

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022020\
 Data File : VD065265.D
 Acq On : 20 Feb 2020 19:49
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/21/2020 3:22:58 PM

Quant Time: Feb 21 06:00:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	496081	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	746024	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	685882	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	335125	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	229449	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
35) Dibromofluoromethane	7.92	113	235643	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
50) Toluene-d8	10.34	98	922506	53.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.10%	
62) 4-Bromofluorobenzene	12.64	95	292994	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	205922	49.491	ug/l	99
3) Chloromethane	2.21	50	256492	48.431	ug/l	99
4) Vinyl Chloride	2.36	62	253194	47.016	ug/l	99
5) Bromomethane	2.77	94	145730	44.756	ug/l	98
6) Chloroethane	2.93	64	155407	47.276	ug/l	100
7) Trichlorofluoromethane	3.27	101	357981	46.430	ug/l	99
8) Diethyl Ether	3.71	74	119343	51.279	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	228054	46.839	ug/l	99
10) Methyl Iodide	4.30	142	262691	51.963	ug/l	99
11) Tert butyl alcohol	5.26	59	63154	236.816	ug/l	97
12) 1,1-Dichloroethene	4.06	96	217298	47.245	ug/l	97
13) Acrolein	3.93	56	92018	285.892	ug/l	98
14) Allyl chloride	4.71	41	376066	50.350	ug/l	98
15) Acrylonitrile	5.43	53	265147	257.330	ug/l	99
16) Acetone	4.17	43	217071	198.979	ug/l	98
17) Carbon Disulfide	4.40	76	730326	47.362	ug/l	99
18) Methyl Acetate	4.73	43	122400	49.886	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	492188	51.316	ug/l	99
20) Methylene Chloride	4.96	84	256166	53.025	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	257334	49.216	ug/l	99
22) Diisopropyl ether	6.37	45	749823	52.076	ug/l	98
23) Vinyl Acetate	6.31	43	2110092	265.825	ug/l	100
24) 1,1-Dichloroethane	6.27	63	438346	49.082	ug/l	98
25) 2-Butanone	7.22	43	319785	231.685	ug/l	97
26) 2,2-Dichloropropane	7.21	77	355818	45.919	ug/l	99
27) cis-1,2-Dichloroethene	7.22	96	278278	50.244	ug/l	98
28) Bromochloromethane	7.55	49	179951	54.311	ug/l	98
29) Tetrahydrofuran	7.57	42	211523	261.551	ug/l	100
30) Chloroform	7.72	83	433050	48.129	ug/l	100
31) Cyclohexane	7.98	56	404430	46.089	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	381395	47.376	ug/l	99
36) 1,1-Dichloropropene	8.12	75	345081	47.539	ug/l	99
37) Ethyl Acetate	7.30	43	148283	48.865	ug/l	99
38) Carbon Tetrachloride	8.10	117	346028	46.828	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022020\
 Data File : VD065265.D
 Acq On : 20 Feb 2020 19:49
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/21/2020 3:22:58 PM

Quant Time: Feb 21 06:00:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	420961	49.329	ug/l	99
40) Benzene	8.36	78	1011855	49.386	ug/l	100
41) Methacrylonitrile	7.53	41	81799	46.686	ug/l	98
42) 1,2-Dichloroethane	8.43	62	274567	48.746	ug/l	99
43) Isopropyl Acetate	8.46	43	279220	50.600	ug/l	100
44) Trichloroethene	9.11	130	272252	47.937	ug/l	99
45) 1,2-Dichloropropane	9.39	63	255332	50.117	ug/l	99
46) Dibromomethane	9.48	93	131838	50.294	ug/l	99
47) Bromodichloromethane	9.67	83	337522	48.859	ug/l	96
48) Methyl methacrylate	9.46	41	134553	52.752	ug/l	97
49) 1,4-Dioxane	9.47	88	31397	1021.232	ug/l	97
51) 4-Methyl-2-Pentanone	10.24	43	714452	254.909	ug/l	99
52) Toluene	10.41	92	637421	50.261	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	327151	51.092	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	392685	50.786	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	182730	49.527	ug/l	96
56) Ethyl methacrylate	10.67	69	230821	54.202	ug/l	98
57) 1,3-Dichloropropane	10.95	76	318574	50.732	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	313911	233.809	ug/l	100
59) 2-Hexanone	10.99	43	491855	245.151	ug/l	98
60) Dibromochloromethane	11.15	129	234760	49.713	ug/l	100
61) 1,2-Dibromoethane	11.25	107	173809	49.755	ug/l	100
64) Tetrachloroethene	10.88	164	235481	48.408	ug/l	98
65) Chlorobenzene	11.67	112	663512	48.207	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	248076	48.298	ug/l	99
67) Ethyl Benzene	11.75	91	1192995	49.489	ug/l	100
68) m/p-Xylenes	11.86	106	915330	99.247	ug/l	99
69) o-Xylene	12.18	106	419755	51.372	ug/l	98
70) Styrene	12.20	104	742503	51.182	ug/l	100
71) Bromoform	12.37	173	134984	47.360	ug/l #	99
73) Isopropylbenzene	12.48	105	1119602	50.462	ug/l	100
74) N-amyl acetate	12.30	43	252852	51.288	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	193545	48.335	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	130203m	45.664	ug/l	
77) Bromobenzene	12.77	156	274216	49.773	ug/l	100
78) n-propylbenzene	12.83	91	1339522	50.240	ug/l	100
79) 2-Chlorotoluene	12.91	91	735289	49.228	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	924173	50.574	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	61684	46.710	ug/l	96
82) 4-Chlorotoluene	13.01	91	777930	49.059	ug/l	99
83) tert-Butylbenzene	13.23	119	771926	50.401	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	919548	50.275	ug/l	99
85) sec-Butylbenzene	13.41	105	1085758	49.198	ug/l	100
86) p-Isopropyltoluene	13.53	119	1009513	50.020	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	518049	48.639	ug/l	100
88) 1,4-Dichlorobenzene	13.61	146	506216	48.157	ug/l	99
89) n-Butylbenzene	13.86	91	928331	49.917	ug/l	100
90) Hexachloroethane	14.12	117	195266	47.650	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	443970	48.547	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	29596	47.962	ug/l	97

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD022020\
Data File : VD065265.D
Acq On : 20 Feb 2020 19:49
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
2/21/2020 3:22:58 PM

Quant Time: Feb 21 06:00:37 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:26:54 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	310691	51.938	ug/l	99
94) Hexachlorobutadiene	15.28	225	180582	47.059	ug/l	99
95) Naphthalene	15.41	128	523747	53.857	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	265759	50.868	ug/l	98

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

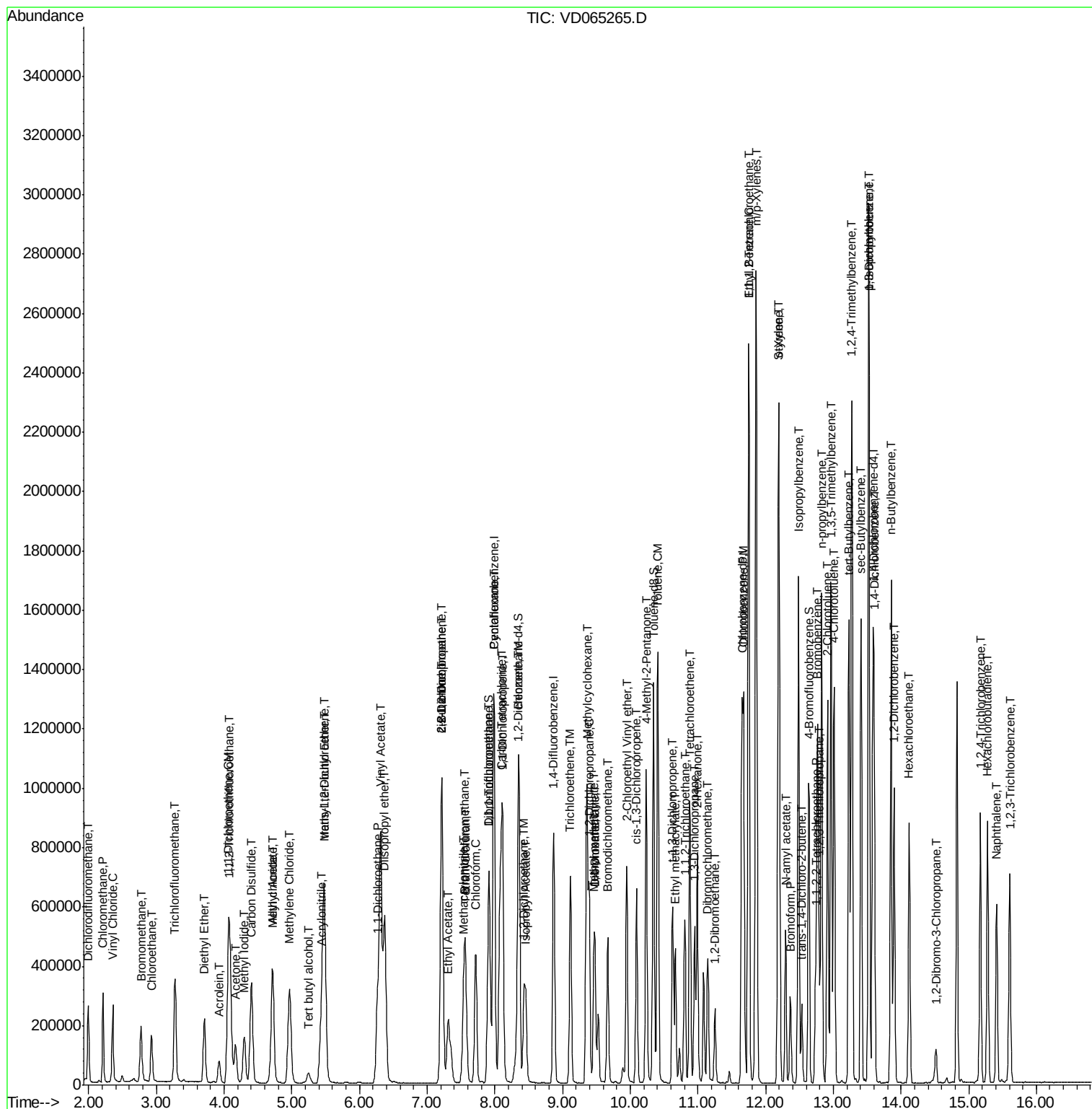
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD022020\
Data File : VD065265.D
Acq On : 20 Feb 2020 19:49
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 20 Sample Multiplier: 1

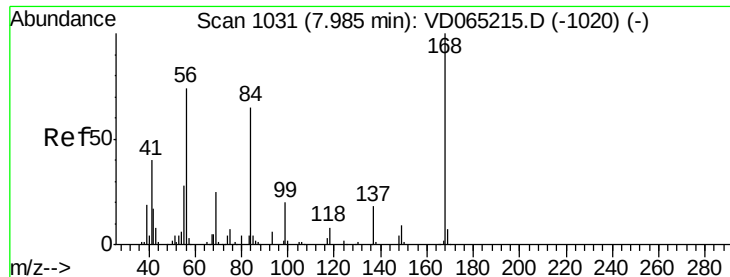
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
2/21/2020 3:22:58 PM

Quant Time: Feb 21 06:00:37 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:26:54 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065265.D

Acq: 20 Feb 2020 19:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 496081

Ion Ratio Lower Upper

168 100

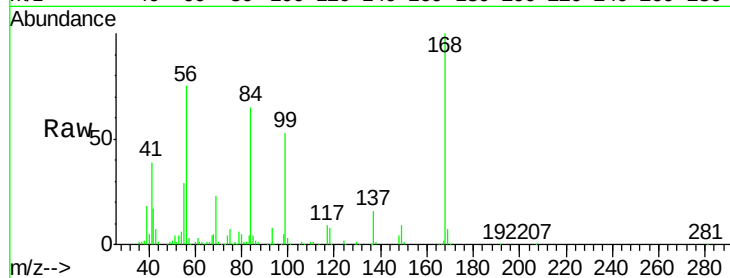
99 52.4 41.4 62.2

Manual Integrations

APPROVED

MMDadoda

2/21/2020 3:22:58 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

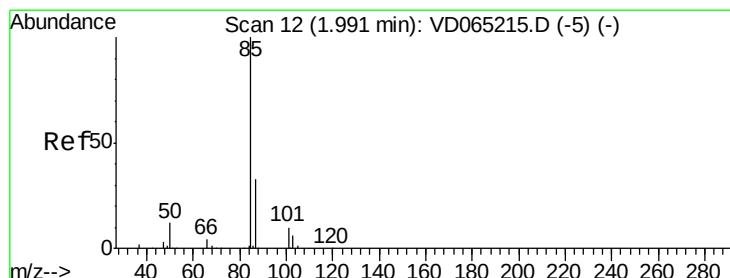
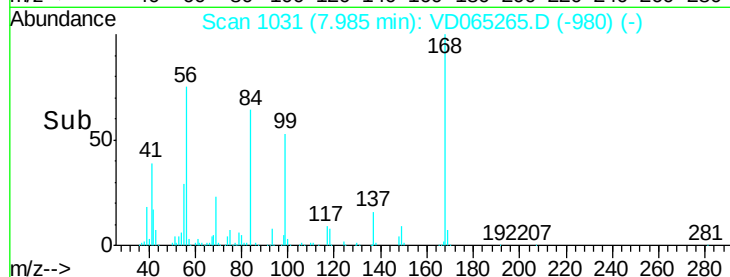
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.491 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065265.D

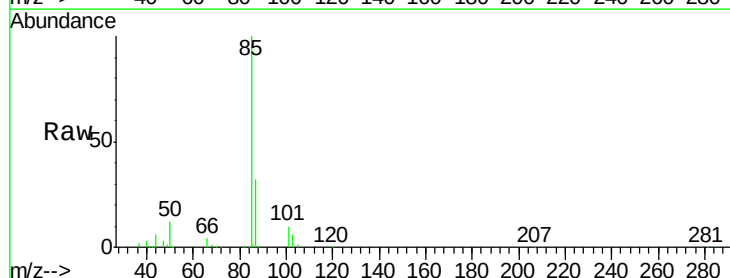
Acq: 20 Feb 2020 19:49

Tgt Ion: 85 Resp: 205922

Ion Ratio Lower Upper

85 100

87 32.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

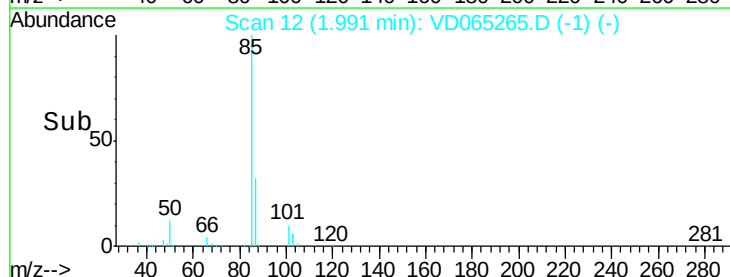
150000

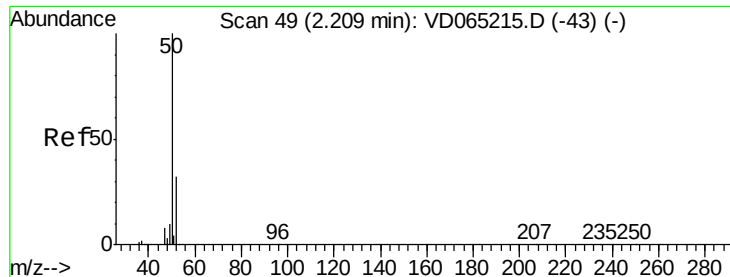
100000

50000

0

Time-->





#3

Chloromethane

Concen: 48.431 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065265.D

Acq: 20 Feb 2020 19:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 256492

Ion Ratio Lower Upper

50 100

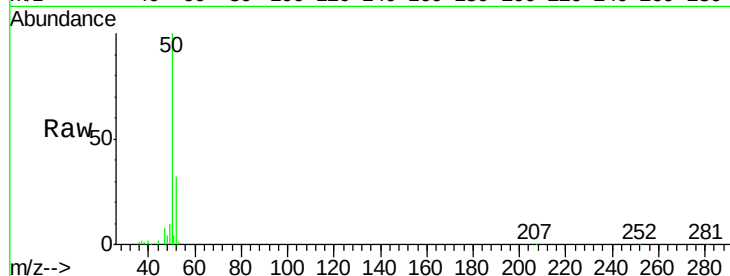
52 32.4 25.5 38.3

Manual Integrations

APPROVED

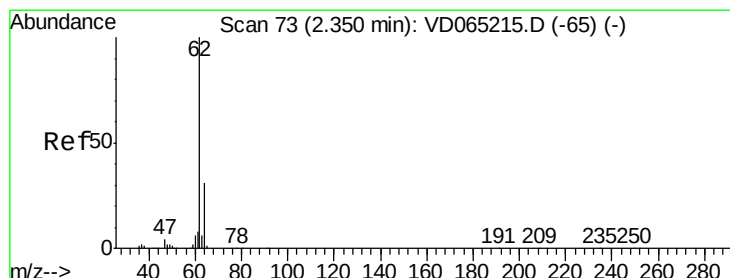
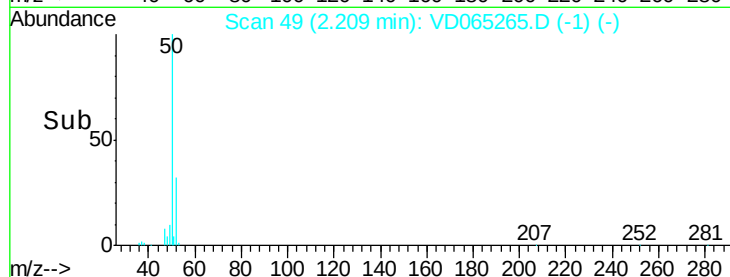
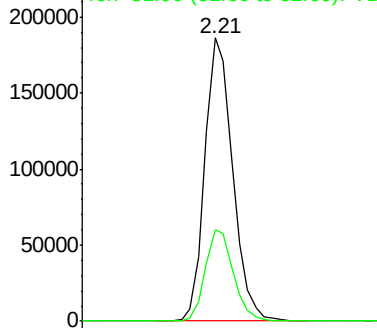
MMDadoda

2/21/2020 3:22:58 PM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 47.016 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD065265.D

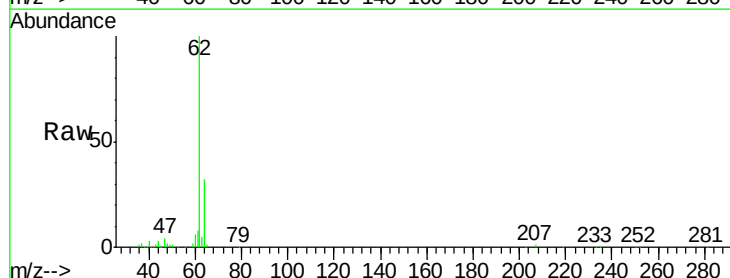
Acq: 20 Feb 2020 19:49

Tgt Ion: 62 Resp: 253194

Ion Ratio Lower Upper

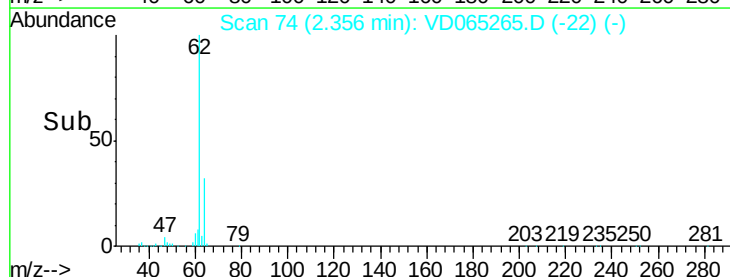
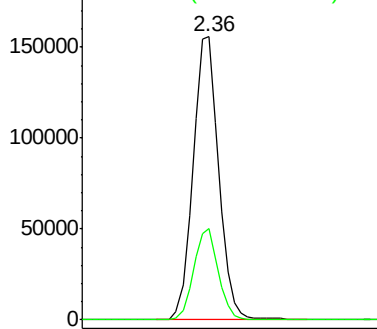
62 100

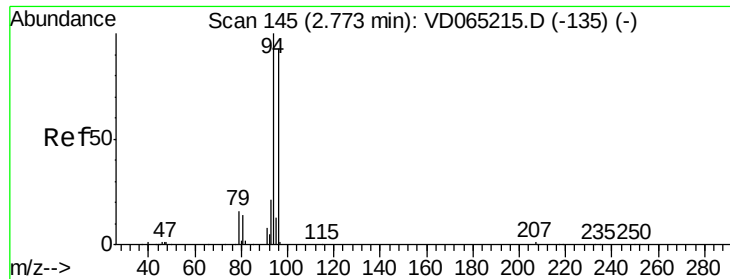
64 32.1 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 44.756 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065265.D

Acq: 20 Feb 2020 19:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 145730

Ion Ratio Lower Upper

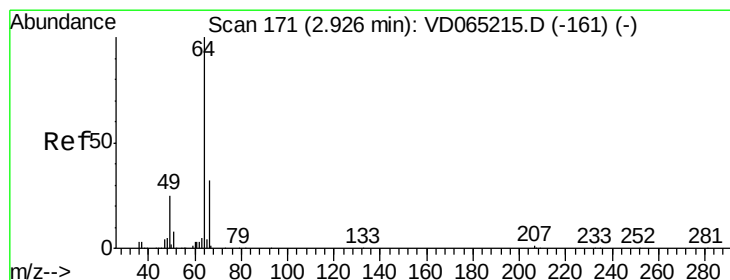
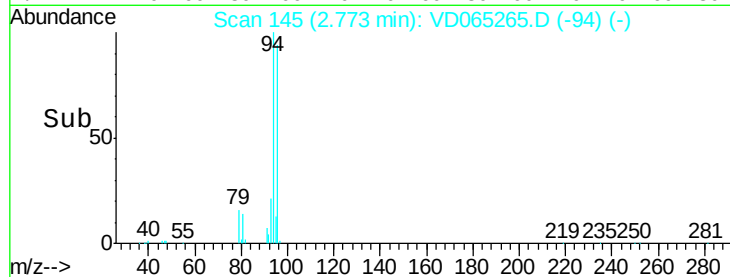
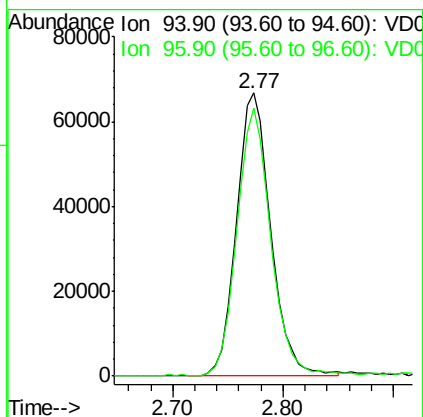
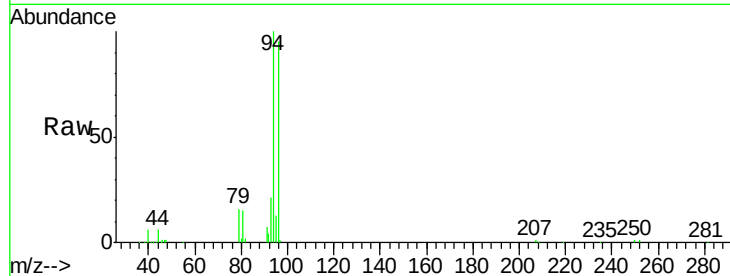
94 100

96 94.6 74.2 111.4

Manual Integrations
APPROVED

MMDadoda

2/21/2020 3:22:58 PM



#6

Chloroethane

Concen: 47.276 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065265.D

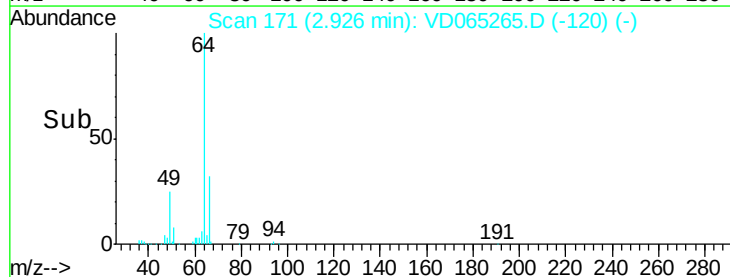
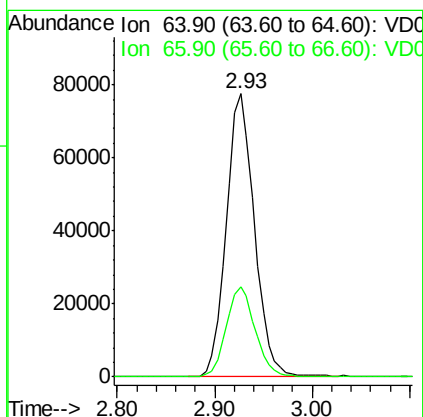
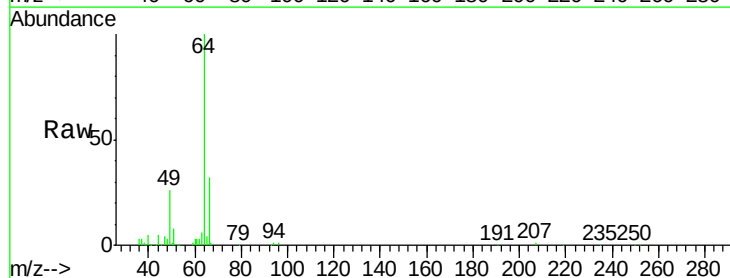
Acq: 20 Feb 2020 19:49

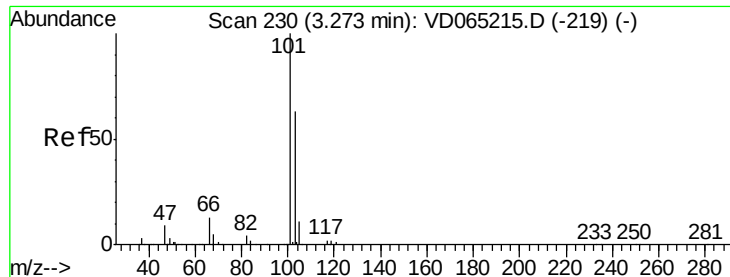
Tgt Ion: 64 Resp: 155407

Ion Ratio Lower Upper

64 100

66 32.0 25.7 38.5





#7

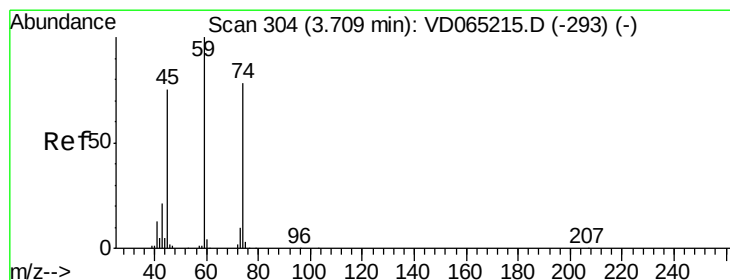
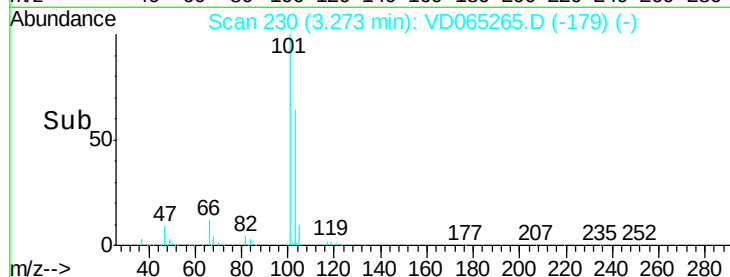
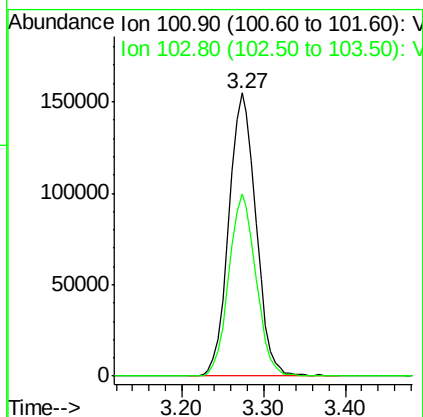
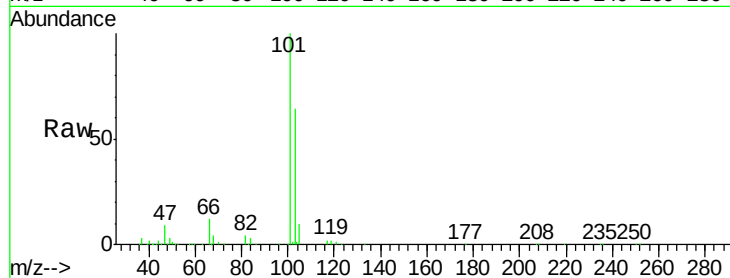
Trichlorofluoromethane
Concen: 46.430 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065265.D
Acq: 20 Feb 2020 19:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	50.7	76.1

Manual Integrations
APPROVED

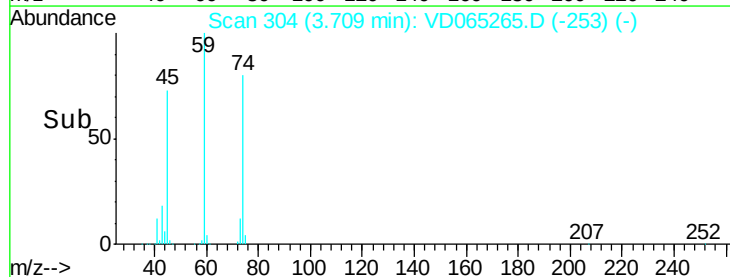
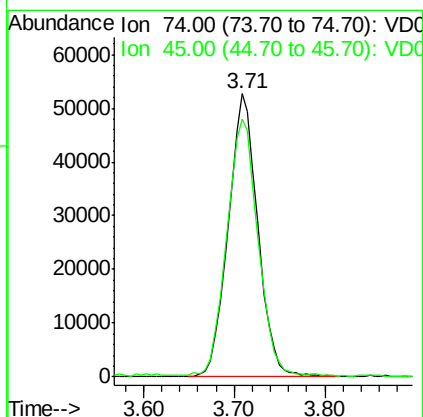
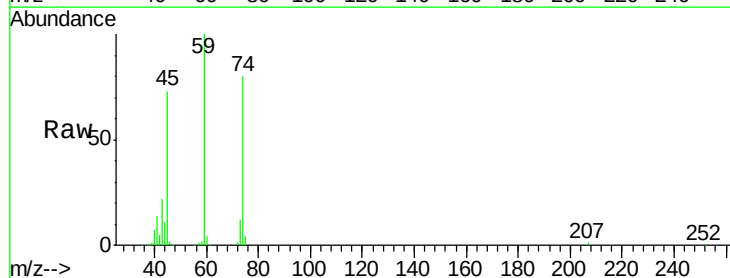
MMDadoda
2/21/2020 3:22:58 PM

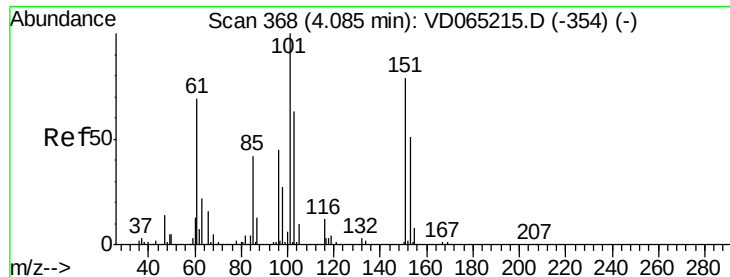


#8

Diethyl Ether
Concen: 51.279 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065265.D
Acq: 20 Feb 2020 19:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.1	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.839 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065265.D

Acq: 20 Feb 2020 19:49

Instrument :

MSVOA_D

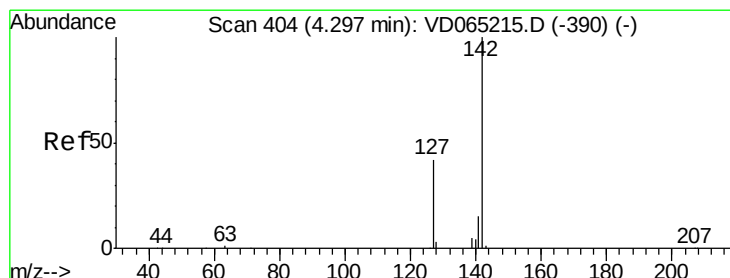
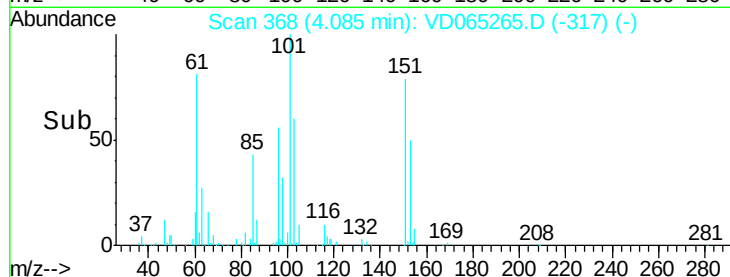
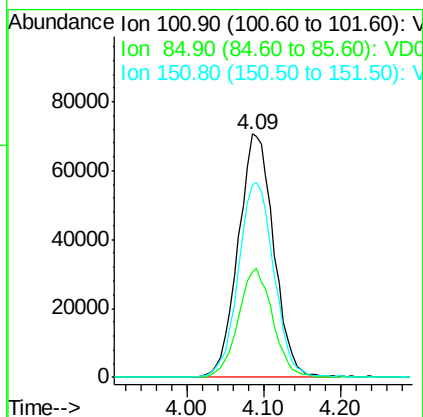
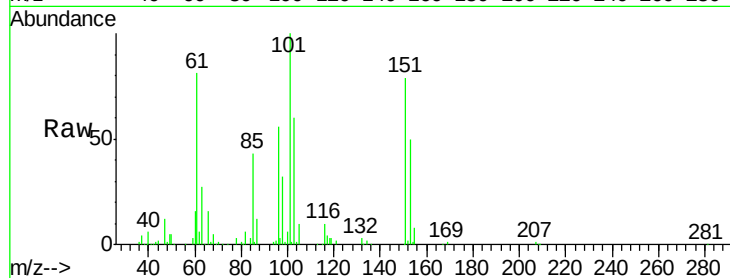
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	228054
Ion Ratio	Lower	Upper	
101	100		
85	43.3	34.2	51.2
151	80.4	63.5	95.3

