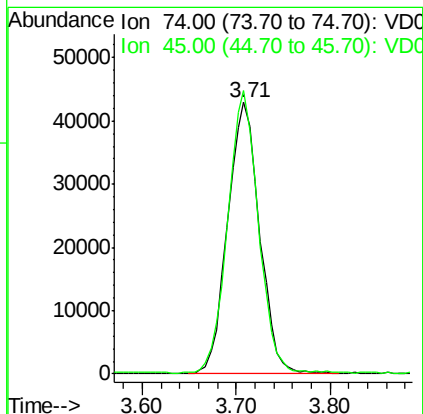
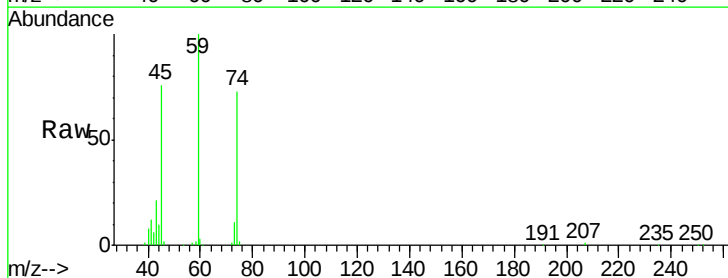
MMDadoda
 2/13/2020 10:58:51 AM

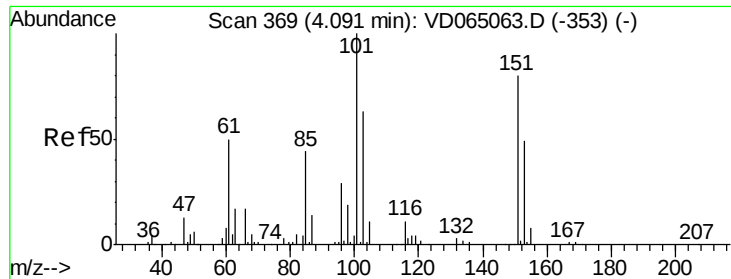


#8

Diethyl Ether
 Concen: 47.919 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065157.D
 Acq: 12 Feb 2020 10:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.3	49.0	147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.123 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

Instrument :

MSVOA_D

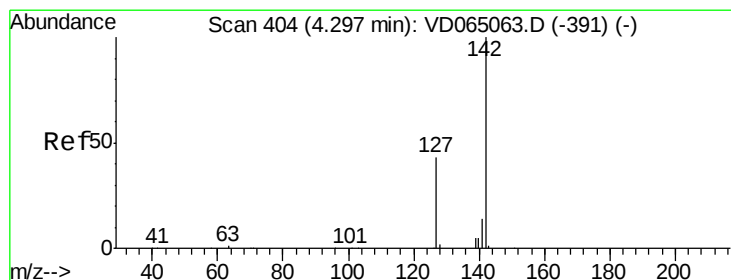
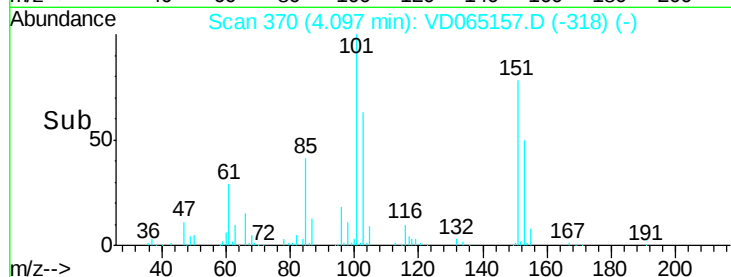
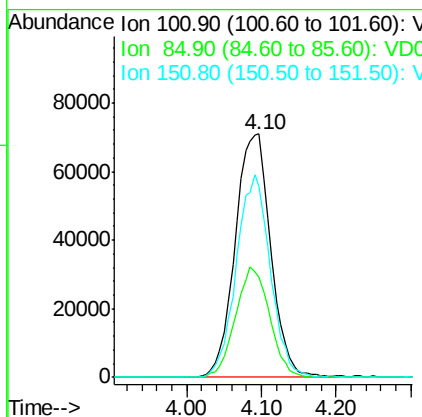
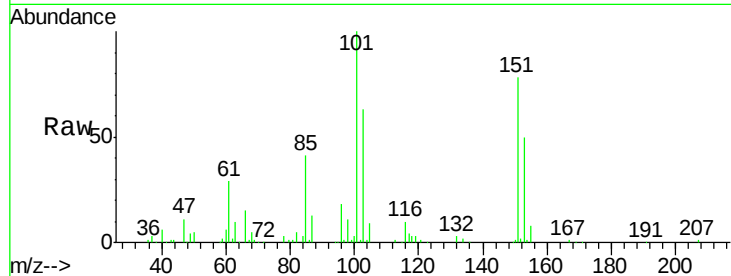
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	235259
Ion Ratio	Lower	Upper	
101	100		
85	43.3	34.0	51.0
151	79.3	64.0	96.0

Manual Integrations
APPROVED

MMDadoda
2/13/2020 10:58:51 AM



#10

Methyl Iodide

Concen: 49.740 ug/l

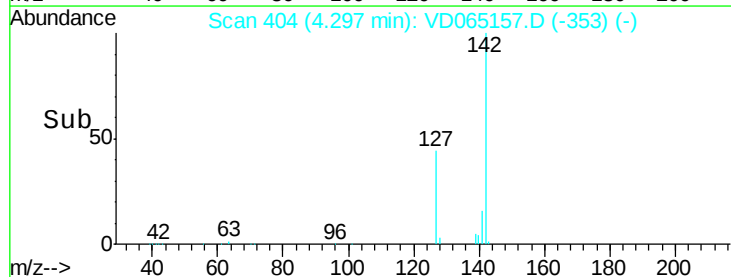
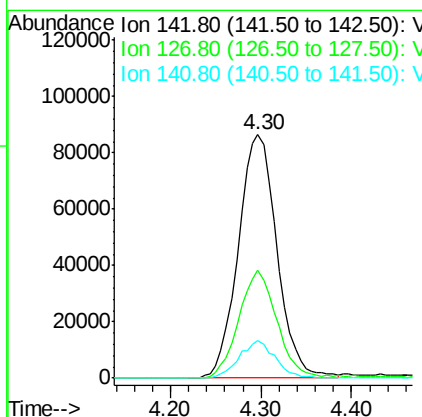
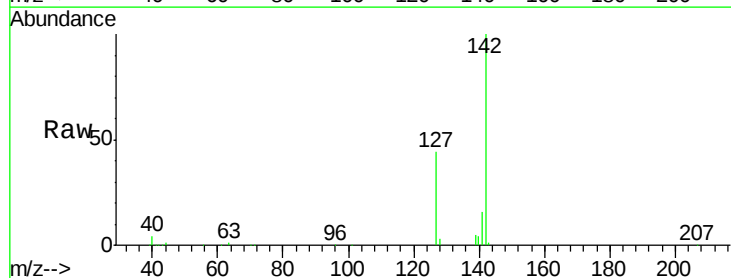
RT: 4.30 min Scan# 404

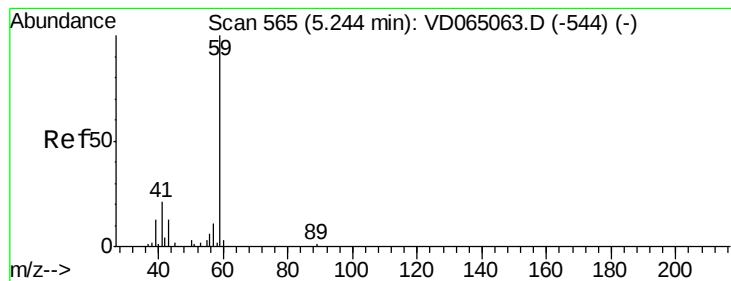
Delta R.T. -0.00 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

Tgt Ion:	142	Resp:	256246
Ion Ratio	Lower	Upper	
142	100		
127	44.2	34.0	51.0
141	14.4	11.6	17.4





#11

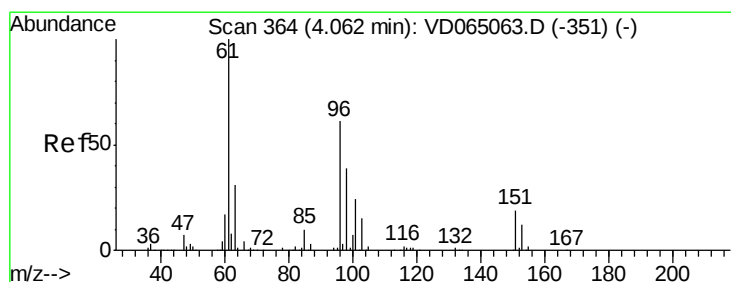
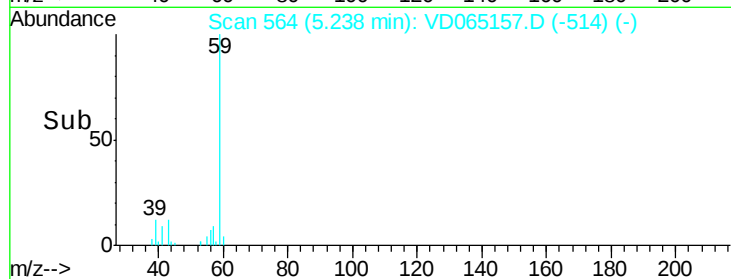
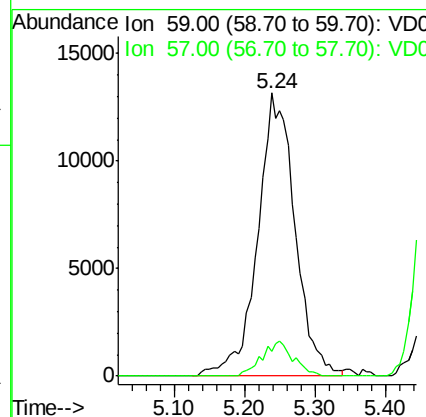
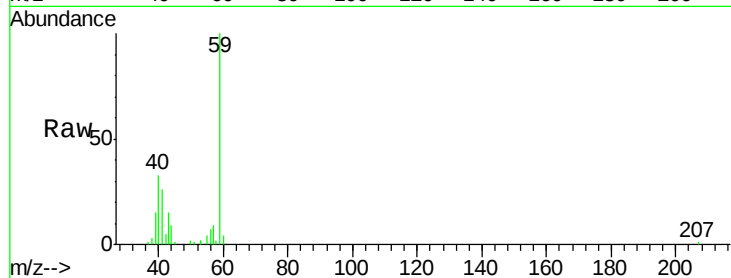
Tert butyl alcohol
Concen: 190.526 ug/l
RT: 5.24 min Scan# 564
Delta R.T. -0.01 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	48451
Ion Ratio	100	Lower	Upper
57	10.4	8.8	13.2

Manual Integrations
APPROVED

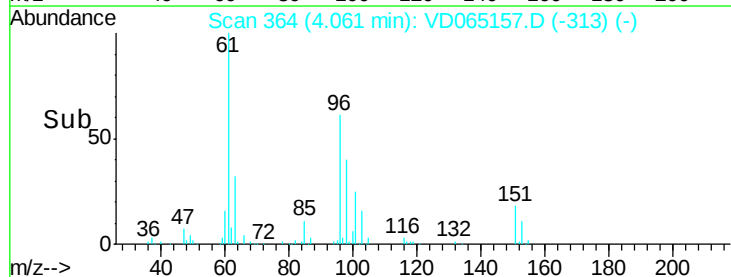
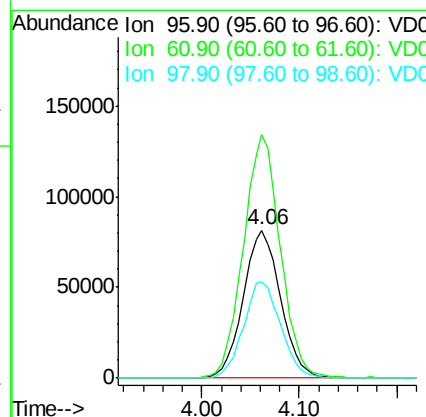
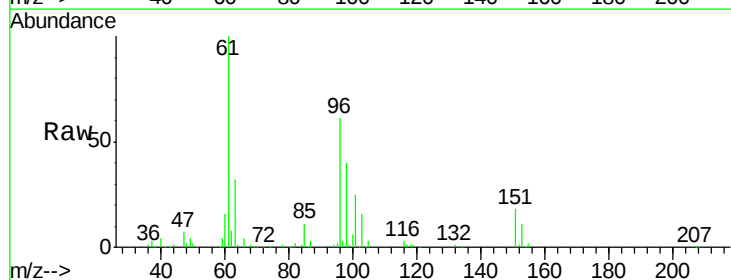
MMDadoda
2/13/2020 10:58:51 AM



#12

1,1-Dichloroethene
Concen: 50.450 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Tgt Ion	96	Resp	218085
Ion Ratio	100	Lower	Upper
61	164.8	131.4	197.2
98	65.4	51.1	76.7





#13

Acrolein

Concen: 214.407 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 67063

Ion Ratio Lower Upper

56 100

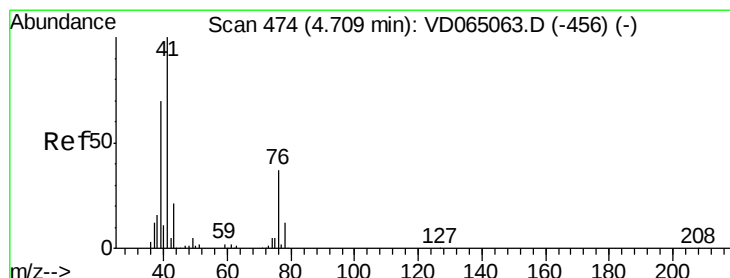
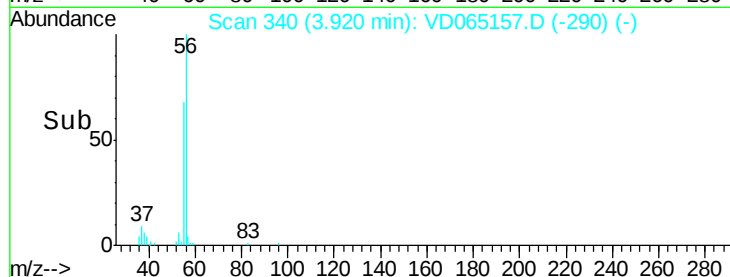
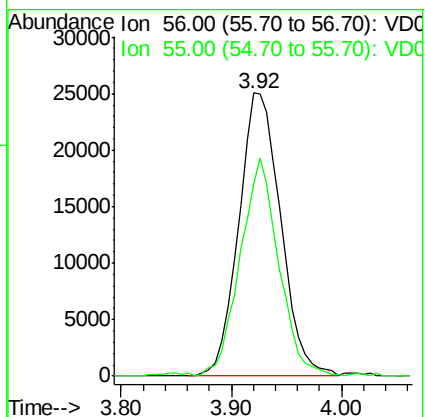
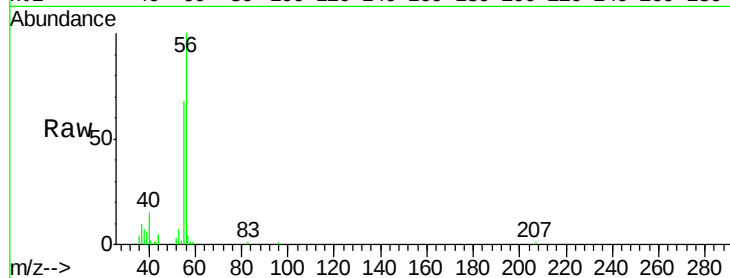
55 70.6 58.2 87.2

Manual Integrations

APPROVED

MMDadoda

2/13/2020 10:58:51 AM



#14

Allyl chloride

Concen: 49.600 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

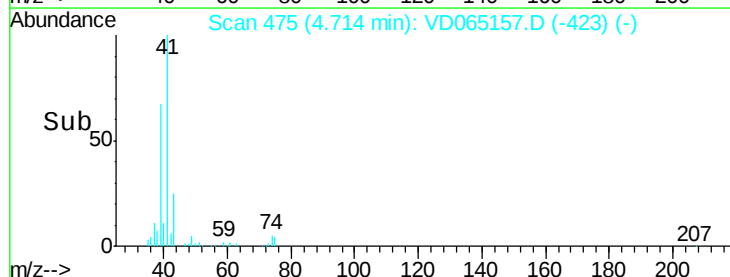
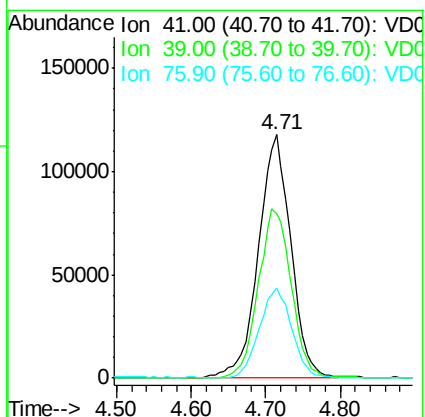
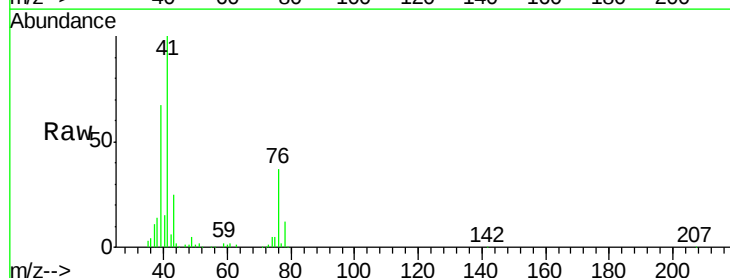
Tgt Ion: 41 Resp: 356344

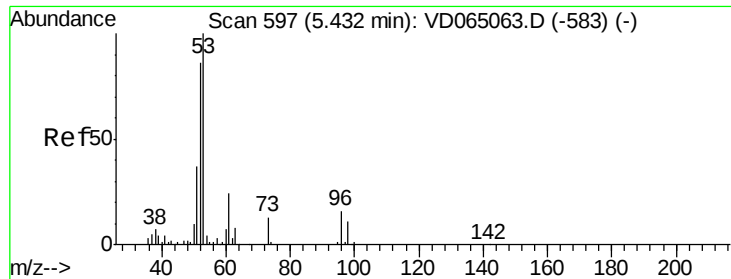
Ion Ratio Lower Upper

41 100

39 70.8 57.1 85.7

76 36.7 28.0 42.0





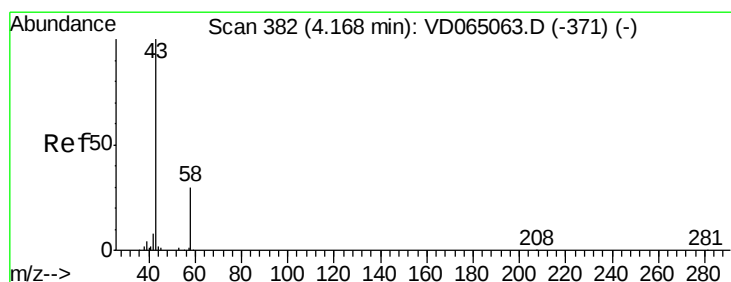
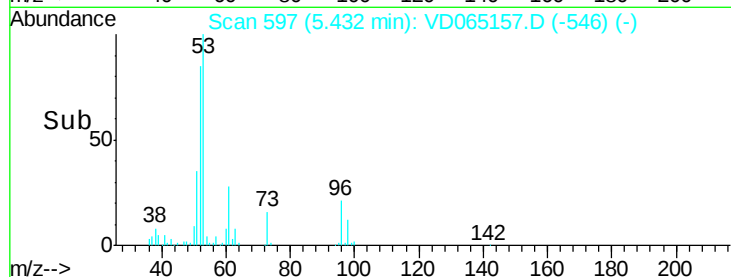
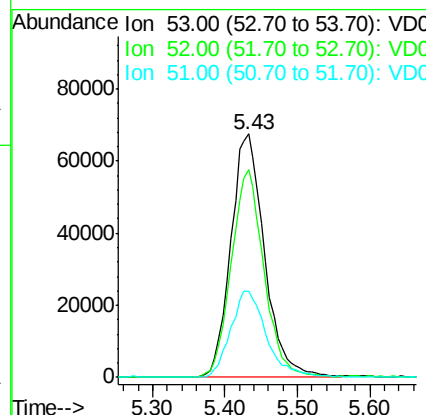
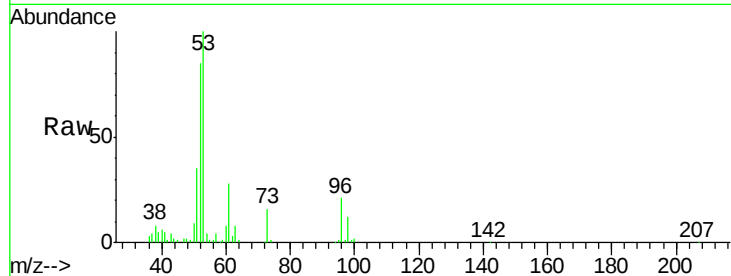
#15
 Acrylonitrile
 Concen: 235.720 ug/l
 RT: 5.43 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VD065157.D
 Acq: 12 Feb 2020 10:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.2	99.2
51	37.6	30.4	45.6

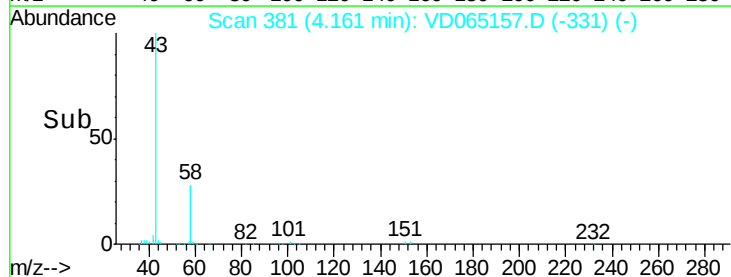
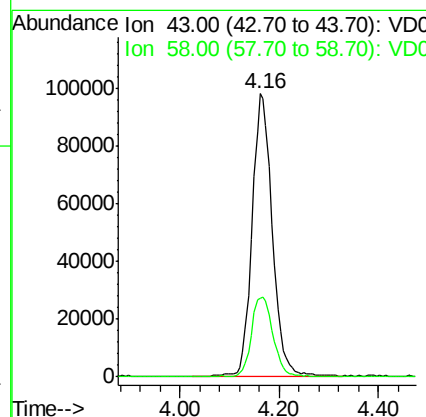
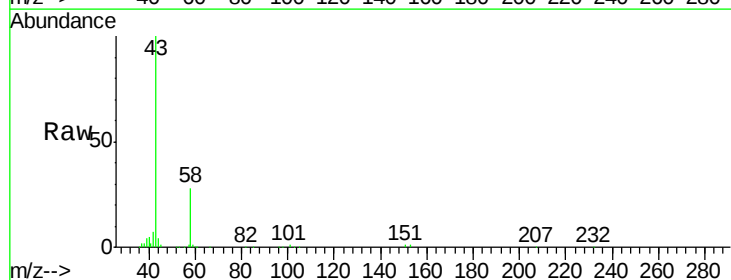
Manual Integrations
 APPROVED

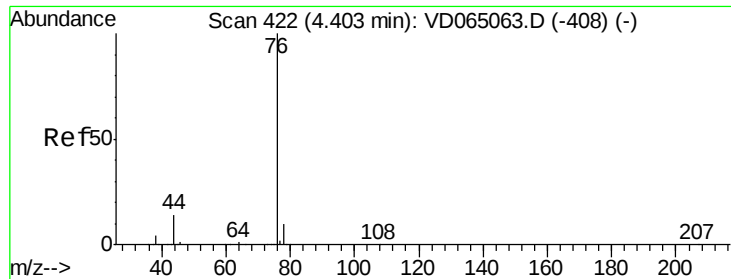
MMDadoda
 2/13/2020 10:58:51 AM



#16
 Acetone
 Concen: 268.662 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VD065157.D
 Acq: 12 Feb 2020 10:15

Tgt Ion	Ratio	Lower	Upper
43	100		
58	27.7	23.5	35.3





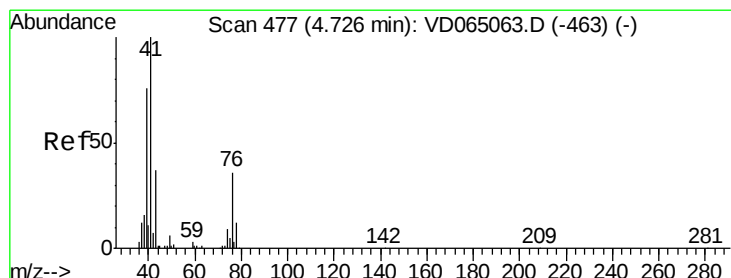
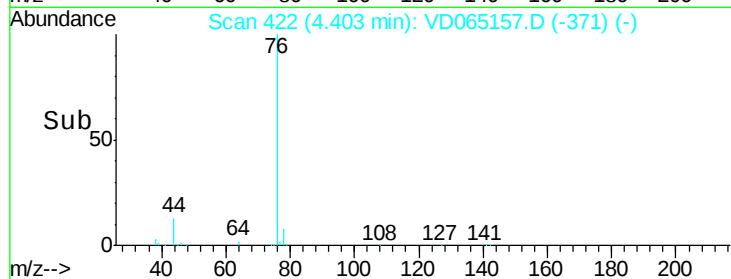
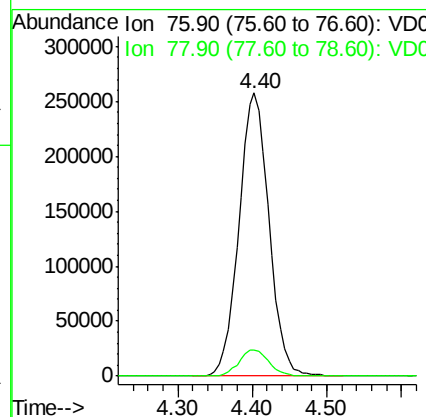
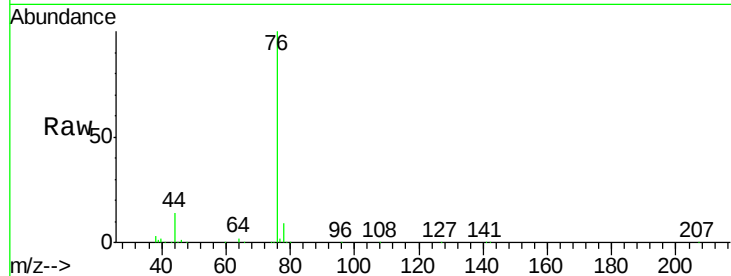
#17
Carbon Disulfide
Concen: 51.897 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.6	11.4

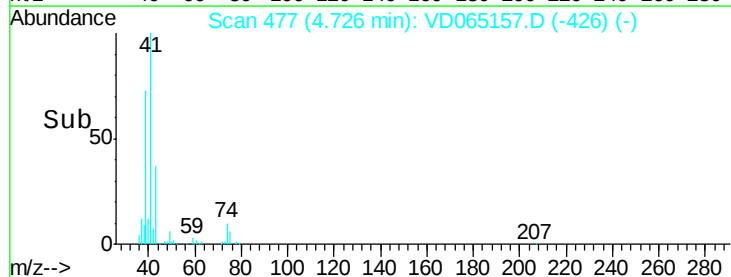
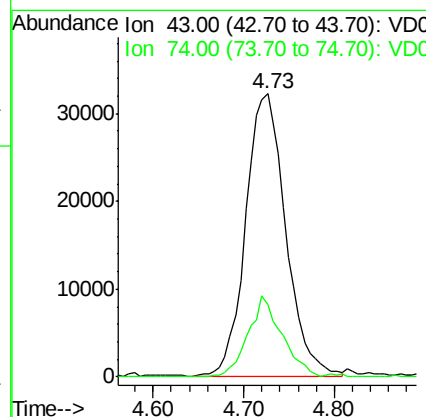
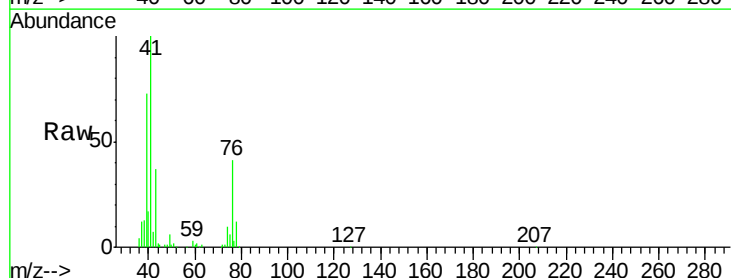
Manual Integrations
APPROVED

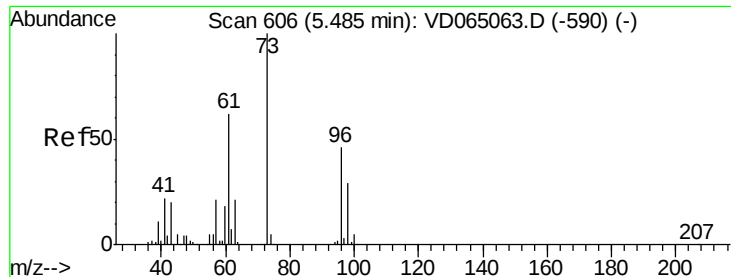
MMDadoda
2/13/2020 10:58:51 AM



#18
Methyl Acetate
Concen: 45.805 ug/l
RT: 4.73 min Scan# 477
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	18.7	28.1





