

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092120\
 Data File : VD066782.D
 Acq On : 21 Sep 2020 14:59
 Operator : VA/SY
 Sample : VD0921SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/22/2020 2:09:47 PM

Quant Time: Sep 22 01:10:50 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	7.98	168	416205	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	695002	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	633538	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	292834	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	215825	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
35) Dibromofluoromethane	7.91	113	213673	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
50) Toluene-d8	10.34	98	764381	50.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.70%	
62) 4-Bromofluorobenzene	12.63	95	264936	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	72592	20.799	ug/l	94
3) Chloromethane	2.21	50	82343	18.181	ug/l	95
4) Vinyl Chloride	2.35	62	82454	17.395	ug/l #	87
5) Bromomethane	2.76	94	59351	17.651	ug/l	96
6) Chloroethane	2.92	64	49776	16.856	ug/l	91
7) Trichlorofluoromethane	3.27	101	156426	19.106	ug/l	99
8) Diethyl Ether	3.70	74	40019	19.520	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	84995	18.890	ug/l	96
10) Methyl Iodide	4.30	142	86351	20.227	ug/l	100
11) Tert butyl alcohol	5.21	59	35752m	76.332	ug/l	
12) 1,1-Dichloroethene	4.07	96	79115	18.997	ug/l	90
13) Acrolein	3.93	56	25606	81.759	ug/l	99
14) Allyl chloride	4.71	41	123727	18.499	ug/l	97
15) Acrylonitrile	5.42	53	86397	96.199	ug/l	99
16) Acetone	4.16	43	75404	83.385	ug/l	98
17) Carbon Disulfide	4.41	76	258238	19.733	ug/l	98
18) Methyl Acetate	4.71	43	41587	19.335	ug/l	95
19) Methyl tert-butyl Ether	5.47	73	184851	19.928	ug/l	96
20) Methylene Chloride	4.97	84	110364	17.991	ug/l #	92
21) trans-1,2-Dichloroethene	5.47	96	95575	19.698	ug/l	95
22) Diisopropyl ether	6.36	45	262744	19.334	ug/l	96
23) Vinyl Acetate	6.30	43	626164	82.834	ug/l	97
24) 1,1-Dichloroethane	6.26	63	168364	19.523	ug/l	98
25) 2-Butanone	7.21	43	100010	84.933	ug/l	93
26) 2,2-Dichloropropane	7.20	77	146712	18.398	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	103014	19.407	ug/l	95
28) Bromochloromethane	7.55	49	72142	22.397	ug/l	92
29) Tetrahydrofuran	7.56	42	65615	91.076	ug/l	91
30) Chloroform	7.71	83	180733	19.692	ug/l	100
31) Cyclohexane	7.98	56	145184	18.509	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	159240	18.960	ug/l	99
36) 1,1-Dichloropropene	8.11	75	130360	18.243	ug/l	98
37) Ethyl Acetate	7.28	43	46788	17.296	ug/l #	96
38) Carbon Tetrachloride	8.09	117	139583	18.395	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092120\
 Data File : VD066782.D
 Acq On : 21 Sep 2020 14:59
 Operator : VA/SY
 Sample : VD0921SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/22/2020 2:09:47 PM

Quant Time: Sep 22 01:10:50 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	153302	18.756	ug/l	95
40) Benzene	8.35	78	378659	19.587	ug/l	97
41) Methacrylonitrile	7.53	41	30184m	21.076	ug/l	
42) 1,2-Dichloroethane	8.43	62	114074	19.047	ug/l	98
43) Isopropyl Acetate	8.45	43	92367	18.141	ug/l	97
44) Trichloroethene	9.11	130	105879	20.484	ug/l	93
45) 1,2-Dichloropropane	9.38	63	94611	19.797	ug/l	96
46) Dibromomethane	9.47	93	51600	19.648	ug/l	99
47) Bromodichloromethane	9.66	83	139036	19.429	ug/l	98
48) Methyl methacrylate	9.46	41	43720	16.881	ug/l #	82
49) 1,4-Dioxane	9.46	88	12150	431.902	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	236132	90.080	ug/l	99
52) Toluene	10.40	92	243744	19.682	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	116428	18.213	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	138429	18.231	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	68741	19.853	ug/l	89
56) Ethyl methacrylate	10.66	69	74721	19.016	ug/l	94
57) 1,3-Dichloropropane	10.94	76	116421	19.159	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	207385	120.174	ug/l	95
59) 2-Hexanone	10.98	43	156984	89.128	ug/l	99
60) Dibromochloromethane	11.13	129	90072	19.964	ug/l	99
61) 1,2-Dibromoethane	11.24	107	66694	20.080	ug/l	99
64) Tetrachloroethene	10.87	164	87803	20.302	ug/l	96
65) Chlorobenzene	11.67	112	250251	19.078	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	96413	19.921	ug/l	97
67) Ethyl Benzene	11.74	91	443419	18.663	ug/l	99
68) m/p-Xylenes	11.85	106	343982	38.307	ug/l	98
69) o-Xylene	12.18	106	152424	19.208	ug/l	97
70) Styrene	12.19	104	274603	19.662	ug/l	99
71) Bromoform	12.36	173	47713	19.645	ug/l #	98
73) Isopropylbenzene	12.48	105	420763	19.247	ug/l	100
74) N-amyl acetate	12.28	43	80231	17.398	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	72693	19.569	ug/l	94
76) 1,2,3-Trichloropropane	12.78	75	51851m	20.686	ug/l	
77) Bromobenzene	12.76	156	99430	19.734	ug/l	97
78) n-propylbenzene	12.82	91	502179	18.844	ug/l	99
79) 2-Chlorotoluene	12.91	91	289450	19.209	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	352738	19.084	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	17722	15.259	ug/l	92
82) 4-Chlorotoluene	13.01	91	315487	19.801	ug/l	100
83) tert-Butylbenzene	13.23	119	288001	18.904	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	358237	19.393	ug/l	97
85) sec-Butylbenzene	13.40	105	412526	18.888	ug/l	100
86) p-Isopropyltoluene	13.52	119	382704	19.274	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	194922	20.165	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	186215	19.345	ug/l	99
89) n-Butylbenzene	13.84	91	352626	18.677	ug/l	98
90) Hexachloroethane	14.11	117	74517	18.269	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	164541	19.865	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11715	19.509	ug/l	94

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092120\
Data File : VD066782.D
Acq On : 21 Sep 2020 14:59
Operator : VA/SY
Sample : VD0921SBS01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

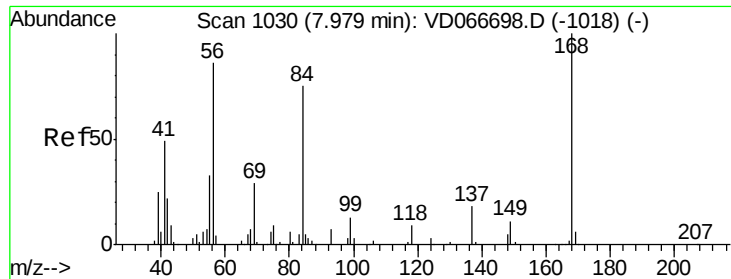
Manual Integrations
APPROVED

MMDadoda
9/22/2020 2:09:47 PM

Quant Time: Sep 22 01:10:50 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	102795	20.519	ug/l	98
94) Hexachlorobutadiene	15.27	225	57802	19.151	ug/l	95
95) Naphthalene	15.40	128	166174	18.985	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	86878	19.855	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066782.D

Acq: 21 Sep 2020 14:59

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion:168 Resp: 416205

Ion Ratio Lower Upper

168 100

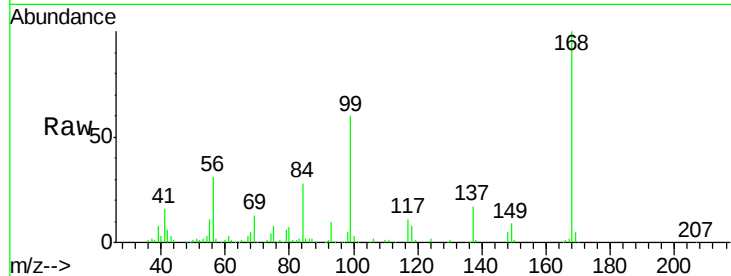
99 59.4 54.4 81.6

Manual Integrations

APPROVED

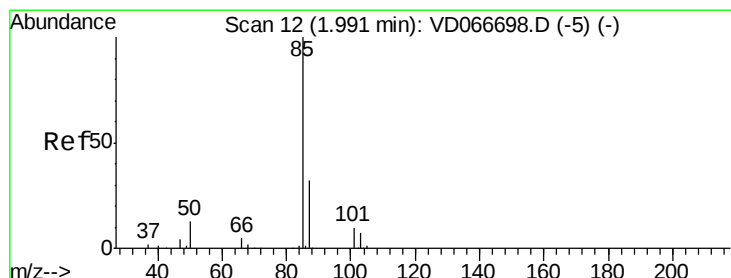
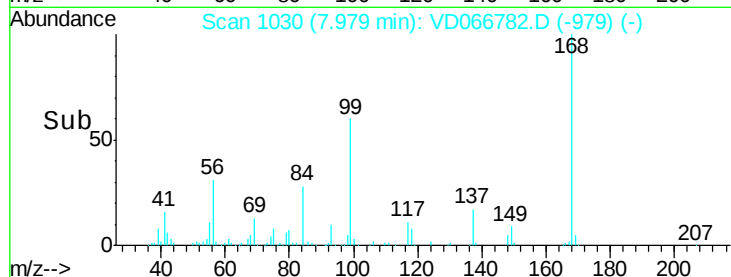
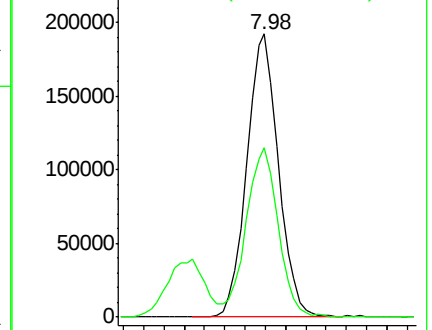
MMDadoda

9/22/2020 2:09:47 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.799 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD066782.D

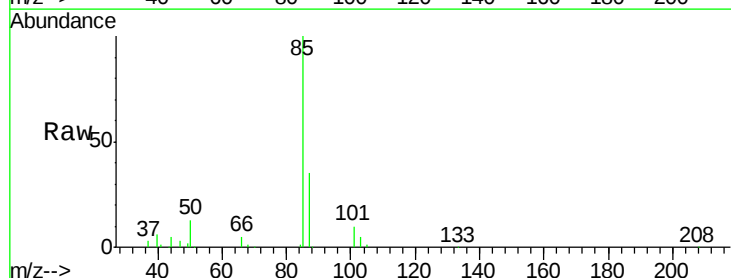
Acq: 21 Sep 2020 14:59

Tgt Ion: 85 Resp: 72592

Ion Ratio Lower Upper

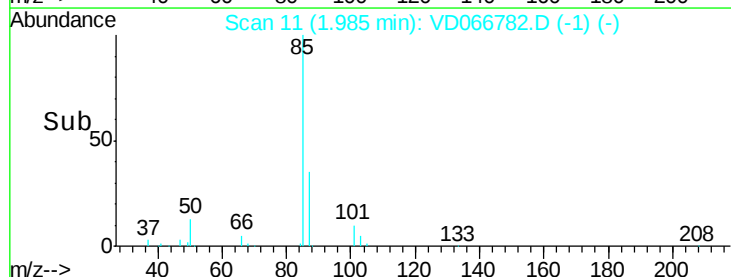
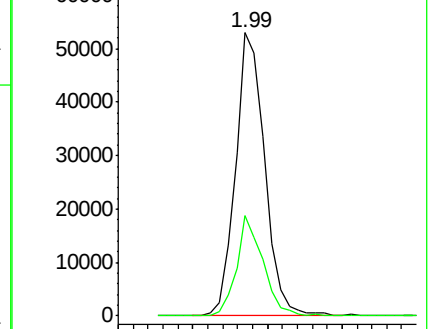
85 100

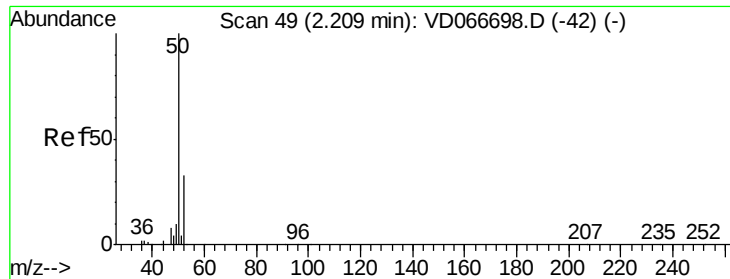
87 35.2 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.181 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066782.D

Acq: 21 Sep 2020 14:59

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion: 50 Resp: 82343

Ion Ratio Lower Upper

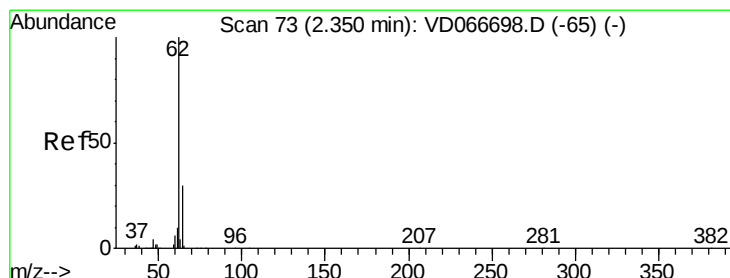
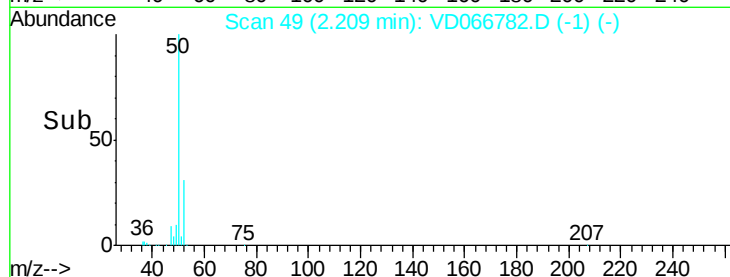
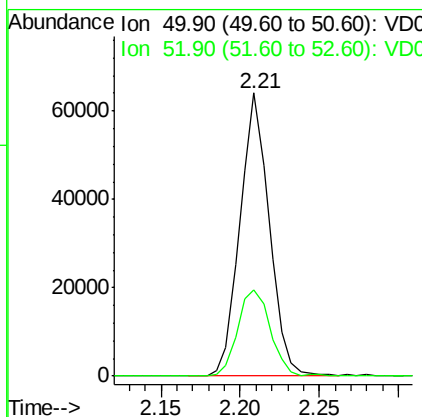
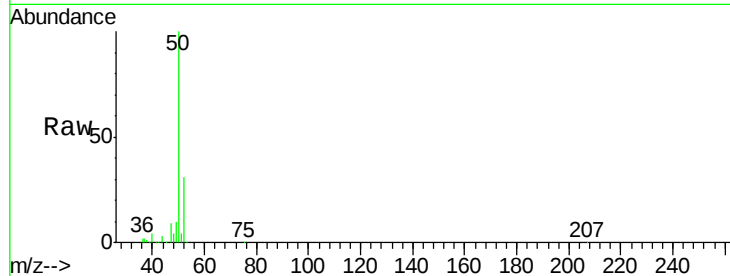
50 100

52 30.6 26.8 40.2

Manual Integrations
APPROVED

MMDadoda

9/22/2020 2:09:47 PM



#4

Vinyl Chloride

Concen: 17.395 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066782.D

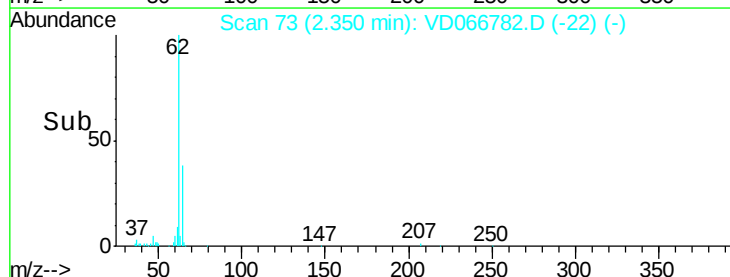
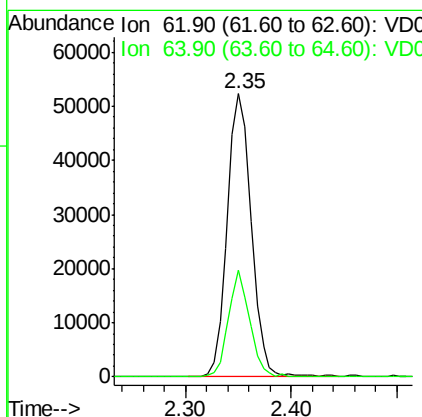
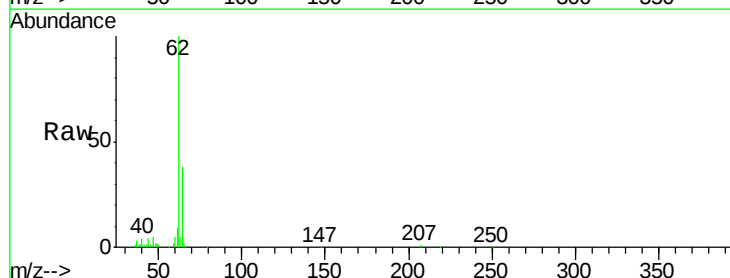
Acq: 21 Sep 2020 14:59

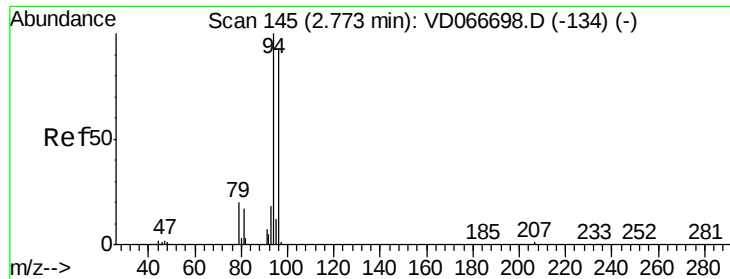
Tgt Ion: 62 Resp: 82454

Ion Ratio Lower Upper

62 100

64 37.8 24.4 36.6#





#5

Bromomethane

Concen: 17.651 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD066782.D

Acq: 21 Sep 2020 14:59

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion: 94 Resp: 59351

Ion Ratio Lower Upper

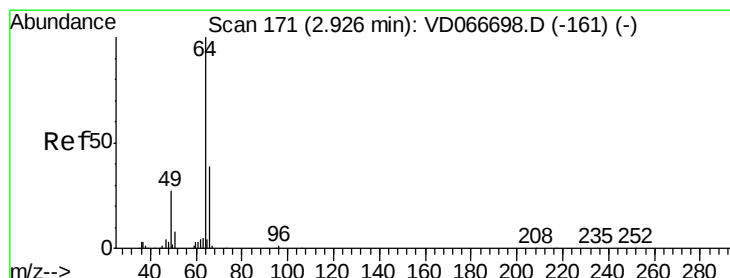
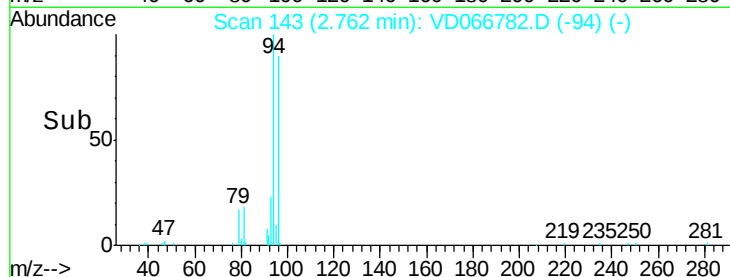
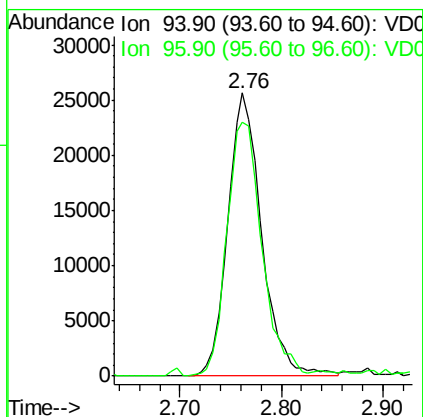
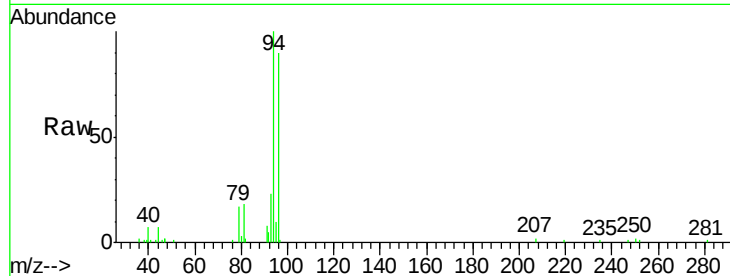
94 100

96 89.8 74.7 112.1

Manual Integrations
APPROVED

MMDadoda

9/22/2020 2:09:47 PM



#6

Chloroethane

Concen: 16.856 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD066782.D

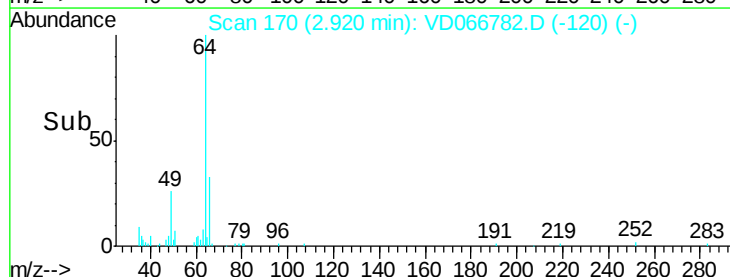
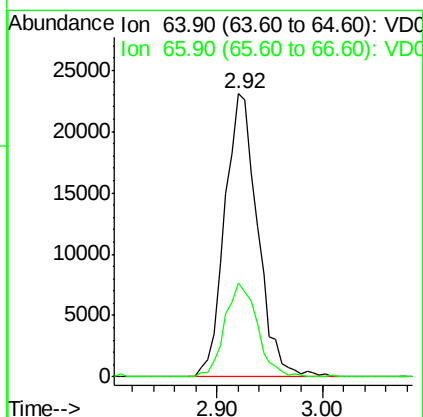
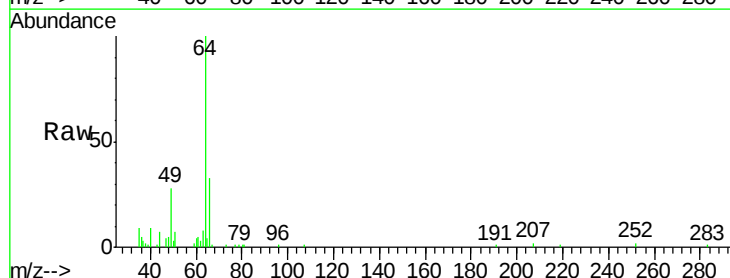
Acq: 21 Sep 2020 14:59

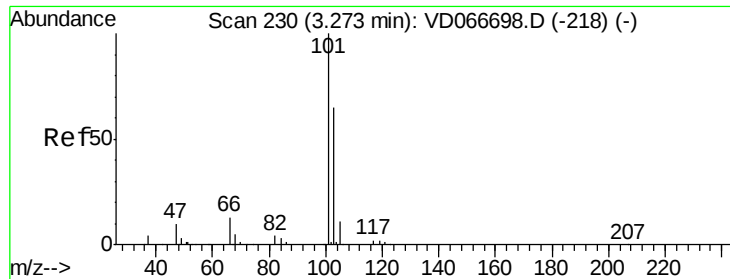
Tgt Ion: 64 Resp: 49776

Ion Ratio Lower Upper

64 100

66 33.1 30.9 46.3





#7

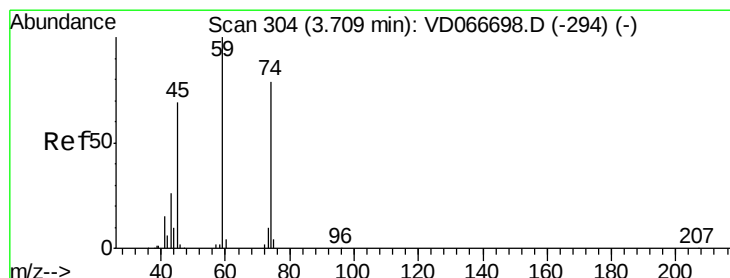
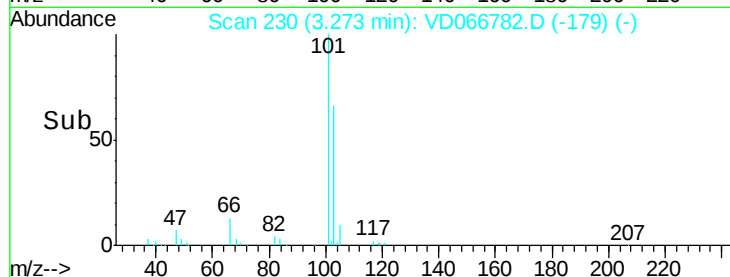
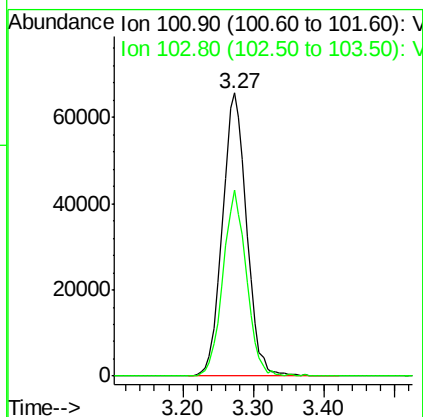
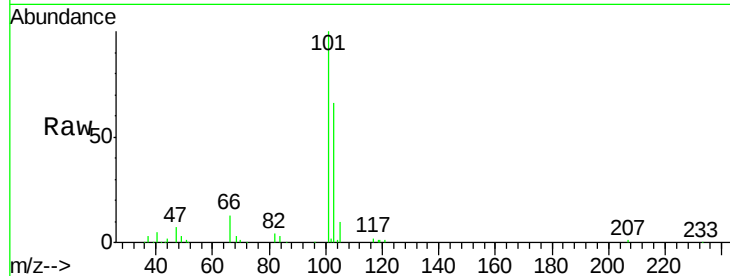
Trichlorofluoromethane
Concen: 19.106 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD066782.D
Acq: 21 Sep 2020 14:59

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	156426		
103	65.6	51.8	77.8	

Manual Integrations
APPROVED

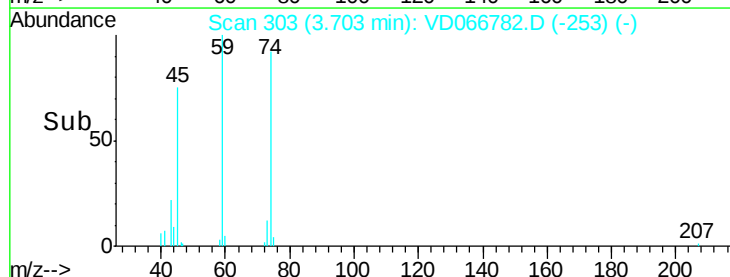
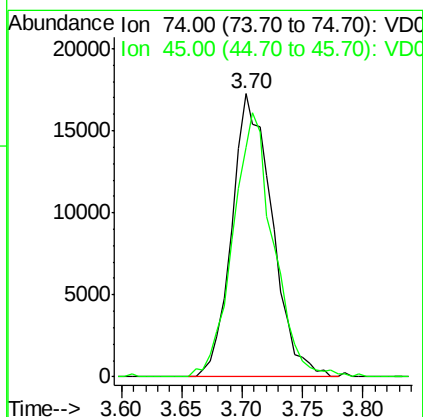
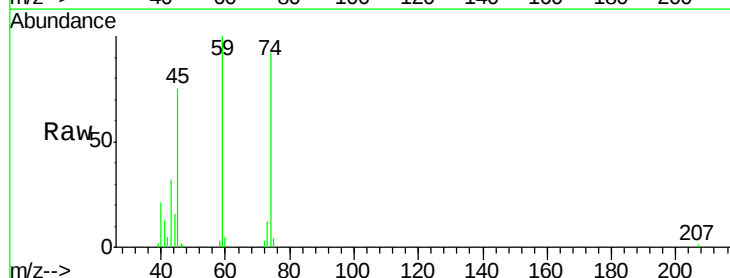
MMDadoda
9/22/2020 2:09:47 PM

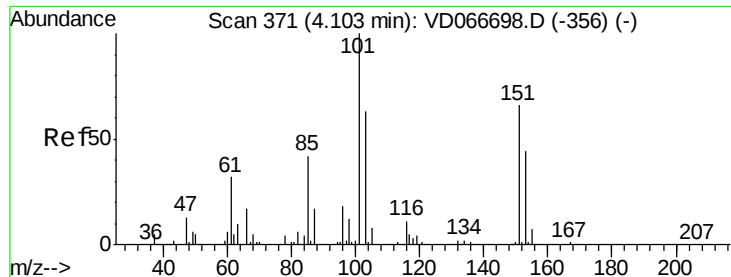


#8

Diethyl Ether
Concen: 19.520 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD066782.D
Acq: 21 Sep 2020 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	40019		
45	94.3	48.0	144.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.890 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.01 min

Lab File: VD066782.D

Acq: 21 Sep 2020 14:59

Instrument :

MSVOA_D

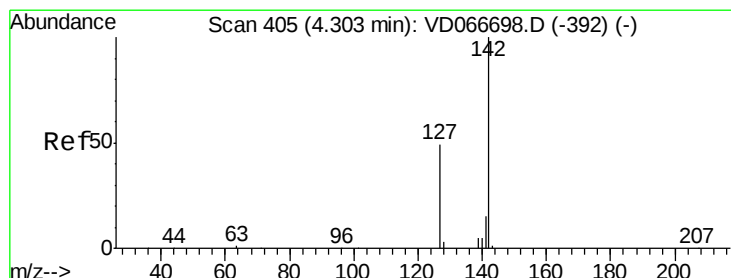
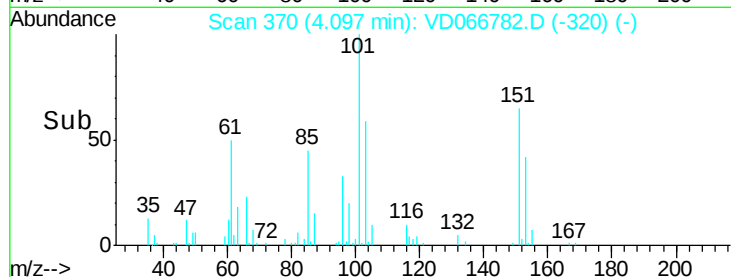
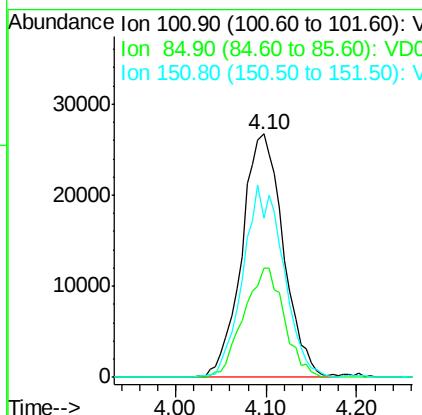
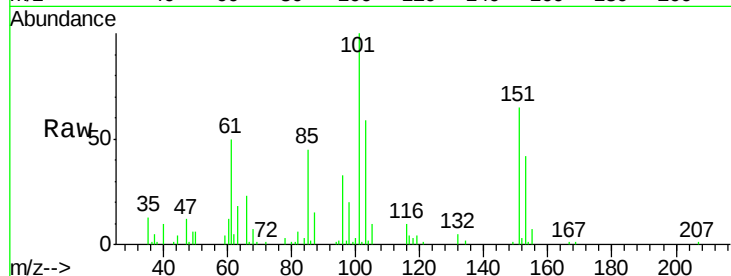
ClientSampleId :

VD0921SBS01

Tot Ion:	101	Resp:	84995
Ion Ratio	Lower	Upper	
101	100		
85	43.9	36.3	54.5
151	77.0	58.0	87.0

Manual Integrations
APPROVED

MMDadoda
9/22/2020 2:09:47 PM



#10

Methyl Iodide

Concen: 20.227 ug/l

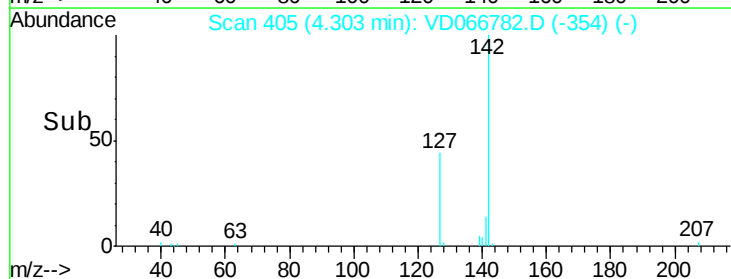
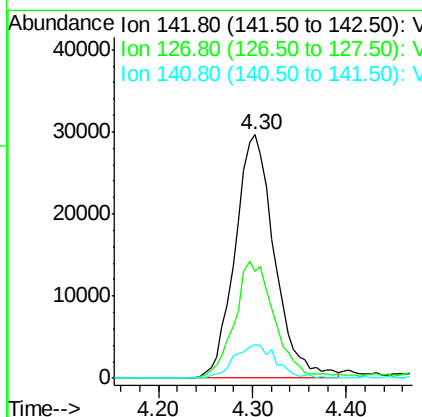
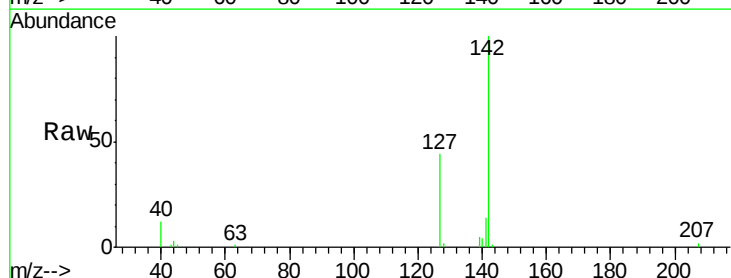
RT: 4.30 min Scan# 405

