

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091720\
 Data File : VD066736.D
 Acq On : 17 Sep 2020 11:25
 Operator : VA/SY
 Sample : VD0917SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0917SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/18/2020 12:18:16 PM

Quant Time: Sep 18 01:24:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	403836	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	669489	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	622617	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	292676	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	214029	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
35) Dibromofluoromethane	7.91	113	209224	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
50) Toluene-d8	10.34	98	750988	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
62) 4-Bromofluorobenzene	12.63	95	254162	50.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	70519	20.830	ug/l	94
3) Chloromethane	2.20	50	86273	19.632	ug/l	97
4) Vinyl Chloride	2.35	62	89094	19.371	ug/l	97
5) Bromomethane	2.76	94	65801	20.168	ug/l	93
6) Chloroethane	2.92	64	54517	19.027	ug/l	92
7) Trichlorofluoromethane	3.27	101	155141	19.529	ug/l	96
8) Diethyl Ether	3.71	74	38661	19.435	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	85850	19.664	ug/l	98
10) Methyl Iodide	4.30	142	75393	18.201	ug/l	98
11) Tert butyl alcohol	5.23	59	42168m	113.178	ug/l	
12) 1,1-Dichloroethene	4.06	96	75440	18.670	ug/l	94
13) Acrolein	3.92	56	29623	97.482	ug/l	97
14) Allyl chloride	4.71	41	125981	19.413	ug/l	97
15) Acrylonitrile	5.43	53	85760	98.415	ug/l	99
16) Acetone	4.16	43	87741	99.999	ug/l	98
17) Carbon Disulfide	4.41	76	261094	20.563	ug/l	98
18) Methyl Acetate	4.72	43	41021	19.720	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	176490	19.609	ug/l	98
20) Methylene Chloride	4.96	84	109565	18.608	ug/l	96
21) trans-1,2-Dichloroethene	5.46	96	92156	19.575	ug/l	100
22) Diisopropyl ether	6.36	45	264997	20.097	ug/l	# 98
23) Vinyl Acetate	6.30	43	728448	99.316	ug/l	96
24) 1,1-Dichloroethane	6.26	63	164670	19.680	ug/l	96
25) 2-Butanone	7.21	43	108086	94.603	ug/l	100
26) 2,2-Dichloropropane	7.20	77	146748	18.966	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	102905	19.980	ug/l	100
28) Bromochloromethane	7.54	49	69905	22.367	ug/l	96
29) Tetrahydrofuran	7.56	42	67059	95.931	ug/l	98
30) Chloroform	7.71	83	179224	20.126	ug/l	95
31) Cyclohexane	7.98	56	145006	19.052	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	162421	19.932	ug/l	99
36) 1,1-Dichloropropene	8.11	75	134125	19.486	ug/l	99
37) Ethyl Acetate	7.29	43	51728	19.851	ug/l	98
38) Carbon Tetrachloride	8.09	117	141420	19.347	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091720\
 Data File : VD066736.D
 Acq On : 17 Sep 2020 11:25
 Operator : VA/SY
 Sample : VD0917SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0917SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/18/2020 12:18:16 PM

Quant Time: Sep 18 01:24:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	141583	17.983	ug/l	95
40) Benzene	8.34	78	372072	19.980	ug/l	96
41) Methacrylonitrile	7.51	41	24655	17.872	ug/l	90
42) 1,2-Dichloroethane	8.42	62	114486	19.844	ug/l	98
43) Isopropyl Acetate	8.45	43	94761	19.320	ug/l	98
44) Trichloroethene	9.11	130	98260	19.735	ug/l	90
45) 1,2-Dichloropropane	9.38	63	90432	19.643	ug/l	95
46) Dibromomethane	9.47	93	49457	19.550	ug/l	95
47) Bromodichloromethane	9.66	83	137108	19.890	ug/l	96
48) Methyl methacrylate	9.45	41	44627	17.888	ug/l	91
49) 1,4-Dioxane	9.46	88	10132	373.892	ug/l #	88
51) 4-Methyl-2-Pentanone	10.23	43	241783	95.750	ug/l	100
52) Toluene	10.40	92	239981	20.116	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	121103	19.666	ug/l	93
54) cis-1,3-Dichloropropene	10.08	75	145488	19.891	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	63665	19.088	ug/l	96
56) Ethyl methacrylate	10.66	69	73493	19.417	ug/l	99
57) 1,3-Dichloropropane	10.94	76	116292	19.867	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	189474	113.979	ug/l	100
59) 2-Hexanone	10.98	43	167536	98.743	ug/l	100
60) Dibromochloromethane	11.14	129	89356	20.560	ug/l	97
61) 1,2-Dibromoethane	11.24	107	63332	19.794	ug/l	99
64) Tetrachloroethene	10.87	164	76362	17.967	ug/l	95
65) Chlorobenzene	11.67	112	249487	19.354	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	91418	19.221	ug/l	99
67) Ethyl Benzene	11.74	91	446753	19.133	ug/l	96
68) m/p-Xylenes	11.85	106	341794	38.731	ug/l	99
69) o-Xylene	12.18	106	149539	19.175	ug/l	98
70) Styrene	12.19	104	259233	18.887	ug/l	97
71) Bromoform	12.36	173	46656	19.546	ug/l #	100
73) Isopropylbenzene	12.48	105	404039	18.492	ug/l	99
74) N-amyl acetate	12.29	43	83788	18.180	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	74072	19.951	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	44581m	17.795	ug/l	
77) Bromobenzene	12.76	156	94144	18.695	ug/l	98
78) n-propylbenzene	12.82	91	501559	18.831	ug/l	99
79) 2-Chlorotoluene	12.91	91	285427	18.952	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	353557	19.138	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	22150	19.082	ug/l	98
82) 4-Chlorotoluene	13.01	91	303421	19.054	ug/l	100
83) tert-Butylbenzene	13.23	119	281967	18.518	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	353248	19.134	ug/l	100
85) sec-Butylbenzene	13.40	105	402806	18.453	ug/l	100
86) p-Isopropyltoluene	13.52	119	378368	19.066	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	186599	19.314	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	186173	19.351	ug/l	99
89) n-Butylbenzene	13.84	91	349199	18.505	ug/l	97
90) Hexachloroethane	14.11	117	77184	18.933	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	164285	19.845	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11847	19.740	ug/l	94

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091720\
Data File : VD066736.D
Acq On : 17 Sep 2020 11:25
Operator : VA/SY
Sample : VD0917SBS01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

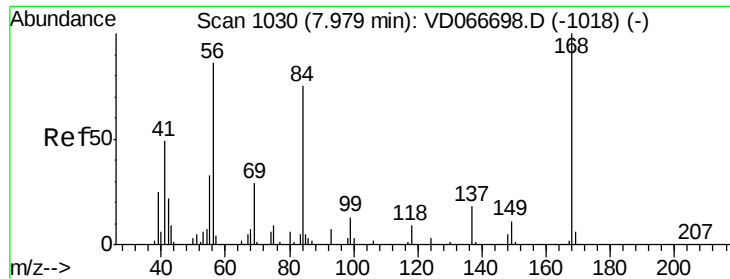
Manual Integrations
APPROVED

MMDadoda
9/18/2020 12:18:16 PM

Quant Time: Sep 18 01:24:38 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 15 16:35:37 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	95882	19.150	ug/l	98
94) Hexachlorobutadiene	15.27	225	54188	17.963	ug/l	99
95) Naphthalene	15.41	128	159374	18.218	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	80303	18.362	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066736.D

Acq: 17 Sep 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion:168 Resp: 403836

Ion Ratio Lower Upper

168 100

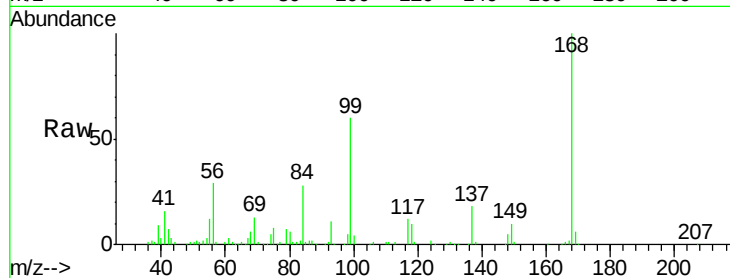
99 59.6 54.4 81.6

Manual Integrations

APPROVED

MMDadoda

9/18/2020 12:18:16 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

200000

150000

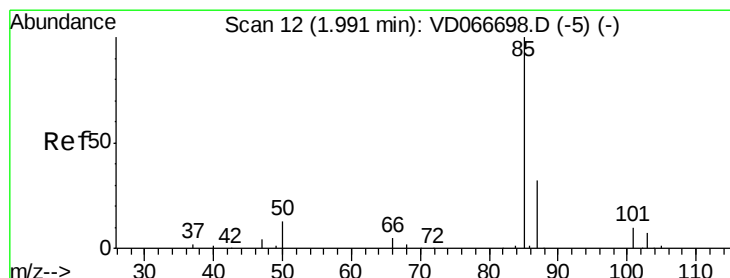
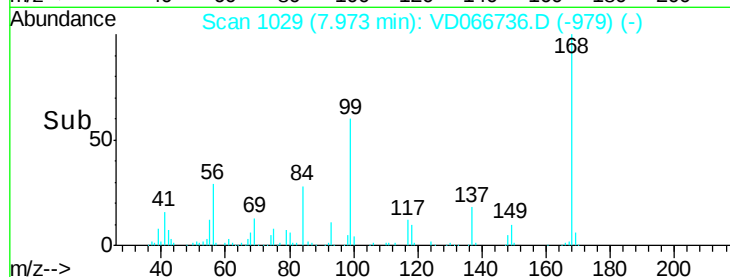
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.830 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD066736.D

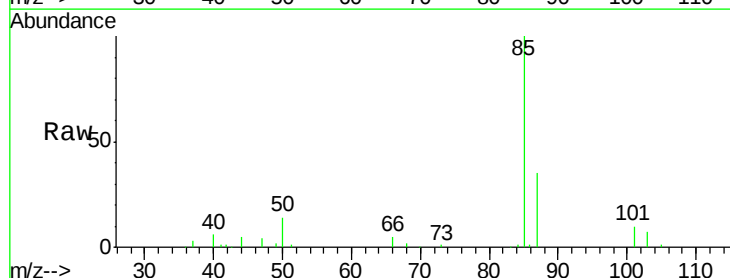
Acq: 17 Sep 2020 11:25

Tgt Ion: 85 Resp: 70519

Ion Ratio Lower Upper

85 100

87 34.9 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

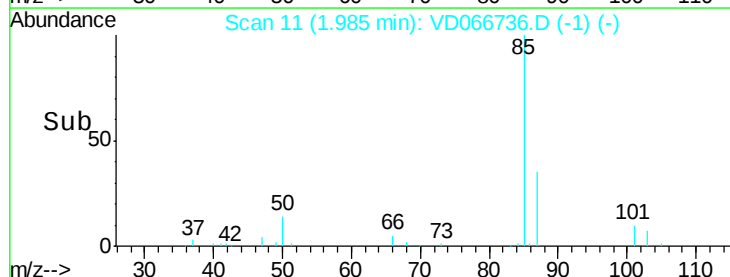
20000

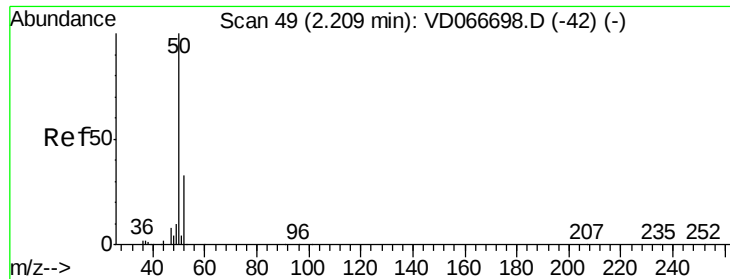
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 19.632 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD066736.D

Acq: 17 Sep 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion: 50 Resp: 86273

Ion Ratio Lower Upper

50 100

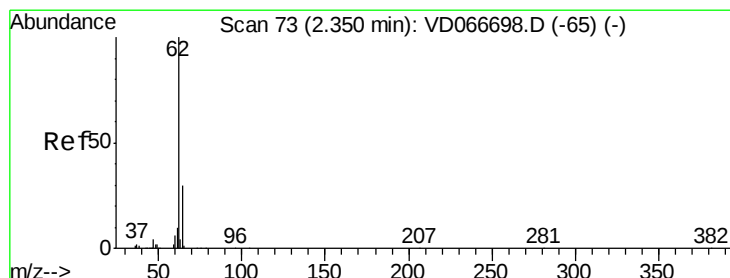
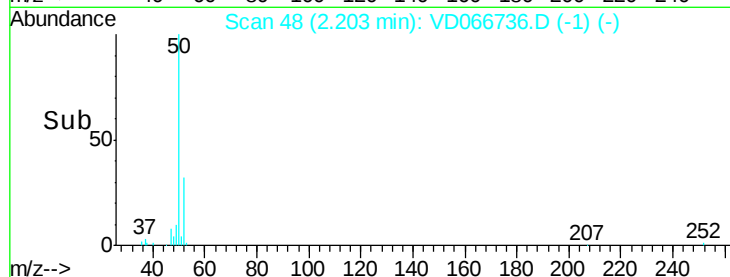
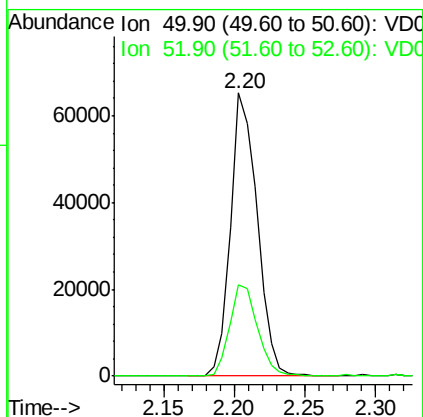
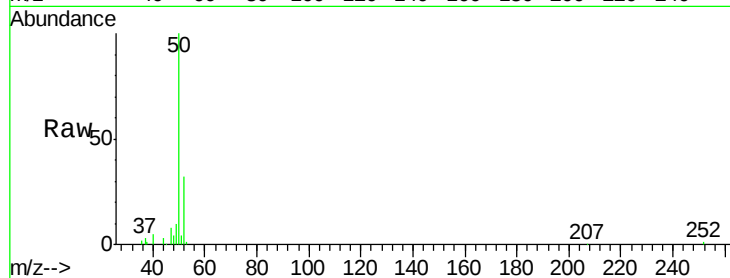
52 32.1 26.8 40.2

Manual Integrations

APPROVED

MMDadoda

9/18/2020 12:18:16 PM



#4

Vinyl Chloride

Concen: 19.371 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066736.D

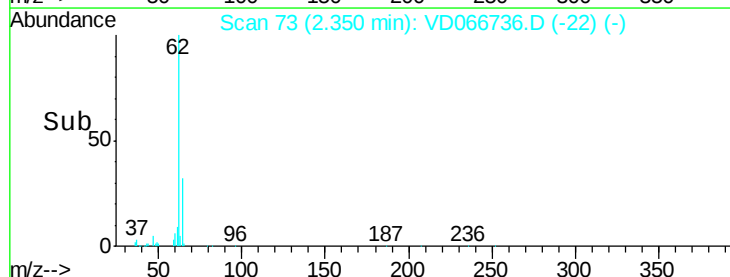
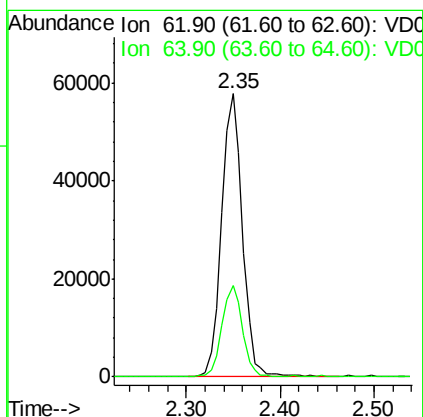
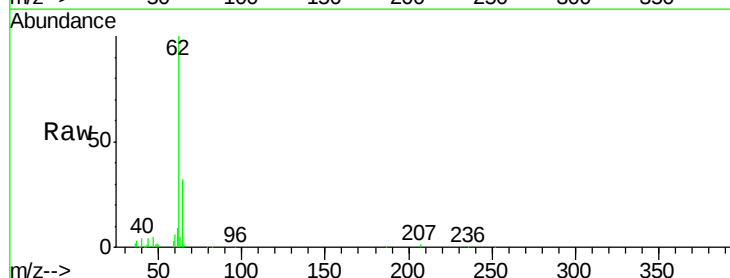
Acq: 17 Sep 2020 11:25

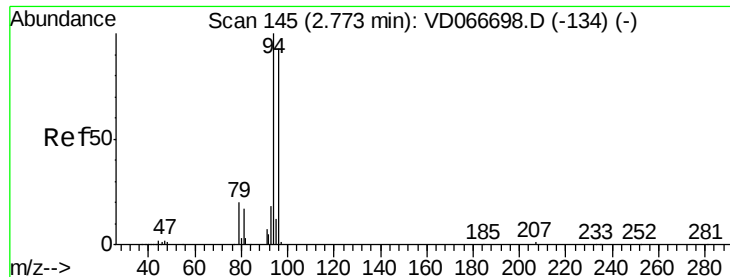
Tgt Ion: 62 Resp: 89094

Ion Ratio Lower Upper

62 100

64 32.1 24.4 36.6





#5

Bromomethane

Concen: 20.168 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD066736.D

Acq: 17 Sep 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion: 94 Resp: 65801

Ion Ratio Lower Upper

94 100

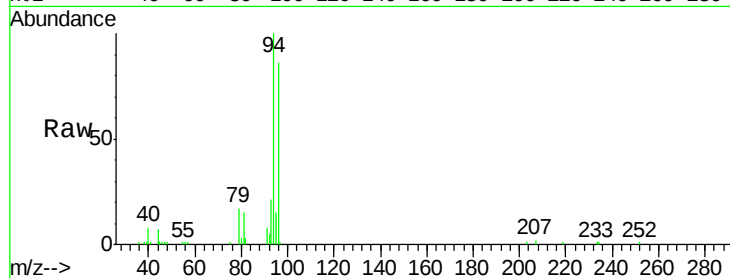
96 86.4 74.7 112.1

Manual Integrations

APPROVED

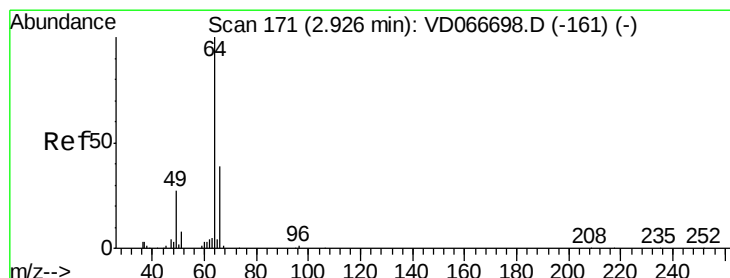
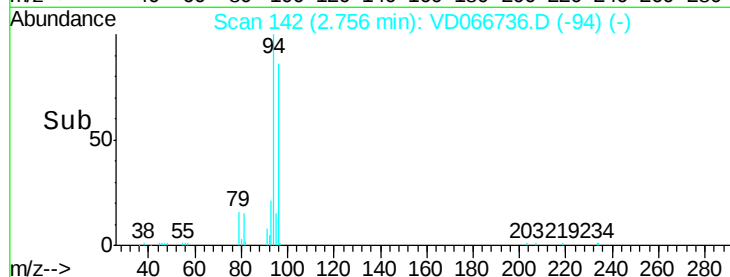
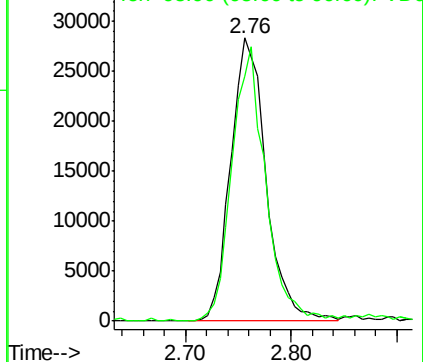
MMDadoda

9/18/2020 12:18:16 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.027 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD066736.D

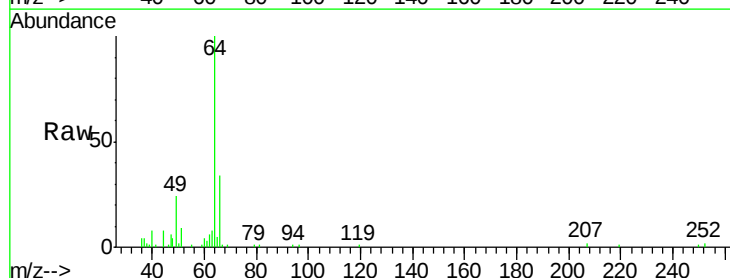
Acq: 17 Sep 2020 11:25

Tgt Ion: 64 Resp: 54517

Ion Ratio Lower Upper

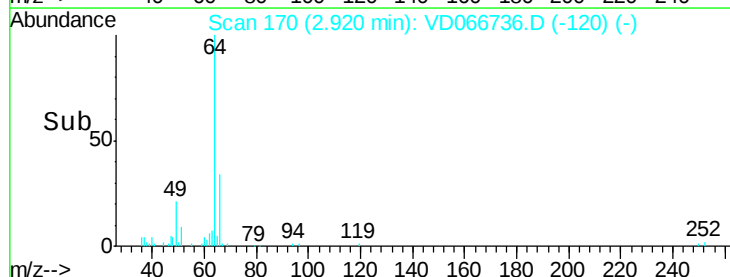
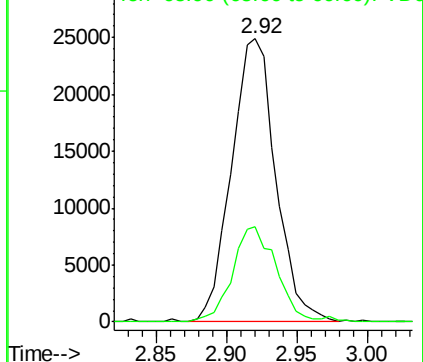
64 100

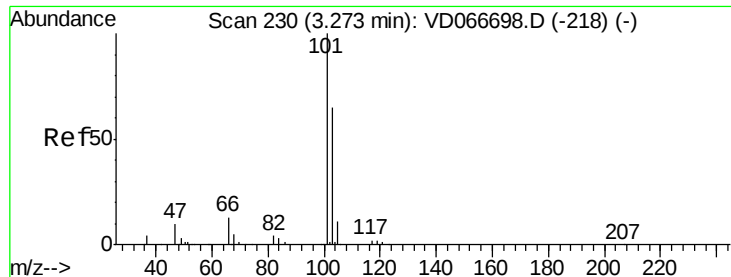
66 33.7 30.9 46.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

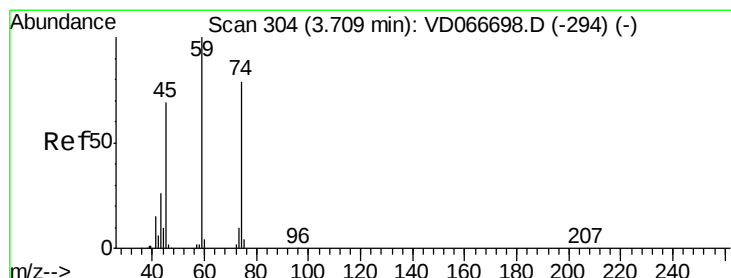
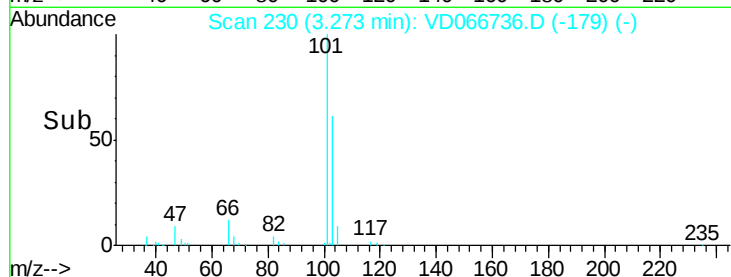
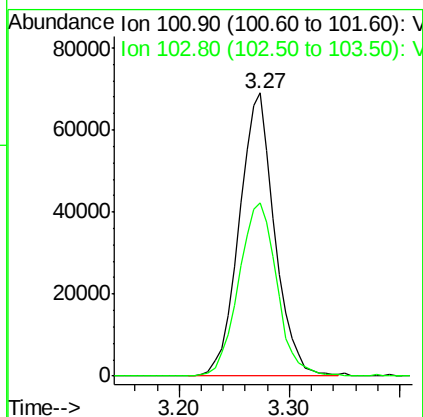
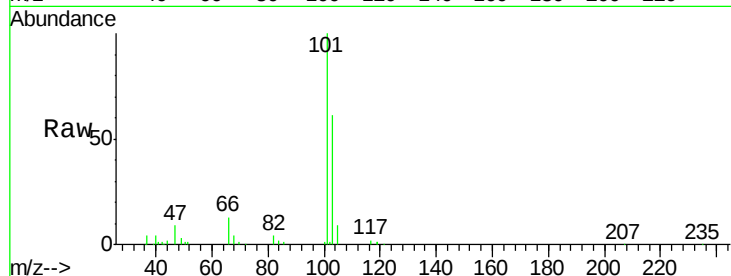
Trichlorofluoromethane
Concen: 19.529 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD066736.D
Acq: 17 Sep 2020 11:25

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	155141		
103	61.4	51.8	77.8	

Manual Integrations
APPROVED

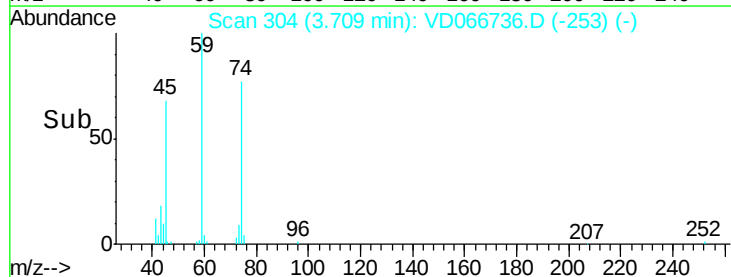
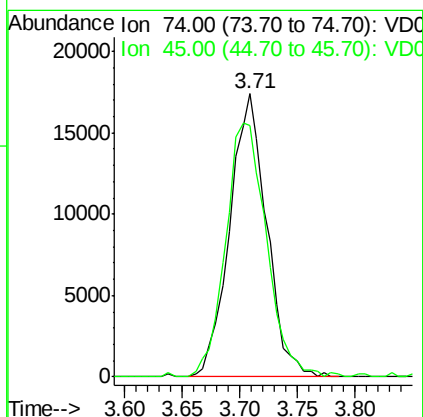
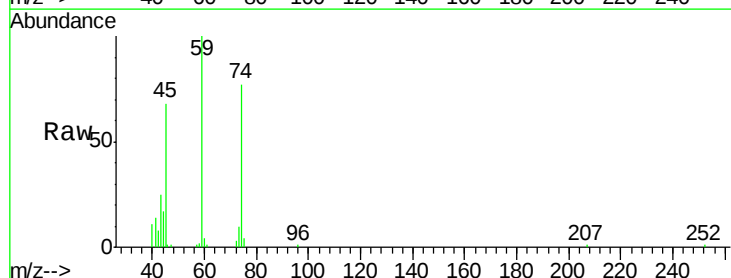
MMDadoda
9/18/2020 12:18:16 PM

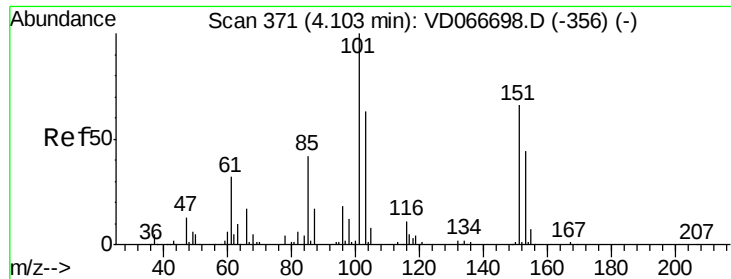


#8

Diethyl Ether
Concen: 19.435 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD066736.D
Acq: 17 Sep 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	38661		
45	99.1	48.0	144.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.664 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD066736.D

Acq: 17 Sep 2020 11:25

Instrument :

MSVOA_D

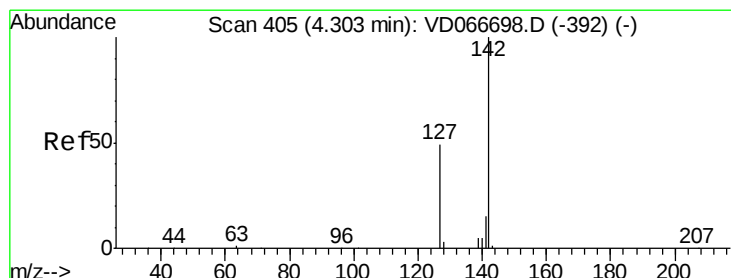
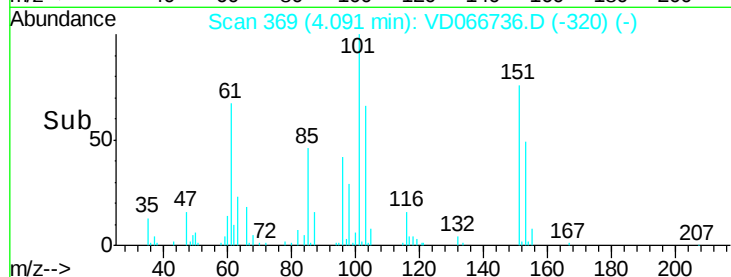
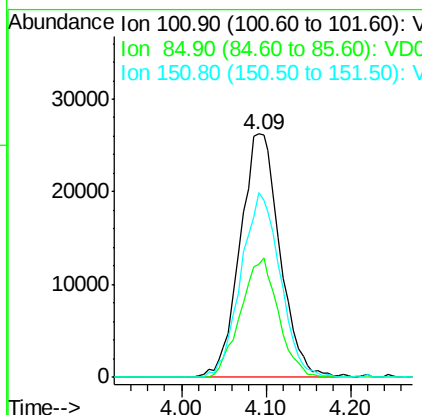
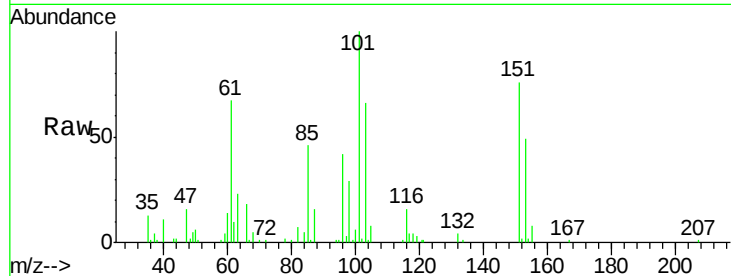
ClientSampleId :

VD0917SBS01

Tot Ion:	101	Resp:	85850
Ion Ratio	Lower	Upper	
101	100		
85	46.4	36.3	54.5
151	74.6	58.0	87.0

Manual Integrations
APPROVED

MMDadoda
9/18/2020 12:18:16 PM



#10

Methyl Iodide

Concen: 18.201 ug/l

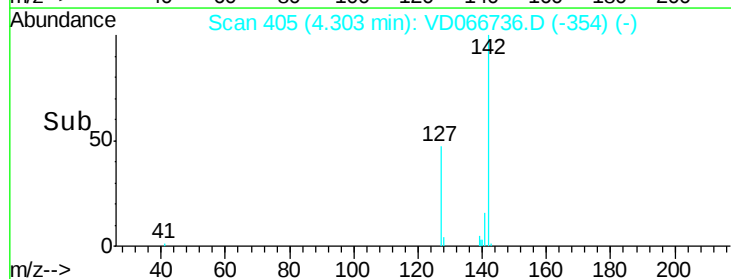
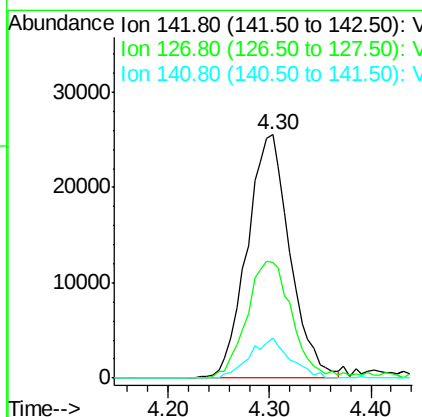
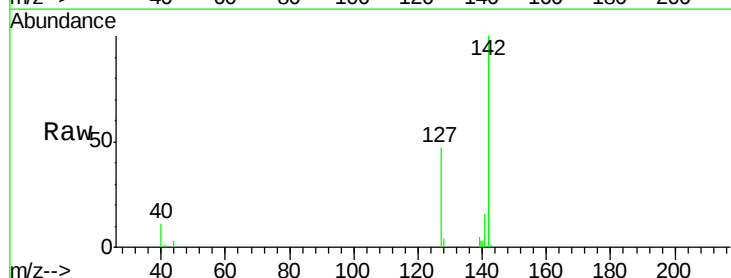
RT: 4.30 min Scan# 405

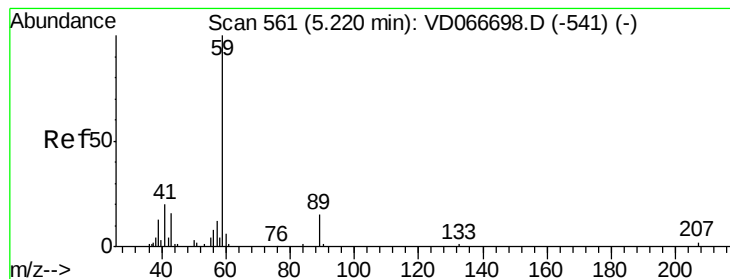
Delta R.T. -0.00 min

Lab File: VD066736.D

Acq: 17 Sep 2020 11:25

Tgt Ion:	142	Resp:	75393
Ion Ratio	Lower	Upper	
142	100		
127	50.2	39.0	58.4
141	15.3	11.7	17.5





