

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091520\
 Data File : VD066697.D
 Acq On : 15 Sep 2020 14:22
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/16/2020 11:44:18 AM

Quant Time: Sep 15 16:30:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:17:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	408013	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	660953	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	599682	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	279133	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	79529	18.27	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	36.54%	
35) Dibromofluoromethane	7.91	113	79170	19.54	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	39.08%	
50) Toluene-d8	10.34	98	273114	18.92	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	37.84%	
62) 4-Bromofluorobenzene	12.63	95	94434	18.95	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	37.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	79183	23.217	ug/l	97
3) Chloromethane	2.21	50	97098	21.869	ug/l	99
4) Vinyl Chloride	2.35	62	98897	21.283	ug/l	97
5) Bromomethane	2.76	94	68961	20.920	ug/l	96
6) Chloroethane	2.91	64	59927	20.702	ug/l	98
7) Trichlorofluoromethane	3.27	101	167552	20.876	ug/l	95
8) Diethyl Ether	3.71	74	41410	20.604	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	90551	20.529	ug/l	99
10) Methyl Iodide	4.30	142	82085	19.614	ug/l	97
11) Tert butyl alcohol	5.21	59	44411	101.118	ug/l #	85
12) 1,1-Dichloroethene	4.06	96	85013	20.823	ug/l	92
13) Acrolein	3.92	56	30627	99.754	ug/l	99
14) Allyl chloride	4.71	41	132608	20.225	ug/l	99
15) Acrylonitrile	5.43	53	83646	95.006	ug/l	98
16) Acetone	4.16	43	84723	95.571	ug/l	100
17) Carbon Disulfide	4.41	76	277724	21.648	ug/l	97
18) Methyl Acetate	4.71	43	40721	19.029	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	177376	19.506	ug/l	96
20) Methylene Chloride	4.96	84	118193	19.685	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	97464	20.491	ug/l	95
22) Diisopropyl ether	6.36	45	275395	20.672	ug/l	97
23) Vinyl Acetate	6.30	43	755787	101.989	ug/l	97
24) 1,1-Dichloroethane	6.26	63	170184	20.131	ug/l	97
25) 2-Butanone	7.21	43	112042	97.061	ug/l	99
26) 2,2-Dichloropropane	7.20	77	156691	20.044	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	103992	19.985	ug/l	97
28) Bromochloromethane	7.55	49	68320	21.636	ug/l	98
29) Tetrahydrofuran	7.56	42	69918	98.997	ug/l	97
30) Chloroform	7.71	83	178881	19.881	ug/l	96
31) Cyclohexane	7.98	56	154538	20.097	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	164398	19.968	ug/l	96
36) 1,1-Dichloropropene	8.11	75	141846	20.873	ug/l	99
37) Ethyl Acetate	7.29	43	52146	20.270	ug/l #	93
38) Carbon Tetrachloride	8.10	117	147433	20.430	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091520\
 Data File : VD066697.D
 Acq On : 15 Sep 2020 14:22
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/16/2020 11:44:18 AM

Quant Time: Sep 15 16:30:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:17:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	157412	20.251	ug/l	98
40) Benzene	8.35	78	384077	20.891	ug/l	95
41) Methacrylonitrile	7.53	41	25847m	20.751	ug/l	
42) 1,2-Dichloroethane	8.42	62	118055	20.727	ug/l	99
43) Isopropyl Acetate	8.45	43	94632	19.543	ug/l	98
44) Trichloroethene	9.11	130	100316	20.408	ug/l	88
45) 1,2-Dichloropropane	9.38	63	93800	20.638	ug/l	99
46) Dibromomethane	9.47	93	51718	20.708	ug/l	98
47) Bromodichloromethane	9.66	83	141518	20.795	ug/l	97
48) Methyl methacrylate	9.45	41	44574	18.097	ug/l	87
49) 1,4-Dioxane	9.46	88	11308	422.678	ug/l #	92
51) 4-Methyl-2-Pentanone	10.23	43	250135	100.337	ug/l	97
52) Toluene	10.40	92	245172	20.817	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	121858	20.044	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	148943	20.626	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	68401	20.772	ug/l	97
56) Ethyl methacrylate	10.66	69	71292	19.078	ug/l	92
57) 1,3-Dichloropropane	10.94	76	116768	20.206	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	185425	112.984	ug/l	99
59) 2-Hexanone	10.98	43	167466	99.977	ug/l	97
60) Dibromochloromethane	11.14	129	86251	20.102	ug/l	98
61) 1,2-Dibromoethane	11.24	107	63914	20.234	ug/l	99
64) Tetrachloroethene	10.87	164	84487	20.639	ug/l	91
65) Chlorobenzene	11.67	112	251846	20.284	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	94122	20.546	ug/l	99
67) Ethyl Benzene	11.74	91	457160	20.328	ug/l	96
68) m/p-Xylenes	11.85	106	355082	41.775	ug/l	97
69) o-Xylene	12.18	106	152067	20.245	ug/l	100
70) Styrene	12.20	104	272270	20.595	ug/l	99
71) Bromoform	12.36	173	43788	19.046	ug/l #	96
73) Isopropylbenzene	12.48	105	422327	20.267	ug/l	99
74) N-amyl acetate	12.29	43	84425	19.206	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	70696	19.966	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	46099m	19.513	ug/l	
77) Bromobenzene	12.76	156	94959	19.772	ug/l	98
78) n-propylbenzene	12.82	91	519297	20.443	ug/l	99
79) 2-Chlorotoluene	12.91	91	293710	20.449	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	364639	20.696	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	22369	20.205	ug/l	98
82) 4-Chlorotoluene	13.00	91	315425	20.769	ug/l	99
83) tert-Butylbenzene	13.23	119	295016	20.315	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	371509	21.099	ug/l	99
85) sec-Butylbenzene	13.40	105	426678	20.495	ug/l	99
86) p-Isopropyltoluene	13.52	119	380332	20.095	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	186983	20.293	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	184027	20.056	ug/l	99
89) n-Butylbenzene	13.85	91	357264	19.851	ug/l	99
90) Hexachloroethane	14.11	117	79987	20.572	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	158221	20.040	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11178	19.529	ug/l	99

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091520\
Data File : VD066697.D
Acq On : 15 Sep 2020 14:22
Operator : VA/SY
Sample : VSTDICC020
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

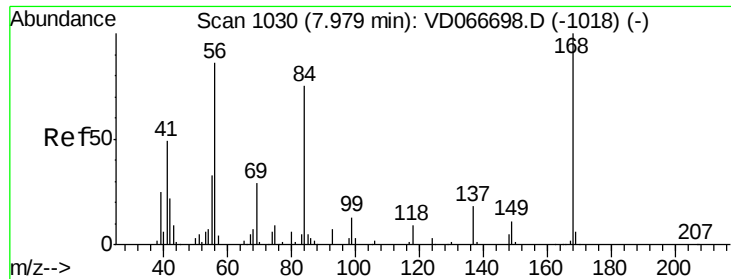
Manual Integrations
APPROVED

MMDadoda
9/16/2020 11:44:18 AM

Quant Time: Sep 15 16:30:52 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 15 16:17:06 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	94675	19.826	ug/l	98
94) Hexachlorobutadiene	15.27	225	57268	19.905	ug/l	99
95) Naphthalene	15.41	128	156096	18.709	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	82408	19.757	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 408013

Ion Ratio Lower Upper

168 100

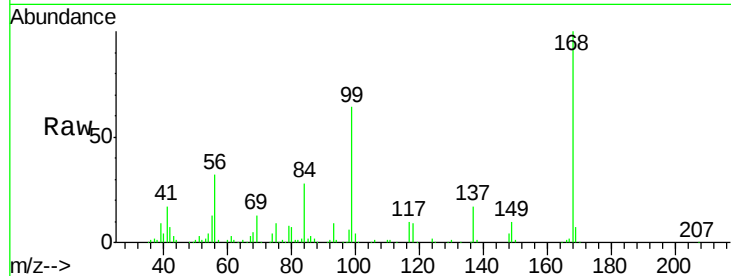
99 63.7 54.4 81.6

Manual Integrations

APPROVED

MMDadoda

9/16/2020 11:44:18 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

200000

150000

100000

50000

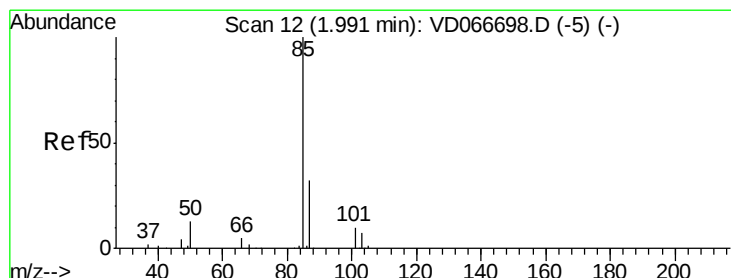
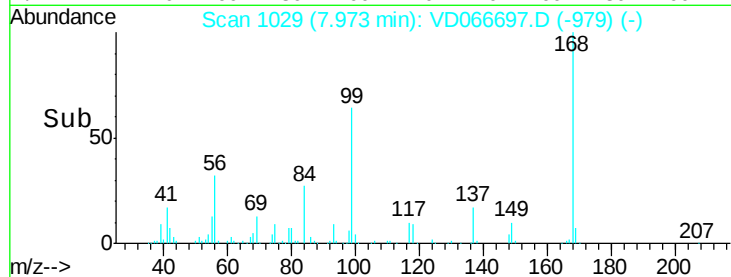
0

Time-->

7.90

8.00

8.10



#2

Dichlorodifluoromethane

Concen: 23.217 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD066697.D

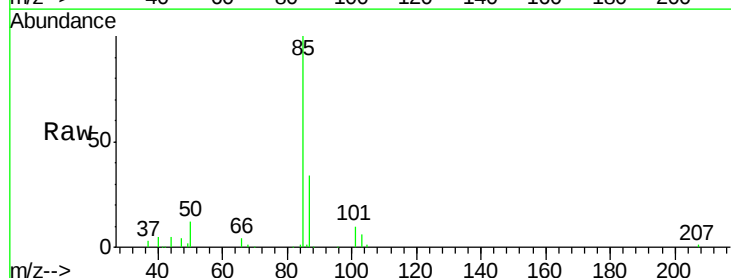
Acq: 15 Sep 2020 14:22

Tgt Ion: 85 Resp: 79183

Ion Ratio Lower Upper

85 100

87 33.6 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

40000

20000

0

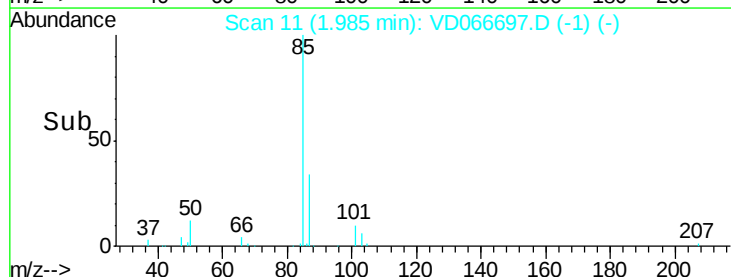
Time-->

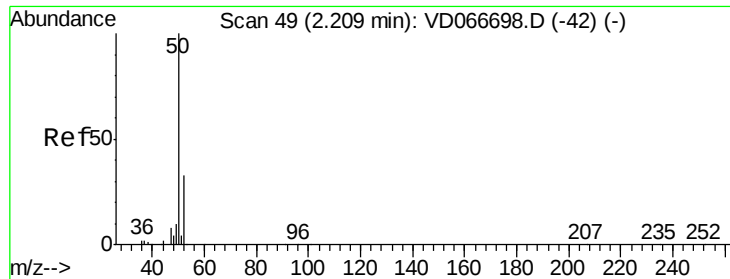
1.90

1.95

2.00

2.05





#3

Chloromethane

Concen: 21.869 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 97098

Ion Ratio Lower Upper

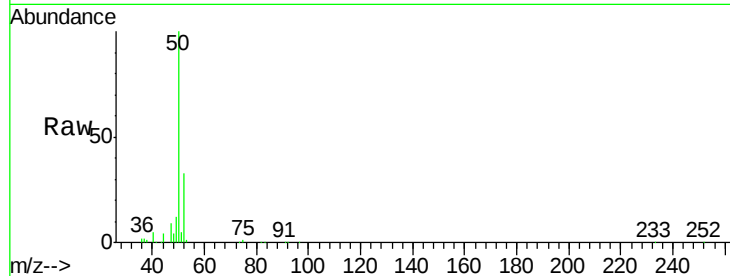
50 100

52 33.1 26.8 40.2

Manual Integrations
APPROVED

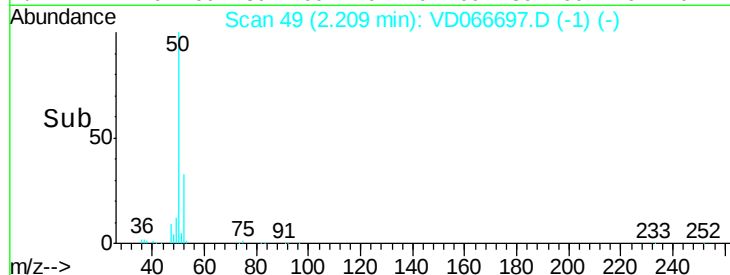
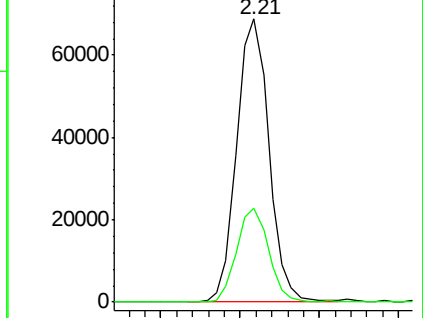
MMDadoda

9/16/2020 11:44:18 AM

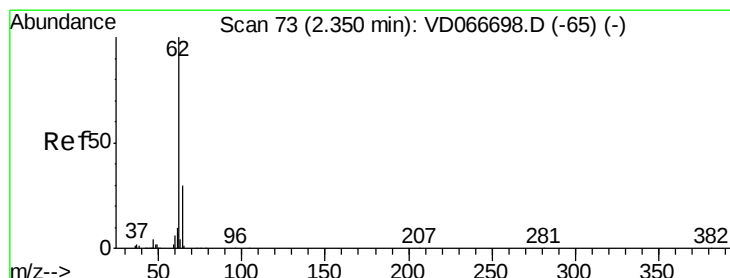


Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



Time-->



#4

Vinyl Chloride

Concen: 21.283 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066697.D

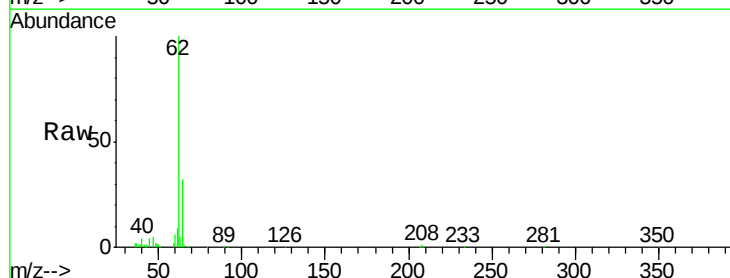
Acq: 15 Sep 2020 14:22

Tgt Ion: 62 Resp: 98897

Ion Ratio Lower Upper

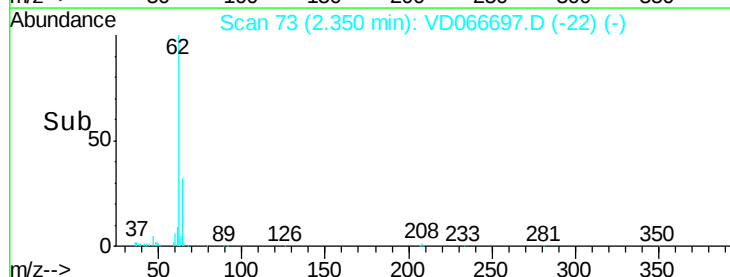
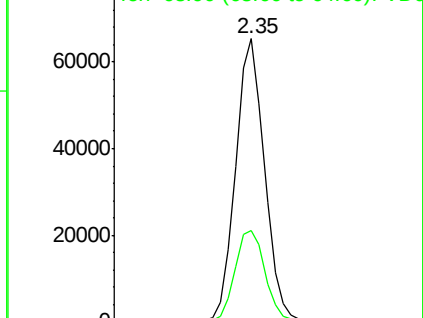
62 100

64 32.4 24.4 36.6

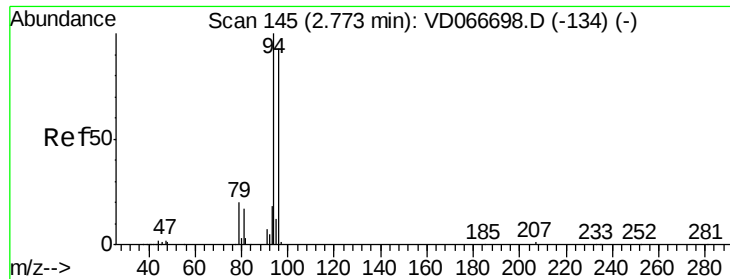


Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC



Time-->



#5

Bromomethane

Concen: 20.920 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 68961

Ion Ratio Lower Upper

94 100

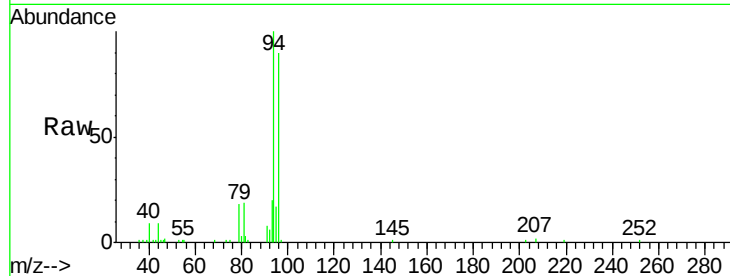
96 89.9 74.7 112.1

Manual Integrations

APPROVED

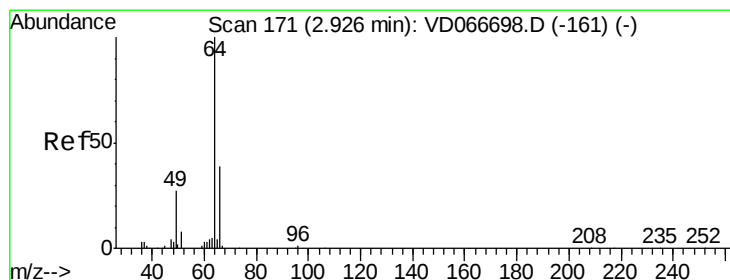
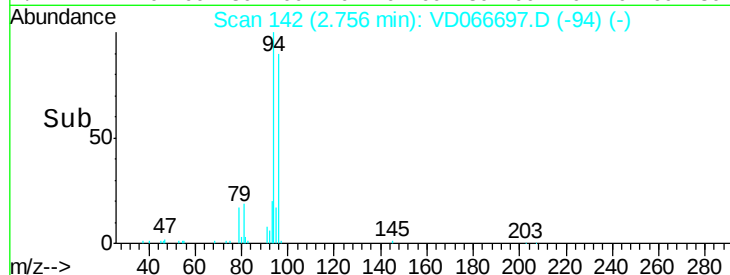
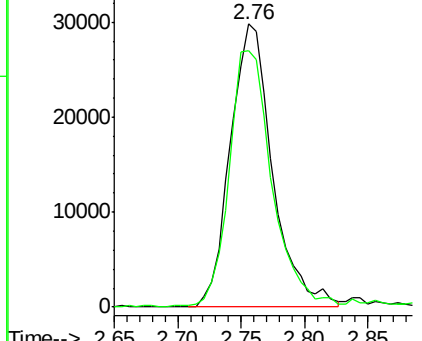
MMDadoda

9/16/2020 11:44:18 AM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.702 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD066697.D

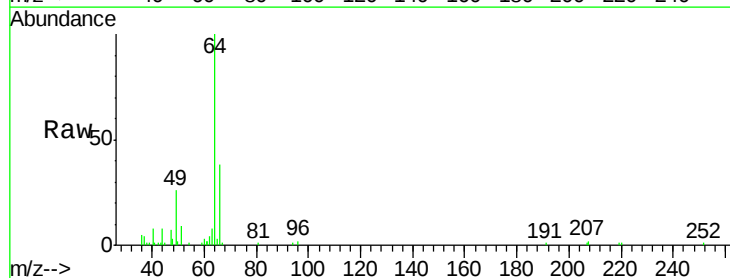
Acq: 15 Sep 2020 14:22

Tgt Ion: 64 Resp: 59927

Ion Ratio Lower Upper

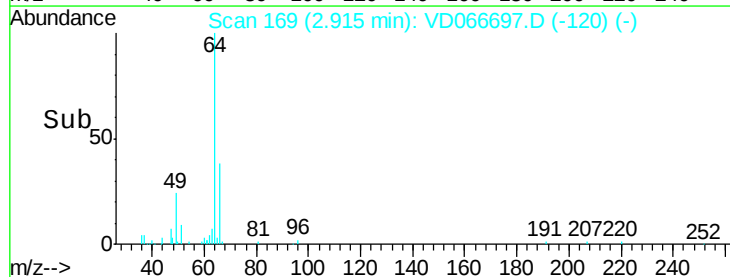
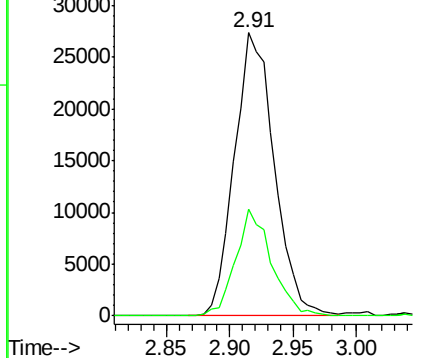
64 100

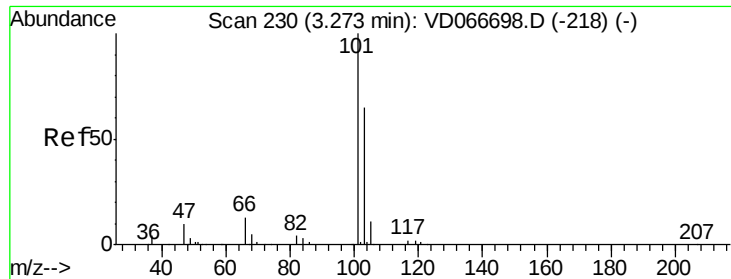
66 37.6 30.9 46.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

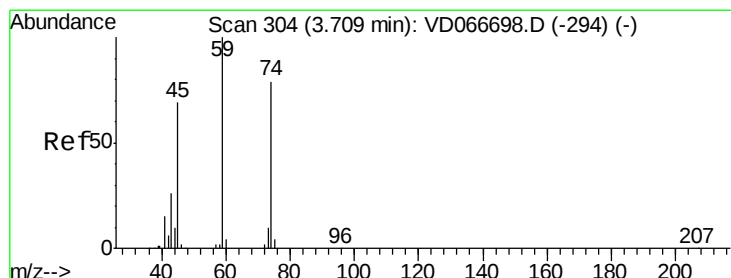
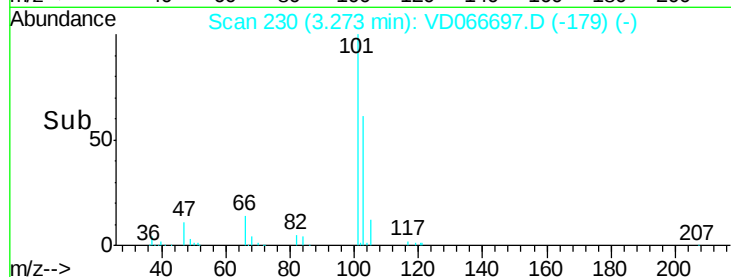
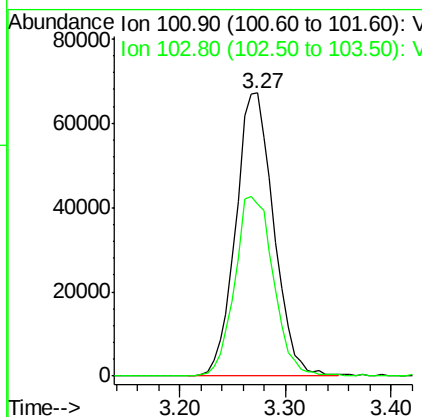
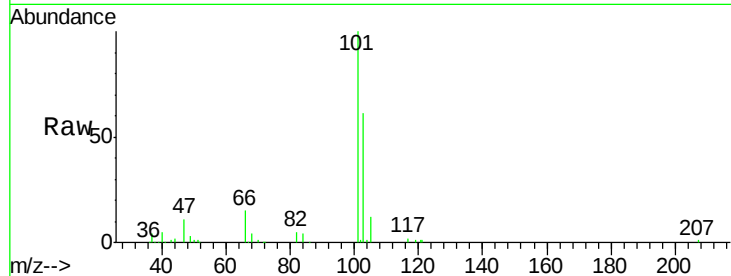
Trichlorofluoromethane
 Concen: 20.876 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD066697.D
 Acq: 15 Sep 2020 14:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
101	100	167552		
103	60.8	51.8	77.8	