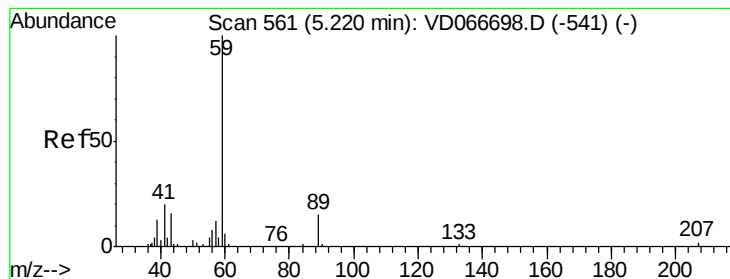
Delta R.T. -0.00 min

Lab File: VD066782.D

Acq: 21 Sep 2020 14:59

Tgt Ion:	142	Resp:	86351
Ion Ratio	Lower	Upper	
142	100		
127	48.9	39.0	58.4
141	14.5	11.7	17.5





#11

Tert butyl alcohol

Concen: 76.332 ug/l m

RT: 5.21 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD066782.D

Acq: 21 Sep 2020 14:59

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion: 59 Resp: 35752

Ion Ratio Lower Upper

59 100

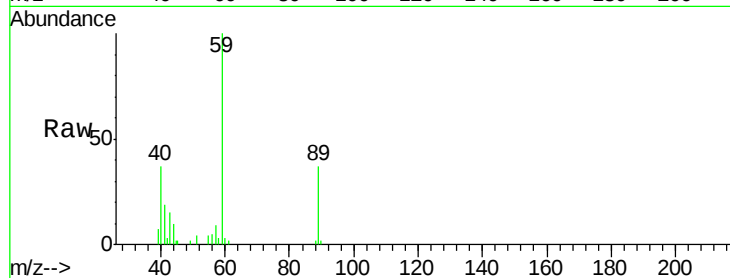
57 4.3 6.7 10.1#

Manual Integrations

APPROVED

MMDadoda

9/22/2020 2:09:47 PM



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

10000

8000

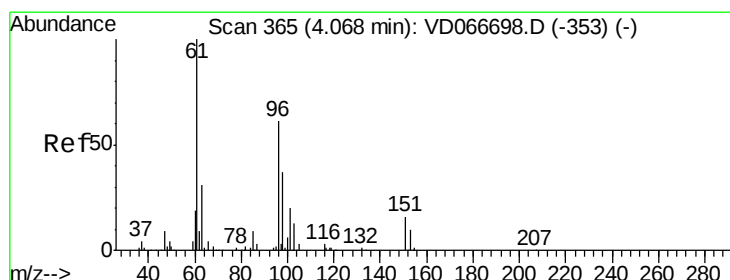
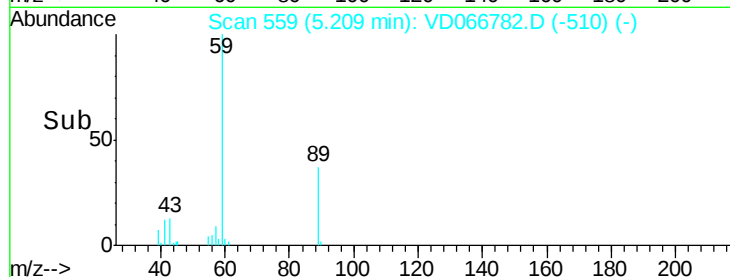
6000

4000

2000

0

Time-->



#12

1,1-Dichloroethene

Concen: 18.997 ug/l

RT: 4.07 min Scan# 365

Delta R.T. -0.00 min

Lab File: VD066782.D

Acq: 21 Sep 2020 14:59

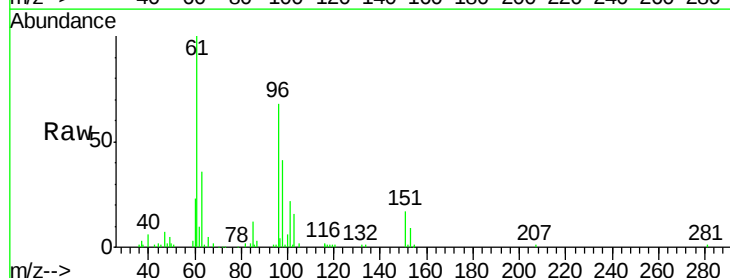
Tgt Ion: 96 Resp: 79115

Ion Ratio Lower Upper

96 100

61 146.6 131.9 197.9

98 60.8 49.1 73.7



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

60000

50000

40000

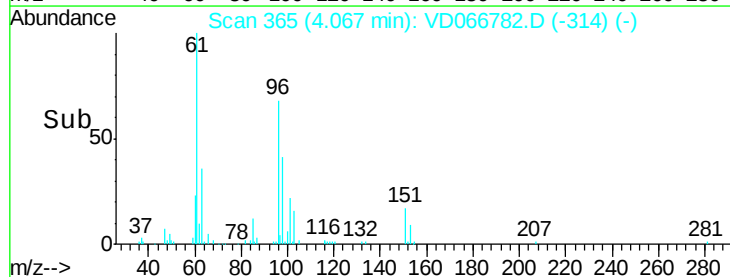
30000

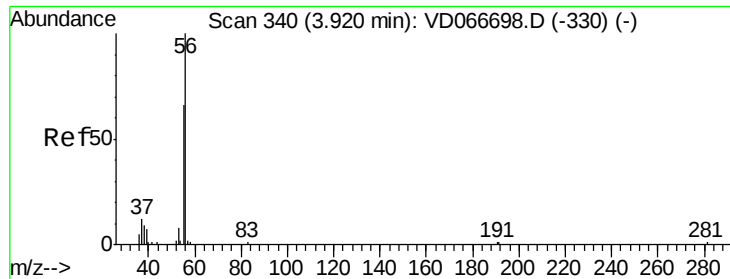
20000

10000

0

Time-->





#13

Acrolein

Concen: 81.759 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD066782.D

Acq: 21 Sep 2020 14:59

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion: 56 Resp: 25606

Ion Ratio Lower Upper

56 100

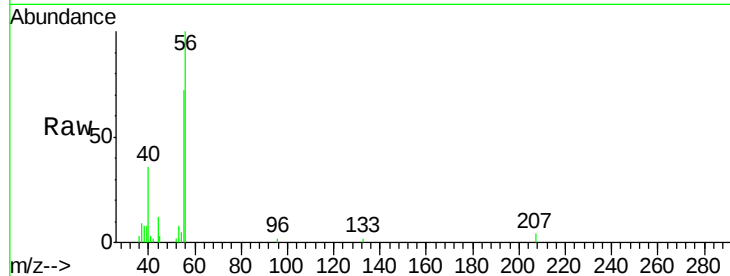
55 69.4 54.7 82.1

Manual Integrations

APPROVED

MMDadoda

9/22/2020 2:09:47 PM



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

10000

8000

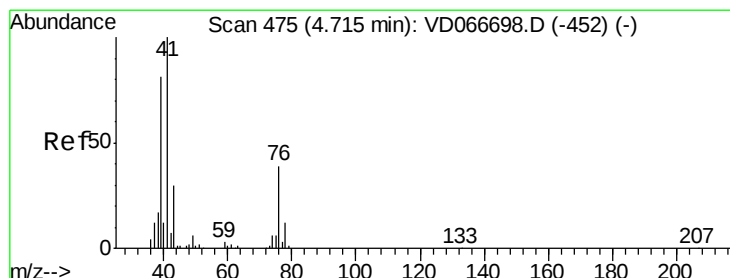
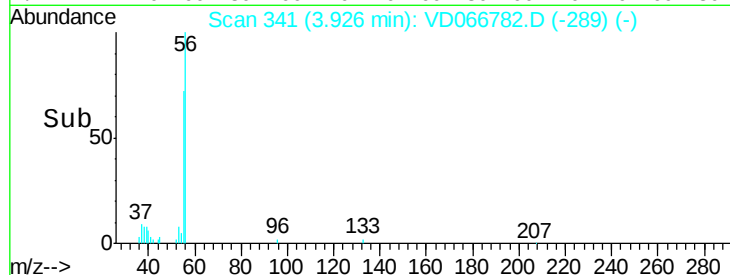
6000

4000

2000

0

Time--> 3.80 3.90 4.00



#14

Allyl chloride

Concen: 18.499 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD066782.D

Acq: 21 Sep 2020 14:59

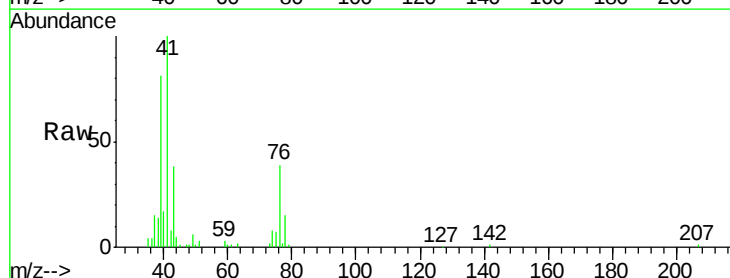
Tgt Ion: 41 Resp: 123727

Ion Ratio Lower Upper

41 100

39 74.4 60.6 90.8

76 39.3 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

50000

40000

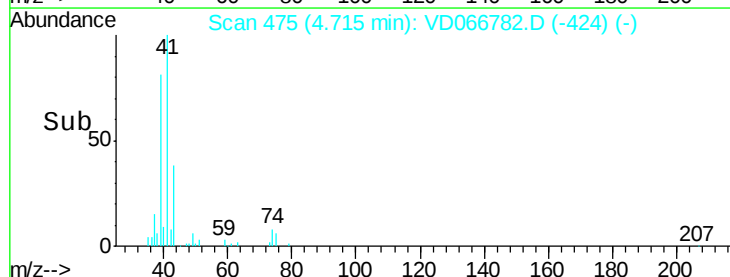
30000

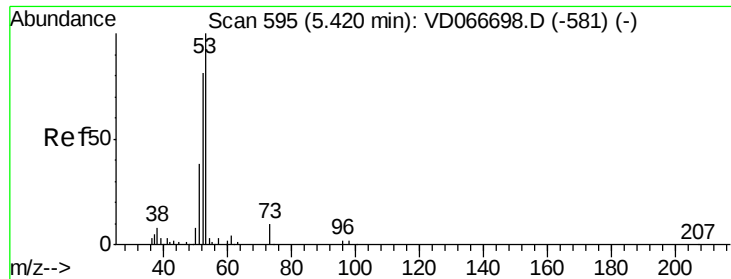
20000

10000

0

Time--> 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 96.199 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD066782.D

Acq: 21 Sep 2020 14:59

Instrument :

MSVOA_D

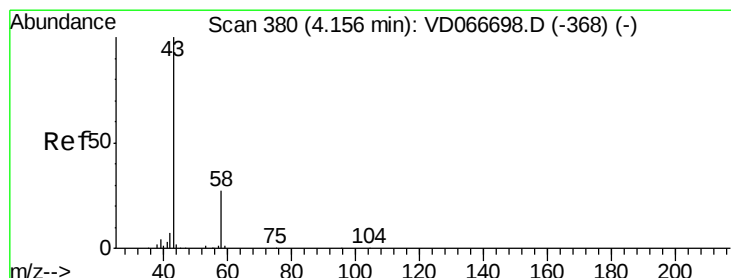
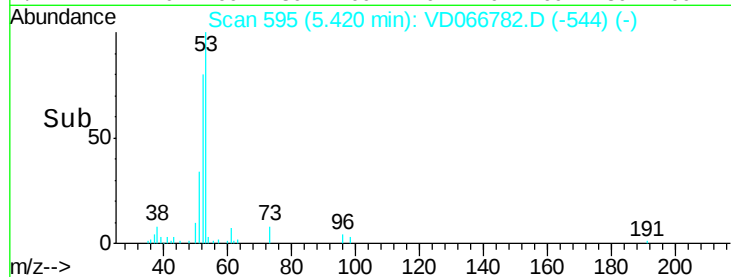
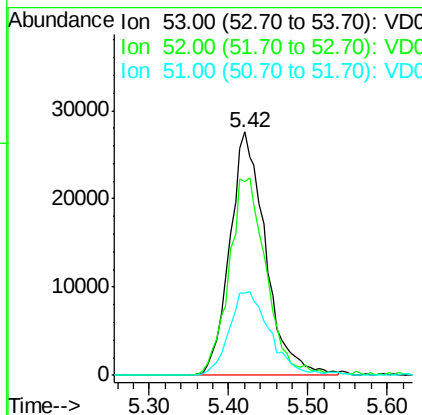
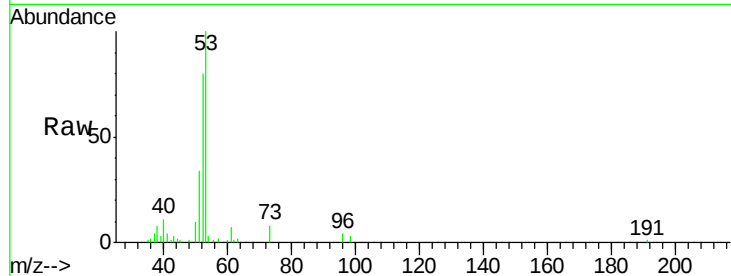
ClientSampleId :

VD0921SBS01

Tot Ion:	53	Resp:	86397
Ion Ratio	Lower	Upper	
53	100		
52	84.8	66.6	99.8
51	38.8	31.0	46.6

Manual Integrations
APPROVED

MMDadoda
9/22/2020 2:09:47 PM



#16

Acetone

Concen: 83.385 ug/l

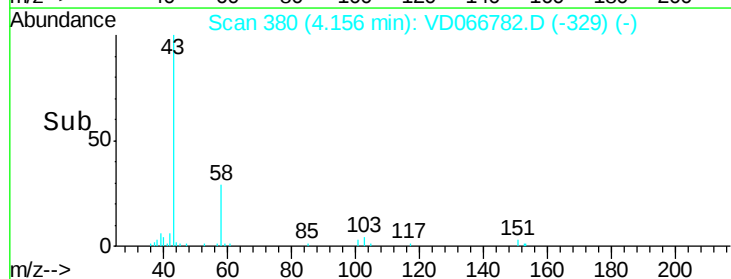
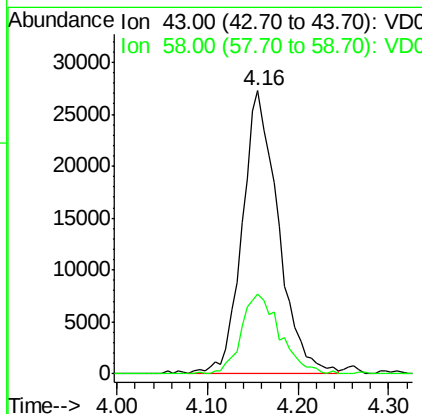
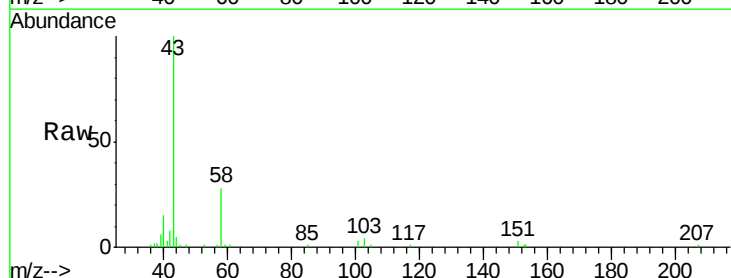
RT: 4.16 min Scan# 380

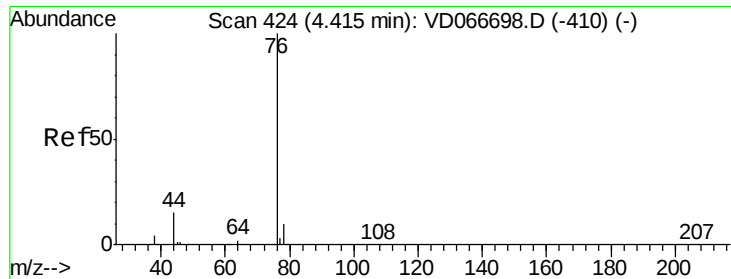
Delta R.T. -0.00 min

Lab File: VD066782.D

Acq: 21 Sep 2020 14:59

Tgt Ion:	43	Resp:	75404
Ion Ratio	Lower	Upper	
43	100		
58	28.3	21.9	32.9





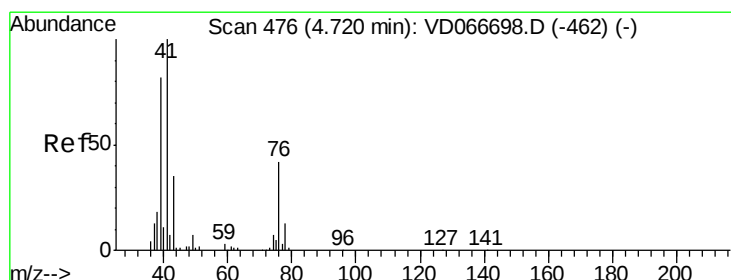
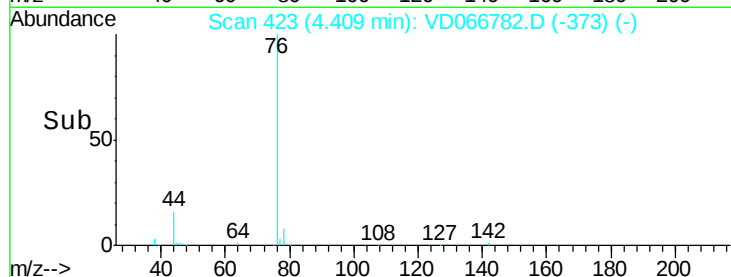
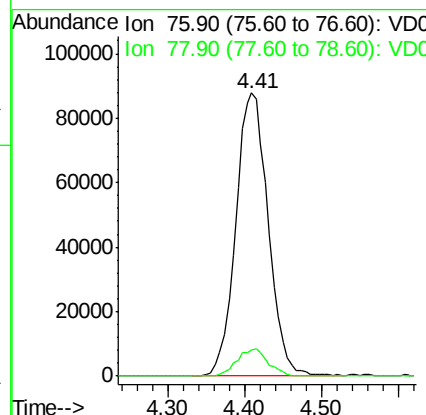
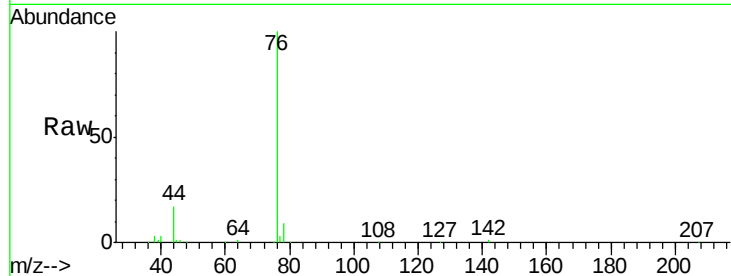
#17
Carbon Disulfide
Concen: 19.733 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.01 min
Lab File: VD066782.D
Acq: 21 Sep 2020 14:59

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	Ratio	Resp	Lower	Upper
76	100	258238		
78	9.1		8.0	12.0

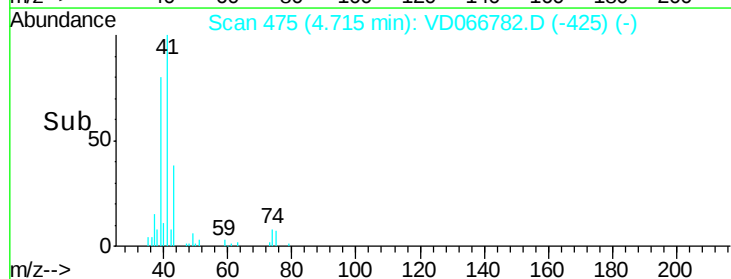
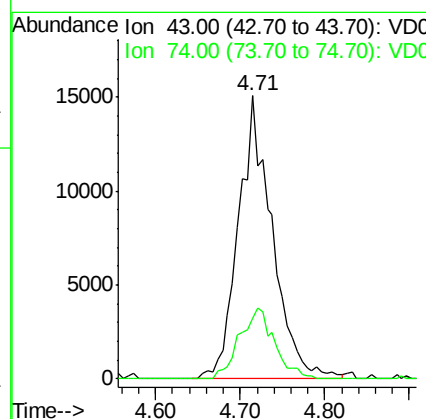
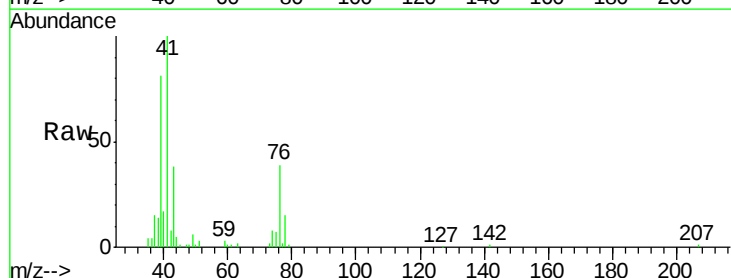
Manual Integrations
APPROVED

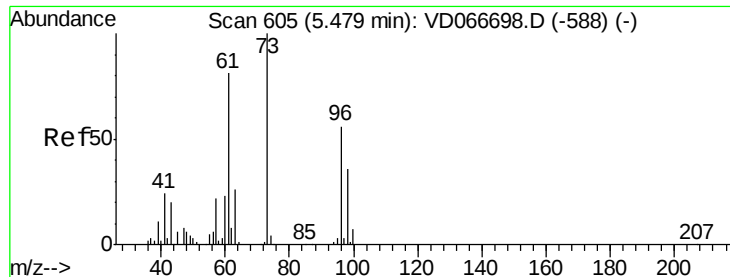
MMDadoda
9/22/2020 2:09:47 PM



#18
Methyl Acetate
Concen: 19.335 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD066782.D
Acq: 21 Sep 2020 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	41587		
74	25.8		18.6	28.0





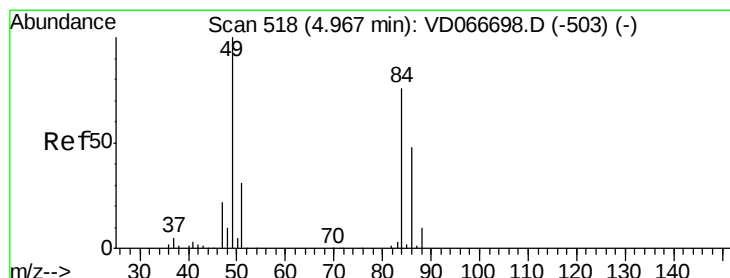
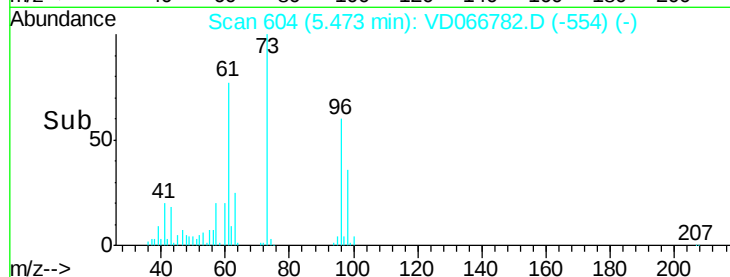
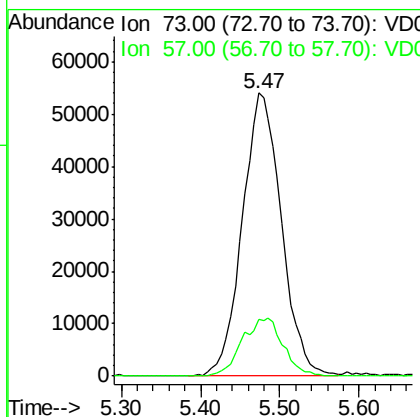
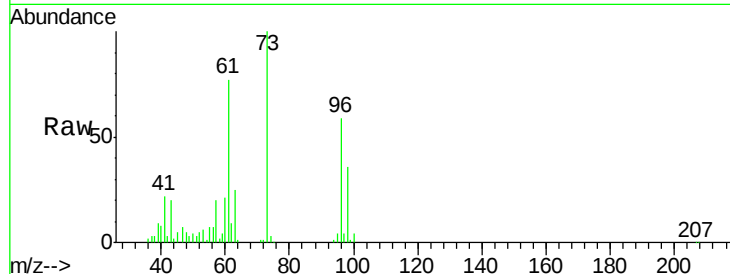
#19
Methvl tert-butvl Ether
Concen: 19.928 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD066782.D
Acq: 21 Sep 2020 14:59

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.2	17.8	26.6

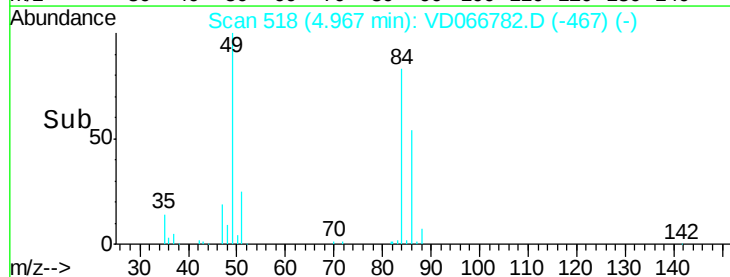
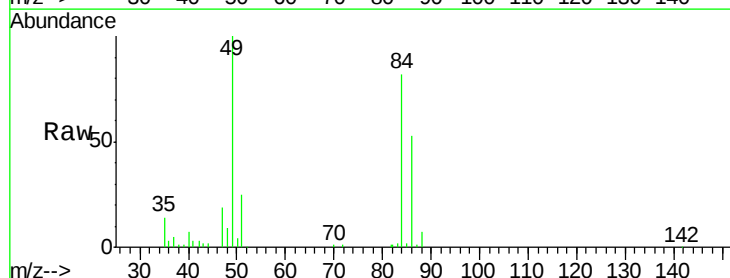
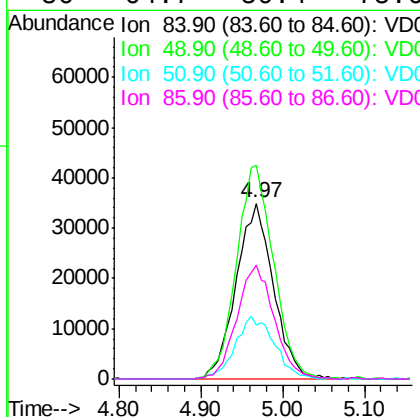
Manual Integrations
APPROVED

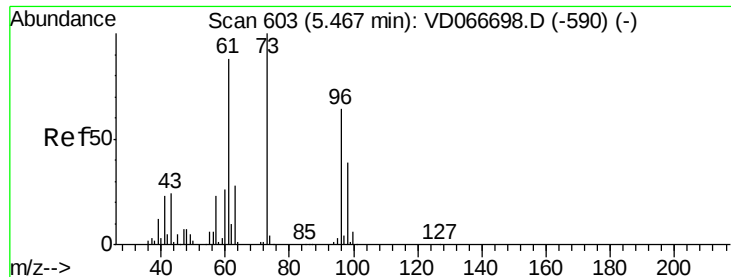
MMDadoda
9/22/2020 2:09:47 PM



#20
Methylene Chloride
Concen: 17.991 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066782.D
Acq: 21 Sep 2020 14:59

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.5	105.0	157.6
51	30.5	32.2	48.4
86	64.7	50.4	75.6





#21

trans-1,2-Dichloroethene

Concen: 19.698 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD066782.D

Acq: 21 Sep 2020 14:59

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion: 96 Resp: 95575

Ion Ratio Lower Upper

96 100

61 130.0 110.6 166.0

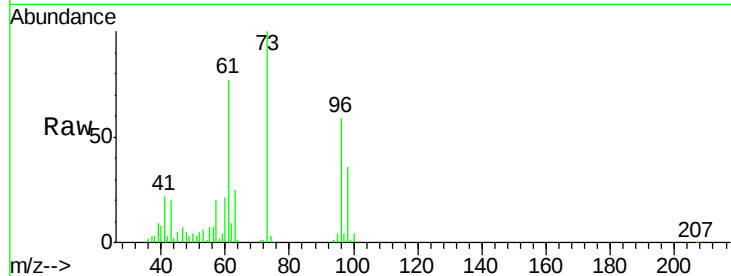
98 60.7 49.2 73.8

Manual Integrations

APPROVED

MMDadoda

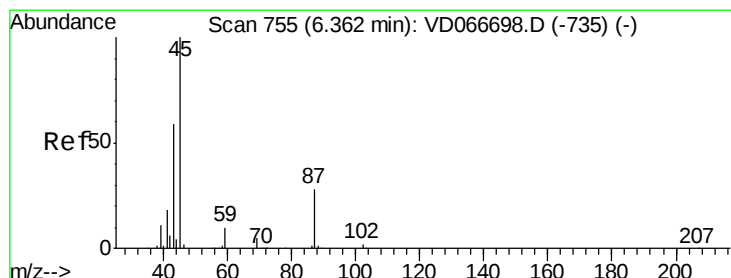
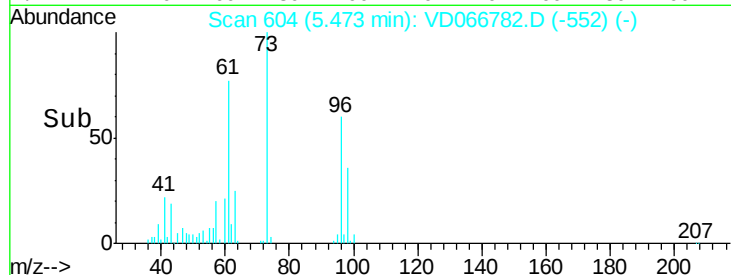
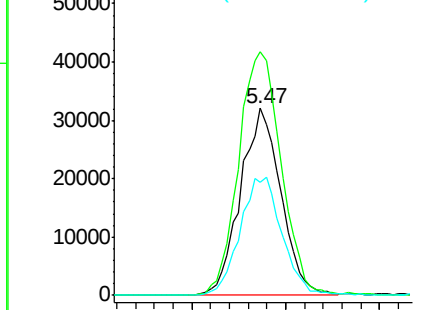
9/22/2020 2:09:47 PM



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: 19.334 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.00 min

Lab File: VD066782.D

Acq: 21 Sep 2020 14:59

Tgt Ion: 45 Resp: 262744

Ion Ratio Lower Upper

45 100

43 55.4 46.9 70.3

87 26.0 22.4 33.6

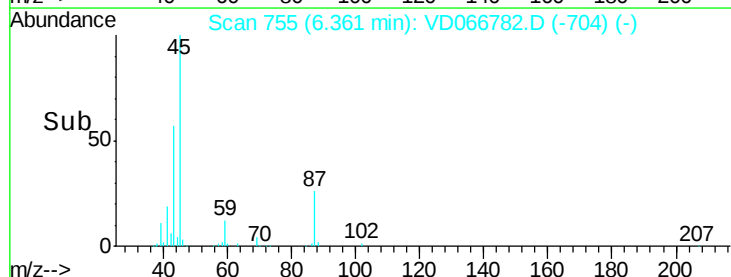
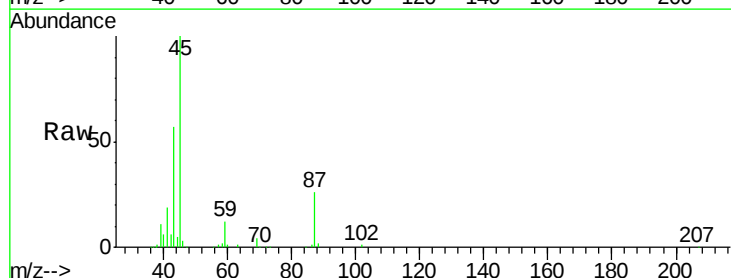
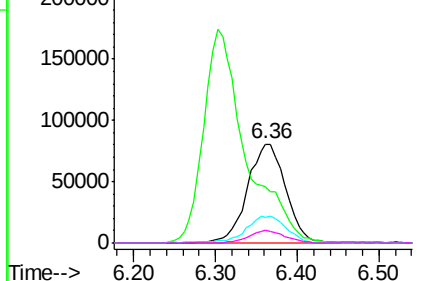
59 12.2 8.5 12.7

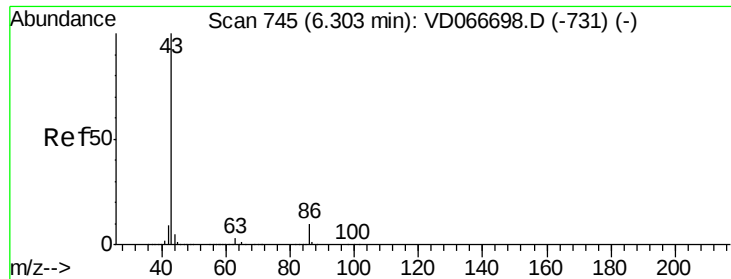
Abundance Ion 45.00 (44.70 to 45.70): VDC

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: 82.834 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD066782.D