Manual Integrations
APPROVED

MMDadoda
2/21/2020 3:22:58 PM



#10

Methyl Iodide

Concen: 51.963 ug/l

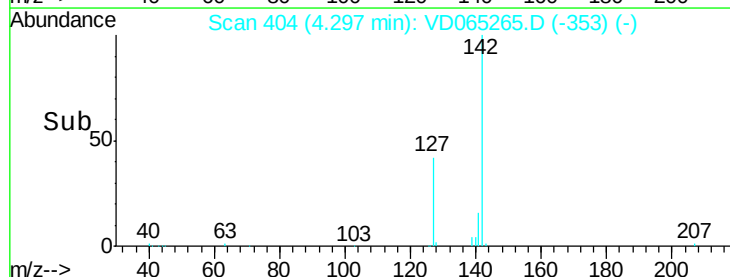
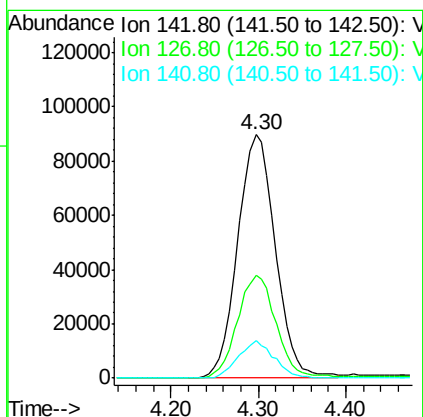
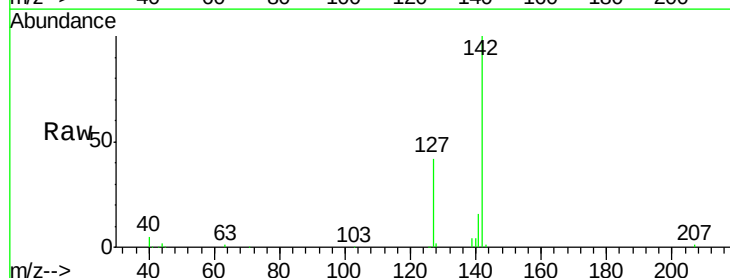
RT: 4.30 min Scan# 404

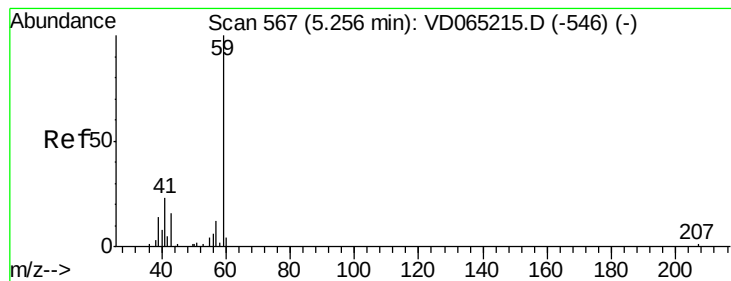
Delta R.T. 0.00 min

Lab File: VD065265.D

Acq: 20 Feb 2020 19:49

Tgt Ion:	142	Resp:	262691
Ion Ratio	Lower	Upper	
142	100		
127	43.5	33.8	50.8
141	14.7	11.7	17.5





#11

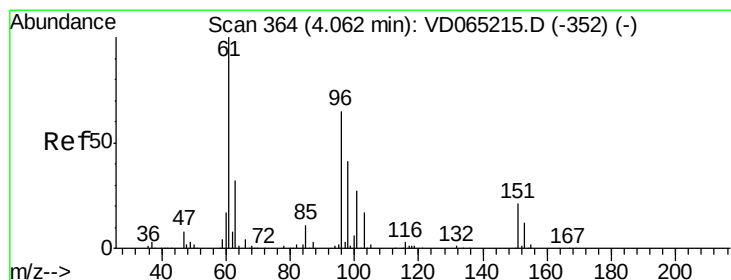
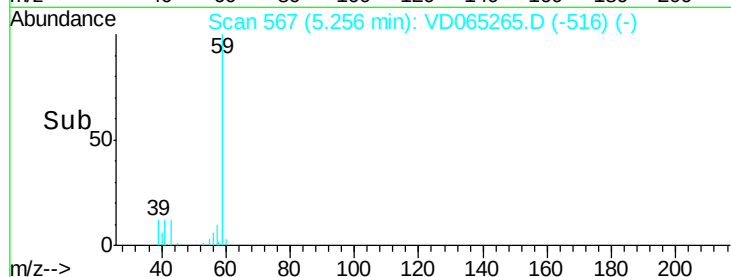
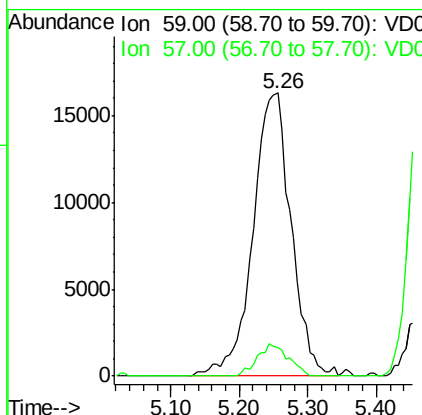
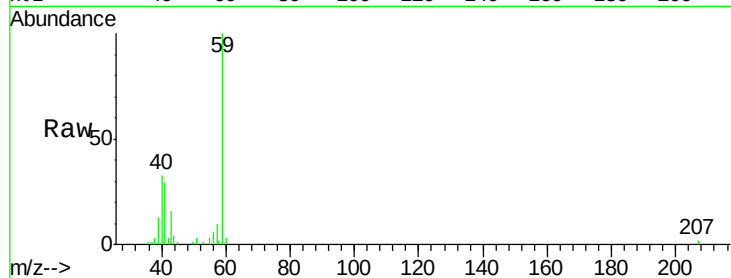
Tert butyl alcohol
Concen: 236.816 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.00 min
Lab File: VD065265.D
Acq: 20 Feb 2020 19:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.3	8.4	12.6

Manual Integrations
APPROVED

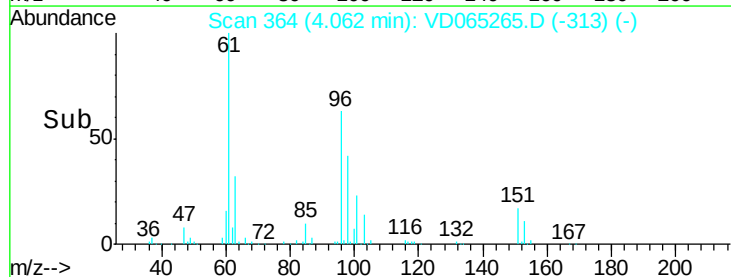
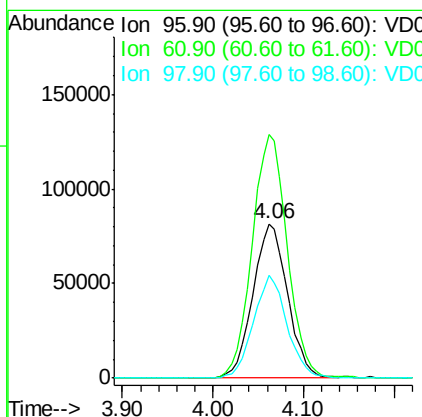
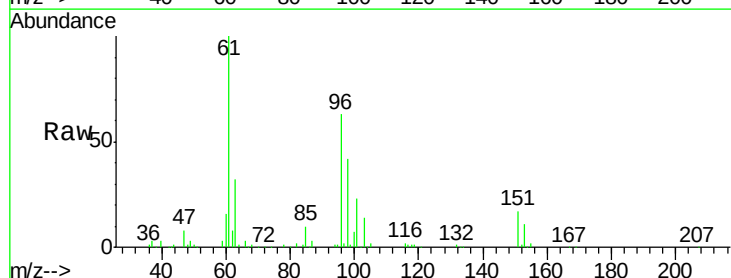
MMDadoda
2/21/2020 3:22:58 PM

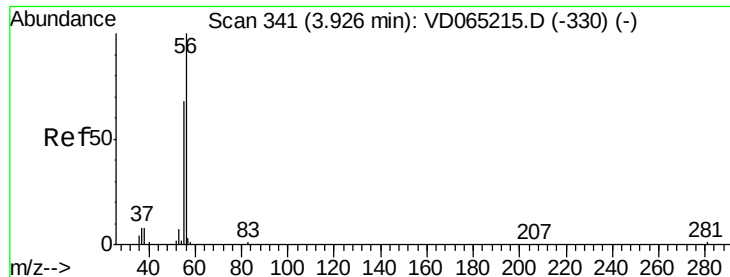


#12

1,1-Dichloroethene
Concen: 47.245 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD065265.D
Acq: 20 Feb 2020 19:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.5	123.3	184.9
98	66.2	51.0	76.4





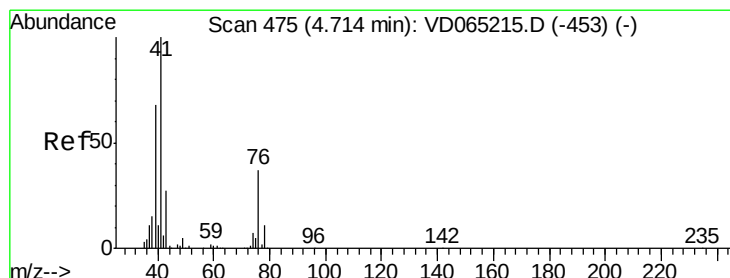
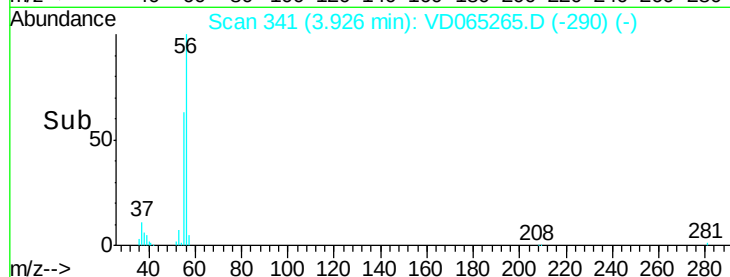
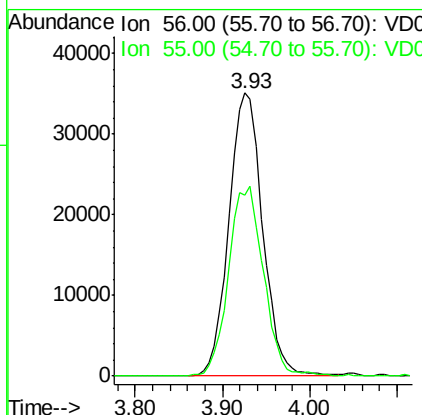
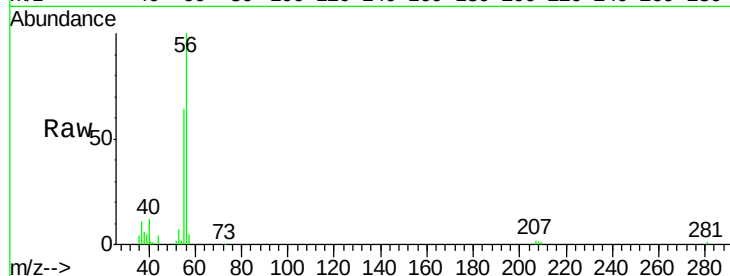
#13
 Acrolein
 Concen: 285.892 ug/l
 RT: 3.93 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VD065265.D
 Acq: 20 Feb 2020 19:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.2	56.6	85.0

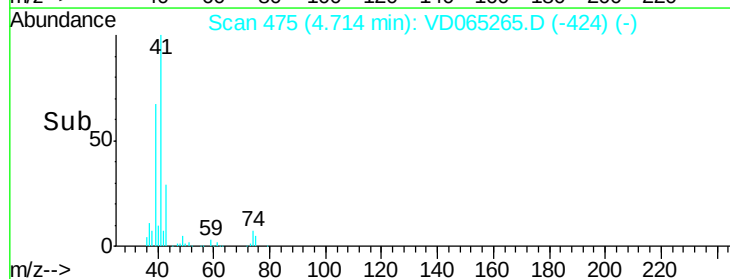
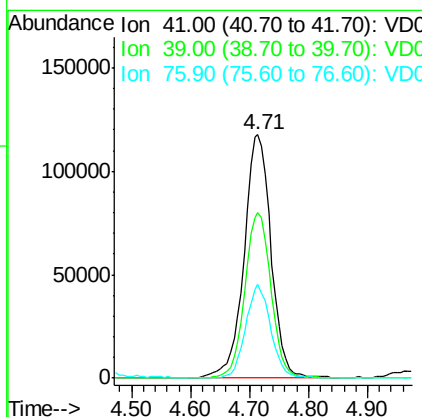
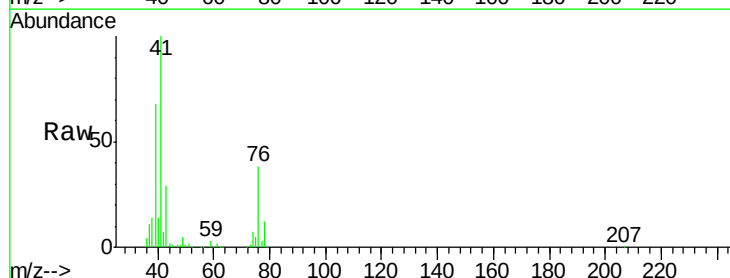
Manual Integrations
 APPROVED

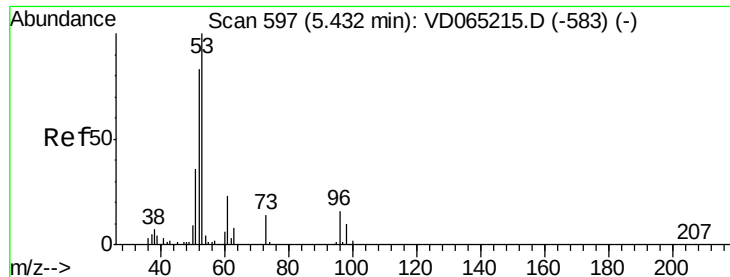
MMDadoda
 2/21/2020 3:22:58 PM



#14
 Allyl chloride
 Concen: 50.350 ug/l
 RT: 4.71 min Scan# 475
 Delta R.T. 0.00 min
 Lab File: VD065265.D
 Acq: 20 Feb 2020 19:49

Tgt Ion	Ratio	Lower	Upper
41	100		
39	65.7	53.8	80.6
76	35.1	28.7	43.1





#15

Acrylonitrile

Concen: 257.330 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065265.D

Acq: 20 Feb 2020 19:49

Instrument :

MSVOA_D

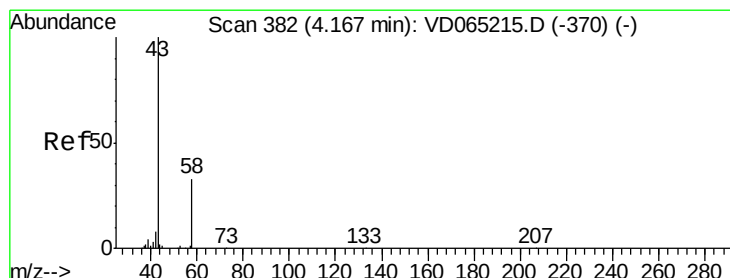
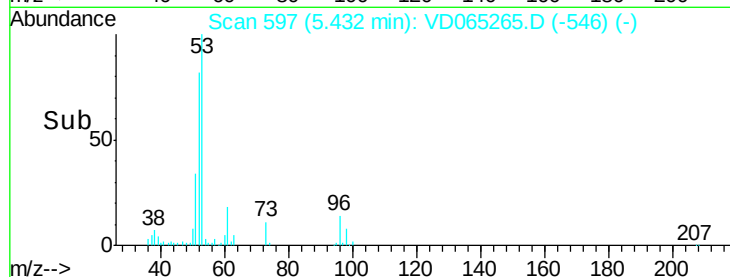
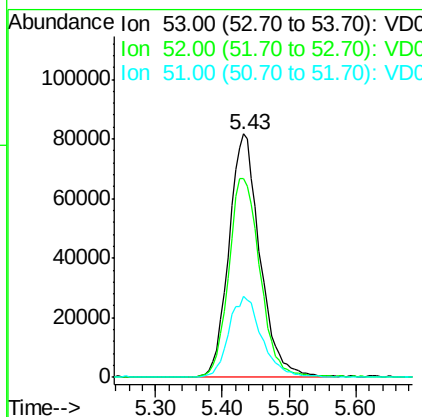
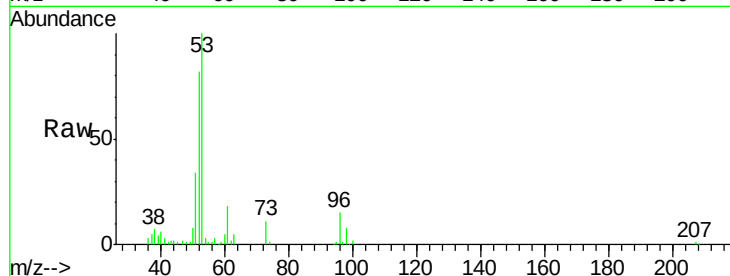
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	265147
Ion Ratio	Lower	Upper	
53	100		
52	82.6	65.4	98.2
51	35.5	29.5	44.3

Manual Integrations
APPROVED

MMDadoda
2/21/2020 3:22:58 PM



#16

Acetone

Concen: 198.979 ug/l

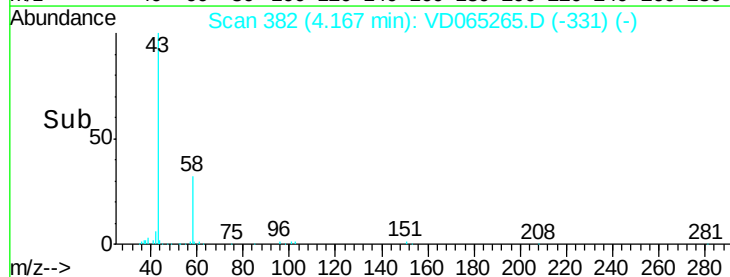
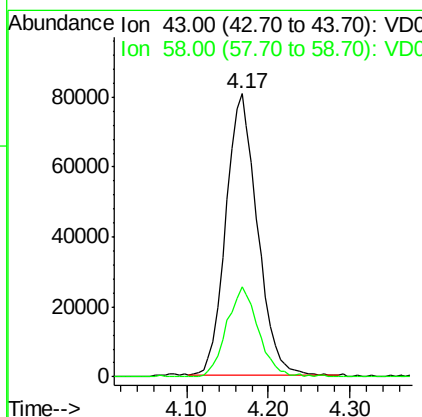
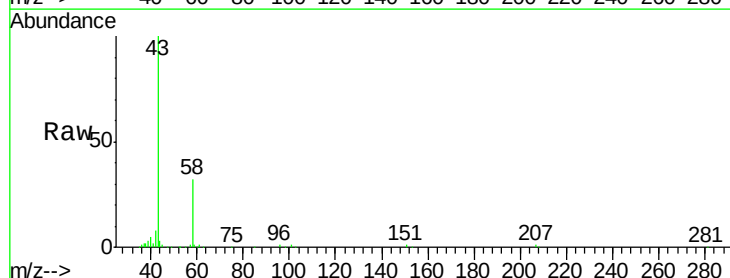
RT: 4.17 min Scan# 382

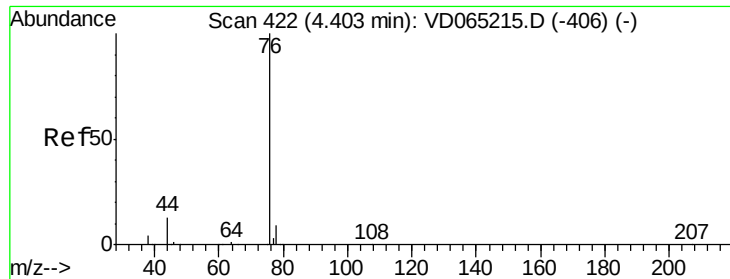
Delta R.T. 0.00 min

Lab File: VD065265.D

Acq: 20 Feb 2020 19:49

Tgt Ion:	43	Resp:	217071
Ion Ratio	Lower	Upper	
43	100		
58	31.6	26.2	39.2





#17

Carbon Disulfide

Concen: 47.362 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065265.D

Acq: 20 Feb 2020 19:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 730326

Ion Ratio Lower Upper

76 100

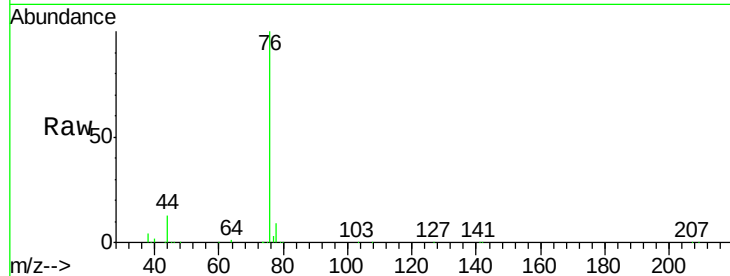
78 9.0 7.0 10.6

Manual Integrations

APPROVED

MMDadoda

2/21/2020 3:22:58 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

300000

250000

200000

150000

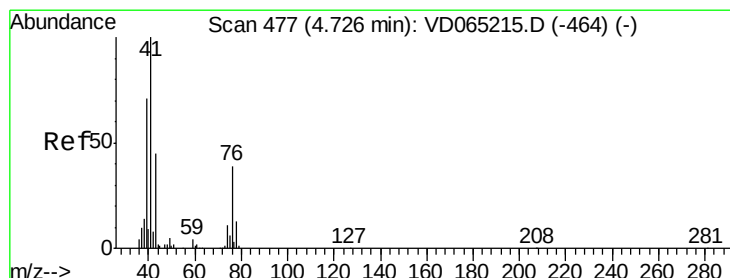
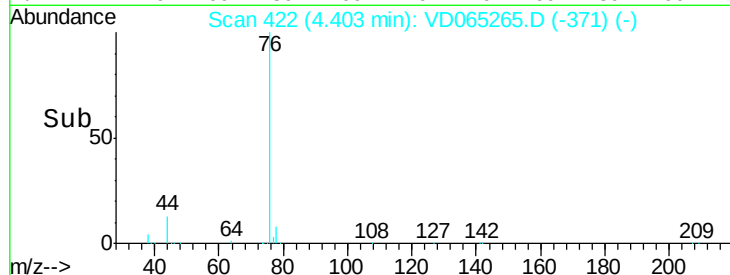
100000

50000

0

4.30 4.40 4.50

Time-->



#18

Methyl Acetate

Concen: 49.886 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD065265.D

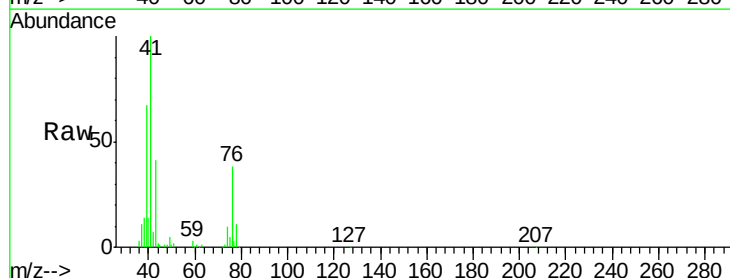
Acq: 20 Feb 2020 19:49

Tgt Ion: 43 Resp: 122400

Ion Ratio Lower Upper

43 100

74 23.6 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

40000

30000

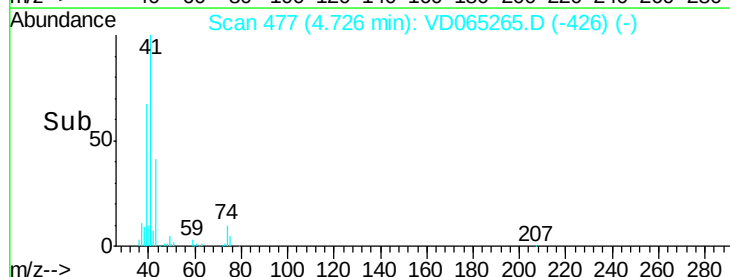
20000

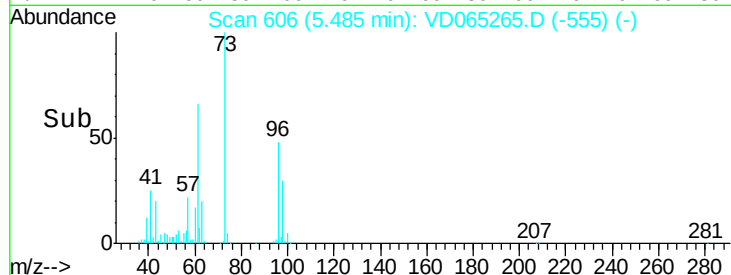
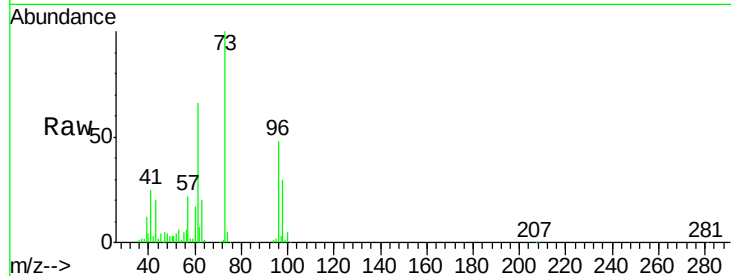
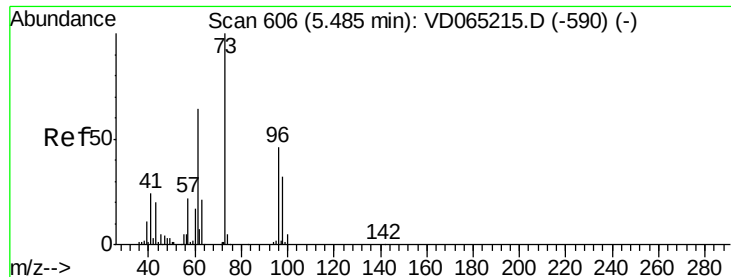
10000

0

4.60 4.70 4.80 4.90

Time-->





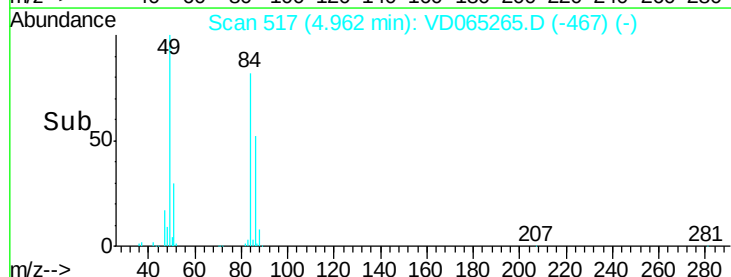
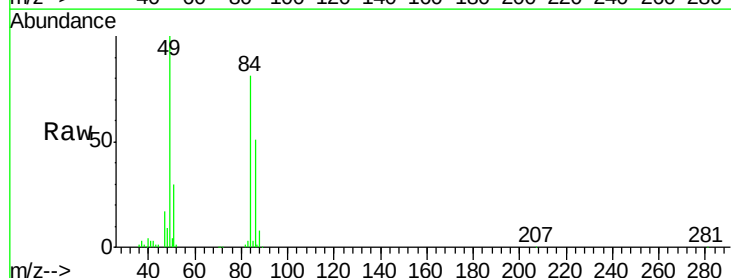
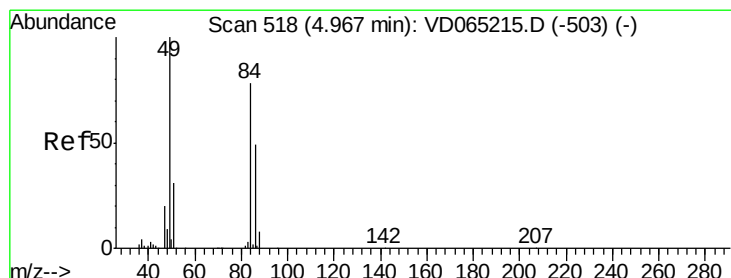
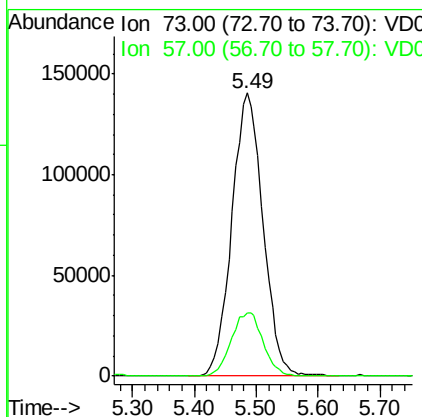
#19
Methyl tert-butyl Ether
Concen: 51.316 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065265.D
Acq: 20 Feb 2020 19:49

Tot Ion	73	Resp	492188
Ion Ratio	100	Lower	Upper
73	100		
57	22.3	17.3	25.9

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

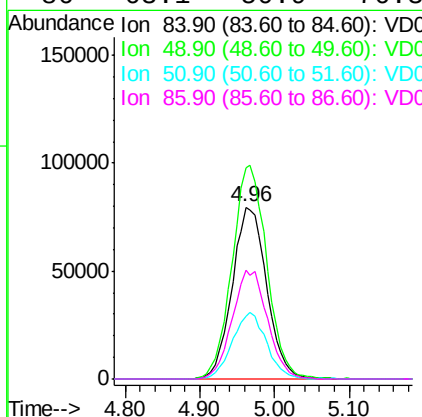
Manual Integrations
APPROVED

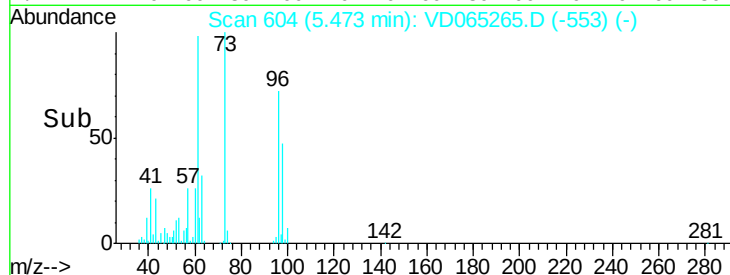
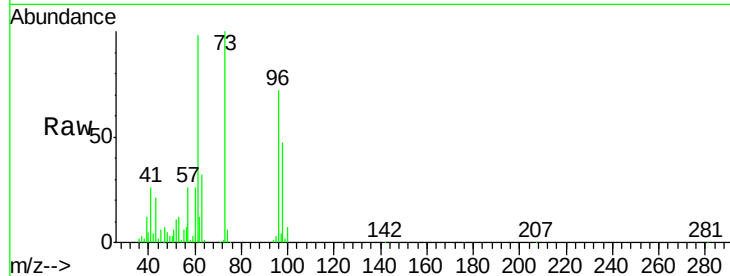
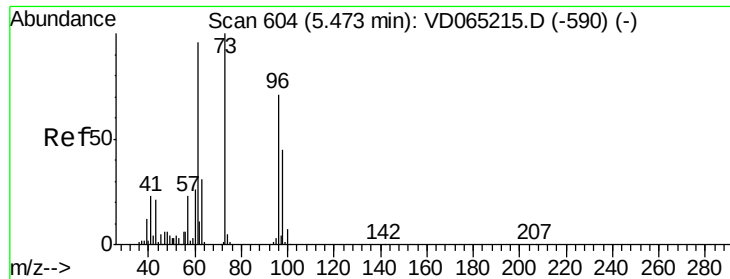
MMDadoda
2/21/2020 3:22:58 PM



#20
Methylene Chloride
Concen: 53.025 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065265.D
Acq: 20 Feb 2020 19:49

Tgt Ion	84	Resp	256166
Ion Ratio	100	Lower	Upper
84	100		
49	122.7	103.1	154.7
51	36.4	31.7	47.5
86	63.1	50.9	76.3





#21

trans-1,2-Dichloroethene

Concen: 49.216 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065265.D

Acq: 20 Feb 2020 19:49

Tot Ion:	96	Resp:	257334
Ion	Ratio	Lower	Upper
96	100		
61	136.1	108.3	162.5
98	64.4	50.7	76.1

Instrument :

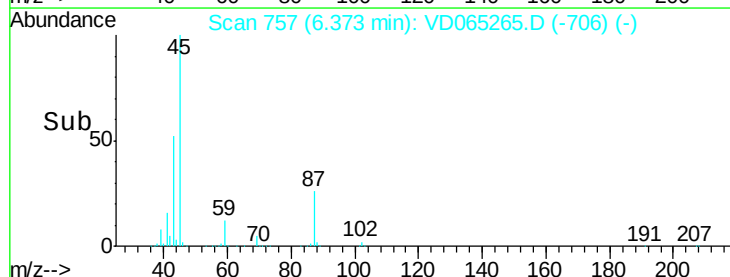
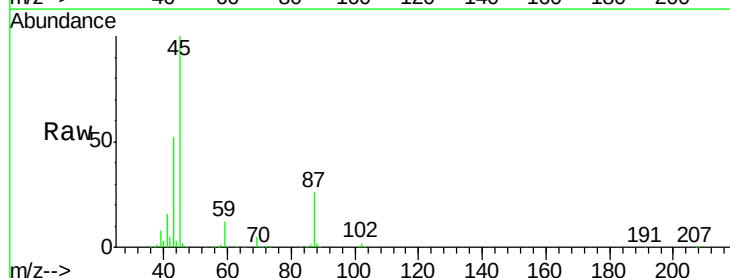
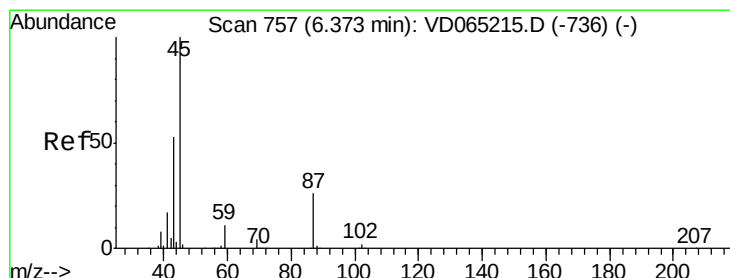
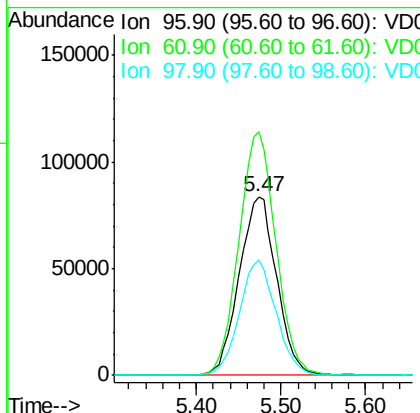
MSVOA_D

