

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020620\
 Data File : VD065078.D
 Acq On : 06 Feb 2020 10:53
 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
 2/7/2020 12:05:28 PM

Quant Time: Feb 07 06:14:19 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	467510	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	679196	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	604159	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	294000	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	219657	55.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.56%	
35) Dibromofluoromethane	7.92	113	221307	58.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.80%	
50) Toluene-d8	10.34	98	868164	57.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.12%	
62) 4-Bromofluorobenzene	12.64	95	268415	56.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	206964	53.198	ug/l	94
3) Chloromethane	2.21	50	249799	54.545	ug/l	94
4) Vinyl Chloride	2.35	62	272799	56.324	ug/l	99
5) Bromomethane	2.77	94	165233	52.615	ug/l	96
6) Chloroethane	2.93	64	166629	55.462	ug/l	99
7) Trichlorofluoromethane	3.27	101	399274	56.647	ug/l	98
8) Diethyl Ether	3.71	74	97530	48.200	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	222130	51.551	ug/l	98
10) Methyl Iodide	4.30	142	243051	49.419	ug/l	98
11) Tert butyl alcohol	5.26	59	52403	215.853	ug/l	99
12) 1,1-Dichloroethene	4.06	96	207388	50.254	ug/l	92
13) Acrolein	3.92	56	74301	248.829	ug/l	100
14) Allyl chloride	4.71	41	344540	50.234	ug/l	98
15) Acrylonitrile	5.43	53	213473	241.311	ug/l	99
16) Acetone	4.17	43	257025	258.725	ug/l	100
17) Carbon Disulfide	4.40	76	698350	52.705	ug/l	99
18) Methyl Acetate	4.72	43	97335	46.896	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	438245	48.023	ug/l	99
20) Methylene Chloride	4.97	84	224223	51.368	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	238714	51.128	ug/l	97
22) Diisopropyl ether	6.37	45	662372	51.200	ug/l	96
23) Vinyl Acetate	6.31	43	1825588	253.172	ug/l	98
24) 1,1-Dichloroethane	6.27	63	405052	51.727	ug/l	99
25) 2-Butanone	7.22	43	292302	246.666	ug/l	98
26) 2,2-Dichloropropane	7.21	77	372811	53.117	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	250690	50.540	ug/l	99
28) Bromochloromethane	7.55	49	167689	56.492	ug/l	98
29) Tetrahydrofuran	7.57	42	175946	245.522	ug/l	97
30) Chloroform	7.71	83	408308	52.367	ug/l	93
31) Cyclohexane	7.98	56	392396	49.642	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	381259	52.493	ug/l	99
36) 1,1-Dichloropropene	8.11	75	337127	53.381	ug/l	99
37) Ethyl Acetate	7.30	43	125446	48.620	ug/l	99
38) Carbon Tetrachloride	8.10	117	344884	53.469	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020620\
 Data File : VD065078.D
 Acq On : 06 Feb 2020 10:53
 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
 2/7/2020 12:05:28 PM

Quant Time: Feb 07 06:14:19 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	416734	53.459	ug/l	96
40) Benzene	8.36	78	928039	53.213	ug/l	97
41) Methacrylonitrile	7.53	41	71069	49.998	ug/l	99
42) 1,2-Dichloroethane	8.43	62	256969	51.711	ug/l	99
43) Isopropyl Acetate	8.46	43	237931	48.207	ug/l	99
44) Trichloroethene	9.11	130	256298	51.199	ug/l	98
45) 1,2-Dichloropropane	9.39	63	222760	53.273	ug/l	95
46) Dibromomethane	9.48	93	114888	52.287	ug/l	96
47) Bromodichloromethane	9.67	83	307124	53.048	ug/l	99
48) Methyl methacrylate	9.46	41	113097	47.620	ug/l	99
49) 1,4-Dioxane	9.47	88	25651	985.634	ug/l	96
51) 4-Methyl-2-Pentanone	10.24	43	601076	247.421	ug/l	99
52) Toluene	10.41	92	586445	52.686	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	284696	50.506	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	349821	51.889	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	151926	50.409	ug/l	97
56) Ethyl methacrylate	10.67	69	189025	49.569	ug/l	98
57) 1,3-Dichloropropane	10.96	76	269552	50.863	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	293369	237.129	ug/l	100
59) 2-Hexanone	10.99	43	457497	265.867	ug/l	100
60) Dibromochloromethane	11.14	129	203837	52.216	ug/l	99
61) 1,2-Dibromoethane	11.26	107	148793	50.526	ug/l	99
64) Tetrachloroethene	10.88	164	230148	53.015	ug/l	98
65) Chlorobenzene	11.68	112	602867	51.592	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	223040	51.716	ug/l	99
67) Ethyl Benzene	11.75	91	1131659	53.305	ug/l	98
68) m/p-Xylenes	11.86	106	876528	108.174	ug/l	100
69) o-Xylene	12.19	106	386257	52.935	ug/l	98
70) Styrene	12.20	104	679301	53.564	ug/l	100
71) Bromoform	12.37	173	117475	50.606	ug/l	# 100
73) Isopropylbenzene	12.49	105	1062700	52.664	ug/l	100
74) N-amyl acetate	12.30	43	213153	48.598	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	156478	49.271	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	116234m	52.219	ug/l	
77) Bromobenzene	12.77	156	244606	50.312	ug/l	98
78) n-propylbenzene	12.83	91	1269241	53.710	ug/l	99
79) 2-Chlorotoluene	12.92	91	675320	51.268	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	869674	52.680	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	54295	48.783	ug/l	100
82) 4-Chlorotoluene	13.01	91	714259	51.630	ug/l	99
83) tert-Butylbenzene	13.23	119	752023	52.802	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	873054	53.269	ug/l	99
85) sec-Butylbenzene	13.41	105	1046069	53.776	ug/l	100
86) p-Isopropyltoluene	13.53	119	982575	54.365	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	474054	52.078	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	465228	51.350	ug/l	98
89) n-Butylbenzene	13.86	91	899225	53.904	ug/l	99
90) Hexachloroethane	14.13	117	181611	53.065	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	398265	51.080	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	24343	46.955	ug/l	94

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD020620\
Data File : VD065078.D
Acq On : 06 Feb 2020 10:53
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

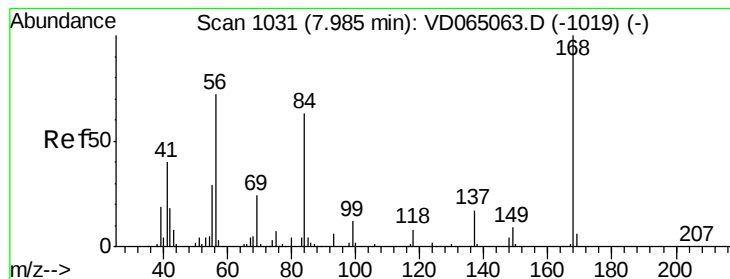
Manual Integrations
APPROVED

MMDadoda
2/7/2020 12:05:28 PM

Quant Time: Feb 07 06:14:19 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	15.18	180	269618	48.382	ug/l	99
94) Hexachlorobutadiene	15.28	225	177135	51.695	ug/l	99
95) Naphthalene	15.42	128	437230	47.205	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	236132	49.538	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 467510

Ion Ratio Lower Upper

168 100

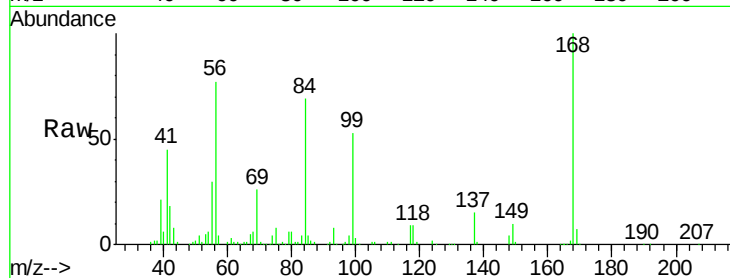
99 52.3 41.0 61.6

Manual Integrations

APPROVED

MMDadoda

2/7/2020 12:05:28 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

250000

200000

150000

100000

50000

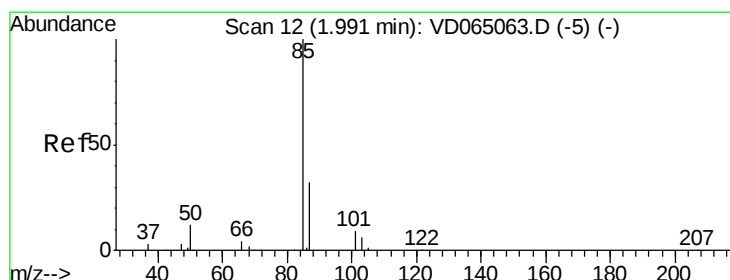
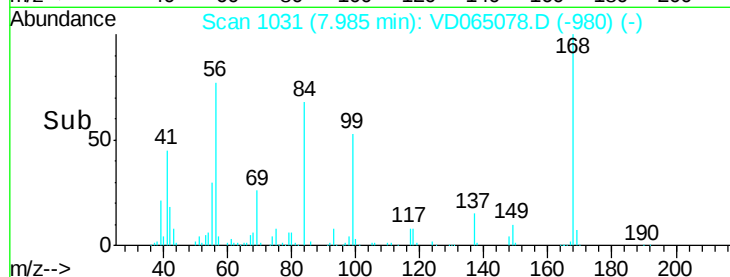
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 53.198 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065078.D

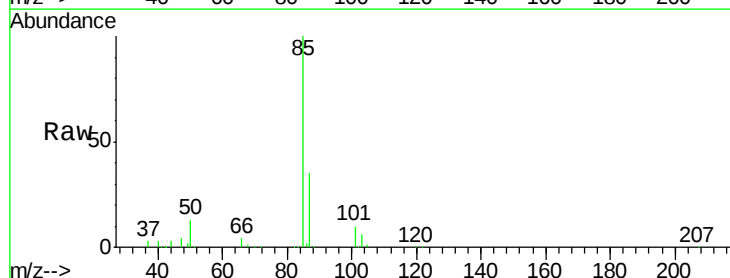
Acq: 06 Feb 2020 10:53

Tgt Ion: 85 Resp: 206964

Ion Ratio Lower Upper

85 100

87 34.6 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

150000

100000

50000

0

1.90

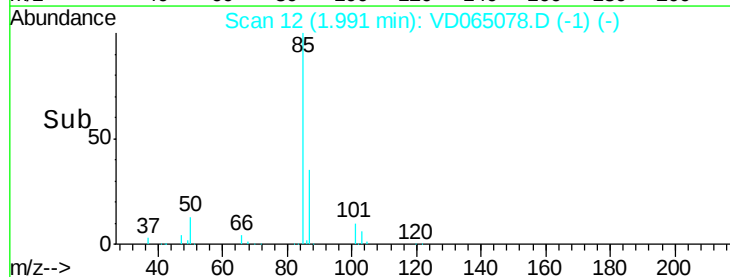
1.95

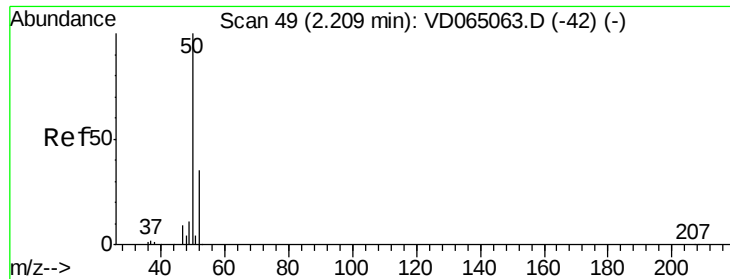
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 54.545 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 249799

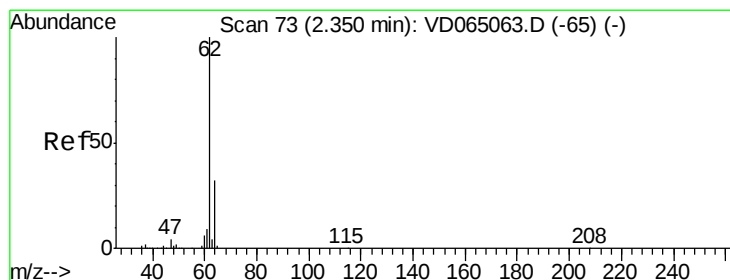
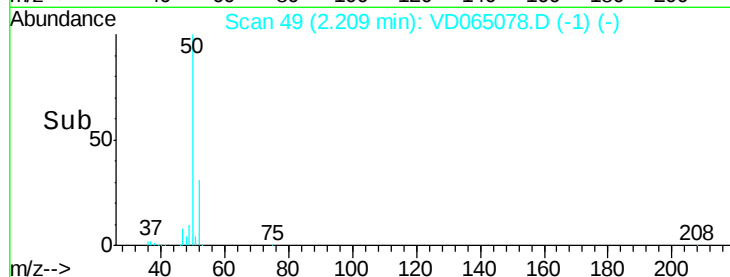
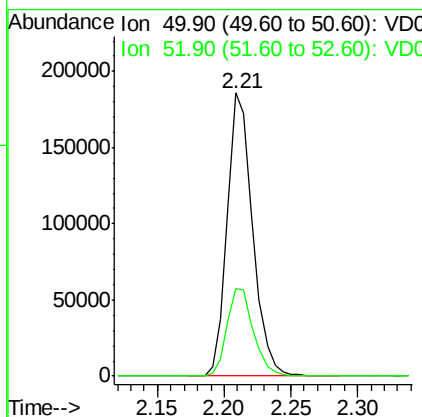
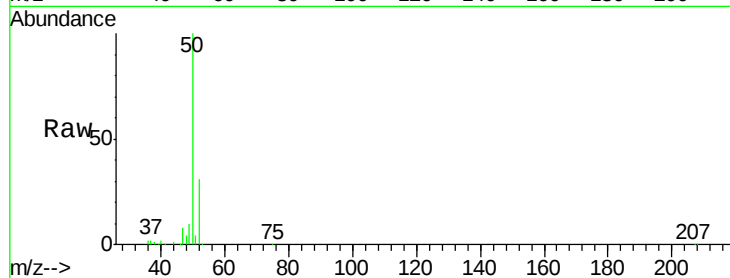
Ion Ratio Lower Upper

50 100

52 31.2 27.8 41.6

Manual Integrations
APPROVED

MMDadoda
2/7/2020 12:05:28 PM



#4

Vinyl Chloride

Concen: 56.324 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065078.D

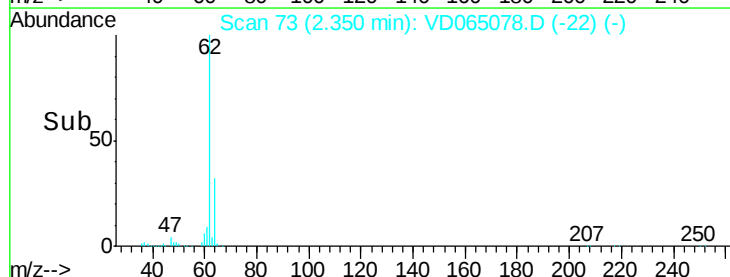
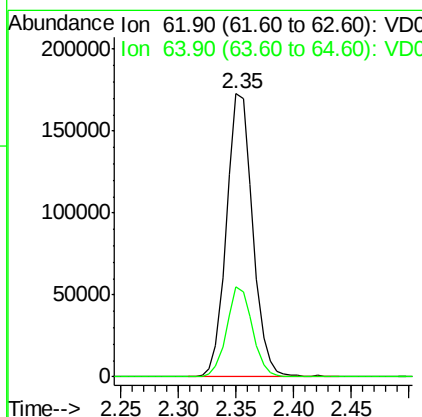
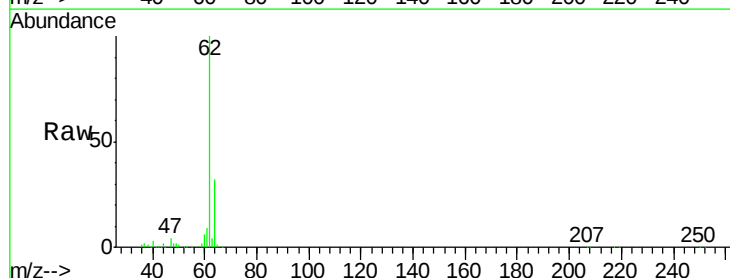
Acq: 06 Feb 2020 10:53

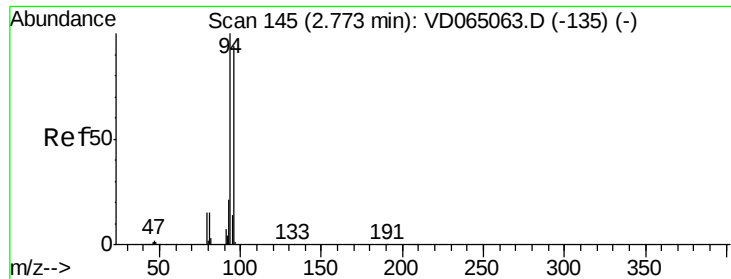
Tgt Ion: 62 Resp: 272799

Ion Ratio Lower Upper

62 100

64 31.8 25.9 38.9





#5

Bromomethane

Concen: 52.615 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 165233

Ion Ratio Lower Upper

94 100

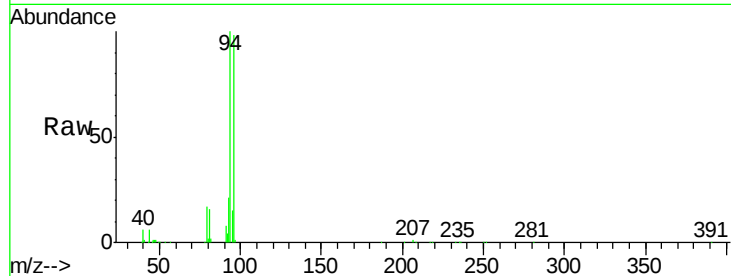
96 98.0 75.4 113.0

Manual Integrations

APPROVED

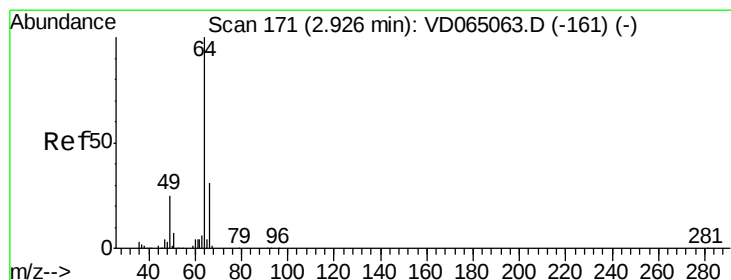
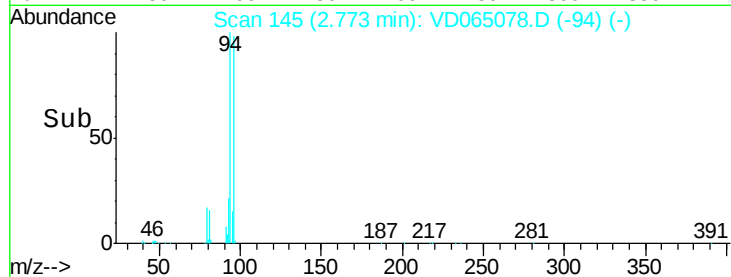
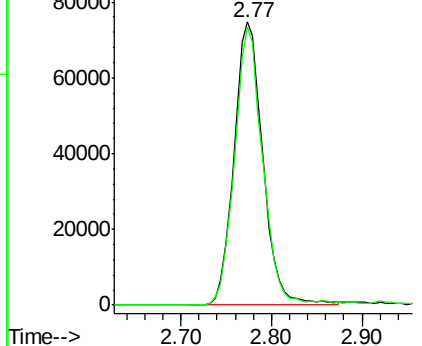
MMDadoda

2/7/2020 12:05:28 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 55.462 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065078.D

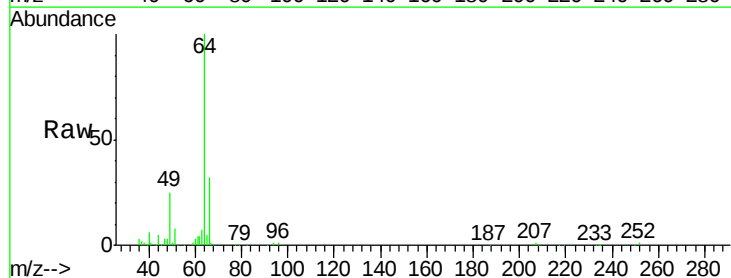
Acq: 06 Feb 2020 10:53

Tgt Ion: 64 Resp: 166629

Ion Ratio Lower Upper

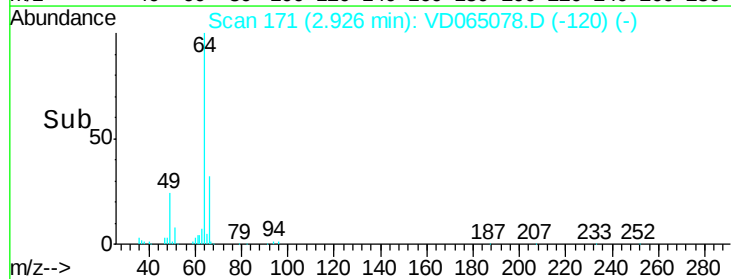
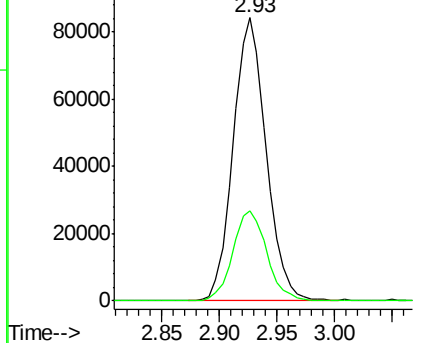
64 100

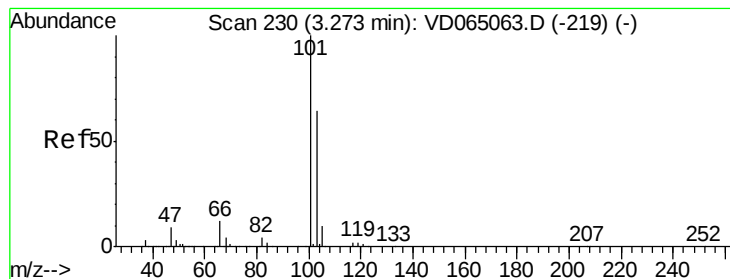
66 31.7 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

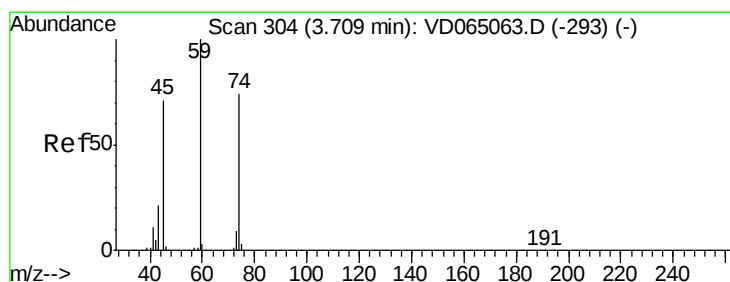
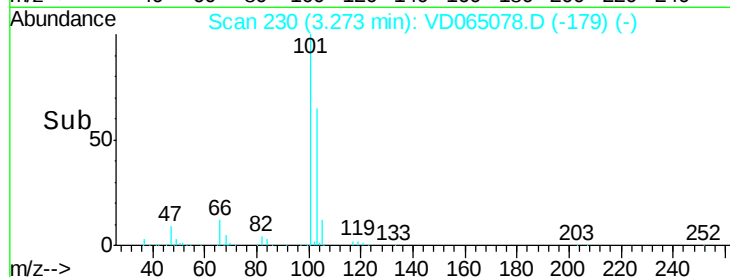
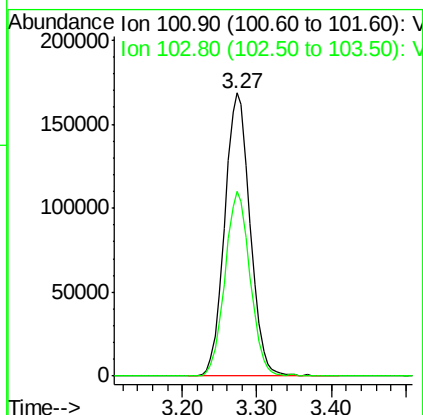
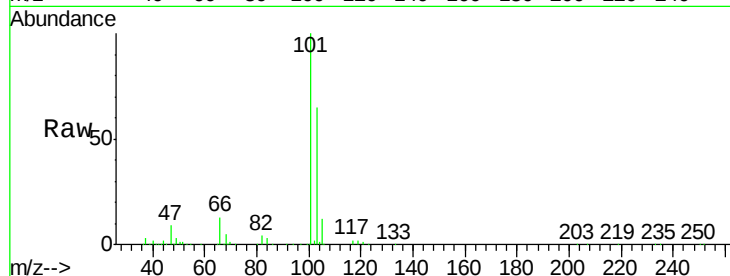
Trichlorofluoromethane
 Concen: 56.647 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065078.D
 Acq: 06 Feb 2020 10:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.0	76.6

Manual Integrations
 APPROVED

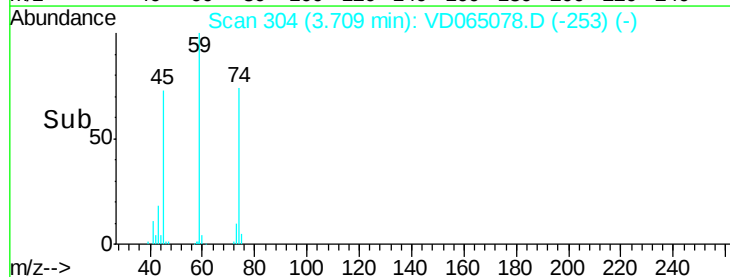
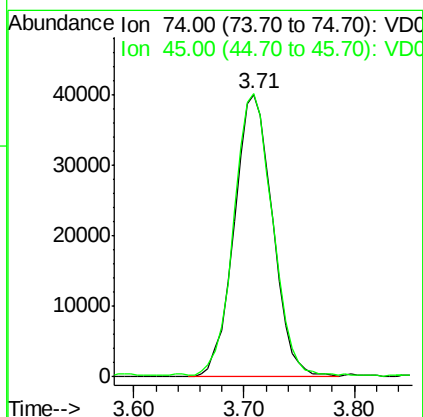
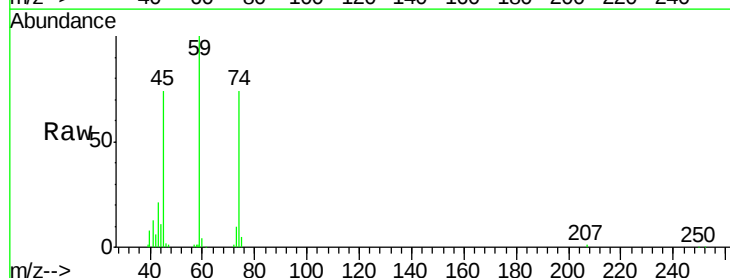
MMDadoda
 2/7/2020 12:05:28 PM

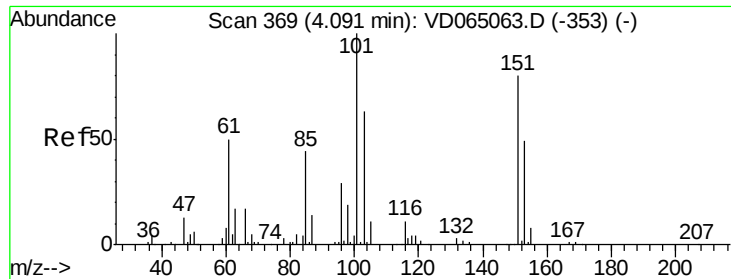


#8

Diethyl Ether
 Concen: 48.200 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065078.D
 Acq: 06 Feb 2020 10:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.1	49.0	147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.551 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Instrument :

MSVOA_D

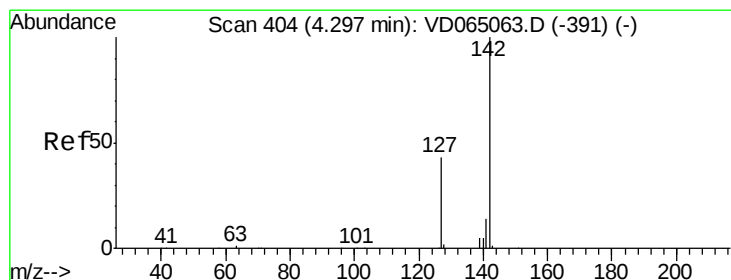
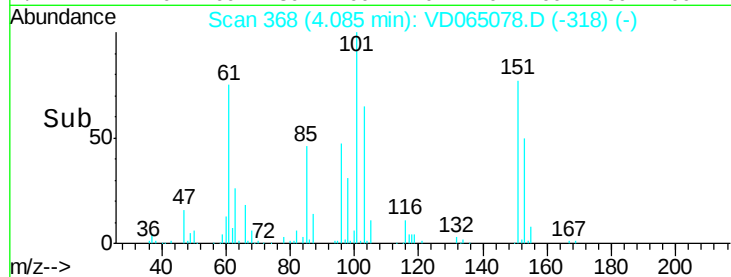
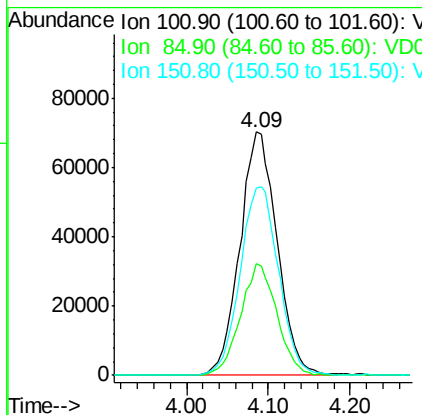
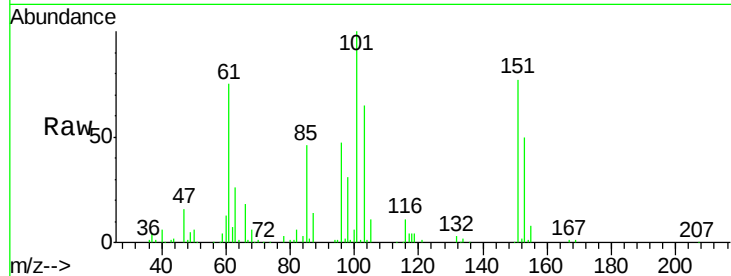
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	222130
Ion Ratio	Lower	Upper	
101	100		
85	45.0	34.0	51.0
151	80.2	64.0	96.0

Manual Integrations
APPROVED

MMDadoda
2/7/2020 12:05:28 PM



#10

Methyl Iodide

Concen: 49.419 ug/l

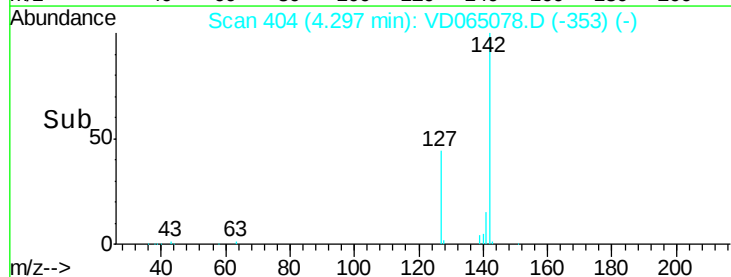
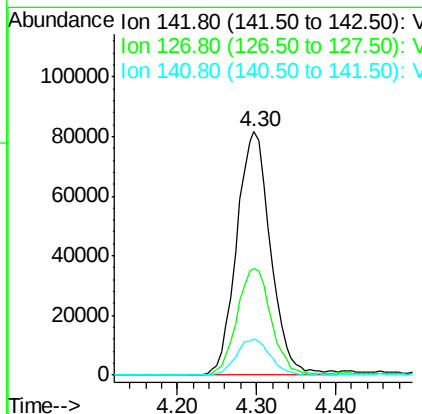
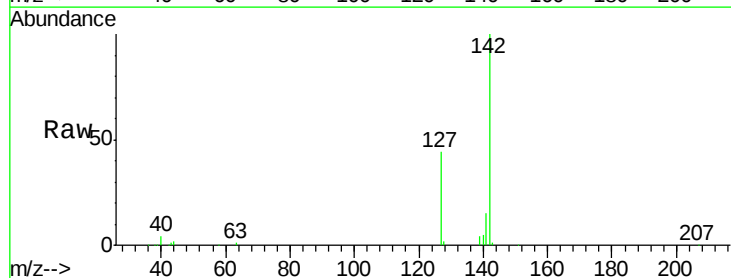
RT: 4.30 min Scan# 404

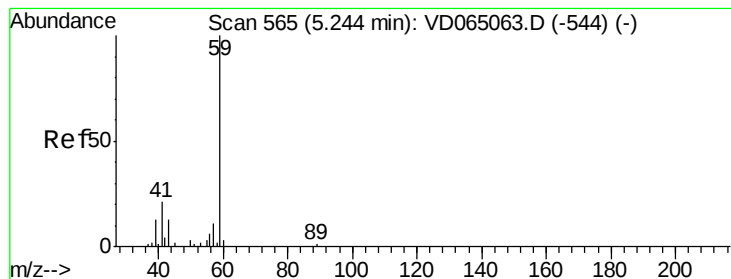
Delta R.T. -0.00 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Tgt Ion:	142	Resp:	243051
Ion Ratio	Lower	Upper	
142	100		
127	44.0	34.0	51.0
141	14.9	11.6	17.4