#19

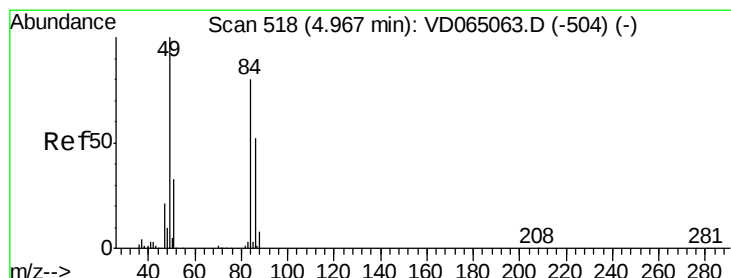
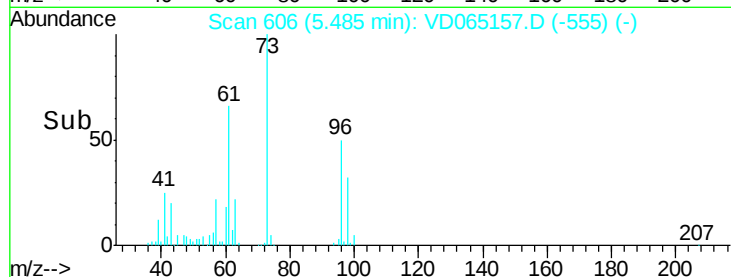
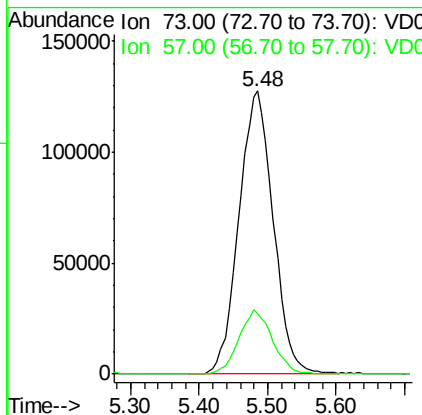
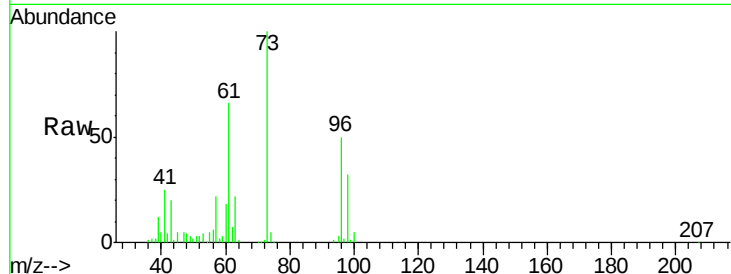
Methyl tert-butyl Ether
 Concen: 46.274 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD065157.D
 Acq: 12 Feb 2020 10:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 73 Resp: 442344
 Ion Ratio Lower Upper
 73 100
 57 21.6 16.8 25.2

Manual Integrations
 APPROVED

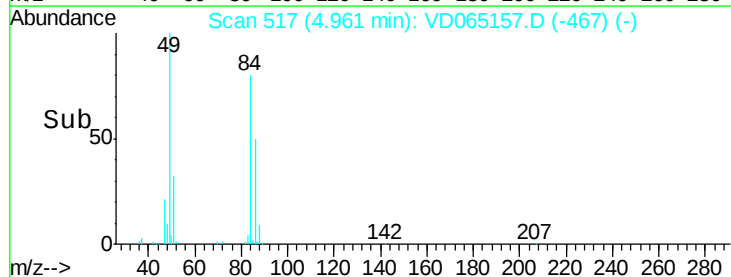
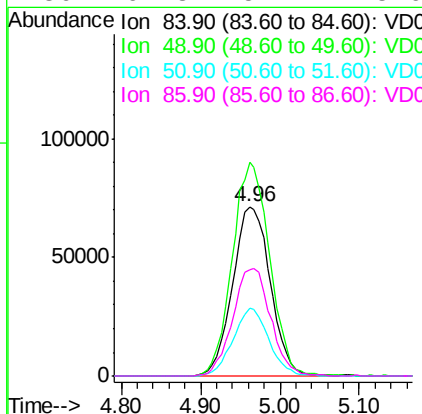
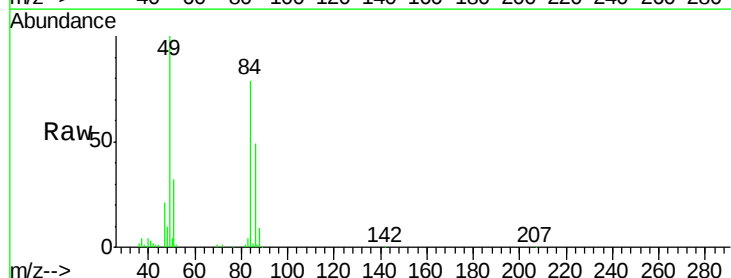
MMDadoda
 2/13/2020 10:58:51 AM

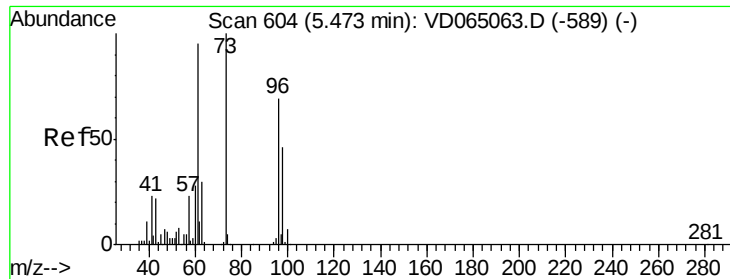


#20

Methylene Chloride
 Concen: 51.497 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD065157.D
 Acq: 12 Feb 2020 10:15

Tgt Ion: 84 Resp: 235418
 Ion Ratio Lower Upper
 84 100
 49 126.0 100.4 150.6
 51 40.0 32.7 49.1
 86 62.3 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 51.681 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

Instrument :

MSVOA_D

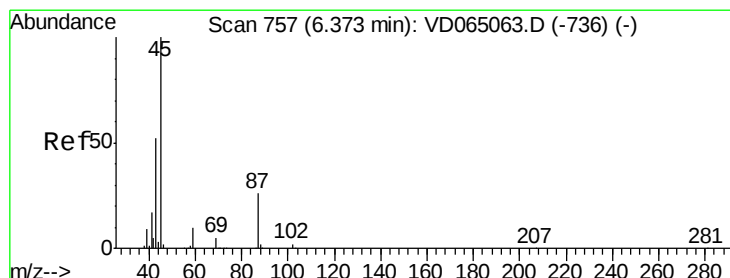
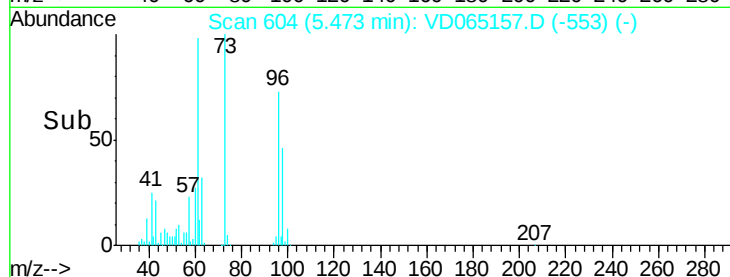
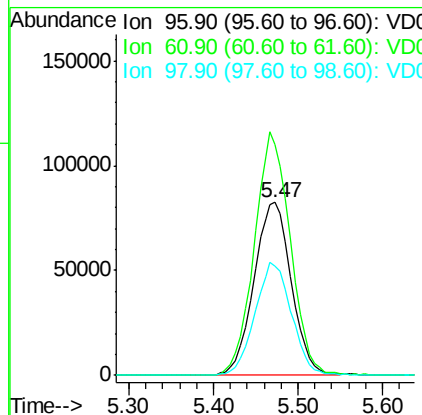
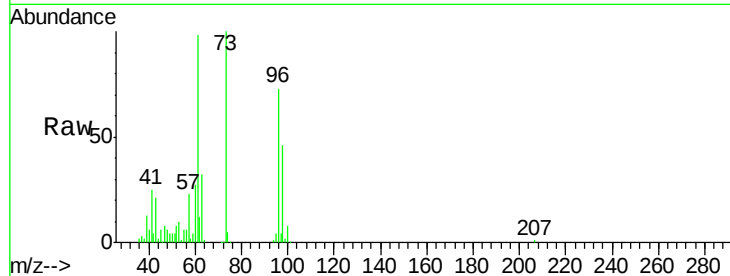
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	252759
Ion	Ratio	Lower	Upper
96	100		
61	133.8	109.5	164.3
98	63.3	53.7	80.5

Manual Integrations
APPROVED

MMDadoda
2/13/2020 10:58:51 AM



#22

Diisopropyl ether

Concen: 51.469 ug/l

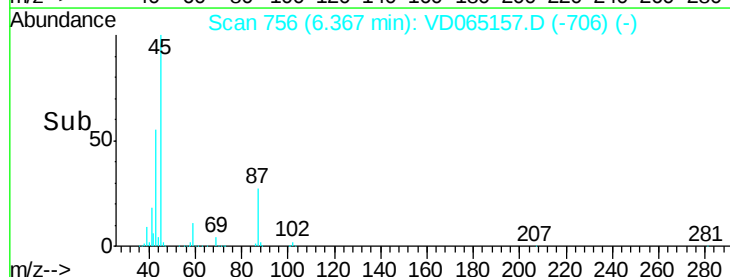
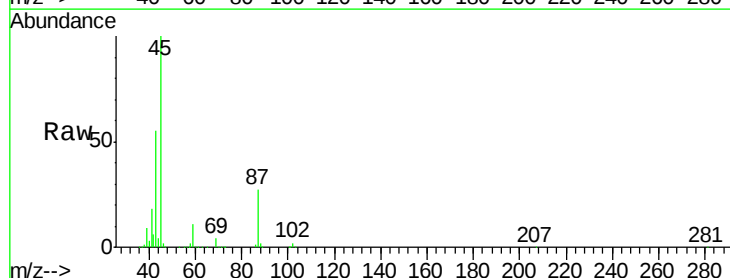
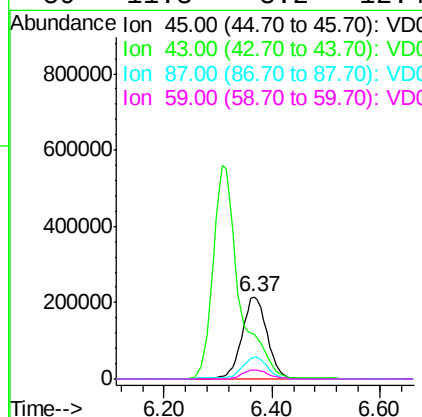
RT: 6.37 min Scan# 756

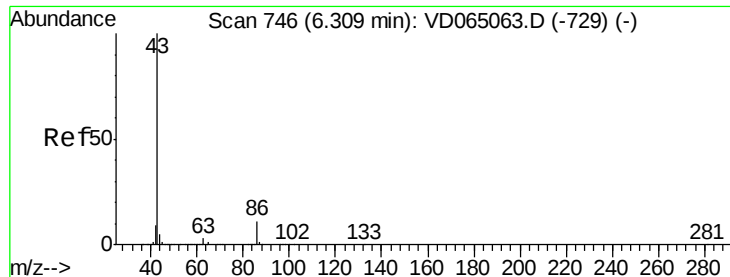
Delta R.T. -0.01 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

Tgt Ion:	45	Resp:	697477
Ion	Ratio	Lower	Upper
45	100		
43	54.1	41.3	61.9
87	26.5	21.0	31.6
59	11.3	8.2	12.4





#23

Vinyl Acetate

Concen: 249.703 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

Tot Ion: 43 Resp: 1886085

Ion Ratio Lower Upper

43 100

86 10.3 8.5 12.7

Instrument :

MSVOA_D

ClientSampleId :

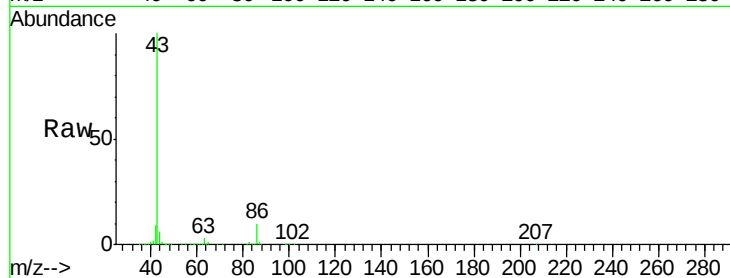
VSTDCCC050

Manual Integrations

APPROVED

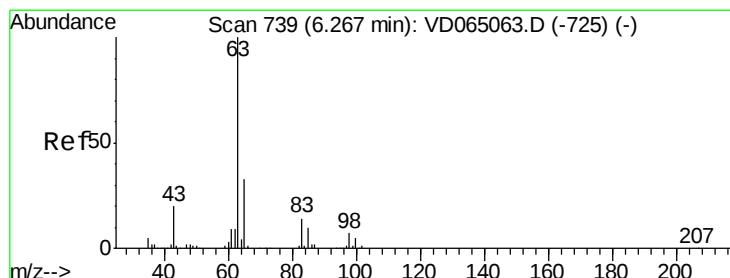
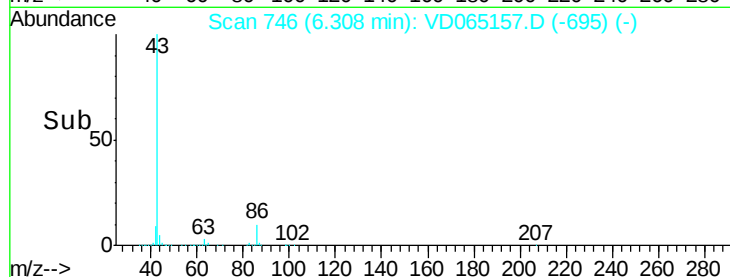
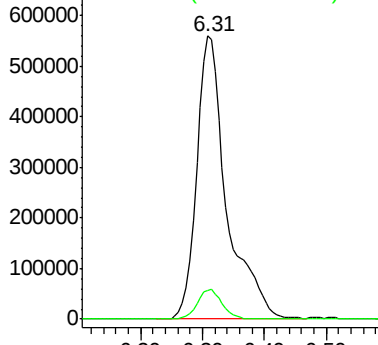
MMDadoda

2/13/2020 10:58:51 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 52.218 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

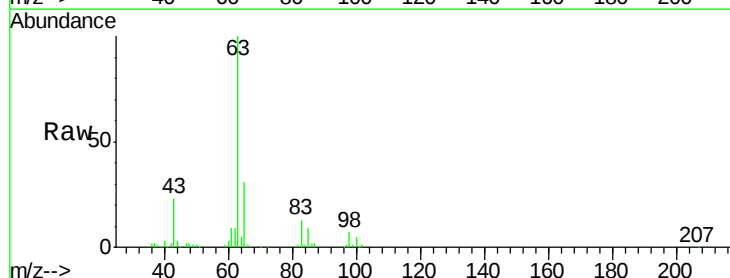
Tgt Ion: 63 Resp: 428316

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.4

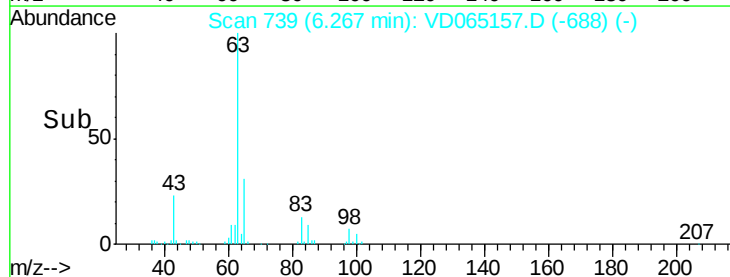
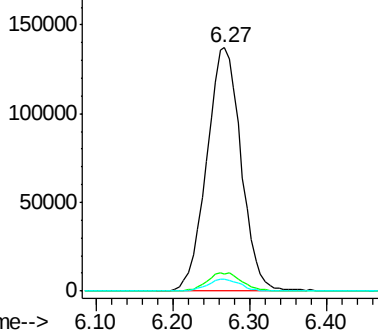
100 5.0 2.5 7.6

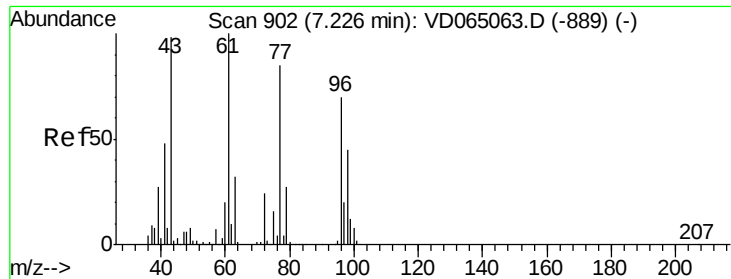


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





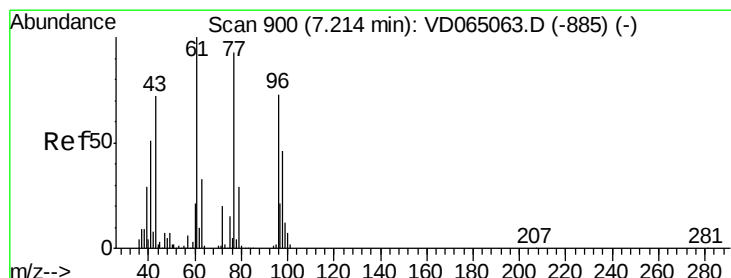
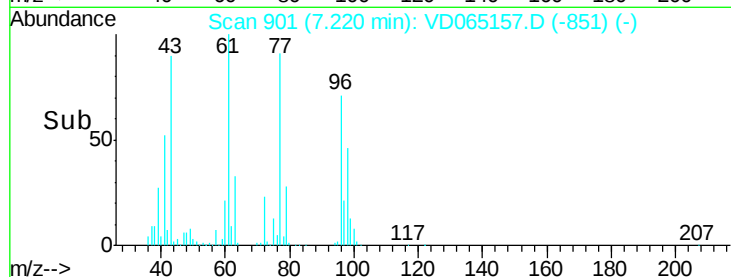
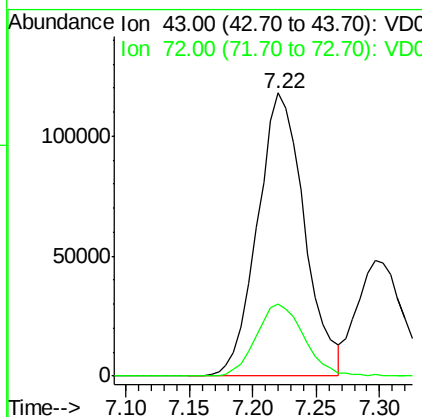
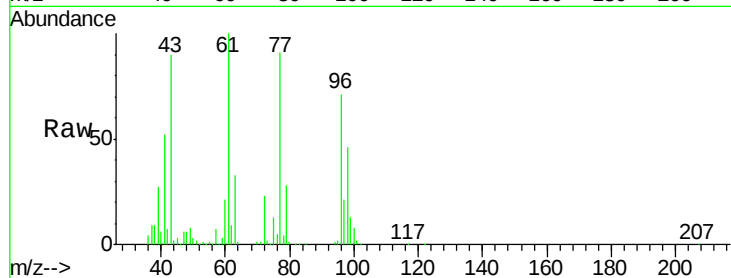
#25
2-Butanone
Concen: 244.461 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.01 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	303447
Ion	Ratio	Lower	Upper
43	100		
72	25.6	19.9	29.9

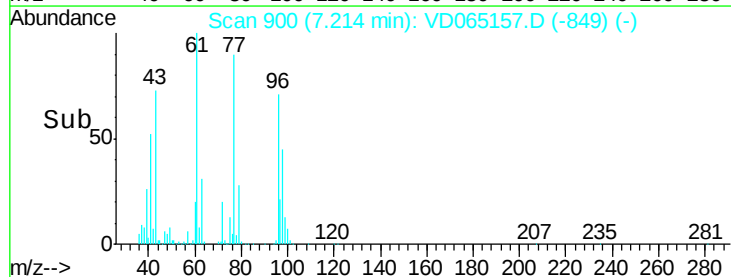
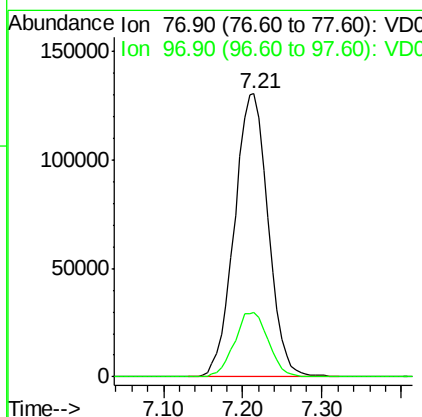
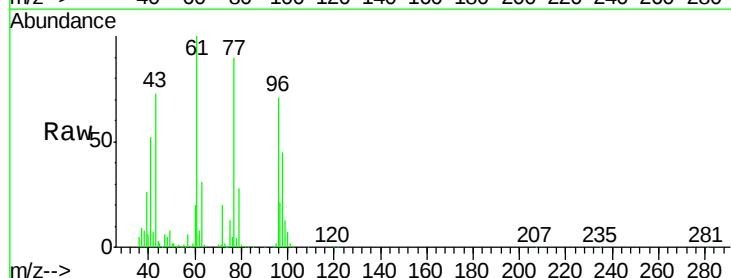
Manual Integrations
APPROVED

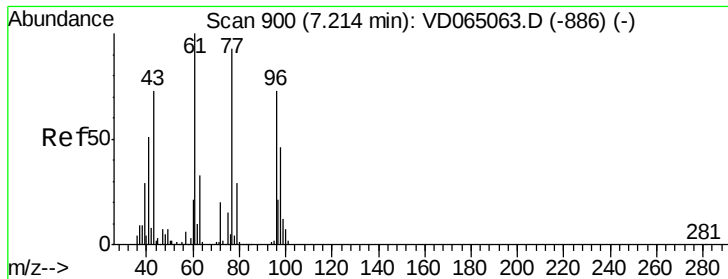
MMDadoda
2/13/2020 10:58:51 AM



#26
2,2-Dichloropropane
Concen: 52.521 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Tgt Ion	77	Resp	386139
Ion	Ratio	Lower	Upper
77	100		
97	22.9	10.9	32.6





#27

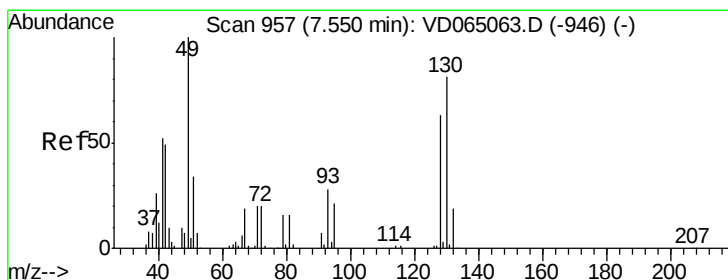
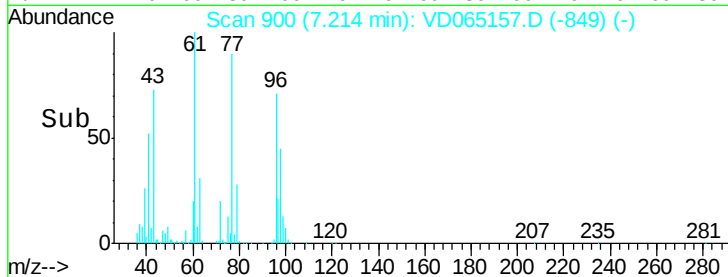
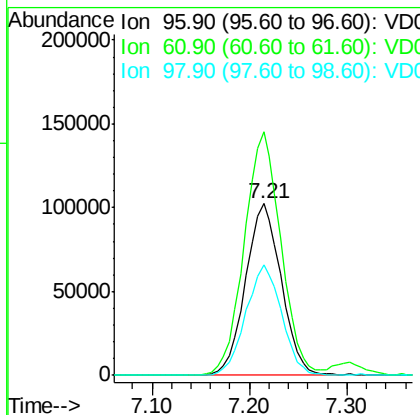
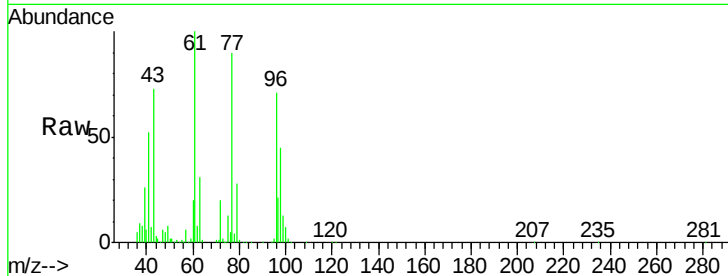
cis-1,2-Dichloroethene
 Concen: 50.722 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065157.D
 Acq: 12 Feb 2020 10:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.7	0.0	292.8
98	64.5	0.0	128.8

Manual Integrations
 APPROVED

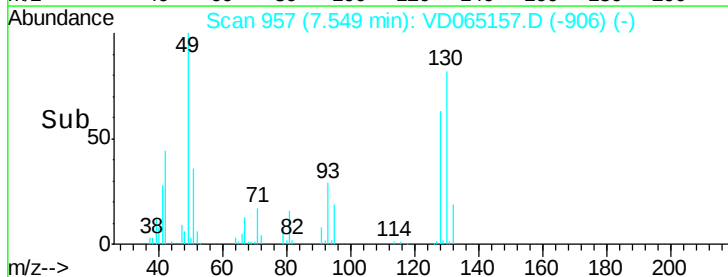
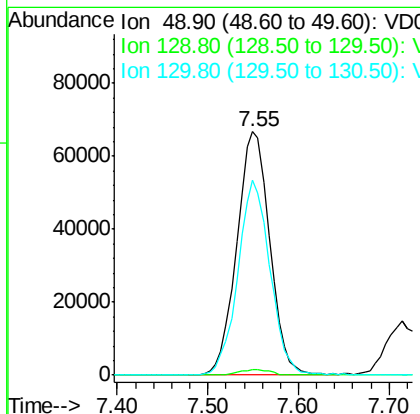
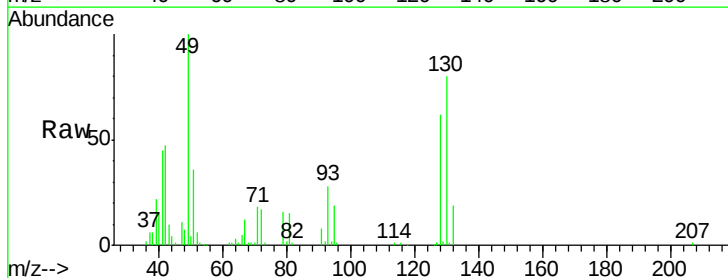
MMDadoda
 2/13/2020 10:58:51 AM

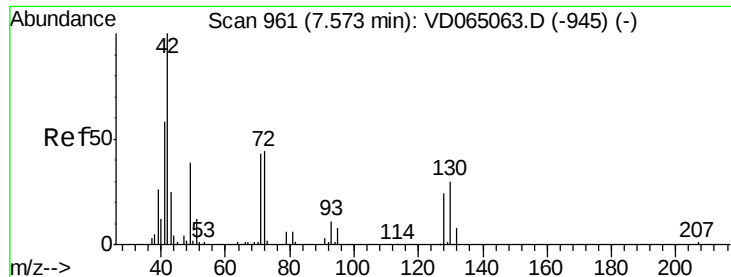


#28

Bromochloromethane
 Concen: 54.285 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065157.D
 Acq: 12 Feb 2020 10:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	78.1	63.8	95.8





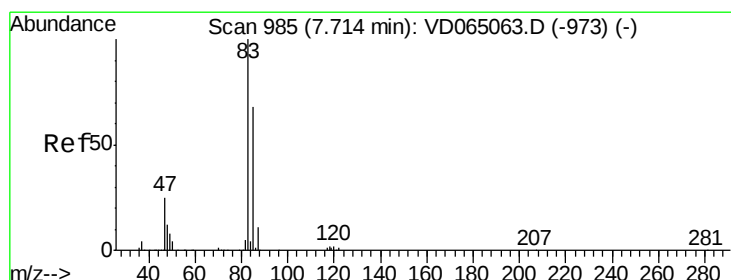
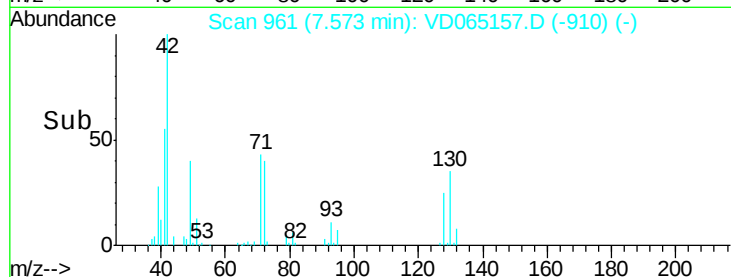
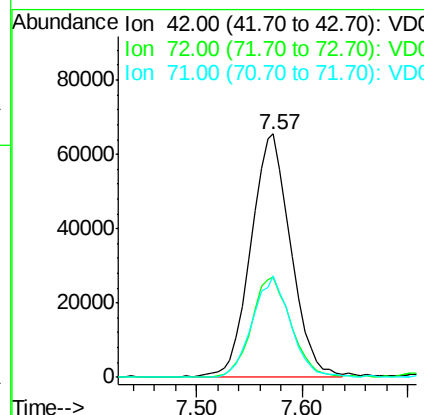
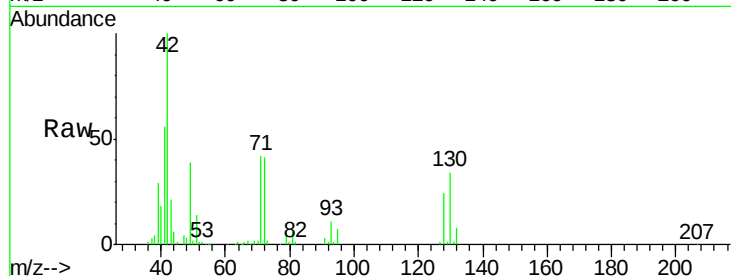
#29
Tetrahydrofuran
Concen: 229.210 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.9	34.2	51.4
71	39.8	31.8	47.6

