

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050620\
 Data File : VD065700.D
 Acq On : 06 May 2020 16:32
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 10:36:03 AM

Quant Time: May 06 16:59:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050620S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 16:21:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	457468	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	721363	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	641257	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	303618	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	673807	146.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	292.94%	
35) Dibromofluoromethane	7.92	113	648396	142.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	285.28%	
50) Toluene-d8	10.34	98	2521701	144.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	289.62%	
62) 4-Bromofluorobenzene	12.64	95	871142	140.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	280.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	510255	140.746	ug/l	98
3) Chloromethane	2.21	50	652811	143.165	ug/l	99
4) Vinyl Chloride	2.34	62	671633	145.797	ug/l	95
5) Bromomethane	2.74	94	405707	138.393	ug/l	99
6) Chloroethane	2.91	64	418074	140.440	ug/l	96
7) Trichlorofluoromethane	3.26	101	1033177	139.635	ug/l	98
8) Diethyl Ether	3.71	74	314937	135.182	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	627219	139.649	ug/l	99
10) Methyl Iodide	4.30	142	738554	174.134	ug/l	99
11) Tert butyl alcohol	5.23	59	226162	526.379	ug/l	99
12) 1,1-Dichloroethene	4.06	96	614062	139.009	ug/l	99
13) Acrolein	3.92	56	248909	645.769	ug/l	99
14) Allyl chloride	4.71	41	1224887	139.111	ug/l	99
15) Acrylonitrile	5.42	53	728642	663.348	ug/l	99
16) Acetone	4.16	43	616089	610.167	ug/l	99
17) Carbon Disulfide	4.41	76	2040903	140.777	ug/l	98
18) Methyl Acetate	4.71	43	323109	129.856	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	1467871	136.686	ug/l	97
20) Methylene Chloride	4.97	84	653544	129.605	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	694904	137.124	ug/l	98
22) Diisopropyl ether	6.37	45	2271883	138.677	ug/l	99
23) Vinyl Acetate	6.31	43	6907670	698.998	ug/l	100
24) 1,1-Dichloroethane	6.27	63	1256036	140.195	ug/l	99
25) 2-Butanone	7.22	43	961162	647.201	ug/l	100
26) 2,2-Dichloropropane	7.21	77	1108330	136.891	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	764958	139.479	ug/l	100
28) Bromochloromethane	7.55	49	535771	143.995	ug/l	99
29) Tetrahydrofuran	7.57	42	627862	657.462	ug/l	99
30) Chloroform	7.71	83	1206496	139.894	ug/l	99
31) Cyclohexane	7.98	56	1212531	129.179	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	1115099	139.405	ug/l	100
36) 1,1-Dichloropropene	8.11	75	992460	136.447	ug/l	99
37) Ethyl Acetate	7.30	43	445409	125.623	ug/l	98
38) Carbon Tetrachloride	8.10	117	994089	138.104	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050620\
 Data File : VD065700.D
 Acq On : 06 May 2020 16:32
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 10:36:03 AM

Quant Time: May 06 16:59:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050620S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 16:21:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	1255183	137.640	ug/l	98
40) Benzene	8.36	78	2742705	138.371	ug/l	100
41) Methacrylonitrile	7.53	41	289918	110.591	ug/l	85
42) 1,2-Dichloroethane	8.43	62	782423	136.962	ug/l	100
43) Isopropyl Acetate	8.46	43	923906	131.127	ug/l	99
44) Trichloroethene	9.11	130	760240	139.329	ug/l	95
45) 1,2-Dichloropropane	9.39	63	708587	138.210	ug/l	98
46) Dibromomethane	9.48	93	352090	136.672	ug/l	99
47) Bromodichloromethane	9.67	83	949314	138.009	ug/l	99
48) Methyl methacrylate	9.46	41	470675	133.819	ug/l	99
49) 1,4-Dioxane	9.47	88	82840	2604.182	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	2223696	654.714	ug/l	100
52) Toluene	10.41	92	1743740	139.249	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	966618	138.869	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	1133387	138.094	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	478432	137.959	ug/l	98
56) Ethyl methacrylate	10.67	69	681707	135.813	ug/l	99
57) 1,3-Dichloropropane	10.95	76	860376	138.007	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	1614557	704.731	ug/l	100
59) 2-Hexanone	10.99	43	1509359	644.630	ug/l	99
60) Dibromochloromethane	11.15	129	639747	137.212	ug/l	100
61) 1,2-Dibromoethane	11.25	107	477266	136.566	ug/l	99
64) Tetrachloroethene	10.88	164	625726	134.798	ug/l	96
65) Chlorobenzene	11.68	112	1823292	139.474	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	680208	139.570	ug/l	99
67) Ethyl Benzene	11.75	91	3383072	138.582	ug/l	98
68) m/p-Xylenes	11.86	106	2491274	273.119	ug/l	100
69) o-Xylene	12.18	106	1173136	138.062	ug/l	100
70) Styrene	12.20	104	2025828	138.779	ug/l	99
71) Bromoform	12.37	173	374191	135.891	ug/l #	99
73) Isopropylbenzene	12.48	105	3199520	137.087	ug/l	100
74) N-amyl acetate	12.30	43	879685	131.142	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	516803	131.166	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	359526m	74.125	ug/l	
77) Bromobenzene	12.77	156	737224	137.870	ug/l	99
78) n-propylbenzene	12.83	91	3778059	137.547	ug/l	100
79) 2-Chlorotoluene	12.91	91	2156780	139.245	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	2636002	137.655	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	195863	132.589	ug/l	100
82) 4-Chlorotoluene	13.01	91	2238652	137.909	ug/l	99
83) tert-Butylbenzene	13.23	119	2240013	137.384	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	2617884	137.166	ug/l	99
85) sec-Butylbenzene	13.41	105	3146995	137.635	ug/l	100
86) p-Isopropyltoluene	13.53	119	2854594	136.889	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	1371693	136.231	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	1350257	135.866	ug/l	100
89) n-Butylbenzene	13.86	91	2771483	137.226	ug/l	100
90) Hexachloroethane	14.12	117	579635	140.051	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	1189535	137.034	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	89499	135.859	ug/l	96

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD050620\
Data File : VD065700.D
Acq On : 06 May 2020 16:32
Operator : VA/SY
Sample : VSTDICC150
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:03 AM

Quant Time: May 06 16:59:34 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D050620S.M
Quant Title : SW846 8260
QLast Update : Wed May 06 16:21:58 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	874263	133.738	ug/l	99
94) Hexachlorobutadiene	15.28	225	524086	139.188	ug/l	99
95) Naphthalene	15.41	128	1532017	133.245	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	752178	135.542	ug/l	100

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

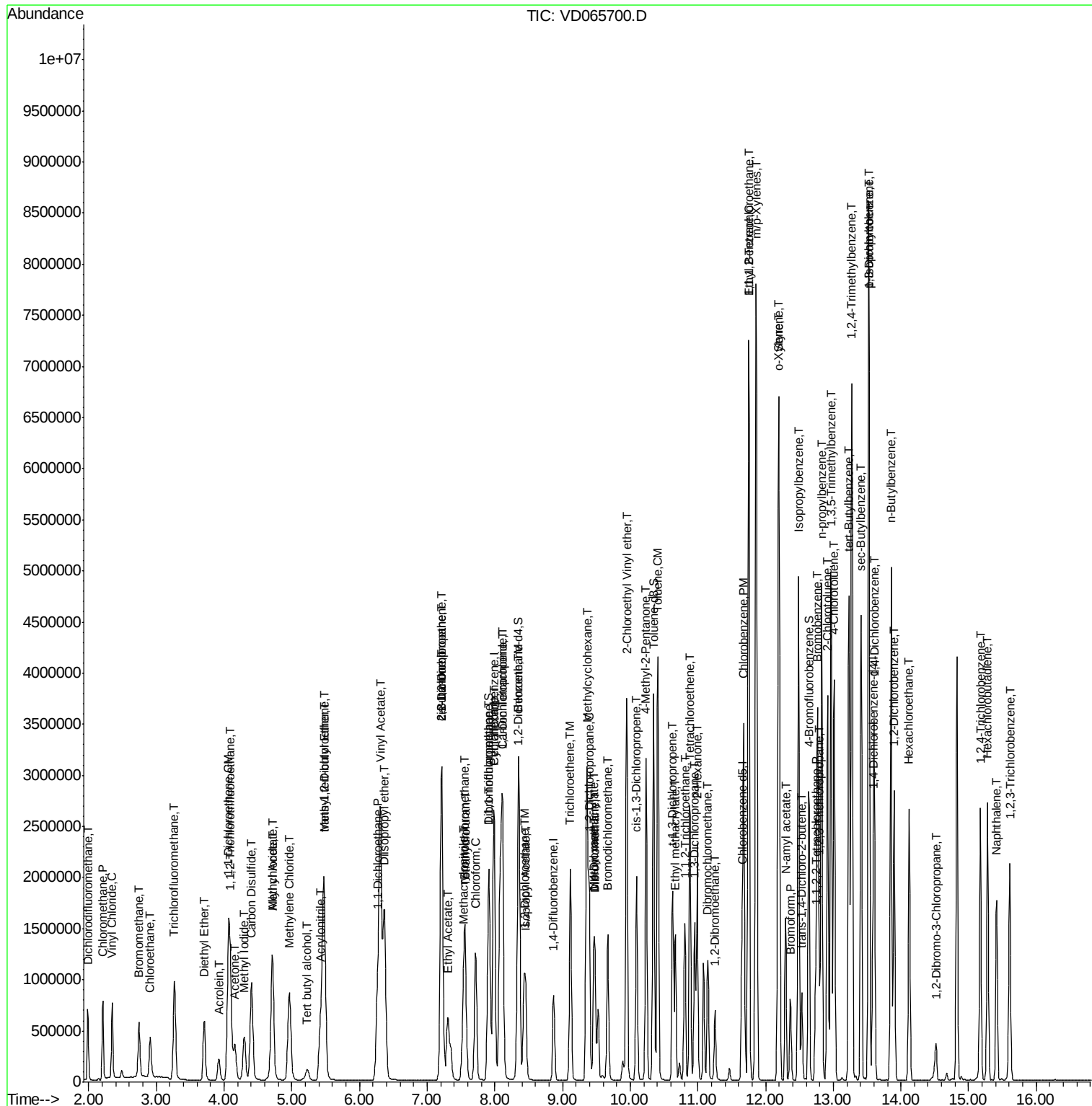
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD050620\
Data File : VD065700.D
Acq On : 06 May 2020 16:32
Operator : VA/SY
Sample : VSTDICC150
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

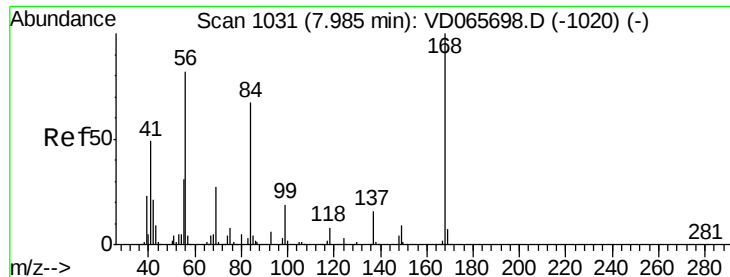
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:03 AM

Quant Time: May 06 16:59:34 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D050620S.M
Quant Title : SW846 8260
QLast Update : Wed May 06 16:21:58 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: VD065700.D

Acq: 06 May 2020 16:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 457468

Ion Ratio Lower Upper

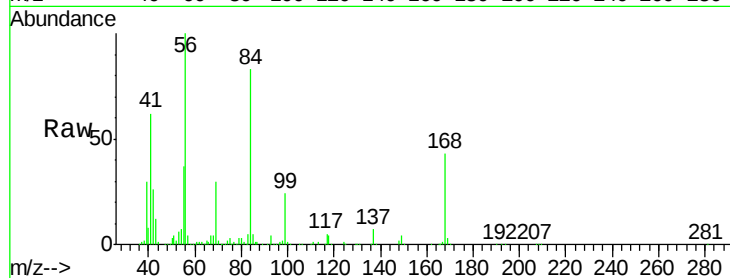
168 100

99 55.2 44.2 66.4

Manual Integrations
APPROVED

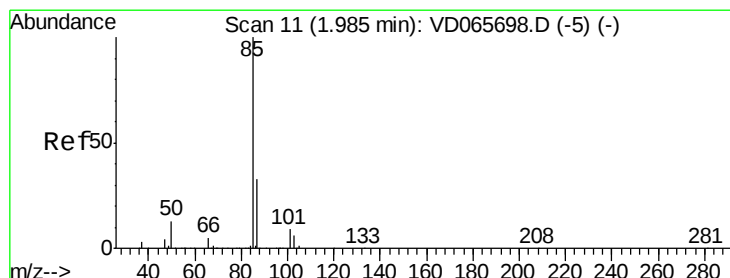
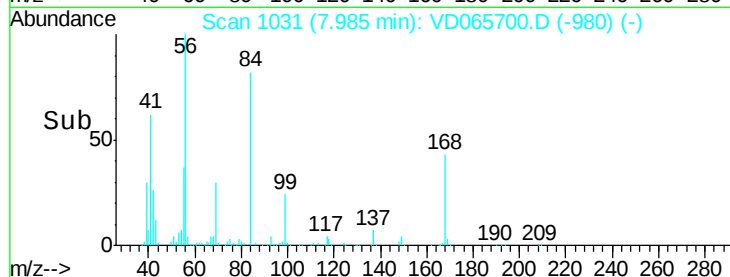
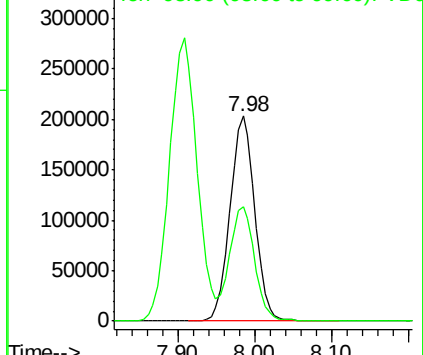
MMDadoda

5/7/2020 10:36:03 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 140.746 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065700.D

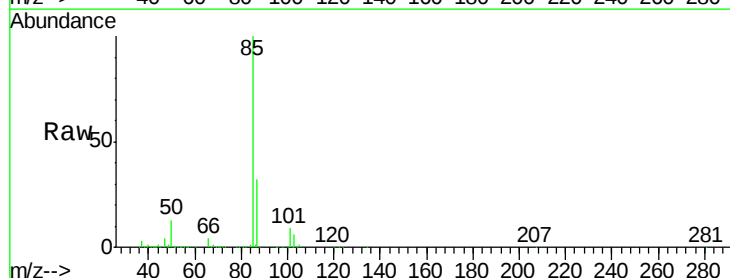
Acq: 06 May 2020 16:32

Tgt Ion: 85 Resp: 510255

Ion Ratio Lower Upper

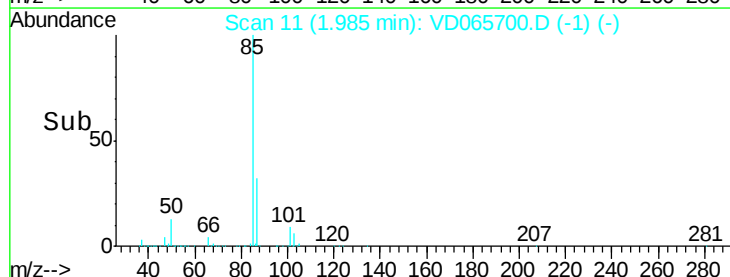
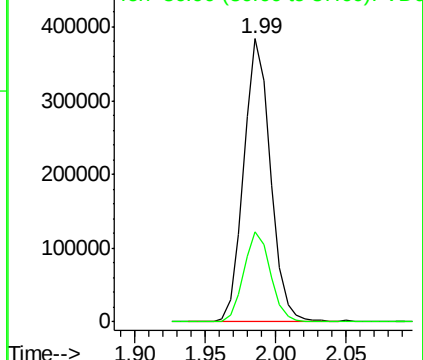
85 100

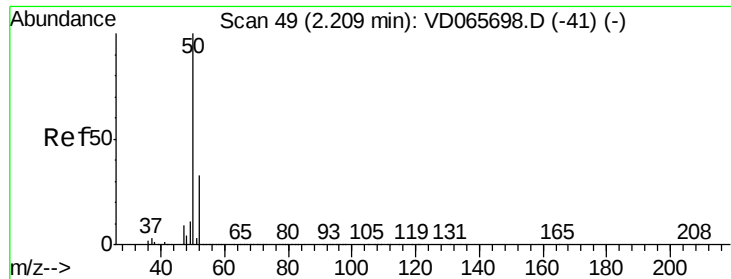
87 31.6 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 143.165 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065700.D

Acq: 06 May 2020 16:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC150

Tot Ion: 50 Resp: 652811

Ion Ratio Lower Upper

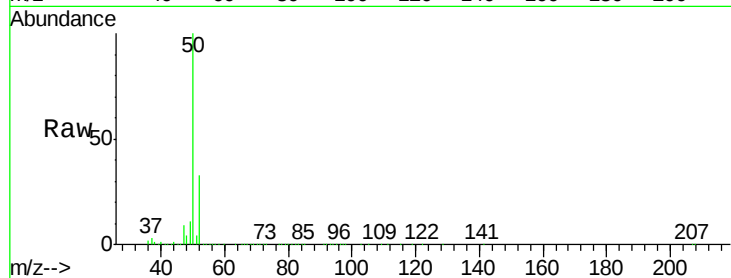
50 100

52 33.0 26.1 39.1

Manual Integrations
APPROVED

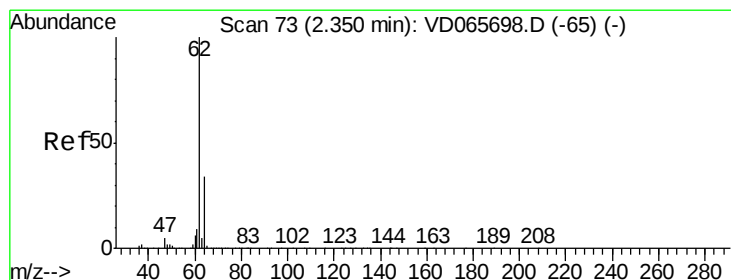
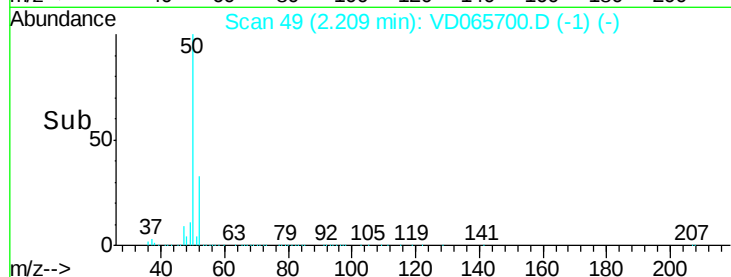
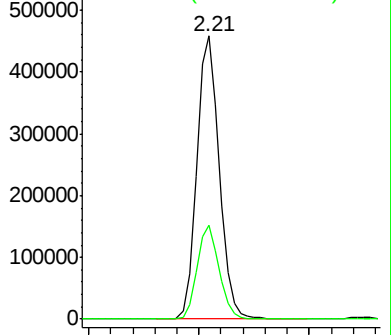
MMDadoda

5/7/2020 10:36:03 AM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 145.797 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD065700.D

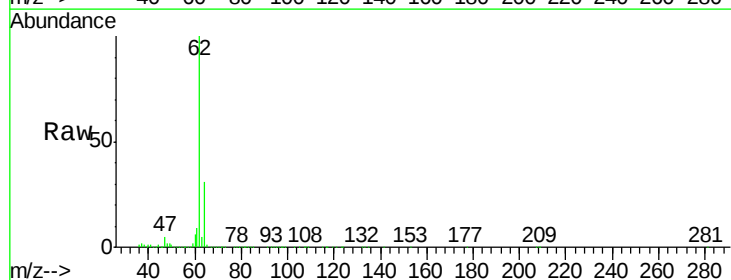
Acq: 06 May 2020 16:32

Tgt Ion: 62 Resp: 671633

Ion Ratio Lower Upper

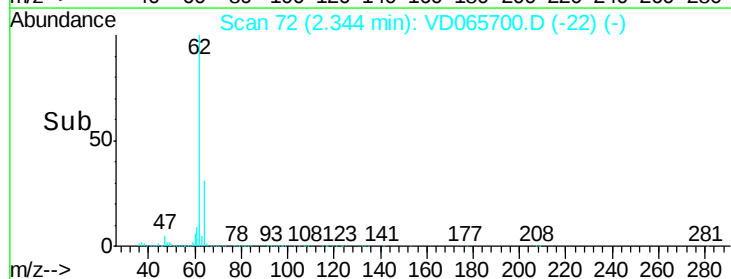
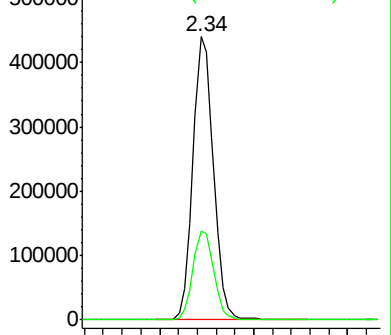
62 100

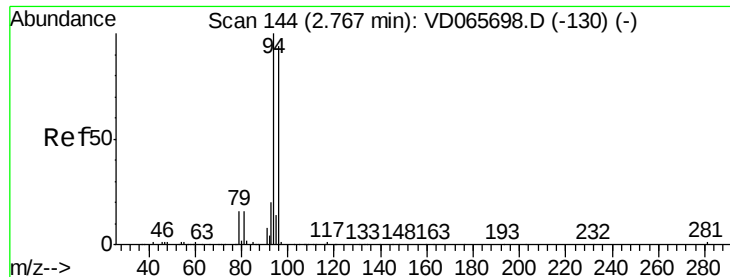
64 31.3 27.2 40.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 138.393 ug/l

RT: 2.74 min Scan# 140

Delta R.T. -0.02 min

Lab File: VD065700.D

Acq: 06 May 2020 16:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 405707

Ion Ratio Lower Upper

94 100

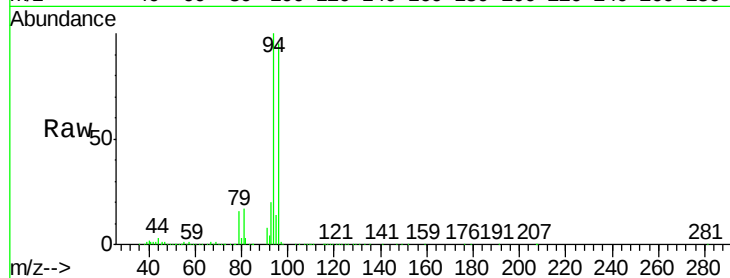
96 95.2 75.0 112.6

Manual Integrations

APPROVED

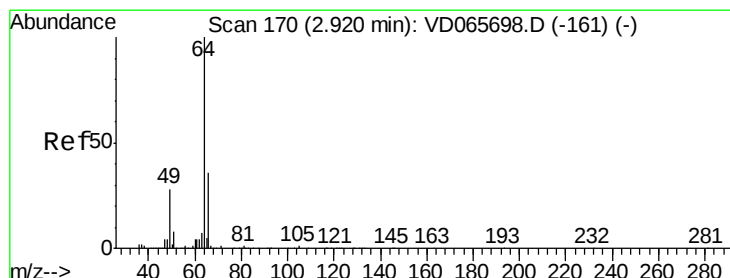
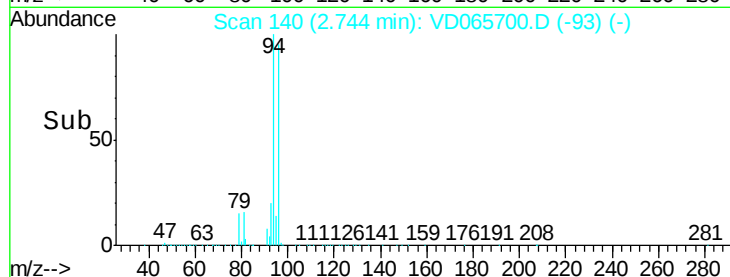
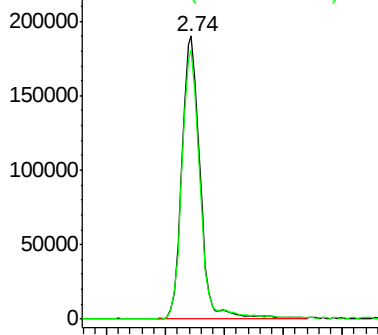
MMDadoda

5/7/2020 10:36:03 AM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 140.440 ug/l

RT: 2.91 min Scan# 168

Delta R.T. -0.01 min

Lab File: VD065700.D

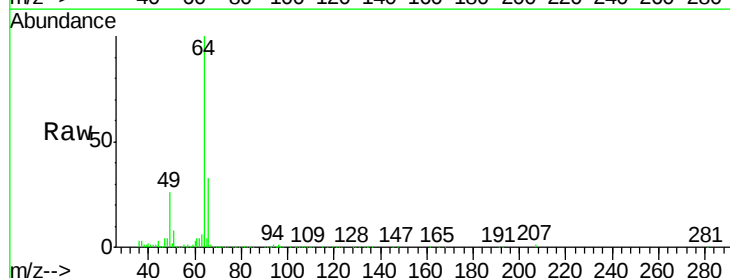
Acq: 06 May 2020 16:32

Tgt Ion: 64 Resp: 418074

Ion Ratio Lower Upper

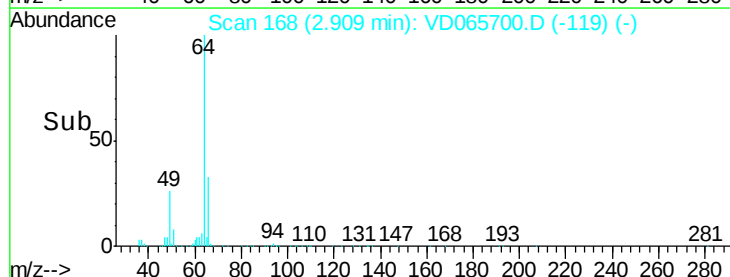
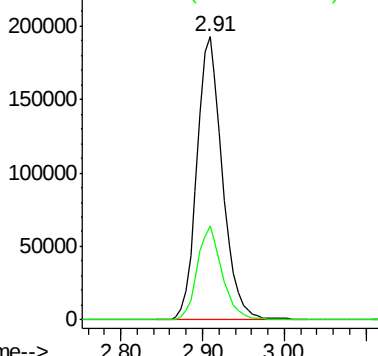
64 100

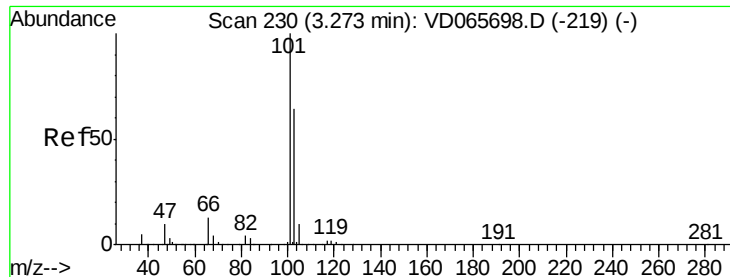
66 33.0 28.5 42.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

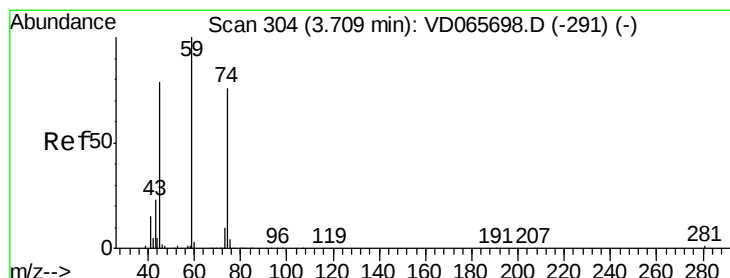
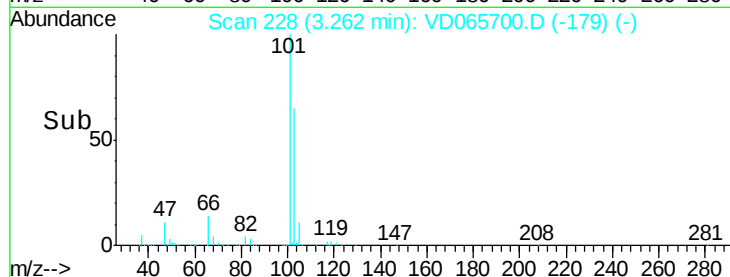
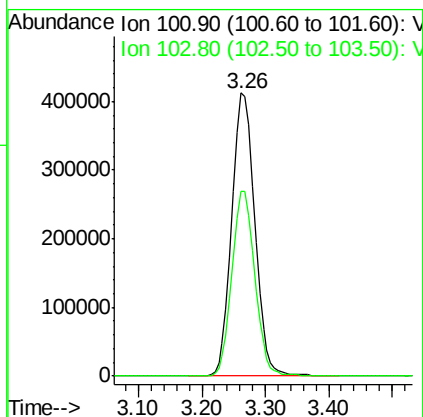
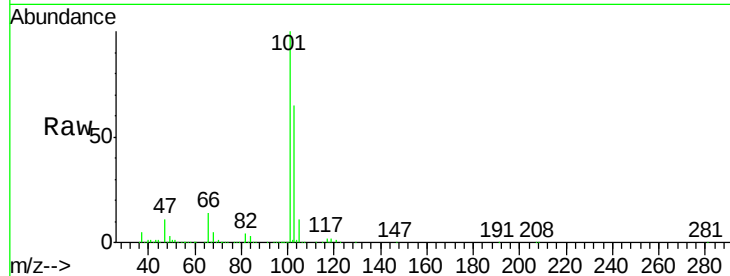
Trichlorofluoromethane
Concen: 139.635 ug/l
RT: 3.26 min Scan# 228
Delta R.T. -0.01 min
Lab File: VD065700.D
Acq: 06 May 2020 16:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Tot Ion:101 Resp: 1033177
Ion Ratio Lower Upper
101 100
103 65.2 51.1 76.7

Manual Integrations
APPROVED

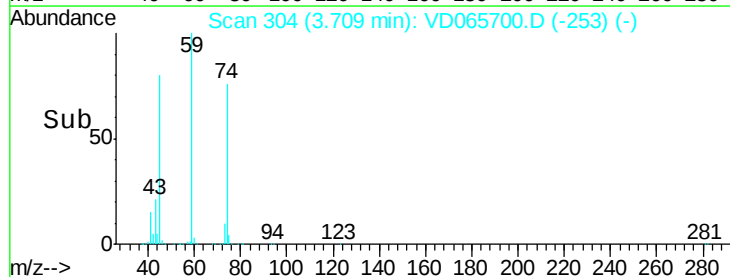
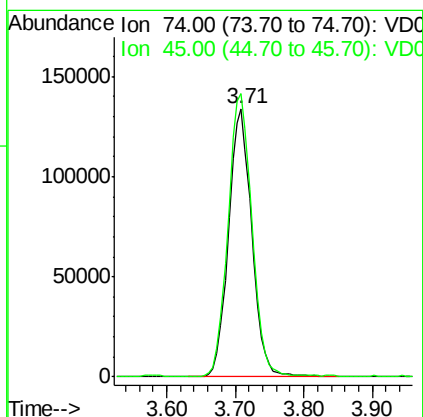
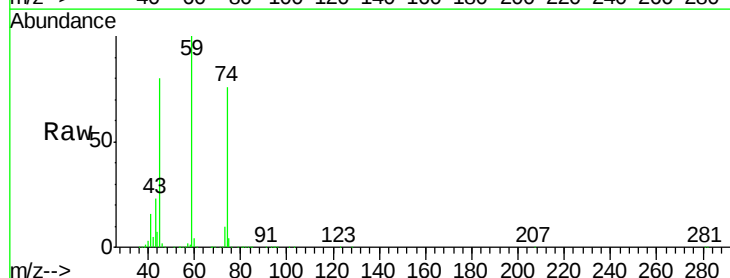
MMDadoda
5/7/2020 10:36:03 AM

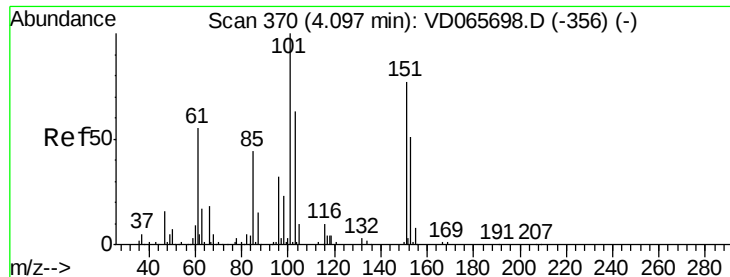


#8

Diethyl Ether
Concen: 135.182 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065700.D
Acq: 06 May 2020 16:32

Tgt Ion: 74 Resp: 314937
Ion Ratio Lower Upper
74 100
45 108.6 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 139.649 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD065700.D

Acq: 06 May 2020 16:32

Instrument :