#11

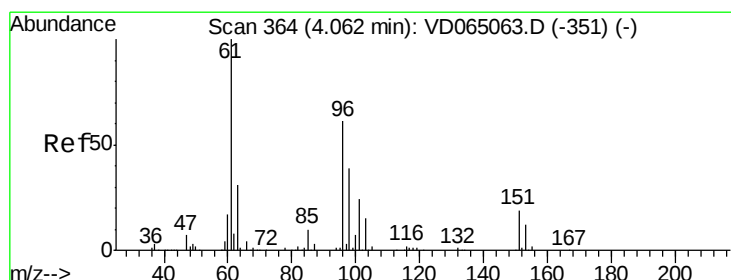
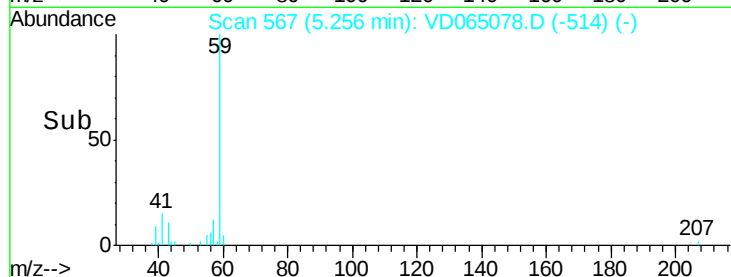
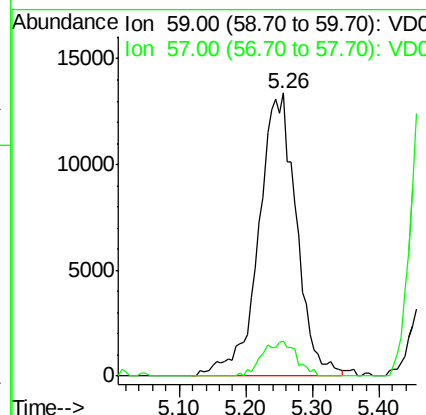
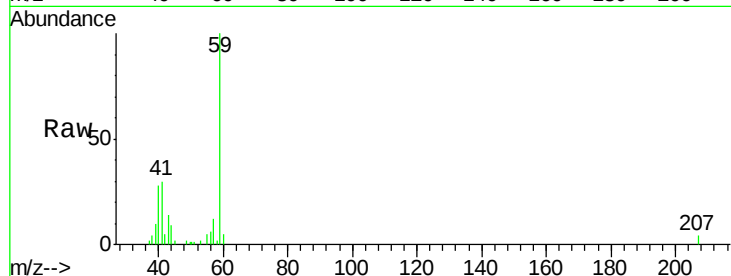
Tert butyl alcohol
 Concen: 215.853 ug/l
 RT: 5.26 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: VD065078.D
 Acq: 06 Feb 2020 10:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.3	8.8	13.2

Manual Integrations
 APPROVED

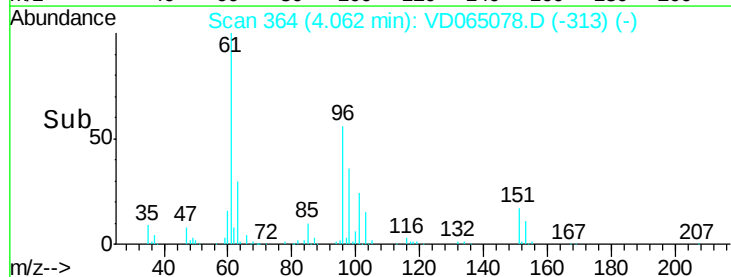
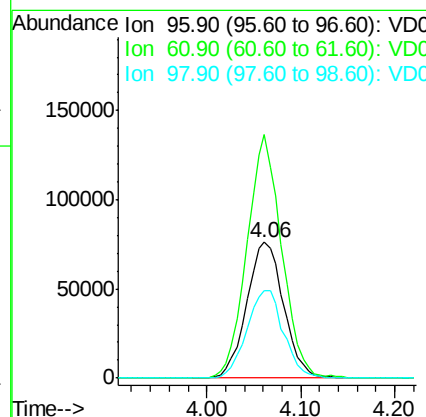
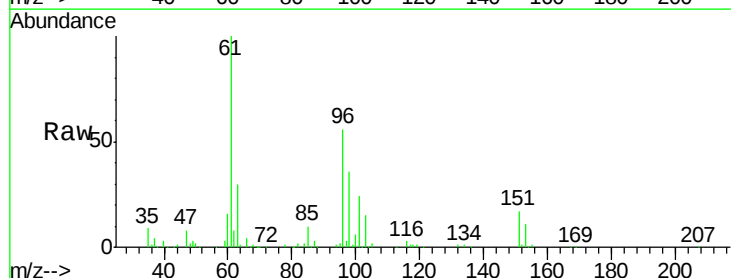
MMDadoda
 2/7/2020 12:05:28 PM



#12

1,1-Dichloroethene
 Concen: 50.254 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VD065078.D
 Acq: 06 Feb 2020 10:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	179.5	131.4	197.2
98	64.4	51.1	76.7





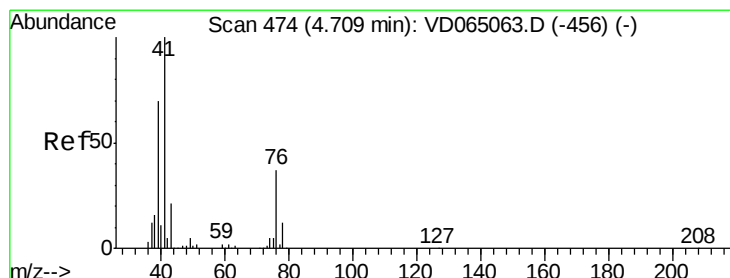
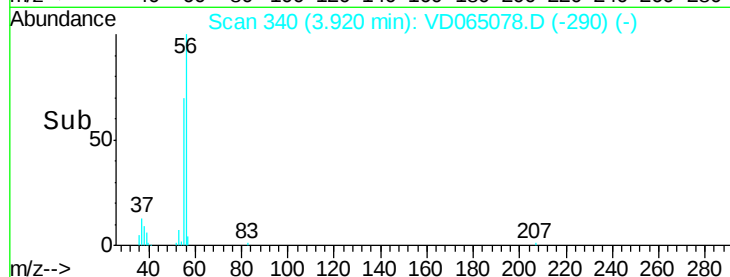
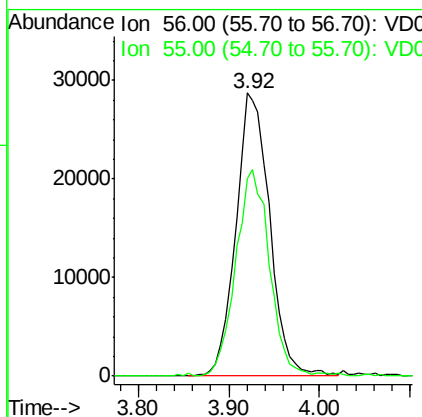
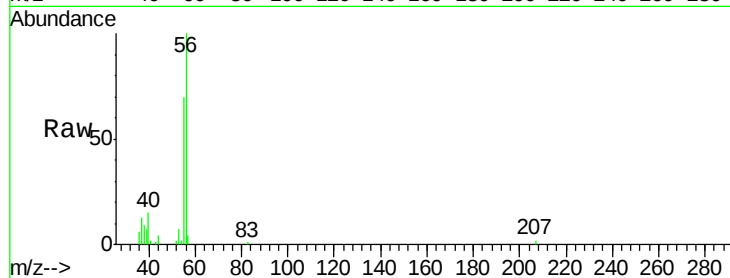
#13
Acrolein
Concen: 248.829 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	74301
Ion Ratio	100	Lower	Upper
55	72.4	58.2	87.2

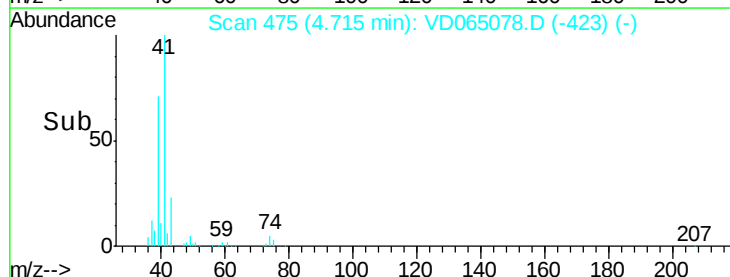
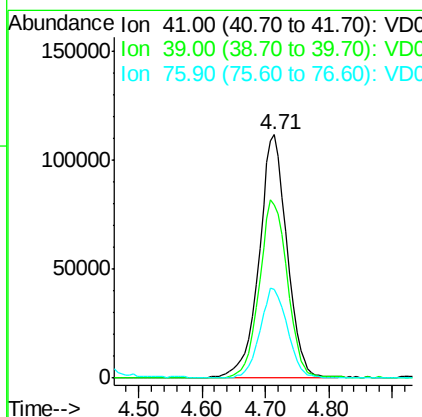
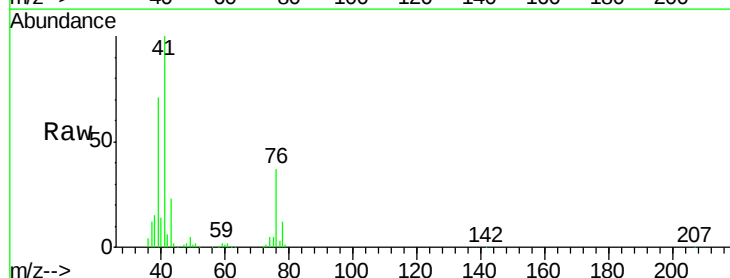
Manual Integrations
APPROVED

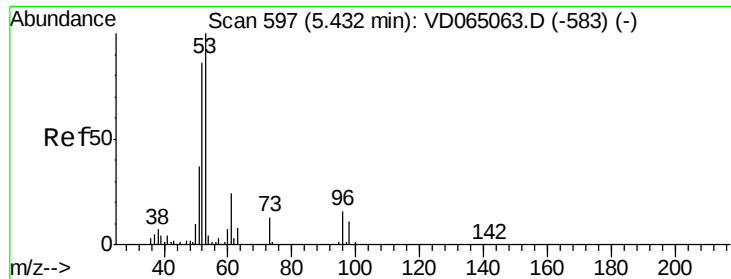
MMDadoda
2/7/2020 12:05:28 PM



#14
Allyl chloride
Concen: 50.234 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.01 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Tgt Ion	41	Resp	344540
Ion Ratio	100	Lower	Upper
39	73.3	57.1	85.7
76	35.9	28.0	42.0





#15

Acrylonitrile

Concen: 241.311 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Instrument :

MSVOA_D

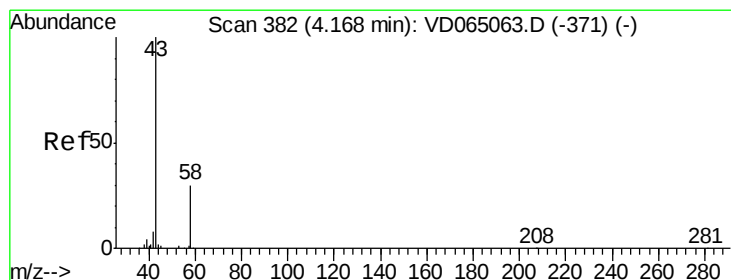
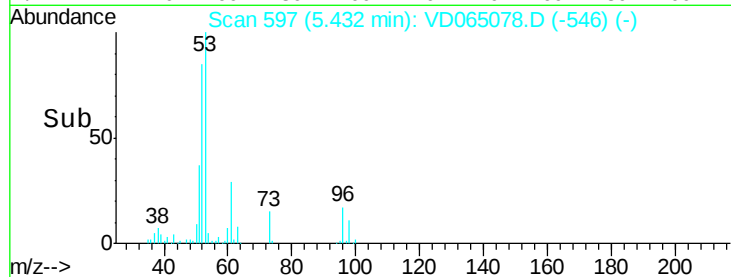
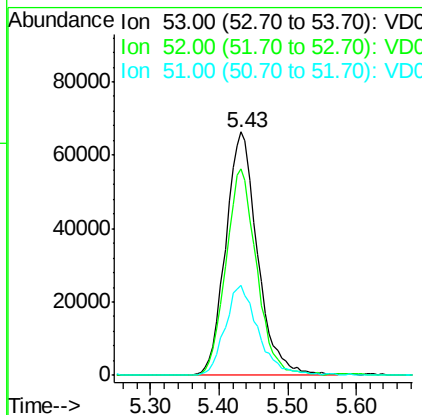
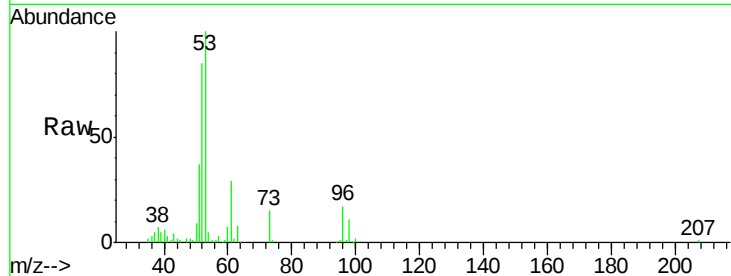
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	213473
Ion Ratio	Lower	Upper	
53	100		
52	82.1	66.2	99.2
51	38.3	30.4	45.6

Manual Integrations
APPROVED

MMDadoda
2/7/2020 12:05:28 PM



#16

Acetone

Concen: 258.725 ug/l

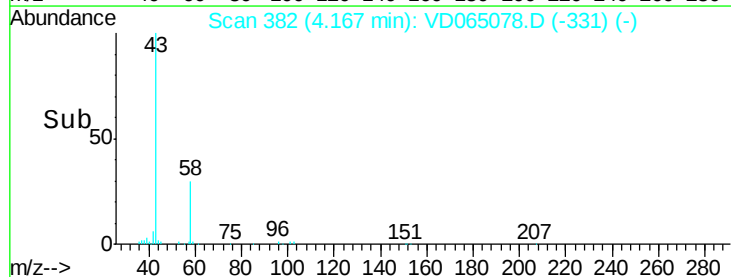
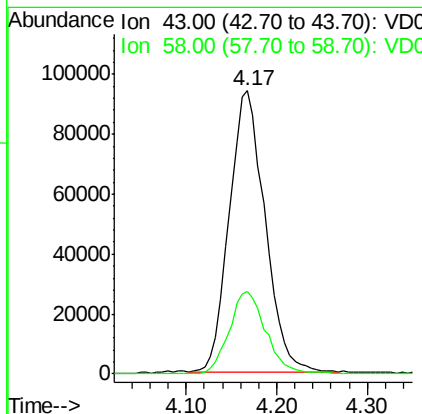
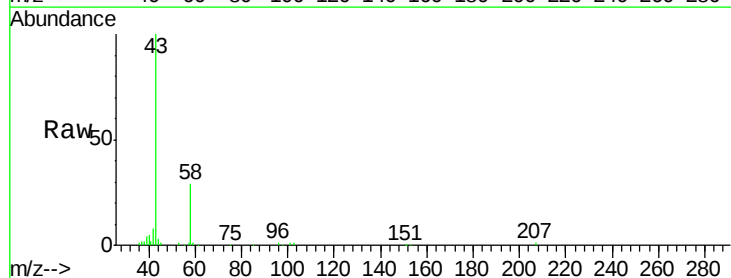
RT: 4.17 min Scan# 382

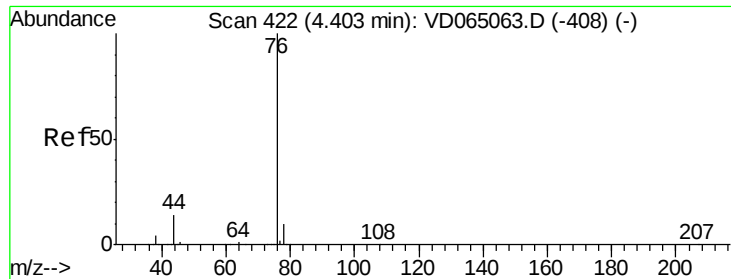
Delta R.T. -0.00 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Tgt Ion:	43	Resp:	257025
Ion Ratio	Lower	Upper	
43	100		
58	29.5	23.5	35.3





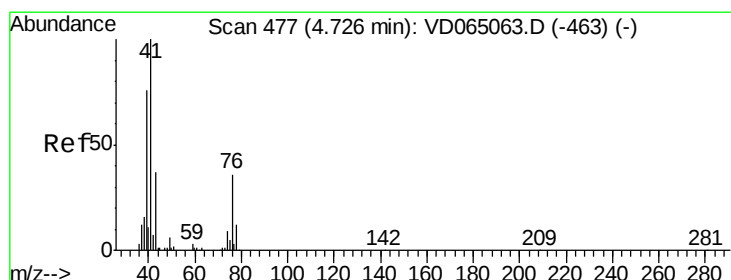
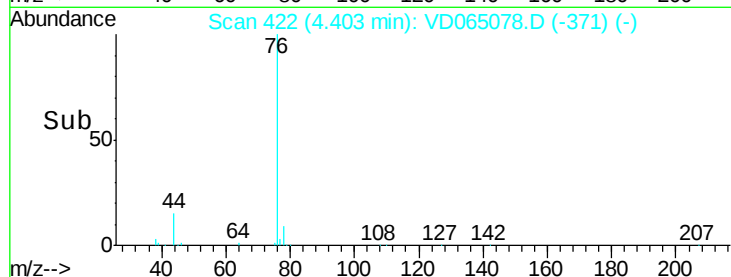
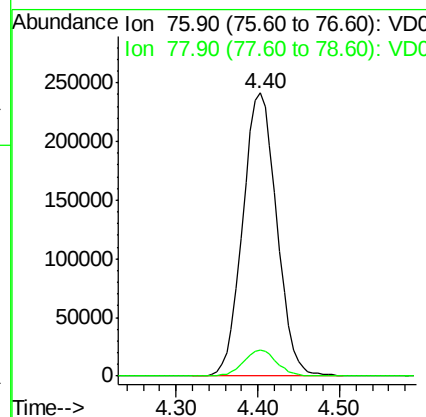
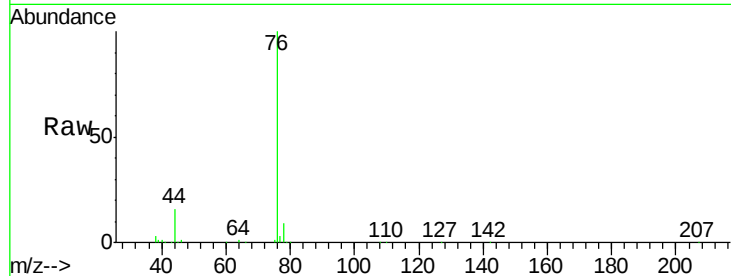
#17
Carbon Disulfide
Concen: 52.705 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.6	11.4

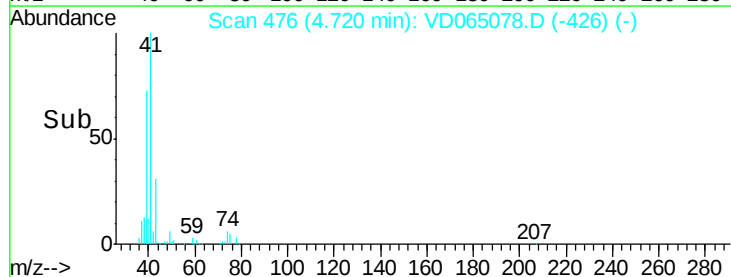
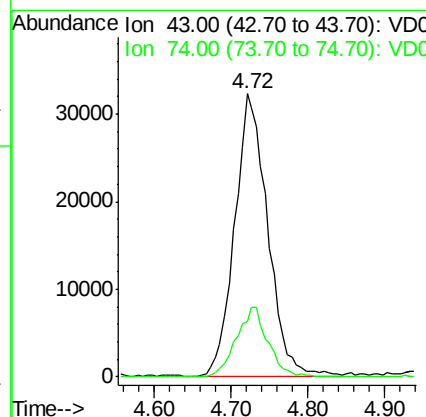
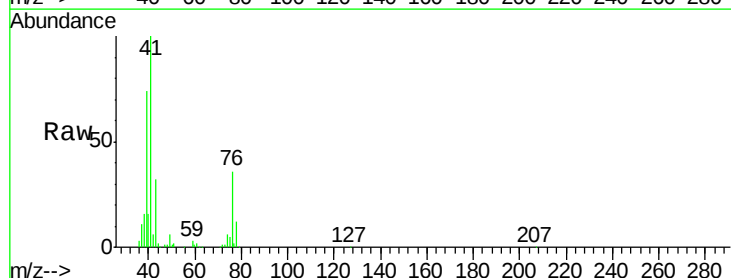
Manual Integrations
APPROVED

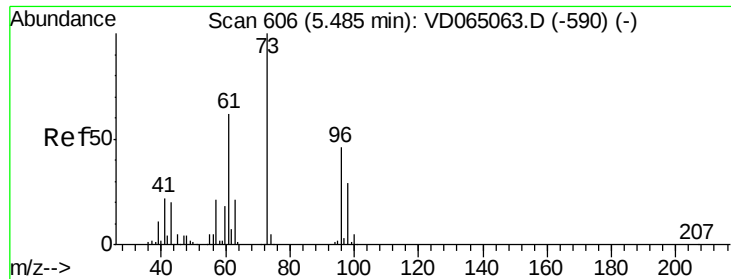
MMDadoda
2/7/2020 12:05:28 PM



#18
Methyl Acetate
Concen: 46.896 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	18.7	28.1





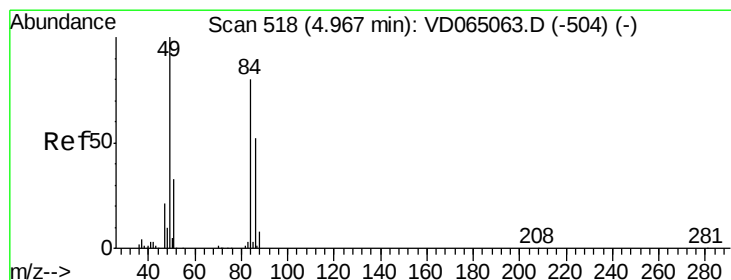
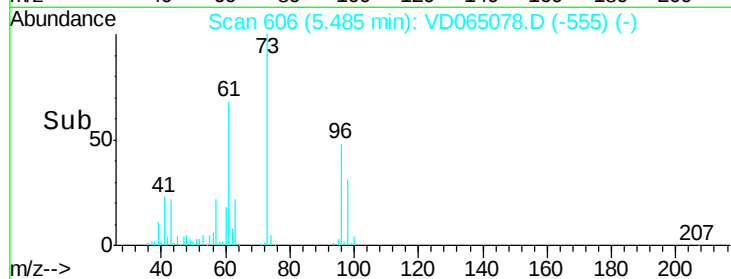
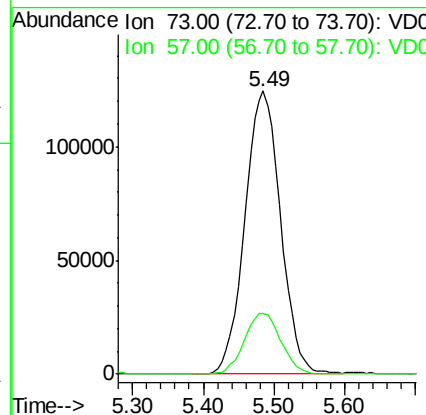
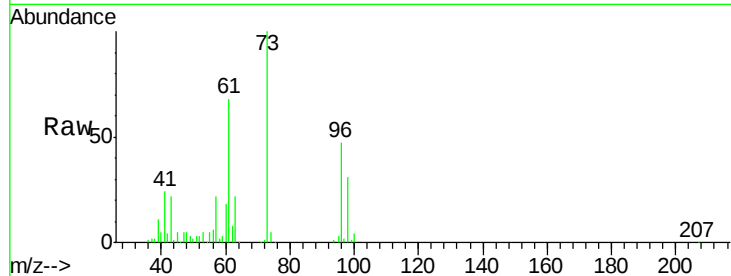
#19
Methvl tert-butvl Ether
Concen: 48.023 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 438245
Ion Ratio Lower Upper
73 100
57 21.6 16.8 25.2

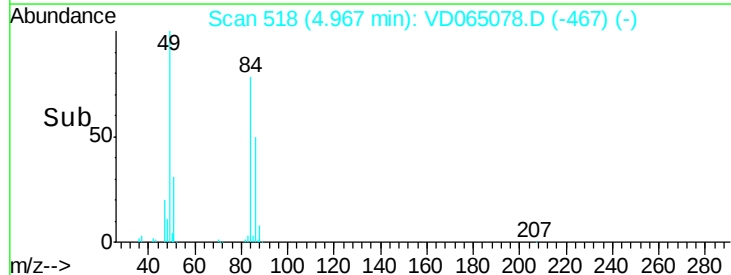
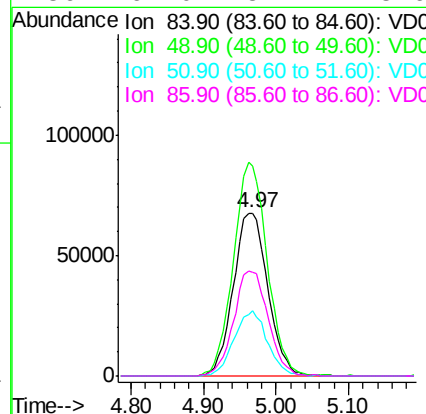
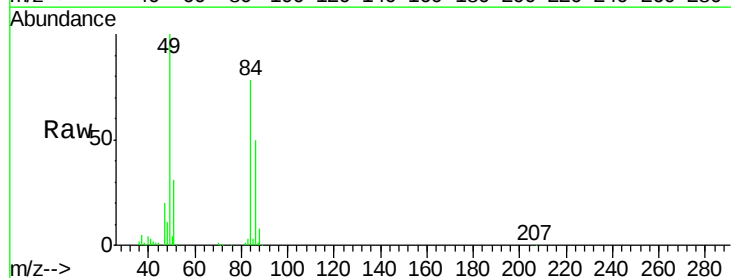
Manual Integrations
APPROVED

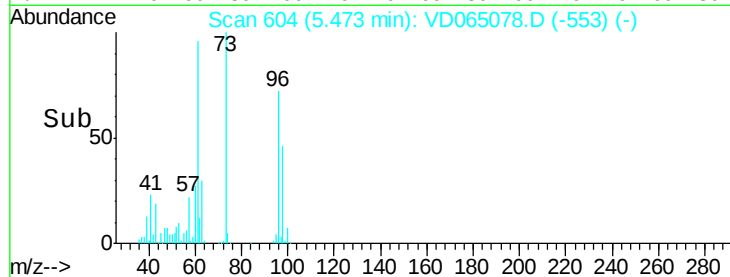
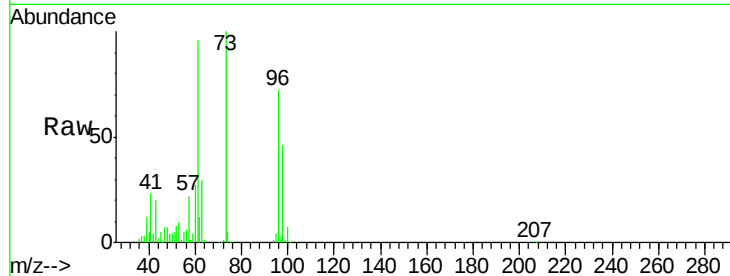
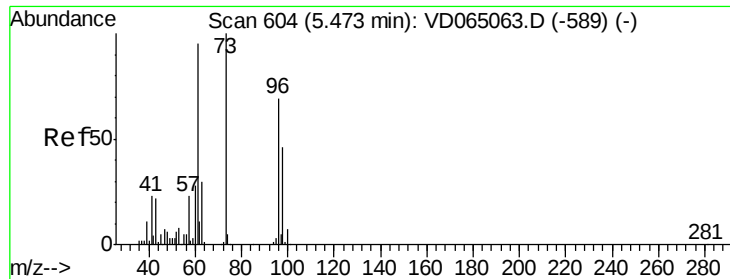
MMDadoda
2/7/2020 12:05:28 PM



#20
Methylene Chloride
Concen: 51.368 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Tgt Ion: 84 Resp: 224223
Ion Ratio Lower Upper
84 100
49 128.8 100.4 150.6
51 40.2 32.7 49.1
86 64.0 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 51.128 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Tot Ion:	96	Resp:	238714
Ion	Ratio	Lower	Upper
96	100		
61	133.3	109.5	164.3
98	63.7	53.7	80.5

Instrument :

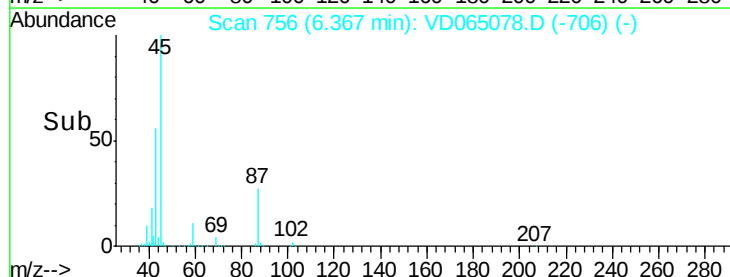
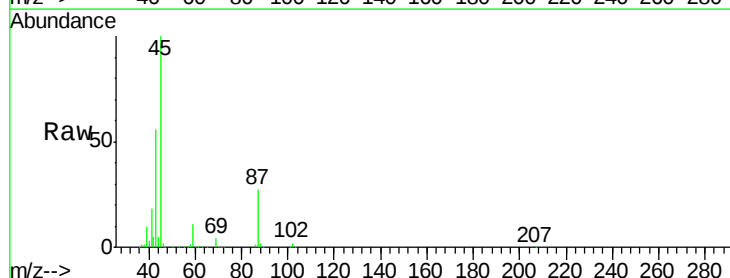
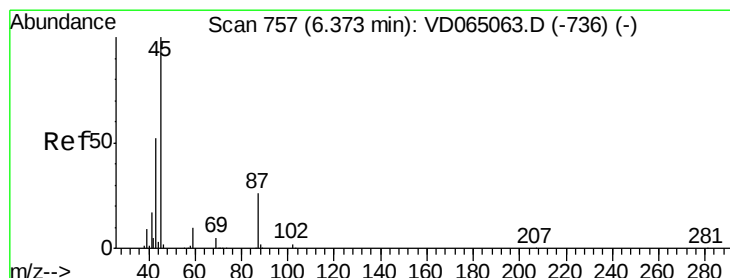
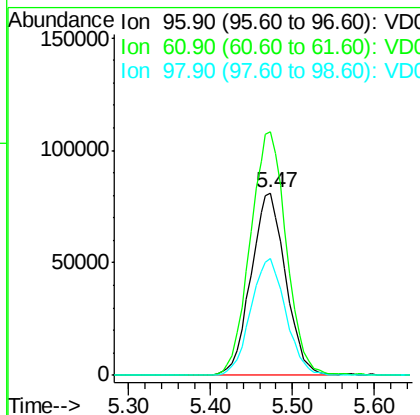
MSVOA_D

ClientSampleId :

VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
2/7/2020 12:05:28 PM



#22

Diisopropyl ether

Concen: 51.200 ug/l

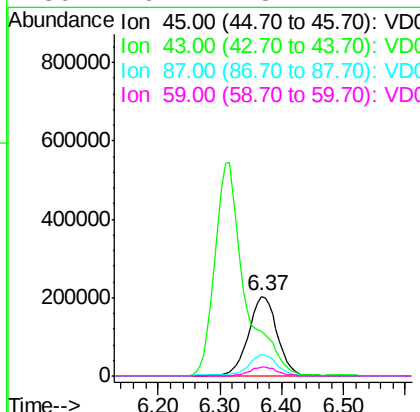
RT: 6.37 min Scan# 756

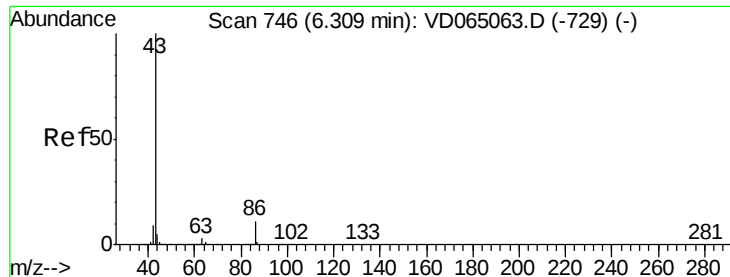
Delta R.T. -0.01 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Tgt Ion:	45	Resp:	662372
Ion	Ratio	Lower	Upper
45	100		
43	54.9	41.3	61.9
87	27.3	21.0	31.6
59	10.7	8.2	12.4