Manual Integrations
 APPROVED

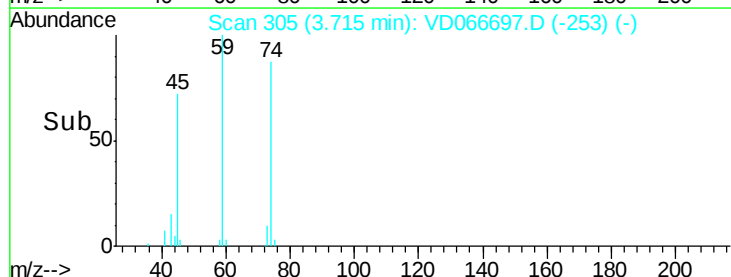
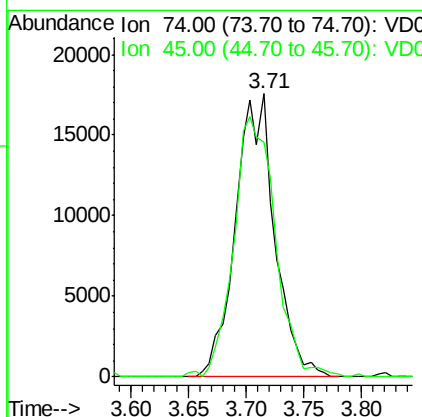
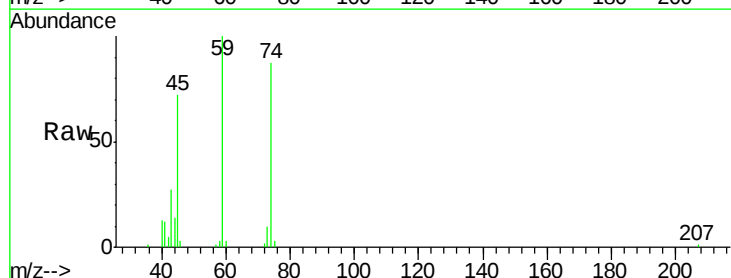
MMDadoda
 9/16/2020 11:44:18 AM

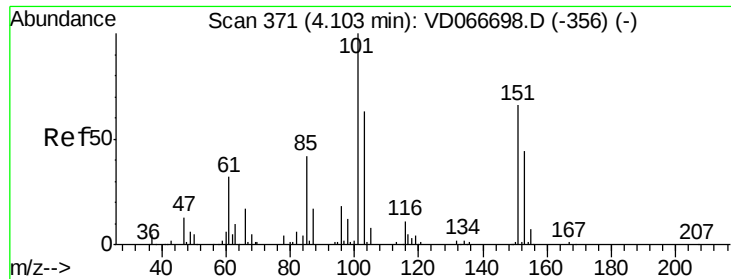


#8

Diethyl Ether
 Concen: 20.604 ug/l
 RT: 3.71 min Scan# 305
 Delta R.T. 0.01 min
 Lab File: VD066697.D
 Acq: 15 Sep 2020 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	41410		
45	97.7	48.0	144.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.529 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Instrument :

MSVOA_D

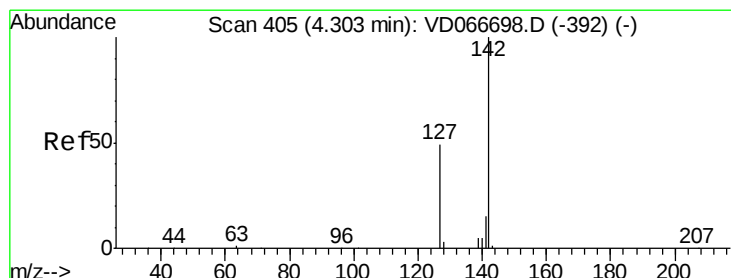
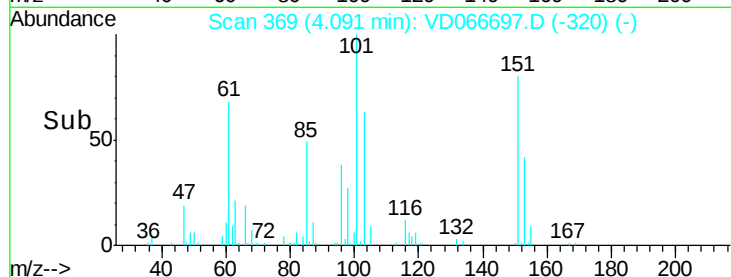
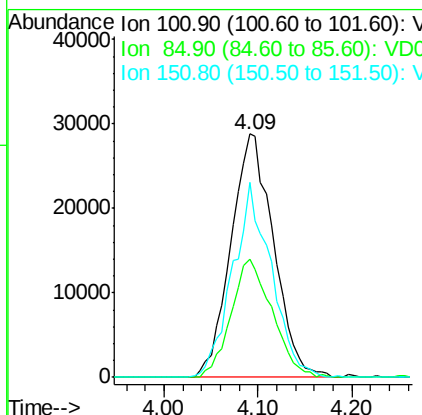
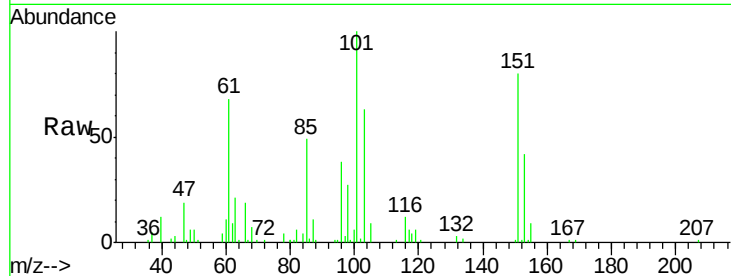
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	90551
Ion Ratio	Lower	Upper	
101	100		
85	46.9	36.3	54.5
151	72.5	58.0	87.0

Manual Integrations
APPROVED

MMDadoda
9/16/2020 11:44:18 AM



#10

Methyl Iodide

Concen: 19.614 ug/l

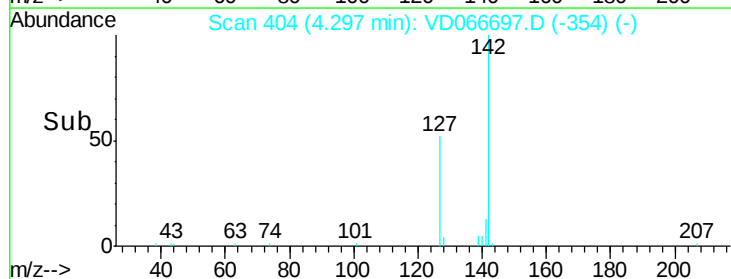
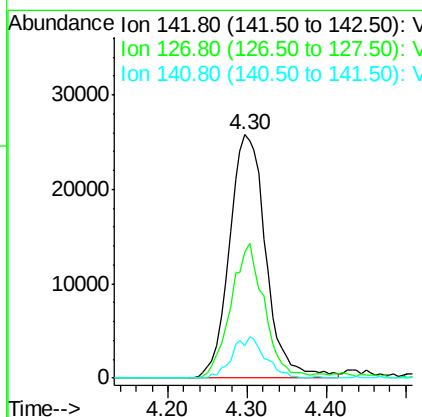
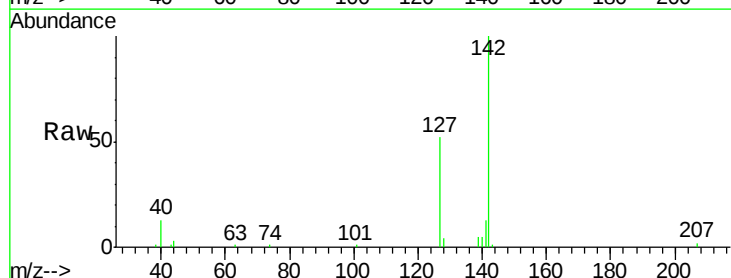
RT: 4.30 min Scan# 404

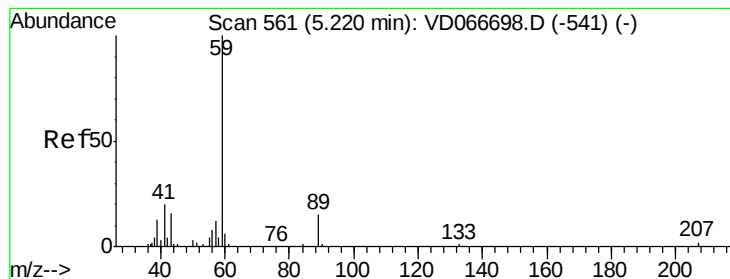
Delta R.T. -0.01 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Tgt Ion:	142	Resp:	82085
Ion Ratio	Lower	Upper	
142	100		
127	50.9	39.0	58.4
141	15.4	11.7	17.5





#11

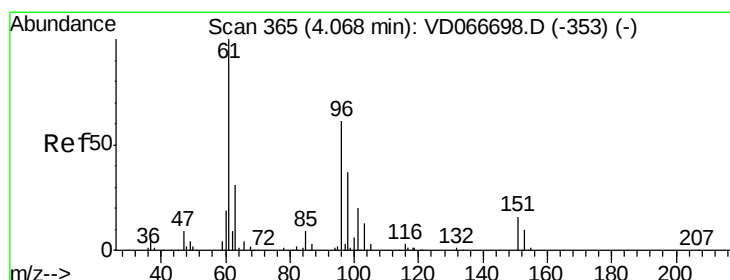
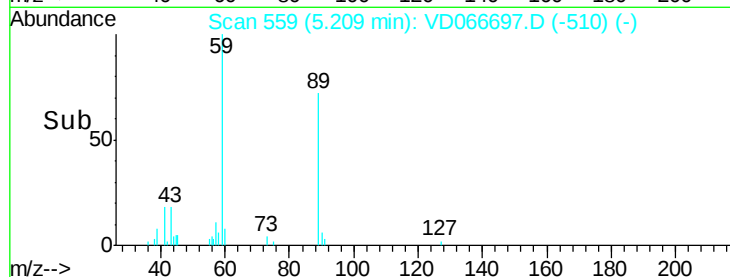
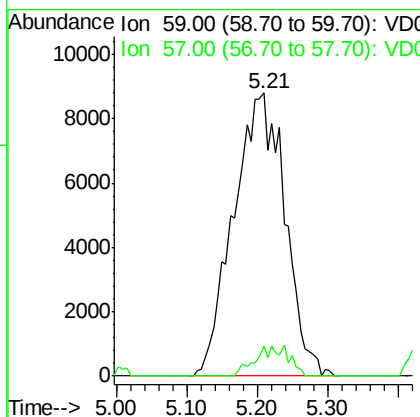
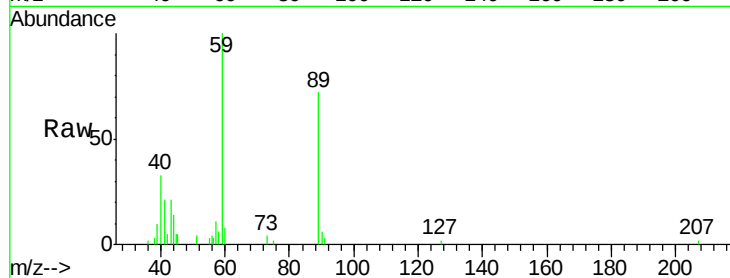
Tert butyl alcohol
Concen: 101.118 ug/l
RT: 5.21 min Scan# 559
Delta R.T. -0.01 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
59	100	44411		
57	3.0	6.7	10.1#	

Manual Integrations
APPROVED

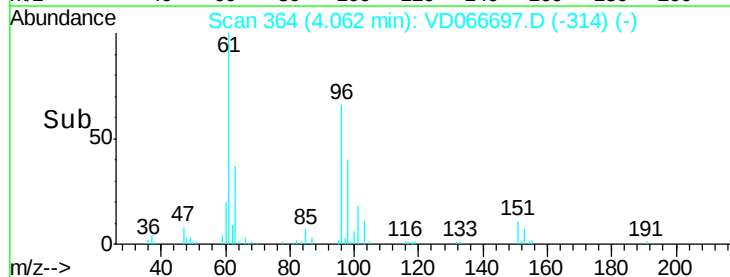
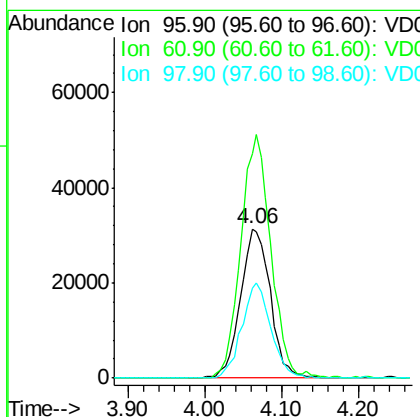
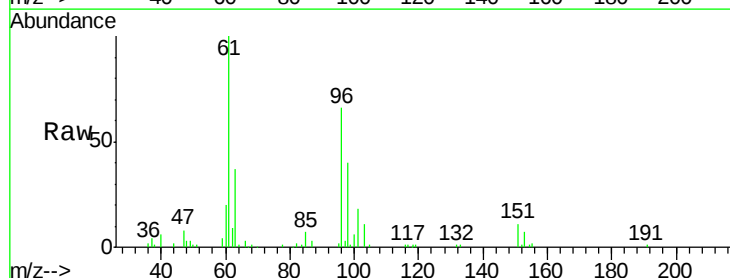
MMDadoda
9/16/2020 11:44:18 AM

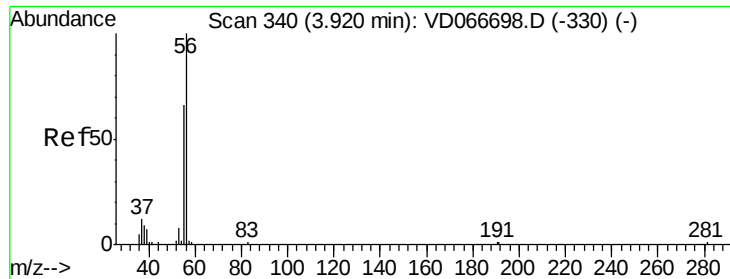


#12

1,1-Dichloroethene
Concen: 20.823 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.01 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	85013		
61	150.8	131.9	197.9	
98	59.9	49.1	73.7	





#13

Acrolein

Concen: 99.754 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC020

Tot Ion: 56 Resp: 30627

Ion Ratio Lower Upper

56 100

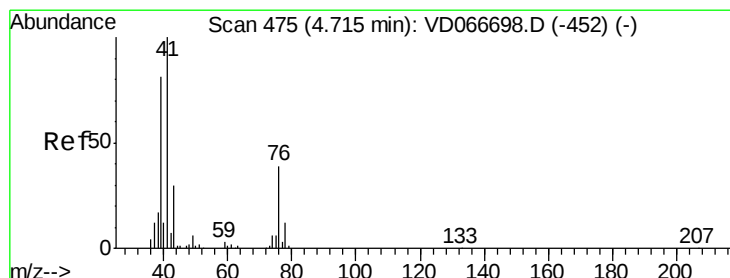
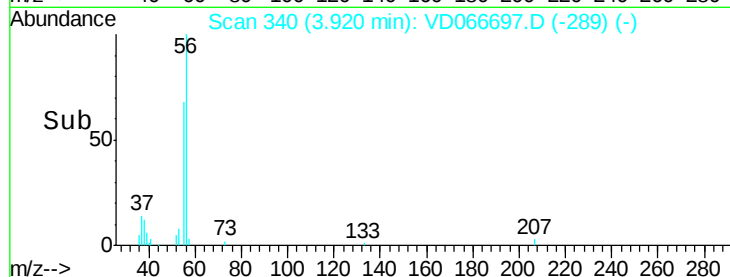
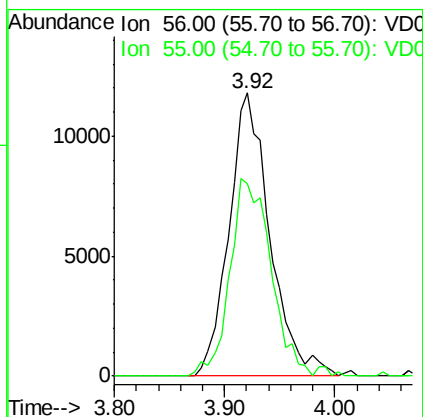
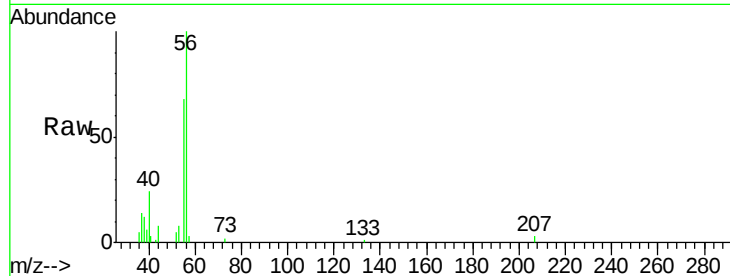
55 69.6 54.7 82.1

Manual Integrations

APPROVED

MMDadoda

9/16/2020 11:44:18 AM



#14

Allyl chloride

Concen: 20.225 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

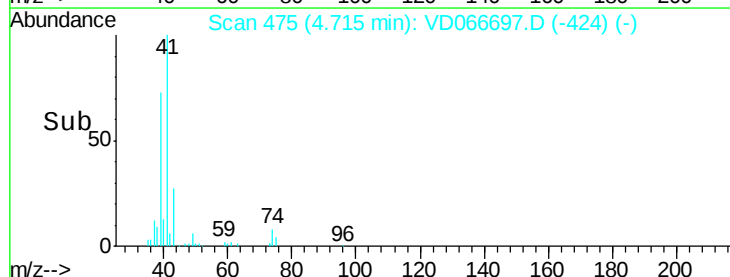
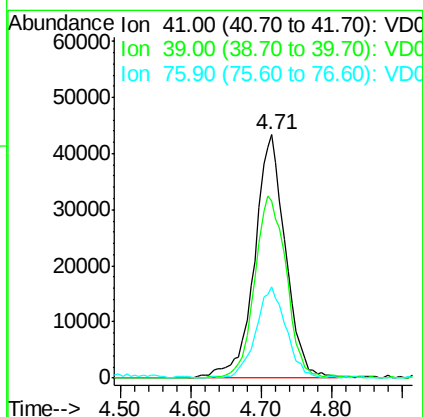
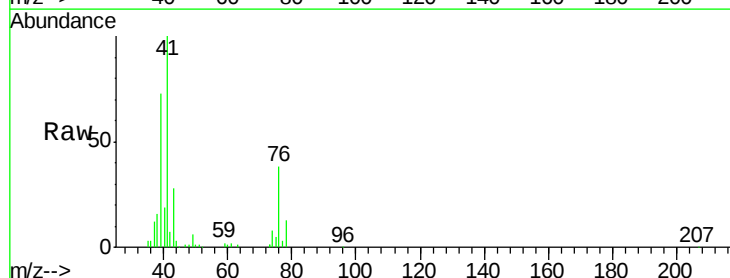
Tgt Ion: 41 Resp: 132608

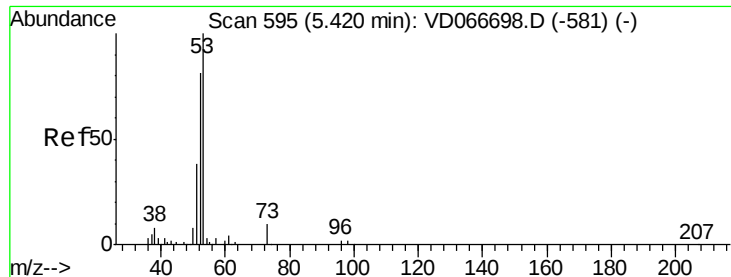
Ion Ratio Lower Upper

41 100

39 76.4 60.6 90.8

76 36.4 29.2 43.8





#15

Acrylonitrile

Concen: 95.006 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Instrument :

MSVOA_D

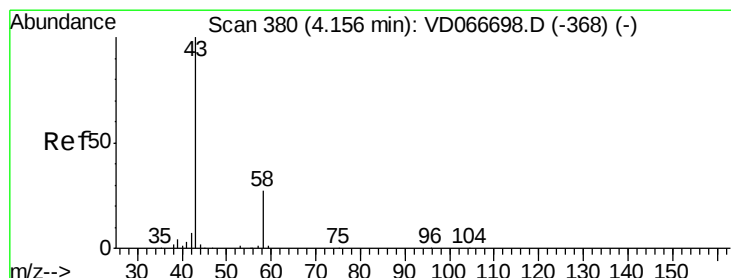
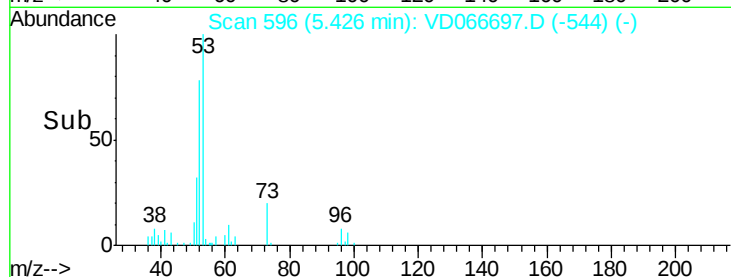
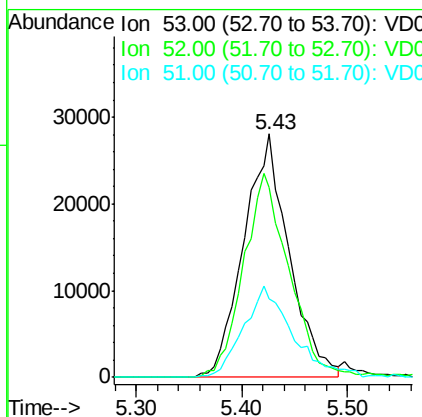
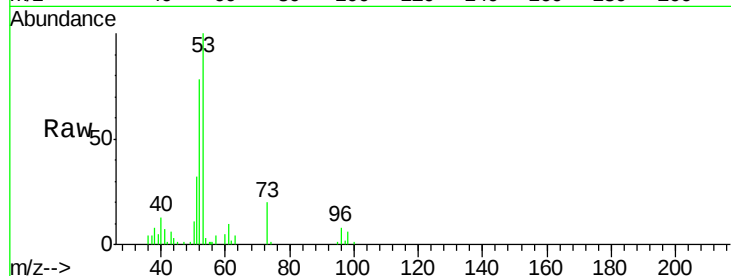
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	83646
Ion Ratio	Lower	Upper	
53	100		
52	84.1	66.6	99.8
51	40.8	31.0	46.6