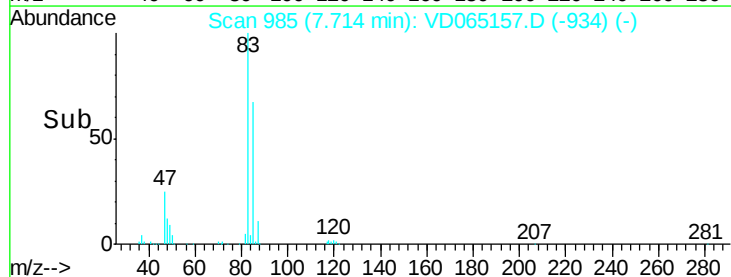
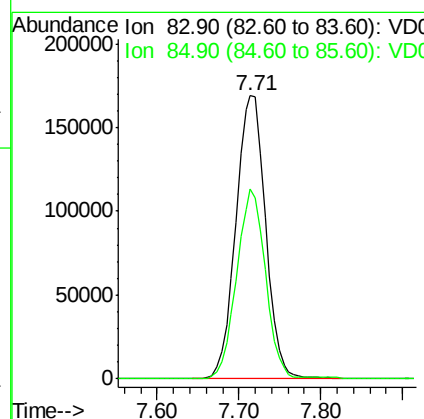
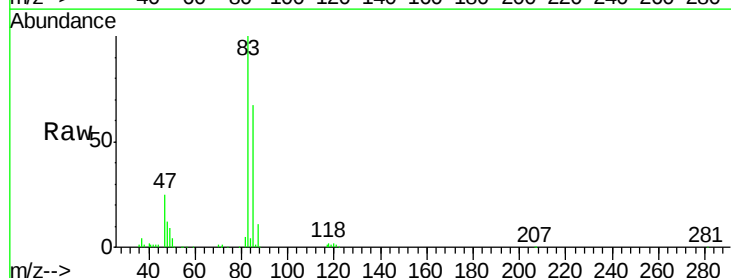
Manual Integrations
APPROVED

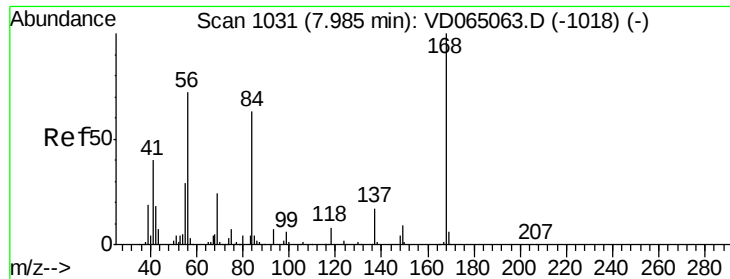
MMDadoda
2/13/2020 10:58:51 AM



#30
Chloroform
Concen: 52.490 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.1	54.2	81.4





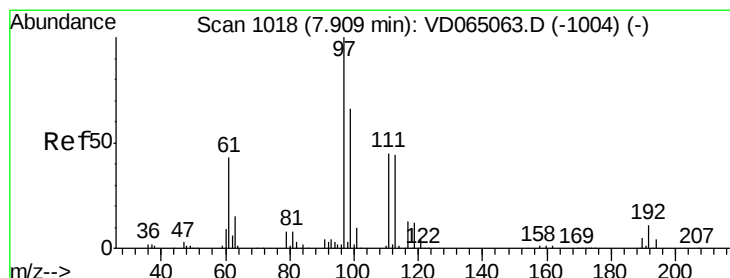
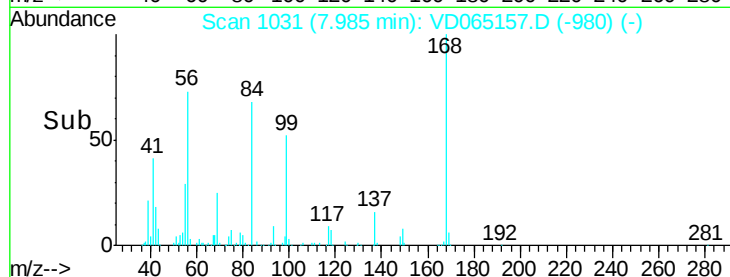
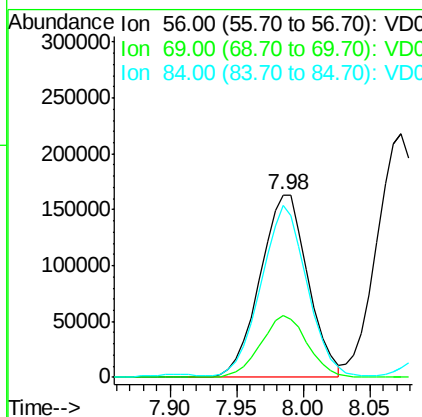
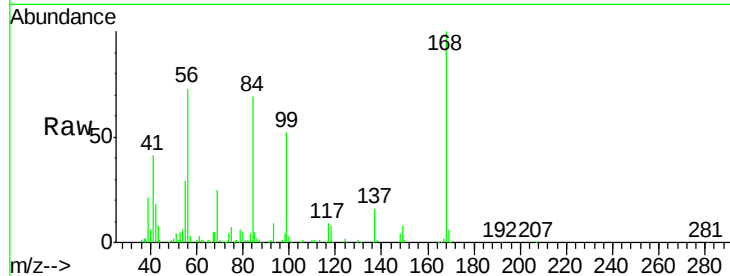
#31
Cyclohexane
Concen: 49.086 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	34.0	26.6	40.0	
84	92.7	70.6	106.0	

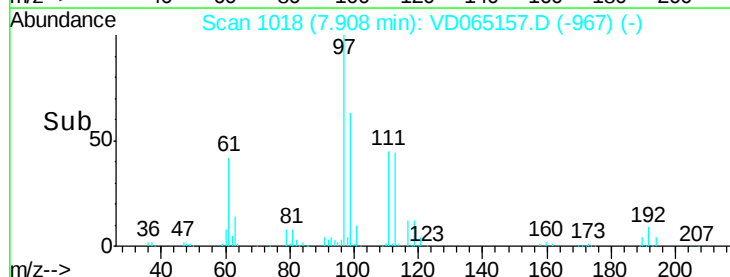
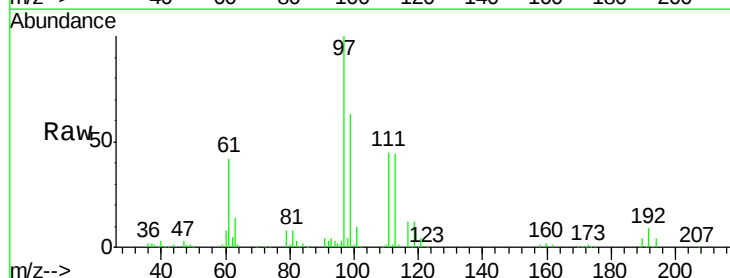
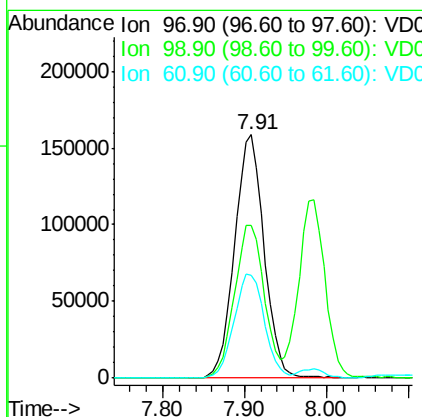
Manual Integrations
APPROVED

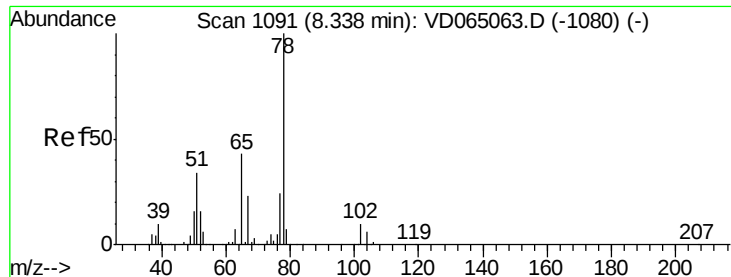
MMDadoda
2/13/2020 10:58:51 AM



#32
1,1,1-Trichloroethane
Concen: 52.475 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	63.5	51.5	77.3	
61	44.1	34.8	52.2	





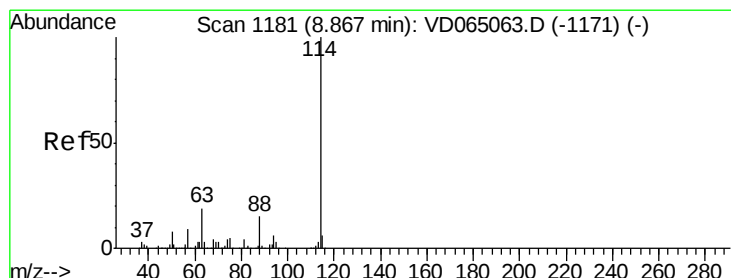
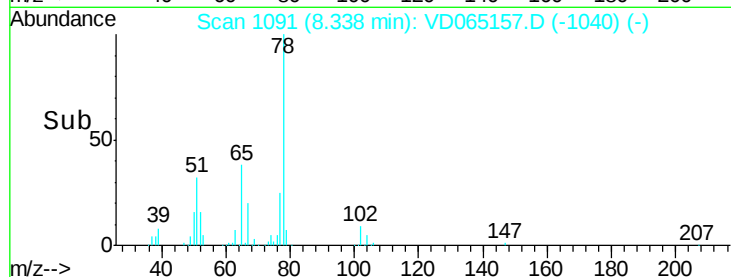
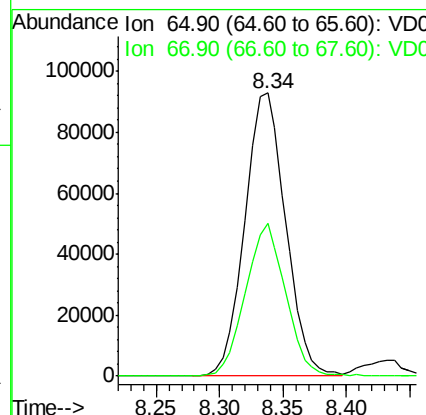
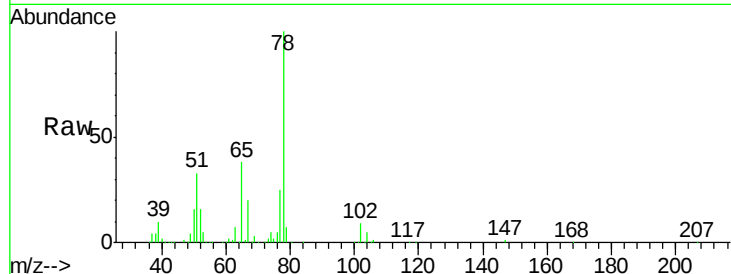
#33
 1,2-Dichloroethane-d4
 Concen: 50.043 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065157.D
 Acq: 12 Feb 2020 10:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	208285		
67	52.9	0.0	105.8	

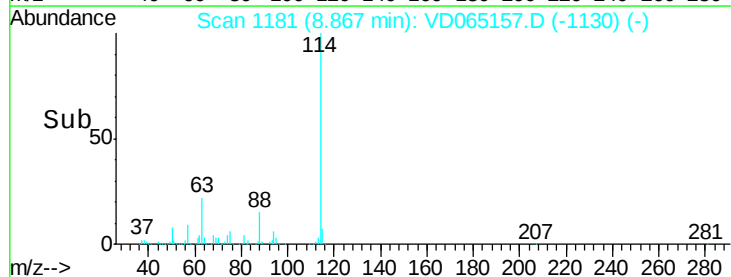
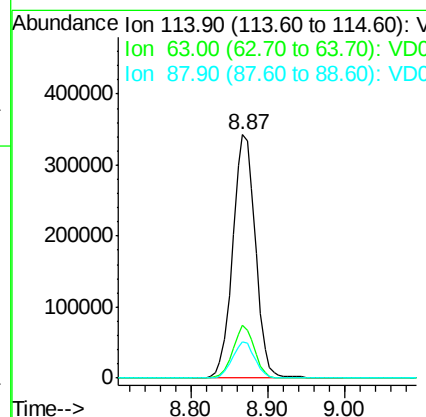
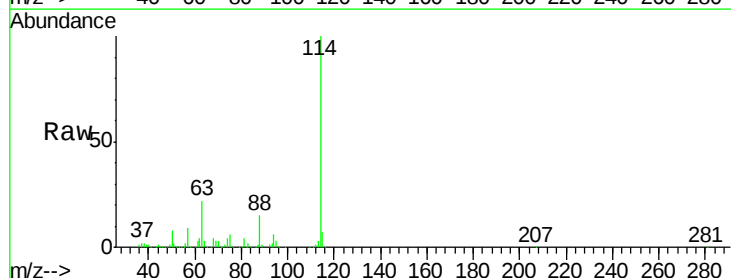
Manual Integrations
 APPROVED

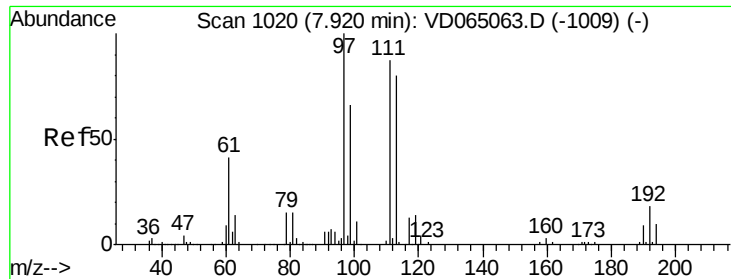
MMDadoda
 2/13/2020 10:58:51 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065157.D
 Acq: 12 Feb 2020 10:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	705245		
63	21.7	0.0	38.8	
88	15.1	0.0	29.6	





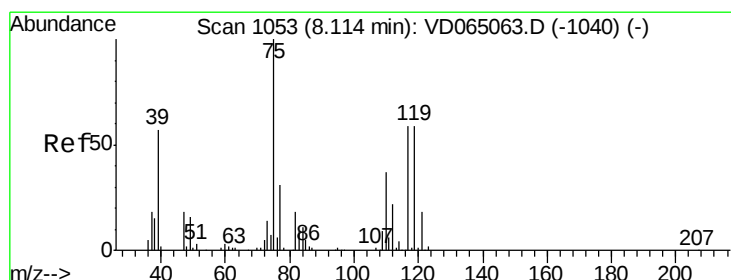
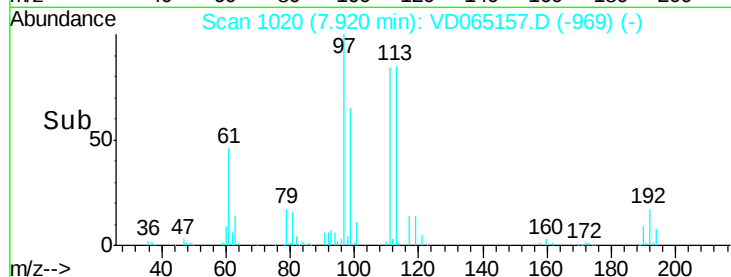
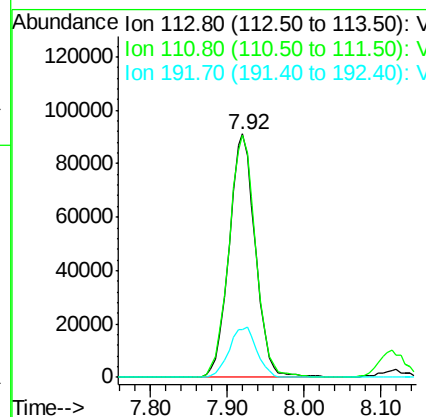
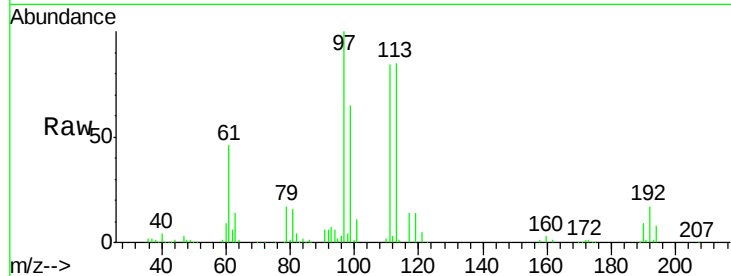
#35
 Dibromofluoromethane
 Concen: 54.795 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065157.D
 Acq: 12 Feb 2020 10:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	215609		
111	101.6	83.1	124.7	
192	21.7	18.1	27.1	

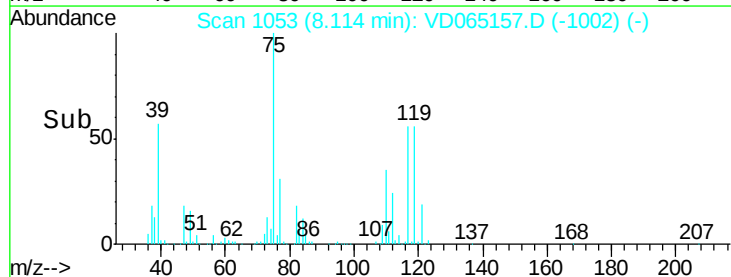
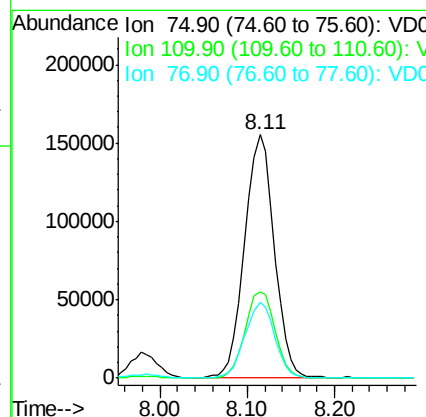
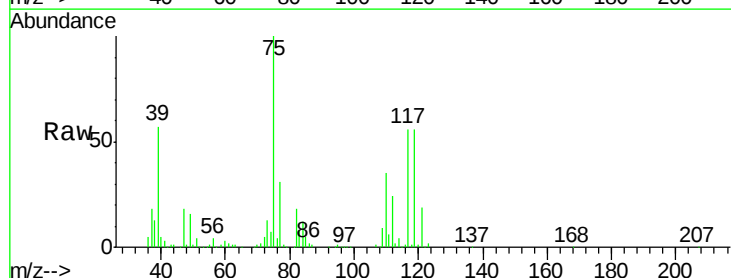
Manual Integrations
 APPROVED

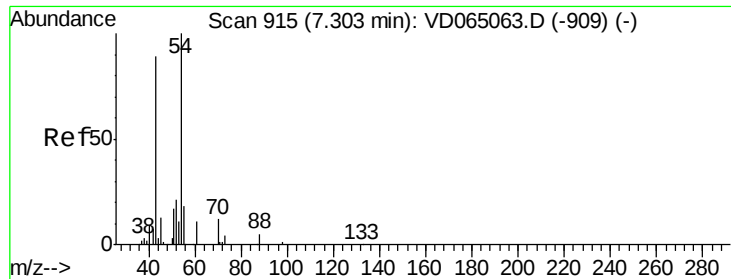
MMDadoda
 2/13/2020 10:58:51 AM



#36
 1,1-Dichloropropene
 Concen: 54.322 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065157.D
 Acq: 12 Feb 2020 10:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	356231		
110	36.0	18.1	54.3	
77	31.5	24.7	37.1	





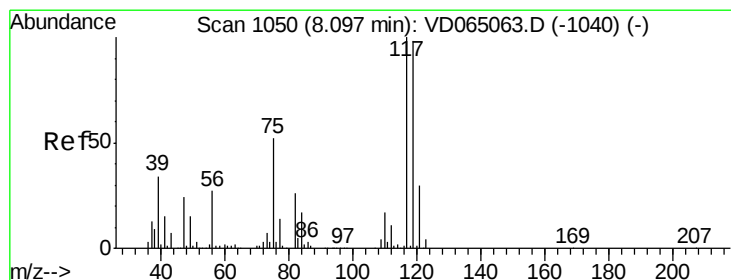
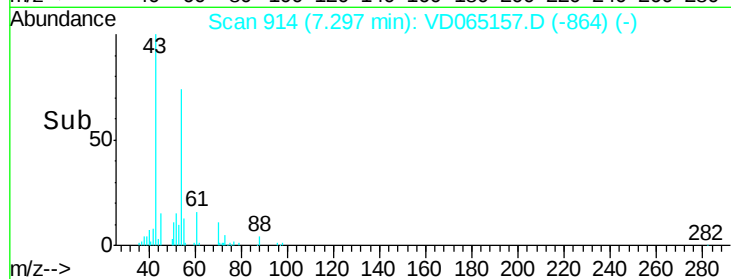
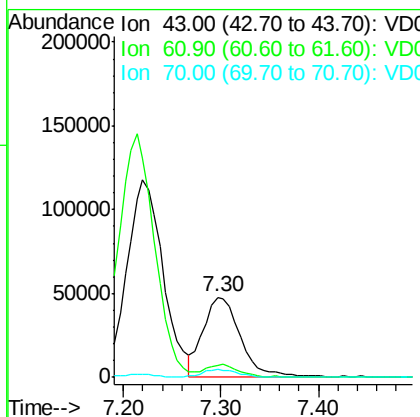
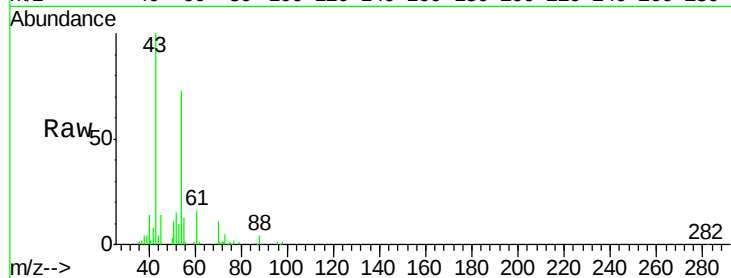
#37
Ethyl Acetate
Concen: 46.549 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.0	16.4
70	9.6	8.2	12.2

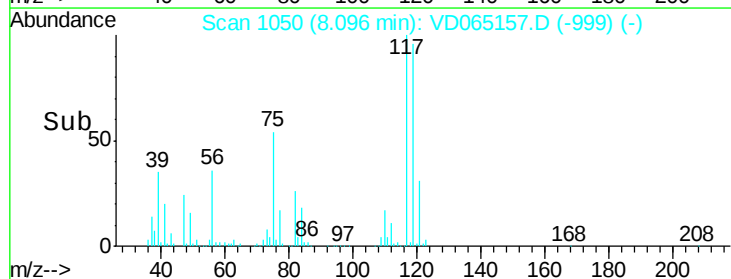
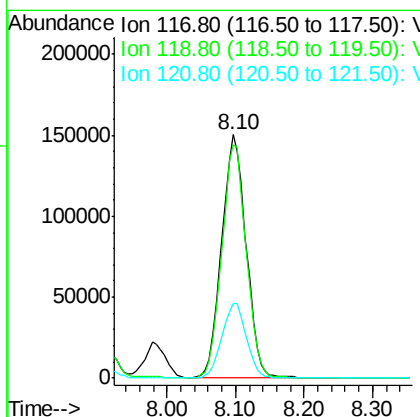
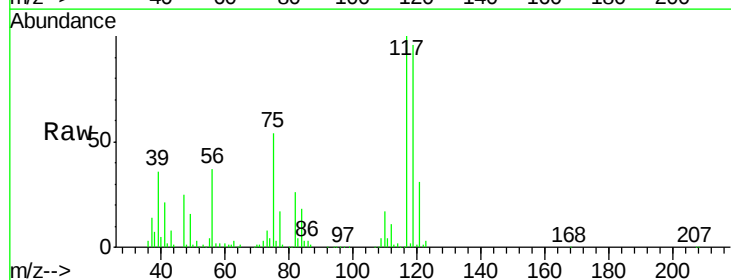
Manual Integrations
APPROVED

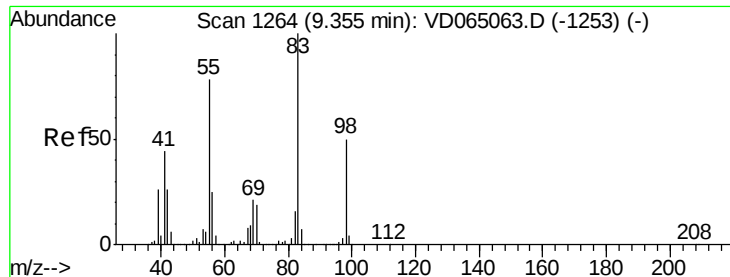
MMDadoda
2/13/2020 10:58:51 AM



#38
Carbon Tetrachloride
Concen: 55.194 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	78.5	117.7
121	30.9	23.8	35.6





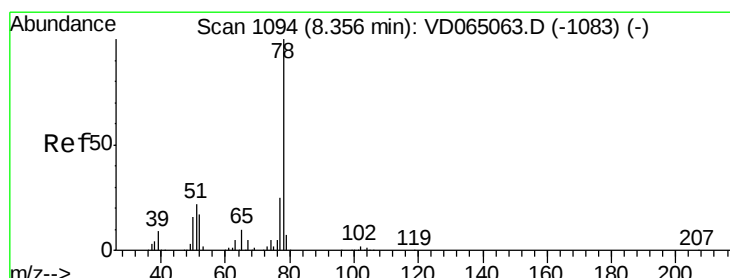
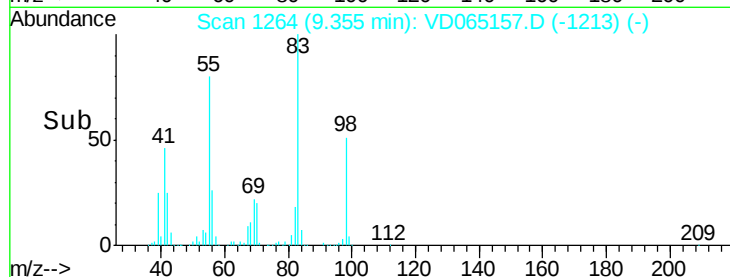
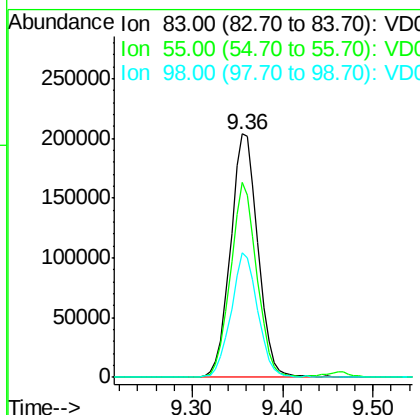
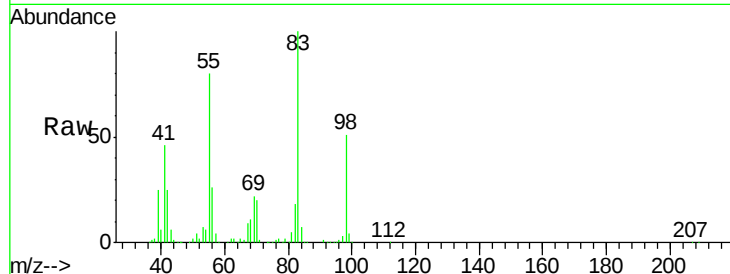
#39
Methvlcvclohexane
Concen: 52.945 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.2	62.0	93.0
98	51.1	39.9	59.9

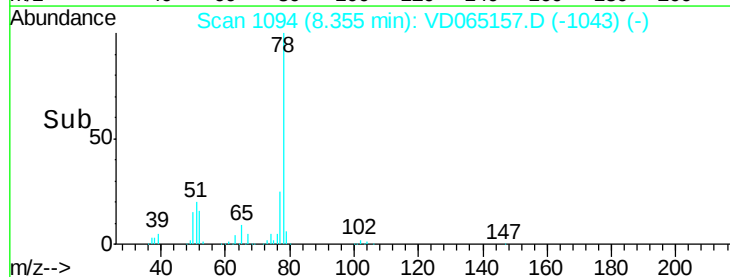
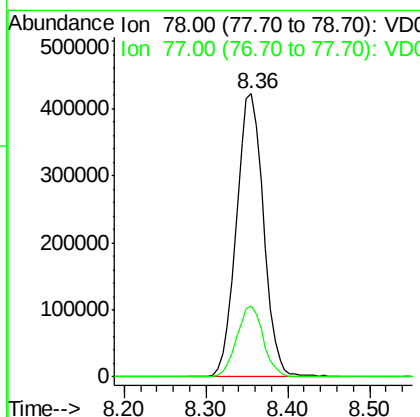
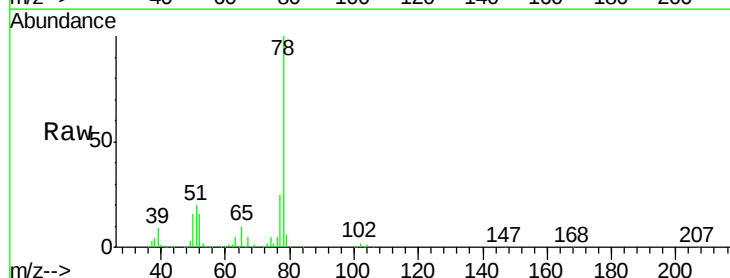
Manual Integrations
APPROVED

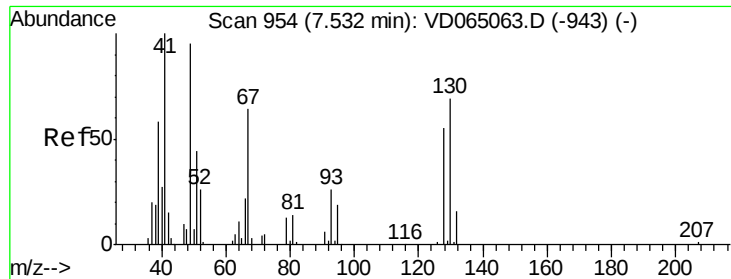
MMDadoda
2/13/2020 10:58:51 AM



#40
Benzene
Concen: 53.961 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.2	19.6	29.4