#23

Vinyl Acetate

Concen: 253.172 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1825588

Ion Ratio Lower Upper

43 100

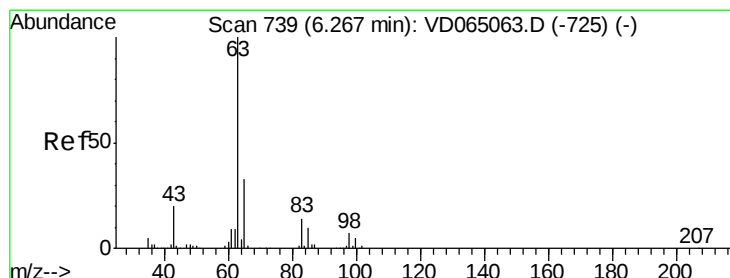
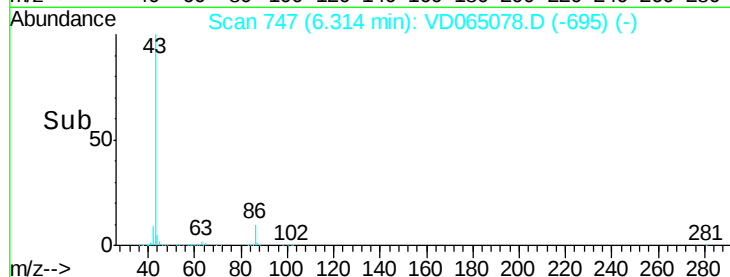
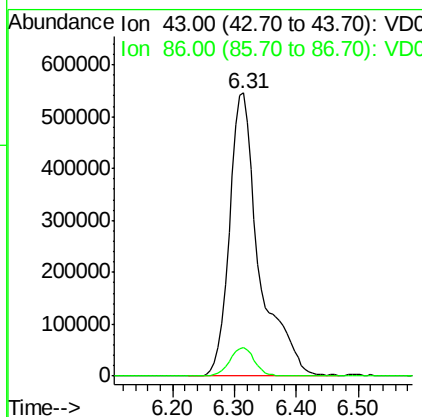
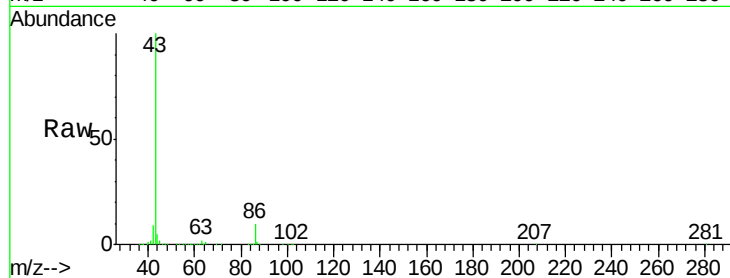
86 10.0 8.5 12.7

Manual Integrations

APPROVED

MMDadoda

2/7/2020 12:05:28 PM



#24

1,1-Dichloroethane

Concen: 51.727 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

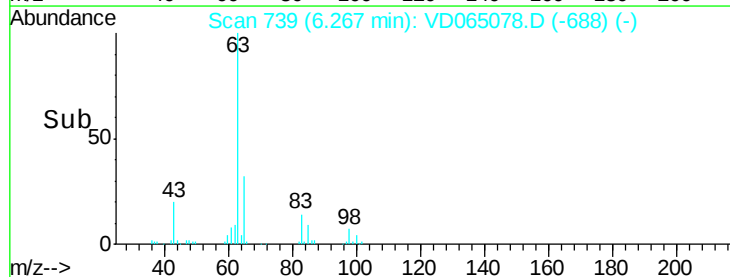
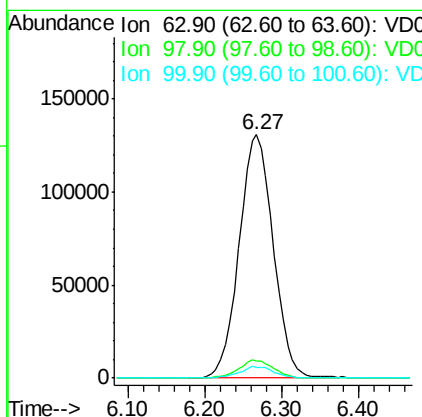
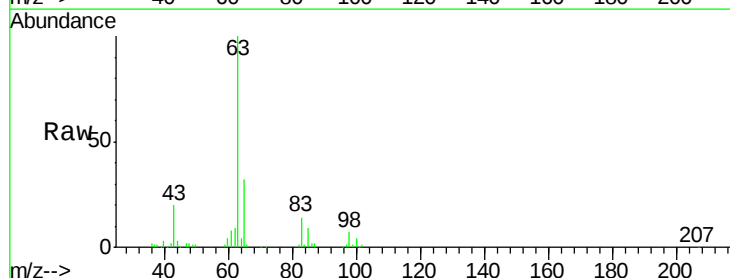
Tgt Ion: 63 Resp: 405052

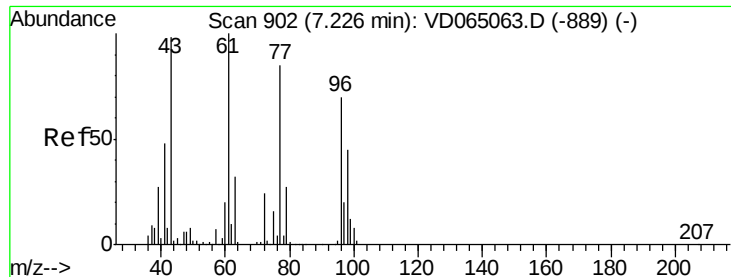
Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.4

100 4.2 2.5 7.6





#25

2-Butanone

Concen: 246.666 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 292302

Ion Ratio Lower Upper

43 100

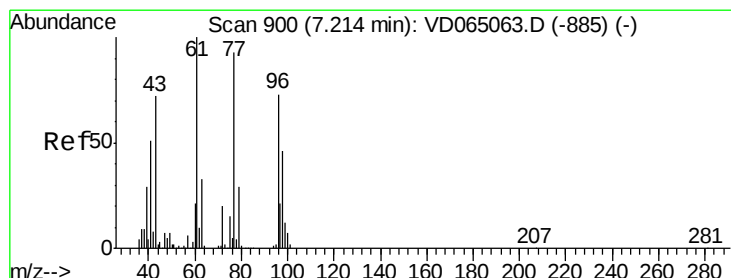
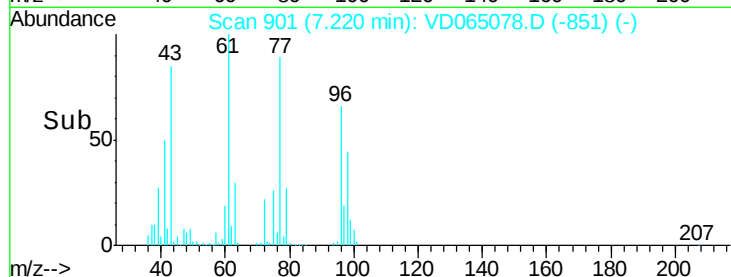
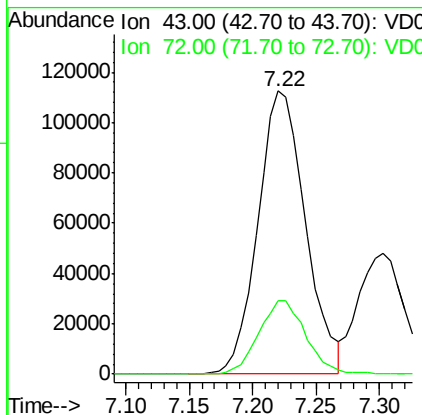
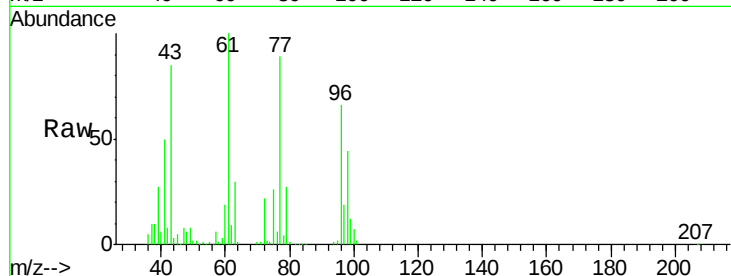
72 25.9 19.9 29.9

Manual Integrations

APPROVED

MMDadoda

2/7/2020 12:05:28 PM



#26

2,2-Dichloropropane

Concen: 53.117 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065078.D

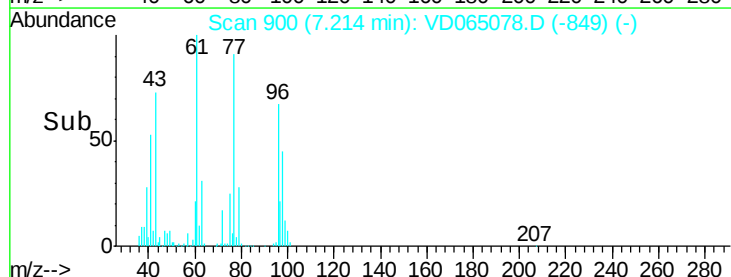
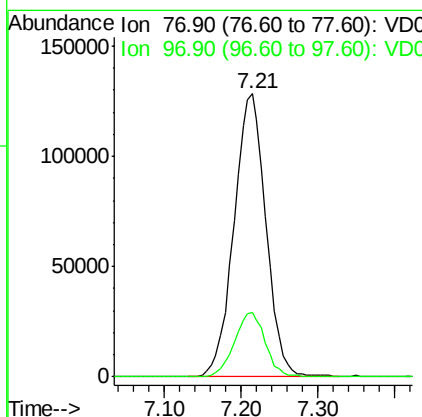
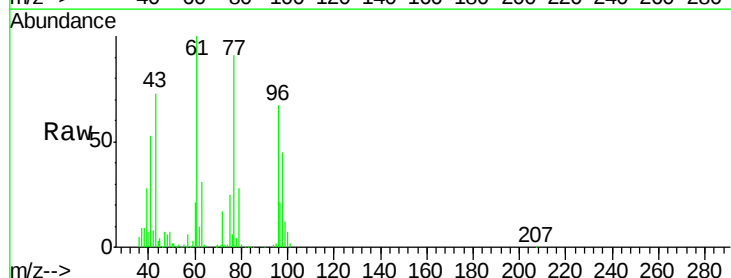
Acq: 06 Feb 2020 10:53

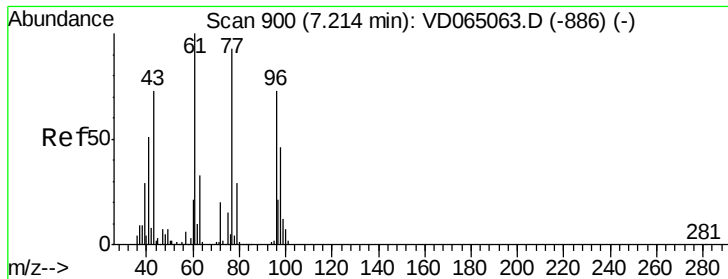
Tgt Ion: 77 Resp: 372811

Ion Ratio Lower Upper

77 100

97 22.1 10.9 32.6





#27

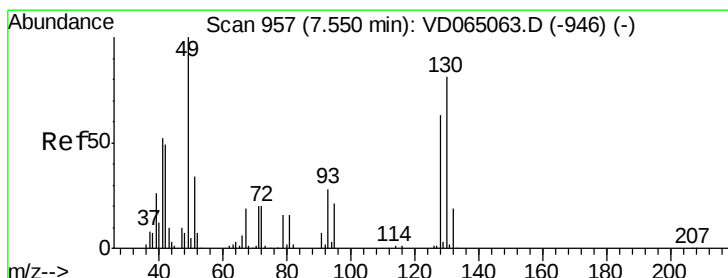
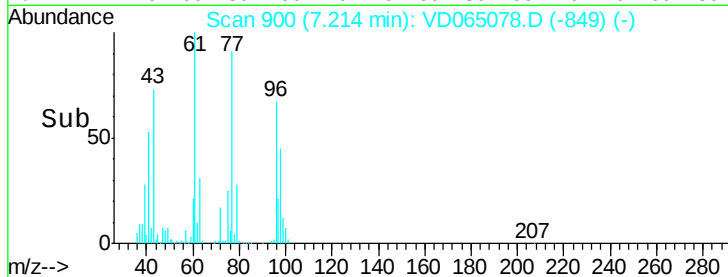
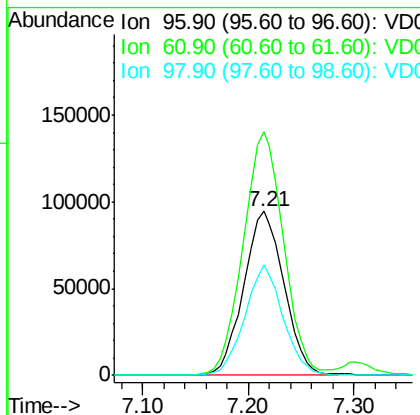
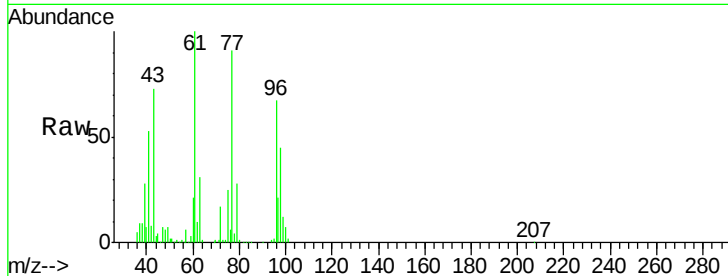
cis-1,2-Dichloroethene
Concen: 50.540 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	250690		
61	148.6	0.0	292.8	
98	64.0	0.0	128.8	

Manual Integrations
APPROVED

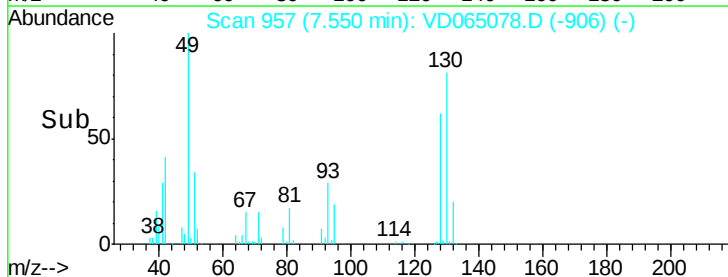
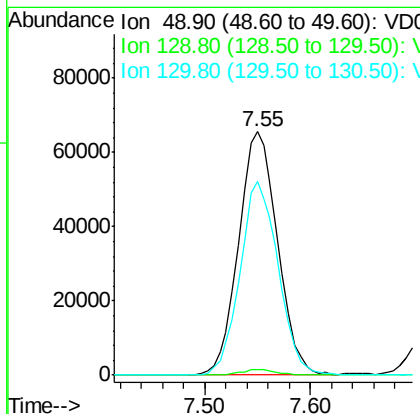
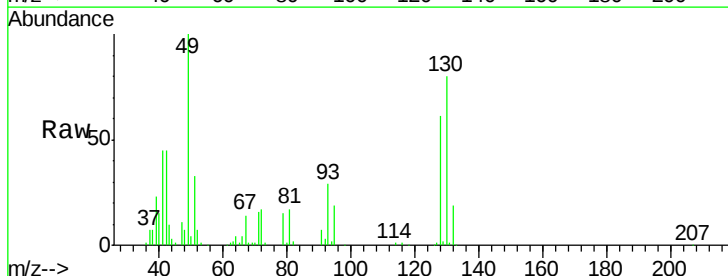
MMDadoda
2/7/2020 12:05:28 PM

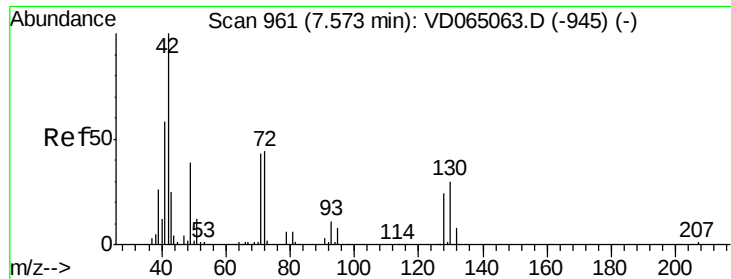


#28

Bromochloromethane
Concen: 56.492 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	167689		
129	2.2	0.0	4.4	
130	78.4	63.8	95.8	





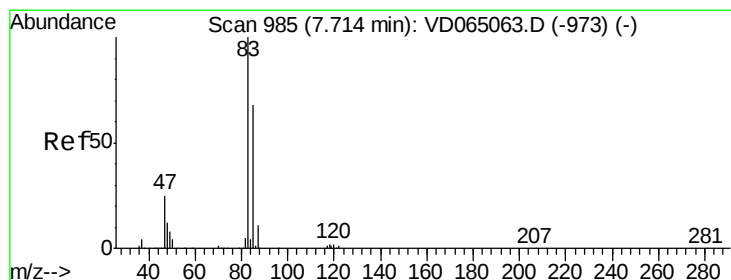
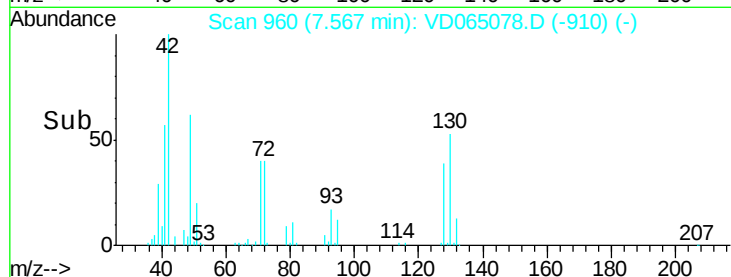
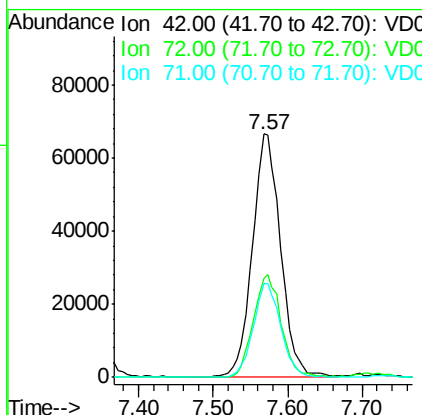
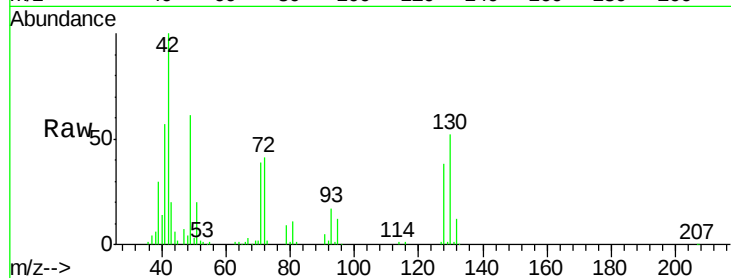
#29
Tetrahydrofuran
Concen: 245.522 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	34.2	51.4
71	37.4	31.8	47.6

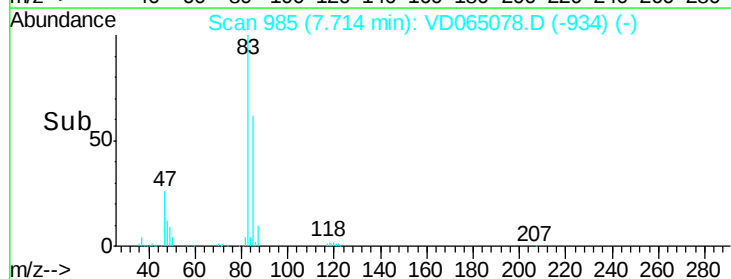
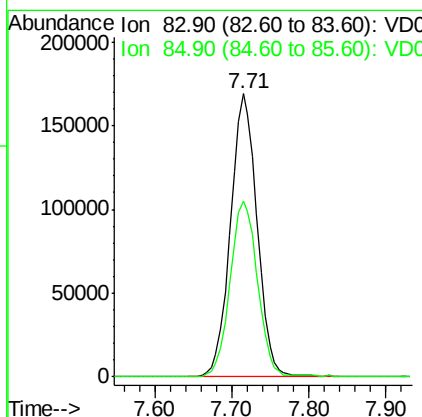
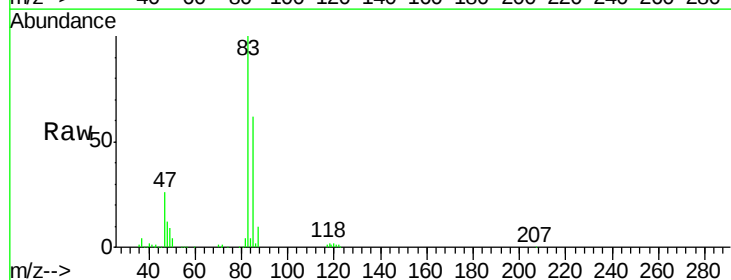
Manual Integrations
APPROVED

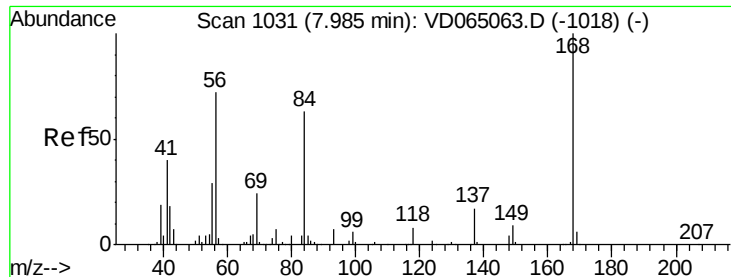
MMDadoda
2/7/2020 12:05:28 PM



#30
Chloroform
Concen: 52.367 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.3	54.2	81.4





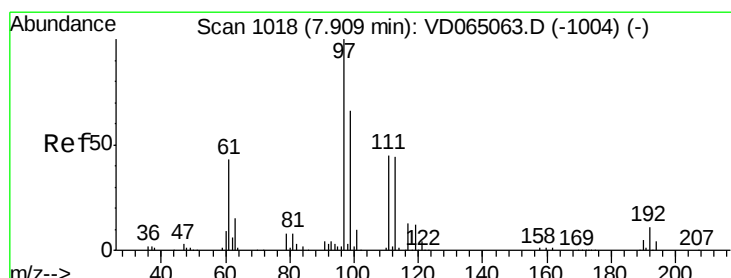
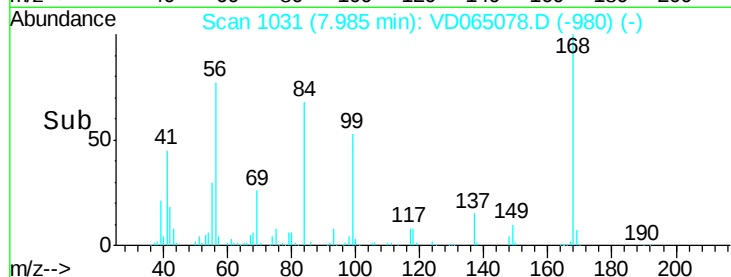
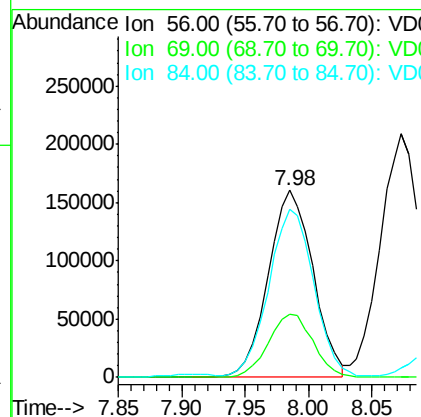
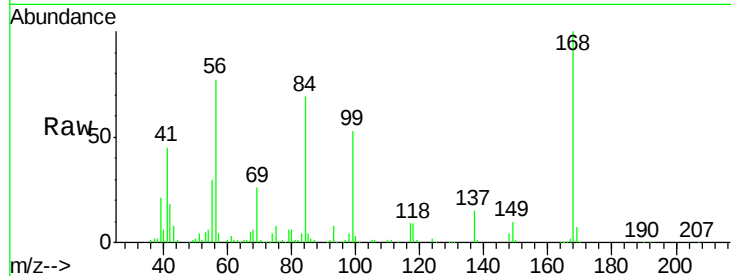
#31
Cyclohexane
Concen: 49.642 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
56	100	392396		
69	33.8	26.6	40.0	
84	88.8	70.6	106.0	

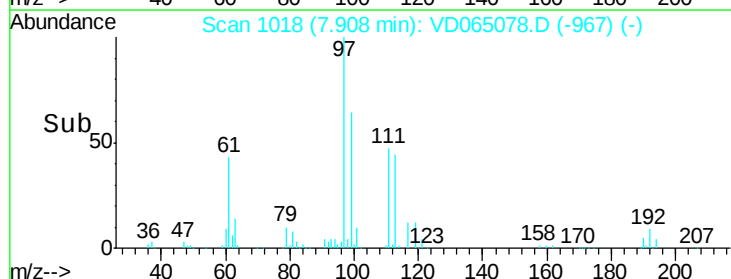
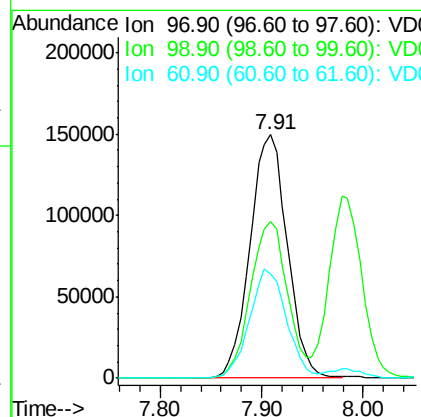
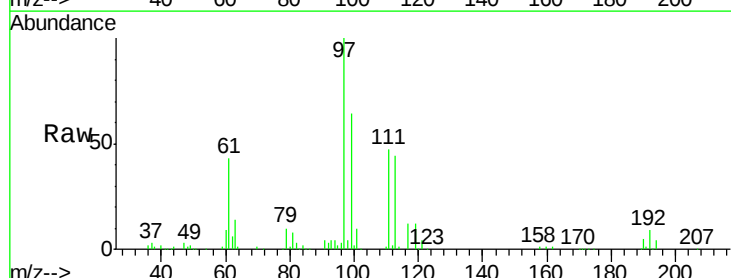
Manual Integrations
APPROVED

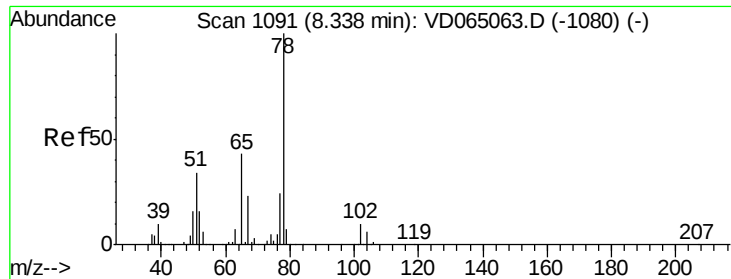
MMDadoda
2/7/2020 12:05:28 PM



#32
1,1,1-Trichloroethane
Concen: 52.493 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	381259		
99	64.9	51.5	77.3	
61	44.4	34.8	52.2	





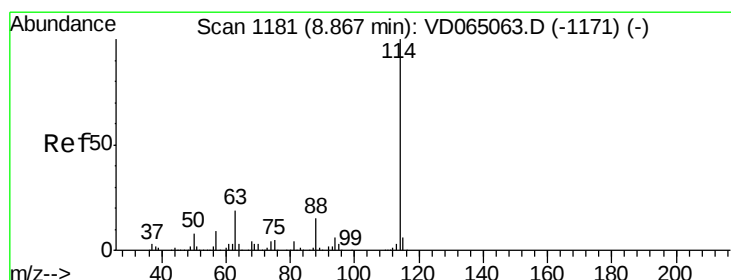
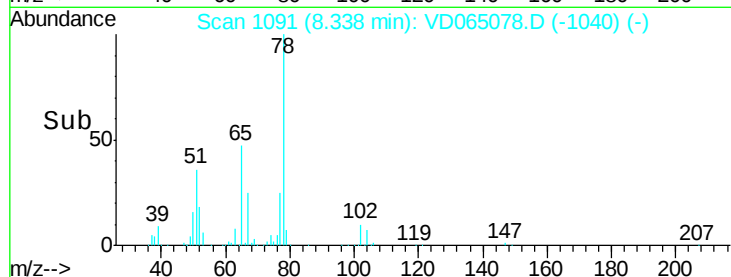
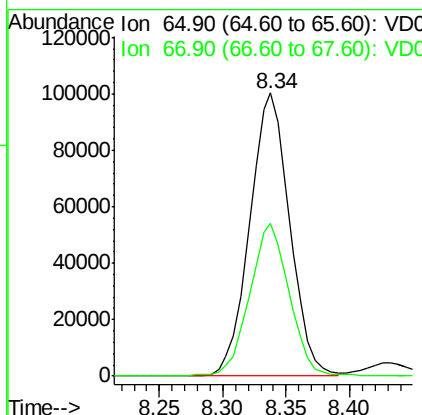
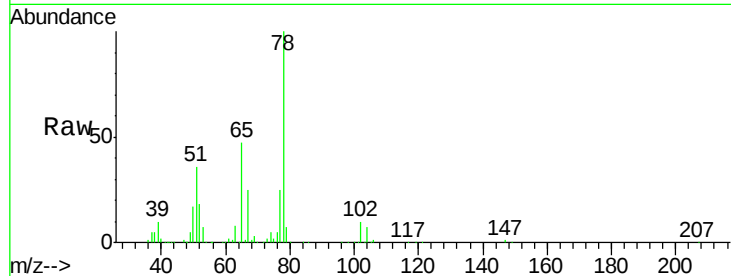
#33
 1,2-Dichloroethane-d4
 Concen: 55.281 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065078.D
 Acq: 06 Feb 2020 10:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	219657		
67	53.6	0.0	105.8	

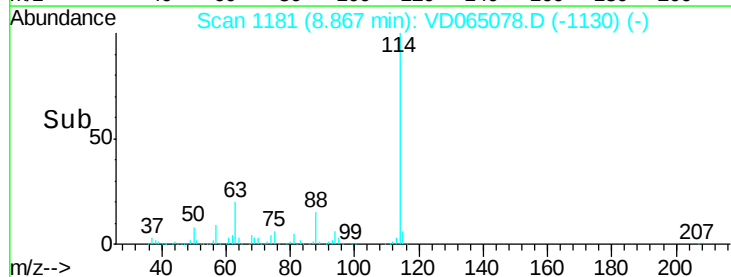
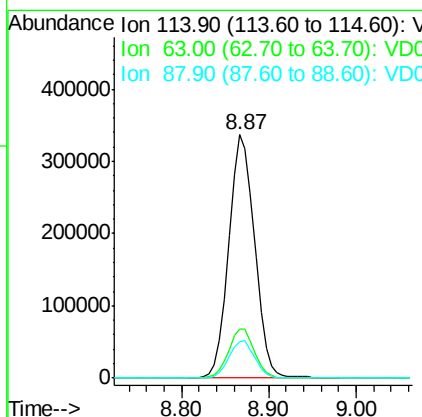
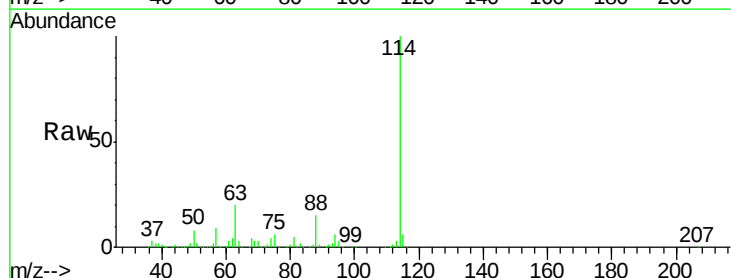
Manual Integrations
 APPROVED

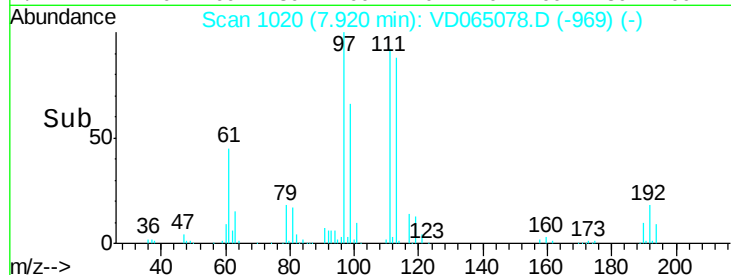
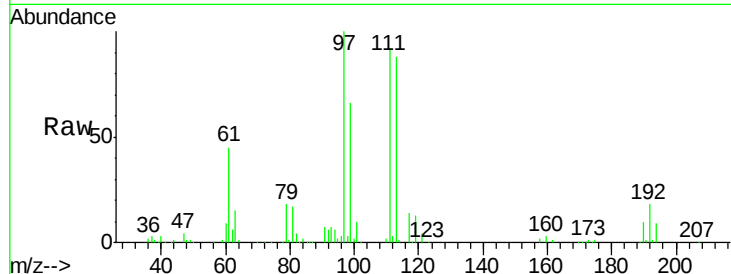
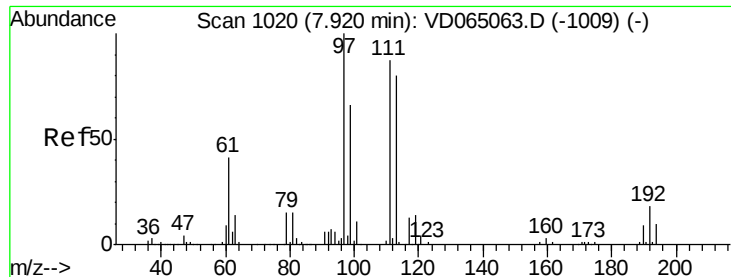
MMDadoda
 2/7/2020 12:05:28 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065078.D
 Acq: 06 Feb 2020 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	679196		
63	20.4	0.0	38.8	
88	14.8	0.0	29.6	