Manual Integrations
APPROVED

MMDadoda
9/16/2020 11:44:18 AM



#16

Acetone

Concen: 95.571 ug/l

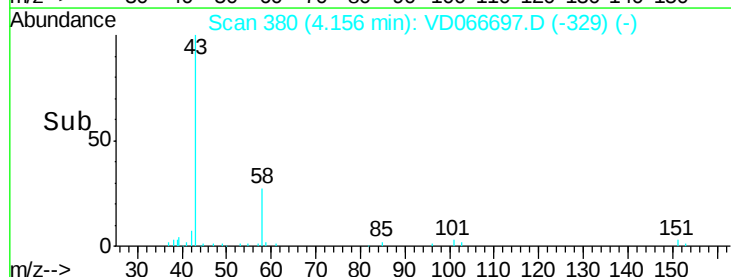
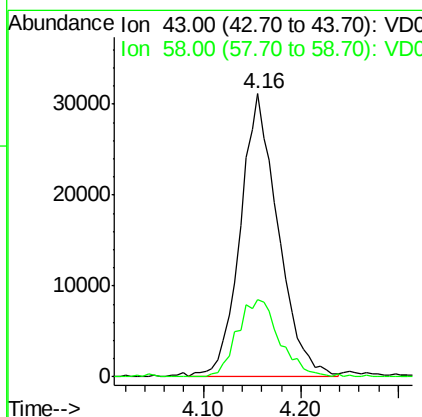
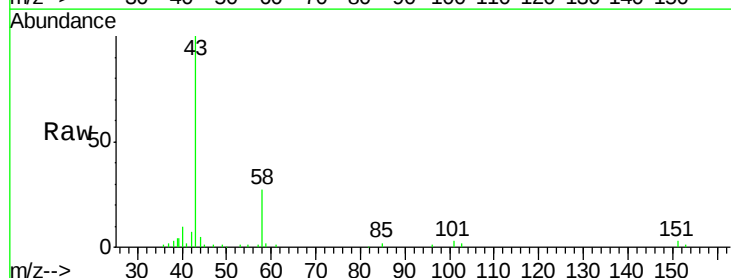
RT: 4.16 min Scan# 380

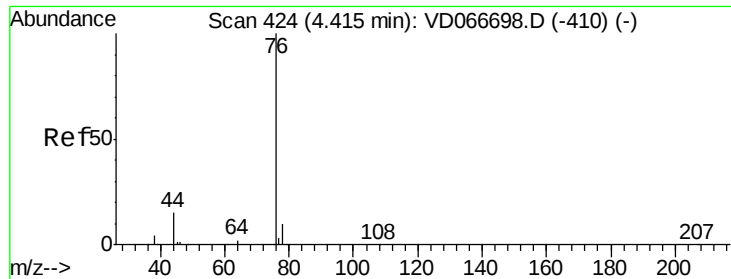
Delta R.T. 0.00 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Tgt Ion:	43	Resp:	84723
Ion Ratio	Lower	Upper	
43	100		
58	27.4	21.9	32.9





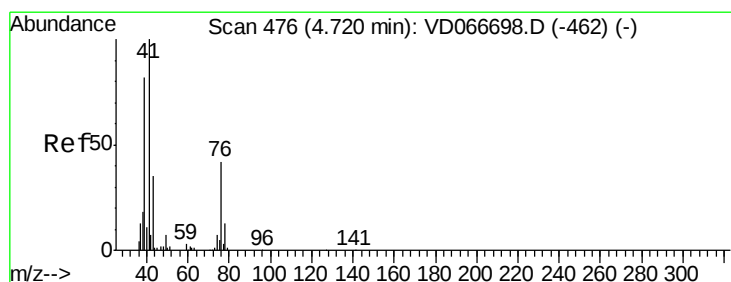
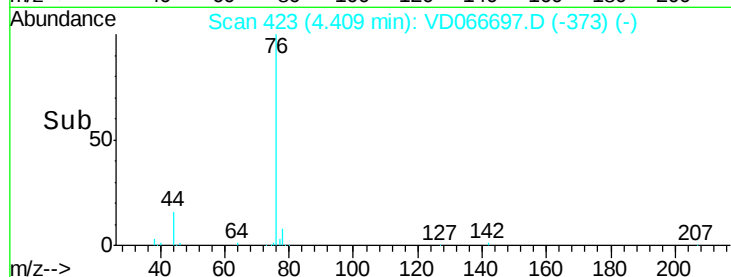
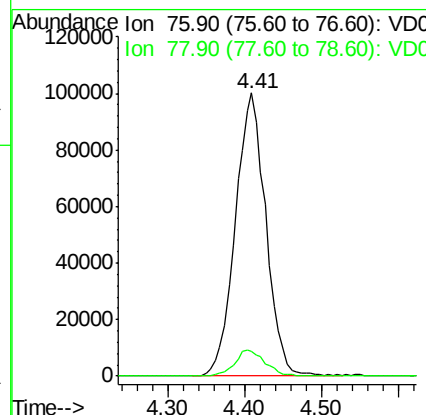
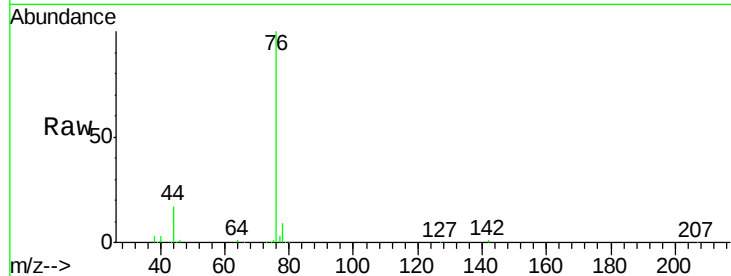
#17
Carbon Disulfide
Concen: 21.648 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.01 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	8.0	12.0

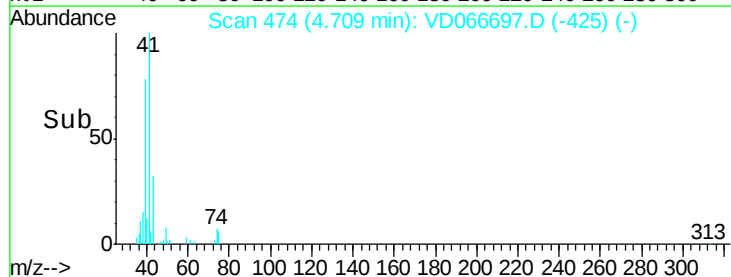
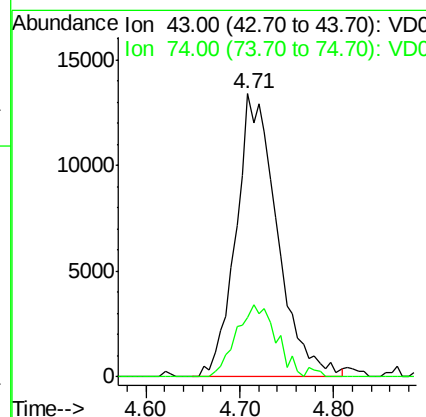
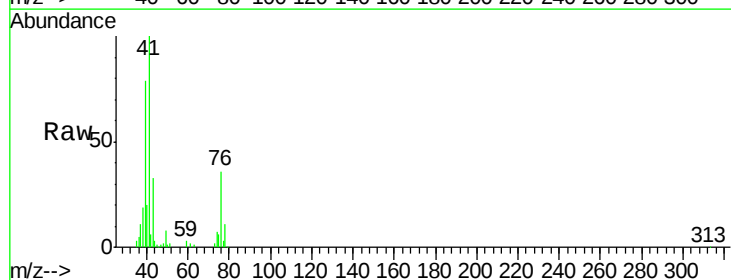
Manual Integrations
APPROVED

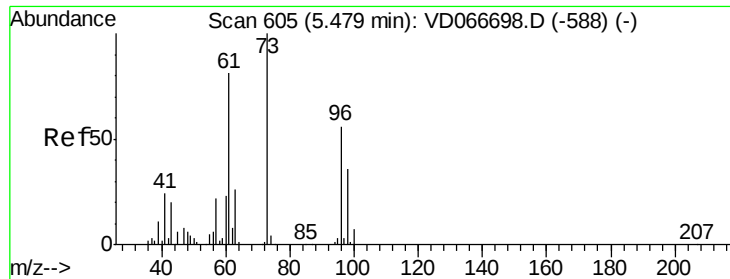
MMDadoda
9/16/2020 11:44:18 AM



#18
Methyl Acetate
Concen: 19.029 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	18.6	28.0





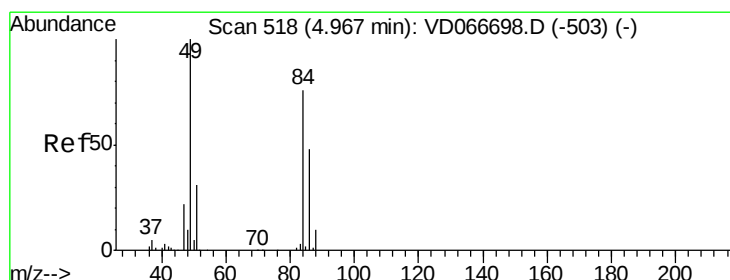
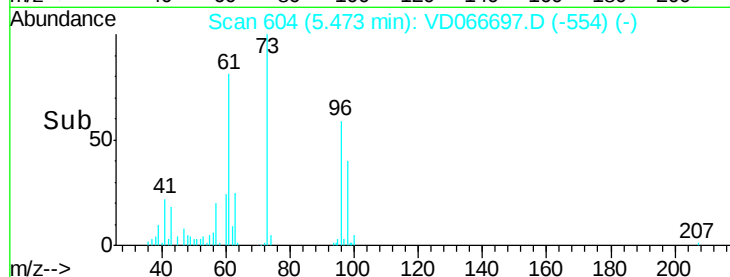
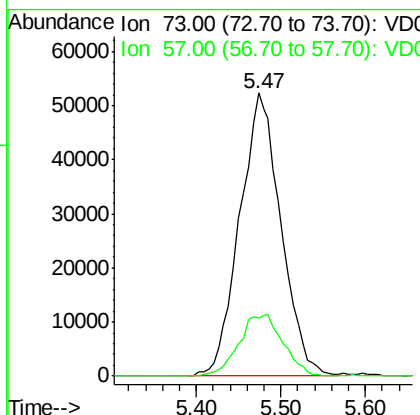
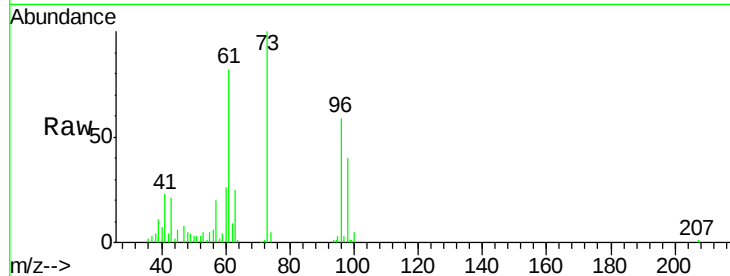
#19
Methvl tert-butvl Ether
Concen: 19.506 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 177376
Ion Ratio Lower Upper
73 100
57 20.4 17.8 26.6

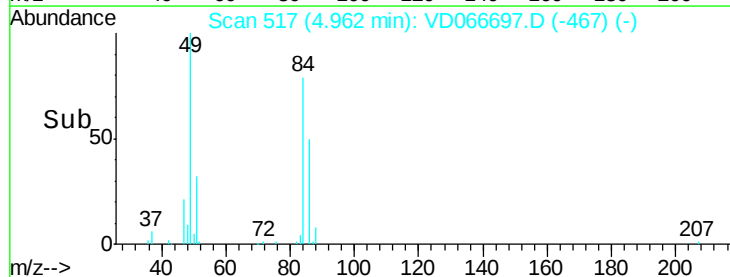
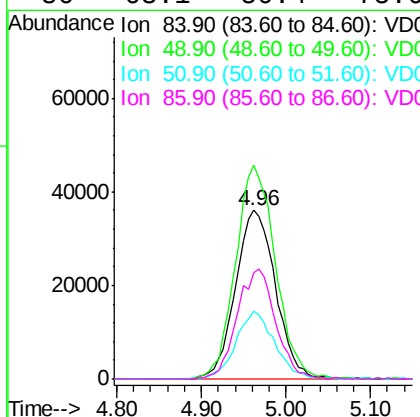
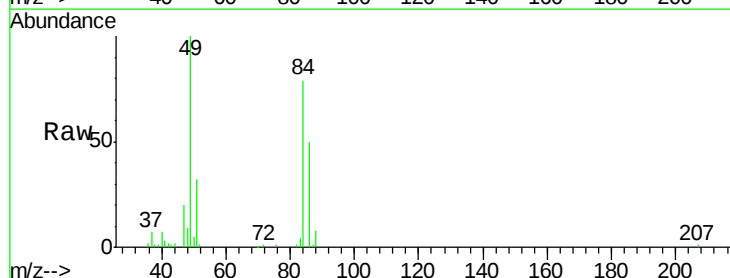
Manual Integrations
APPROVED

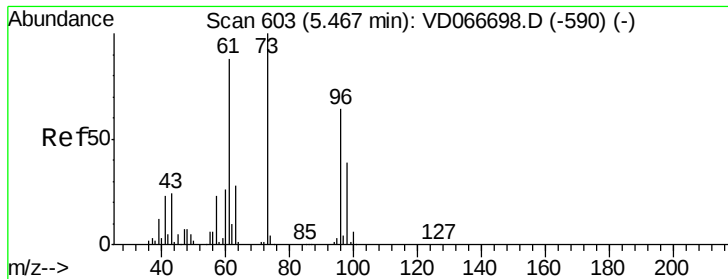
MMDadoda
9/16/2020 11:44:18 AM



#20
Methylene Chloride
Concen: 19.685 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Tgt Ion: 84 Resp: 118193
Ion Ratio Lower Upper
84 100
49 126.8 105.0 157.6
51 40.0 32.2 48.4
86 63.1 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 20.491 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Instrument :

MSVOA_D

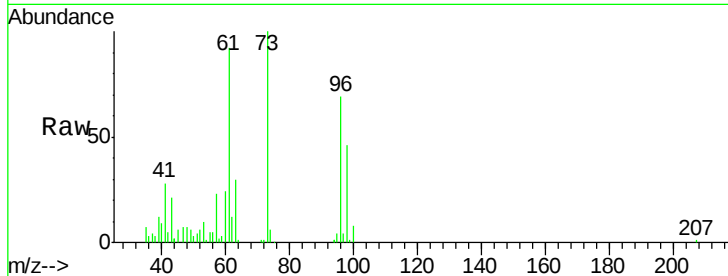
ClientSampleId :

VSTDIC020

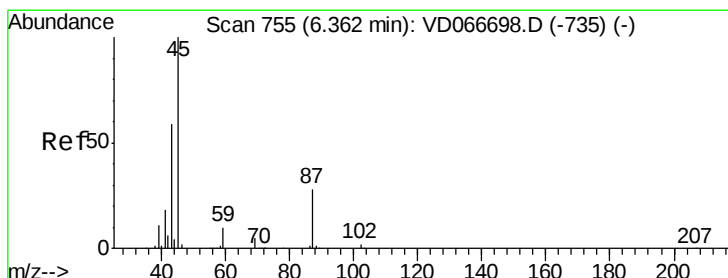
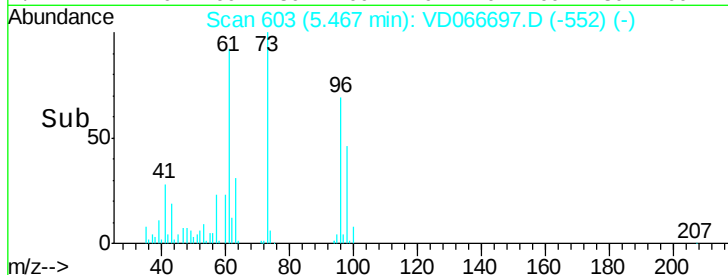
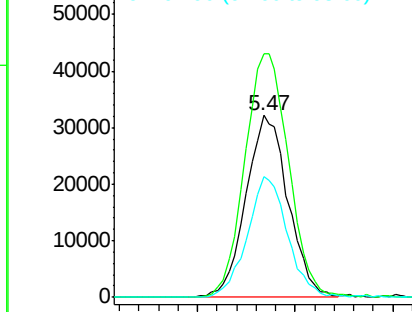
Tot Ion:	96	Resp:	97464
Ion	Ratio	Lower	Upper
96	100		
61	133.8	110.6	166.0
98	66.7	49.2	73.8

Manual Integrations
APPROVED

MMDadoda
9/16/2020 11:44:18 AM



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



#22

Diisopropyl ether

Concen: 20.672 ug/l

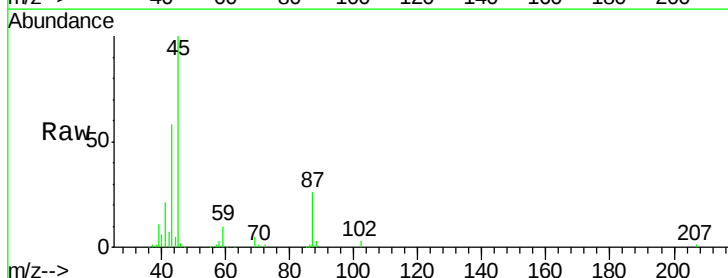
RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

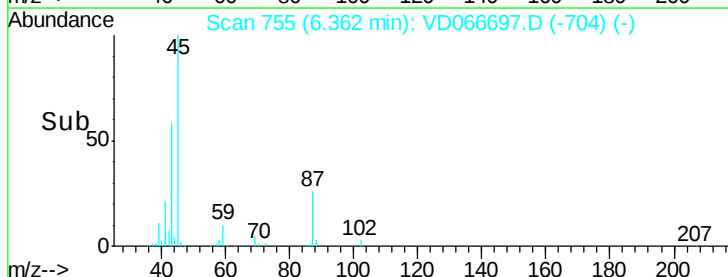
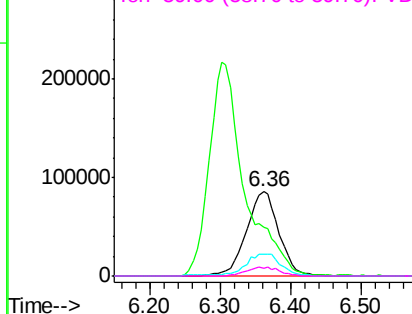
Lab File: VD066697.D

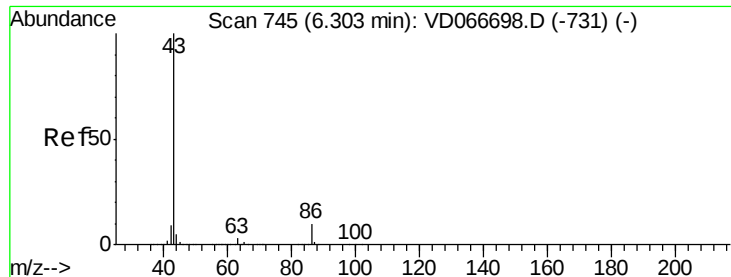
Acq: 15 Sep 2020 14:22

Tgt Ion:	45	Resp:	275395
Ion	Ratio	Lower	Upper
45	100		
43	57.1	46.9	70.3
87	25.8	22.4	33.6
59	9.6	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: 101.989 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC020

Tot Ion: 43 Resp: 755787

Ion Ratio Lower Upper

43 100

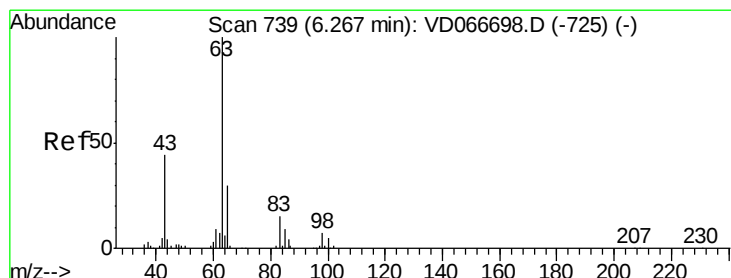
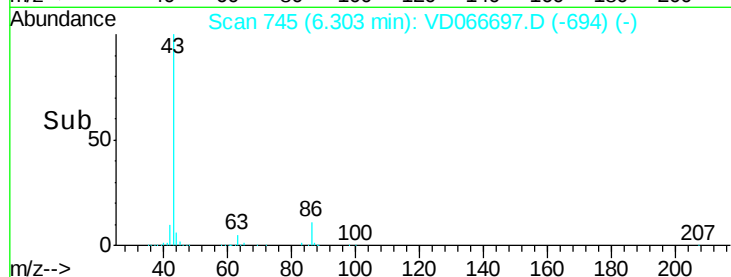
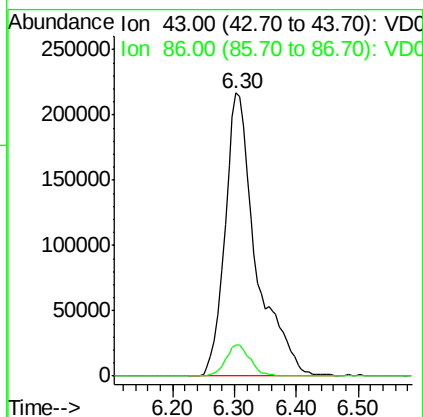
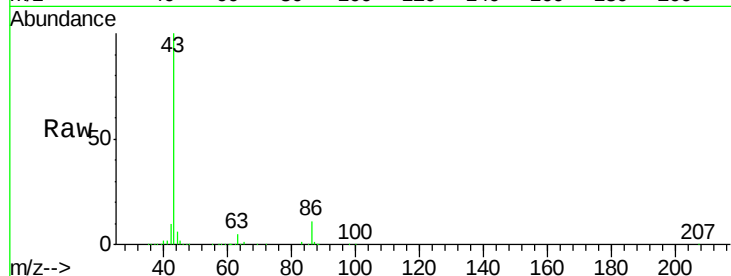
86 11.0 7.8 11.8

Manual Integrations

APPROVED

MMDadoda

9/16/2020 11:44:18 AM



#24

1,1-Dichloroethane

Concen: 20.131 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

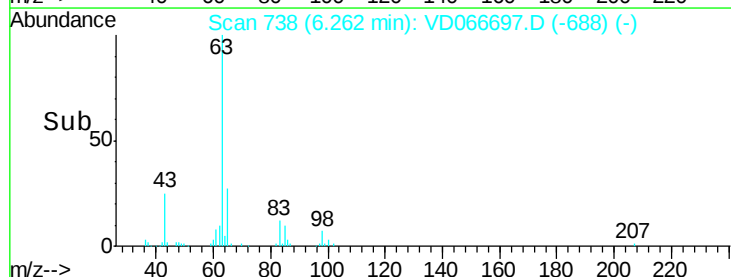
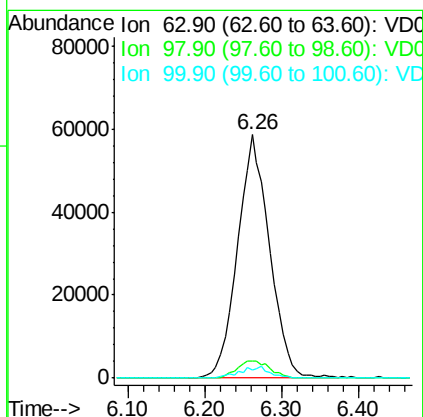
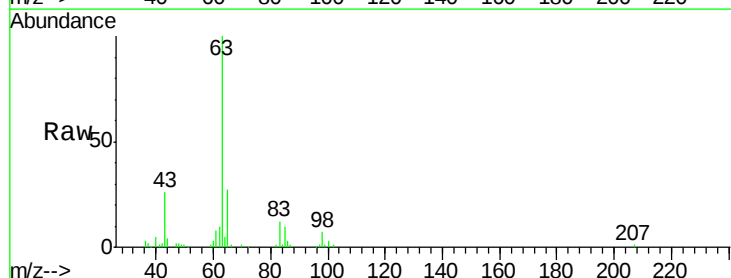
Tgt Ion: 63 Resp: 170184