MSVOA_D

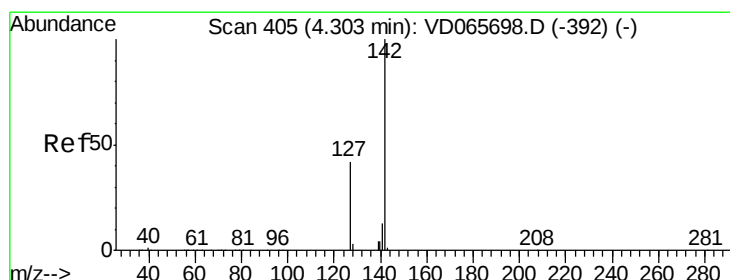
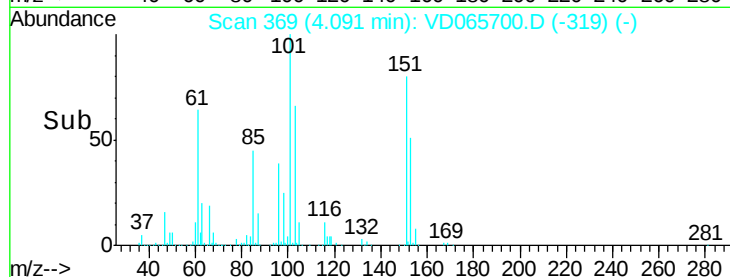
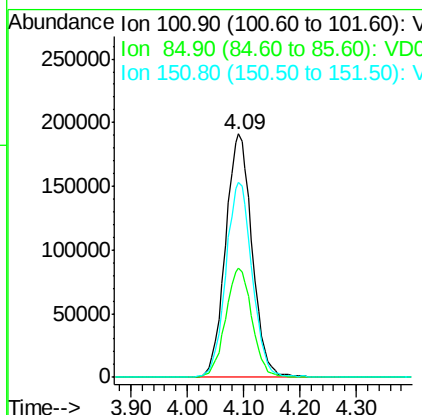
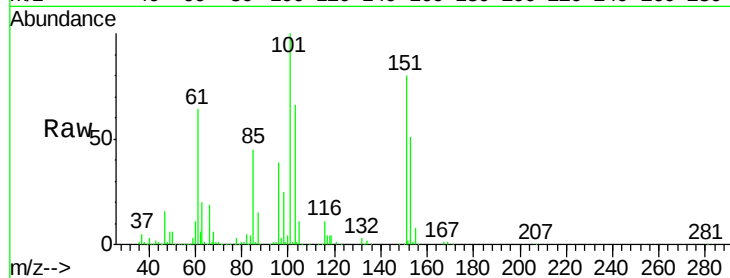
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	627219
Ion Ratio	Lower	Upper	
101	100		
85	44.6	34.4	51.6
151	79.3	63.0	94.4

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:03 AM



#10

Methyl Iodide

Concen: 174.134 ug/l

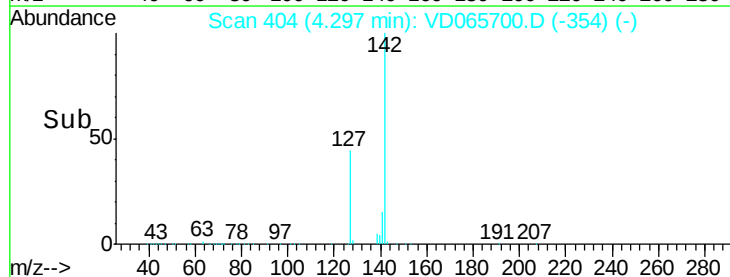
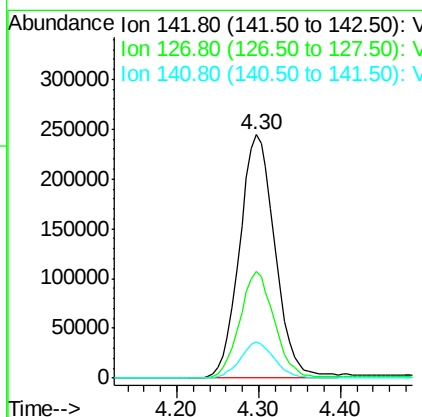
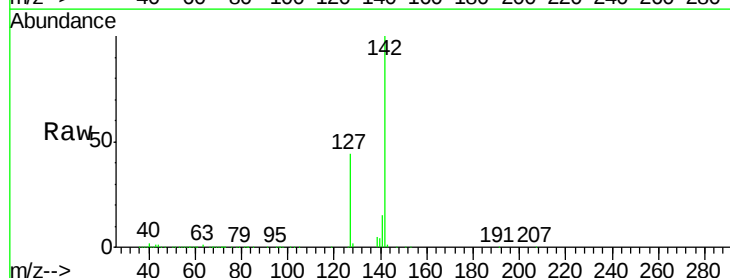
RT: 4.30 min Scan# 404

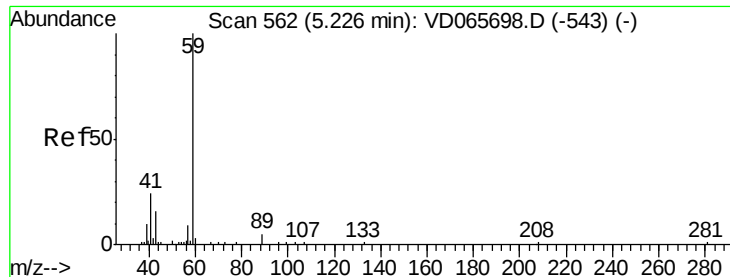
Delta R.T. -0.01 min

Lab File: VD065700.D

Acq: 06 May 2020 16:32

Tgt Ion:	142	Resp:	738554
Ion Ratio	Lower	Upper	
142	100		
127	42.6	34.5	51.7
141	14.3	11.6	17.4





#11

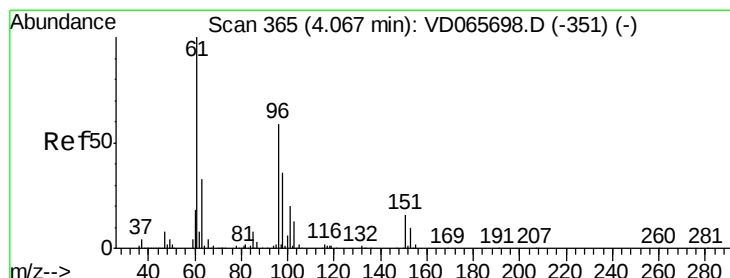
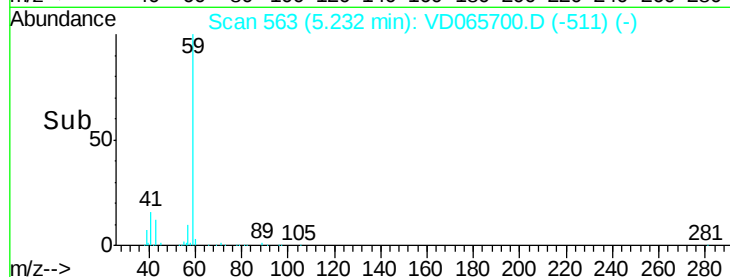
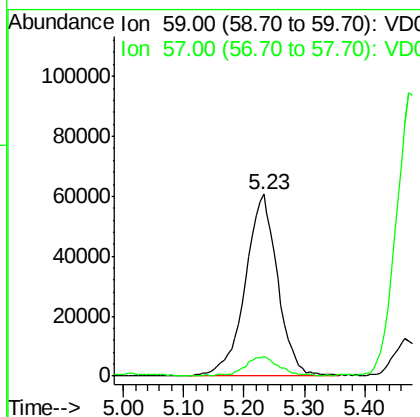
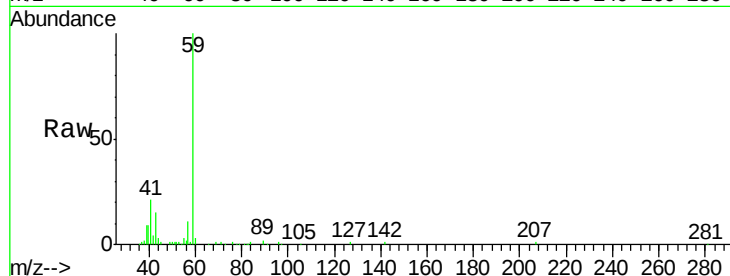
Tert butyl alcohol
Concen: 526.379 ug/l
RT: 5.23 min Scan# 563
Delta R.T. 0.01 min
Lab File: VD065700.D
Acq: 06 May 2020 16:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	226162		
57	57	10.5		8.7	13.1

Manual Integrations
APPROVED

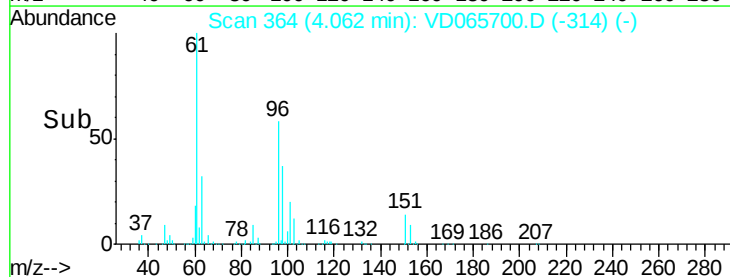
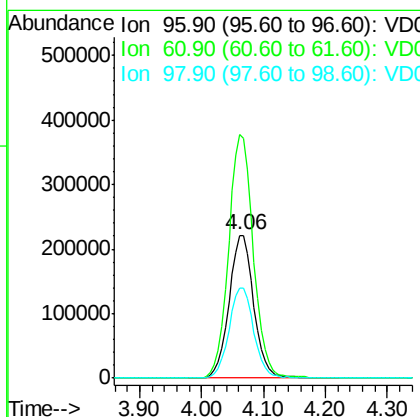
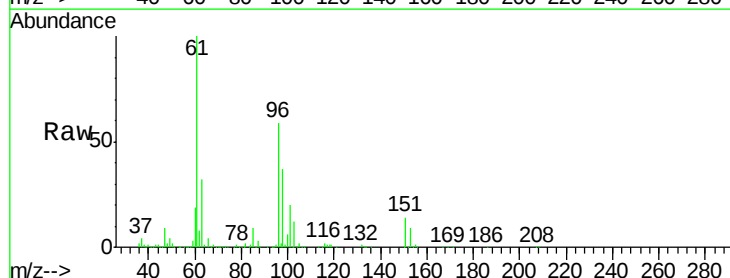
MMDadoda
5/7/2020 10:36:03 AM

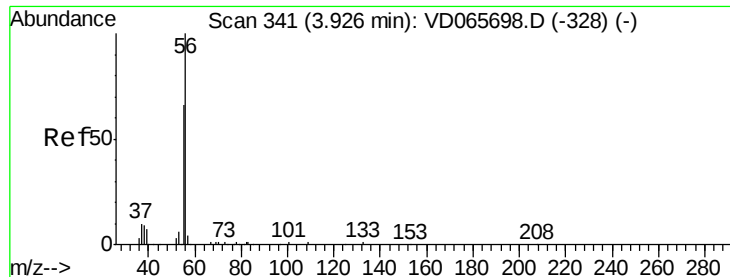


#12

1,1-Dichloroethene
Concen: 139.009 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.01 min
Lab File: VD065700.D
Acq: 06 May 2020 16:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	614062		
61	61	170.8		136.0	204.0
98	98	63.1		49.7	74.5





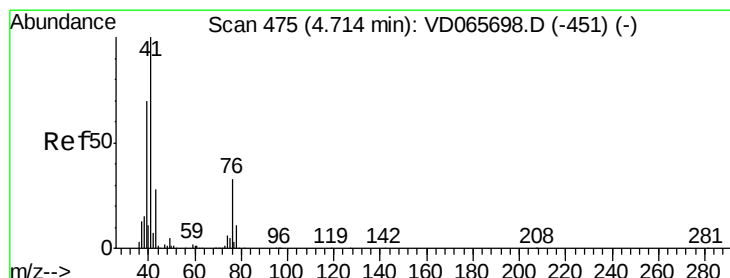
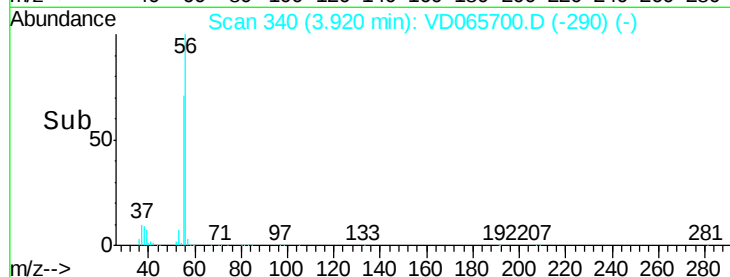
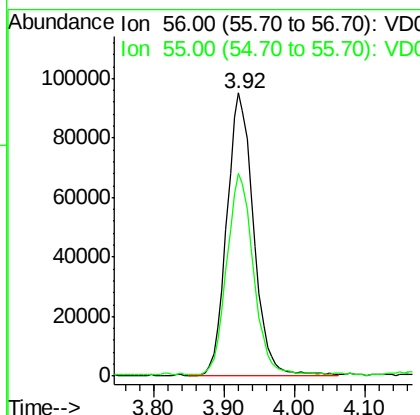
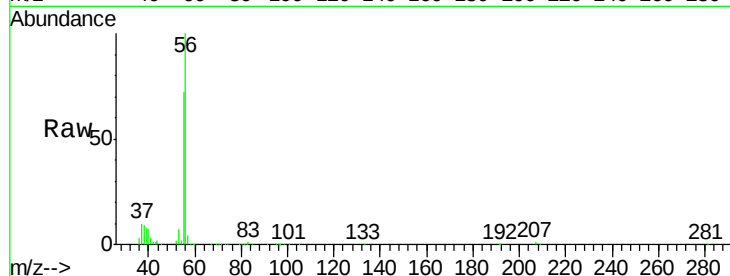
#13
Acrolein
Concen: 645.769 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD065700.D
Acq: 06 May 2020 16:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.3	56.7	85.1

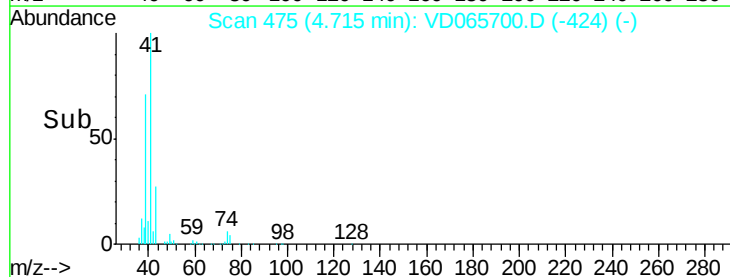
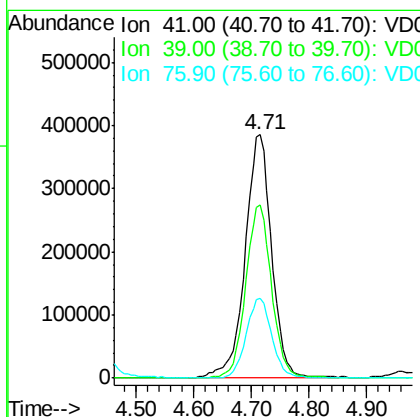
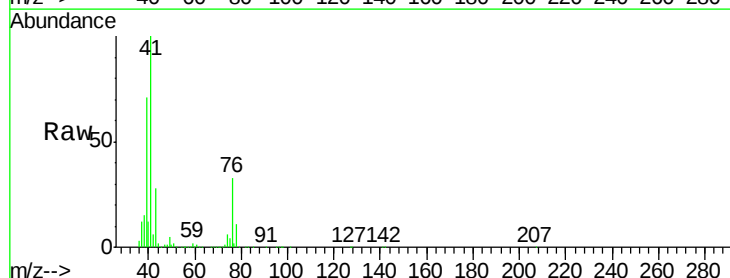
Manual Integrations
APPROVED

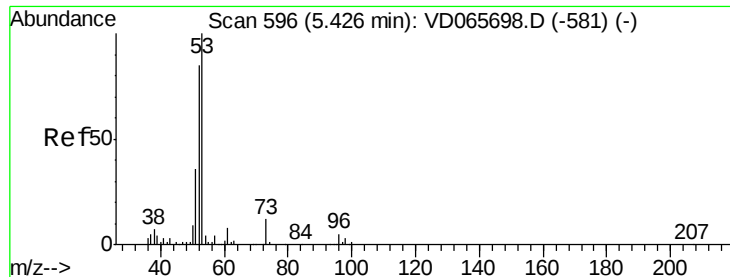
MMDadoda
5/7/2020 10:36:03 AM



#14
Allyl chloride
Concen: 139.111 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD065700.D
Acq: 06 May 2020 16:32

Tgt Ion	Ratio	Lower	Upper
41	100		
39	69.2	55.6	83.4
76	31.6	25.6	38.4





#15

Acrylonitrile

Concen: 663.348 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD065700.D

Acq: 06 May 2020 16:32

Instrument :

MSVOA_D

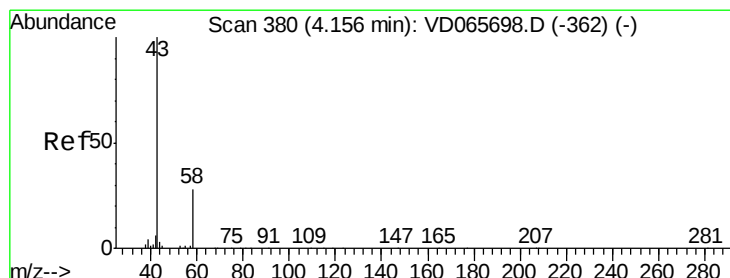
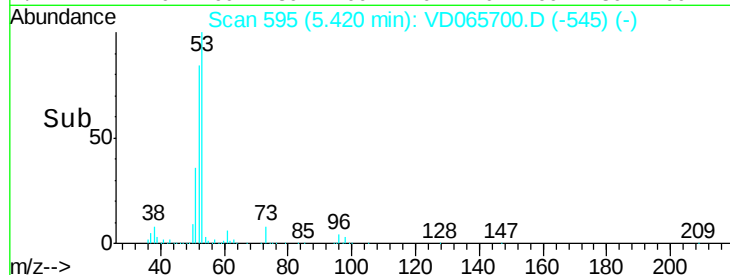
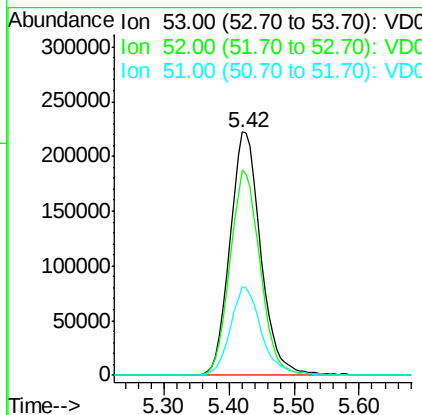
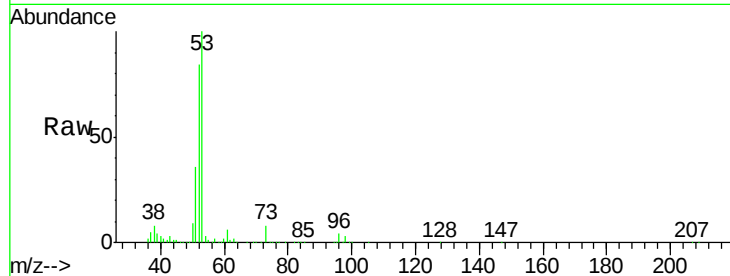
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	728642
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.2	99.2
51	36.7	29.9	44.9

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:03 AM



#16

Acetone

Concen: 610.167 ug/l

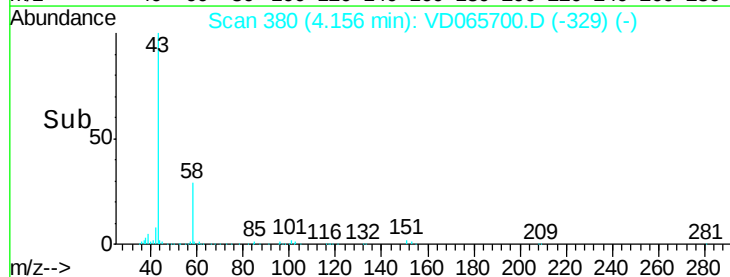
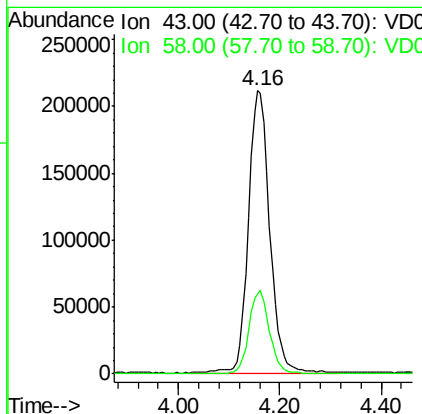
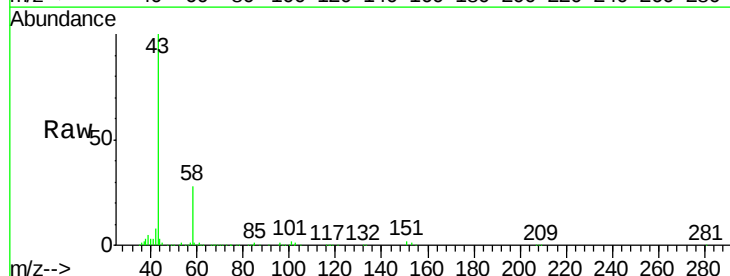
RT: 4.16 min Scan# 380

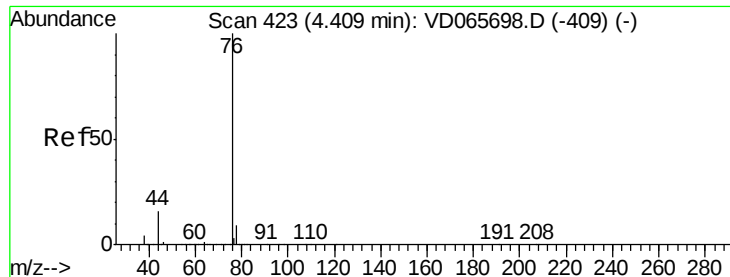
Delta R.T. 0.00 min

Lab File: VD065700.D

Acq: 06 May 2020 16:32

Tgt Ion:	43	Resp:	616089
Ion	Ratio	Lower	Upper
43	100		
58	28.4	22.5	33.7





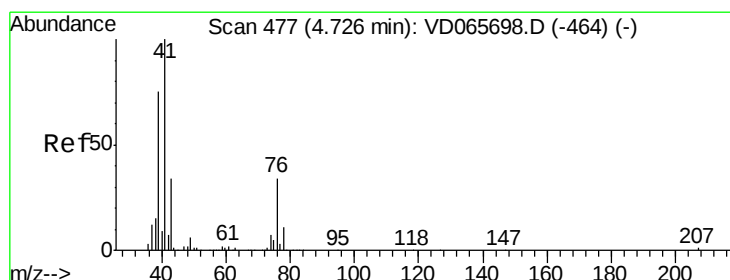
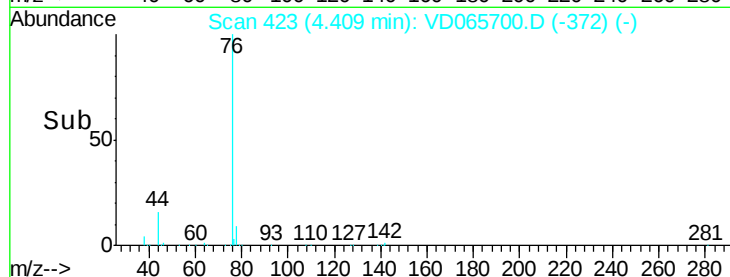
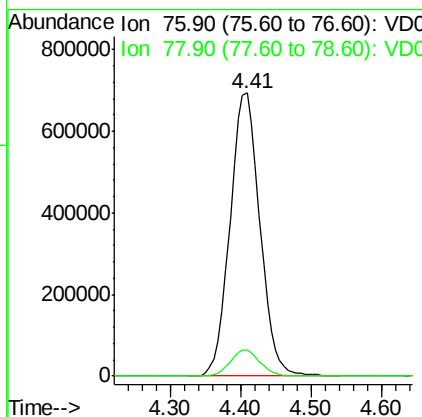
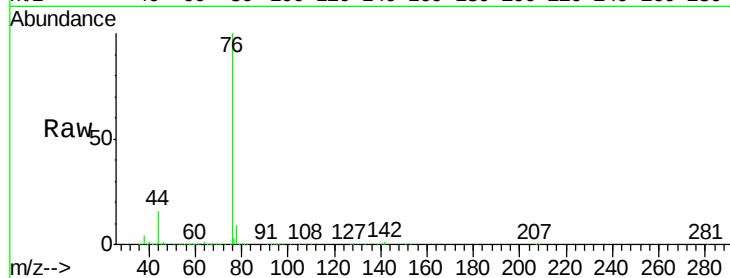
#17
Carbon Disulfide
Concen: 140.777 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD065700.D
Acq: 06 May 2020 16:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 2040903
Ion Ratio Lower Upper
76 100
78 9.4 6.8 10.2

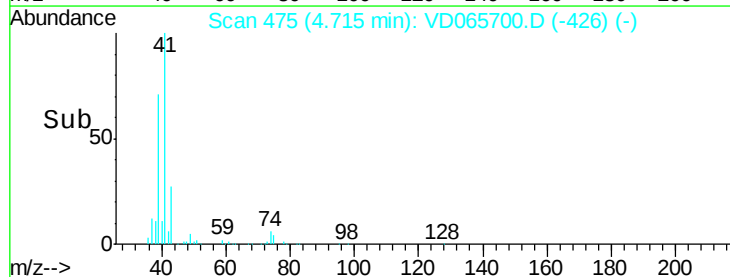
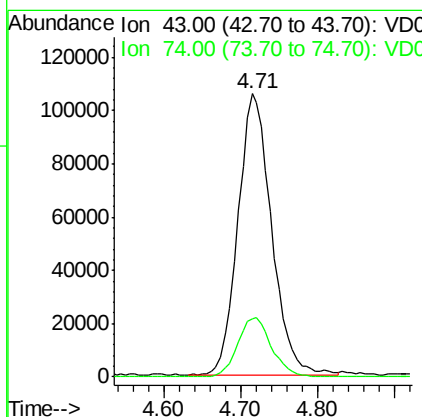
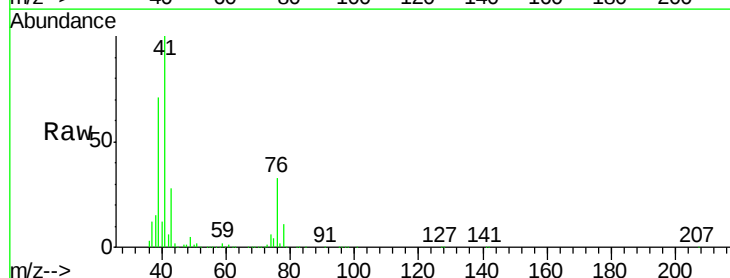
Manual Integrations
APPROVED

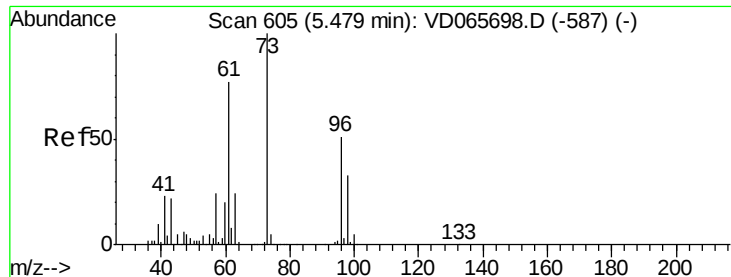
MMDadoda
5/7/2020 10:36:03 AM



#18
Methyl Acetate
Concen: 129.856 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD065700.D
Acq: 06 May 2020 16:32

Tgt Ion: 43 Resp: 323109
Ion Ratio Lower Upper
43 100
74 21.4 17.1 25.7





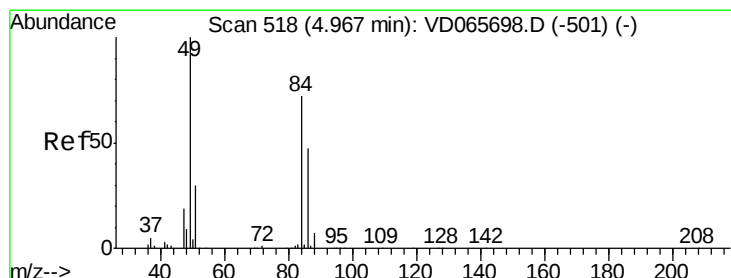
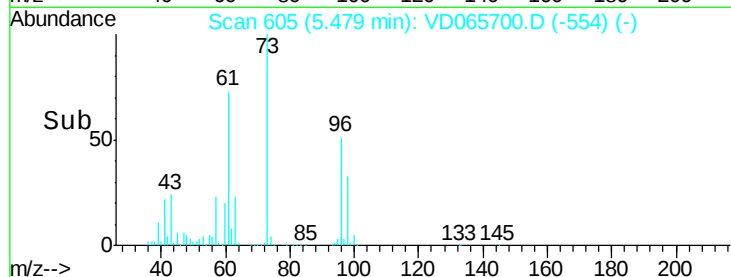
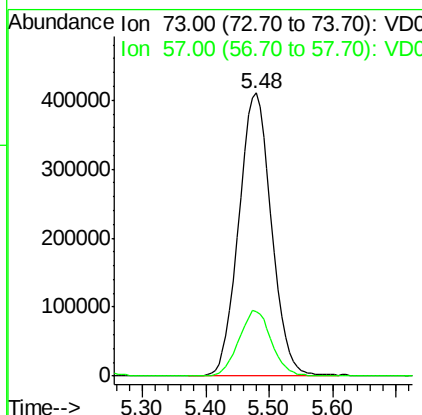
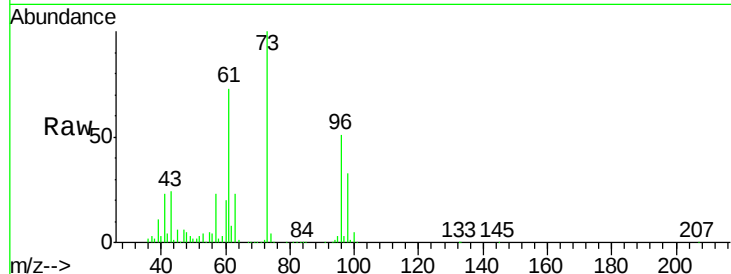
#19
Methvl tert-butvl Ether
Concen: 136.686 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD065700.D
Acq: 06 May 2020 16:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 1467871
Ion Ratio Lower Upper
73 100
57 22.7 19.4 29.0

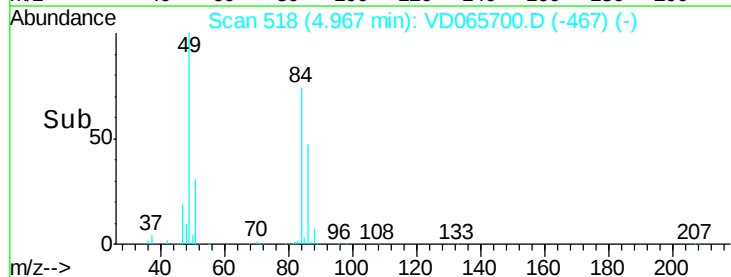
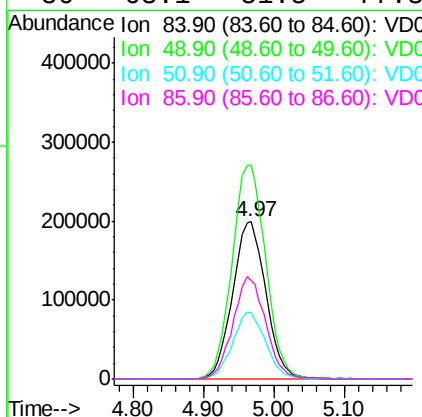
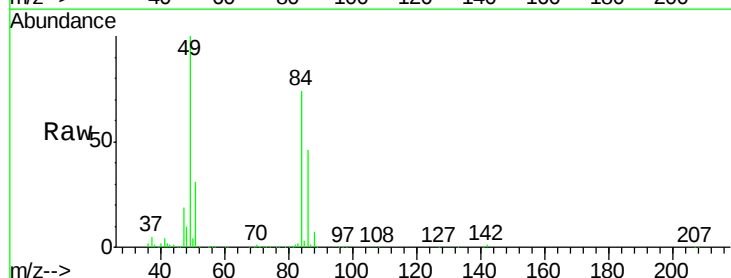
Manual Integrations
APPROVED

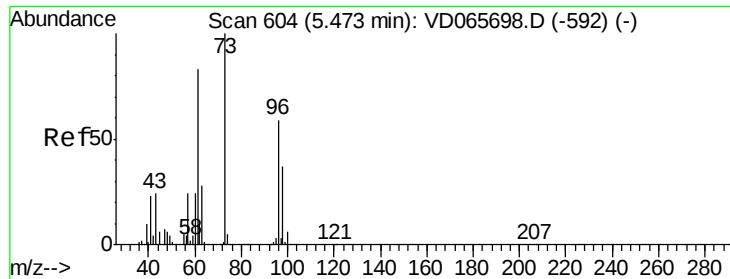
MMDadoda
5/7/2020 10:36:03 AM



#20
Methylene Chloride
Concen: 129.605 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065700.D
Acq: 06 May 2020 16:32

Tgt Ion: 84 Resp: 653544
Ion Ratio Lower Upper
84 100
49 135.7 110.4 165.6
51 42.6 33.4 50.2
86 63.1 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 137.124 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065700.D

Acq: 06 May 2020 16:32

Instrument :

MSVOA_D

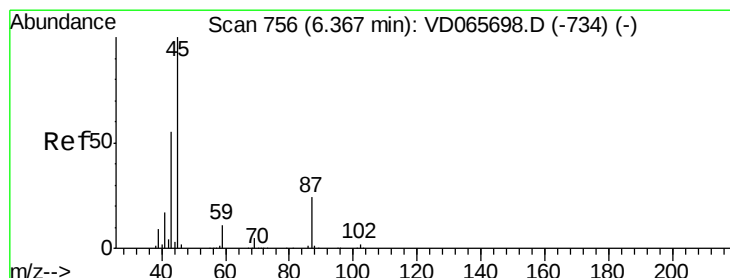
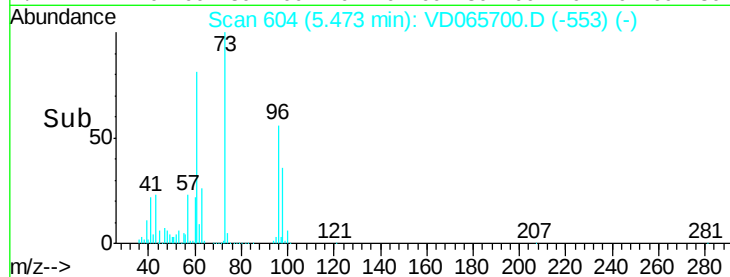
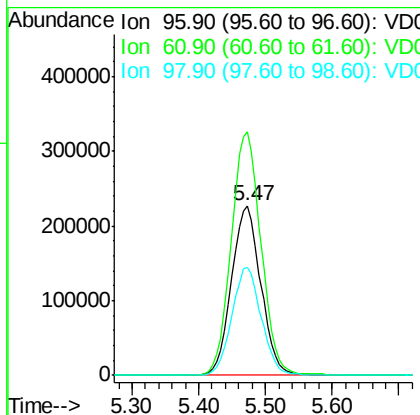
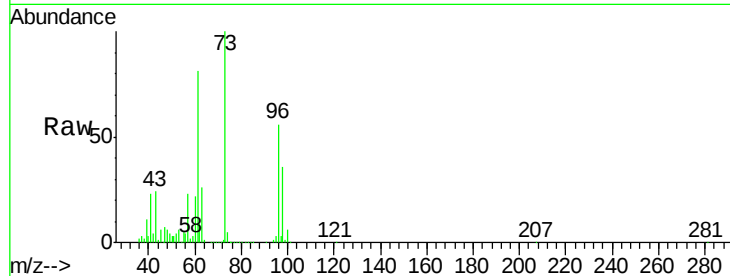
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	694904
Ion	Ratio	Lower	Upper
96	100		
61	143.4	113.0	169.4
98	63.4	49.5	74.3