ClientSampleId :

VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
2/21/2020 3:22:58 PM



#22

Diisopropyl ether

Concen: 52.076 ug/l

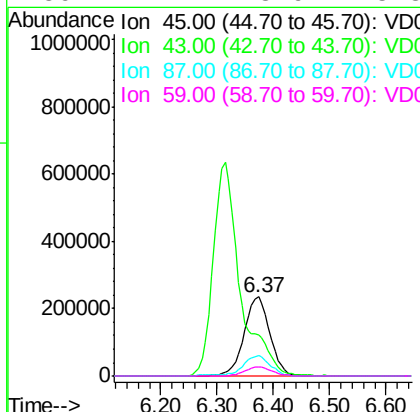
RT: 6.37 min Scan# 757

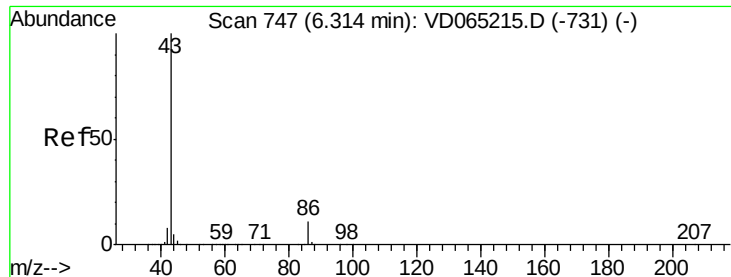
Delta R.T. 0.00 min

Lab File: VD065265.D

Acq: 20 Feb 2020 19:49

Tgt Ion:	45	Resp:	749823
Ion	Ratio	Lower	Upper
45	100		
43	51.7	42.6	64.0
87	25.4	21.2	31.8
59	12.2	8.9	13.3





#23

Vinyl Acetate

Concen: 265.825 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD065265.D

Acq: 20 Feb 2020 19:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2110092

Ion Ratio Lower Upper

43 100

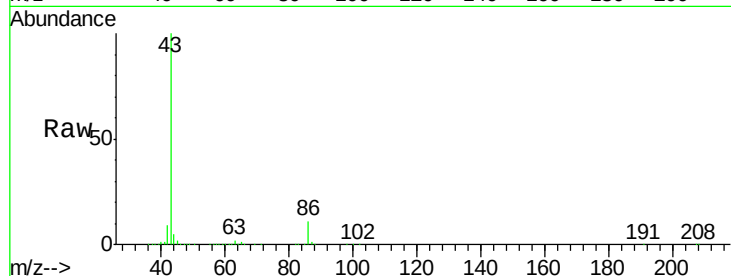
86 10.7 8.6 12.8

Manual Integrations

APPROVED

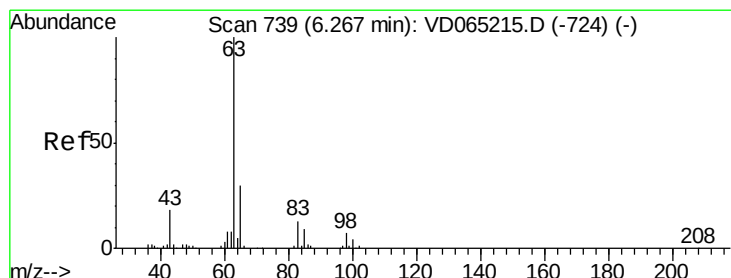
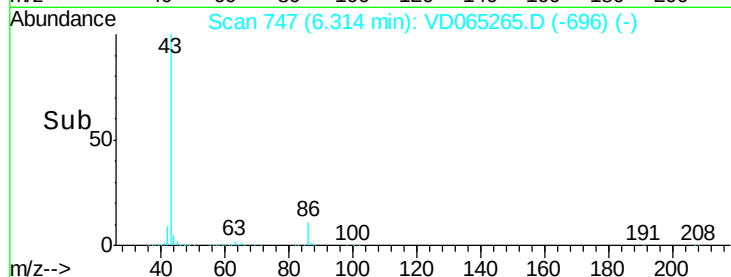
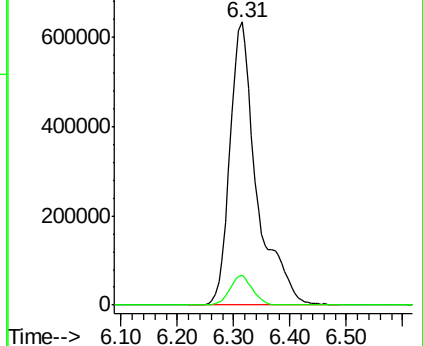
MMDadoda

2/21/2020 3:22:58 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 49.082 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065265.D

Acq: 20 Feb 2020 19:49

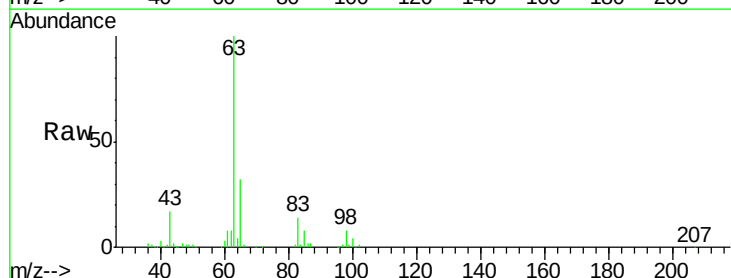
Tgt Ion: 63 Resp: 438346

Ion Ratio Lower Upper

63 100

98 7.5 3.4 10.1

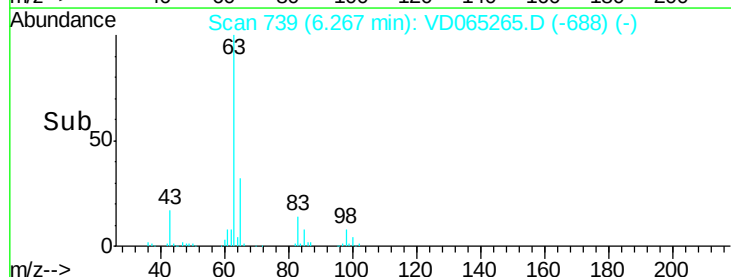
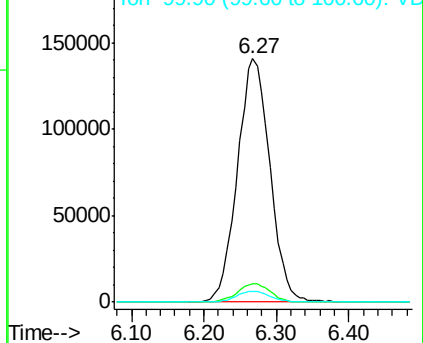
100 4.1 2.3 6.8

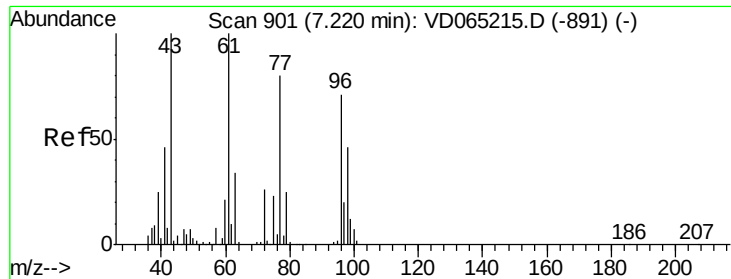


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 231.685 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065265.D

Acq: 20 Feb 2020 19:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 319785

Ion Ratio Lower Upper

43 100

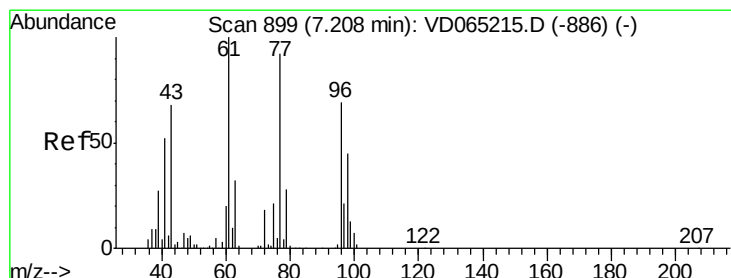
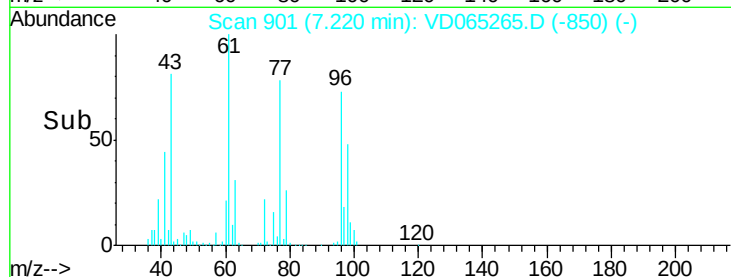
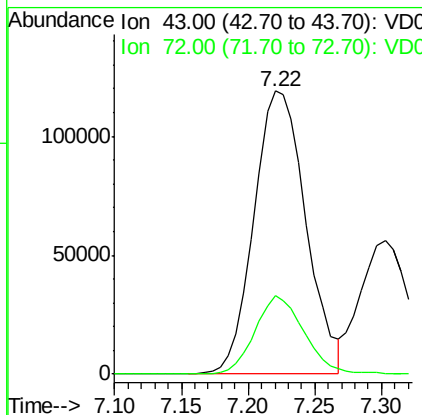
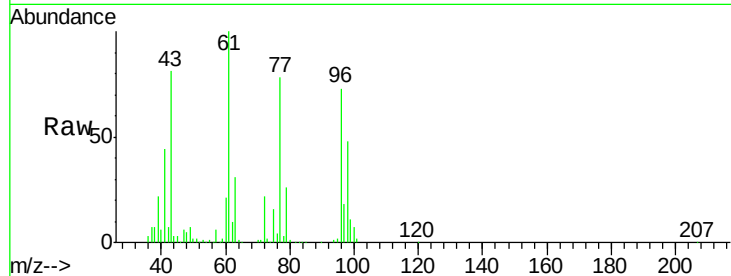
72 27.6 20.9 31.3

Manual Integrations

APPROVED

MMDadoda

2/21/2020 3:22:58 PM



#26

2,2-Dichloropropane

Concen: 45.919 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD065265.D

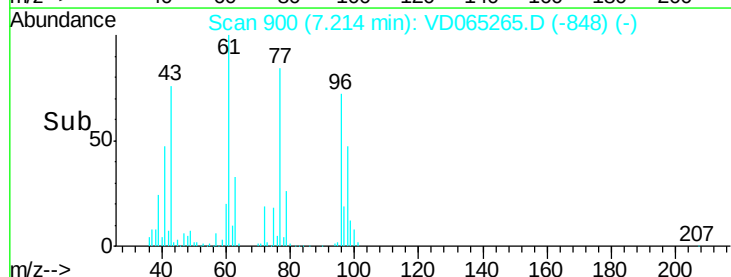
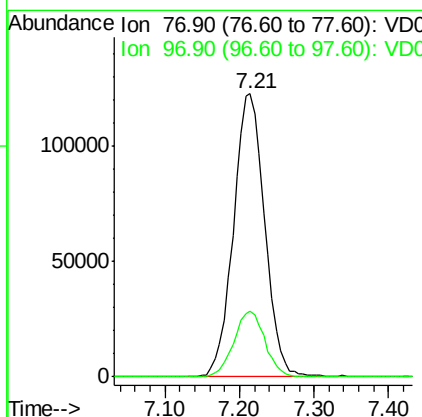
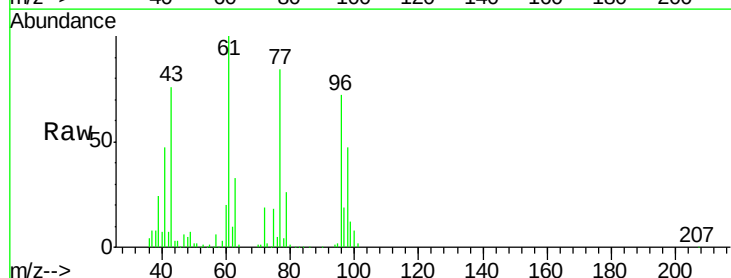
Acq: 20 Feb 2020 19:49

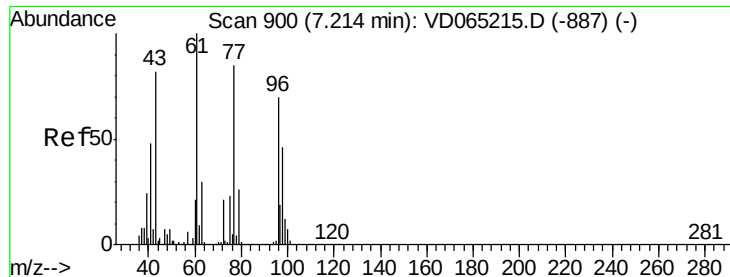
Tgt Ion: 77 Resp: 355818

Ion Ratio Lower Upper

77 100

97 23.1 11.7 35.1





#27

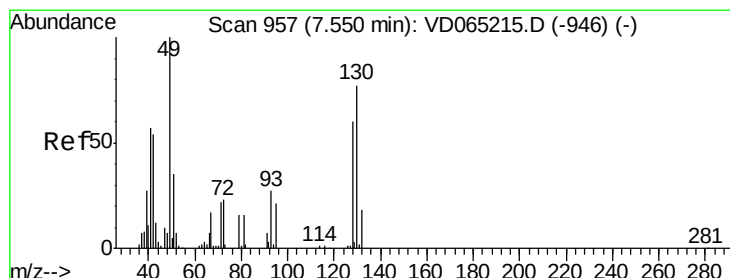
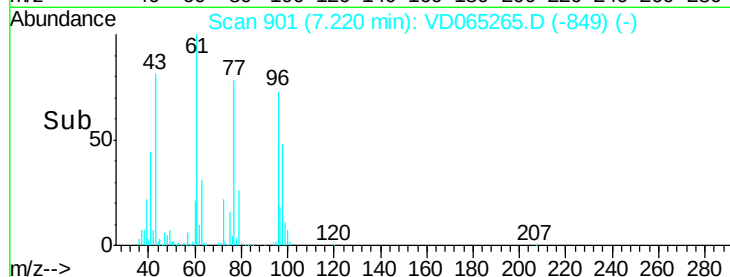
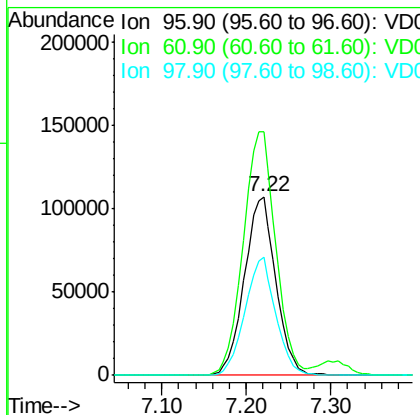
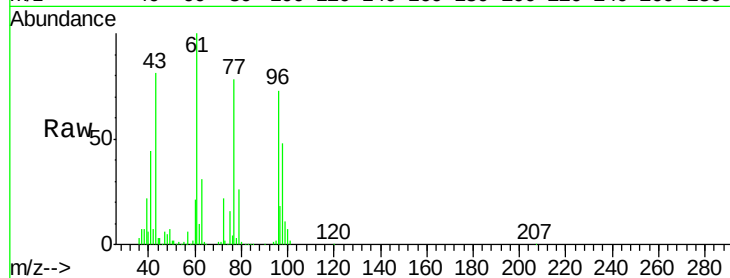
cis-1,2-Dichloroethene
 Concen: 50.244 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VD065265.D
 Acq: 20 Feb 2020 19:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.7	0.0	286.0
98	64.5	0.0	127.8

Manual Integrations
 APPROVED

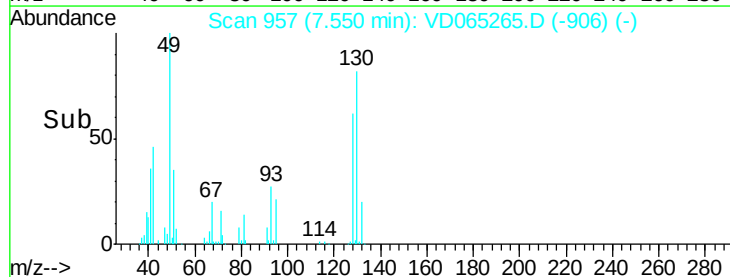
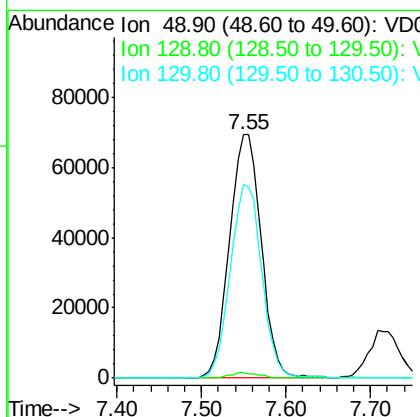
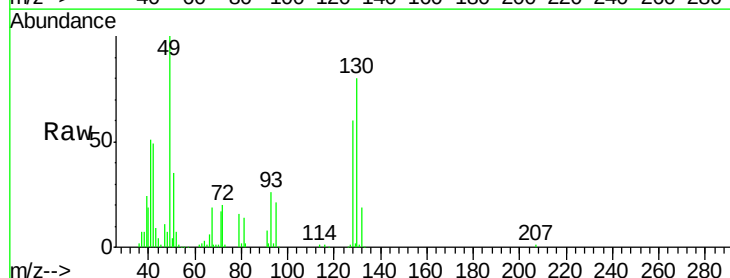
MMDadoda
 2/21/2020 3:22:58 PM

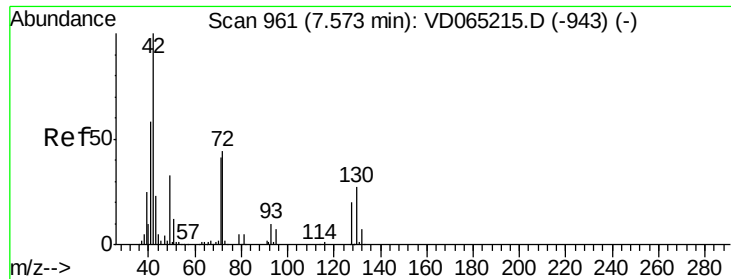


#28

Bromochloromethane
 Concen: 54.311 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065265.D
 Acq: 20 Feb 2020 19:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.6
130	79.0	64.7	97.1





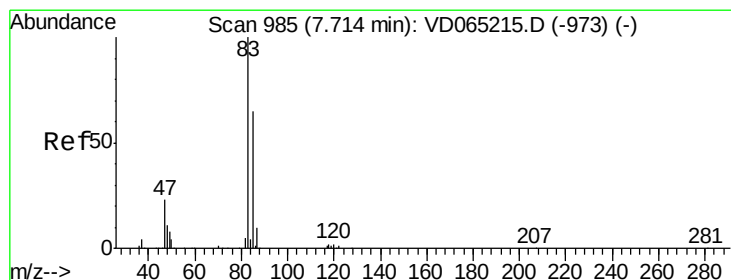
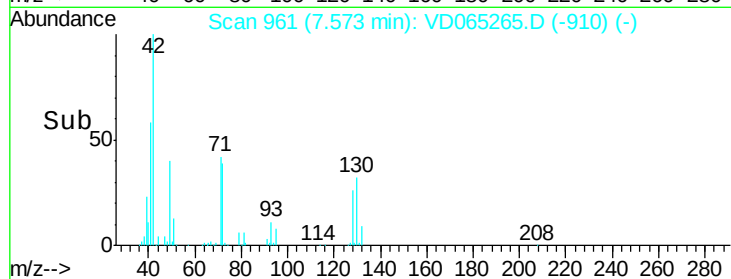
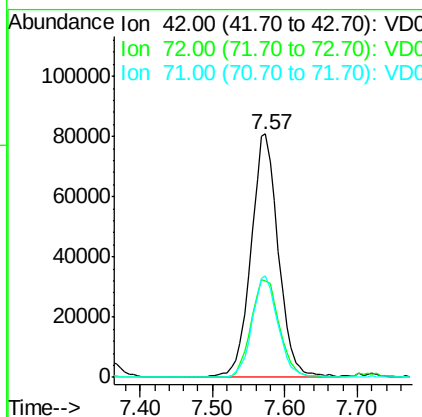
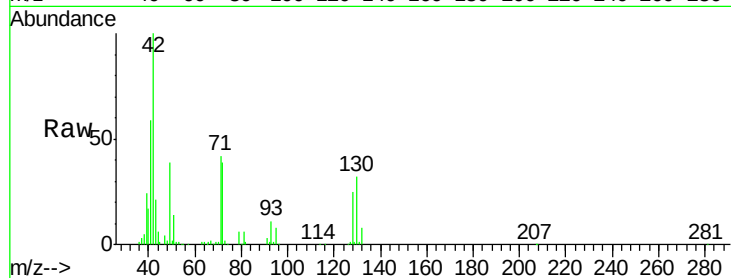
#29
Tetrahydrofuran
Concen: 261.551 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065265.D
Acq: 20 Feb 2020 19:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	33.7	50.5
71	39.3	31.4	47.2

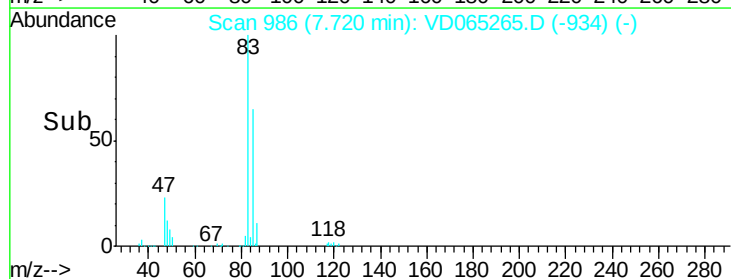
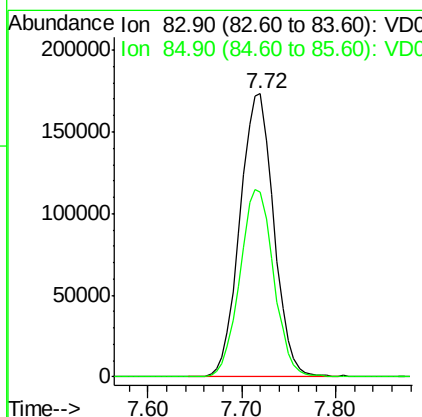
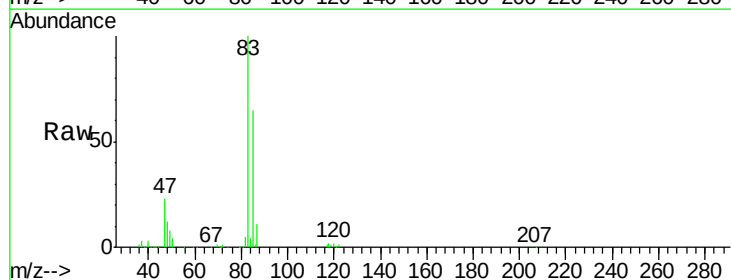
Manual Integrations
APPROVED

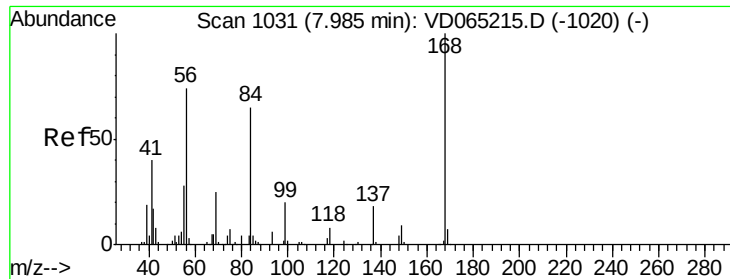
MMDadoda
2/21/2020 3:22:58 PM



#30
Chloroform
Concen: 48.129 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD065265.D
Acq: 20 Feb 2020 19:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.3	78.5





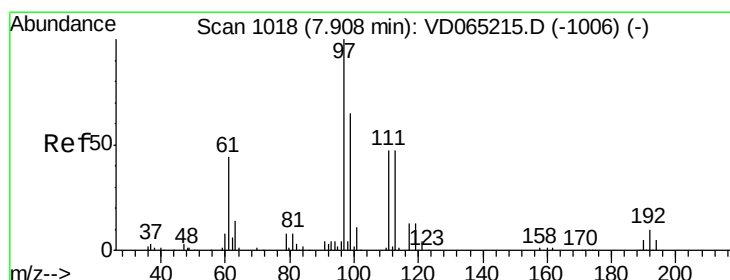
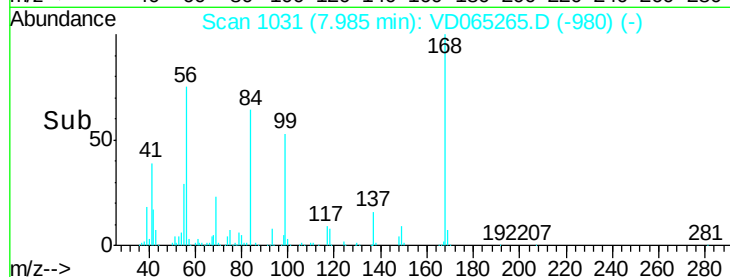
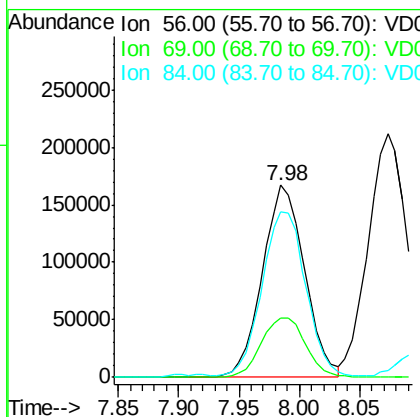
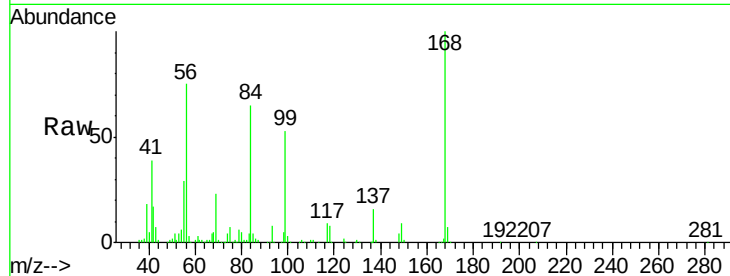
#31
Cyclohexane
Concen: 46.089 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065265.D
Acq: 20 Feb 2020 19:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.9	27.4	41.0
84	85.3	71.1	106.7

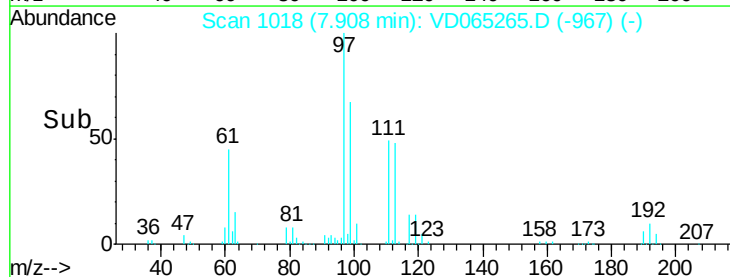
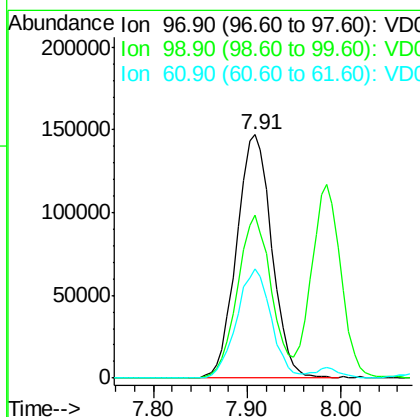
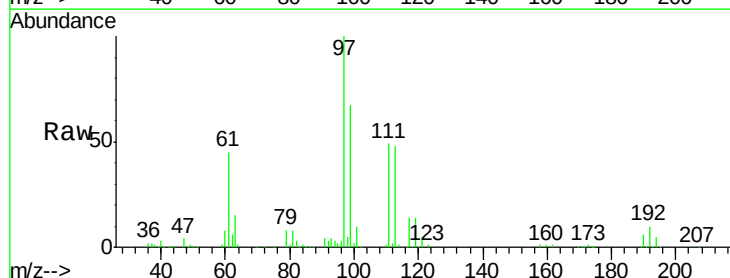
Manual Integrations
APPROVED

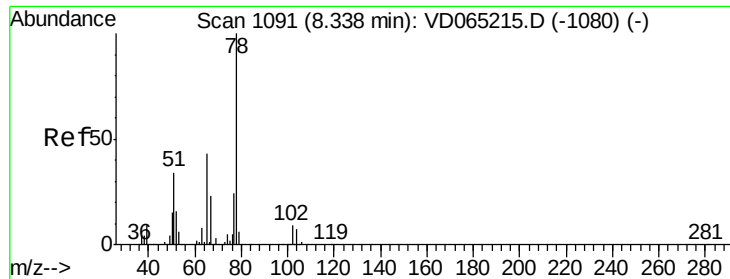
MMDadoda
2/21/2020 3:22:58 PM



#32
1,1,1-Trichloroethane
Concen: 47.376 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065265.D
Acq: 20 Feb 2020 19:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.4	77.2
61	44.1	34.8	52.2





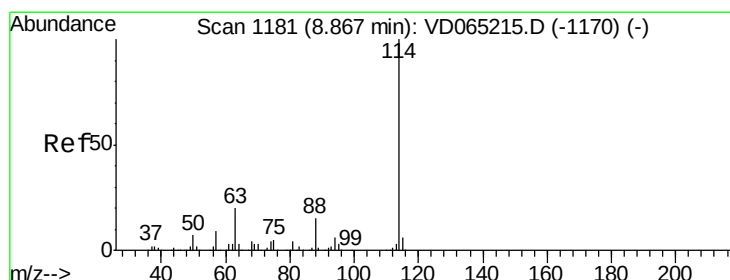
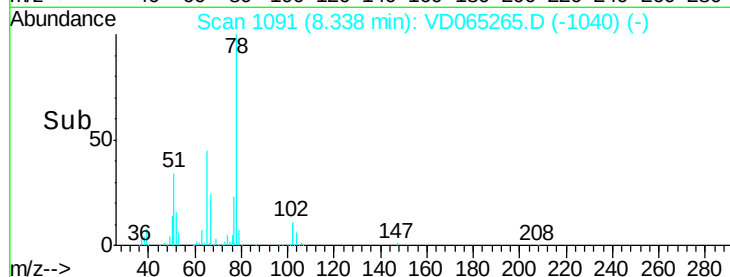
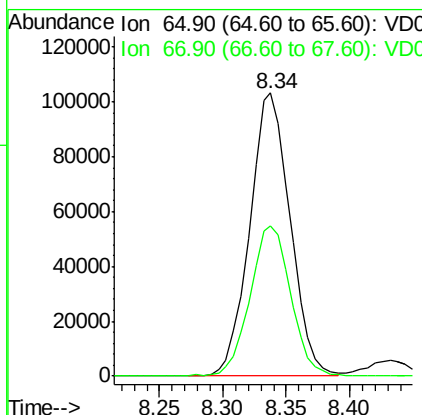
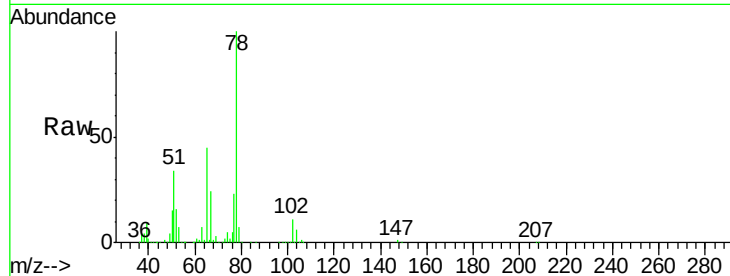
#33
 1,2-Dichloroethane-d4
 Concen: 51.414 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065265.D
 Acq: 20 Feb 2020 19:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	106.8

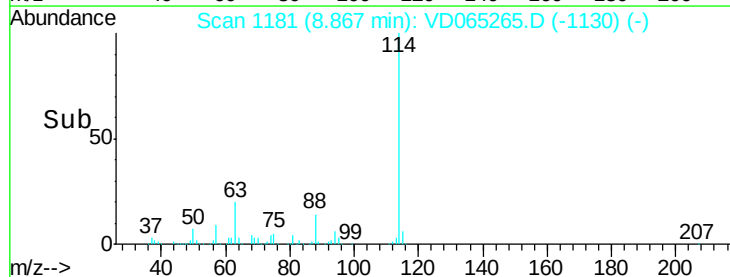
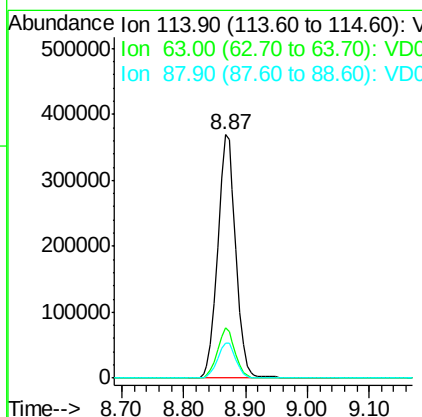
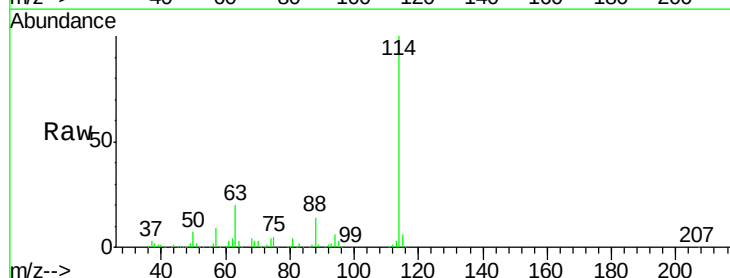
Manual Integrations
 APPROVED