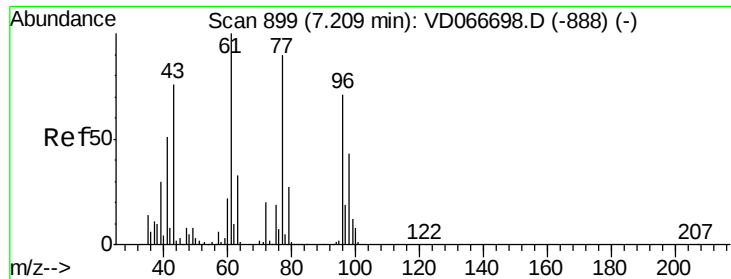
Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

100 3.3 2.6 8.0





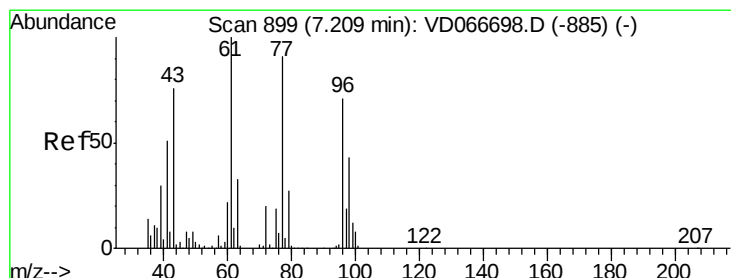
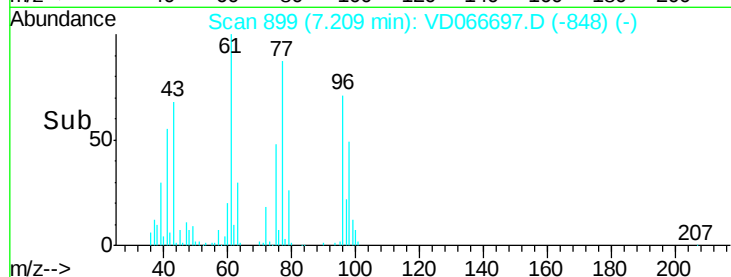
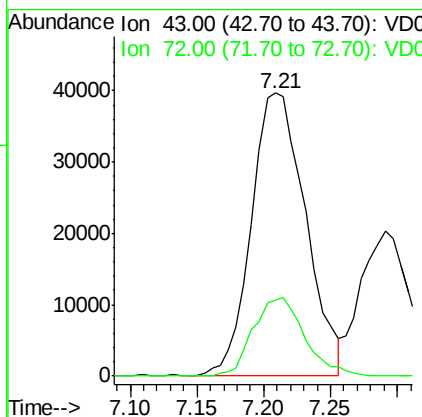
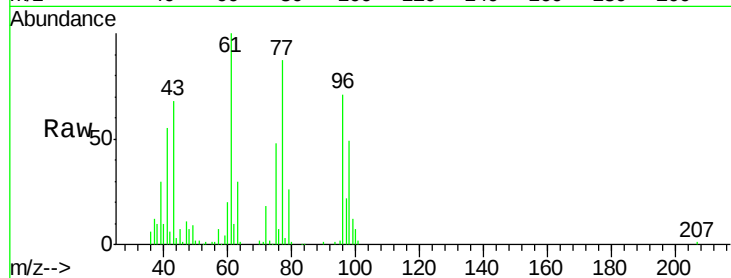
#25
2-Butanone
Concen: 97.061 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 112042
Ion Ratio Lower Upper
43 100
72 26.9 21.0 31.4

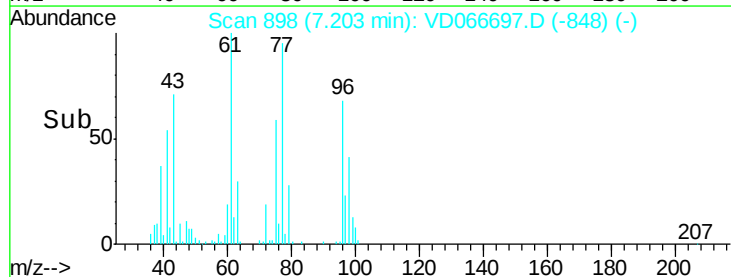
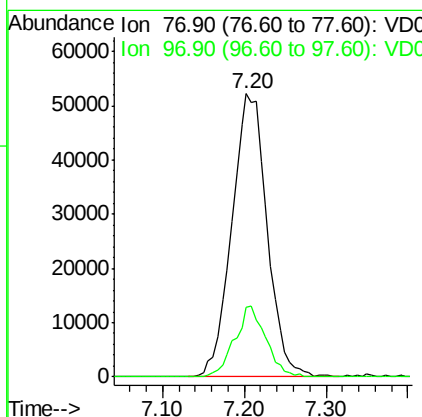
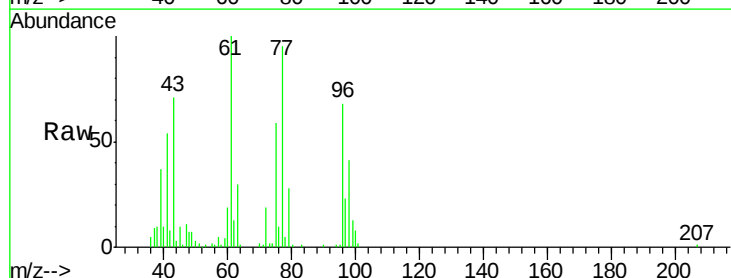
Manual Integrations
APPROVED

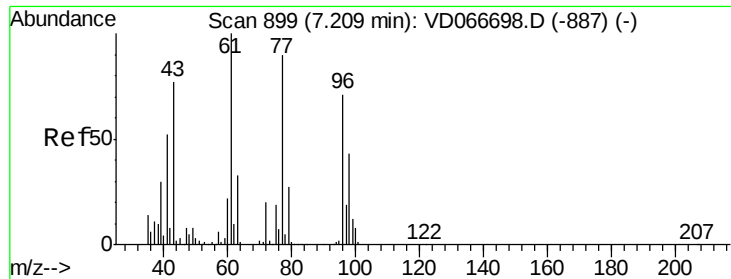
MMDadoda
9/16/2020 11:44:18 AM



#26
2,2-Dichloropropane
Concen: 20.044 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Tgt Ion: 77 Resp: 156691
Ion Ratio Lower Upper
77 100
97 22.0 10.6 31.8





#27

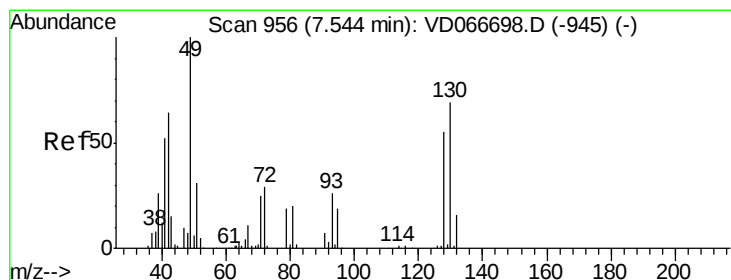
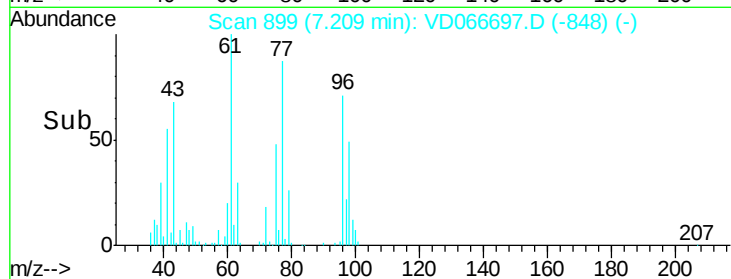
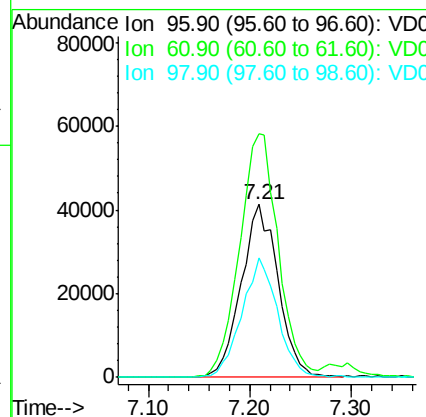
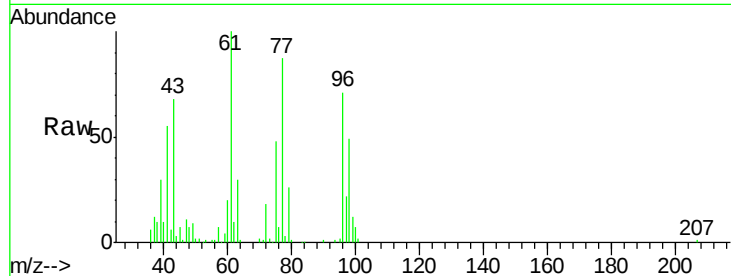
cis-1,2-Dichloroethene
 Concen: 19.985 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD066697.D
 Acq: 15 Sep 2020 14:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100	103992		
61	148.3		0.0	292.4
98	67.0		0.0	127.0

Manual Integrations
 APPROVED

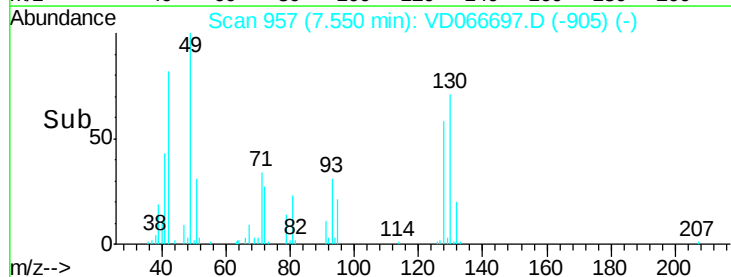
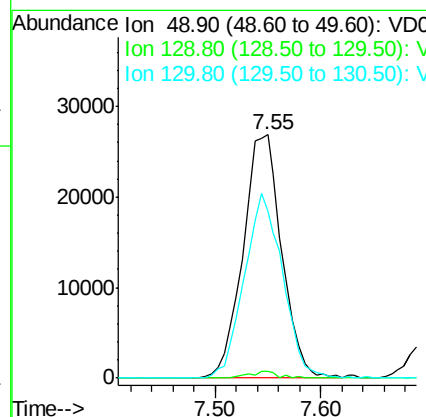
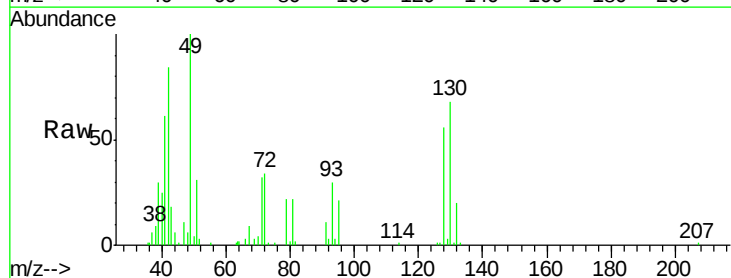
MMDadoda
 9/16/2020 11:44:18 AM

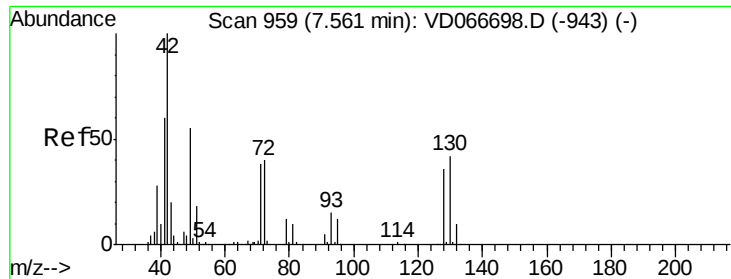


#28

Bromochloromethane
 Concen: 21.636 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.01 min
 Lab File: VD066697.D
 Acq: 15 Sep 2020 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	68320		
129	2.0		0.0	3.8
130	75.0		58.6	88.0





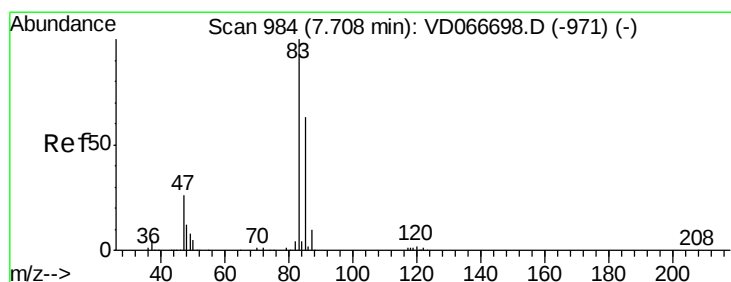
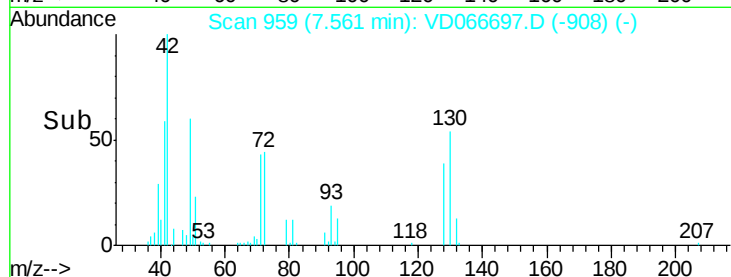
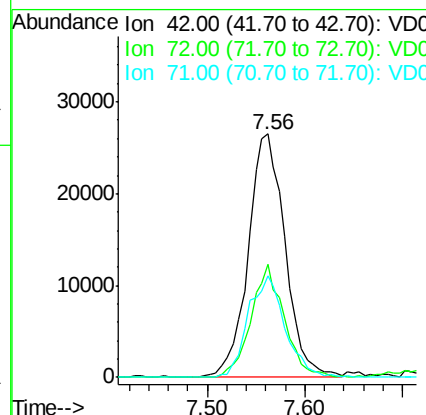
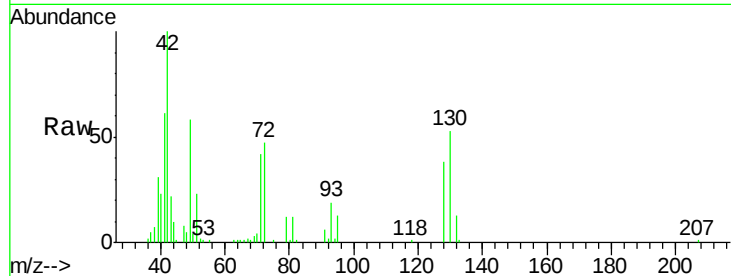
#29
Tetrahydrofuran
Concen: 98.997 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	32.6	48.8
71	41.6	30.6	45.8

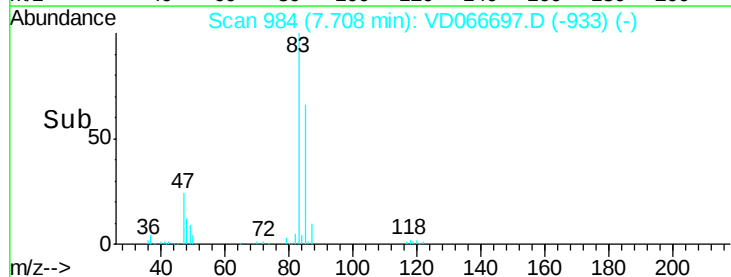
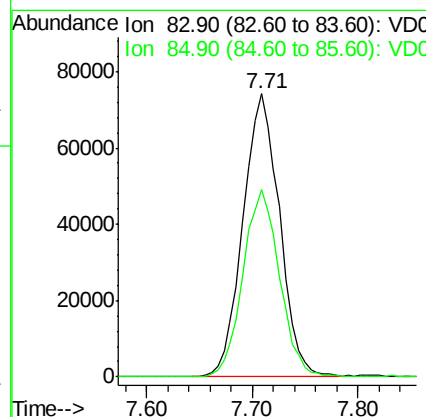
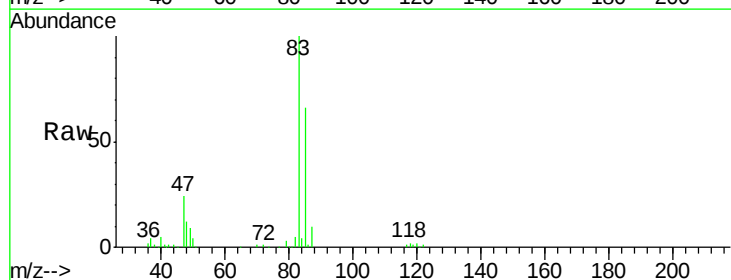
Manual Integrations
APPROVED

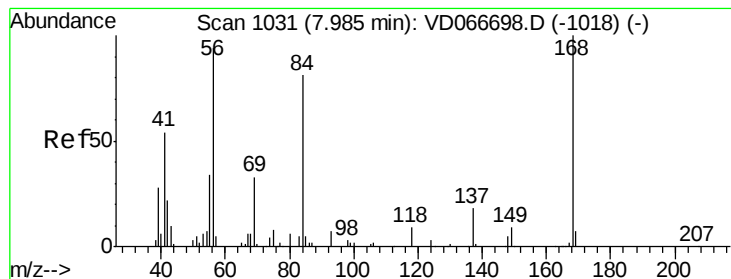
MMDadoda
9/16/2020 11:44:18 AM



#30
Chloroform
Concen: 19.881 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	50.6	76.0





#31

Cyclohexane

Concen: 20.097 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Instrument :

MSVOA_D

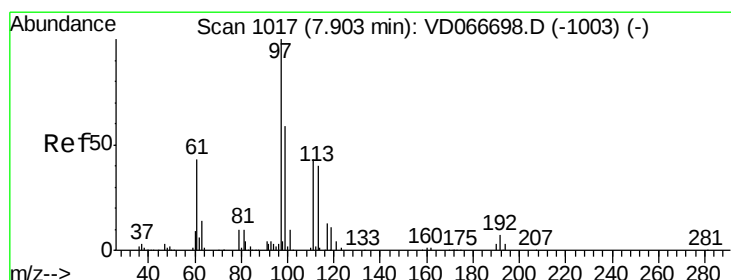
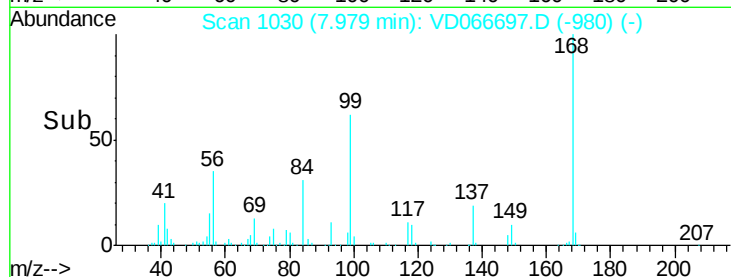
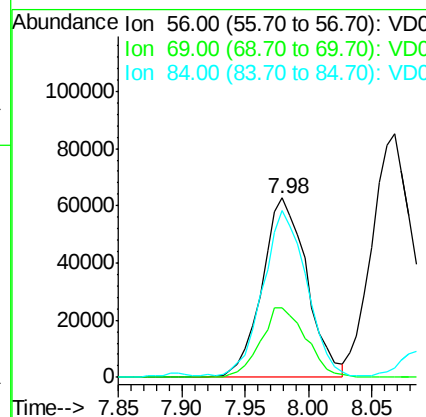
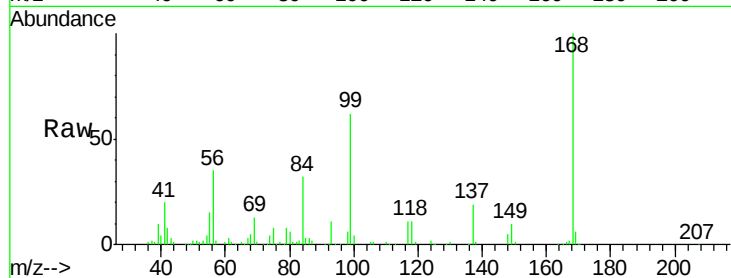
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	154538
Ion Ratio	Lower	Upper	
56	100		
69	38.6	27.7	41.5
84	91.5	68.5	102.7

Manual Integrations
APPROVED

MMDadoda
9/16/2020 11:44:18 AM



#32

1,1,1-Trichloroethane

Concen: 19.968 ug/l

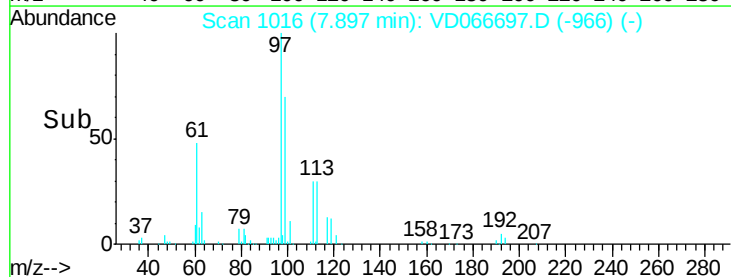
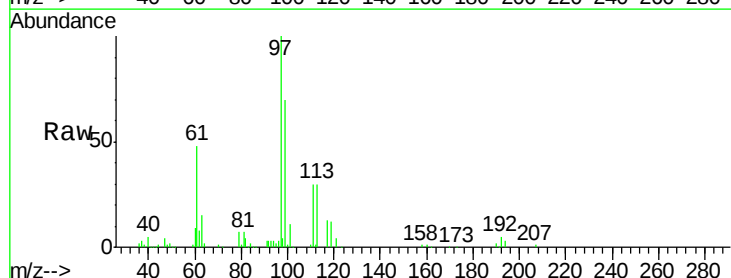
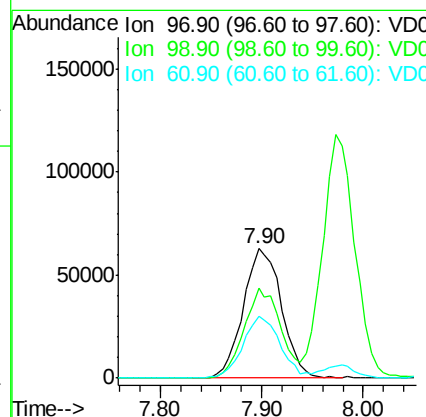
RT: 7.90 min Scan# 1016

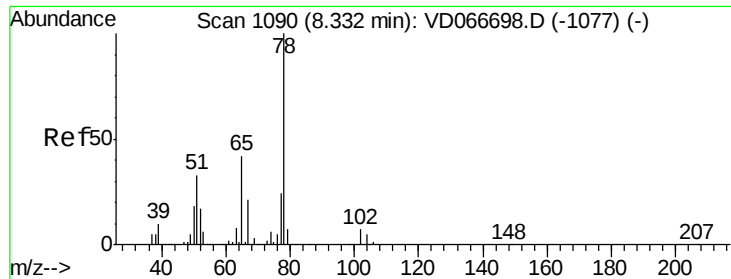
Delta R.T. -0.01 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Tgt Ion:	97	Resp:	164398
Ion Ratio	Lower	Upper	
97	100		
99	66.6	51.0	76.4
61	46.5	35.2	52.8