#11

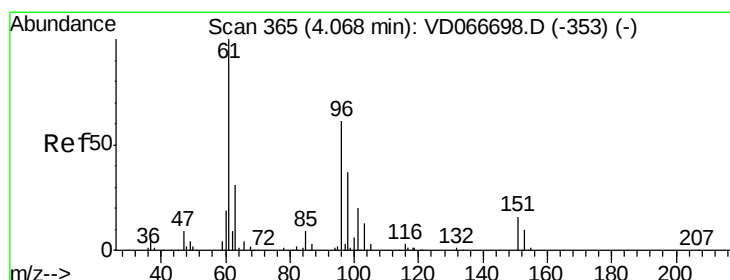
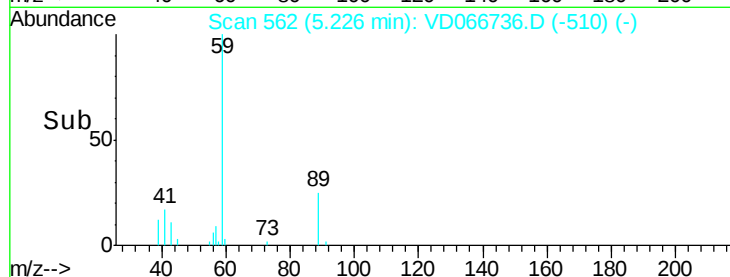
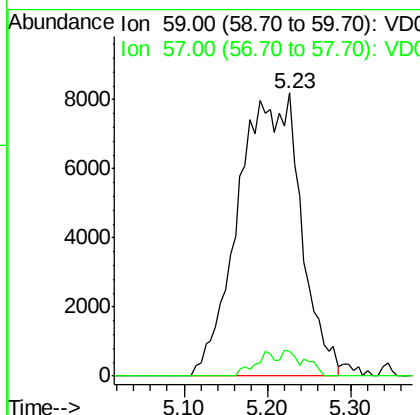
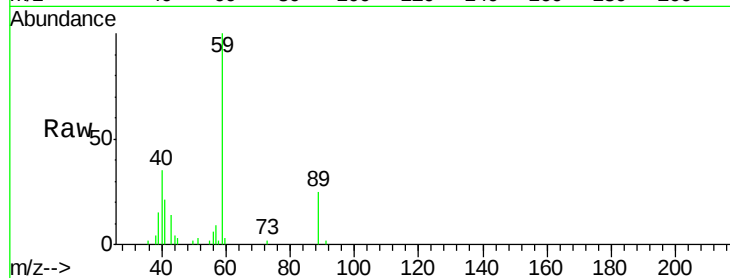
Tert butyl alcohol
 Concen: 113.178 ug/l m
 RT: 5.23 min Scan# 562
 Delta R.T. 0.01 min
 Lab File: VD066736.D
 Acq: 17 Sep 2020 11:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0917SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	42168		
57	3.1	6.7	10.1#	

Manual Integrations
 APPROVED

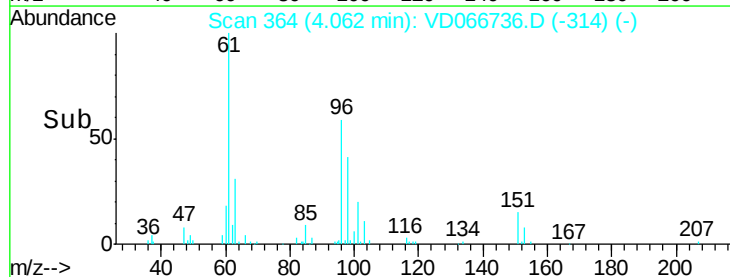
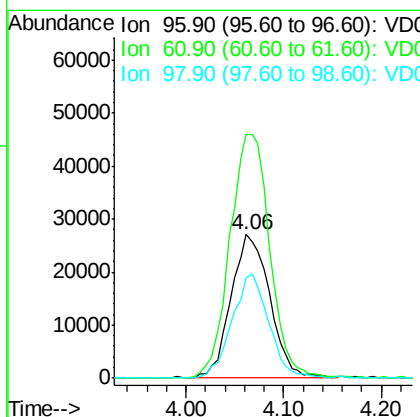
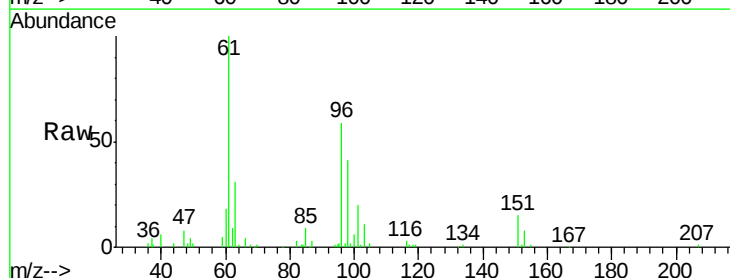
MMDadoda
 9/18/2020 12:18:16 PM

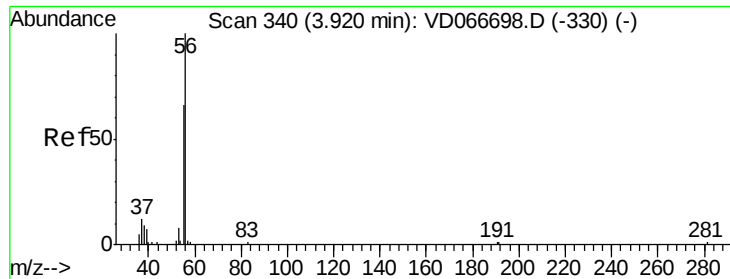


#12

1,1-Dichloroethene
 Concen: 18.670 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD066736.D
 Acq: 17 Sep 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	75440		
61	169.6	131.9	197.9	
98	69.9	49.1	73.7	





#13

Acrolein

Concen: 97.482 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD066736.D

Acq: 17 Sep 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion: 56 Resp: 29623

Ion Ratio Lower Upper

56 100

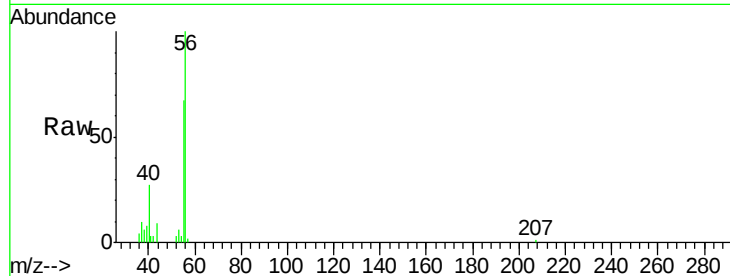
55 66.3 54.7 82.1

Manual Integrations

APPROVED

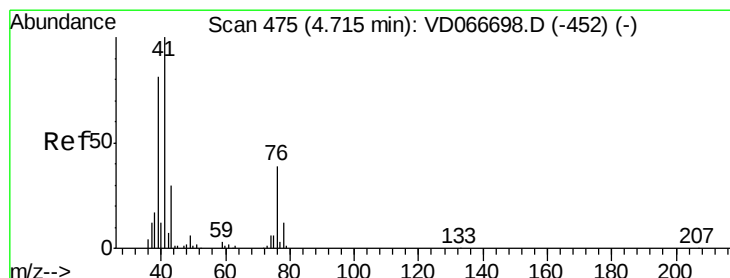
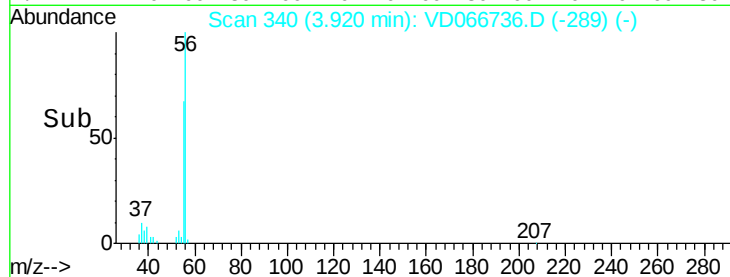
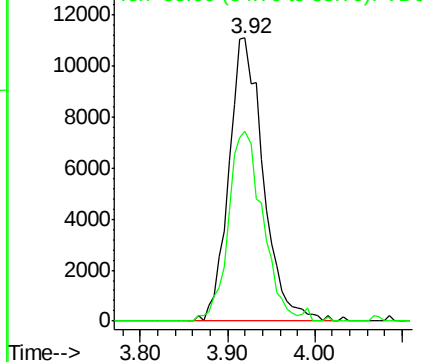
MMDadoda

9/18/2020 12:18:16 PM



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.413 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD066736.D

Acq: 17 Sep 2020 11:25

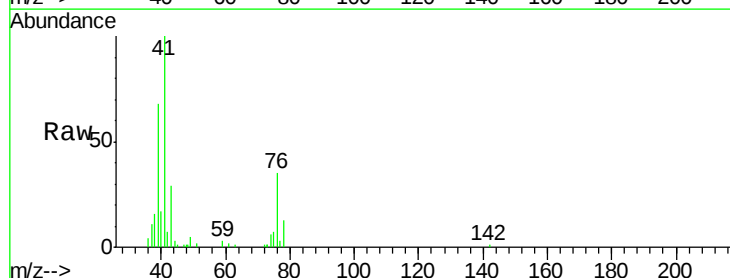
Tgt Ion: 41 Resp: 125981

Ion Ratio Lower Upper

41 100

39 71.8 60.6 90.8

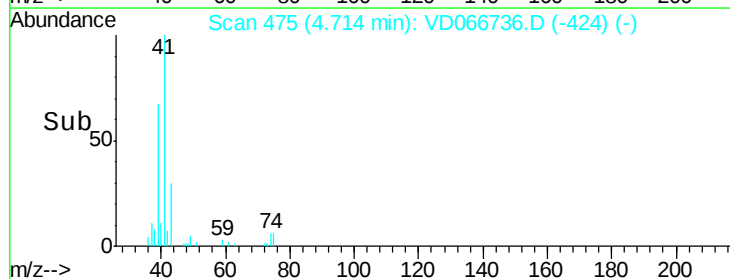
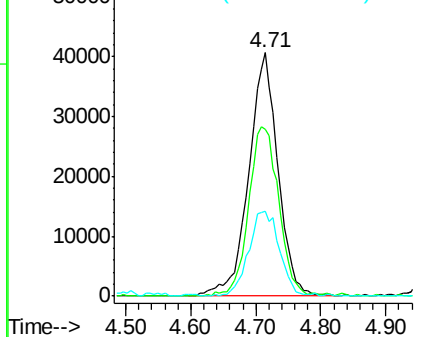
76 36.7 29.2 43.8

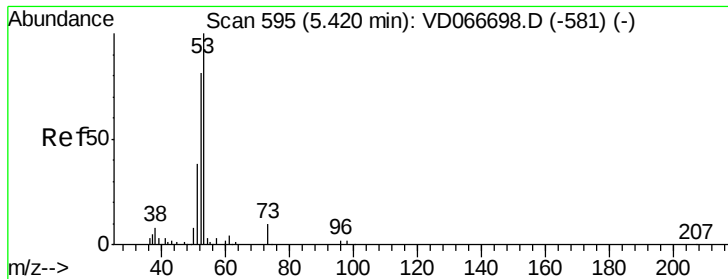


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 98.415 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD066736.D

Acq: 17 Sep 2020 11:25

Instrument :

MSVOA_D

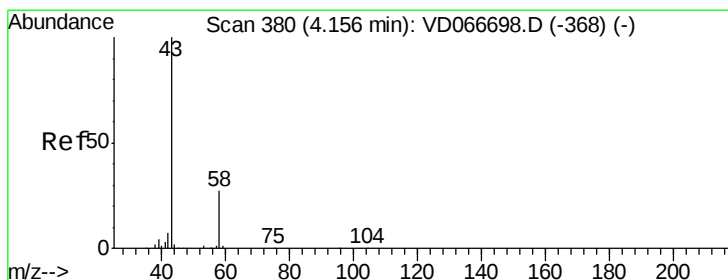
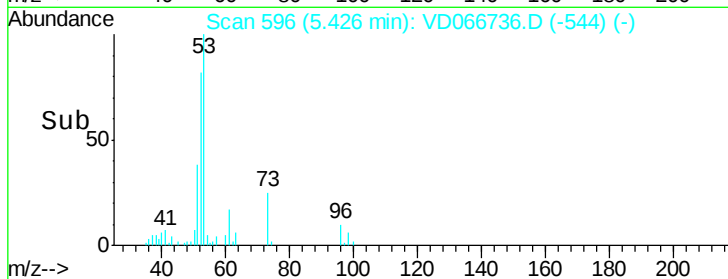
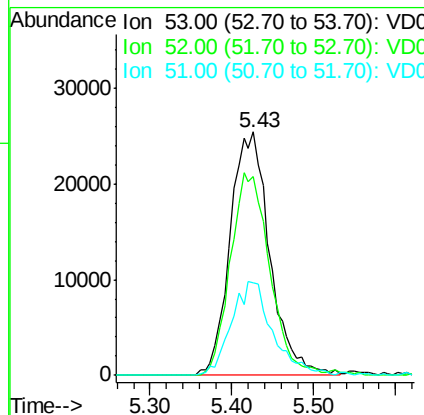
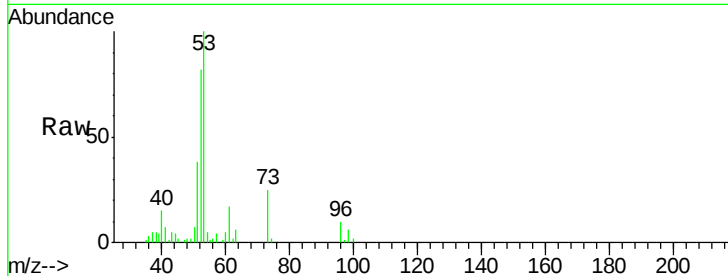
ClientSampleId :

VD0917SBS01

Tot Ion:	53	Resp:	85760
Ion Ratio	Lower	Upper	
53	100		
52	82.3	66.6	99.8
51	39.7	31.0	46.6

Manual Integrations
APPROVED

MMDadoda
9/18/2020 12:18:16 PM



#16

Acetone

Concen: 99.999 ug/l

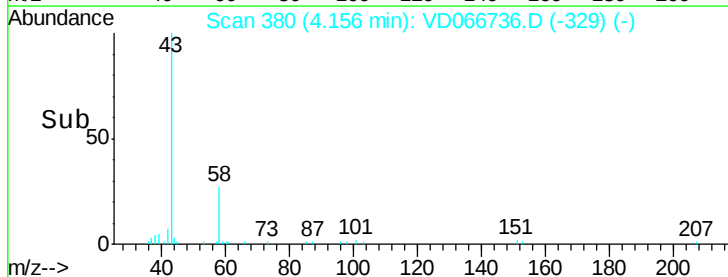
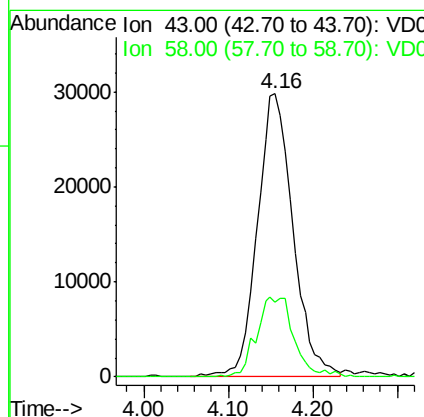
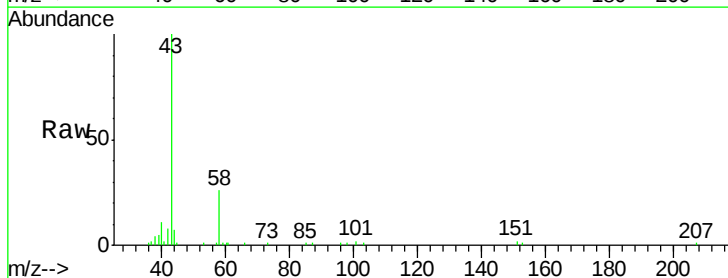
RT: 4.16 min Scan# 380

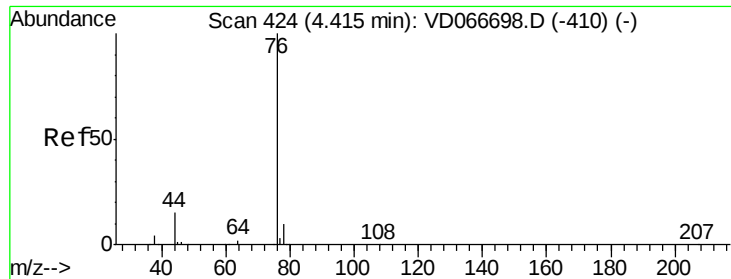
Delta R.T. -0.00 min

Lab File: VD066736.D

Acq: 17 Sep 2020 11:25

Tgt Ion:	43	Resp:	87741
Ion Ratio	Lower	Upper	
43	100		
58	26.4	21.9	32.9





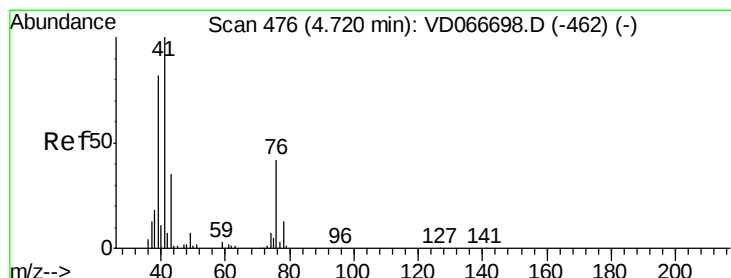
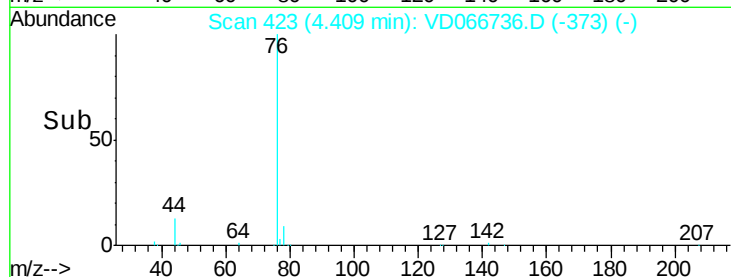
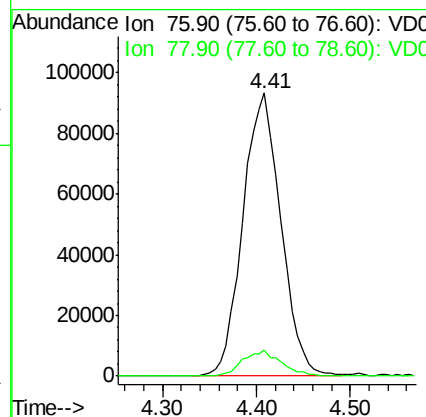
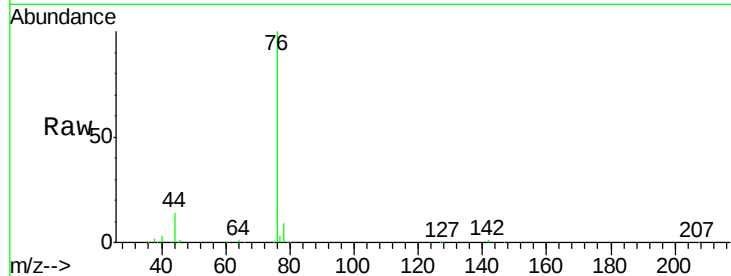
#17
Carbon Disulfide
Concen: 20.563 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.01 min
Lab File: VD066736.D
Acq: 17 Sep 2020 11:25

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

Tot Ion	Ratio	Resp	Lower	Upper
76	100	261094		
78	9.2		8.0	12.0

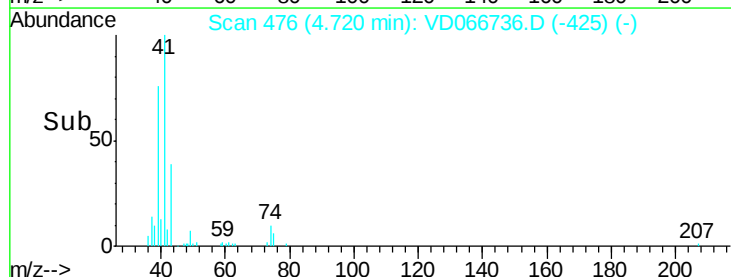
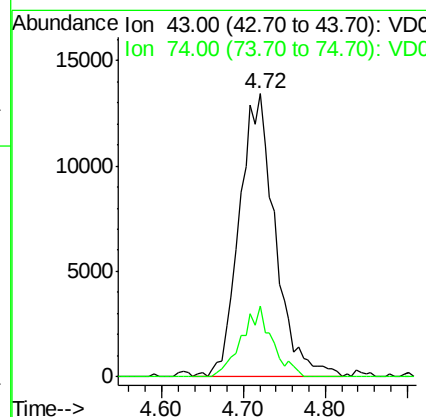
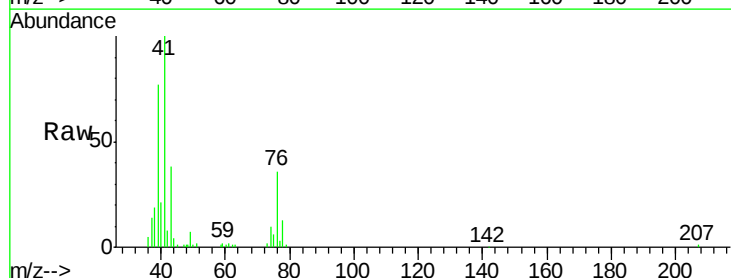
Manual Integrations
APPROVED

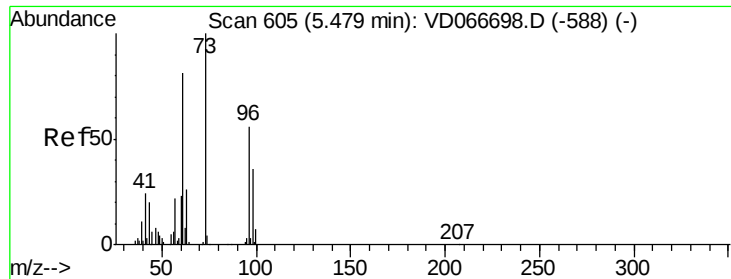
MMDadoda
9/18/2020 12:18:16 PM



#18
Methyl Acetate
Concen: 19.720 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD066736.D
Acq: 17 Sep 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	41021		
74	21.4		18.6	28.0





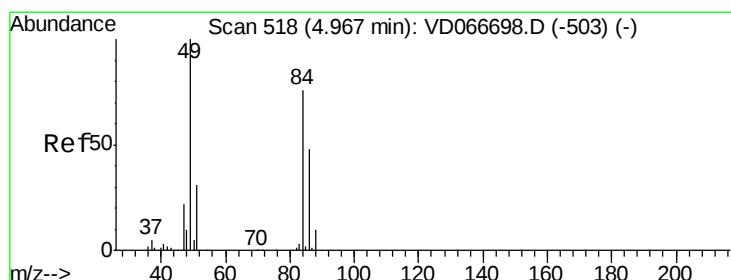
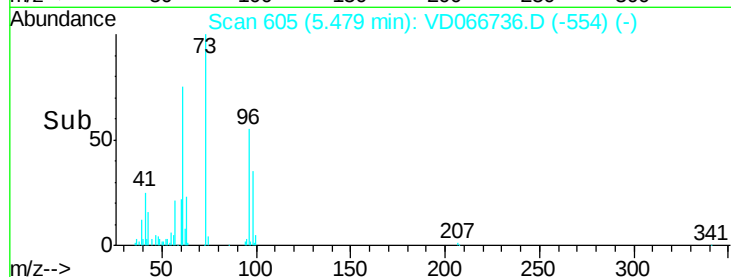
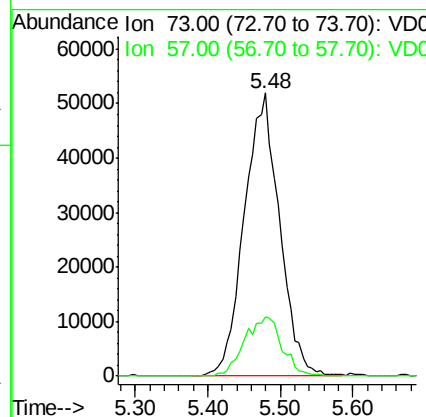
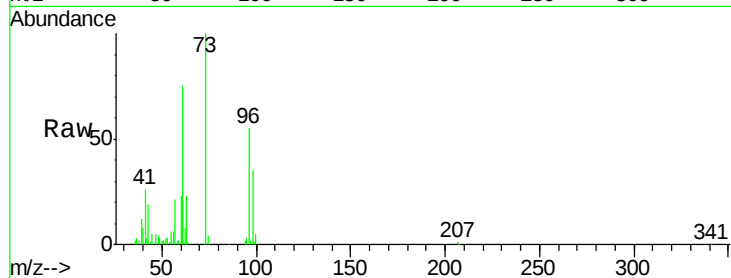
#19
Methvl tert-butvl Ether
Concen: 19.609 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD066736.D
Acq: 17 Sep 2020 11:25

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

Tot Ion	73	Resp	176490
Ion Ratio	Lower	Upper	
73	100		
57	21.0	17.8	26.6

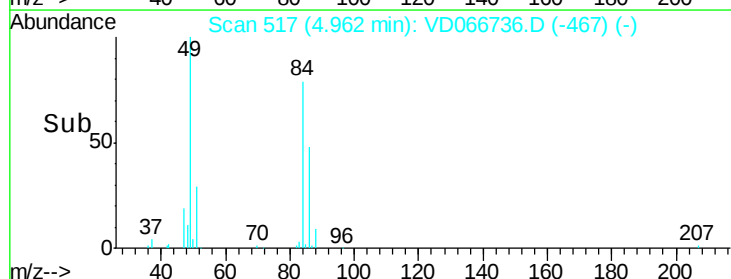
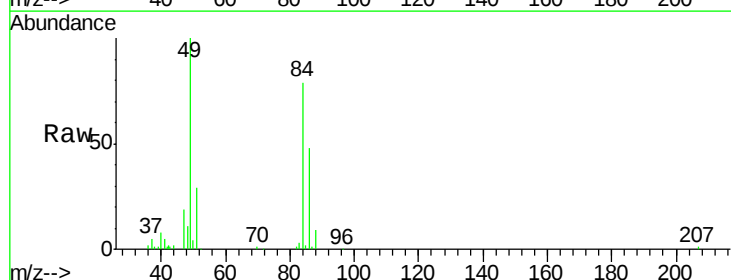
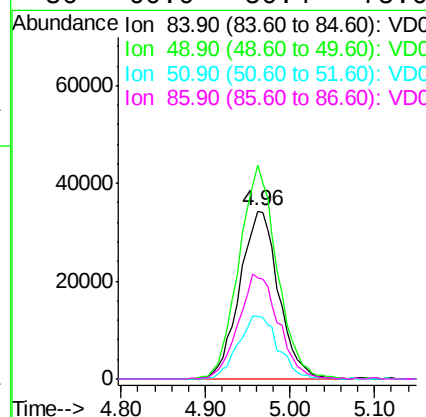
Manual Integrations
APPROVED

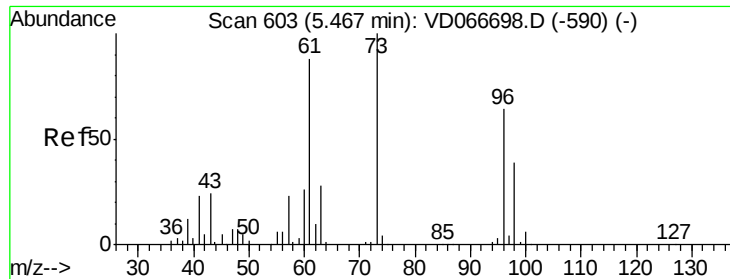
MMDadoda
9/18/2020 12:18:16 PM



#20
Methylene Chloride
Concen: 18.608 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066736.D
Acq: 17 Sep 2020 11:25

Tgt Ion	84	Resp	109565
Ion Ratio	Lower	Upper	
84	100		
49	126.9	105.0	157.6
51	37.1	32.2	48.4
86	60.0	50.4	75.6





#21

trans-1,2-Dichloroethene

Concen: 19.575 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD066736.D

Acq: 17 Sep 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion: 96 Resp: 92156

Ion Ratio Lower Upper

96 100

61 138.4 110.6 166.0

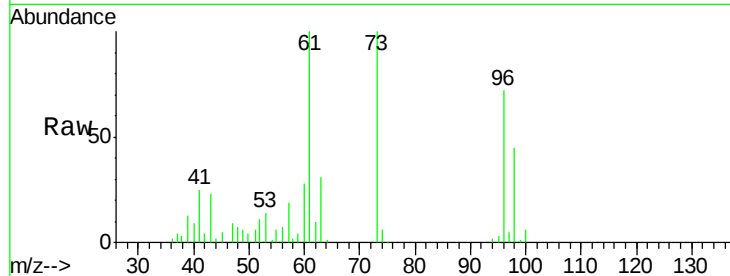
98 62.4 49.2 73.8

Manual Integrations

APPROVED

MMDadoda

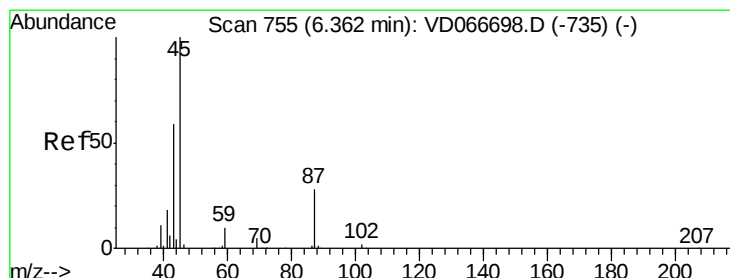
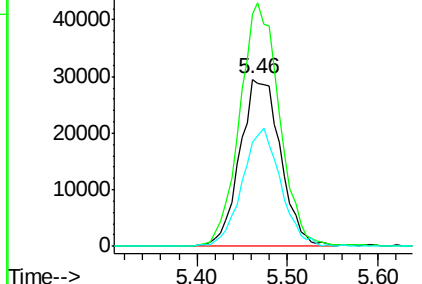
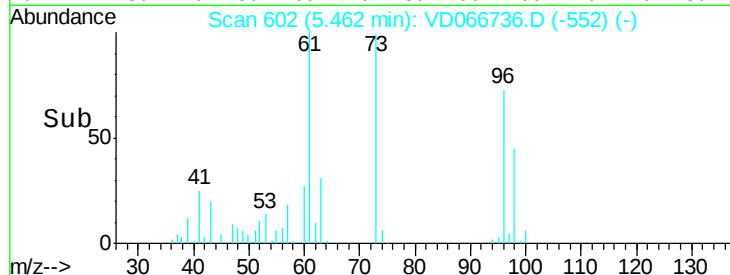
9/18/2020 12:18:16 PM



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



#22

Diisopropyl ether

Concen: 20.097 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.00 min

Lab File: VD066736.D

Acq: 17 Sep 2020 11:25

Tgt Ion: 45 Resp: 264997

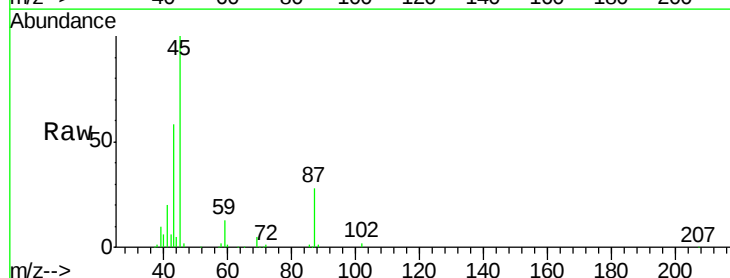
Ion Ratio Lower Upper

45 100

43 57.1 46.9 70.3

87 27.6 22.4 33.6

59 13.1 8.5 12.7#

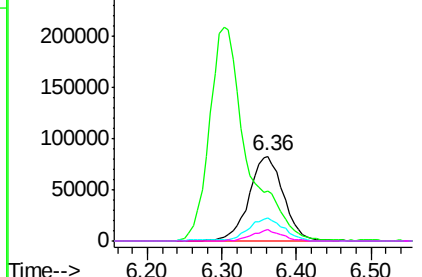
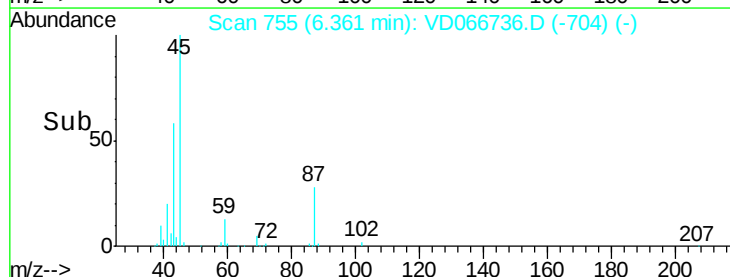


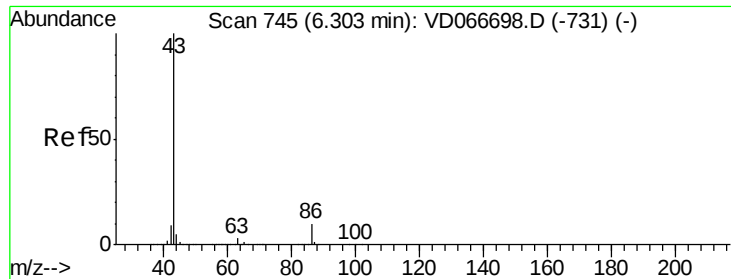
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 99.316 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD066736.D

Acq: 17 Sep 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion: 43 Resp: 728448