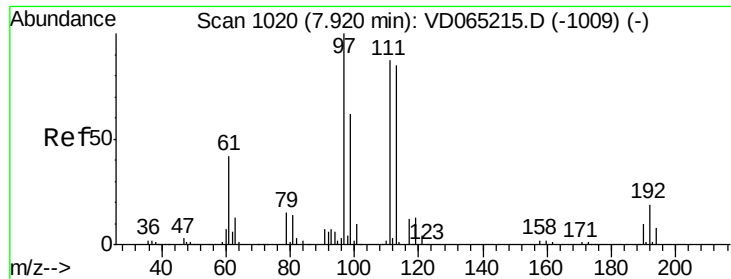
MMDadoda
 2/21/2020 3:22:58 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065265.D
 Acq: 20 Feb 2020 19:49

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	39.4
88	14.3	0.0	30.4





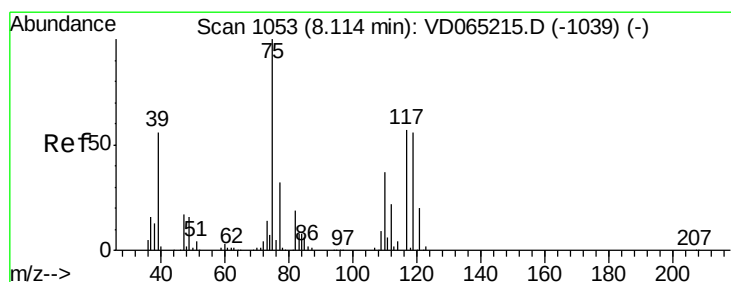
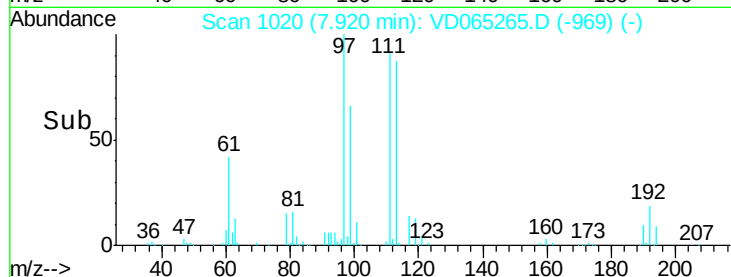
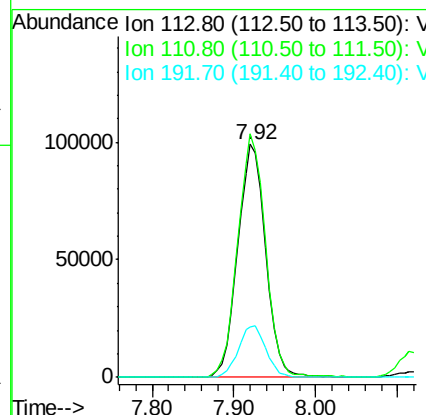
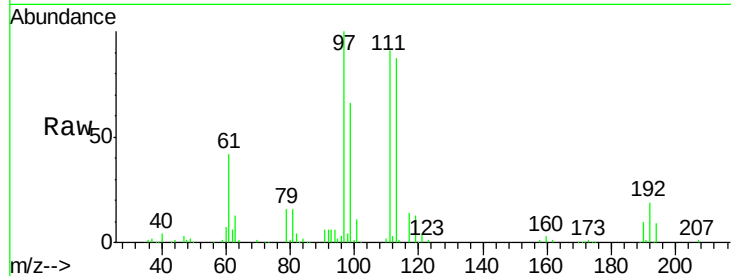
#35
 Dibromofluoromethane
 Concen: 51.803 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065265.D
 Acq: 20 Feb 2020 19:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	235643		
111	104.1	82.9	124.3	
192	21.7	17.3	25.9	

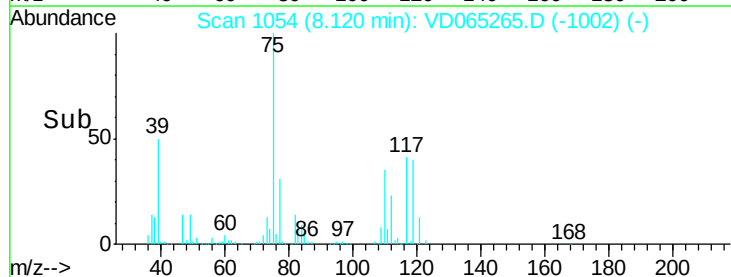
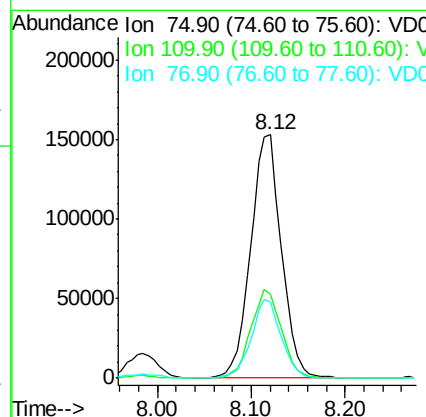
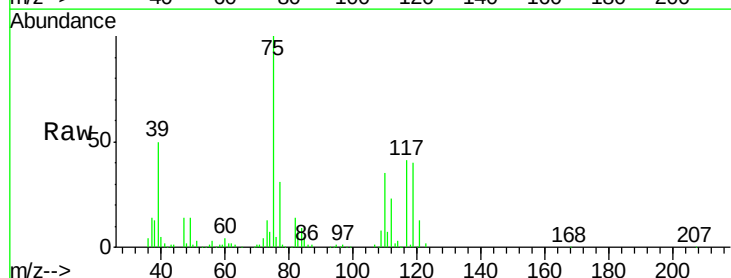
Manual Integrations
 APPROVED

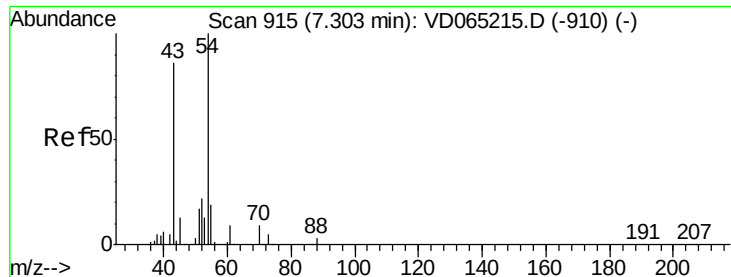
MMDadoda
 2/21/2020 3:22:58 PM



#36
 1,1-Dichloropropene
 Concen: 47.539 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD065265.D
 Acq: 20 Feb 2020 19:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	345081		
110	36.4	17.9	53.7	
77	31.7	25.1	37.7	





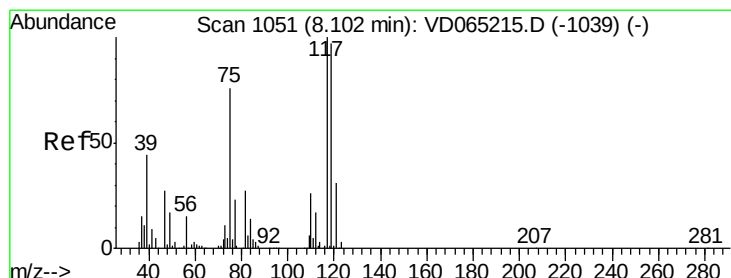
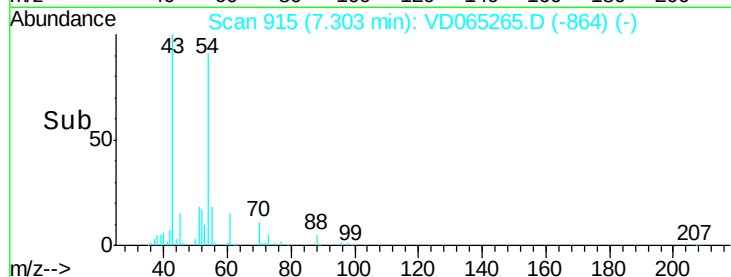
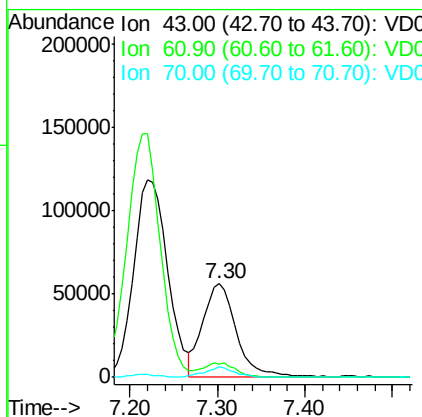
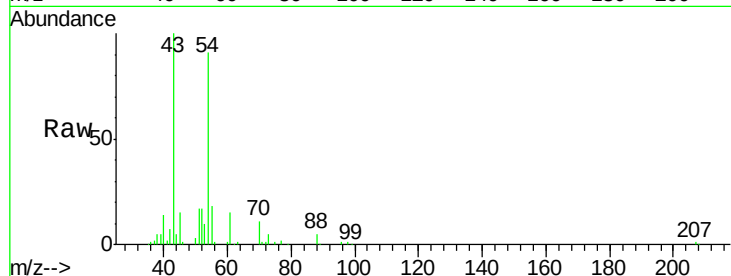
#37
Ethyl Acetate
Concen: 48.865 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065265.D
Acq: 20 Feb 2020 19:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.2	16.8
70	9.7	8.2	12.2

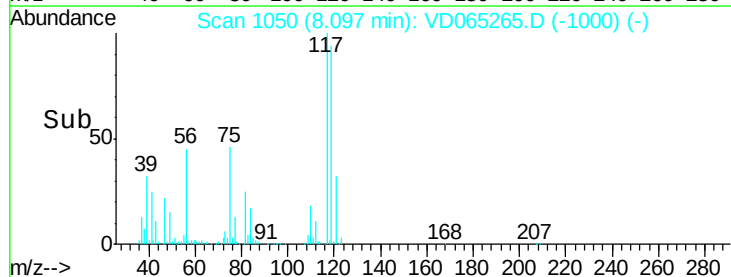
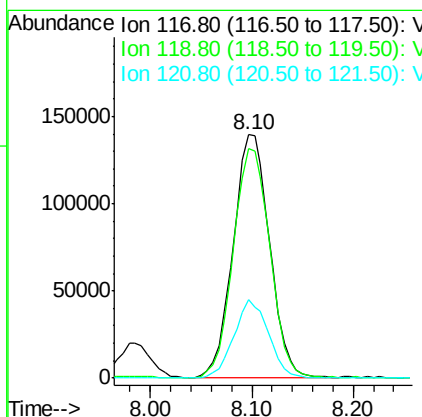
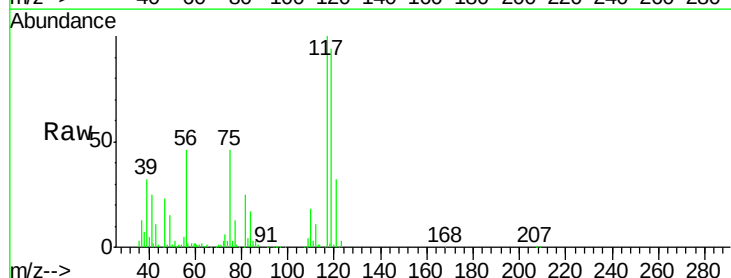
Manual Integrations
APPROVED

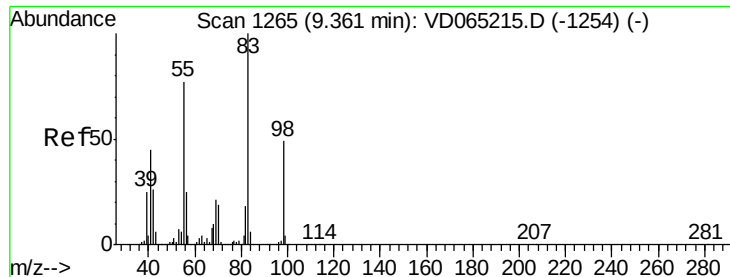
MMDadoda
2/21/2020 3:22:58 PM



#38
Carbon Tetrachloride
Concen: 46.828 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065265.D
Acq: 20 Feb 2020 19:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	77.6	116.4
121	32.5	24.8	37.2





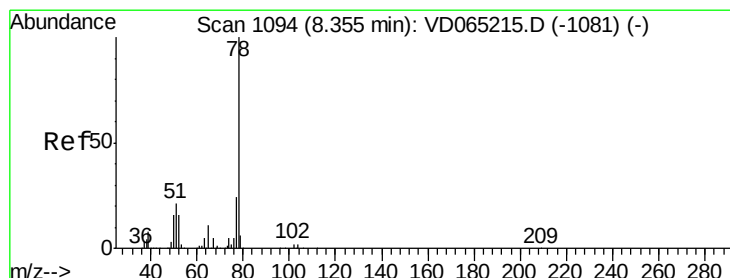
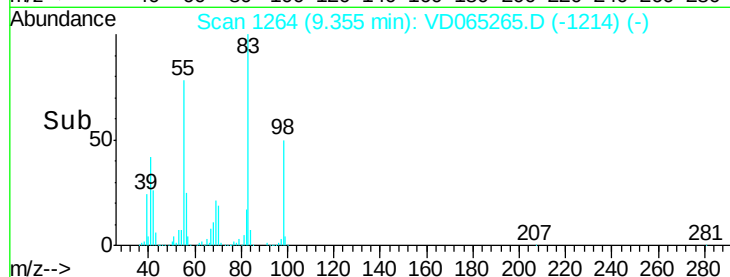
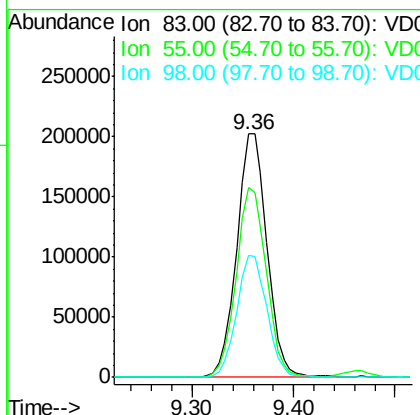
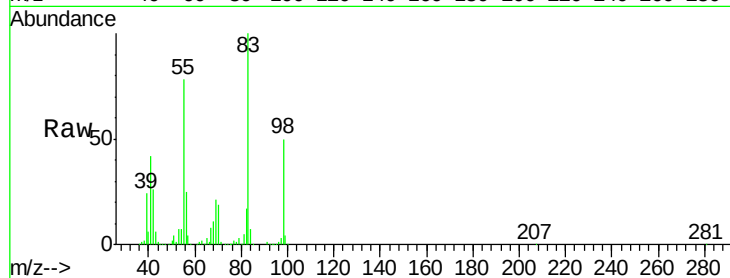
#39
Methylvlcyclohexane
Concen: 49.329 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065265.D
Acq: 20 Feb 2020 19:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.9	61.8	92.6
98	50.1	39.4	59.0

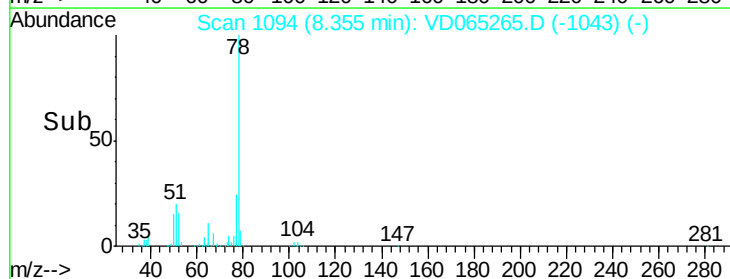
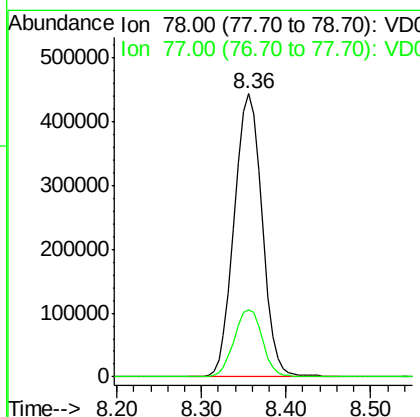
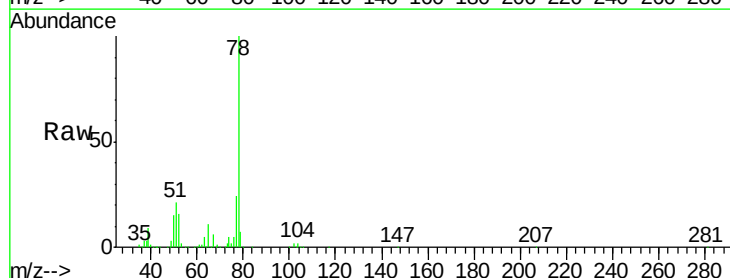
Manual Integrations
APPROVED

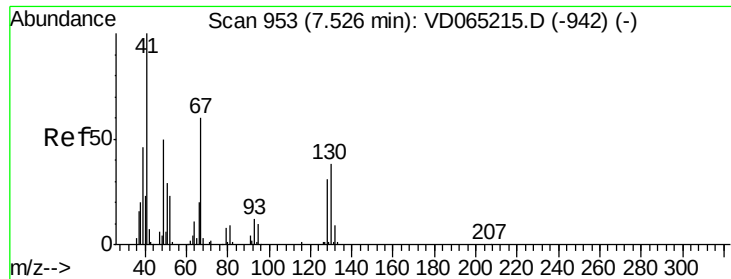
MMDadoda
2/21/2020 3:22:58 PM



#40
Benzene
Concen: 49.386 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065265.D
Acq: 20 Feb 2020 19:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6





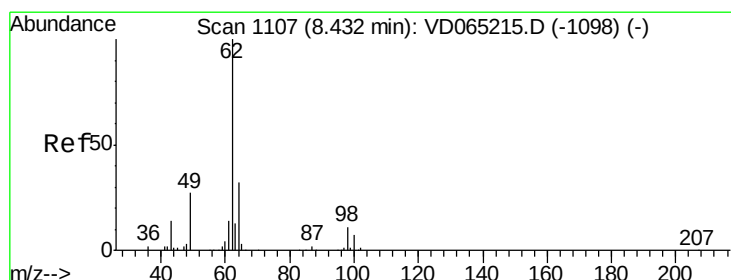
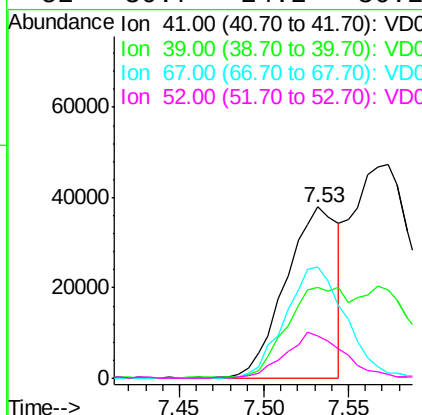
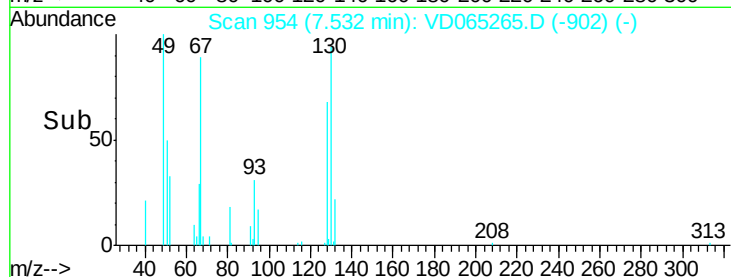
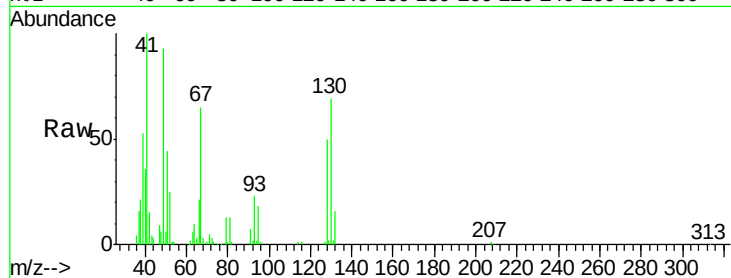
#41
Methacrylonitrile
Concen: 46.686 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065265.D
Acq: 20 Feb 2020 19:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	81799
Ion	Ratio	Lower	Upper
41	100		
39	61.3	48.1	72.1
67	75.9	58.9	88.3
52	30.7	24.2	36.2

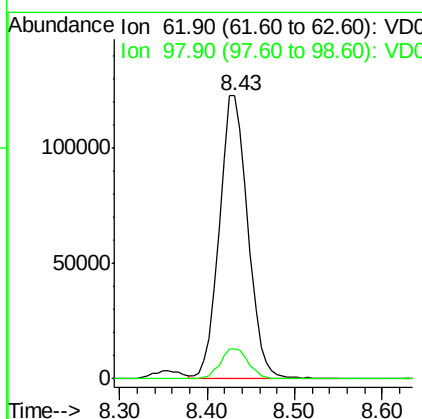
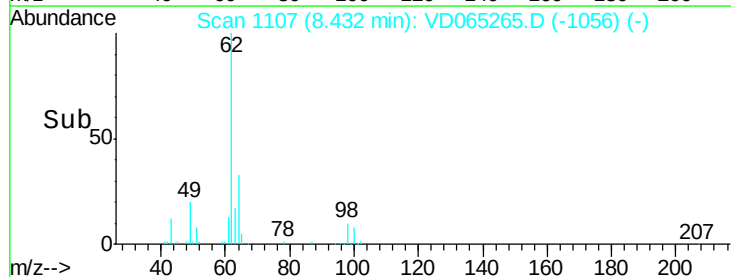
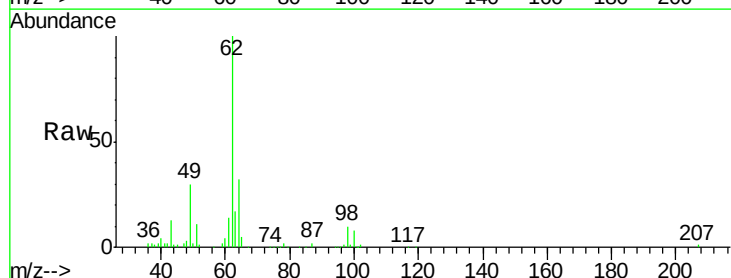
Manual Integrations
APPROVED

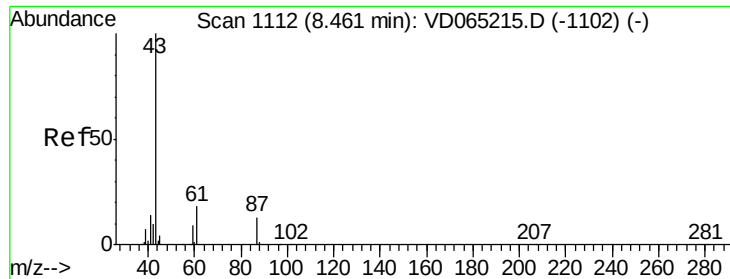
MMDadoda
2/21/2020 3:22:58 PM



#42
1,2-Dichloroethane
Concen: 48.746 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065265.D
Acq: 20 Feb 2020 19:49

Tgt Ion	62	Resp	274567
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.6





#43

Isopropyl Acetate

Concen: 50.600 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065265.D

Acq: 20 Feb 2020 19:49

Instrument :

MSVOA_D

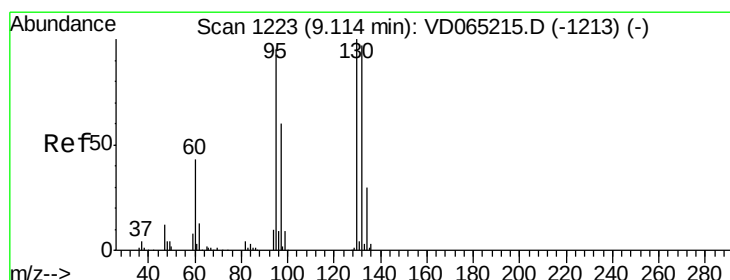
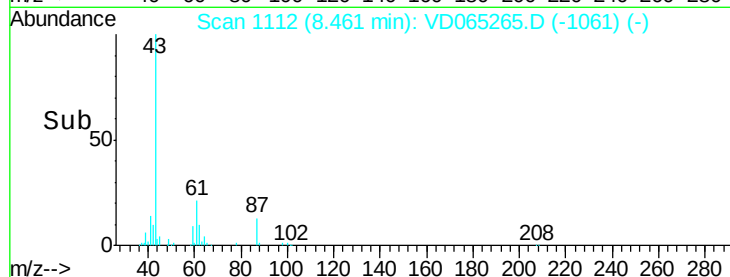
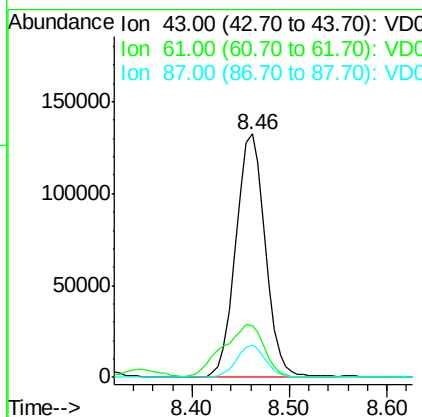
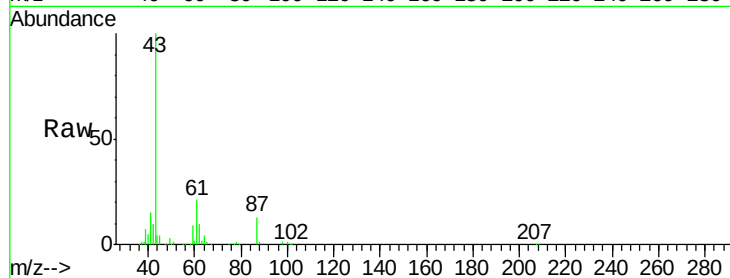
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	279220
Ion	Ratio	Lower	Upper
43	100		
61	30.8	24.6	36.8
87	13.2	10.6	16.0

Manual Integrations
APPROVED

MMDadoda
2/21/2020 3:22:58 PM



#44

Trichloroethene

Concen: 47.937 ug/l

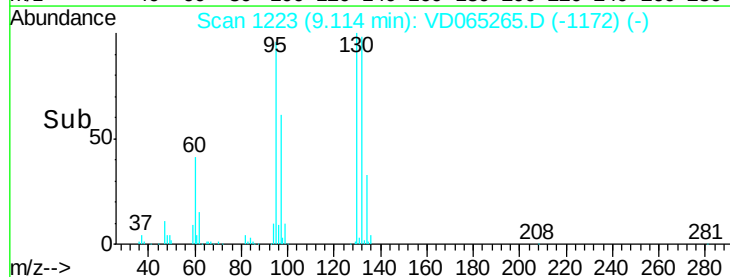
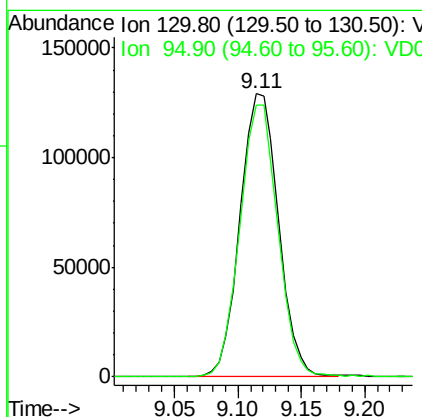
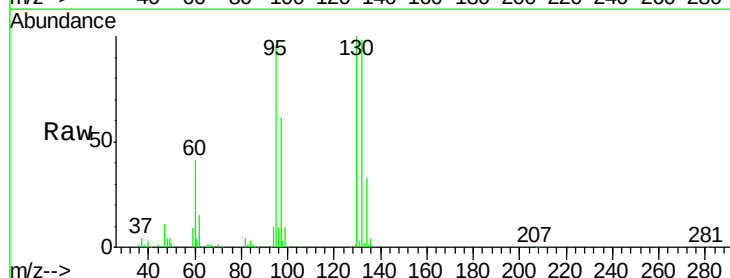
RT: 9.11 min Scan# 1223

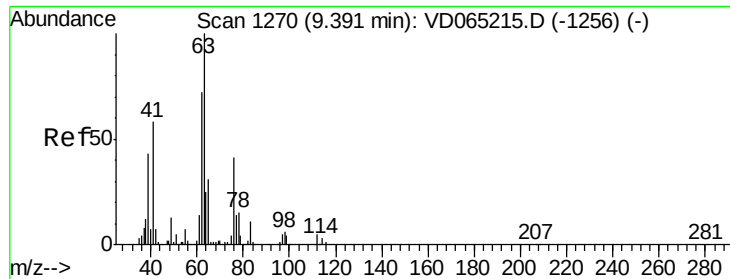
Delta R.T. 0.00 min

Lab File: VD065265.D

Acq: 20 Feb 2020 19:49

Tgt Ion:	130	Resp:	272252
Ion	Ratio	Lower	Upper
130	100		
95	96.0	0.0	190.6





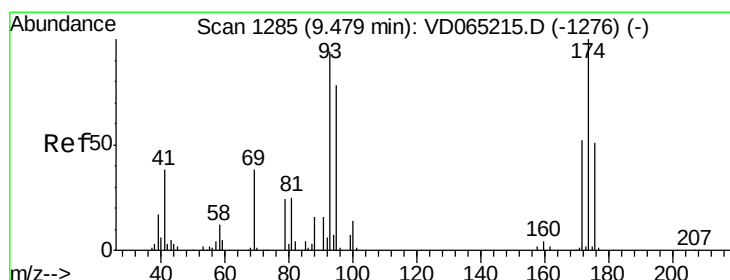
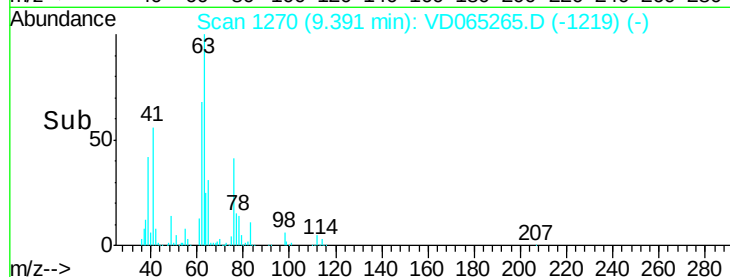
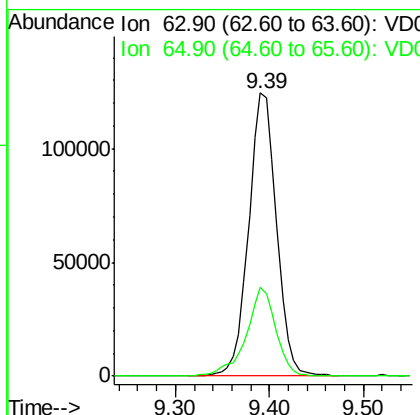
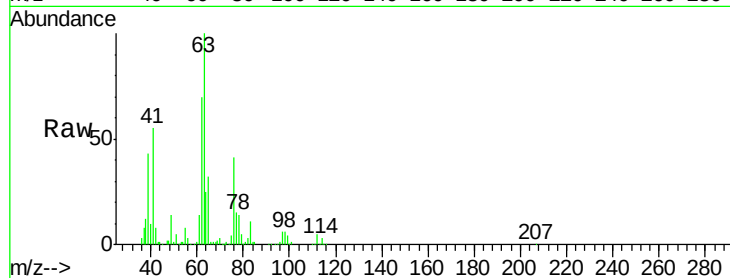
#45
 1,2-Dichloropropane
 Concen: 50.117 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065265.D
 Acq: 20 Feb 2020 19:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.9	37.3

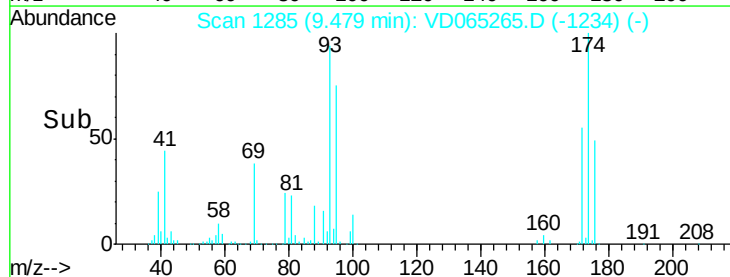
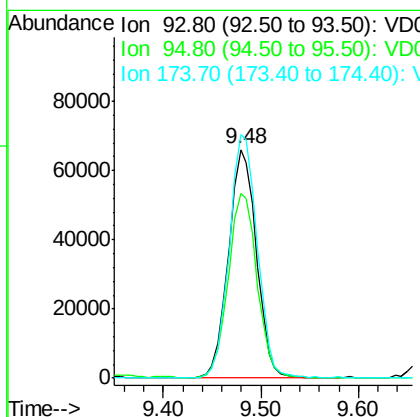
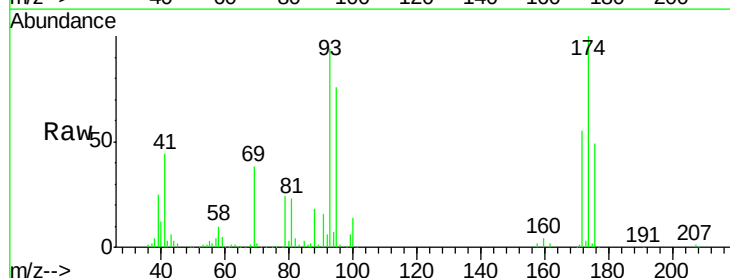
Manual Integrations
 APPROVED