#33

1,2-Dichloroethane-d4

Concen: 18.269 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 79529

Ion Ratio Lower Upper

65 100

67 53.3

0.0

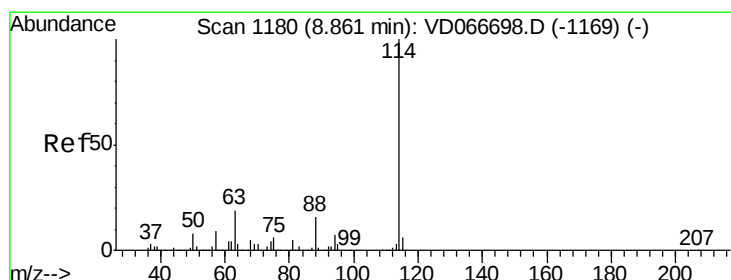
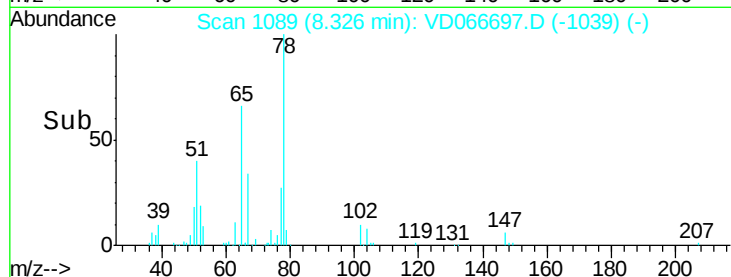
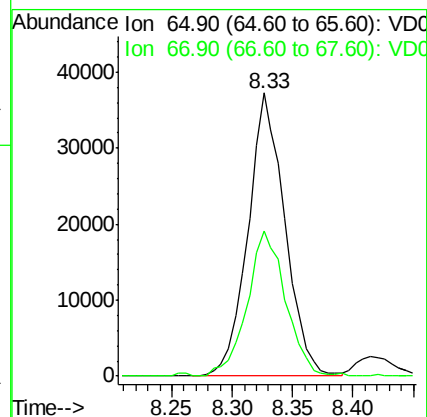
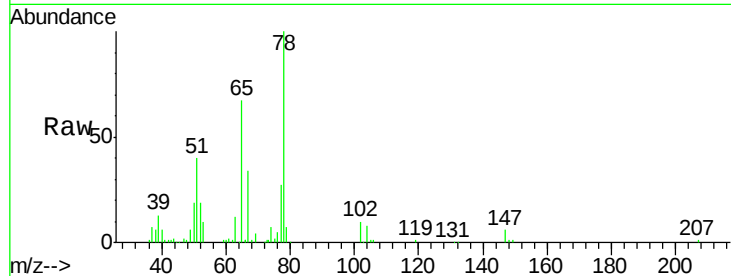
102.2

Manual Integrations

APPROVED

MMDadoda

9/16/2020 11:44:18 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Tgt Ion: 114 Resp: 660953

Ion Ratio Lower Upper

114 100

63 22.1

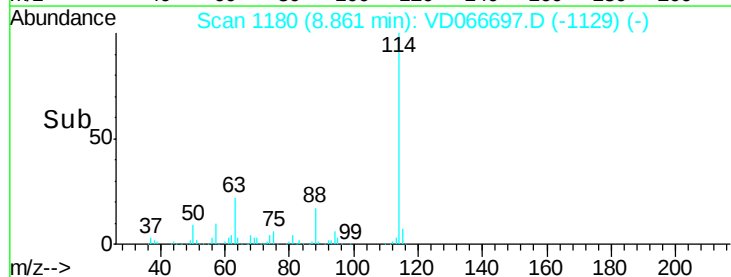
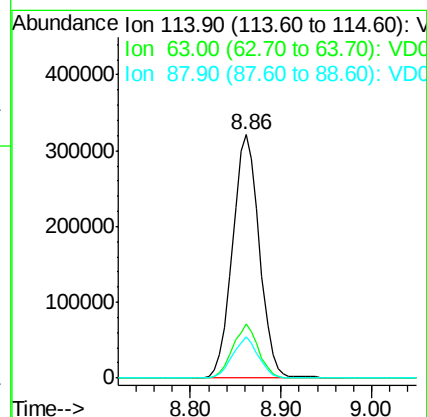
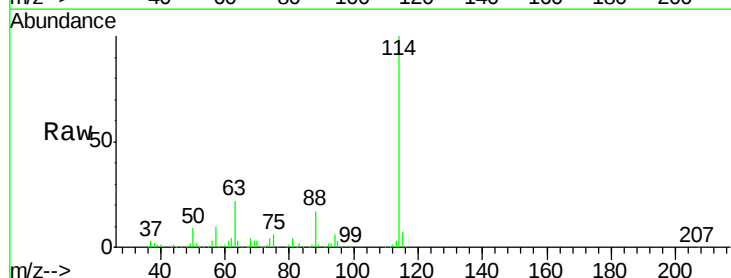
0.0

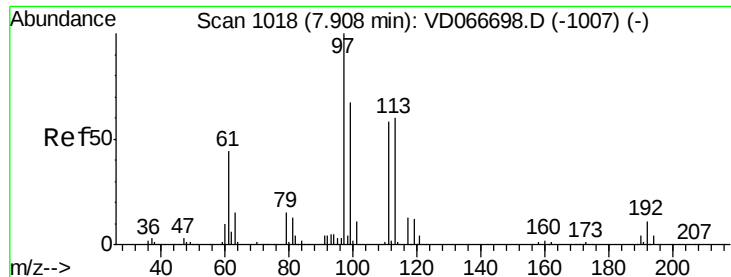
37.6

88 16.9

0.0

32.2





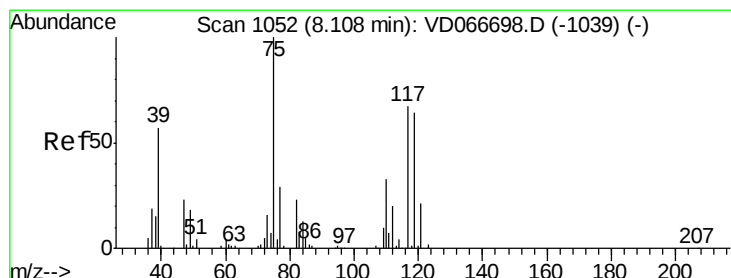
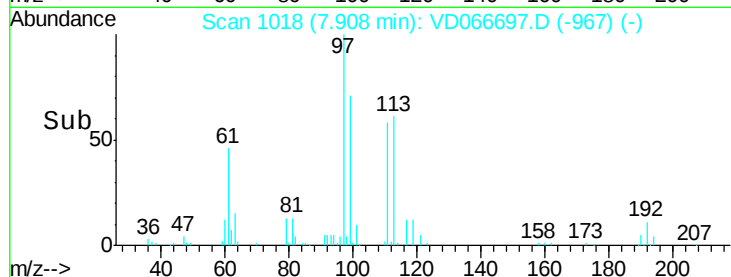
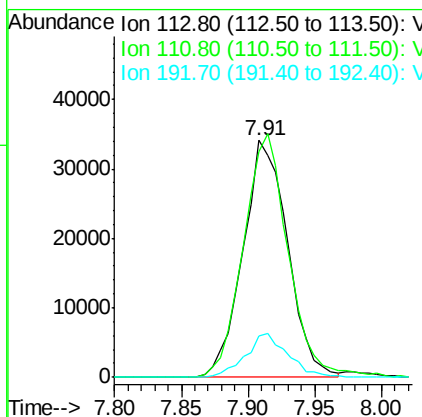
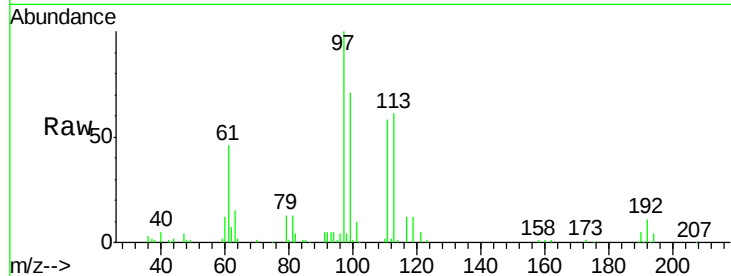
#35
Dibromofluoromethane
Concen: 19.537 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	79170		
111	103.2	83.2	124.8	
192	17.5	14.8	22.2	

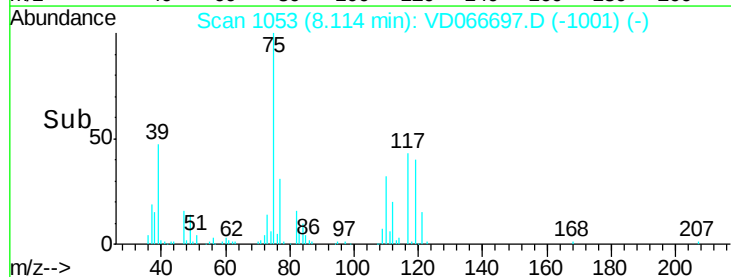
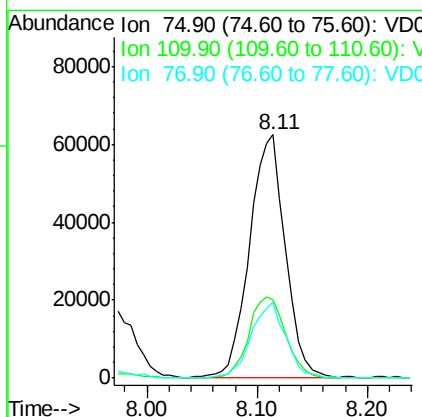
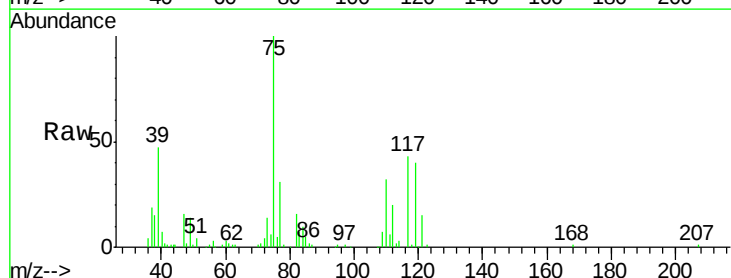
Manual Integrations
APPROVED

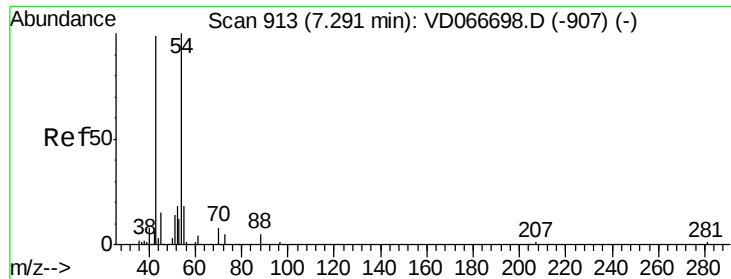
MMDadoda
9/16/2020 11:44:18 AM



#36
1,1-Dichloropropene
Concen: 20.873 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	141846		
110	34.6	17.1	51.2	
77	30.6	25.0	37.6	





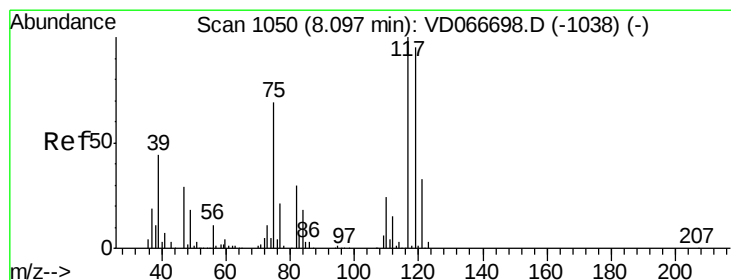
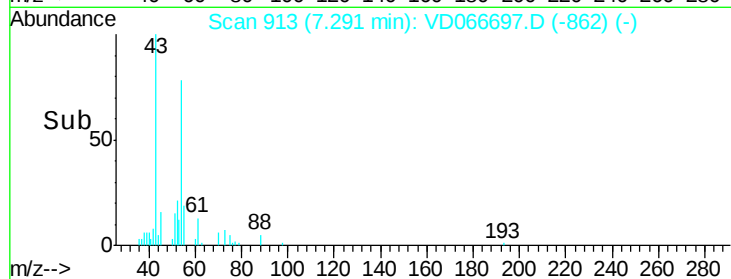
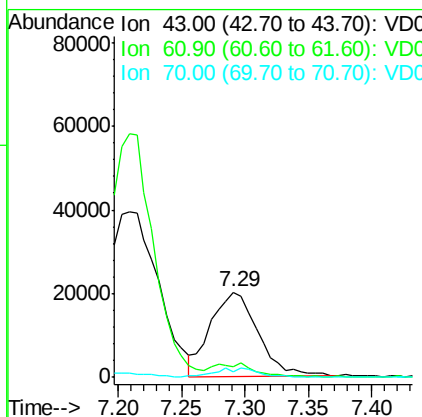
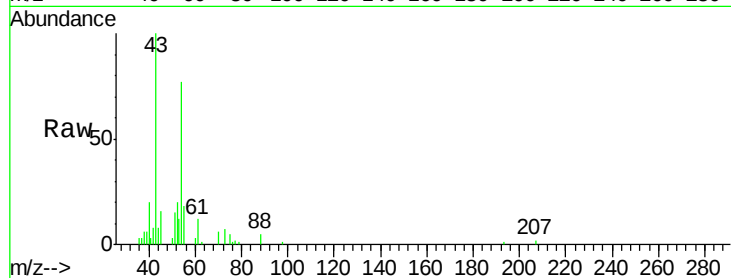
#37
Ethyl Acetate
Concen: 20.270 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.4	15.6
70	3.8	7.5	11.3

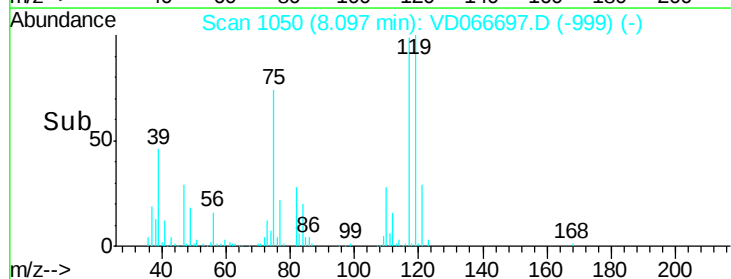
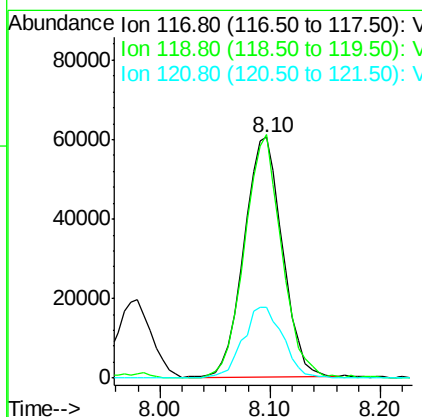
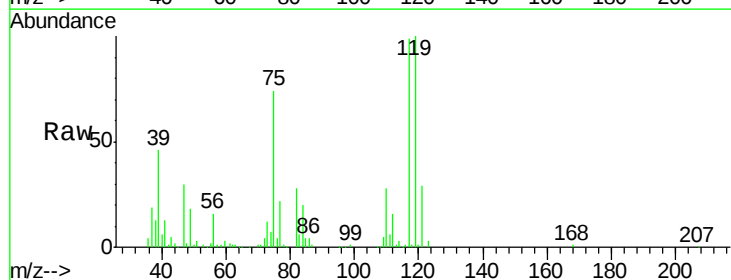
Manual Integrations
APPROVED

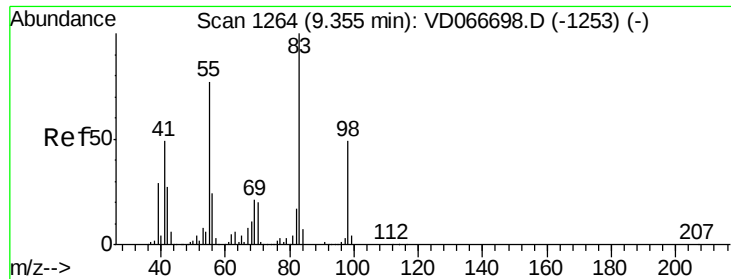
MMDadoda
9/16/2020 11:44:18 AM



#38
Carbon Tetrachloride
Concen: 20.430 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.7	75.8	113.6
121	29.3	26.2	39.4





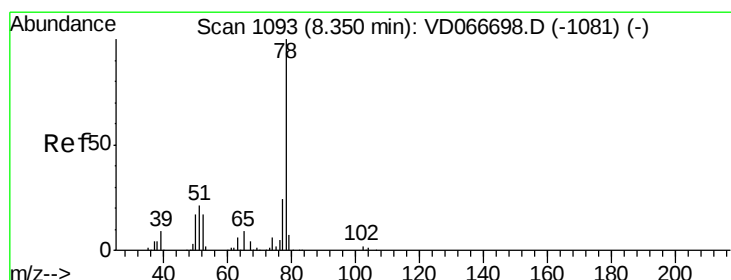
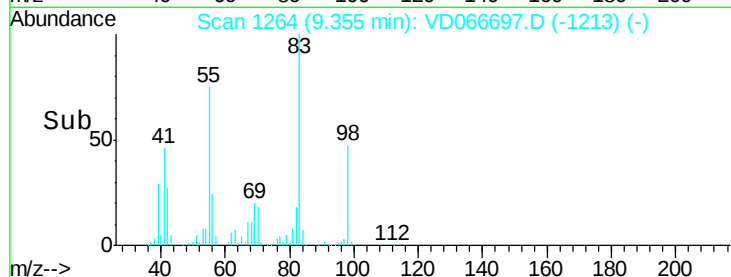
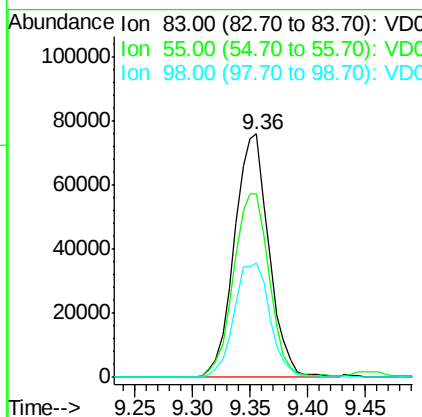
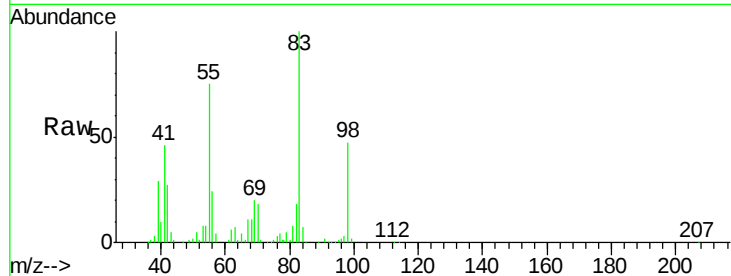
#39
Methvlcvclohexane
Concen: 20.251 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.2	61.5	92.3
98	47.1	39.3	58.9

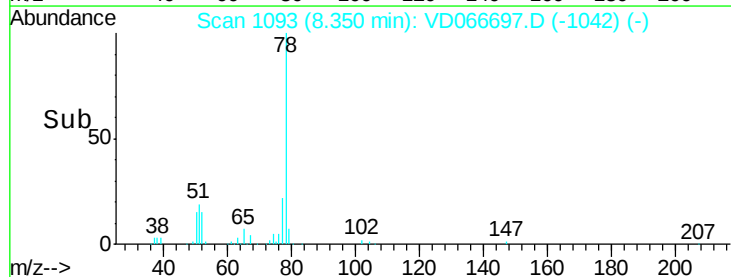
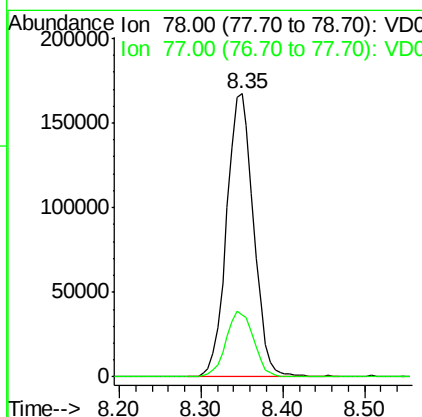
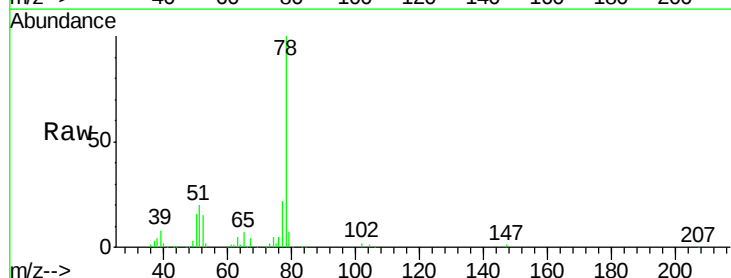
Manual Integrations
APPROVED

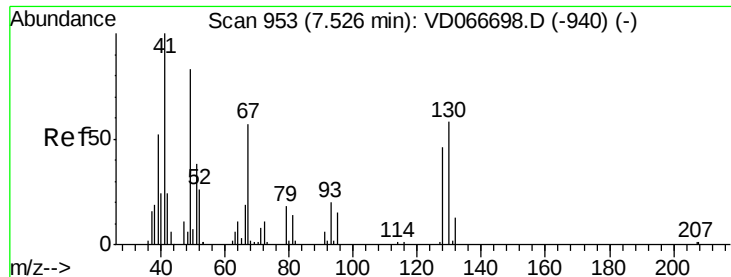
MMDadoda
9/16/2020 11:44:18 AM



#40
Benzene
Concen: 20.891 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.8	19.3	28.9





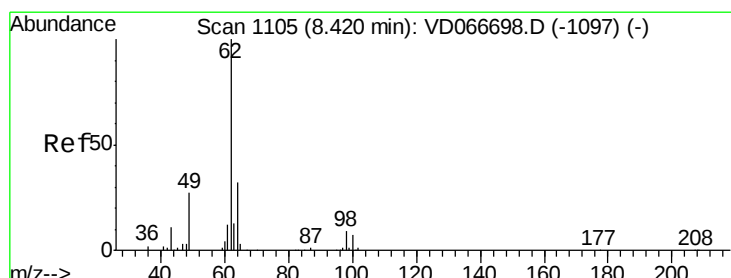
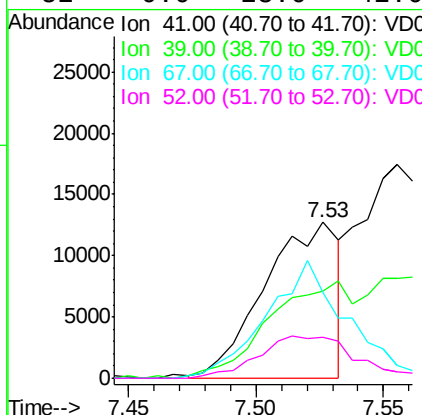
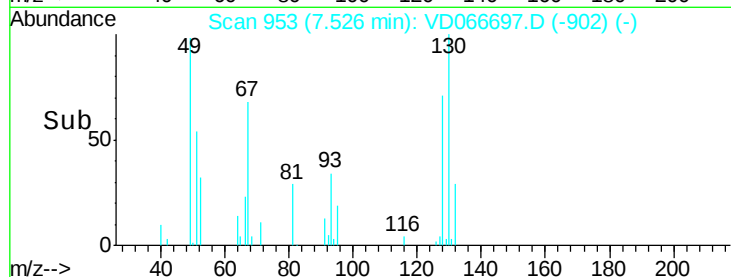
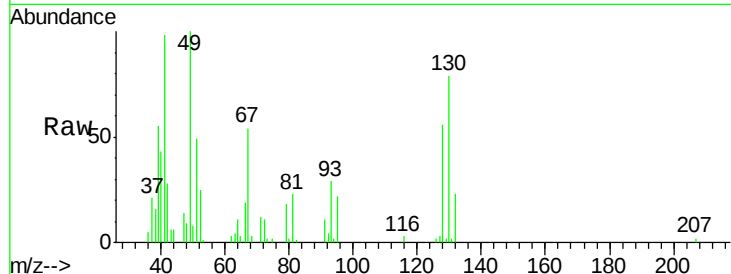
#41
Methacrylonitrile
Concen: 20.751 ug/l m
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	68.6	59.3	88.9
67	0.0	62.3	93.5#
52	0.0	28.0	42.0#