Ion Ratio Lower Upper

43 100

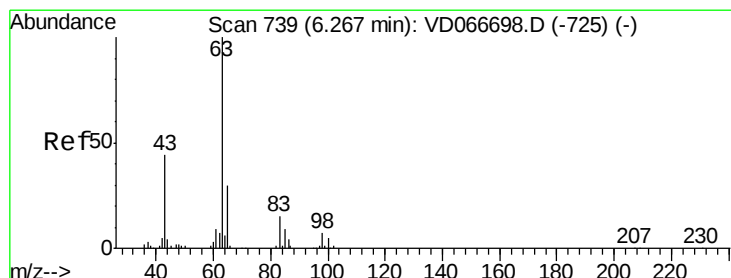
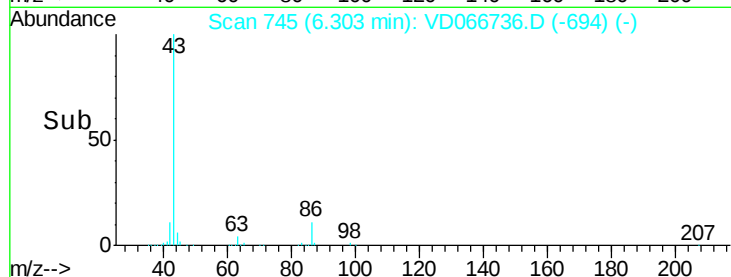
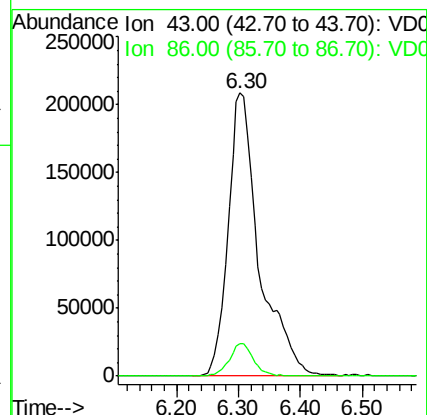
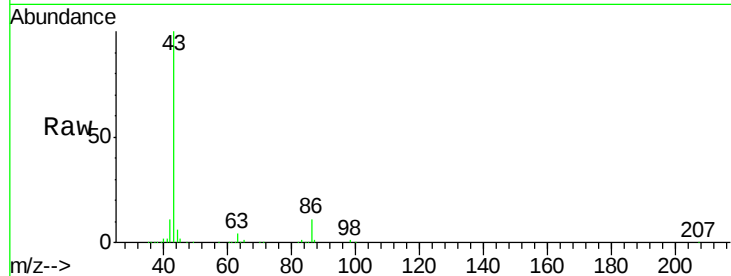
86 11.4 7.8 11.8

Manual Integrations

APPROVED

MMDadoda

9/18/2020 12:18:16 PM



#24

1,1-Dichloroethane

Concen: 19.680 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD066736.D

Acq: 17 Sep 2020 11:25

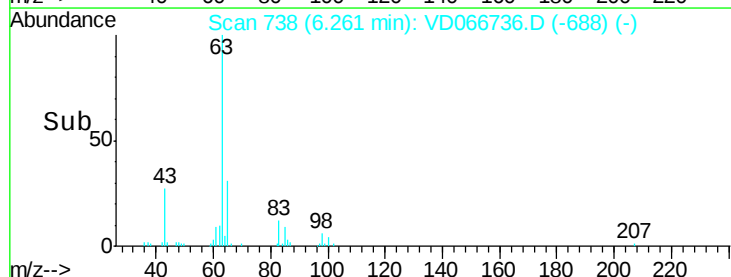
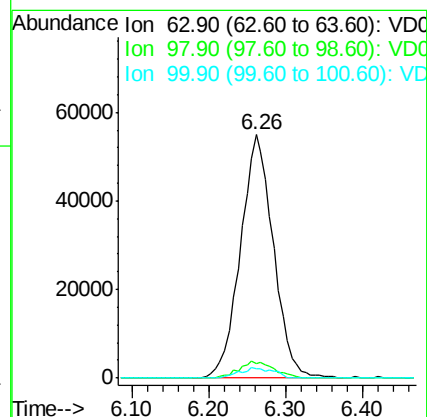
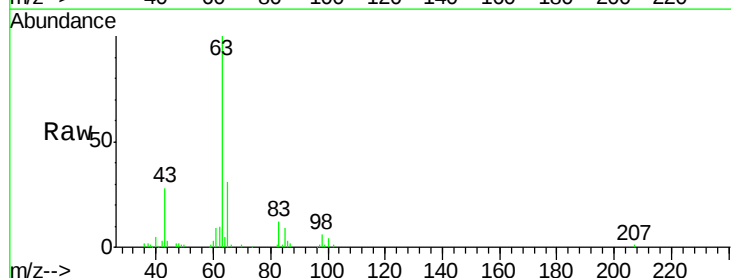
Tgt Ion: 63 Resp: 164670

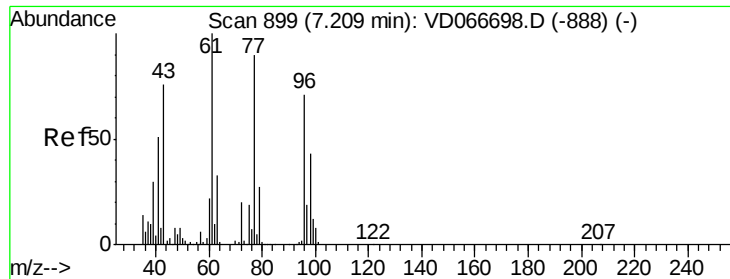
Ion Ratio Lower Upper

63 100

98 5.9 3.4 10.2

100 3.6 2.6 8.0





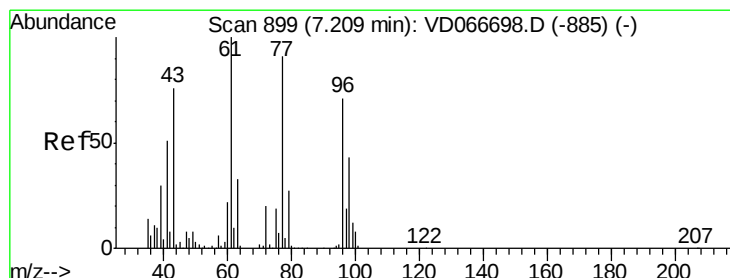
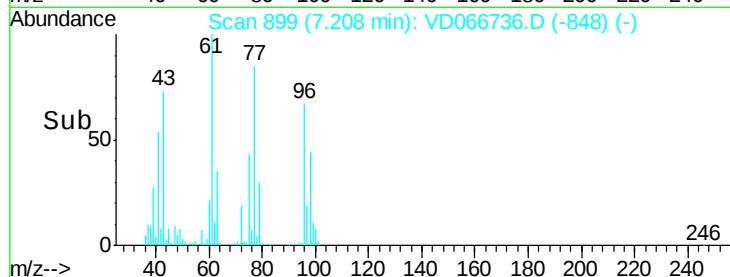
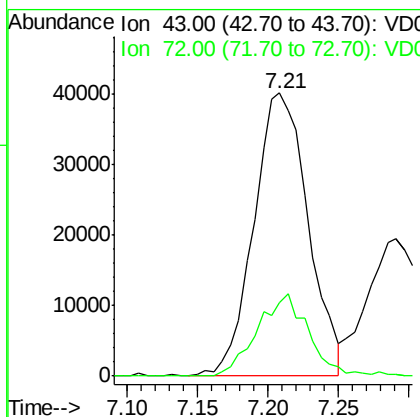
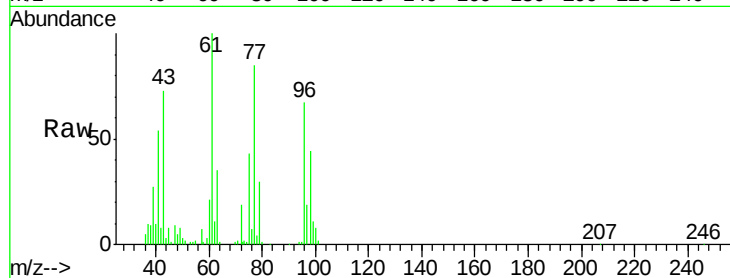
#25
2-Butanone
Concen: 94.603 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD066736.D
Acq: 17 Sep 2020 11:25

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

Tot Ion: 43 Resp: 108086
Ion Ratio Lower Upper
43 100
72 26.1 21.0 31.4

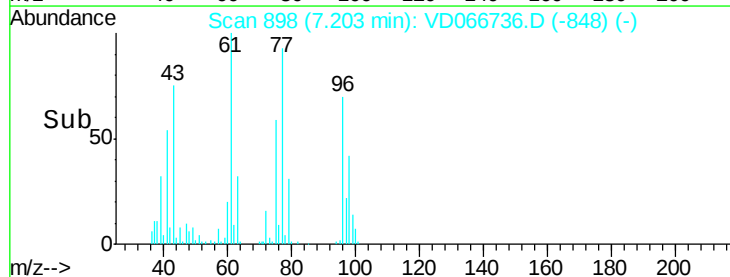
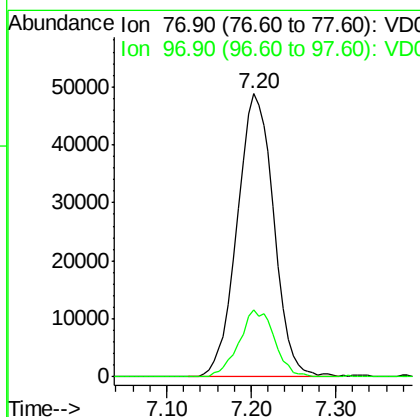
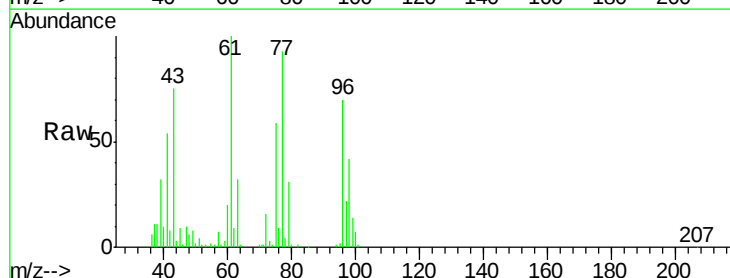
Manual Integrations
APPROVED

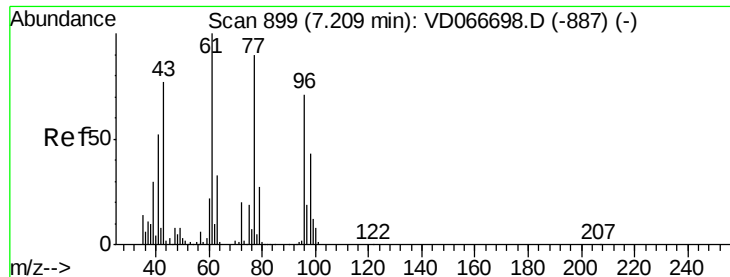
MMDadoda
9/18/2020 12:18:16 PM



#26
2,2-Dichloropropane
Concen: 18.966 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD066736.D
Acq: 17 Sep 2020 11:25

Tgt Ion: 77 Resp: 146748
Ion Ratio Lower Upper
77 100
97 23.0 10.6 31.8





#27

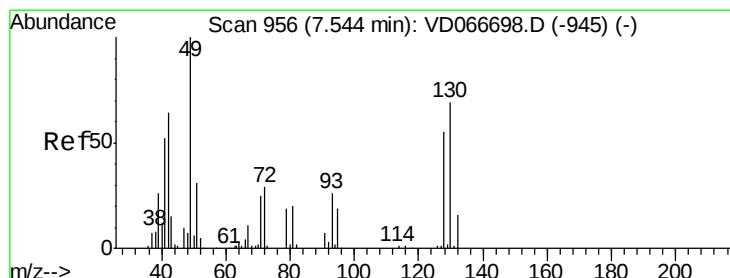
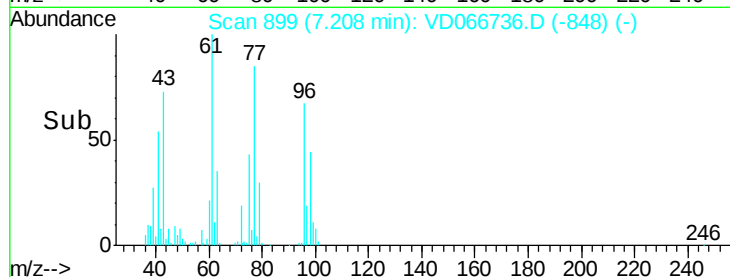
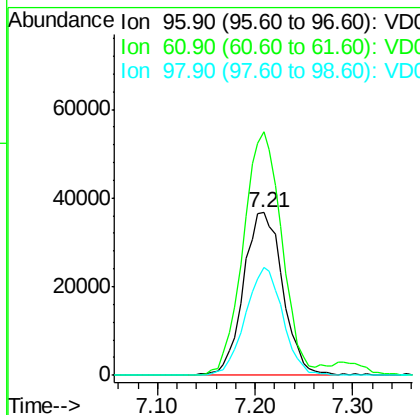
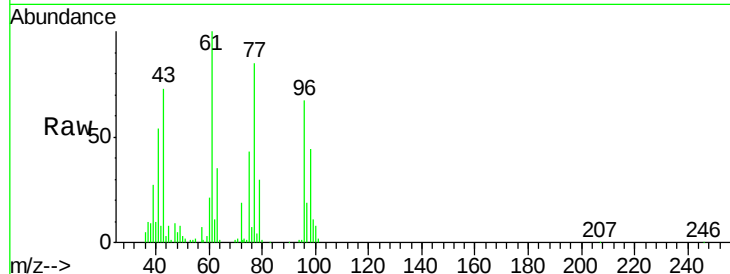
cis-1,2-Dichloroethene
Concen: 19.980 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD066736.D
Acq: 17 Sep 2020 11:25

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	146.9	0.0	292.4	
98	63.2	0.0	127.0	

Manual Integrations
APPROVED

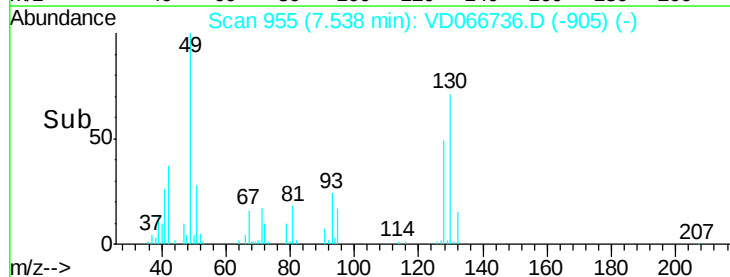
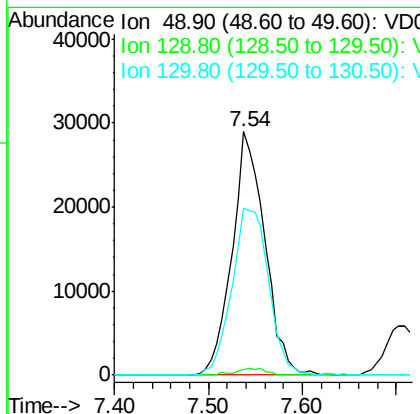
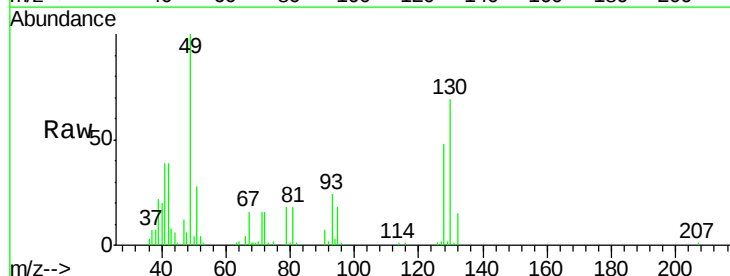
MMDadoda
9/18/2020 12:18:16 PM

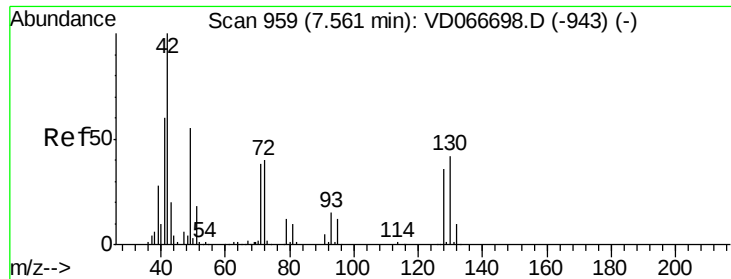


#28

Bromochloromethane
Concen: 22.367 ug/l
RT: 7.54 min Scan# 955
Delta R.T. -0.01 min
Lab File: VD066736.D
Acq: 17 Sep 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.4	0.0	3.8	
130	76.8	58.6	88.0	





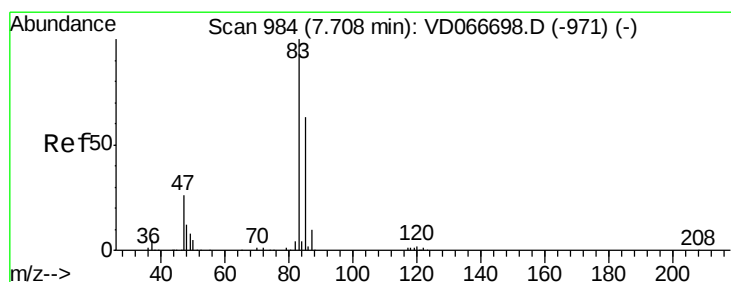
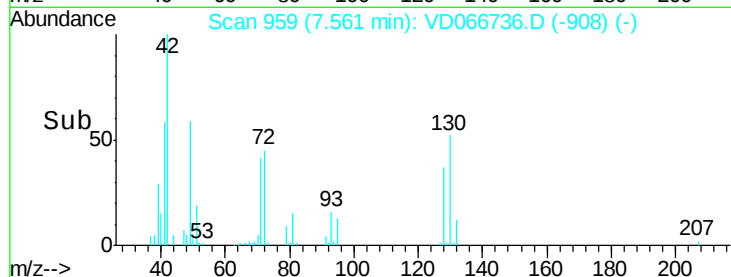
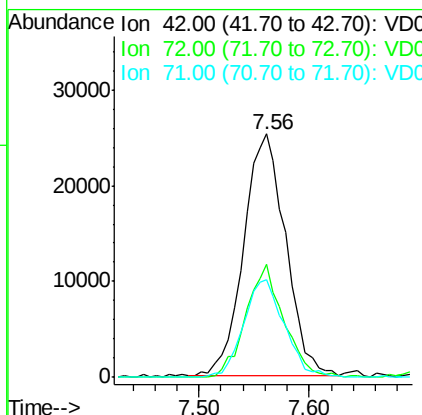
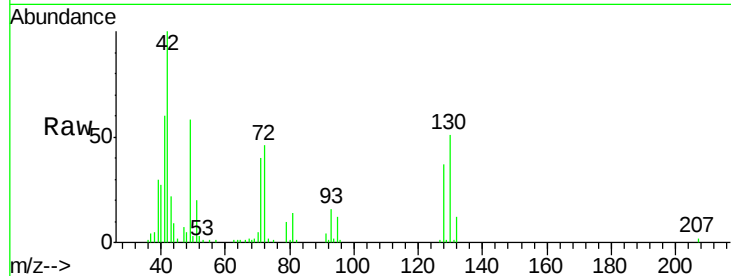
#29
Tetrahydrofuran
Concen: 95.931 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.00 min
Lab File: VD066736.D
Acq: 17 Sep 2020 11:25

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	32.6	48.8
71	39.5	30.6	45.8

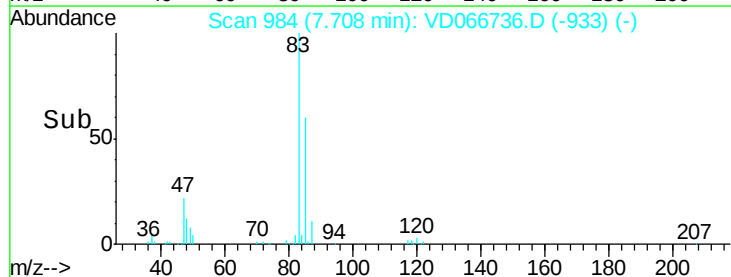
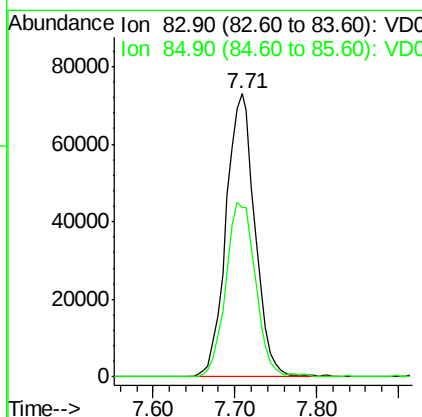
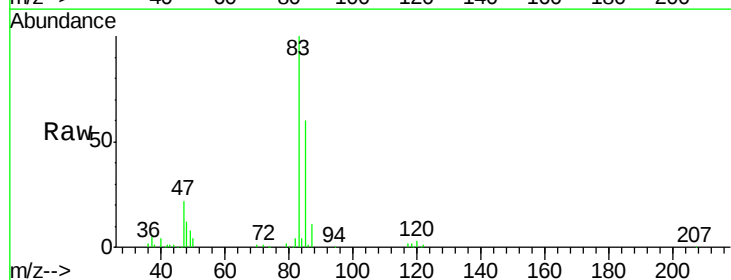
Manual Integrations
APPROVED

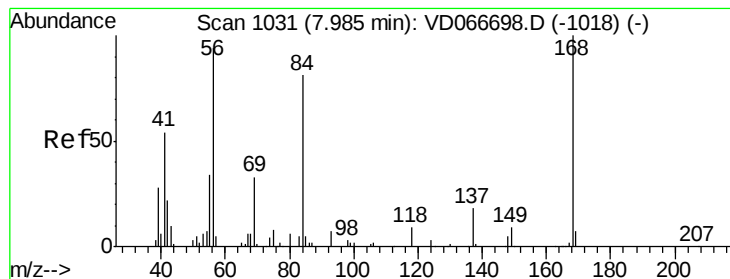
MMDadoda
9/18/2020 12:18:16 PM



#30
Chloroform
Concen: 20.126 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.00 min
Lab File: VD066736.D
Acq: 17 Sep 2020 11:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.6	50.6	76.0





#31

Cyclohexane

Concen: 19.052 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066736.D

Acq: 17 Sep 2020 11:25

Instrument :

MSVOA_D

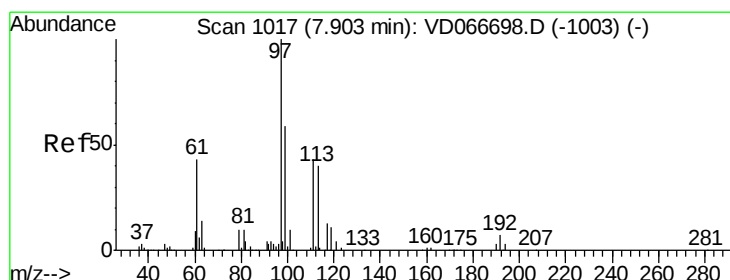
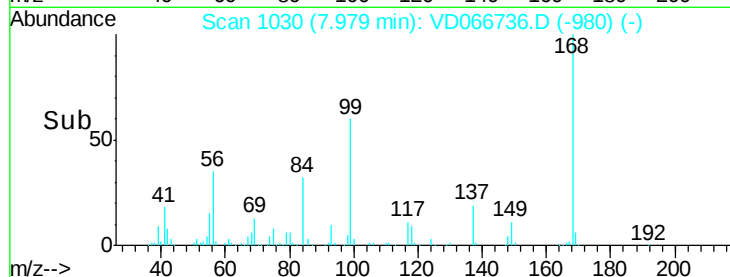
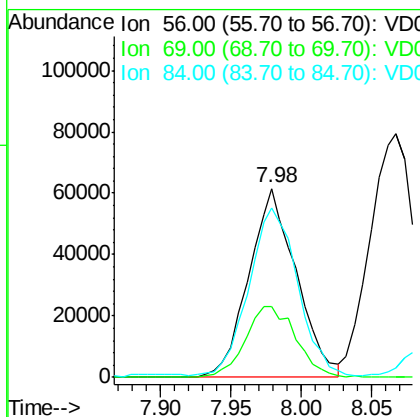
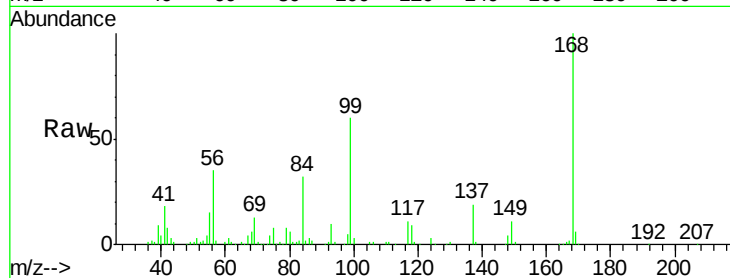
ClientSampleId :

VD0917SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		145006		
69	37.3	27.7	41.5		
84	88.4	68.5	102.7		

Manual Integrations
APPROVED

MMDadoda
9/18/2020 12:18:16 PM



#32

1,1,1-Trichloroethane

Concen: 19.932 ug/l

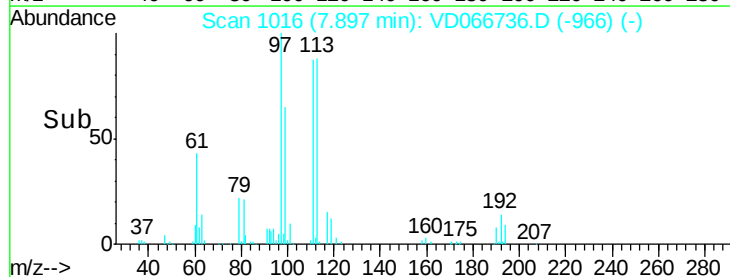
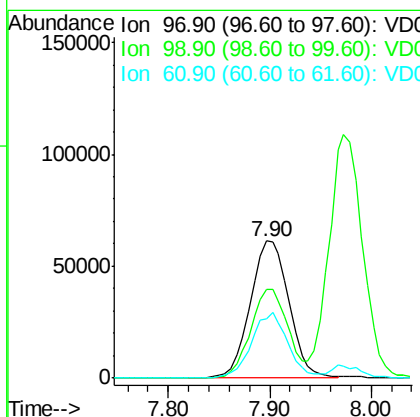
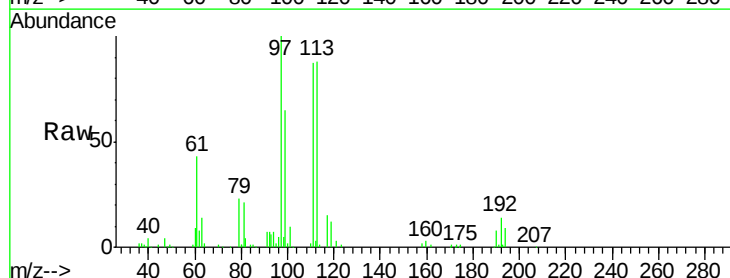
RT: 7.90 min Scan# 1016

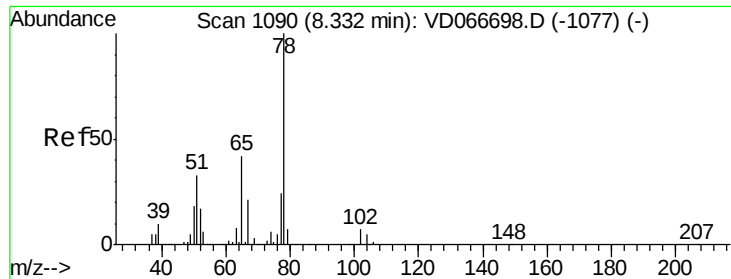
Delta R.T. -0.01 min

Lab File: VD066736.D

Acq: 17 Sep 2020 11:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		162421		
99	63.8	51.0	76.4		
61	44.8	35.2	52.8		





#33

1,2-Dichloroethane-d4

Concen: 49.674 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066736.D

Acq: 17 Sep 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion: 65 Resp: 214029

Ion Ratio Lower Upper

65 100

67 53.1

0.0

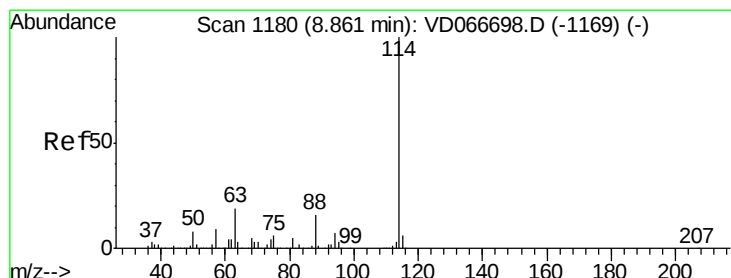
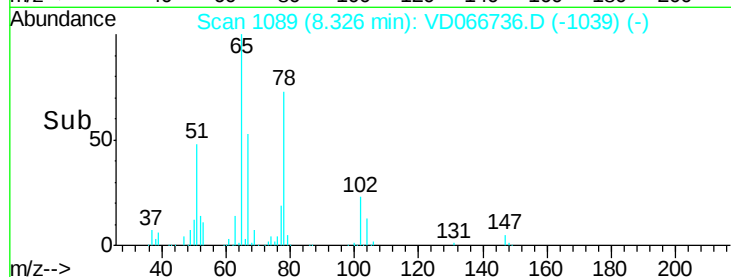
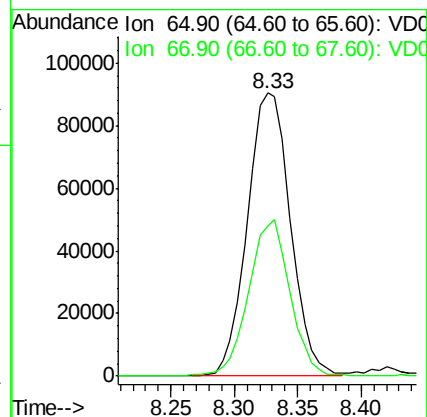
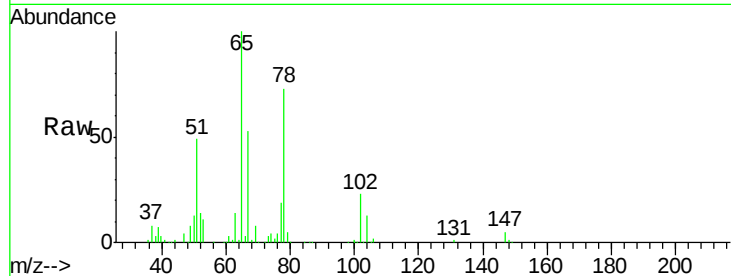
102.2

Manual Integrations

APPROVED

MMDadoda

9/18/2020 12:18:16 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066736.D

Acq: 17 Sep 2020 11:25

Tgt Ion: 114 Resp: 669489

Ion Ratio Lower Upper

114 100

63 21.0

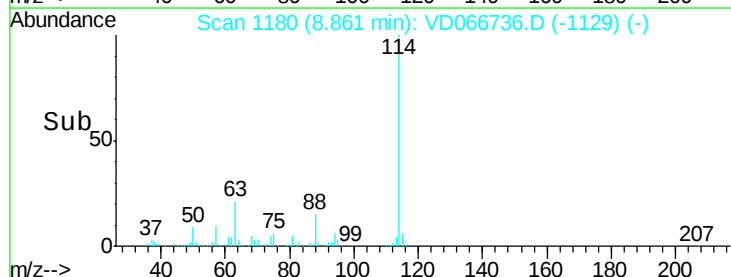
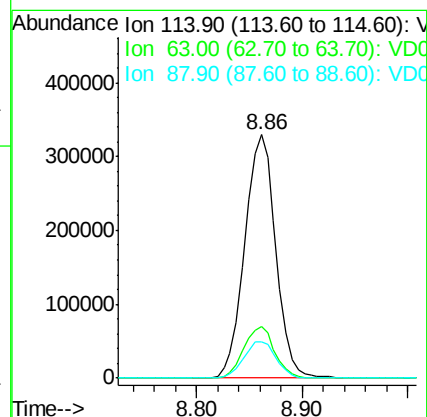
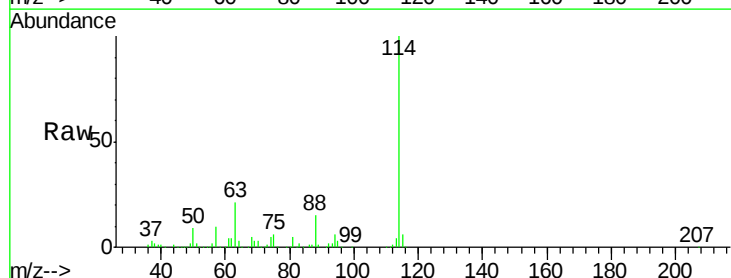
0.0