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:03 AM



#22

Diisopropyl ether

Concen: 138.677 ug/l

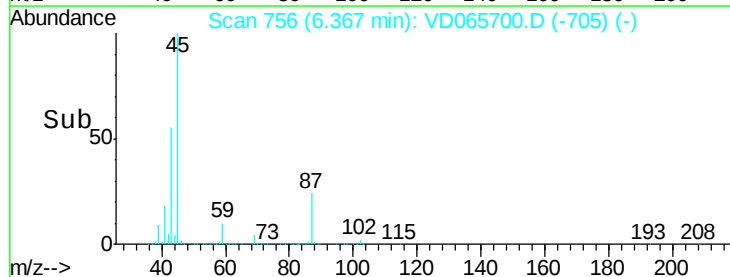
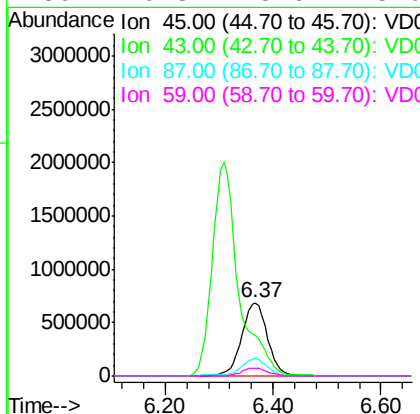
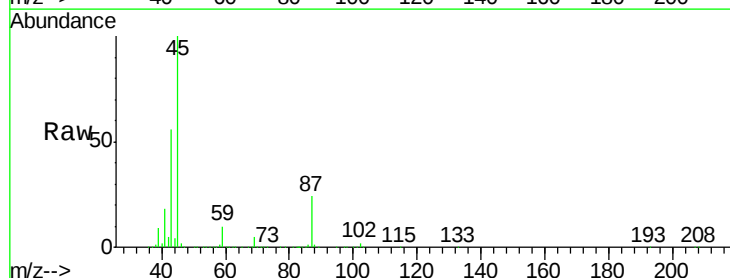
RT: 6.37 min Scan# 756

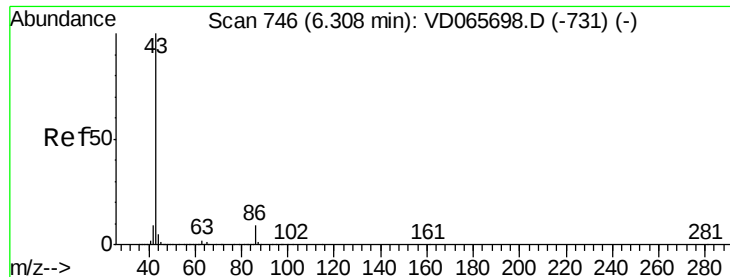
Delta R.T. 0.00 min

Lab File: VD065700.D

Acq: 06 May 2020 16:32

Tgt Ion:	45	Resp:	2271883
Ion	Ratio	Lower	Upper
45	100		
43	54.9	44.2	66.4
87	24.2	19.0	28.4
59	10.3	8.6	13.0





#23

Vinyl Acetate

Concen: 698.998 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065700.D

Acq: 06 May 2020 16:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC150

Tot Ion: 43 Resp: 6907670

Ion Ratio Lower Upper

43 100

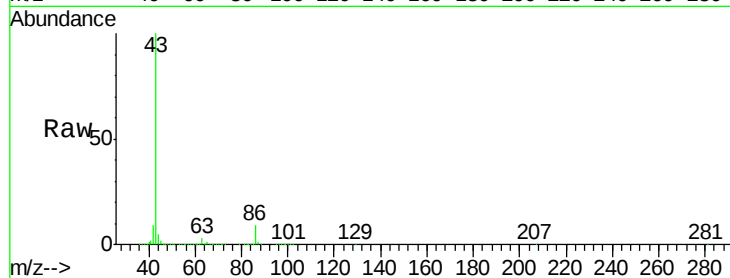
86 9.3 7.4 11.0

Manual Integrations

APPROVED

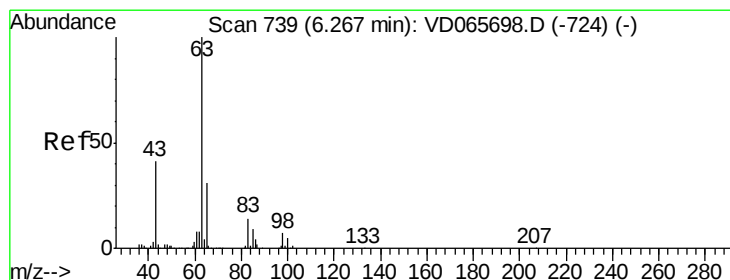
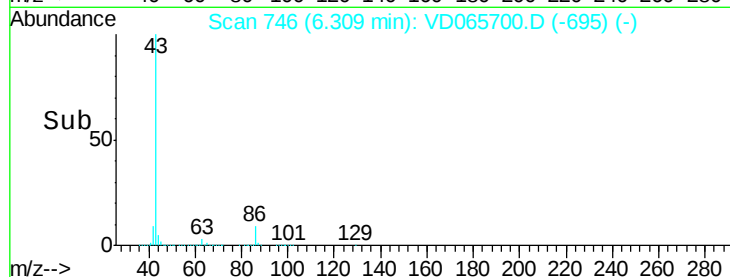
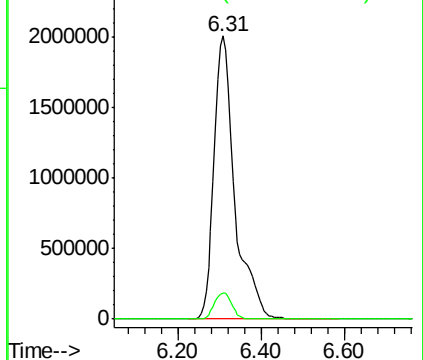
MMDadoda

5/7/2020 10:36:03 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 140.195 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065700.D

Acq: 06 May 2020 16:32

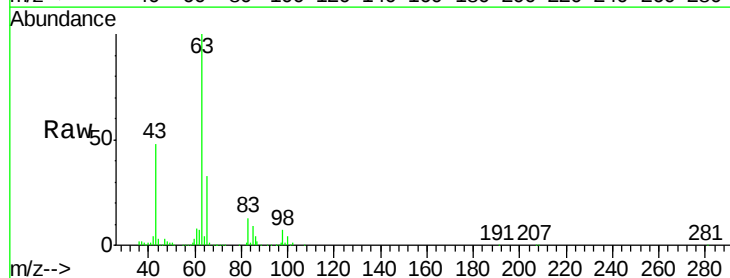
Tgt Ion: 63 Resp: 1256036

Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.2

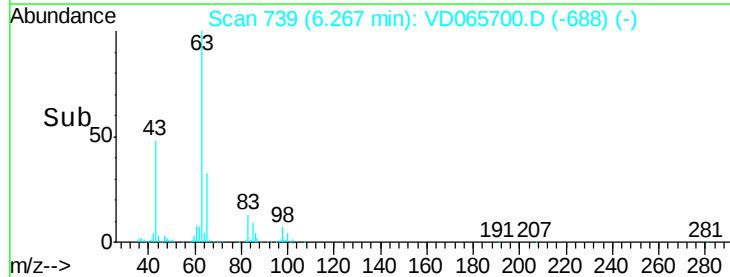
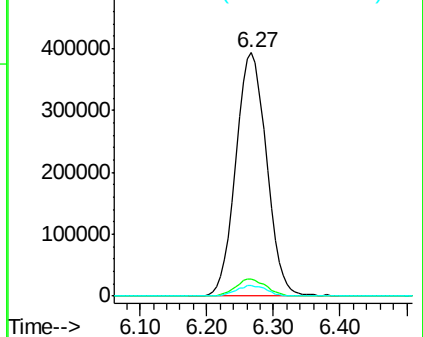
100 4.5 2.3 6.9

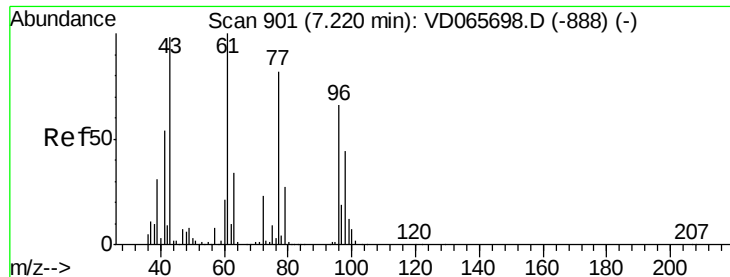


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 647.201 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065700.D

Acq: 06 May 2020 16:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 961162

Ion Ratio Lower Upper

43 100

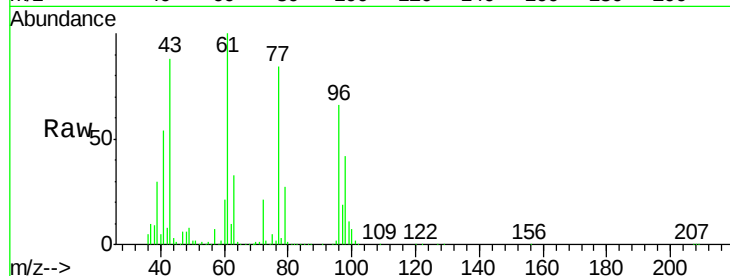
72 24.1 19.2 28.8

Manual Integrations

APPROVED

MMDadoda

5/7/2020 10:36:03 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.22

400000

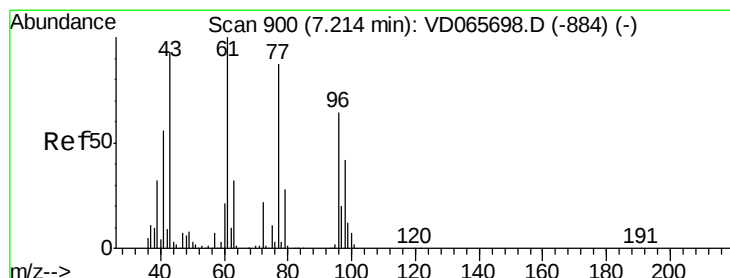
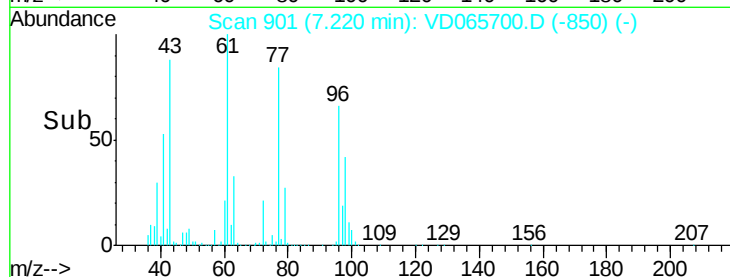
300000

200000

100000

0

Time--> 7.10 7.15 7.20 7.25 7.30



#26

2,2-Dichloropropane

Concen: 136.891 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065700.D

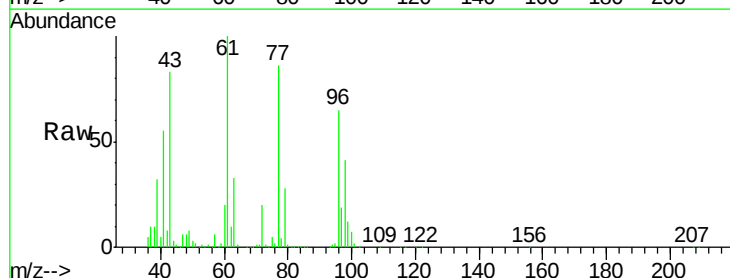
Acq: 06 May 2020 16:32

Tgt Ion: 77 Resp: 1108330

Ion Ratio Lower Upper

77 100

97 22.3 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

7.21

400000

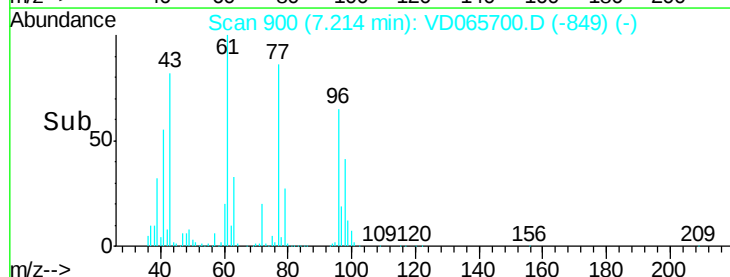
300000

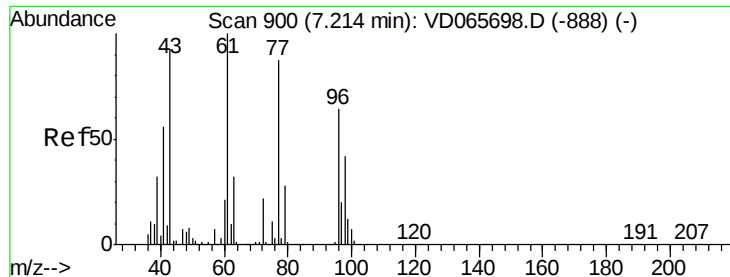
200000

100000

0

Time--> 7.00 7.10 7.20 7.30 7.40





#27

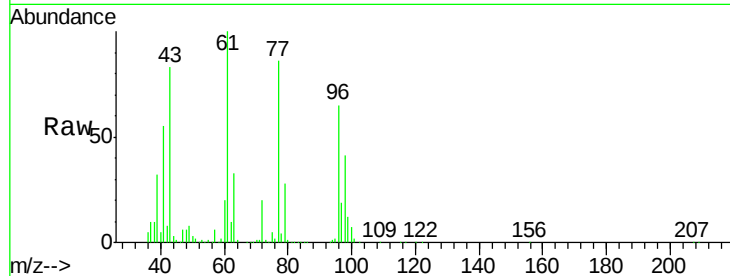
cis-1,2-Dichloroethene
Concen: 139.479 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065700.D
Acq: 06 May 2020 16:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

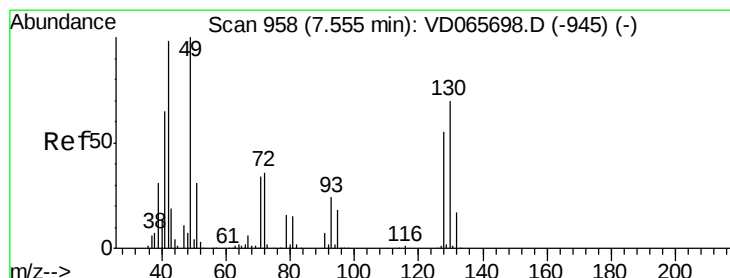
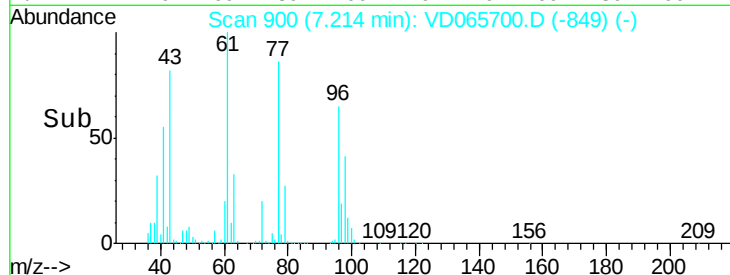
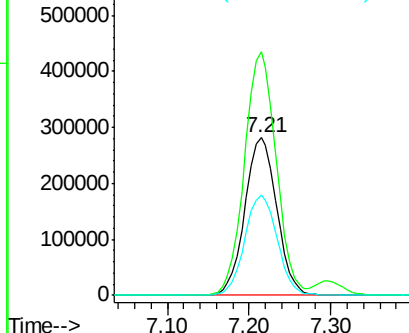
Tot Ion	Ratio	Resp	Lower	Upper
96	100	764958		
61	153.5	0.0	306.6	
98	65.0	0.0	129.4	

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:03 AM



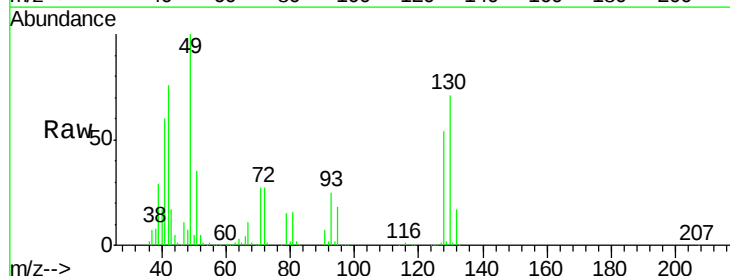
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



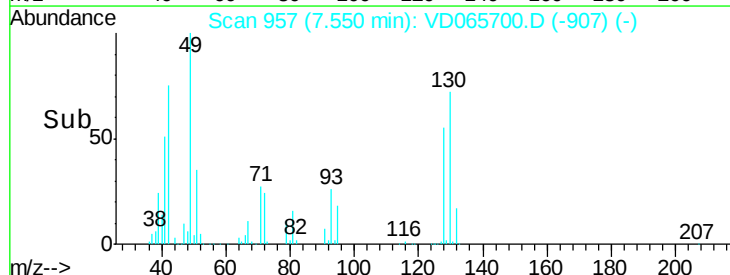
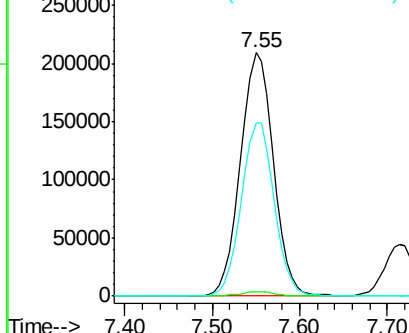
#28

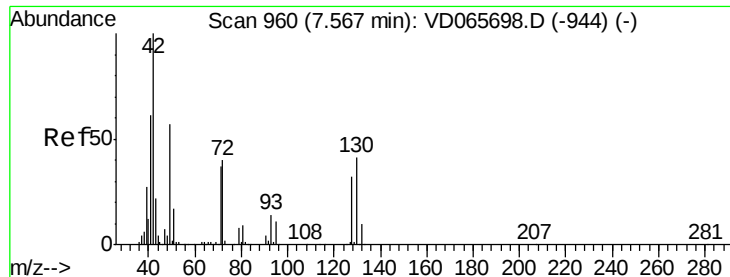
Bromochloromethane
Concen: 143.995 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.01 min
Lab File: VD065700.D
Acq: 06 May 2020 16:32

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	535771		
129	2.0	0.0	3.8	
130	71.0	56.4	84.6	



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





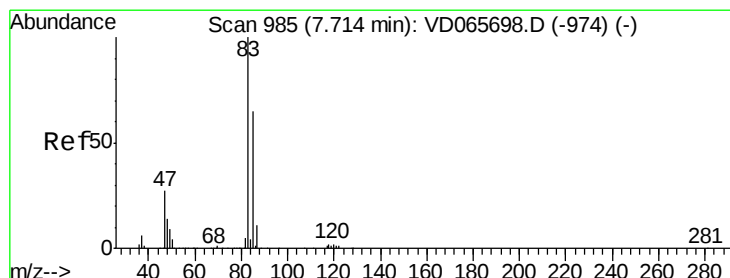
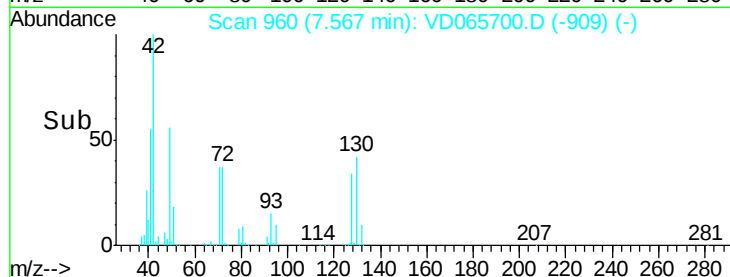
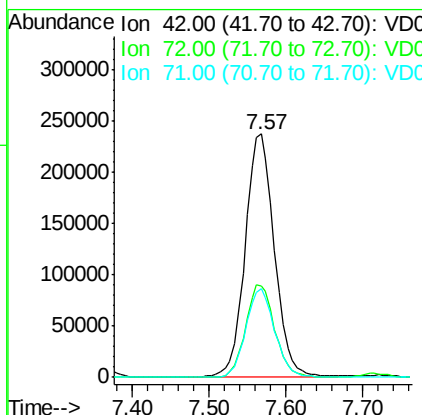
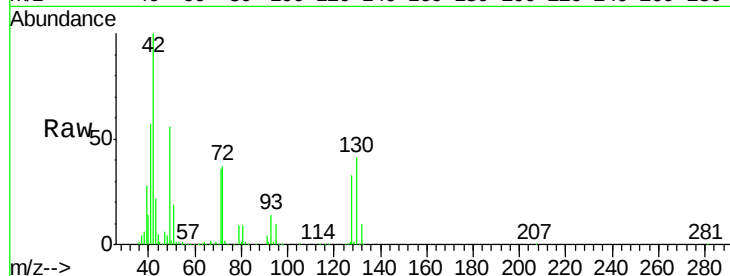
#29
Tetrahydrofuran
Concen: 657.462 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD065700.D
Acq: 06 May 2020 16:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.9	30.4	45.6
71	35.8	28.0	42.0

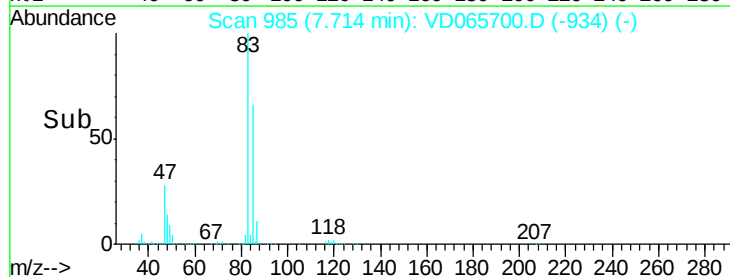
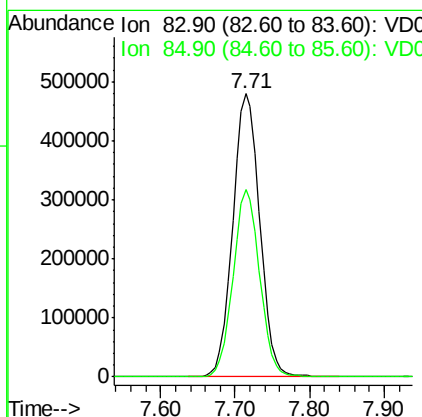
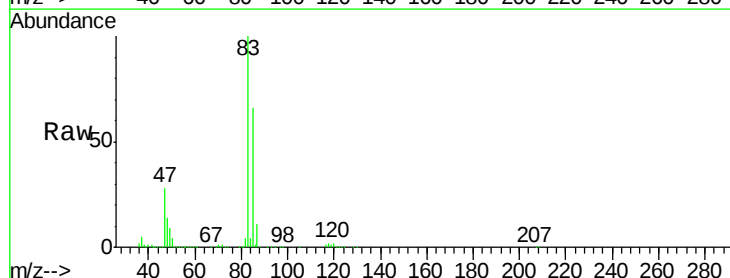
Manual Integrations
APPROVED

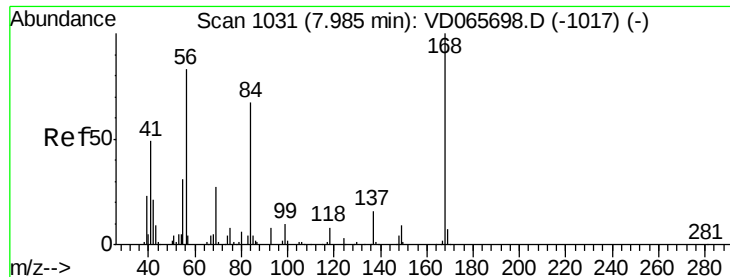
MMDadoda
5/7/2020 10:36:03 AM



#30
Chloroform
Concen: 139.894 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065700.D
Acq: 06 May 2020 16:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.1	78.1





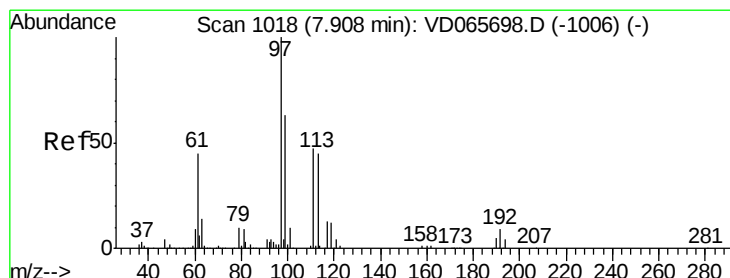
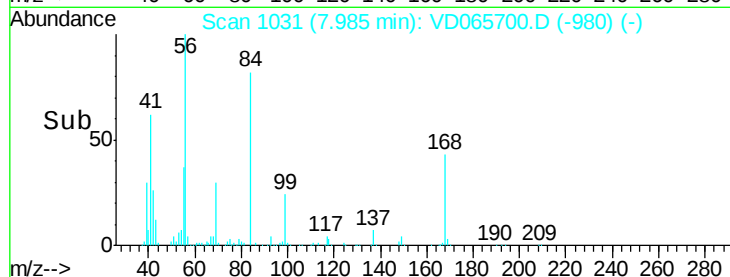
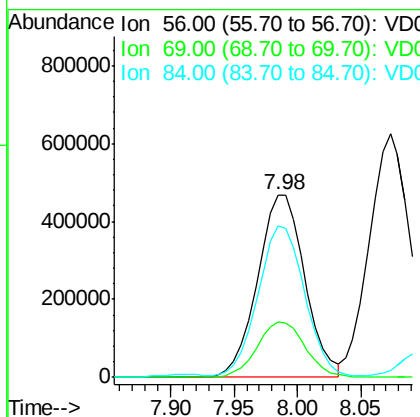
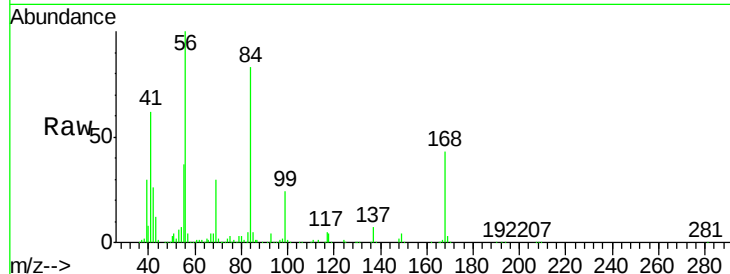
#31
Cyclohexane
Concen: 129.179 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065700.D
Acq: 06 May 2020 16:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.3	26.3	39.5
84	81.8	64.5	96.7

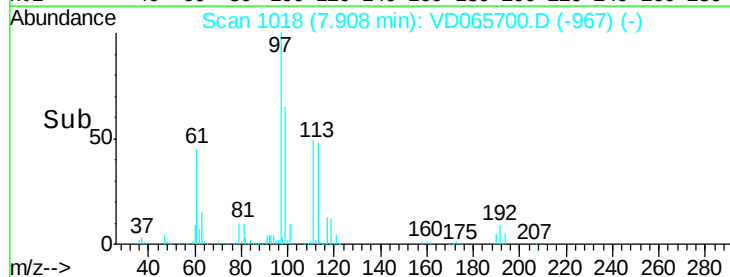
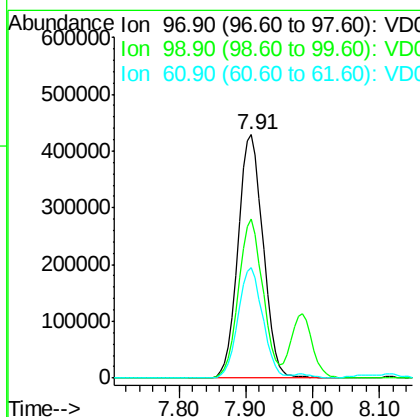
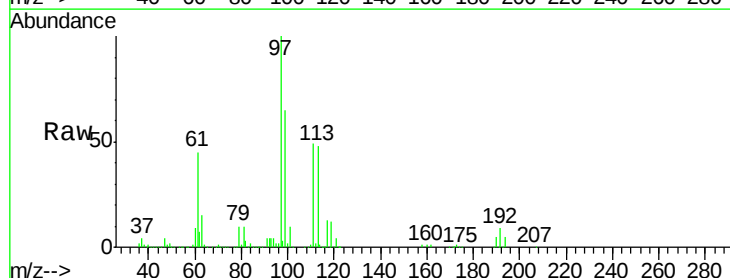
Manual Integrations
APPROVED

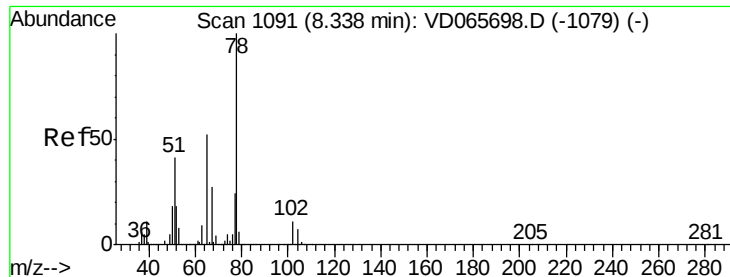
MMDadoda
5/7/2020 10:36:03 AM



#32
1,1,1-Trichloroethane
Concen: 139.405 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065700.D
Acq: 06 May 2020 16:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	50.8	76.2
61	44.7	36.0	54.0





#33

1,2-Dichloroethane-d4

Concen: 146.469 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065700.D

Acq: 06 May 2020 16:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 673807

Ion Ratio Lower Upper

65 100

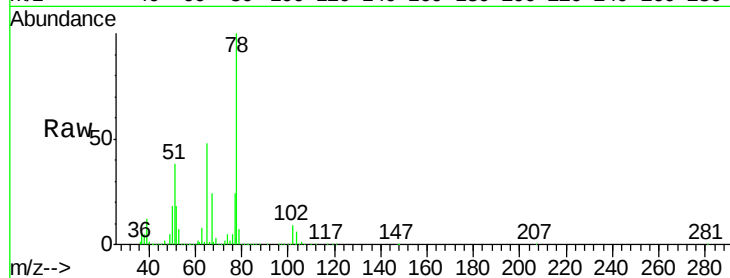
67 51.8 0.0 103.8

Manual Integrations

APPROVED

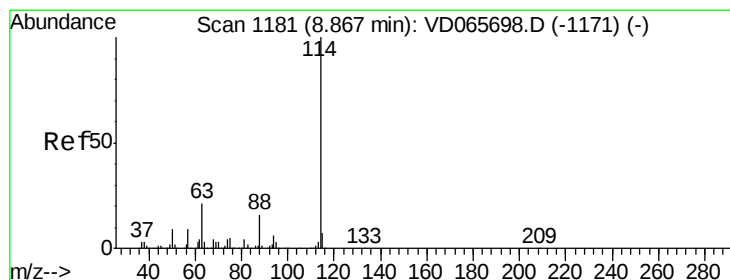
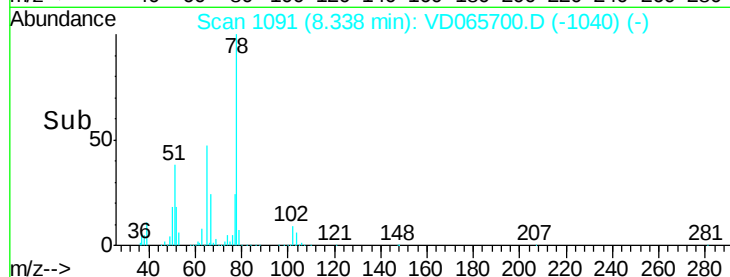
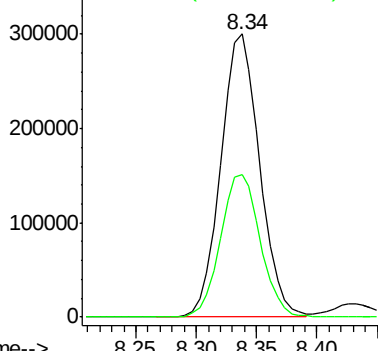
MMDadoda