Acq: 21 Sep 2020 14:59

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion: 43 Resp: 626164

Ion Ratio Lower Upper

43 100

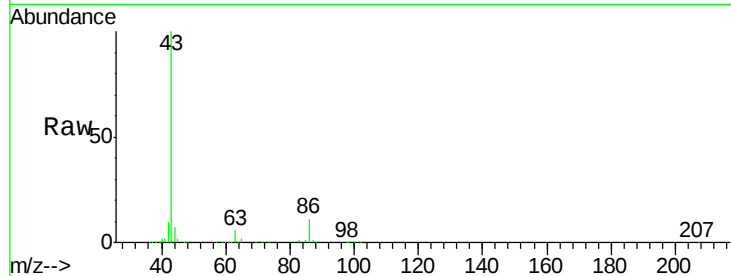
86 10.9 7.8 11.8

Manual Integrations

APPROVED

MMDadoda

9/22/2020 2:09:47 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

200000

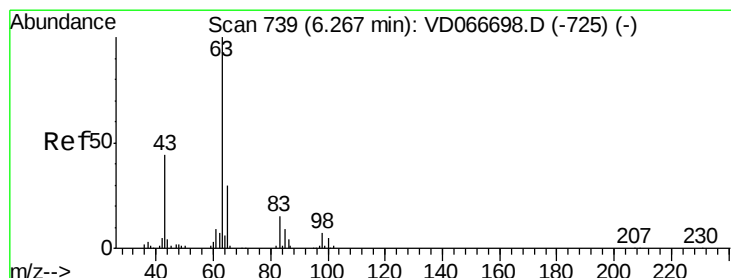
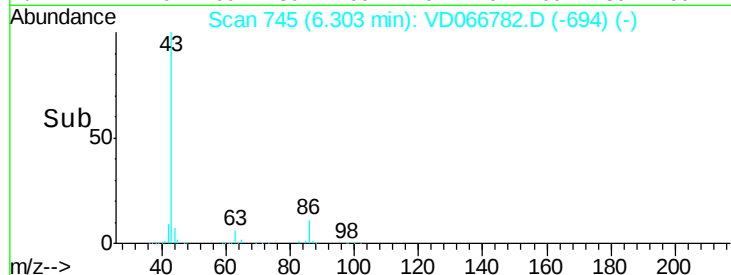
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.523 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD066782.D

Acq: 21 Sep 2020 14:59

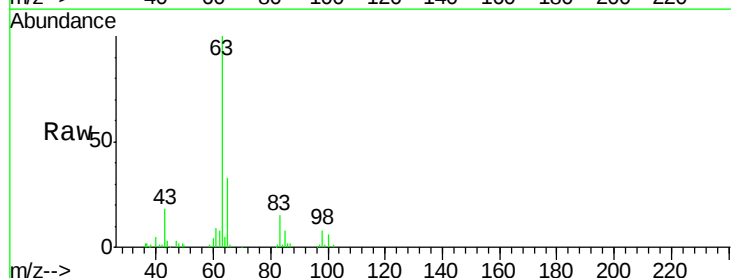
Tgt Ion: 63 Resp: 168364

Ion Ratio Lower Upper

63 100

98 7.7 3.4 10.2

100 5.8 2.6 8.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

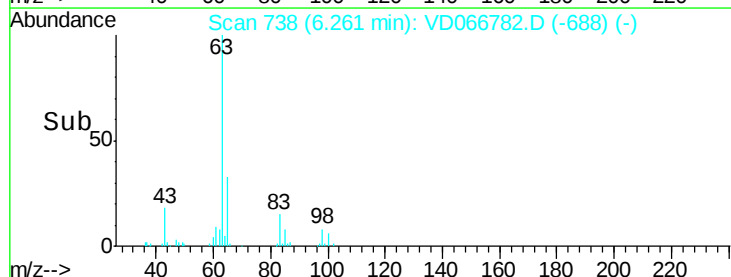
60000

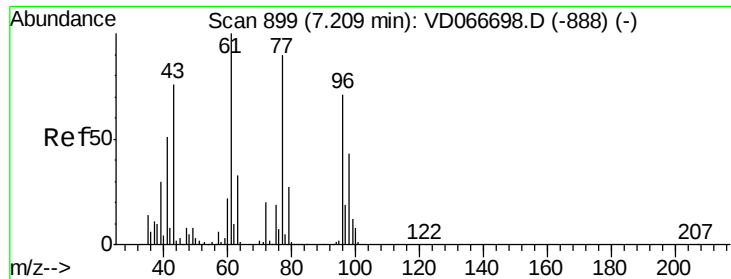
40000

20000

0

Time-->





#25

2-Butanone

Concen: 84.933 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066782.D

Acq: 21 Sep 2020 14:59

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion: 43 Resp: 100010

Ion Ratio Lower Upper

43 100

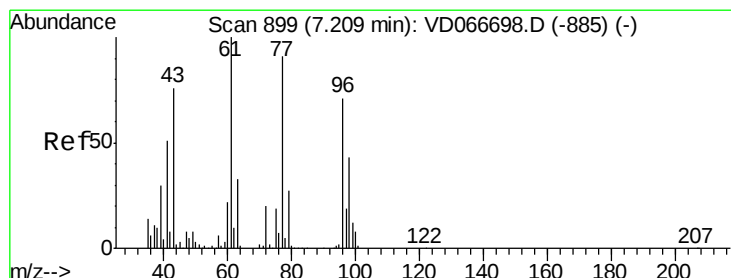
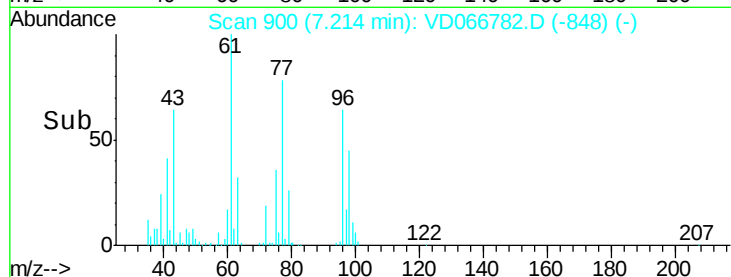
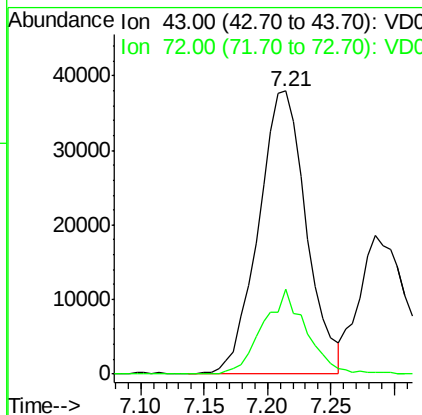
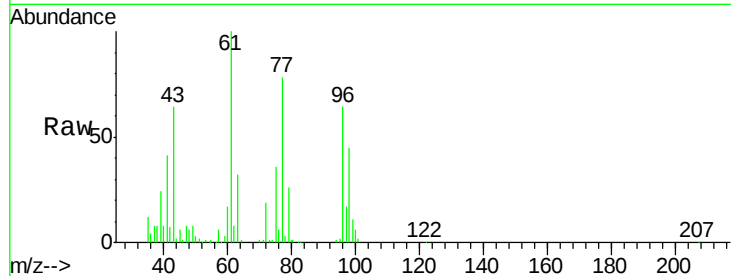
72 30.0 21.0 31.4

Manual Integrations

APPROVED

MMDadoda

9/22/2020 2:09:47 PM



#26

2,2-Dichloropropane

Concen: 18.398 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066782.D

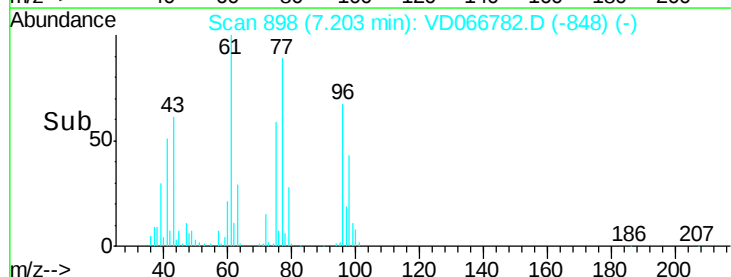
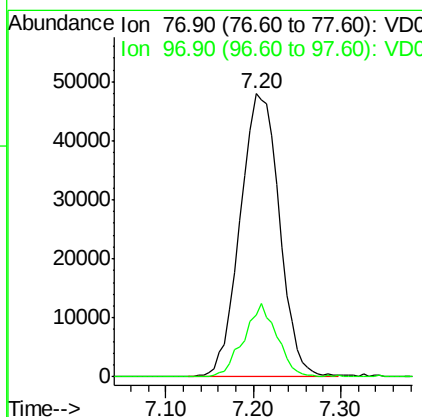
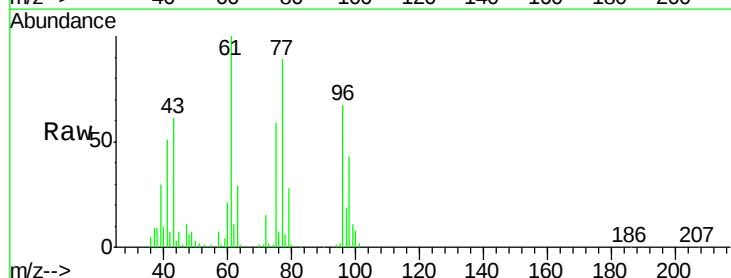
Acq: 21 Sep 2020 14:59

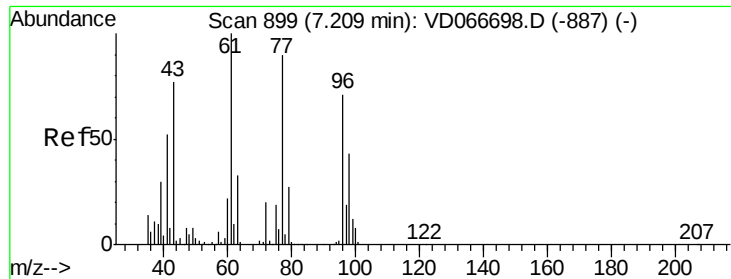
Tgt Ion: 77 Resp: 146712

Ion Ratio Lower Upper

77 100

97 21.9 10.6 31.8





#27

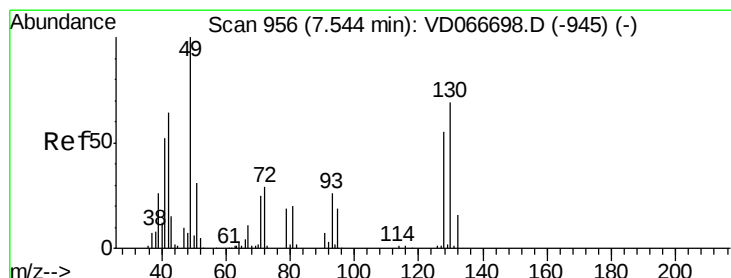
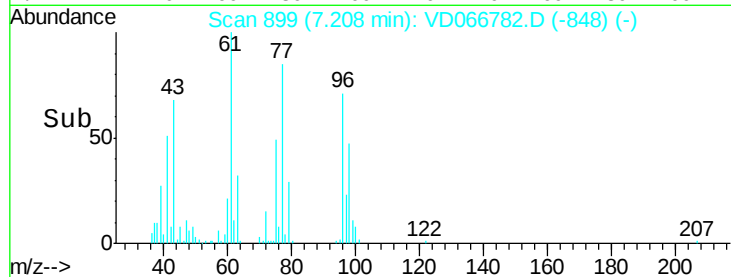
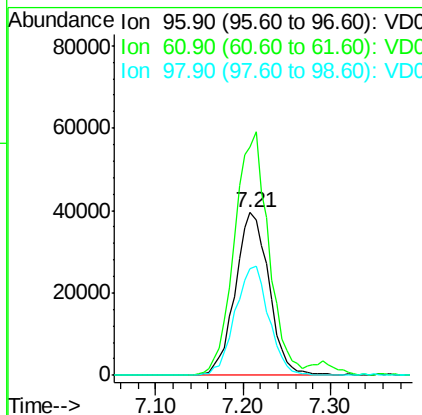
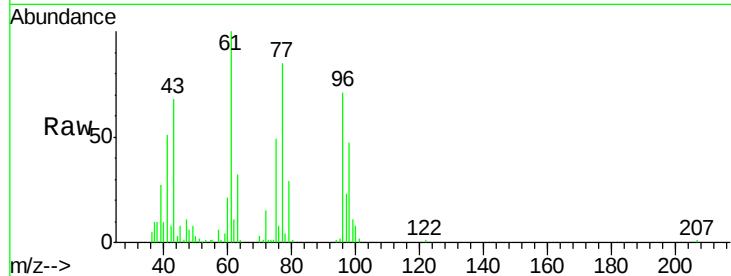
cis-1,2-Dichloroethene
 Concen: 19.407 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD066782.D
 Acq: 21 Sep 2020 14:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	103014		
61	151.6	0.0	292.4	
98	67.3	0.0	127.0	

Manual Integrations
 APPROVED

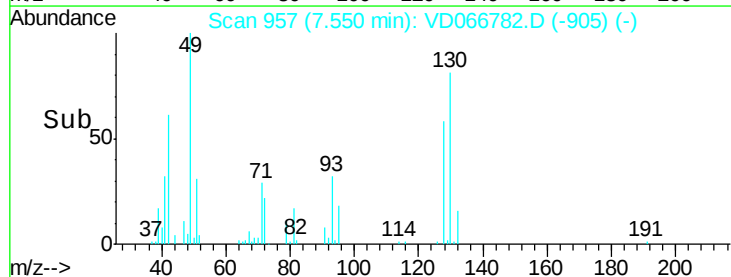
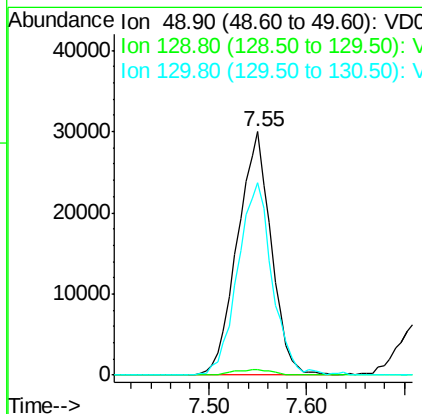
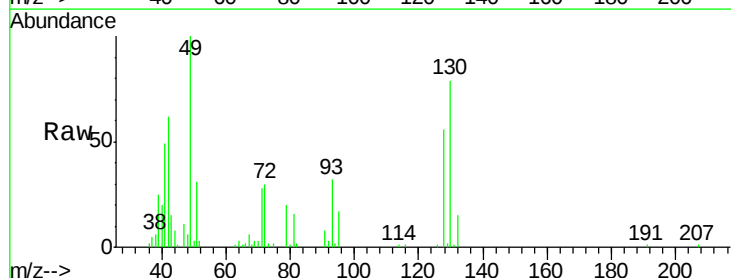
MMDadoda
 9/22/2020 2:09:47 PM

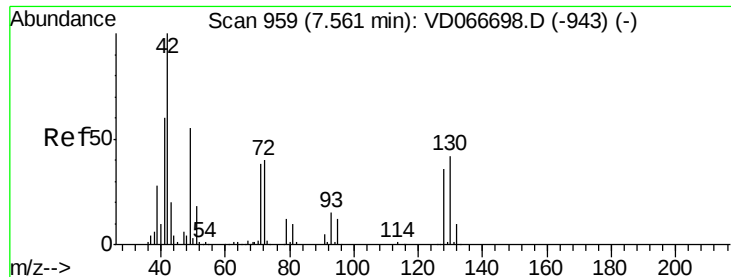


#28

Bromochloromethane
 Concen: 22.397 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.01 min
 Lab File: VD066782.D
 Acq: 21 Sep 2020 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	72142		
129	2.3	0.0	3.8	
130	80.4	58.6	88.0	





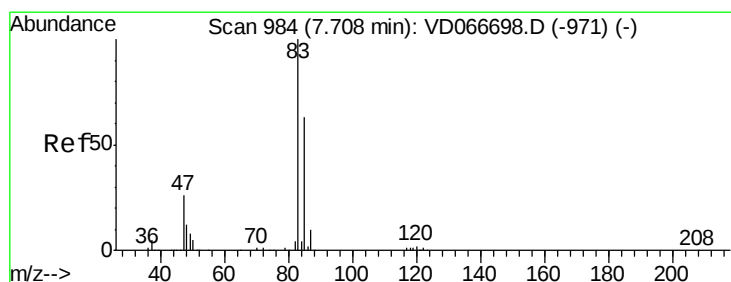
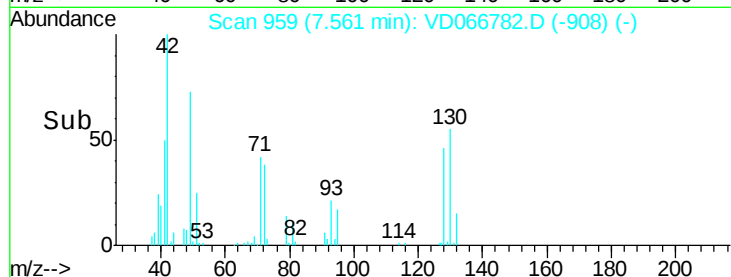
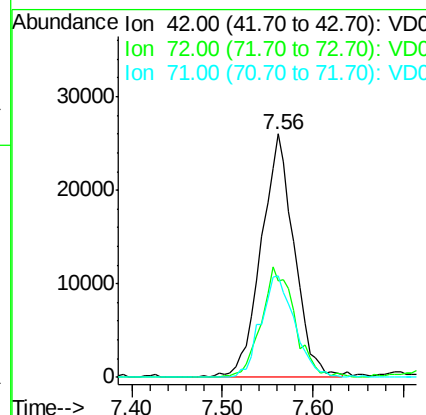
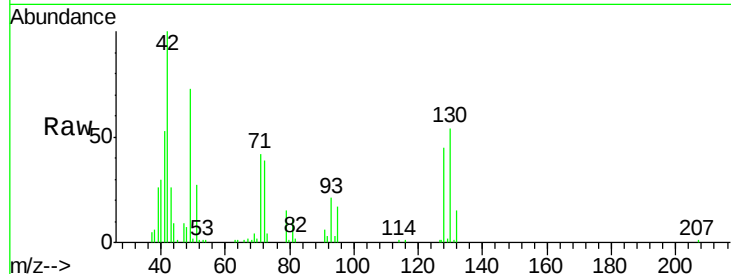
#29
Tetrahydrofuran
Concen: 91.076 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.00 min
Lab File: VD066782.D
Acq: 21 Sep 2020 14:59

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.6	32.6	48.8
71	42.8	30.6	45.8

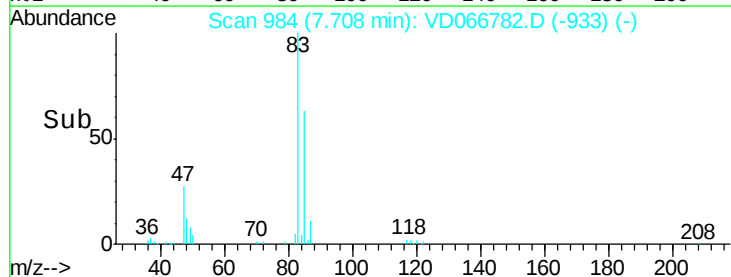
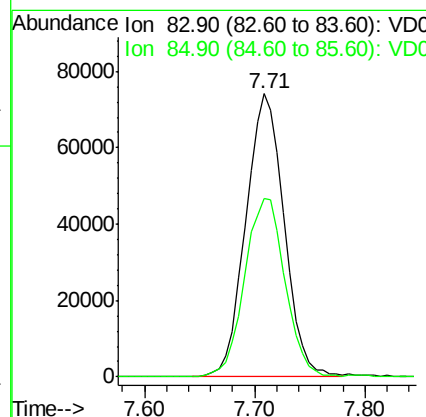
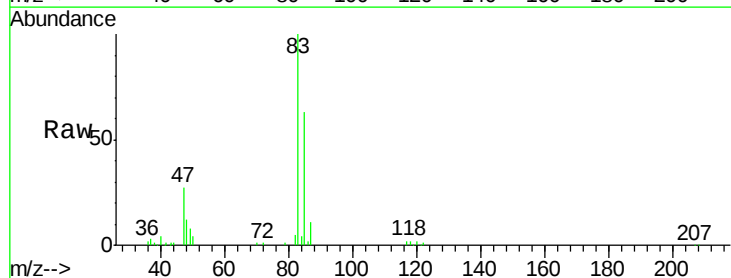
Manual Integrations
APPROVED

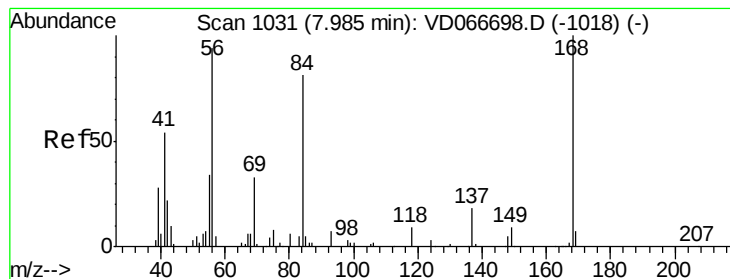
MMDadoda
9/22/2020 2:09:47 PM



#30
Chloroform
Concen: 19.692 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.00 min
Lab File: VD066782.D
Acq: 21 Sep 2020 14:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.6	76.0





#31

Cyclohexane

Concen: 18.509 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066782.D

Acq: 21 Sep 2020 14:59

Instrument :

MSVOA_D

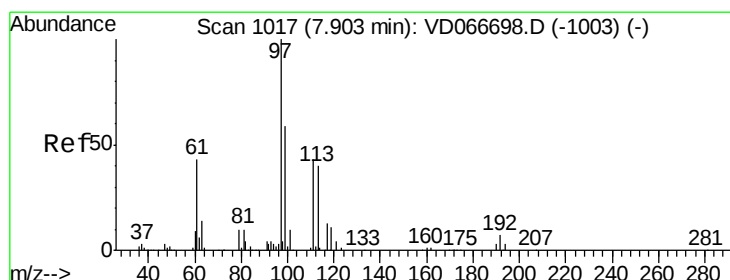
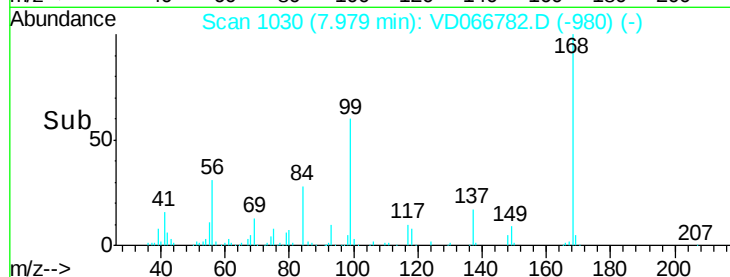
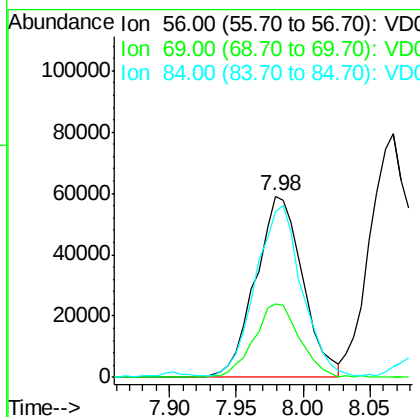
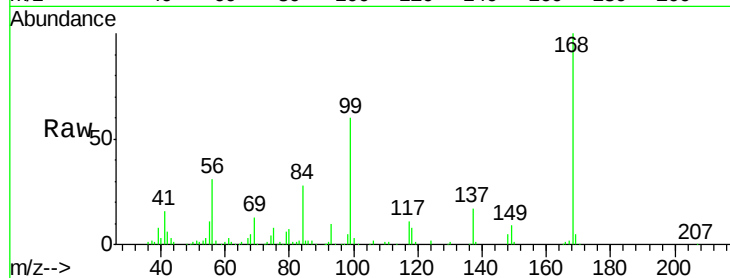
ClientSampleId :

VD0921SBS01

Tot Ion:	56	Resp:	145184
Ion Ratio		Lower	Upper
56	100		
69	40.6	27.7	41.5
84	89.8	68.5	102.7

Manual Integrations
APPROVED

MMDadoda
9/22/2020 2:09:47 PM



#32

1,1,1-Trichloroethane

Concen: 18.960 ug/l

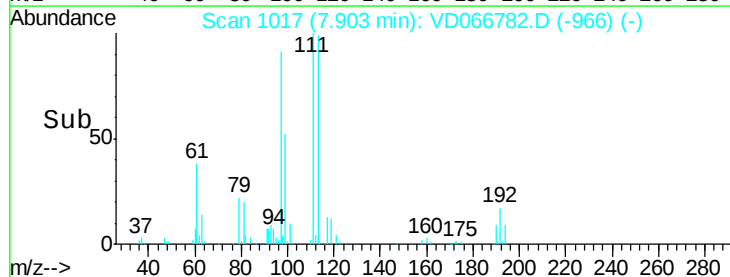
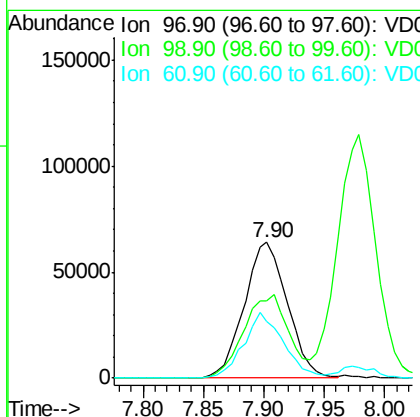
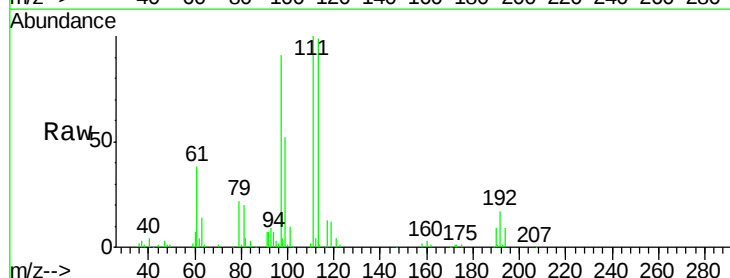
RT: 7.90 min Scan# 1017

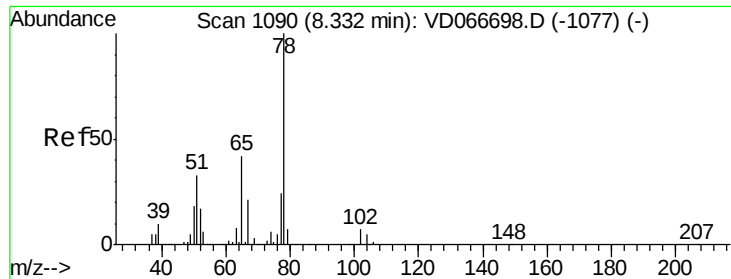
Delta R.T. -0.00 min

Lab File: VD066782.D

Acq: 21 Sep 2020 14:59

Tgt Ion:	97	Resp:	159240
Ion Ratio		Lower	Upper
97	100		
99	65.0	51.0	76.4
61	44.6	35.2	52.8





#33

1,2-Dichloroethane-d4

Concen: 48.602 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD066782.D

Acq: 21 Sep 2020 14:59

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion: 65 Resp: 215825

Ion Ratio Lower Upper

65 100

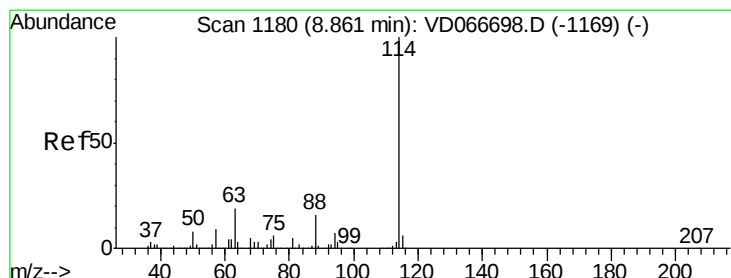
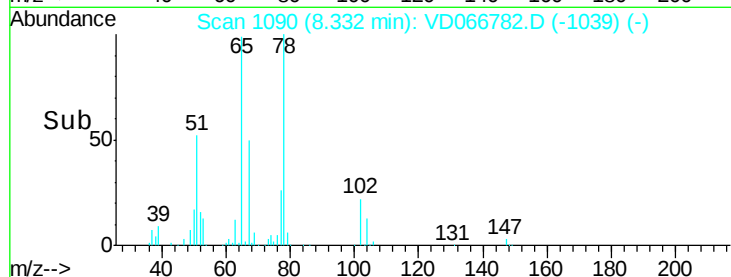
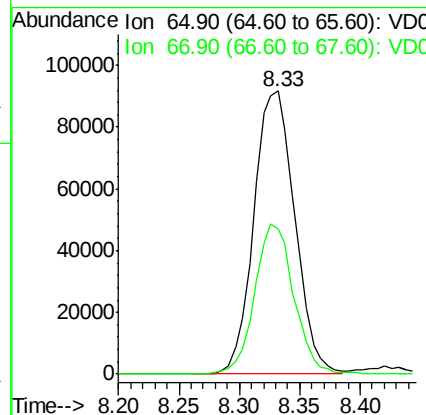
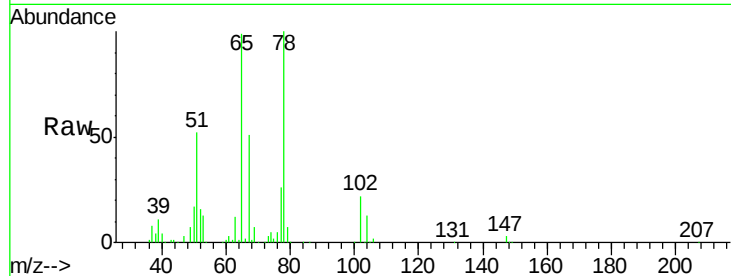
67 50.7 0.0 102.2

Manual Integrations

APPROVED

MMDadoda

9/22/2020 2:09:47 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066782.D

Acq: 21 Sep 2020 14:59

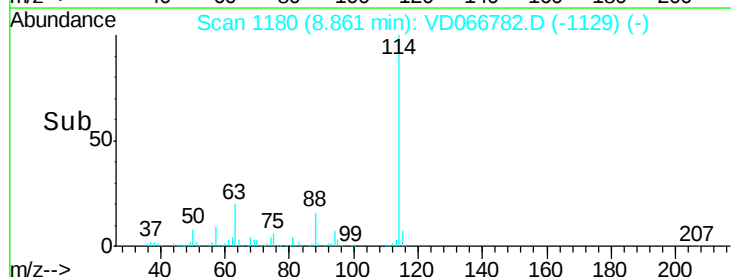
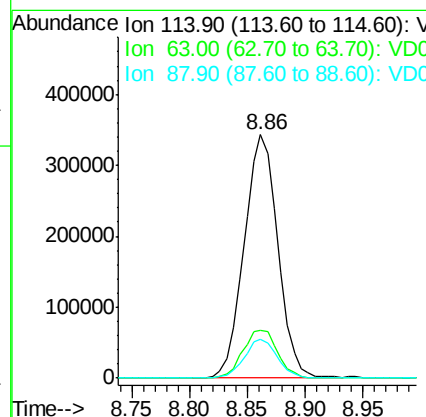
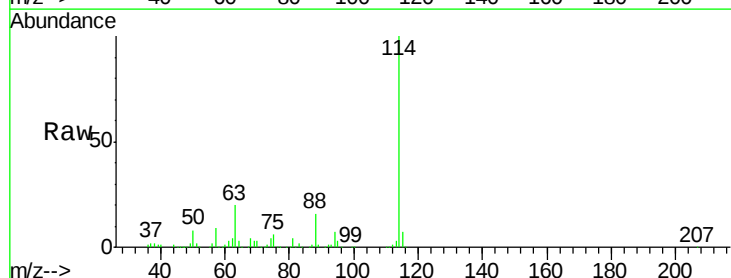
Tgt Ion: 114 Resp: 695002

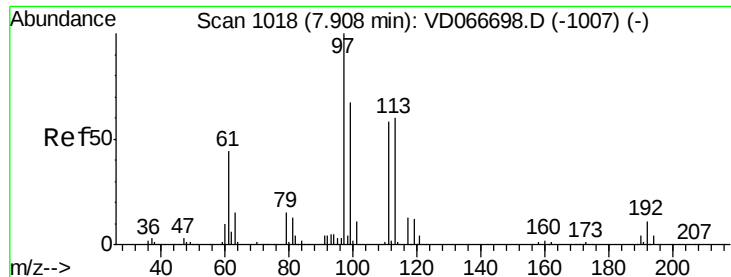
Ion Ratio Lower Upper

114 100

63 19.6 0.0 37.6

88 15.7 0.0 32.2





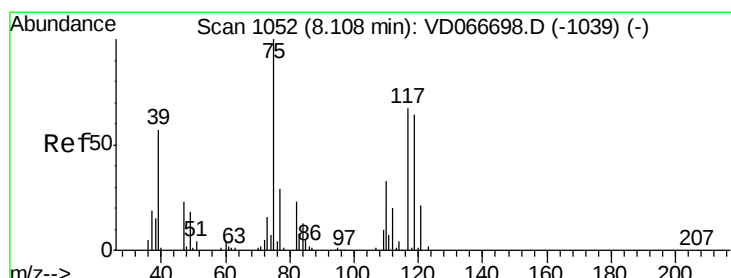
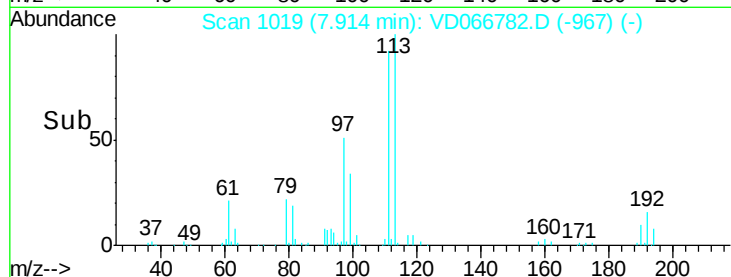
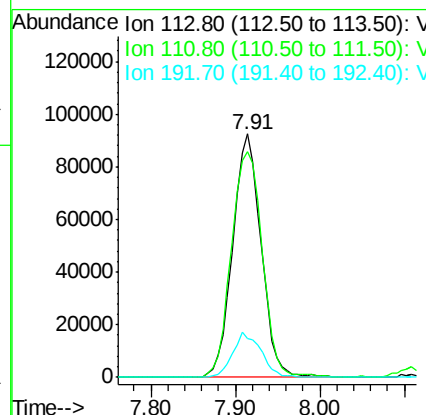
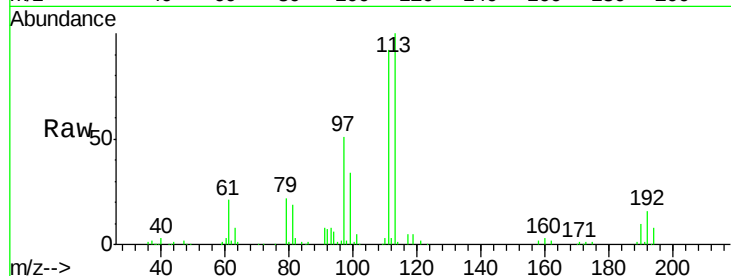
#35
 Dibromofluoromethane
 Concen: 50.146 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066782.D
 Acq: 21 Sep 2020 14:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	213673		
111	101.7	83.2	124.8	
192	18.4	14.8	22.2	