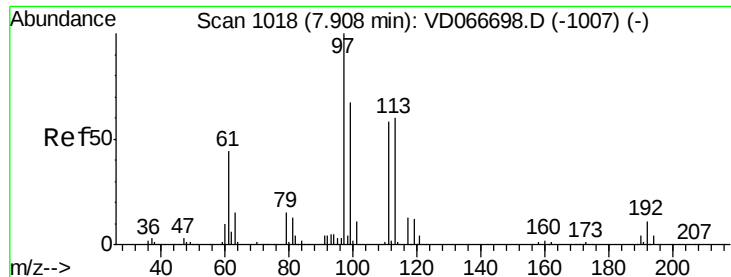
37.6

88 15.1

0.0

32.2





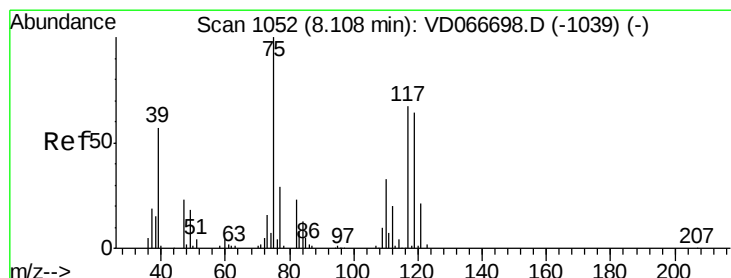
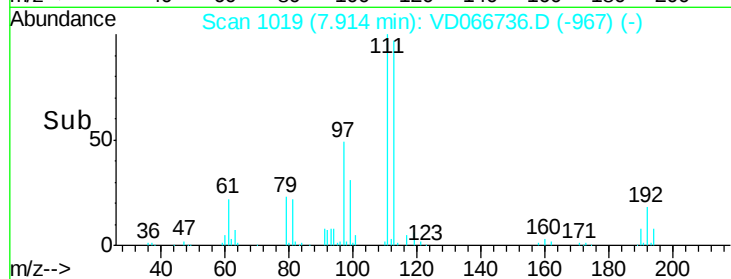
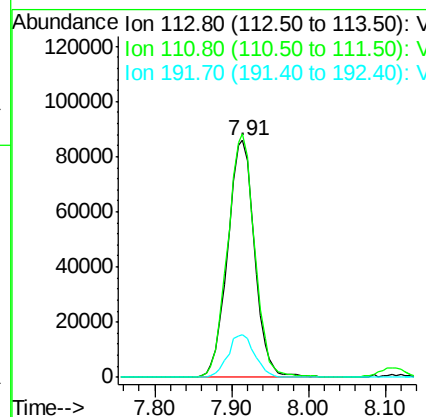
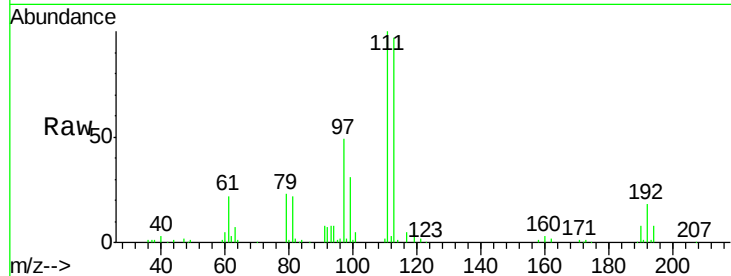
#35
Dibromofluoromethane
Concen: 50.973 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VD066736.D
Acq: 17 Sep 2020 11:25

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	209224		
111	103.2	83.2	124.8	
192	18.0	14.8	22.2	

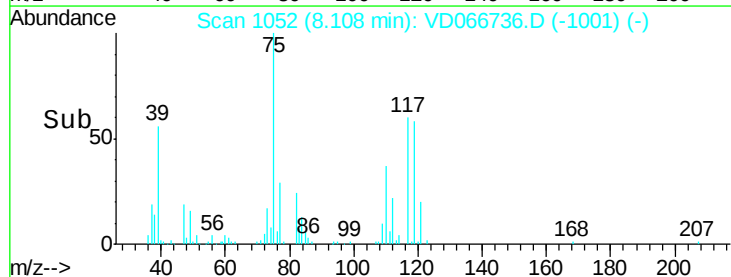
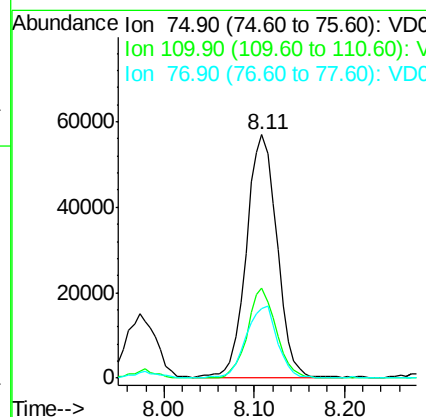
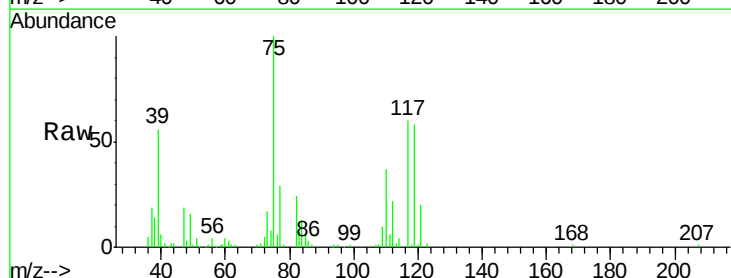
Manual Integrations
APPROVED

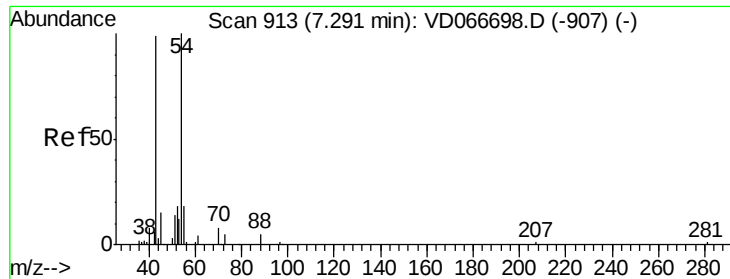
MMDadoda
9/18/2020 12:18:16 PM



#36
1,1-Dichloropropene
Concen: 19.486 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VD066736.D
Acq: 17 Sep 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	134125		
110	34.6	17.1	51.2	
77	30.4	25.0	37.6	





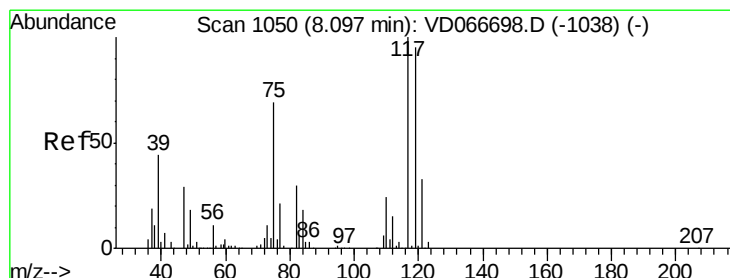
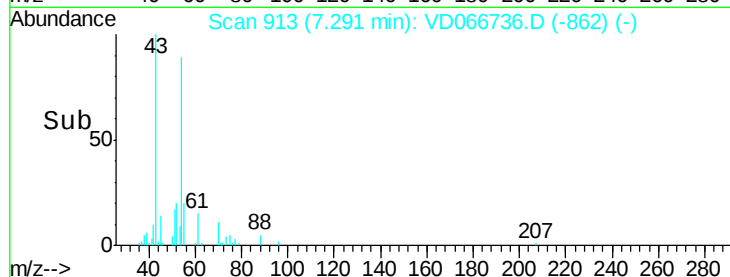
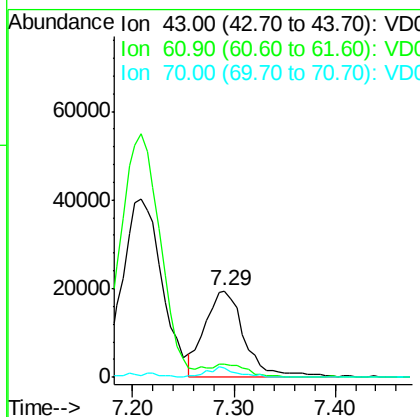
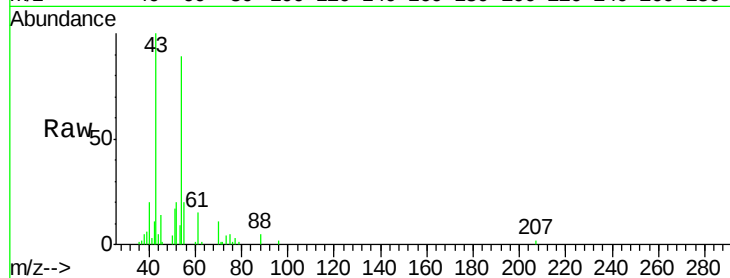
#37
Ethyl Acetate
Concen: 19.851 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD066736.D
Acq: 17 Sep 2020 11:25

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.1	10.4	15.6
70	9.0	7.5	11.3

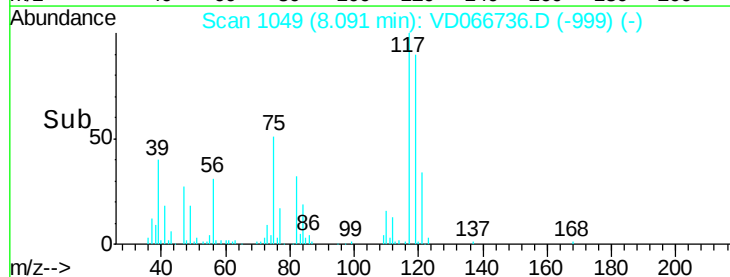
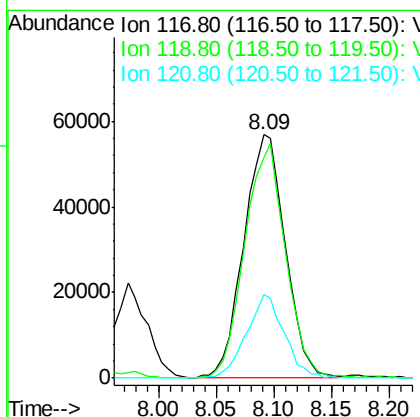
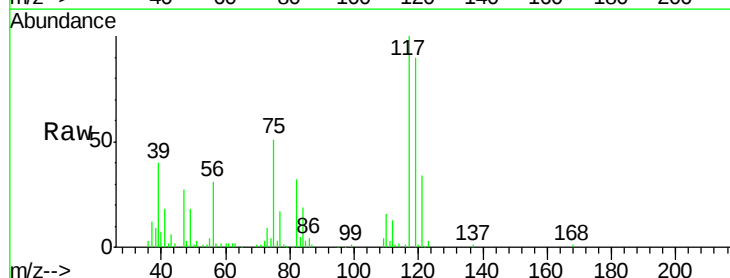
Manual Integrations
APPROVED

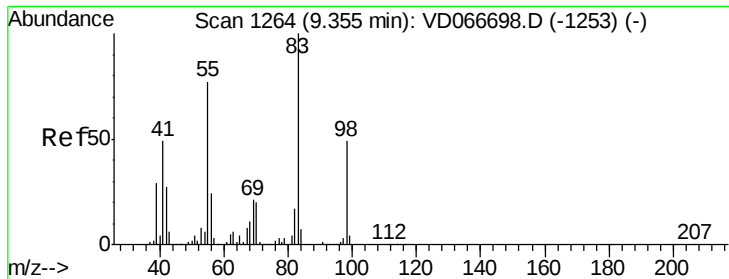
MMDadoda
9/18/2020 12:18:16 PM



#38
Carbon Tetrachloride
Concen: 19.347 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD066736.D
Acq: 17 Sep 2020 11:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.7	75.8	113.6
121	34.5	26.2	39.4





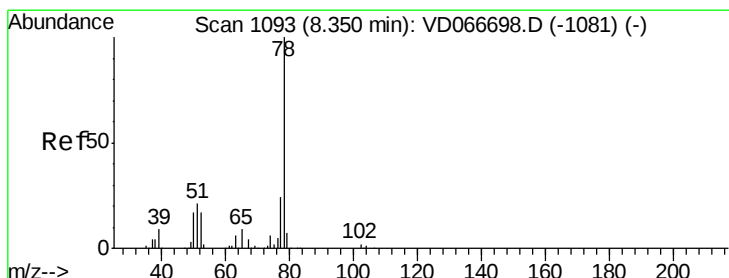
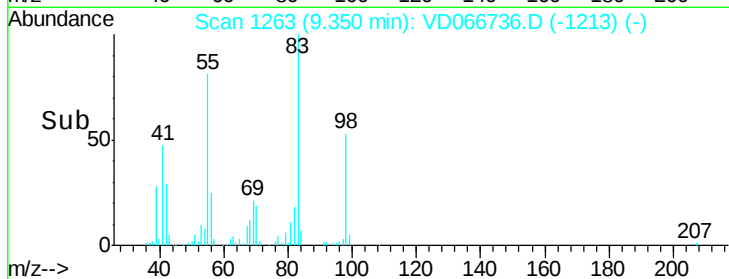
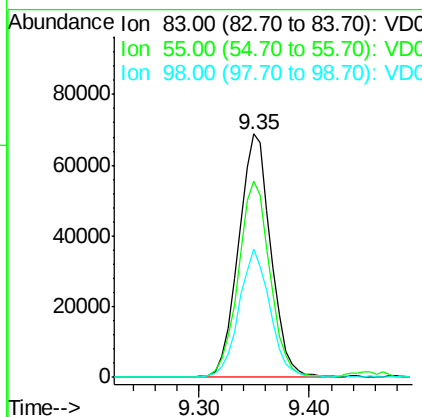
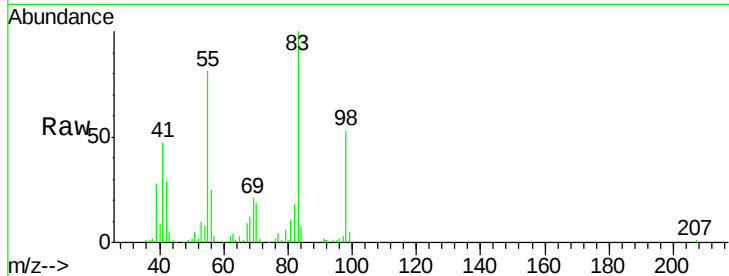
#39
Methvlcvclohexane
Concen: 17.983 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD066736.D
Acq: 17 Sep 2020 11:25

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	141583		
55	80.8	61.5	92.3	
98	52.7	39.3	58.9	

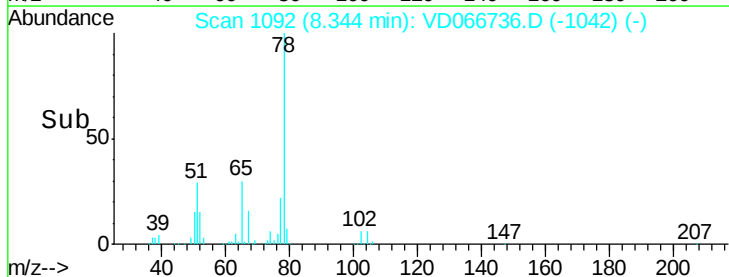
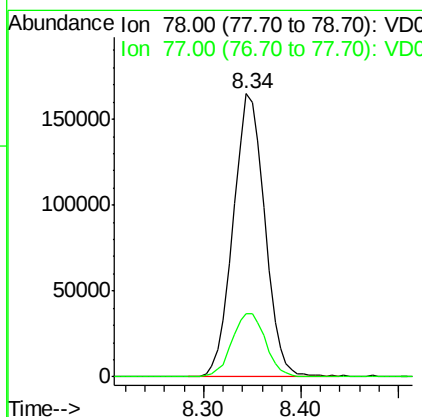
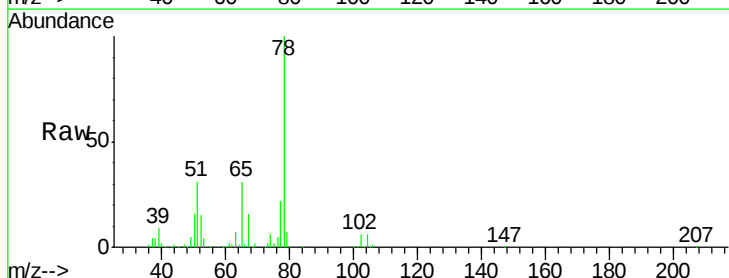
Manual Integrations
APPROVED

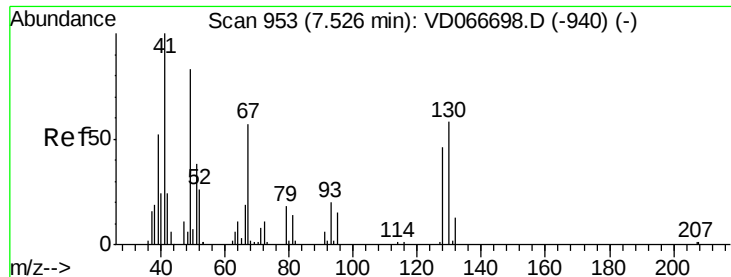
MMDadoda
9/18/2020 12:18:16 PM



#40
Benzene
Concen: 19.980 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VD066736.D
Acq: 17 Sep 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	372072		
77	22.2	19.3	28.9	





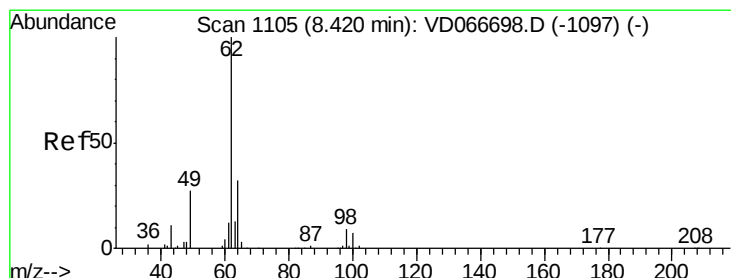
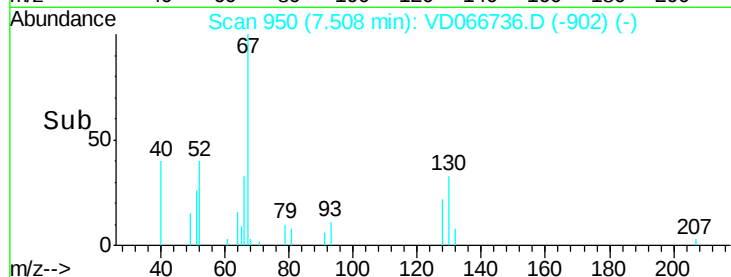
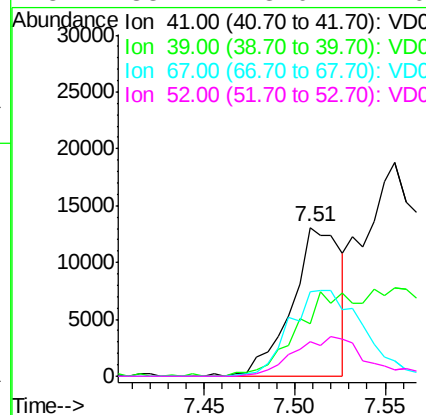
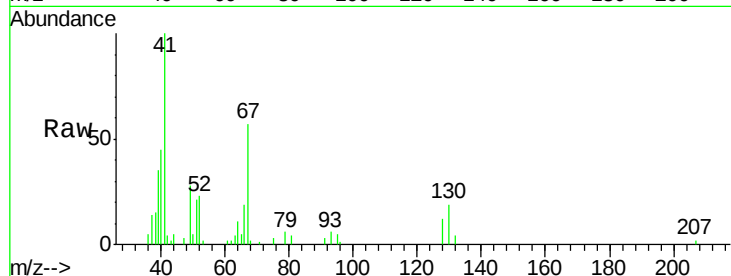
#41
Methacrylonitrile
Concen: 17.872 ug/l
RT: 7.51 min Scan# 950
Delta R.T. -0.02 min
Lab File: VD066736.D
Acq: 17 Sep 2020 11:25

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.0	59.3	88.9
67	86.7	62.3	93.5
52	38.7	28.0	42.0

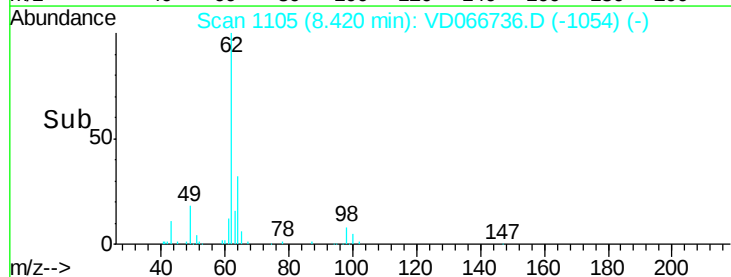
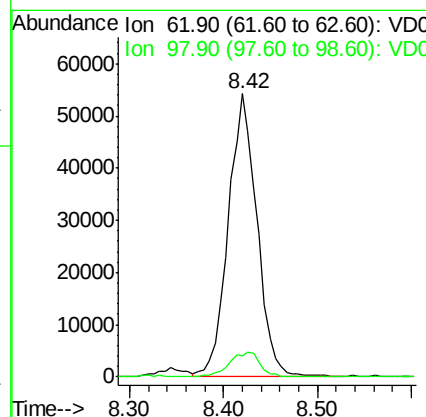
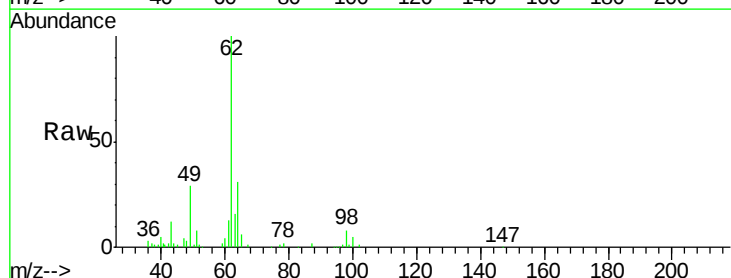
Manual Integrations
APPROVED

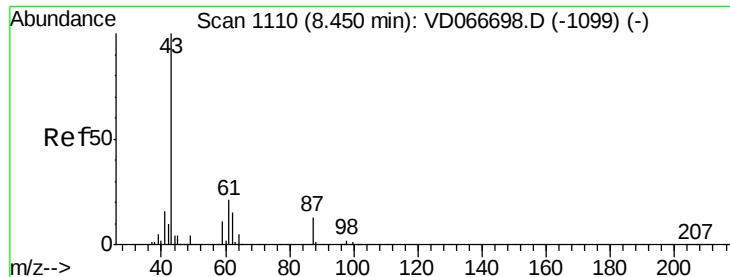
MMDadoda
9/18/2020 12:18:16 PM



#42
1,2-Dichloroethane
Concen: 19.844 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VD066736.D
Acq: 17 Sep 2020 11:25

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	17.6





#43

Isopropyl Acetate

Concen: 19.320 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD066736.D

Acq: 17 Sep 2020 11:25

Instrument :

MSVOA_D

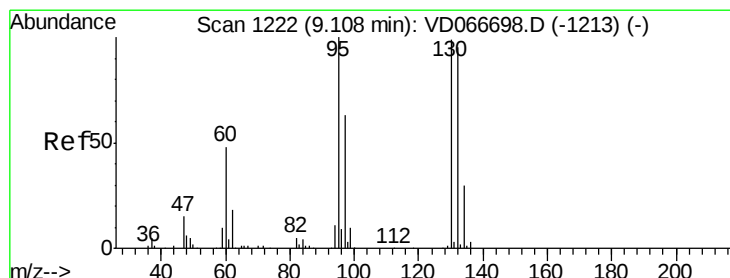
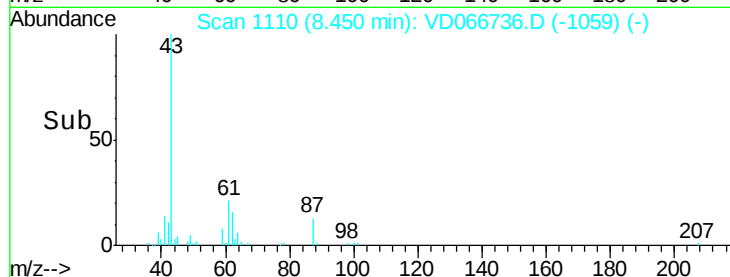
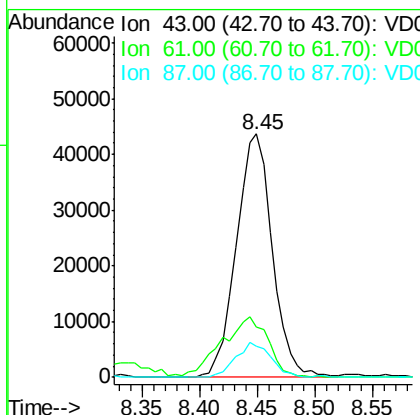
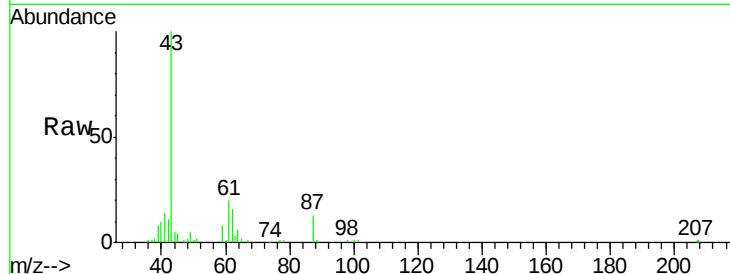
ClientSampleId :

VD0917SBS01

Tot Ion:	43	Resp:	94761
Ion	Ratio	Lower	Upper
43	100		
61	32.3	24.8	37.2
87	14.0	10.4	15.6

Manual Integrations
APPROVED

MMDadoda
9/18/2020 12:18:16 PM



#44

Trichloroethene

Concen: 19.735 ug/l

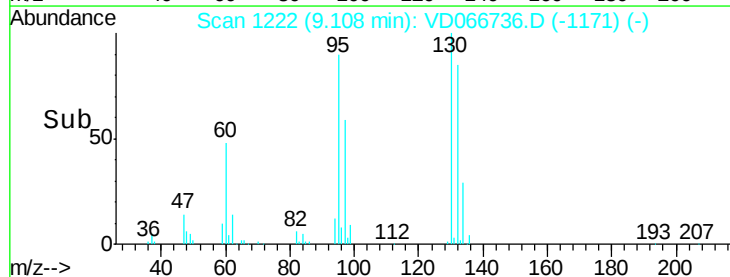
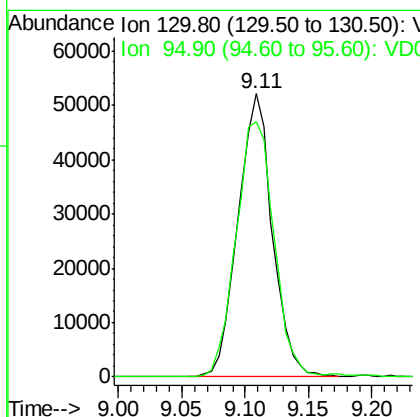
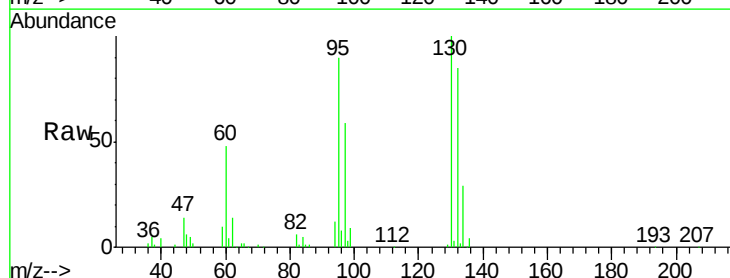
RT: 9.11 min Scan# 1222

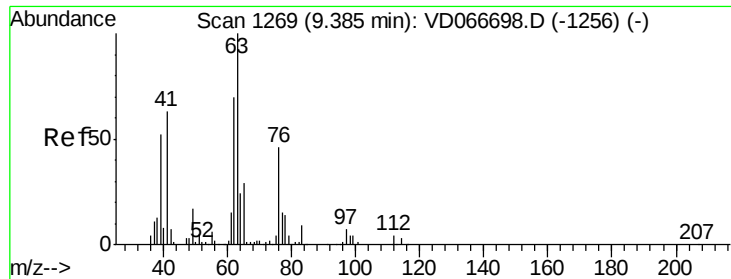
Delta R.T. -0.00 min

Lab File: VD066736.D

Acq: 17 Sep 2020 11:25

Tgt Ion:	130	Resp:	98260
Ion	Ratio	Lower	Upper
130	100		
95	90.3	0.0	201.4





#45

1,2-Dichloropropane

Concen: 19.643 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VD066736.D

Acq: 17 Sep 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion: 63 Resp: 90432

Ion Ratio Lower Upper

63 100

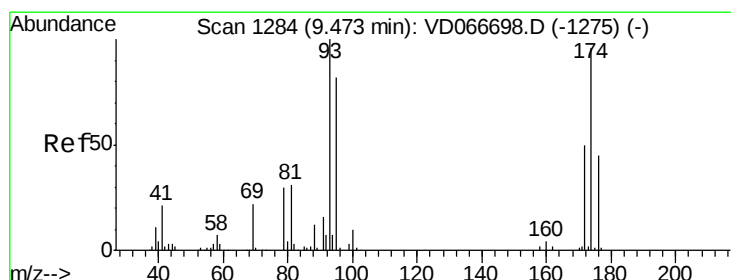
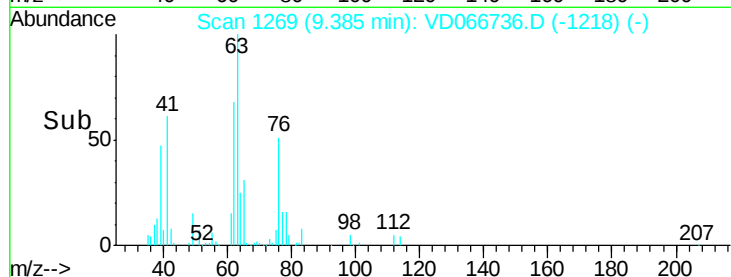
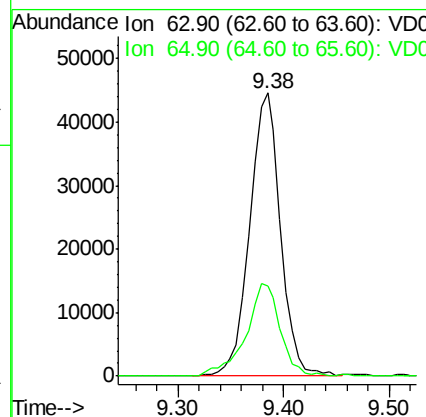
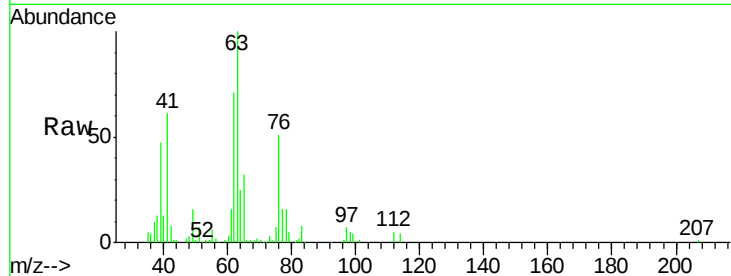
65 31.8 23.4 35.0

Manual Integrations

APPROVED

MMDadoda

9/18/2020 12:18:16 PM



#46

Dibromomethane

Concen: 19.550 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD066736.D

Acq: 17 Sep 2020 11:25

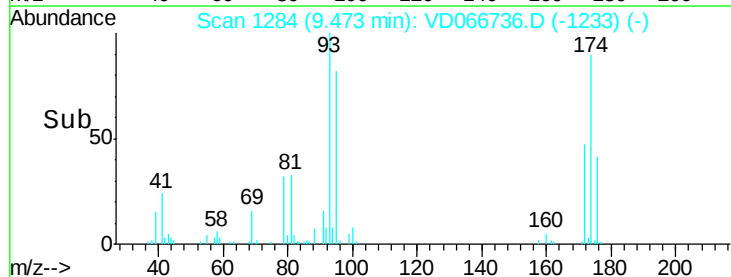
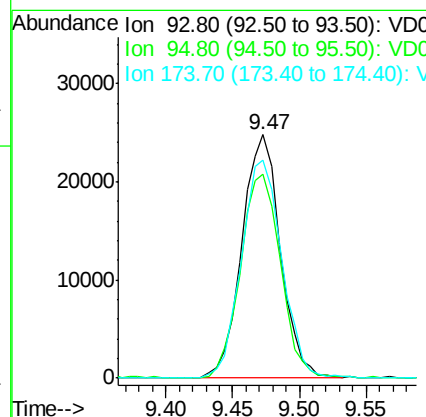
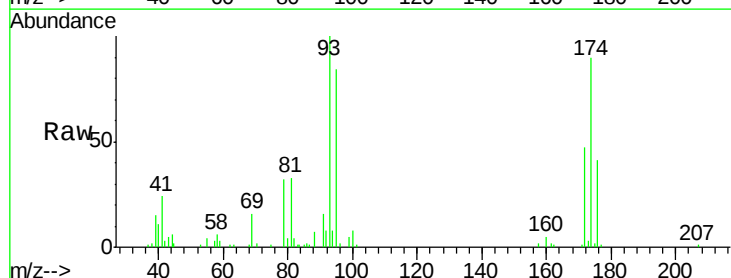
Tgt Ion: 93 Resp: 49457

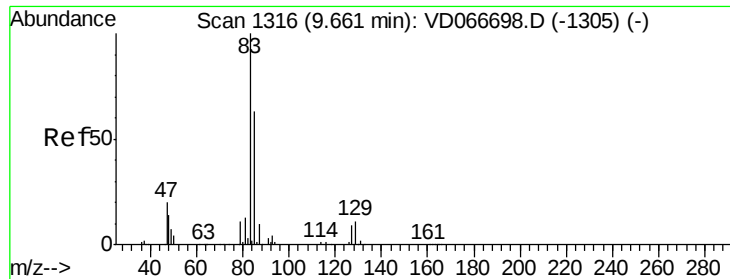
Ion Ratio Lower Upper

93 100

95 87.6 66.0 99.0

174 94.5 72.3 108.5





#47

Bromodichloromethane

Concen: 19.890 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD066736.D

Acq: 17 Sep 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion: 83 Resp: 137108