5/7/2020 10:36:03 AM



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065700.D

Acq: 06 May 2020 16:32

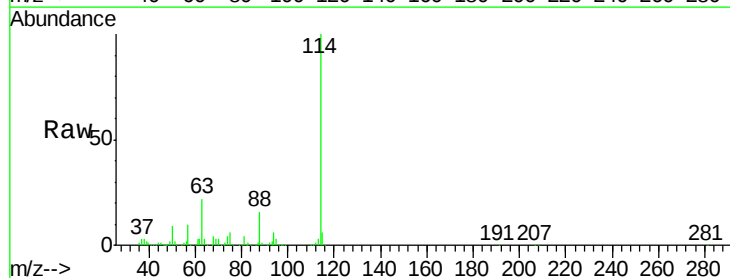
Tgt Ion: 114 Resp: 721363

Ion Ratio Lower Upper

114 100

63 21.8 0.0 42.4

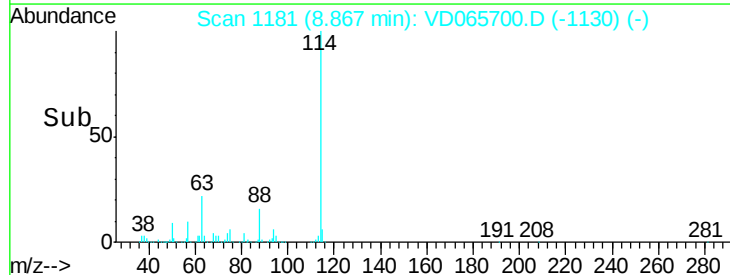
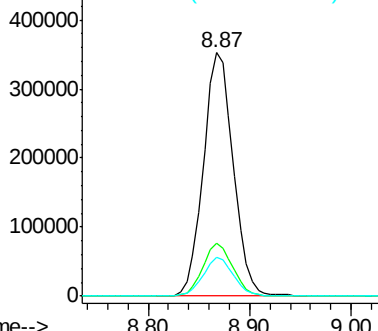
88 16.0 0.0 32.6

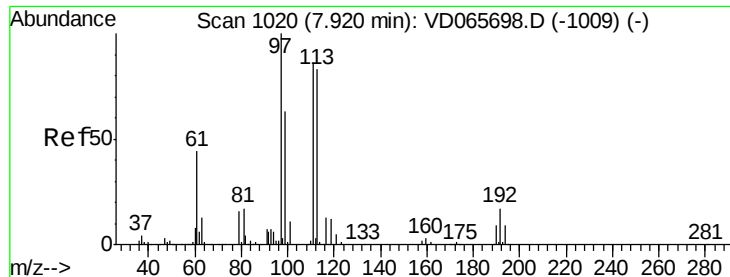


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





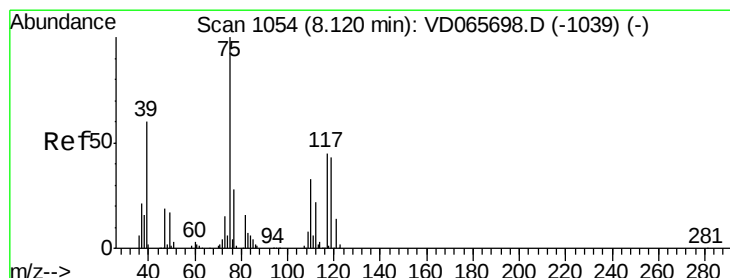
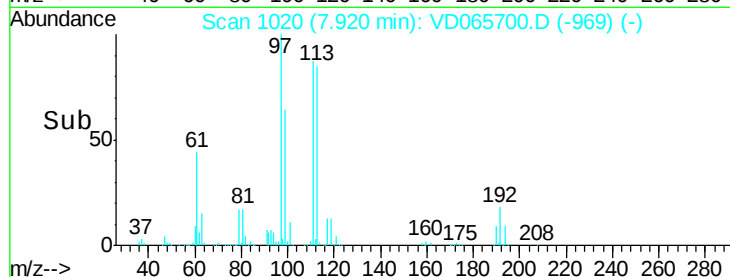
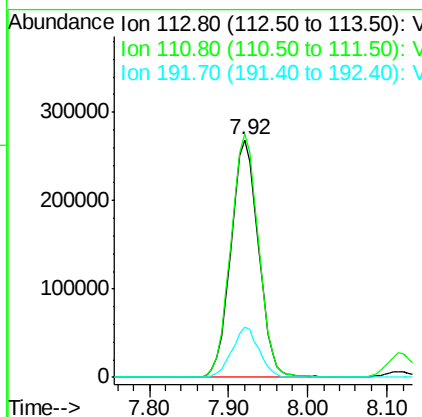
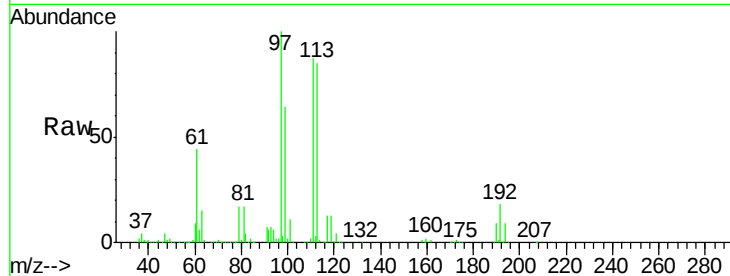
#35
 Dibromofluoromethane
 Concen: 142.642 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065700.D
 Acq: 06 May 2020 16:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.7	124.1
192	20.8	17.0	25.4

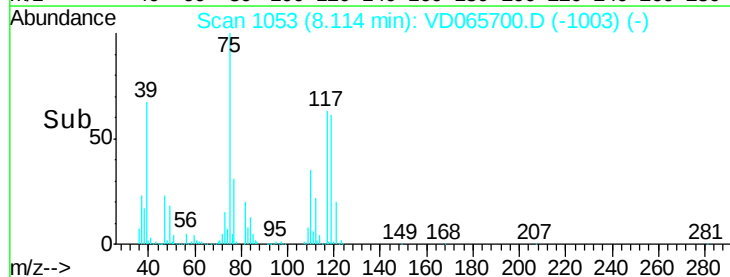
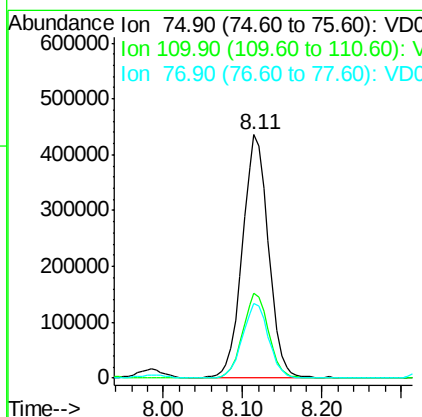
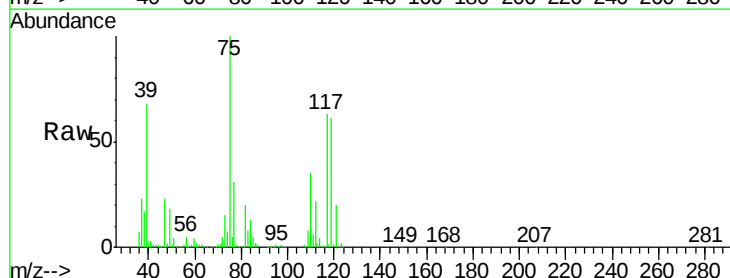
Manual Integrations
 APPROVED

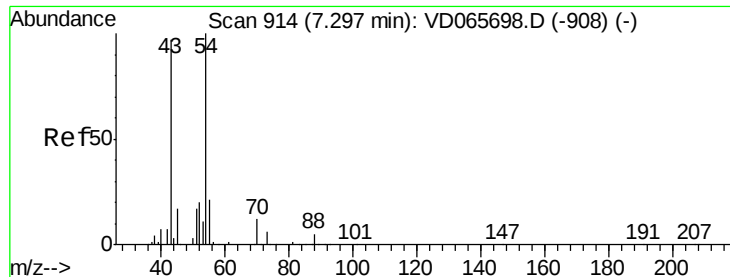
MMDadoda
 5/7/2020 10:36:03 AM



#36
 1,1-Dichloropropene
 Concen: 136.447 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD065700.D
 Acq: 06 May 2020 16:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.7	17.2	51.6
77	30.9	23.7	35.5





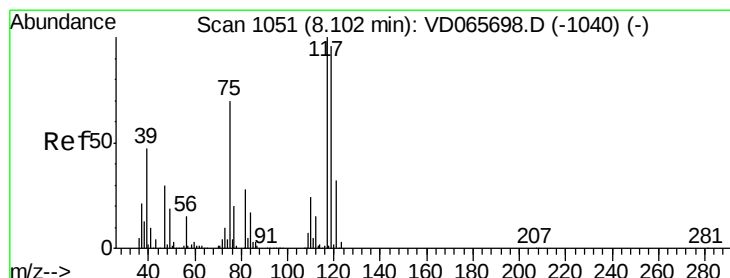
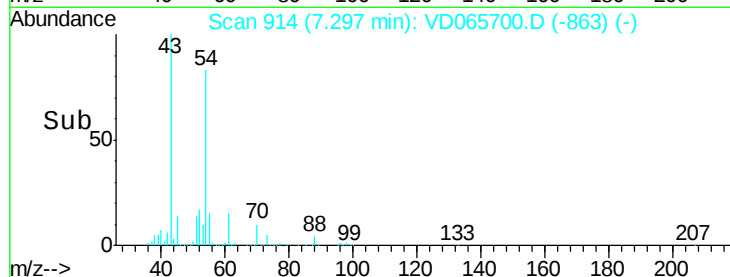
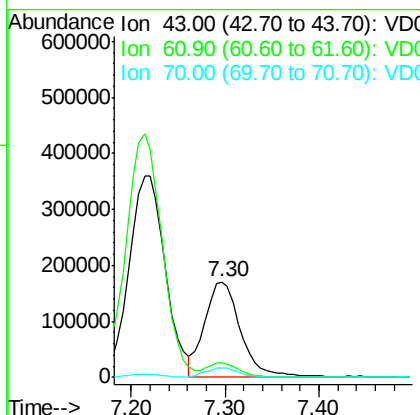
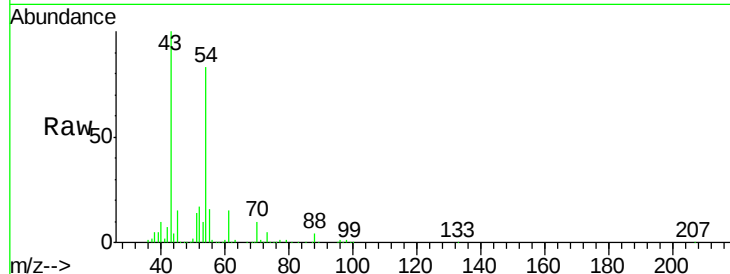
#37
Ethyl Acetate
Concen: 125.623 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD065700.D
Acq: 06 May 2020 16:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	9.9	14.9
70	9.6	7.3	10.9

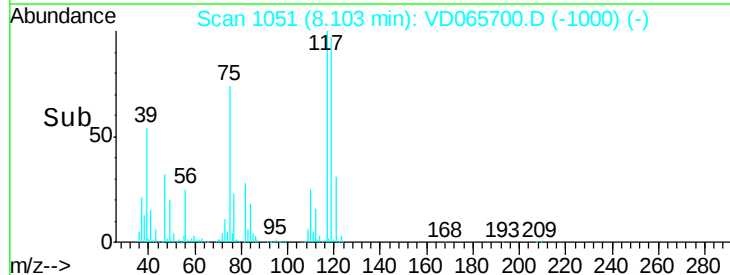
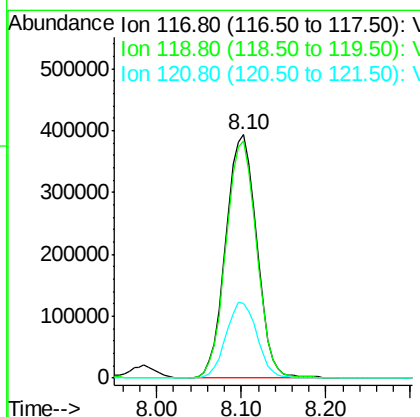
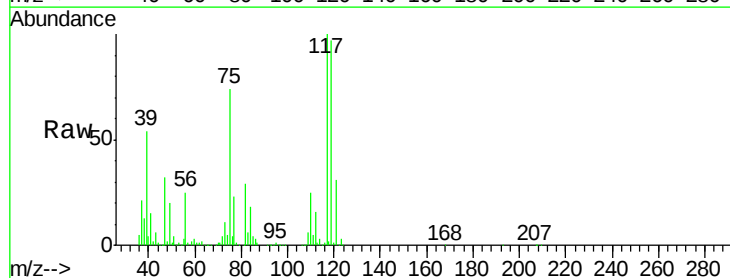
Manual Integrations
APPROVED

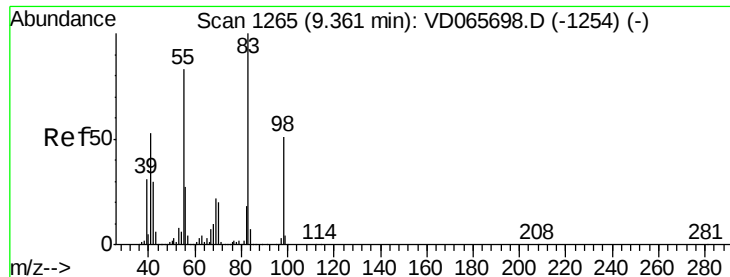
MMDadoda
5/7/2020 10:36:03 AM



#38
Carbon Tetrachloride
Concen: 138.104 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD065700.D
Acq: 06 May 2020 16:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	77.1	115.7
121	30.7	25.5	38.3





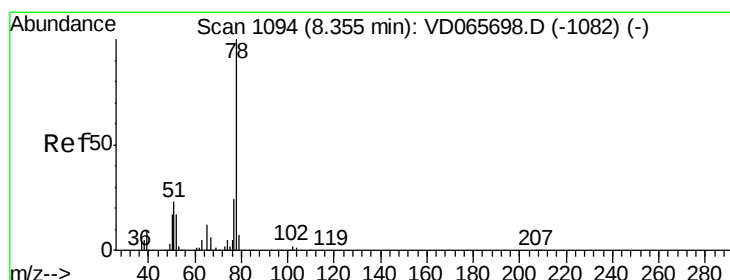
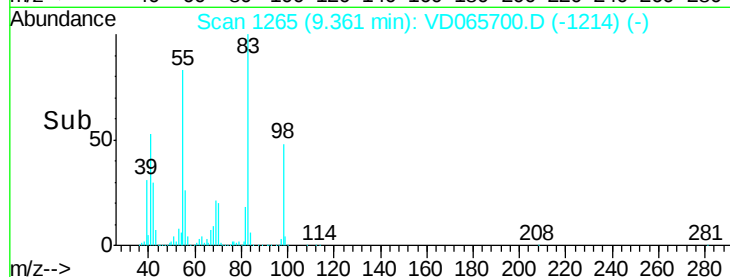
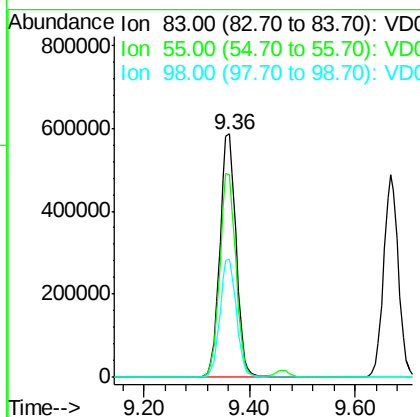
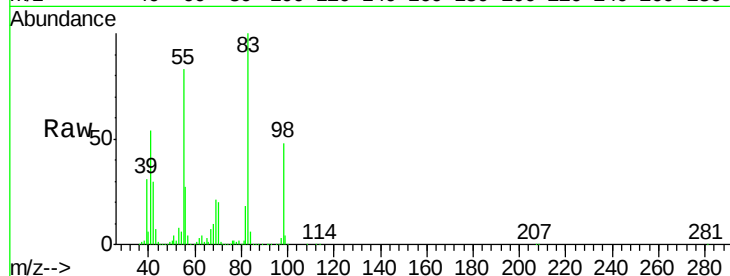
#39
Methvlcvclohexane
Concen: 137.640 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VD065700.D
Acq: 06 May 2020 16:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.1	66.0	99.0
98	48.4	41.0	61.4

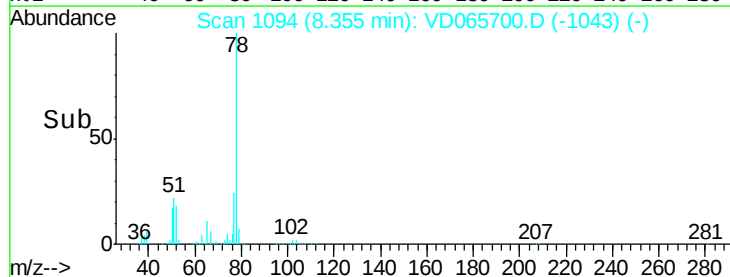
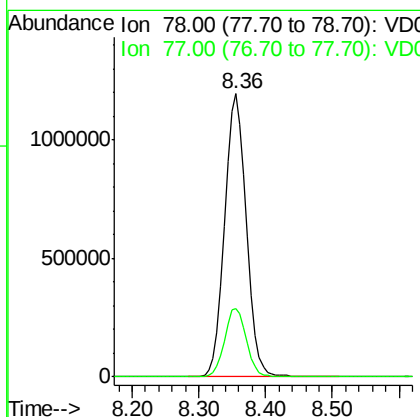
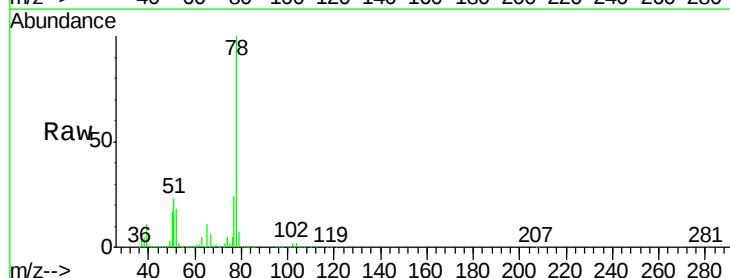
Manual Integrations
APPROVED

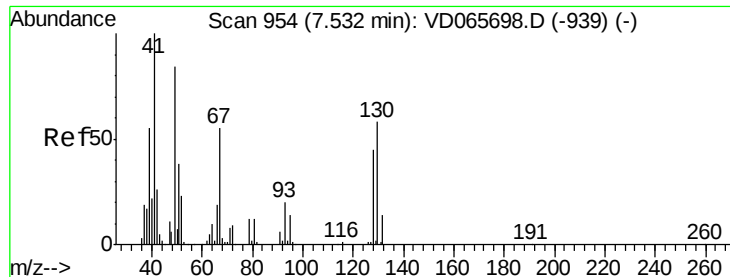
MMDadoda
5/7/2020 10:36:03 AM



#40
Benzene
Concen: 138.371 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065700.D
Acq: 06 May 2020 16:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.6	29.4





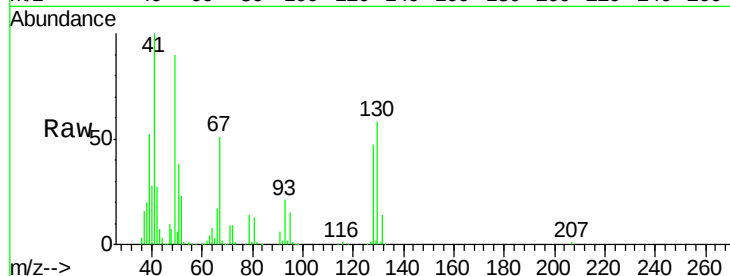
#41
Methacrylonitrile
Concen: 110.591 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD065700.D
Acq: 06 May 2020 16:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

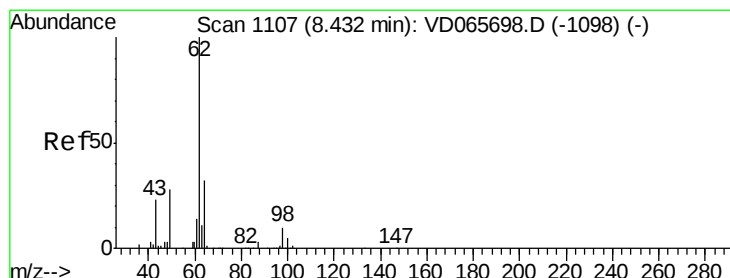
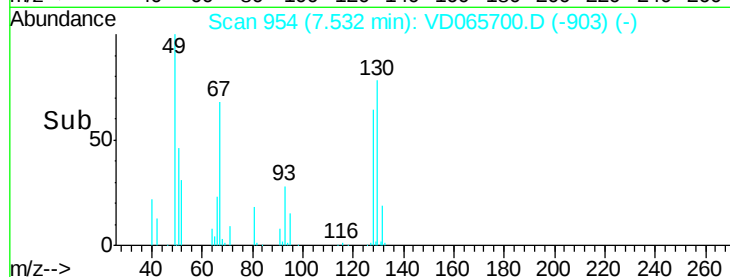
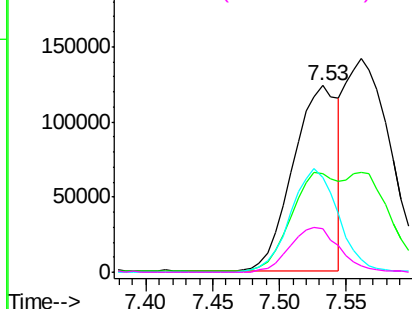
Tot Ion	41	Resp	289918
Ion Ratio	Lower	Upper	
41	100		
39	54.3	52.5	78.7
67	60.0	59.4	89.0
52	26.4	25.6	38.4

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:03 AM

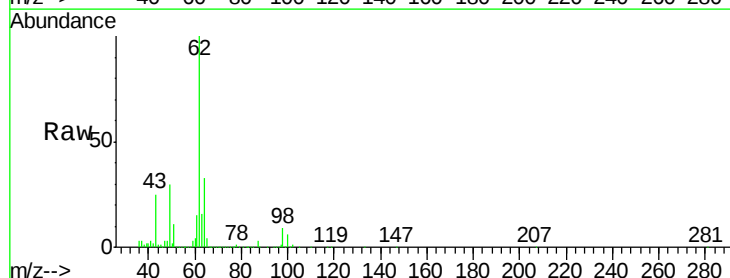


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

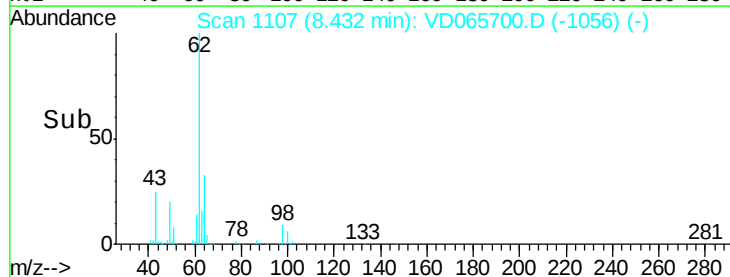
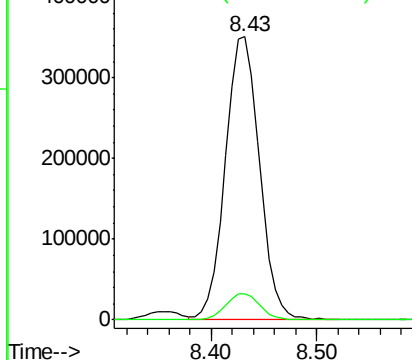


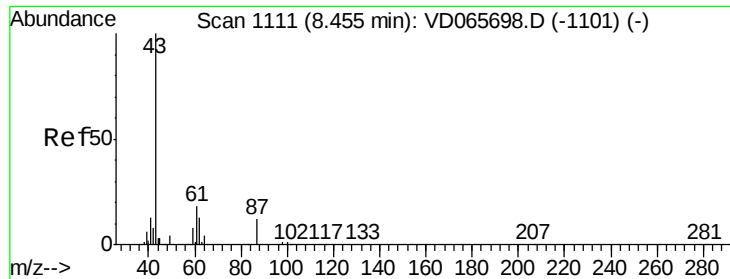
#42
1,2-Dichloroethane
Concen: 136.962 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065700.D
Acq: 06 May 2020 16:32

Tgt Ion	62	Resp	782423
Ion Ratio	Lower	Upper	
62	100		
98	9.5	0.0	19.2



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





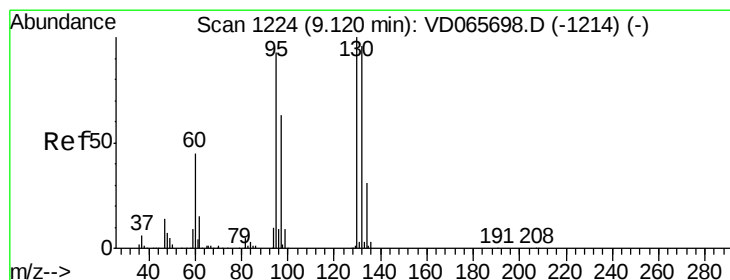
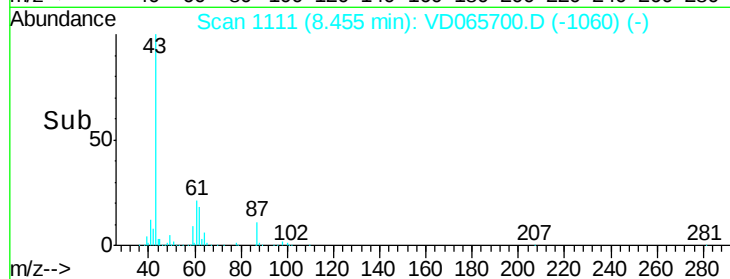
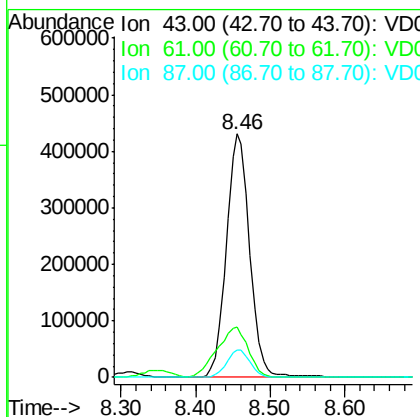
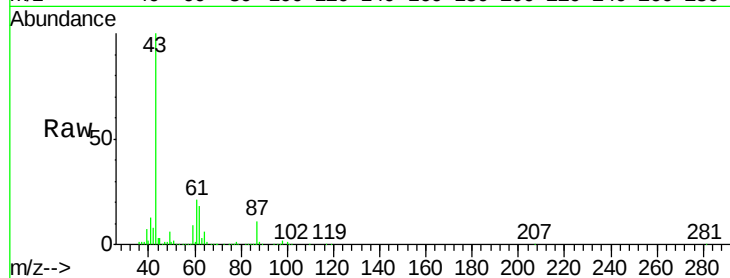
#43
Isopropyl Acetate
Concen: 131.127 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD065700.D
Acq: 06 May 2020 16:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.8	21.9	32.9
87	11.4	9.4	14.2

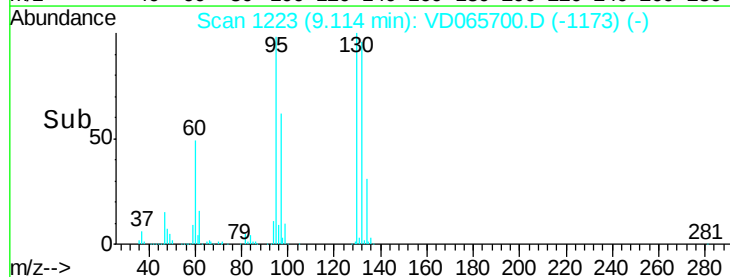
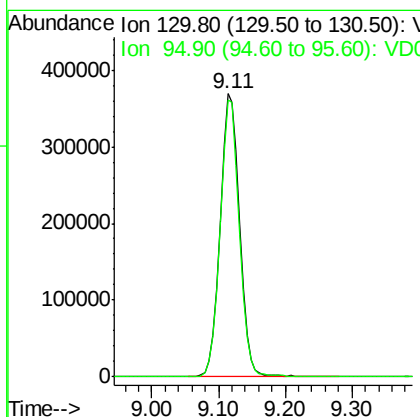
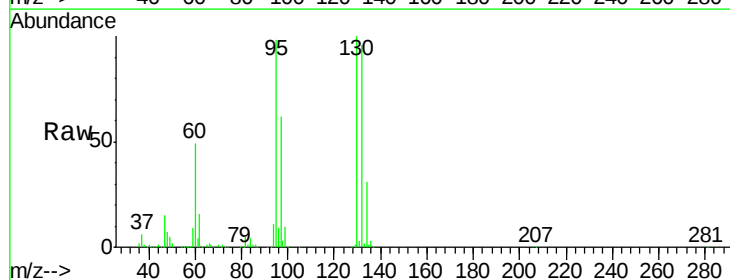
Manual Integrations
APPROVED

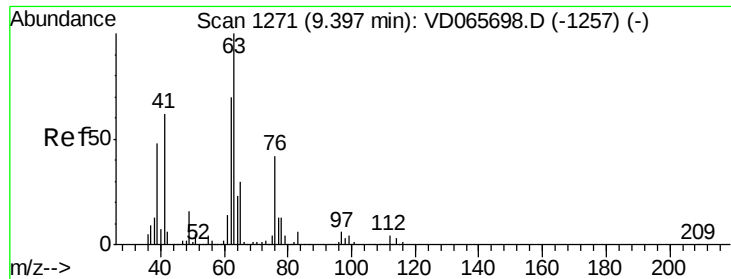
MMDadoda
5/7/2020 10:36:03 AM



#44
Trichloroethene
Concen: 139.329 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD065700.D
Acq: 06 May 2020 16:32

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.7	0.0	185.2





#45

1,2-Dichloropropane

Concen: 138.210 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD065700.D

Acq: 06 May 2020 16:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 708587

Ion Ratio Lower Upper

63 100

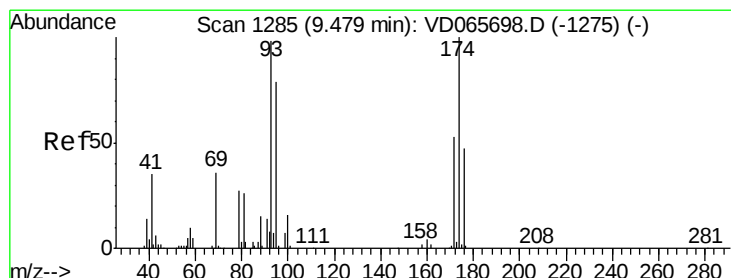
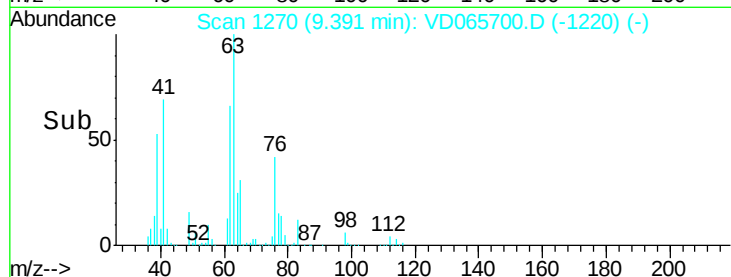
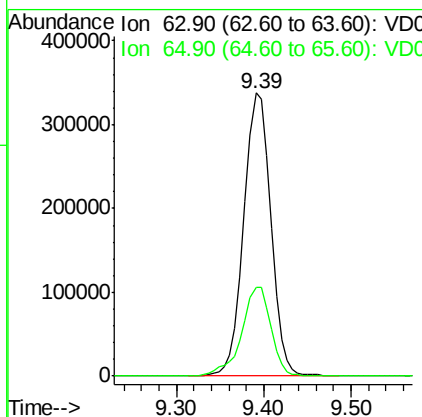
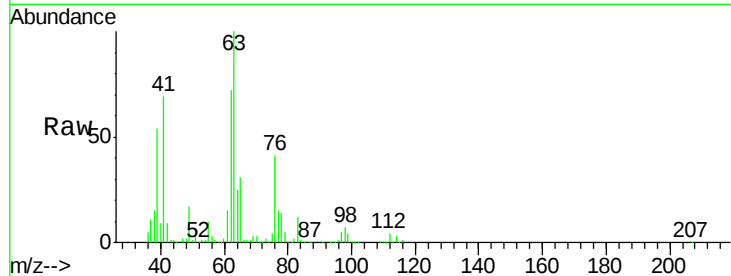
65 31.4 24.1 36.1

Manual Integrations

APPROVED

MMDadoda

5/7/2020 10:36:03 AM



#46

Dibromomethane

Concen: 136.672 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065700.D

Acq: 06 May 2020 16:32

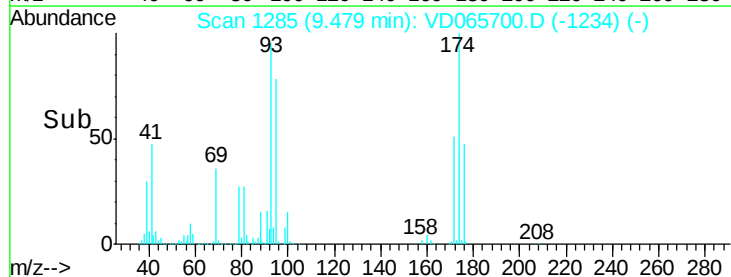
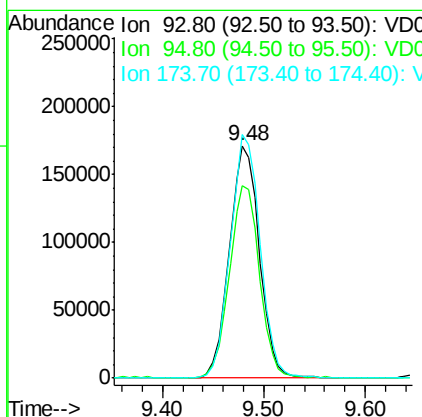
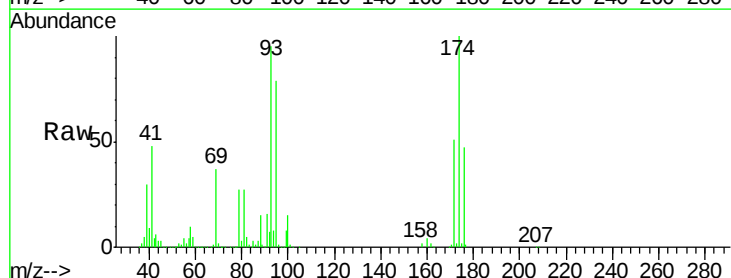
Tgt Ion: 93 Resp: 352090