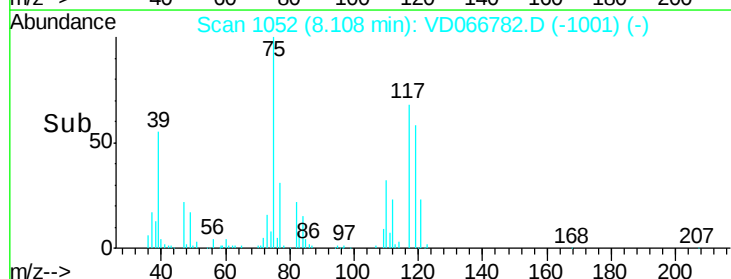
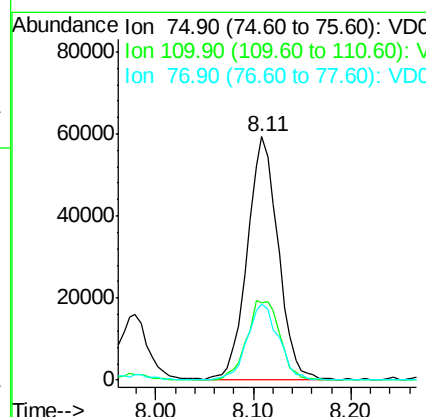
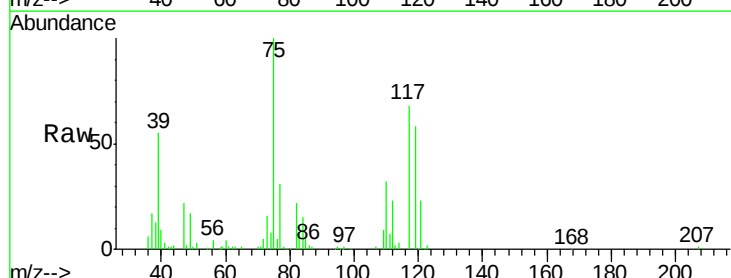
Manual Integrations
 APPROVED

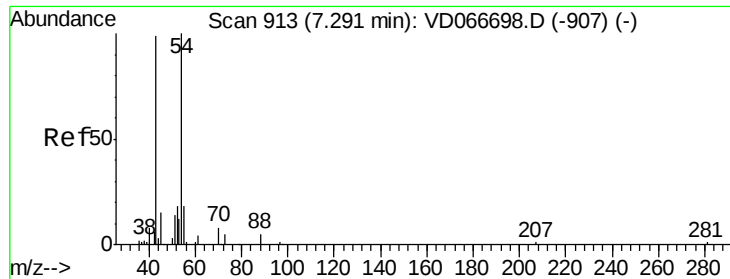
MMDadoda
 9/22/2020 2:09:47 PM



#36
 1,1-Dichloropropene
 Concen: 18.243 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VD066782.D
 Acq: 21 Sep 2020 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	130360		
110	35.1	17.1	51.2	
77	32.0	25.0	37.6	





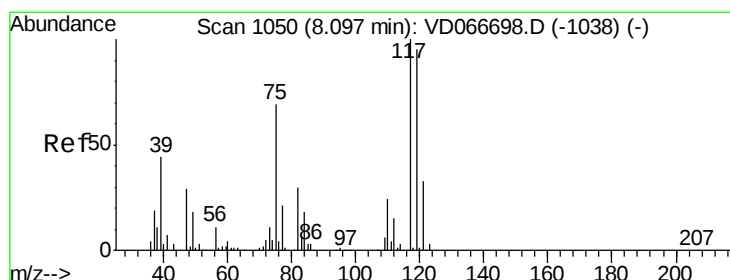
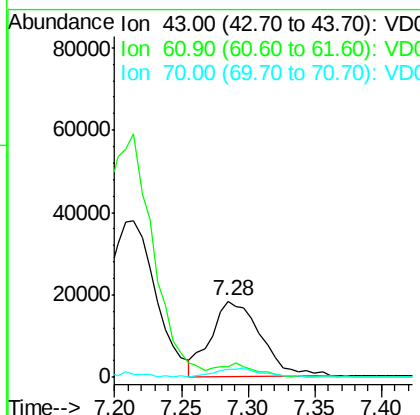
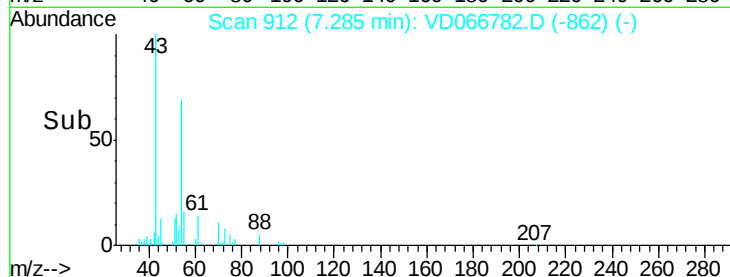
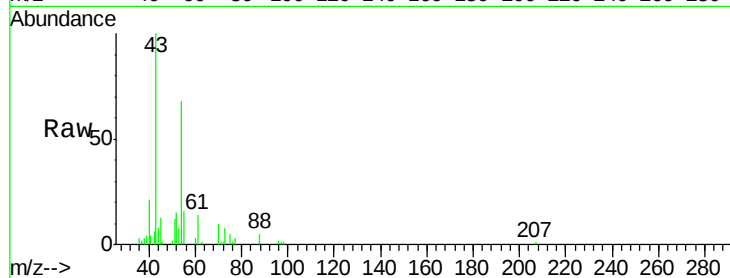
#37
Ethyl Acetate
Concen: 17.296 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066782.D
Acq: 21 Sep 2020 14:59

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.4	15.6
70	12.2	7.5	11.3

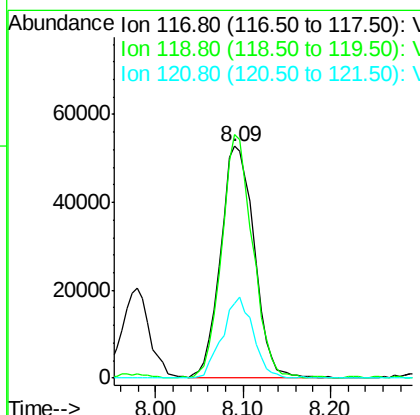
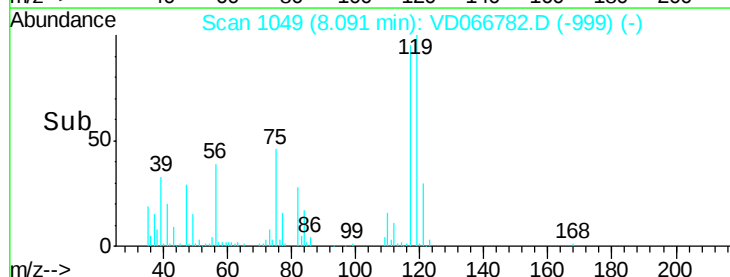
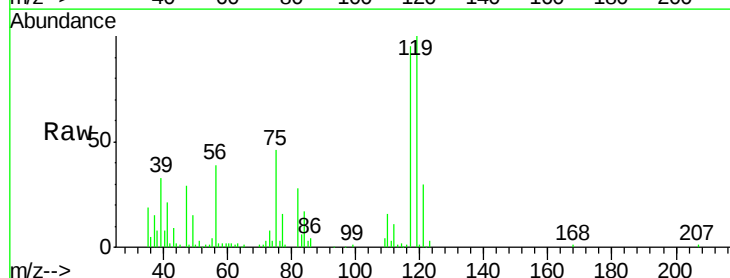
Manual Integrations
APPROVED

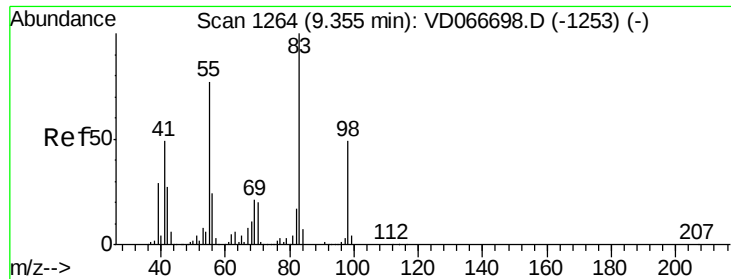
MMDadoda
9/22/2020 2:09:47 PM



#38
Carbon Tetrachloride
Concen: 18.395 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD066782.D
Acq: 21 Sep 2020 14:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	105.0	75.8	113.6
121	32.0	26.2	39.4





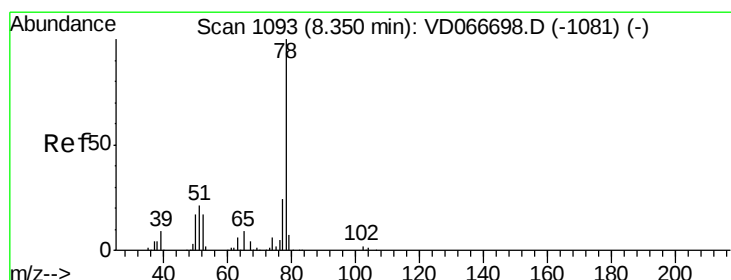
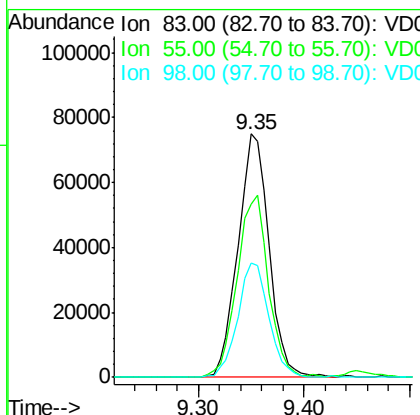
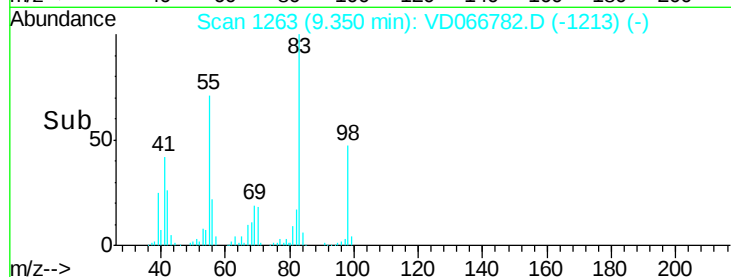
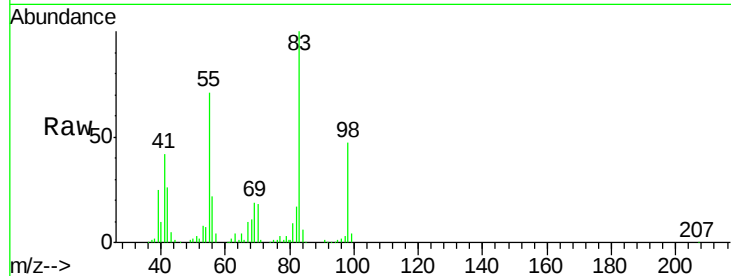
#39
Methvlcvclohexane
Concen: 18.756 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD066782.D
Acq: 21 Sep 2020 14:59

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.2	61.5	92.3
98	46.8	39.3	58.9

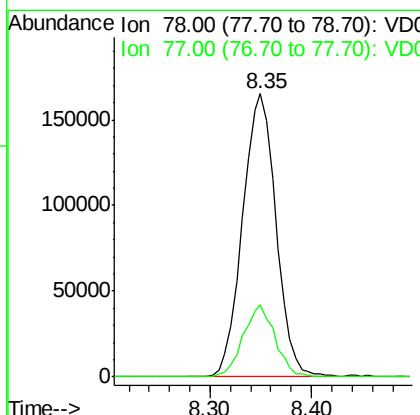
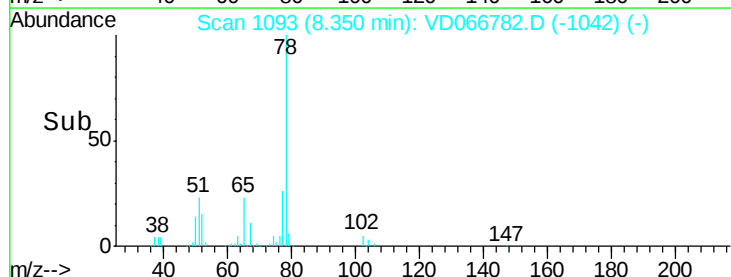
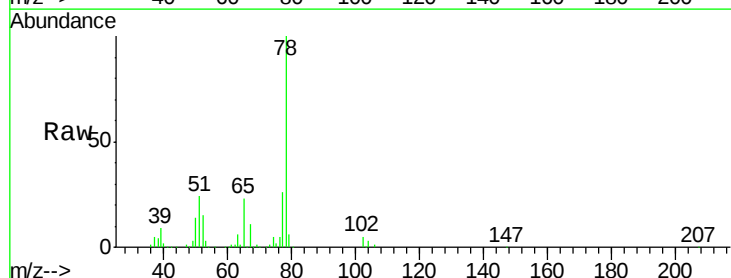
Manual Integrations
APPROVED

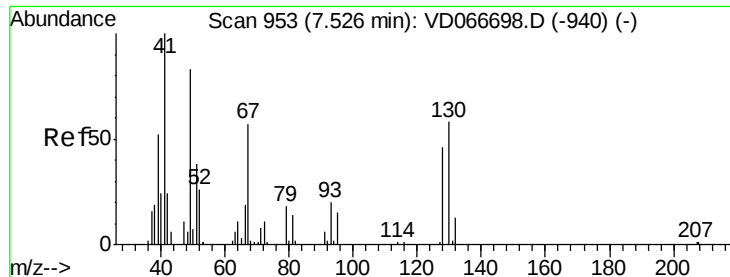
MMDadoda
9/22/2020 2:09:47 PM



#40
Benzene
Concen: 19.587 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD066782.D
Acq: 21 Sep 2020 14:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.5	19.3	28.9





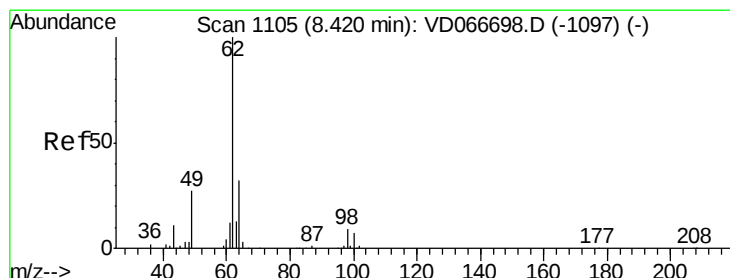
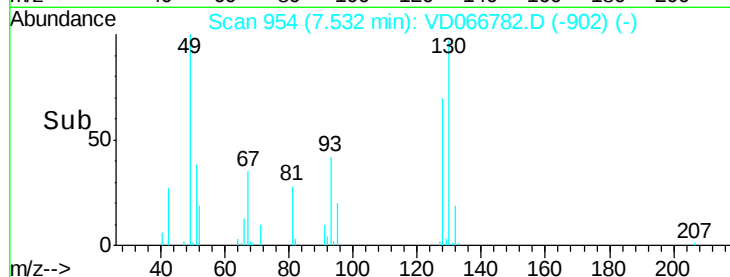
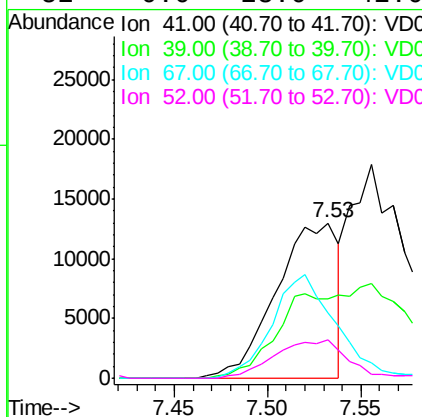
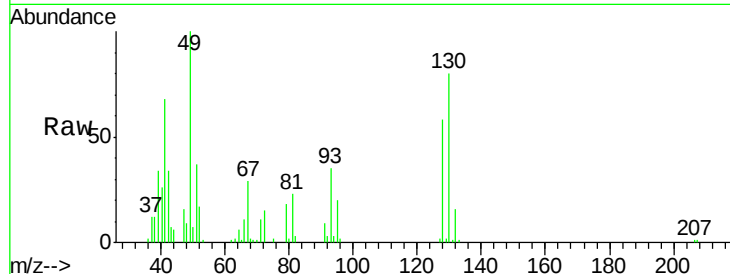
#41
Methacrylonitrile
Concen: 21.076 ug/l m
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD066782.D
Acq: 21 Sep 2020 14:59

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	59.3	88.9#
67	0.0	62.3	93.5#
52	0.0	28.0	42.0#

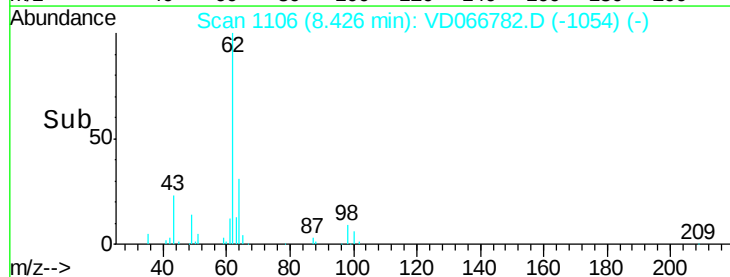
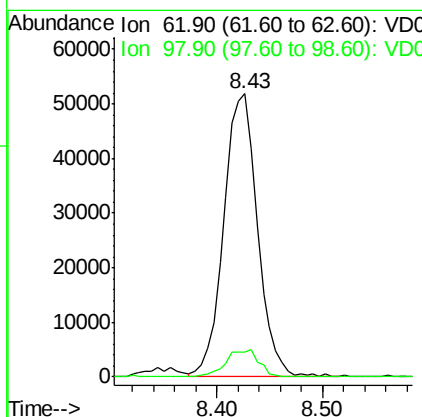
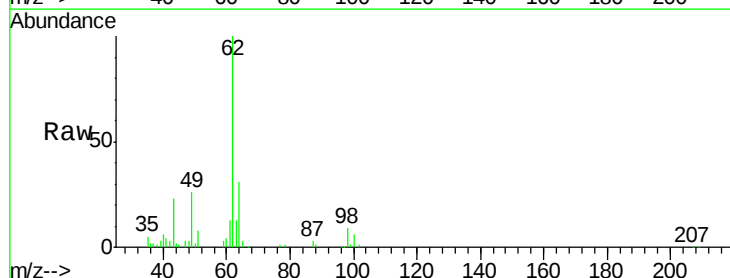
Manual Integrations
APPROVED

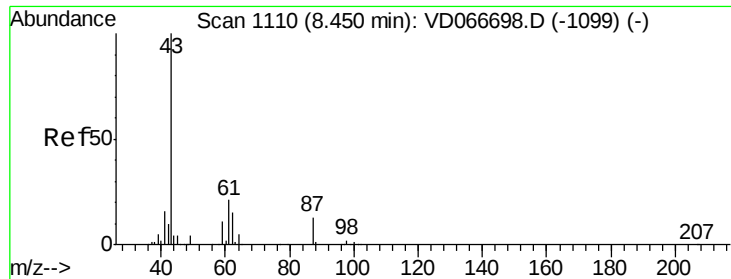
MMDadoda
9/22/2020 2:09:47 PM



#42
1,2-Dichloroethane
Concen: 19.047 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.01 min
Lab File: VD066782.D
Acq: 21 Sep 2020 14:59

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	17.6





#43

Isopropyl Acetate

Concen: 18.141 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD066782.D

Acq: 21 Sep 2020 14:59

Instrument :

MSVOA_D

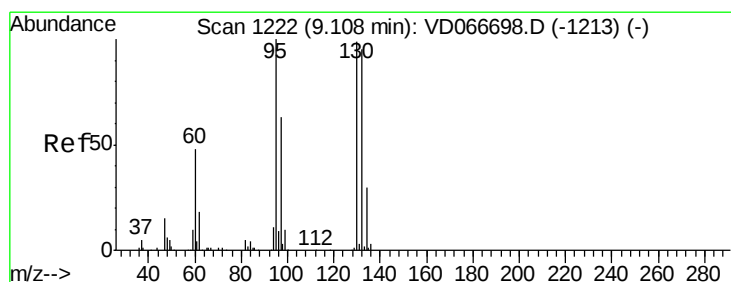
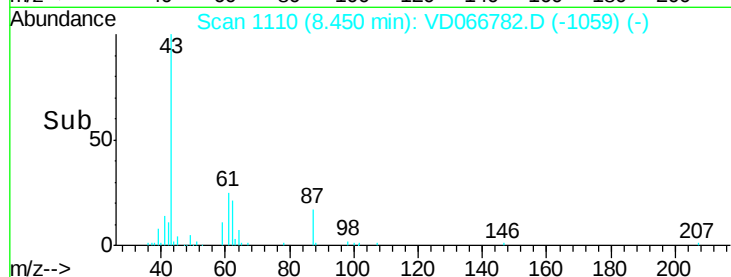
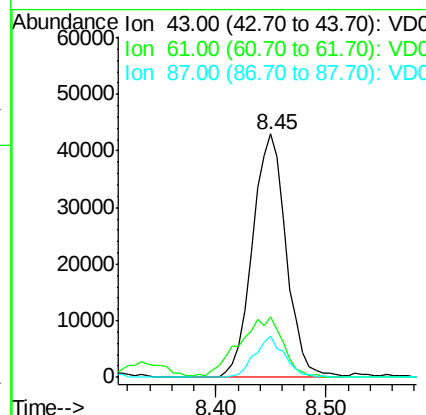
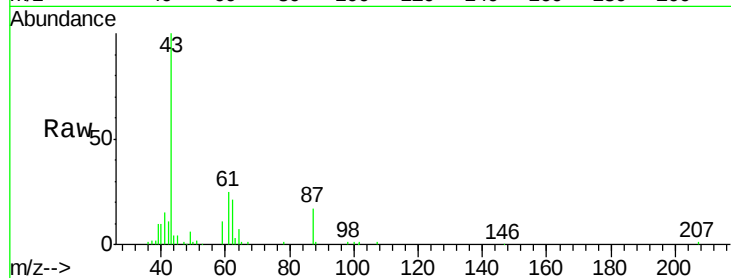
ClientSampleId :

VD0921SBS01

Tot Ion:	43	Resp:	92367
Ion	Ratio	Lower	Upper
43	100		
61	32.4	24.8	37.2
87	15.0	10.4	15.6

Manual Integrations
APPROVED

MMDadoda
9/22/2020 2:09:47 PM



#44

Trichloroethene

Concen: 20.484 ug/l

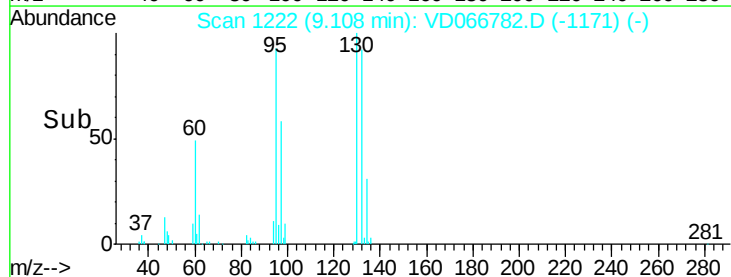
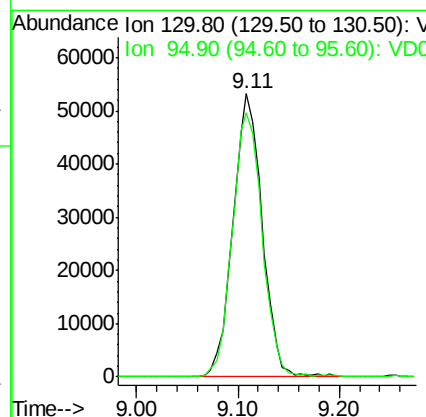
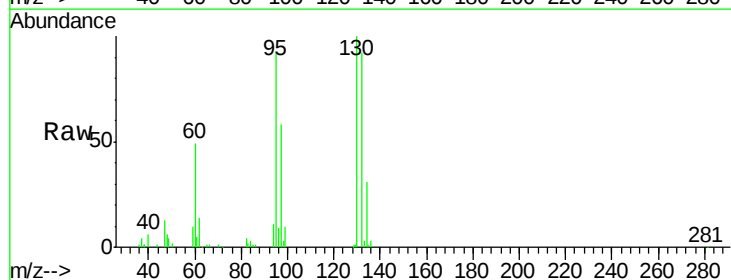
RT: 9.11 min Scan# 1222

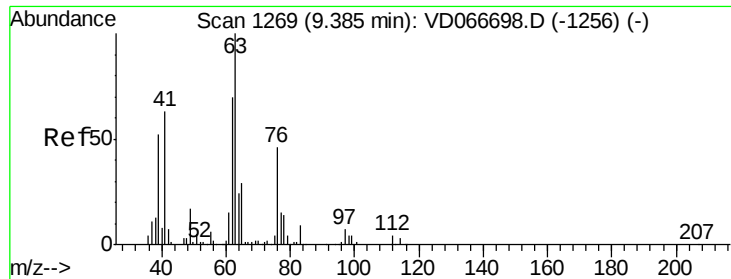
Delta R.T. -0.00 min

Lab File: VD066782.D

Acq: 21 Sep 2020 14:59

Tgt Ion:	130	Resp:	105879
Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	201.4





#45

1,2-Dichloropropane

Concen: 19.797 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VD066782.D

Acq: 21 Sep 2020 14:59

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion: 63 Resp: 94611

Ion Ratio Lower Upper

63 100

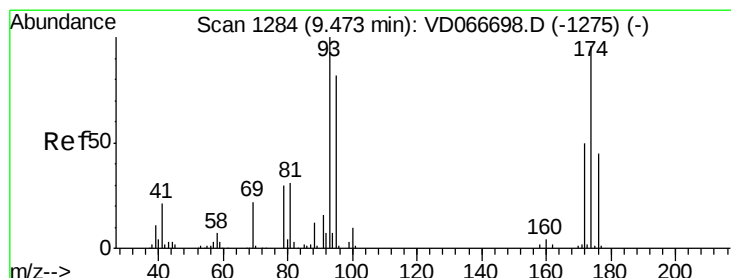
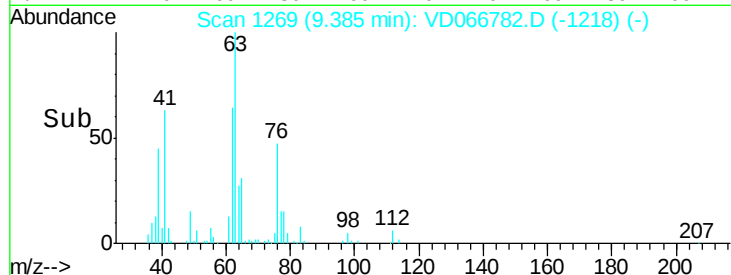
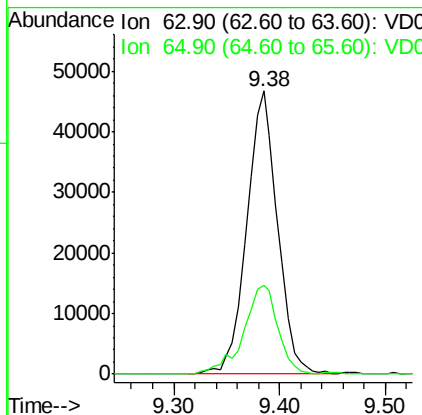
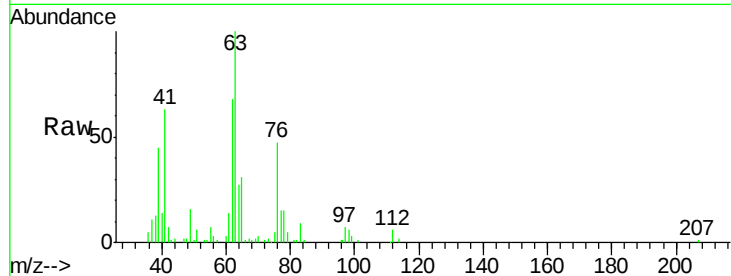
65 31.5 23.4 35.0

Manual Integrations

APPROVED

MMDadoda

9/22/2020 2:09:47 PM



#46

Dibromomethane

Concen: 19.648 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VD066782.D

Acq: 21 Sep 2020 14:59

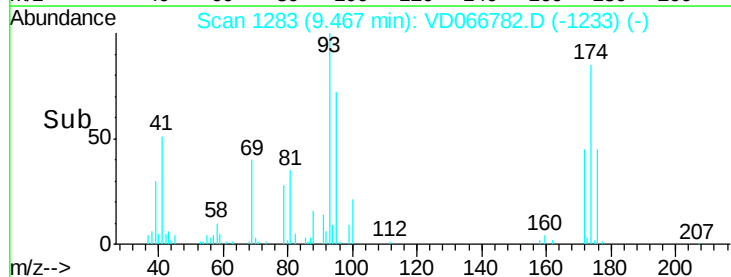
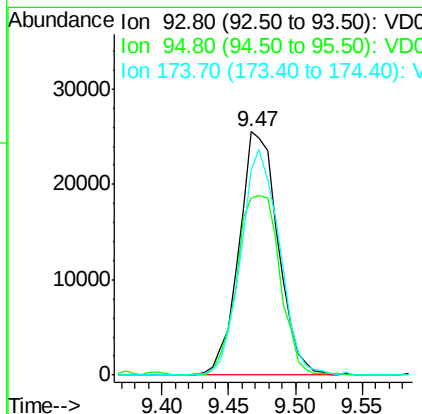
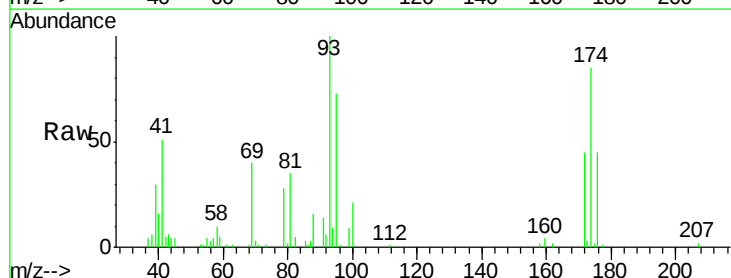
Tgt Ion: 93 Resp: 51600

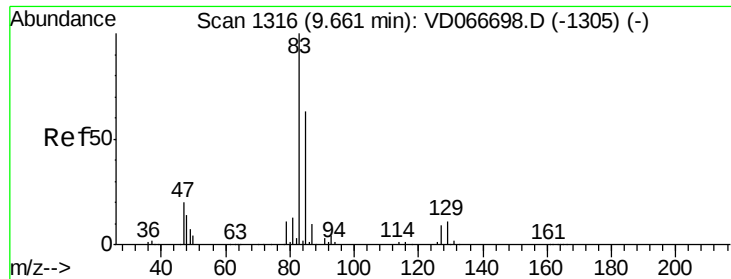
Ion Ratio Lower Upper

93 100

95 81.4 66.0 99.0

174 91.6 72.3 108.5





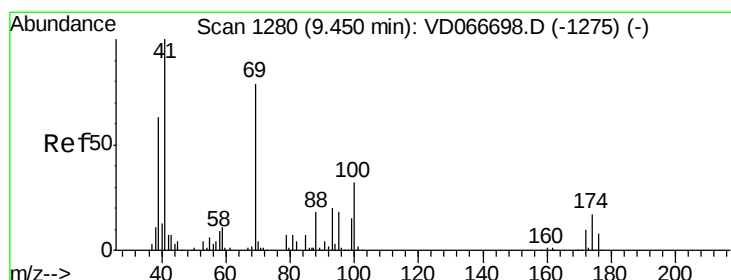
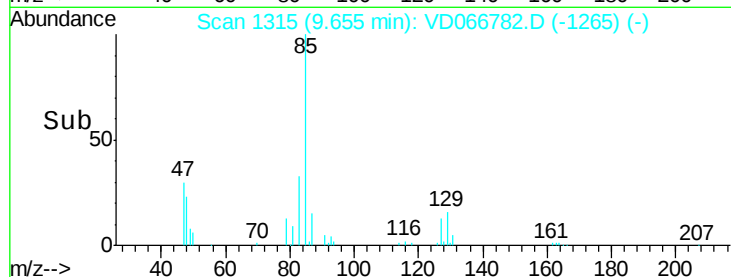
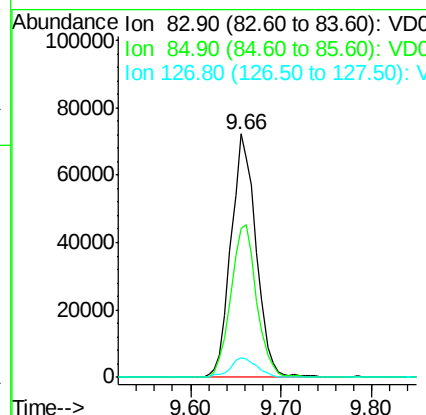
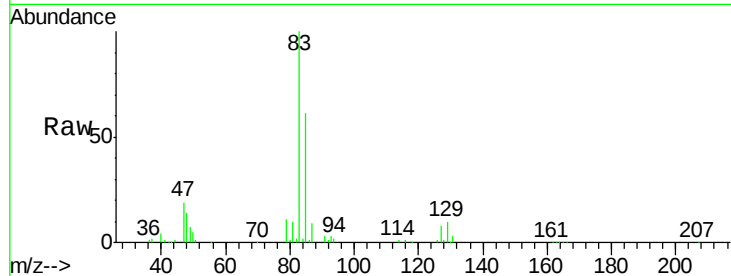
#47
Bromodichloromethane
Concen: 19.429 ug/l
RT: 9.66 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VD066782.D
Acq: 21 Sep 2020 14:59