Ion Ratio Lower Upper

83 100

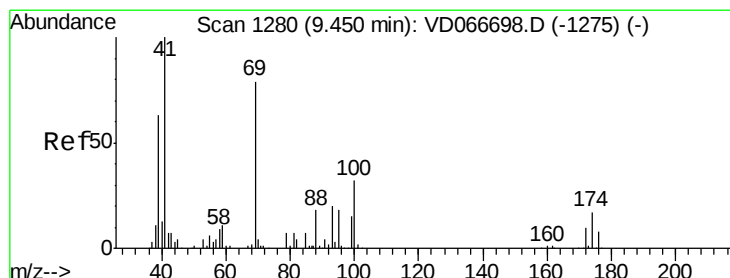
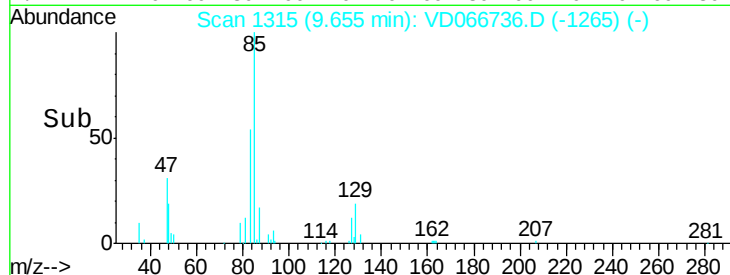
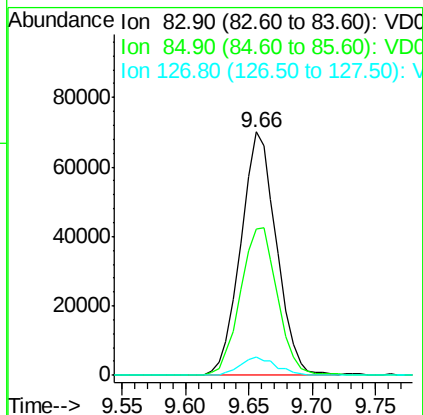
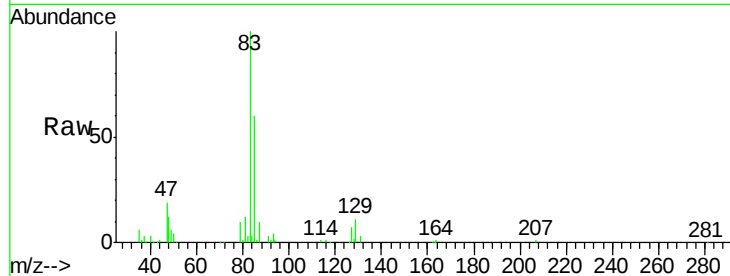
85 59.9 50.1 75.1

127 7.4 6.9 10.3

Manual Integrations
APPROVED

MMDadoda

9/18/2020 12:18:16 PM



#48

Methyl methacrylate

Concen: 17.888 ug/l

RT: 9.45 min Scan# 1280

Delta R.T. -0.00 min

Lab File: VD066736.D

Acq: 17 Sep 2020 11:25

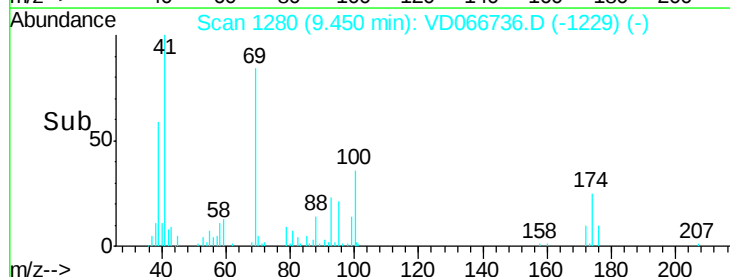
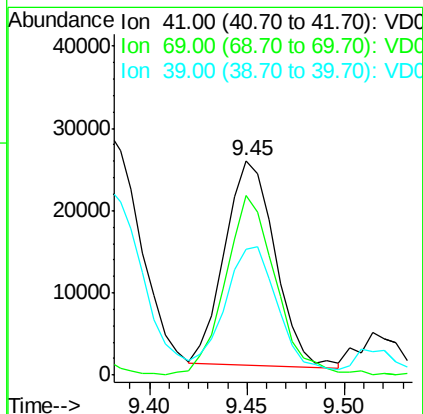
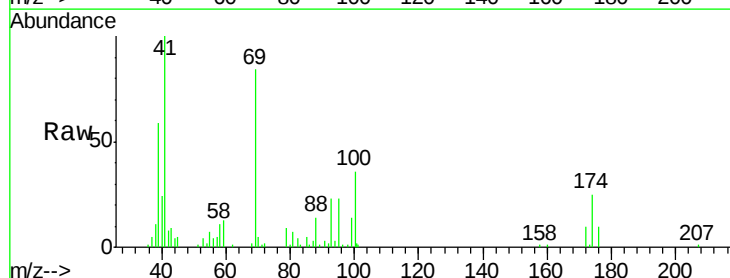
Tgt Ion: 41 Resp: 44627

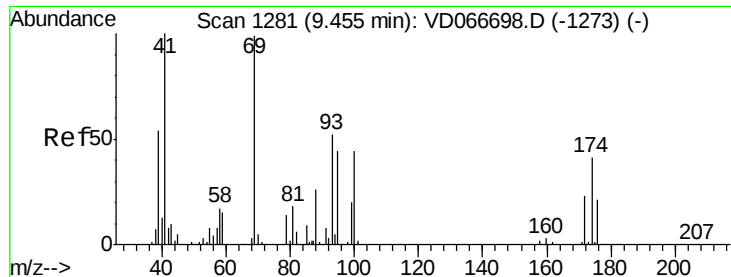
Ion Ratio Lower Upper

41 100

69 87.9 62.4 93.6

39 60.7 44.8 67.2





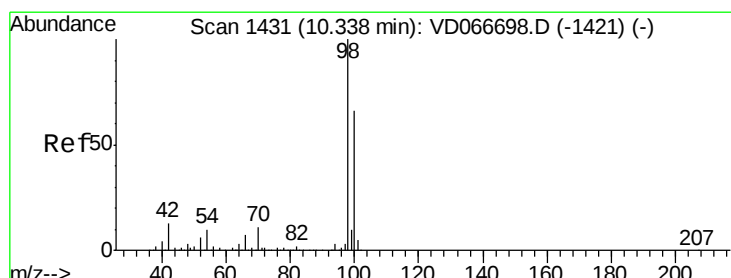
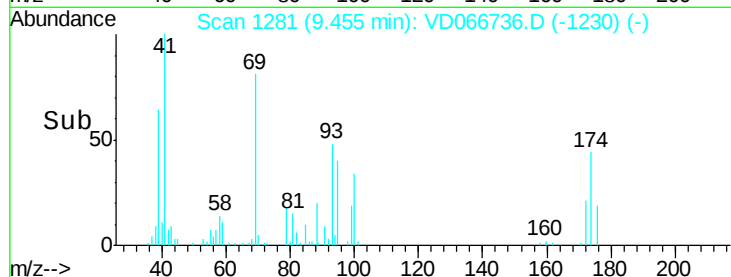
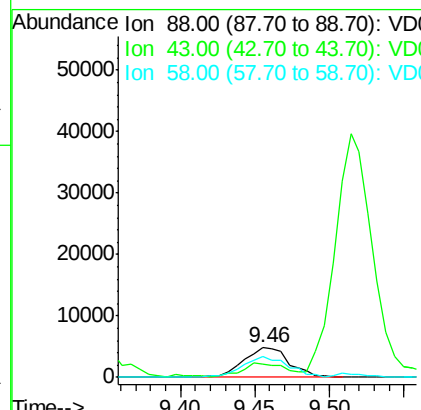
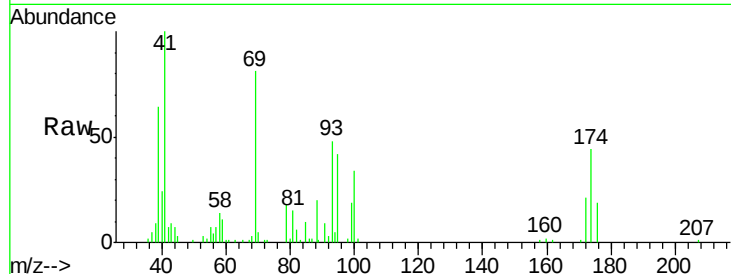
#49
1,4-Dioxane
Concen: 373.892 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VD066736.D
Acq: 17 Sep 2020 11:25

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

Tot Ion	88	Resp	10132
Ion	Ratio	Lower	Upper
88	100		
43	48.1	29.3	43.9#
58	71.0	51.4	77.2

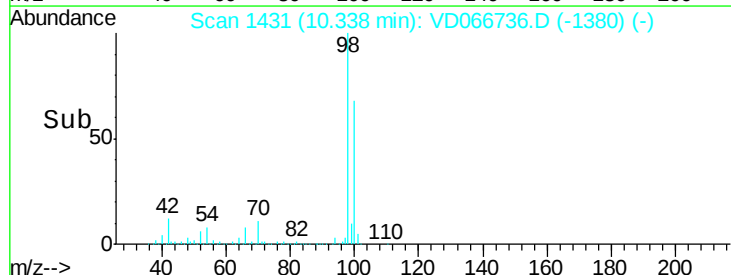
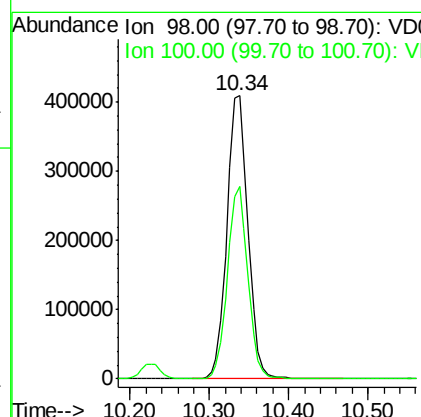
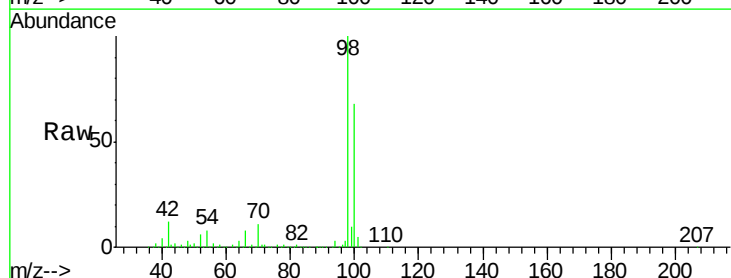
Manual Integrations
APPROVED

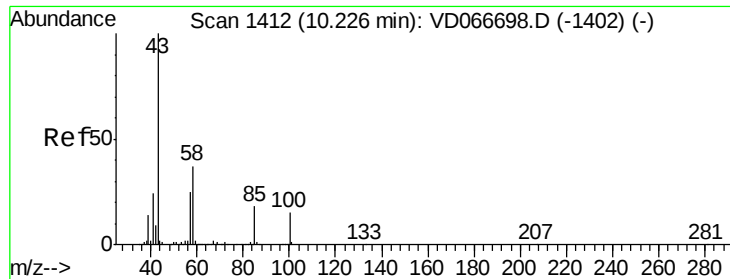
MMDadoda
9/18/2020 12:18:16 PM



#50
Toluene-d8
Concen: 51.354 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066736.D
Acq: 17 Sep 2020 11:25

Tgt Ion	98	Resp	750988
Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.7	79.1





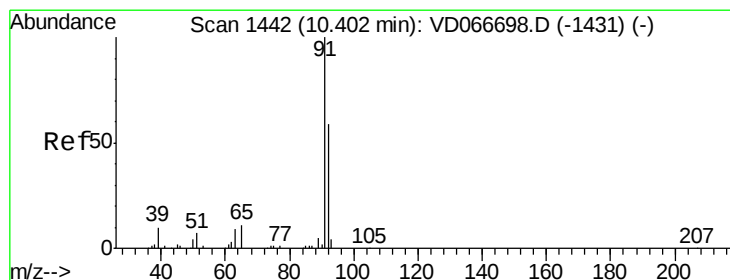
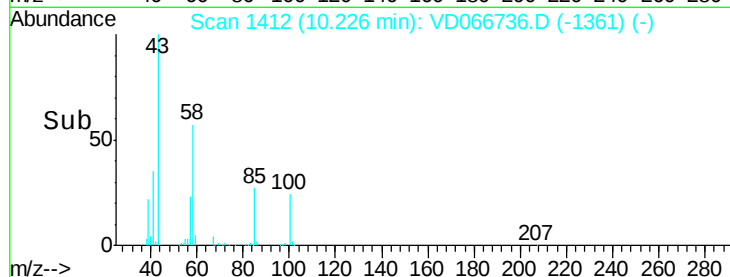
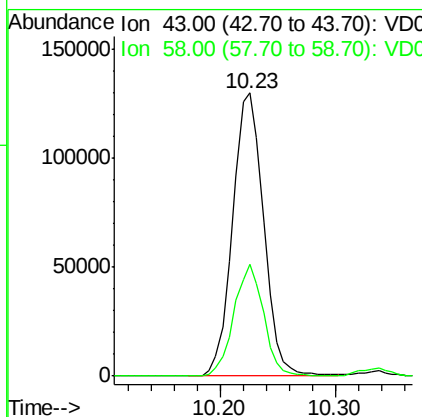
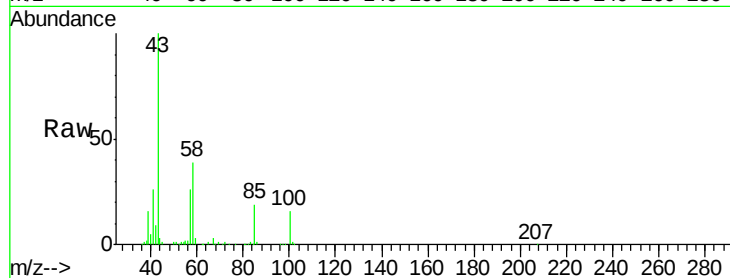
#51
4-Methyl-2-Pentanone
Concen: 95.750 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. -0.00 min
Lab File: VD066736.D
Acq: 17 Sep 2020 11:25

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

Tot Ion: 43 Resp: 241783
Ion Ratio Lower Upper
43 100
58 37.8 30.4 45.6

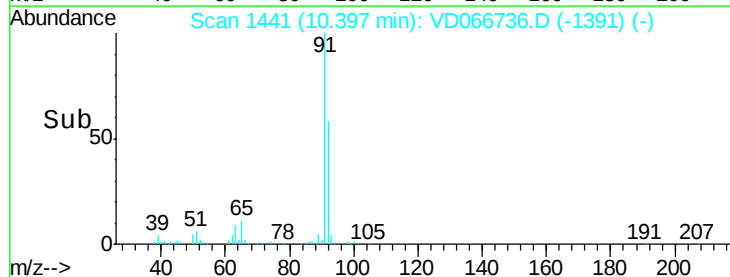
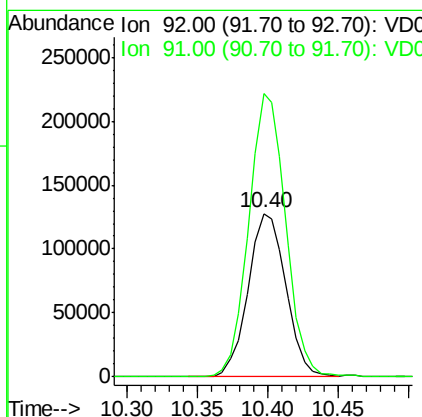
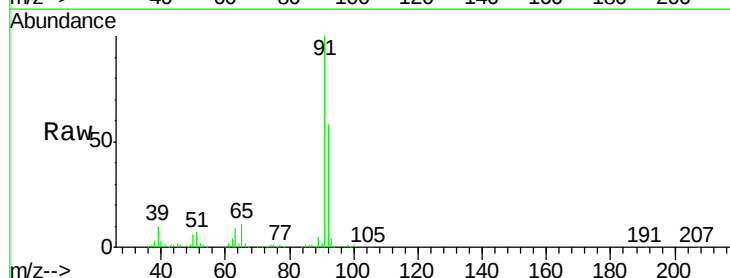
Manual Integrations
APPROVED

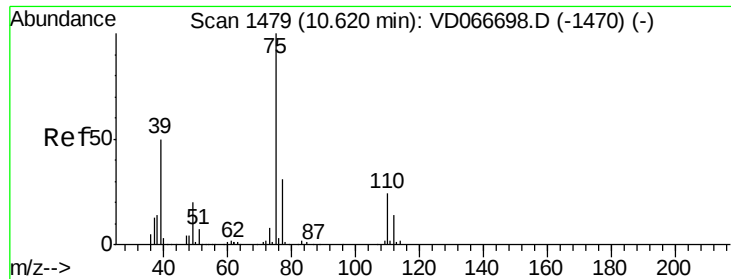
MMDadoda
9/18/2020 12:18:16 PM



#52
Toluene
Concen: 20.116 ug/l
RT: 10.40 min Scan# 1441
Delta R.T. -0.01 min
Lab File: VD066736.D
Acq: 17 Sep 2020 11:25

Tgt Ion: 92 Resp: 239981
Ion Ratio Lower Upper
92 100
91 169.8 135.8 203.8





#53

t-1,3-Dichloropropene

Concen: 19.666 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.00 min

Lab File: VD066736.D

Acq: 17 Sep 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion: 75 Resp: 121103

Ion Ratio Lower Upper

75 100

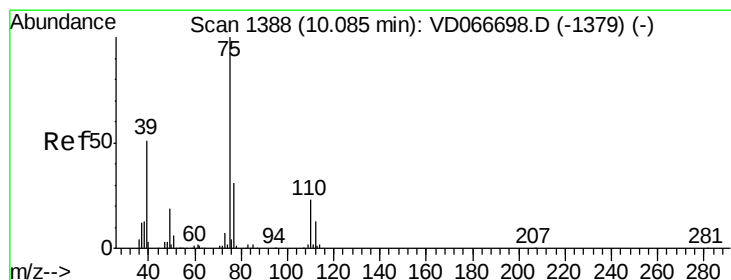
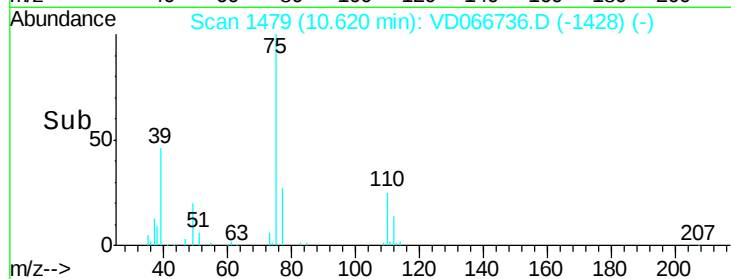
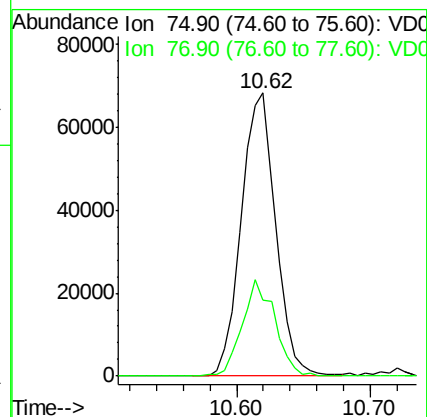
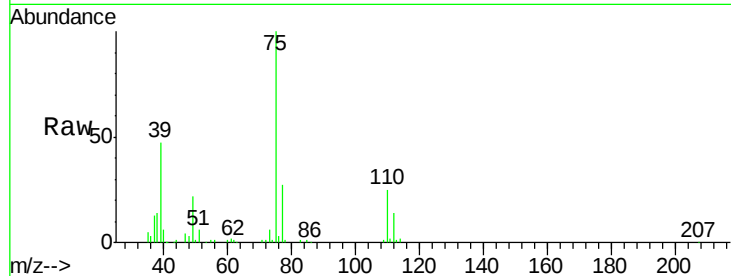
77 26.8 24.6 36.8

Manual Integrations

APPROVED

MMDadoda

9/18/2020 12:18:16 PM



#54

cis-1,3-Dichloropropene

Concen: 19.891 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VD066736.D

Acq: 17 Sep 2020 11:25

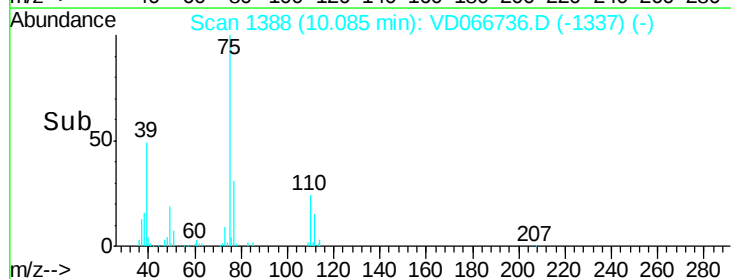
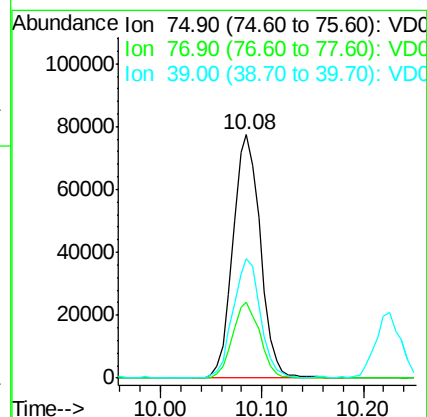
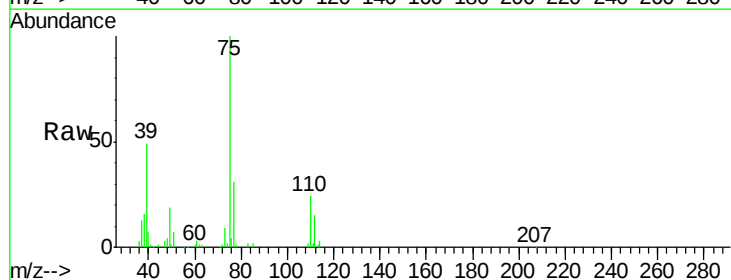
Tgt Ion: 75 Resp: 145488

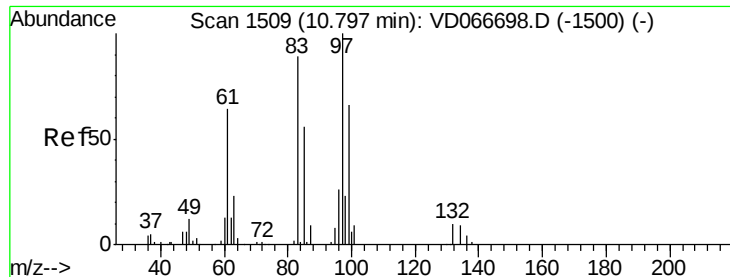
Ion Ratio Lower Upper

75 100

77 31.2 25.0 37.6

39 49.3 40.6 61.0





#55

1,1,2-Trichloroethane

Concen: 19.088 ug/l

RT: 10.80 min Scan# 1509

Delta R.T. -0.00 min

Lab File: VD066736.D

Acq: 17 Sep 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion: 97 Resp: 63665

Ion Ratio Lower Upper

97 100

83 87.0 71.4 107.2

85 54.7 44.7 67.1

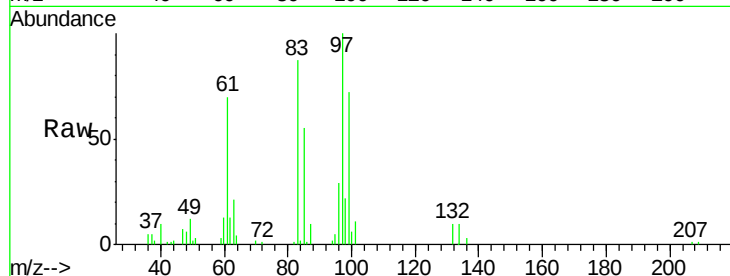
99 71.8 52.4 78.6

Manual Integrations

APPROVED

MMDadoda

9/18/2020 12:18:16 PM

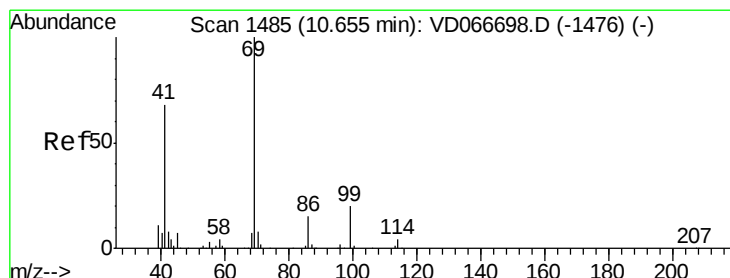
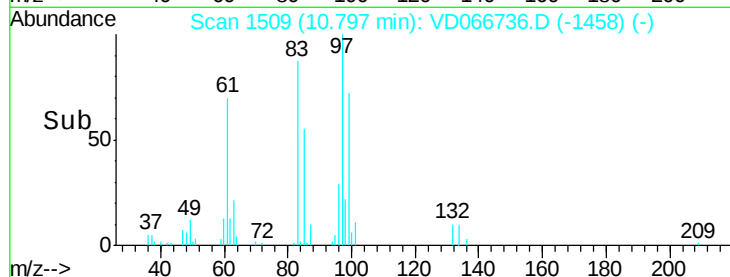
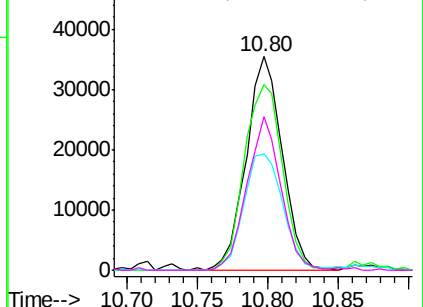


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 19.417 ug/l

RT: 10.66 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VD066736.D

Acq: 17 Sep 2020 11:25

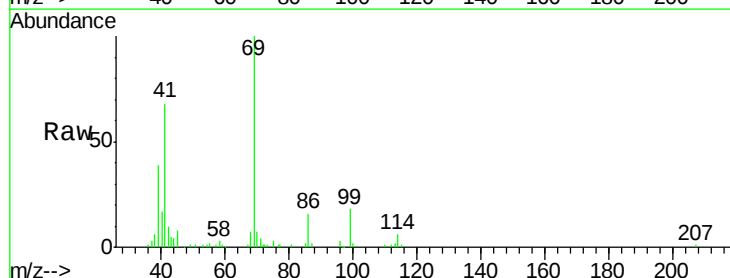
Tgt Ion: 69 Resp: 73493

Ion Ratio Lower Upper

69 100

41 70.3 55.5 83.3

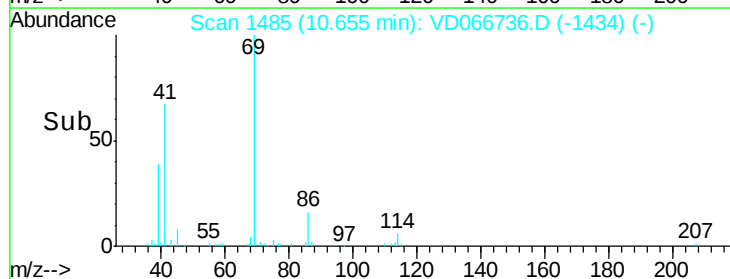
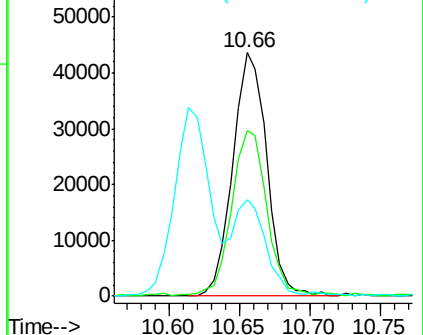
39 37.1 29.7 44.5

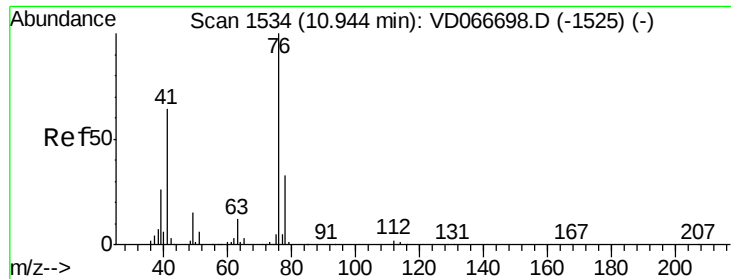


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 19.867 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VD066736.D

Acq: 17 Sep 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion: 76 Resp: 116292

Ion Ratio Lower Upper

76 100

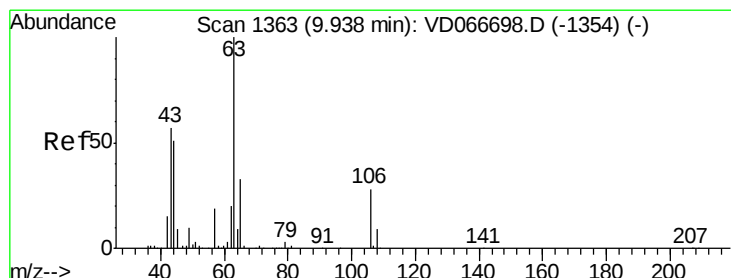
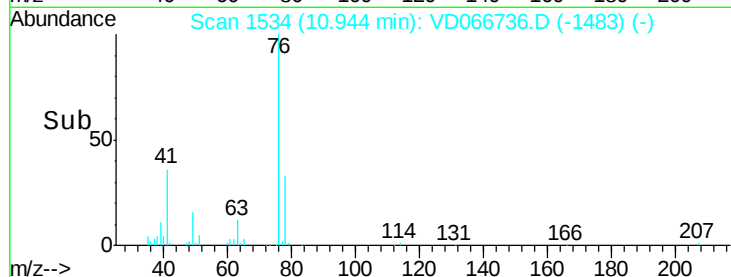
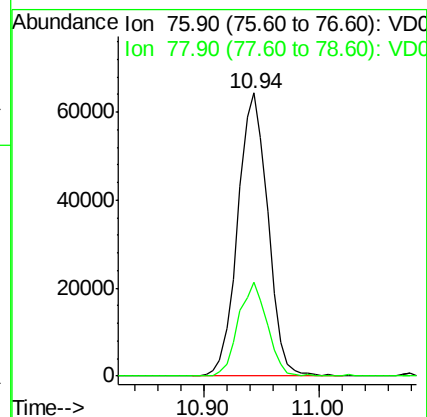
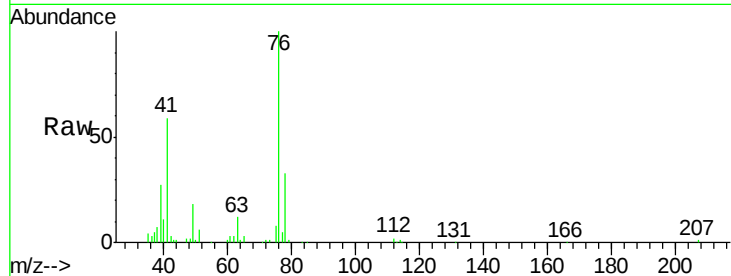
78 32.0 26.2 39.2

Manual Integrations

APPROVED

MMDadoda

9/18/2020 12:18:16 PM



#58

2-Chloroethyl Vinyl ether

Concen: 113.979 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VD066736.D

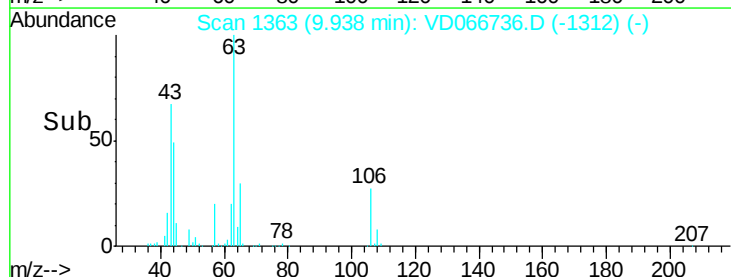
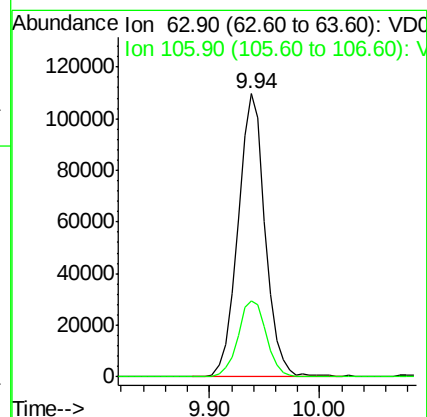
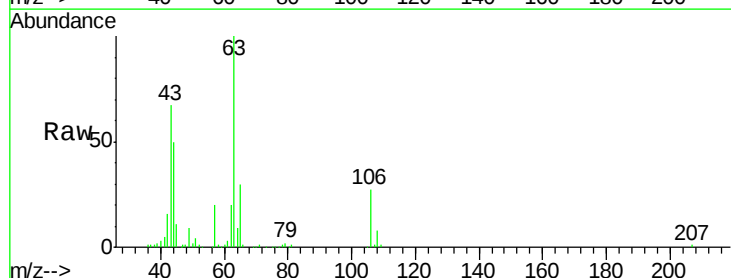
Acq: 17 Sep 2020 11:25