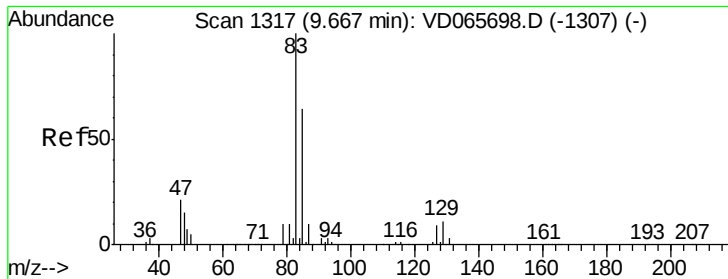
Ion Ratio Lower Upper

93 100

95 82.8 65.3 97.9

174 104.2 82.7 124.1





#47

Bromodichloromethane

Concen: 138.009 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065700.D

Acq: 06 May 2020 16:32

Instrument :

MSVOA_D

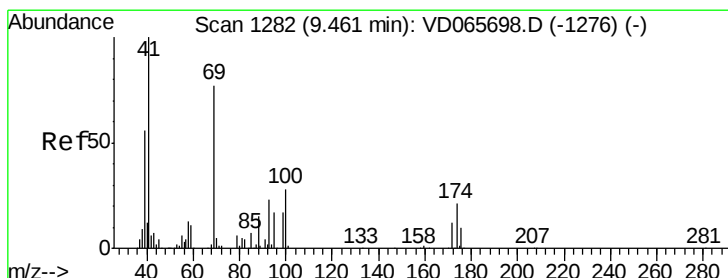
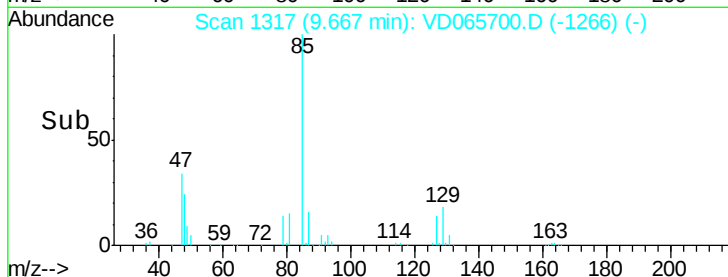
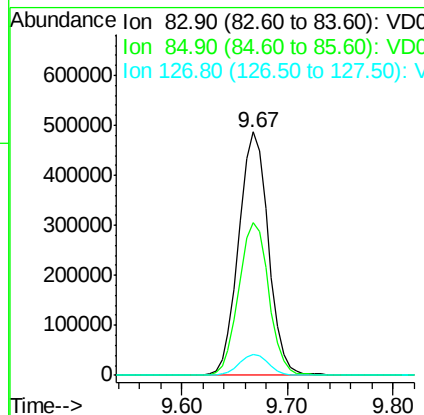
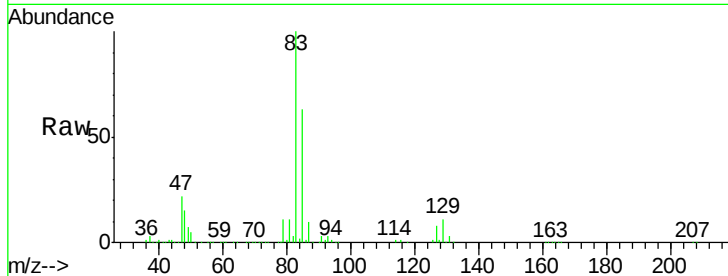
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	949314
Ion	Ratio	Lower	Upper
83	100		
85	62.9	50.9	76.3
127	8.5	6.9	10.3

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:03 AM



#48

Methyl methacrylate

Concen: 133.819 ug/l

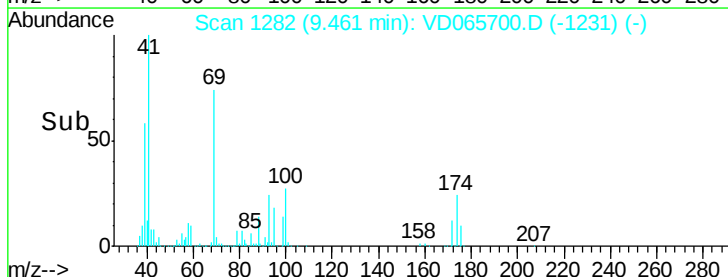
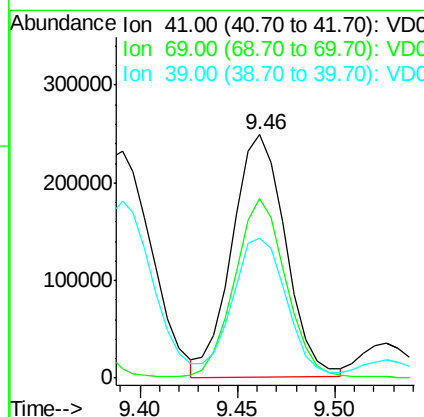
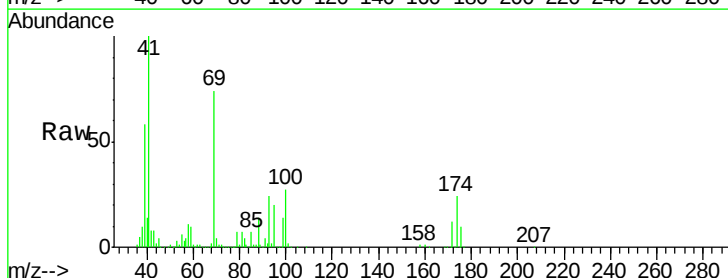
RT: 9.46 min Scan# 1282

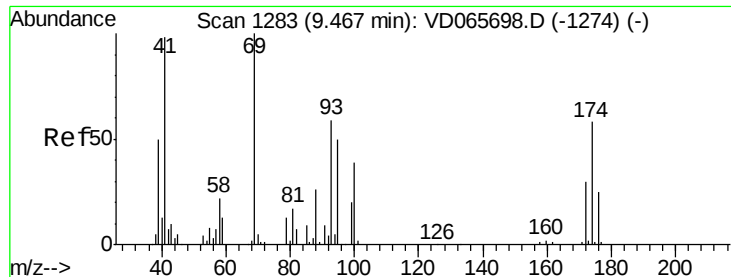
Delta R.T. 0.00 min

Lab File: VD065700.D

Acq: 06 May 2020 16:32

Tgt Ion:	41	Resp:	470675
Ion	Ratio	Lower	Upper
41	100		
69	71.2	58.2	87.2
39	53.7	43.3	64.9





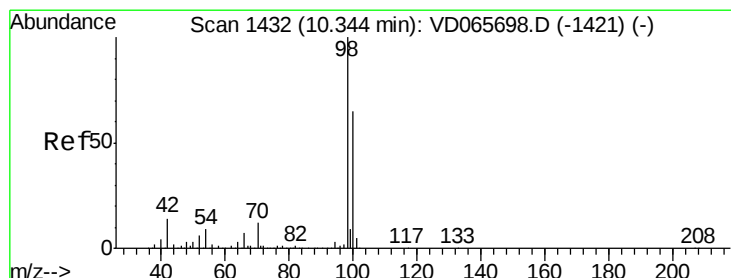
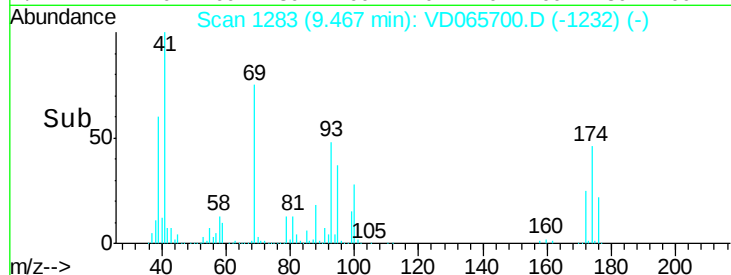
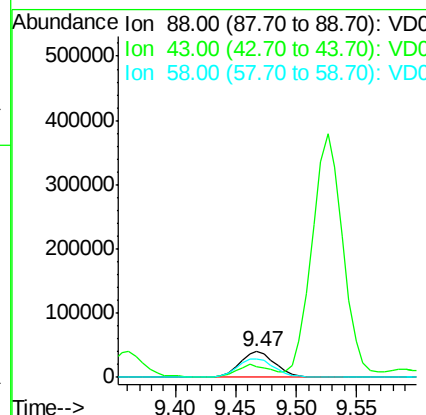
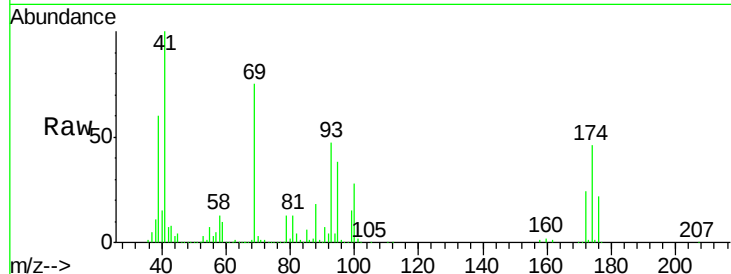
#49
 1,4-Dioxane
 Concen: 2604.182 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VD065700.D
 Acq: 06 May 2020 16:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	88	Resp	82840
Ion	Ratio	Lower	Upper
88	100		
43	41.2	31.6	47.4
58	75.5	60.2	90.4

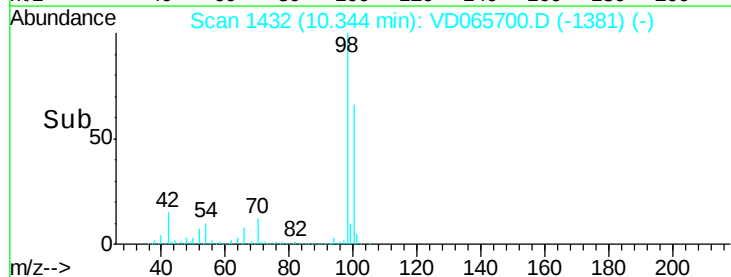
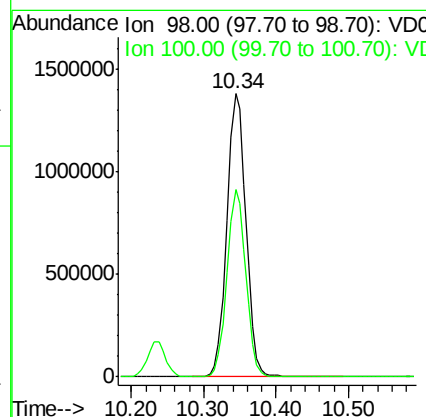
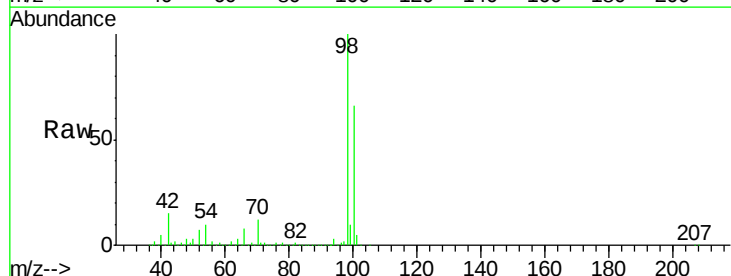
Manual Integrations
 APPROVED

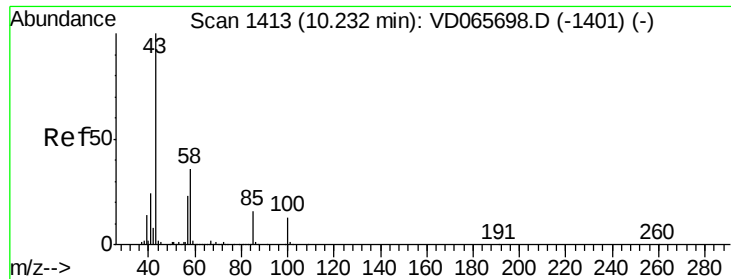
MMDadoda
 5/7/2020 10:36:03 AM



#50
 Toluene-d8
 Concen: 144.807 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD065700.D
 Acq: 06 May 2020 16:32

Tgt Ion	98	Resp	2521701
Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.6	78.8





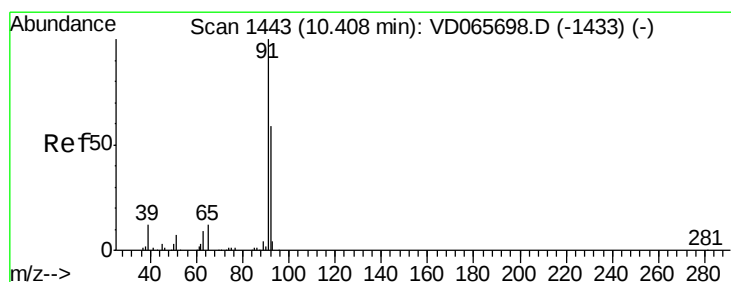
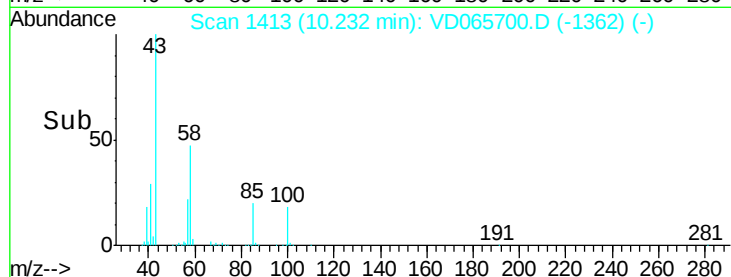
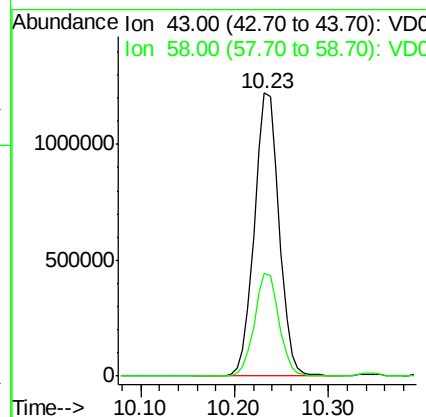
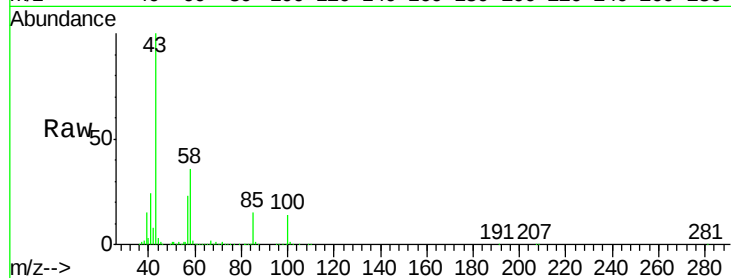
#51
4-Methyl-2-Pentanone
Concen: 654.714 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD065700.D
Acq: 06 May 2020 16:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2223696
Ion Ratio Lower Upper
43 100
58 36.0 28.6 42.8

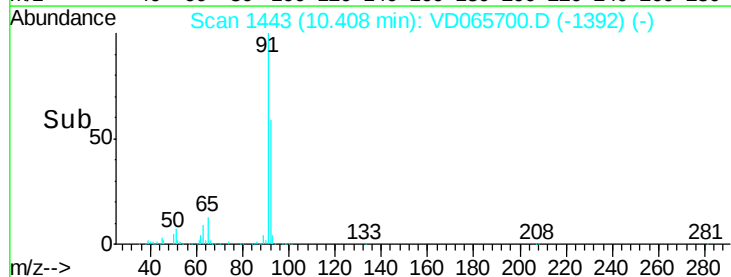
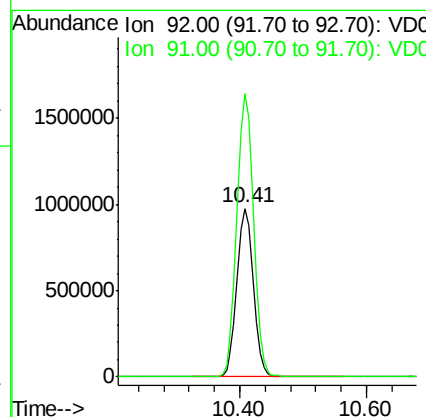
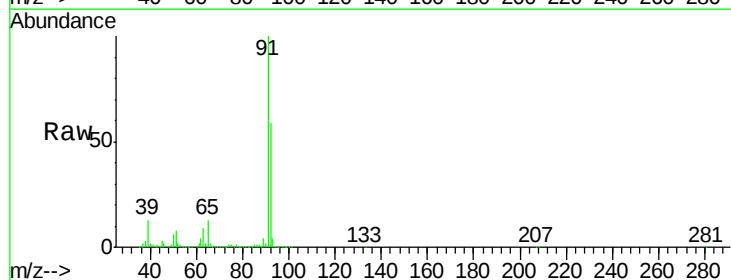
Manual Integrations
APPROVED

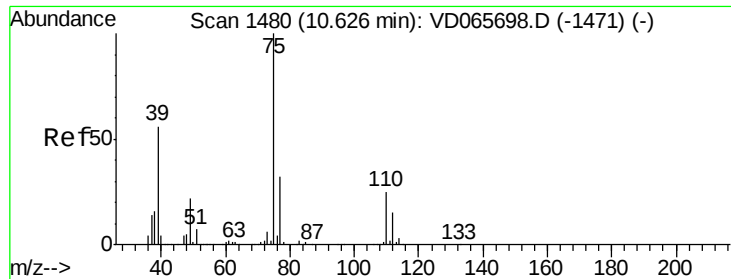
MMDadoda
5/7/2020 10:36:03 AM



#52
Toluene
Concen: 139.249 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065700.D
Acq: 06 May 2020 16:32

Tgt Ion: 92 Resp: 1743740
Ion Ratio Lower Upper
92 100
91 170.7 138.1 207.1





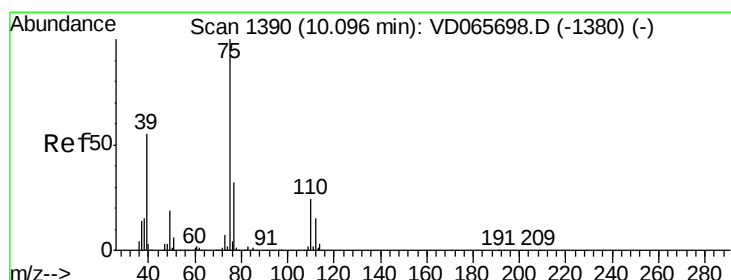
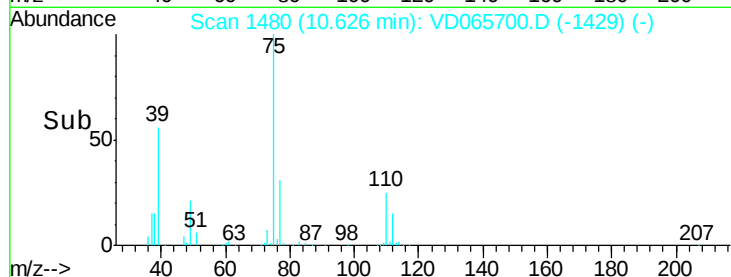
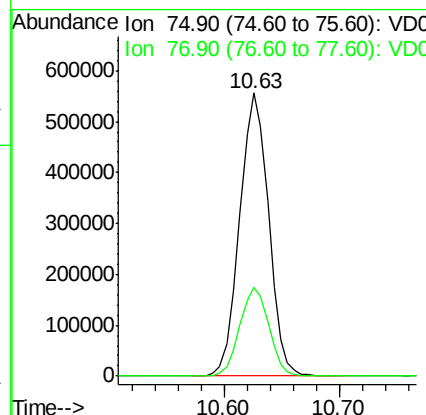
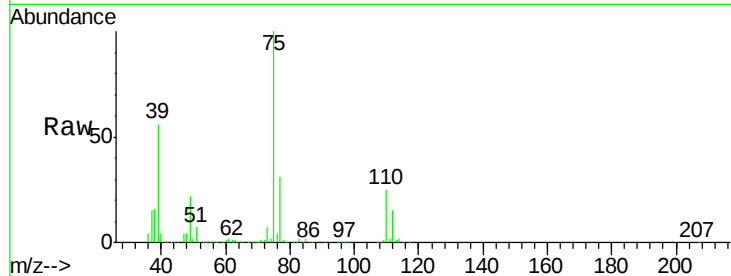
#53
t-1,3-Dichloropropene
Concen: 138.869 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065700.D
Acq: 06 May 2020 16:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 966618
Ion Ratio Lower Upper
75 100
77 31.4 25.4 38.0

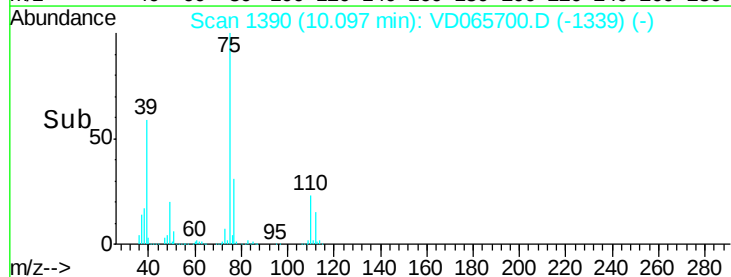
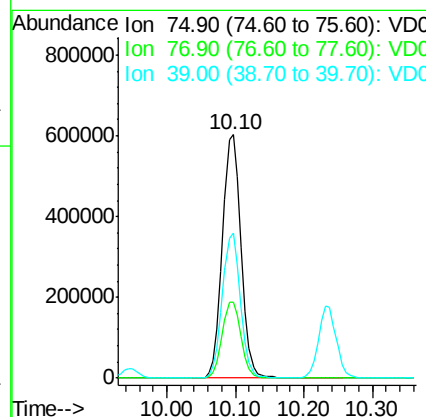
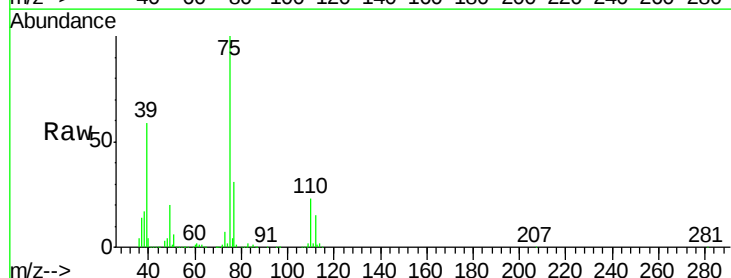
Manual Integrations
APPROVED

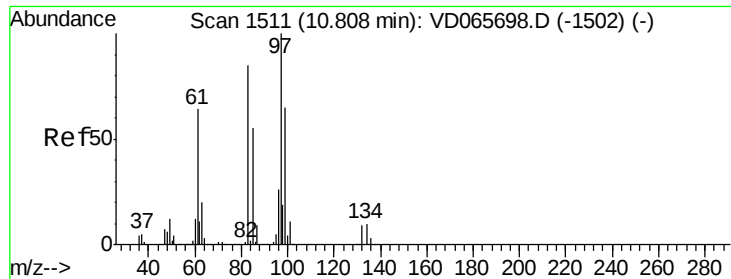
MMDadoda
5/7/2020 10:36:03 AM



#54
cis-1,3-Dichloropropene
Concen: 138.094 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD065700.D
Acq: 06 May 2020 16:32

Tgt Ion: 75 Resp: 1133387
Ion Ratio Lower Upper
75 100
77 31.3 25.8 38.8
39 59.3 44.4 66.6





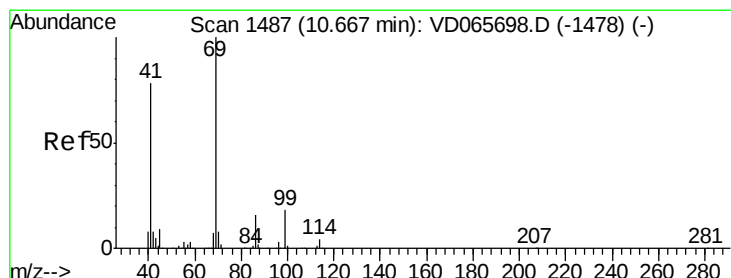
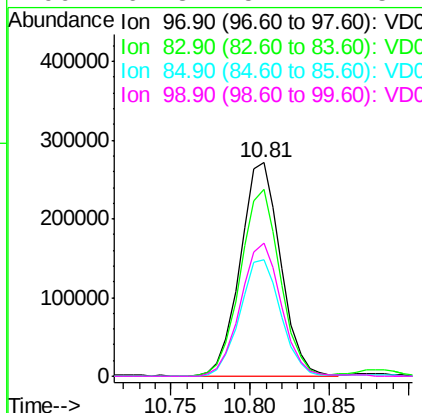
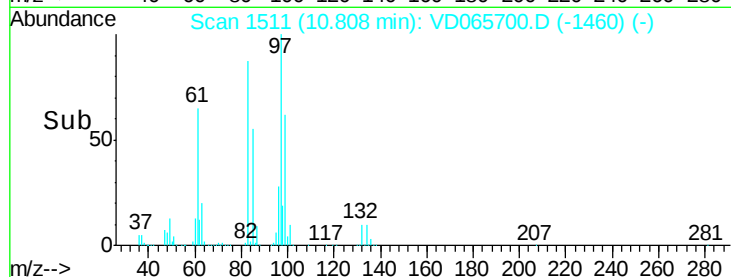
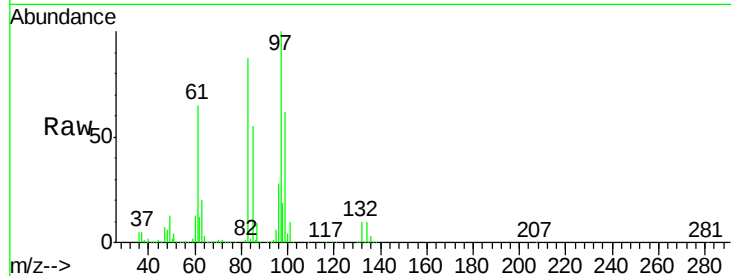
#55
 1,1,2-Trichloroethane
 Concen: 137.959 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065700.D
 Acq: 06 May 2020 16:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	478432
Ion	Ratio	Lower	Upper
97	100		
83	87.3	68.2	102.4
85	54.7	43.6	65.4
99	62.3	52.2	78.4

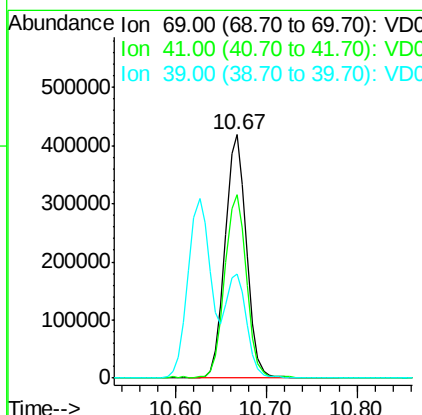
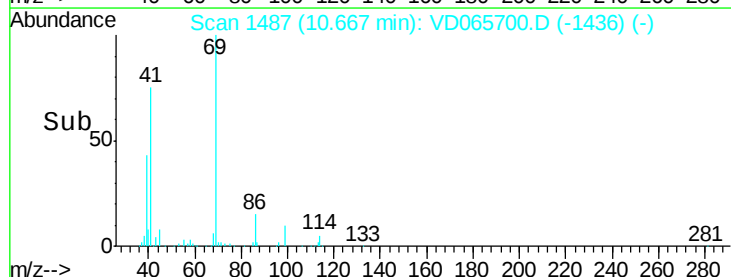
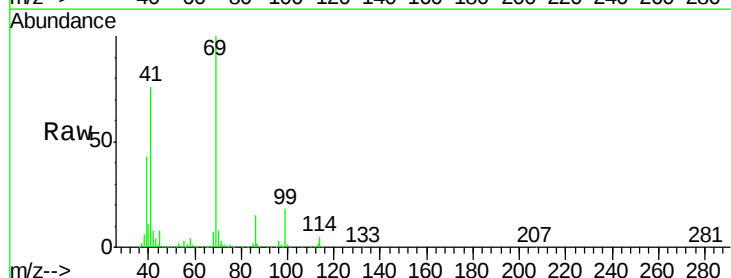
Manual Integrations
 APPROVED

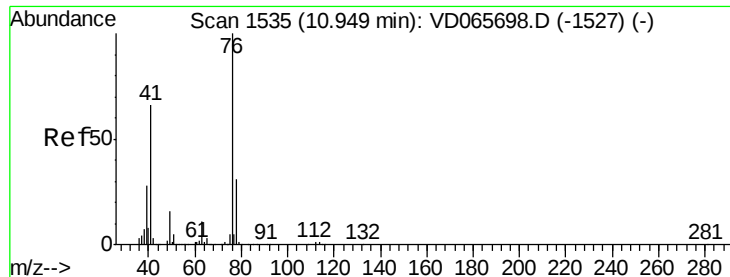
MMDadoda
 5/7/2020 10:36:03 AM



#56
 Ethyl methacrylate
 Concen: 135.813 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065700.D
 Acq: 06 May 2020 16:32

Tgt Ion:	69	Resp:	681707
Ion	Ratio	Lower	Upper
69	100		
41	76.3	61.4	92.0
39	40.4	32.7	49.1





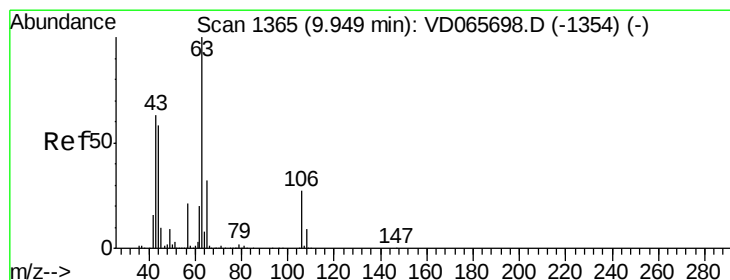
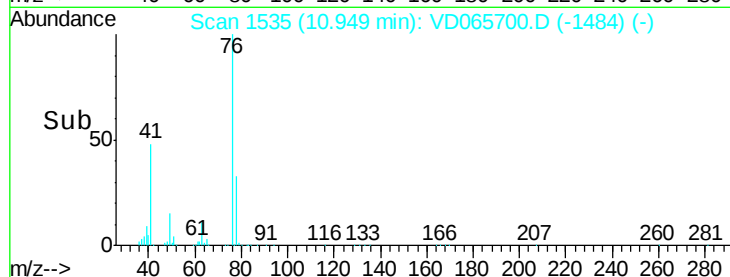
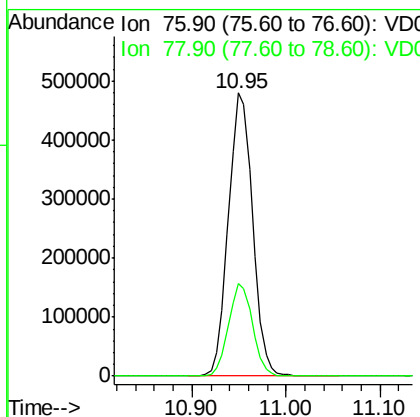
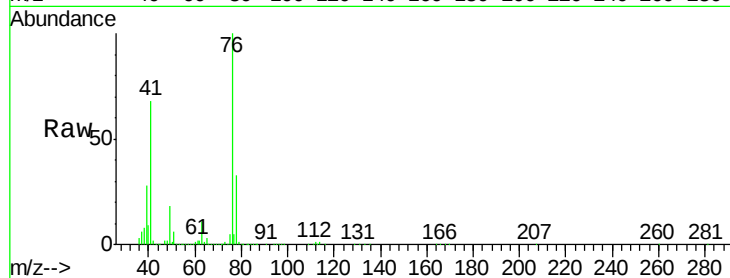
#57
 1,3-Dichloropropane
 Concen: 138.007 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065700.D
 Acq: 06 May 2020 16:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 860376
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.8

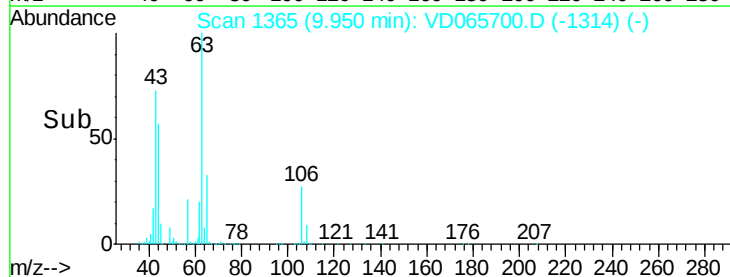
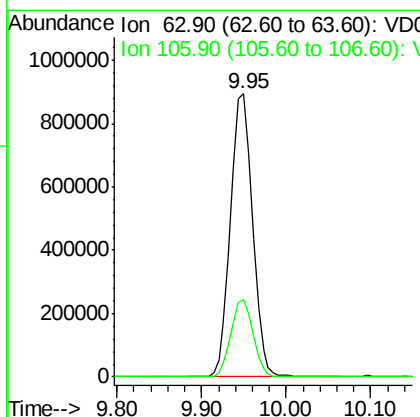
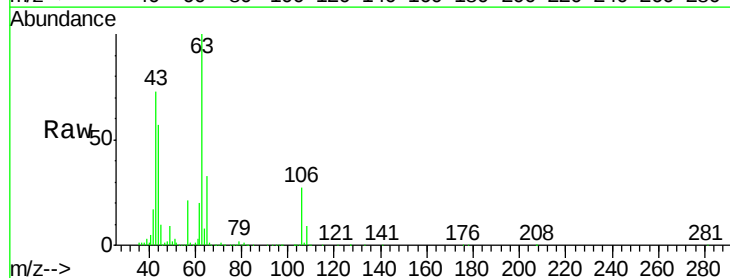
Manual Integrations
 APPROVED

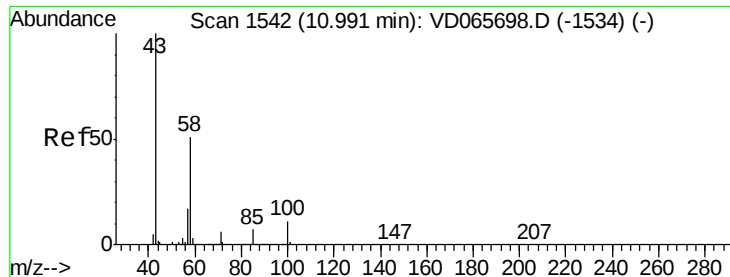
MMDadoda
 5/7/2020 10:36:03 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 704.731 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065700.D
 Acq: 06 May 2020 16:32