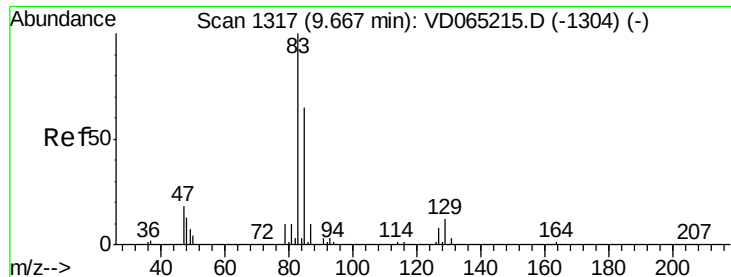
MMDadoda
 2/21/2020 3:22:58 PM



#46
 Dibromomethane
 Concen: 50.294 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065265.D
 Acq: 20 Feb 2020 19:49

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	65.8	98.6
174	106.9	86.8	130.2





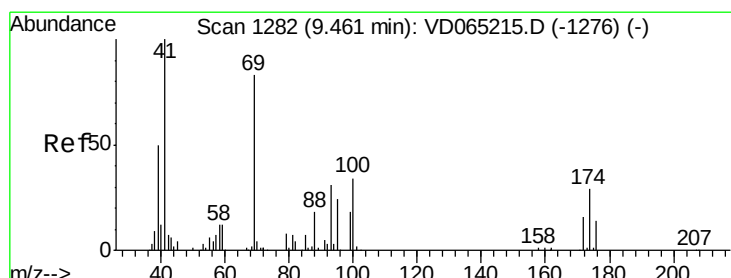
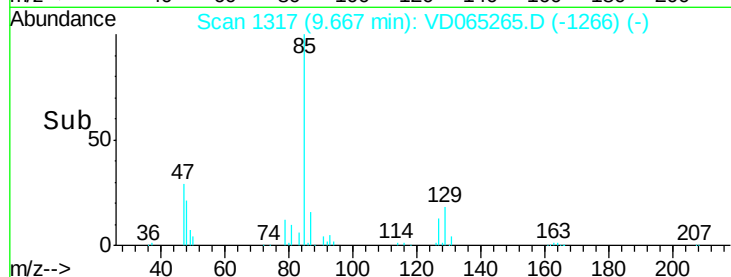
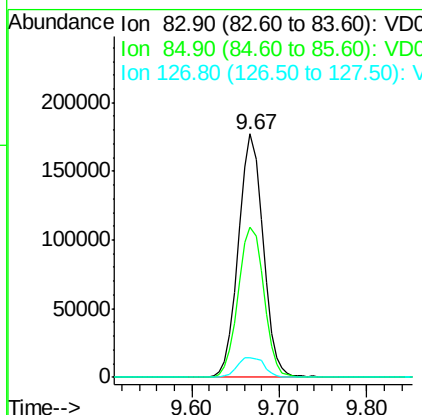
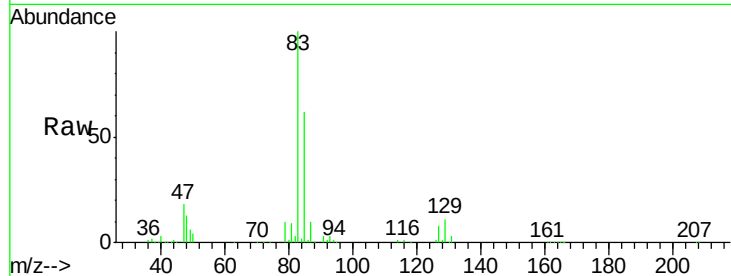
#47
Bromodichloromethane
Concen: 48.859 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065265.D
Acq: 20 Feb 2020 19:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	61.9	52.0	78.0	
127	8.1	6.7	10.1	

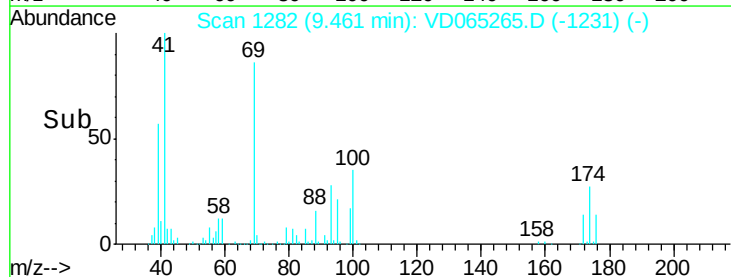
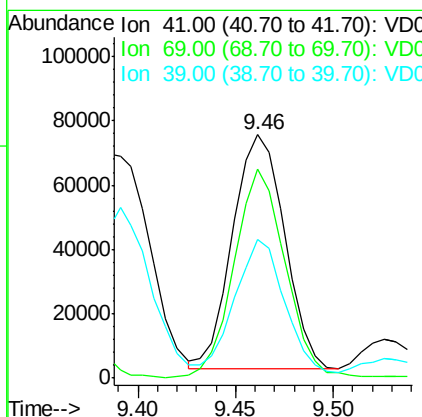
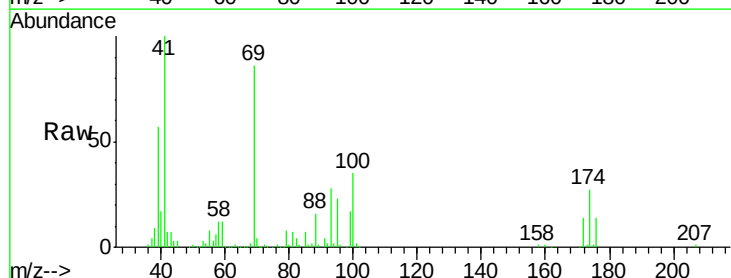
Manual Integrations
APPROVED

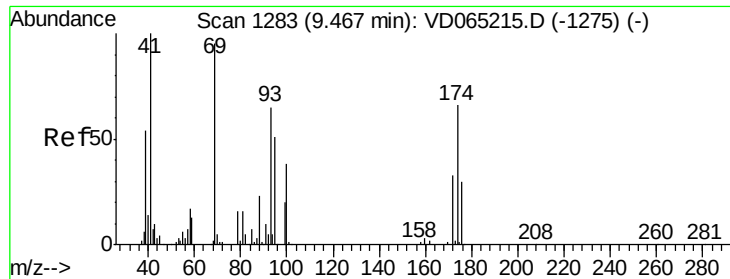
MMDadoda
2/21/2020 3:22:58 PM



#48
Methyl methacrylate
Concen: 52.752 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065265.D
Acq: 20 Feb 2020 19:49

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	88.8	68.2	102.2	
39	53.2	42.0	63.0	





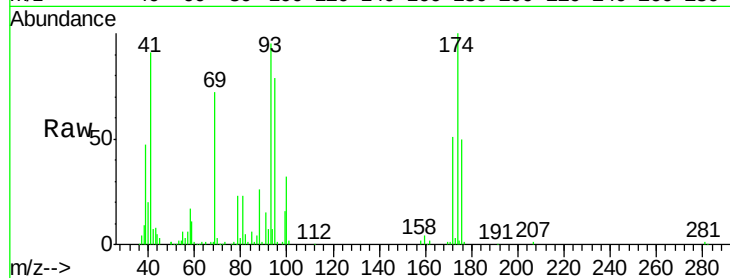
#49
1,4-Dioxane
Concen: 1021.232 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD065265.D
Acq: 20 Feb 2020 19:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

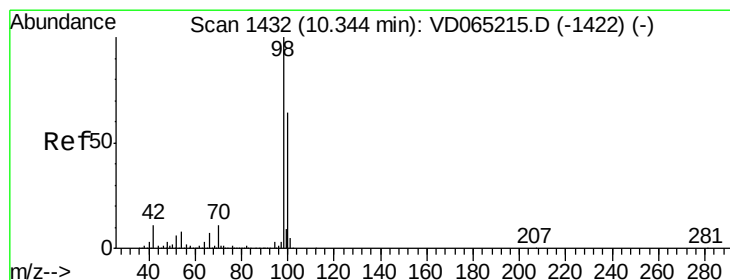
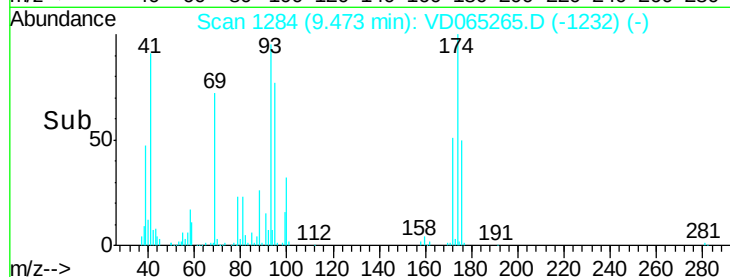
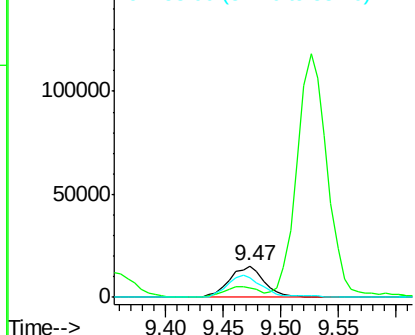
Tot Ion	Ratio	Lower	Upper
88	100		
43	34.9	28.5	42.7
58	69.5	58.6	87.8

Manual Integrations
APPROVED

MMDadoda
2/21/2020 3:22:58 PM

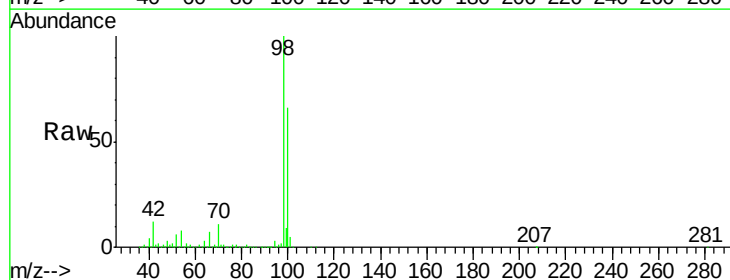


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

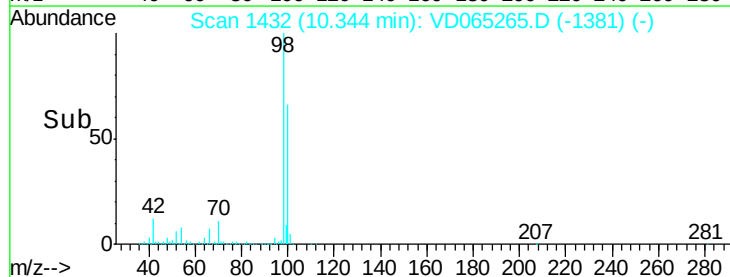
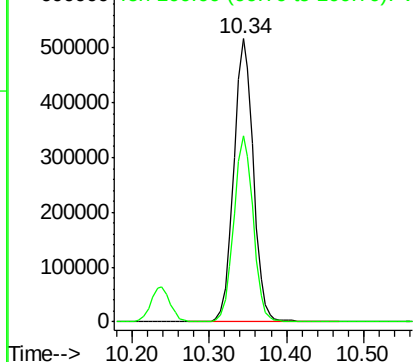


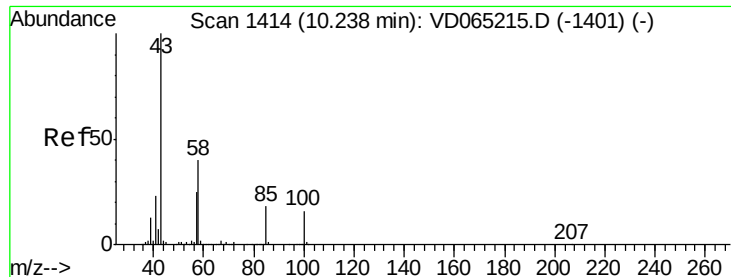
#50
Toluene-d8
Concen: 53.049 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065265.D
Acq: 20 Feb 2020 19:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.0	78.0



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





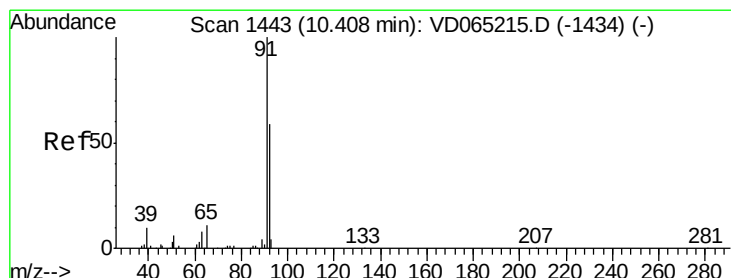
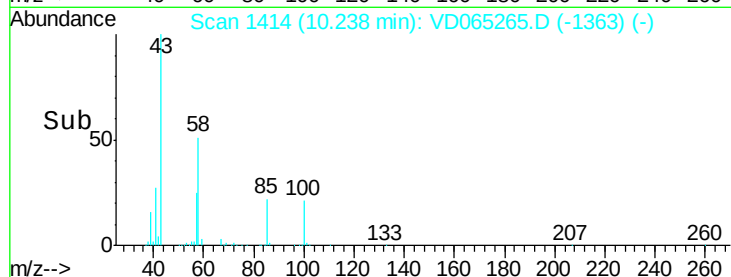
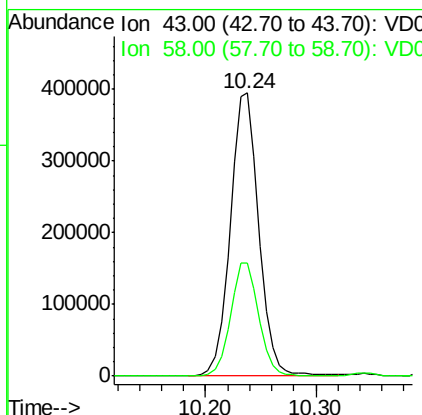
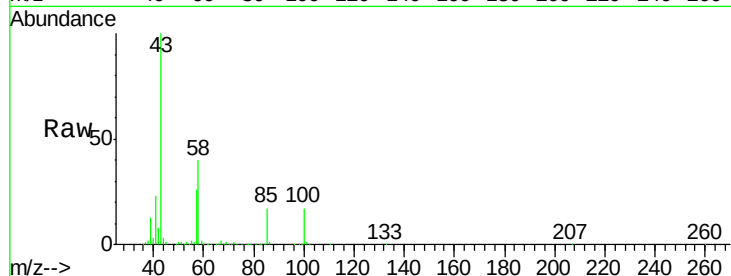
#51
4-Methyl-2-Pentanone
Concen: 254.909 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.00 min
Lab File: VD065265.D
Acq: 20 Feb 2020 19:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	714452
Ion Ratio	100	Lower	Upper
43	100		
58	39.6	31.1	46.7

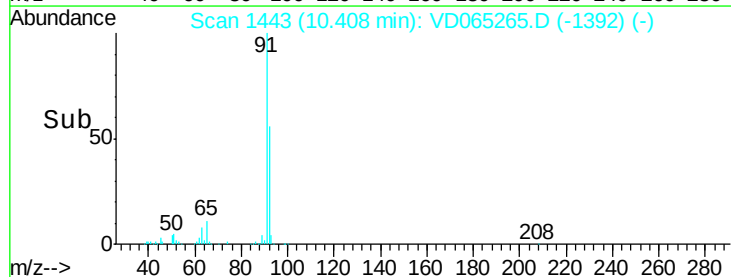
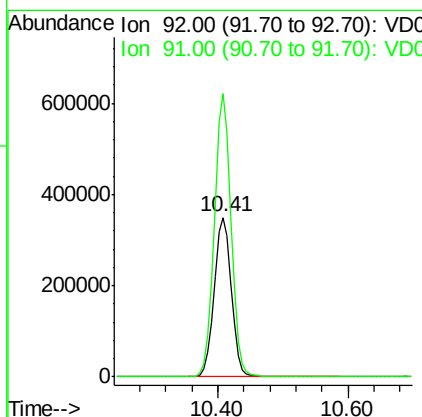
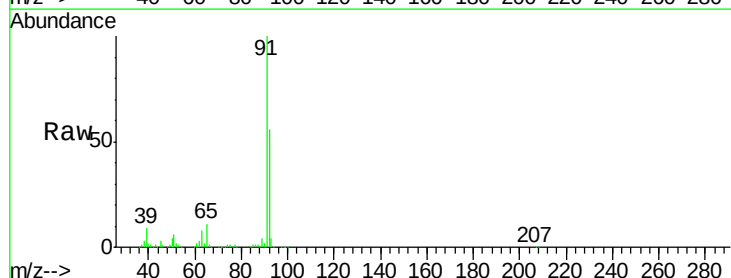
Manual Integrations
APPROVED

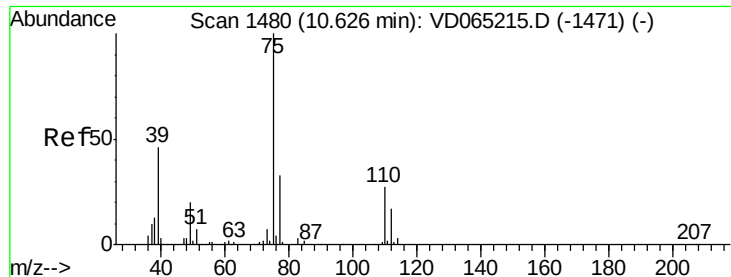
MMDadoda
2/21/2020 3:22:58 PM



#52
Toluene
Concen: 50.261 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065265.D
Acq: 20 Feb 2020 19:49

Tgt Ion	92	Resp	637421
Ion Ratio	100	Lower	Upper
92	100		
91	173.3	136.3	204.5





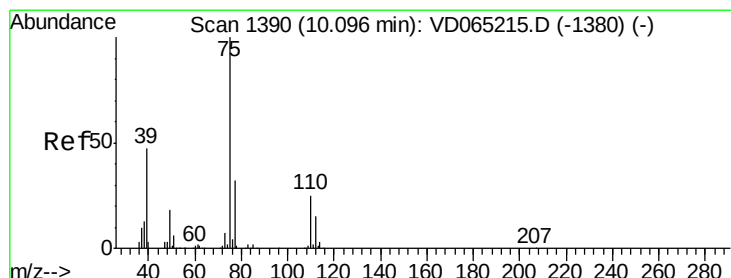
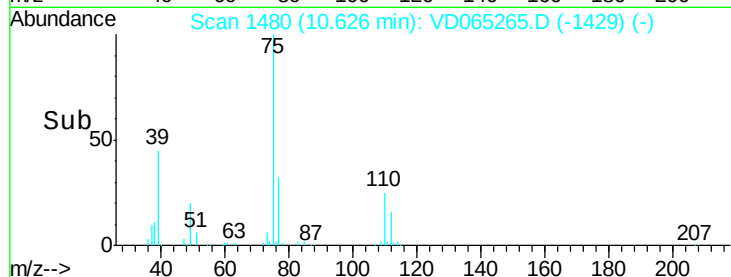
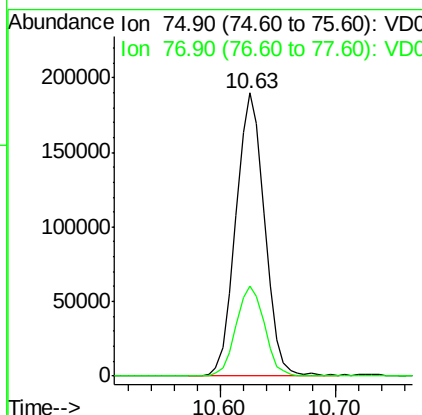
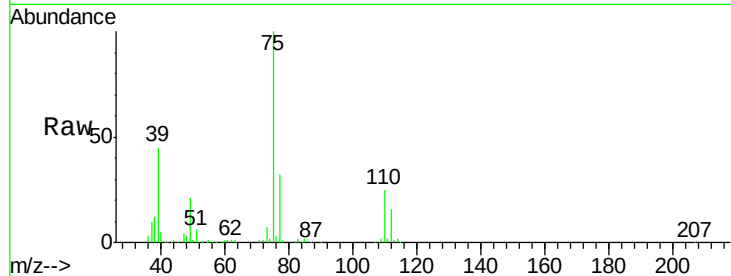
#53
 t-1,3-Dichloropropene
 Concen: 51.092 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD065265.D
 Acq: 20 Feb 2020 19:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	26.6	40.0

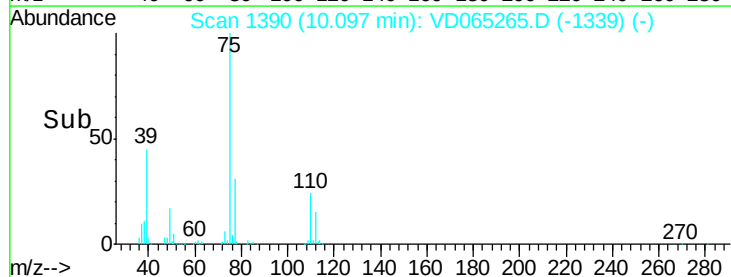
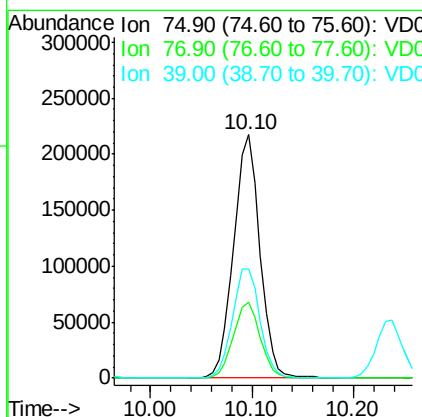
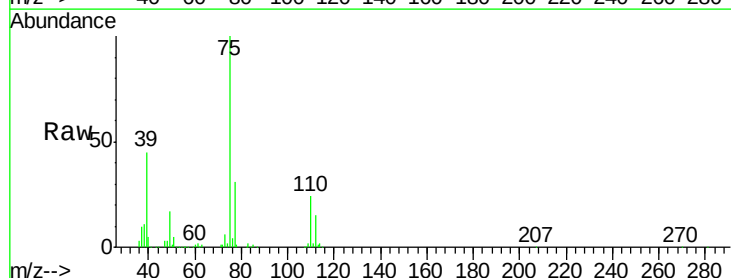
Manual Integrations
 APPROVED

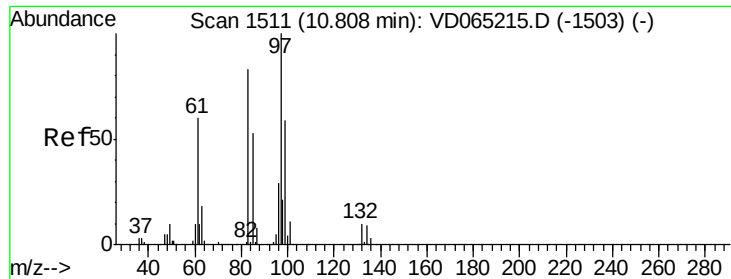
MMDadoda
 2/21/2020 3:22:58 PM



#54
 cis-1,3-Dichloropropene
 Concen: 50.786 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VD065265.D
 Acq: 20 Feb 2020 19:49

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.8	38.8
39	44.5	37.3	55.9





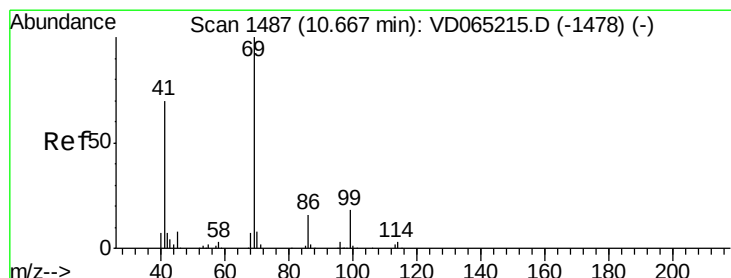
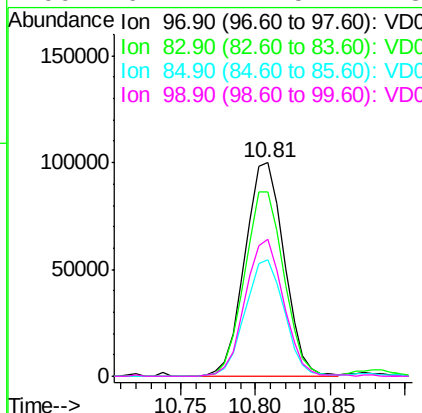
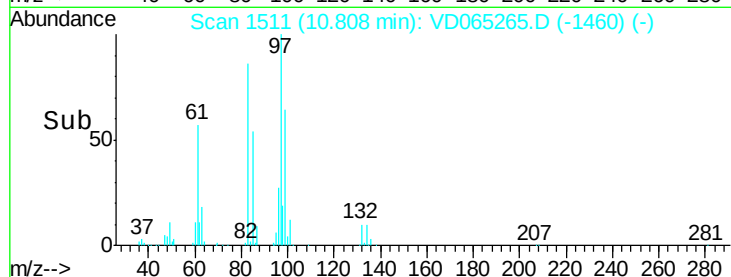
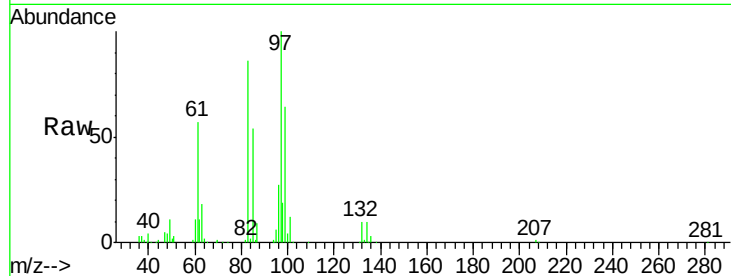
#55
 1,1,2-Trichloroethane
 Concen: 49.527 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065265.D
 Acq: 20 Feb 2020 19:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		182730		
83	86.3	66.7	100.1		
85	54.3	42.4	63.6		
99	64.4	47.5	71.3		

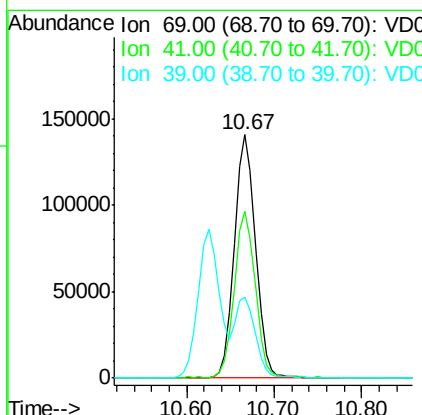
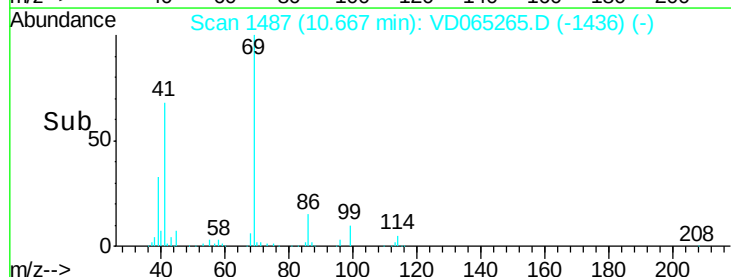
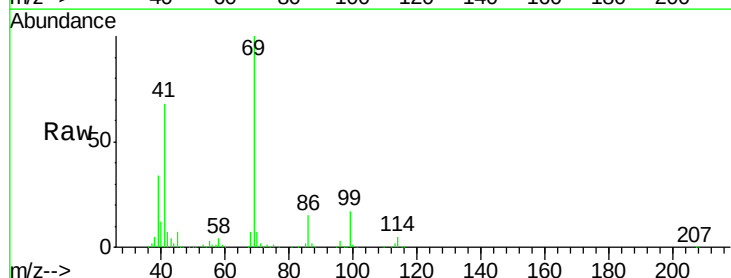
Manual Integrations
 APPROVED

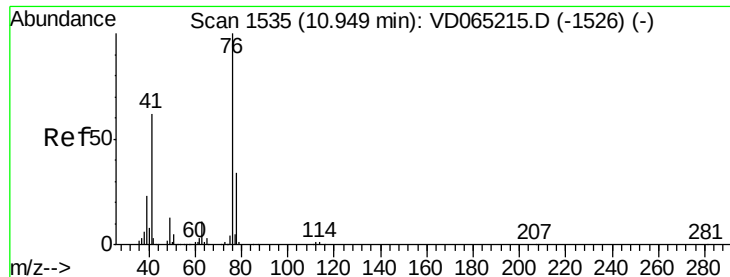
MMDadoda
 2/21/2020 3:22:58 PM



#56
 Ethyl methacrylate
 Concen: 54.202 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065265.D
 Acq: 20 Feb 2020 19:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		230821		
41	67.1	54.6	81.8		
39	31.3	26.5	39.7		





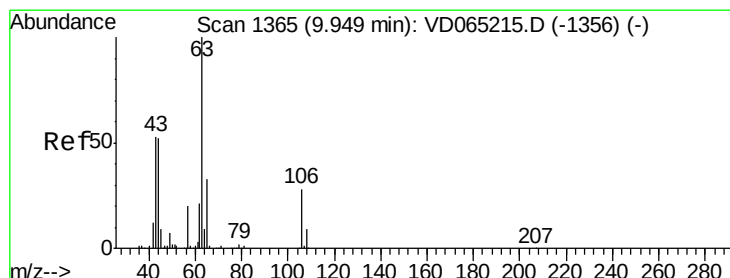
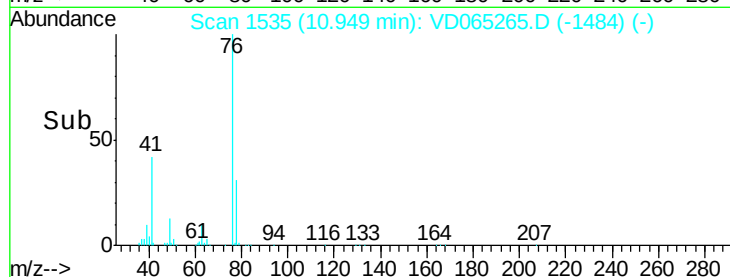
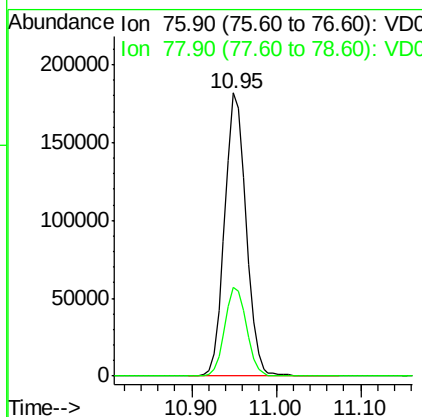
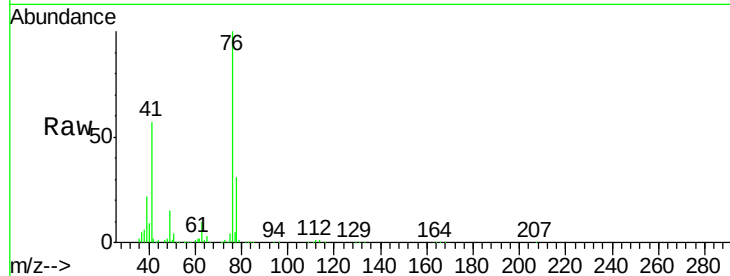
#57
 1,3-Dichloropropane
 Concen: 50.732 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065265.D
 Acq: 20 Feb 2020 19:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.3	39.5

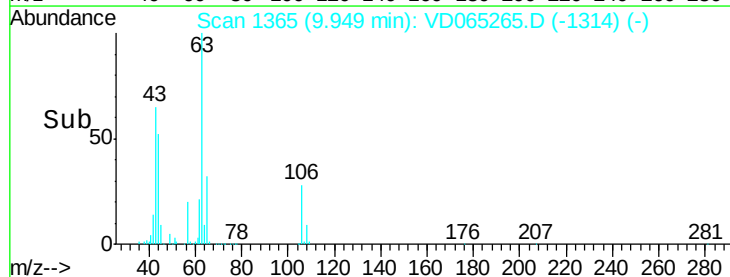
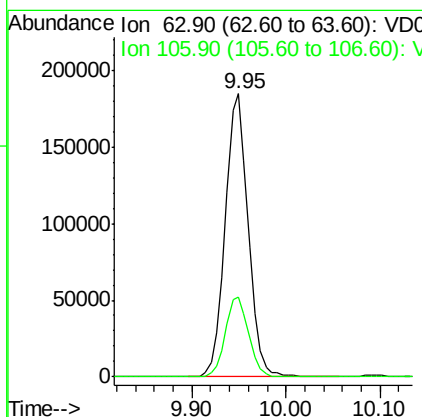
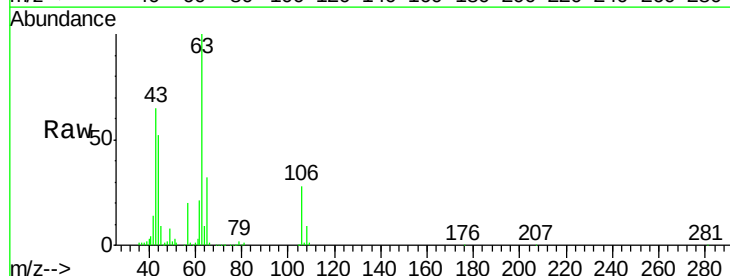
Manual Integrations
 APPROVED

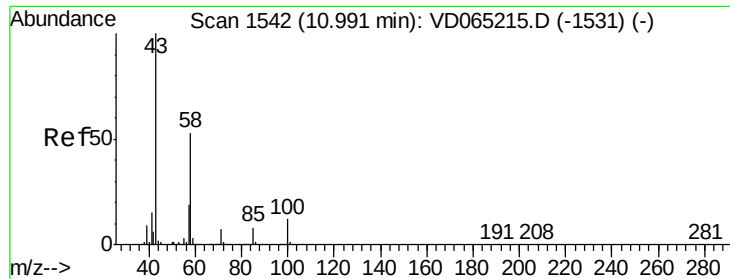
MMDadoda
 2/21/2020 3:22:58 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 233.809 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065265.D
 Acq: 20 Feb 2020 19:49