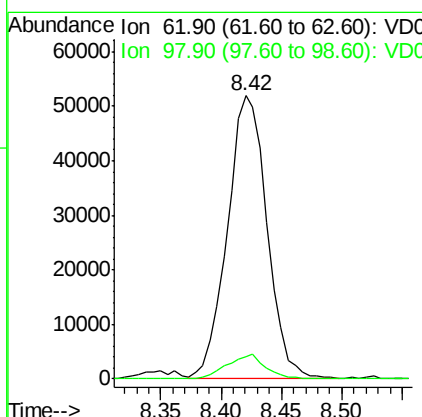
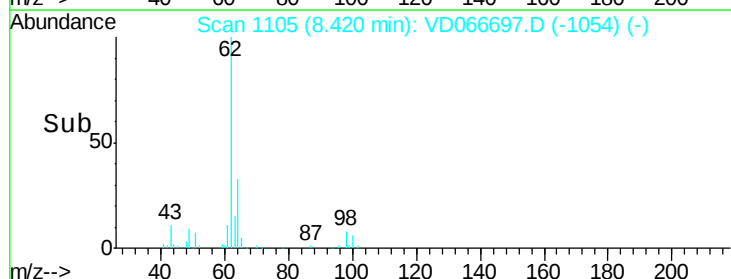
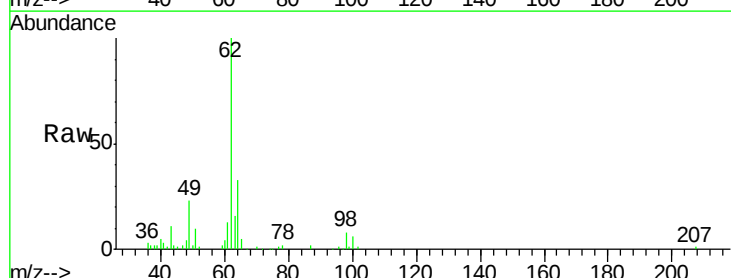
Manual Integrations
APPROVED

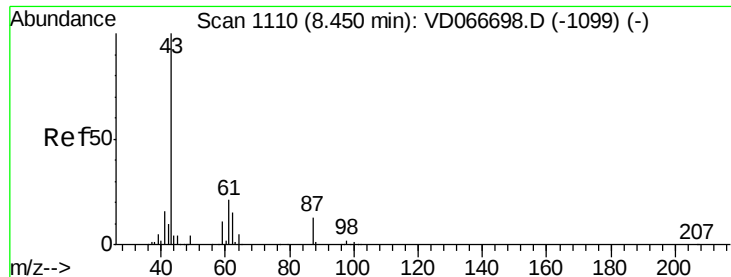
MMDadoda
9/16/2020 11:44:18 AM



#42
1,2-Dichloroethane
Concen: 20.727 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.6





#43

Isopropyl Acetate

Concen: 19.543 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Instrument :

MSVOA_D

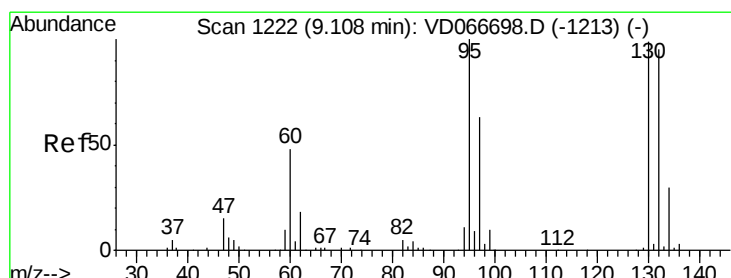
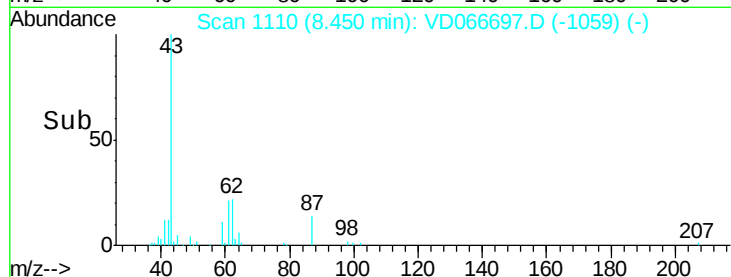
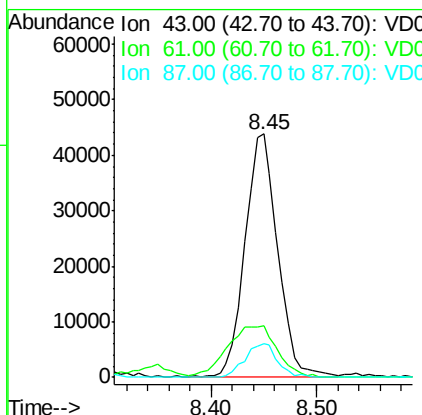
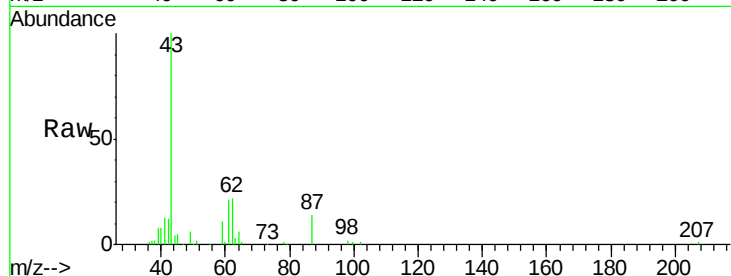
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	94632
Ion	Ratio	Lower	Upper
43	100		
61	32.1	24.8	37.2
87	13.6	10.4	15.6

Manual Integrations
APPROVED

MMDadoda
9/16/2020 11:44:18 AM



#44

Trichloroethene

Concen: 20.408 ug/l

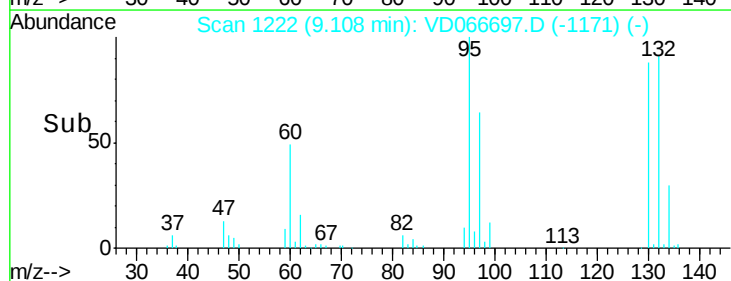
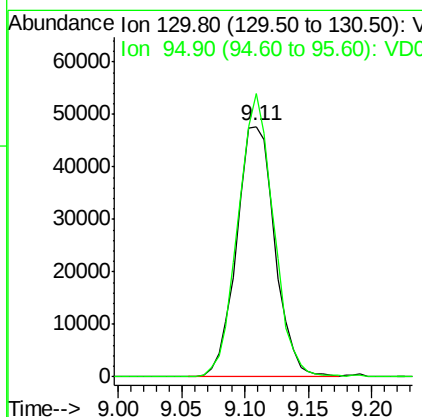
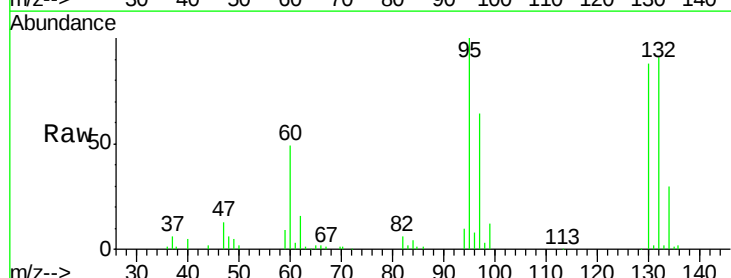
RT: 9.11 min Scan# 1222

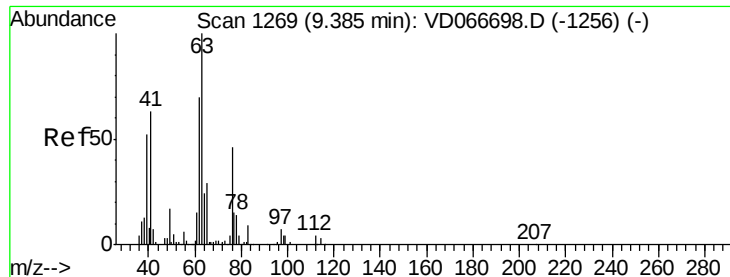
Delta R.T. 0.00 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Tgt Ion:	130	Resp:	100316
Ion	Ratio	Lower	Upper
130	100		
95	113.1	0.0	201.4





#45

1,2-Dichloropropane

Concen: 20.638 ug/l

RT: 9.38 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC020

Tot Ion: 63 Resp: 93800

Ion Ratio Lower Upper

63 100

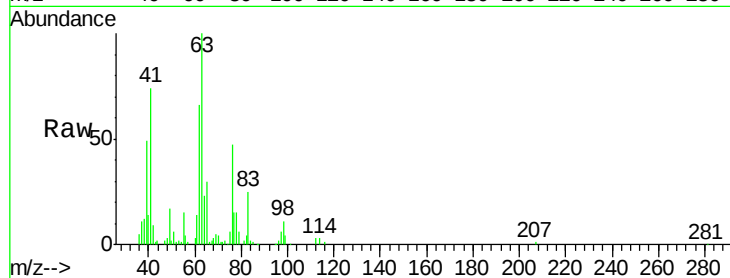
65 29.9 23.4 35.0

Manual Integrations

APPROVED

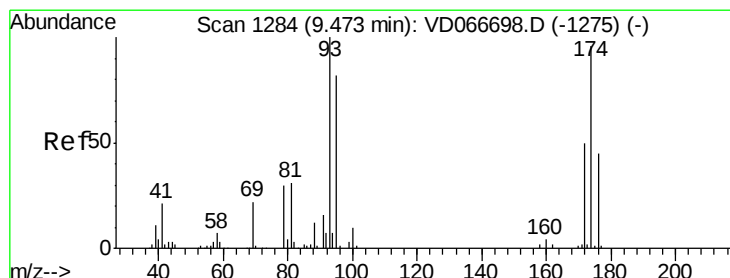
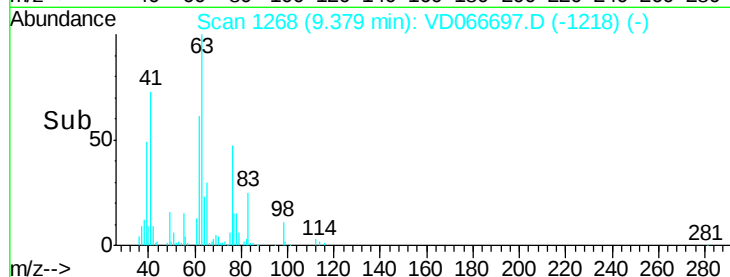
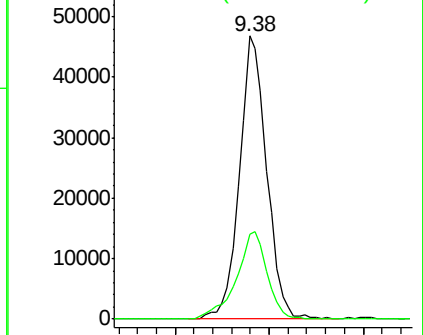
MMDadoda

9/16/2020 11:44:18 AM



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.708 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

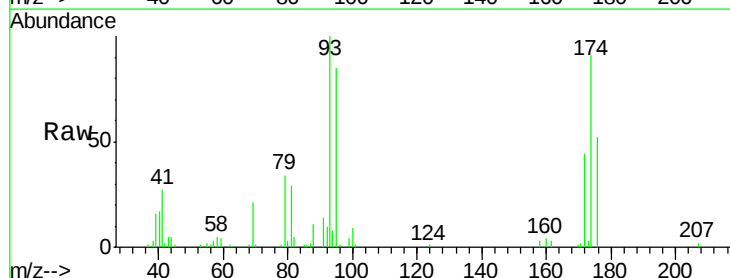
Tgt Ion: 93 Resp: 51718

Ion Ratio Lower Upper

93 100

95 79.0 66.0 99.0

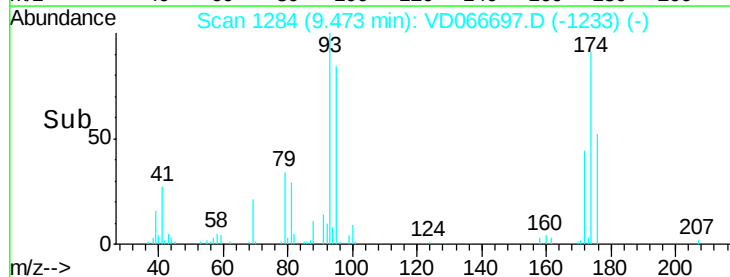
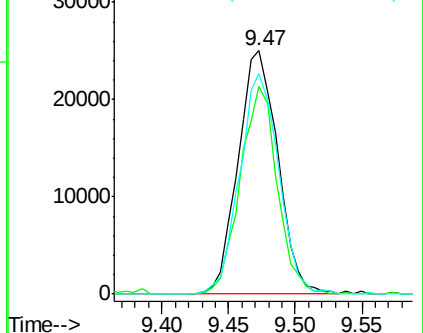
174 89.3 72.3 108.5

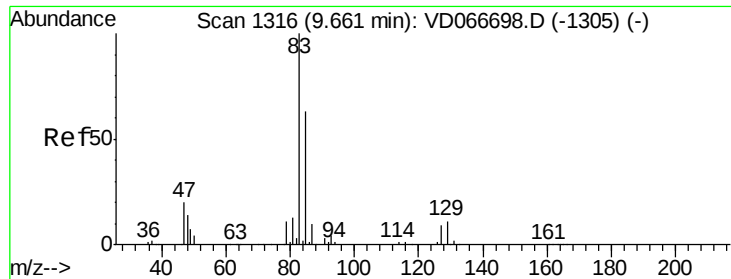


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





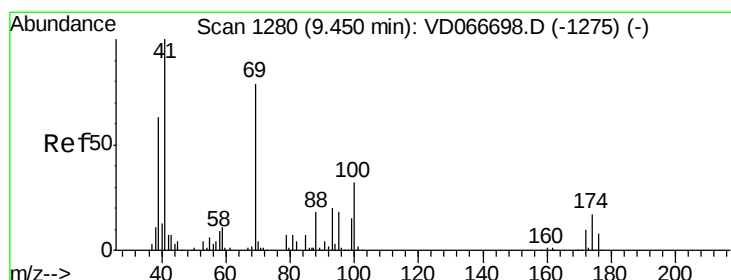
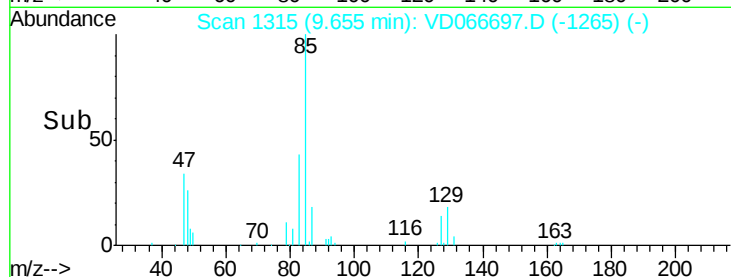
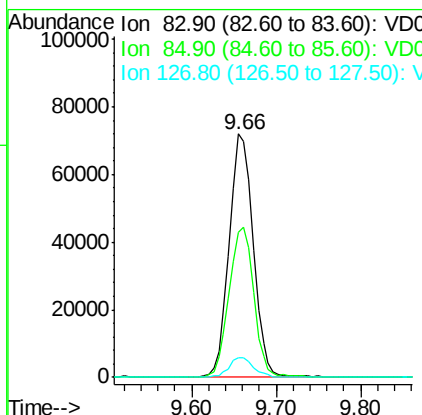
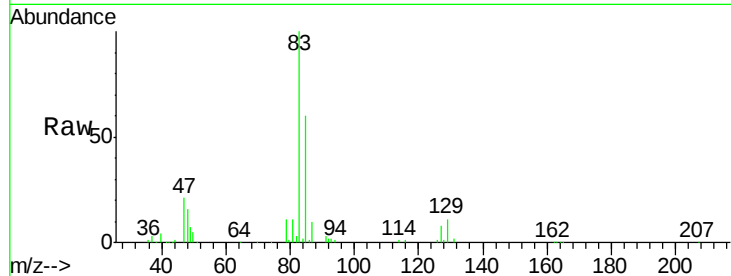
#47
Bromodichloromethane
Concen: 20.795 ug/l
RT: 9.66 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	141518		
85	59.7	50.1	75.1	
127	8.3	6.9	10.3	

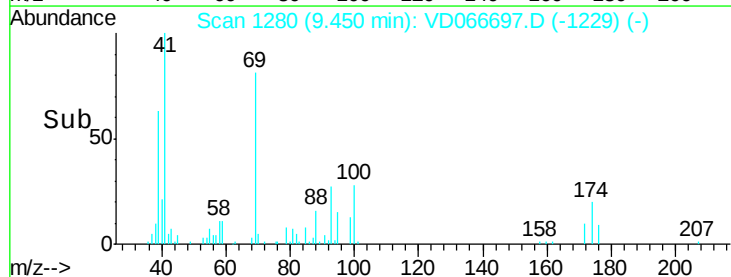
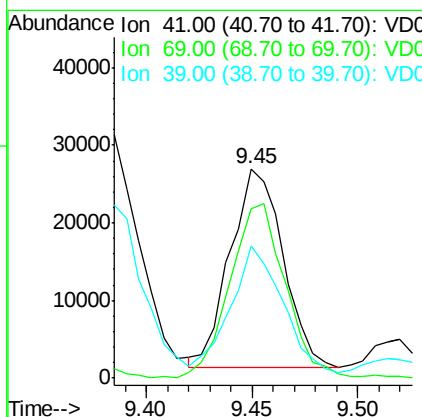
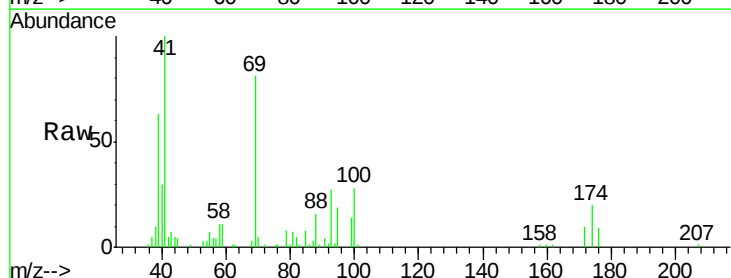
Manual Integrations
APPROVED

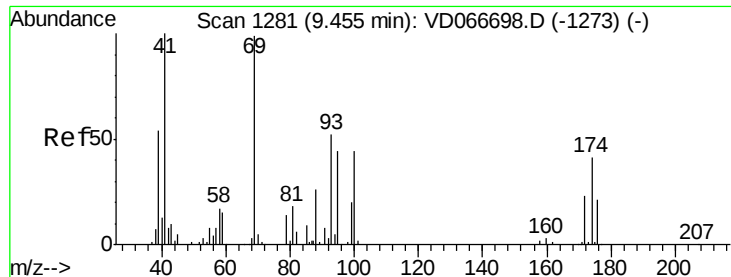
MMDadoda
9/16/2020 11:44:18 AM



#48
Methyl methacrylate
Concen: 18.097 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	44574		
69	92.2	62.4	93.6	
39	61.8	44.8	67.2	





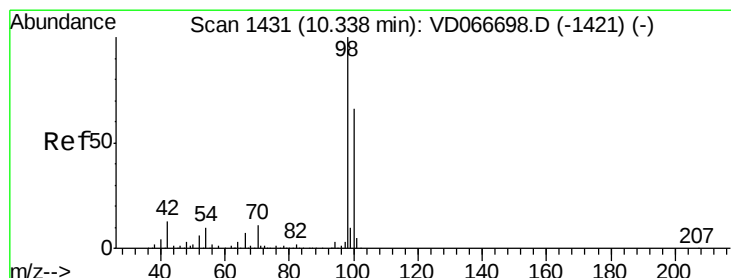
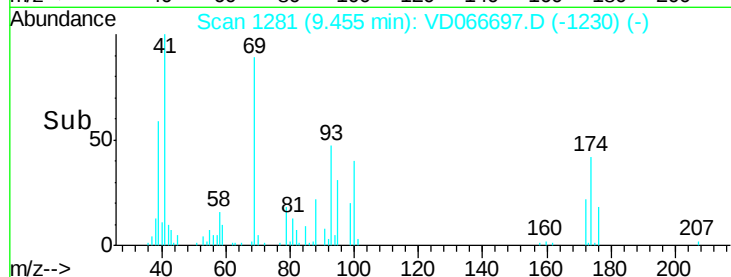
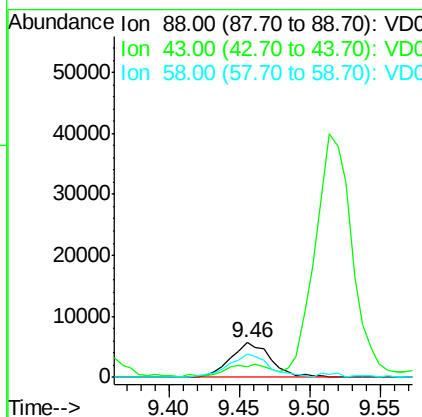
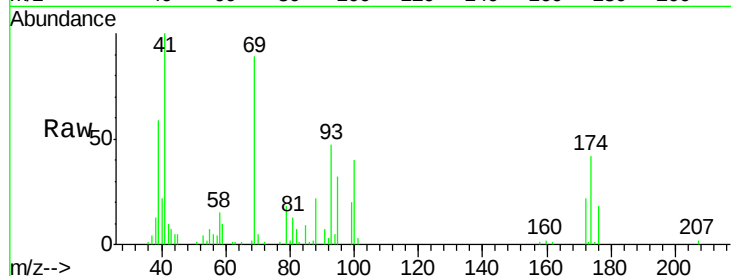
#49
1,4-Dioxane
Concen: 422.678 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.1	29.3	43.9#
58	68.6	51.4	77.2

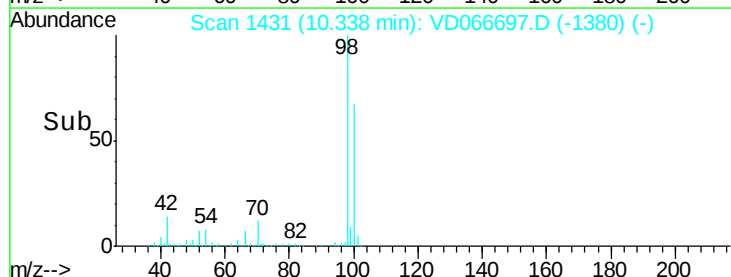
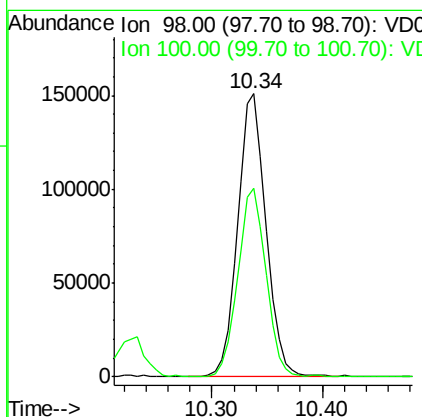
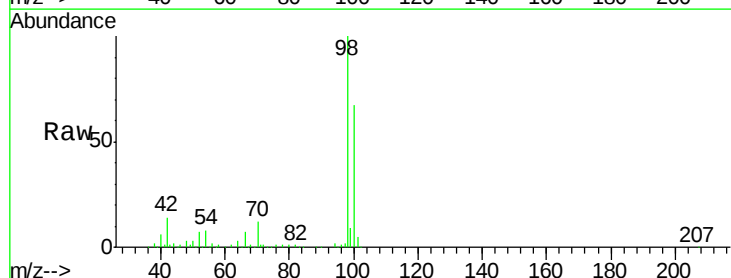
Manual Integrations
APPROVED