Tgt Ion: 63 Resp: 1614557
 Ion Ratio Lower Upper
 63 100
 106 27.3 22.0 33.0





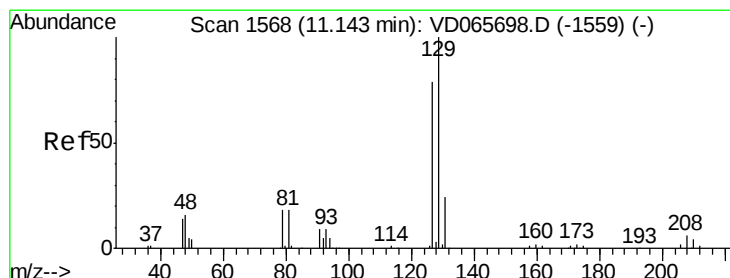
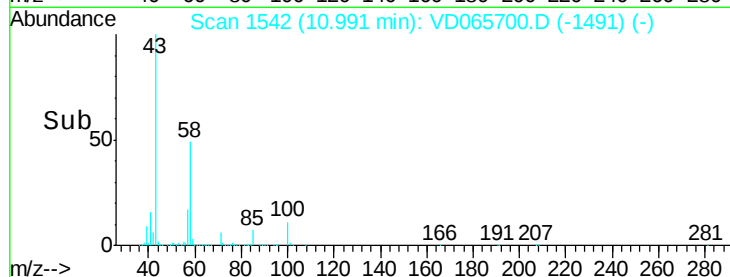
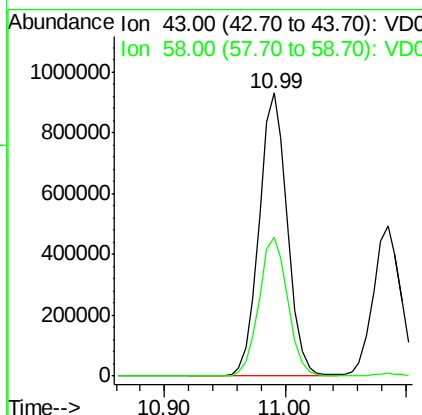
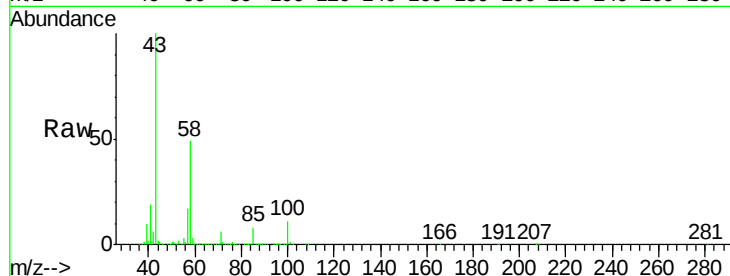
#59
2-Hexanone
Concen: 644.630 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065700.D
Acq: 06 May 2020 16:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1509359
Ion Ratio Lower Upper
43 100
58 50.1 25.4 76.0

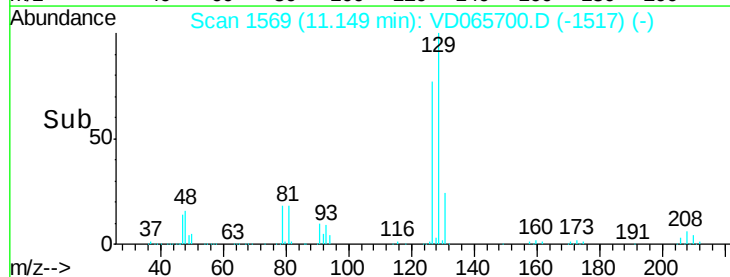
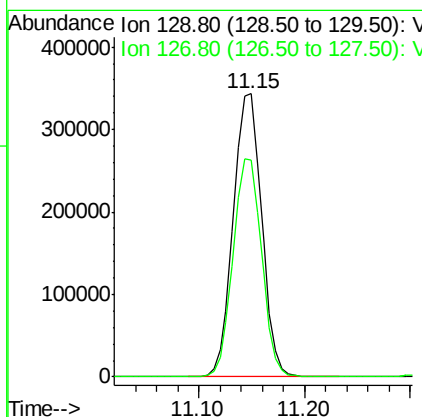
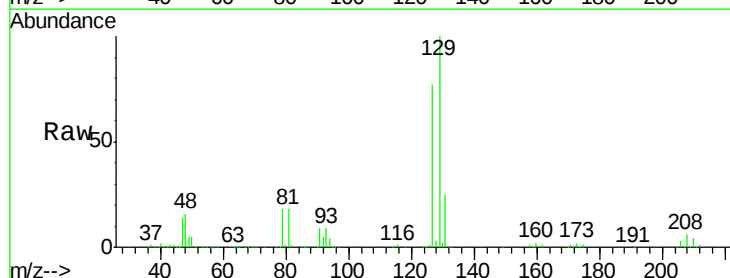
Manual Integrations
APPROVED

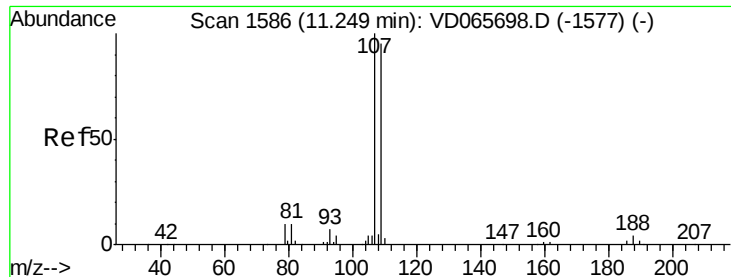
MMDadoda
5/7/2020 10:36:03 AM



#60
Dibromochloromethane
Concen: 137.212 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD065700.D
Acq: 06 May 2020 16:32

Tgt Ion: 129 Resp: 639747
Ion Ratio Lower Upper
129 100
127 77.4 38.9 116.6





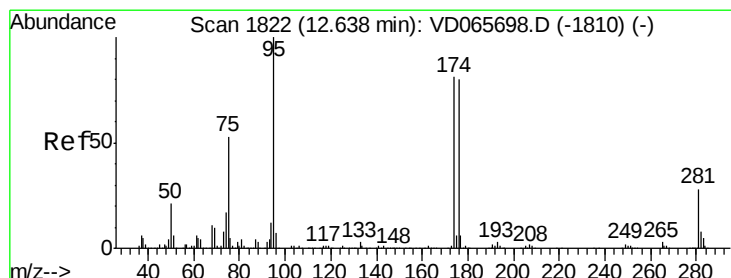
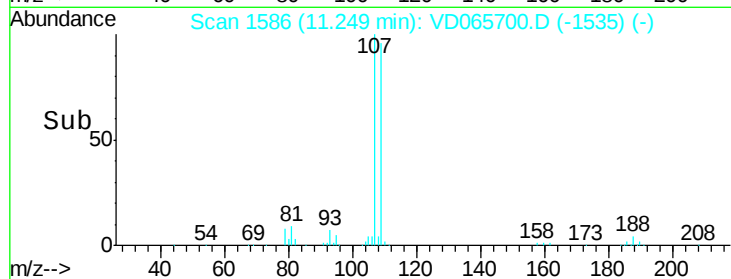
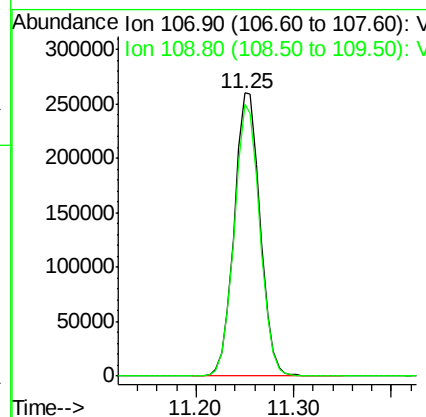
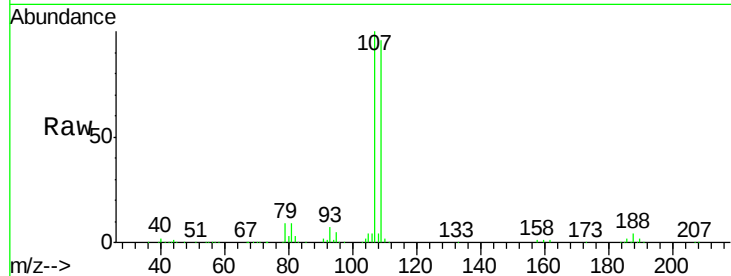
#61
 1,2-Dibromoethane
 Concen: 136.566 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065700.D
 Acq: 06 May 2020 16:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	74.9	112.3

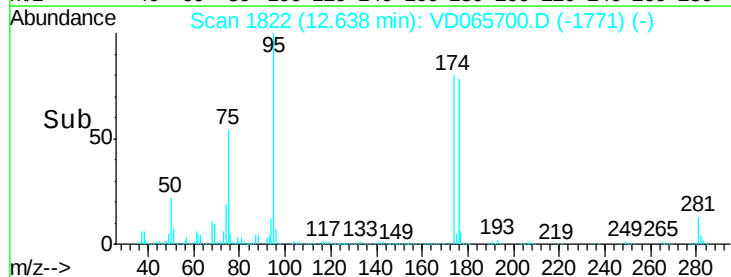
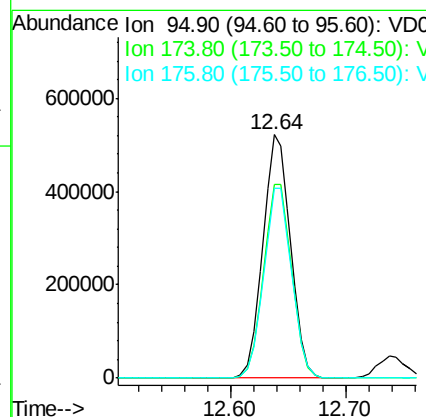
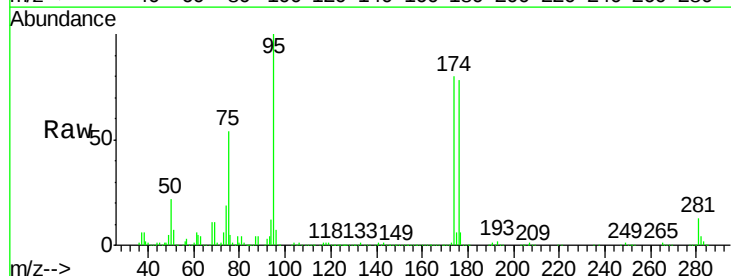
Manual Integrations
 APPROVED

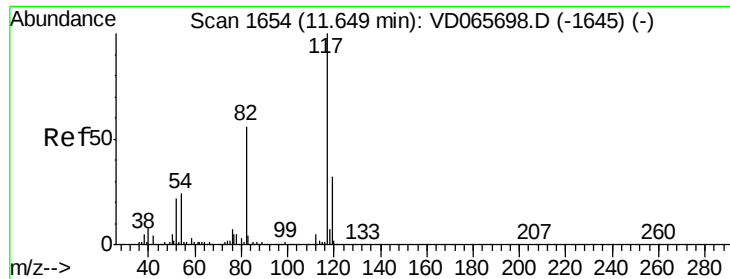
MMDadoda
 5/7/2020 10:36:03 AM



#62
 4-Bromofluorobenzene
 Concen: 140.419 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065700.D
 Acq: 06 May 2020 16:32

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.2	0.0	162.6
176	78.8	0.0	159.0





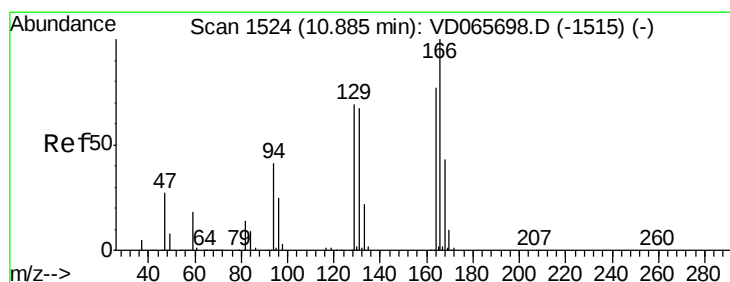
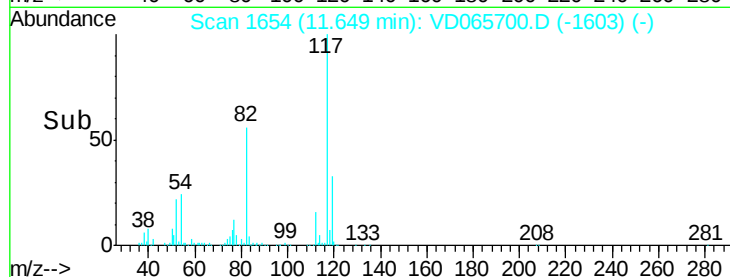
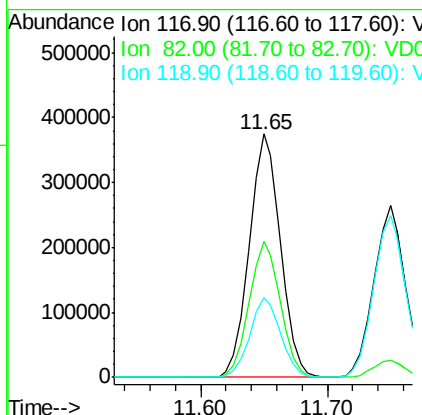
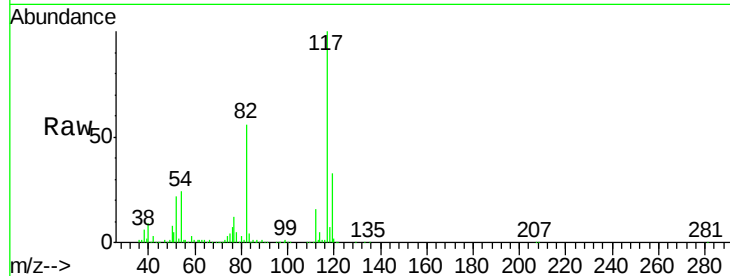
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065700.D
Acq: 06 May 2020 16:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	641257		
82	56.0		44.9	67.3
119	32.9		25.4	38.2

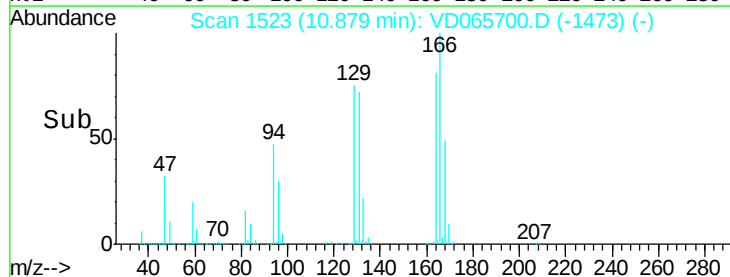
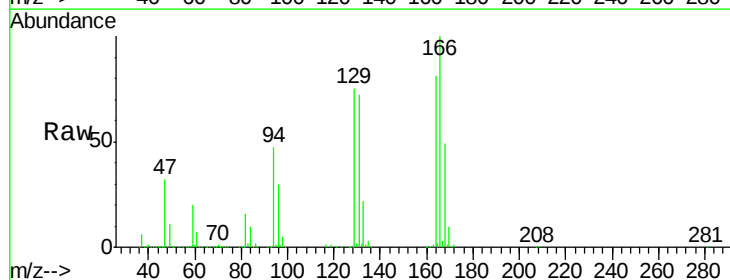
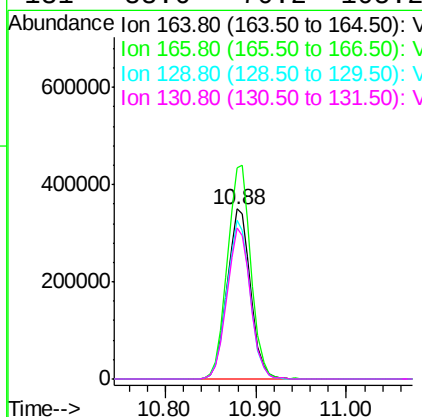
Manual Integrations
APPROVED

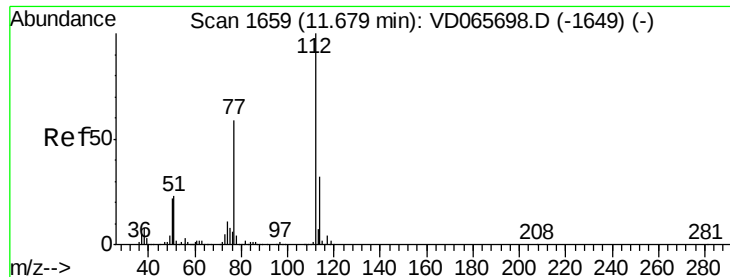
MMDadoda
5/7/2020 10:36:03 AM



#64
Tetrachloroethene
Concen: 134.798 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.01 min
Lab File: VD065700.D
Acq: 06 May 2020 16:32

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	625726		
166	123.7		104.3	156.5
129	93.3		71.9	107.9
131	88.6		70.2	105.2





#65

Chlorobenzene

Concen: 139.474 ug/l

RT: 11.68 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VD065700.D

Acq: 06 May 2020 16:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 1823292

Ion Ratio Lower Upper

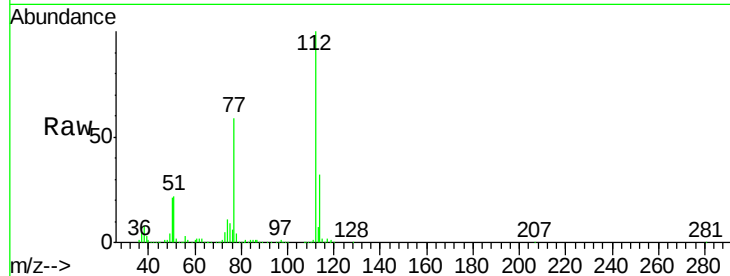
112 100

114 31.9 25.4 38.0

Manual Integrations
APPROVED

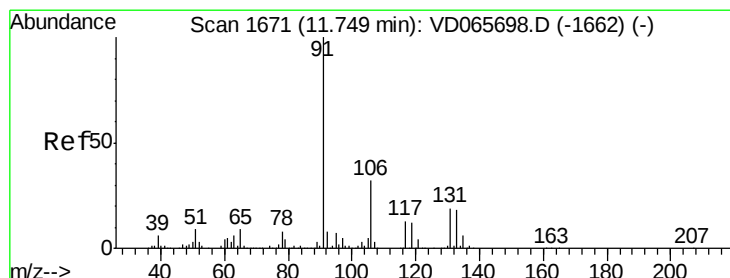
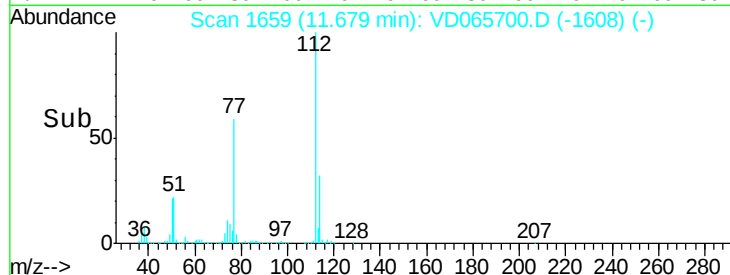
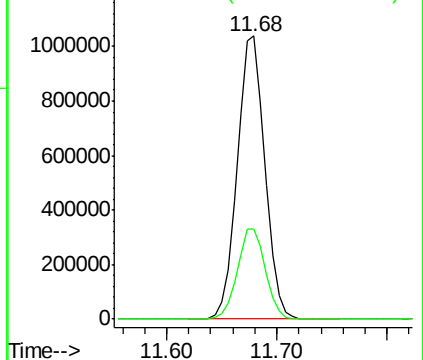
MMDadoda

5/7/2020 10:36:03 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 139.570 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065700.D

Acq: 06 May 2020 16:32

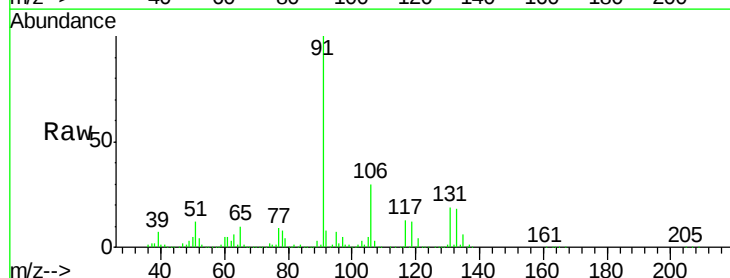
Tgt Ion:131 Resp: 680208

Ion Ratio Lower Upper

131 100

133 95.3 47.3 141.8

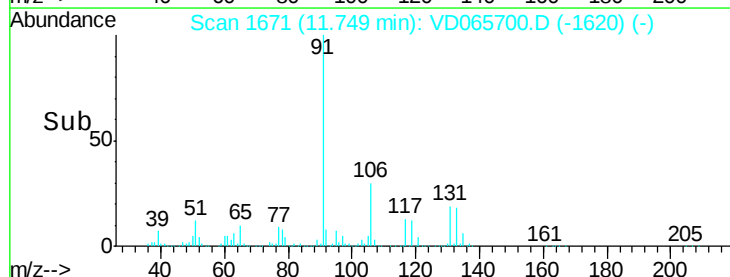
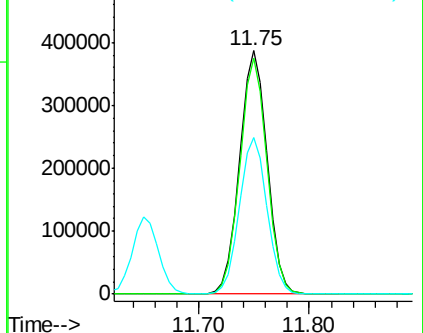
119 64.4 31.8 95.4

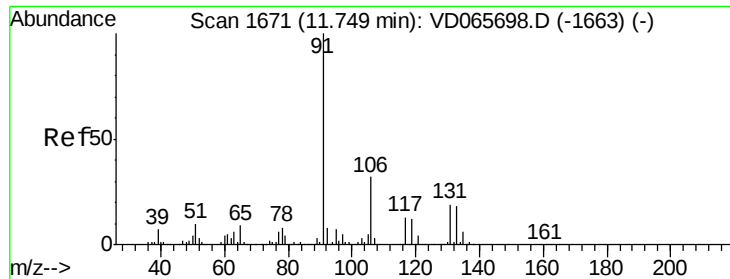


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 138.582 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065700.D

Acq: 06 May 2020 16:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 3383072

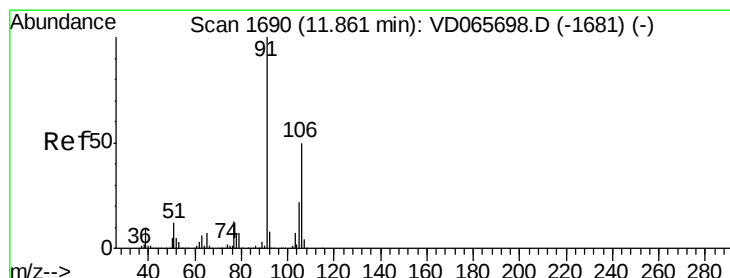
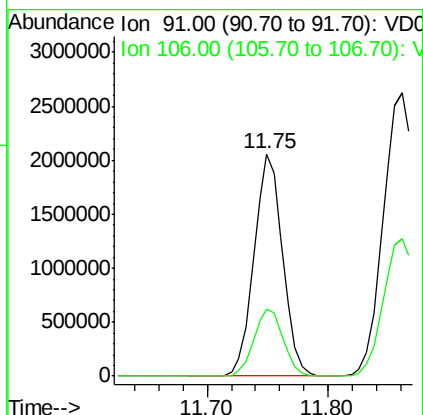
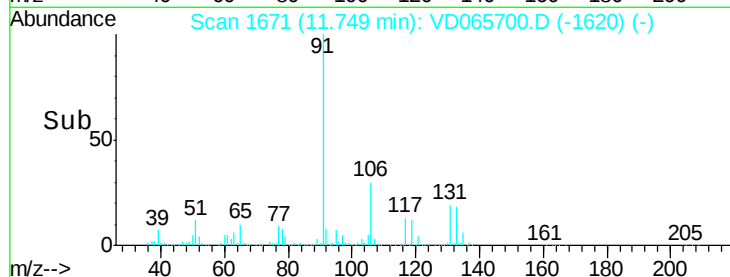
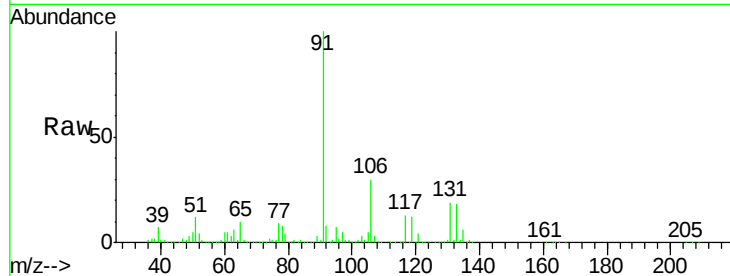
Ion Ratio Lower Upper

91 100

106 30.1 25.2 37.8

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:03 AM



#68

m/p-Xylenes

Concen: 273.119 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065700.D

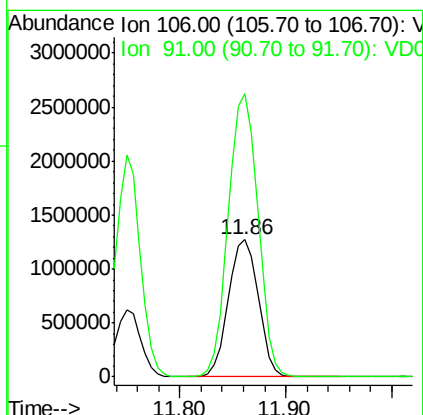
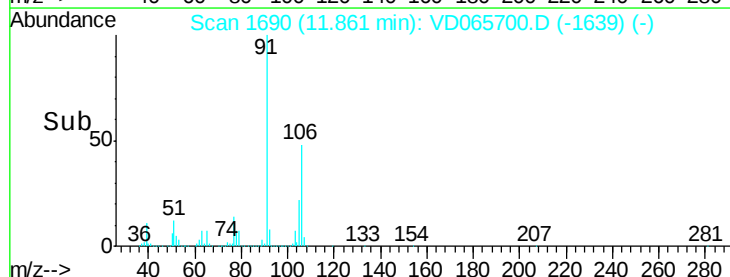
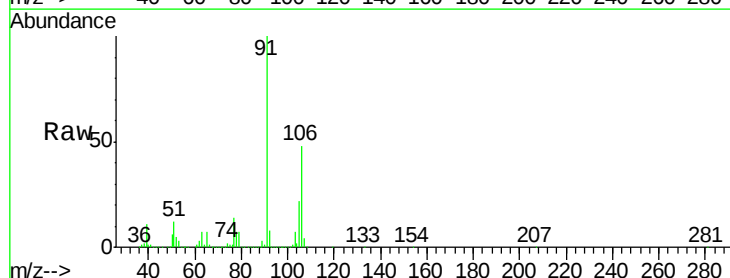
Acq: 06 May 2020 16:32

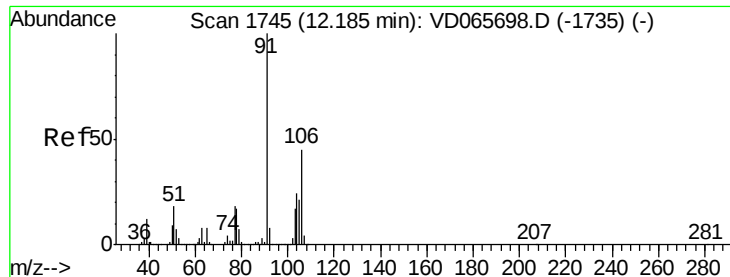
Tgt Ion: 106 Resp: 2491274

Ion Ratio Lower Upper

106 100

91 204.5 163.1 244.7





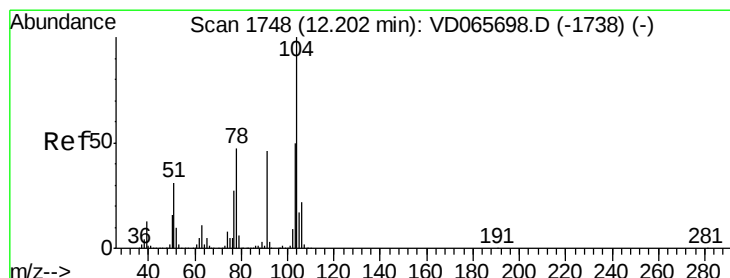
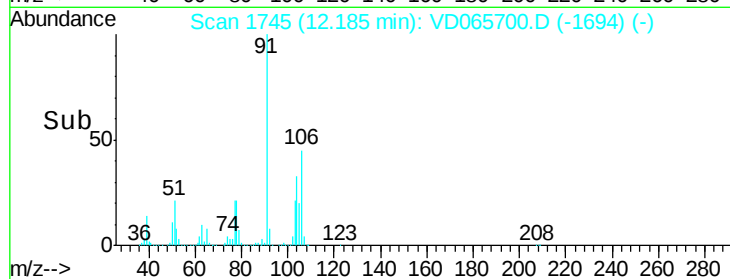
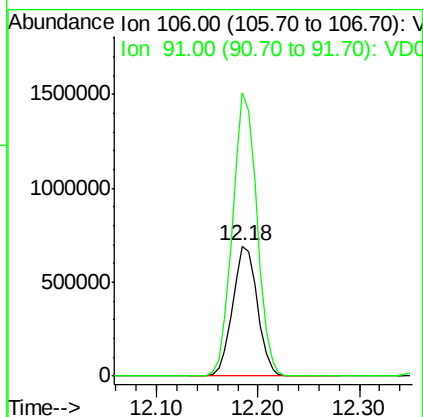
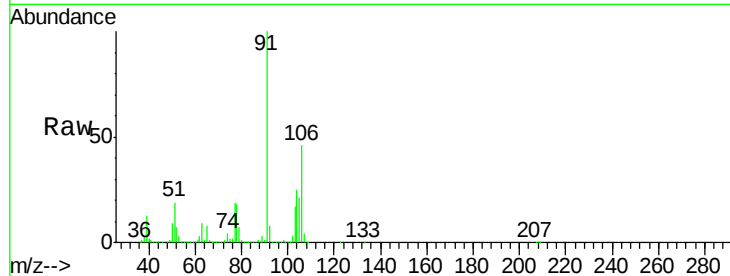
#69
o-Xylene
Concen: 138.062 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065700.D
Acq: 06 May 2020 16:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 1173136
Ion Ratio Lower Upper
106 100
91 215.3 107.9 323.7

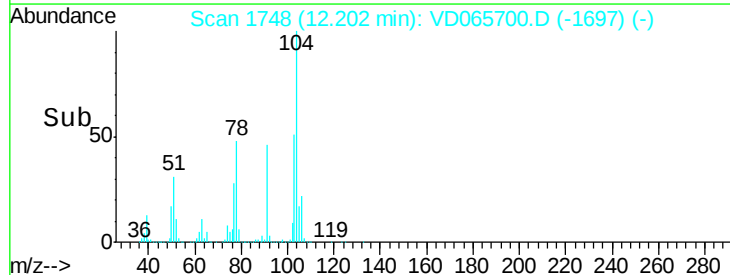
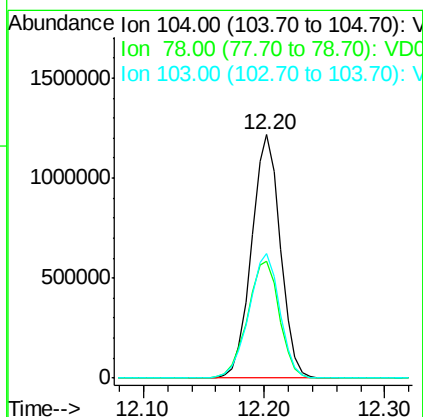
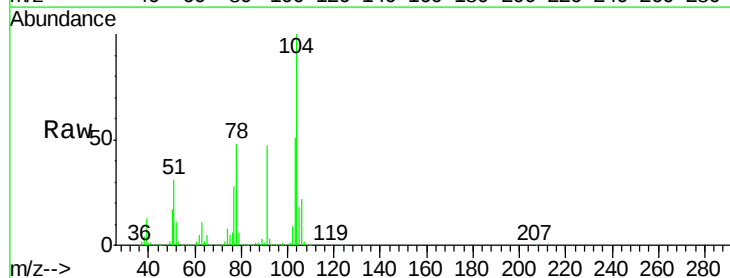
Manual Integrations
APPROVED

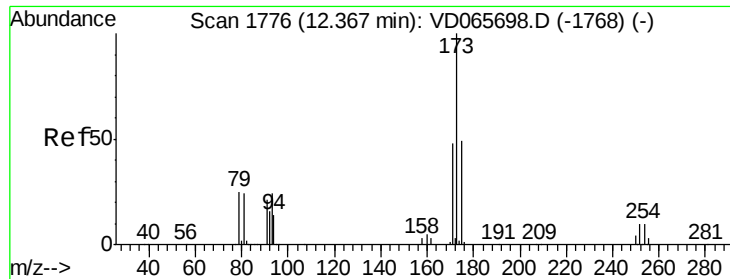
MMDadoda
5/7/2020 10:36:03 AM



#70
Styrene
Concen: 138.779 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065700.D
Acq: 06 May 2020 16:32

Tgt Ion:104 Resp: 2025828
Ion Ratio Lower Upper
104 100
78 53.0 41.0 61.4
103 54.7 43.8 65.6





#71

Bromoform

Concen: 135.891 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065700.D

Acq: 06 May 2020 16:32

Instrument :

MSVOA_D

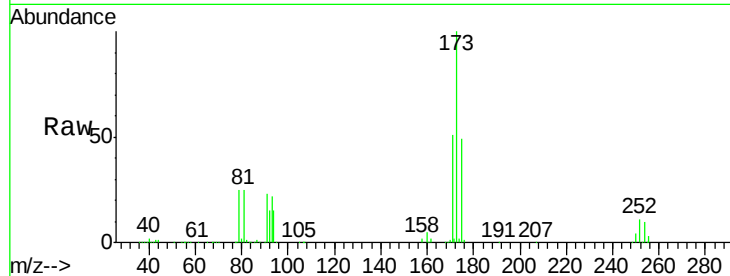
ClientSampled :