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	139036		
85	61.1	50.1	75.1	
127	8.1	6.9	10.3	

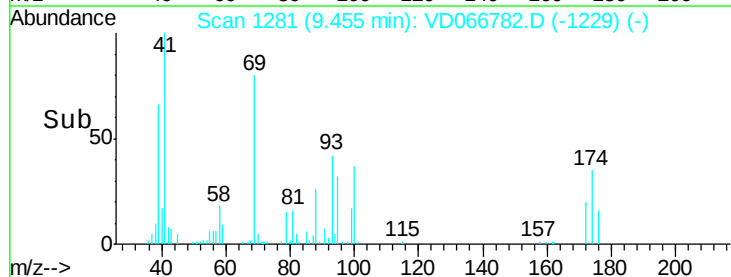
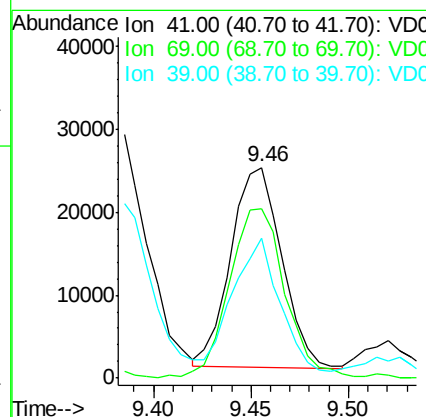
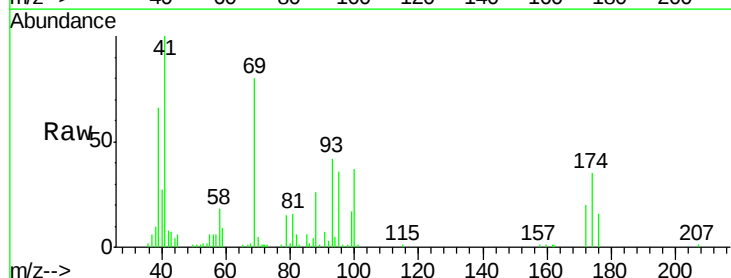
Manual Integrations
APPROVED

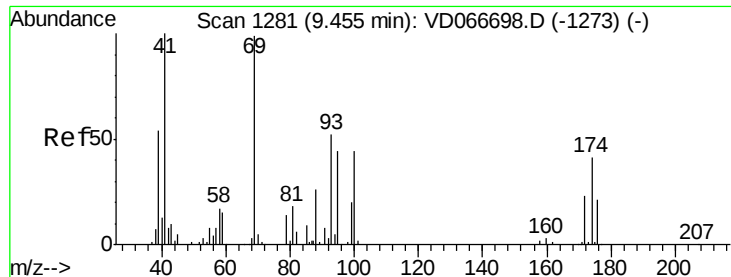
MMDadoda
9/22/2020 2:09:47 PM



#48
Methyl methacrylate
Concen: 16.881 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.01 min
Lab File: VD066782.D
Acq: 21 Sep 2020 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	43720		
69	93.1	62.4	93.6	
39	69.2	44.8	67.2	





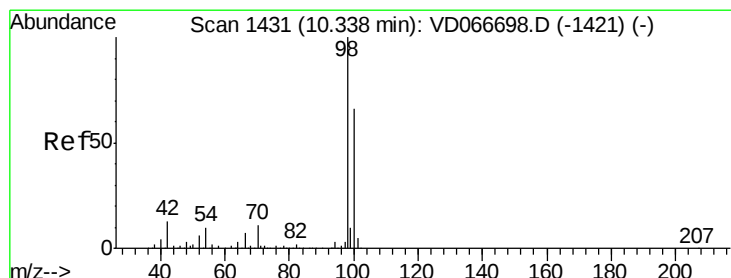
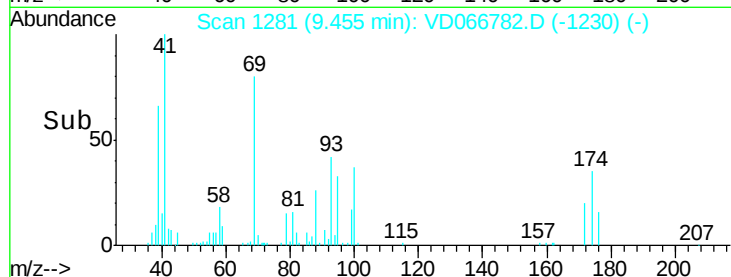
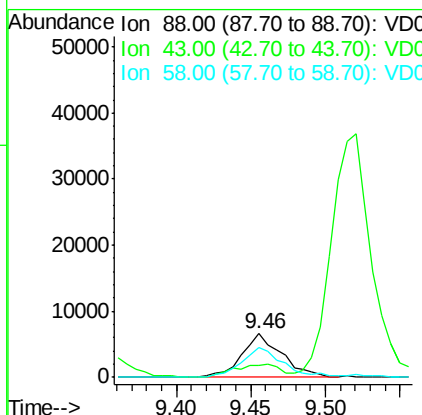
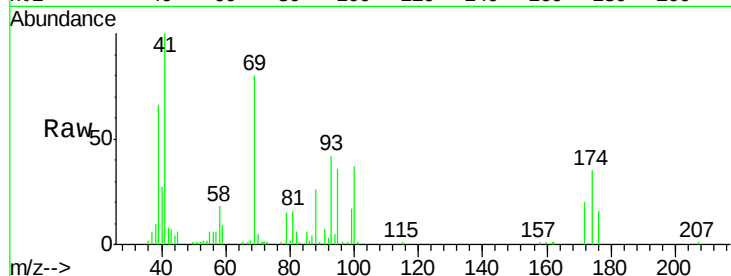
#49
1,4-Dioxane
Concen: 431.902 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VD066782.D
Acq: 21 Sep 2020 14:59

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	36.4	29.3	43.9	
58	72.4	51.4	77.2	

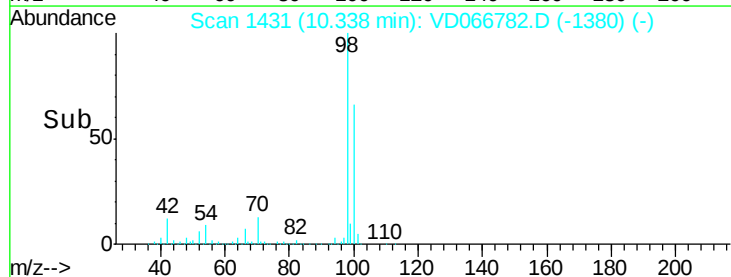
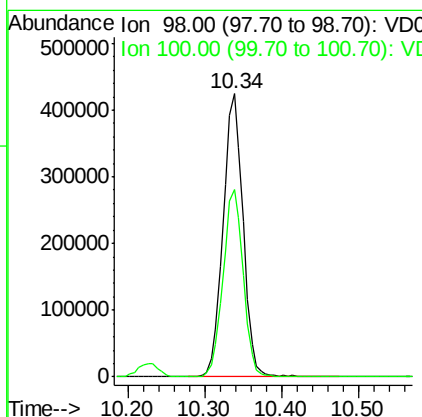
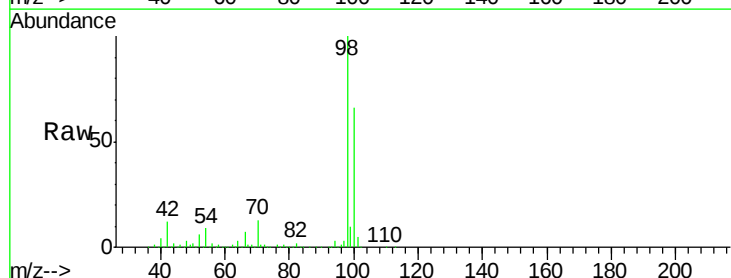
Manual Integrations
APPROVED

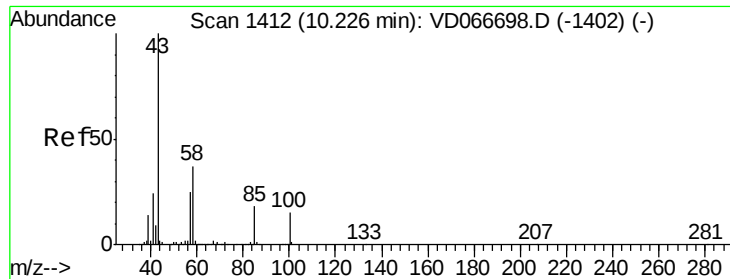
MMDadoda
9/22/2020 2:09:47 PM



#50
Toluene-d8
Concen: 50.351 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066782.D
Acq: 21 Sep 2020 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	66.7	52.7	79.1	





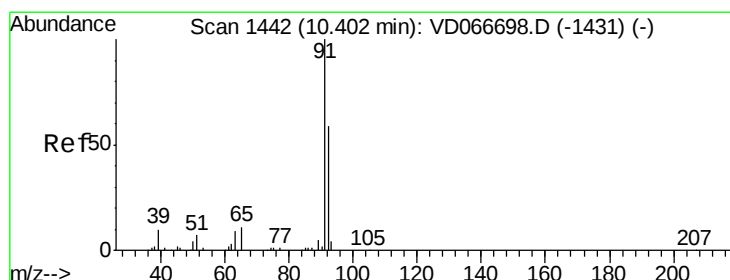
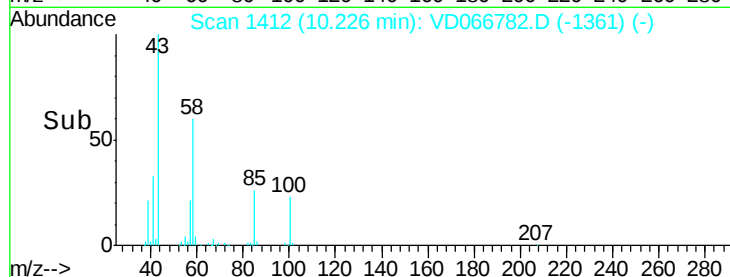
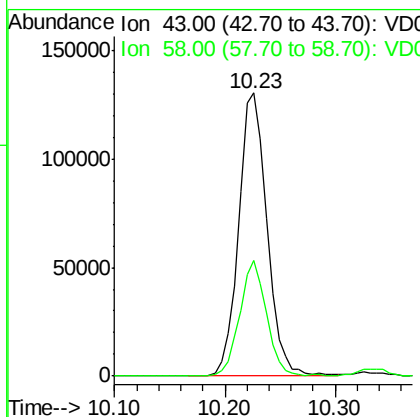
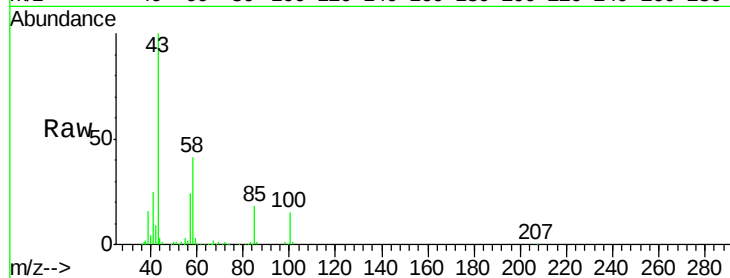
#51
4-Methyl-2-Pentanone
Concen: 90.080 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. -0.00 min
Lab File: VD066782.D
Acq: 21 Sep 2020 14:59

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.5	30.4	45.6

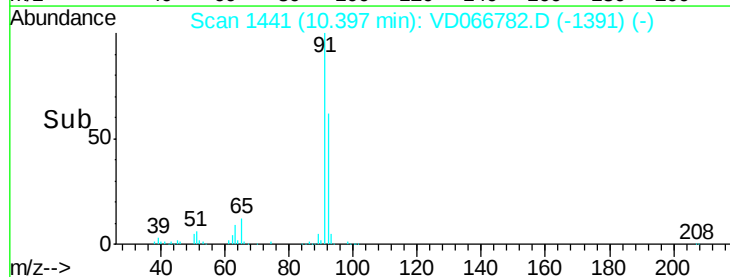
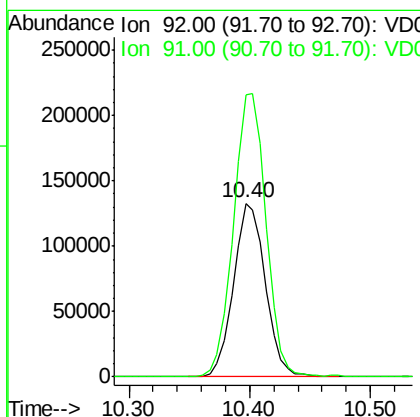
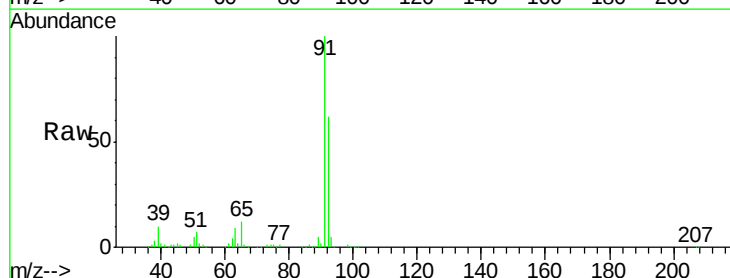
Manual Integrations
APPROVED

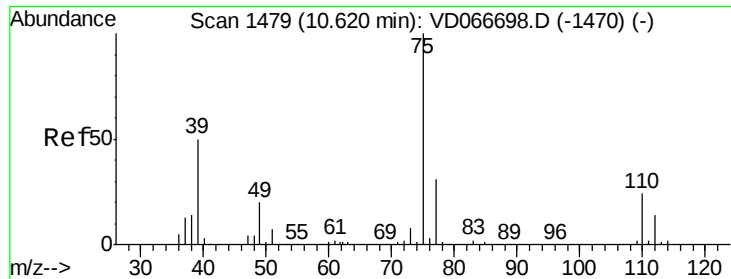
MMDadoda
9/22/2020 2:09:47 PM



#52
Toluene
Concen: 19.682 ug/l
RT: 10.40 min Scan# 1441
Delta R.T. -0.01 min
Lab File: VD066782.D
Acq: 21 Sep 2020 14:59

Tgt Ion	Ratio	Lower	Upper
92	100		
91	167.5	135.8	203.8





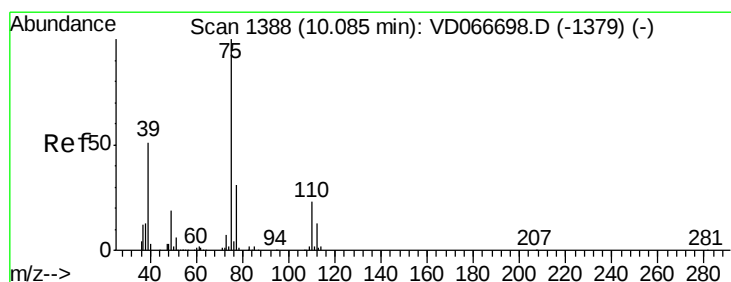
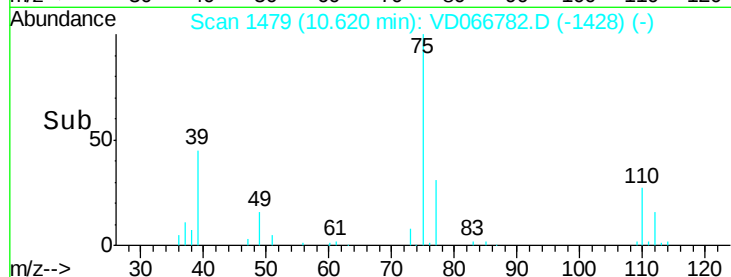
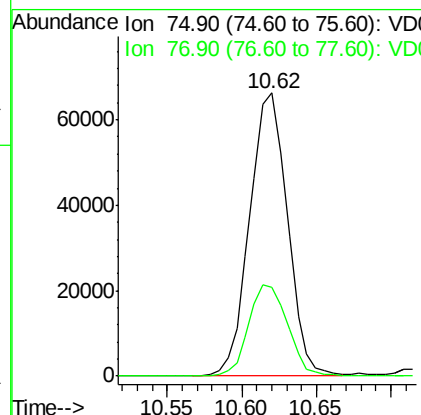
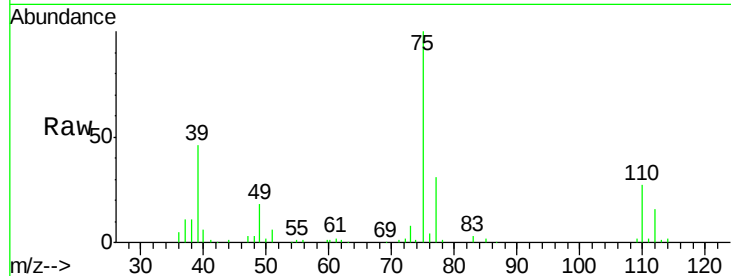
#53
 t-1,3-Dichloropropene
 Concen: 18.213 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD066782.D
 Acq: 21 Sep 2020 14:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Tot Ion	Ratio	Resp	Lower	Upper
75	100	116428		
77	31.4	24.6	36.8	

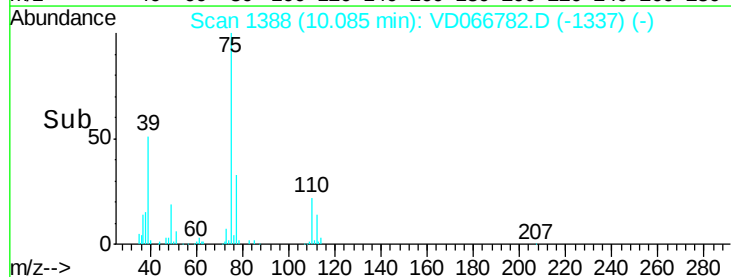
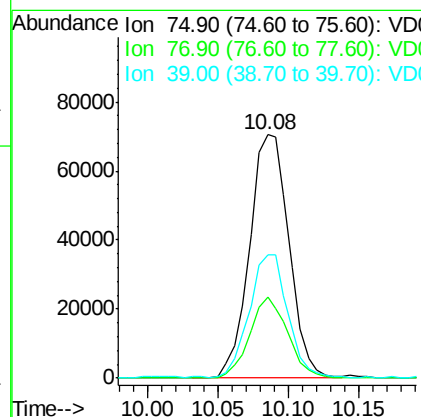
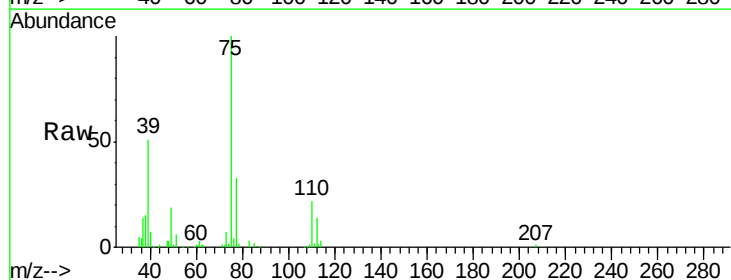
Manual Integrations
 APPROVED

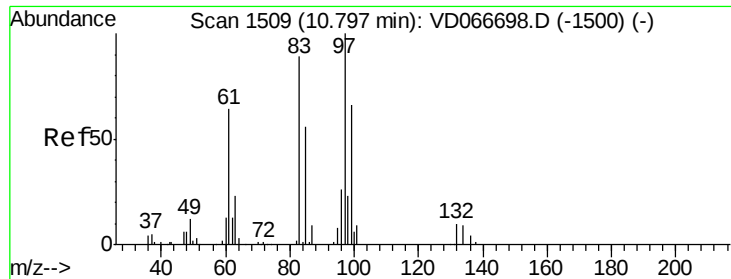
MMDadoda
 9/22/2020 2:09:47 PM



#54
 cis-1,3-Dichloropropene
 Concen: 18.231 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VD066782.D
 Acq: 21 Sep 2020 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	138429		
77	33.3	25.0	37.6	
39	50.3	40.6	61.0	





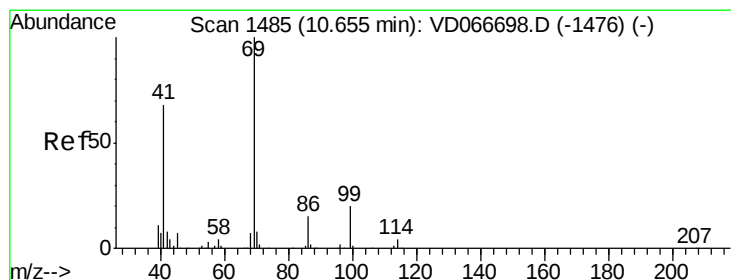
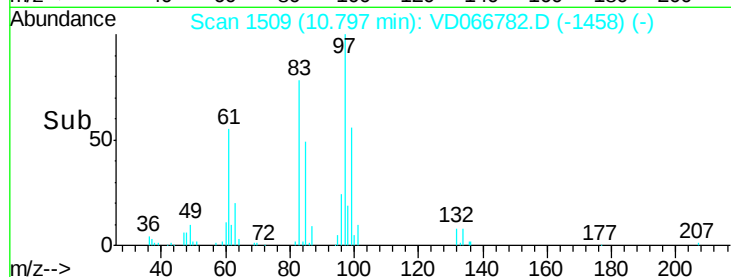
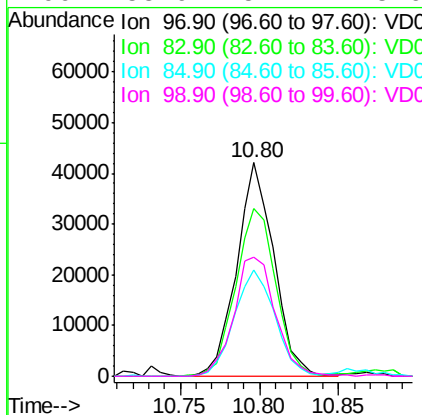
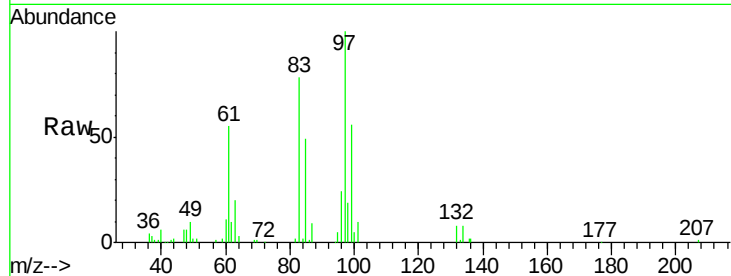
#55
 1,1,2-Trichloroethane
 Concen: 19.853 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: VD066782.D
 Acq: 21 Sep 2020 14:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Tot Ion:	97	Resp:	68741
Ion	Ratio	Lower	Upper
97	100		
83	77.6	71.4	107.2
85	49.5	44.7	67.1
99	55.9	52.4	78.6

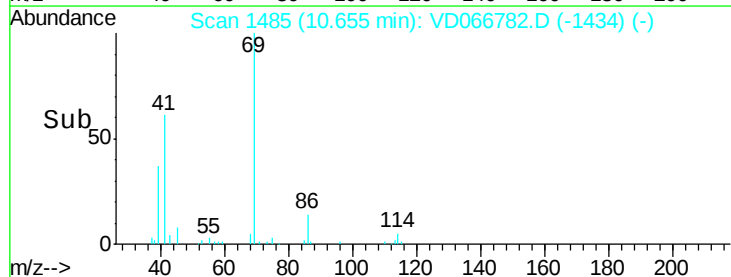
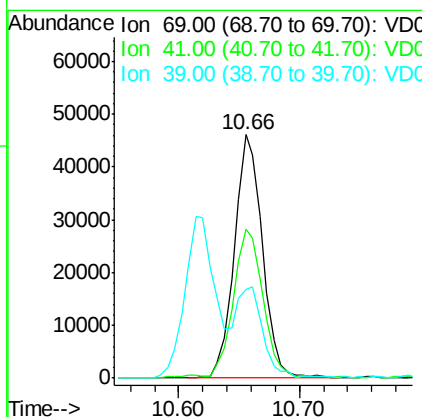
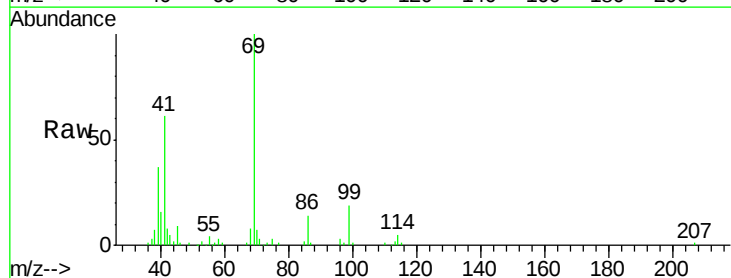
Manual Integrations
 APPROVED

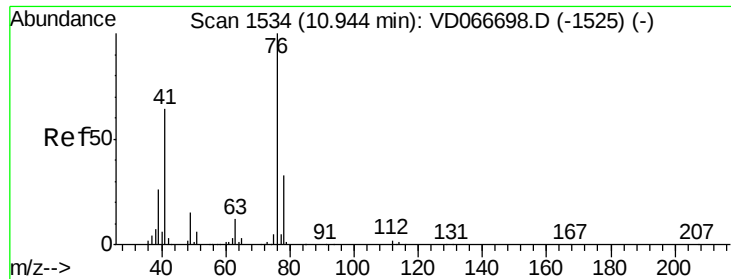
MMDadoda
 9/22/2020 2:09:47 PM



#56
 Ethyl methacrylate
 Concen: 19.016 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VD066782.D
 Acq: 21 Sep 2020 14:59

Tgt Ion:	69	Resp:	74721
Ion	Ratio	Lower	Upper
69	100		
41	65.1	55.5	83.3
39	32.8	29.7	44.5





#57

1,3-Dichloropropane

Concen: 19.159 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VD066782.D

Acq: 21 Sep 2020 14:59

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion: 76 Resp: 116421

Ion Ratio Lower Upper

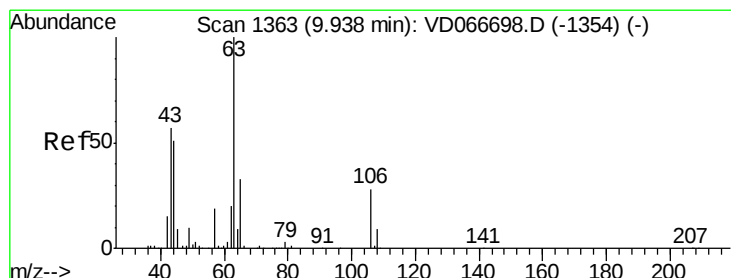
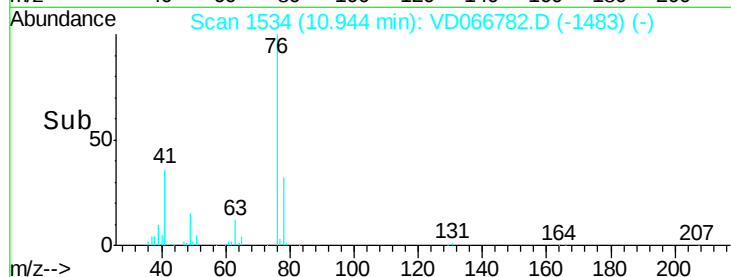
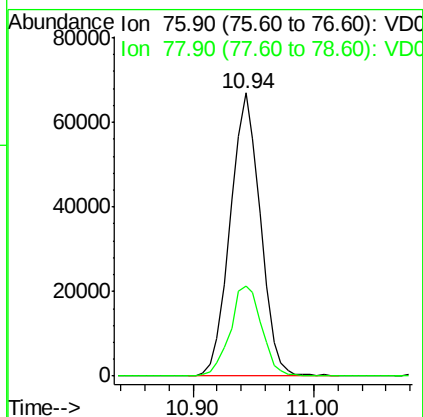
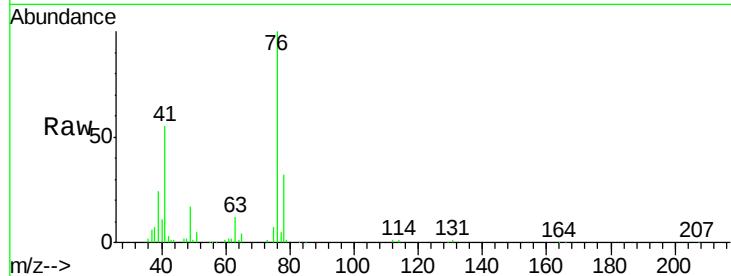
76 100

78 33.2 26.2 39.2

Manual Integrations
APPROVED

MMDadoda

9/22/2020 2:09:47 PM



#58

2-Chloroethyl Vinyl ether

Concen: 120.174 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VD066782.D

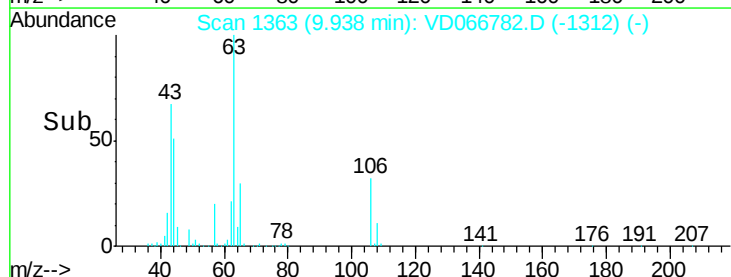
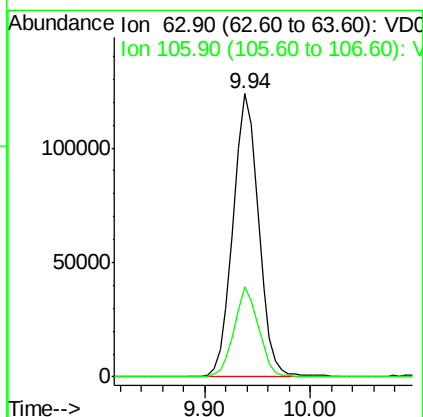
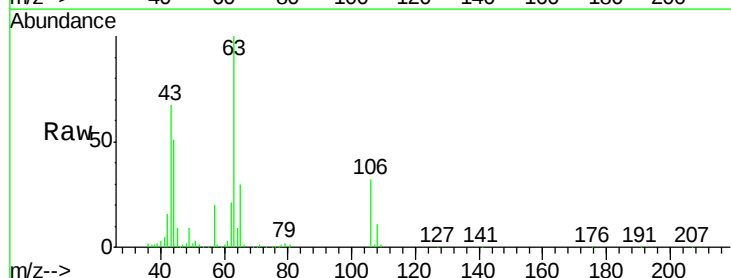
Acq: 21 Sep 2020 14:59

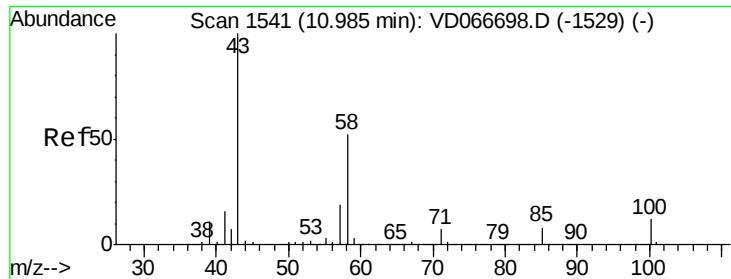
Tgt Ion: 63 Resp: 207385

Ion Ratio Lower Upper

63 100

106 30.5 22.2 33.4





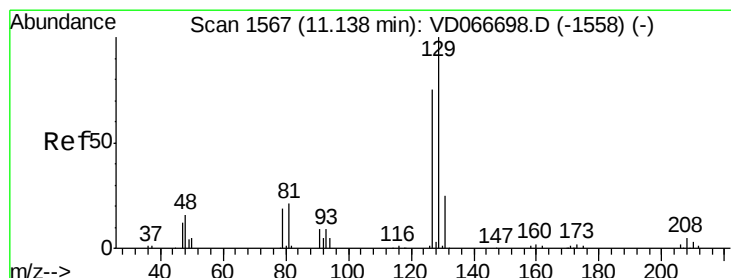
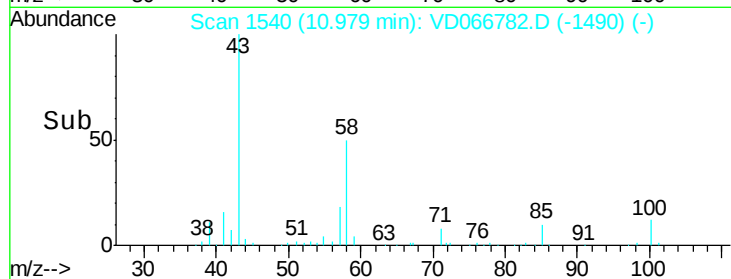
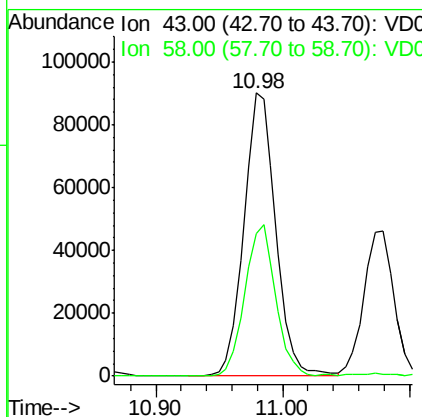
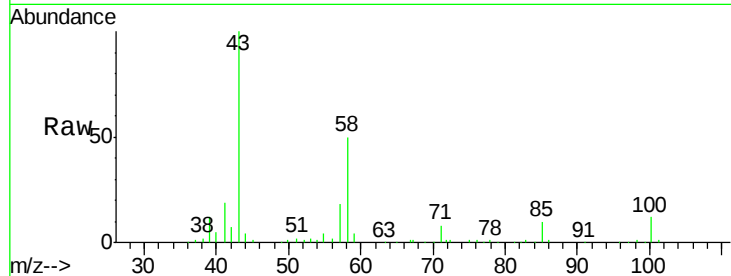
#59
2-Hexanone
Concen: 89.128 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066782.D
Acq: 21 Sep 2020 14:59