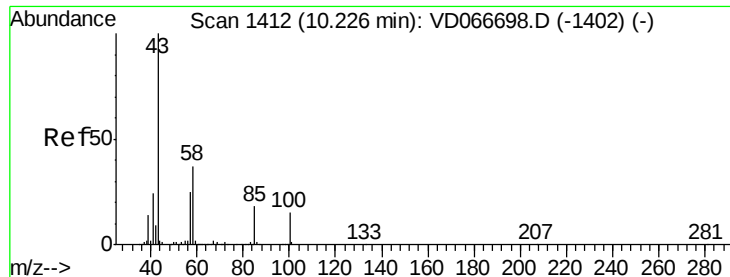
MMDadoda
9/16/2020 11:44:18 AM



#50
Toluene-d8
Concen: 18.917 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.7	79.1





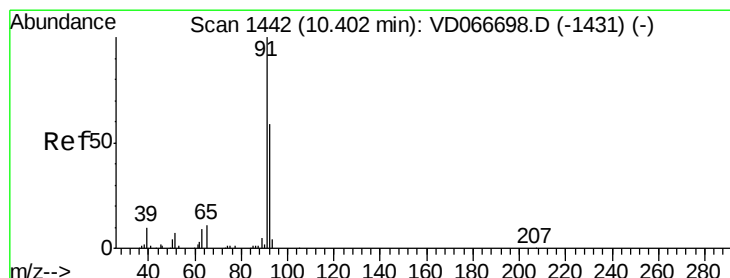
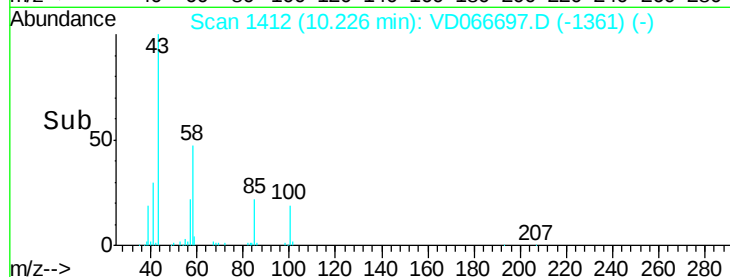
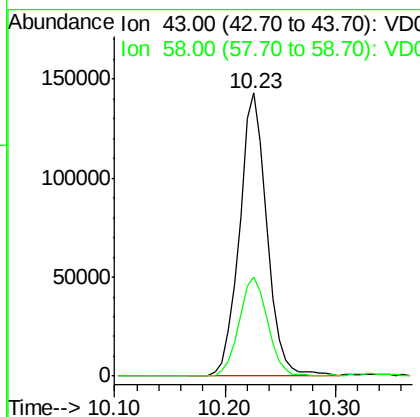
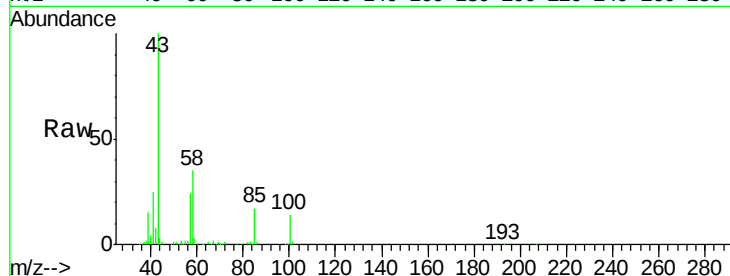
#51
4-Methyl-2-Pentanone
Concen: 100.337 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.5	30.4	45.6

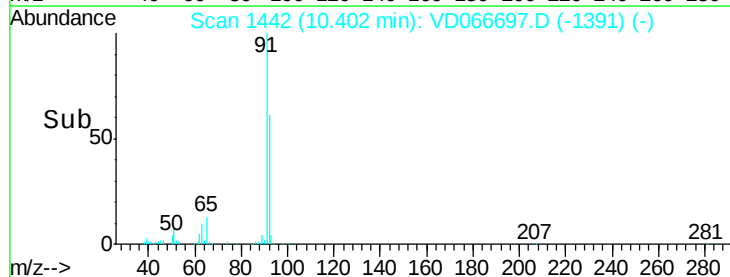
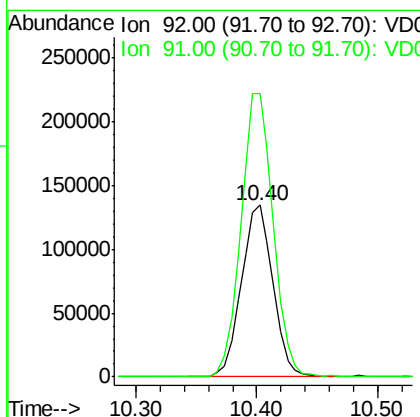
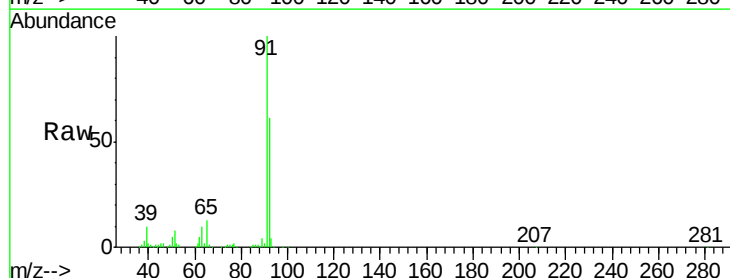
Manual Integrations
APPROVED

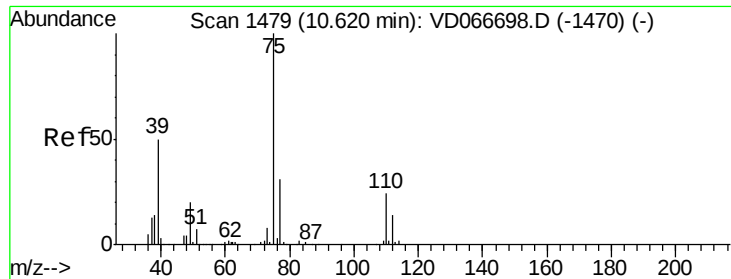
MMDadoda
9/16/2020 11:44:18 AM



#52
Toluene
Concen: 20.817 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Tgt Ion	Ratio	Lower	Upper
92	100		
91	167.9	135.8	203.8





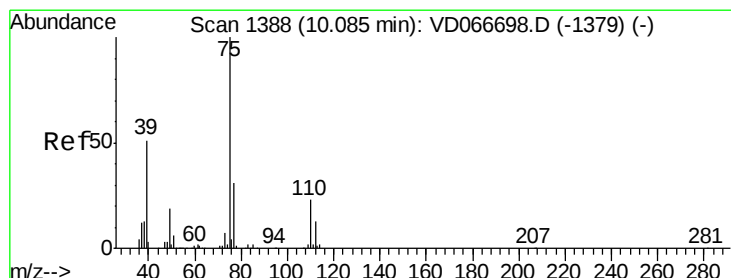
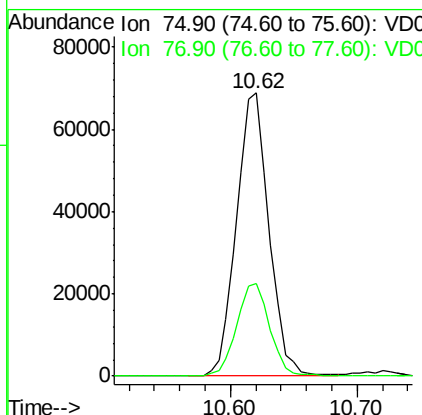
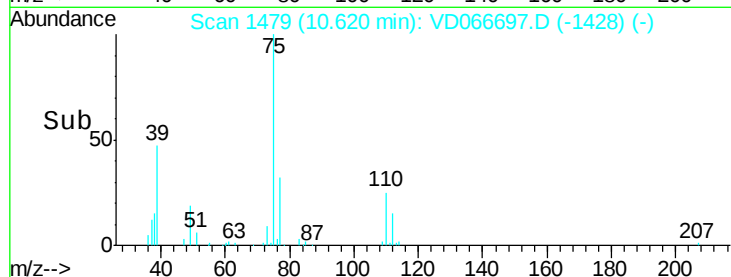
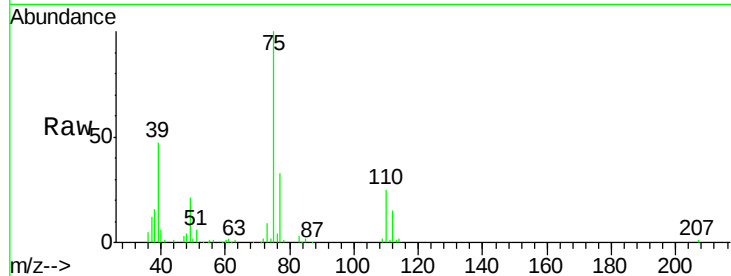
#53
t-1,3-Dichloropropene
Concen: 20.044 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.8	24.6	36.8

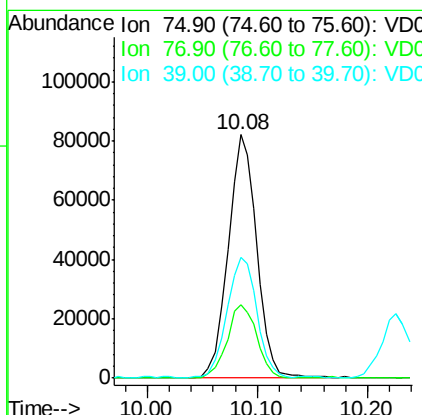
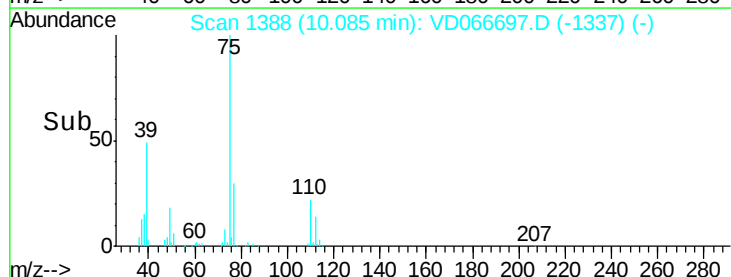
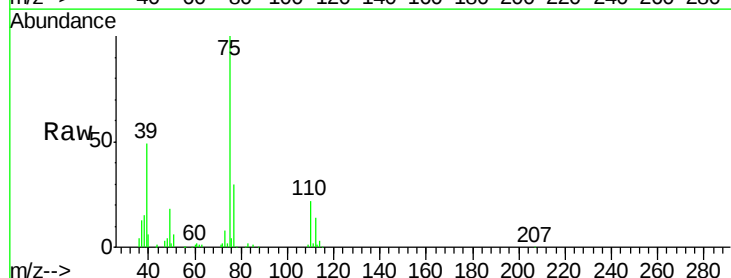
Manual Integrations
APPROVED

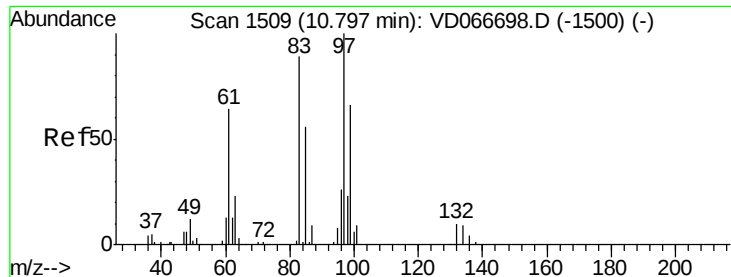
MMDadoda
9/16/2020 11:44:18 AM



#54
cis-1,3-Dichloropropene
Concen: 20.626 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.0	37.6
39	49.2	40.6	61.0





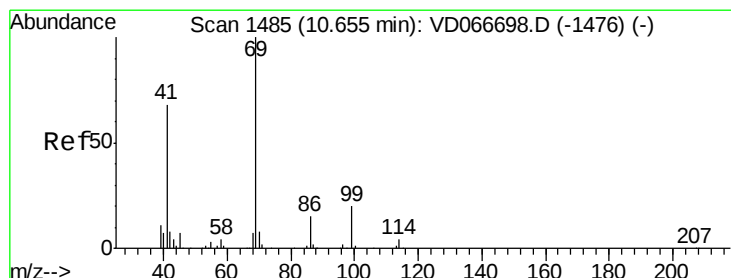
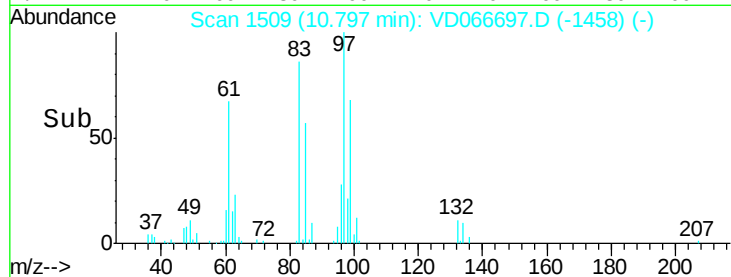
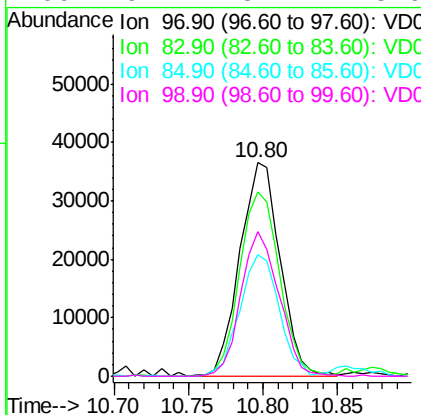
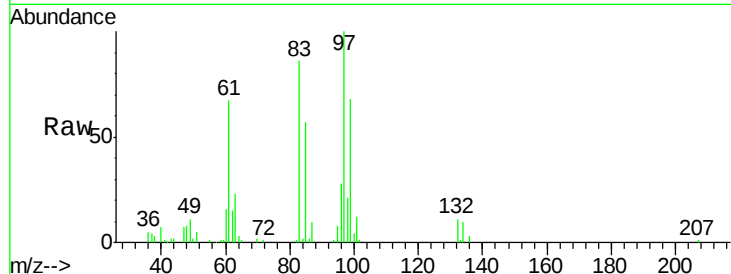
#55
 1,1,2-Trichloroethane
 Concen: 20.772 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. 0.00 min
 Lab File: VD066697.D
 Acq: 15 Sep 2020 14:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	68401
Ion	Ratio	Lower	Upper
97	100		
83	86.4	71.4	107.2
85	57.2	44.7	67.1
99	67.7	52.4	78.6

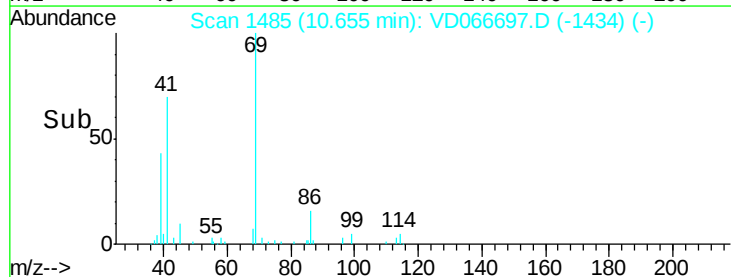
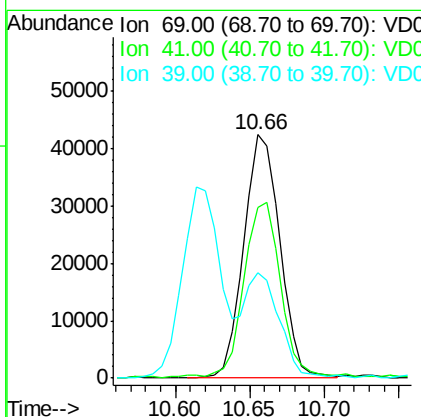
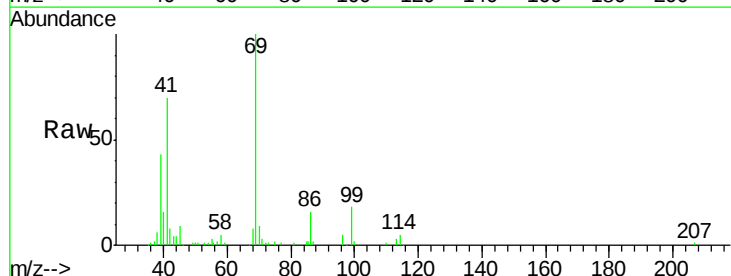
Manual Integrations
 APPROVED

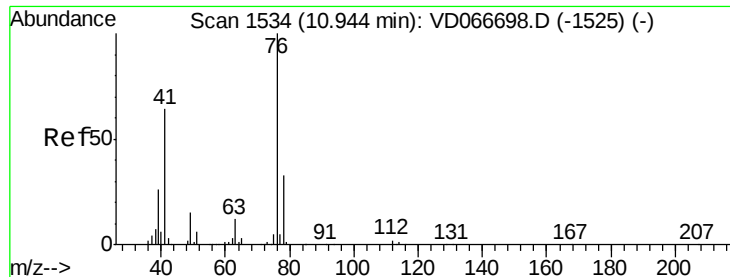
MMDadoda
 9/16/2020 11:44:18 AM



#56
 Ethyl methacrylate
 Concen: 19.078 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD066697.D
 Acq: 15 Sep 2020 14:22

Tgt Ion:	69	Resp:	71292
Ion	Ratio	Lower	Upper
69	100		
41	74.5	55.5	83.3
39	43.0	29.7	44.5





#57

1,3-Dichloropropane

Concen: 20.206 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 116768

Ion Ratio Lower Upper

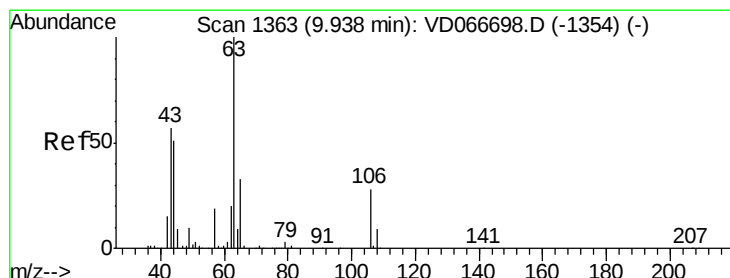
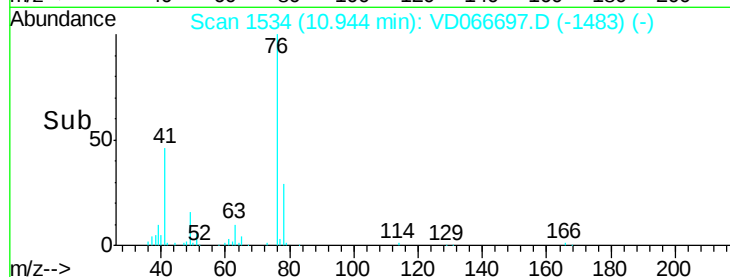
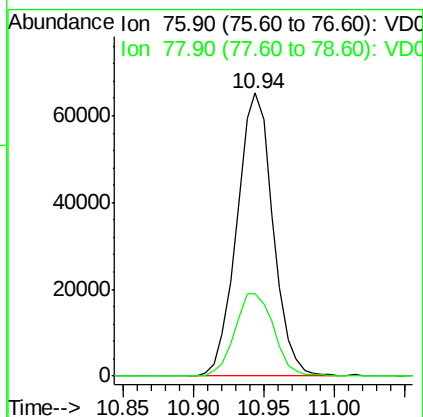
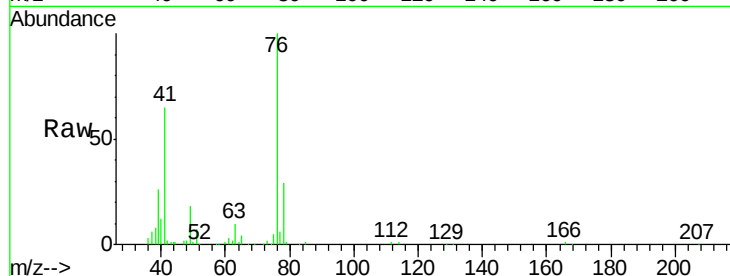
76 100

78 31.6 26.2 39.2

Manual Integrations
APPROVED

MMDadoda

9/16/2020 11:44:18 AM



#58

2-Chloroethyl Vinyl ether

Concen: 112.984 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066697.D

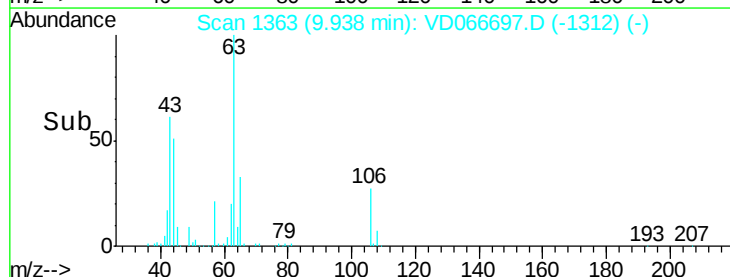
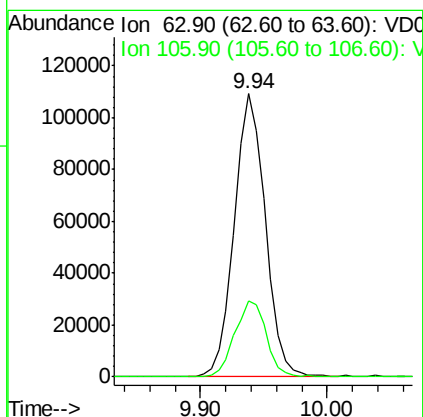
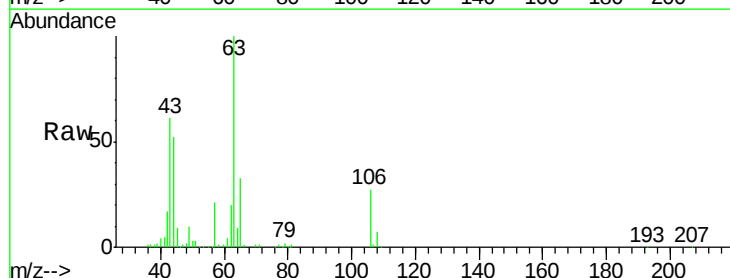
Acq: 15 Sep 2020 14:22