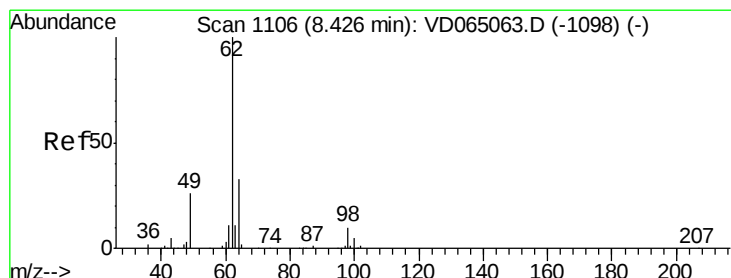
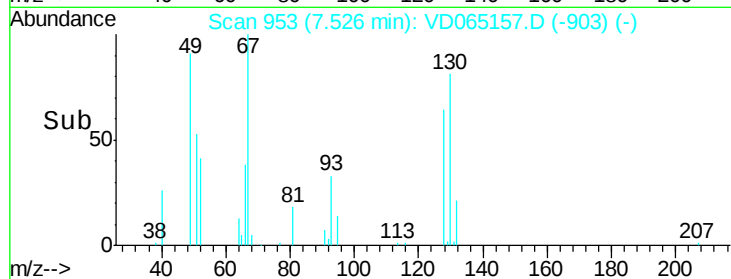
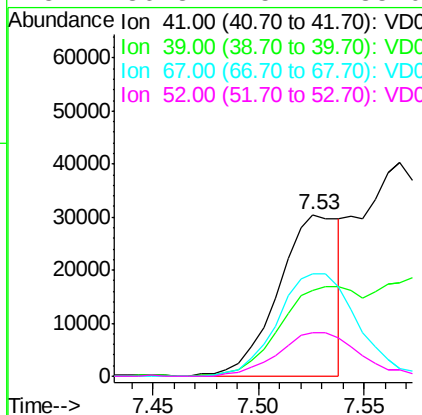
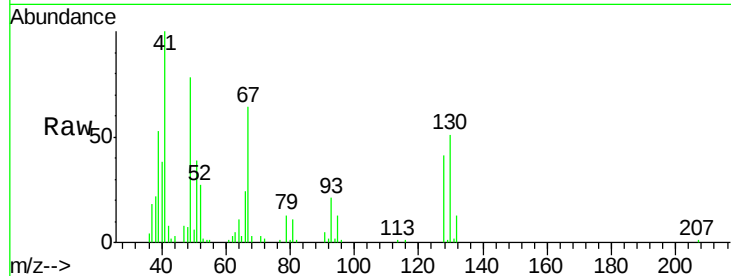
#41
Methacrylonitrile
Concen: 41.603 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	73.0	55.4	83.0	
67	83.0	59.0	88.6	
52	36.3	25.4	38.0	

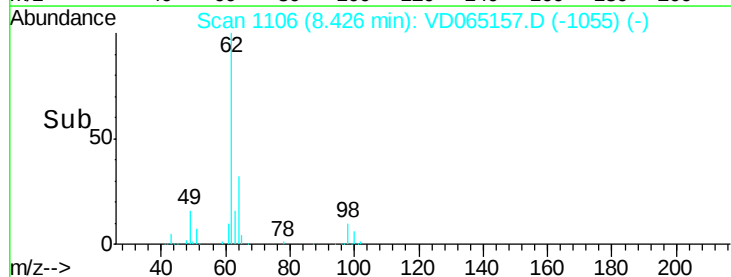
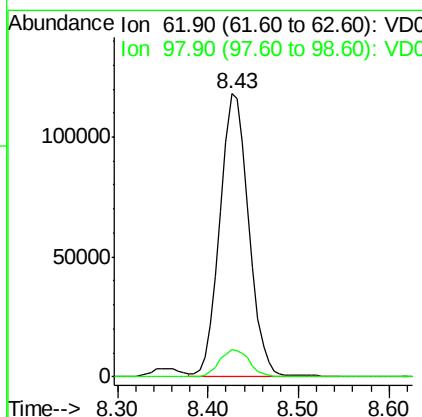
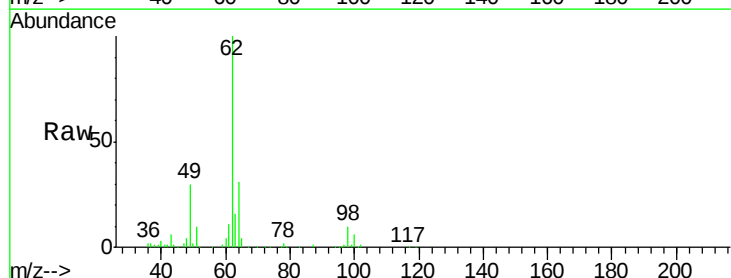
Manual Integrations
APPROVED

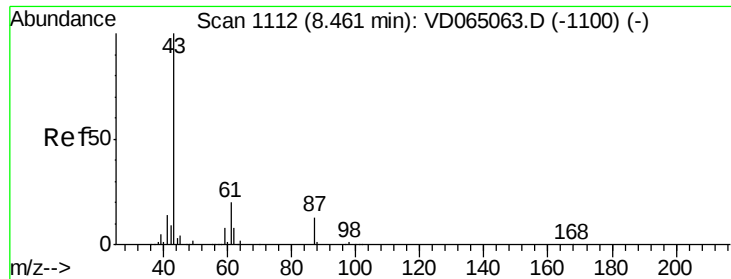
MMDadoda
2/13/2020 10:58:51 AM



#42
1,2-Dichloroethane
Concen: 50.525 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	0.0	18.6	





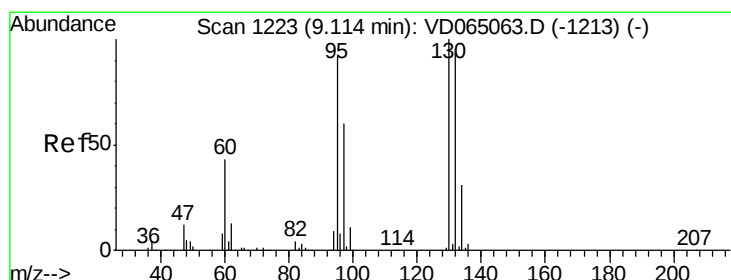
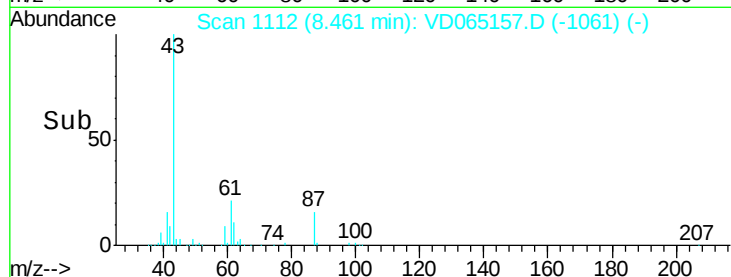
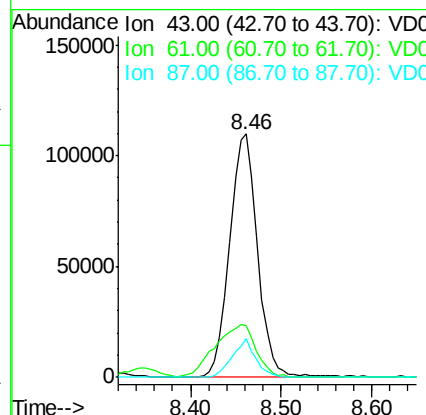
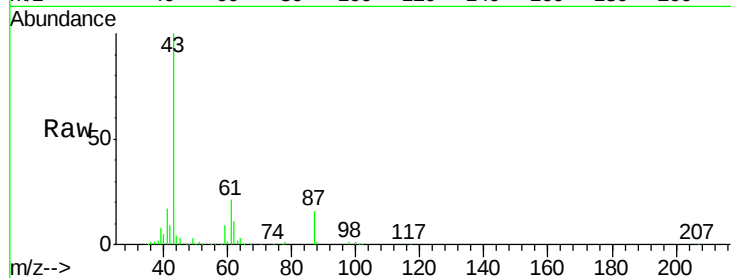
#43
Isopropyl Acetate
Concen: 45.952 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100	235498		
61	31.1		24.0	36.0
87	13.3		10.2	15.4

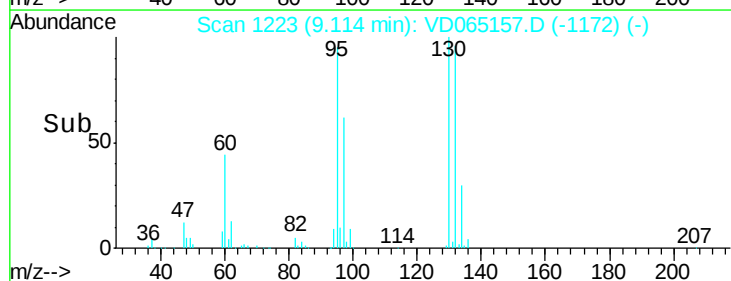
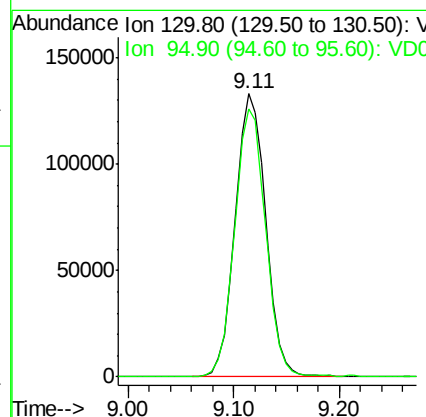
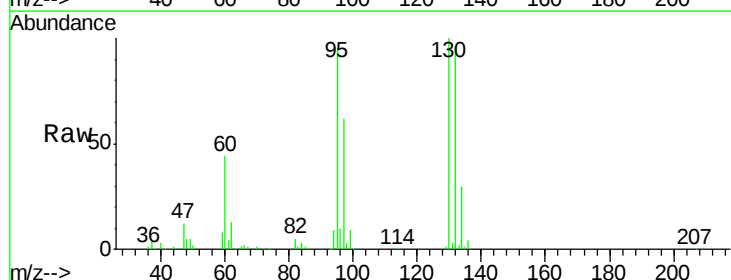
Manual Integrations
APPROVED

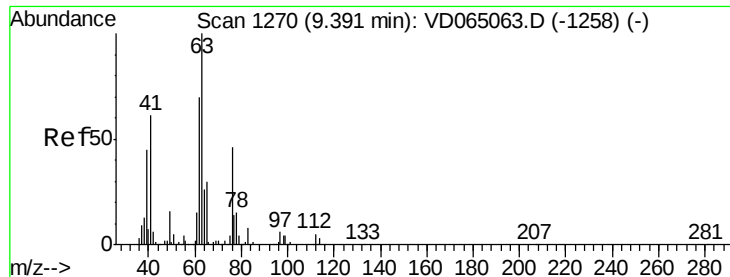
MMDadoda
2/13/2020 10:58:51 AM



#44
Trichloroethene
Concen: 51.209 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	266179		
95	94.6		0.0	185.0





#45

1,2-Dichloropropane

Concen: 54.389 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 236147

Ion Ratio Lower Upper

63 100

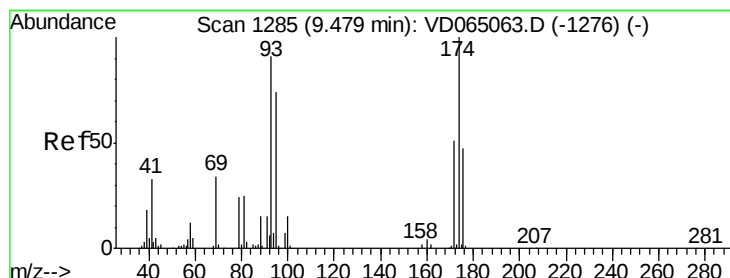
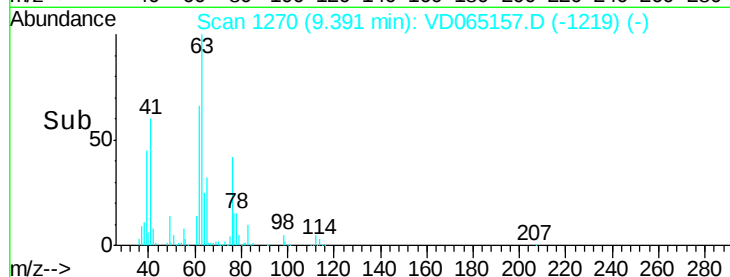
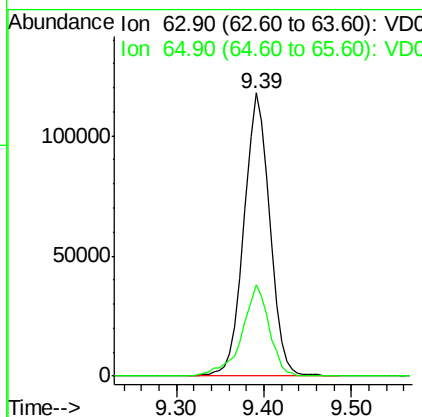
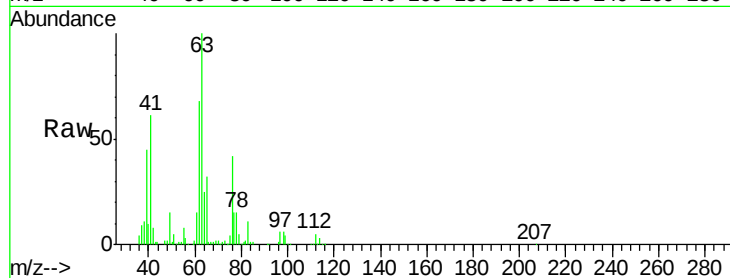
65 32.4 23.9 35.9

Manual Integrations

APPROVED

MMDadoda

2/13/2020 10:58:51 AM



#46

Dibromomethane

Concen: 51.055 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

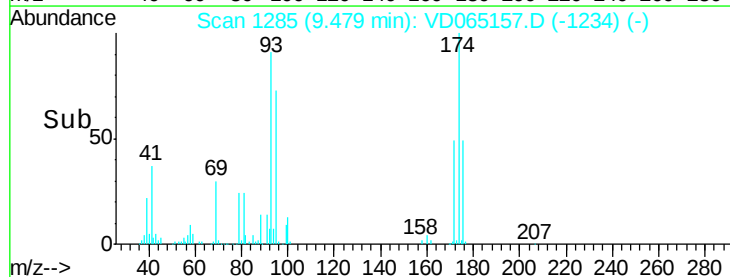
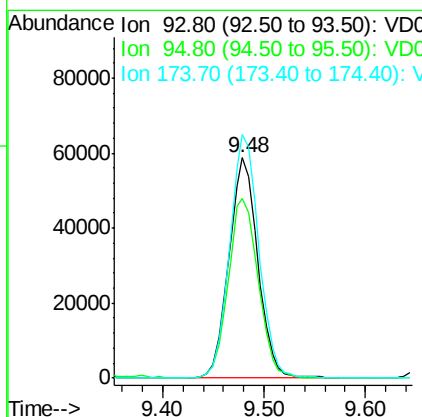
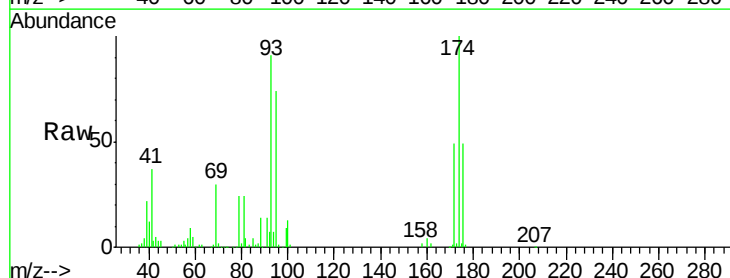
Tgt Ion: 93 Resp: 116483

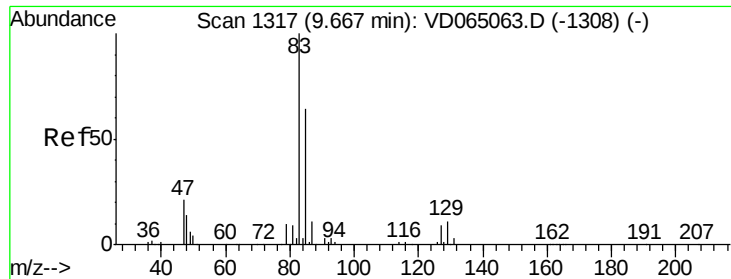
Ion Ratio Lower Upper

93 100

95 84.3 66.5 99.7

174 111.1 89.8 134.8





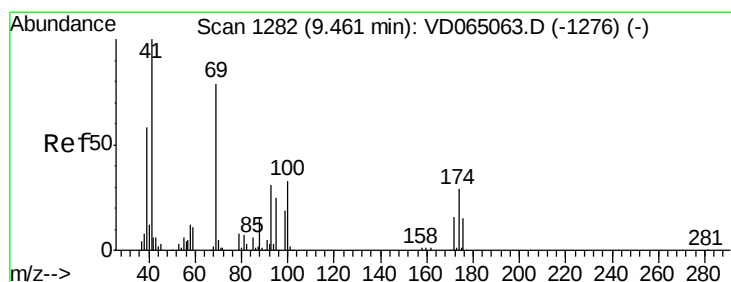
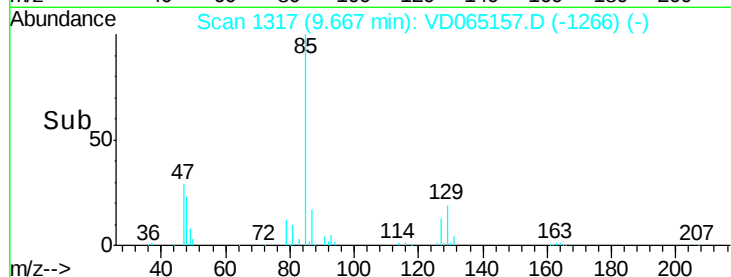
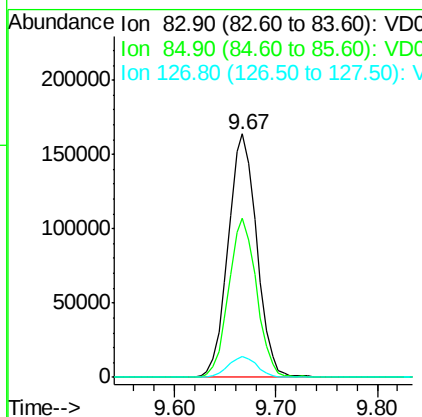
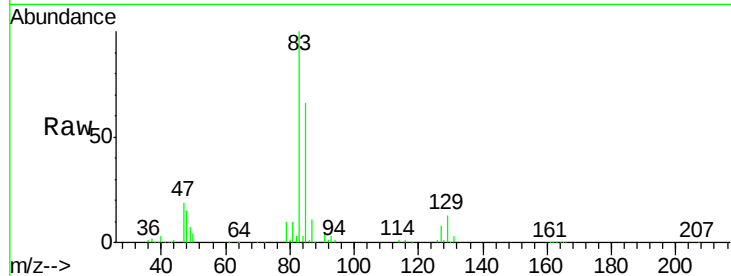
#47
Bromodichloromethane
Concen: 53.574 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.0	76.6
127	8.5	7.3	10.9

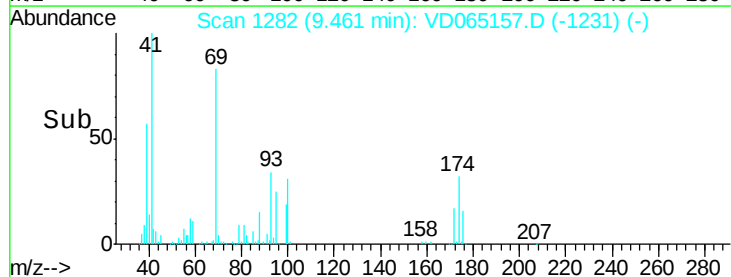
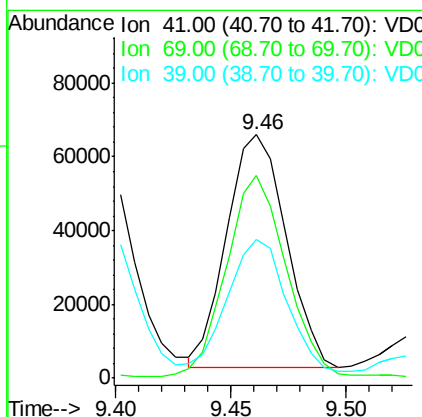
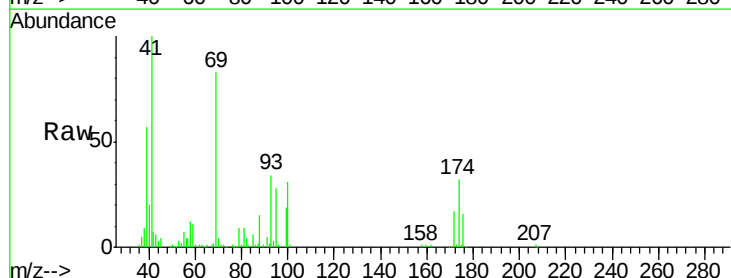
Manual Integrations
APPROVED

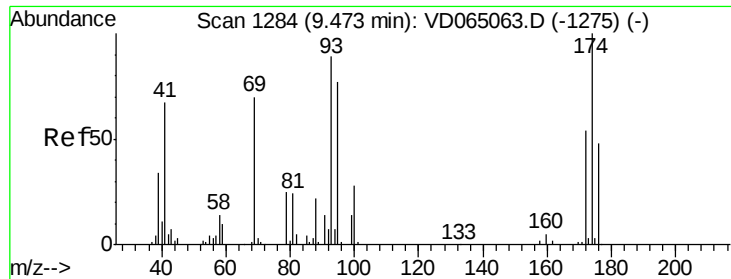
MMDadoda
2/13/2020 10:58:51 AM



#48
Methyl methacrylate
Concen: 45.653 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Tgt Ion	Ratio	Lower	Upper
41	100		
69	87.9	67.5	101.3
39	56.3	47.0	70.4





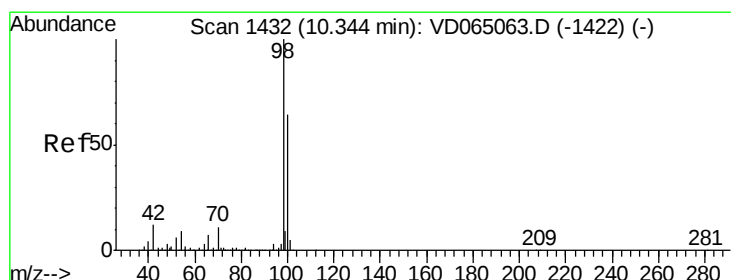
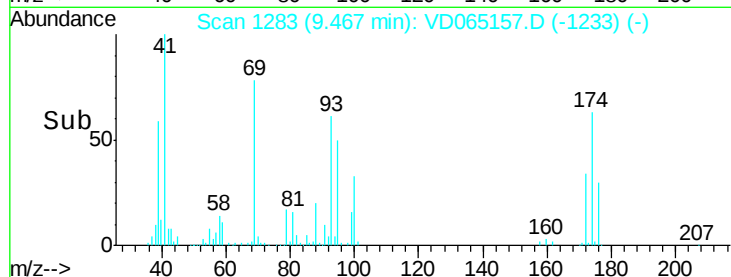
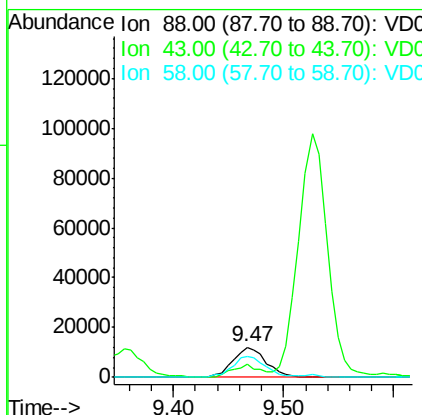
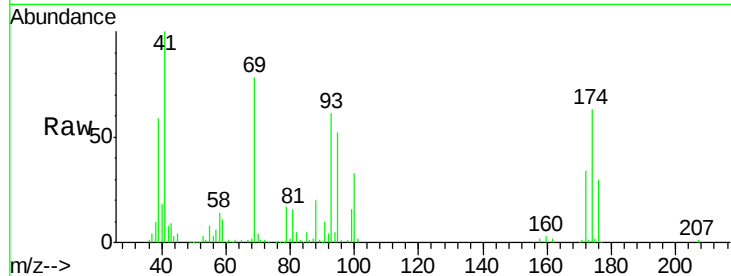
#49
1,4-Dioxane
Concen: 945.602 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.01 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.7	27.7	41.5
58	69.5	55.5	83.3

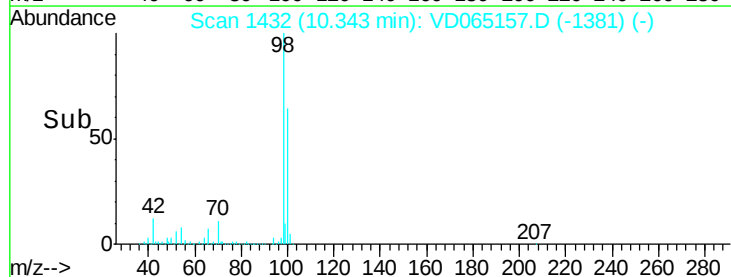
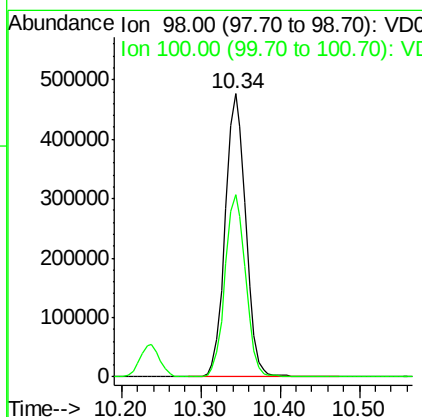
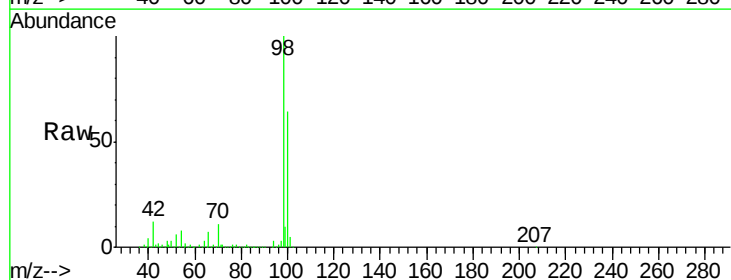
Manual Integrations
APPROVED

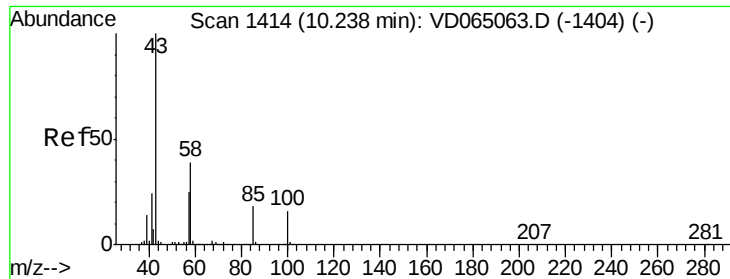
MMDadoda
2/13/2020 10:58:51 AM



#50
Toluene-d8
Concen: 54.329 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.1	78.1





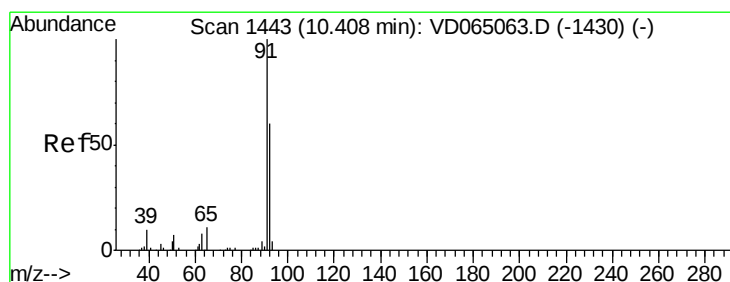
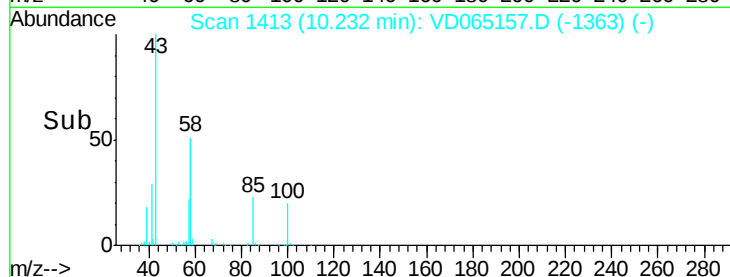
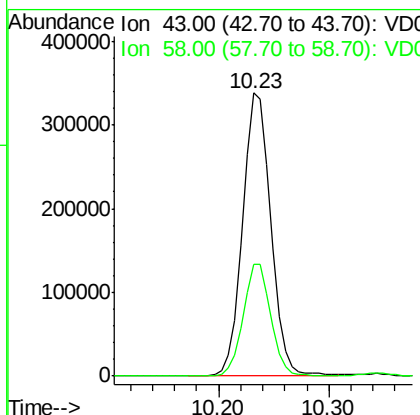
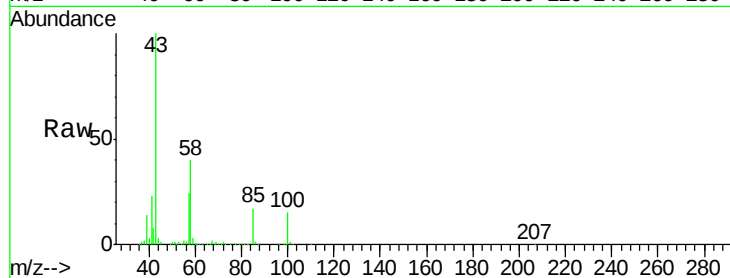
#51
4-Methyl-2-Pentanone
Concen: 241.567 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.7	30.2	45.2