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.6	22.8	34.2





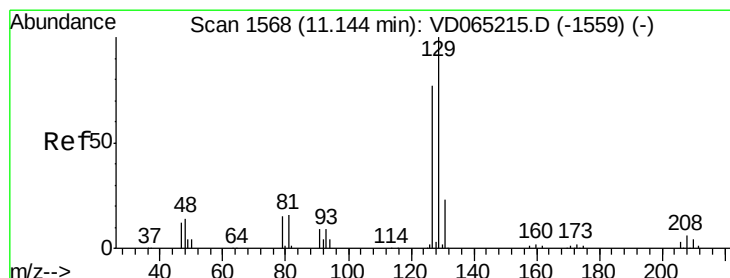
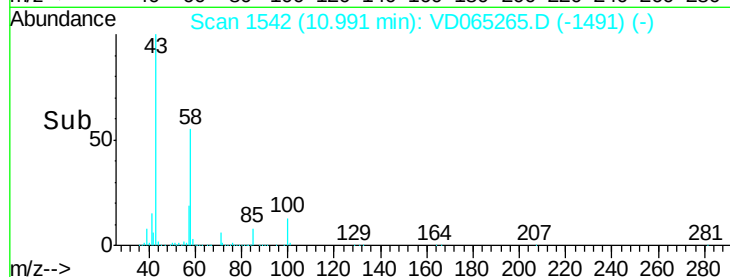
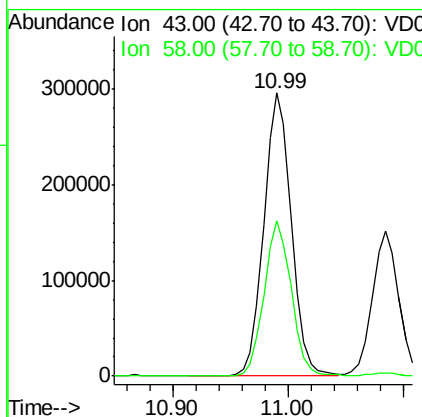
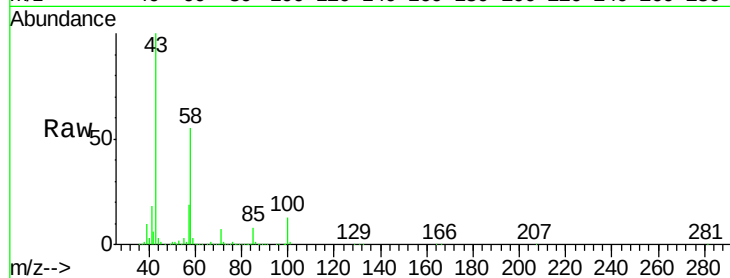
#59
2-Hexanone
Concen: 245.151 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065265.D
Acq: 20 Feb 2020 19:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	58	Ratio	Lower	Upper
43	100				
58	54.2	26.3	78.8		

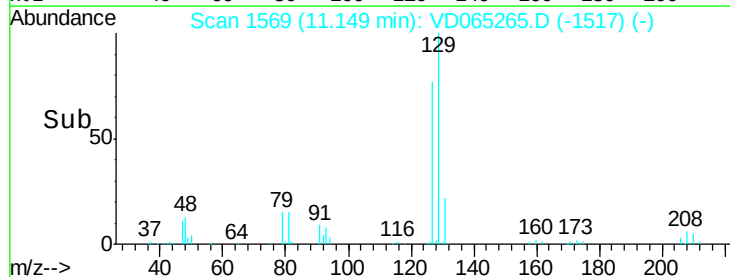
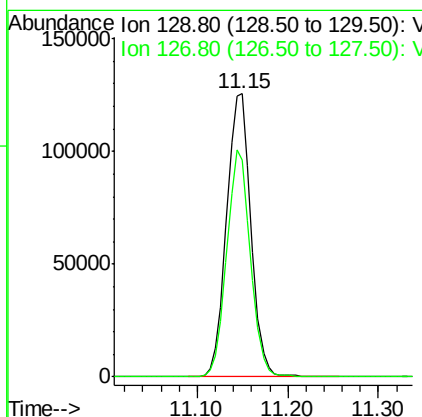
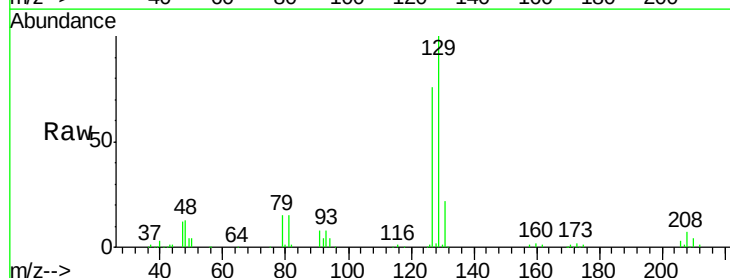
Manual Integrations
APPROVED

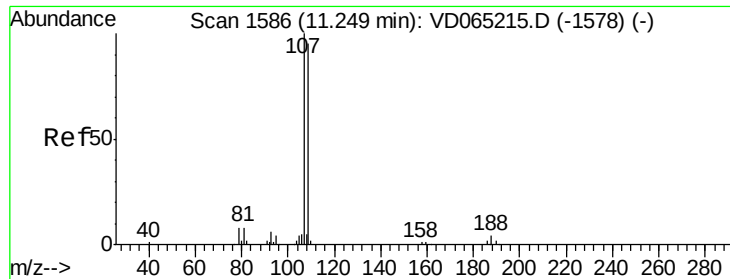
MMDadoda
2/21/2020 3:22:58 PM



#60
Dibromochloromethane
Concen: 49.713 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD065265.D
Acq: 20 Feb 2020 19:49

Tgt Ion	129	127	Ratio	Lower	Upper
129	100				
127	77.8	38.7	116.1		





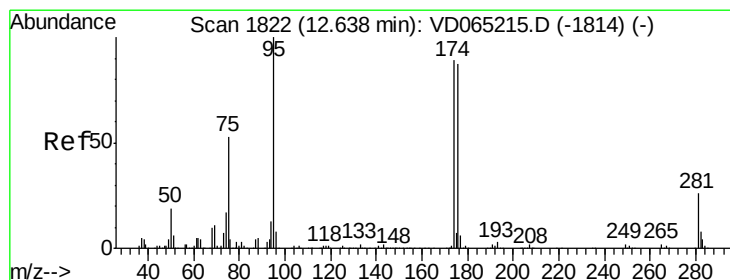
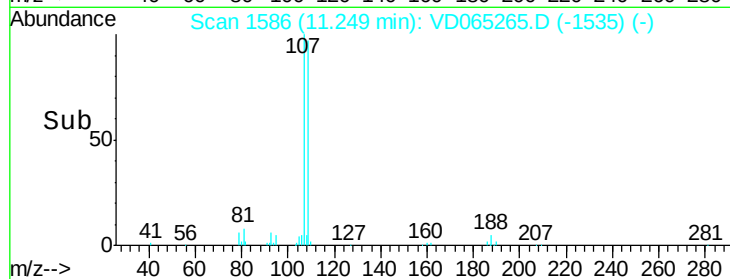
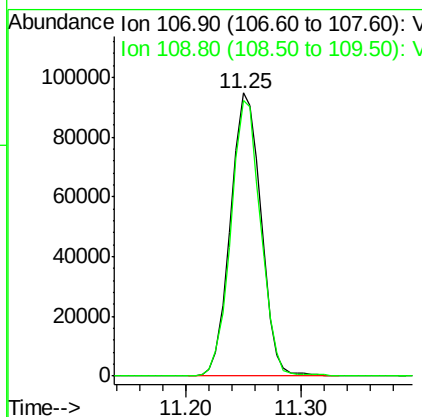
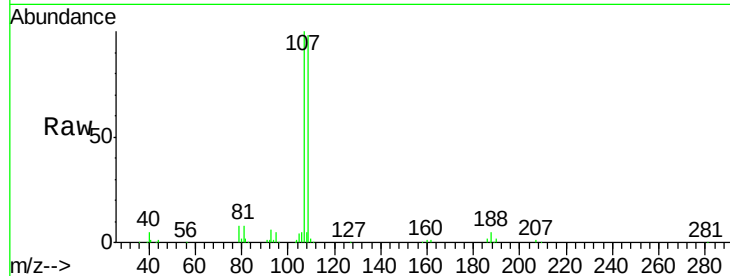
#61
 1,2-Dibromoethane
 Concen: 49.755 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065265.D
 Acq: 20 Feb 2020 19:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 173809
 Ion Ratio Lower Upper
 107 100
 109 95.4 76.2 114.4

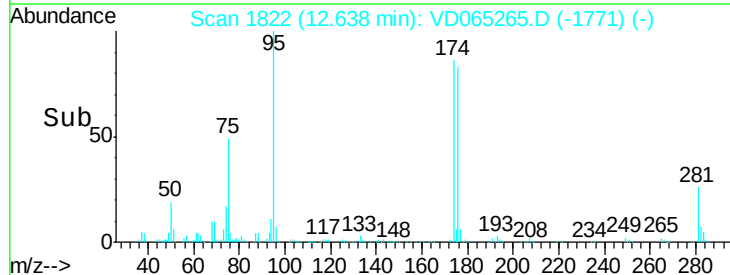
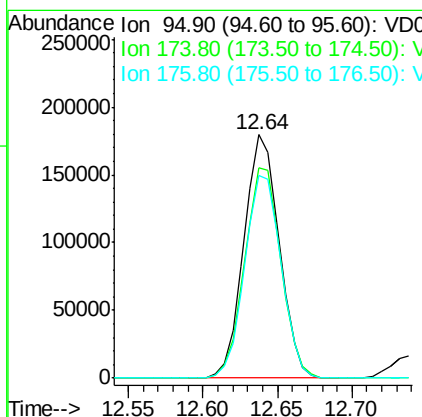
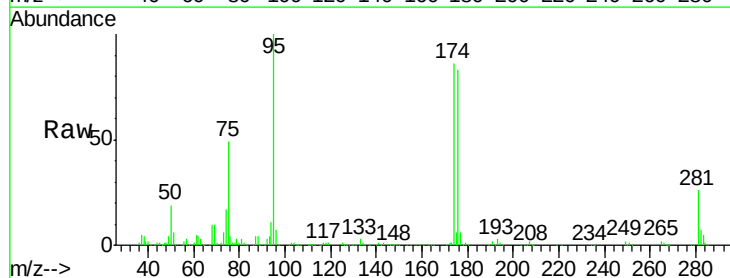
Manual Integrations
 APPROVED

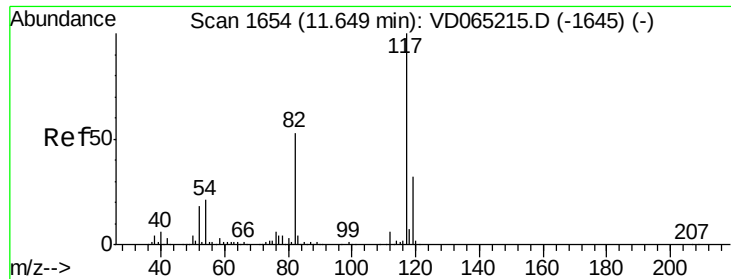
MMDadoda
 2/21/2020 3:22:58 PM



#62
 4-Bromofluorobenzene
 Concen: 53.185 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065265.D
 Acq: 20 Feb 2020 19:49

Tgt Ion: 95 Resp: 292994
 Ion Ratio Lower Upper
 95 100
 174 88.9 0.0 178.0
 176 86.2 0.0 174.4





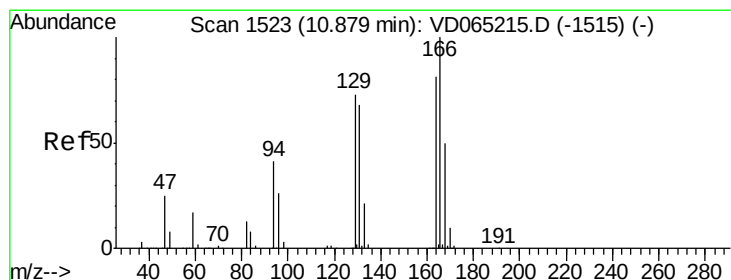
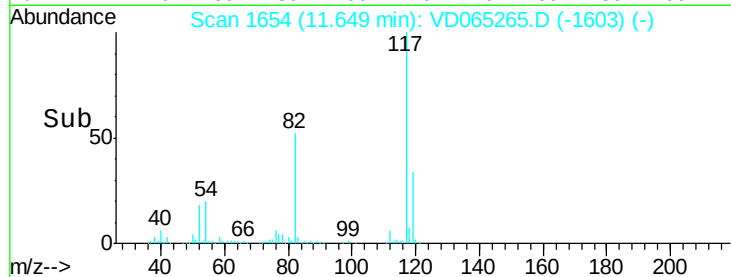
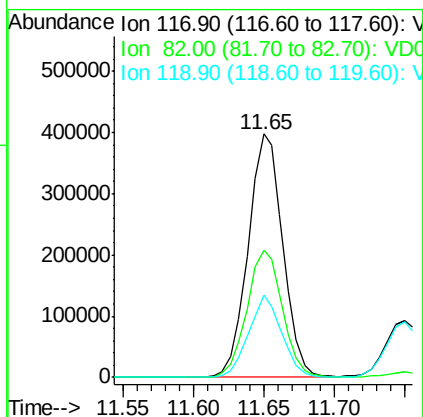
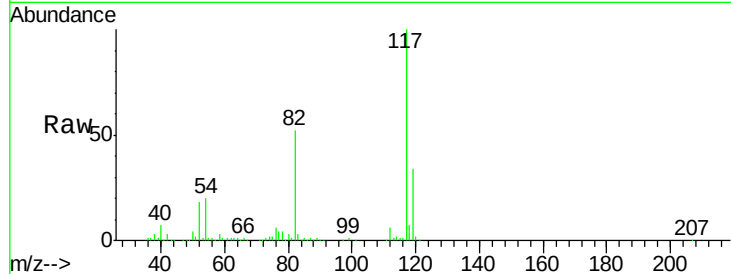
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065265.D
Acq: 20 Feb 2020 19:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	42.7	64.1
119	33.7	25.5	38.3

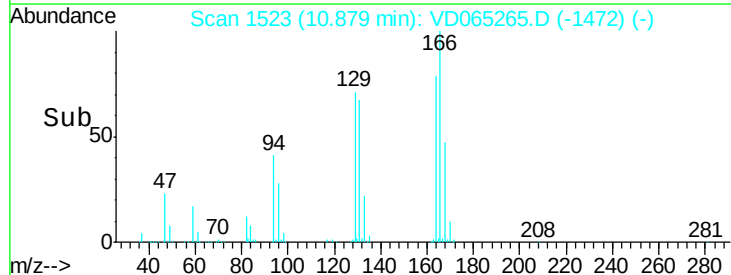
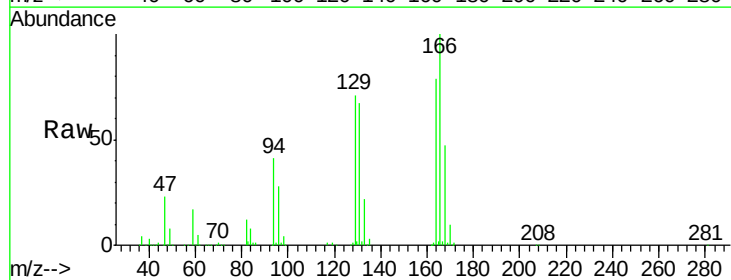
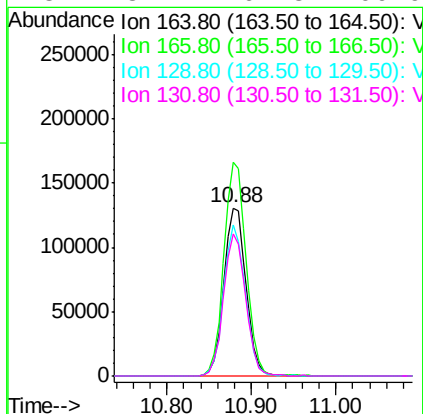
Manual Integrations
APPROVED

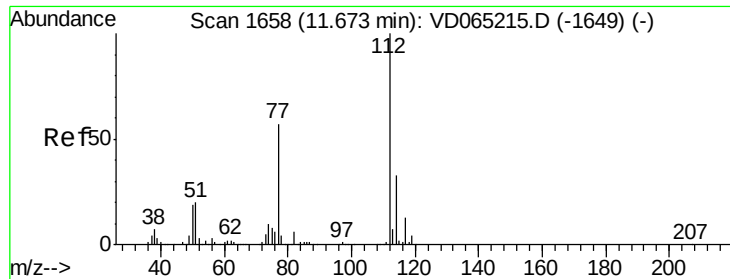
MMDadoda
2/21/2020 3:22:58 PM



#64
Tetrachloroethene
Concen: 48.408 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065265.D
Acq: 20 Feb 2020 19:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	98.4	147.6
129	89.6	71.6	107.4
131	84.7	67.3	100.9





#65

Chlorobenzene

Concen: 48.207 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD065265.D

Acq: 20 Feb 2020 19:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 663512

Ion Ratio Lower Upper

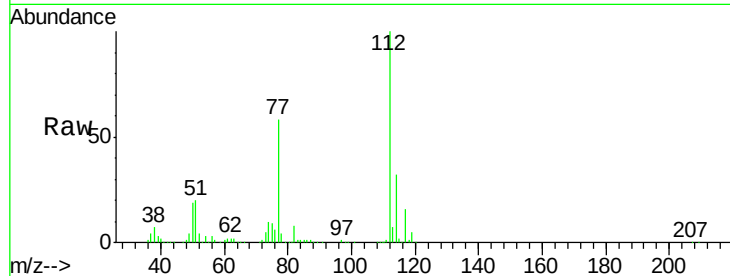
112 100

114 32.1 26.4 39.6

Manual Integrations
APPROVED

MMDadoda

2/21/2020 3:22:58 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.67

400000

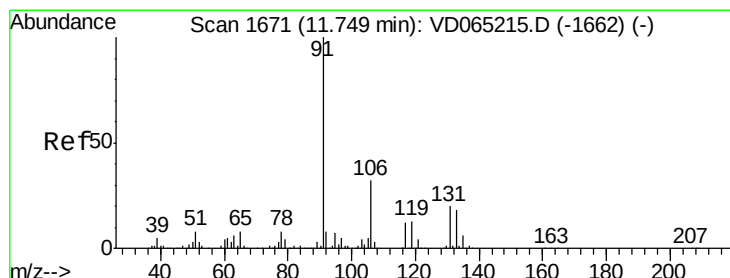
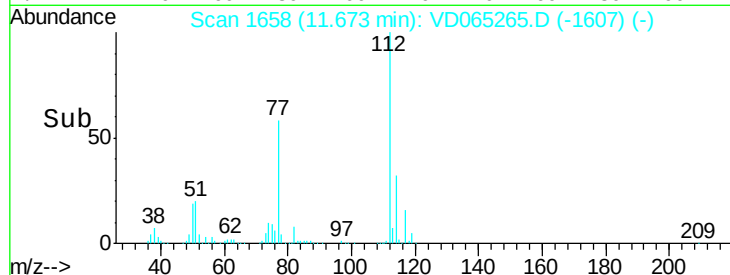
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 48.298 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065265.D

Acq: 20 Feb 2020 19:49

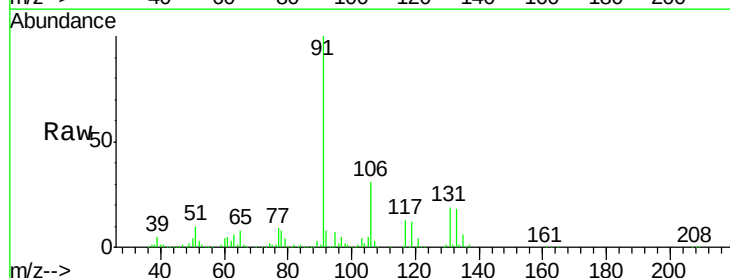
Tgt Ion:131 Resp: 248076

Ion Ratio Lower Upper

131 100

133 94.7 47.7 143.1

119 63.3 32.7 98.1



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.75

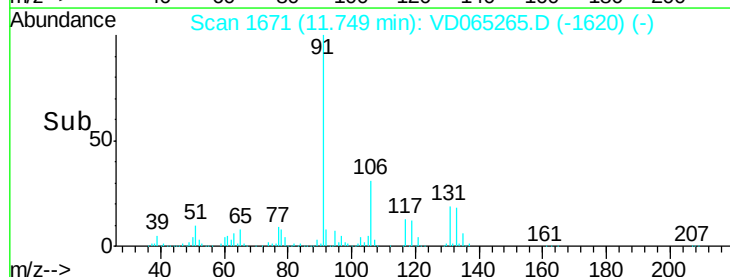
150000

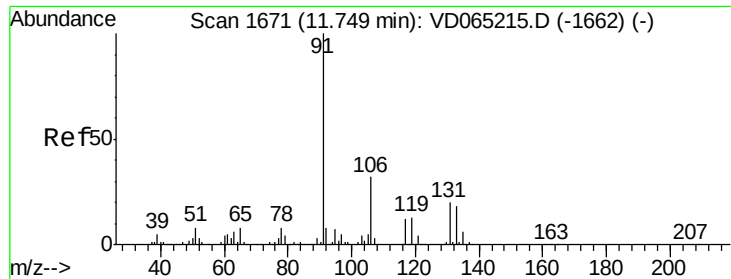
100000

50000

0

Time-->





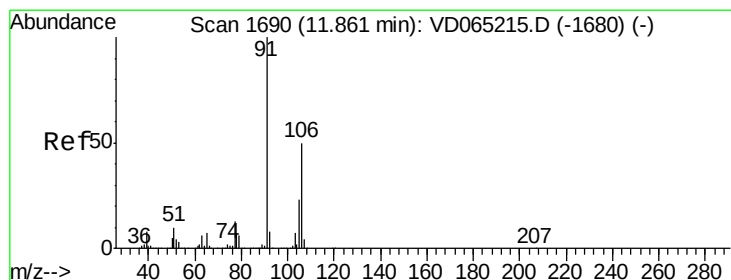
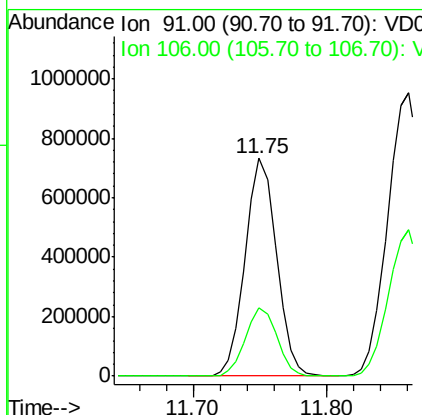
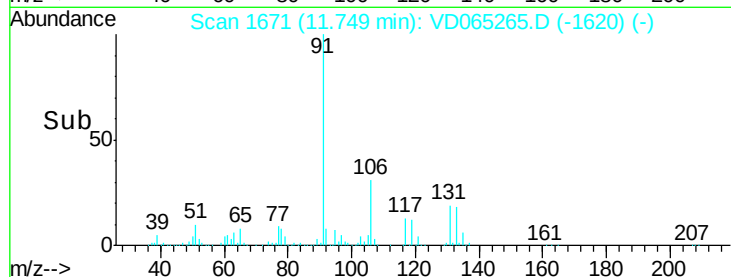
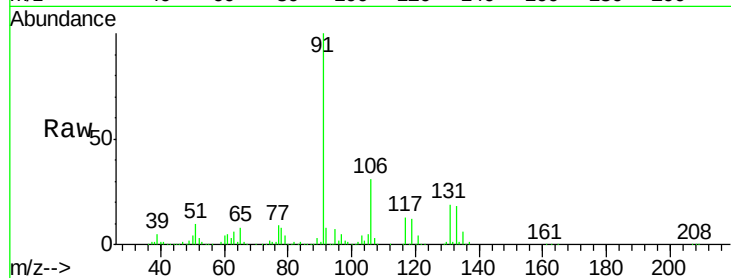
#67
Ethyl Benzene
Concen: 49.489 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065265.D
Acq: 20 Feb 2020 19:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1192995
Ion Ratio Lower Upper
91 100
106 31.5 25.2 37.8

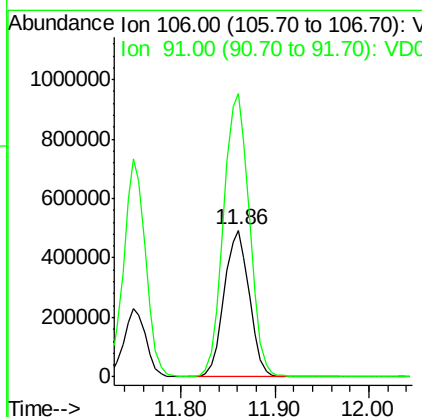
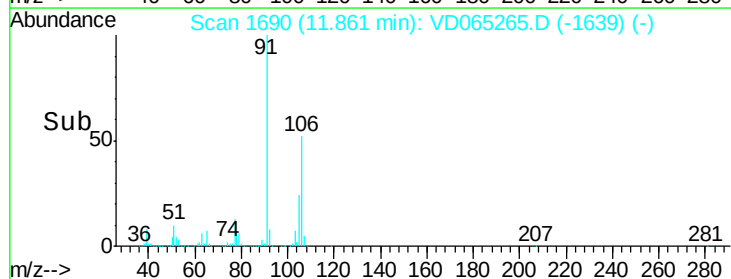
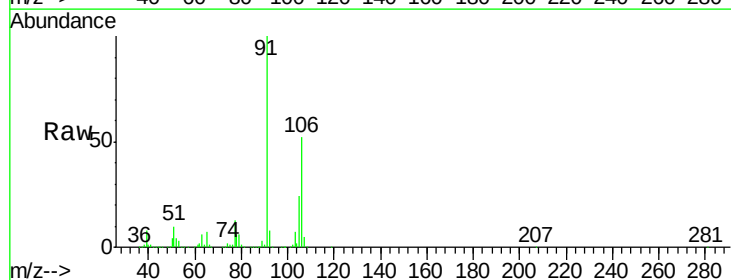
Manual Integrations
APPROVED

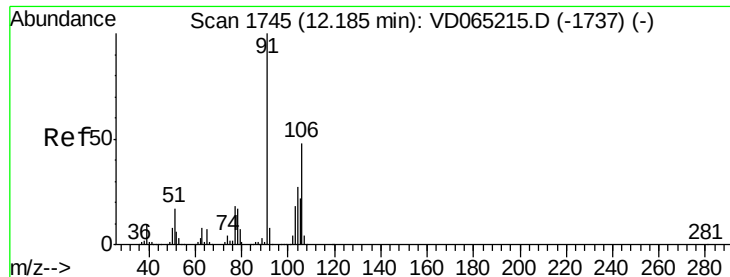
MMDadoda
2/21/2020 3:22:58 PM



#68
m/p-Xylenes
Concen: 99.247 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD065265.D
Acq: 20 Feb 2020 19:49

Tgt Ion: 106 Resp: 915330
Ion Ratio Lower Upper
106 100
91 199.1 158.2 237.4





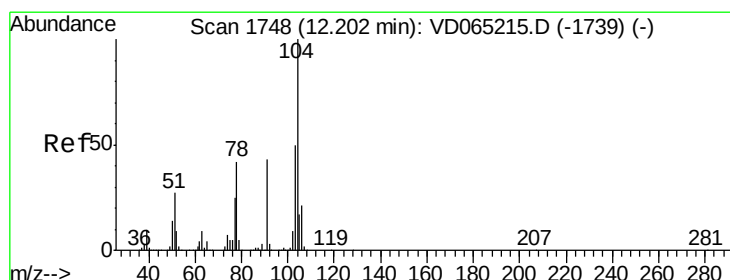
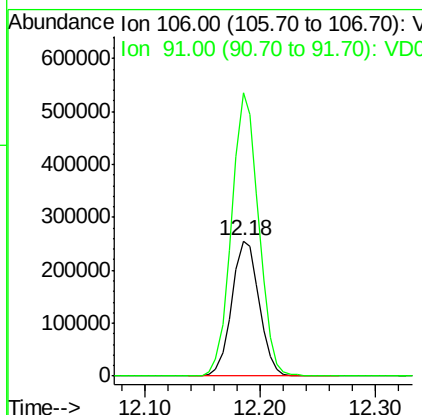
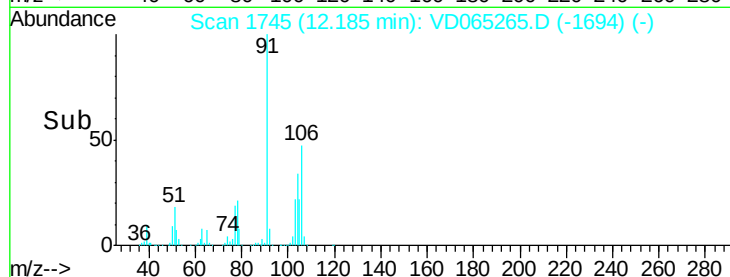
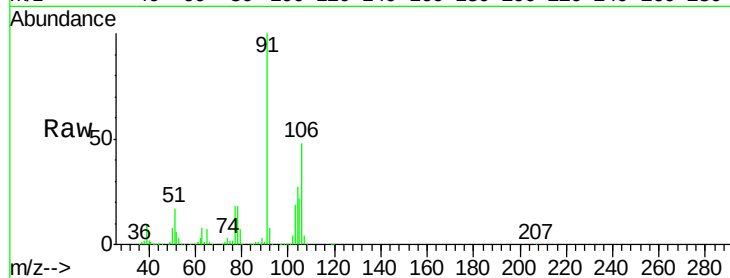
#69
o-Xylene
Concen: 51.372 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065265.D
Acq: 20 Feb 2020 19:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	206.9	104.7	313.9		

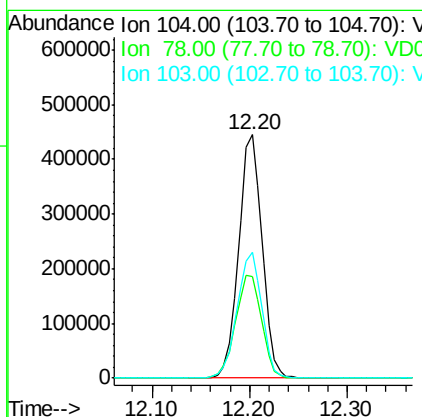
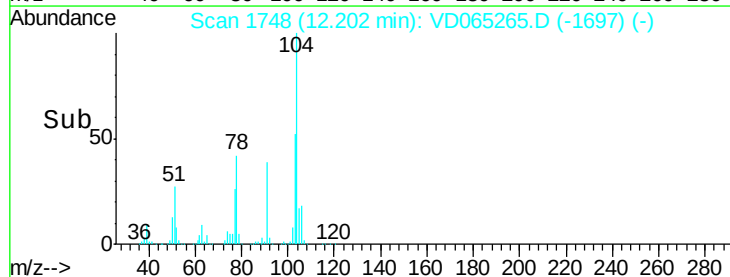
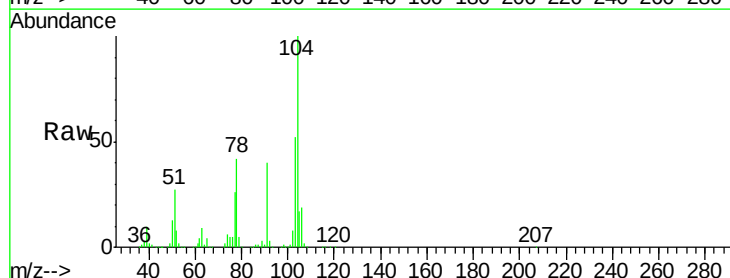
Manual Integrations
APPROVED

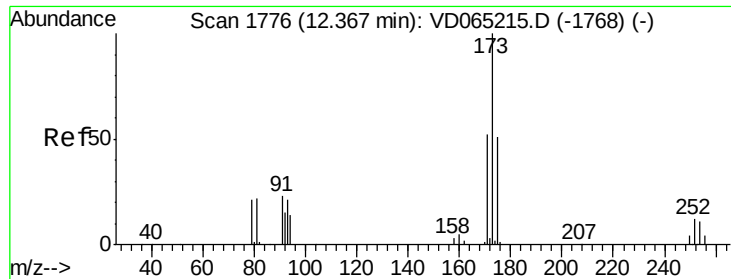
MMDadoda
2/21/2020 3:22:58 PM



#70
Styrene
Concen: 51.182 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065265.D
Acq: 20 Feb 2020 19:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	47.0	37.8	56.6		
103	54.7	43.4	65.2		