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion: 43 Resp: 156984
Ion Ratio Lower Upper
43 100
58 51.6 26.2 78.5

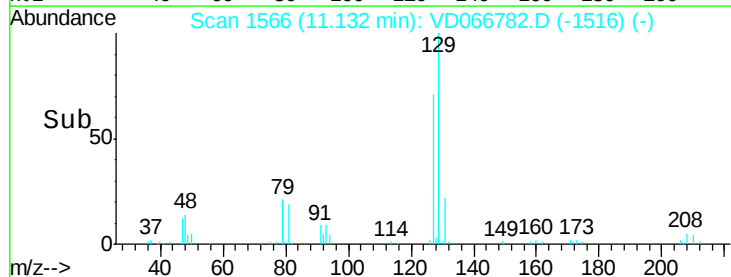
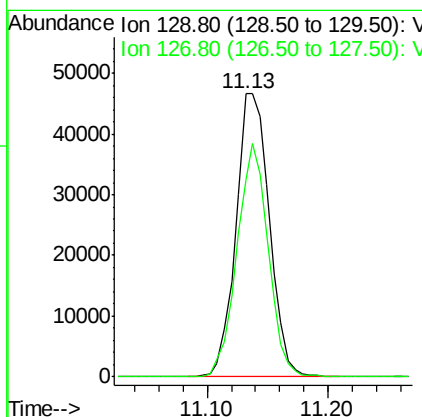
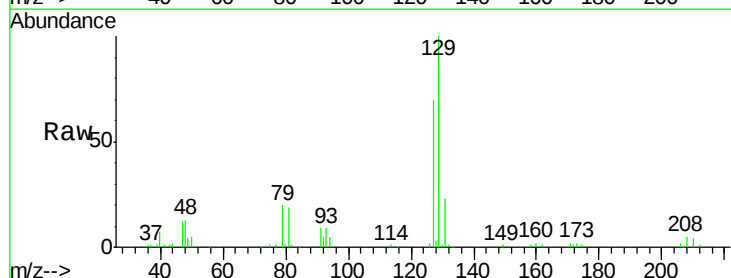
Manual Integrations
APPROVED

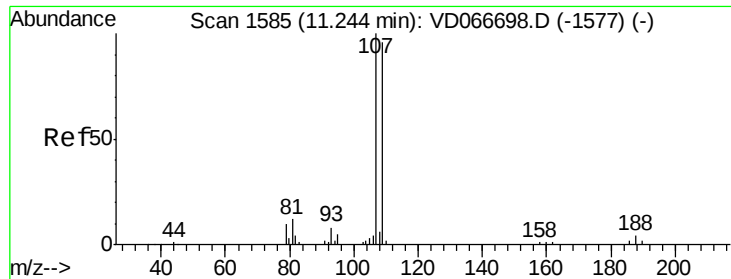
MMDadoda
9/22/2020 2:09:47 PM



#60
Dibromochloromethane
Concen: 19.964 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VD066782.D
Acq: 21 Sep 2020 14:59

Tgt Ion: 129 Resp: 90072
Ion Ratio Lower Upper
129 100
127 76.7 38.1 114.3





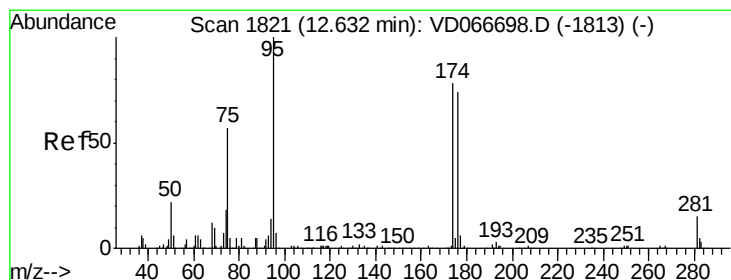
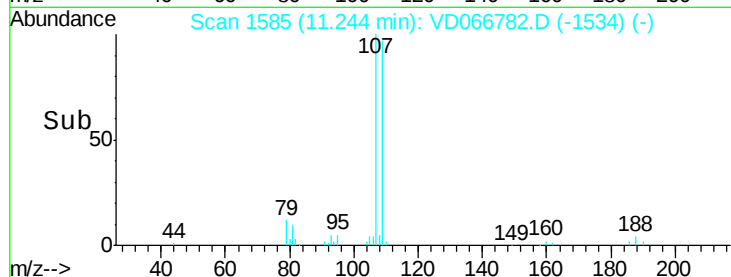
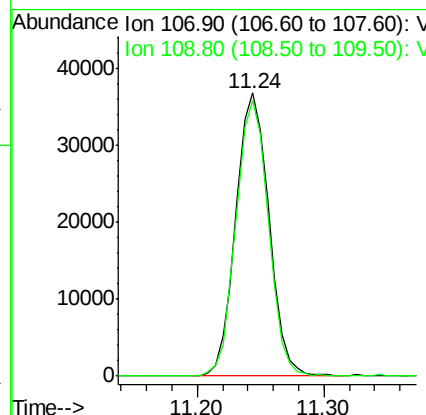
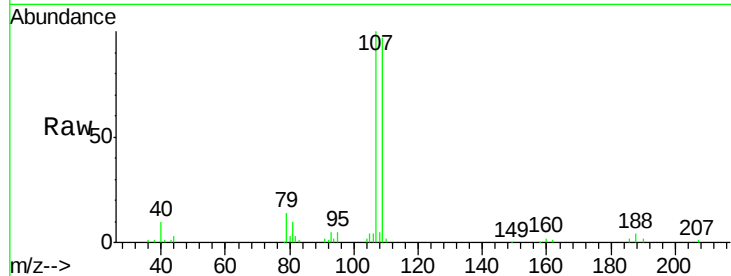
#61
 1,2-Dibromoethane
 Concen: 20.080 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066782.D
 Acq: 21 Sep 2020 14:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Tot Ion	Ratio	Resp	Lower	Upper
107	100	66694		
109	95.1	75.6	113.4	

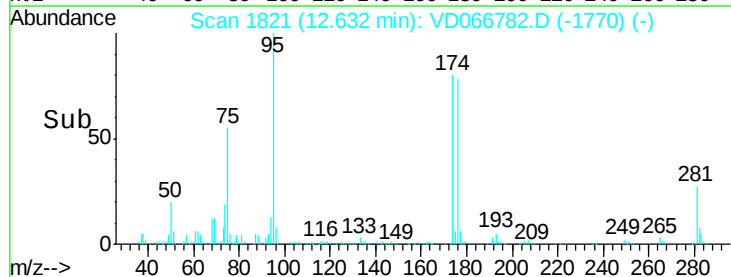
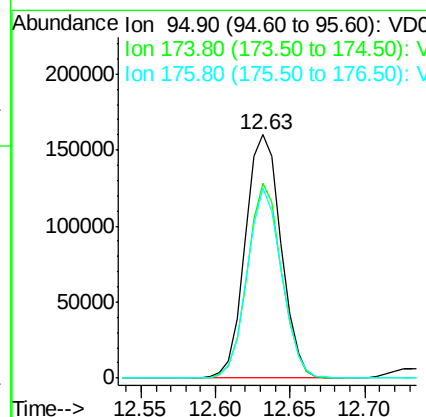
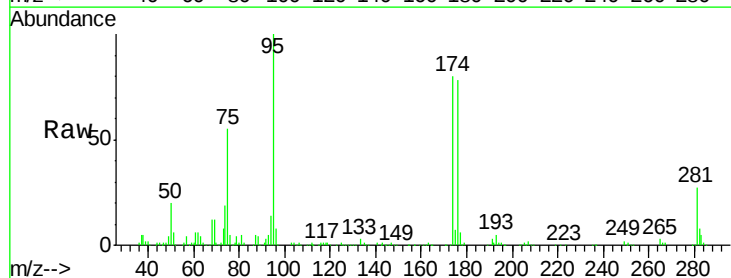
Manual Integrations
 APPROVED

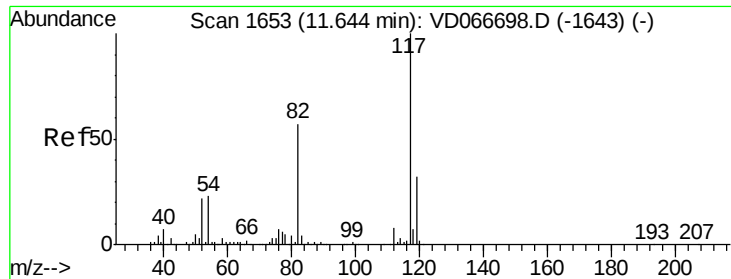
MMDadoda
 9/22/2020 2:09:47 PM



#62
 4-Bromofluorobenzene
 Concen: 50.558 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066782.D
 Acq: 21 Sep 2020 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	264936		
174	76.7	0.0	156.6	
176	75.1	0.0	150.2	





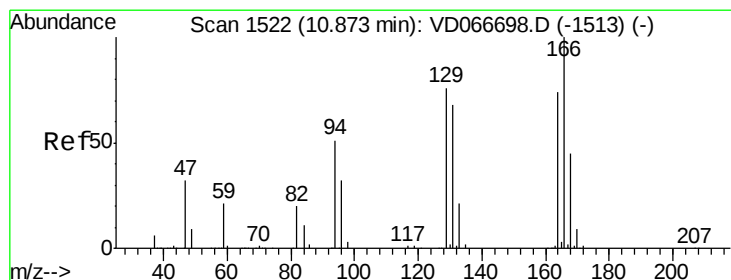
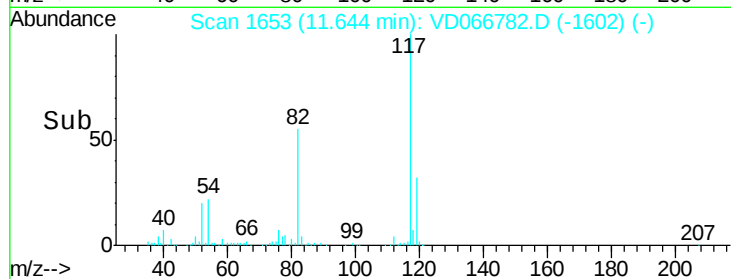
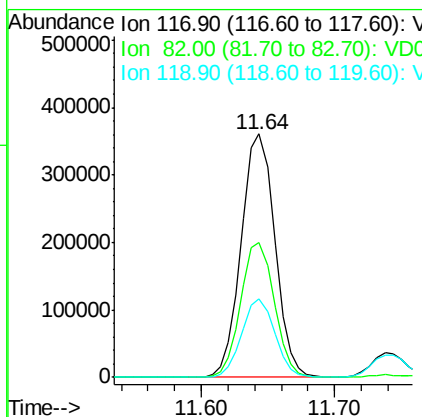
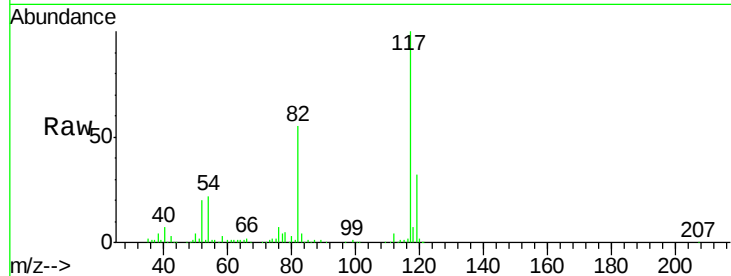
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066782.D
Acq: 21 Sep 2020 14:59

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	633538		
82	55.2		45.4	68.0
119	32.4		25.8	38.6

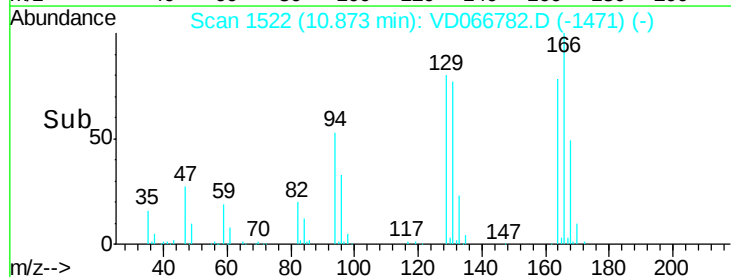
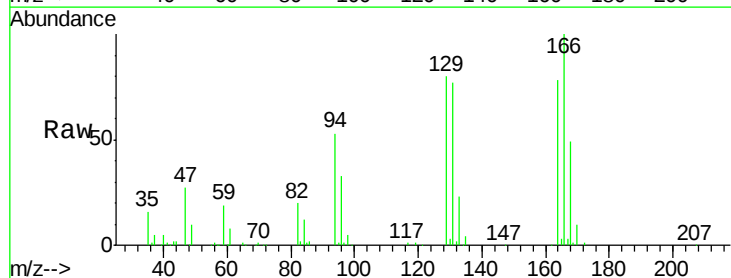
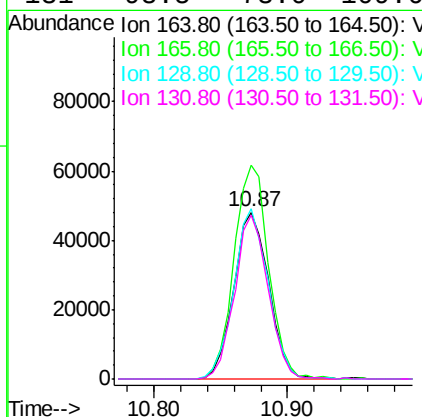
Manual Integrations
APPROVED

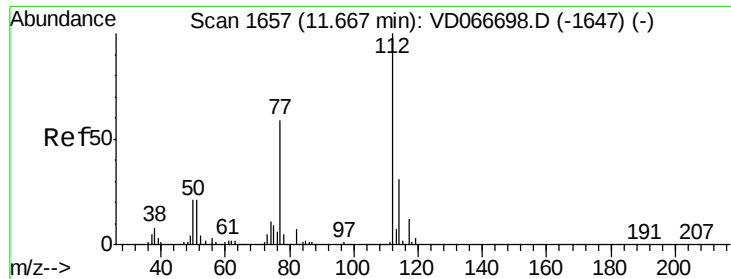
MMDadoda
9/22/2020 2:09:47 PM



#64
Tetrachloroethene
Concen: 20.302 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066782.D
Acq: 21 Sep 2020 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	87803		
166	128.2		107.5	161.3
129	102.2		81.4	122.0
131	98.5		73.0	109.6





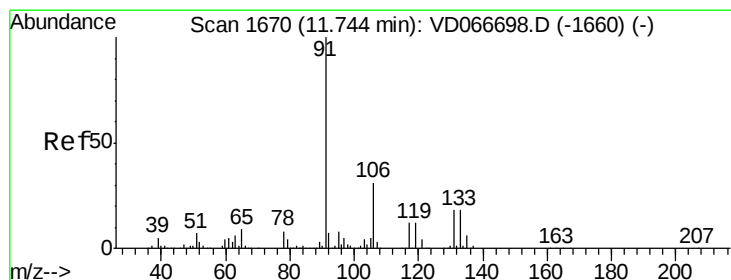
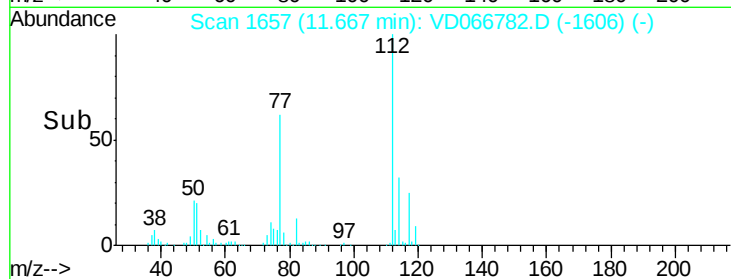
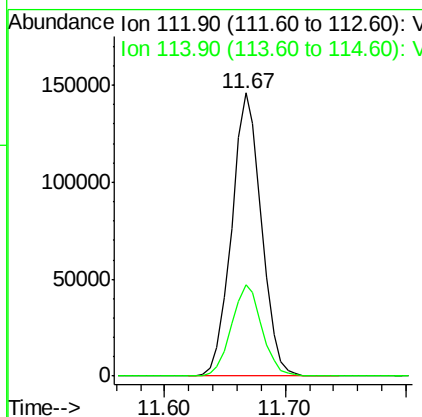
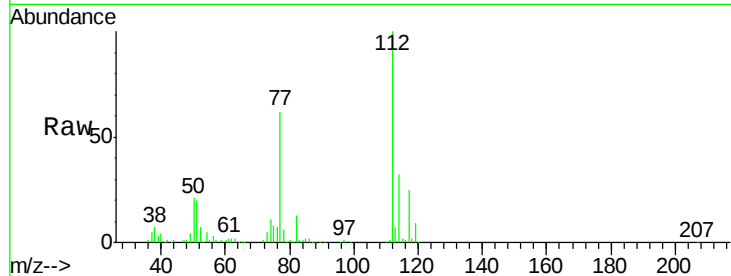
#65
Chlorobenzene
Concen: 19.078 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VD066782.D
Acq: 21 Sep 2020 14:59

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	250251		
114	32.3	25.0	37.6	

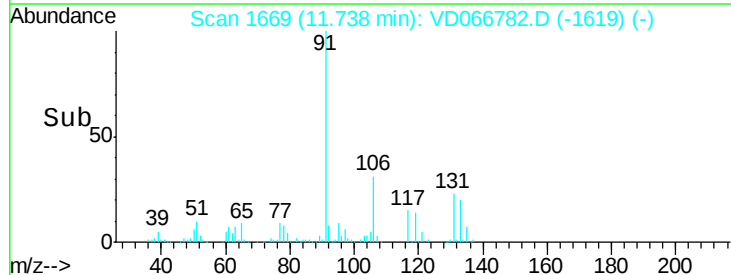
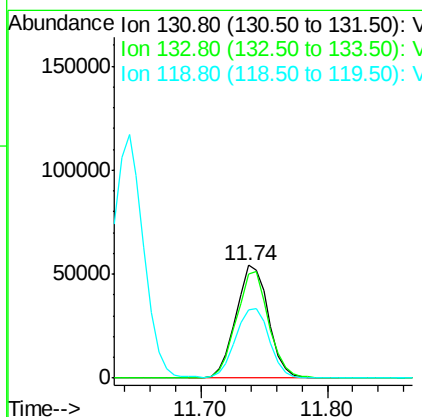
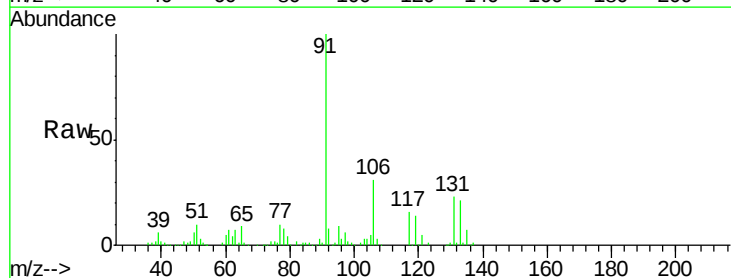
Manual Integrations
APPROVED

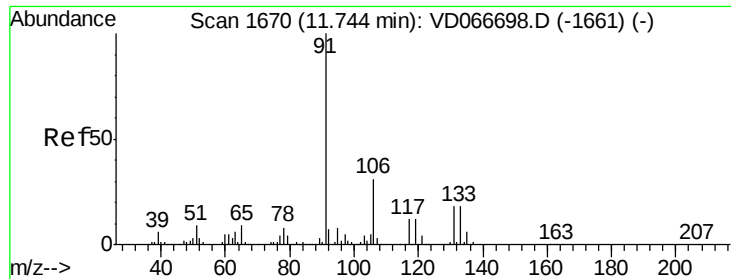
MMDadoda
9/22/2020 2:09:47 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.921 ug/l
RT: 11.74 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VD066782.D
Acq: 21 Sep 2020 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	96413		
133	93.7	47.8	143.3	
119	64.1	33.6	100.8	





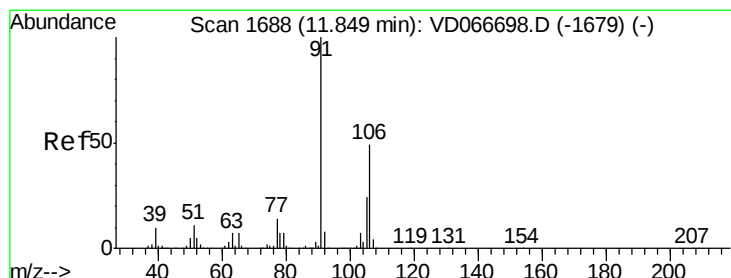
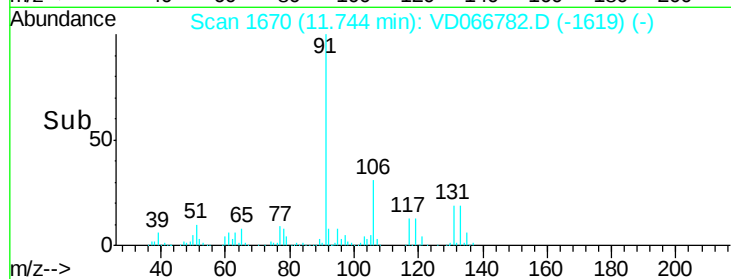
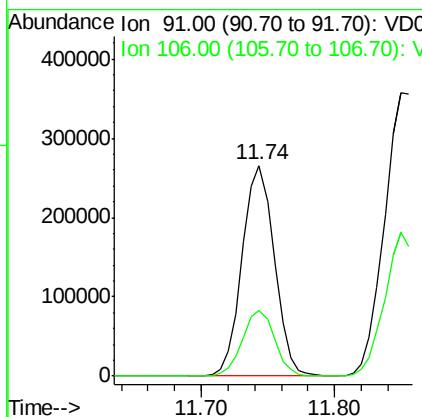
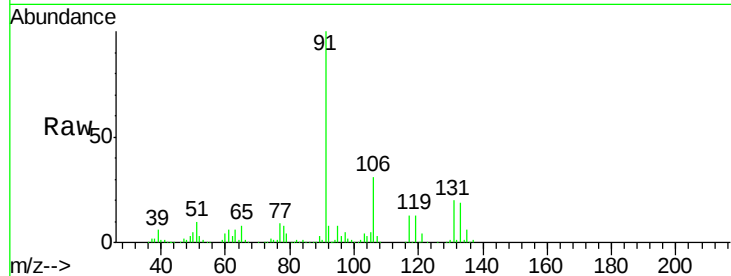
#67
Ethyl Benzene
Concen: 18.663 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066782.D
Acq: 21 Sep 2020 14:59

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion: 91 Resp: 443419
Ion Ratio Lower Upper
91 100
106 31.0 25.1 37.7

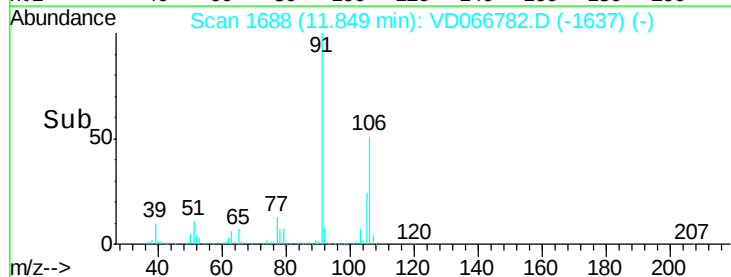
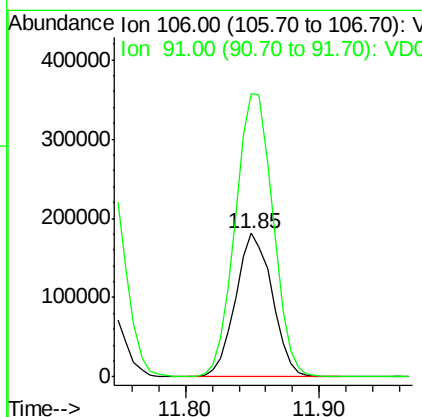
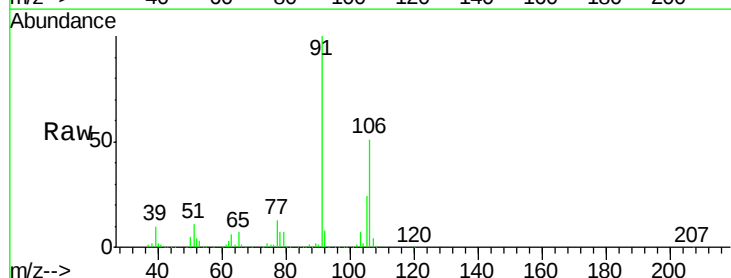
Manual Integrations
APPROVED

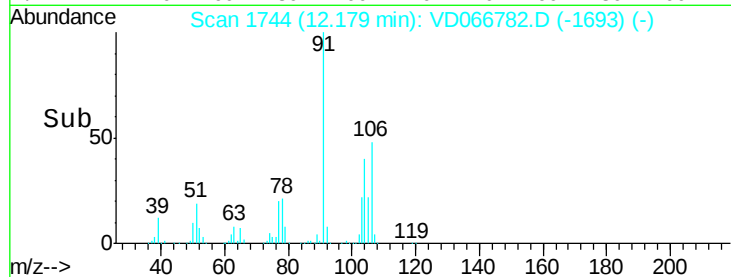
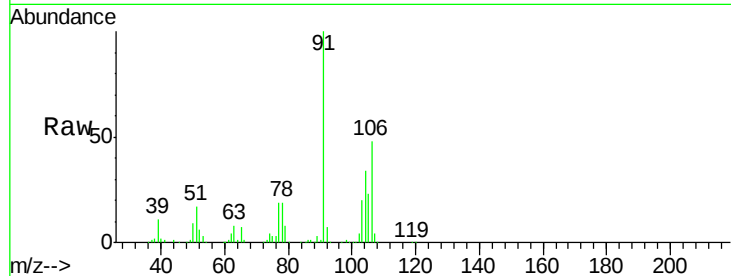
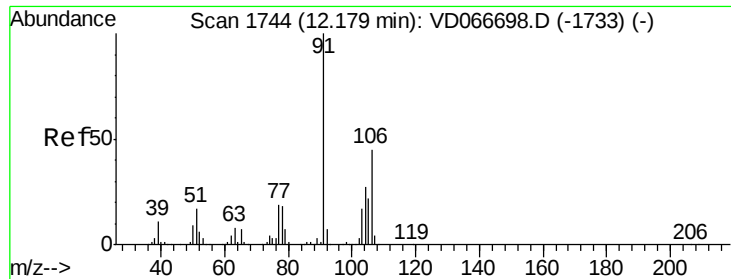
MMDadoda
9/22/2020 2:09:47 PM



#68
m/p-Xylenes
Concen: 38.307 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VD066782.D
Acq: 21 Sep 2020 14:59

Tgt Ion: 106 Resp: 343982
Ion Ratio Lower Upper
106 100
91 203.2 164.8 247.2





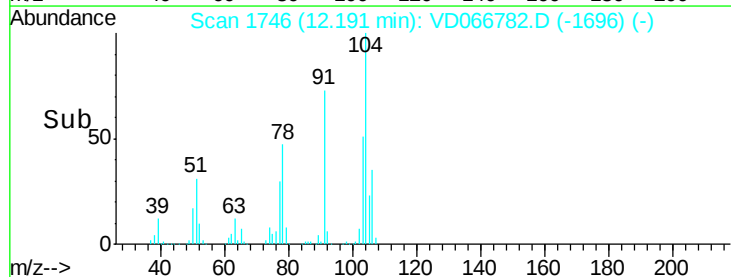
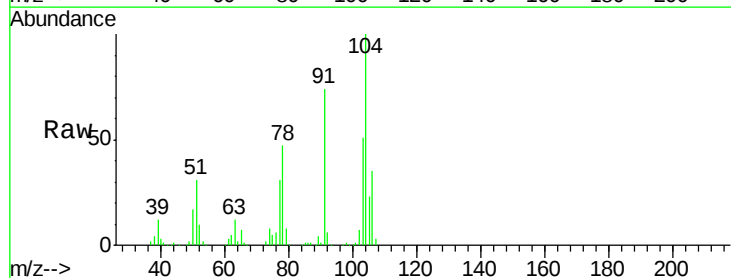
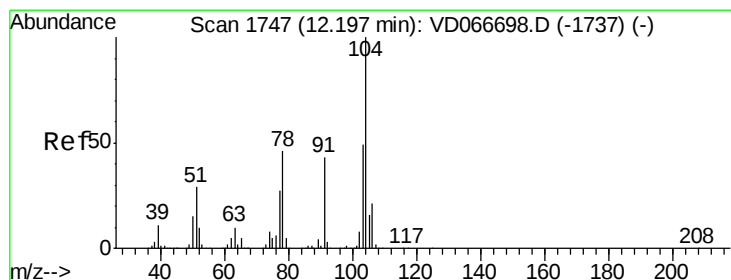
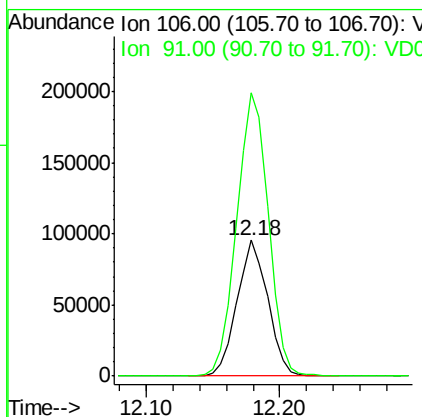
#69
o-Xylene
Concen: 19.208 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066782.D
Acq: 21 Sep 2020 14:59

Tot Ion:106 Resp: 152424
Ion Ratio Lower Upper
106 100
91 214.3 109.4 328.2

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

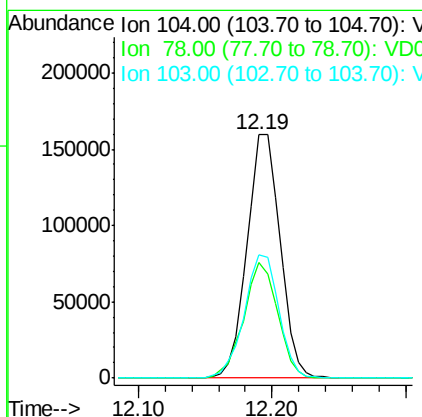
Manual Integrations
APPROVED

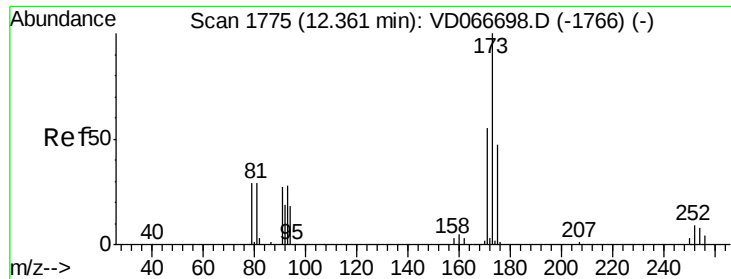
MMDadoda
9/22/2020 2:09:47 PM



#70
Styrene
Concen: 19.662 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066782.D
Acq: 21 Sep 2020 14:59

Tgt Ion:104 Resp: 274603
Ion Ratio Lower Upper
104 100
78 48.7 40.2 60.4
103 53.0 42.5 63.7





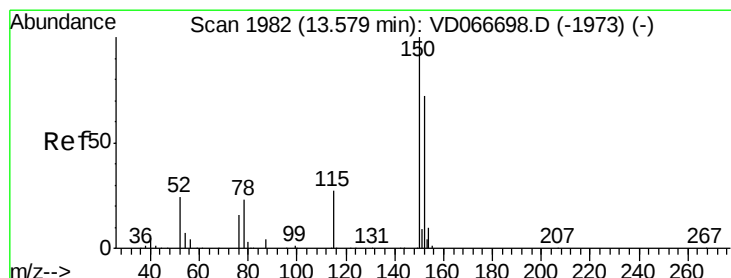
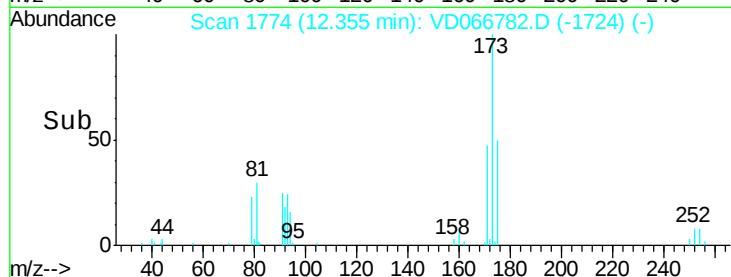
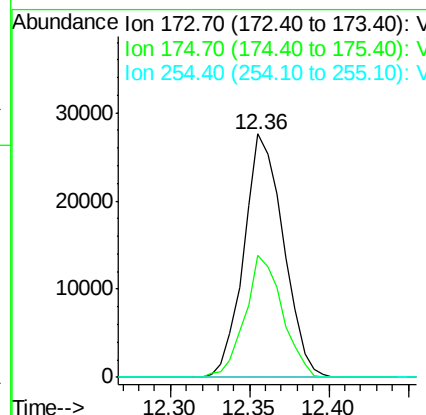
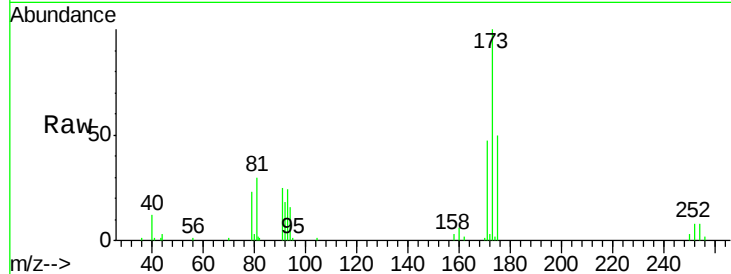
#71
Bromoform
Concen: 19.645 ug/l
RT: 12.36 min Scan# 1774
Delta R.T. -0.01 min
Lab File: VD066782.D
Acq: 21 Sep 2020 14:59