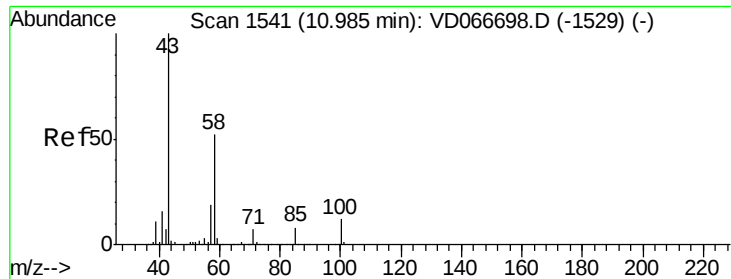
Tgt Ion: 63 Resp: 189474

Ion Ratio Lower Upper

63 100

106 28.0 22.2 33.4





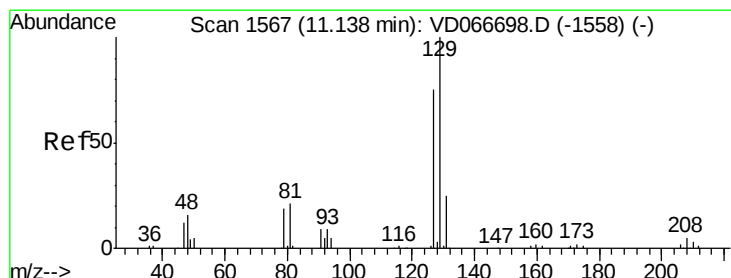
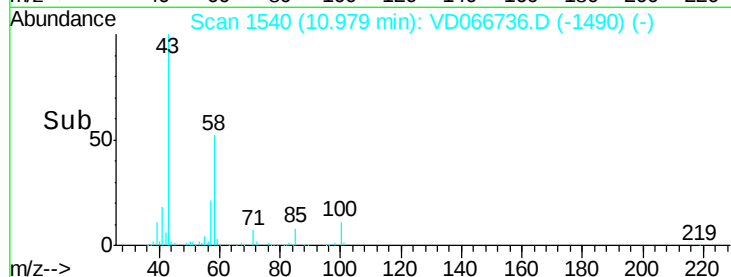
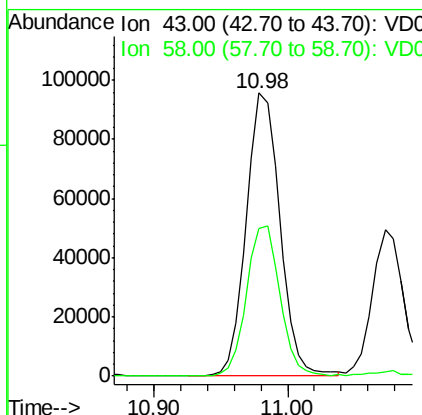
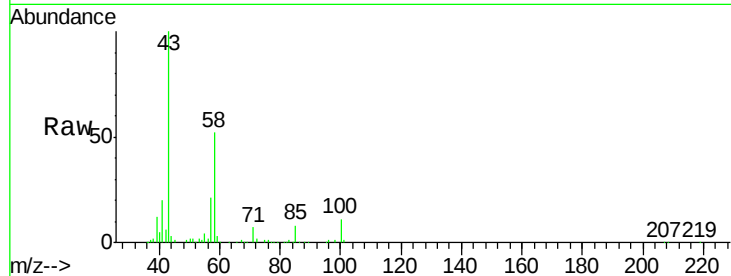
#59
2-Hexanone
Concen: 98.743 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066736.D
Acq: 17 Sep 2020 11:25

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

Tot Ion: 43 Resp: 167536
Ion Ratio Lower Upper
43 100
58 52.4 26.2 78.5

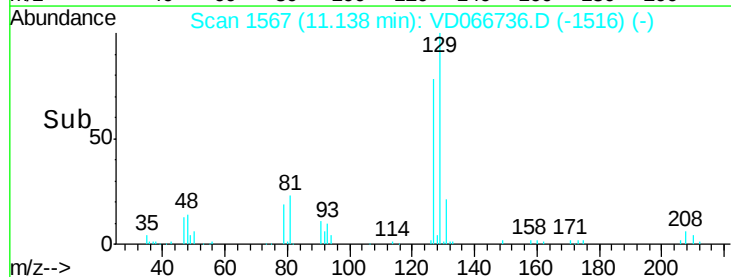
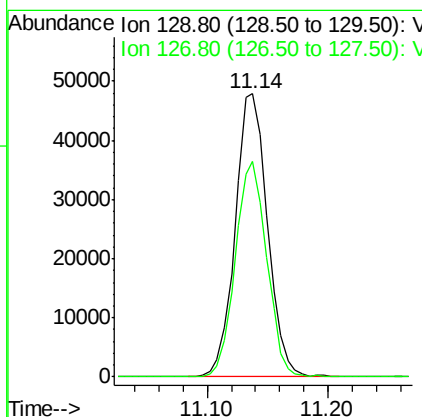
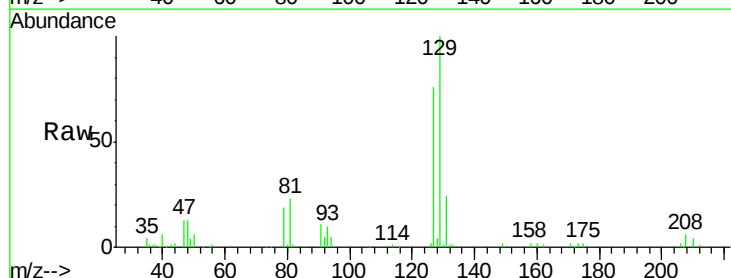
Manual Integrations
APPROVED

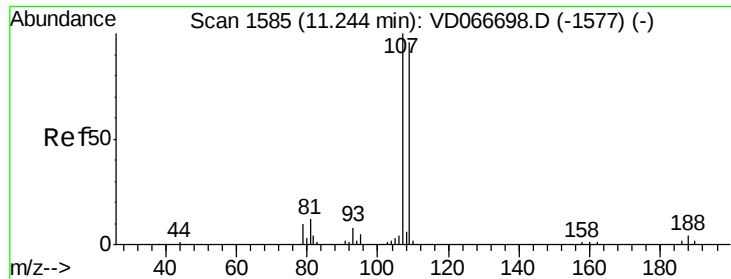
MMDadoda
9/18/2020 12:18:16 PM



#60
Dibromochloromethane
Concen: 20.560 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066736.D
Acq: 17 Sep 2020 11:25

Tgt Ion: 129 Resp: 89356
Ion Ratio Lower Upper
129 100
127 73.9 38.1 114.3





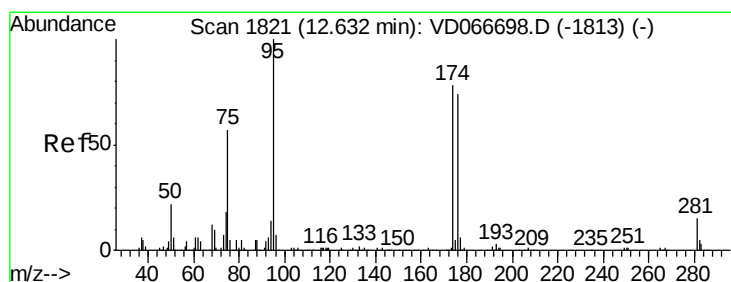
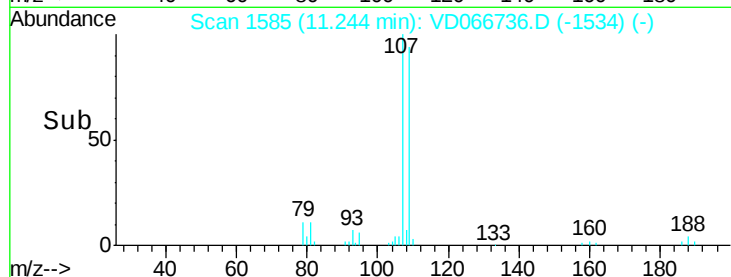
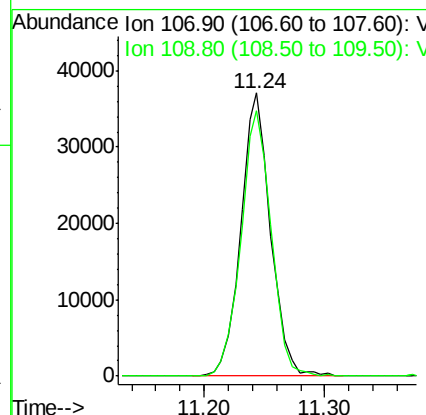
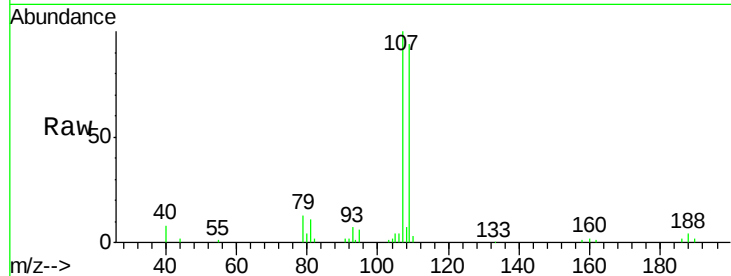
#61
 1,2-Dibromoethane
 Concen: 19.794 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066736.D
 Acq: 17 Sep 2020 11:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0917SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	75.6	113.4

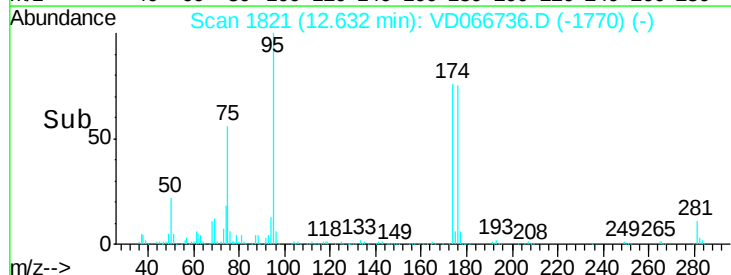
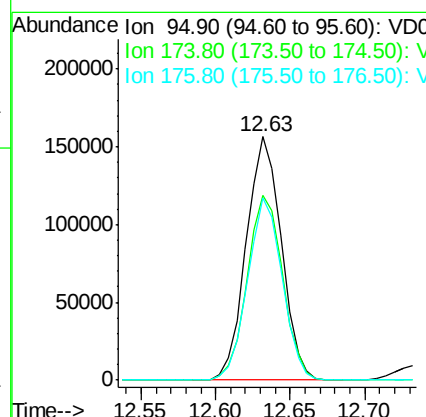
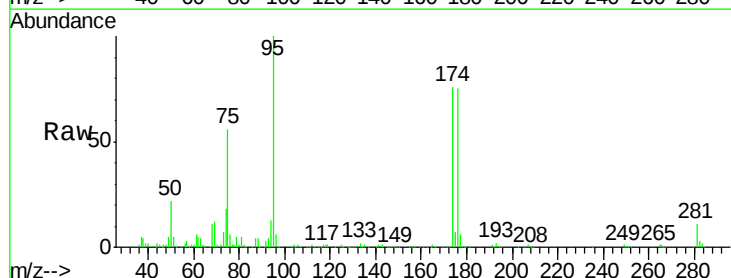
Manual Integrations
 APPROVED

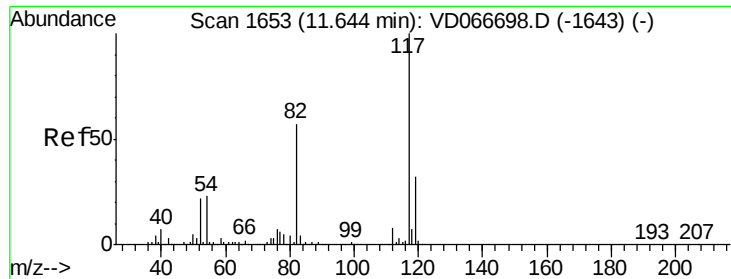
MMDadoda
 9/18/2020 12:18:16 PM



#62
 4-Bromofluorobenzene
 Concen: 50.350 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066736.D
 Acq: 17 Sep 2020 11:25

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.9	0.0	156.6
176	73.7	0.0	150.2





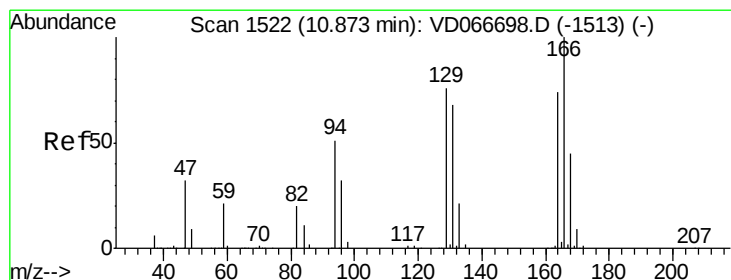
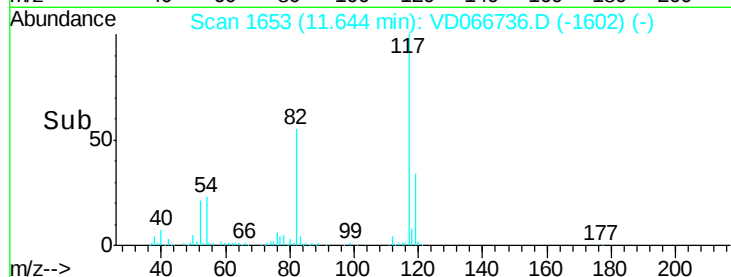
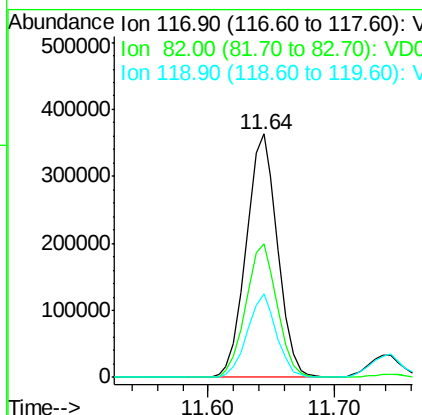
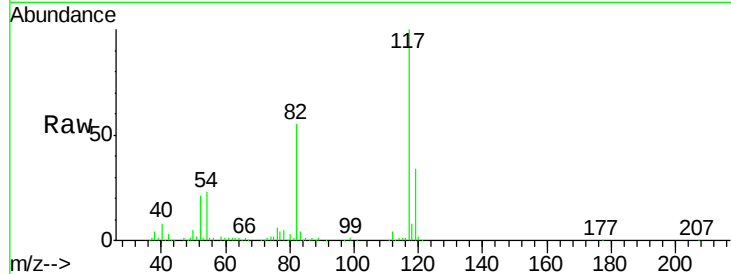
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066736.D
Acq: 17 Sep 2020 11:25

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

Tot Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	55.0	45.4	68.0
119	34.2	25.8	38.6

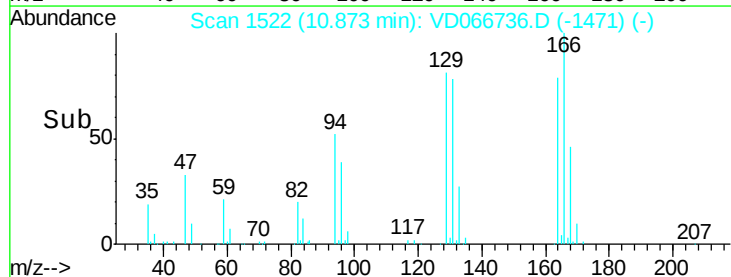
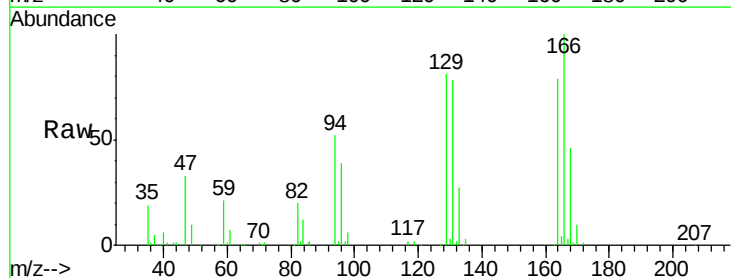
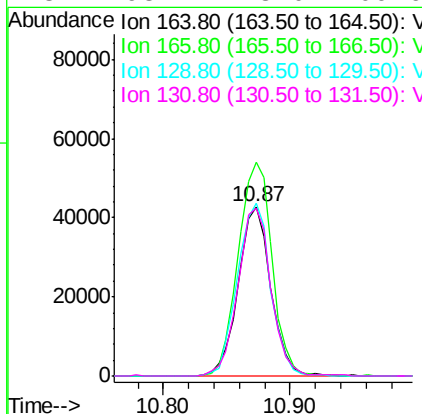
Manual Integrations
APPROVED

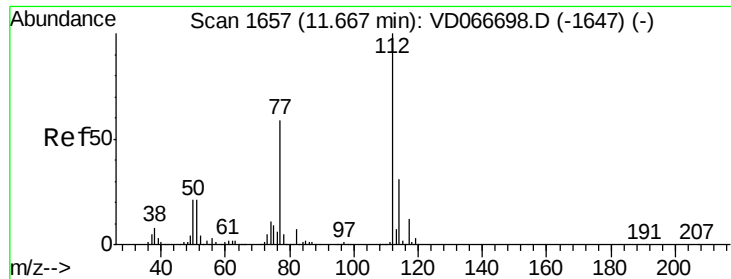
MMDadoda
9/18/2020 12:18:16 PM



#64
Tetrachloroethene
Concen: 17.967 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066736.D
Acq: 17 Sep 2020 11:25

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	126.0	107.5	161.3
129	102.1	81.4	122.0
131	98.7	73.0	109.6





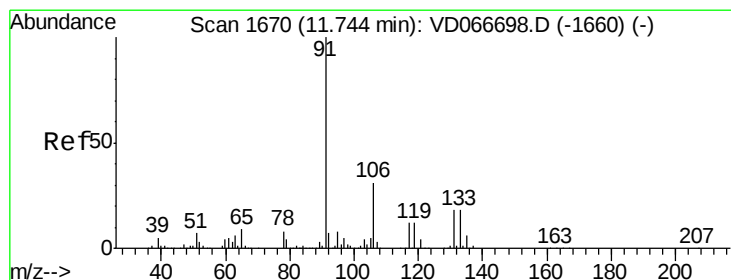
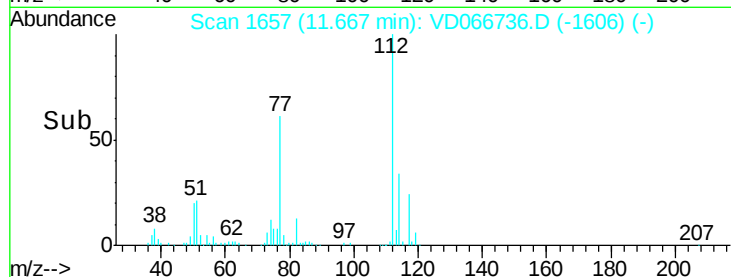
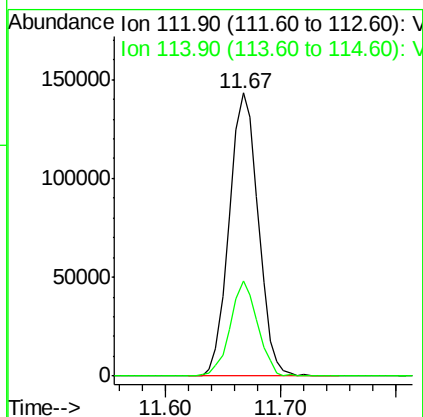
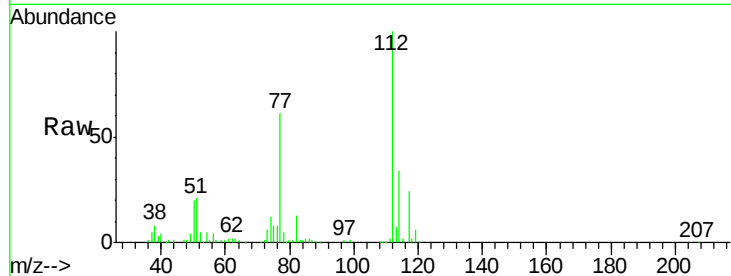
#65
Chlorobenzene
Concen: 19.354 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VD066736.D
Acq: 17 Sep 2020 11:25

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

Tot Ion:112 Resp: 249487
Ion Ratio Lower Upper
112 100
114 33.5 25.0 37.6

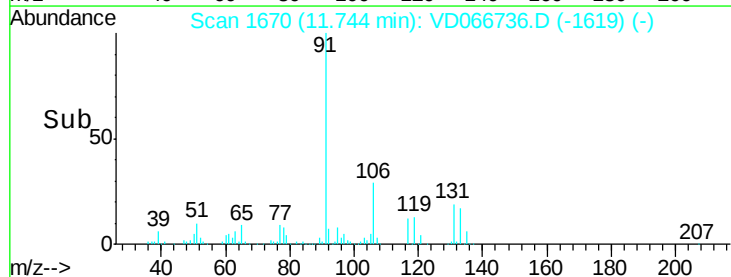
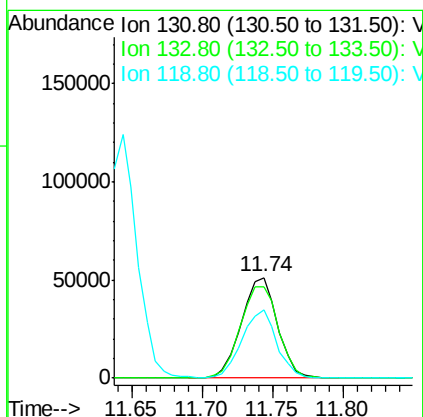
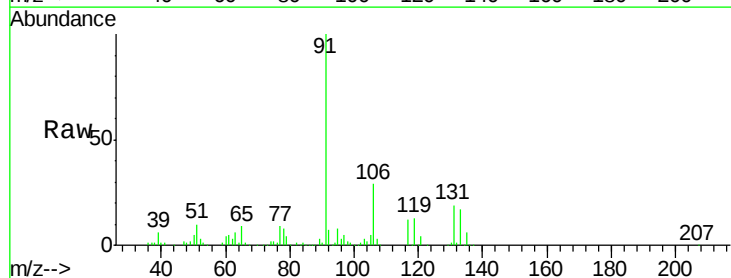
Manual Integrations
APPROVED

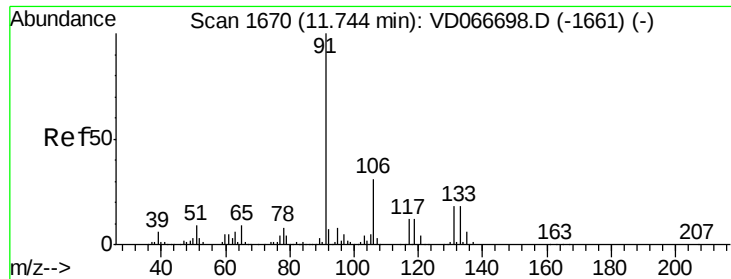
MMDadoda
9/18/2020 12:18:16 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.221 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066736.D
Acq: 17 Sep 2020 11:25

Tgt Ion:131 Resp: 91418
Ion Ratio Lower Upper
131 100
133 96.5 47.8 143.3
119 66.1 33.6 100.8





#67

Ethyl Benzene

Concen: 19.133 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066736.D

Acq: 17 Sep 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion: 91 Resp: 446753

Ion Ratio Lower Upper

91 100

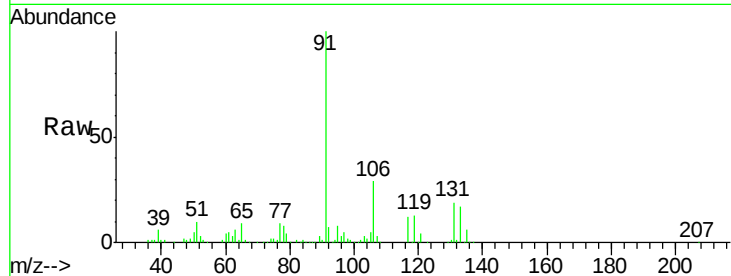
106 28.9 25.1 37.7

Manual Integrations

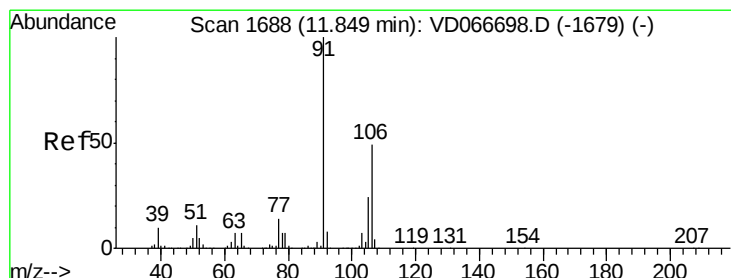
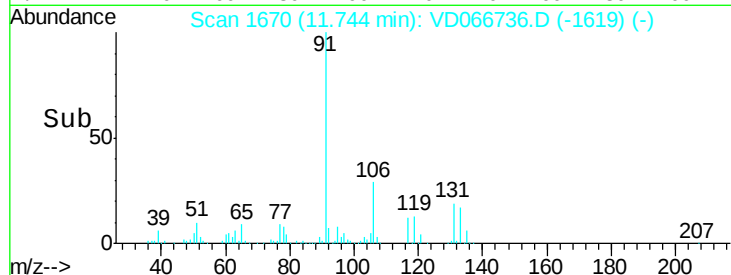
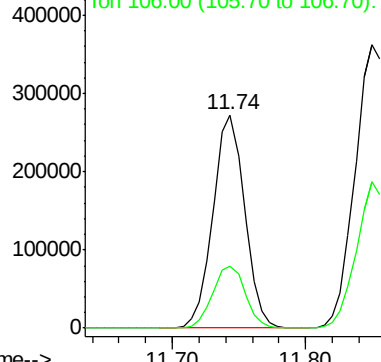
APPROVED

MMDadoda

9/18/2020 12:18:16 PM



Abundance Ion 91.00 (90.70 to 91.70): VD066736.D (-1619) (-)



#68

m/p-Xylenes

Concen: 38.731 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VD066736.D

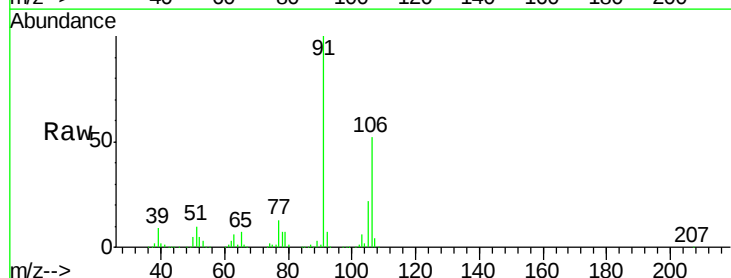
Acq: 17 Sep 2020 11:25

Tgt Ion: 106 Resp: 341794

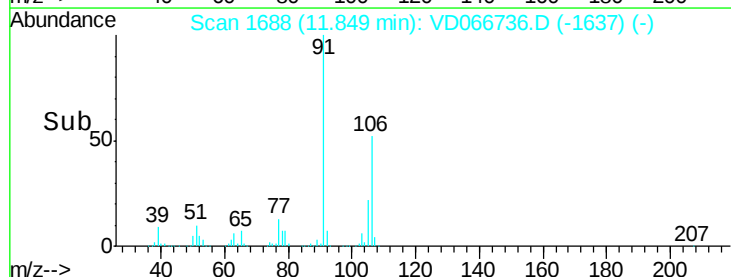
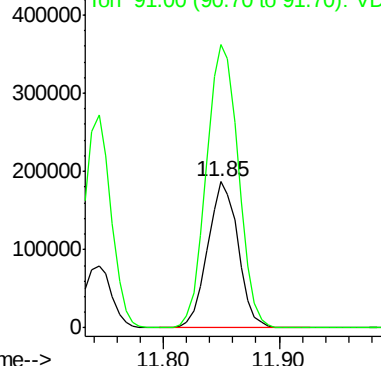
Ion Ratio Lower Upper

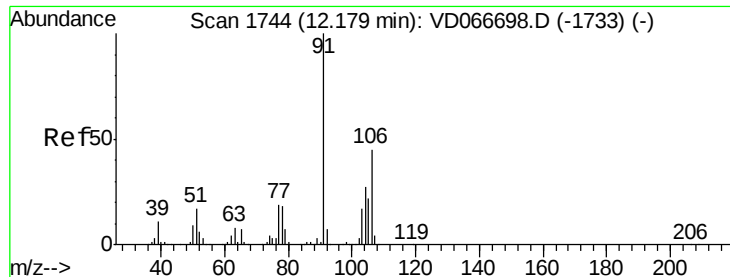
106 100

91 203.9 164.8 247.2



Abundance Ion 106.00 (105.70 to 106.70): VD066736.D (-1637) (-)





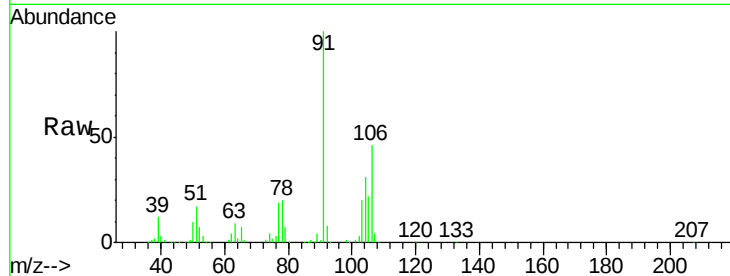
#69
o-Xylene
Concen: 19.175 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066736.D
Acq: 17 Sep 2020 11:25

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

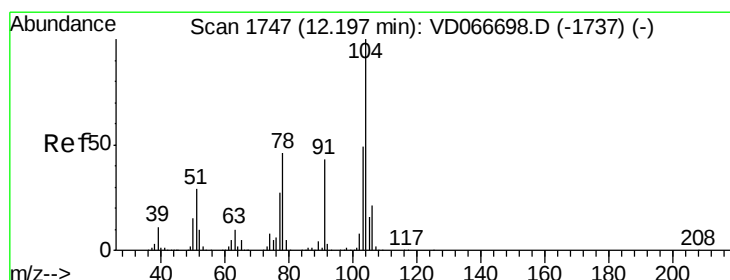
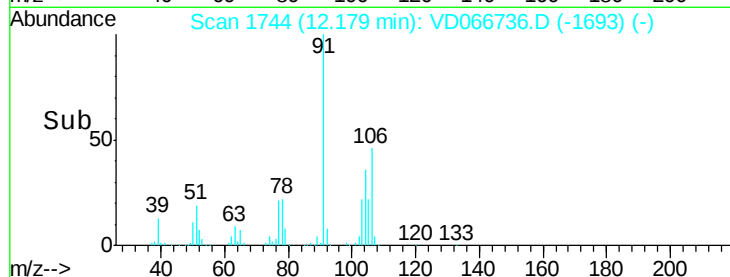
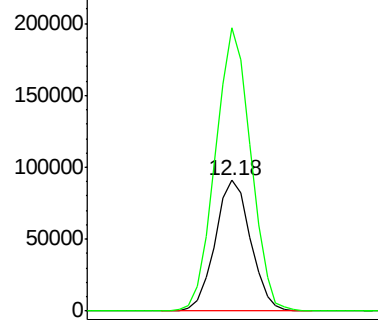
Tot Ion:106 Resp: 149539
Ion Ratio Lower Upper
106 100
91 215.9 109.4 328.2

Manual Integrations
APPROVED

MMDadoda
9/18/2020 12:18:16 PM

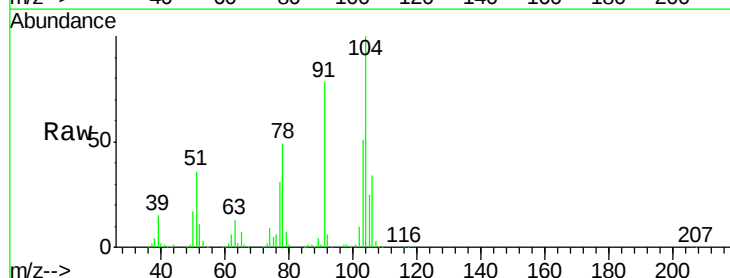


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

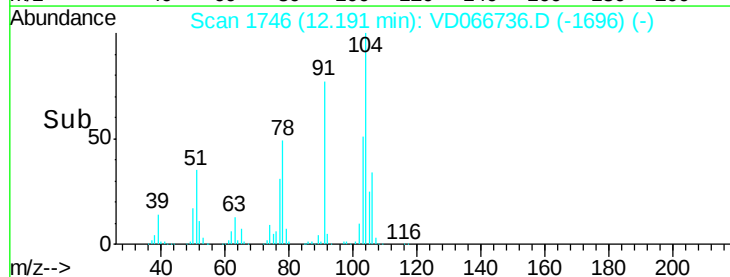
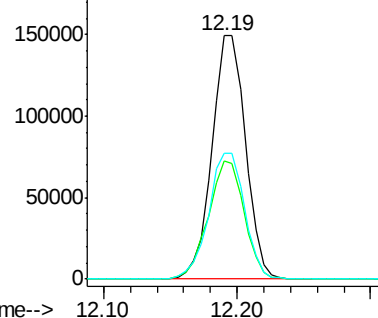


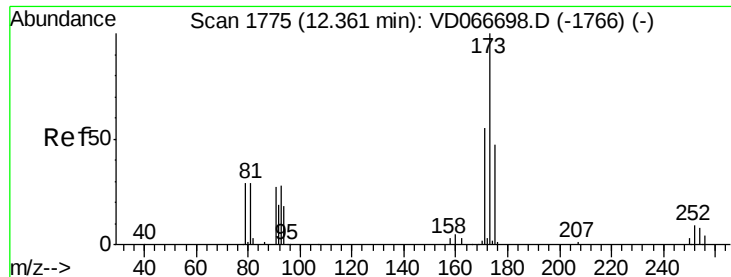
#70
Styrene
Concen: 18.887 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066736.D
Acq: 17 Sep 2020 11:25

Tgt Ion:104 Resp: 259233
Ion Ratio Lower Upper
104 100
78 52.3 40.2 60.4
103 55.7 42.5 63.7



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





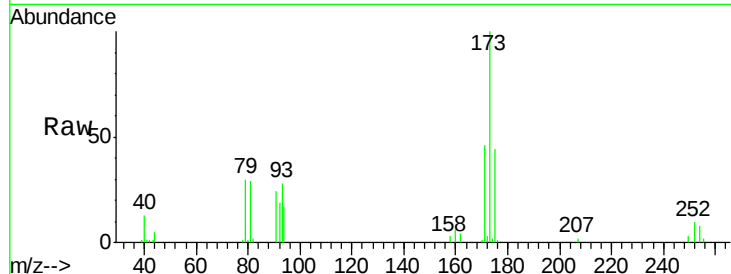
#71
Bromoform
Concen: 19.546 ug/l
RT: 12.36 min Scan# 1774
Delta R.T. -0.01 min
Lab File: VD066736.D
Acq: 17 Sep 2020 11:25