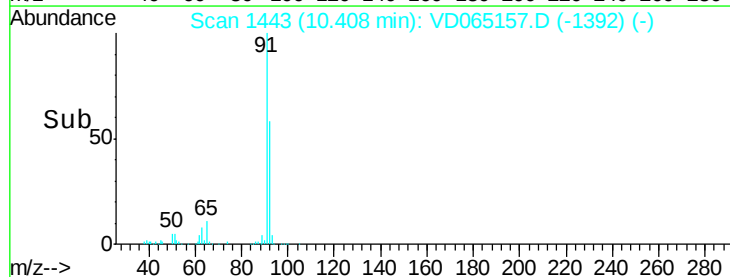
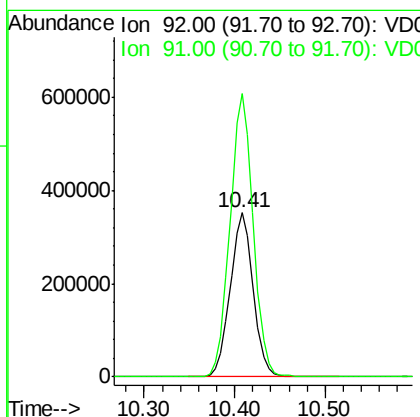
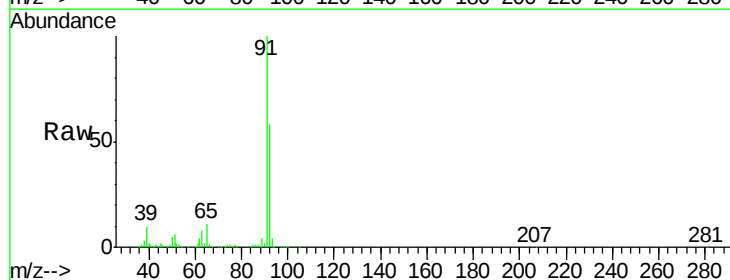
Manual Integrations
APPROVED

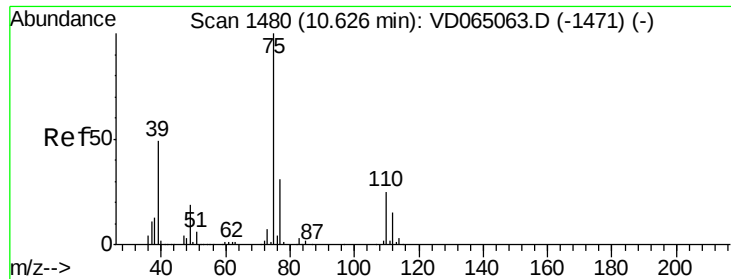
MMDadoda
2/13/2020 10:58:51 AM



#52
Toluene
Concen: 53.814 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.0	135.3	202.9





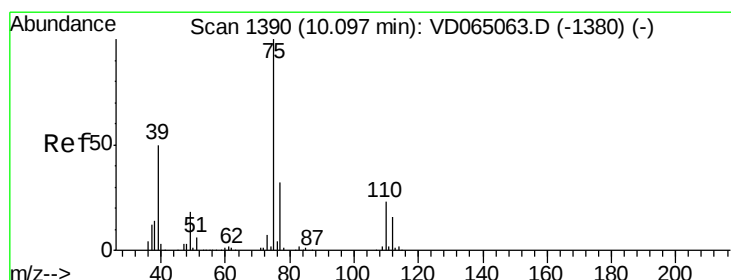
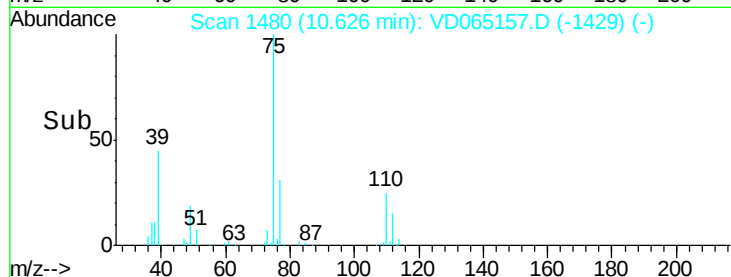
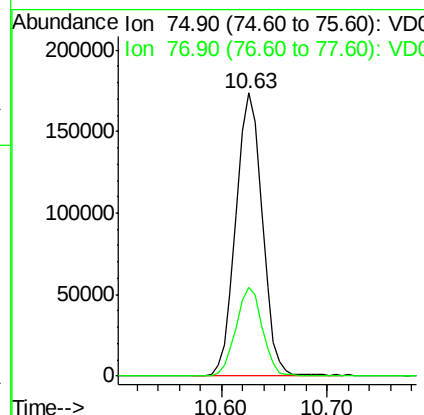
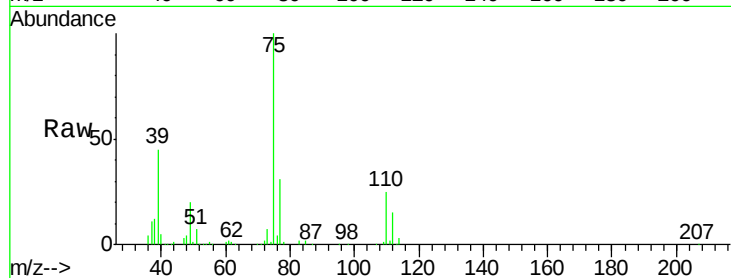
#53
t-1,3-Dichloropropene
Concen: 51.504 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.9	37.3

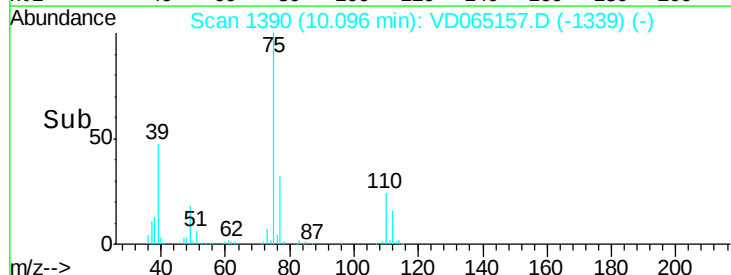
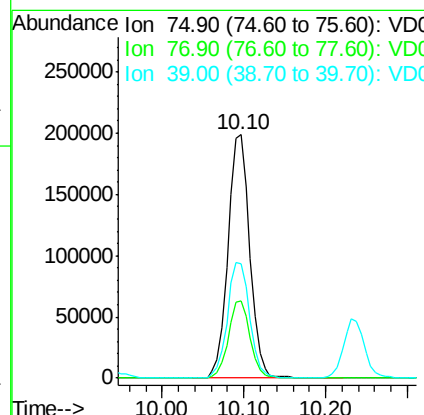
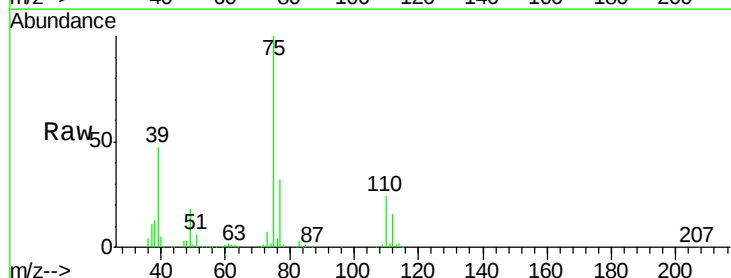
Manual Integrations
APPROVED

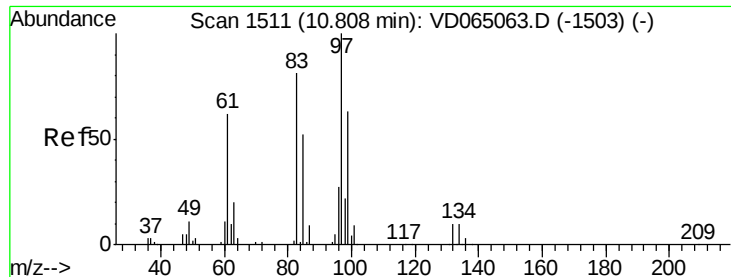
MMDadoda
2/13/2020 10:58:51 AM



#54
cis-1,3-Dichloropropene
Concen: 52.595 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.3	37.9
39	46.7	40.3	60.5





#55

1,1,2-Trichloroethane

Concen: 51.162 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

Instrument :

MSVOA_D

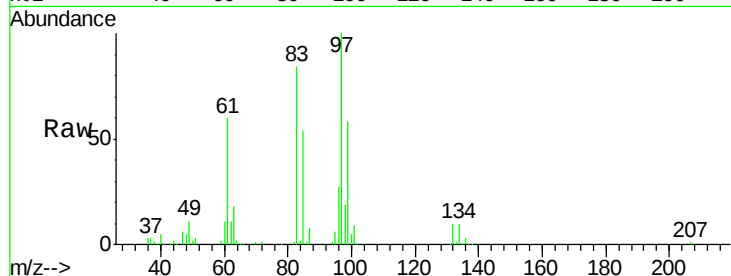
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	160108
Ion	Ratio	Lower	Upper
97	100		
83	83.9	64.8	97.2
85	54.2	41.2	61.8
99	58.1	50.3	75.5

Manual Integrations
APPROVED

MMDadoda
2/13/2020 10:58:51 AM

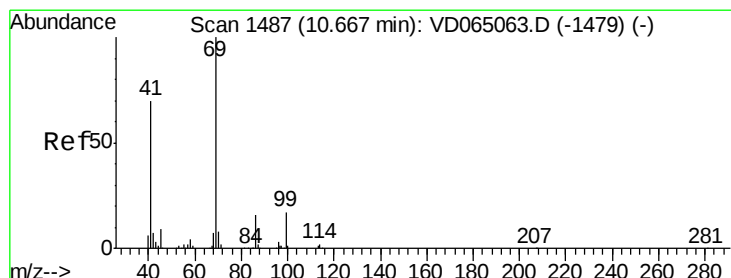
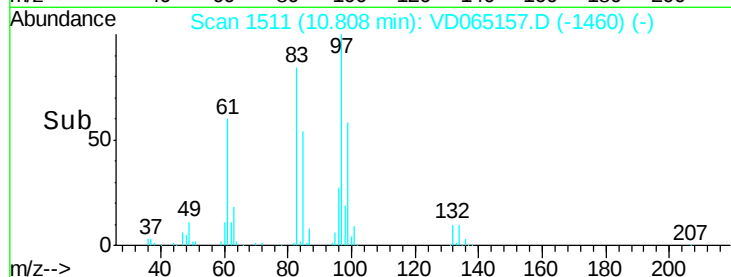
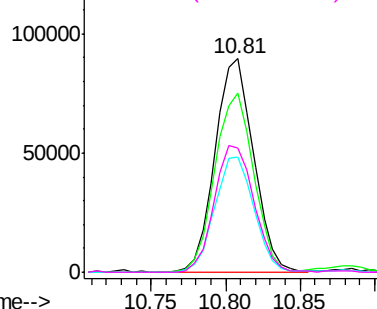


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 49.732 ug/l

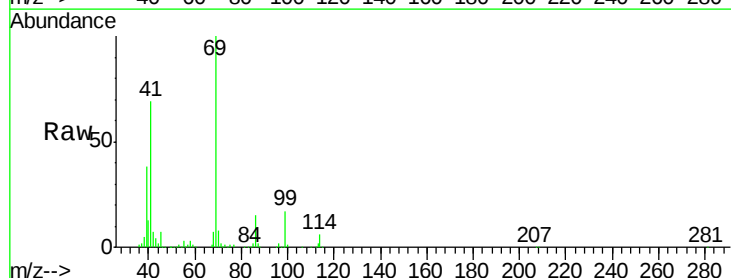
RT: 10.67 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

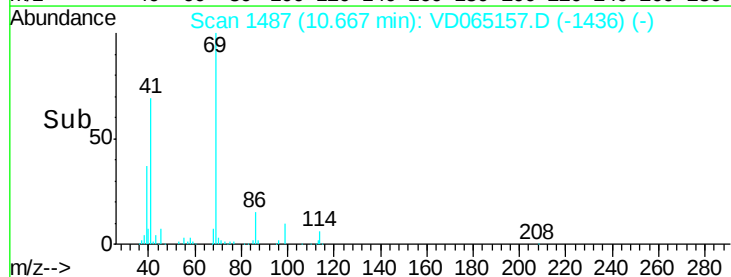
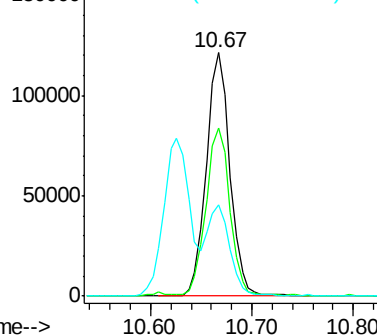
Tgt Ion:	69	Resp:	196918
Ion	Ratio	Lower	Upper
69	100		
41	69.3	55.9	83.9
39	35.3	29.4	44.0

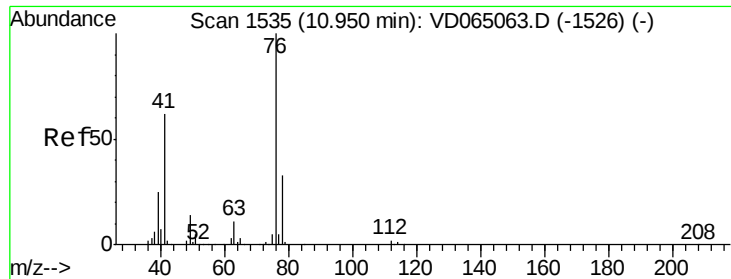


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 51.316 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 282385

Ion Ratio Lower Upper

76 100

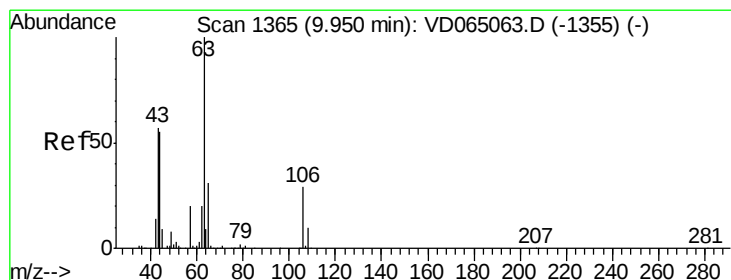
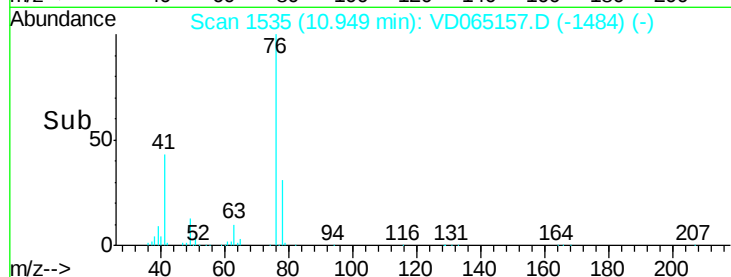
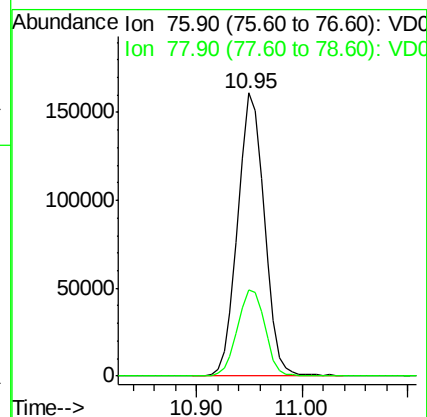
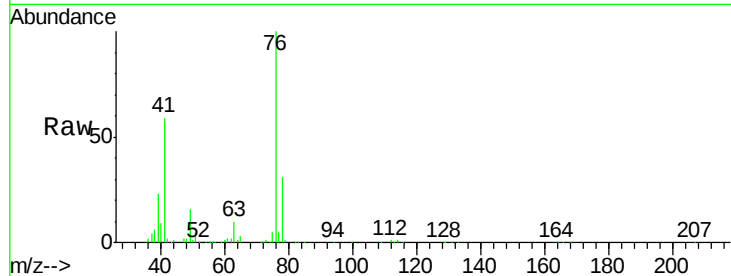
78 31.4 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

2/13/2020 10:58:51 AM



#58

2-Chloroethyl Vinyl ether

Concen: 227.878 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065157.D

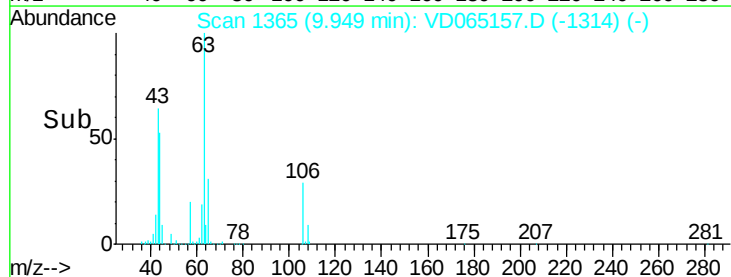
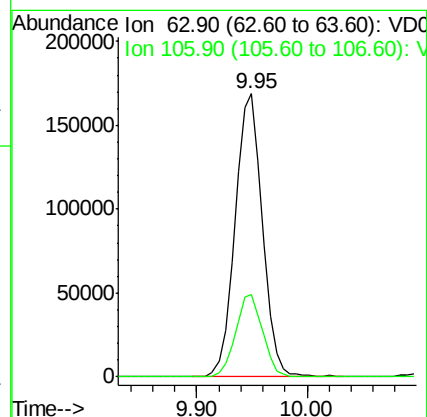
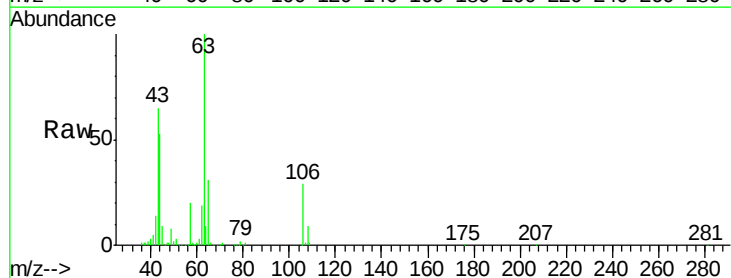
Acq: 12 Feb 2020 10:15

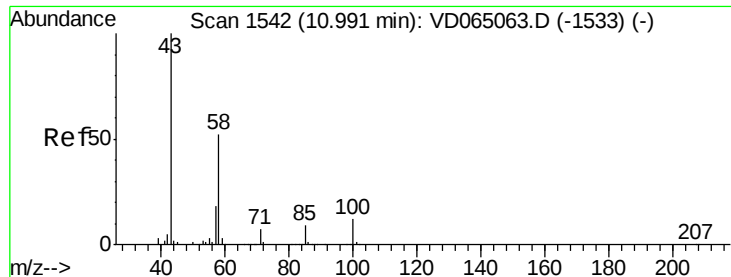
Tgt Ion: 63 Resp: 293686

Ion Ratio Lower Upper

63 100

106 28.8 23.3 34.9





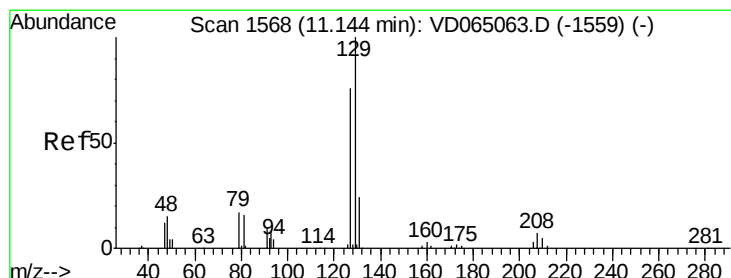
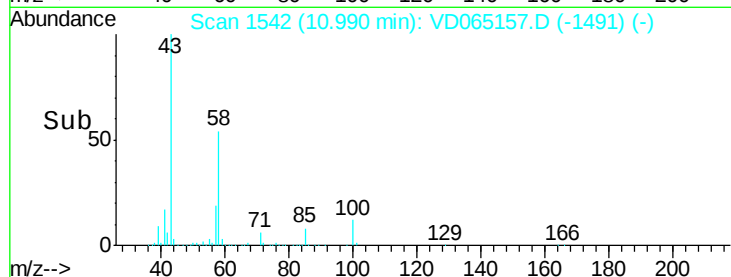
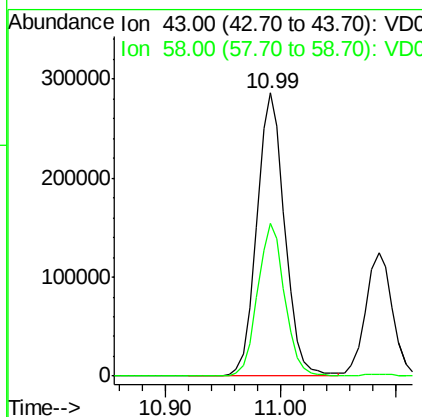
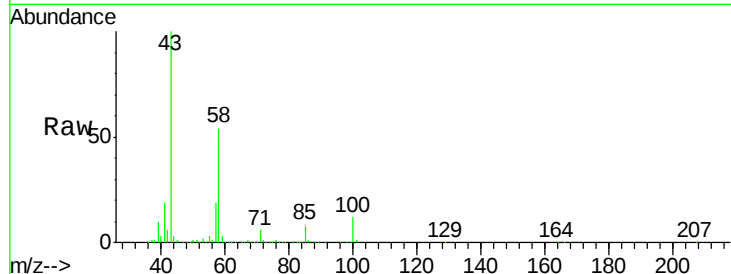
#59
2-Hexanone
Concen: 269.456 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 481457
Ion Ratio Lower Upper
43 100
58 52.7 26.2 78.6

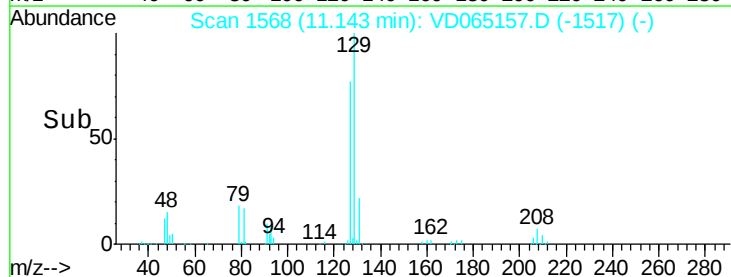
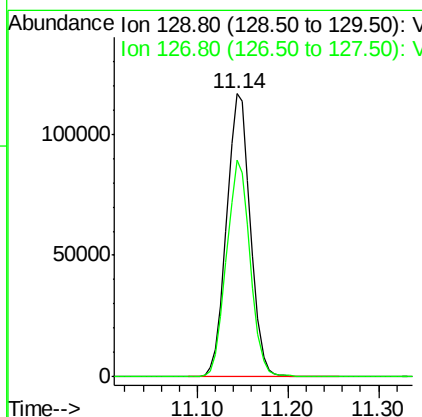
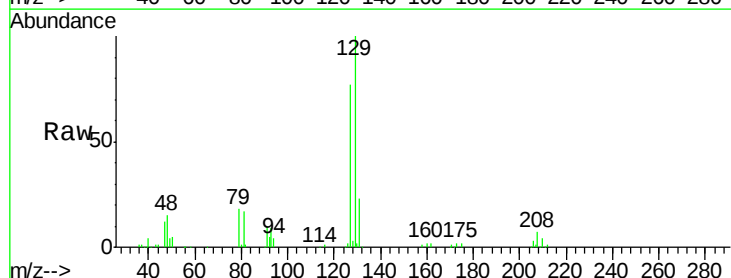
Manual Integrations
APPROVED

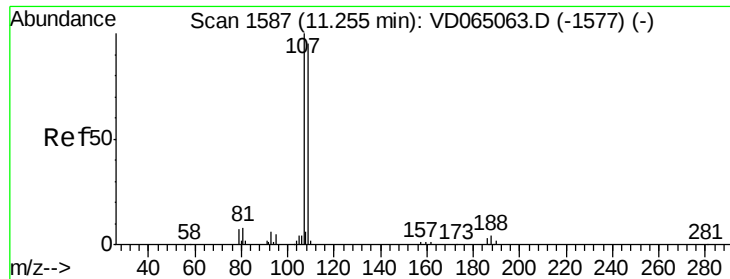
MMDadoda
2/13/2020 10:58:51 AM



#60
Dibromochloromethane
Concen: 52.503 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Tgt Ion: 129 Resp: 212816
Ion Ratio Lower Upper
129 100
127 76.4 38.3 114.9





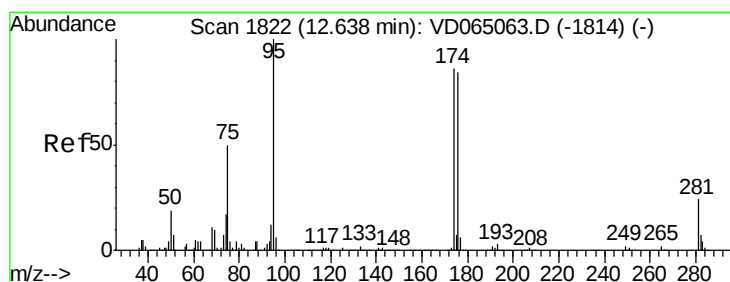
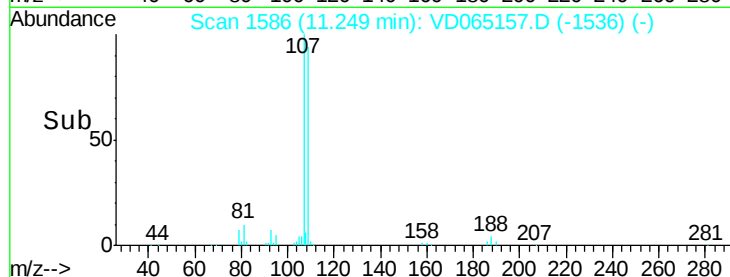
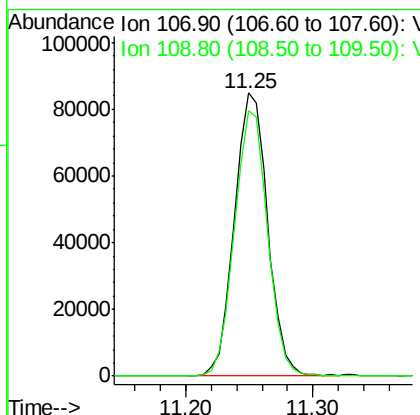
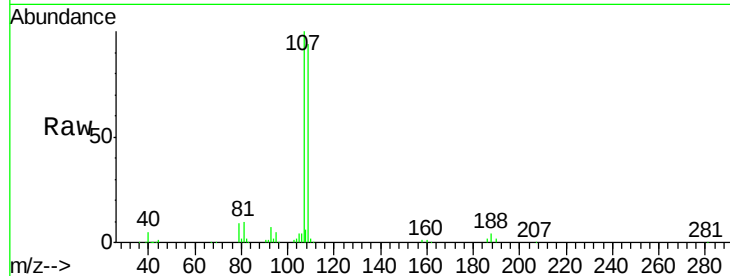
#61
 1,2-Dibromoethane
 Concen: 50.379 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: VD065157.D
 Acq: 12 Feb 2020 10:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	75.5	113.3

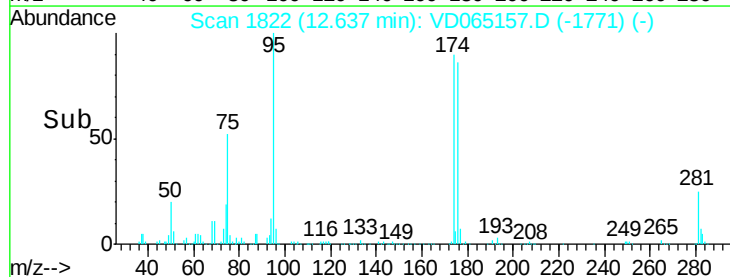
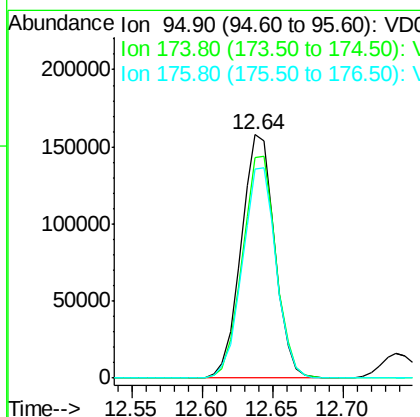
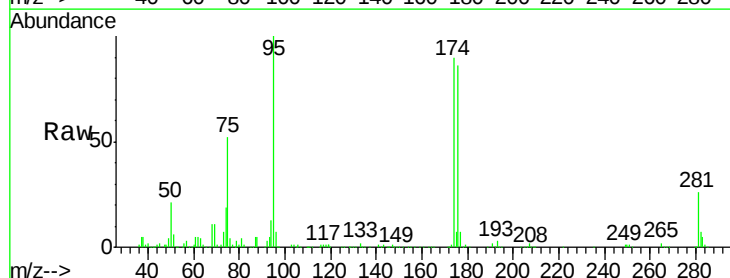
Manual Integrations
 APPROVED

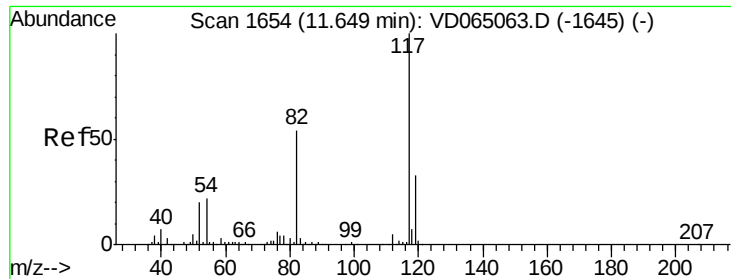
MMDadoda
 2/13/2020 10:58:51 AM



#62
 4-Bromofluorobenzene
 Concen: 52.821 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065157.D
 Acq: 12 Feb 2020 10:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.4	0.0	180.0
176	87.1	0.0	173.2