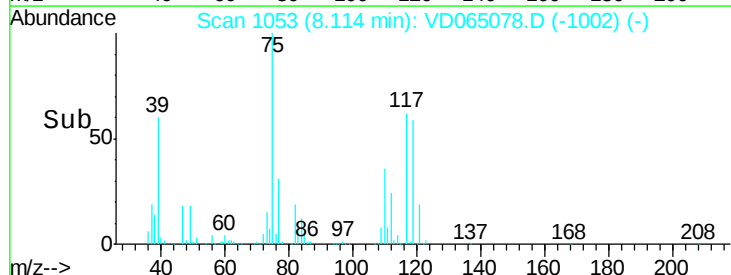
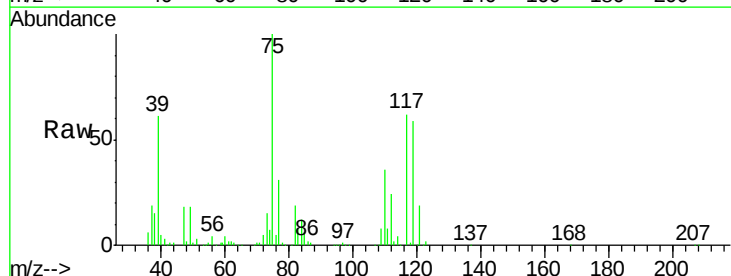
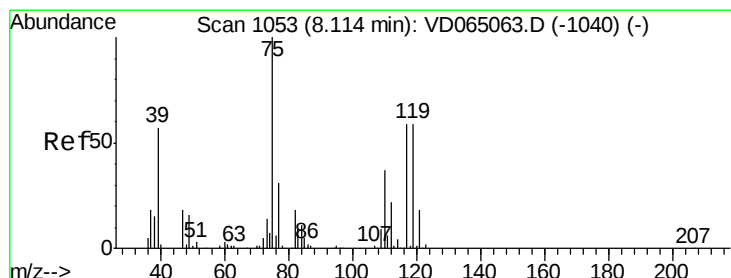
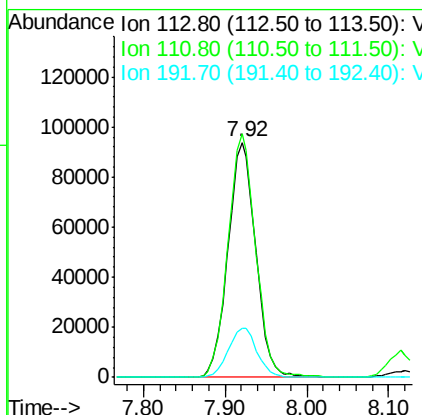
#35
Dibromofluoromethane
Concen: 58.400 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Tot Ion	Ratio	Resp	Lower	Upper
113	100	221307		
111	103.1	83.1	124.7	
192	21.6	18.1	27.1	

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

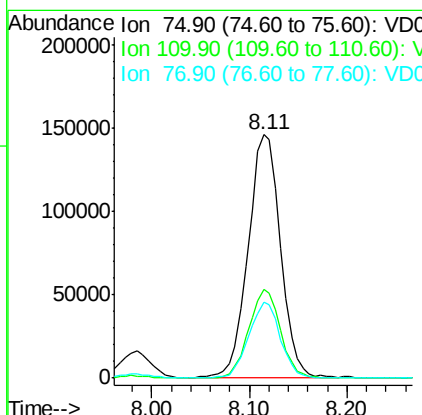
Manual Integrations
APPROVED

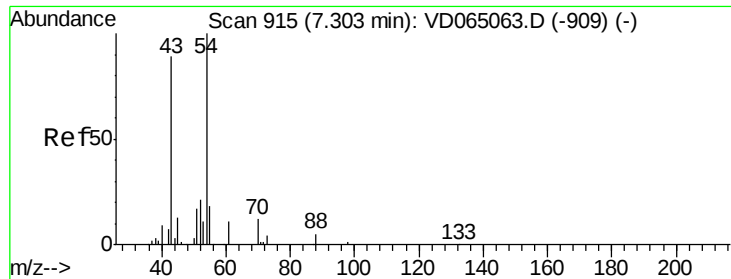
MMDadoda
2/7/2020 12:05:28 PM



#36
1,1-Dichloropropene
Concen: 53.381 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	337127		
110	35.8	18.1	54.3	
77	30.7	24.7	37.1	





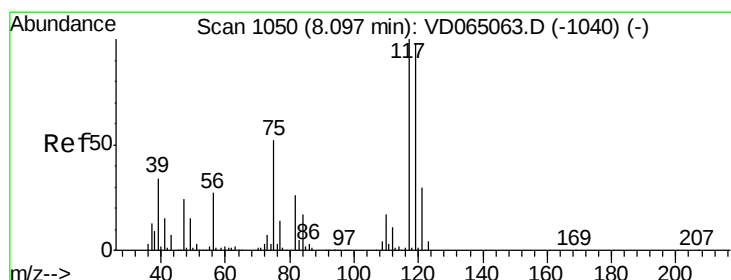
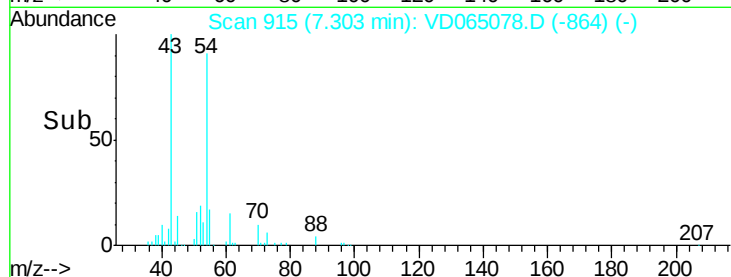
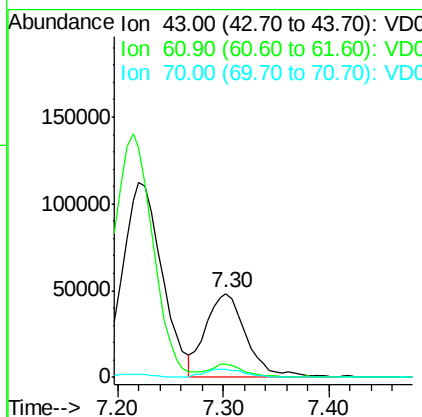
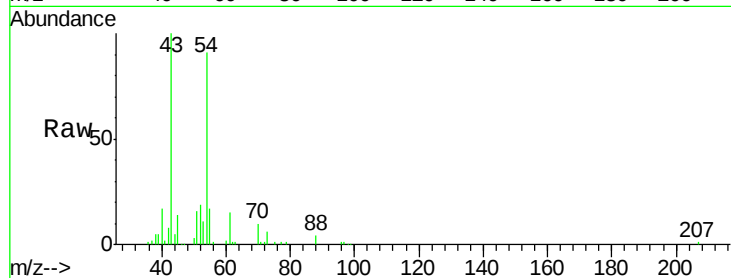
#37
Ethyl Acetate
Concen: 48.620 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.0	16.4
70	10.1	8.2	12.2

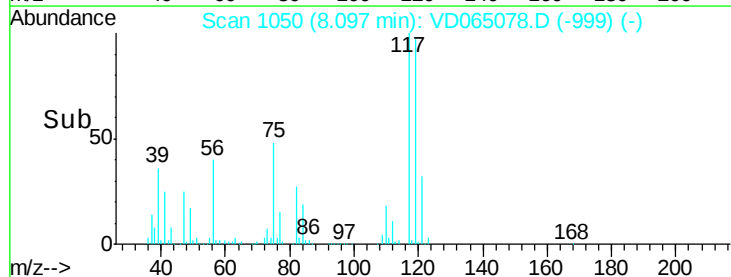
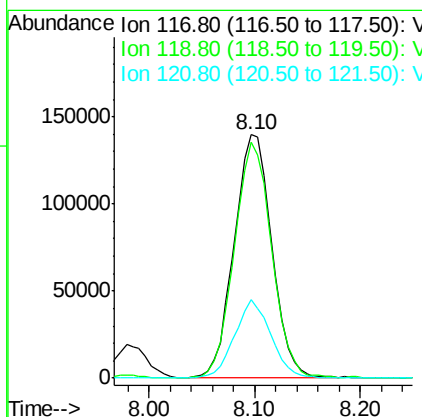
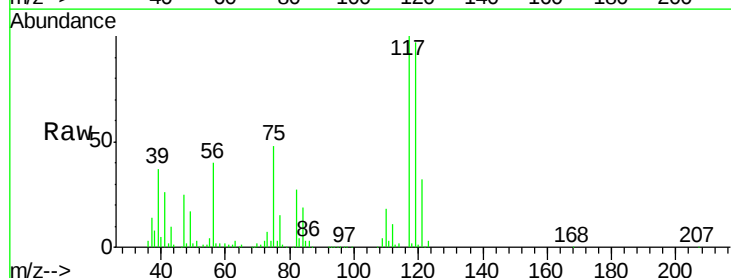
Manual Integrations
APPROVED

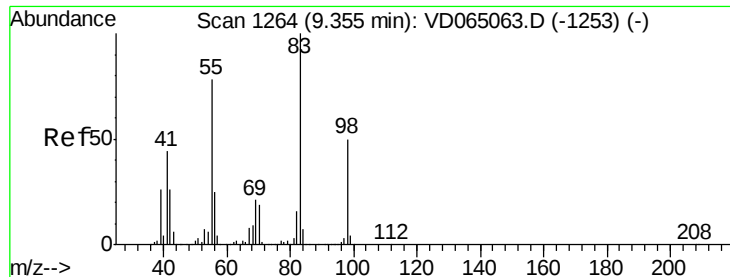
MMDadoda
2/7/2020 12:05:28 PM



#38
Carbon Tetrachloride
Concen: 53.469 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	78.5	117.7
121	32.3	23.8	35.6





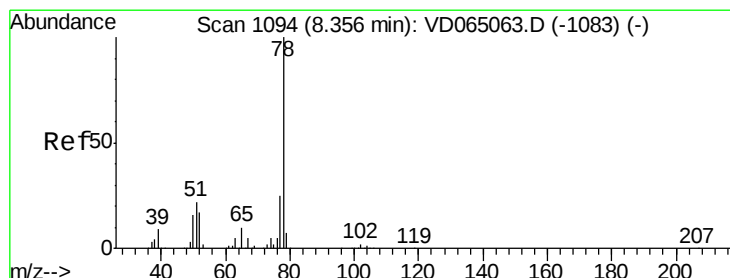
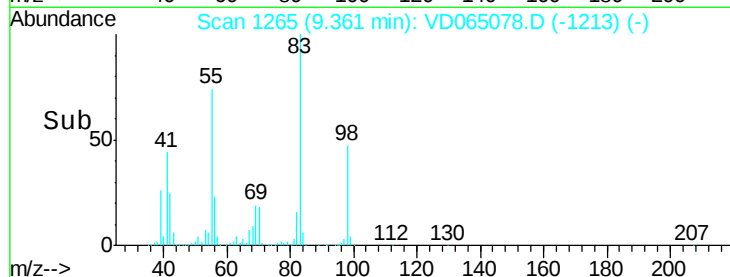
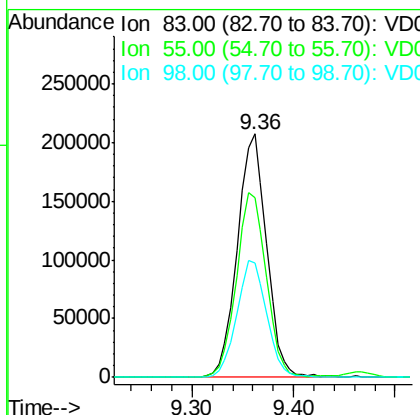
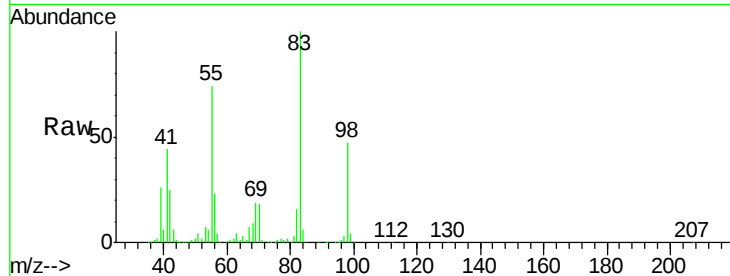
#39
Methvlcvclohexane
Concen: 53.459 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.8	62.0	93.0
98	47.1	39.9	59.9

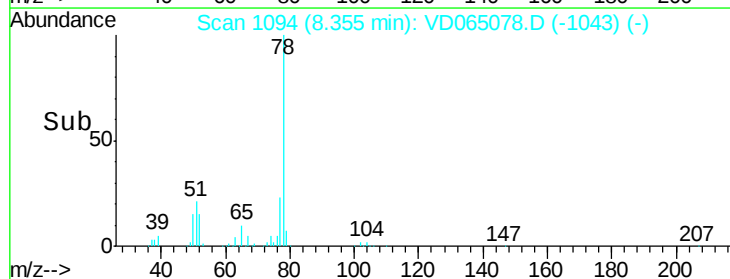
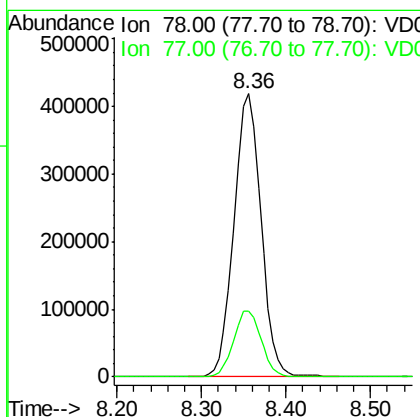
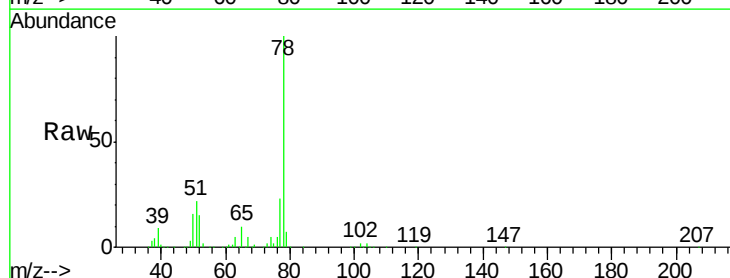
Manual Integrations
APPROVED

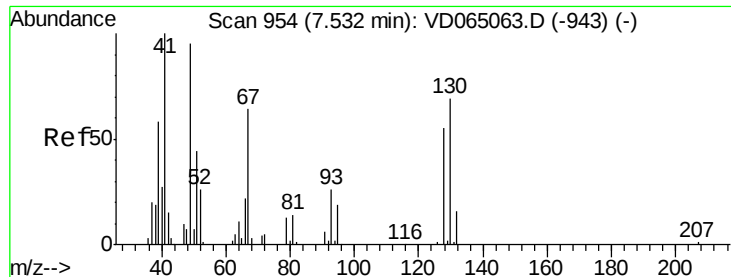
MMDadoda
2/7/2020 12:05:28 PM



#40
Benzene
Concen: 53.213 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.6	29.4





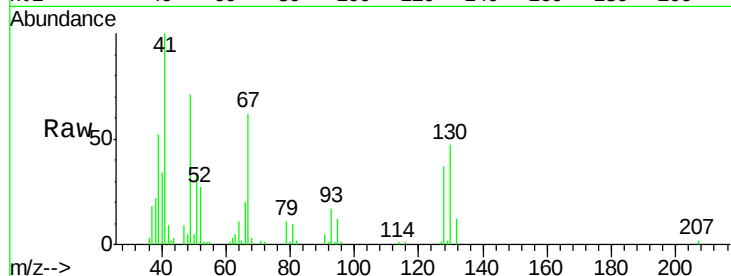
#41
Methacrylonitrile
Concen: 49.998 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

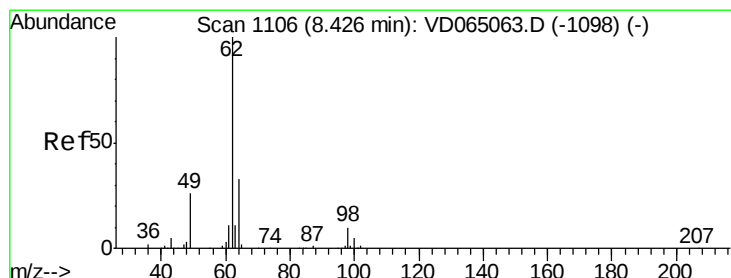
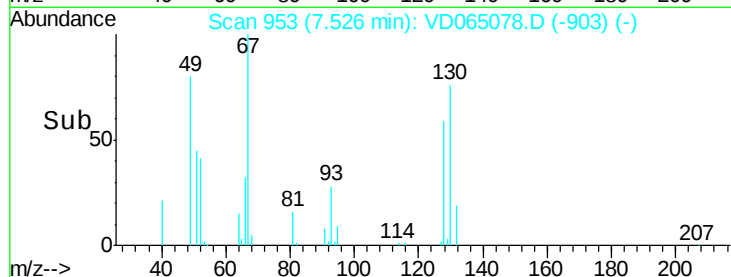
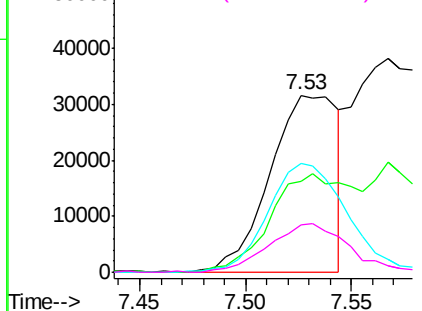
Tot Ion	Ratio	Lower	Upper
41	100		
39	69.5	55.4	83.0
67	71.6	59.0	88.6
52	31.9	25.4	38.0

Manual Integrations
APPROVED

MMDadoda
2/7/2020 12:05:28 PM

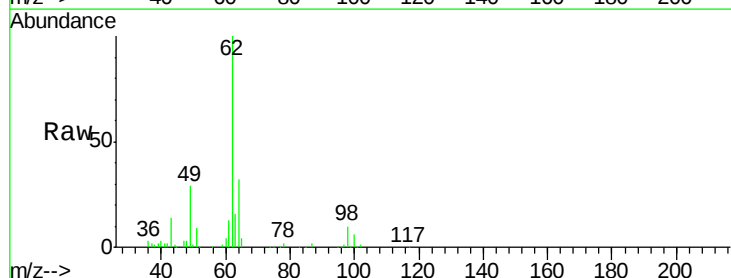


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

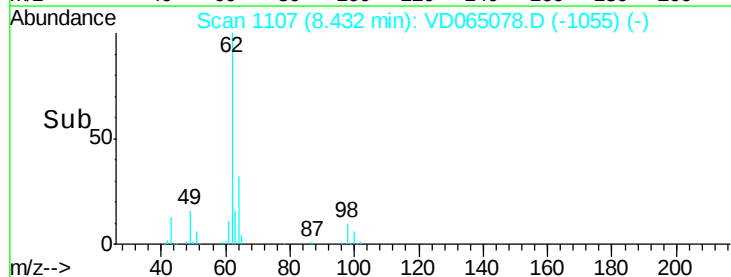
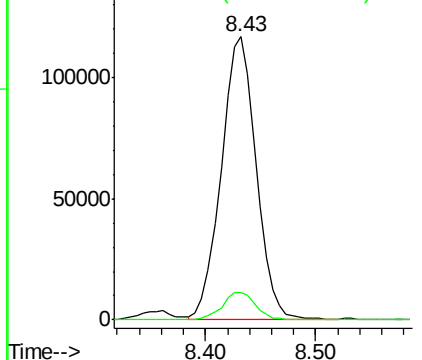


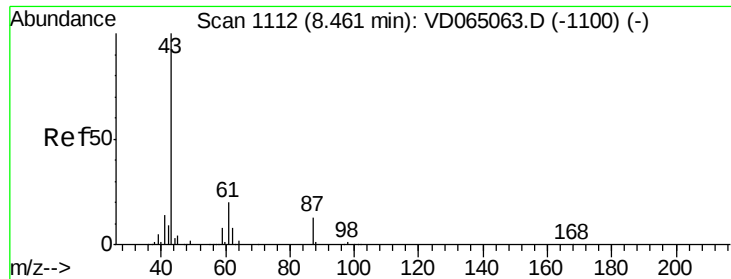
#42
1,2-Dichloroethane
Concen: 51.711 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.6



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 48.207 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Instrument :

MSVOA_D

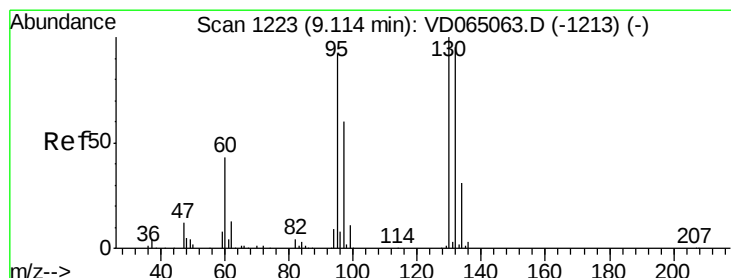
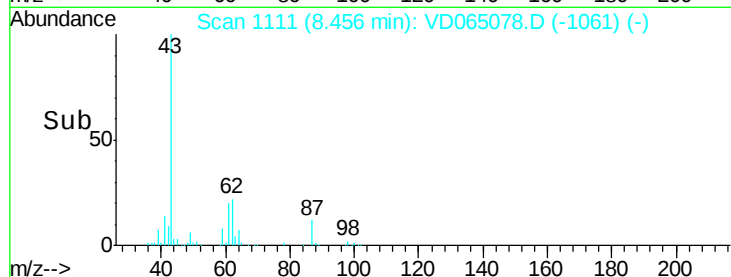
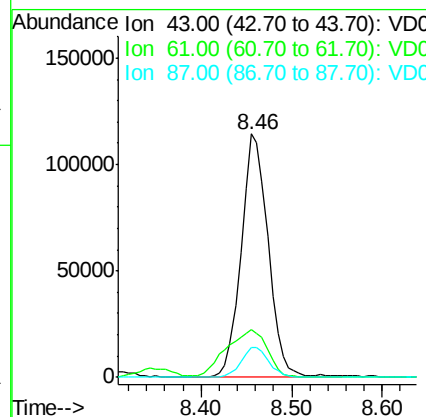
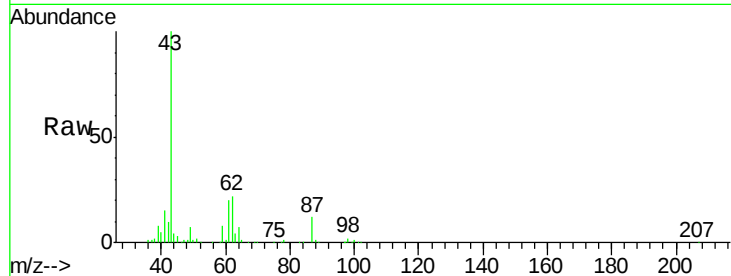
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	237931
Ion	Ratio	Lower	Upper
43	100		
61	29.8	24.0	36.0
87	12.4	10.2	15.4

Manual Integrations
APPROVED

MMDadoda
2/7/2020 12:05:28 PM



#44

Trichloroethene

Concen: 51.199 ug/l

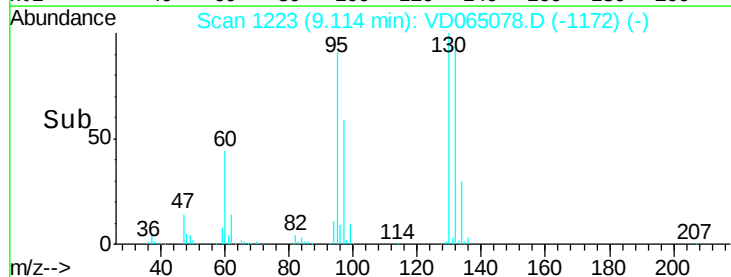
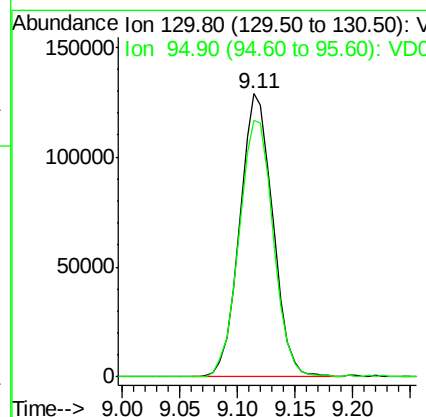
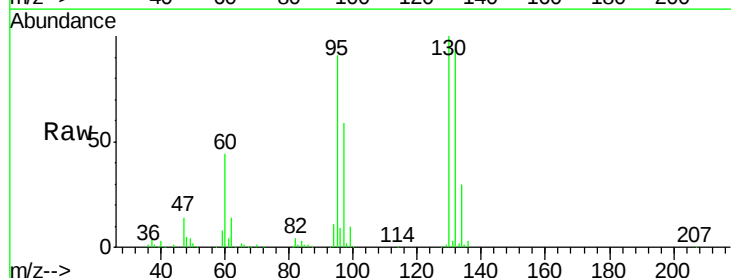
RT: 9.11 min Scan# 1223

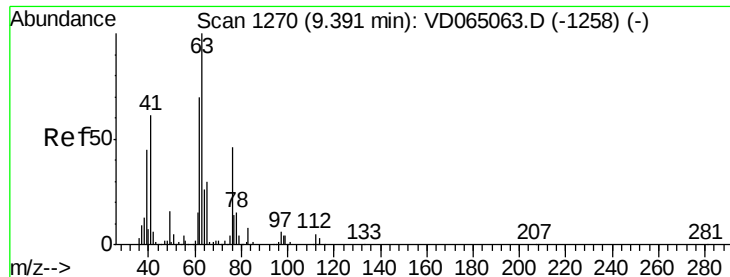
Delta R.T. -0.00 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Tgt Ion:	130	Resp:	256298
Ion	Ratio	Lower	Upper
130	100		
95	90.8	0.0	185.0





#45

1,2-Dichloropropane

Concen: 53.273 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 222760

Ion Ratio Lower Upper

63 100

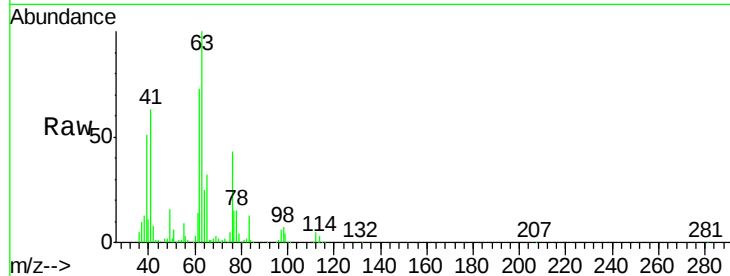
65 32.4 23.9 35.9

Manual Integrations

APPROVED

MMDadoda

2/7/2020 12:05:28 PM



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

120000

100000

80000

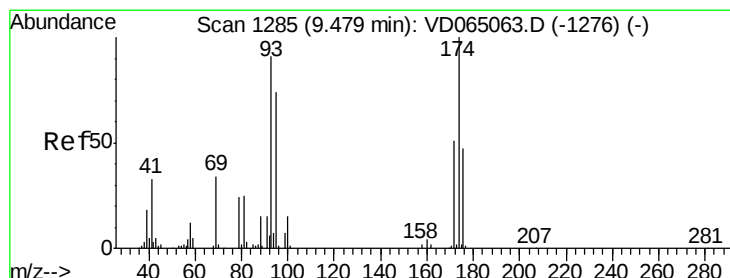
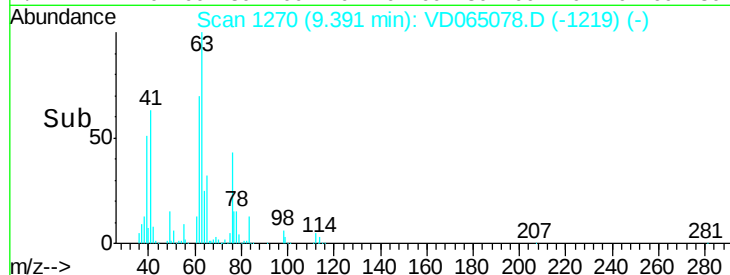
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 52.287 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

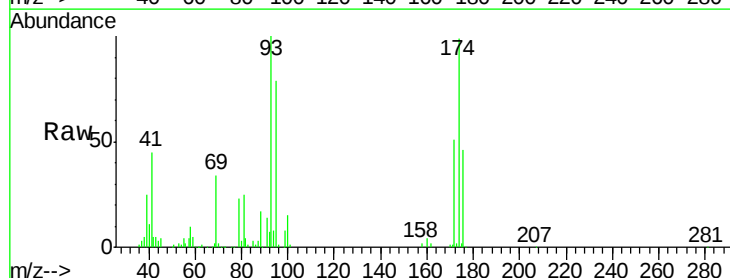
Tgt Ion: 93 Resp: 114888

Ion Ratio Lower Upper

93 100

95 82.6 66.5 99.7

174 105.4 89.8 134.8



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

80000

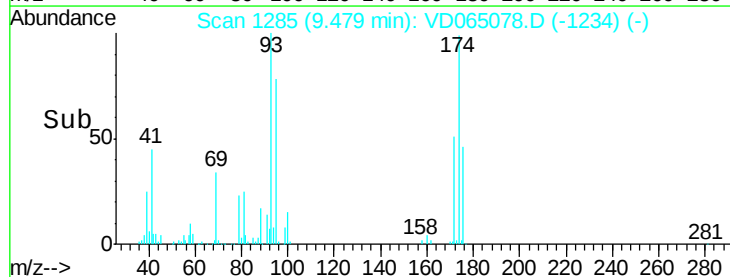
60000

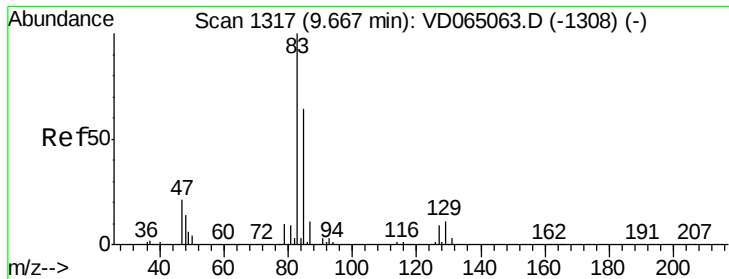
40000

20000

0

Time-->





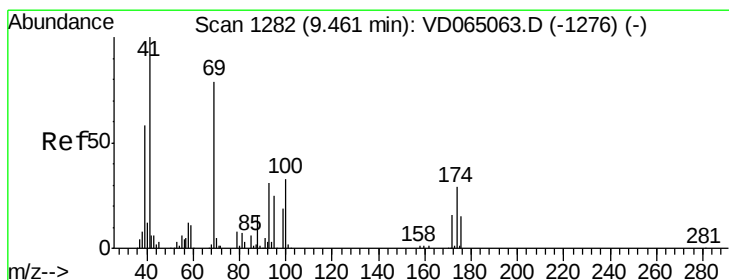
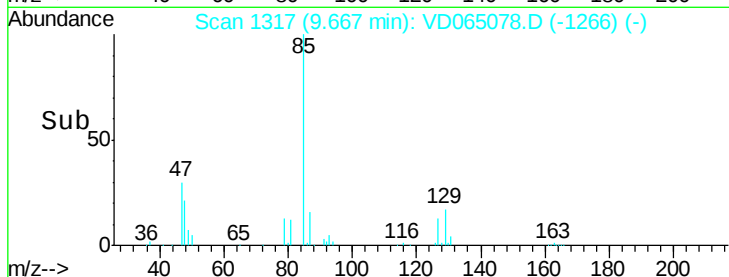
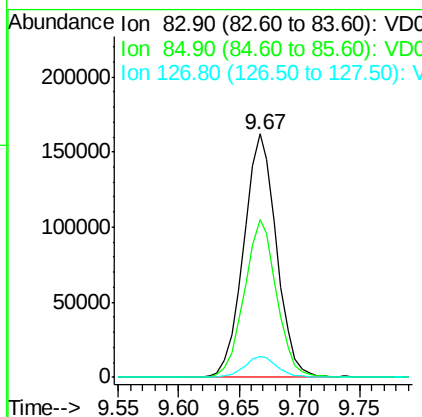
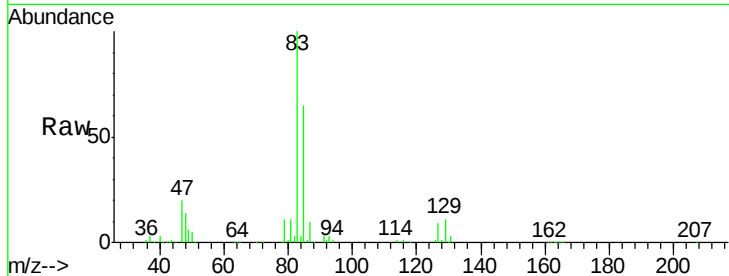
#47
Bromodichloromethane
Concen: 53.048 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	307124		
85	64.7	51.0	76.6	
127	8.5	7.3	10.9	