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

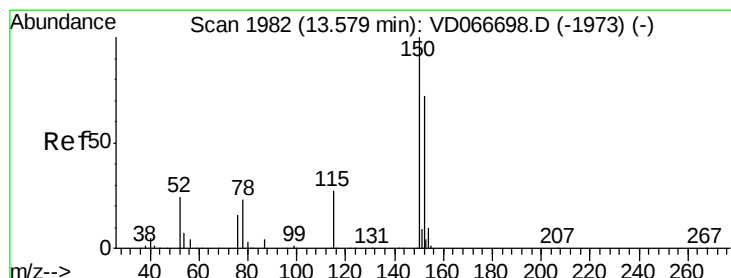
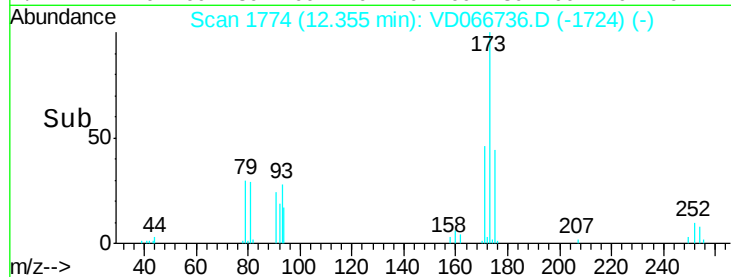
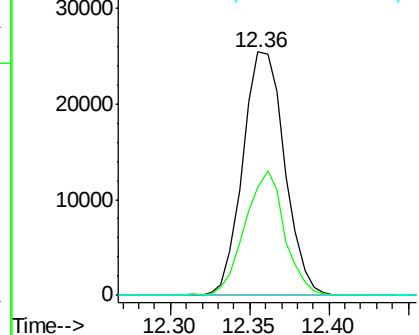
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.3	72.8
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
9/18/2020 12:18:16 PM

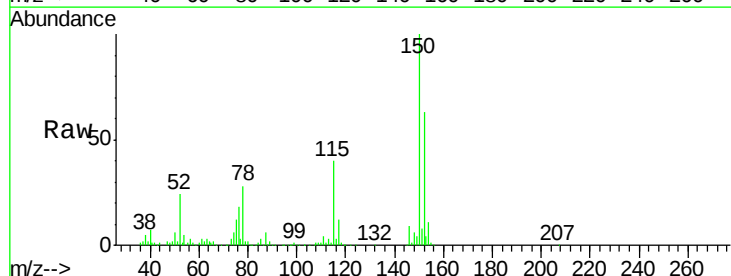


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

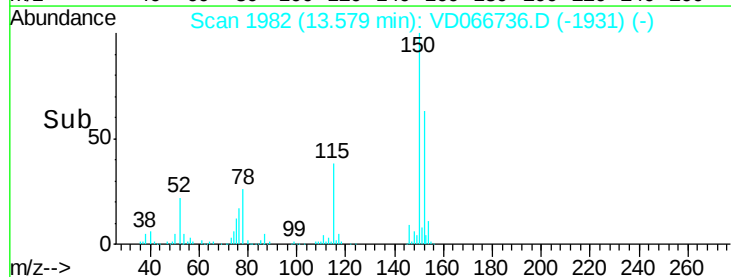
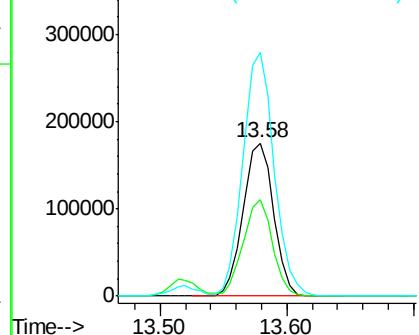


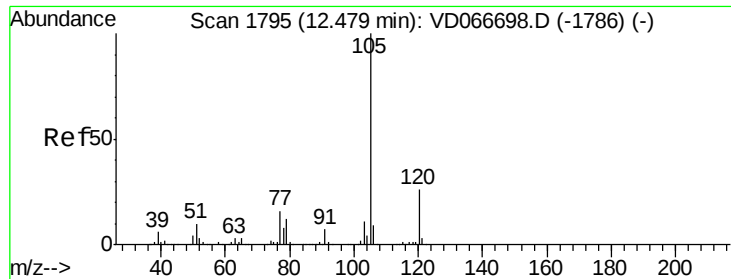
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066736.D
Acq: 17 Sep 2020 11:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.0	30.5	91.5
150	163.8	0.0	344.6



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: 18.492 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066736.D

Acq: 17 Sep 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion:105 Resp: 404039

Ion Ratio Lower Upper

105 100

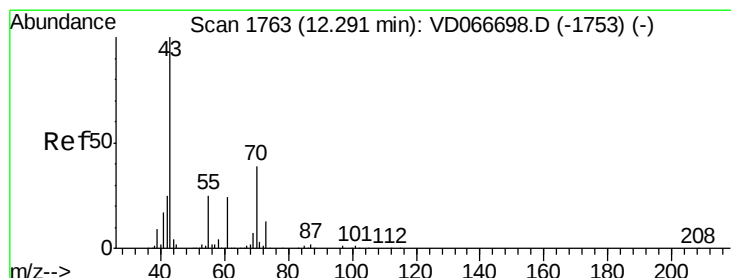
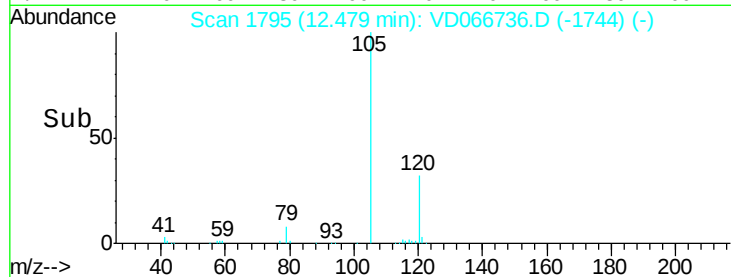
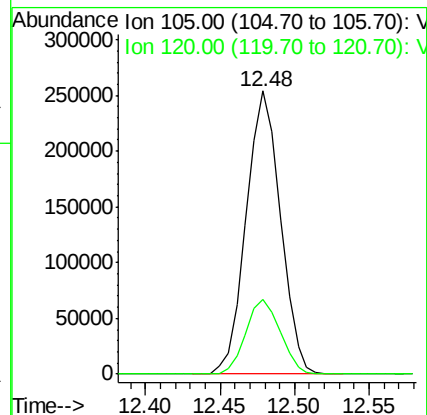
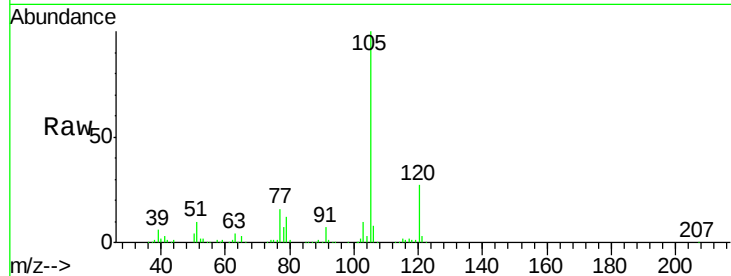
120 26.8 13.1 39.1

Manual Integrations

APPROVED

MMDadoda

9/18/2020 12:18:16 PM



#74

N-ethyl acetate

Concen: 18.180 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066736.D

Acq: 17 Sep 2020 11:25

Tgt Ion: 43 Resp: 83788

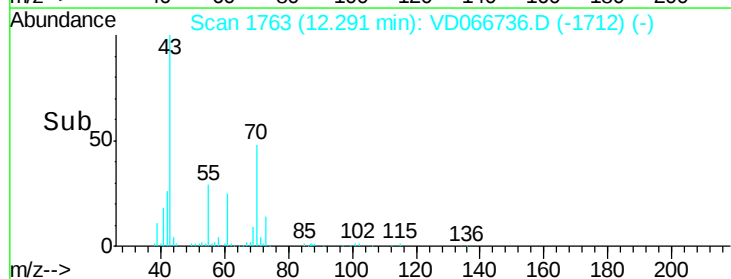
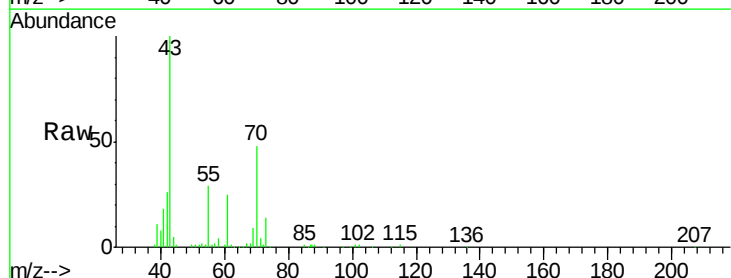
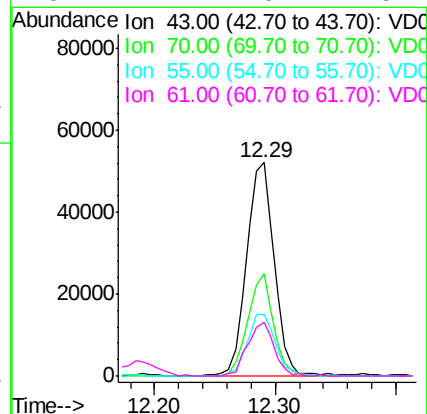
Ion Ratio Lower Upper

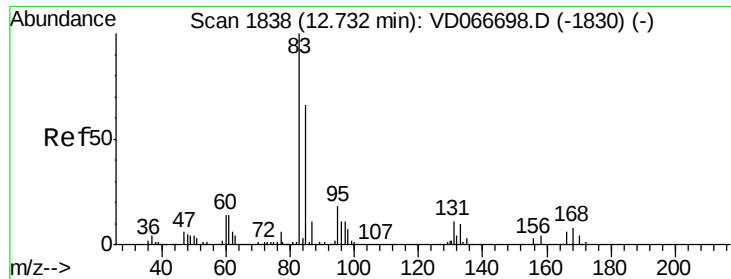
43 100

70 43.9 33.0 49.4

55 29.5 20.6 30.8

61 24.2 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.951 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066736.D

Acq: 17 Sep 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion: 83 Resp: 74072

Ion Ratio Lower Upper

83 100

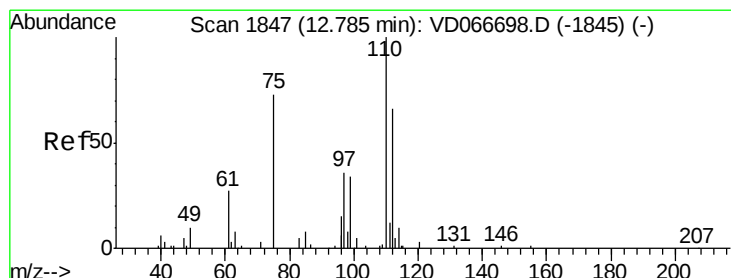
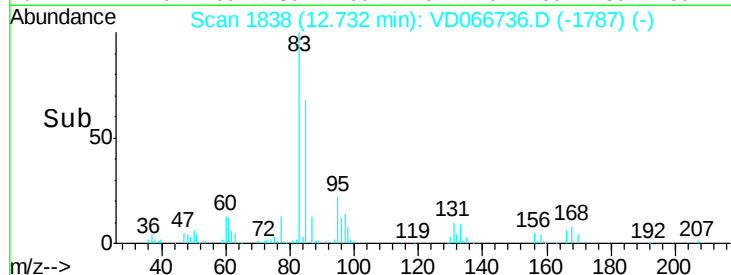
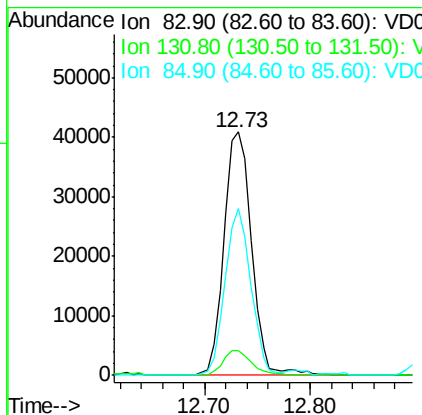
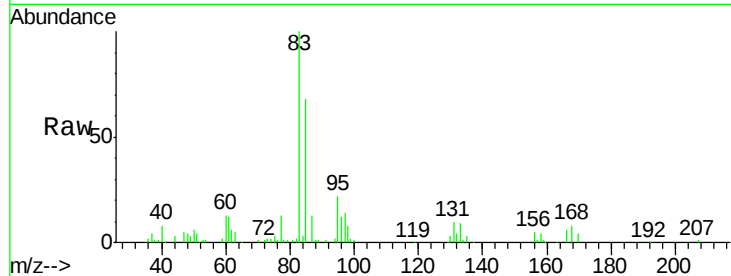
131 10.5 5.8 17.3

85 63.6 33.3 99.8

Manual Integrations
APPROVED

MMDadoda

9/18/2020 12:18:16 PM



#76

1,2,3-Trichloropropane

Concen: 17.795 ug/l m

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD066736.D

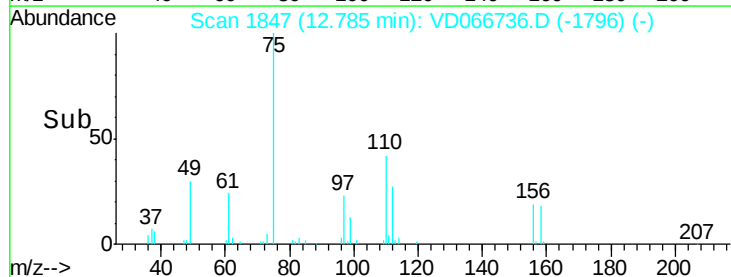
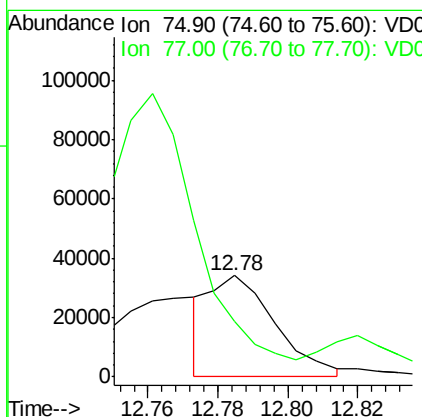
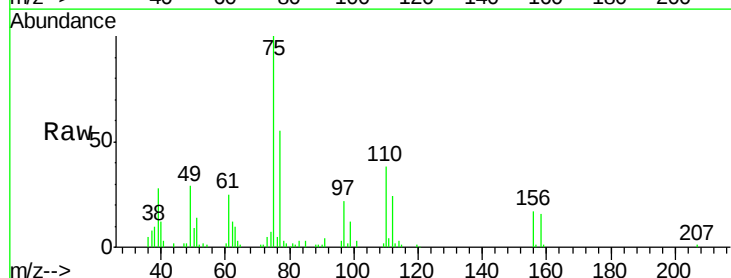
Acq: 17 Sep 2020 11:25

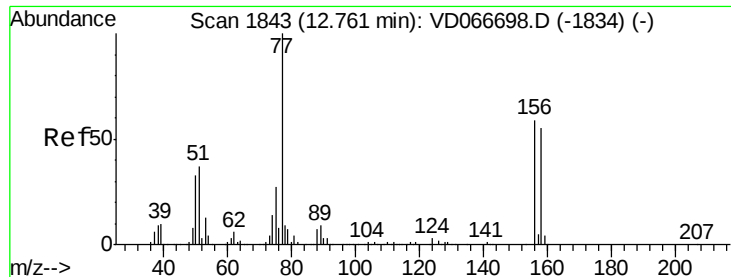
Tgt Ion: 75 Resp: 44581

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 18.695 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD066736.D

Acq: 17 Sep 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion:156 Resp: 94144

Ion Ratio Lower Upper

156 100

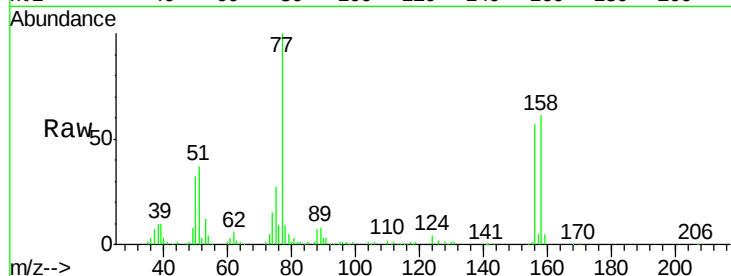
77 188.7 95.8 287.3

158 98.4 48.4 145.0

Manual Integrations
APPROVED

MMDadoda

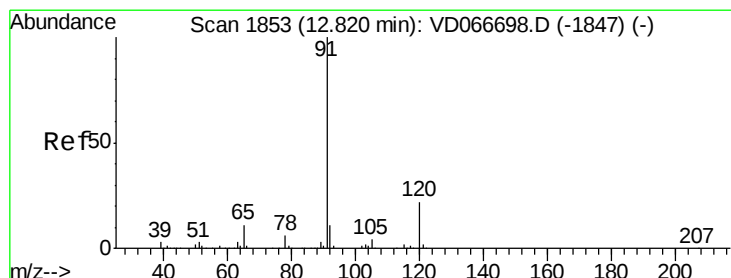
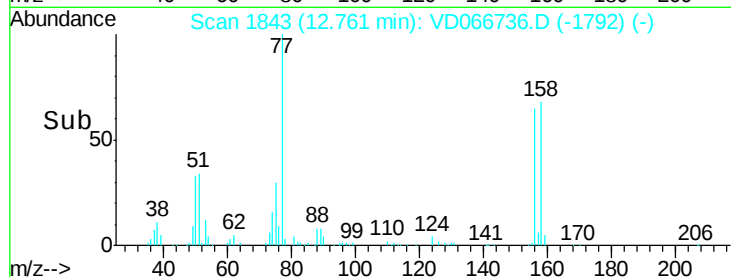
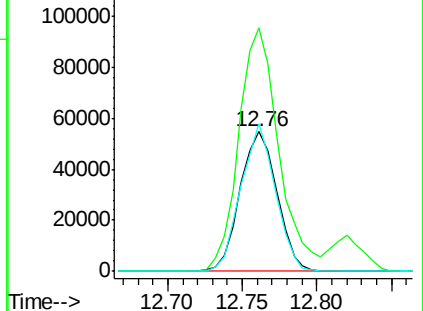
9/18/2020 12:18:16 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.831 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD066736.D

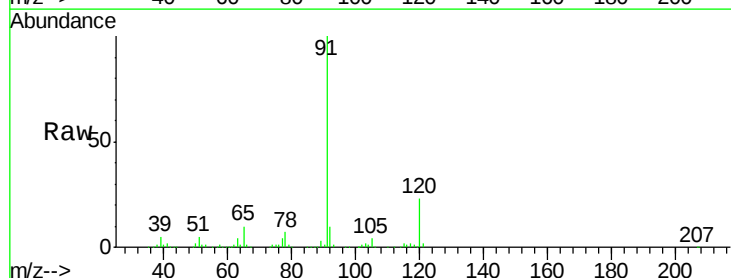
Acq: 17 Sep 2020 11:25

Tgt Ion: 91 Resp: 501559

Ion Ratio Lower Upper

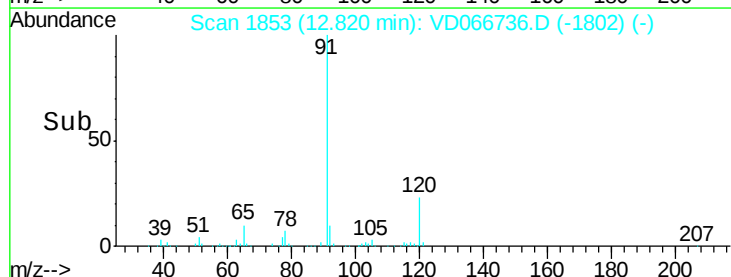
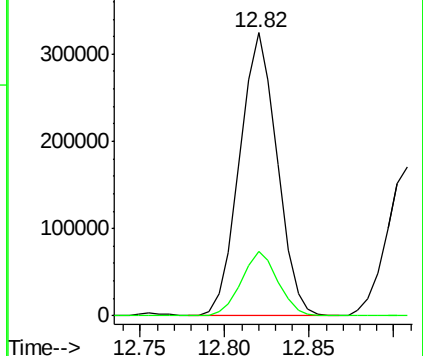
91 100

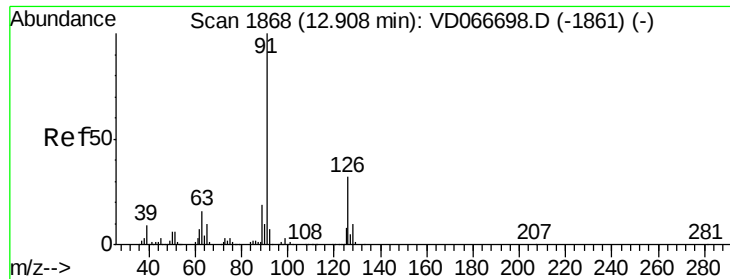
120 22.3 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





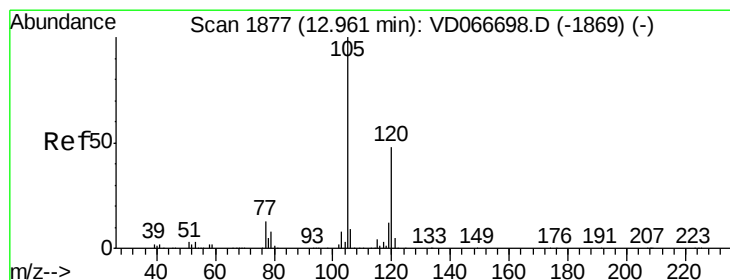
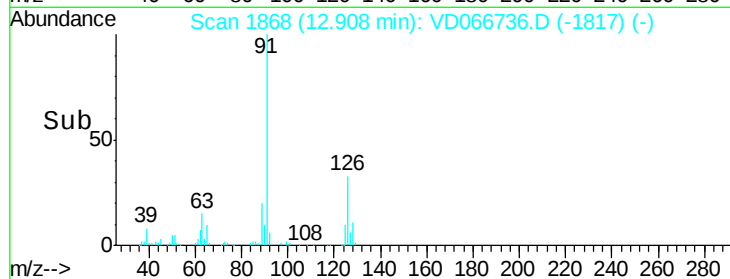
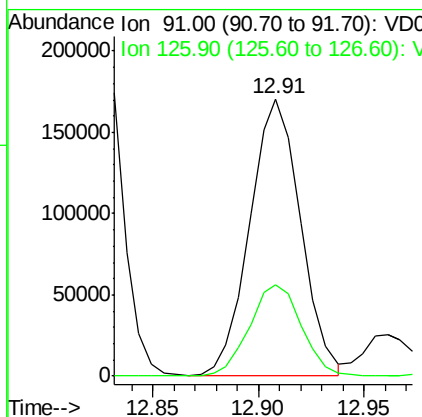
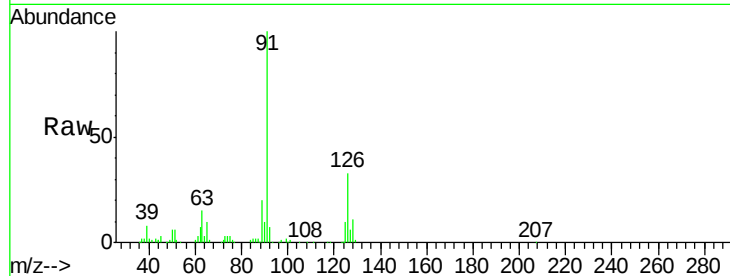
#79
 2-Chlorotoluene
 Concen: 18.952 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VD066736.D
 Acq: 17 Sep 2020 11:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0917SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.2	48.6

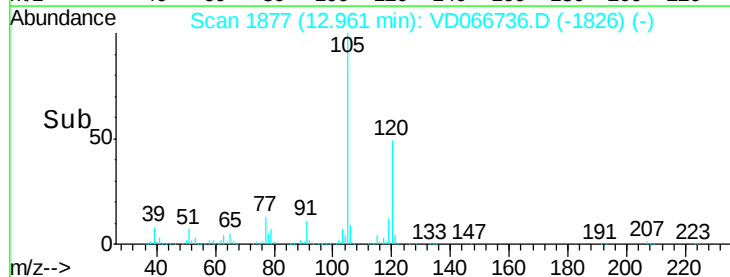
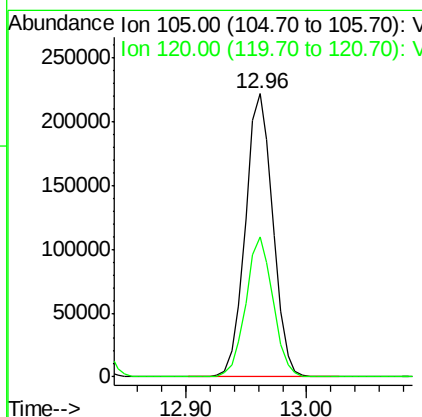
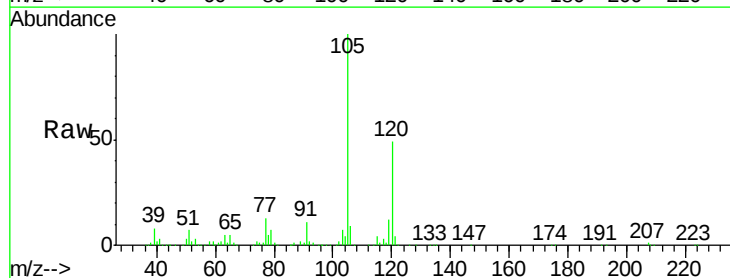
Manual Integrations
 APPROVED

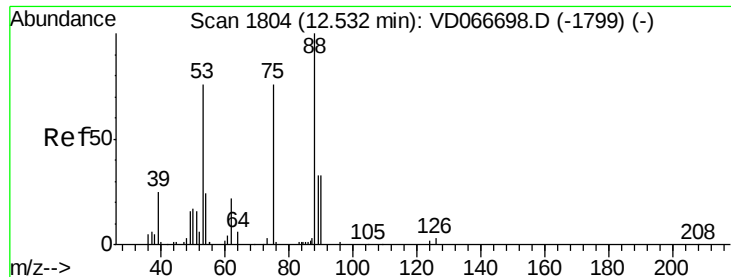
MMDadoda
 9/18/2020 12:18:16 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.138 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VD066736.D
 Acq: 17 Sep 2020 11:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.8	23.9	71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 19.082 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066736.D

Acq: 17 Sep 2020 11:25

Instrument :

MSVOA_D

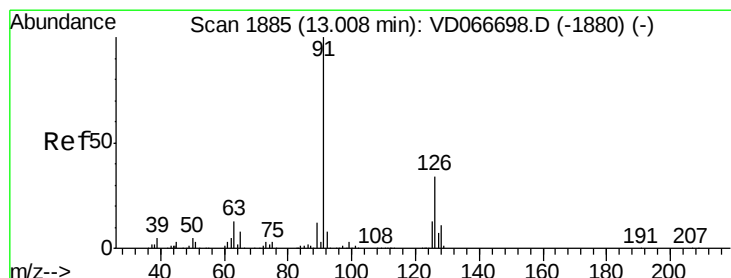
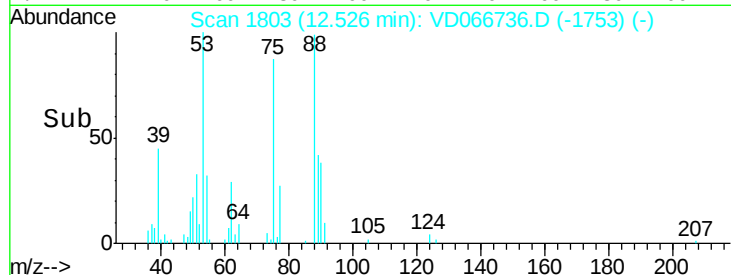
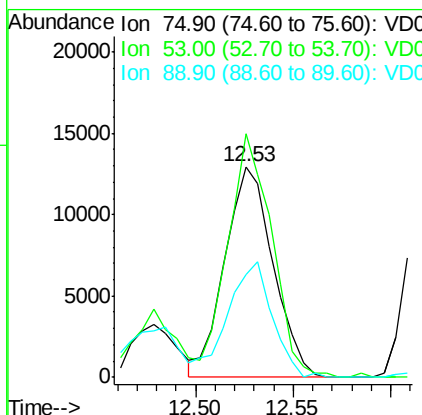
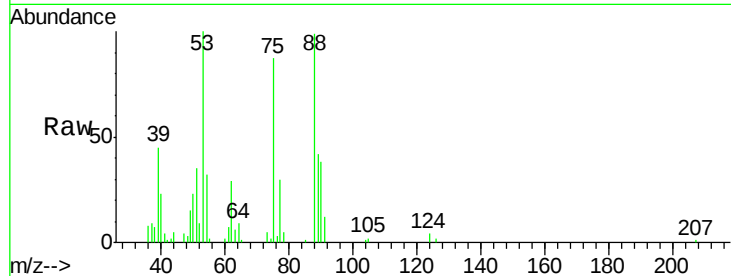
ClientSampleId :

VD0917SBS01

Tot Ion:	75	Resp:	22150
Ion	Ratio	Lower	Upper
75	100		
53	105.2	82.2	123.4
89	51.1	39.6	59.4

Manual Integrations
APPROVED

MMDadoda
9/18/2020 12:18:16 PM



#82

4-Chlorotoluene

Concen: 19.054 ug/l

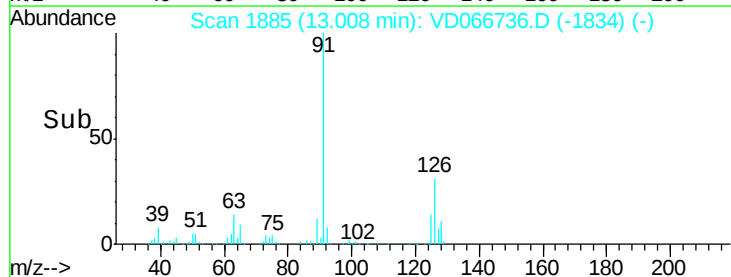
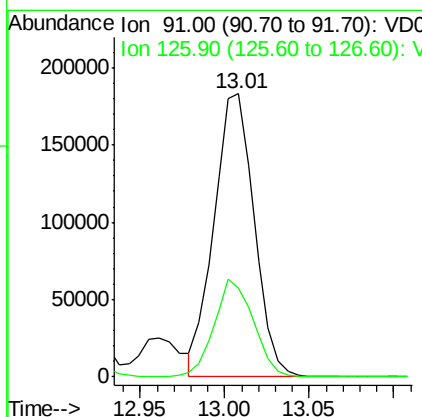
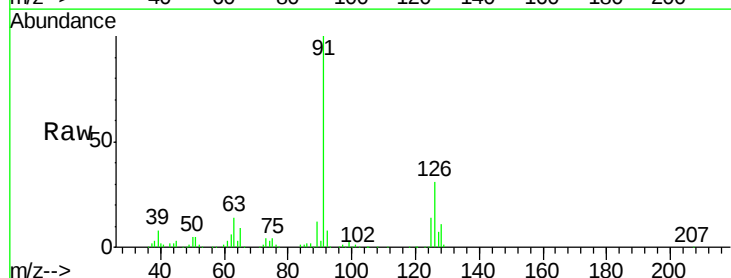
RT: 13.01 min Scan# 1885

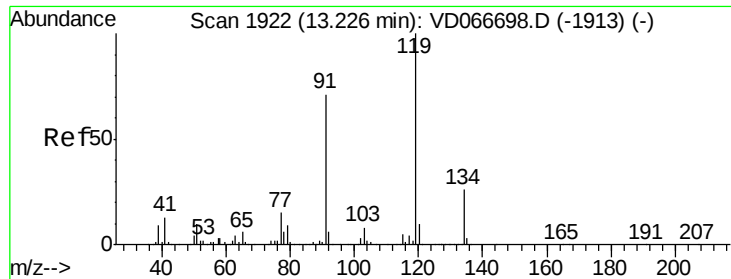
Delta R.T. -0.00 min

Lab File: VD066736.D

Acq: 17 Sep 2020 11:25

Tgt Ion:	91	Resp:	303421
Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.8	50.4





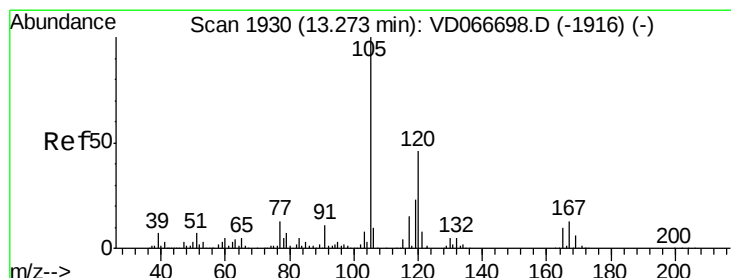
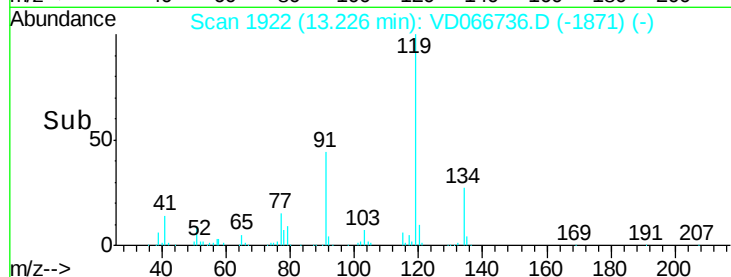
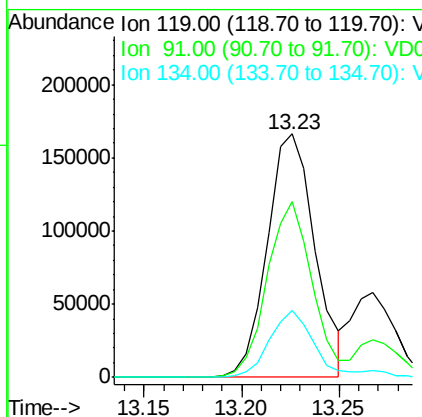
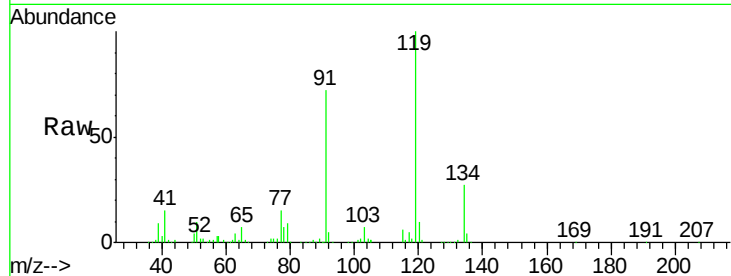
#83
tert-Butylbenzene
Concen: 18.518 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD066736.D
Acq: 17 Sep 2020 11:25