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.4	24.3	72.8
254	0.0	0.1	0.1#

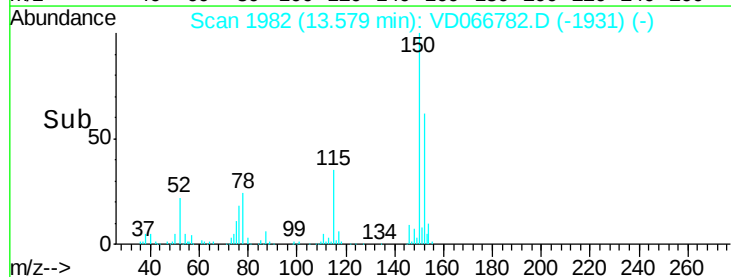
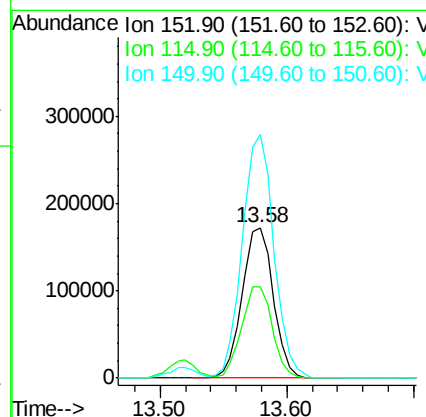
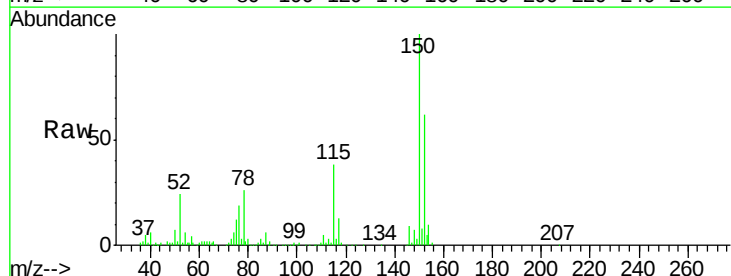
Manual Integrations
APPROVED

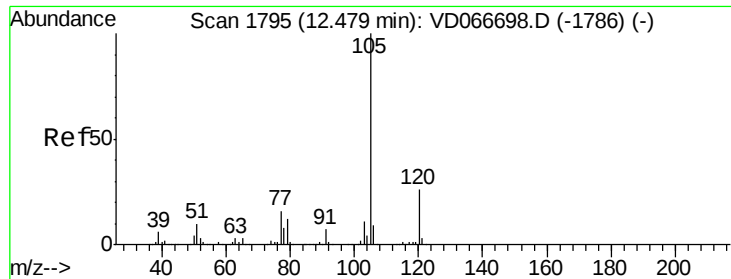
MMDadoda
9/22/2020 2:09:47 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066782.D
Acq: 21 Sep 2020 14:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.2	30.5	91.5
150	165.2	0.0	344.6





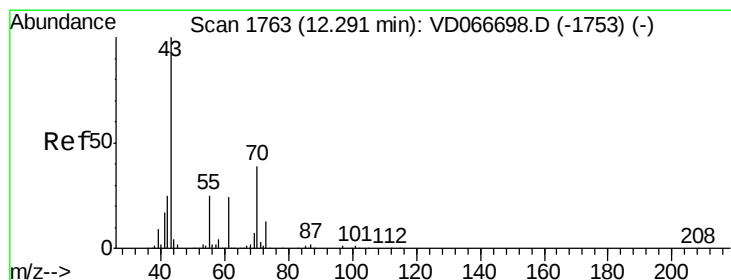
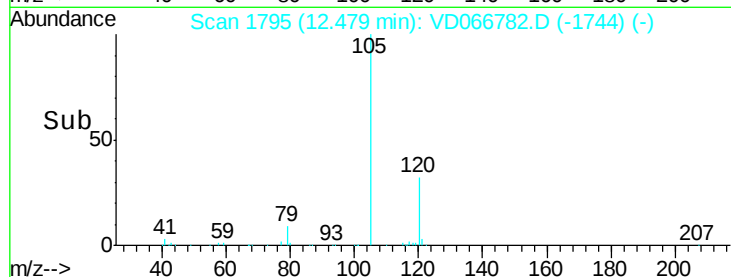
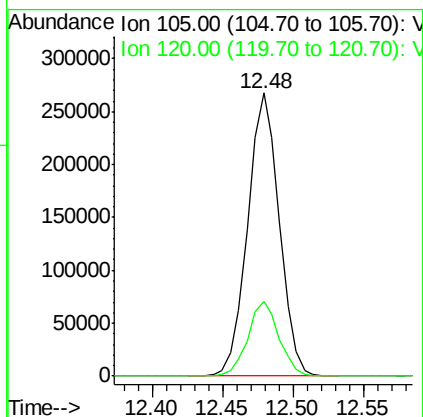
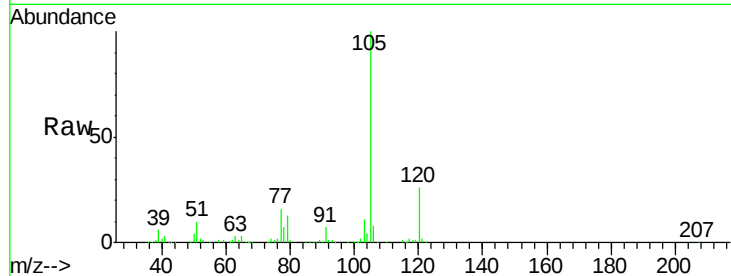
#73
Isopropylbenzene
Concen: 19.247 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VD066782.D
Acq: 21 Sep 2020 14:59

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.1	39.1

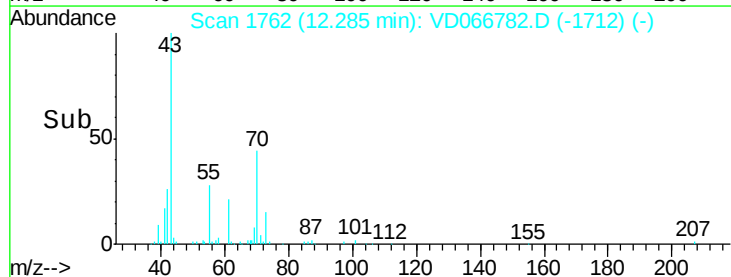
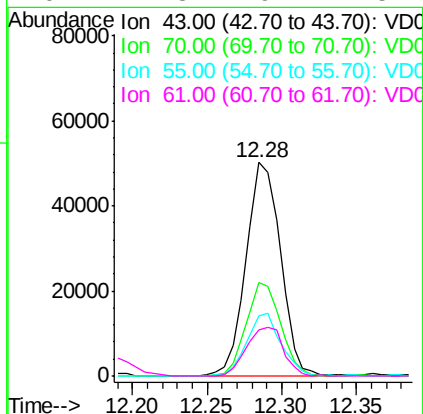
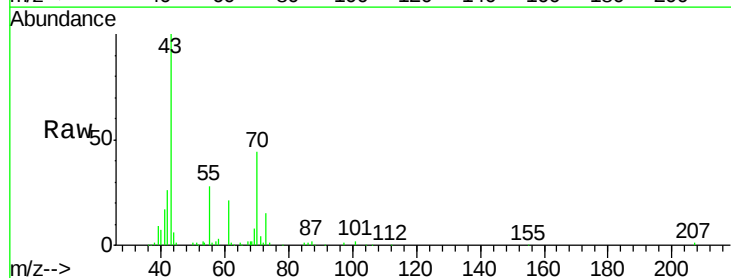
Manual Integrations
APPROVED

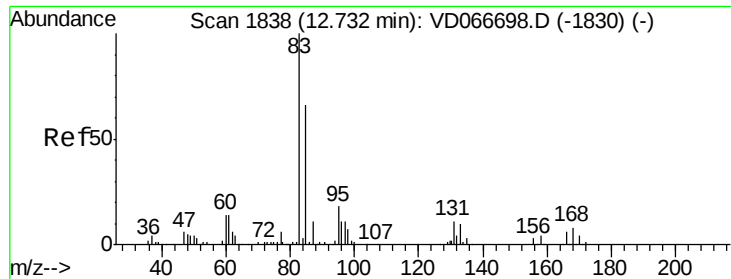
MMDadoda
9/22/2020 2:09:47 PM



#74
N-ethyl acetate
Concen: 17.398 ug/l
RT: 12.28 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VD066782.D
Acq: 21 Sep 2020 14:59

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.7	33.0	49.4
55	29.2	20.6	30.8
61	24.3	19.1	28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.569 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066782.D

Acq: 21 Sep 2020 14:59

Instrument :

MSVOA_D

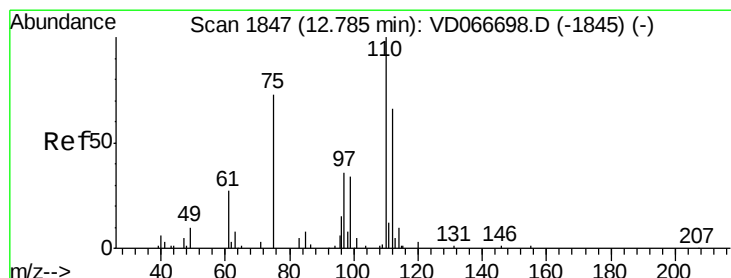
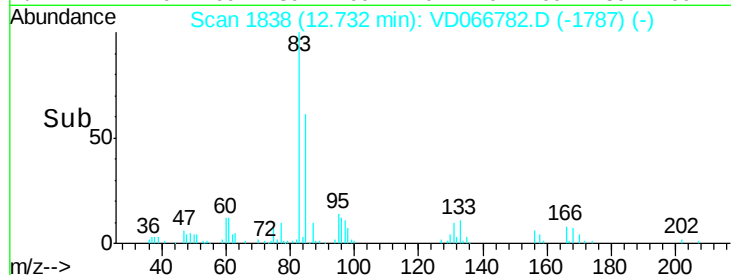
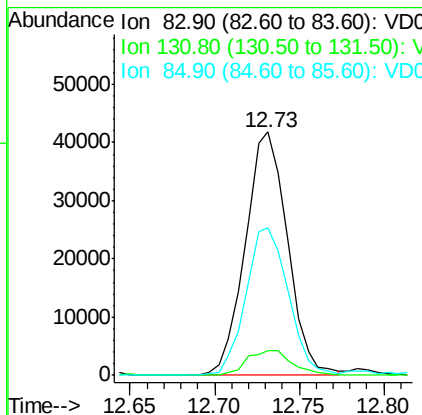
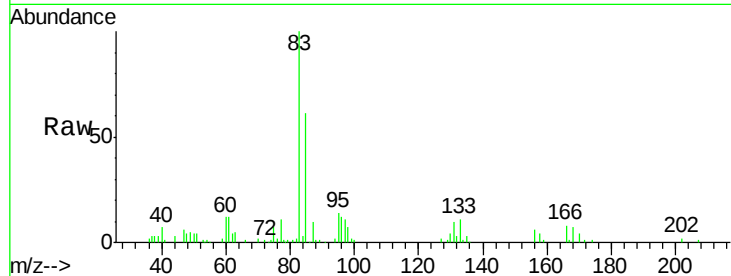
ClientSampleId :

VD0921SBS01

Tot Ion:	83	Resp:	72693
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.8	17.3
85	61.0	33.3	99.8

Manual Integrations
APPROVED

MMDadoda
9/22/2020 2:09:47 PM



#76

1,2,3-Trichloropropane

Concen: 20.686 ug/l m

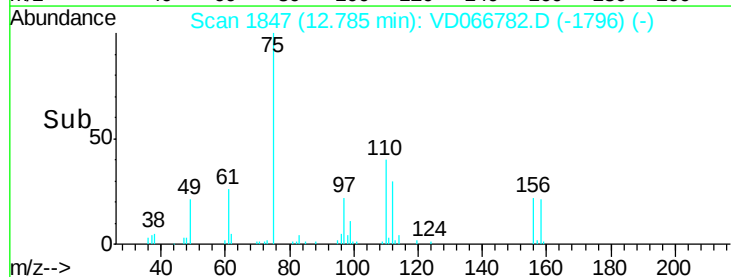
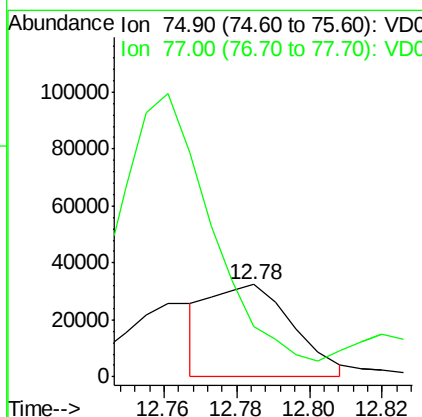
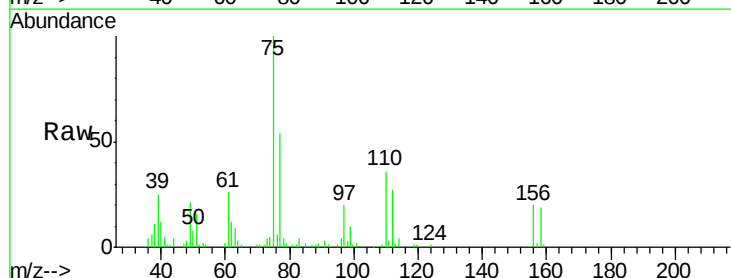
RT: 12.78 min Scan# 1847

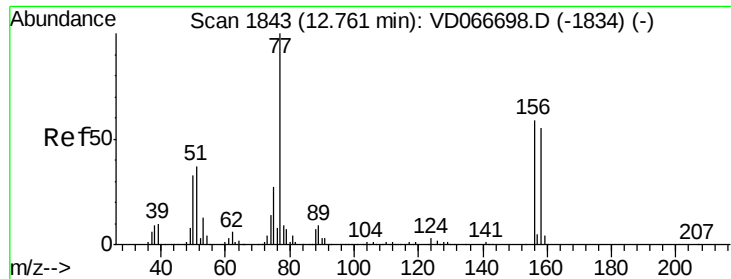
Delta R.T. -0.00 min

Lab File: VD066782.D

Acq: 21 Sep 2020 14:59

Tgt Ion:	75	Resp:	51851
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





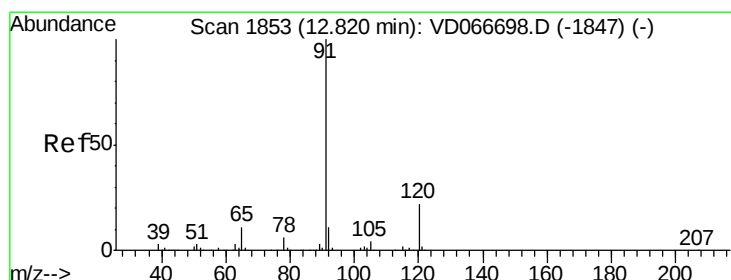
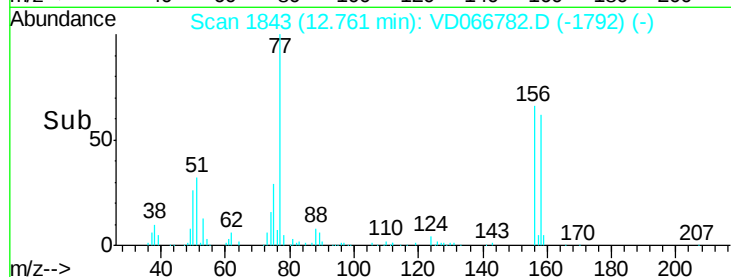
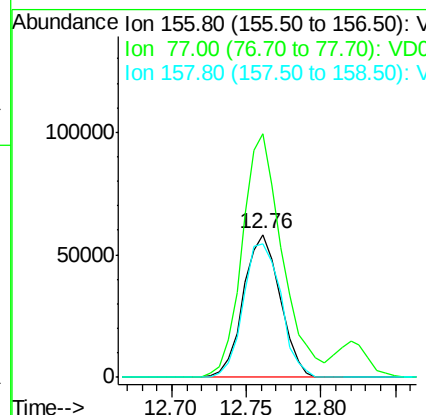
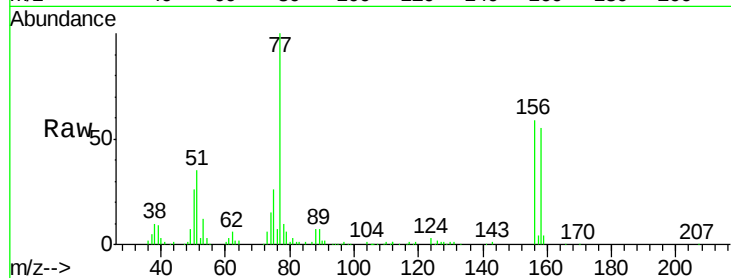
#77
Bromobenzene
Concen: 19.734 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VD066782.D
Acq: 21 Sep 2020 14:59

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	186.2	95.8	287.3
158	96.2	48.4	145.0

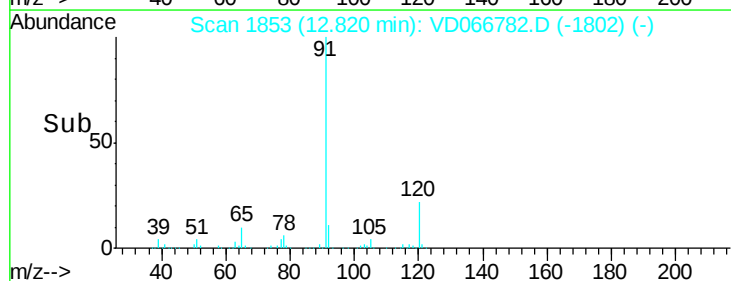
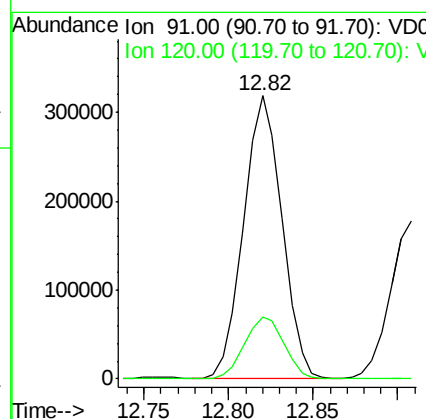
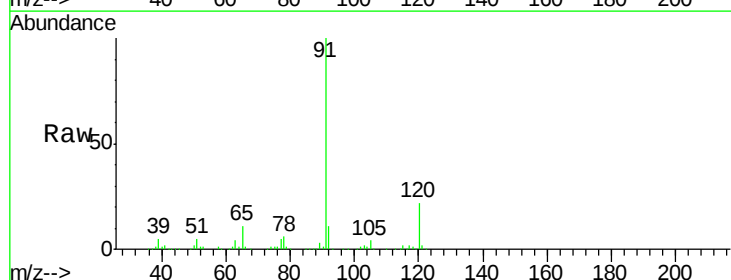
Manual Integrations
APPROVED

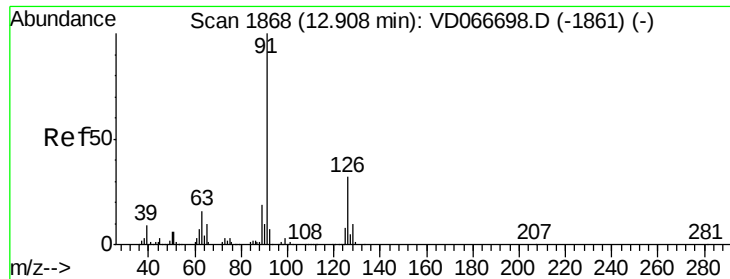
MMDadoda
9/22/2020 2:09:47 PM



#78
n-propylbenzene
Concen: 18.844 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VD066782.D
Acq: 21 Sep 2020 14:59

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	10.9	32.9





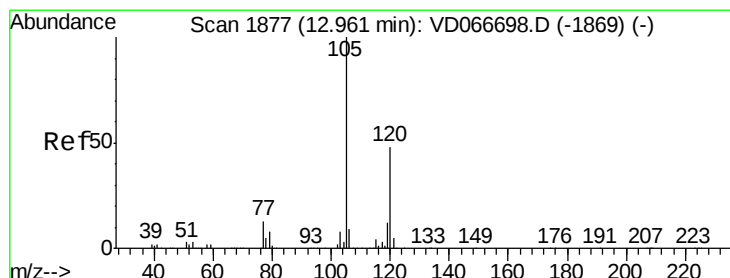
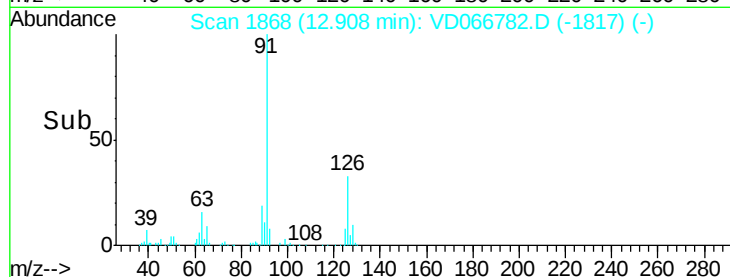
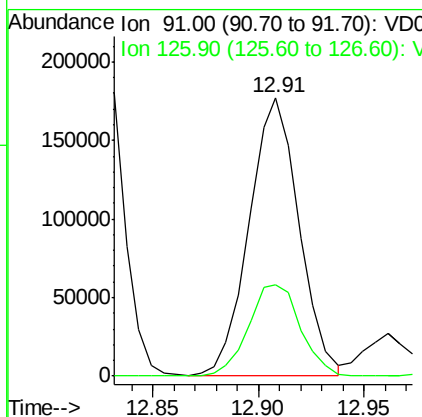
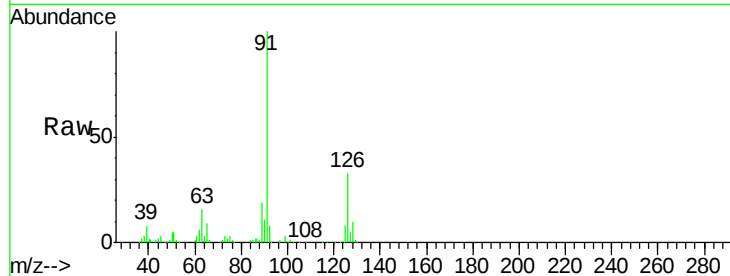
#79
2-Chlorotoluene
Concen: 19.209 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VD066782.D
Acq: 21 Sep 2020 14:59

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		289450		
126	34.3	16.2	48.6		

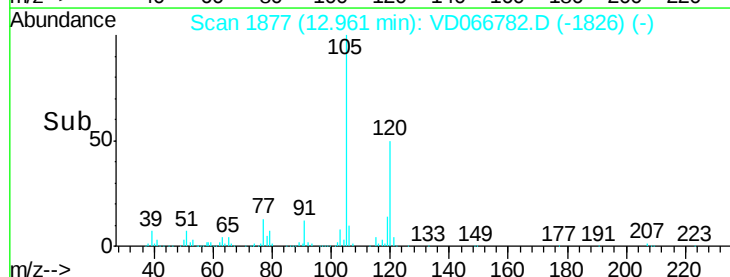
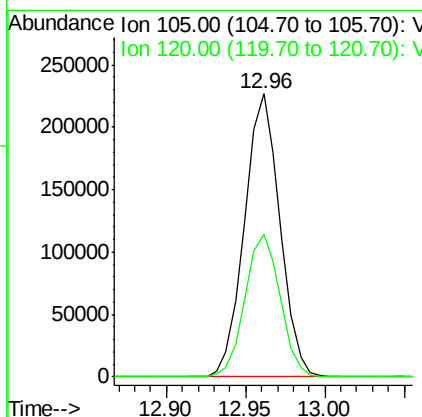
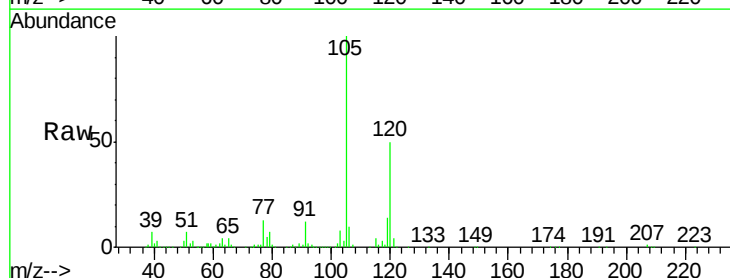
Manual Integrations
APPROVED

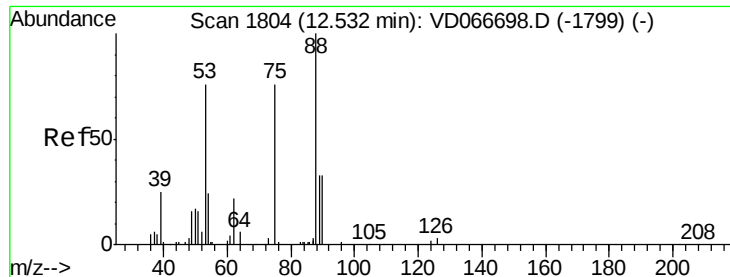
MMDadoda
9/22/2020 2:09:47 PM



#80
1,3,5-Trimethylbenzene
Concen: 19.084 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VD066782.D
Acq: 21 Sep 2020 14:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		352738		
120	49.9	23.9	71.7		





#81

trans-1,4-Dichloro-2-butene

Concen: 15.259 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066782.D

Acq: 21 Sep 2020 14:59

Instrument :

MSVOA_D

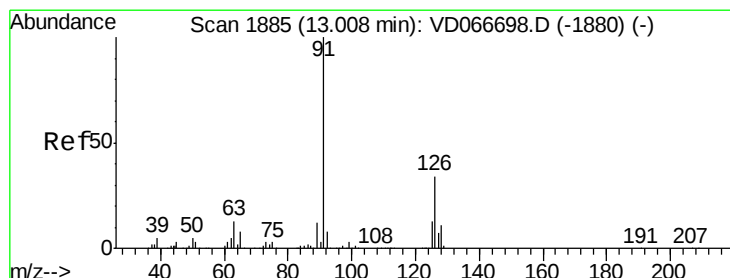
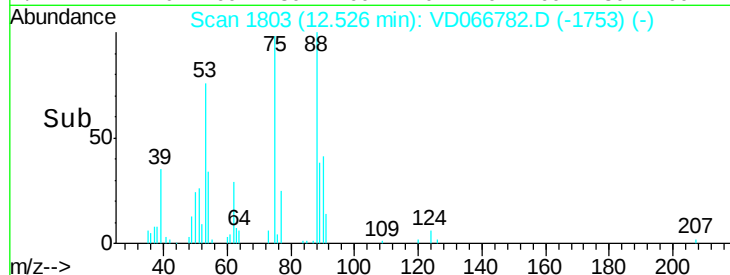
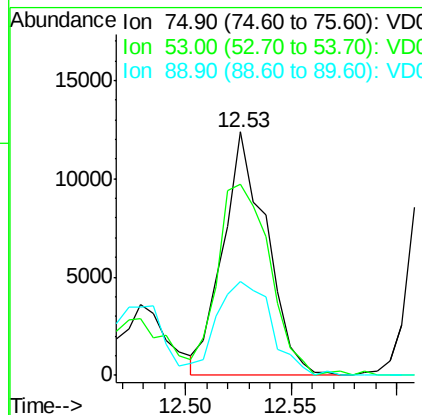
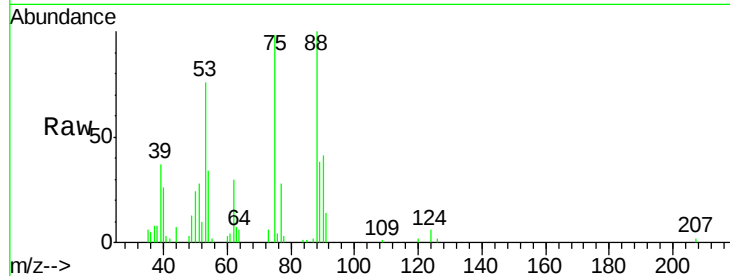
ClientSampleId :

VD0921SBS01

Tot Ion:	75	Resp:	17722
Ion	Ratio	Lower	Upper
75	100		
53	91.0	82.2	123.4
89	49.1	39.6	59.4

Manual Integrations
APPROVED

MMDadoda
9/22/2020 2:09:47 PM



#82

4-Chlorotoluene

Concen: 19.801 ug/l

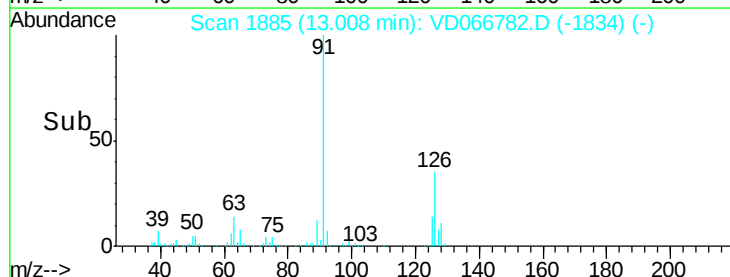
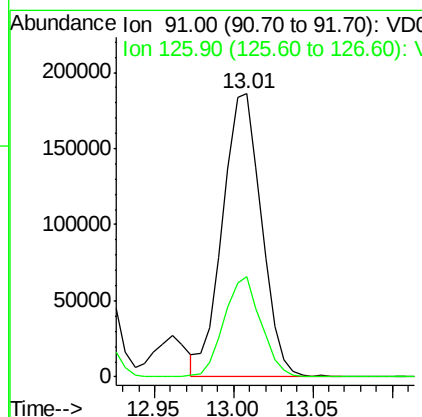
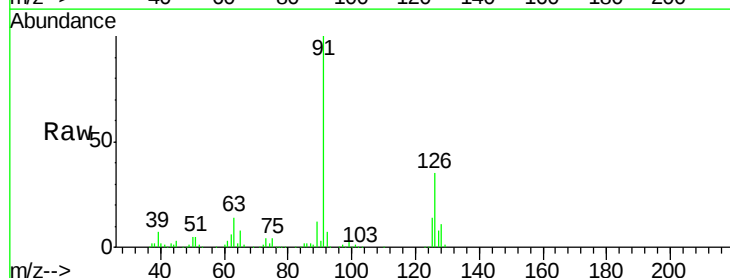
RT: 13.01 min Scan# 1885

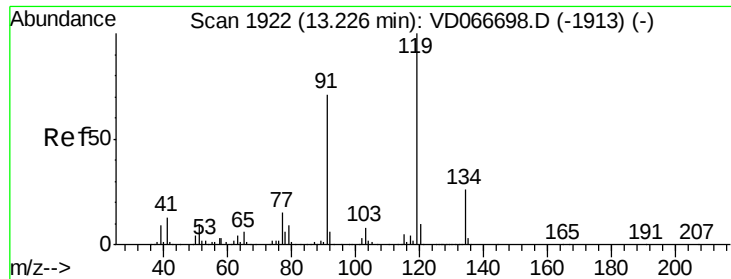
Delta R.T. -0.00 min

Lab File: VD066782.D

Acq: 21 Sep 2020 14:59

Tgt Ion:	91	Resp:	315487
Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.8	50.4





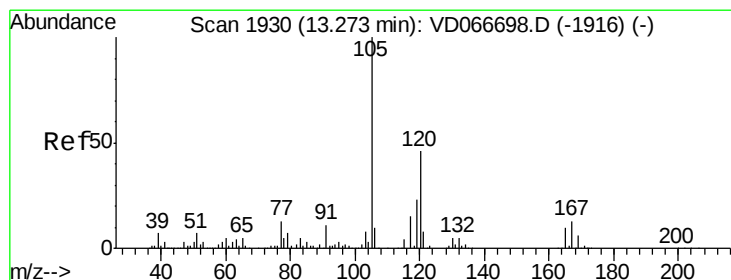
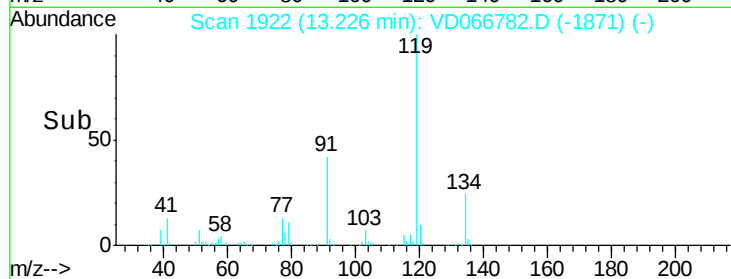
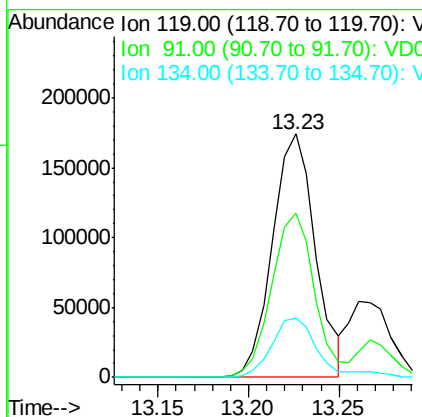
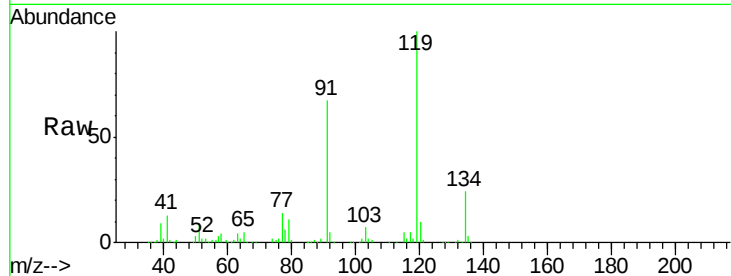
#83
 tert-Butylbenzene
 Concen: 18.904 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD066782.D
 Acq: 21 Sep 2020 14:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	288001		
91	68.0		35.0	105.1
134	26.9		13.6	40.8