VSTDIC150

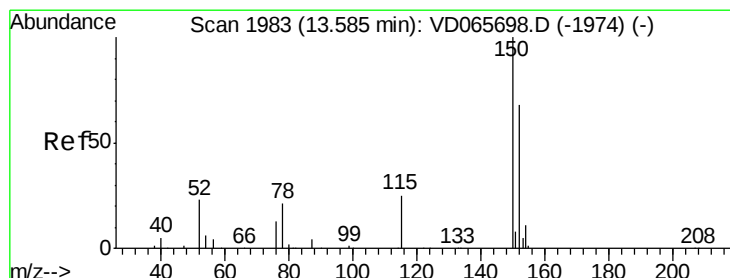
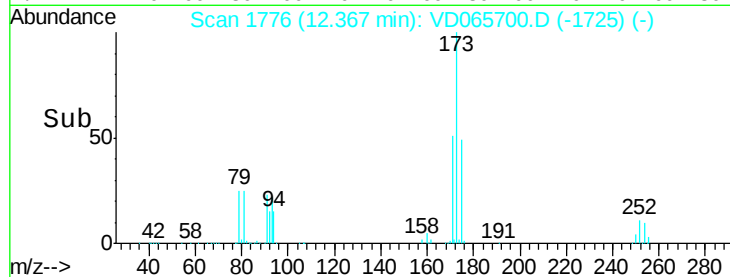
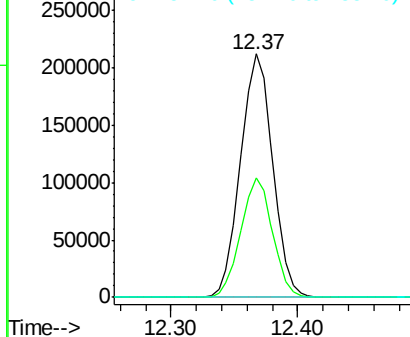
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.5	73.5
254	0.1	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:03 AM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

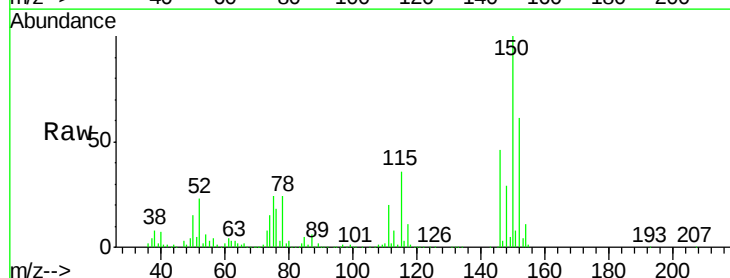
RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

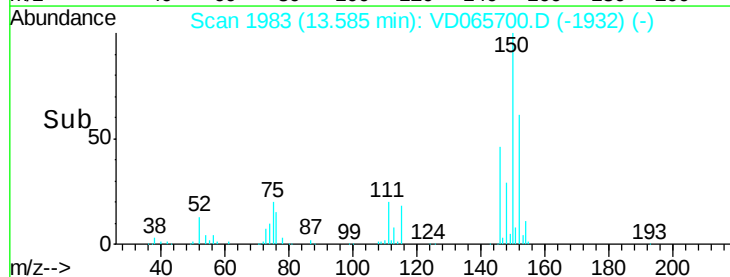
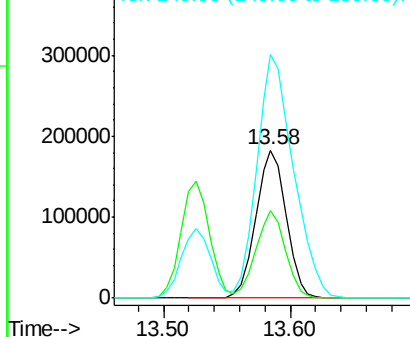
Lab File: VD065700.D

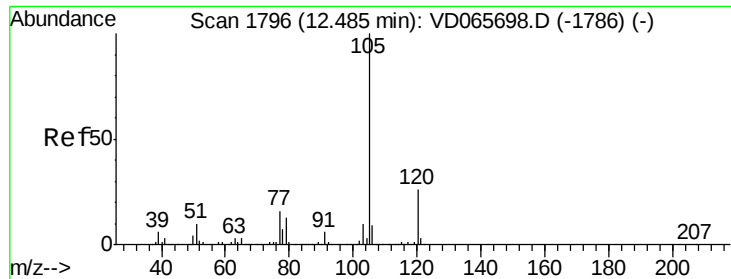
Acq: 06 May 2020 16:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.5	29.5	88.5
150	199.4	0.0	346.8



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





#73

Isopropylbenzene

Concen: 137.087 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065700.D

Acq: 06 May 2020 16:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 3199520

Ion Ratio Lower Upper

105 100

120 26.7

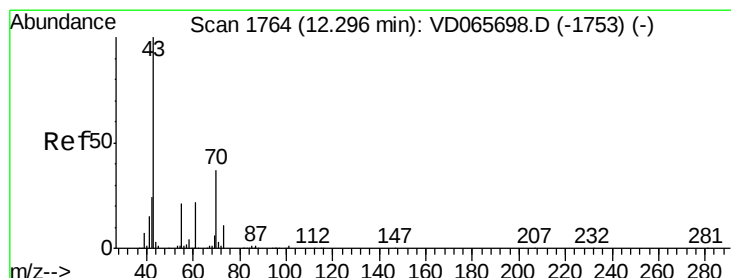
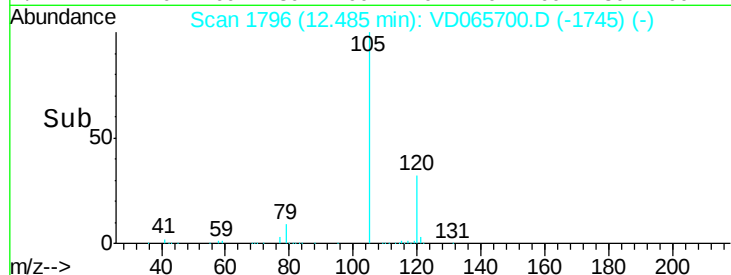
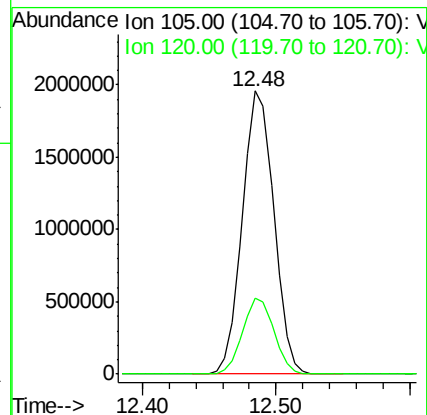
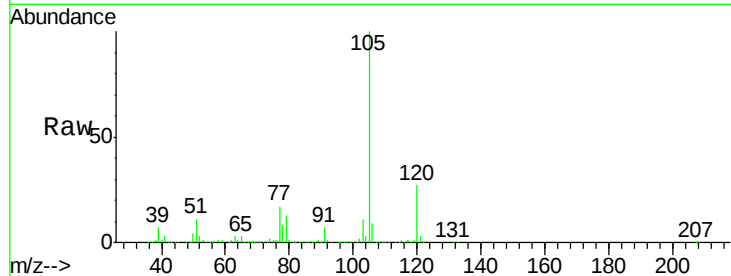
13.4 40.2

Manual Integrations

APPROVED

MMDadoda

5/7/2020 10:36:03 AM



#74

N-ethyl acetate

Concen: 131.142 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065700.D

Acq: 06 May 2020 16:32

Tgt Ion: 43 Resp: 879685

Ion Ratio Lower Upper

43 100

70 37.6

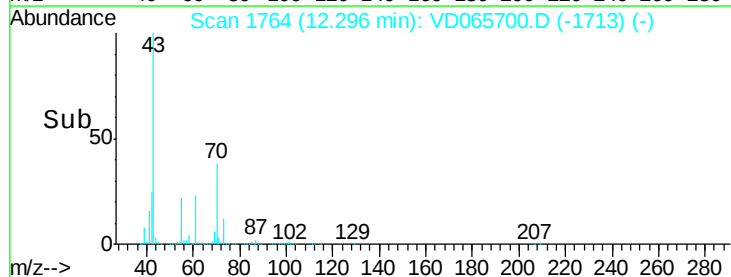
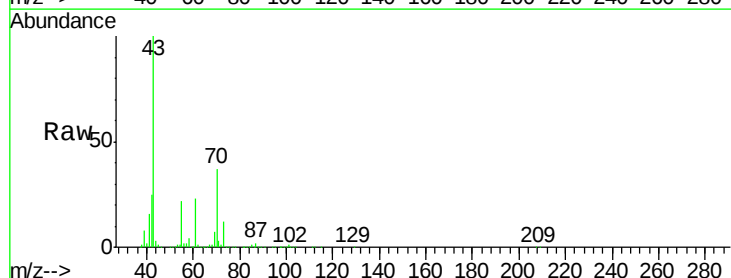
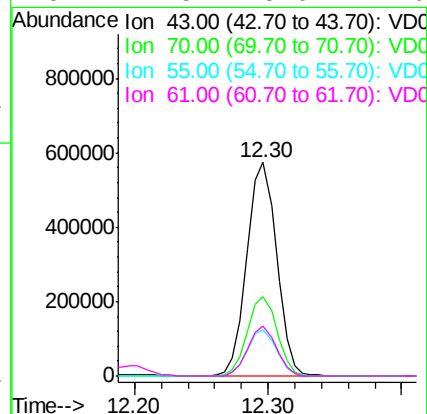
55 21.2

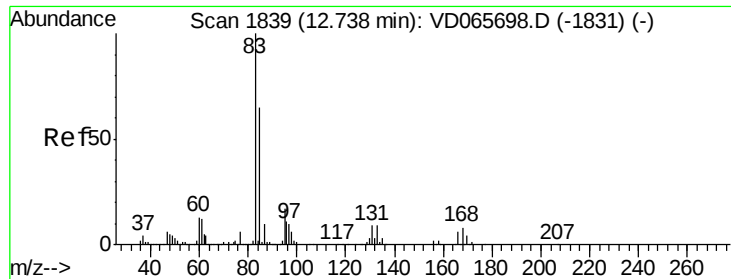
61 22.5

29.3 43.9

16.4 24.6

18.0 27.0





#75

1,1,2,2-Tetrachloroethane

Concen: 131.166 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065700.D

Acq: 06 May 2020 16:32

Instrument :

MSVOA_D

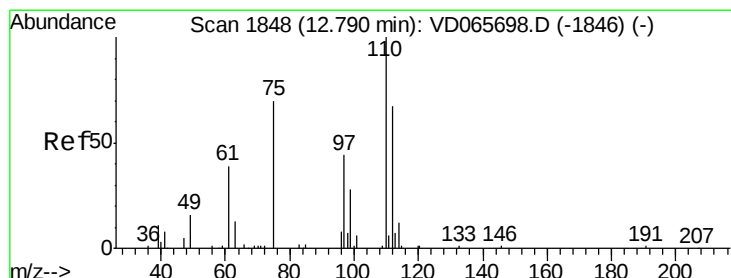
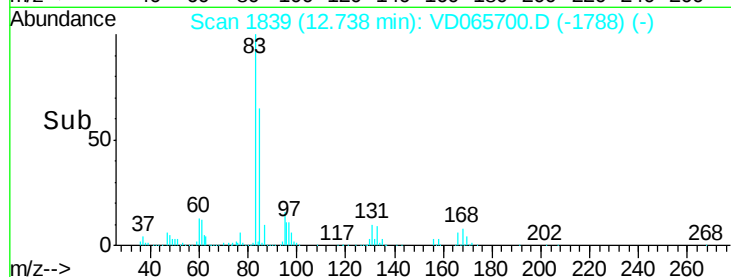
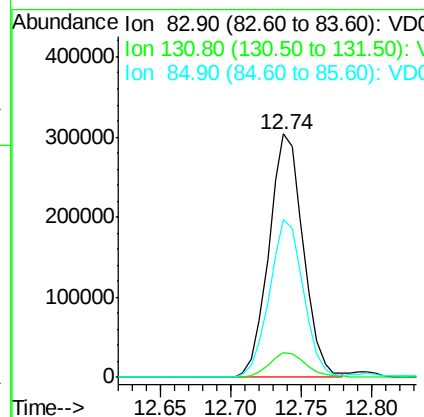
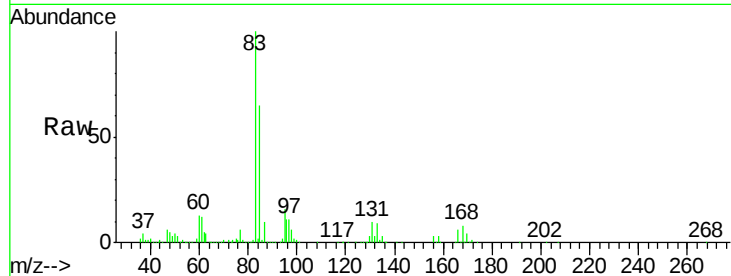
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	516803
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.5	16.7
85	64.0	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:03 AM



#76

1,2,3-Trichloropropane

Concen: 74.125 ug/l m

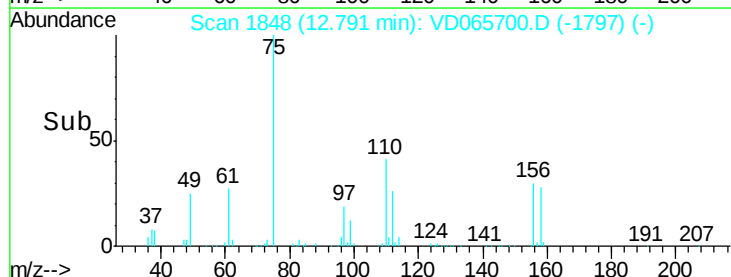
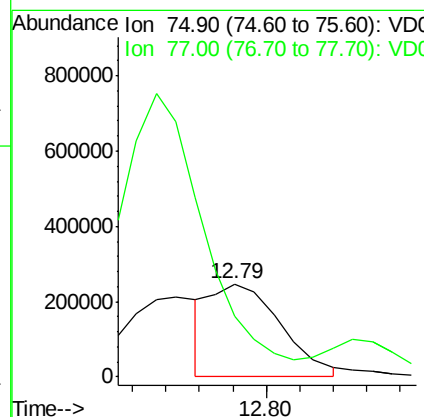
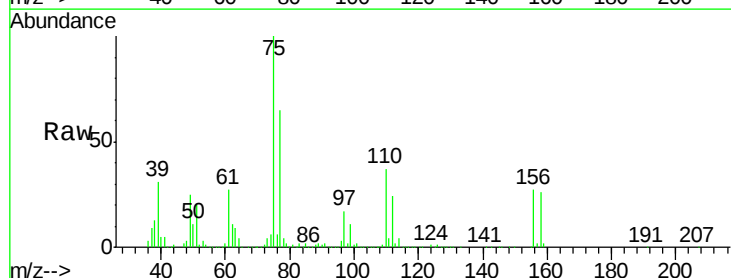
RT: 12.79 min Scan# 1848

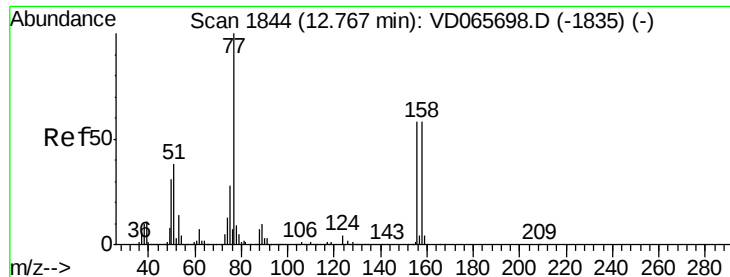
Delta R.T. 0.00 min

Lab File: VD065700.D

Acq: 06 May 2020 16:32

Tgt Ion:	75	Resp:	359526
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 137.870 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065700.D

Acq: 06 May 2020 16:32

Instrument :

MSVOA_D

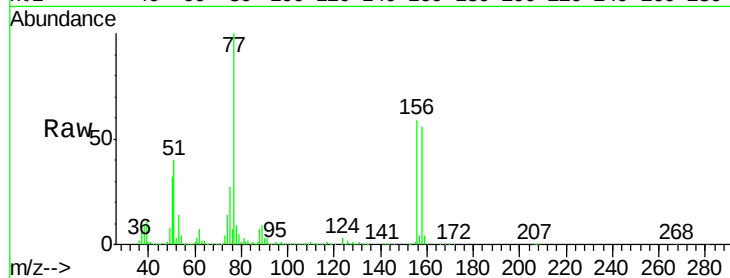
ClientSampleId :

VSTDIC150

Tot Ion:	156	Resp:	737224
Ion	Ratio	Lower	Upper
156	100		
77	185.4	92.9	278.7
158	96.7	48.9	146.7

Manual Integrations
APPROVED

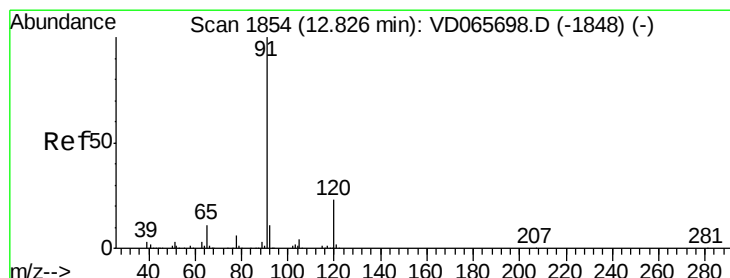
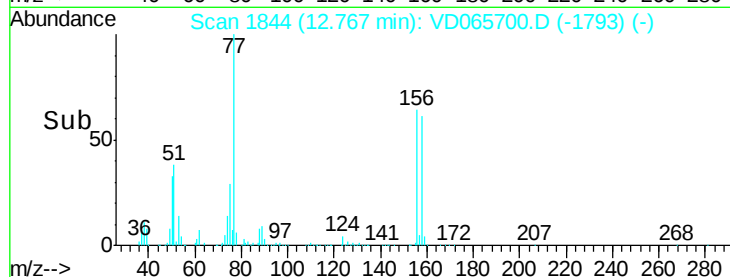
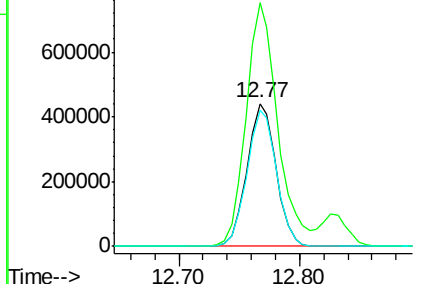
MMDadoda
5/7/2020 10:36:03 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 137.547 ug/l

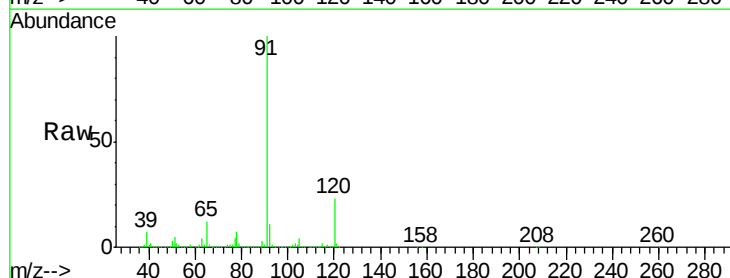
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065700.D

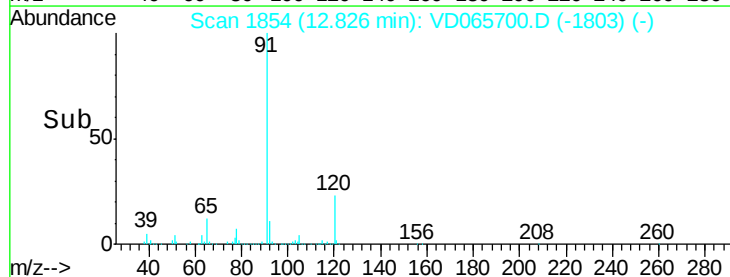
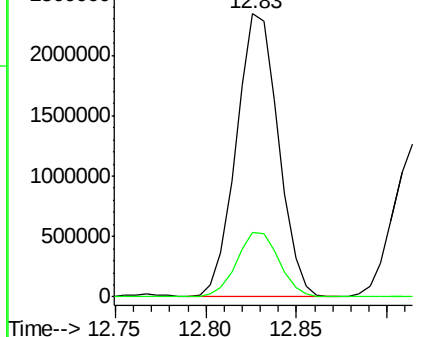
Acq: 06 May 2020 16:32

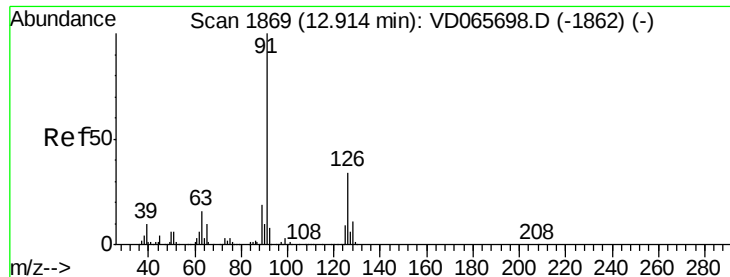
Tgt Ion:	91	Resp:	3778059
Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 139.245 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065700.D

Acq: 06 May 2020 16:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2156780

Ion Ratio Lower Upper

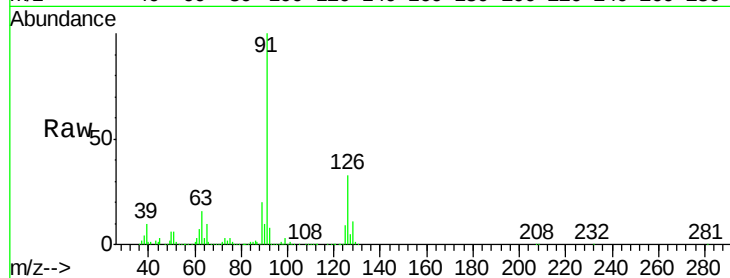
91 100

126 33.5 16.9 50.6

Manual Integrations
APPROVED

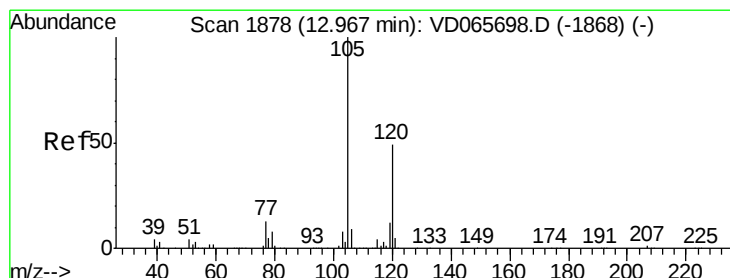
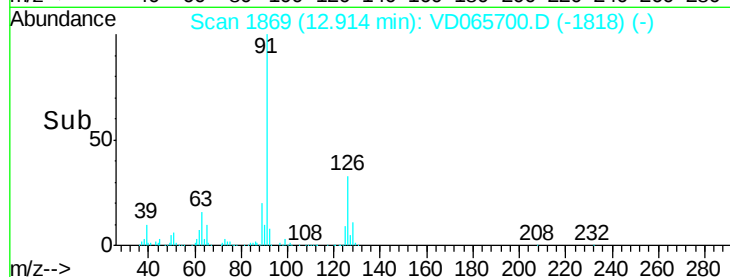
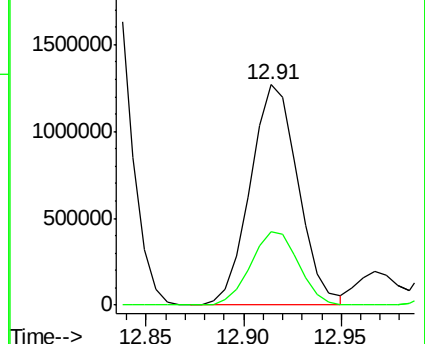
MMDadoda

5/7/2020 10:36:03 AM



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 137.655 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065700.D

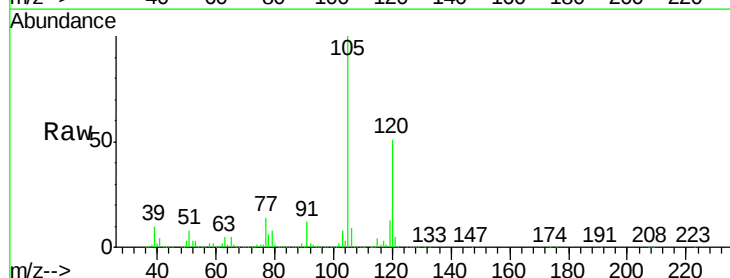
Acq: 06 May 2020 16:32

Tgt Ion:105 Resp: 2636002

Ion Ratio Lower Upper

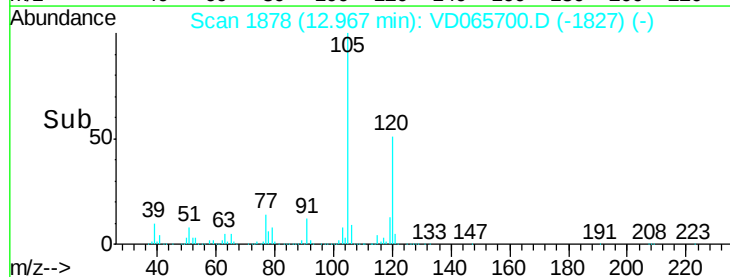
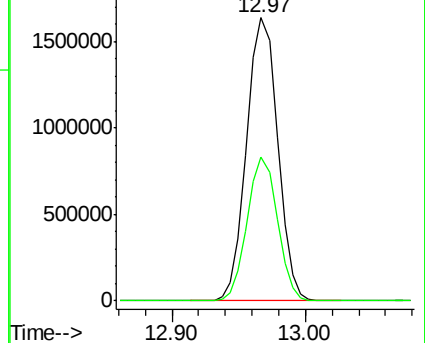
105 100

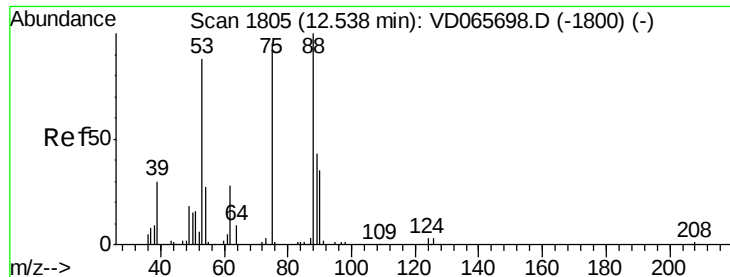
120 49.4 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 132.589 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065700.D

Acq: 06 May 2020 16:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 195863

Ion Ratio Lower Upper

75 100

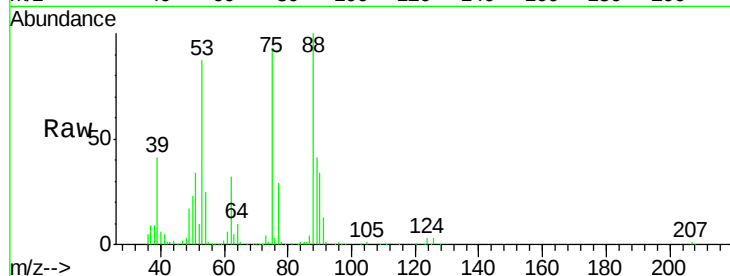
53 95.0 75.8 113.8

89 45.0 36.2 54.2

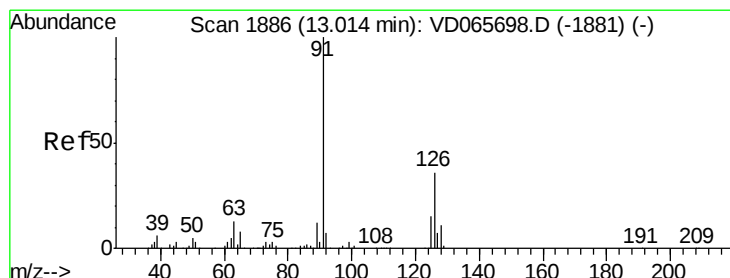
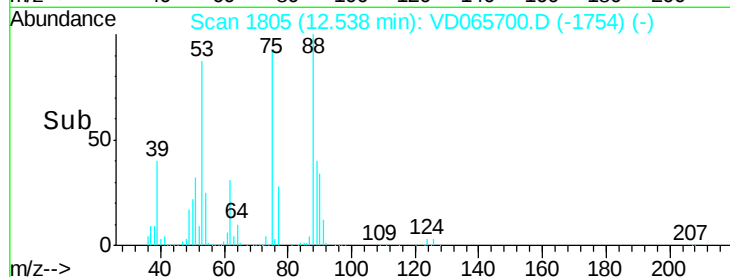
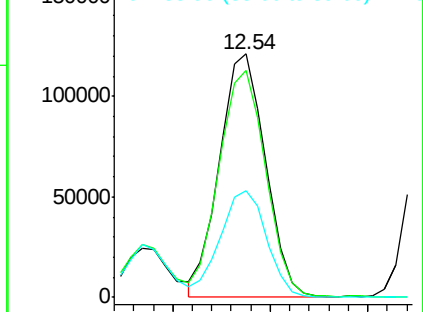
Manual Integrations
APPROVED

MMDadoda

5/7/2020 10:36:03 AM



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 137.909 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065700.D

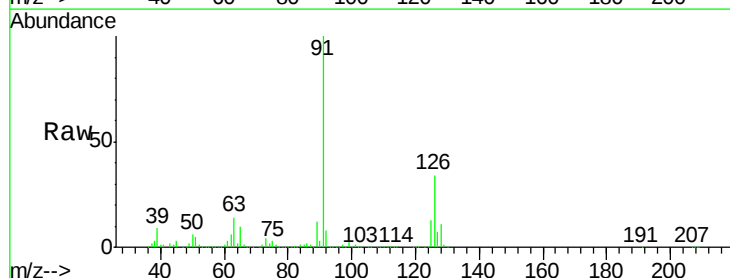
Acq: 06 May 2020 16:32

Tgt Ion: 91 Resp: 2238652

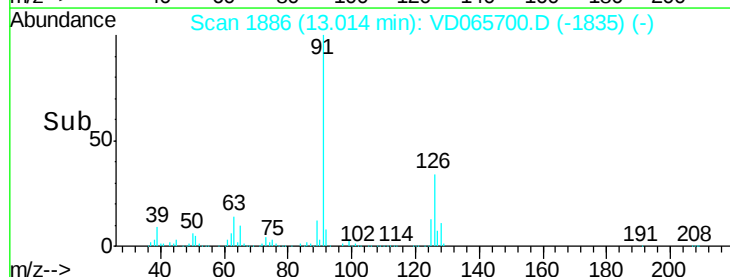
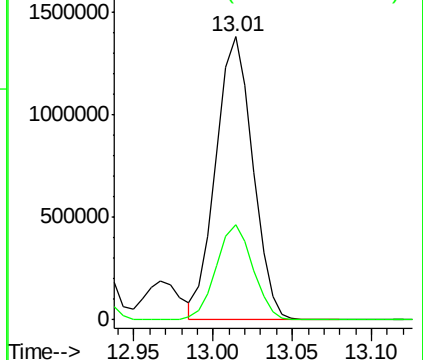
Ion Ratio Lower Upper

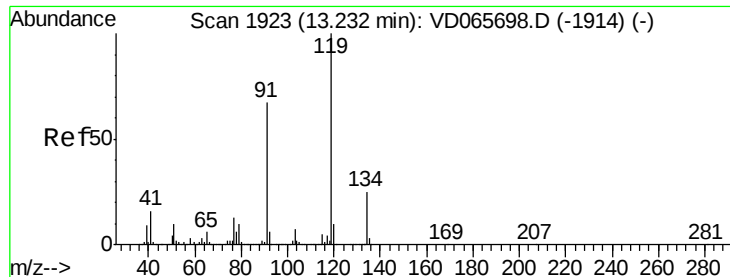
91 100

126 33.4 17.1 51.3



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 137.384 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD065700.D

Acq: 06 May 2020 16:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:119 Resp: 2240013

Ion Ratio Lower Upper

119 100

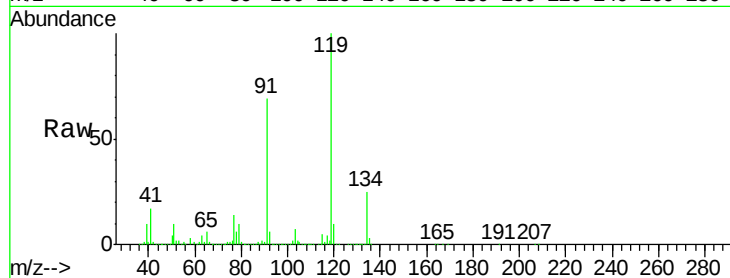
91 69.1 33.6 100.8

134 27.4 13.6 40.8

Manual Integrations
APPROVED

MMDadoda

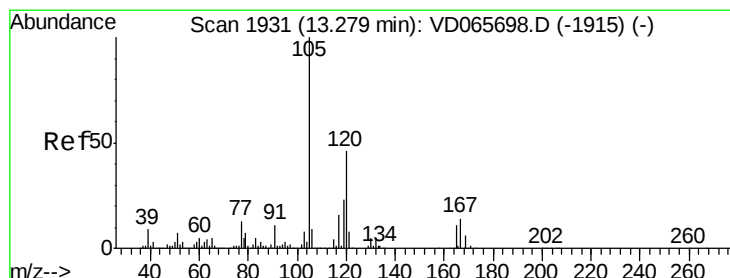
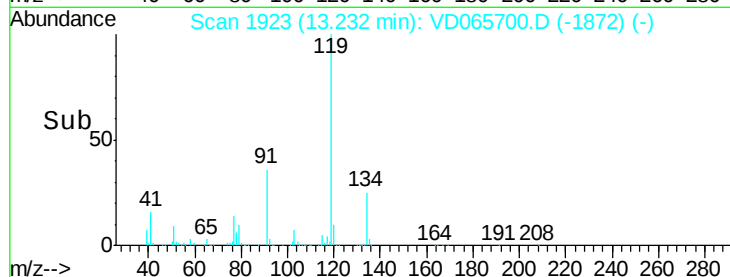
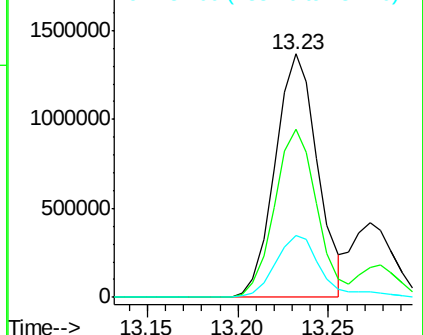
5/7/2020 10:36:03 AM