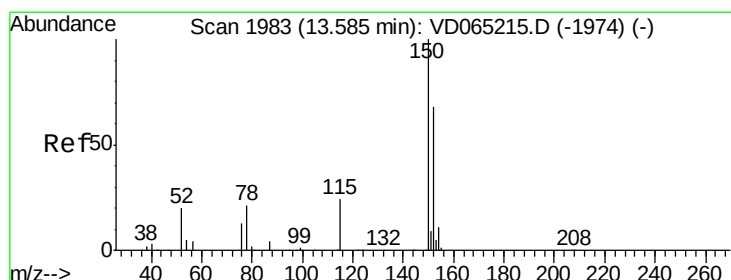
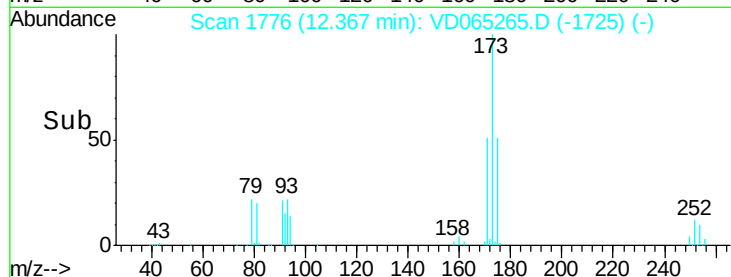
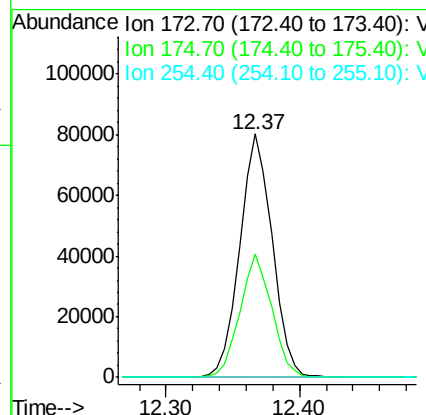
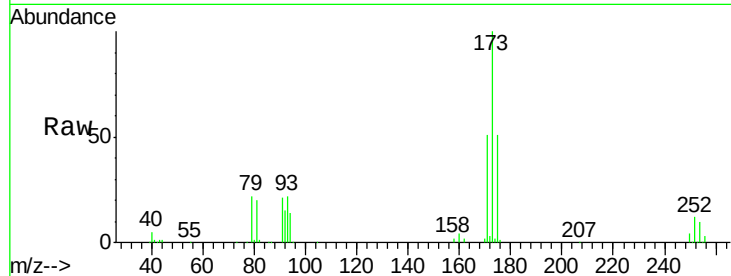
#71
Bromoform
Concen: 47.360 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065265.D
Acq: 20 Feb 2020 19:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.4	73.4
254	0.1	0.0	0.0

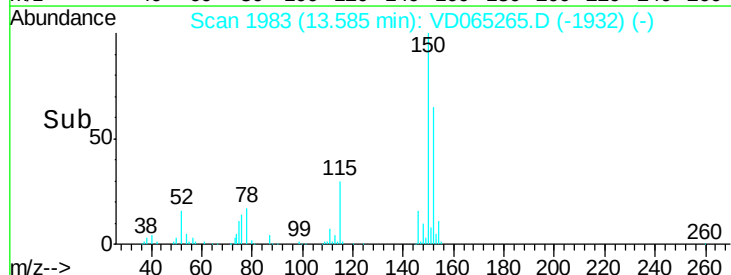
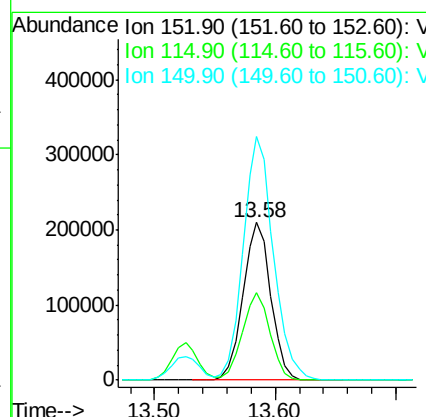
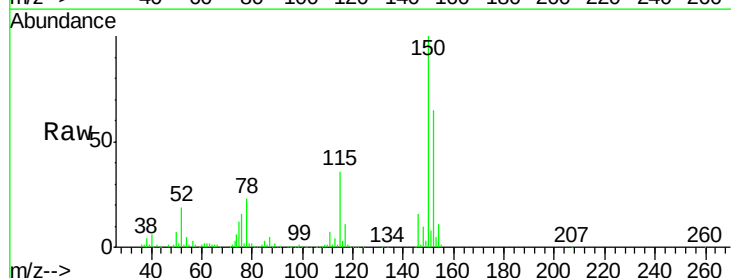
Manual Integrations
APPROVED

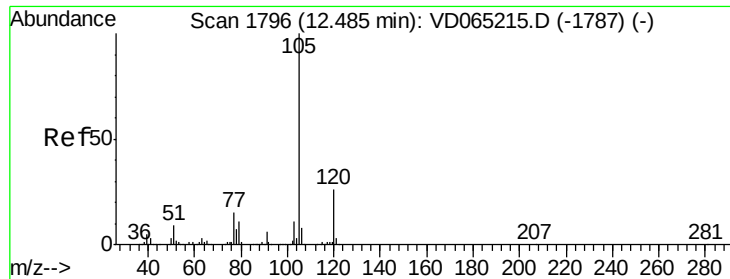
MMDadoda
2/21/2020 3:22:58 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065265.D
Acq: 20 Feb 2020 19:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	27.6	82.8
150	168.3	0.0	347.4





#73

Isopropylbenzene

Concen: 50.462 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065265.D

Acq: 20 Feb 2020 19:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1119602

Ion Ratio Lower Upper

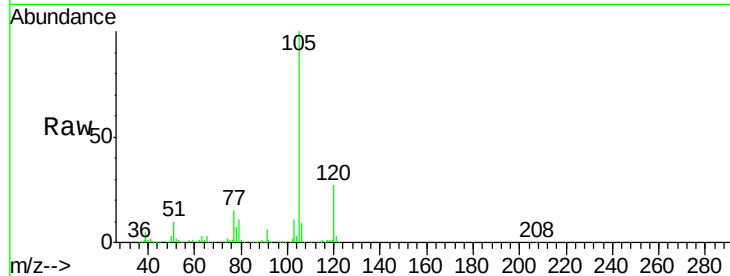
105 100

120 26.7 13.3 39.9

Manual Integrations
APPROVED

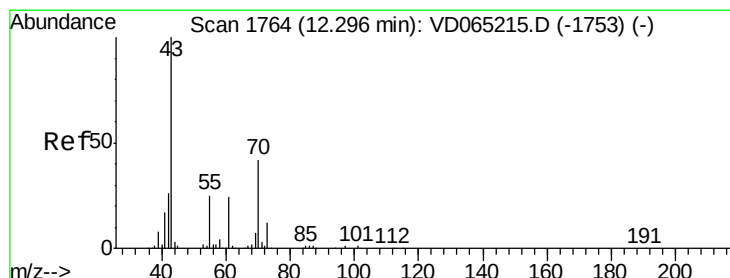
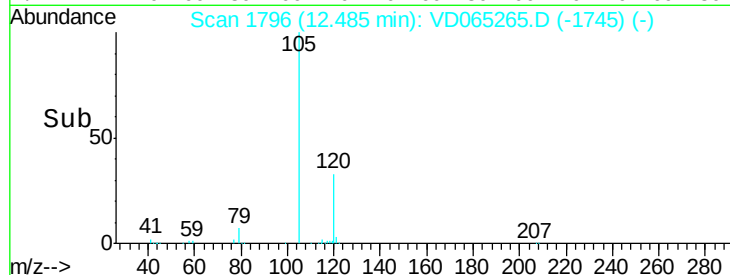
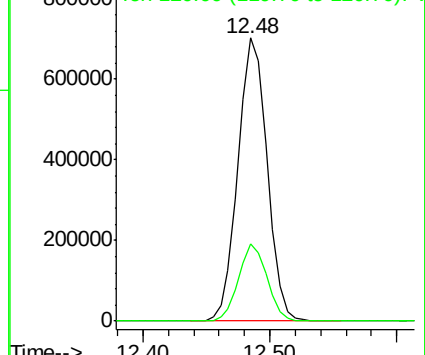
MMDadoda

2/21/2020 3:22:58 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.288 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065265.D

Acq: 20 Feb 2020 19:49

Tgt Ion: 43 Resp: 252852

Ion Ratio Lower Upper

43 100

70 43.0 33.7 50.5

55 26.8 20.7 31.1

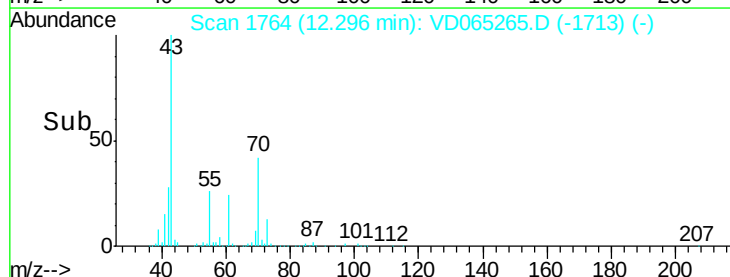
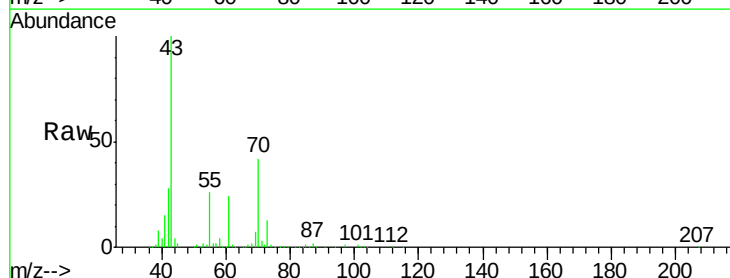
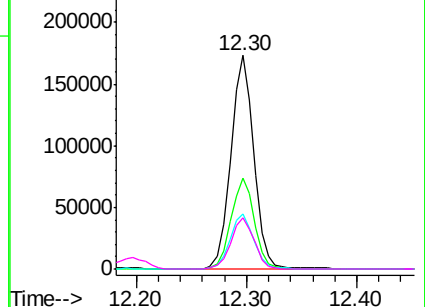
61 24.2 19.0 28.4

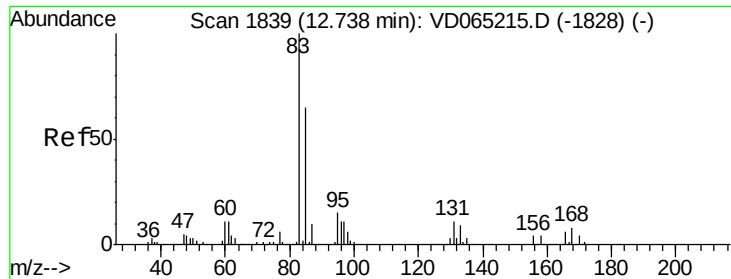
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 48.335 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065265.D

Acq: 20 Feb 2020 19:49

Instrument :

MSVOA_D

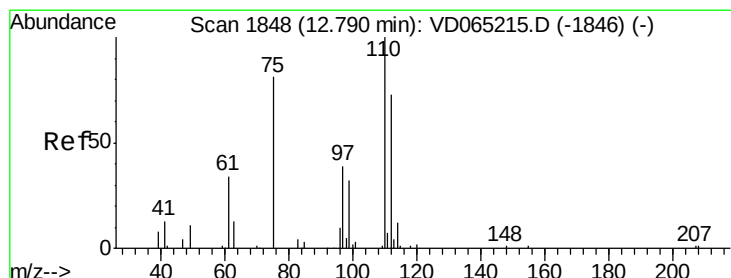
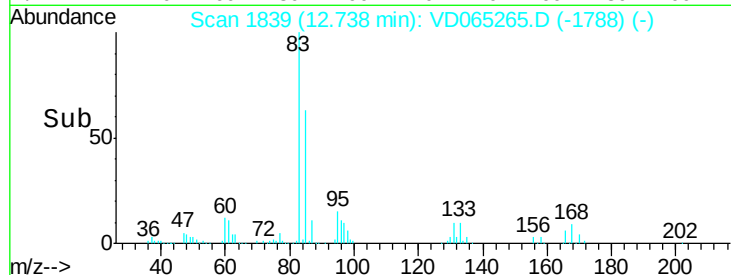
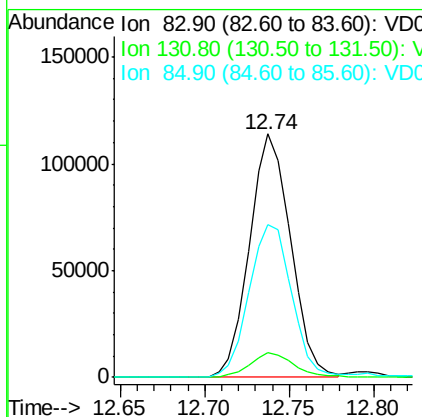
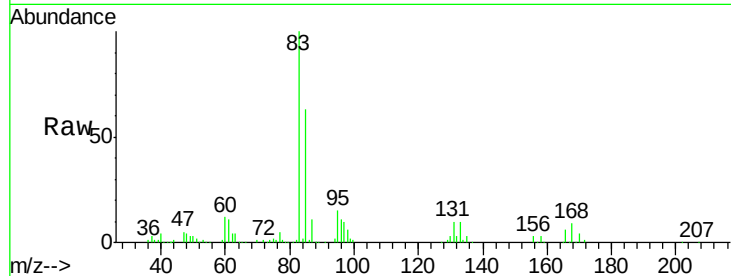
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	193545
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.4	16.2
85	64.7	31.6	94.8

Manual Integrations
APPROVED

MMDadoda
2/21/2020 3:22:58 PM



#76

1,2,3-Trichloropropane

Concen: 45.664 ug/l m

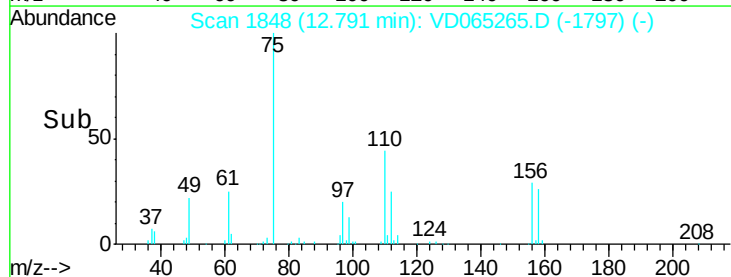
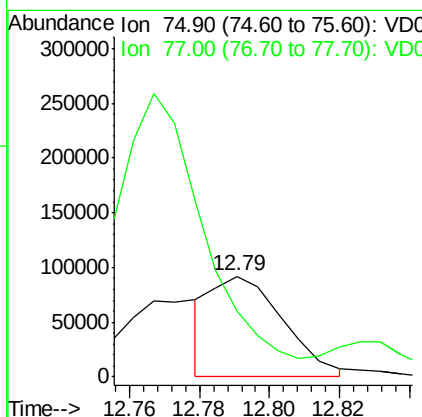
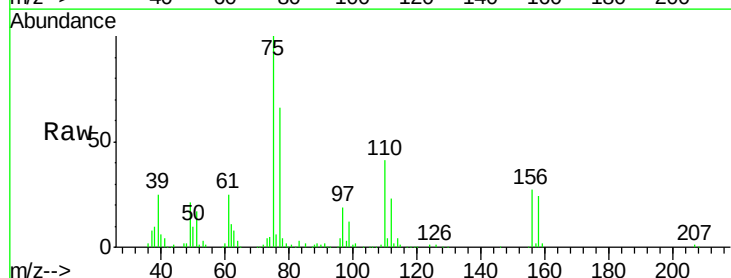
RT: 12.79 min Scan# 1848

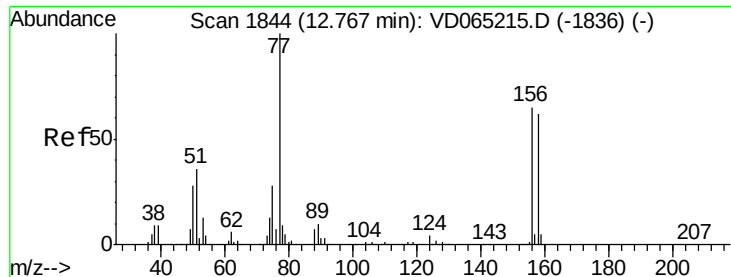
Delta R.T. 0.00 min

Lab File: VD065265.D

Acq: 20 Feb 2020 19:49

Tgt Ion:	75	Resp:	130203
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.773 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065265.D

Acq: 20 Feb 2020 19:49

Instrument :

MSVOA_D

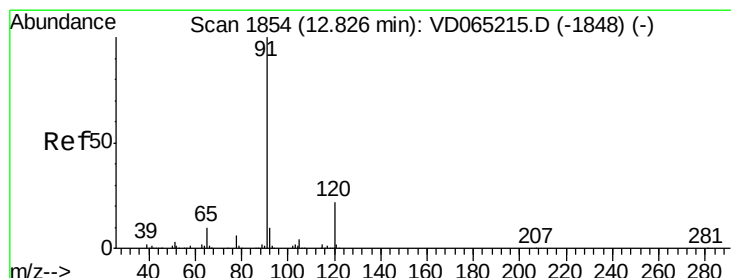
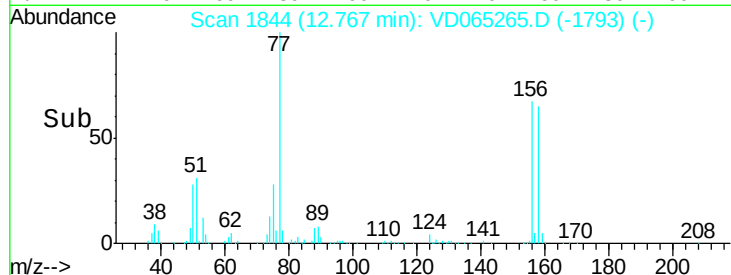
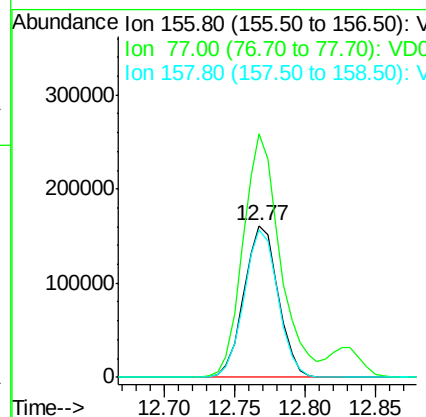
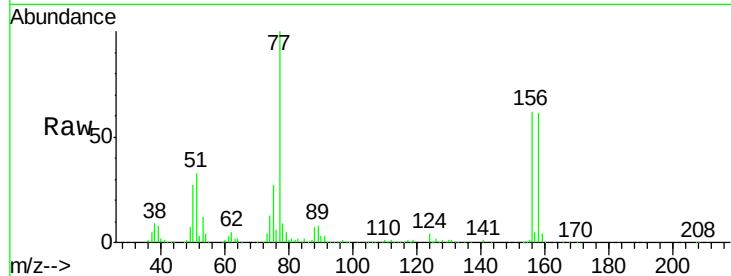
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	274216
Ion Ratio	Lower	Upper	
156	100		
77	172.8	86.6	259.7
158	96.1	48.1	144.3

Manual Integrations
APPROVED

MMDadoda
2/21/2020 3:22:58 PM



#78

n-propylbenzene

Concen: 50.240 ug/l

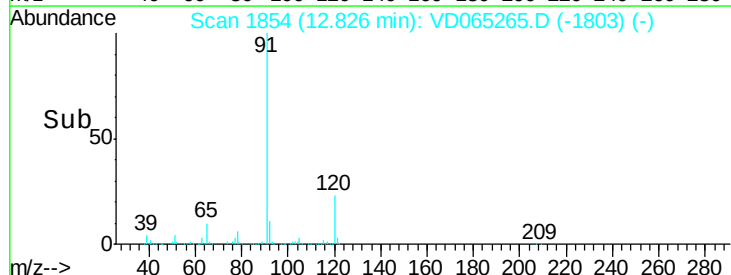
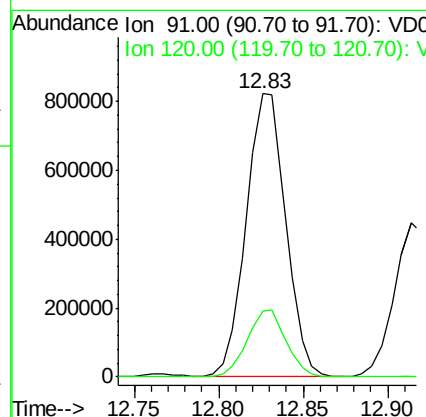
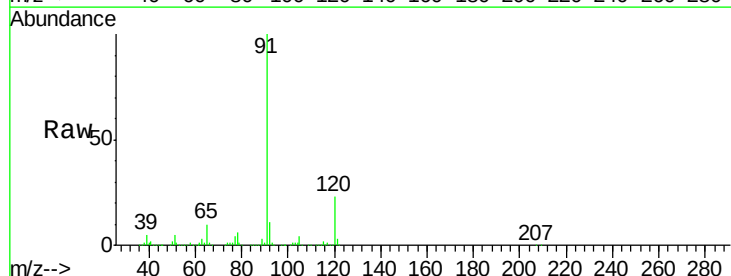
RT: 12.83 min Scan# 1854

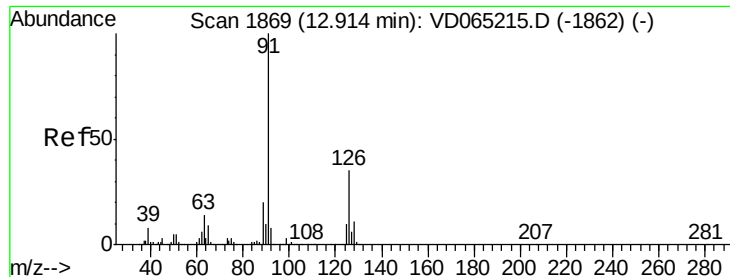
Delta R.T. 0.00 min

Lab File: VD065265.D

Acq: 20 Feb 2020 19:49

Tgt Ion:	91	Resp:	1339522
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.5	34.5





#79

2-Chlorotoluene

Concen: 49.228 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065265.D

Acq: 20 Feb 2020 19:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 735289

Ion Ratio Lower Upper

91 100

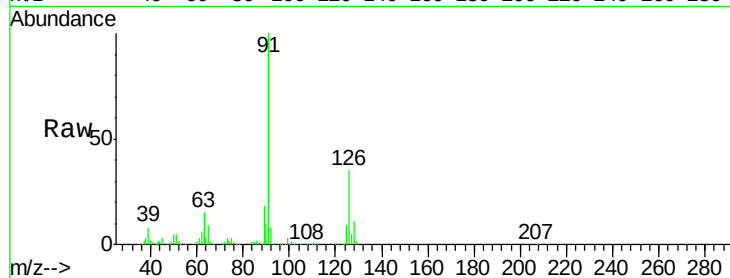
126 34.9 17.5 52.6

Manual Integrations

APPROVED

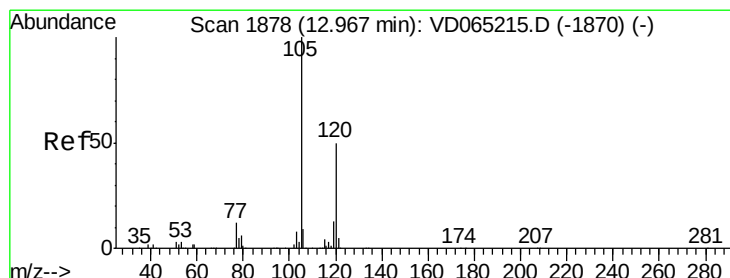
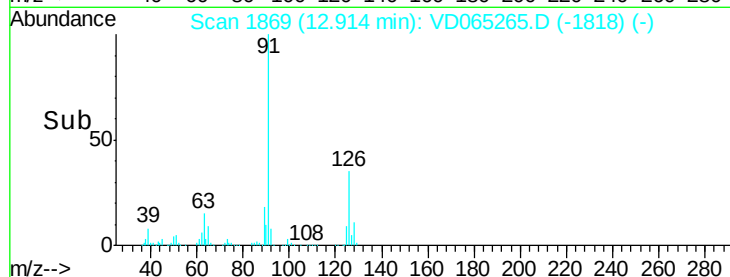
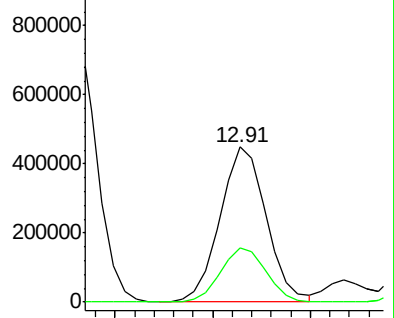
MMDadoda

2/21/2020 3:22:58 PM



Abundance Ion 91.00 (90.70 to 91.70): VD065215.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065215.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.574 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065265.D

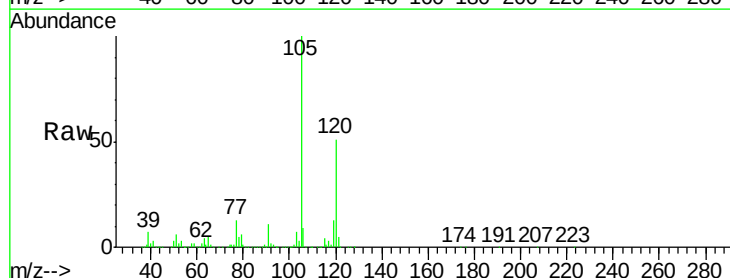
Acq: 20 Feb 2020 19:49

Tgt Ion: 105 Resp: 924173

Ion Ratio Lower Upper

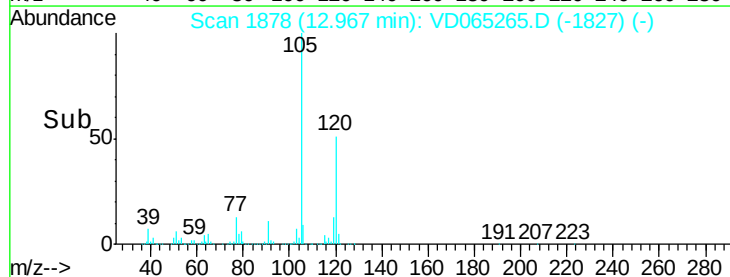
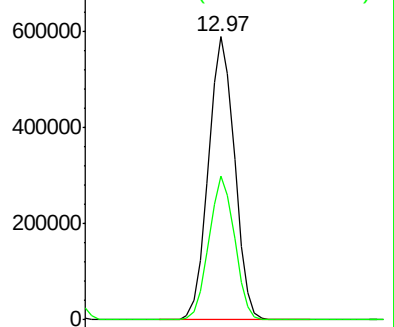
105 100

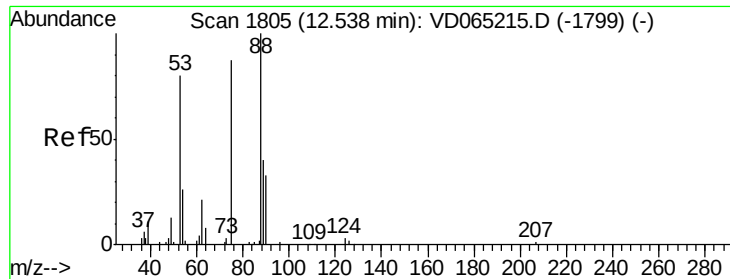
120 49.8 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): VD065215.D (-1870) (-)

Ion 120.00 (119.70 to 120.70): VD065215.D (-1870) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 46.710 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065265.D

Acq: 20 Feb 2020 19:49

Instrument :

MSVOA_D

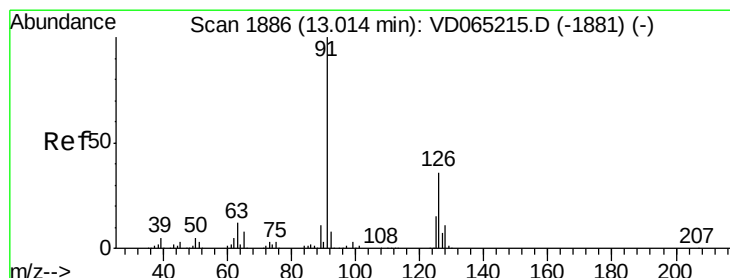
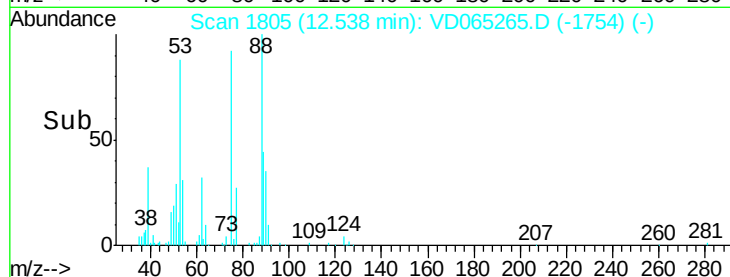
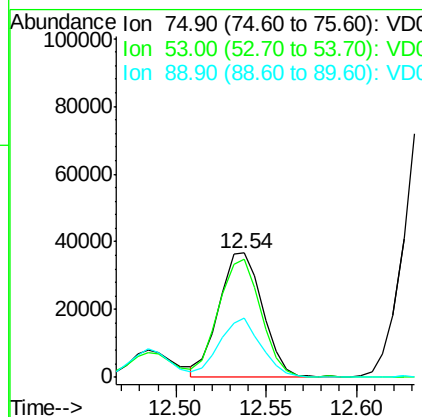
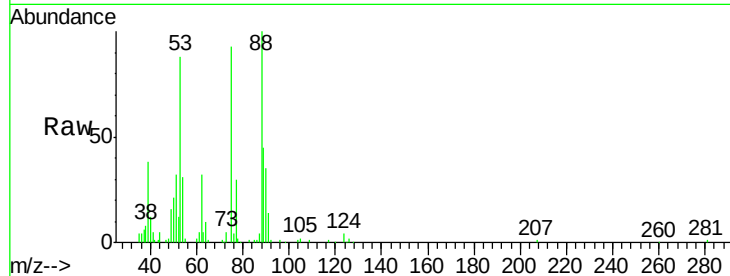
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	61684
Ion	Ratio	Lower	Upper
75	100		
53	92.7	77.6	116.4
89	45.3	37.2	55.8

Manual Integrations
APPROVED

MMDadoda
2/21/2020 3:22:58 PM



#82

4-Chlorotoluene

Concen: 49.059 ug/l

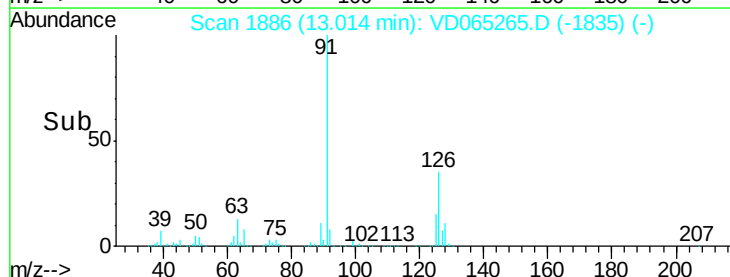
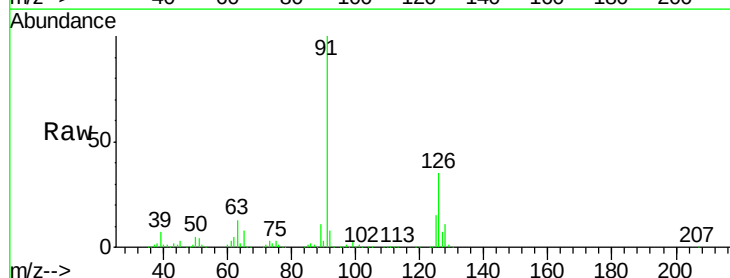
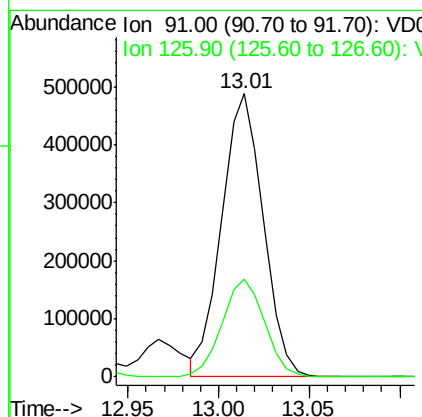
RT: 13.01 min Scan# 1886

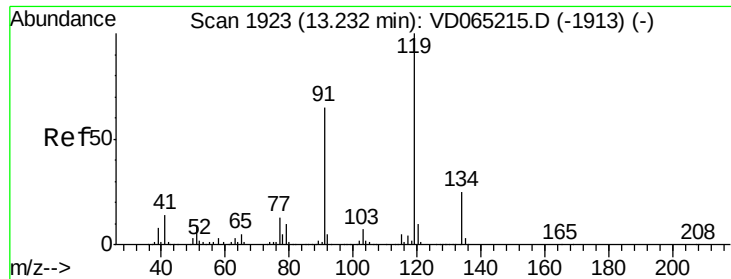
Delta R.T. 0.00 min

Lab File: VD065265.D

Acq: 20 Feb 2020 19:49

Tgt Ion:	91	Resp:	777930
Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.4	52.3





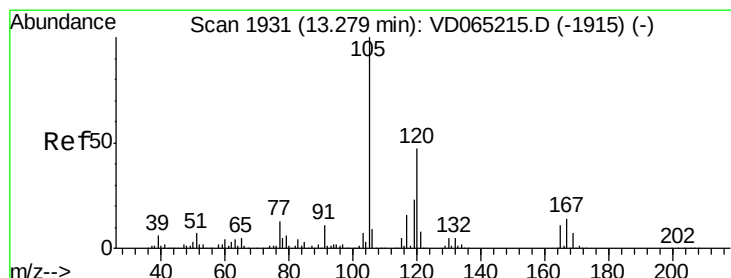
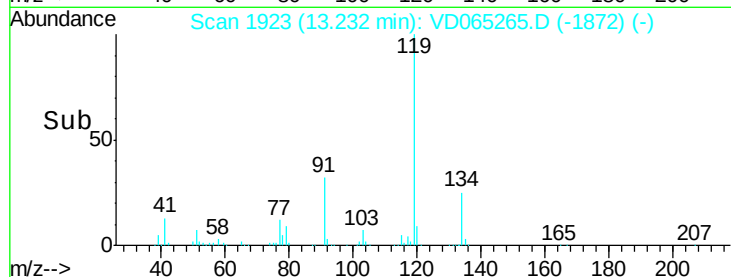
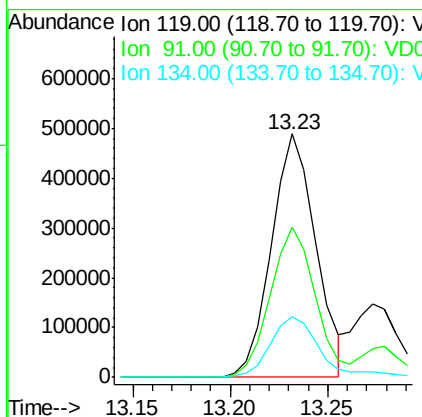
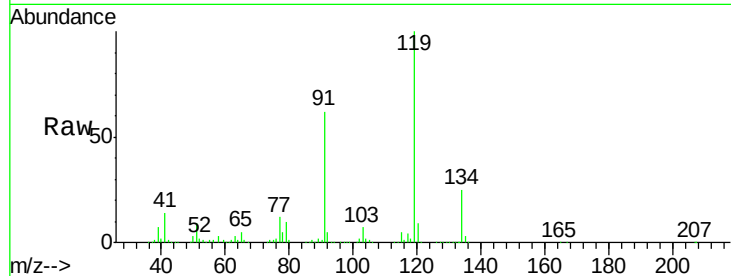
#83
tert-Butylbenzene
Concen: 50.401 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065265.D
Acq: 20 Feb 2020 19:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	771926		
91	62.5		31.9	95.5
134	27.8		13.8	41.3