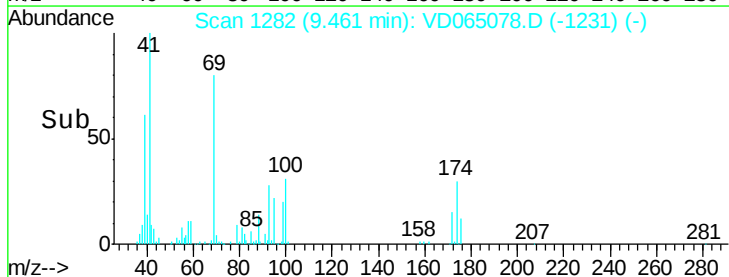
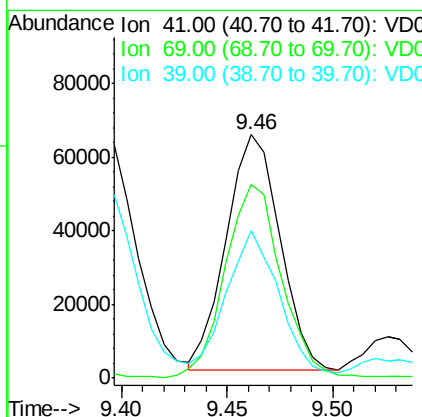
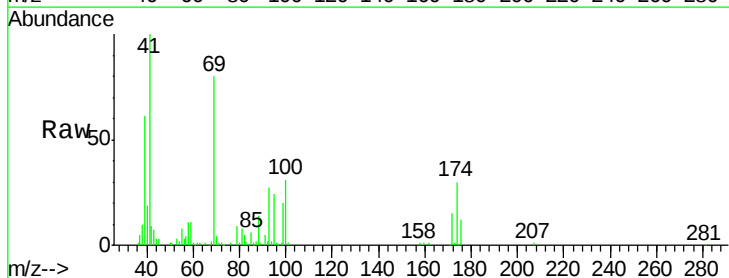
Manual Integrations
APPROVED

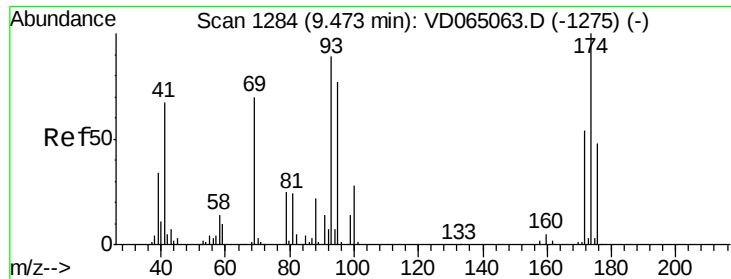
MMDadoda
2/7/2020 12:05:28 PM



#48
Methyl methacrylate
Concen: 47.620 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	113097		
69	85.1	67.5	101.3	
39	57.0	47.0	70.4	





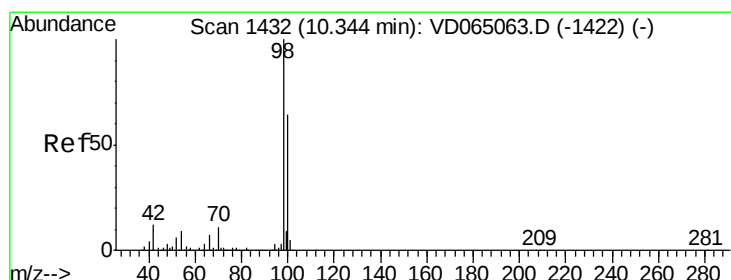
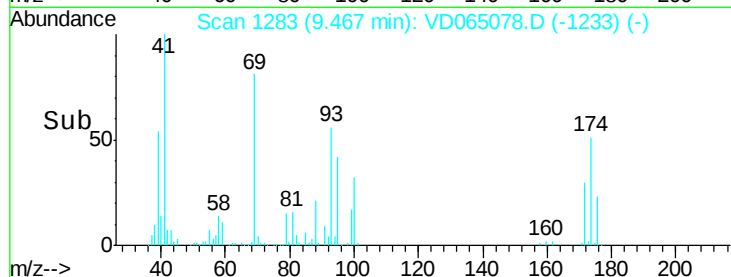
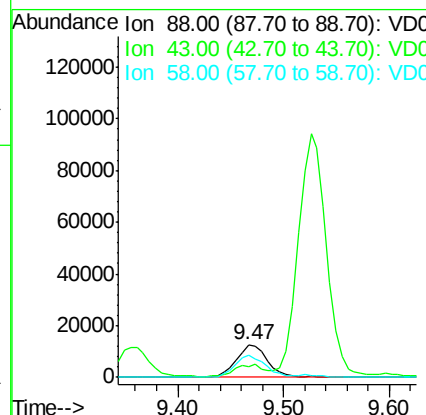
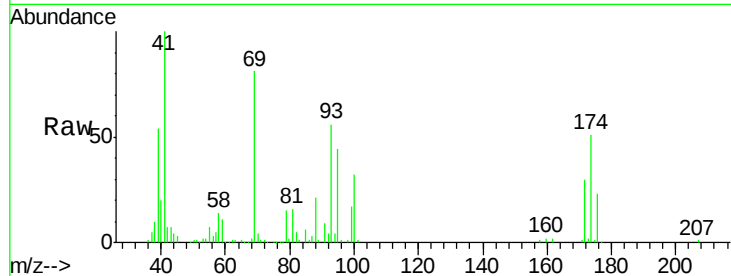
#49
1,4-Dioxane
Concen: 985.634 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.01 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	25651
Ion	Ratio	Lower	Upper
88	100		
43	37.0	27.7	41.5
58	66.3	55.5	83.3

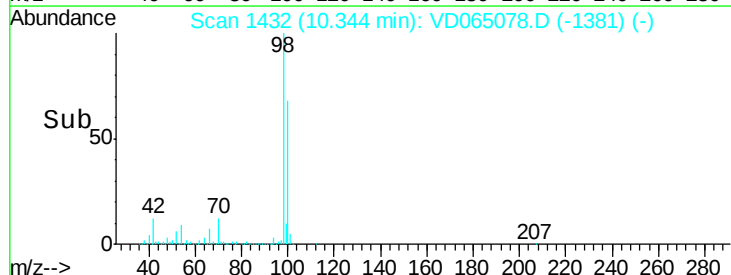
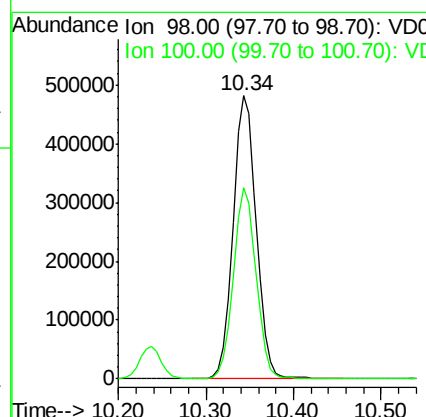
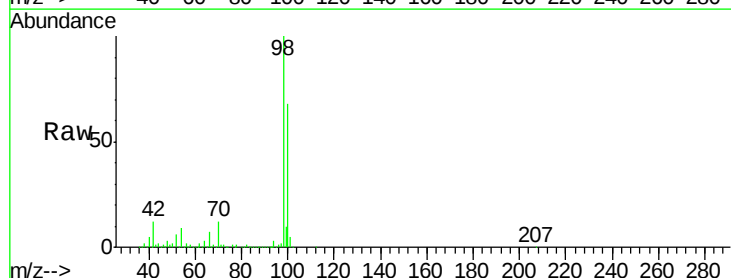
Manual Integrations
APPROVED

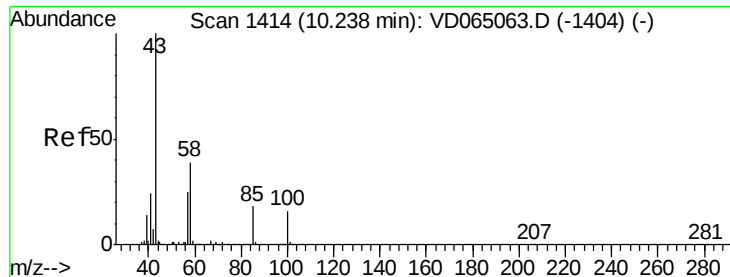
MMDadoda
2/7/2020 12:05:28 PM



#50
Toluene-d8
Concen: 57.558 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Tgt Ion	98	Resp	868164
Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 247.421 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 601076

Ion Ratio Lower Upper

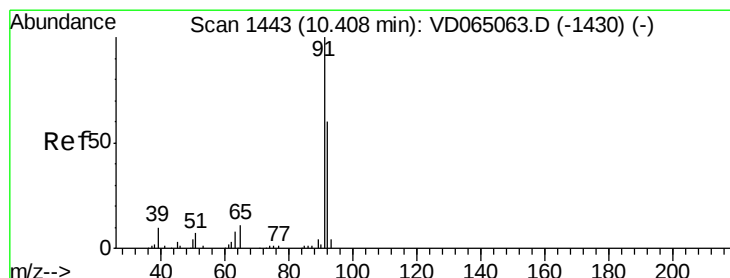
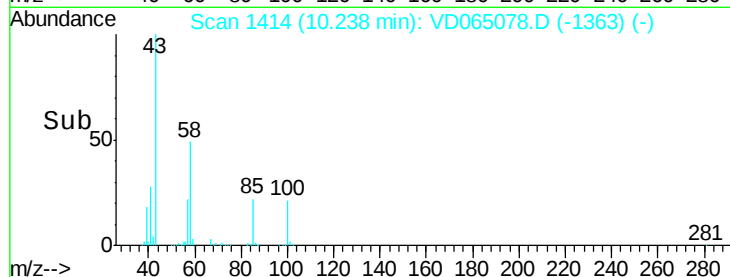
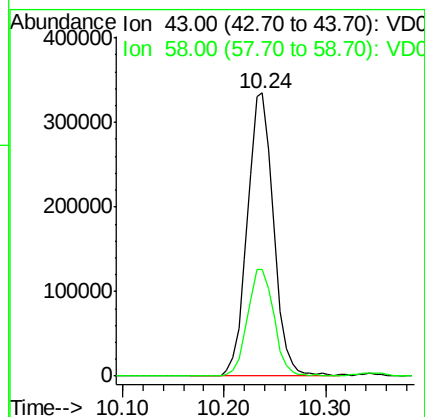
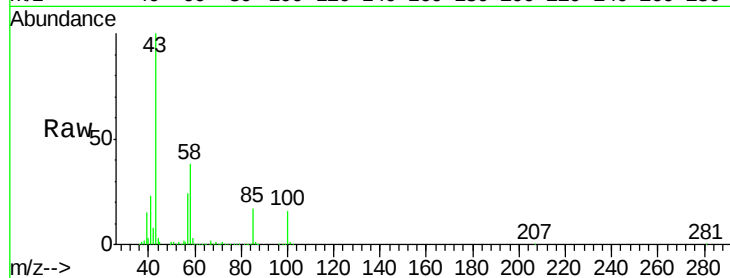
43 100

58 38.3 30.2 45.2

Manual Integrations
APPROVED

MMDadoda

2/7/2020 12:05:28 PM



#52

Toluene

Concen: 52.686 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065078.D

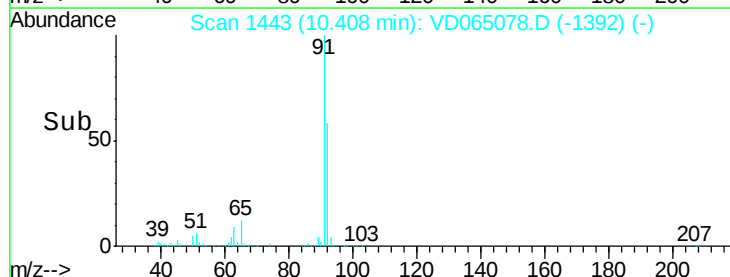
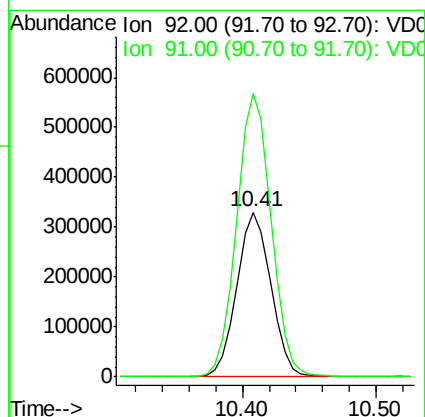
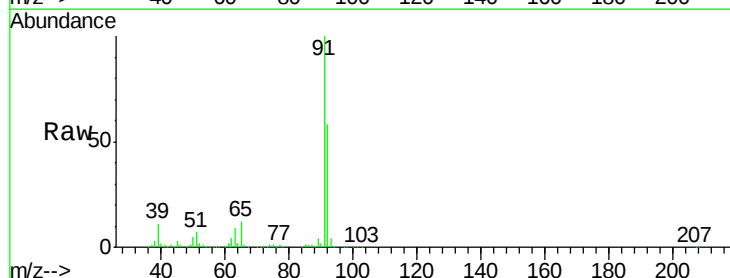
Acq: 06 Feb 2020 10:53

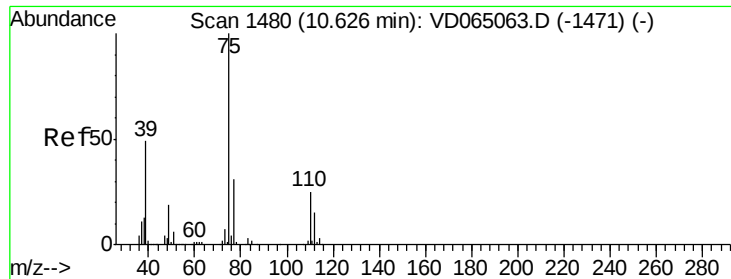
Tgt Ion: 92 Resp: 586445

Ion Ratio Lower Upper

92 100

91 173.9 135.3 202.9





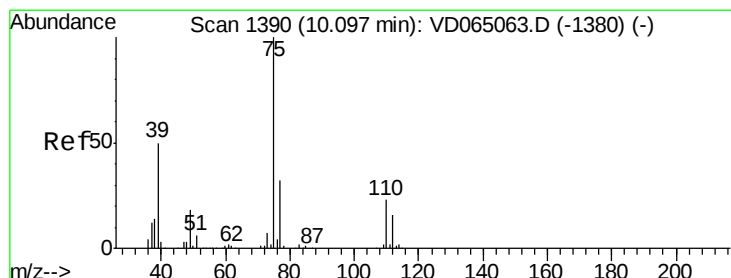
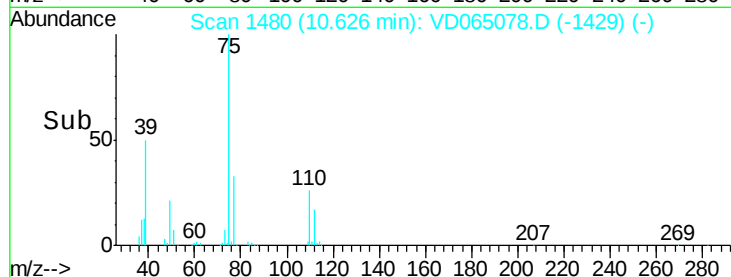
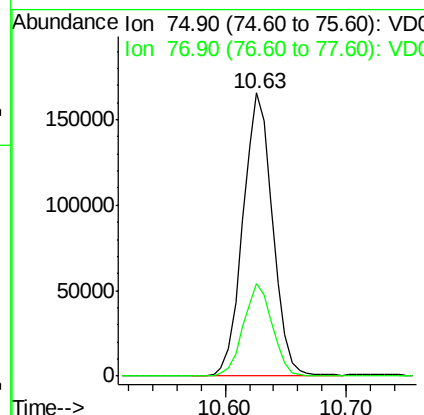
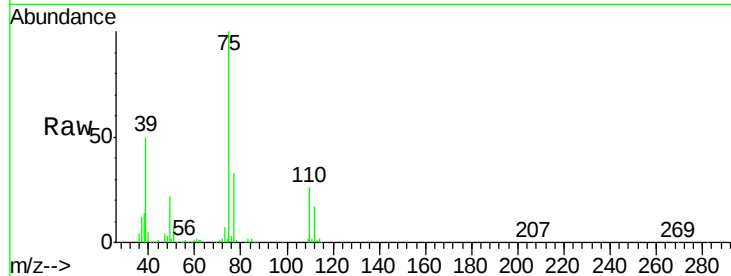
#53
t-1,3-Dichloropropene
Concen: 50.506 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.6	24.9	37.3

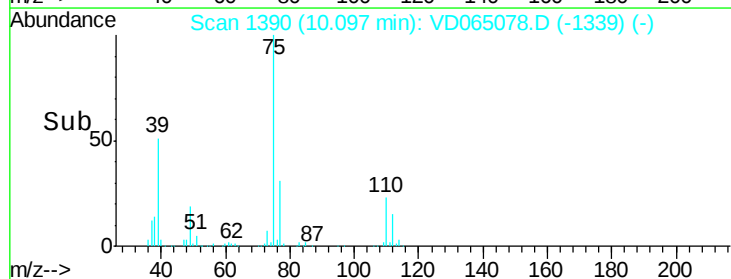
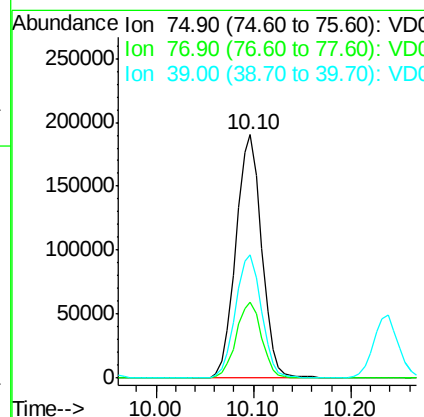
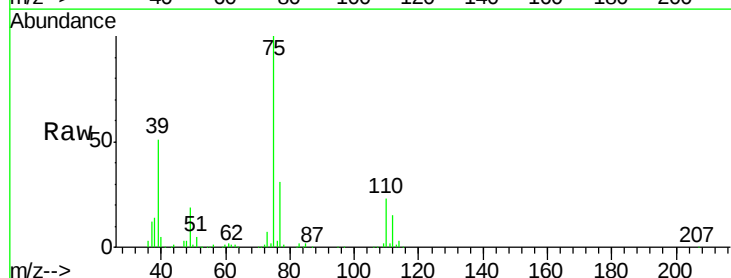
Manual Integrations
APPROVED

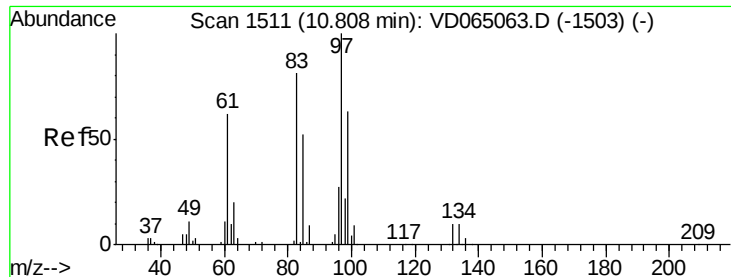
MMDadoda
2/7/2020 12:05:28 PM



#54
cis-1,3-Dichloropropene
Concen: 51.889 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.3	37.9
39	50.7	40.3	60.5





#55

1,1,2-Trichloroethane

Concen: 50.409 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Instrument :

MSVOA_D

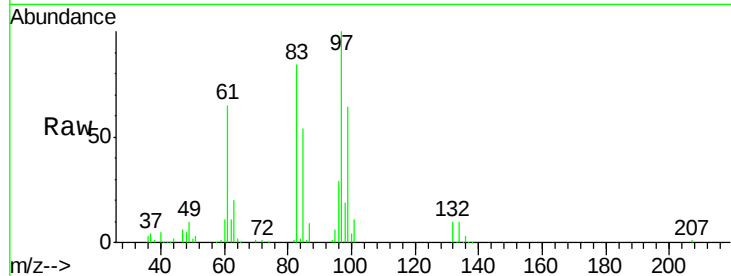
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	151926
Ion	Ratio	Lower	Upper
97	100		
83	84.4	64.8	97.2
85	53.5	41.2	61.8
99	64.2	50.3	75.5

Manual Integrations
APPROVED

MMDadoda
2/7/2020 12:05:28 PM

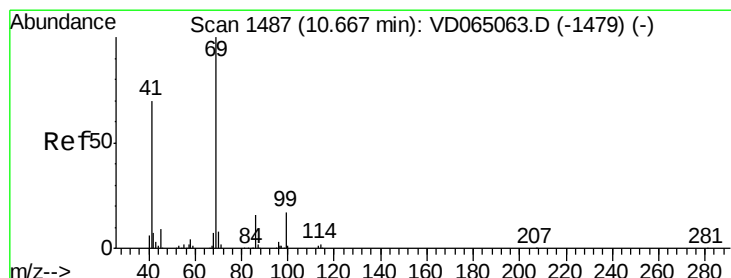
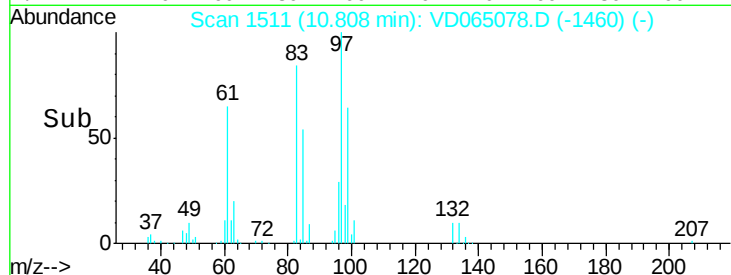
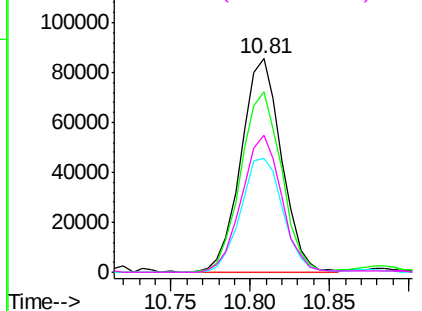


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 49.569 ug/l

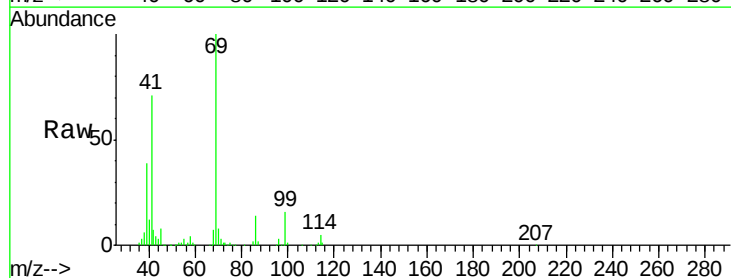
RT: 10.67 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

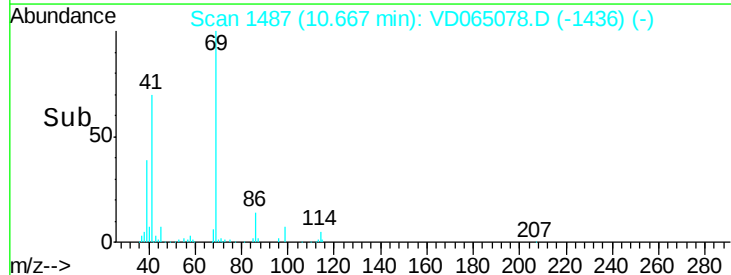
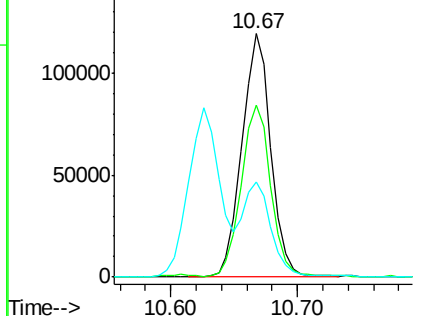
Tgt Ion:	69	Resp:	189025
Ion	Ratio	Lower	Upper
69	100		
41	71.8	55.9	83.9
39	38.1	29.4	44.0

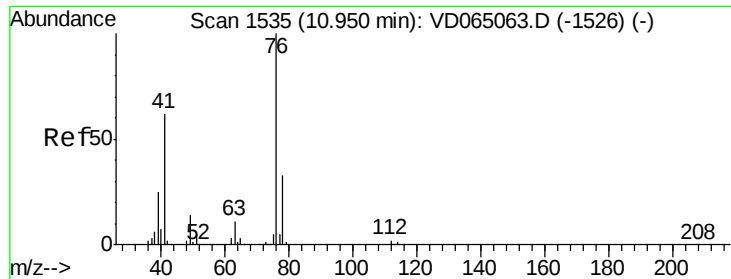


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 50.863 ug/l

RT: 10.96 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 269552

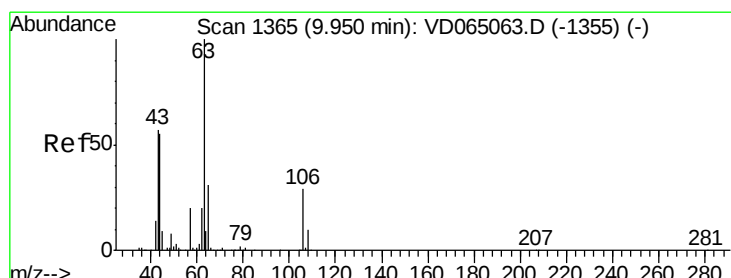
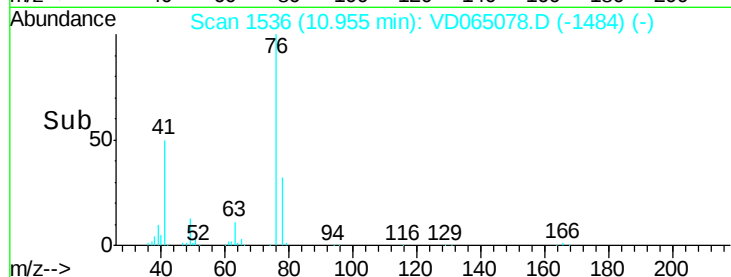
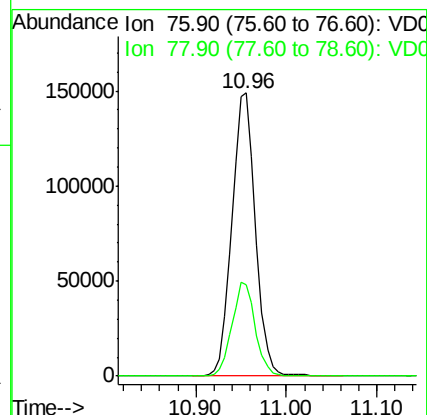
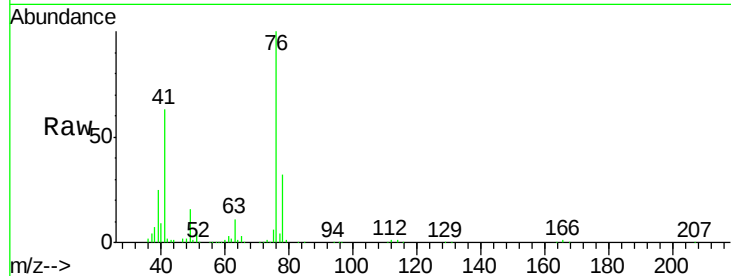
Ion Ratio Lower Upper

76 100

78 32.7 25.8 38.6

Manual Integrations
APPROVED

MMDadoda
2/7/2020 12:05:28 PM



#58

2-Chloroethyl Vinyl ether

Concen: 237.129 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065078.D

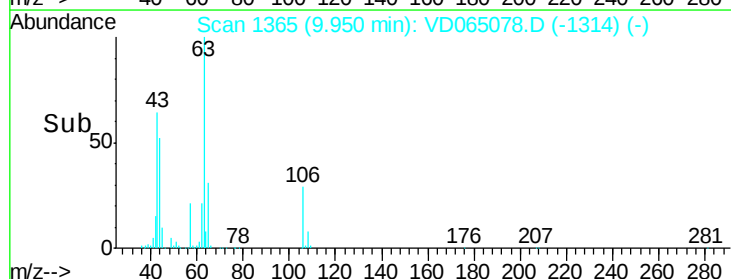
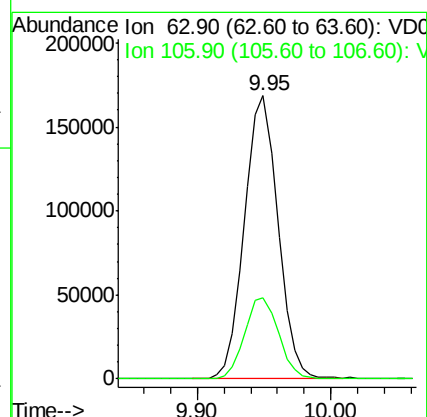
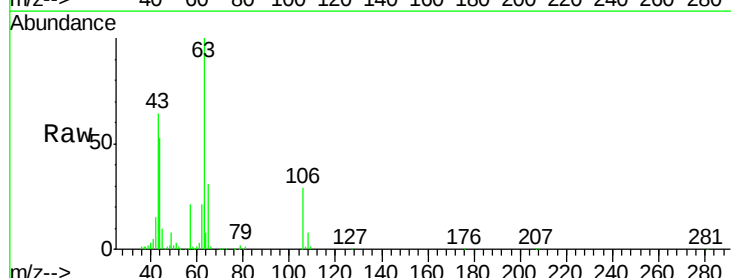
Acq: 06 Feb 2020 10:53

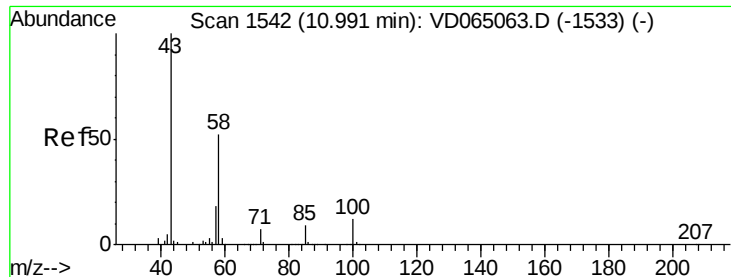
Tgt Ion: 63 Resp: 293369

Ion Ratio Lower Upper

63 100

106 29.0 23.3 34.9





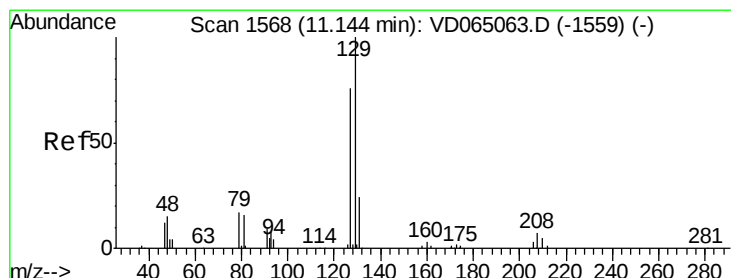
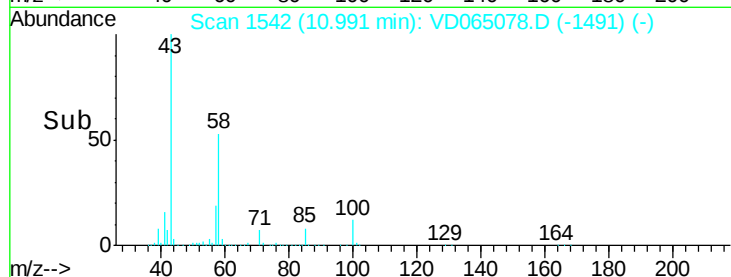
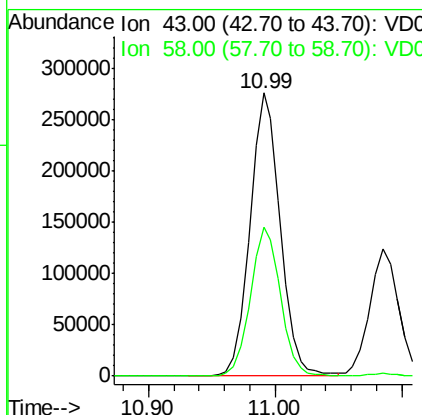
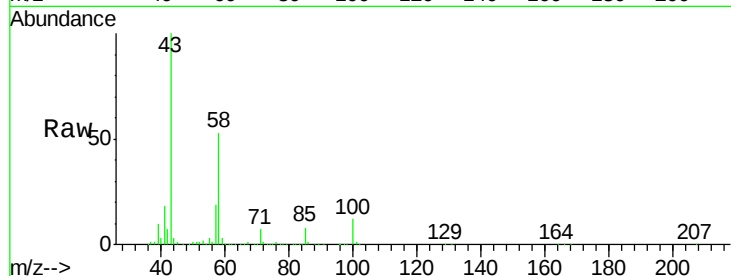
#59
2-Hexanone
Concen: 265.867 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 457497
Ion Ratio Lower Upper
43 100
58 52.7 26.2 78.6