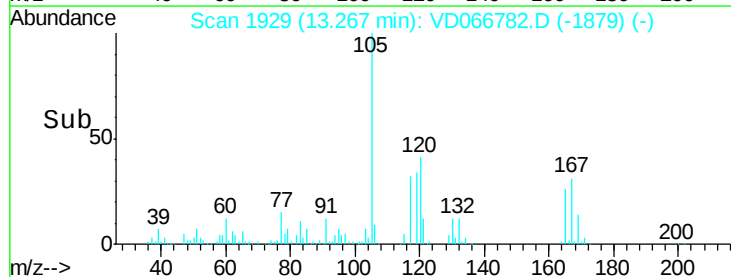
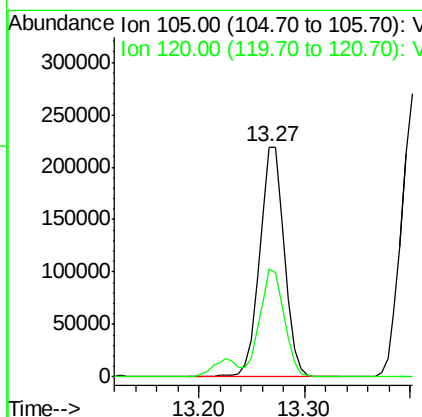
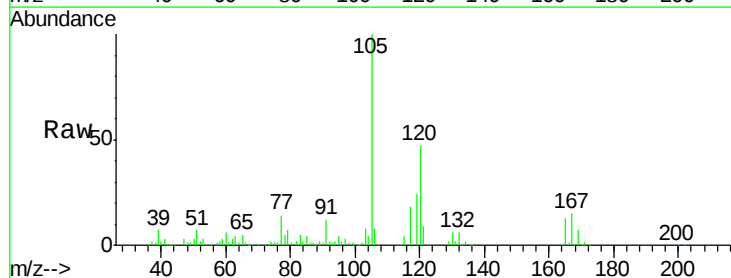
Manual Integrations
 APPROVED

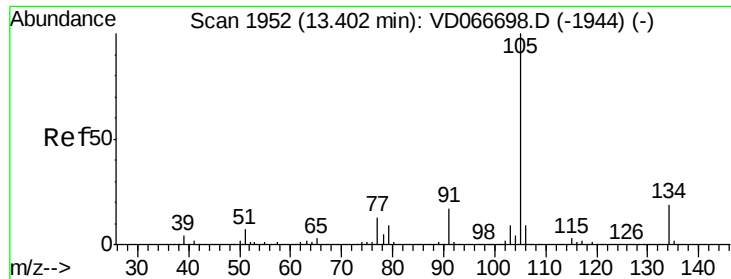
MMDadoda
 9/22/2020 2:09:47 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.393 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: VD066782.D
 Acq: 21 Sep 2020 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	358237		
120	46.8		22.4	67.2





#85

sec-Butylbenzene

Concen: 18.888 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066782.D

Acq: 21 Sep 2020 14:59

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion:105 Resp: 412526

Ion Ratio Lower Upper

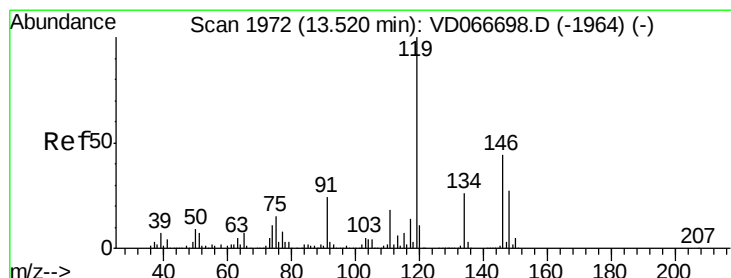
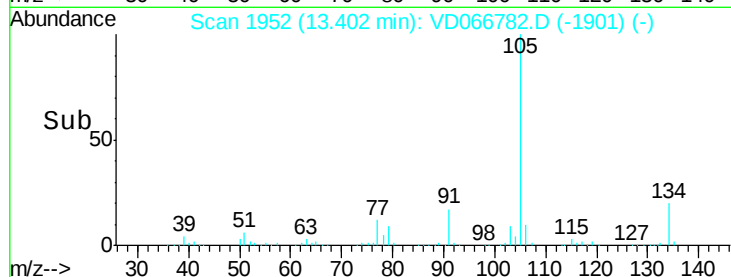
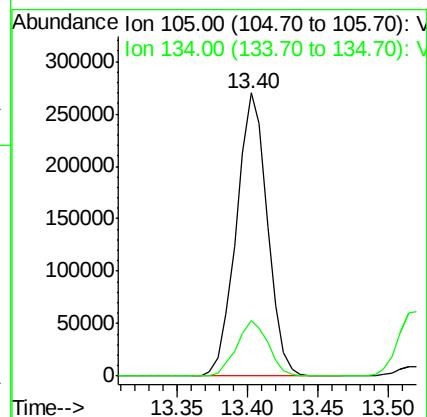
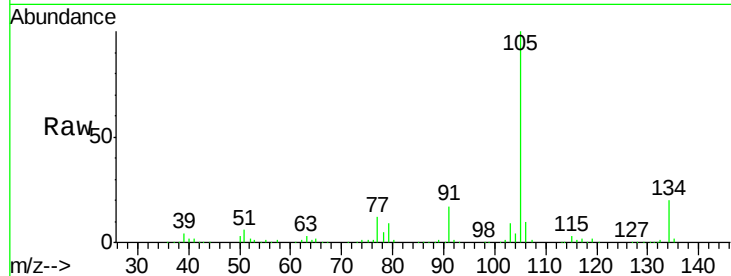
105 100

134 19.9 10.0 30.0

Manual Integrations
APPROVED

MMDadoda

9/22/2020 2:09:47 PM



#86

p-Isopropyltoluene

Concen: 19.274 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066782.D

Acq: 21 Sep 2020 14:59

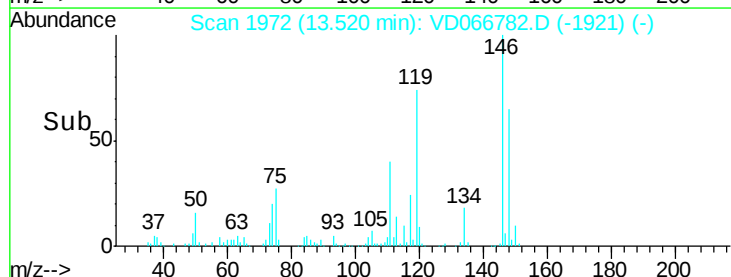
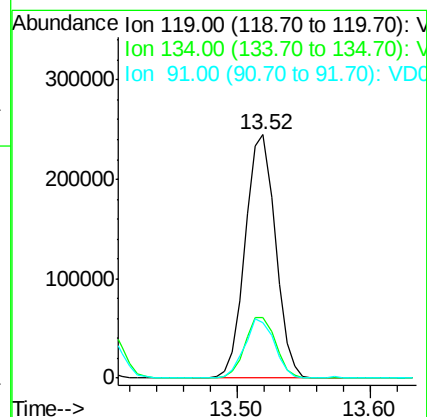
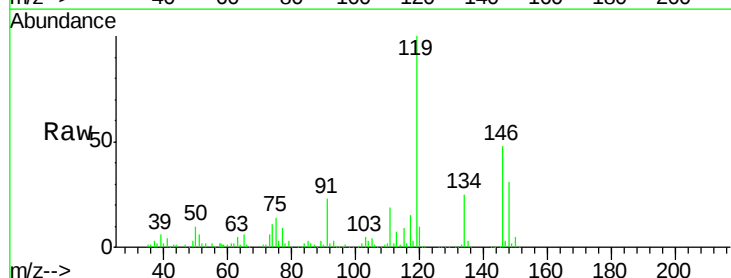
Tgt Ion:119 Resp: 382704

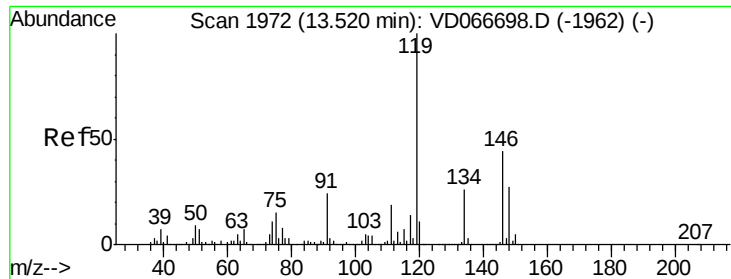
Ion Ratio Lower Upper

119 100

134 25.2 12.9 38.7

91 23.9 12.3 36.9





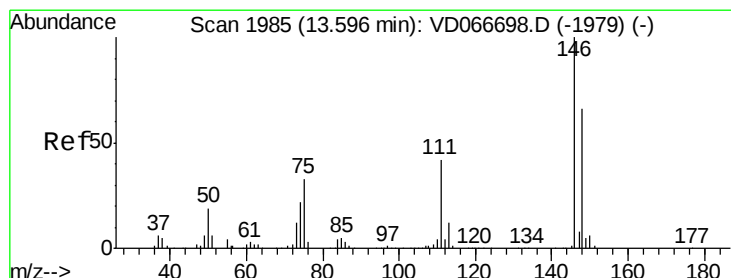
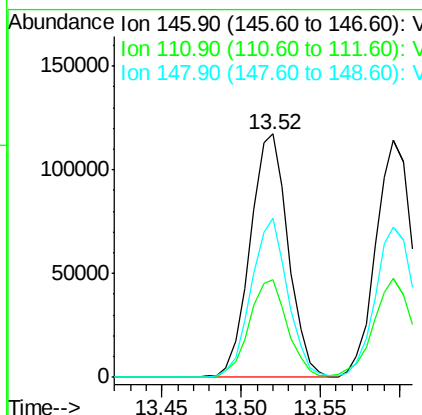
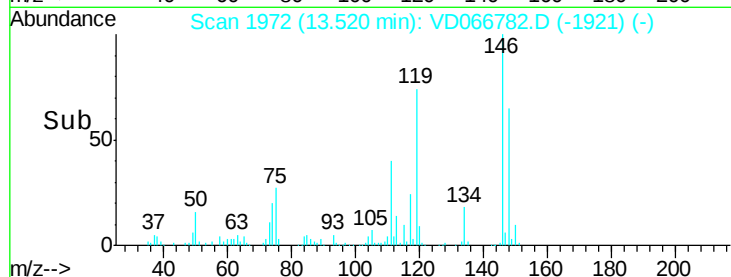
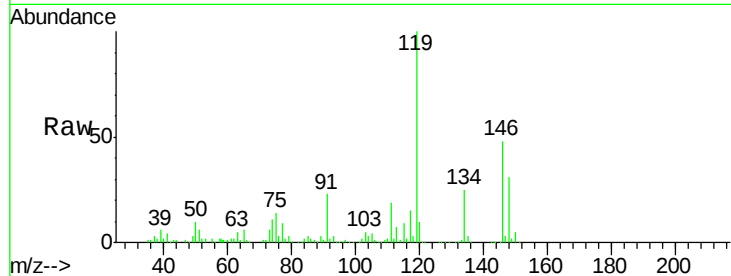
#87
 1,3-Dichlorobenzene
 Concen: 20.165 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066782.D
 Acq: 21 Sep 2020 14:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	194922		
111	40.6	21.1	63.3	
148	63.2	31.4	94.2	

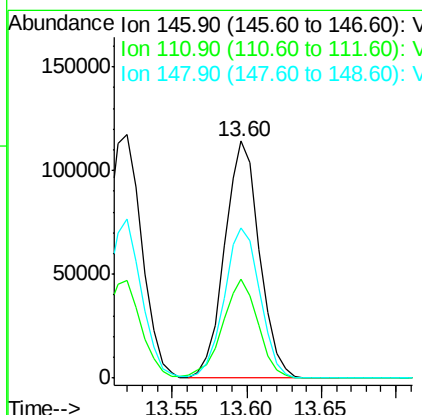
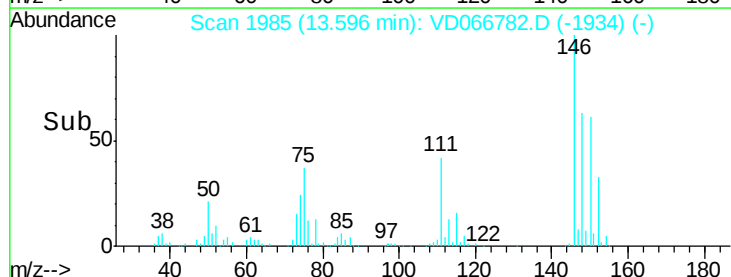
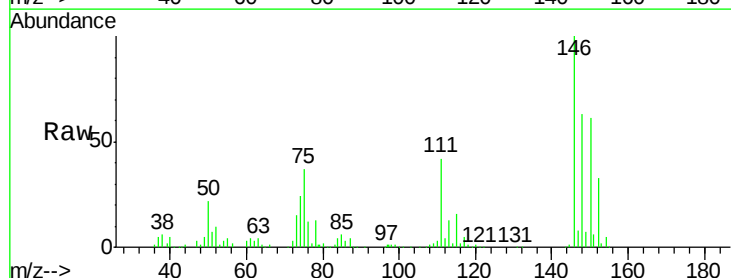
Manual Integrations
 APPROVED

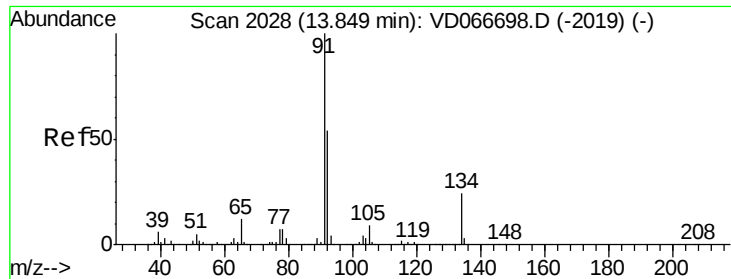
MMDadoda
 9/22/2020 2:09:47 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.345 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD066782.D
 Acq: 21 Sep 2020 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	186215		
111	42.7	20.5	61.6	
148	65.5	32.7	98.1	





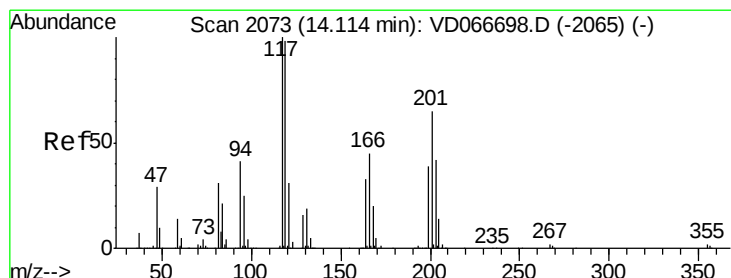
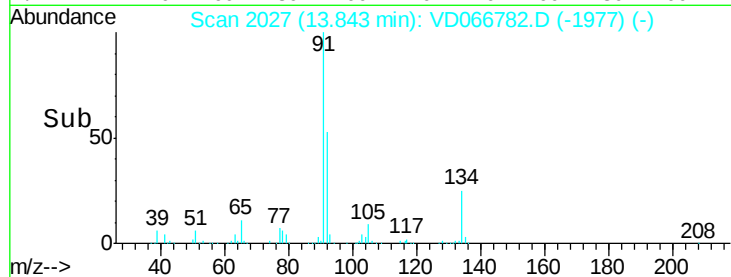
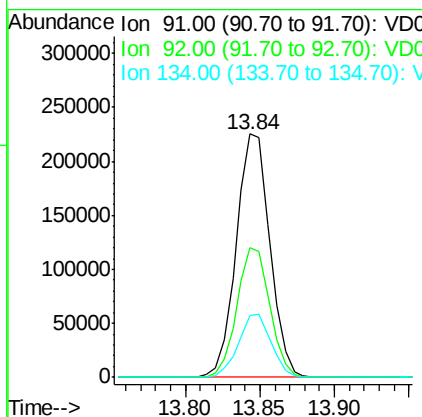
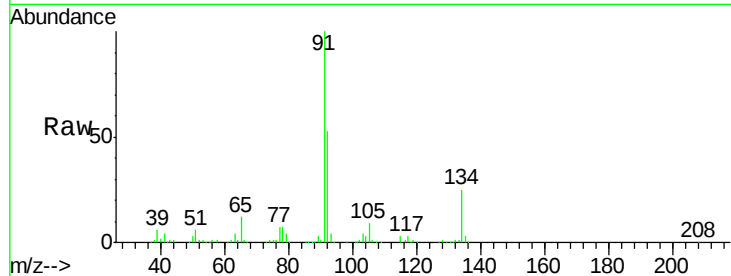
#89
n-Butylbenzene
Concen: 18.677 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066782.D
Acq: 21 Sep 2020 14:59

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.2	27.0	81.0	
134	25.2	12.4	37.0	

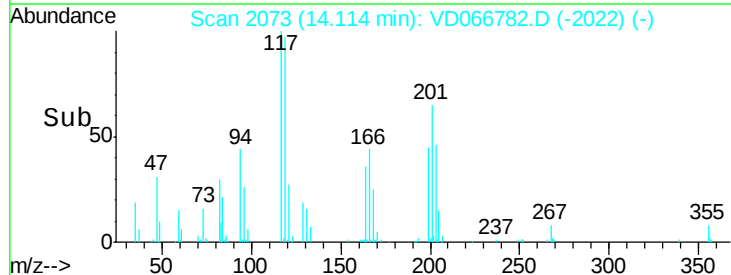
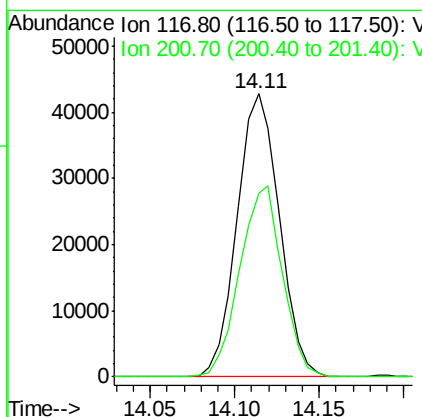
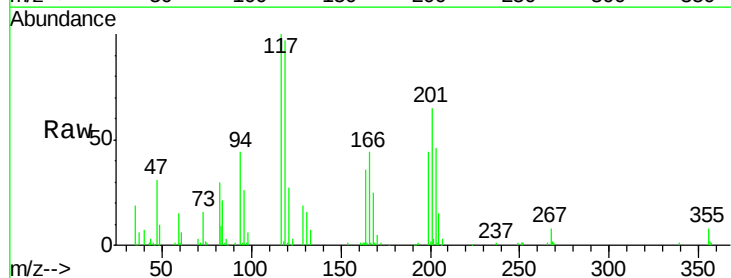
Manual Integrations
APPROVED

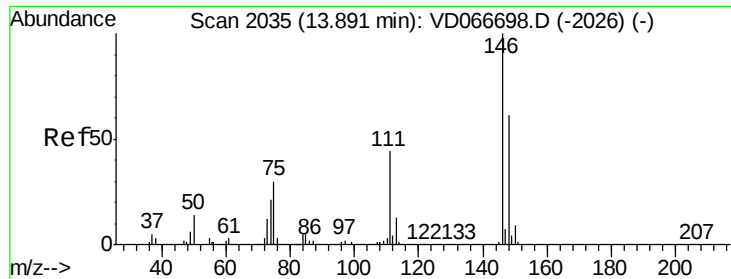
MMDadoda
9/22/2020 2:09:47 PM



#90
Hexachloroethane
Concen: 18.269 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066782.D
Acq: 21 Sep 2020 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	67.8	33.1	99.3	





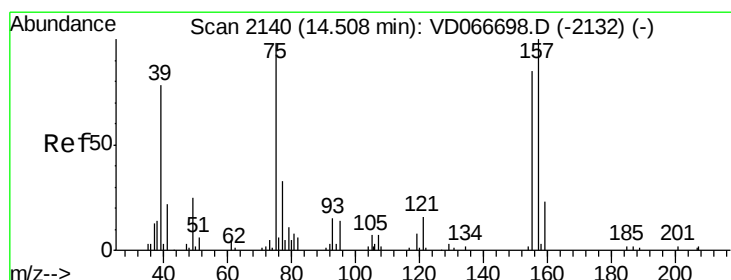
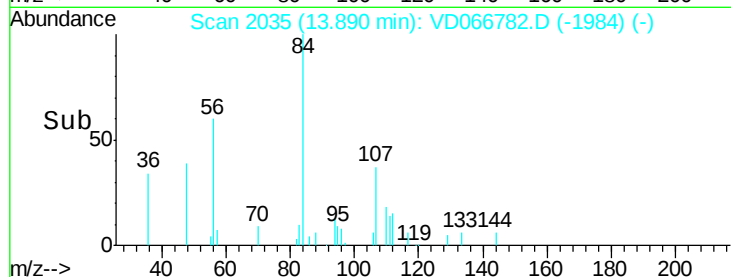
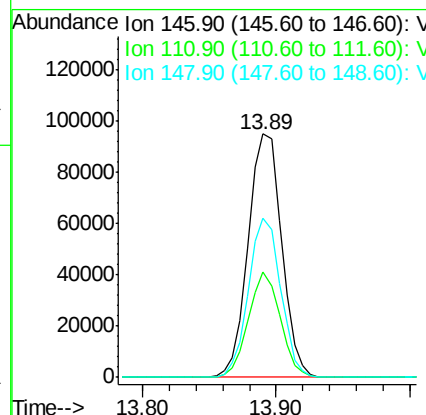
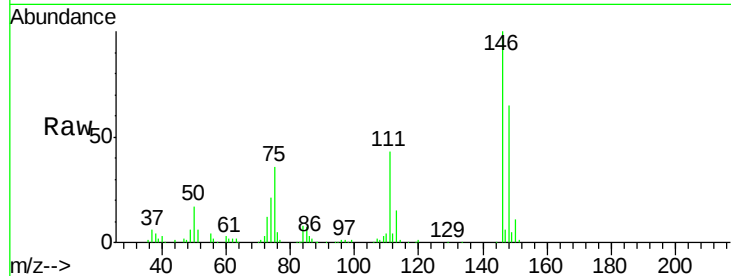
#91
 1,2-Dichlorobenzene
 Concen: 19.865 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD066782.D
 Acq: 21 Sep 2020 14:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	21.6	64.6
148	62.9	31.4	94.3

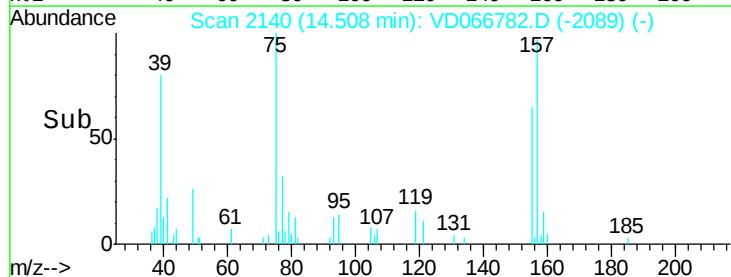
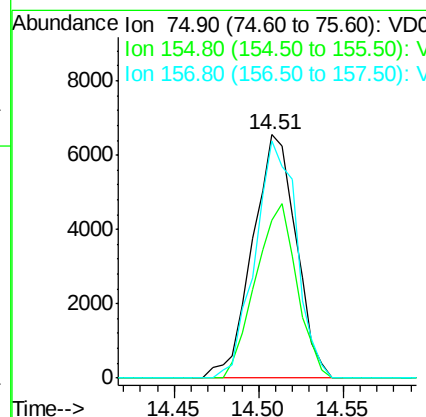
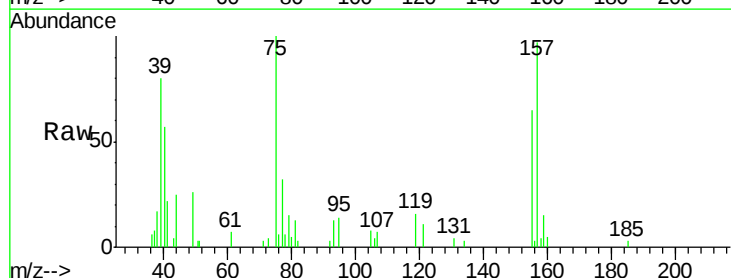
Manual Integrations
 APPROVED

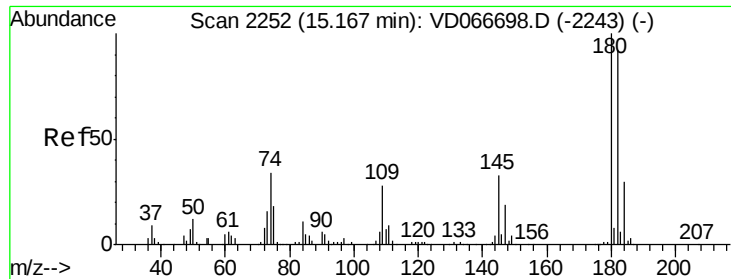
MMDadoda
 9/22/2020 2:09:47 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.509 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.00 min
 Lab File: VD066782.D
 Acq: 21 Sep 2020 14:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	67.9	38.9	116.7
157	93.4	46.4	139.2





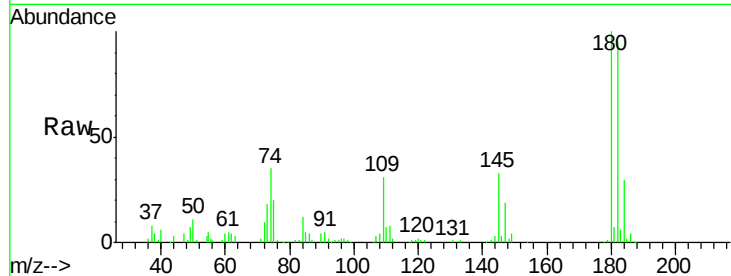
#93
 1,2,4-Trichlorobenzene
 Concen: 20.519 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066782.D
 Acq: 21 Sep 2020 14:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

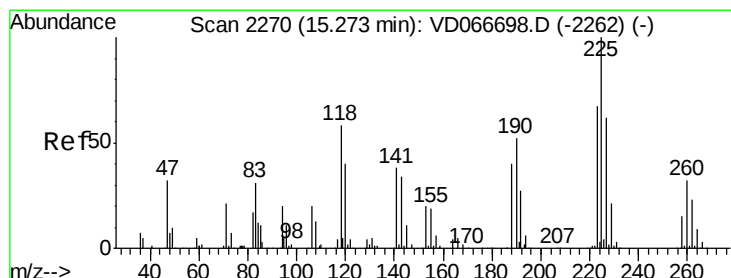
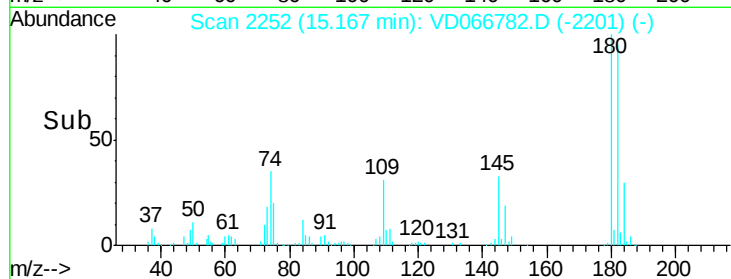
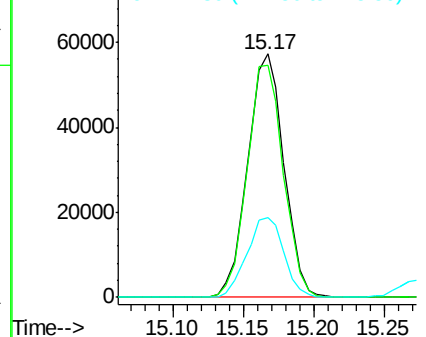
Tot Ion	Ratio	Resp	Lower	Upper
180	100	102795		
182	95.6	46.6	139.7	
145	33.5	16.5	49.5	

Manual Integrations
 APPROVED

MMDadoda
 9/22/2020 2:09:47 PM

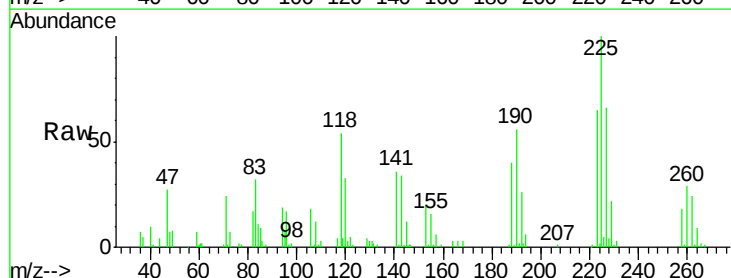


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

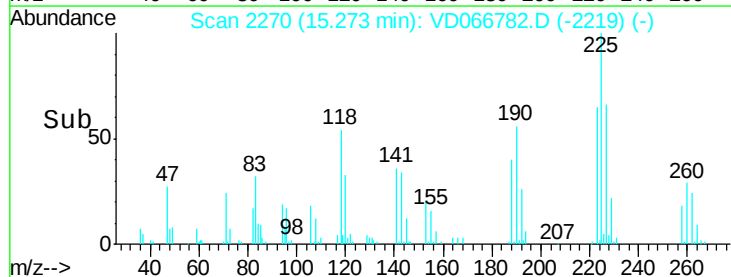
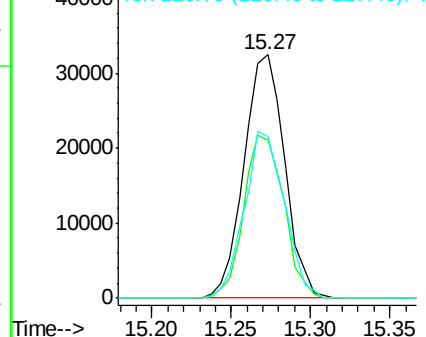


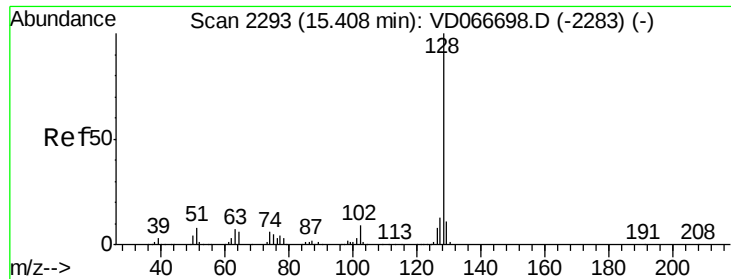
#94
 Hexachlorobutadiene
 Concen: 19.151 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066782.D
 Acq: 21 Sep 2020 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	57802		
223	66.0	31.9	95.9	
227	67.6	31.3	93.9	



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





#95

Naphthalene

Concen: 18.985 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD066782.D

Acq: 21 Sep 2020 14:59

Instrument :

MSVOA_D

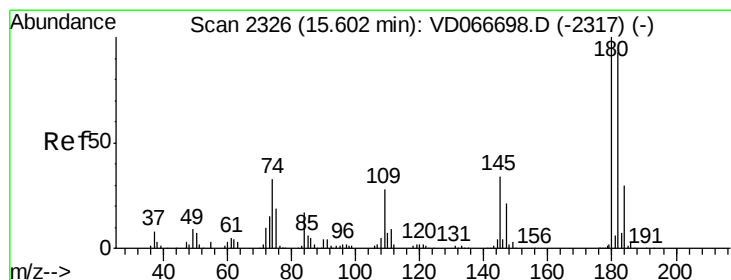
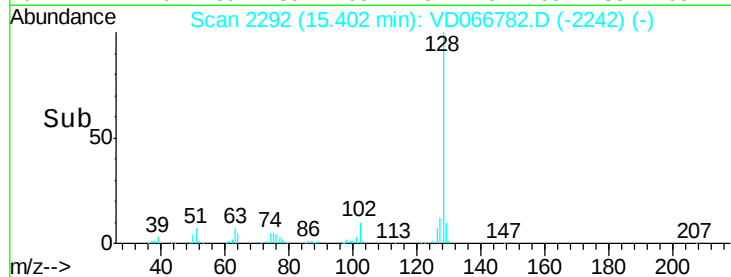
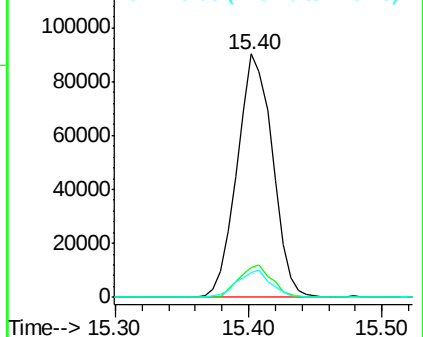
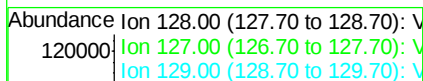
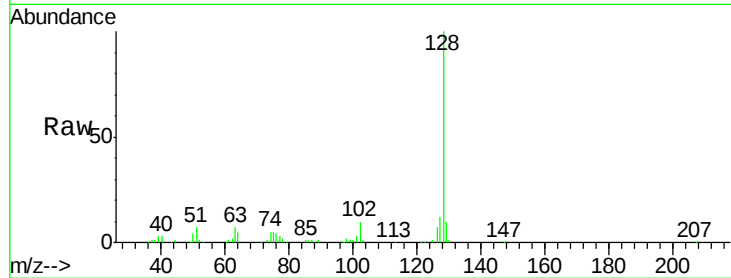
ClientSampleId :

VD0921SBS01

Tot Ion:	128	Resp:	166174
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.5	15.7
129	10.5	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/22/2020 2:09:47 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.855 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD066782.D

Acq: 21 Sep 2020 14:59

Tgt Ion:	180	Resp:	86878
Ion Ratio	Lower	Upper	
180	100		
182	94.8	46.6	139.8
145	33.6	17.1	51.3