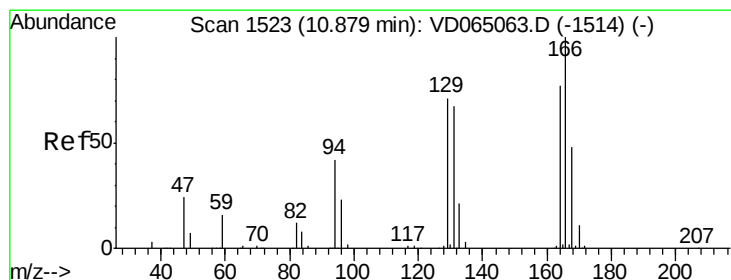
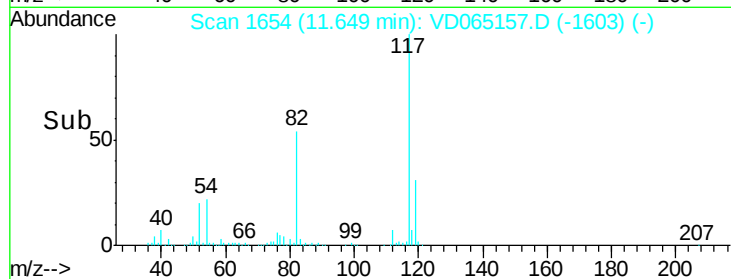
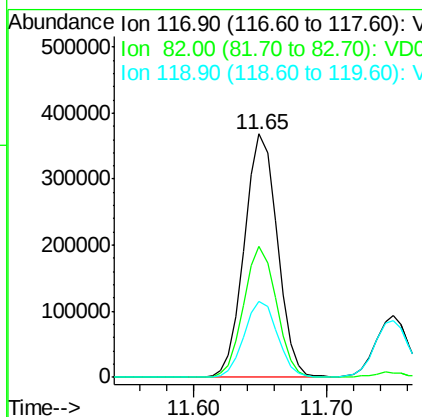
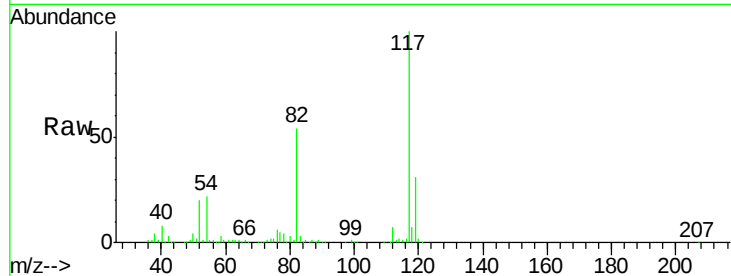
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	630929		
82	53.7		43.1	64.7
119	31.4		26.0	39.0

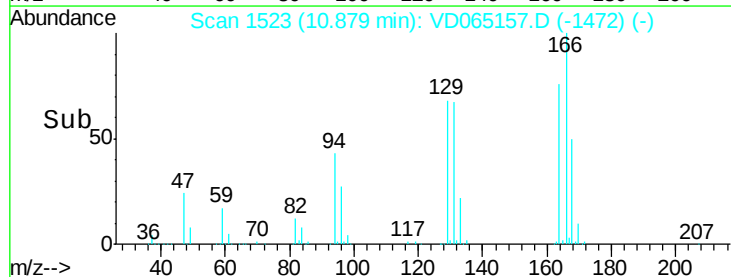
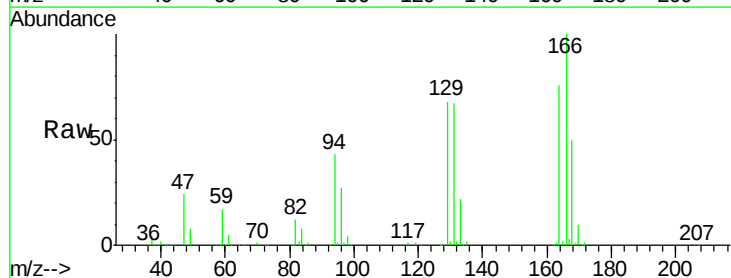
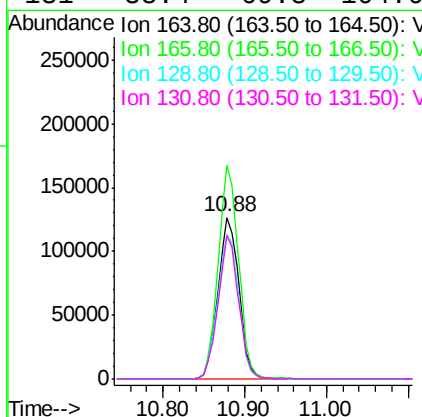
Manual Integrations
APPROVED

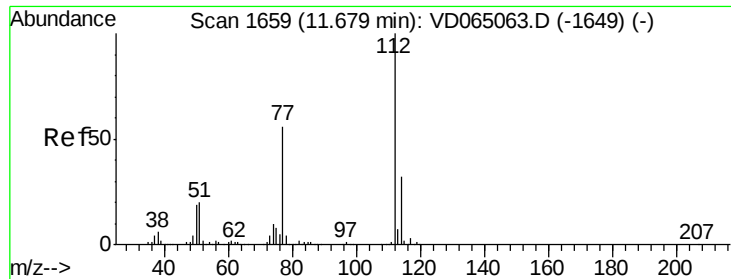
MMDadoda
2/13/2020 10:58:51 AM



#64
Tetrachloroethene
Concen: 50.081 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	227043		
166	132.3		103.5	155.3
129	89.6		73.3	109.9
131	88.4		69.8	104.6





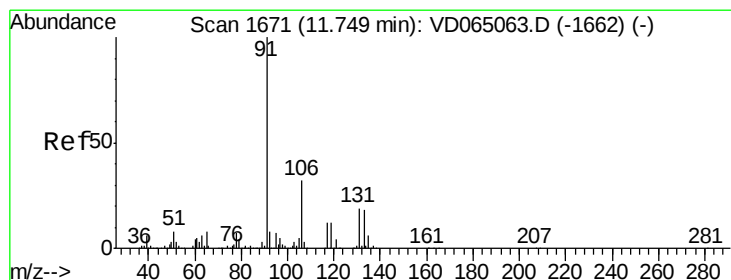
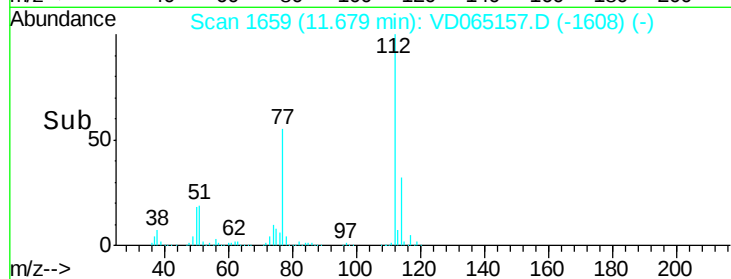
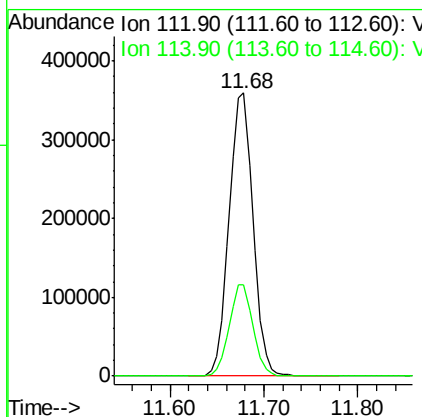
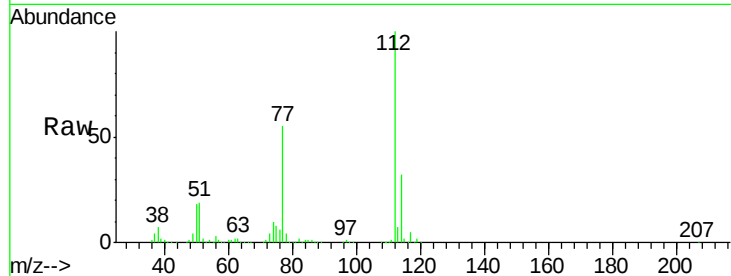
#65
Chlorobenzene
Concen: 52.207 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.4	38.0

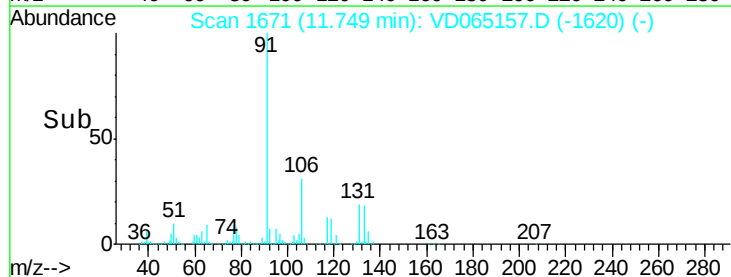
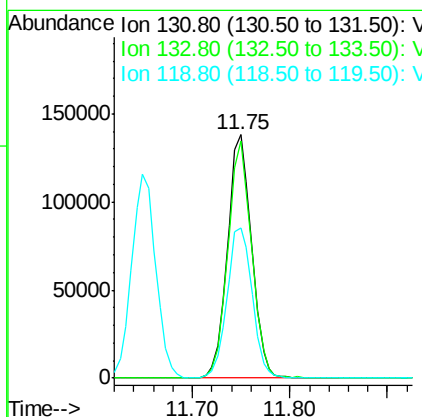
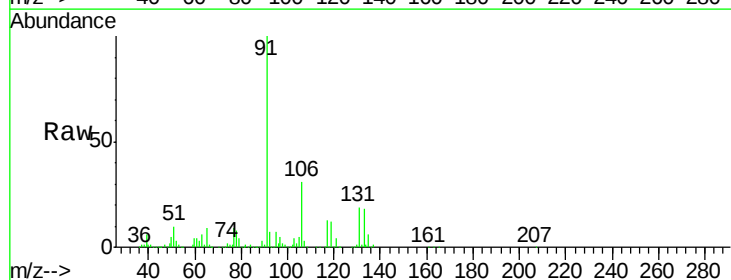
Manual Integrations
APPROVED

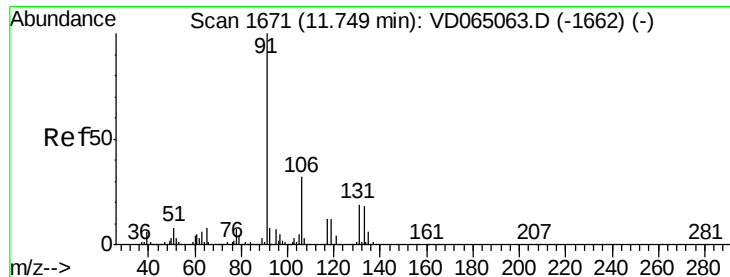
MMDadoda
2/13/2020 10:58:51 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.723 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.5	47.7	143.1
119	64.2	31.3	93.8





#67

Ethyl Benzene

Concen: 53.474 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1185557

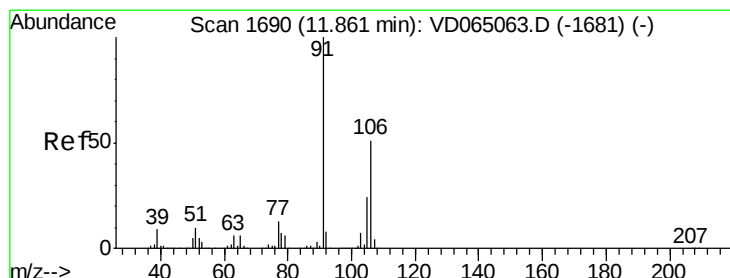
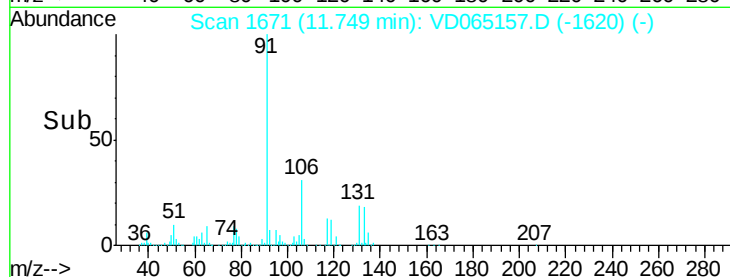
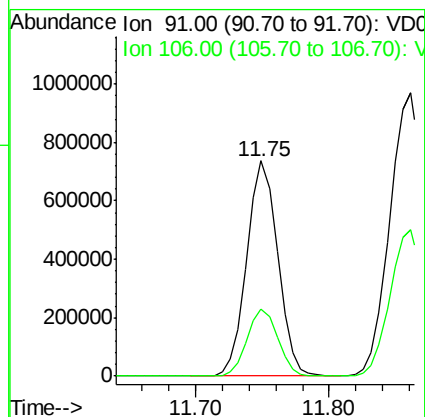
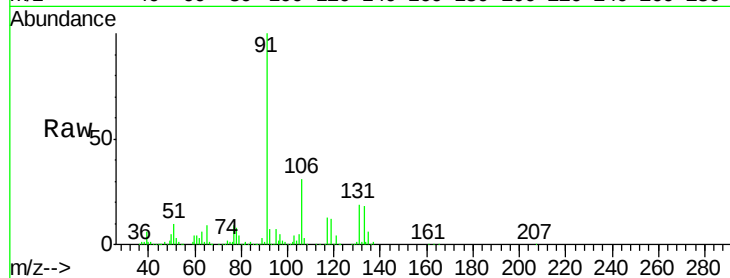
Ion Ratio Lower Upper

91 100

106 30.9 25.4 38.2

Manual Integrations
APPROVED

MMDadoda
2/13/2020 10:58:51 AM



#68

m/p-Xylenes

Concen: 109.337 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065157.D

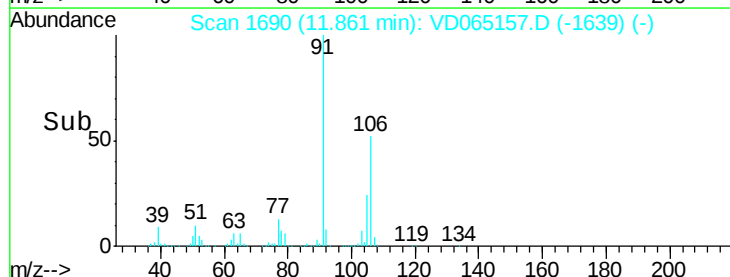
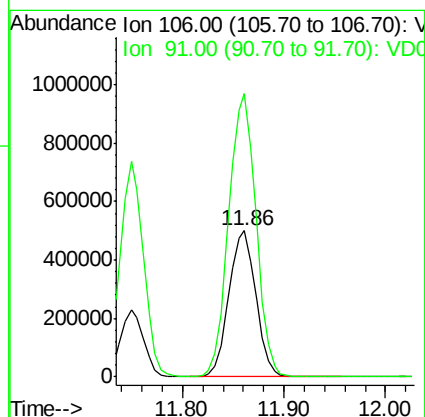
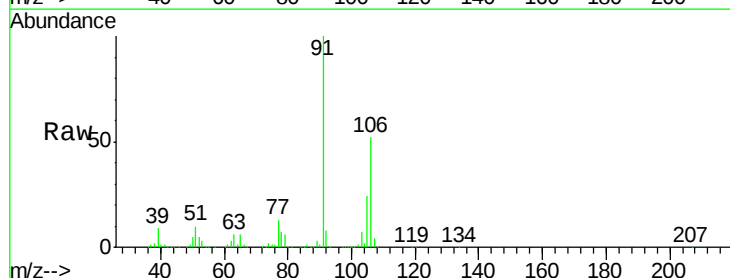
Acq: 12 Feb 2020 10:15

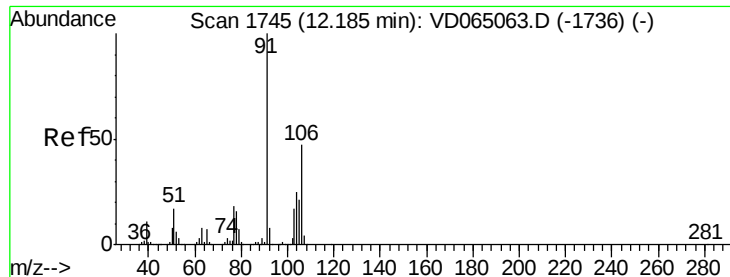
Tgt Ion: 106 Resp: 925206

Ion Ratio Lower Upper

106 100

91 196.1 158.9 238.3





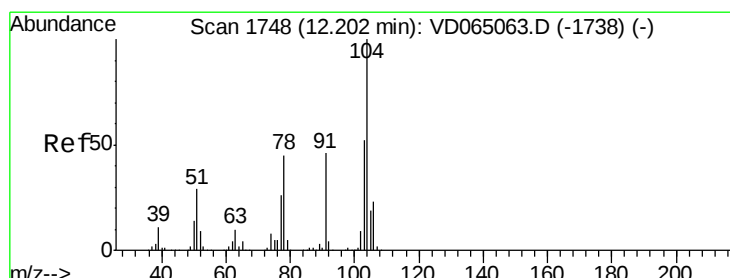
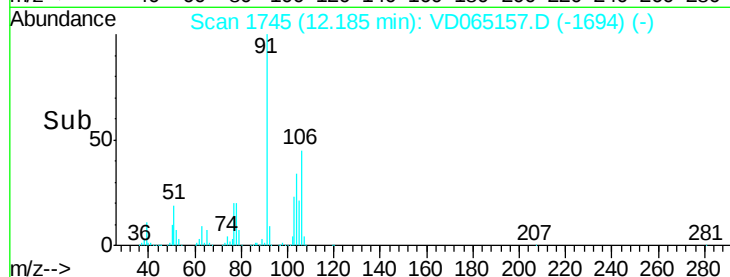
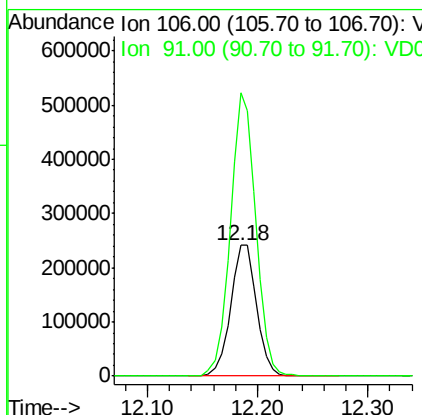
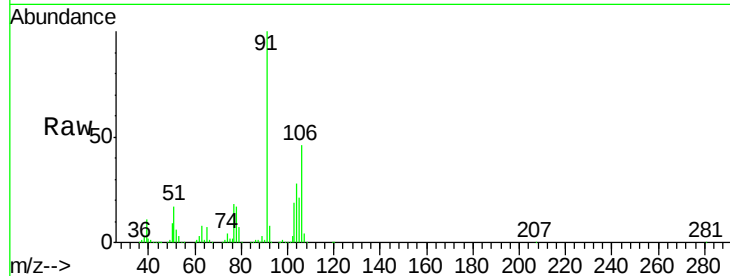
#69
o-Xylene
Concen: 52.189 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 397685
Ion Ratio Lower Upper
106 100
91 211.6 104.7 313.9

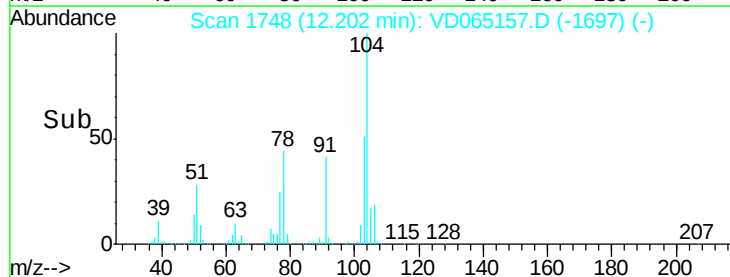
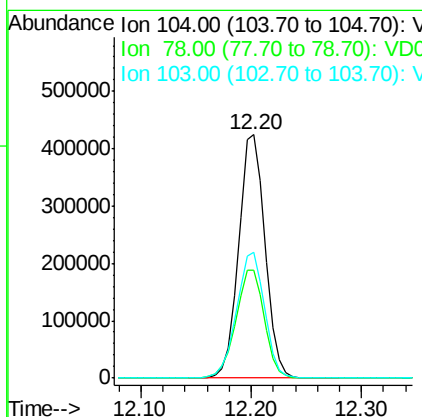
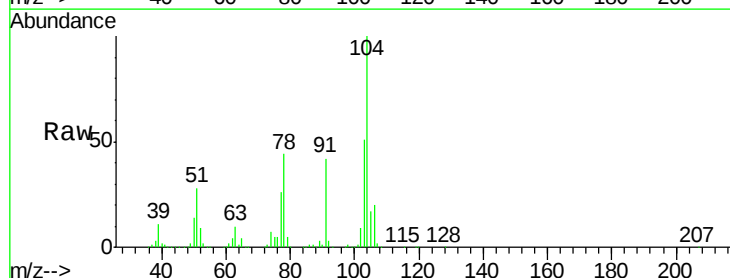
Manual Integrations
APPROVED

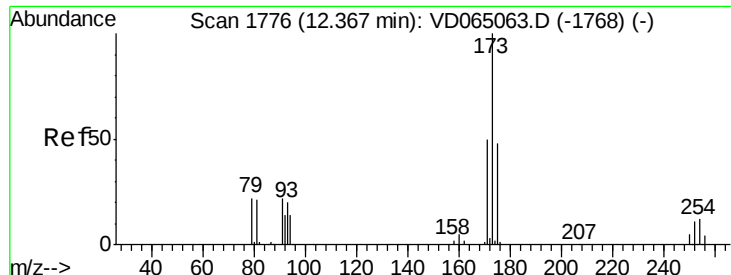
MMDadoda
2/13/2020 10:58:51 AM



#70
Styrene
Concen: 53.923 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Tgt Ion:104 Resp: 714159
Ion Ratio Lower Upper
104 100
78 48.1 38.5 57.7
103 54.9 43.8 65.8





#71

Bromoform

Concen: 50.848 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

Instrument :

MSVOA_D

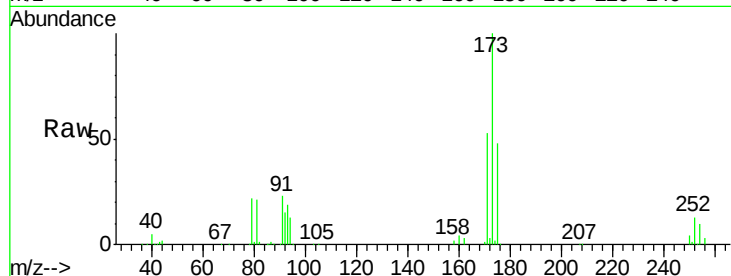
ClientSampleId :

VSTDCCC050

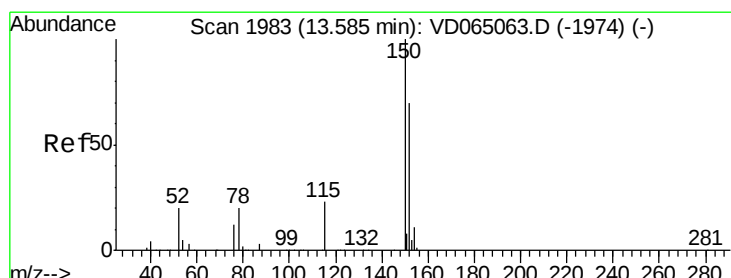
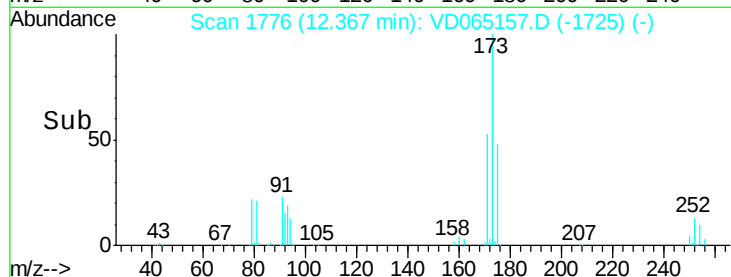
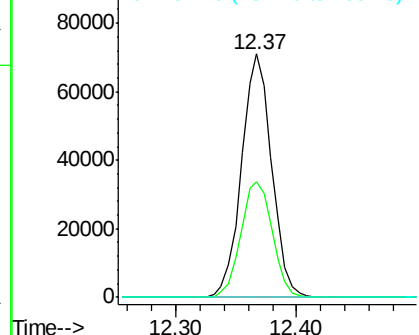
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.3	72.8
254	0.1	0.1	0.1

Manual Integrations
APPROVED

MMDadoda
2/13/2020 10:58:51 AM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

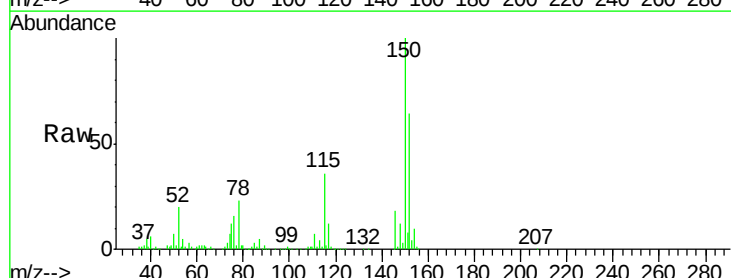
RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

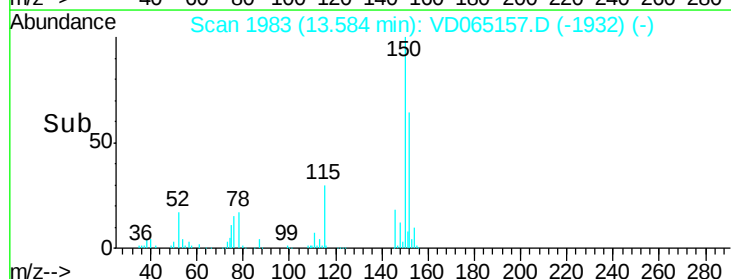
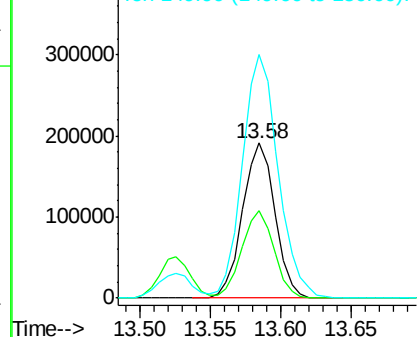
Lab File: VD065157.D

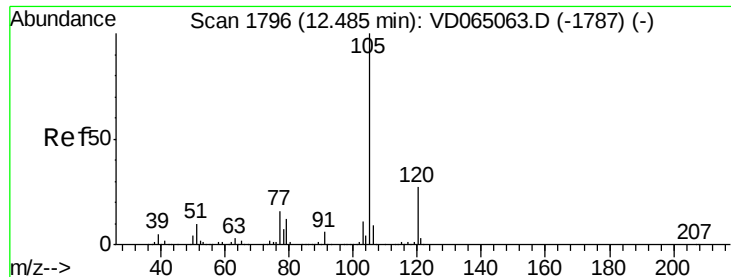
Acq: 12 Feb 2020 10:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	27.5	82.4
150	172.4	0.0	343.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.556 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1110921

Ion Ratio Lower Upper

105 100

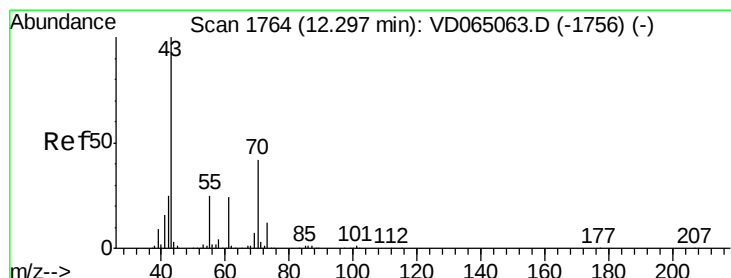
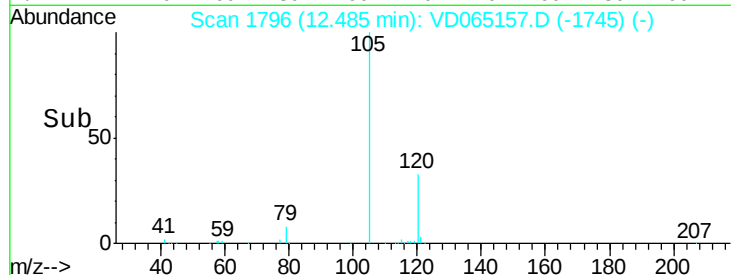
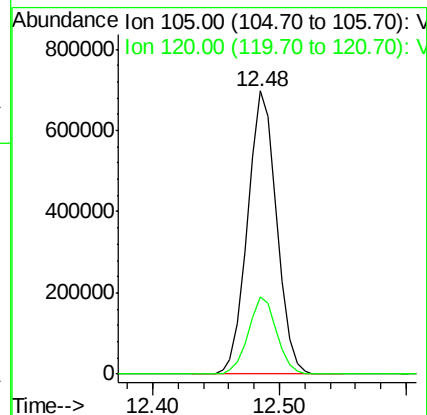
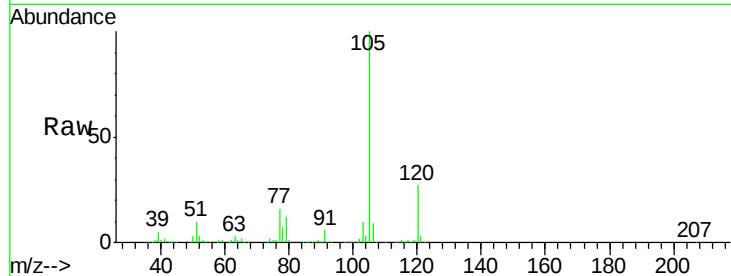
120 26.6 13.3 39.9