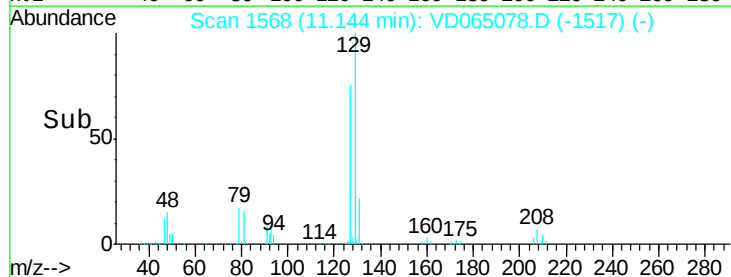
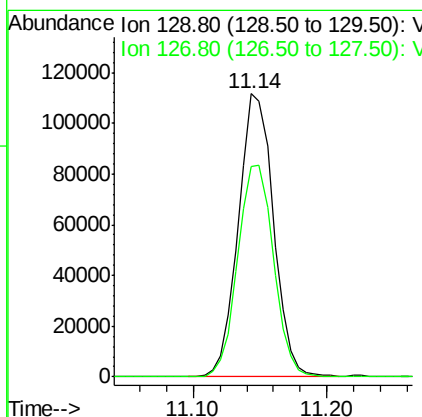
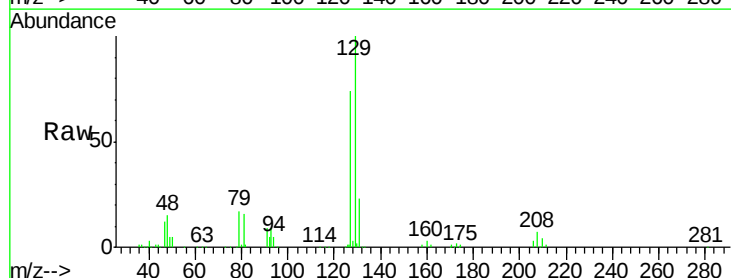
Manual Integrations
APPROVED

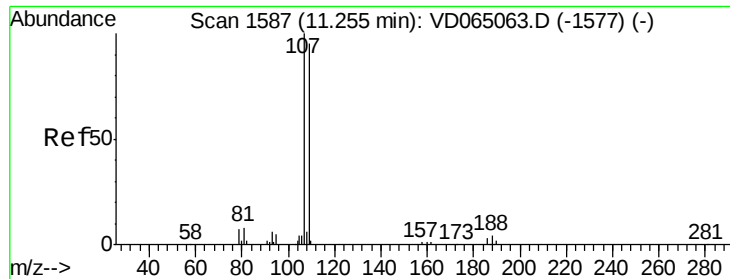
MMDadoda
2/7/2020 12:05:28 PM



#60
Dibromochloromethane
Concen: 52.216 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Tgt Ion: 129 Resp: 203837
Ion Ratio Lower Upper
129 100
127 76.1 38.3 114.9





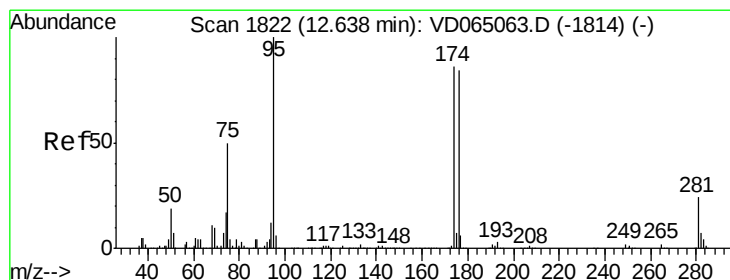
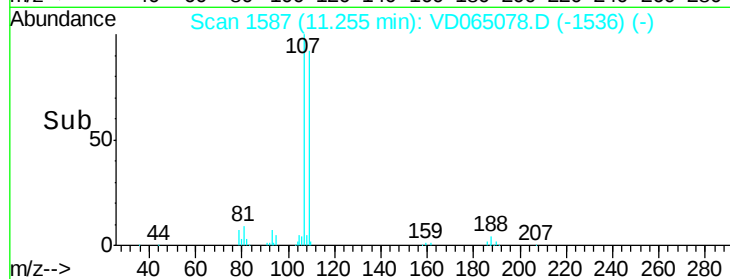
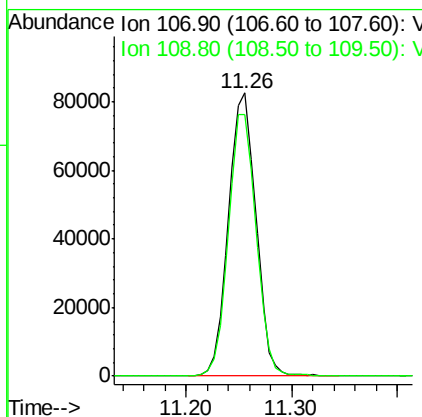
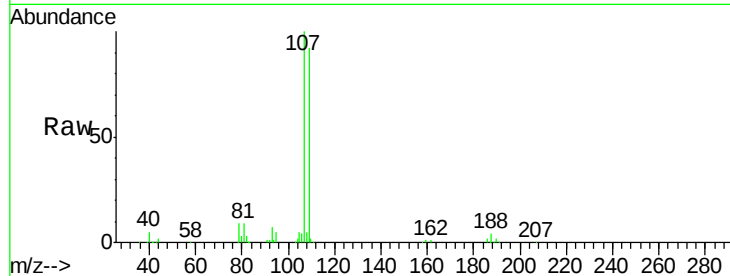
#61
 1,2-Dibromoethane
 Concen: 50.526 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. -0.00 min
 Lab File: VD065078.D
 Acq: 06 Feb 2020 10:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	75.5	113.3

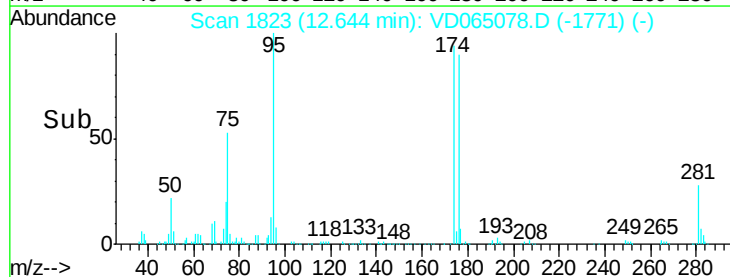
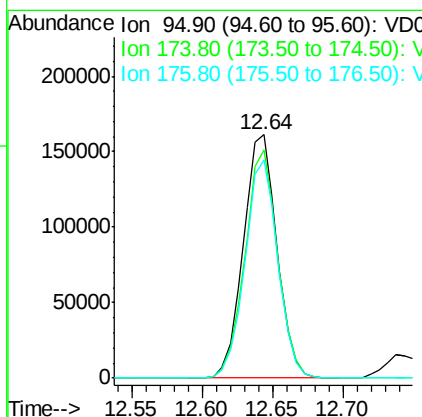
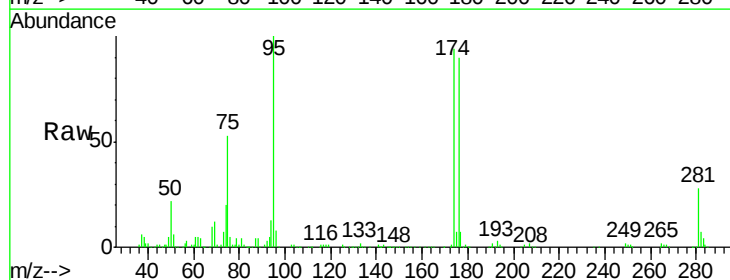
Manual Integrations
 APPROVED

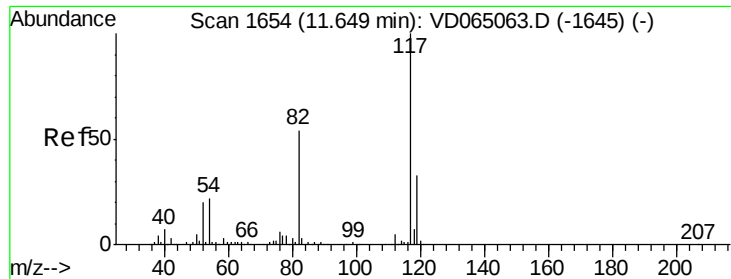
MMDadoda
 2/7/2020 12:05:28 PM



#62
 4-Bromofluorobenzene
 Concen: 56.162 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.01 min
 Lab File: VD065078.D
 Acq: 06 Feb 2020 10:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.7	0.0	180.0
176	87.6	0.0	173.2





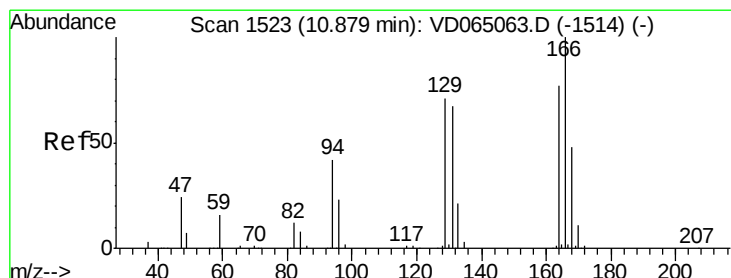
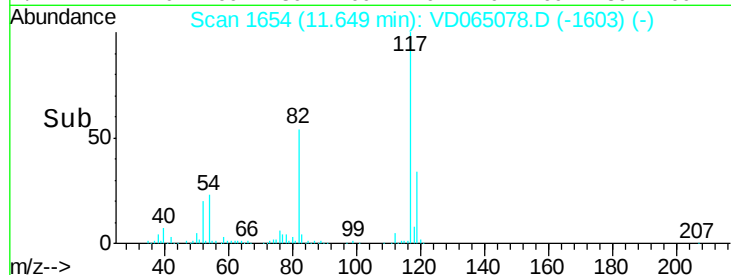
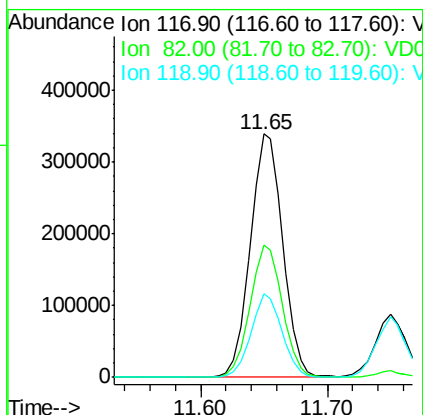
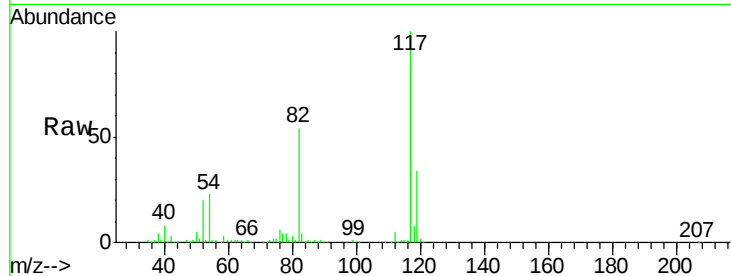
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	604159		
82	54.4	43.1	64.7	
119	34.1	26.0	39.0	

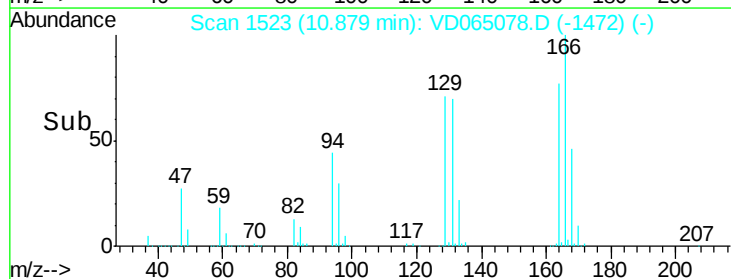
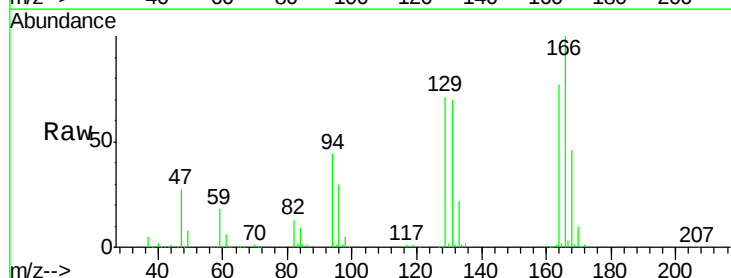
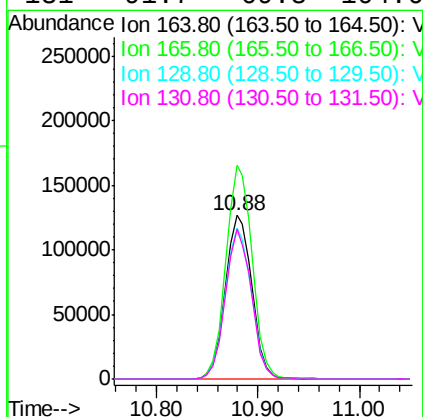
Manual Integrations
APPROVED

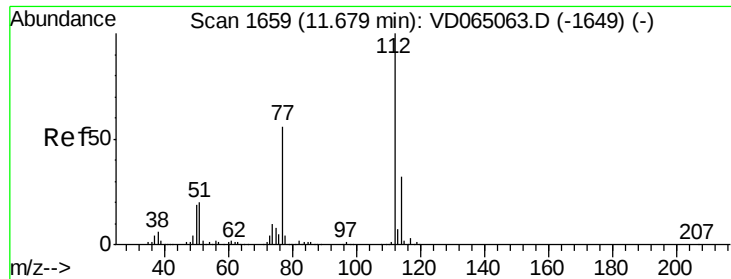
MMDadoda
2/7/2020 12:05:28 PM



#64
Tetrachloroethene
Concen: 53.015 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	230148		
166	130.6	103.5	155.3	
129	92.7	73.3	109.9	
131	91.7	69.8	104.6	





#65

Chlorobenzene

Concen: 51.592 ug/l

RT: 11.68 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 602867

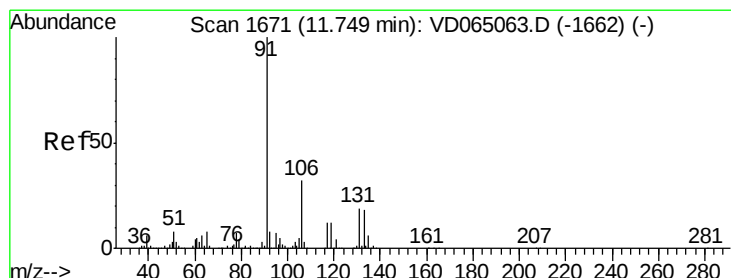
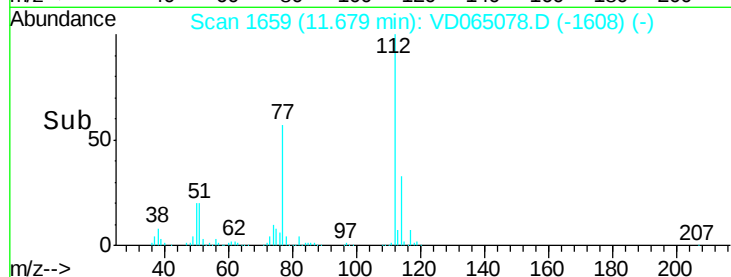
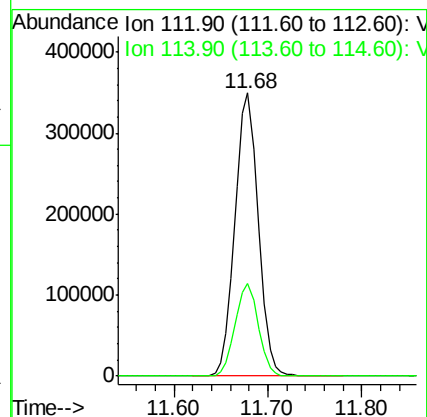
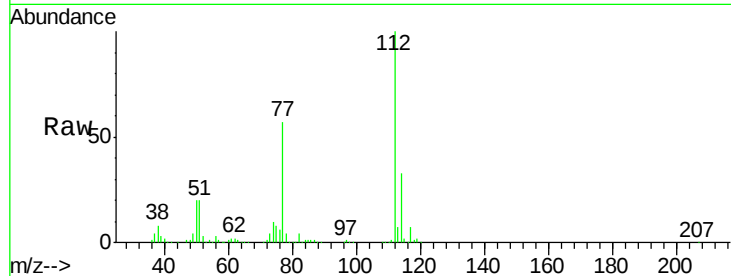
Ion Ratio Lower Upper

112 100

114 32.8 25.4 38.0

Manual Integrations
APPROVED

MMDadoda
2/7/2020 12:05:28 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 51.716 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

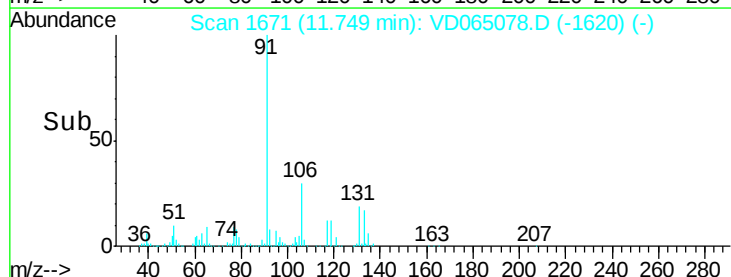
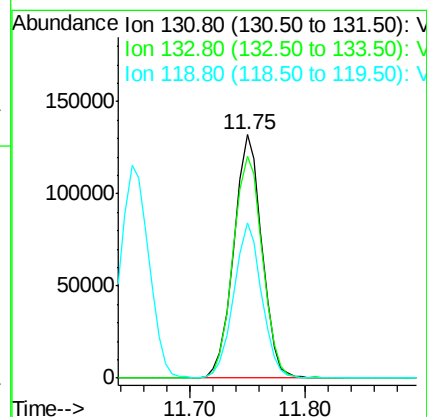
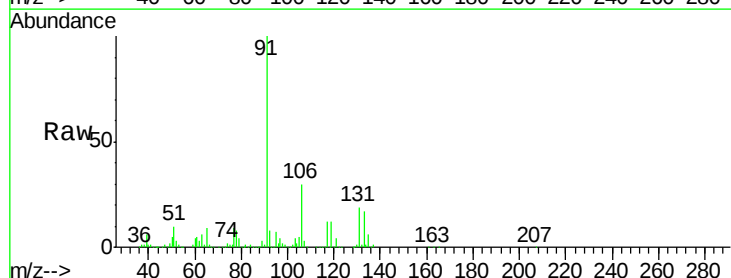
Tgt Ion:131 Resp: 223040

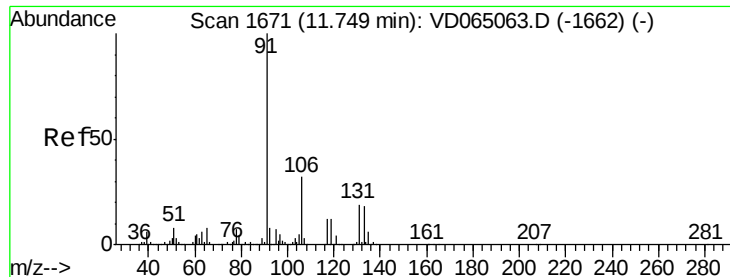
Ion Ratio Lower Upper

131 100

133 95.5 47.7 143.1

119 63.4 31.3 93.8





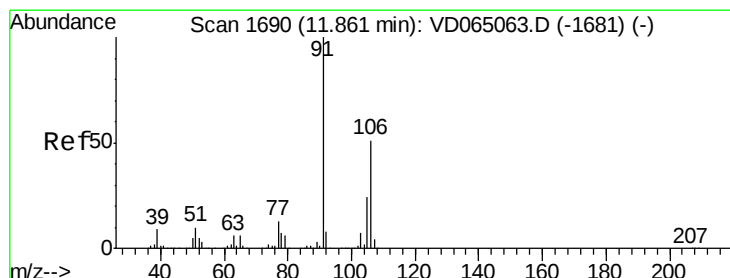
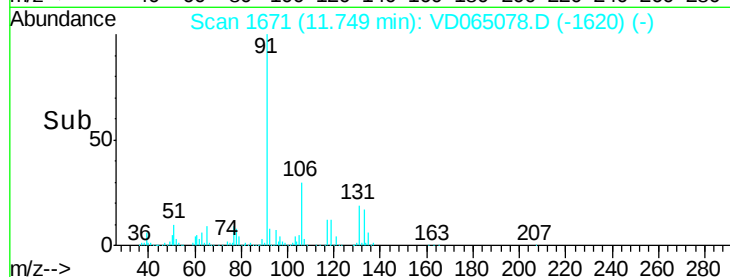
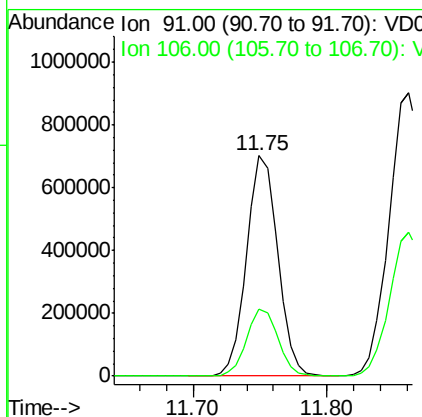
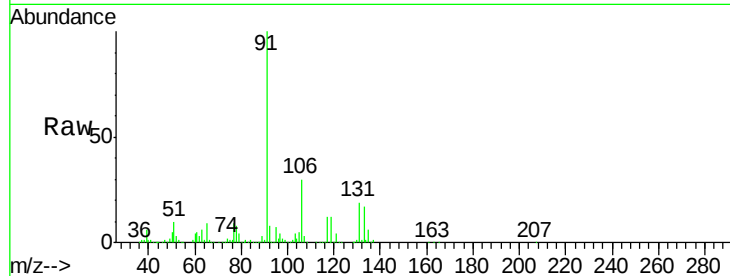
#67
Ethyl Benzene
Concen: 53.305 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1131659
Ion Ratio Lower Upper
91 100
106 30.4 25.4 38.2

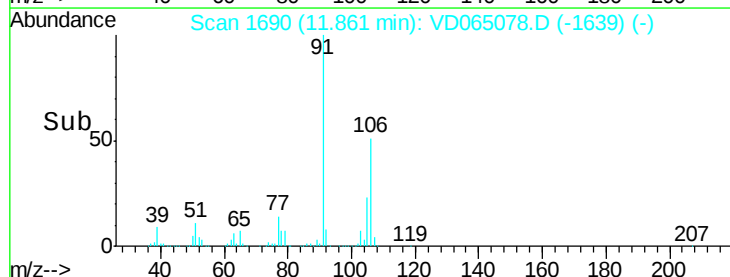
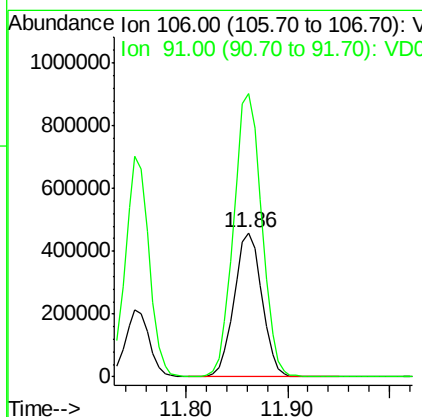
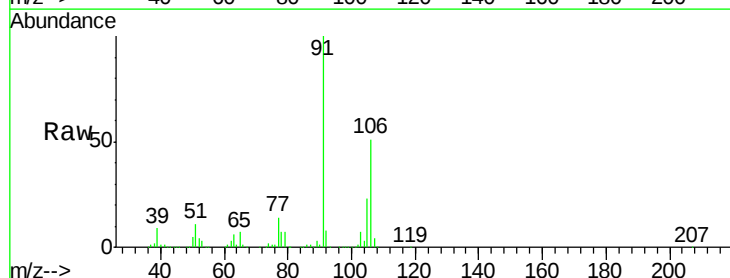
Manual Integrations
APPROVED

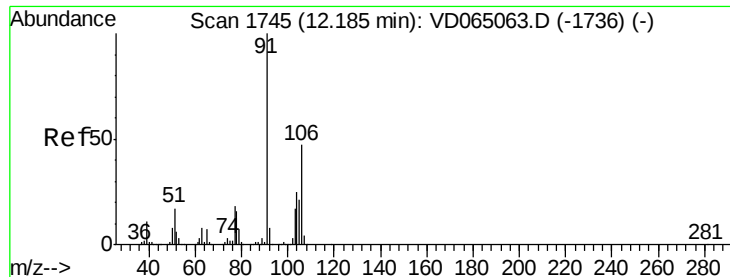
MMDadoda
2/7/2020 12:05:28 PM



#68
m/p-Xylenes
Concen: 108.174 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Tgt Ion: 106 Resp: 876528
Ion Ratio Lower Upper
106 100
91 197.9 158.9 238.3





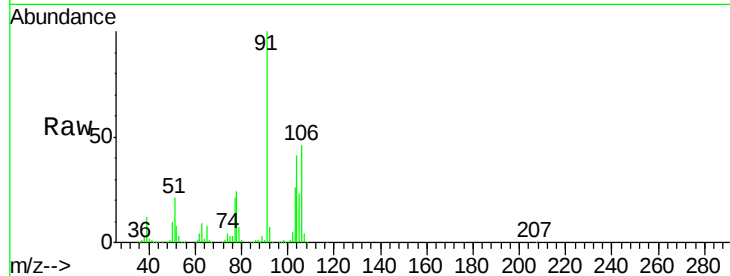
#69
o-Xylene
Concen: 52.935 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

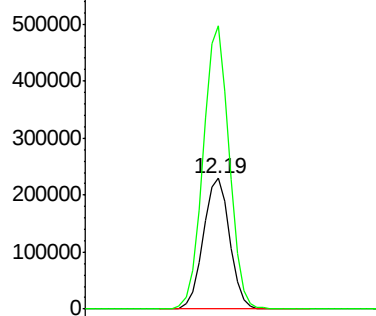
Tot Ion:106 Resp: 386257
Ion Ratio Lower Upper
106 100
91 212.5 104.7 313.9

Manual Integrations
APPROVED

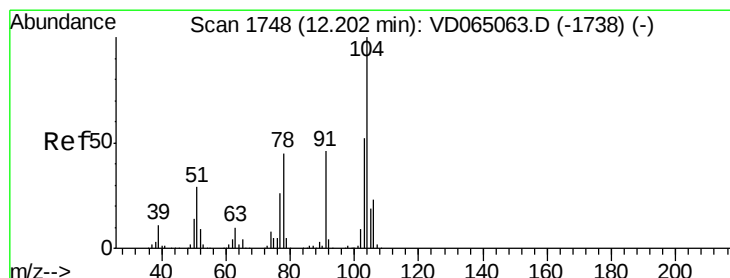
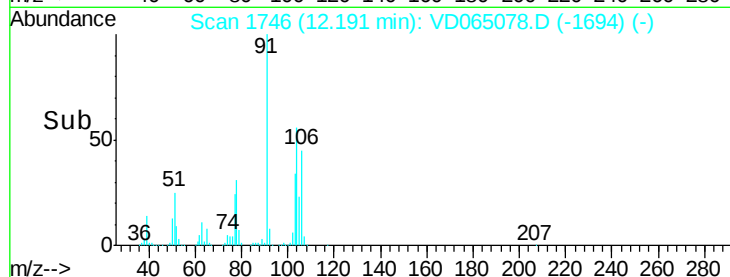
MMDadoda
2/7/2020 12:05:28 PM



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

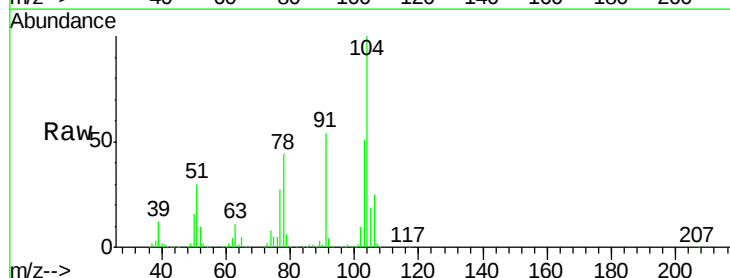


Time-->

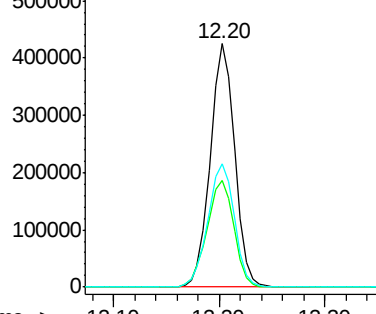


#70
Styrene
Concen: 53.564 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

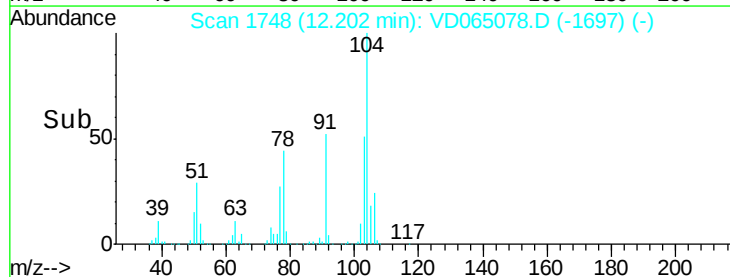
Tgt Ion:104 Resp: 679301
Ion Ratio Lower Upper
104 100
78 48.5 38.5 57.7
103 55.0 43.8 65.8

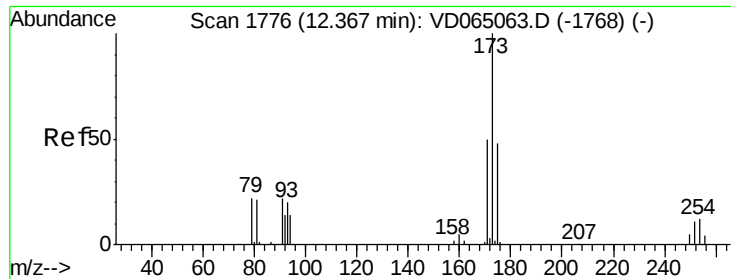


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V



Time-->





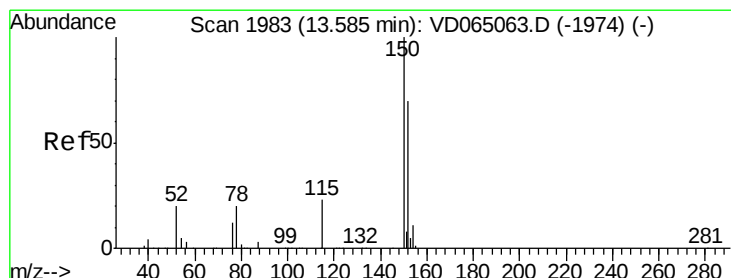
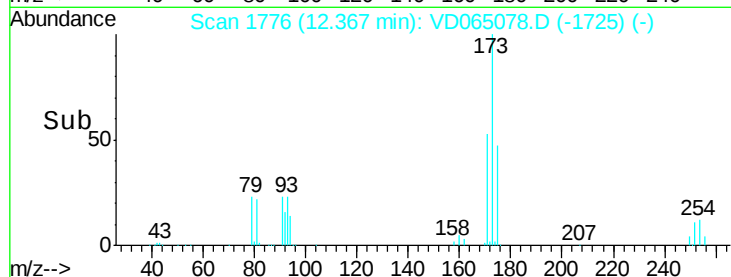
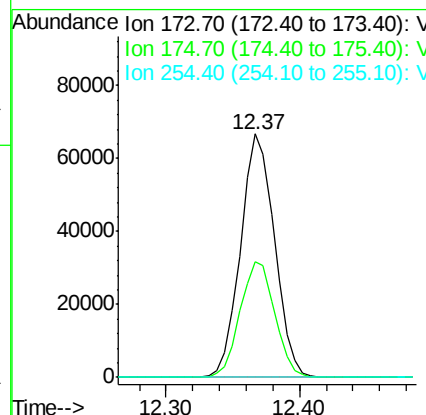
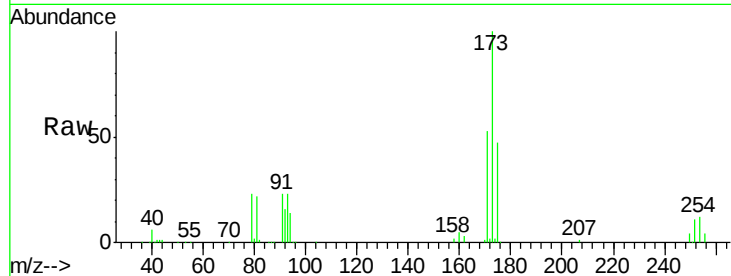
#71
Bromoform
Concen: 50.606 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.3	72.8
254	0.1	0.1	0.1#