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 137.166 ug/l

RT: 13.28 min Scan# 1931

Delta R.T. 0.00 min

Lab File: VD065700.D

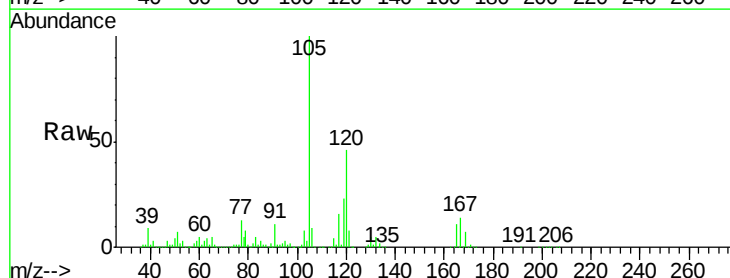
Acq: 06 May 2020 16:32

Tgt Ion:105 Resp: 2617884

Ion Ratio Lower Upper

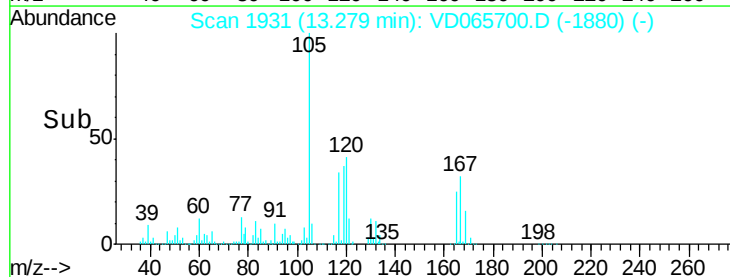
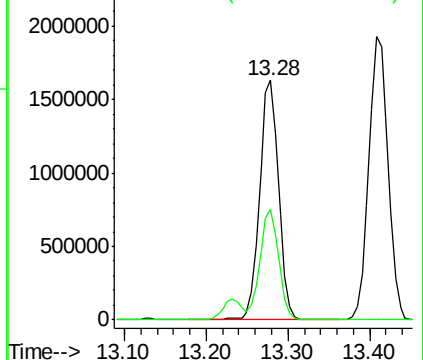
105 100

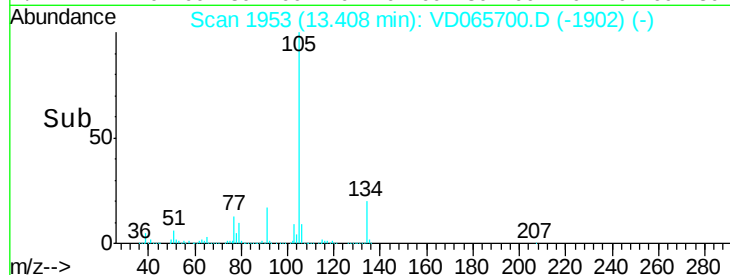
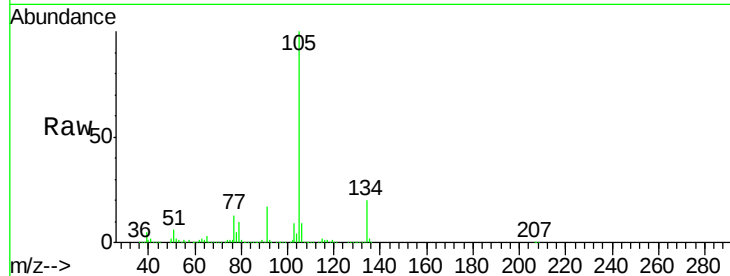
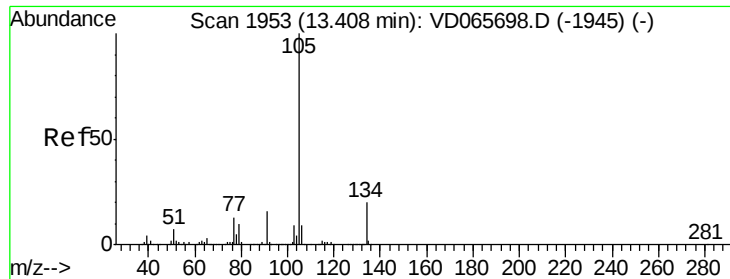
120 45.2 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





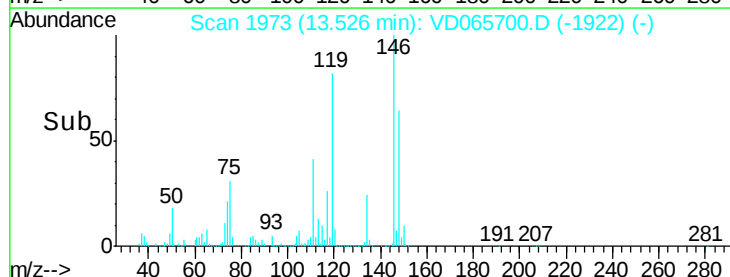
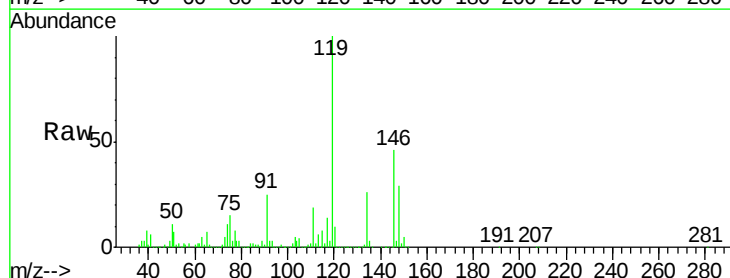
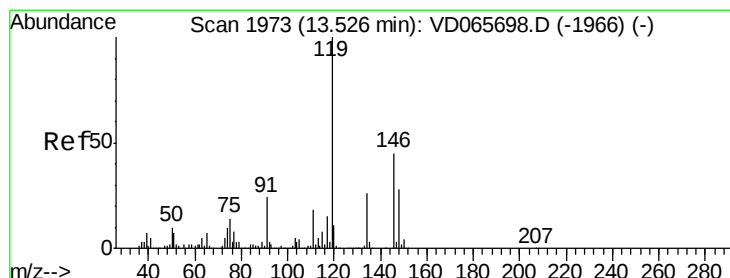
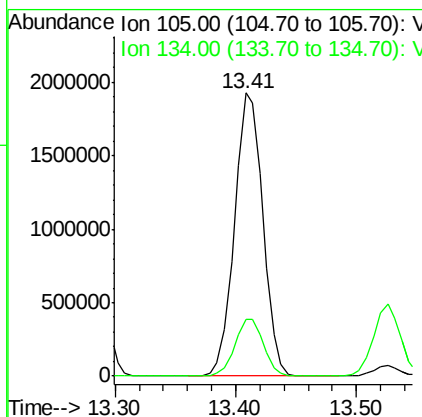
#85
 sec-Butylbenzene
 Concen: 137.635 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065700.D
 Acq: 06 May 2020 16:32

Tot Ion:105 Resp: 3146995
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.3 30.8

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

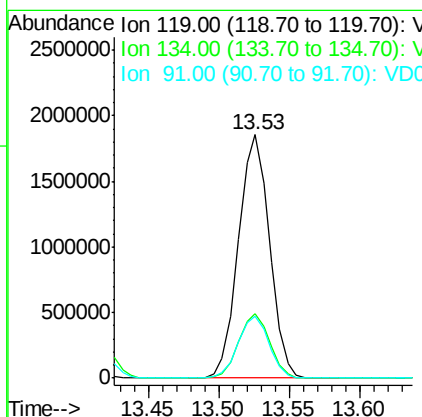
Manual Integrations
 APPROVED

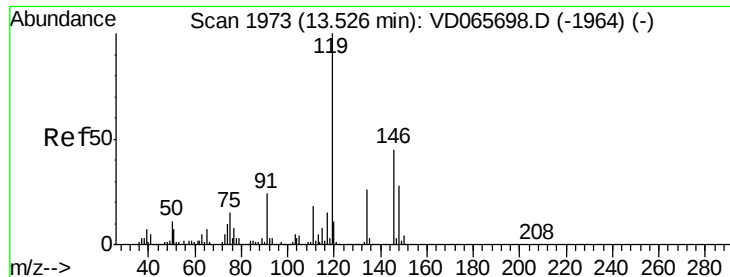
MMDadoda
 5/7/2020 10:36:03 AM



#86
 p-Isopropyltoluene
 Concen: 136.889 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065700.D
 Acq: 06 May 2020 16:32

Tgt Ion:119 Resp: 2854594
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.2 39.6
 91 25.1 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 136.231 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065700.D

Acq: 06 May 2020 16:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 1371693

Ion Ratio Lower Upper

146 100

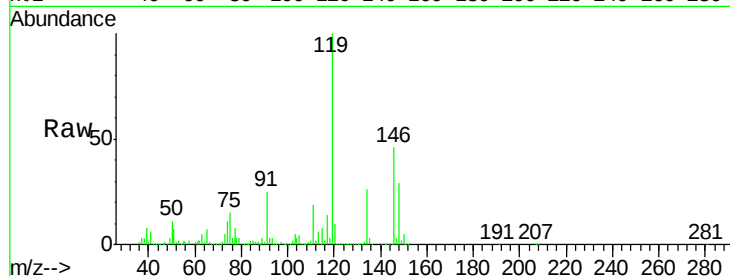
111 40.3 19.6 58.8

148 63.5 31.9 95.7

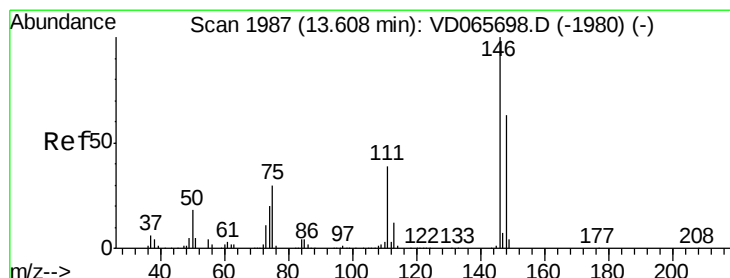
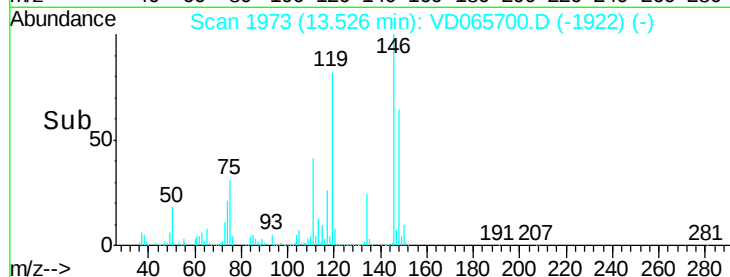
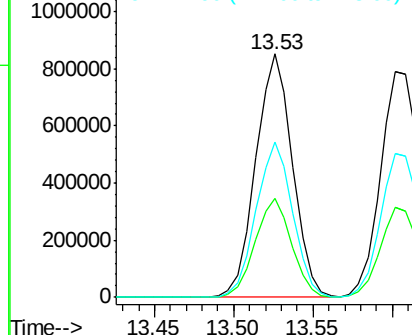
Manual Integrations
APPROVED

MMDadoda

5/7/2020 10:36:03 AM



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 135.866 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. -0.01 min

Lab File: VD065700.D

Acq: 06 May 2020 16:32

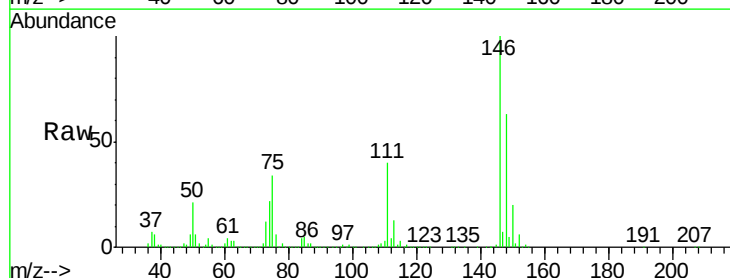
Tgt Ion:146 Resp: 1350257

Ion Ratio Lower Upper

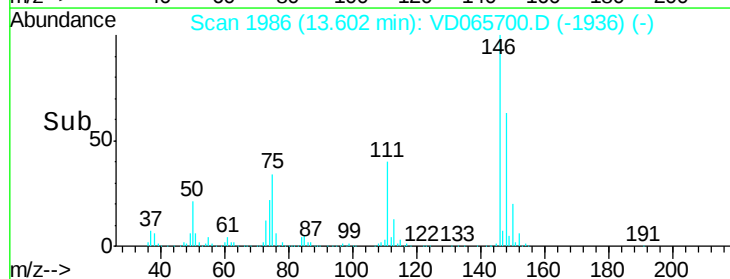
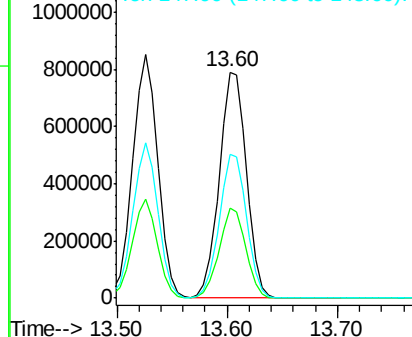
146 100

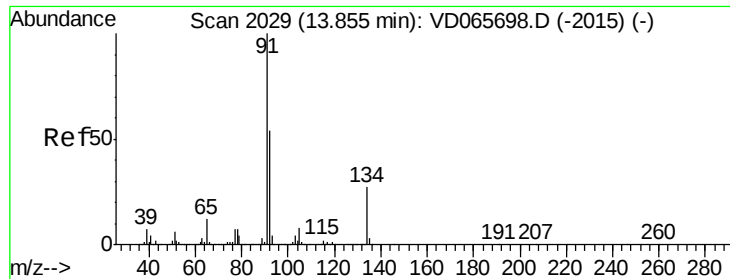
111 38.8 19.6 58.7

148 63.7 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





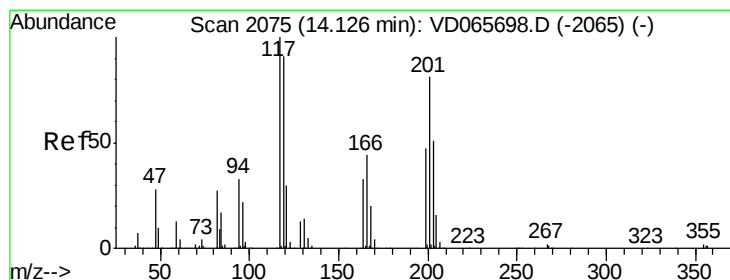
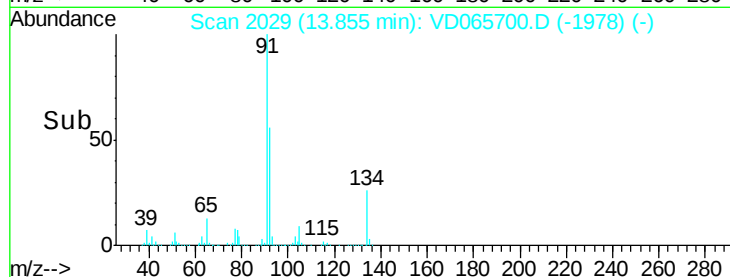
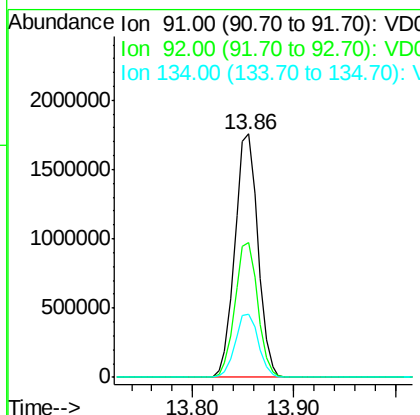
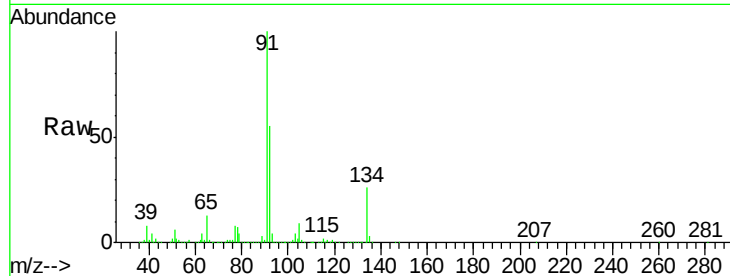
#89
n-Butylbenzene
Concen: 137.226 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065700.D
Acq: 06 May 2020 16:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2771483
Ion Ratio Lower Upper
91 100
92 54.9 27.4 82.0
134 26.1 13.3 39.8

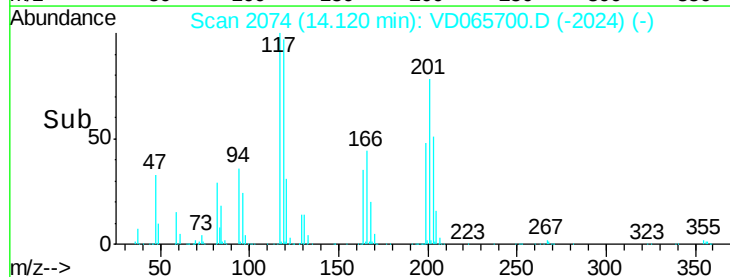
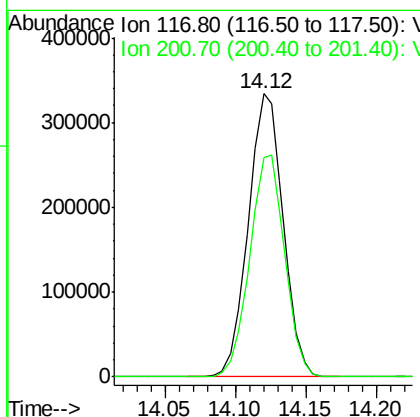
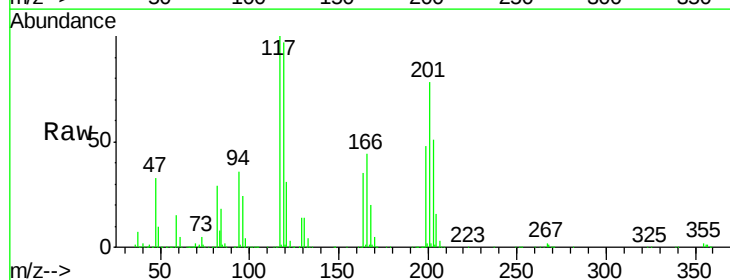
Manual Integrations
APPROVED

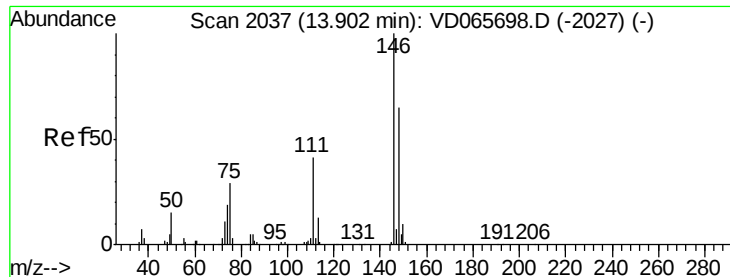
MMDadoda
5/7/2020 10:36:03 AM



#90
Hexachloroethane
Concen: 140.051 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.01 min
Lab File: VD065700.D
Acq: 06 May 2020 16:32

Tgt Ion: 117 Resp: 579635
Ion Ratio Lower Upper
117 100
201 78.6 39.1 117.2





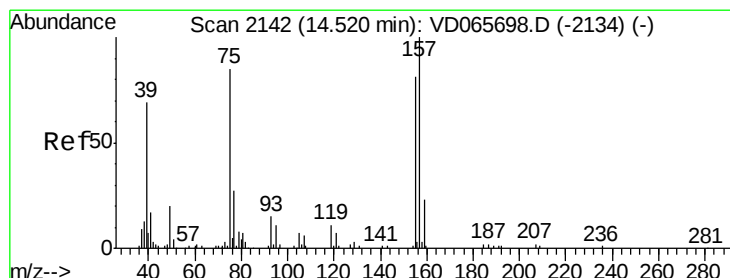
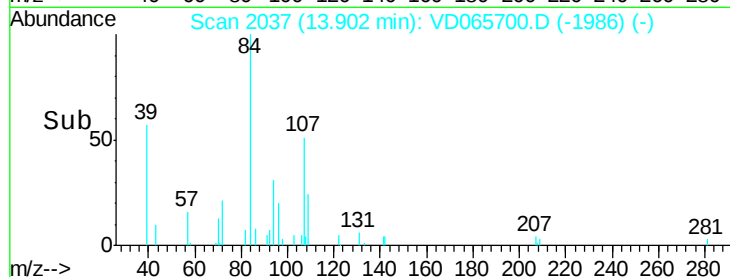
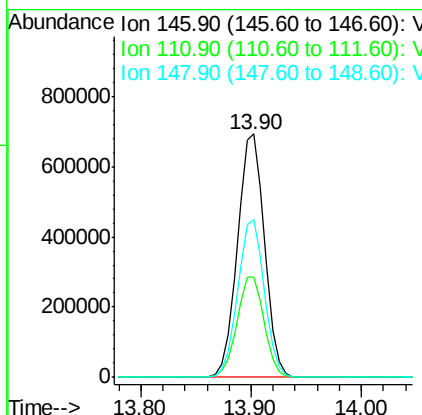
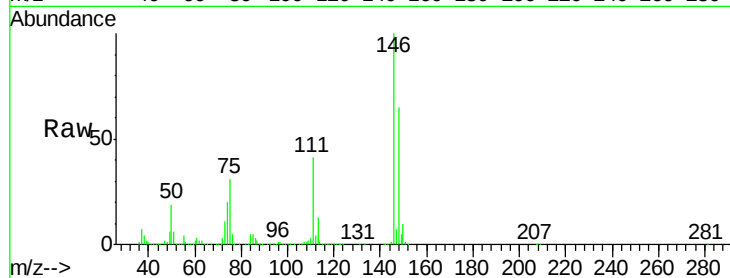
#91
 1,2-Dichlorobenzene
 Concen: 137.034 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065700.D
 Acq: 06 May 2020 16:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.3	61.0
148	64.0	31.9	95.9

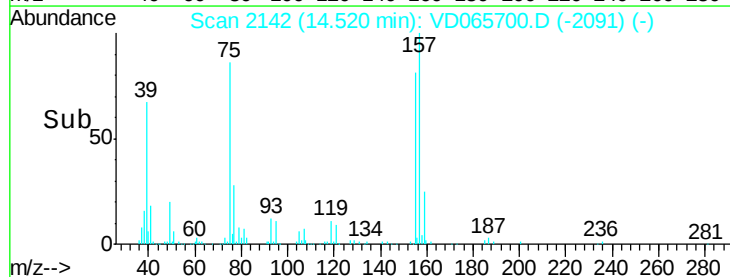
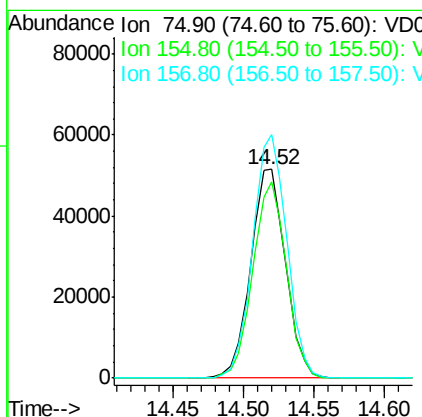
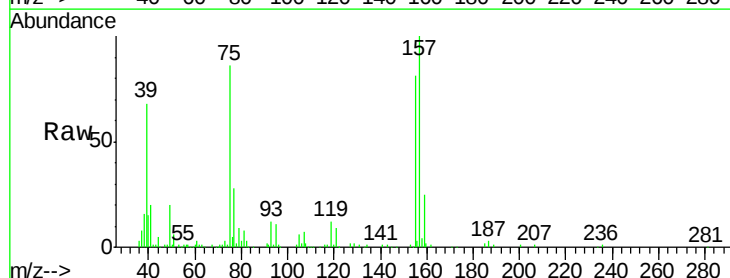
Manual Integrations
 APPROVED

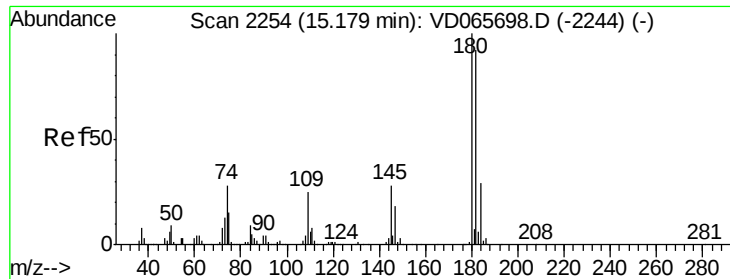
MMDadoda
 5/7/2020 10:36:03 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 135.859 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065700.D
 Acq: 06 May 2020 16:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.6	43.5	130.5
157	114.0	54.5	163.6





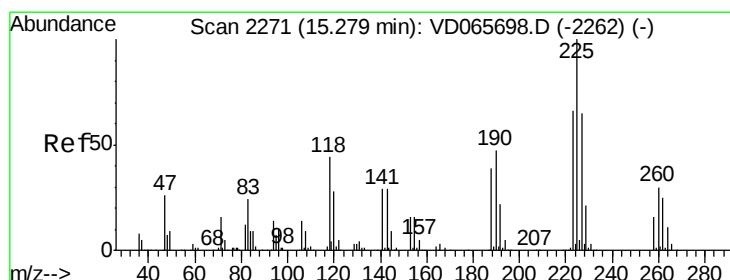
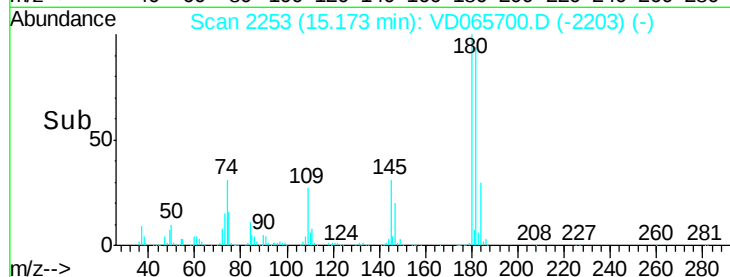
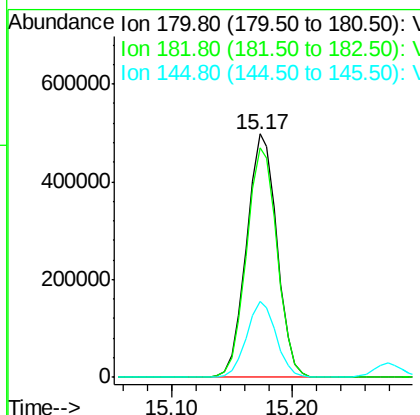
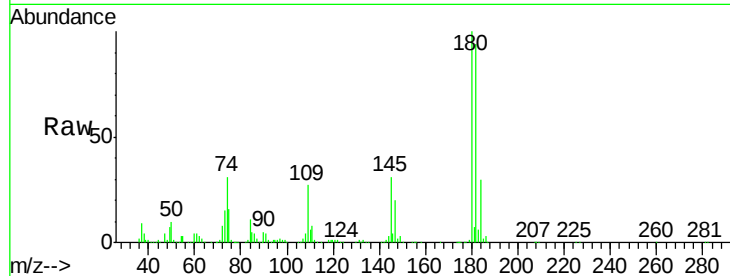
#93
 1,2,4-Trichlorobenzene
 Concen: 133.738 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065700.D
 Acq: 06 May 2020 16:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	874263		
182	94.9	47.0	141.0	
145	30.3	14.8	44.3	

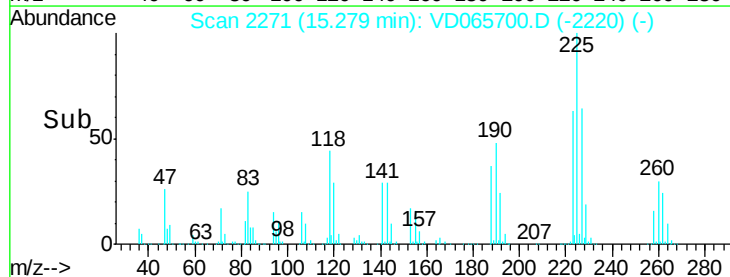
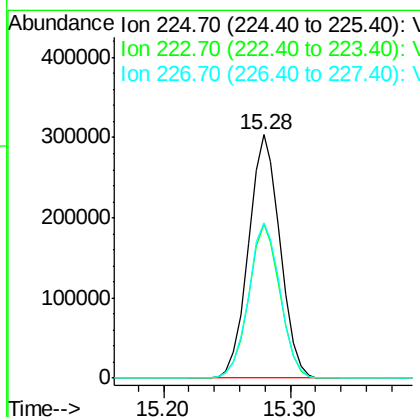
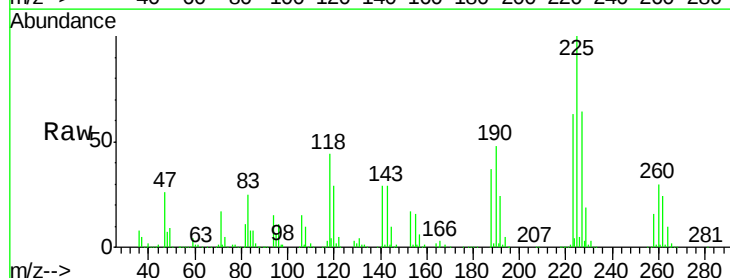
Manual Integrations
 APPROVED

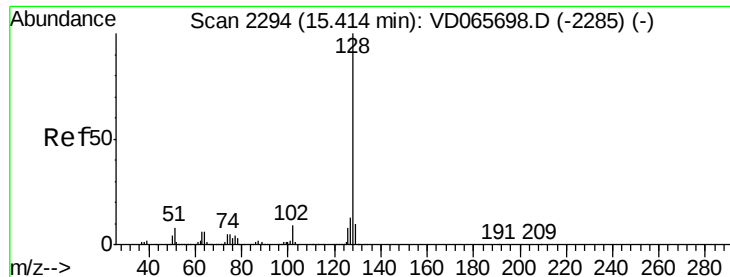
MMDadoda
 5/7/2020 10:36:03 AM



#94
 Hexachlorobutadiene
 Concen: 139.188 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065700.D
 Acq: 06 May 2020 16:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	524086		
223	62.6	31.8	95.3	
227	63.8	31.6	94.8	





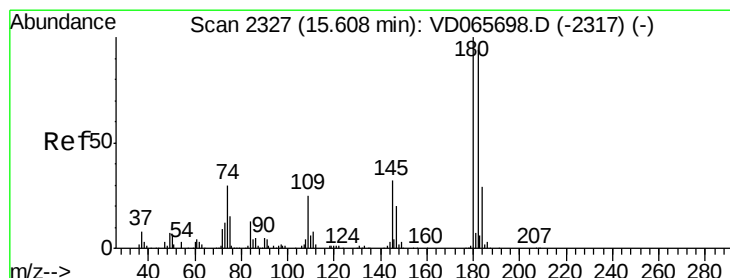
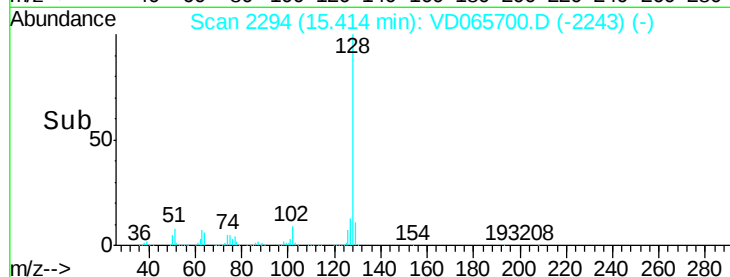
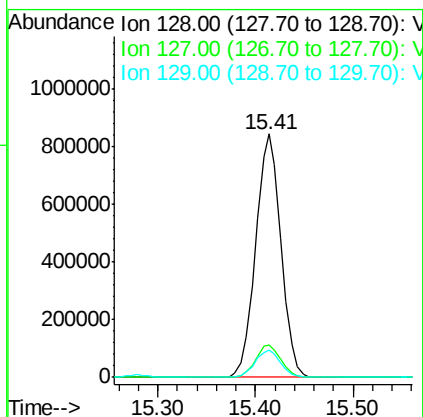
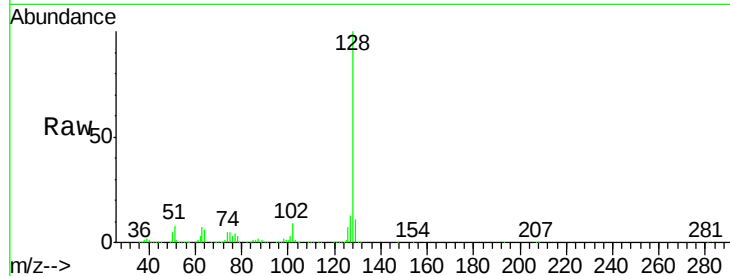
#95
Naphthalene
Concen: 133.245 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065700.D
Acq: 06 May 2020 16:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	11.3	9.0	13.4

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:03 AM



#96
1,2,3-Trichlorobenzene
Concen: 135.542 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065700.D
Acq: 06 May 2020 16:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	46.9	140.6
145	31.7	16.0	47.9