Manual Integrations

APPROVED

MMDadoda

2/13/2020 10:58:51 AM



#74

N-ethyl acetate

Concen: 46.877 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

Tgt Ion: 43 Resp: 215370

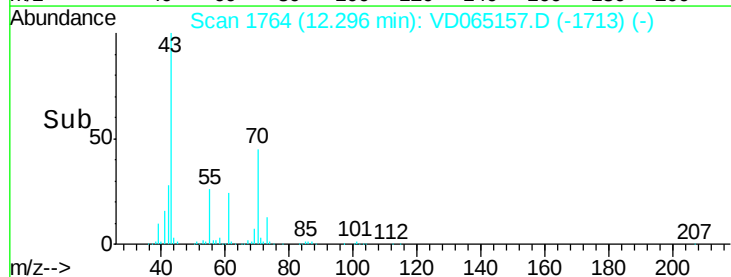
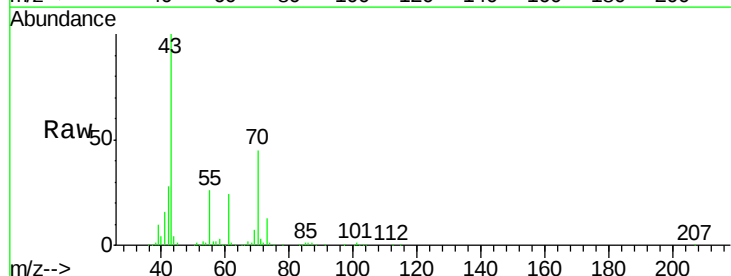
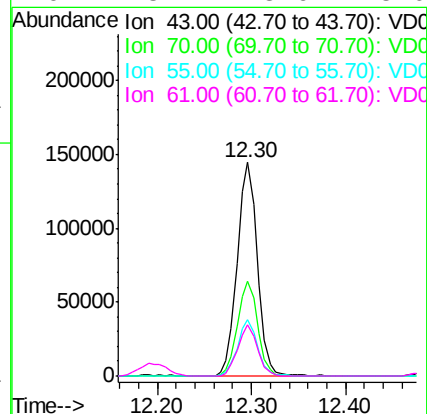
Ion Ratio Lower Upper

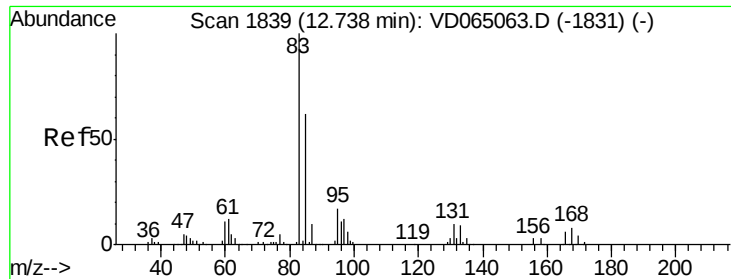
43 100

70 44.3 33.5 50.3

55 26.3 19.4 29.2

61 23.2 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.847 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

Instrument :

MSVOA_D

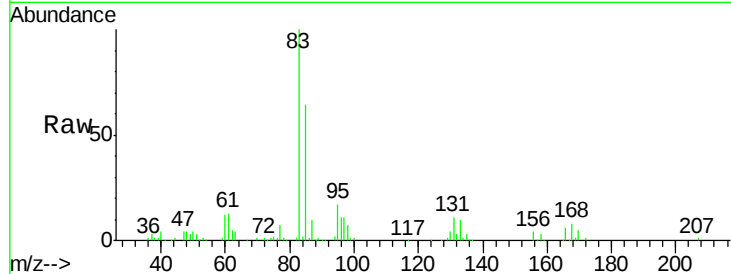
ClientSampleId :

VSTDCCC050

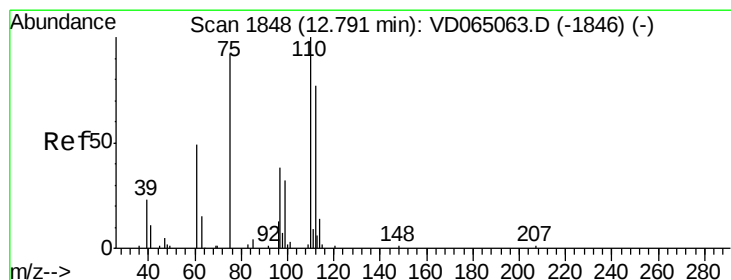
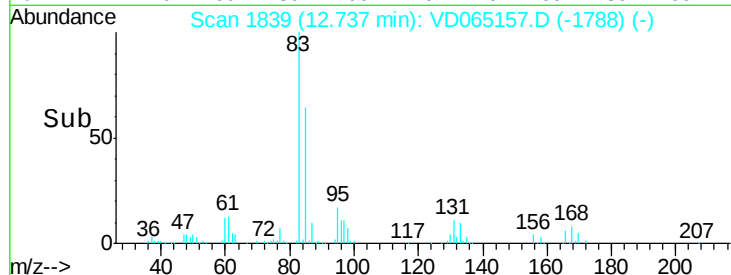
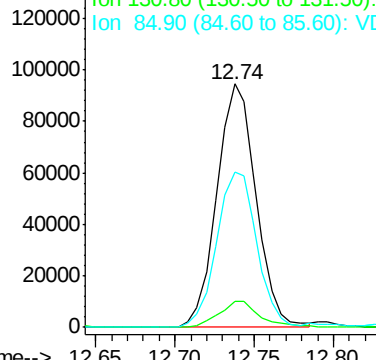
Tot Ion:	83	Resp:	162503
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.5	16.4
85	65.3	31.8	95.4

Manual Integrations
APPROVED

MMDadoda
2/13/2020 10:58:51 AM



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 48.283 ug/l m

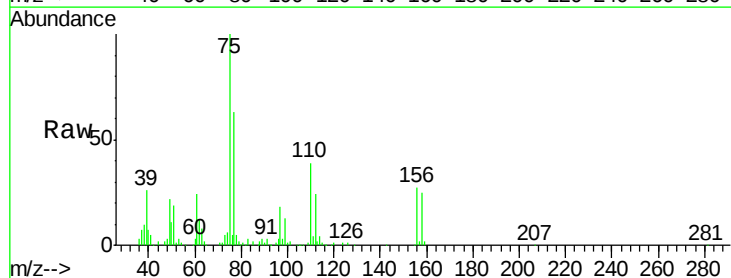
RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

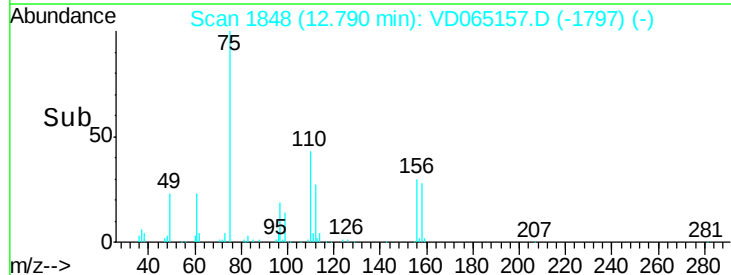
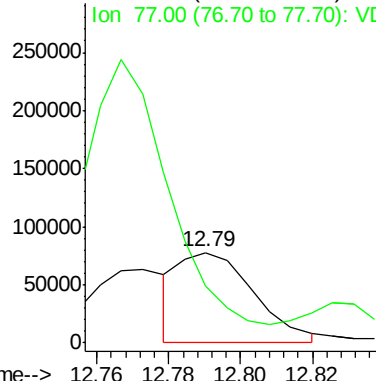
Lab File: VD065157.D

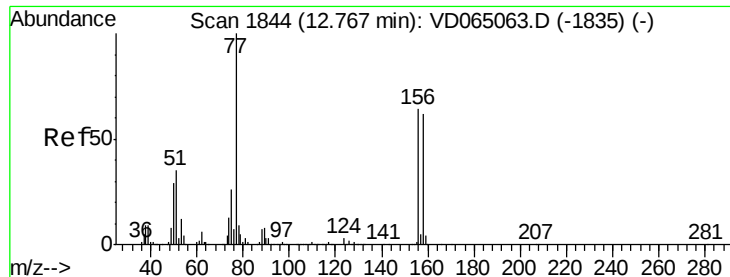
Acq: 12 Feb 2020 10:15

Tgt Ion:	75	Resp:	112579
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





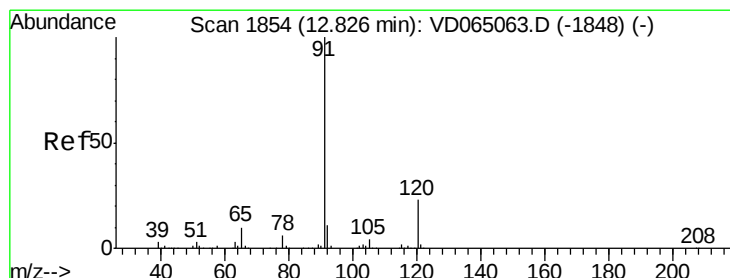
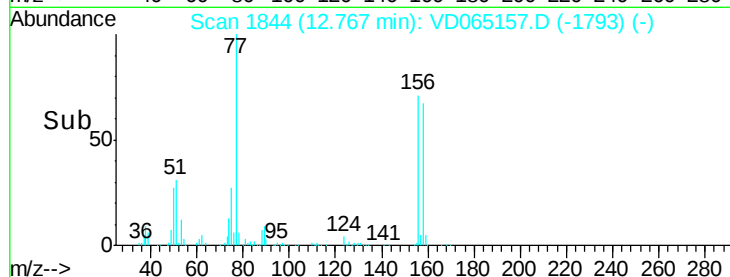
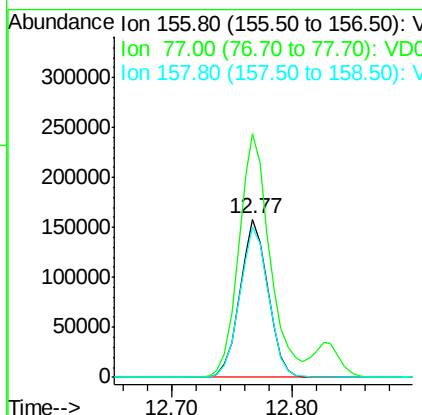
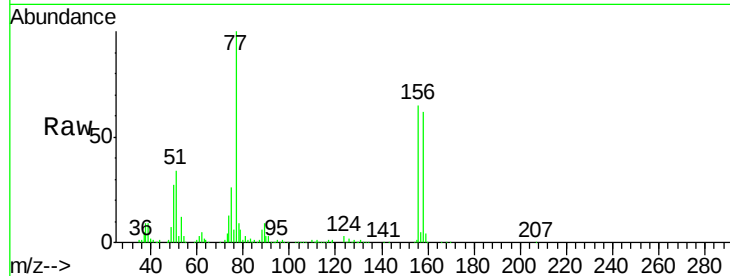
#77
Bromobenzene
Concen: 50.096 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	170.6	85.6	256.8
158	97.5	47.4	142.2

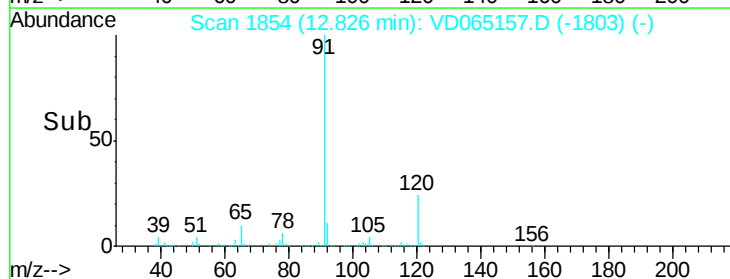
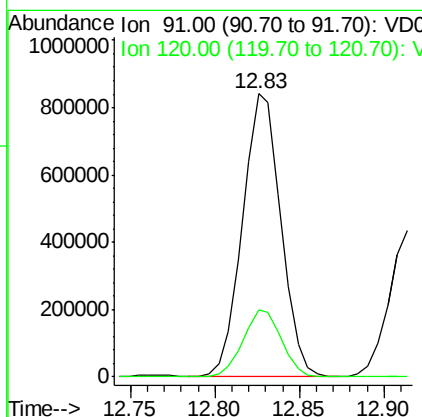
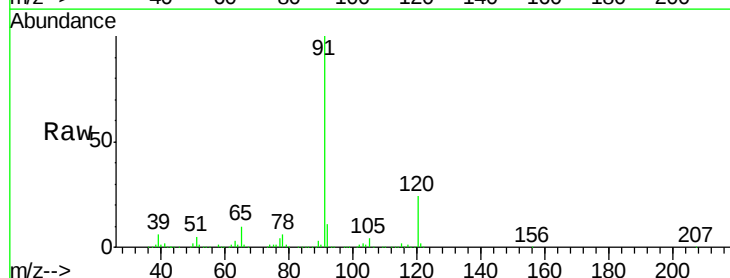
Manual Integrations
APPROVED

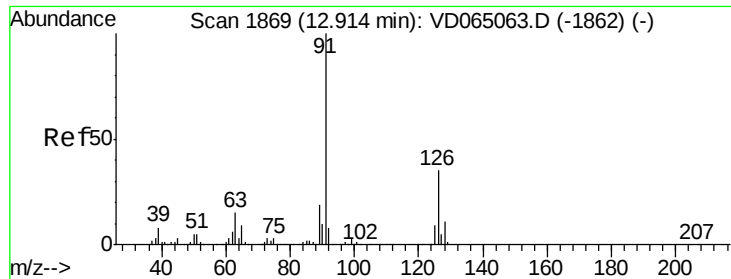
MMDadoda
2/13/2020 10:58:51 AM



#78
n-propylbenzene
Concen: 53.607 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.8	35.3





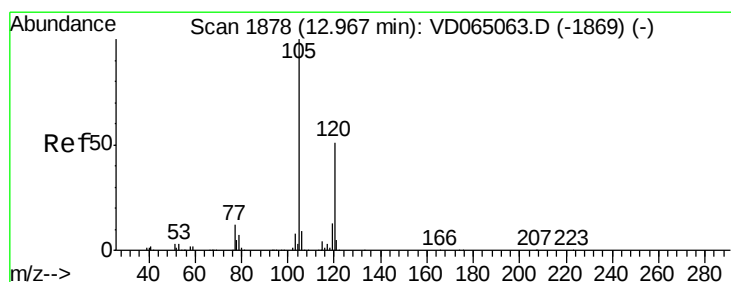
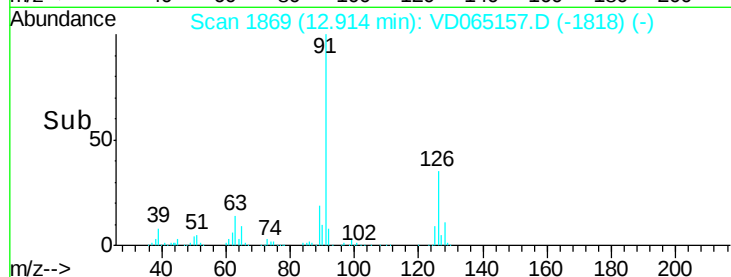
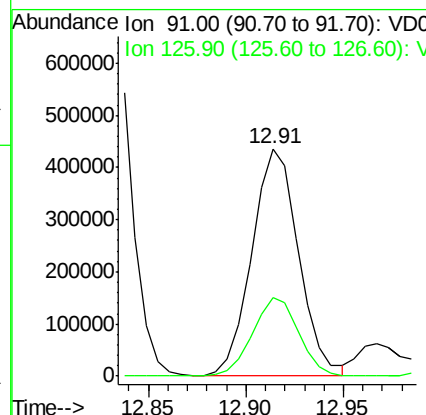
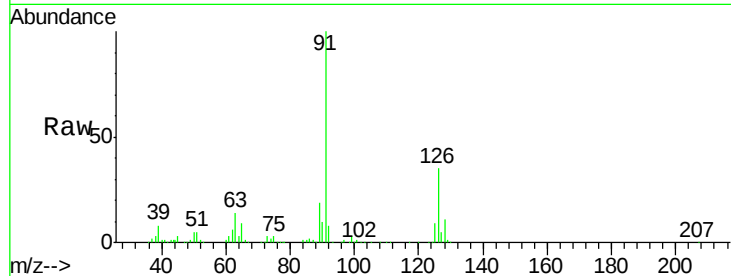
#79
 2-Chlorotoluene
 Concen: 52.249 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065157.D
 Acq: 12 Feb 2020 10:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 720950
 Ion Ratio Lower Upper
 91 100
 126 34.4 17.4 52.3

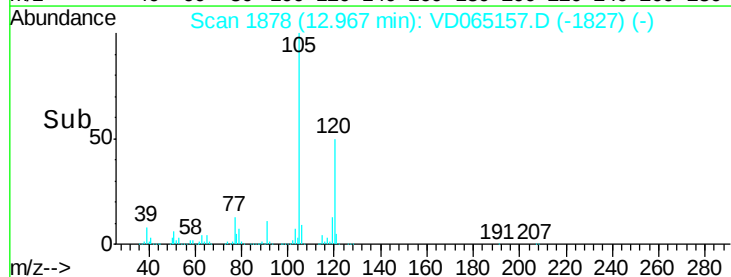
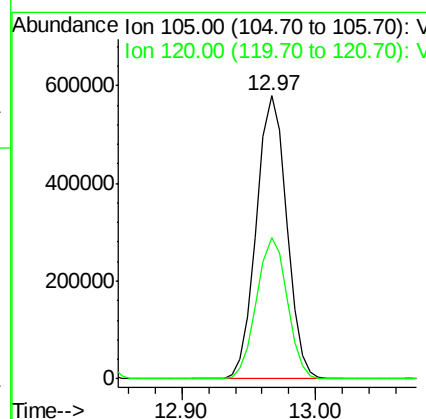
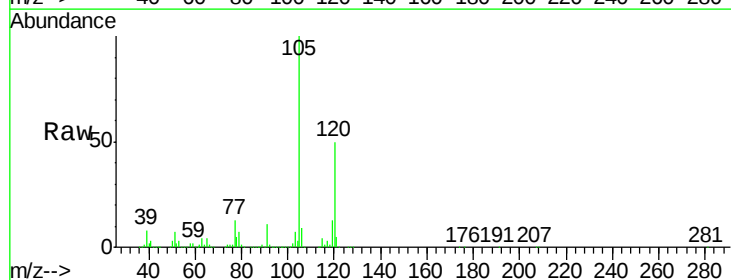
Manual Integrations
 APPROVED

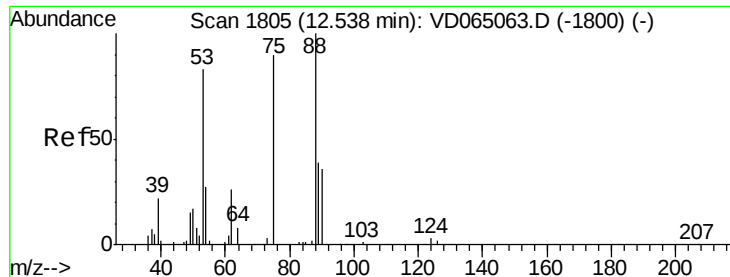
MMDadoda
 2/13/2020 10:58:51 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 52.468 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065157.D
 Acq: 12 Feb 2020 10:15

Tgt Ion: 105 Resp: 907327
 Ion Ratio Lower Upper
 105 100
 120 50.5 25.1 75.4





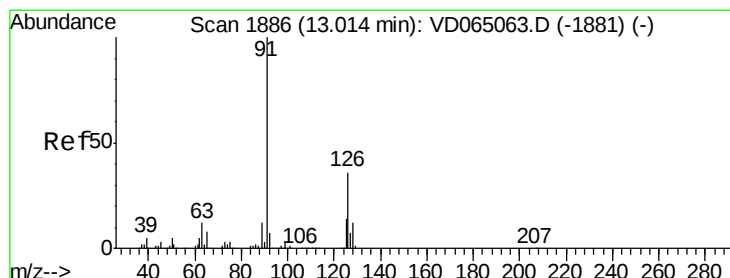
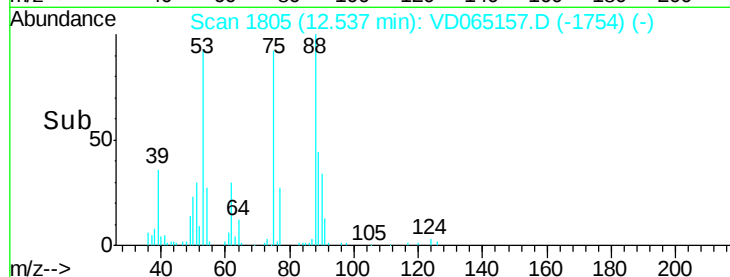
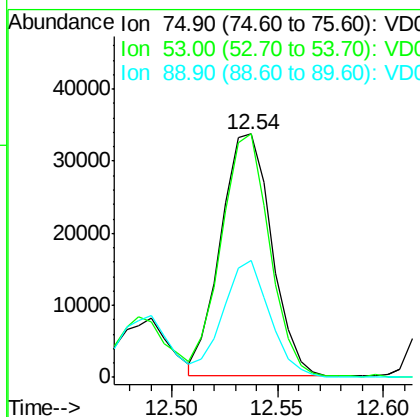
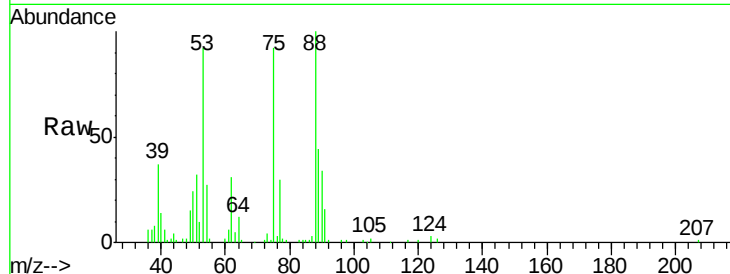
#81
trans-1,4-Dichloro-2-butene
Concen: 47.980 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.4	78.5	117.7
89	44.8	37.0	55.4

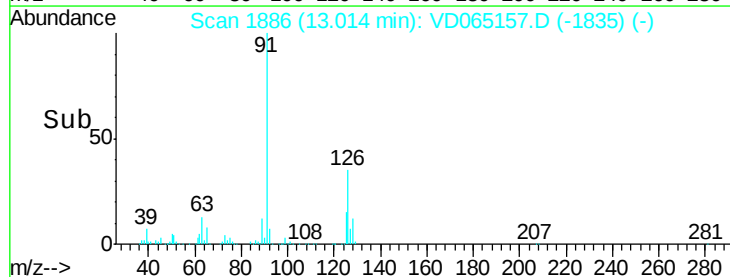
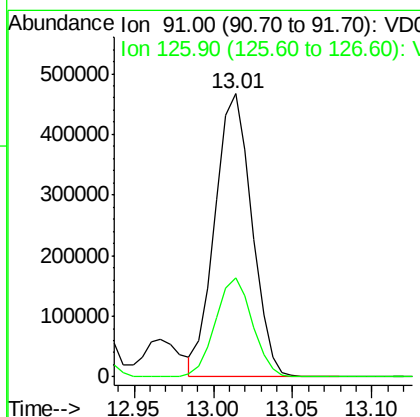
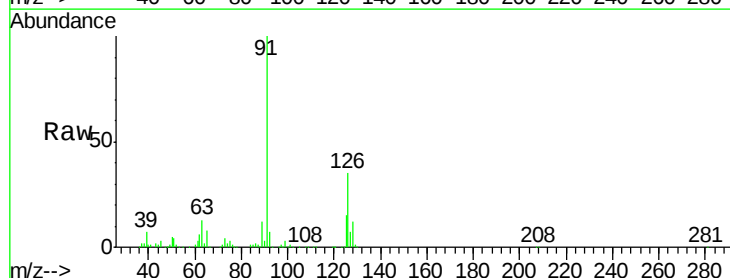
Manual Integrations
APPROVED

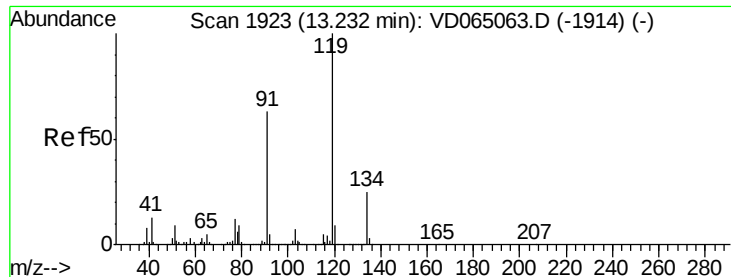
MMDadoda
2/13/2020 10:58:51 AM



#82
4-Chlorotoluene
Concen: 52.216 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.5	52.5





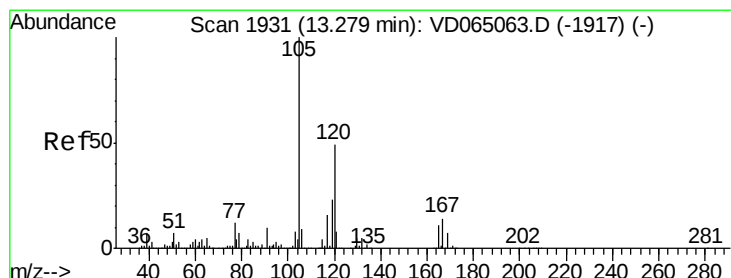
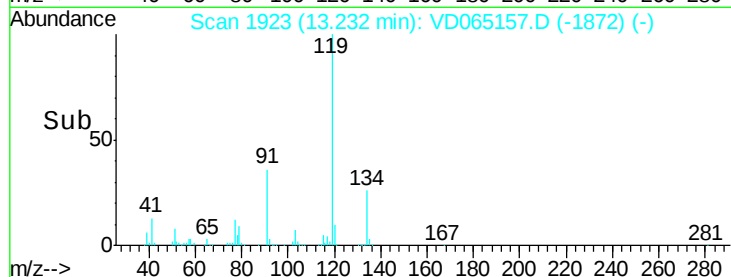
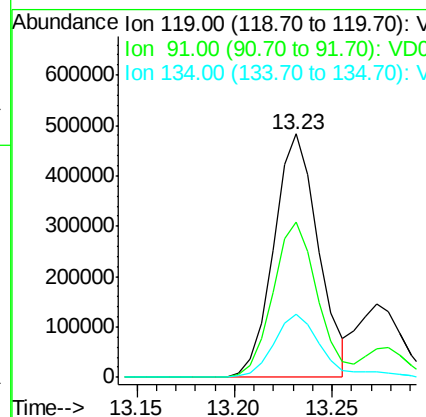
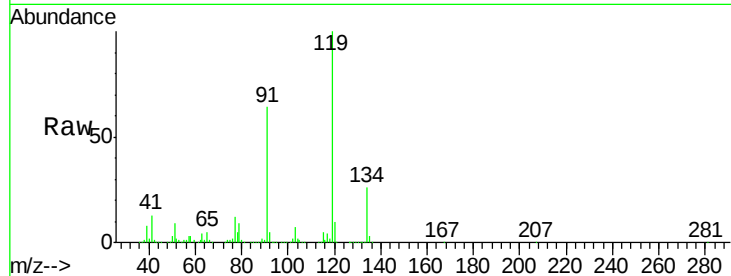
#83
tert-Butylbenzene
Concen: 51.221 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.0	32.3	96.9
134	28.1	13.8	41.3

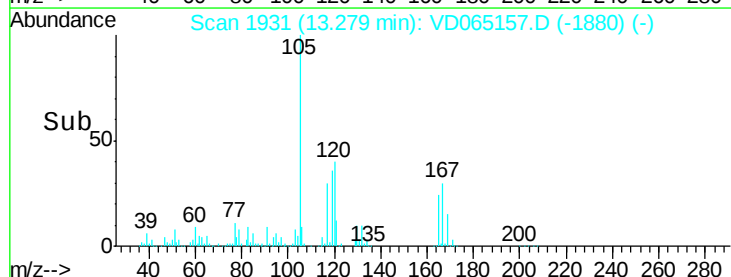
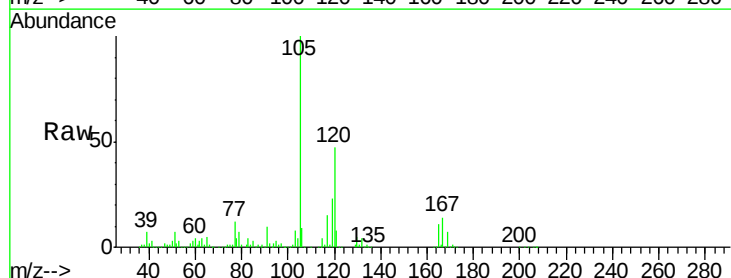
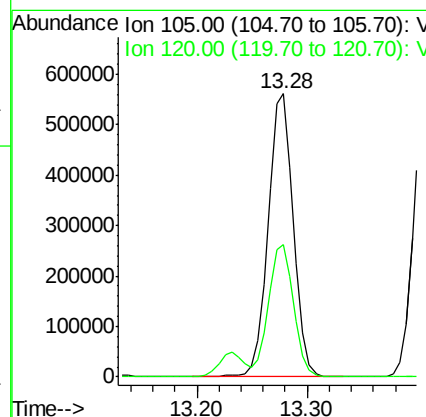
Manual Integrations
APPROVED

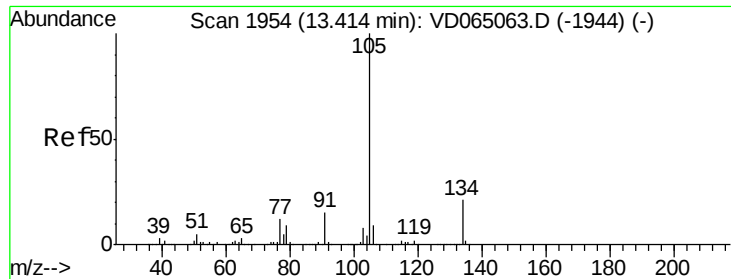
MMDadoda
2/13/2020 10:58:51 AM



#84
1,2,4-Trimethylbenzene
Concen: 52.118 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.5	70.5