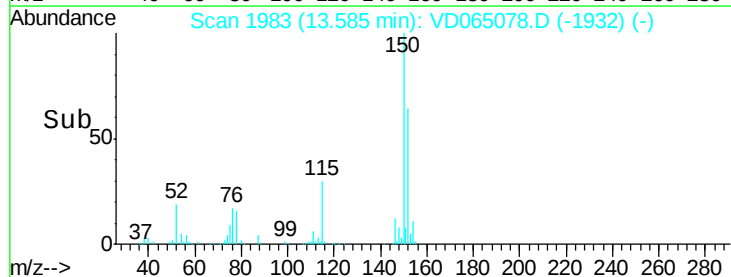
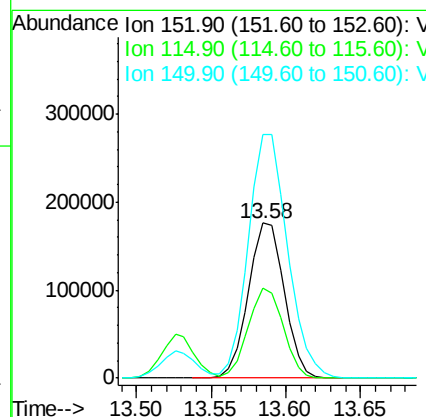
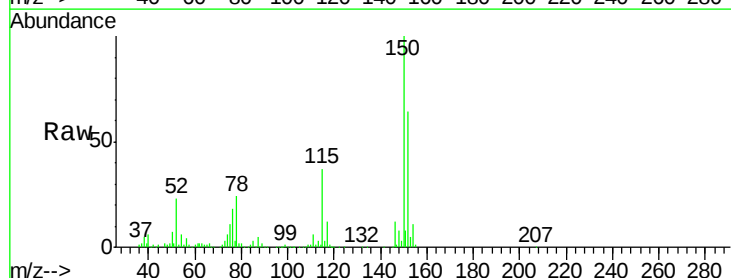
Manual Integrations
APPROVED

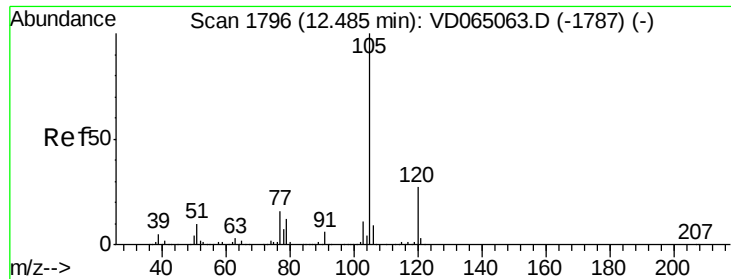
MMDadoda
2/7/2020 12:05:28 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.7	27.5	82.4
150	171.8	0.0	343.2





#73

Isopropylbenzene

Concen: 52.664 ug/l

RT: 12.49 min Scan# 1797

Delta R.T. 0.01 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 1062700

Ion Ratio Lower Upper

105 100

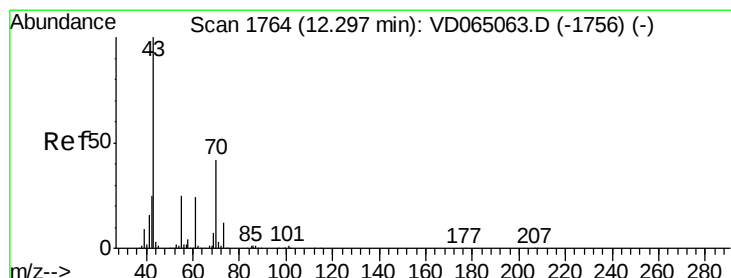
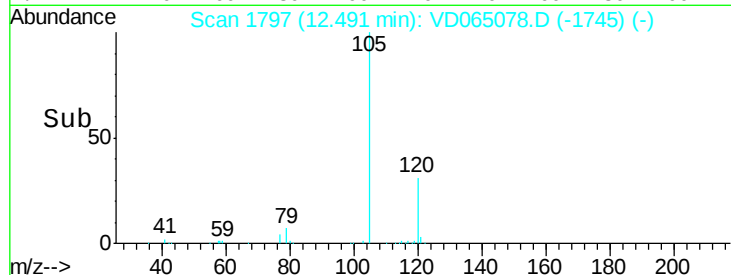
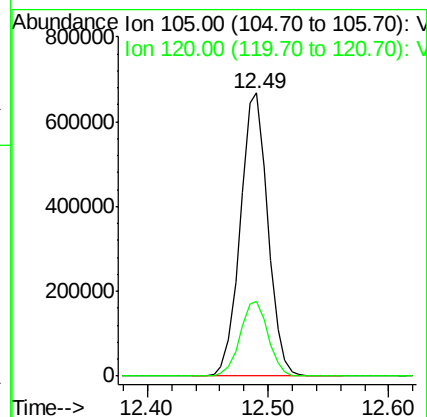
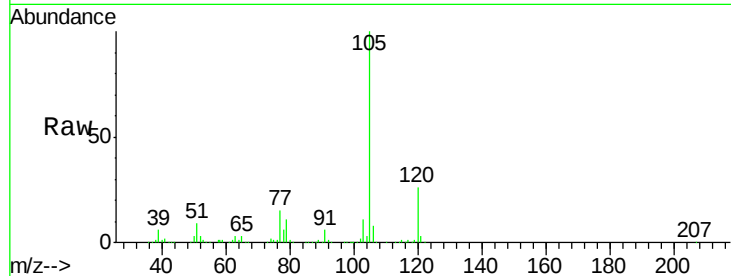
120 26.8 13.3 39.9

Manual Integrations

APPROVED

MMDadoda

2/7/2020 12:05:28 PM



#74

N-ethyl acetate

Concen: 48.598 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Tgt Ion: 43 Resp: 213153

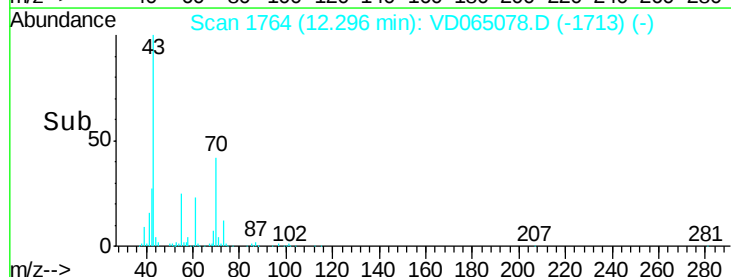
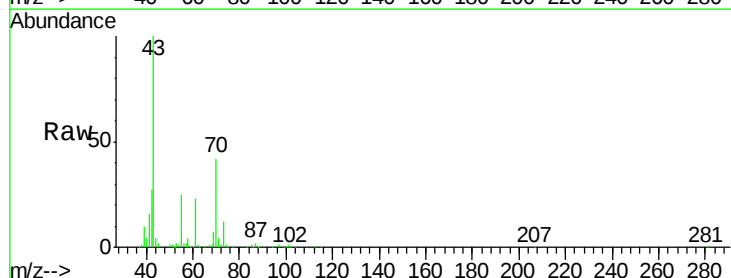
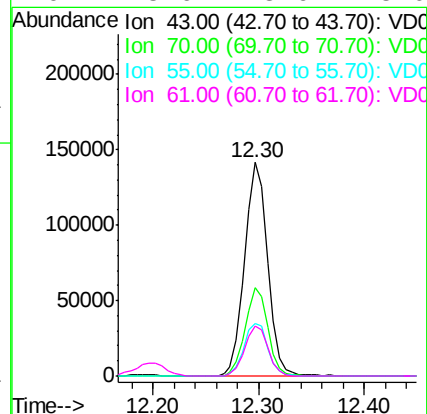
Ion Ratio Lower Upper

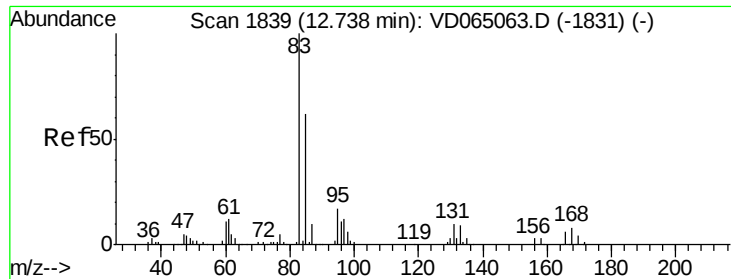
43 100

70 41.0 33.5 50.3

55 25.9 19.4 29.2

61 23.6 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.271 ug/l

RT: 12.74 min Scan# 1840

Delta R.T. 0.01 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 156478

Ion Ratio Lower Upper

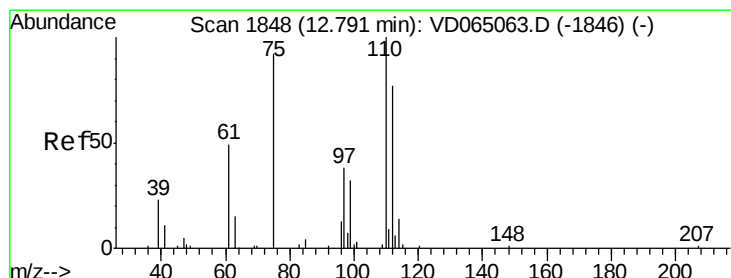
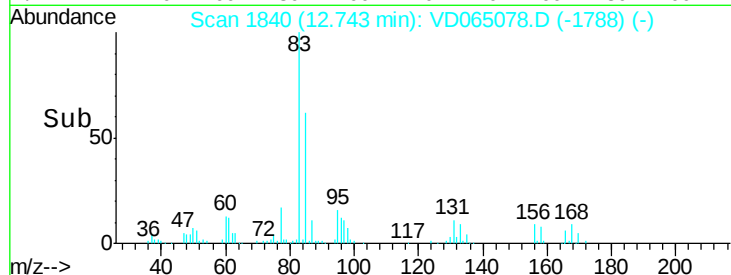
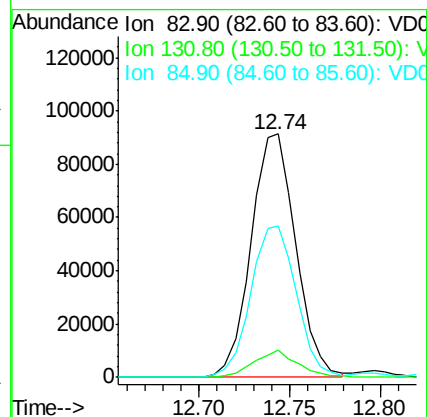
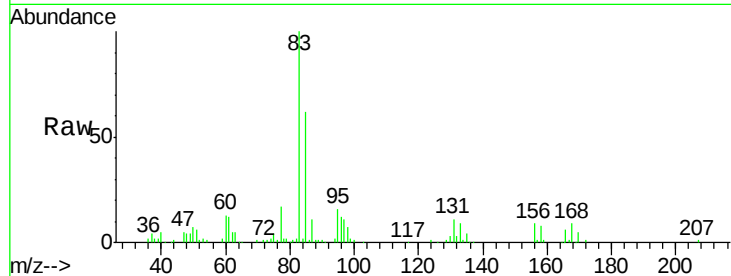
83 100

131 11.1 5.5 16.4

85 63.3 31.8 95.4

Manual Integrations
APPROVED

MMDadoda
2/7/2020 12:05:28 PM



#76

1,2,3-Trichloropropane

Concen: 52.219 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065078.D

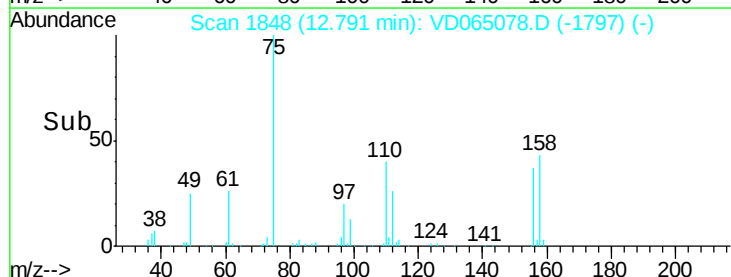
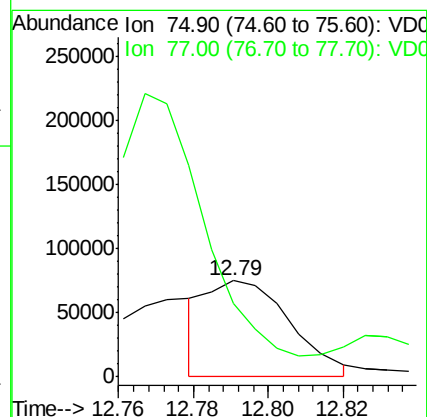
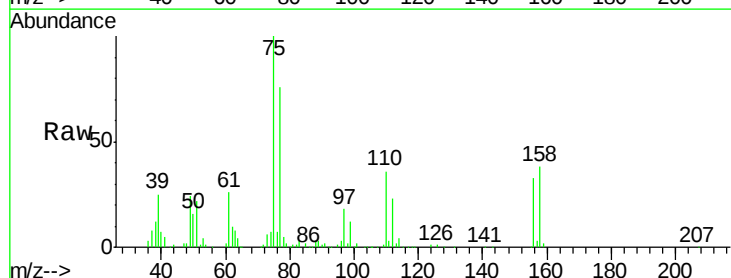
Acq: 06 Feb 2020 10:53

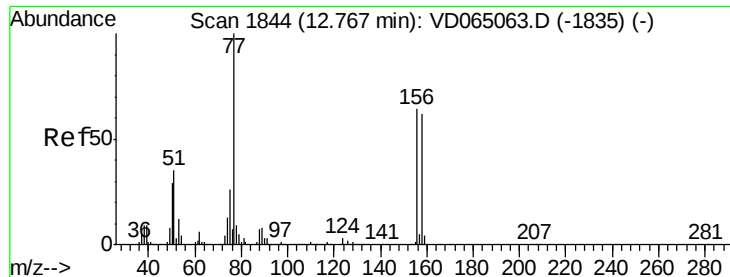
Tgt Ion: 75 Resp: 116234

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 50.312 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. 0.01 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Instrument :

MSVOA_D

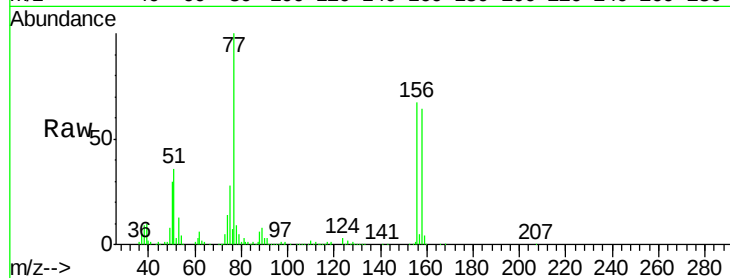
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	244606
Ion Ratio	Lower	Upper	
156	100		
77	168.8	85.6	256.8
158	97.4	47.4	142.2

Manual Integrations
APPROVED

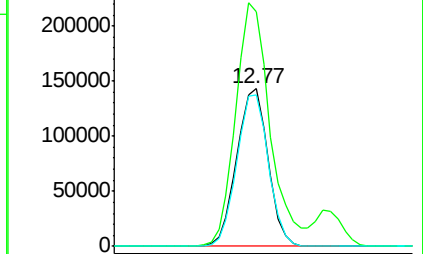
MMDadoda
2/7/2020 12:05:28 PM



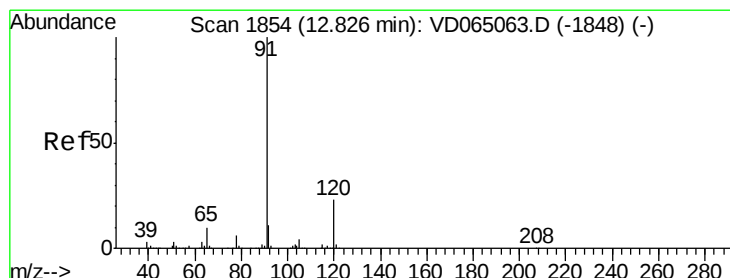
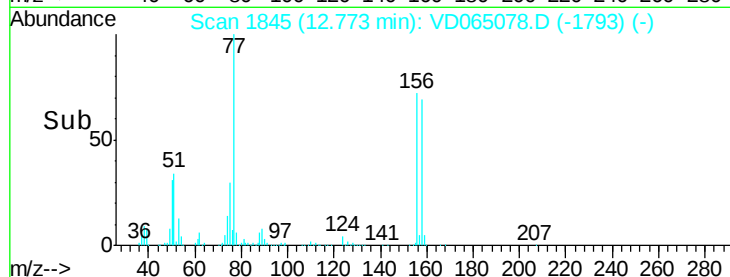
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 53.710 ug/l

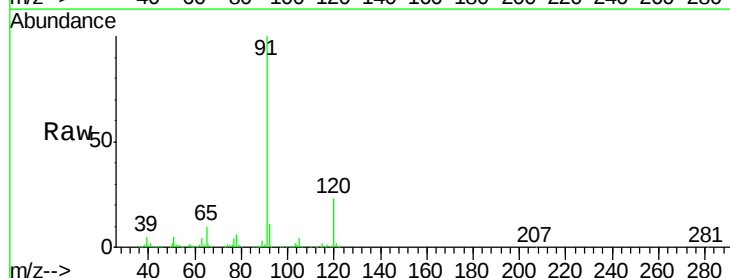
RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD065078.D

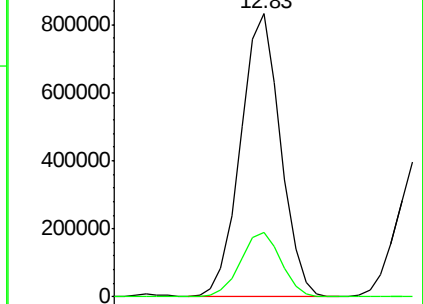
Acq: 06 Feb 2020 10:53

Tgt Ion:	91	Resp:	1269241
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.8	35.3

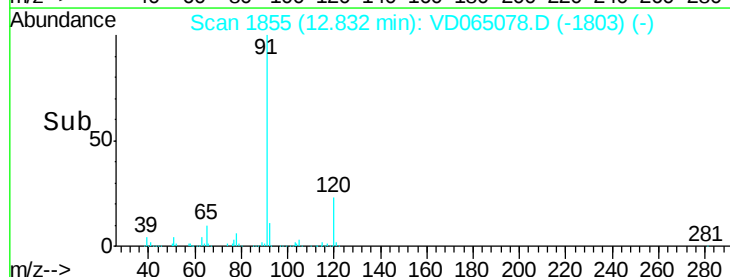


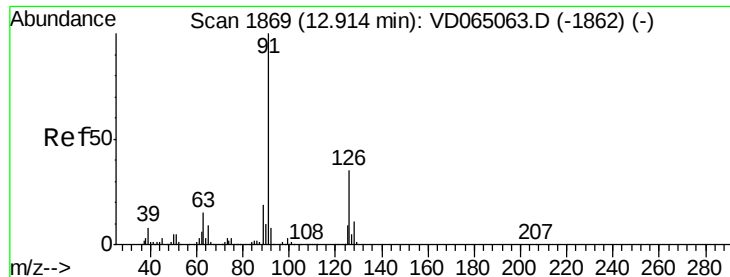
Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 51.268 ug/l

RT: 12.92 min Scan# 1870

Delta R.T. 0.01 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 675320

Ion Ratio Lower Upper

91 100

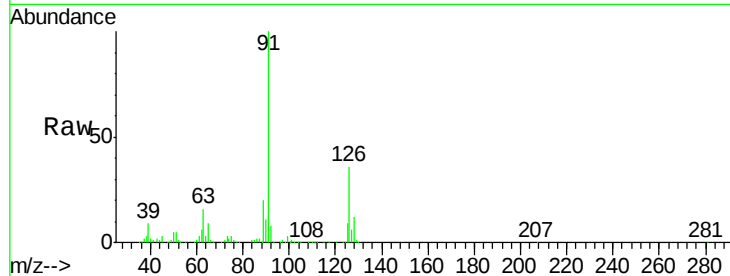
126 35.2 17.4 52.3

Manual Integrations

APPROVED

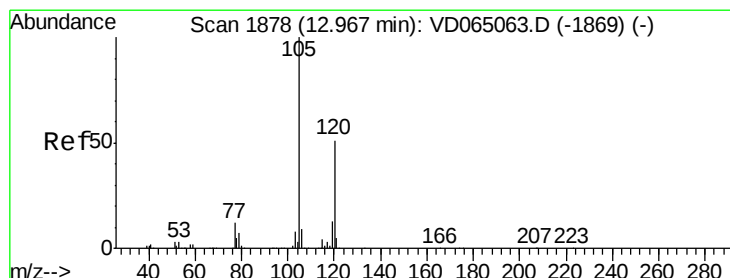
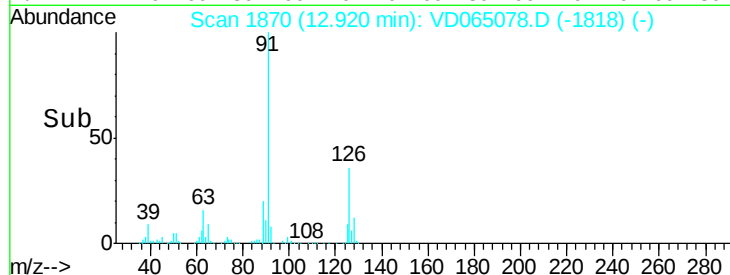
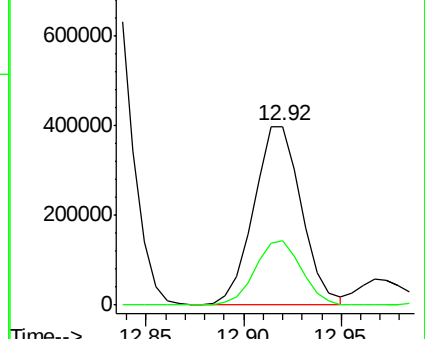
MMDadoda

2/7/2020 12:05:28 PM



Abundance Ion 91.00 (90.70 to 91.70): VD065078.D (-1870) (-)

Ion 125.90 (125.60 to 126.60): VD065078.D (-1870) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.680 ug/l

RT: 12.97 min Scan# 1879

Delta R.T. 0.01 min

Lab File: VD065078.D

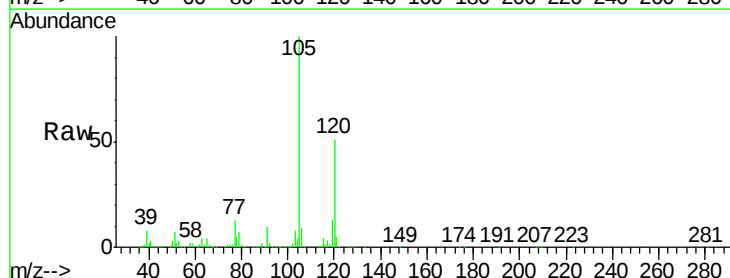
Acq: 06 Feb 2020 10:53

Tgt Ion: 105 Resp: 869674

Ion Ratio Lower Upper

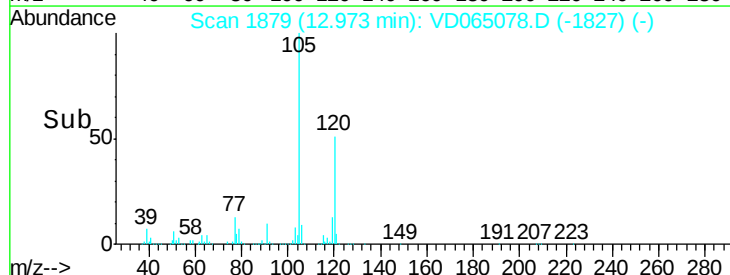
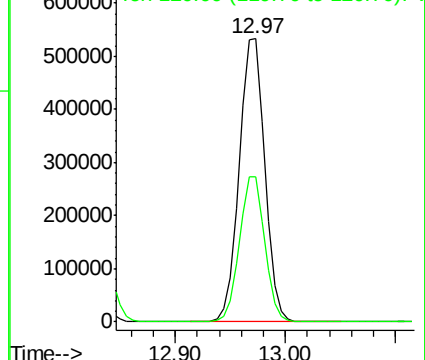
105 100

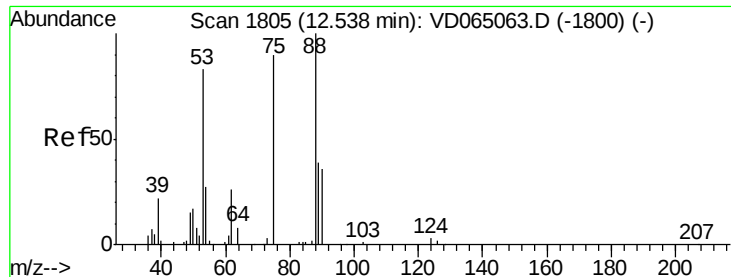
120 50.7 25.1 75.4



Abundance Ion 105.00 (104.70 to 105.70): VD065078.D (-1878) (-)

Ion 120.00 (119.70 to 120.70): VD065078.D (-1878) (-)





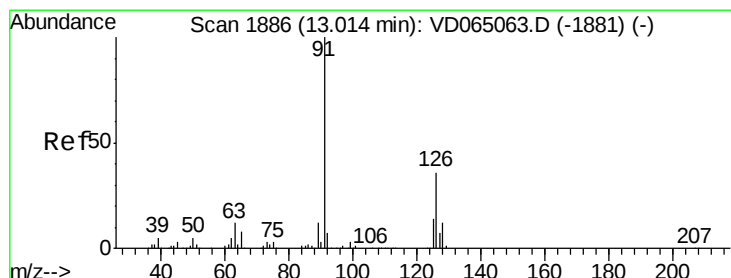
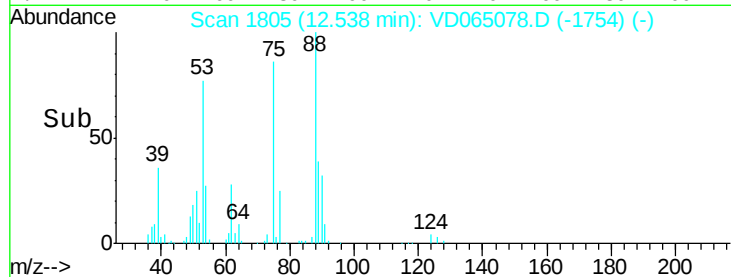
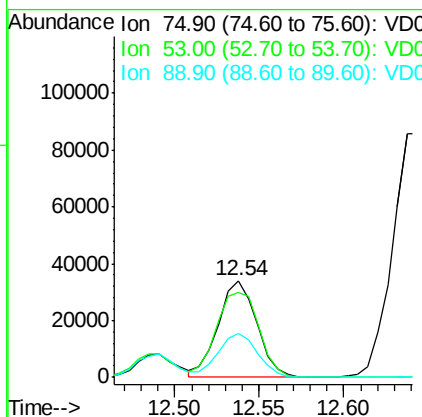
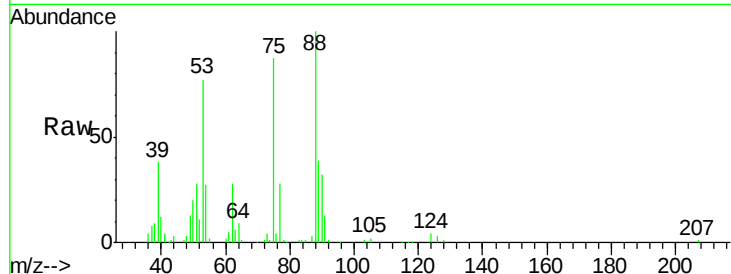
#81
trans-1,4-Dichloro-2-butene
Concen: 48.783 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.0	78.5	117.7
89	45.4	37.0	55.4

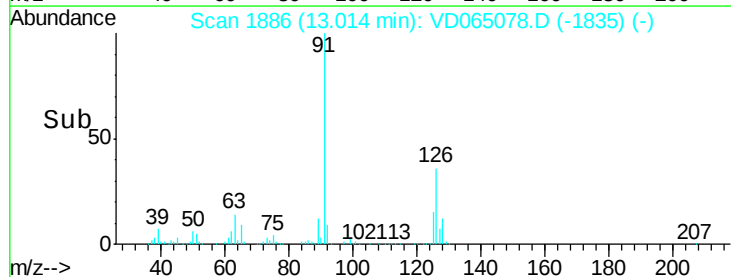
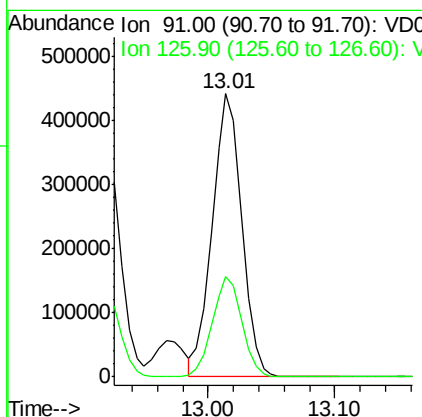
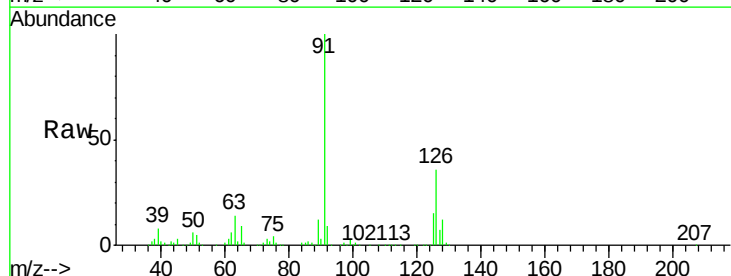
Manual Integrations
APPROVED

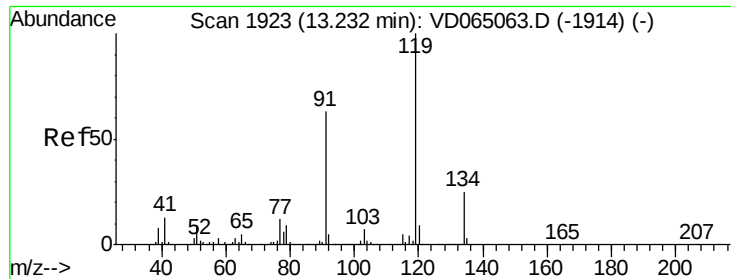
MMDadoda
2/7/2020 12:05:28 PM



#82
4-Chlorotoluene
Concen: 51.630 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.5	52.5





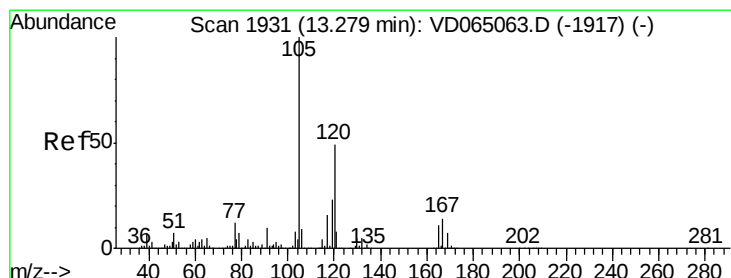
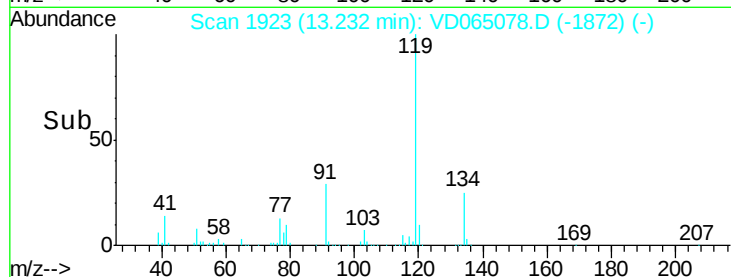
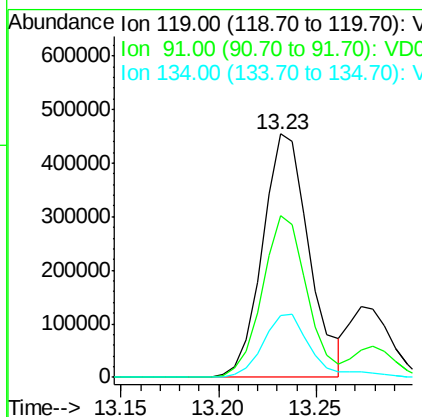
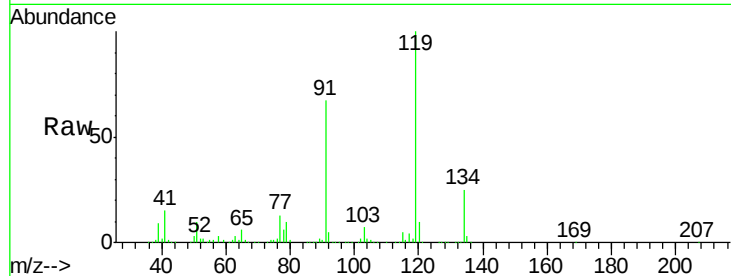
#83
tert-Butylbenzene
Concen: 52.802 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.6	32.3	96.9
134	27.1	13.8	41.3