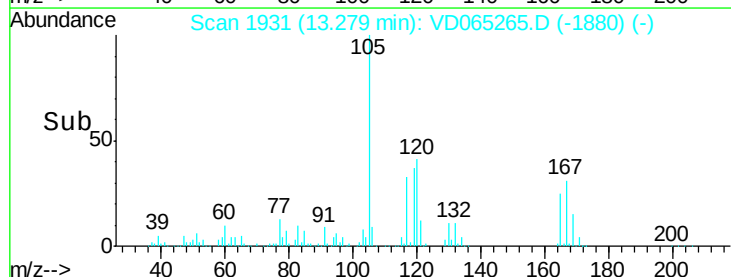
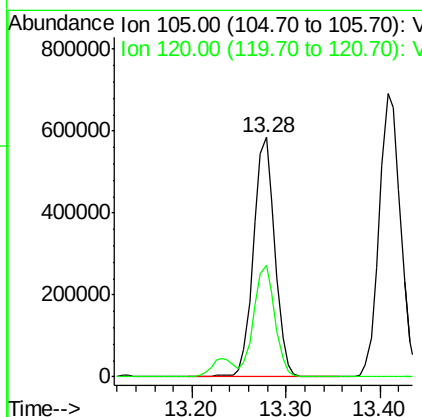
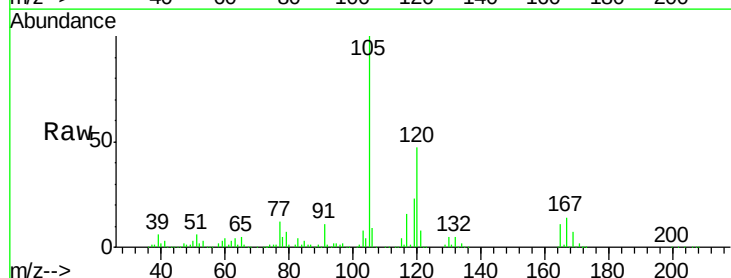
Manual Integrations
APPROVED

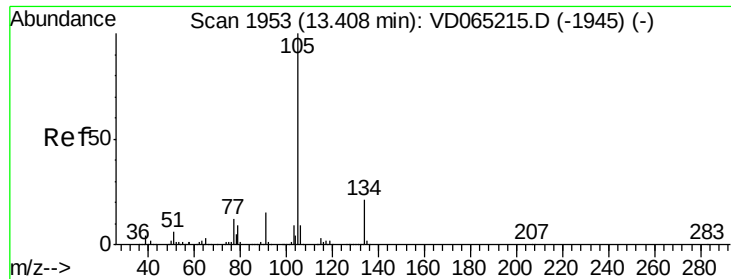
MMDadoda
2/21/2020 3:22:58 PM



#84
1,2,4-Trimethylbenzene
Concen: 50.275 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065265.D
Acq: 20 Feb 2020 19:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	919548		
120	46.1		23.3	69.9





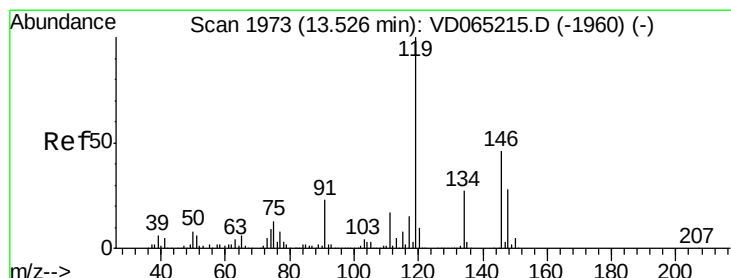
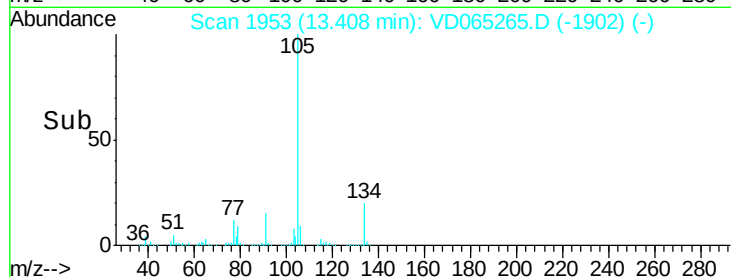
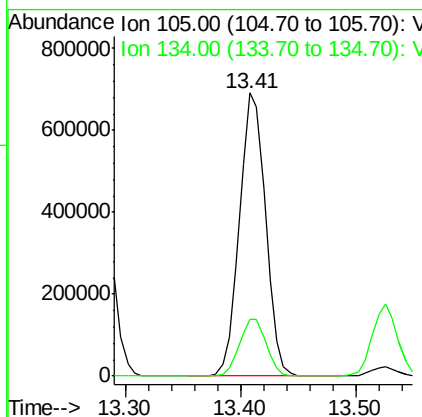
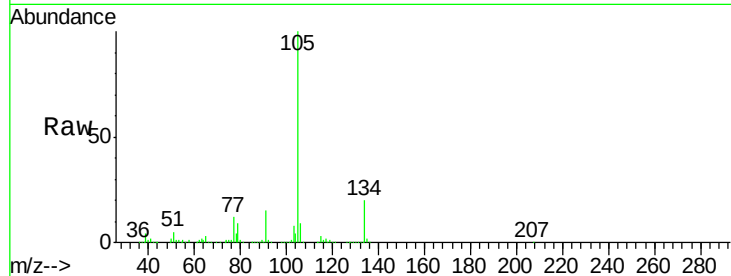
#85
 sec-Butylbenzene
 Concen: 49.198 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065265.D
 Acq: 20 Feb 2020 19:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.3	30.9

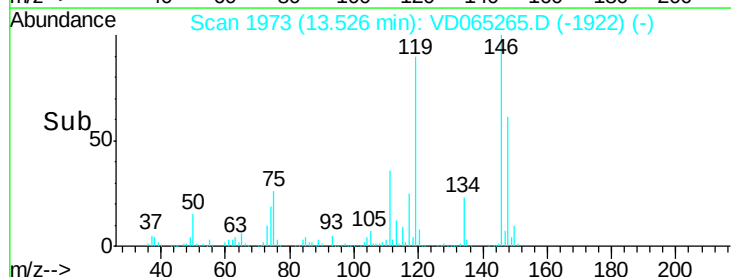
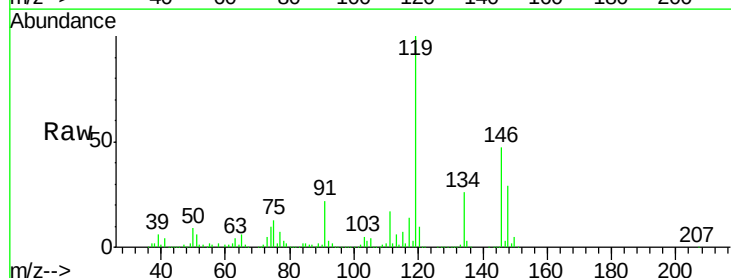
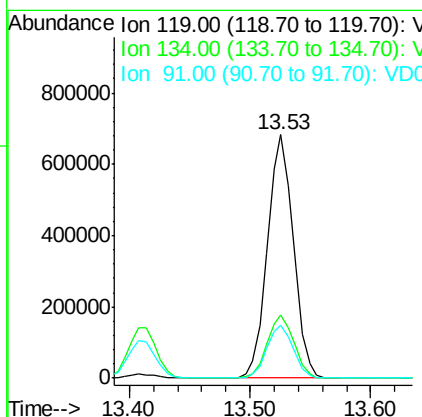
Manual Integrations
 APPROVED

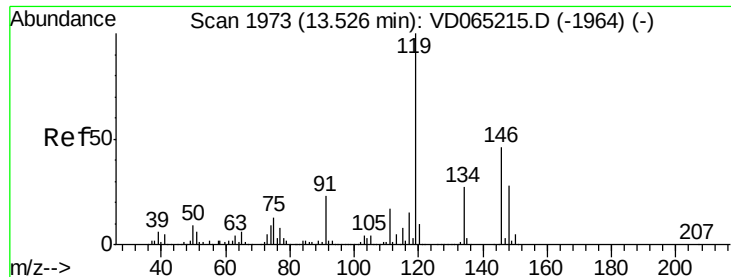
MMDadoda
 2/21/2020 3:22:58 PM



#86
 p-Isopropyltoluene
 Concen: 50.020 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065265.D
 Acq: 20 Feb 2020 19:49

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.3	39.8
91	21.8	11.1	33.1





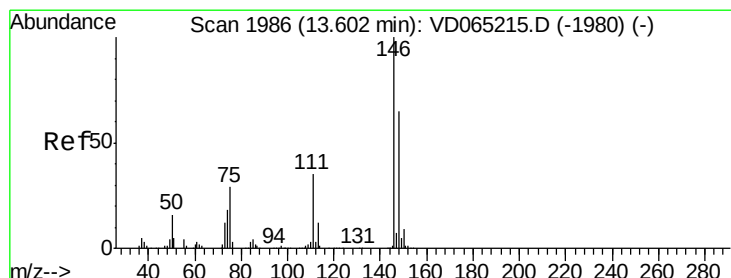
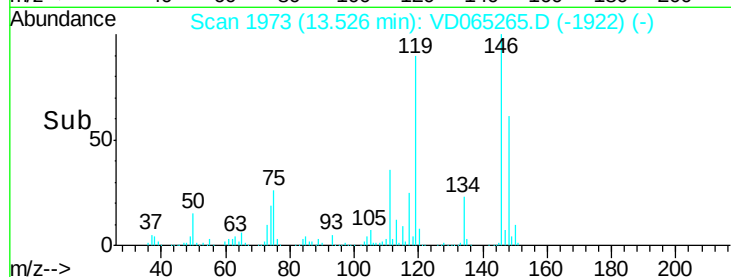
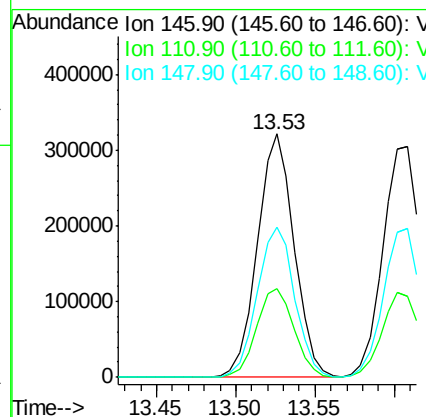
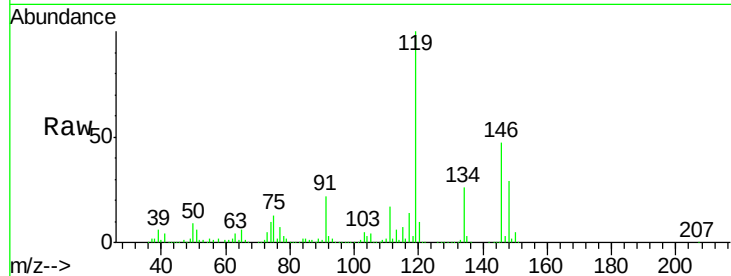
#87
 1,3-Dichlorobenzene
 Concen: 48.639 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065265.D
 Acq: 20 Feb 2020 19:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.6	55.8
148	63.1	31.4	94.3

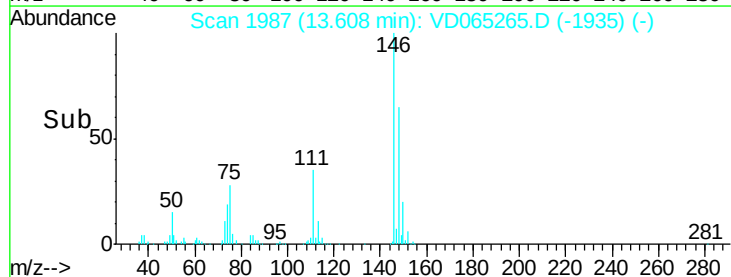
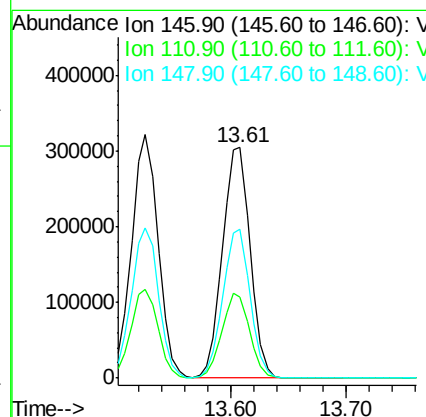
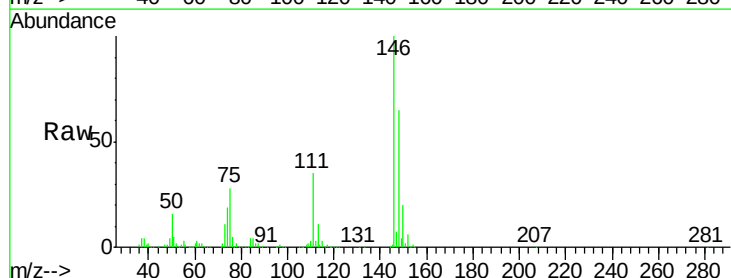
Manual Integrations
 APPROVED

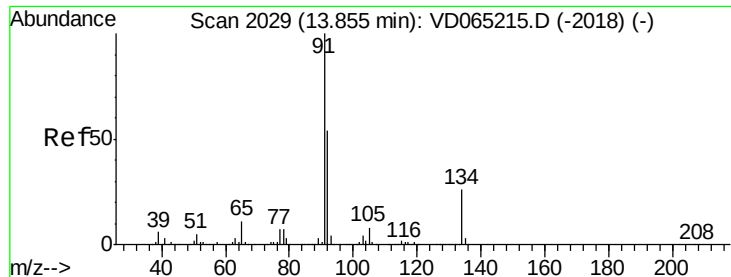
MMDadoda
 2/21/2020 3:22:58 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.157 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: VD065265.D
 Acq: 20 Feb 2020 19:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.4	55.2
148	63.4	32.1	96.5





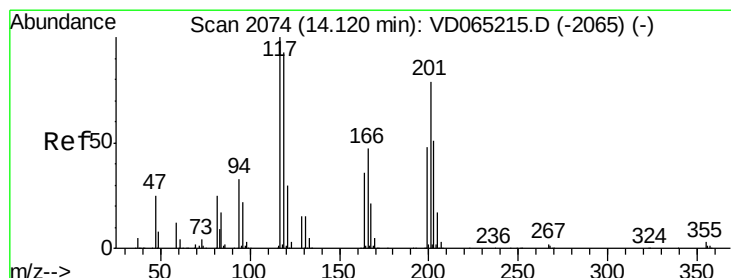
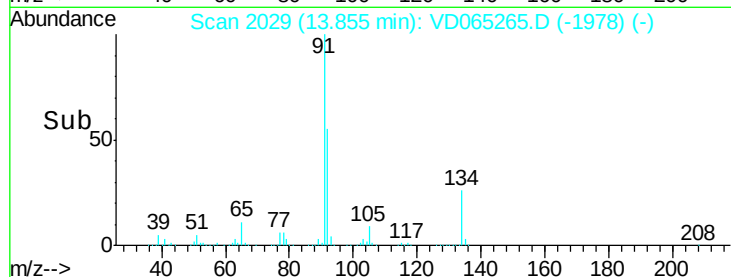
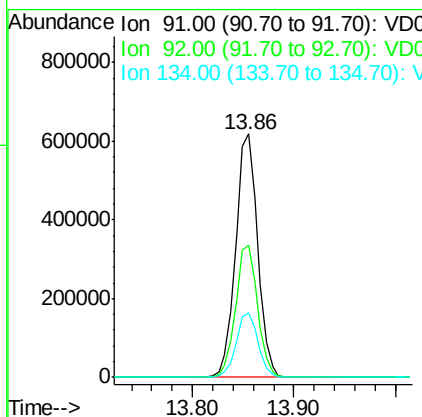
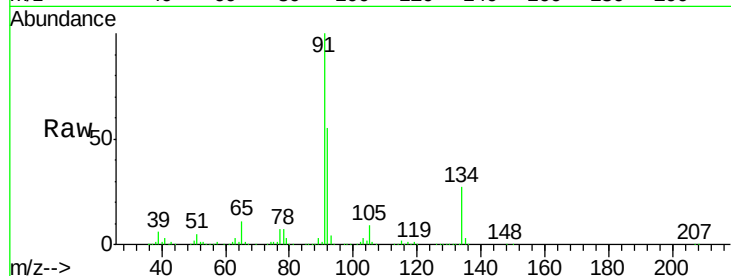
#89
n-Butylbenzene
Concen: 49.917 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065265.D
Acq: 20 Feb 2020 19:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.1	27.0	80.8	
134	26.5	13.5	40.4	

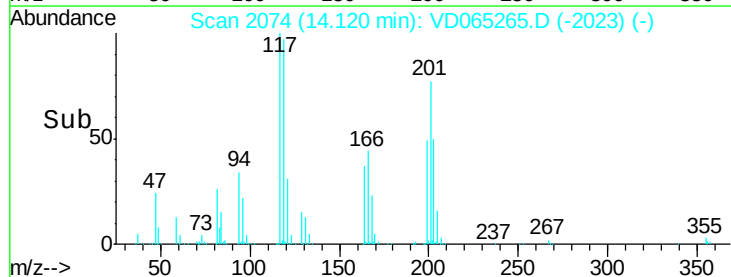
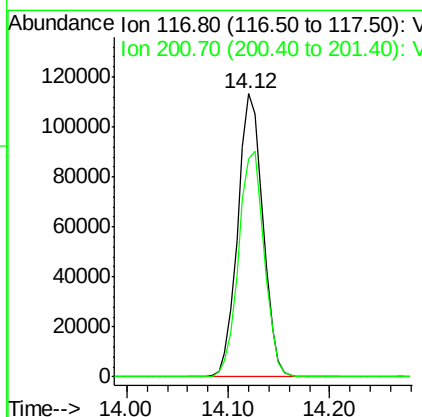
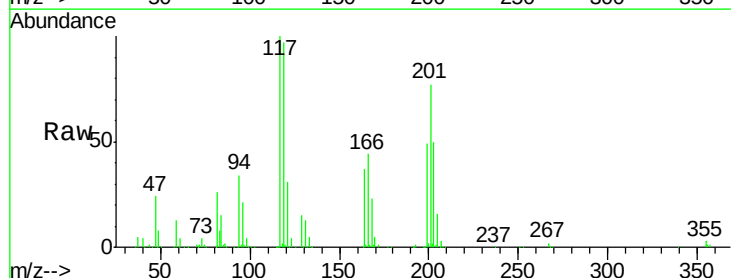
Manual Integrations
APPROVED

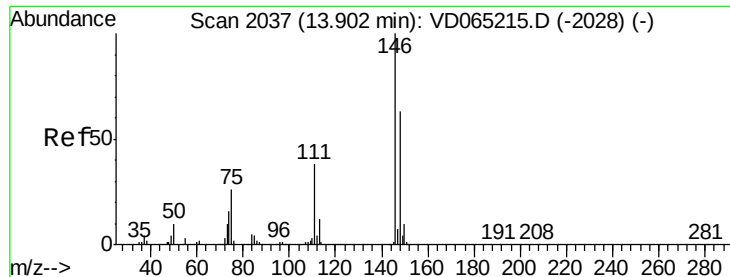
MMDadoda
2/21/2020 3:22:58 PM



#90
Hexachloroethane
Concen: 47.650 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065265.D
Acq: 20 Feb 2020 19:49

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	81.3	41.3	124.1	





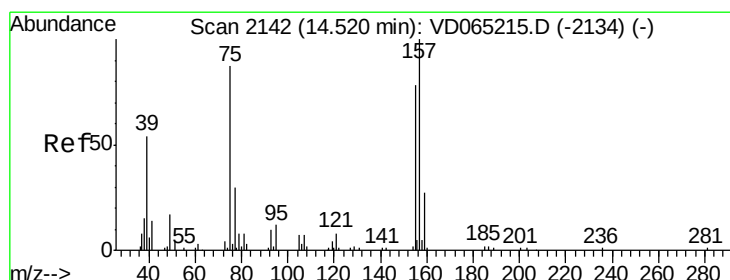
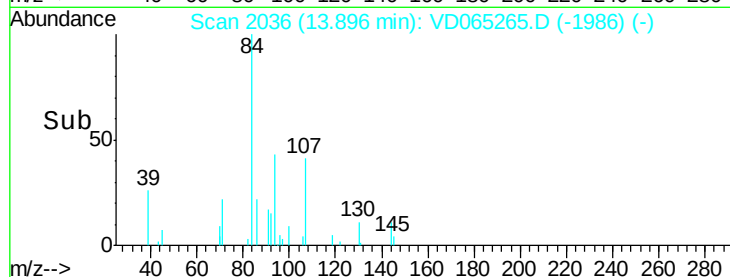
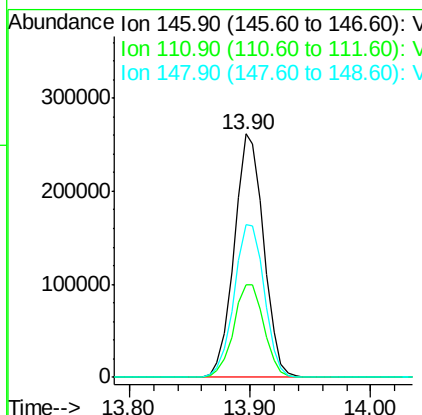
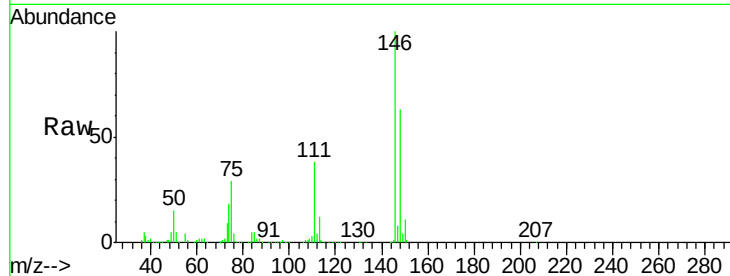
#91
 1,2-Dichlorobenzene
 Concen: 48.547 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065265.D
 Acq: 20 Feb 2020 19:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.0
148	64.8	32.0	96.2

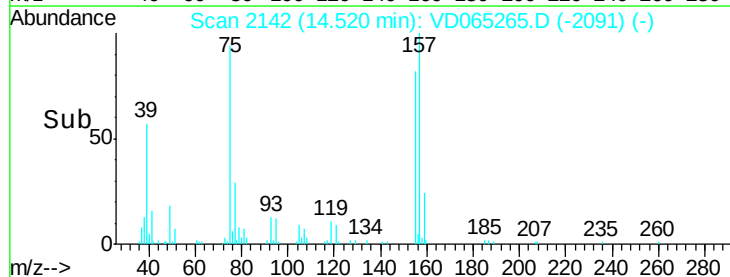
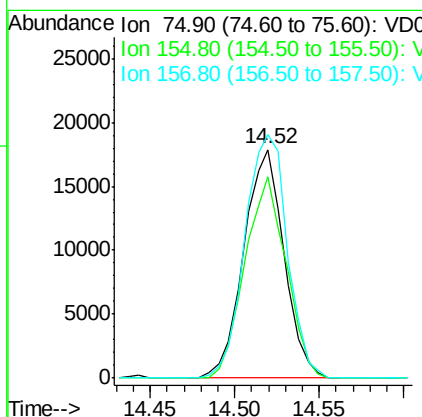
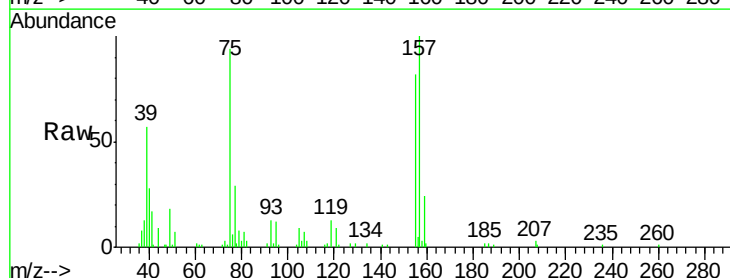
Manual Integrations
 APPROVED

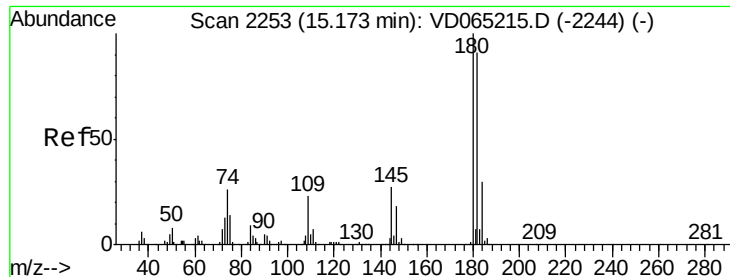
MMDadoda
 2/21/2020 3:22:58 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.962 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065265.D
 Acq: 20 Feb 2020 19:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.7	42.3	126.9
157	111.7	56.7	170.1





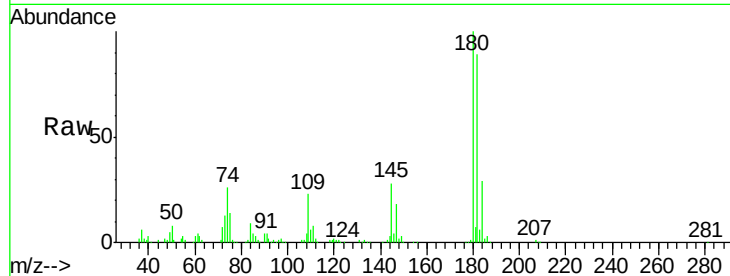
#93
 1,2,4-Trichlorobenzene
 Concen: 51.938 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065265.D
 Acq: 20 Feb 2020 19:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

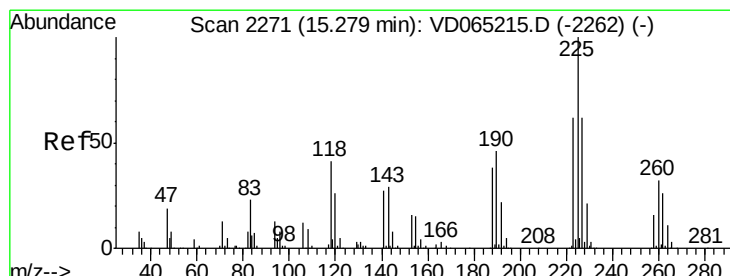
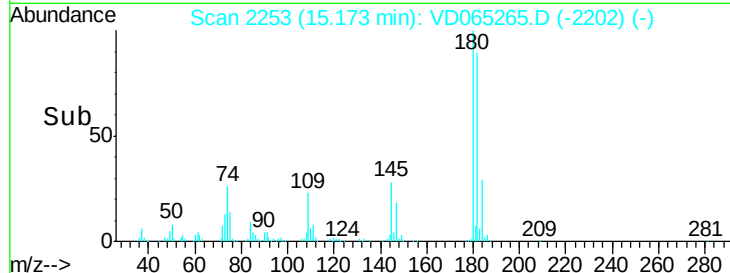
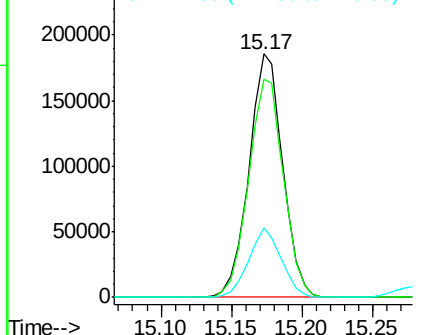
Tot Ion:	180	Resp:	310691
Ion Ratio	Lower	Upper	
180	100		
182	92.8	46.9	140.6
145	27.5	13.9	41.7

Manual Integrations
 APPROVED

MMDadoda
 2/21/2020 3:22:58 PM

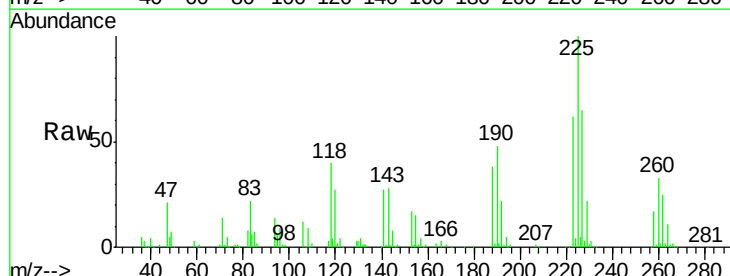


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

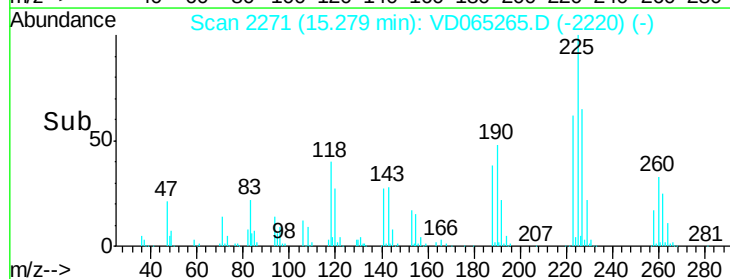
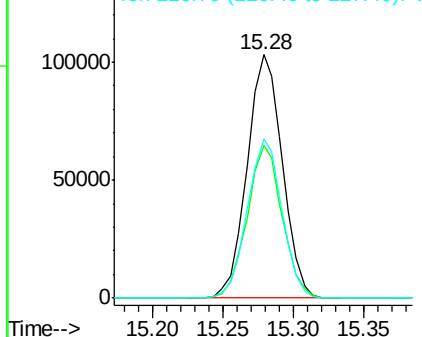


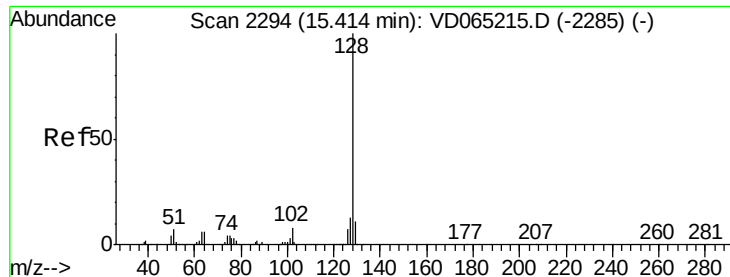
#94
 Hexachlorobutadiene
 Concen: 47.059 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065265.D
 Acq: 20 Feb 2020 19:49

Tgt Ion:	225	Resp:	180582
Ion Ratio	Lower	Upper	
225	100		
223	62.0	31.4	94.2
227	64.5	31.7	95.1



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





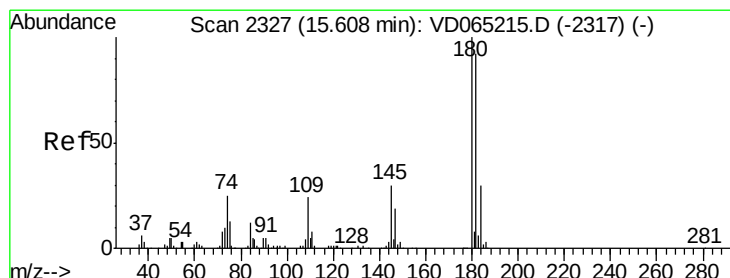
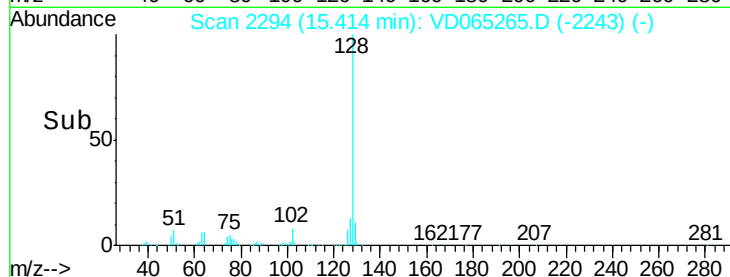
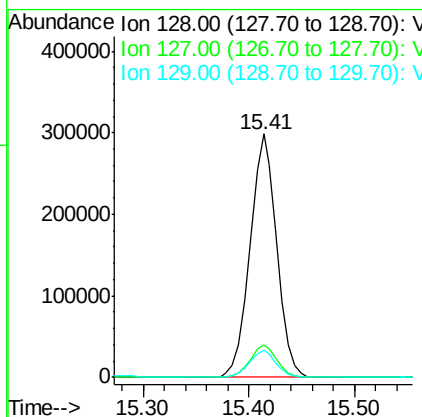
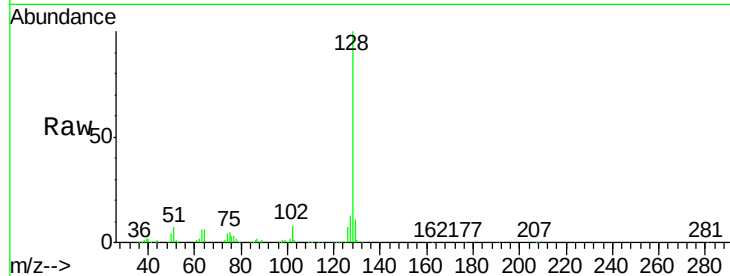
#95
Naphthalene
Concen: 53.857 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065265.D
Acq: 20 Feb 2020 19:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.3	15.5
129	11.2	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
2/21/2020 3:22:58 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.868 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065265.D
Acq: 20 Feb 2020 19:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	46.9	140.6
145	31.3	15.4	46.1