#85

sec-Butylbenzene

Concen: 53.811 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.01 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1096486

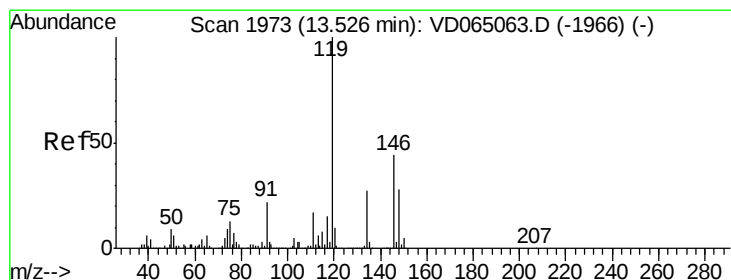
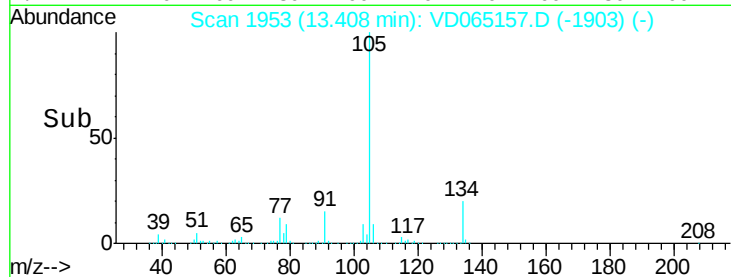
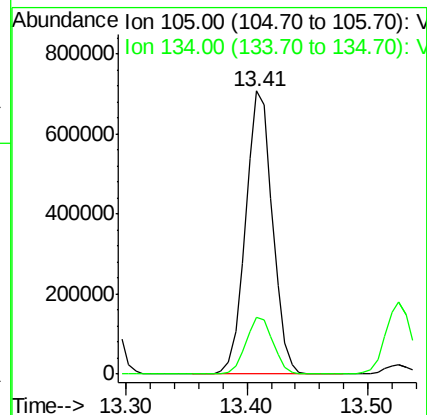
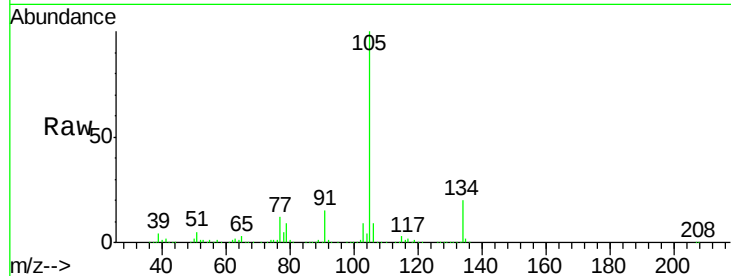
Ion Ratio Lower Upper

105 100

134 20.4 10.4 31.1

Manual Integrations
APPROVED

MMDadoda
2/13/2020 10:58:51 AM



#86

p-Isopropyltoluene

Concen: 53.683 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

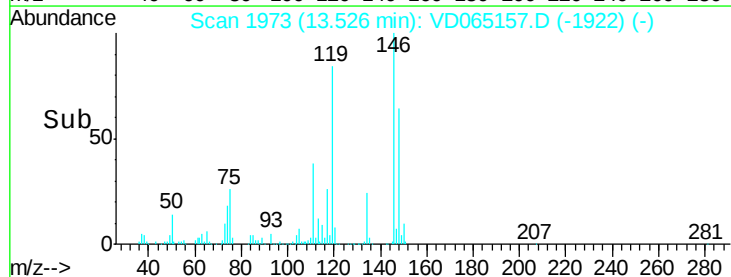
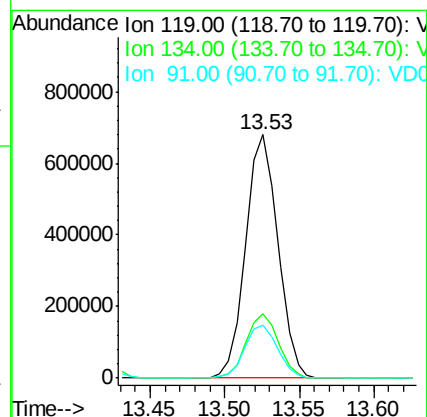
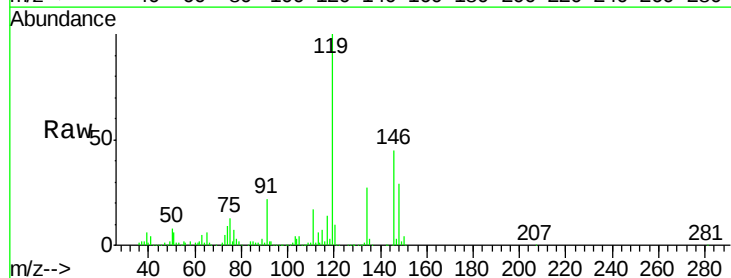
Tgt Ion:119 Resp: 1016341

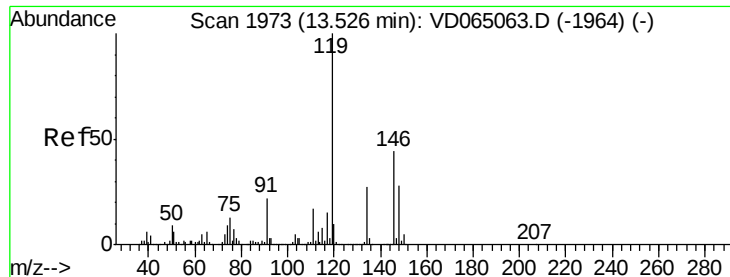
Ion Ratio Lower Upper

119 100

134 26.4 13.5 40.5

91 22.3 11.3 33.9





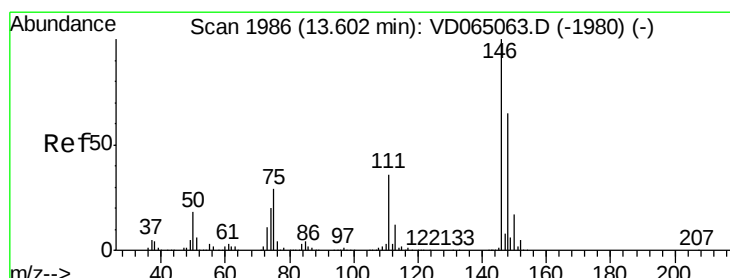
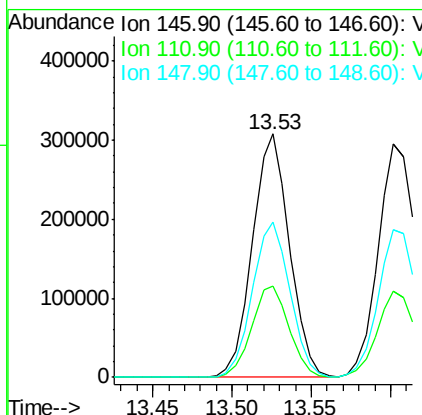
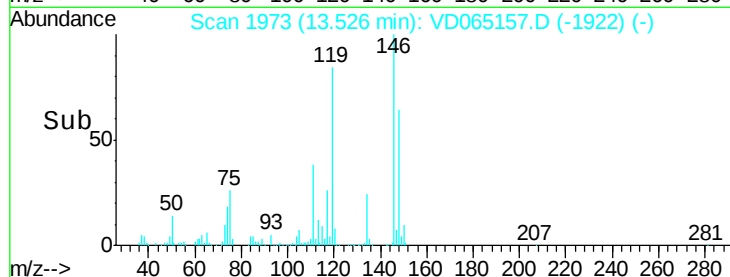
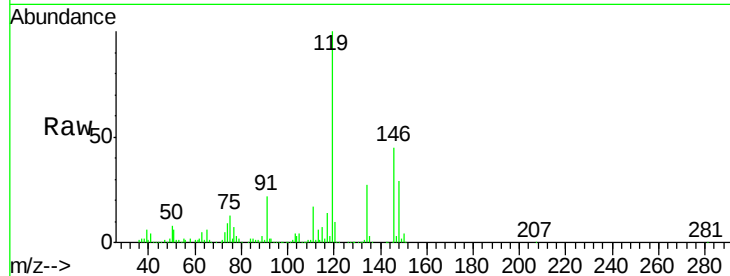
#87
 1,3-Dichlorobenzene
 Concen: 52.430 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065157.D
 Acq: 12 Feb 2020 10:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	499935		
111	38.0	19.4	58.4	
148	64.4	32.3	96.8	

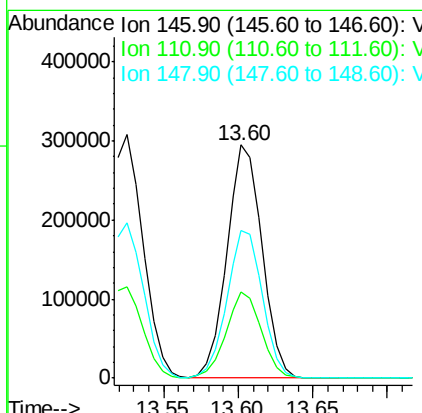
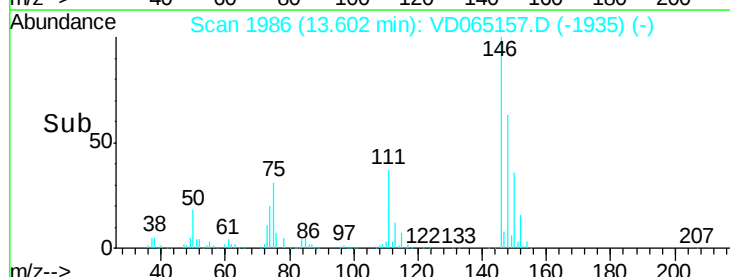
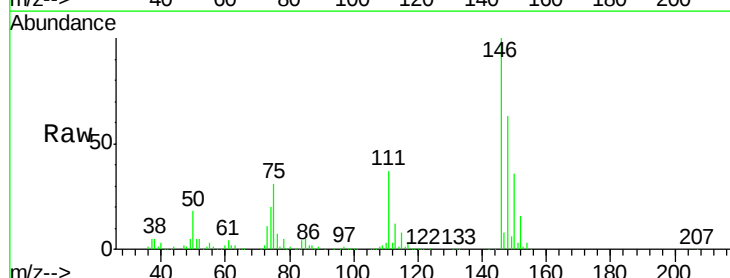
Manual Integrations
 APPROVED

MMDadoda
 2/13/2020 10:58:51 AM



#88
 1,4-Dichlorobenzene
 Concen: 51.091 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065157.D
 Acq: 12 Feb 2020 10:15

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	484867		
111	37.0	18.5	55.5	
148	64.2	32.7	98.1	





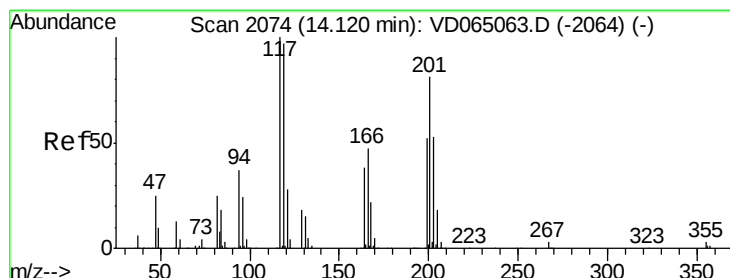
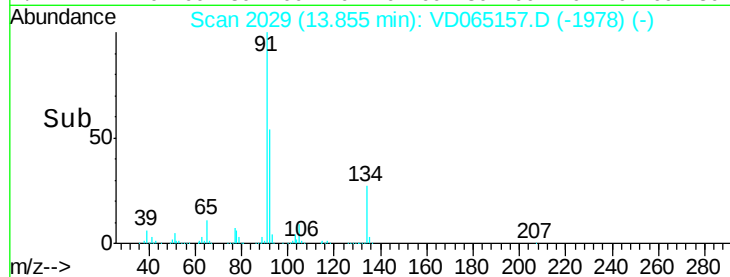
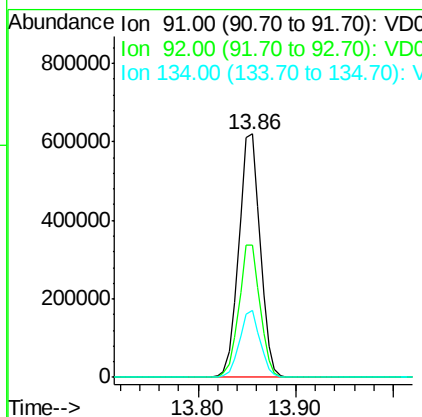
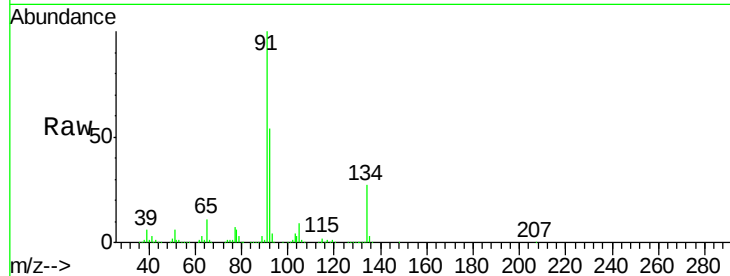
#89
n-Butylbenzene
Concen: 53.801 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.7	80.1
134	26.8	13.4	40.2

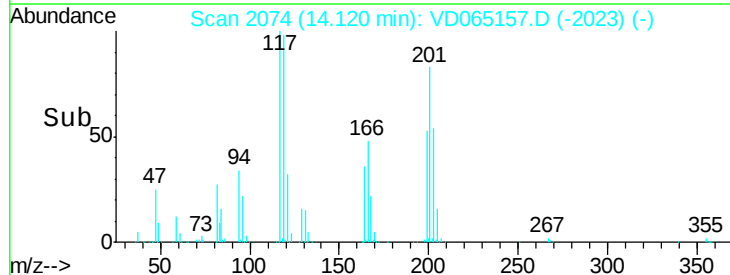
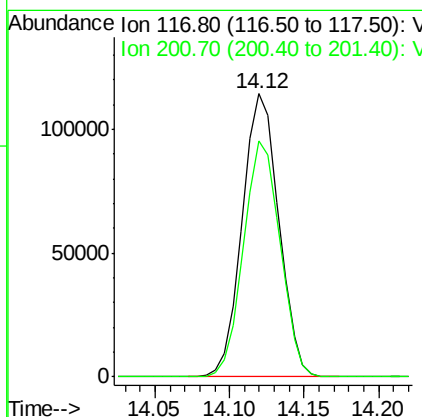
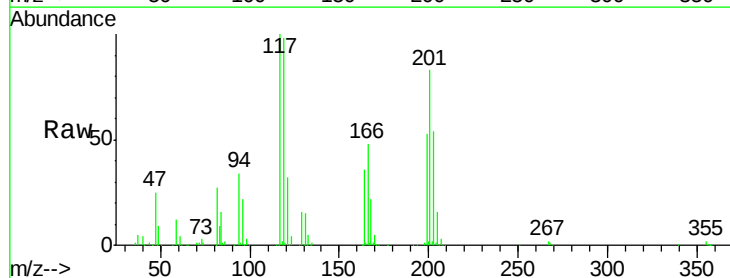
Manual Integrations
APPROVED

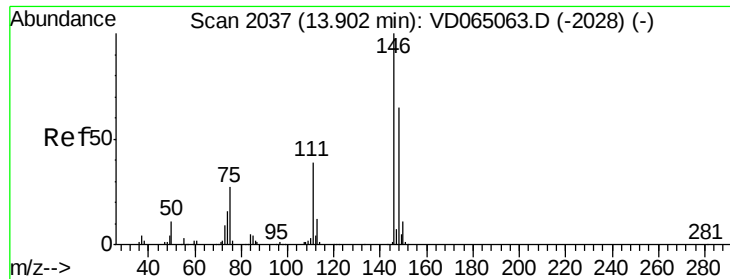
MMDadoda
2/13/2020 10:58:51 AM



#90
Hexachloroethane
Concen: 54.160 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.5	42.5	127.6





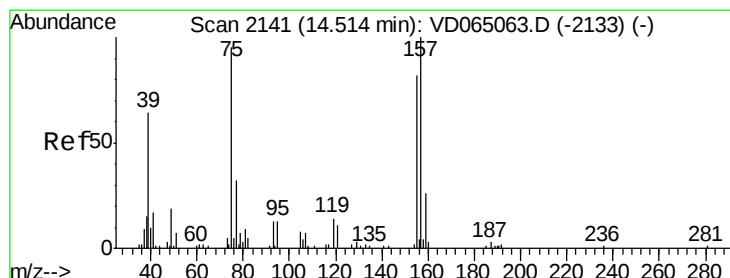
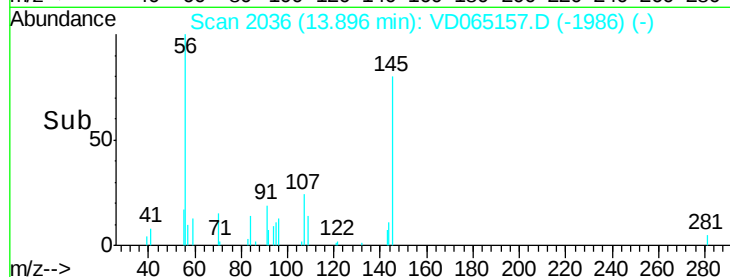
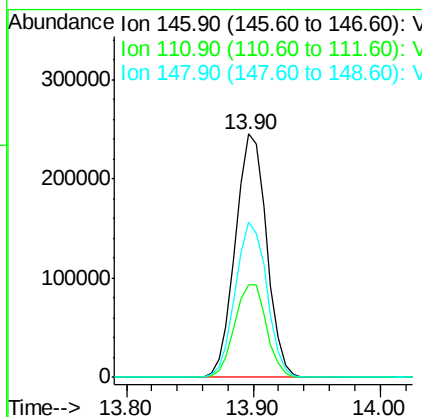
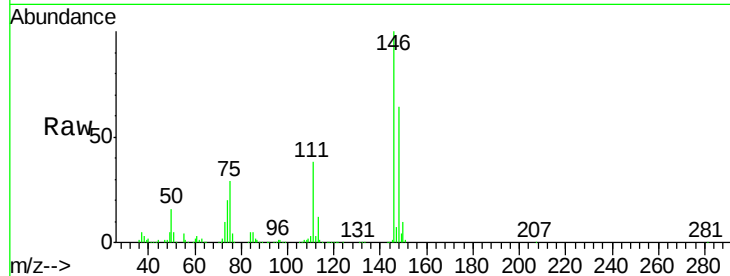
#91
 1,2-Dichlorobenzene
 Concen: 51.265 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065157.D
 Acq: 12 Feb 2020 10:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.7	59.1
148	64.1	31.9	95.5

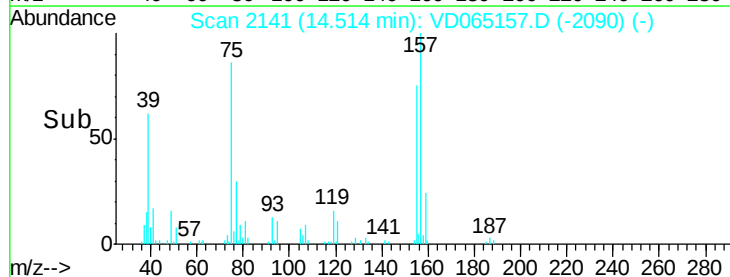
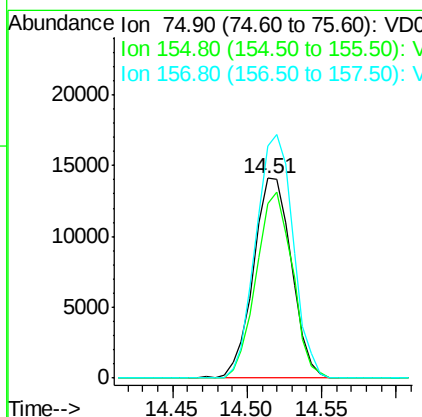
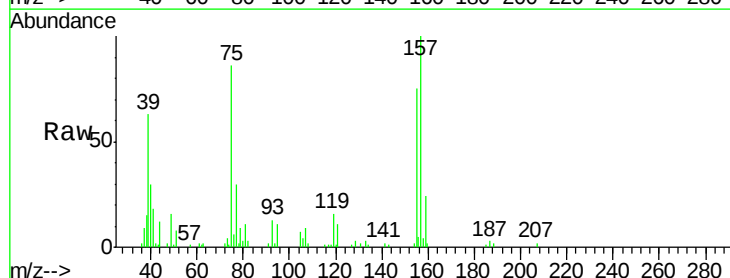
Manual Integrations
 APPROVED

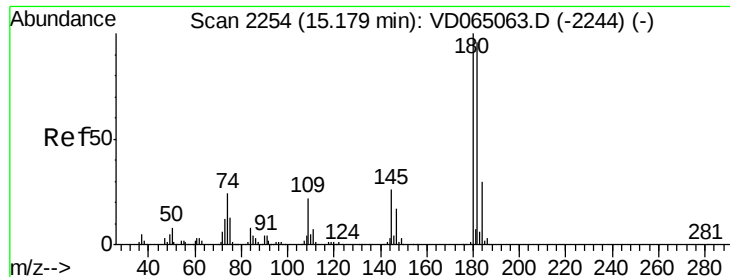
MMDadoda
 2/13/2020 10:58:51 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.867 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD065157.D
 Acq: 12 Feb 2020 10:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.2	43.4	130.1
157	119.3	55.8	167.3





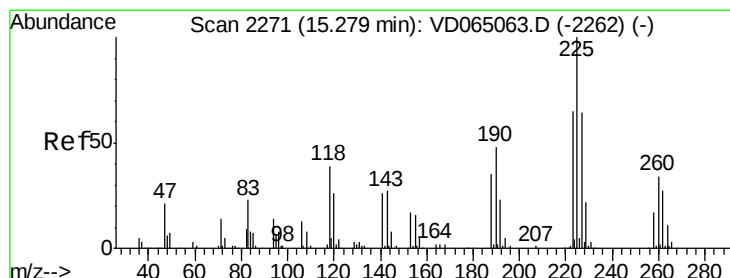
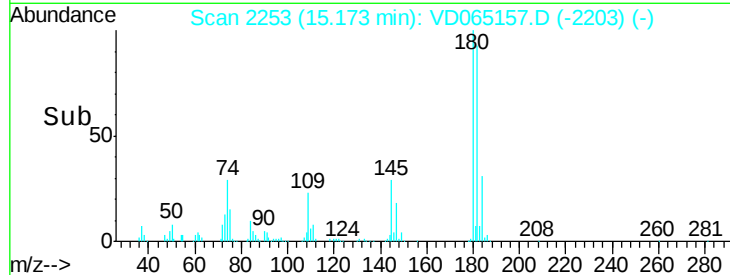
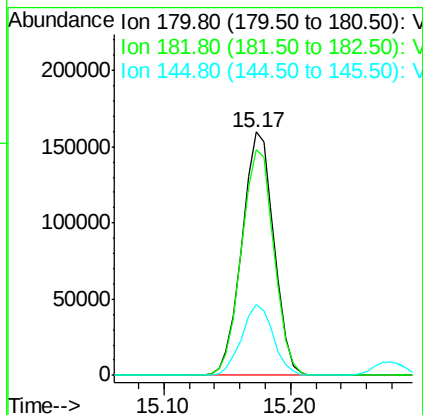
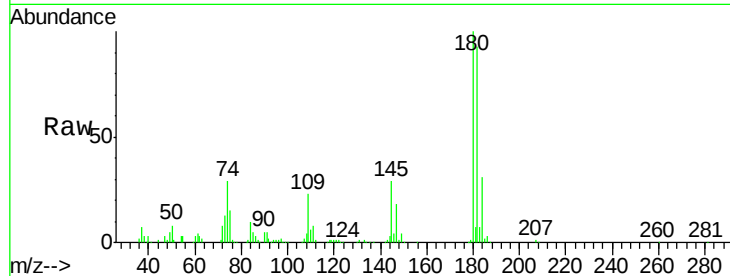
#93
 1,2,4-Trichlorobenzene
 Concen: 47.832 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065157.D
 Acq: 12 Feb 2020 10:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	279219		
182	94.5	47.4	142.3	
145	28.5	14.1	42.4	

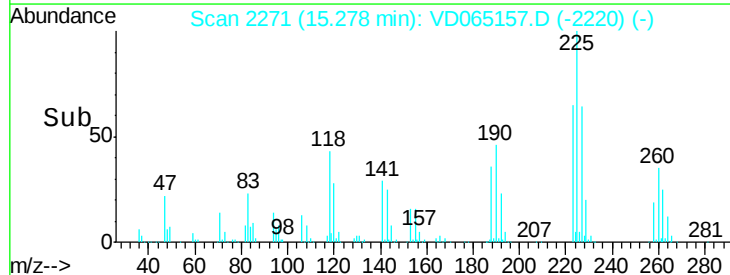
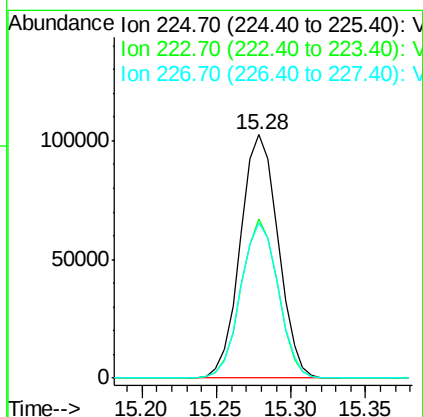
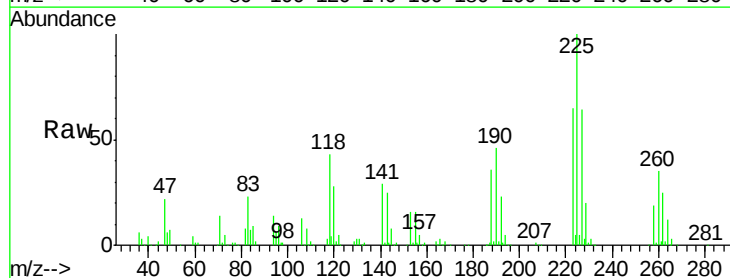
Manual Integrations
 APPROVED

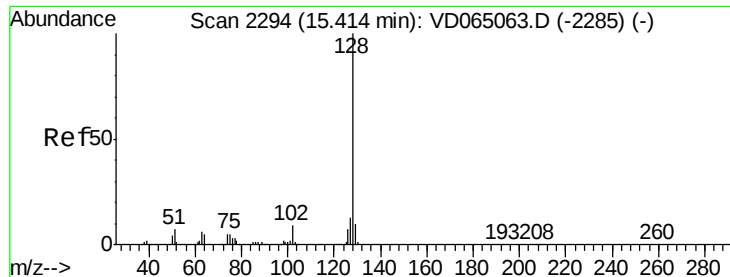
MMDadoda
 2/13/2020 10:58:51 AM



#94
 Hexachlorobutadiene
 Concen: 50.097 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065157.D
 Acq: 12 Feb 2020 10:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	179812		
223	63.6	31.4	94.0	
227	63.7	31.8	95.3	





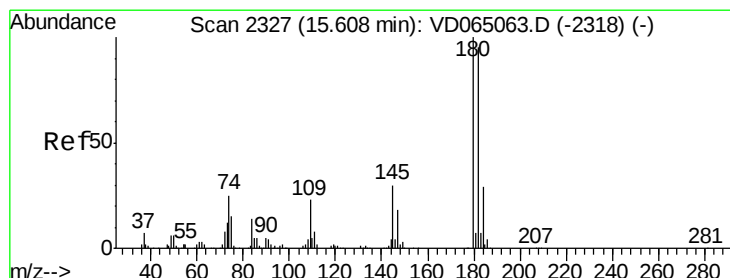
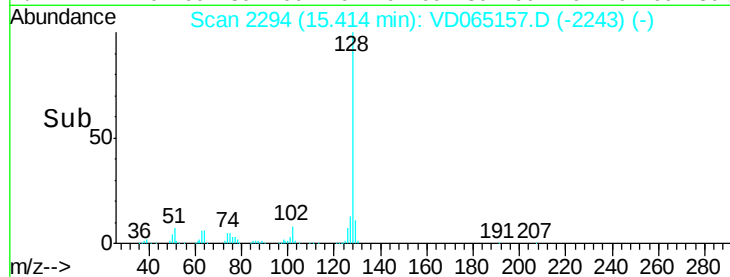
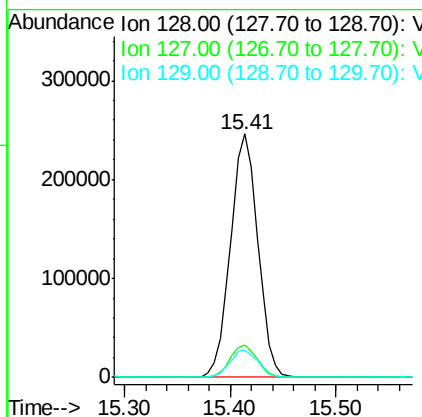
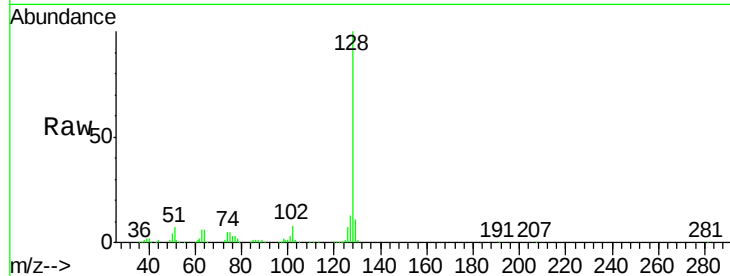
#95
Naphthalene
Concen: 45.260 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	11.4	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/13/2020 10:58:51 AM



#96
1,2,3-Trichlorobenzene
Concen: 46.396 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.1	141.4
145	31.2	14.9	44.9