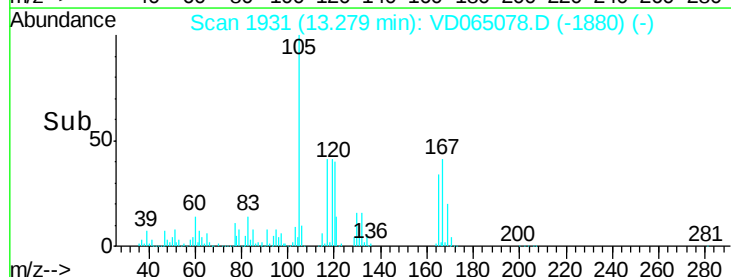
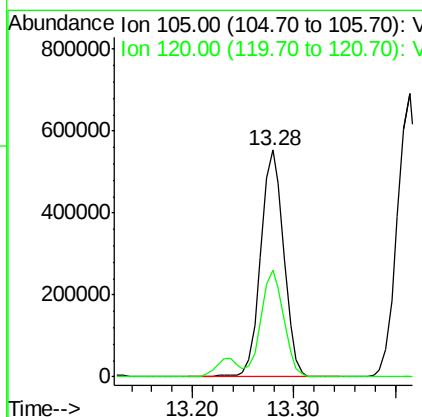
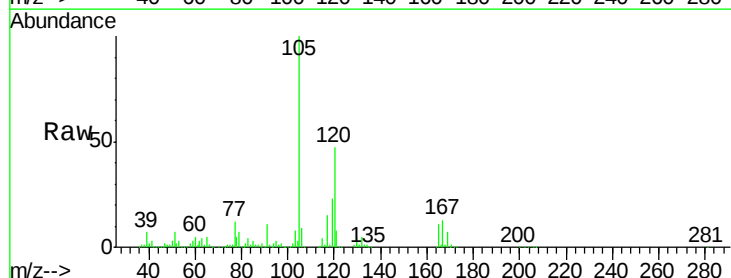
Manual Integrations
APPROVED

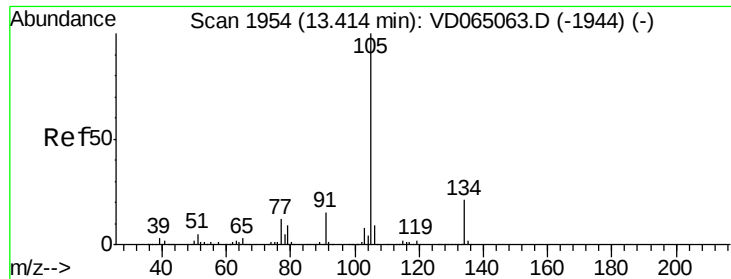
MMDadoda
2/7/2020 12:05:28 PM



#84
1,2,4-Trimethylbenzene
Concen: 53.269 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.5	70.5





#85

sec-Butylbenzene

Concen: 53.776 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1046069

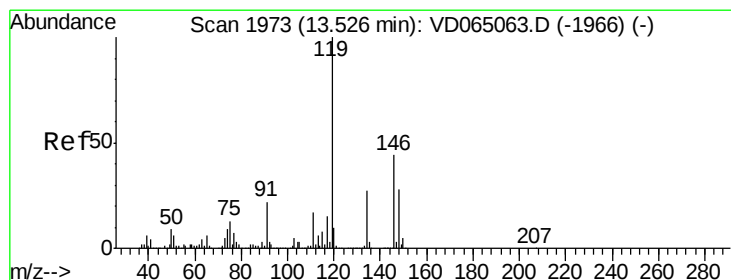
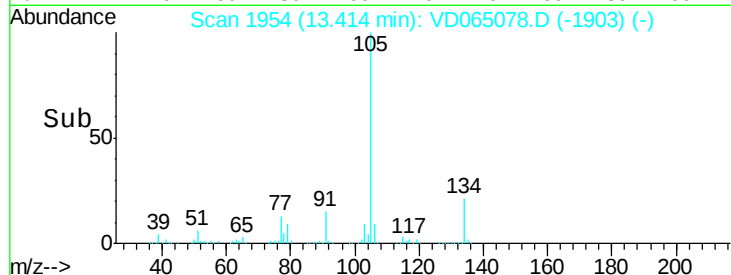
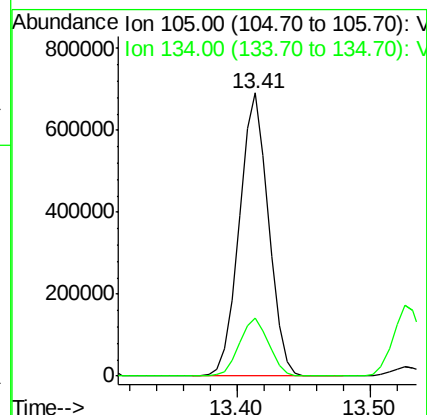
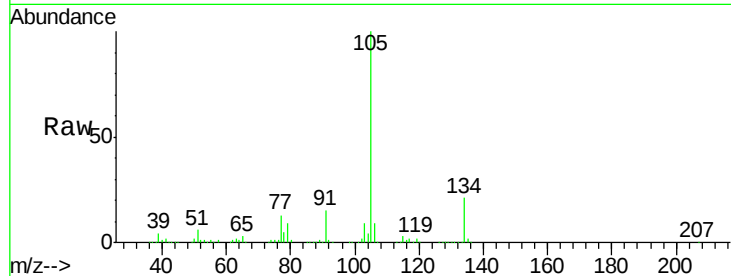
Ion Ratio Lower Upper

105 100

134 20.9 10.4 31.1

Manual Integrations
APPROVED

MMDadoda
2/7/2020 12:05:28 PM



#86

p-Isopropyltoluene

Concen: 54.365 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

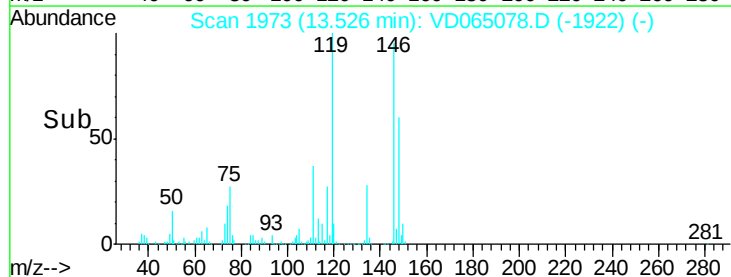
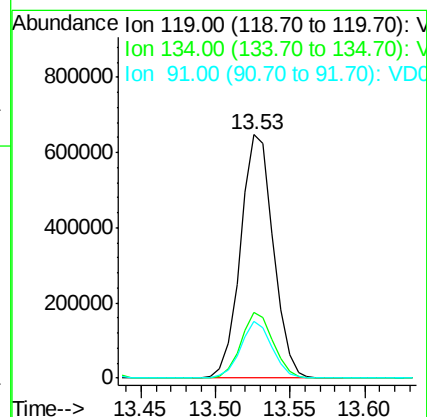
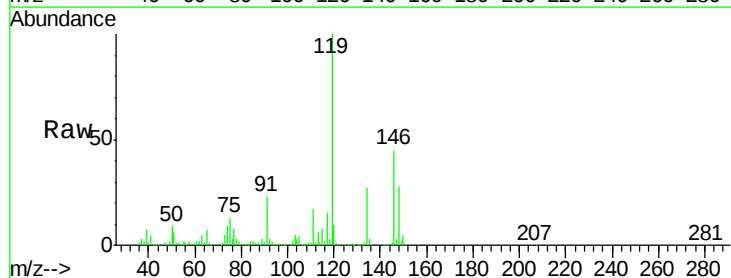
Tgt Ion:119 Resp: 982575

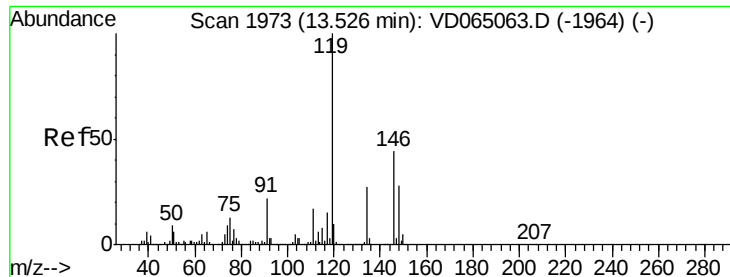
Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.5

91 22.3 11.3 33.9





#87

1,3-Dichlorobenzene

Concen: 52.078 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Instrument :

MSVOA_D

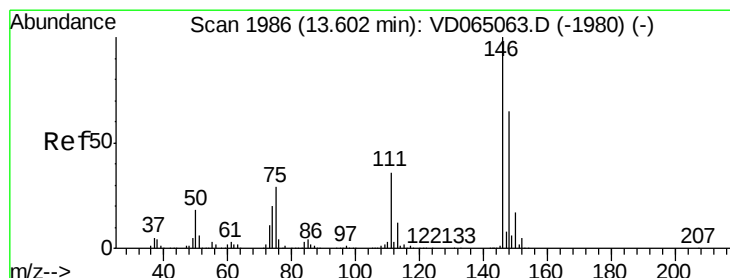
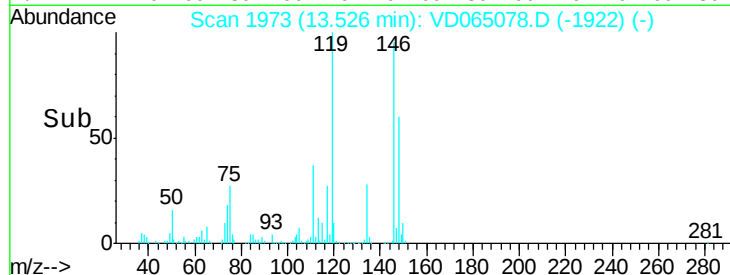
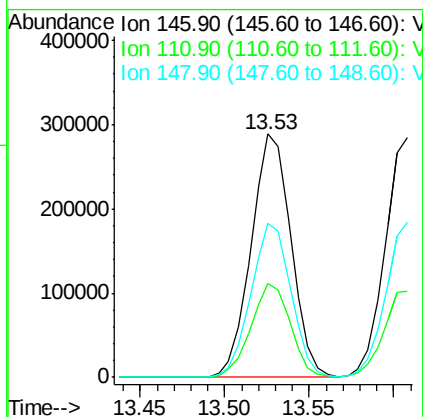
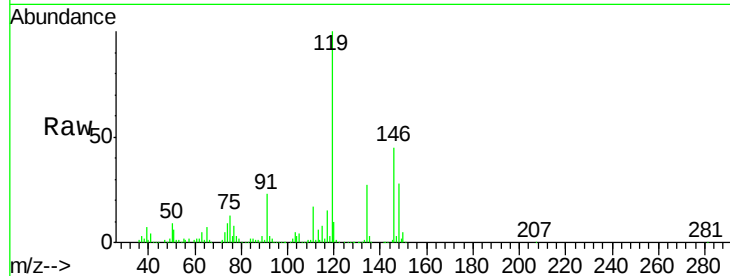
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	474054
Ion Ratio	Lower	Upper	
146	100		
111	38.2	19.4	58.4
148	63.3	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
2/7/2020 12:05:28 PM



#88

1,4-Dichlorobenzene

Concen: 51.350 ug/l

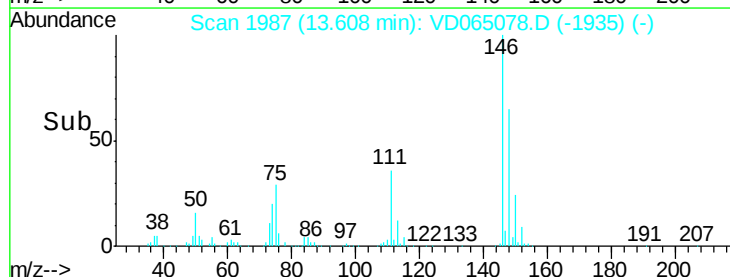
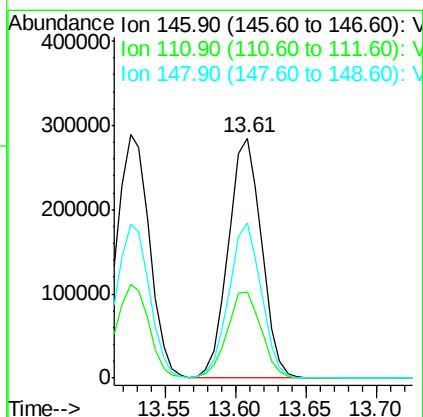
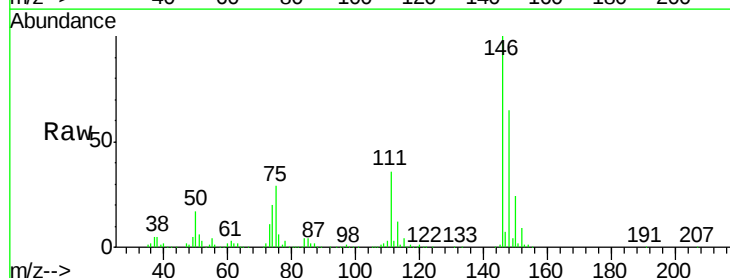
RT: 13.61 min Scan# 1987

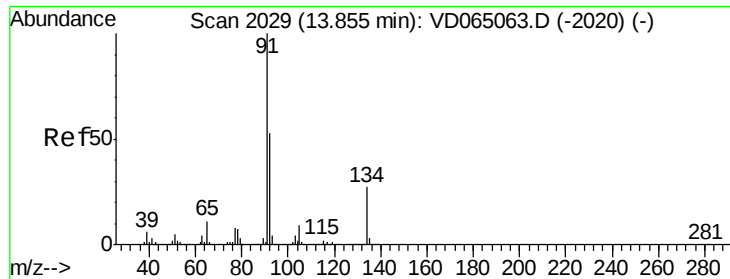
Delta R.T. 0.01 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Tgt Ion:	146	Resp:	465228
Ion Ratio	Lower	Upper	
146	100		
111	37.4	18.5	55.5
148	63.5	32.7	98.1





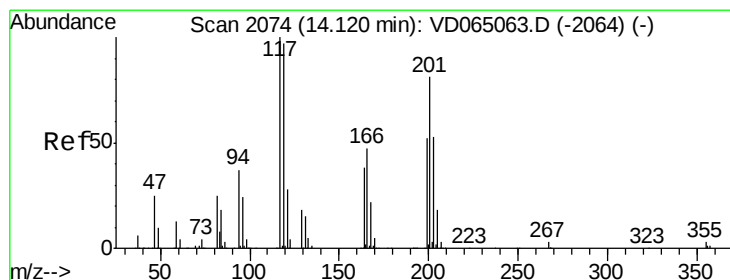
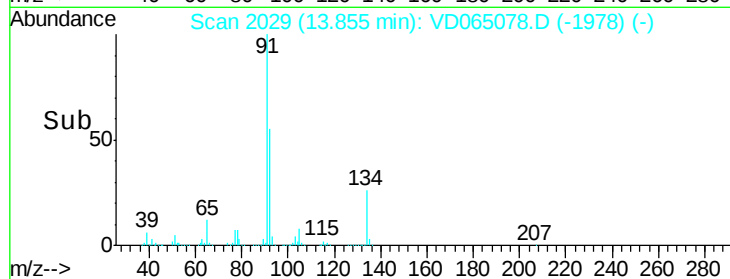
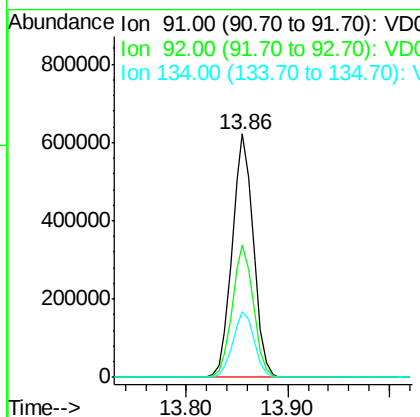
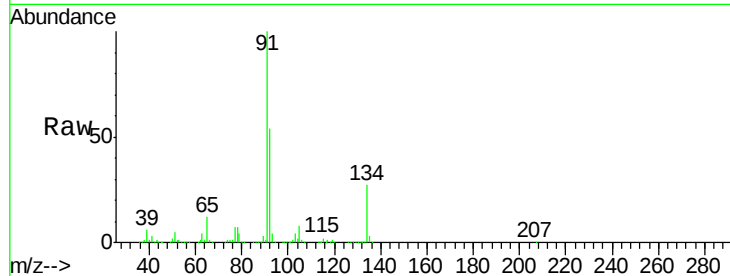
#89
n-Butylbenzene
Concen: 53.904 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.7	80.1
134	27.1	13.4	40.2

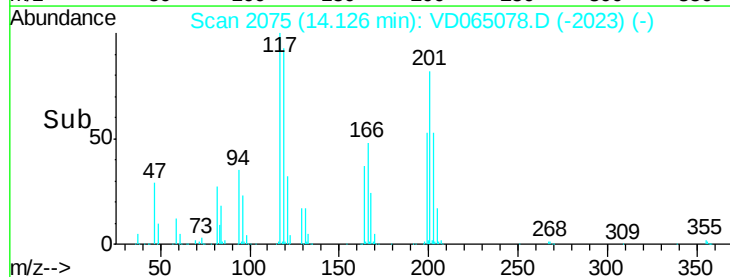
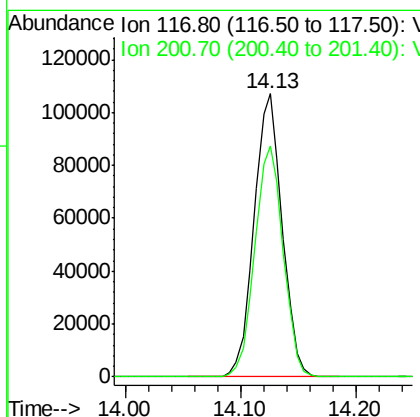
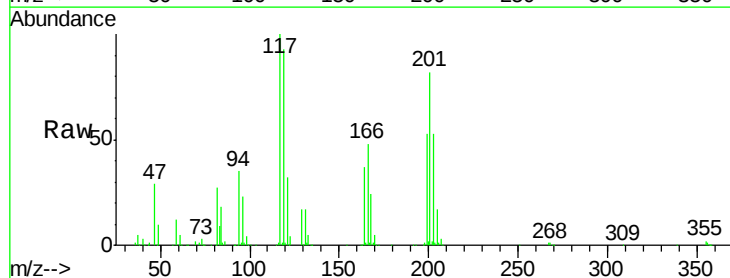
Manual Integrations
APPROVED

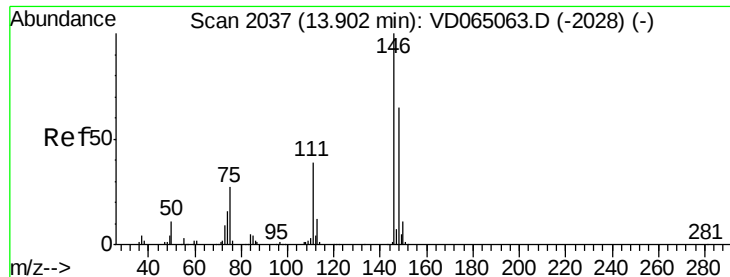
MMDadoda
2/7/2020 12:05:28 PM



#90
Hexachloroethane
Concen: 53.065 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD065078.D
Acq: 06 Feb 2020 10:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.5	42.5	127.6





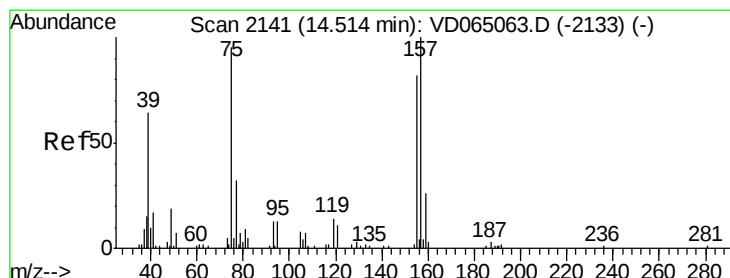
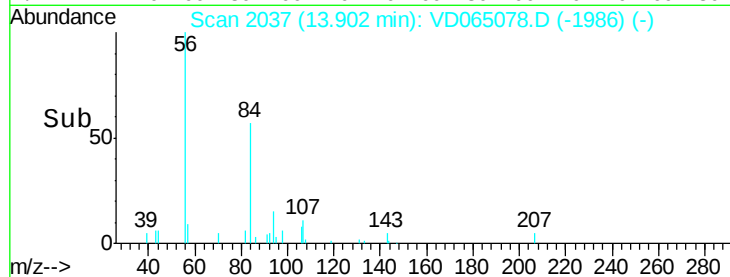
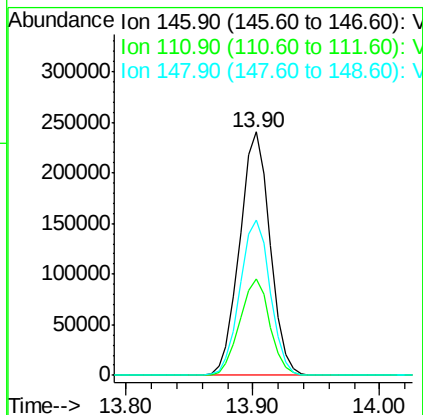
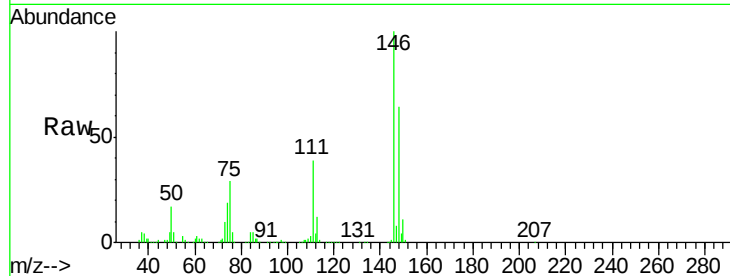
#91
 1,2-Dichlorobenzene
 Concen: 51.080 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065078.D
 Acq: 06 Feb 2020 10:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.7	59.1
148	63.8	31.9	95.5

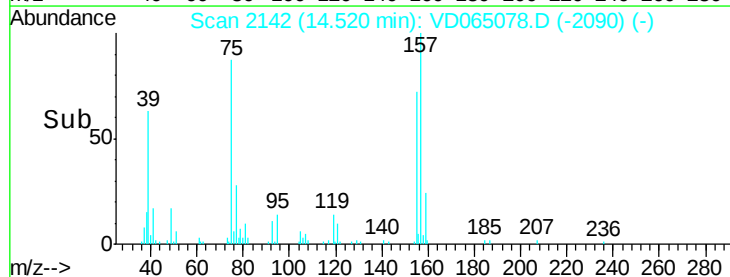
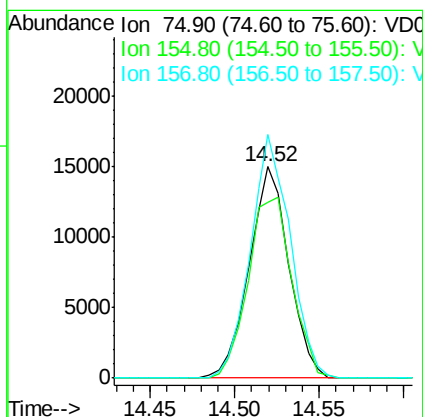
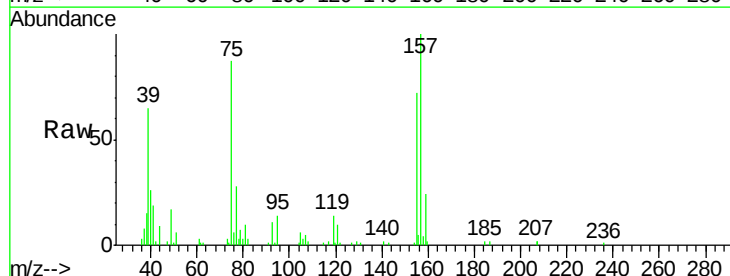
Manual Integrations
 APPROVED

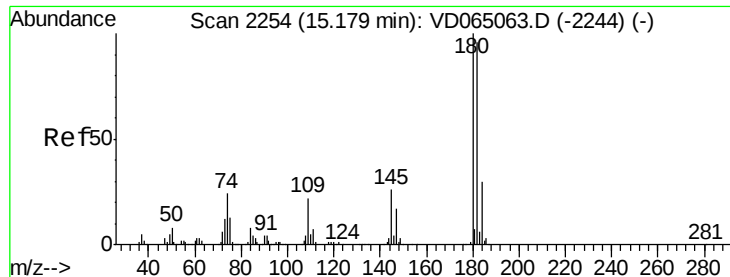
MMDadoda
 2/7/2020 12:05:28 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.955 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD065078.D
 Acq: 06 Feb 2020 10:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.7	43.4	130.1
157	115.7	55.8	167.3





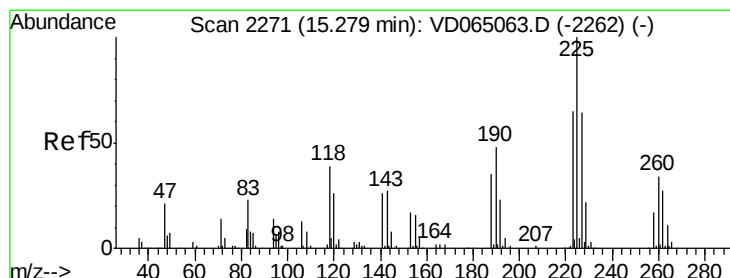
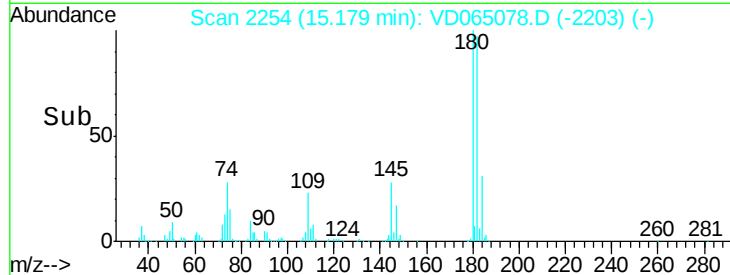
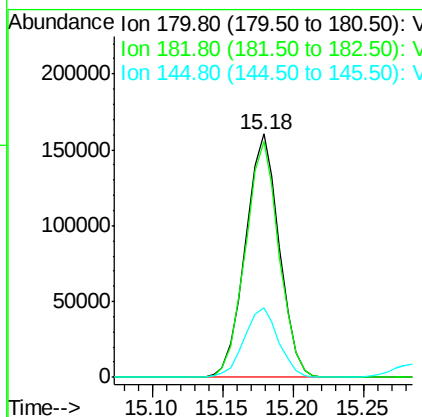
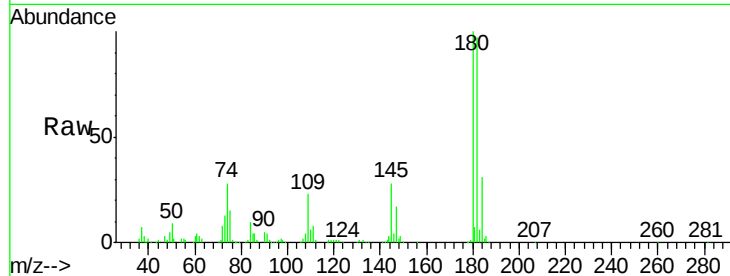
#93
 1,2,4-Trichlorobenzene
 Concen: 48.382 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VD065078.D
 Acq: 06 Feb 2020 10:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	269618
Ion Ratio	Lower	Upper	
180	100		
182	96.1	47.4	142.3
145	29.1	14.1	42.4

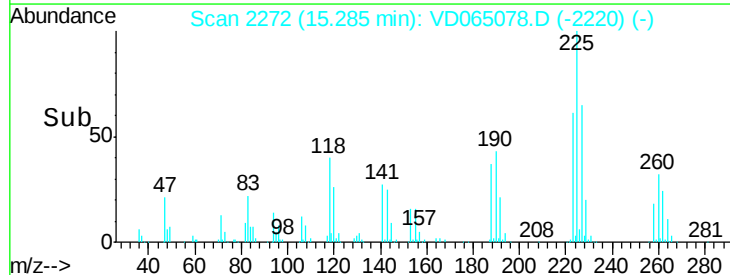
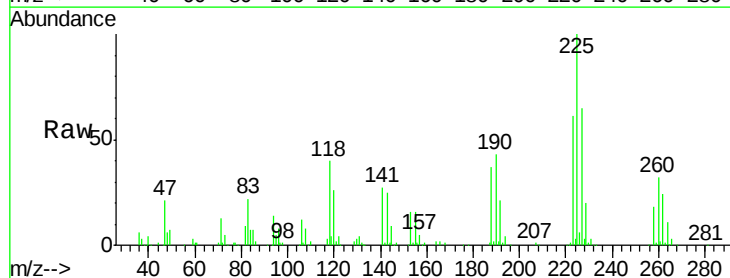
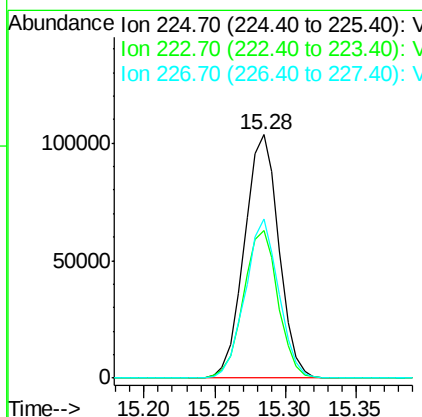
Manual Integrations
 APPROVED

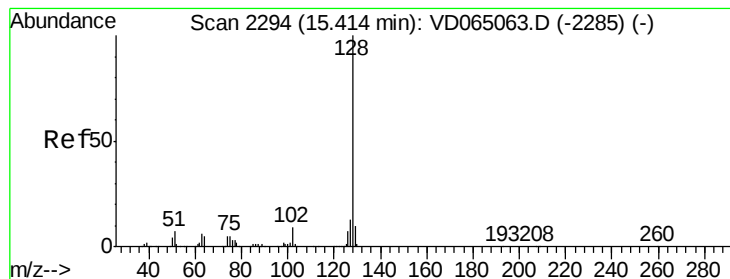
MMDadoda
 2/7/2020 12:05:28 PM



#94
 Hexachlorobutadiene
 Concen: 51.695 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD065078.D
 Acq: 06 Feb 2020 10:53

Tgt Ion:	225	Resp:	177135
Ion Ratio	Lower	Upper	
225	100		
223	60.8	31.4	94.0
227	63.6	31.8	95.3





#95

Naphthalene

Concen: 47.205 ug/l

RT: 15.42 min Scan# 2295

Delta R.T. 0.01 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Instrument :

MSVOA_D

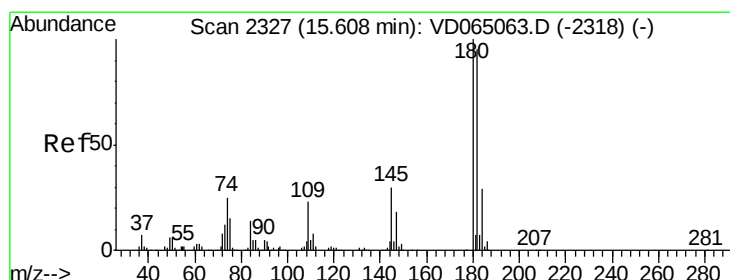
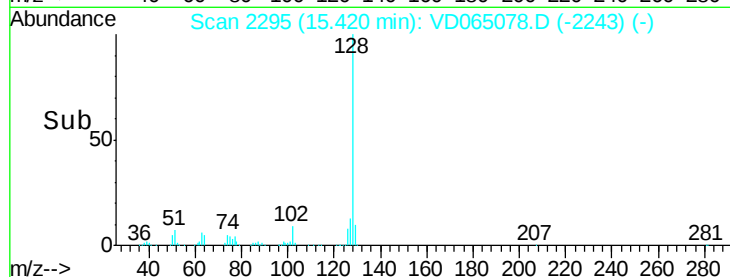
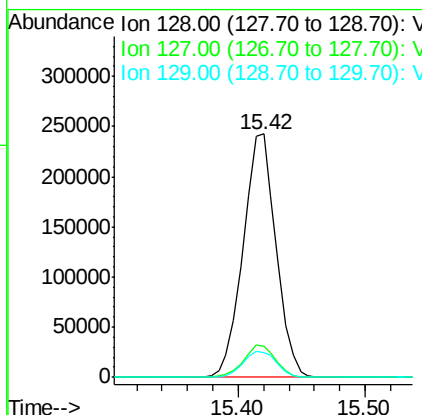
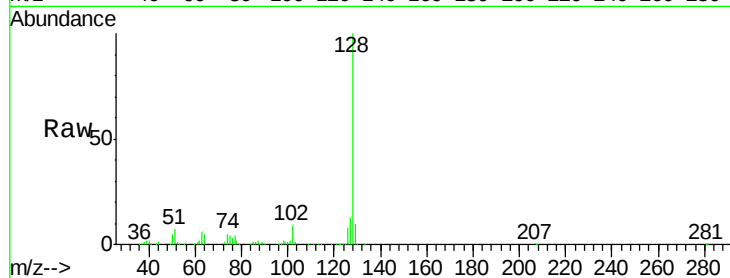
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	437230
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.6	15.8
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/7/2020 12:05:28 PM



#96

1,2,3-Trichlorobenzene

Concen: 49.538 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VD065078.D

Acq: 06 Feb 2020 10:53

Tgt Ion:	180	Resp:	236132
Ion Ratio	Lower	Upper	
180	100		
182	93.8	47.1	141.4
145	29.3	14.9	44.9