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	281967		
91	67.7		35.0	105.1
134	27.1		13.6	40.8

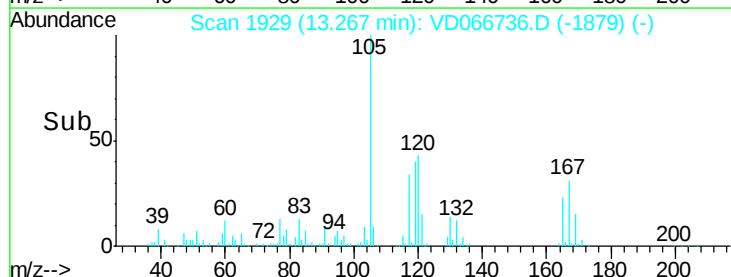
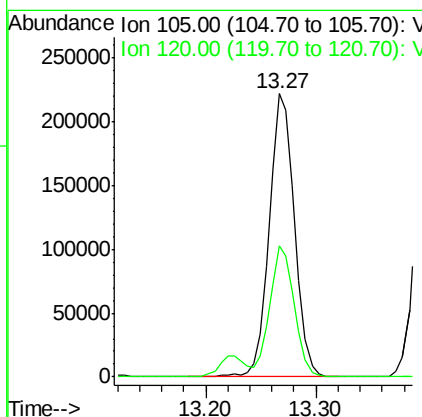
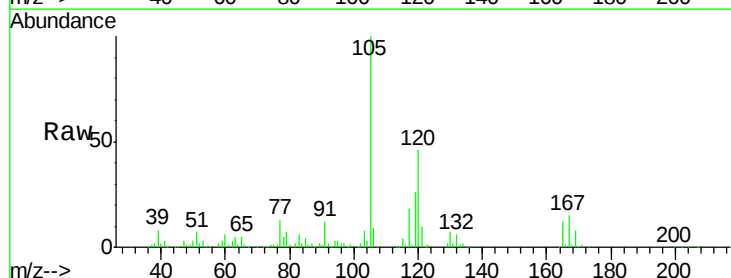
Manual Integrations
APPROVED

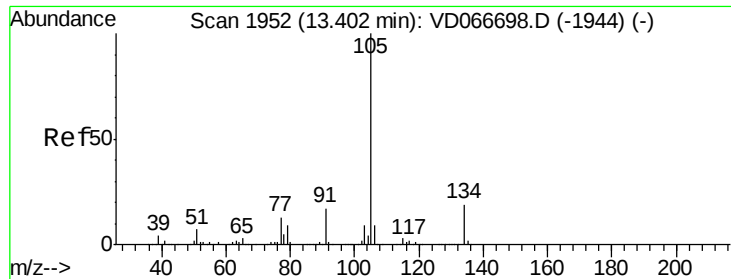
MMDadoda
9/18/2020 12:18:16 PM



#84
1,2,4-Trimethylbenzene
Concen: 19.134 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.01 min
Lab File: VD066736.D
Acq: 17 Sep 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	353248		
120	44.8		22.4	67.2





#85

sec-Butylbenzene

Concen: 18.453 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066736.D

Acq: 17 Sep 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD0917SBS01

Tot Ion:105 Resp: 402806

Ion Ratio Lower Upper

105 100

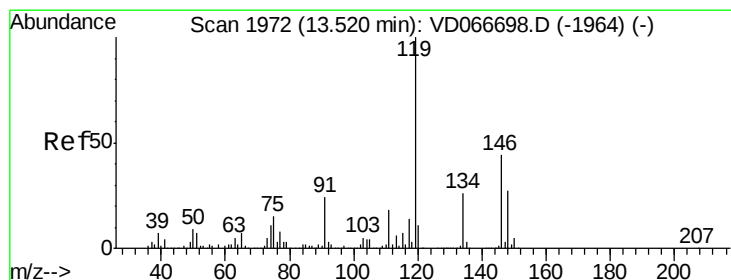
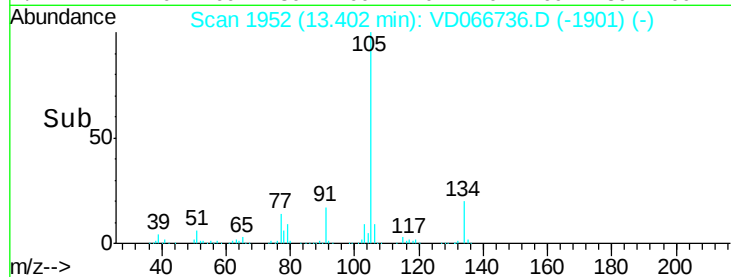
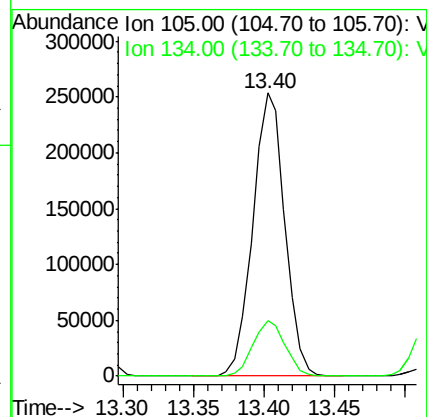
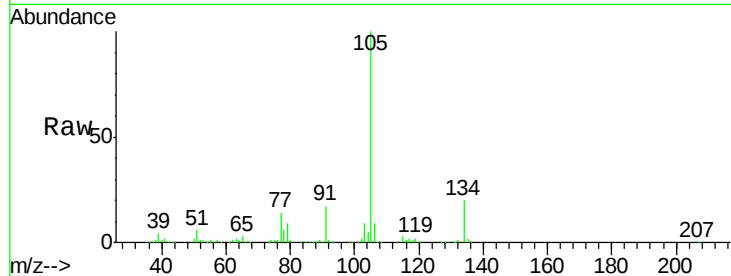
134 19.9 10.0 30.0

Manual Integrations

APPROVED

MMDadoda

9/18/2020 12:18:16 PM



#86

p-Isopropyltoluene

Concen: 19.066 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066736.D

Acq: 17 Sep 2020 11:25

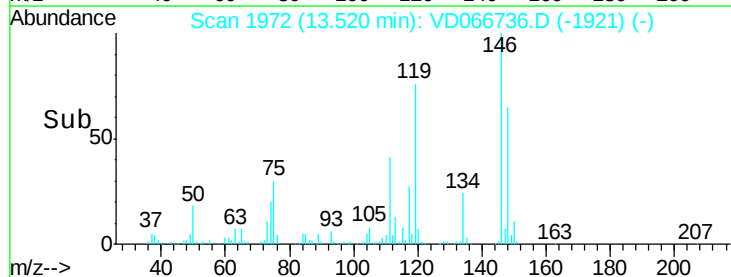
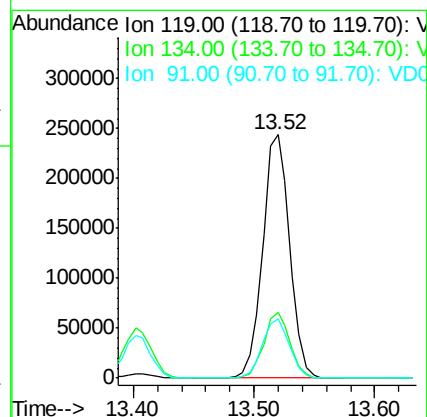
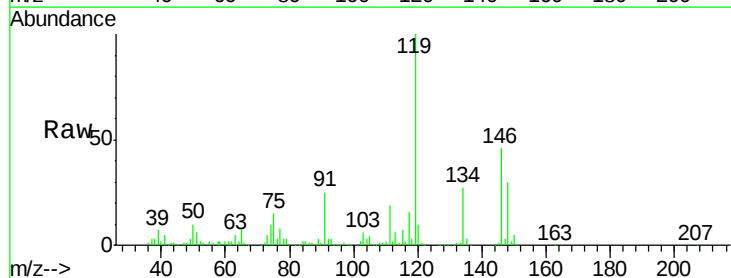
Tgt Ion:119 Resp: 378368

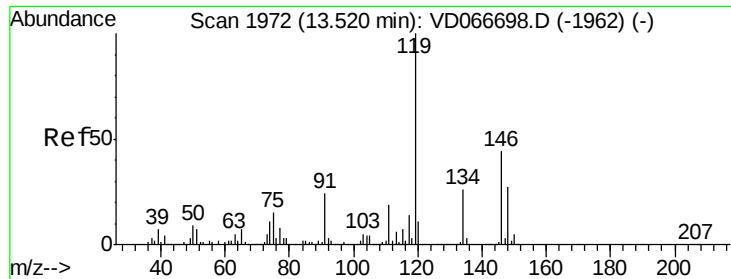
Ion Ratio Lower Upper

119 100

134 26.2 12.9 38.7

91 24.5 12.3 36.9





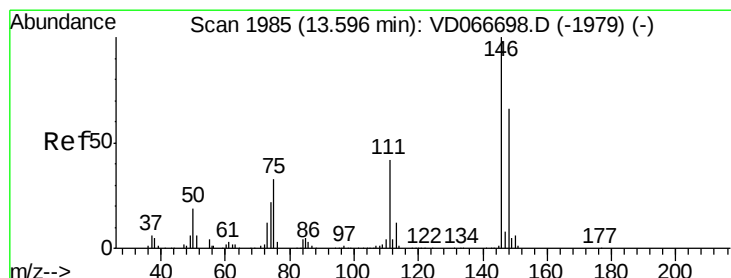
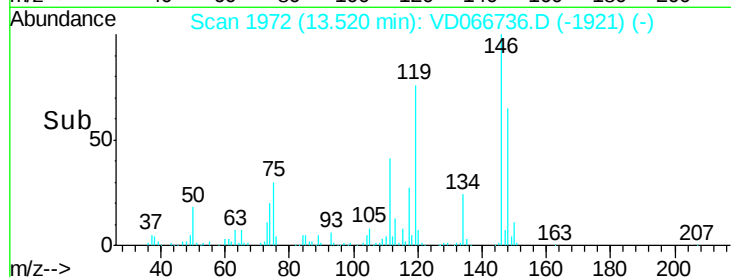
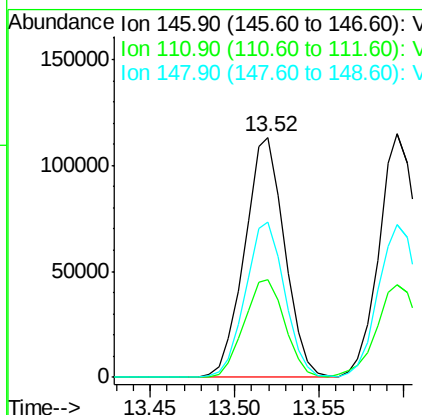
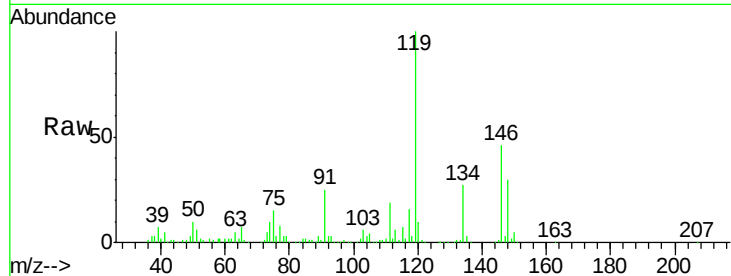
#87
 1,3-Dichlorobenzene
 Concen: 19.314 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066736.D
 Acq: 17 Sep 2020 11:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0917SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	186599		
111	41.4	21.1	63.3	
148	63.6	31.4	94.2	

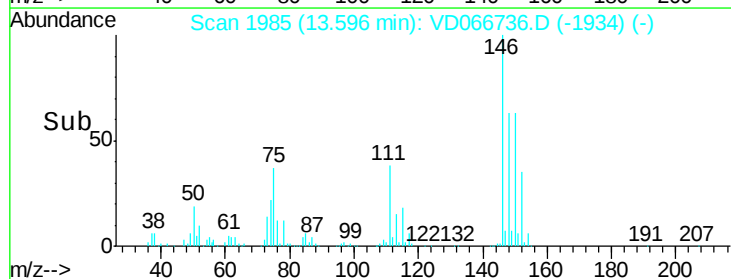
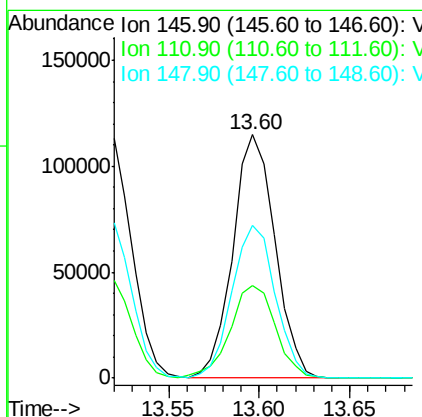
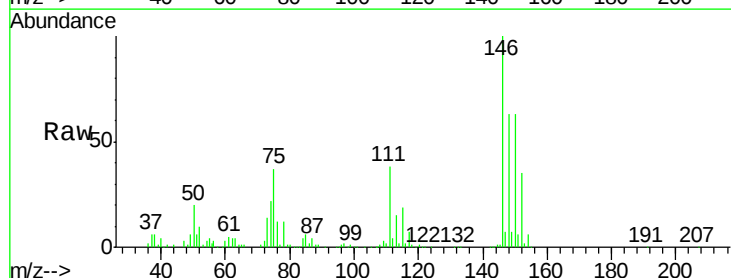
Manual Integrations
 APPROVED

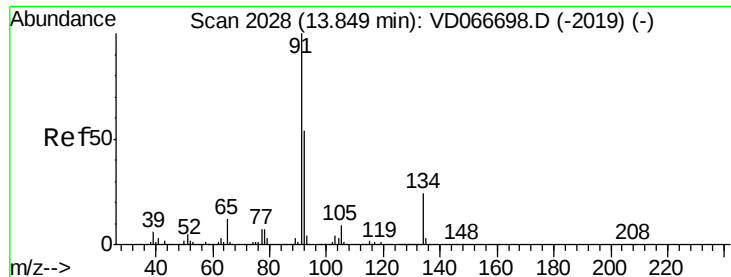
MMDadoda
 9/18/2020 12:18:16 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.351 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD066736.D
 Acq: 17 Sep 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	186173		
111	40.9	20.5	61.6	
148	64.2	32.7	98.1	





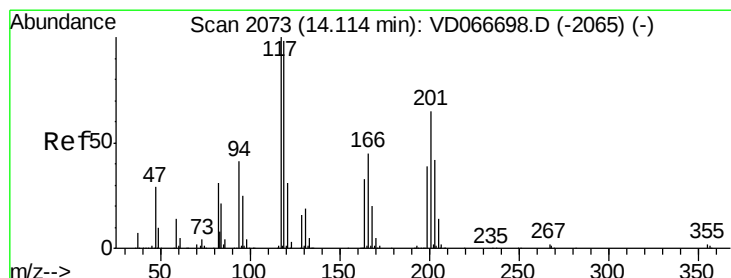
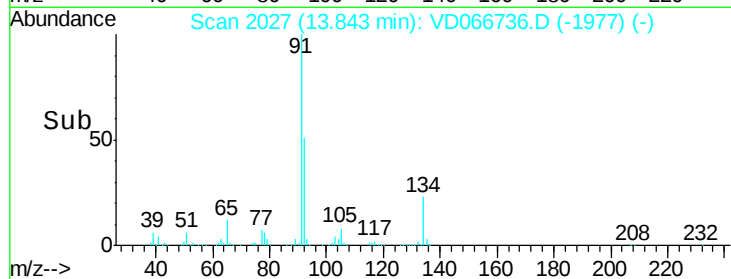
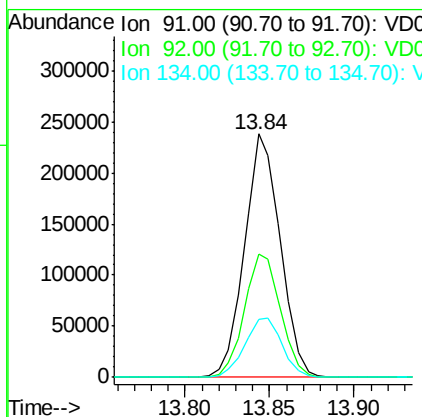
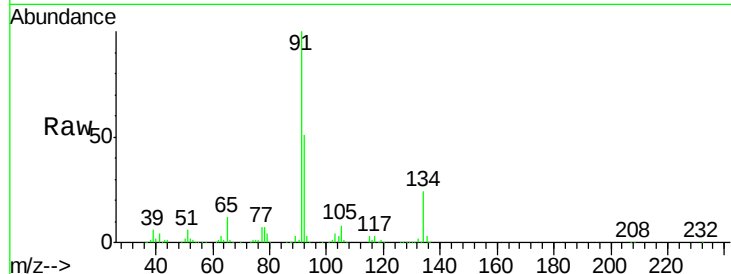
#89
n-Butylbenzene
Concen: 18.505 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066736.D
Acq: 17 Sep 2020 11:25

Instrument :
MSVOA_D
ClientSampleId :
VD0917SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	27.0	81.0
134	25.3	12.4	37.0

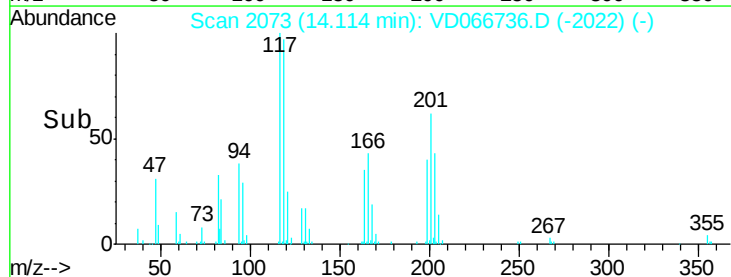
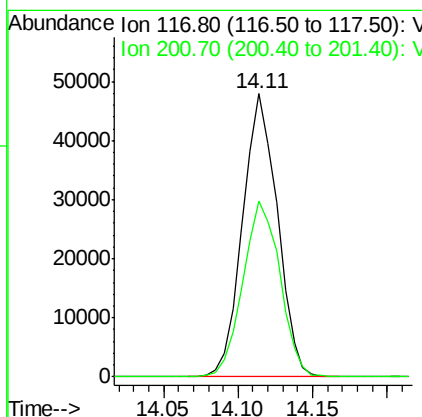
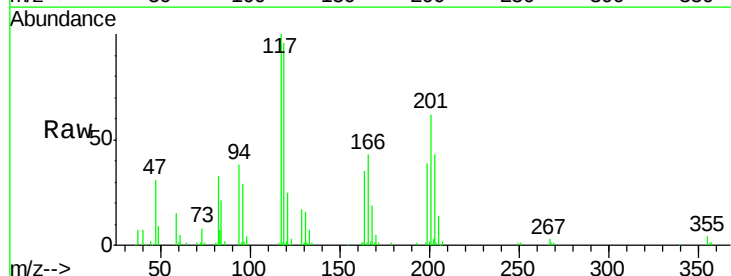
Manual Integrations
APPROVED

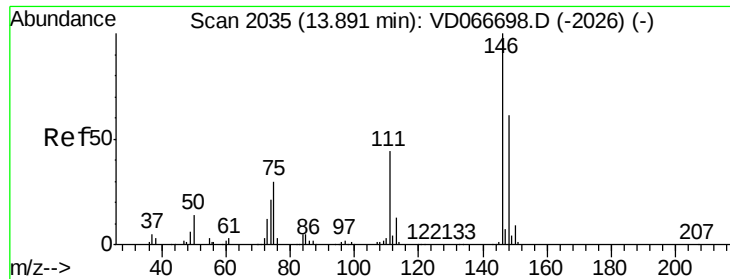
MMDadoda
9/18/2020 12:18:16 PM



#90
Hexachloroethane
Concen: 18.933 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066736.D
Acq: 17 Sep 2020 11:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.0	33.1	99.3





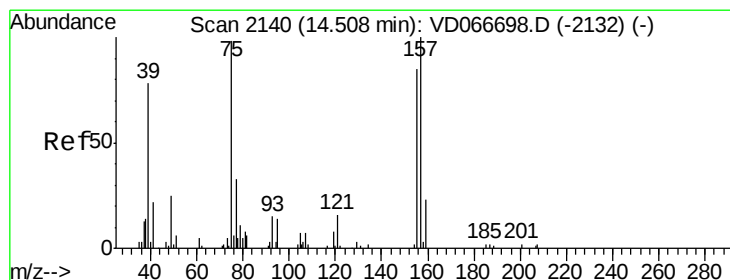
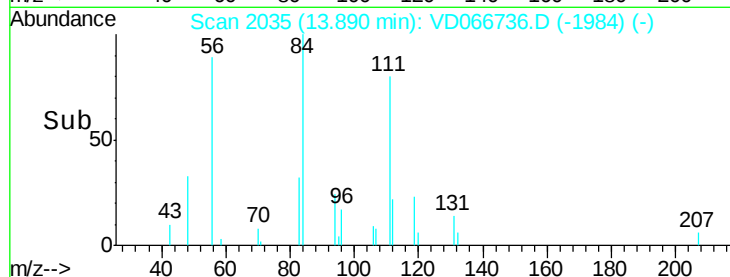
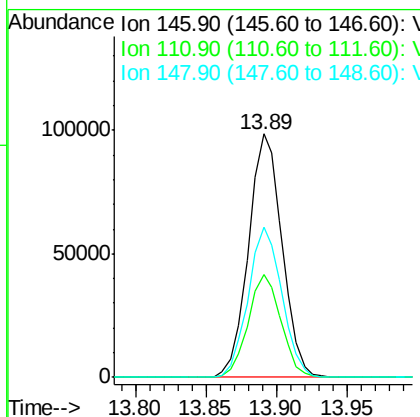
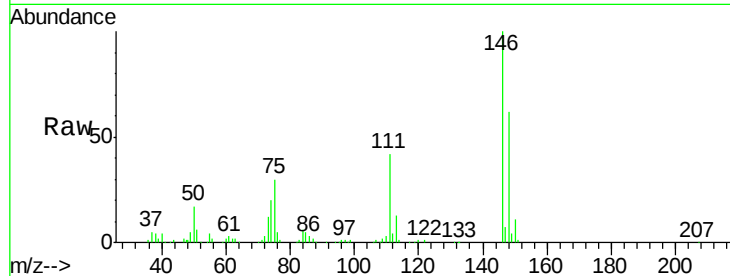
#91
 1,2-Dichlorobenzene
 Concen: 19.845 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD066736.D
 Acq: 17 Sep 2020 11:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0917SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.6	64.6
148	62.2	31.4	94.3

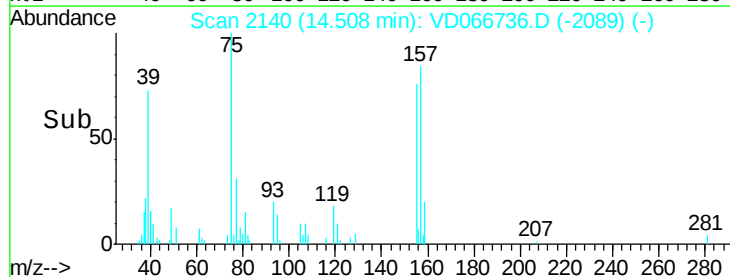
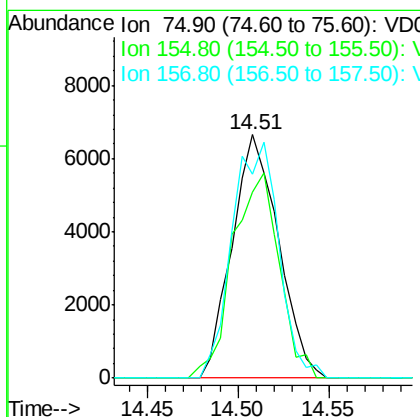
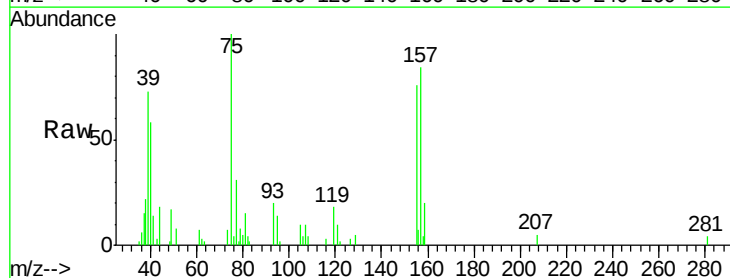
Manual Integrations
 APPROVED

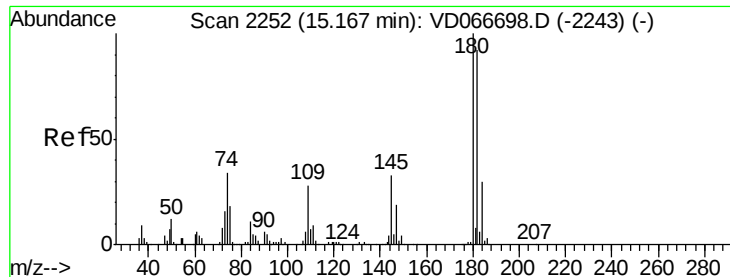
MMDadoda
 9/18/2020 12:18:16 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.740 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.00 min
 Lab File: VD066736.D
 Acq: 17 Sep 2020 11:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.7	38.9	116.7
157	97.5	46.4	139.2





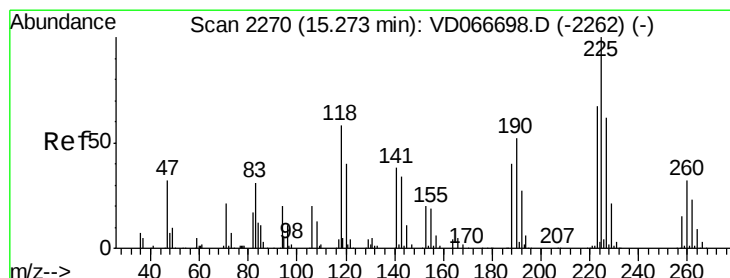
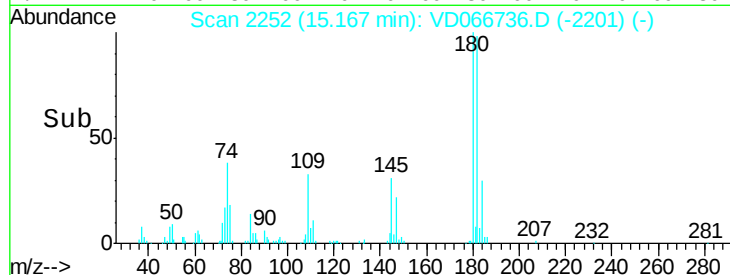
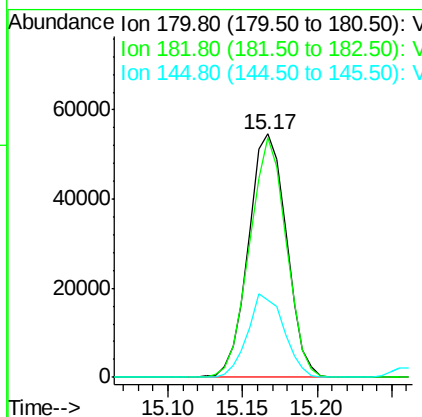
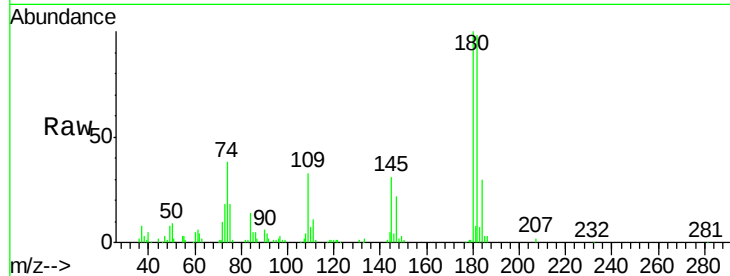
#93
 1,2,4-Trichlorobenzene
 Concen: 19.150 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066736.D
 Acq: 17 Sep 2020 11:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0917SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.2	46.6	139.7	
145	32.9	16.5	49.5	

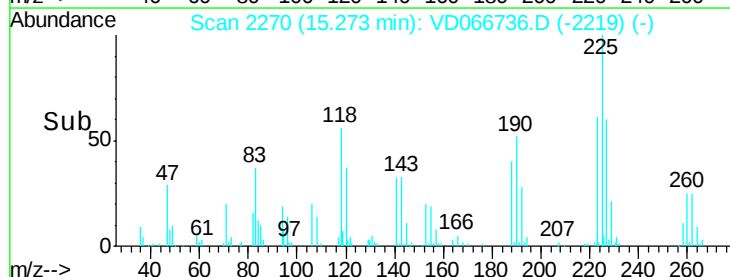
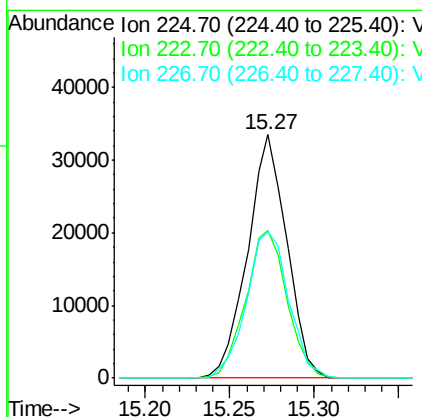
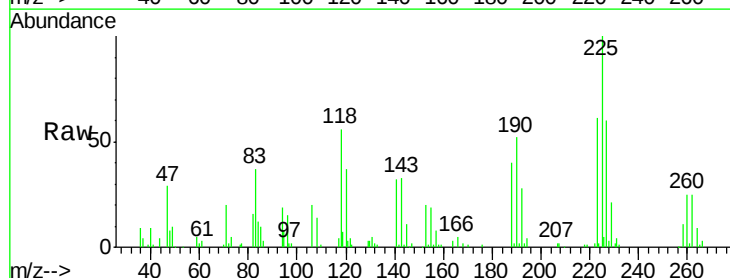
Manual Integrations
 APPROVED

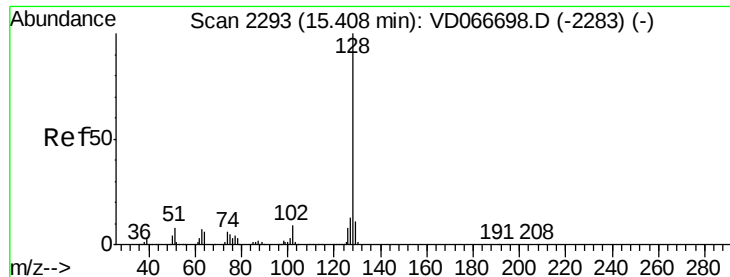
MMDadoda
 9/18/2020 12:18:16 PM



#94
 Hexachlorobutadiene
 Concen: 17.963 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066736.D
 Acq: 17 Sep 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.8	31.9	95.9	
227	64.8	31.3	93.9	





#95

Naphthalene

Concen: 18.218 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD066736.D

Acq: 17 Sep 2020 11:25

Instrument :

MSVOA_D

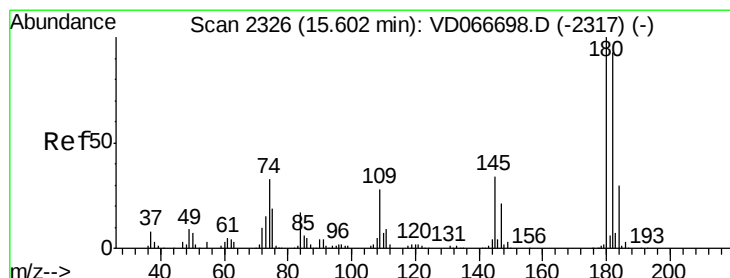
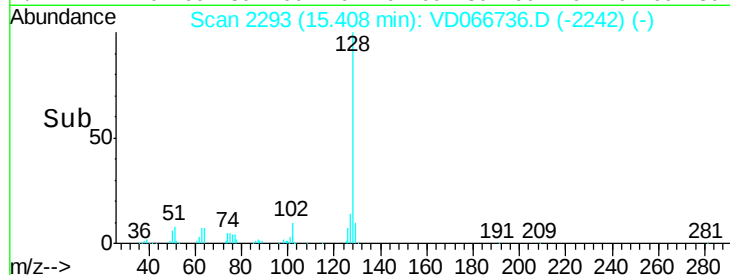
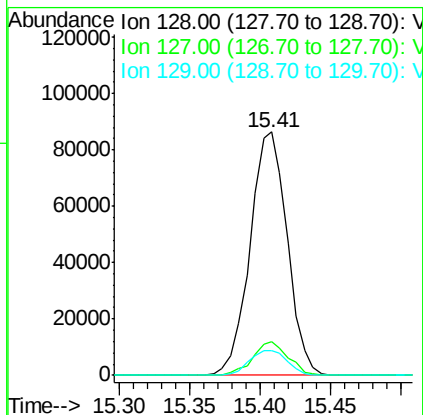
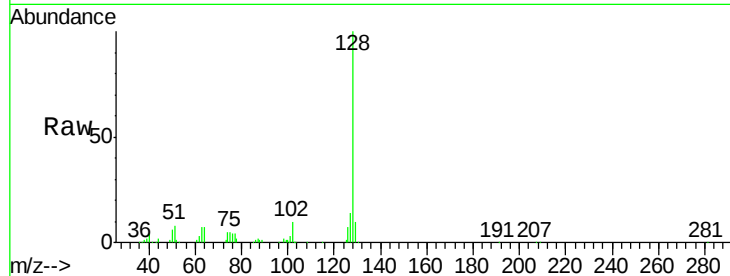
ClientSampleId :

VD0917SBS01

Tot Ion:	128	Resp:	159374
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.5	15.7
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/18/2020 12:18:16 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.362 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VD066736.D

Acq: 17 Sep 2020 11:25

Tgt Ion:	180	Resp:	80303
Ion Ratio	Lower	Upper	
180	100		
182	100.5	46.6	139.8
145	32.9	17.1	51.3