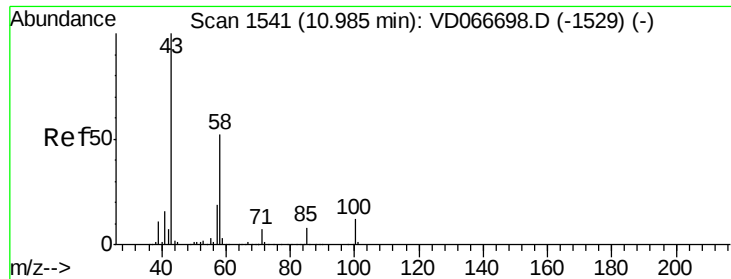
Tgt Ion: 63 Resp: 185425

Ion Ratio Lower Upper

63 100

106 27.1 22.2 33.4





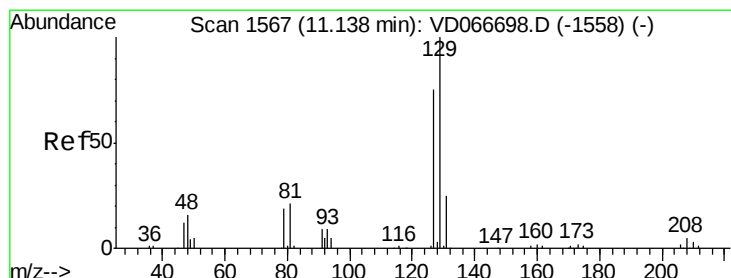
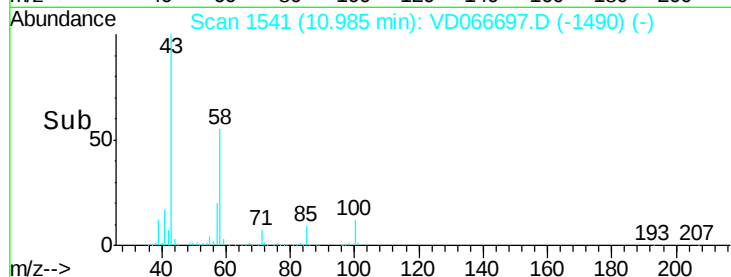
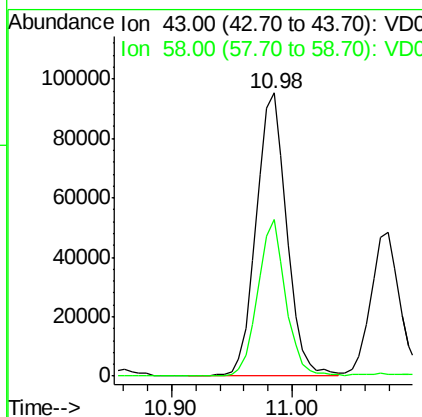
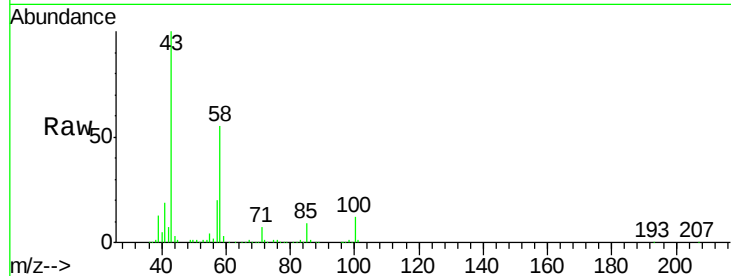
#59
2-Hexanone
Concen: 99.977 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 167466
Ion Ratio Lower Upper
43 100
58 50.5 26.2 78.5

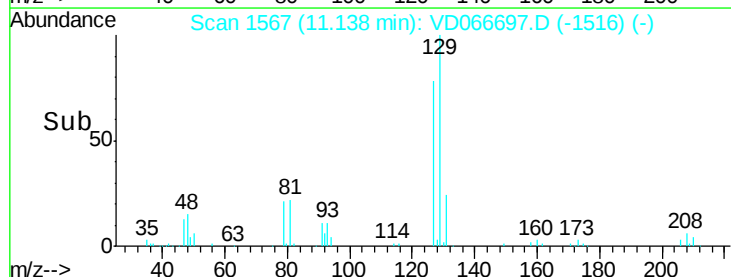
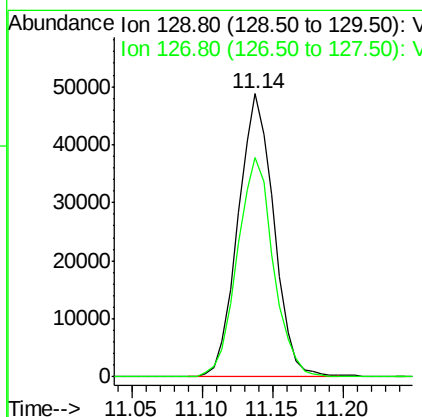
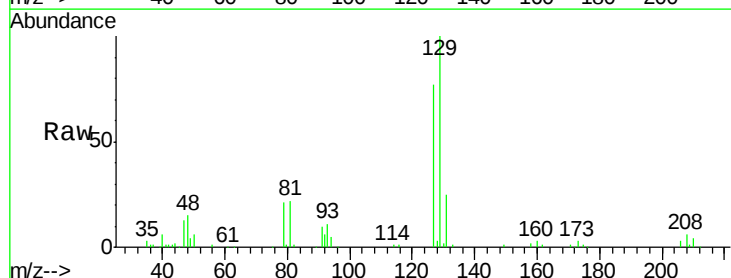
Manual Integrations
APPROVED

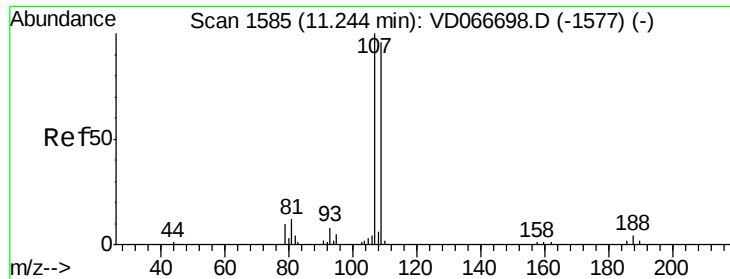
MMDadoda
9/16/2020 11:44:18 AM



#60
Dibromochloromethane
Concen: 20.102 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Tgt Ion:129 Resp: 86251
Ion Ratio Lower Upper
129 100
127 78.2 38.1 114.3





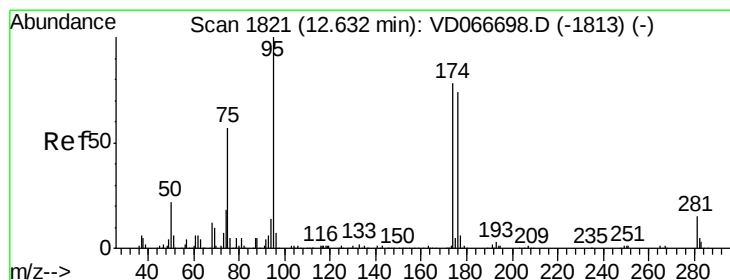
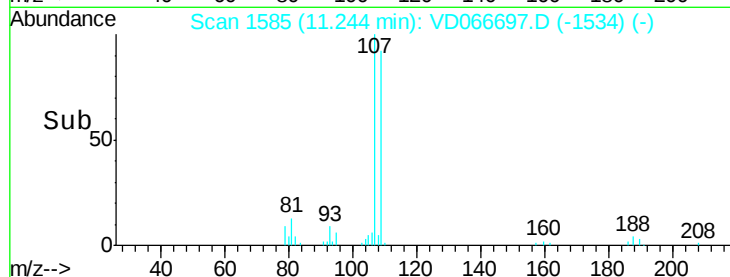
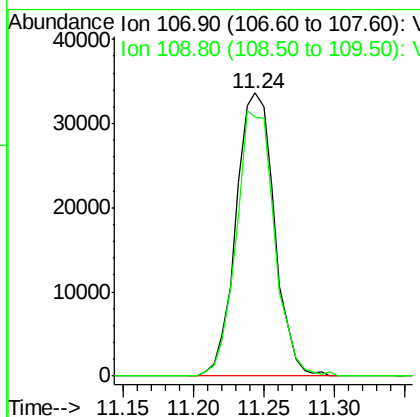
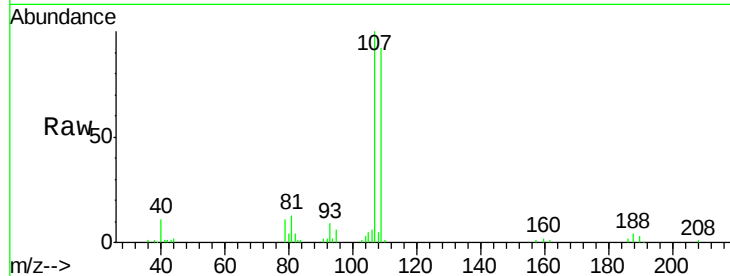
#61
 1,2-Dibromoethane
 Concen: 20.234 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD066697.D
 Acq: 15 Sep 2020 14:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 107 Resp: 63914
 Ion Ratio Lower Upper
 107 100
 109 93.6 75.6 113.4

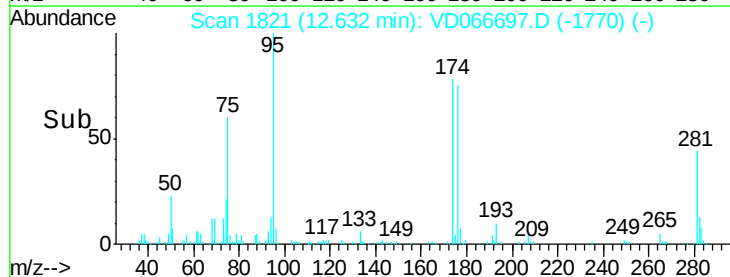
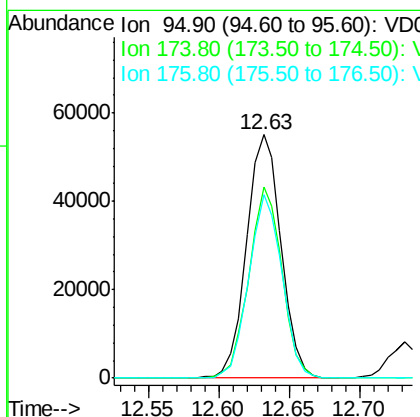
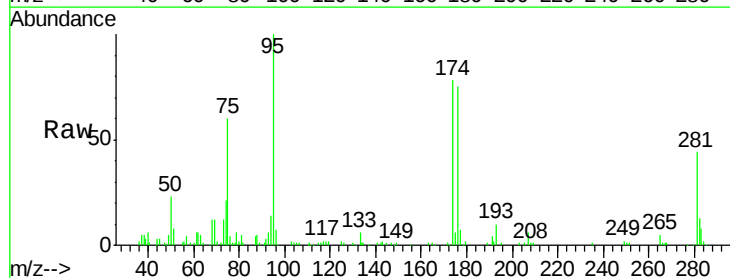
Manual Integrations
 APPROVED

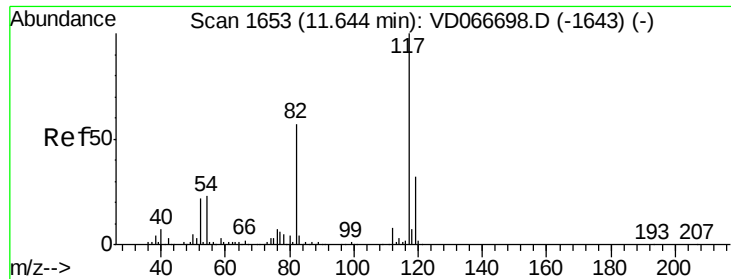
MMDadoda
 9/16/2020 11:44:18 AM



#62
 4-Bromofluorobenzene
 Concen: 18.949 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD066697.D
 Acq: 15 Sep 2020 14:22

Tgt Ion: 95 Resp: 94434
 Ion Ratio Lower Upper
 95 100
 174 75.7 0.0 156.6
 176 72.8 0.0 150.2





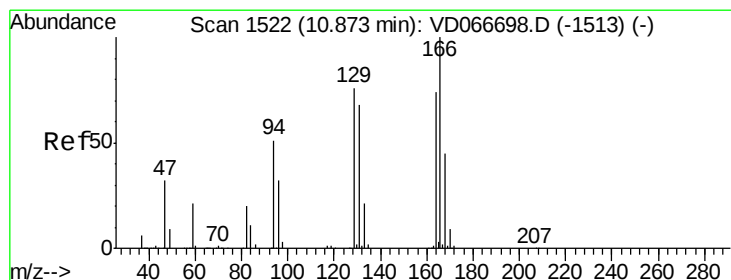
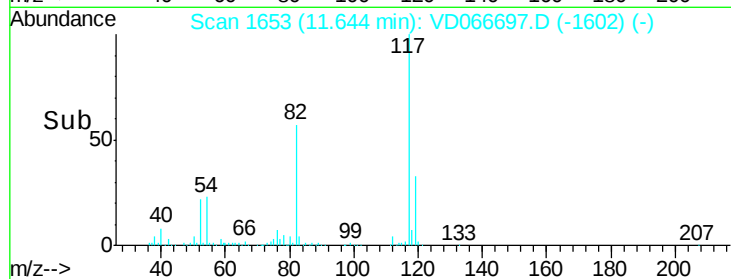
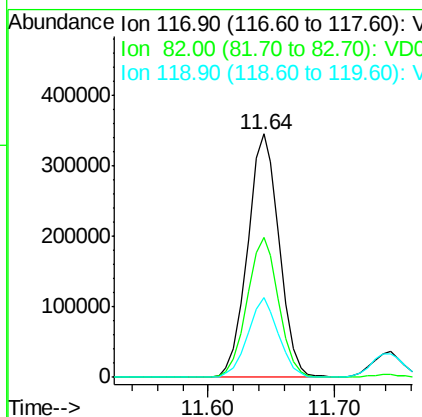
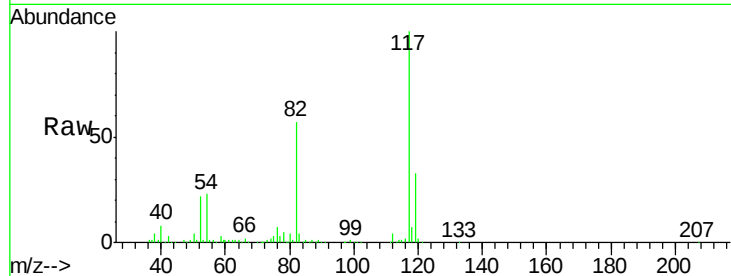
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	599682		
82	57.5		45.4	68.0
119	32.5		25.8	38.6

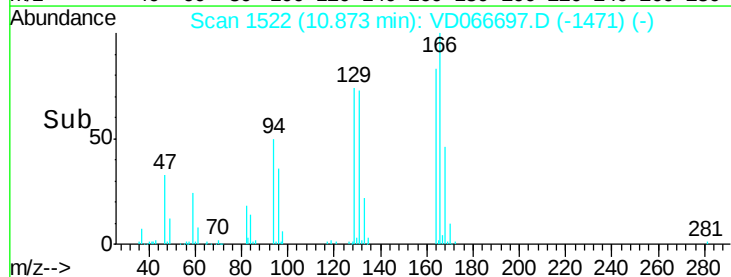
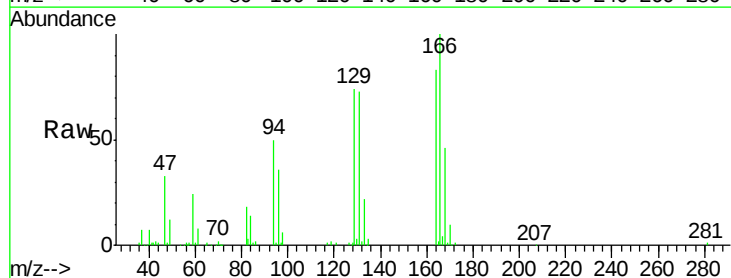
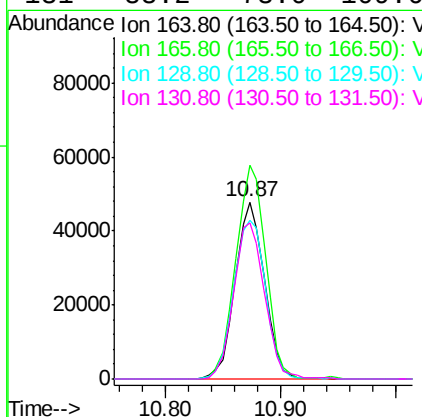
Manual Integrations
APPROVED

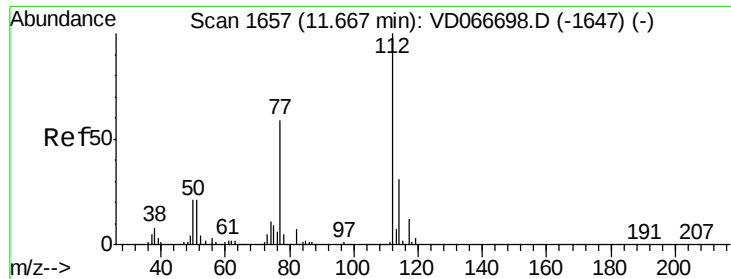
MMDadoda
9/16/2020 11:44:18 AM



#64
Tetrachloroethene
Concen: 20.639 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	84487		
166	120.6		107.5	161.3
129	89.8		81.4	122.0
131	88.2		73.0	109.6





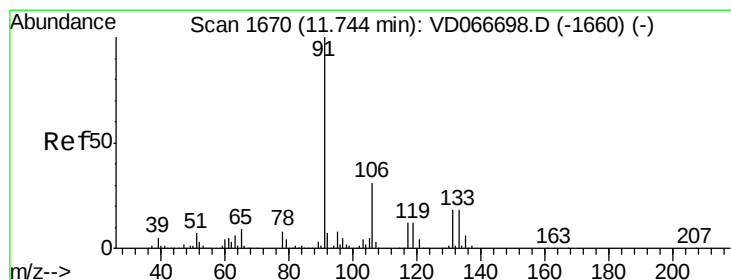
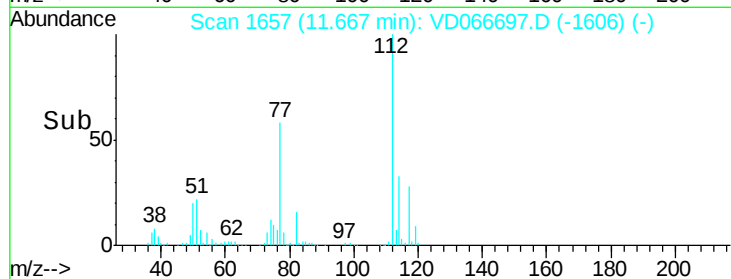
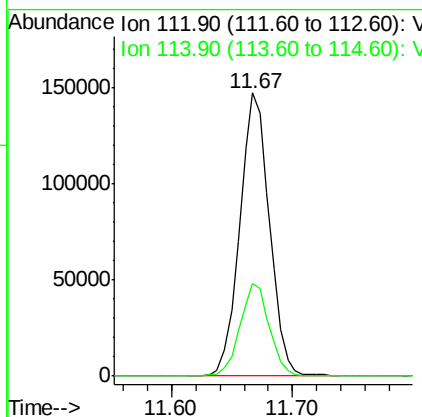
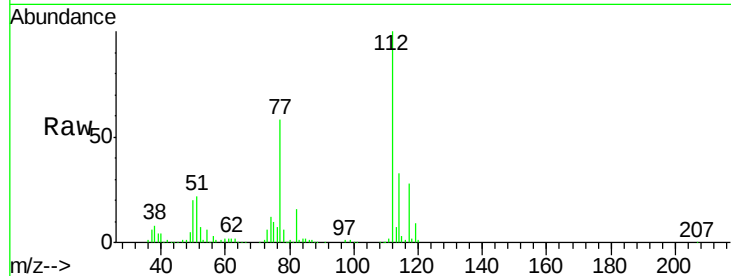
#65
Chlorobenzene
Concen: 20.284 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.0	37.6

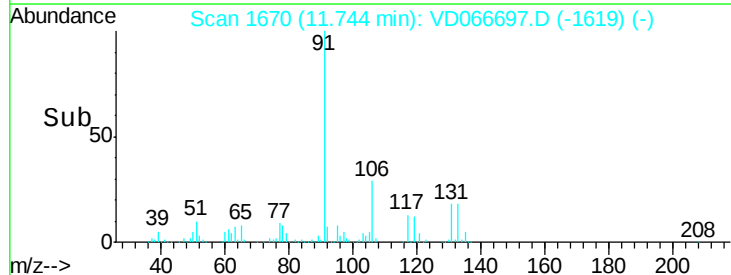
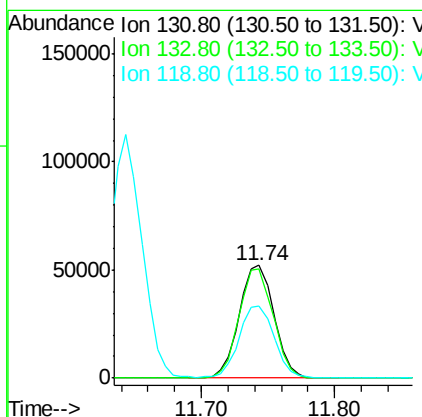
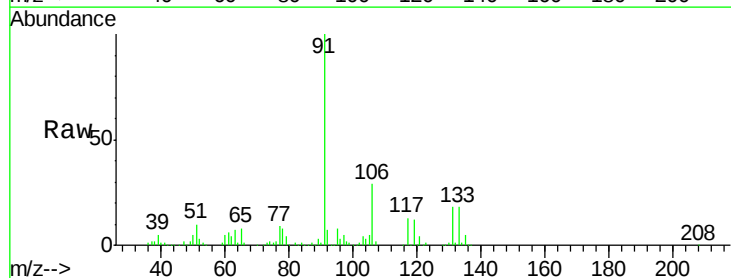
Manual Integrations
APPROVED

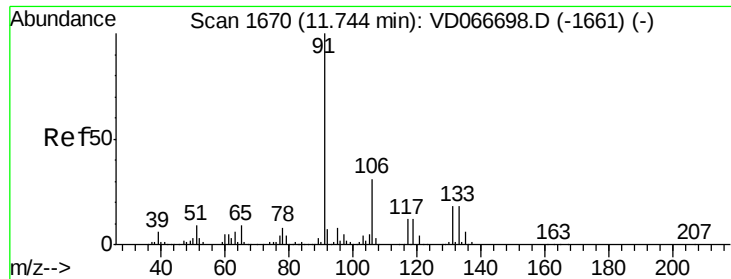
MMDadoda
9/16/2020 11:44:18 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.546 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.8	143.3
119	65.0	33.6	100.8





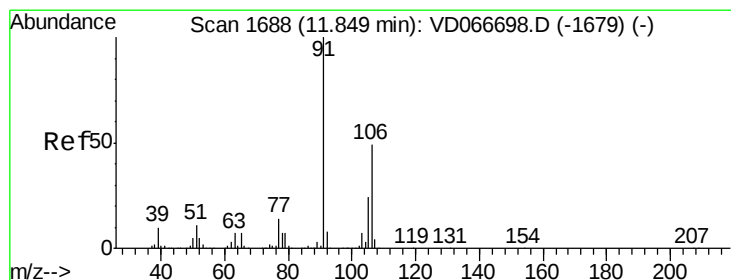
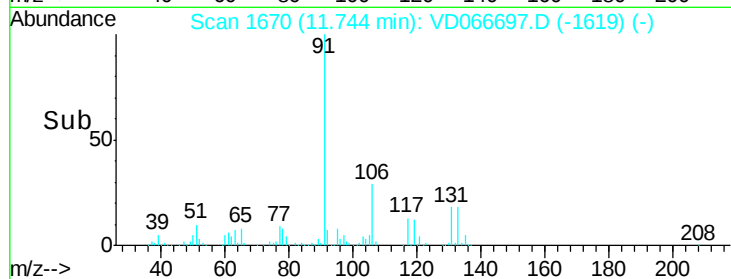
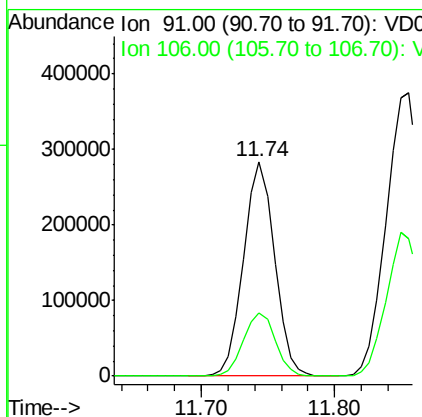
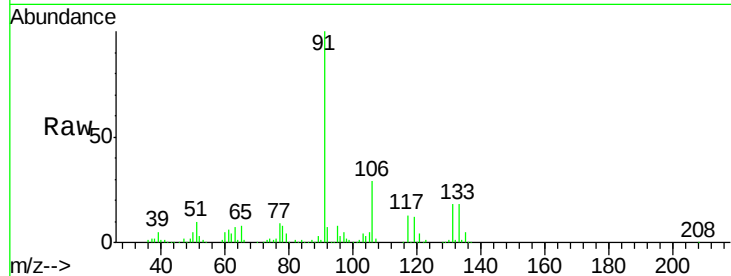
#67
Ethyl Benzene
Concen: 20.328 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 457160
Ion Ratio Lower Upper
91 100
106 29.3 25.1 37.7

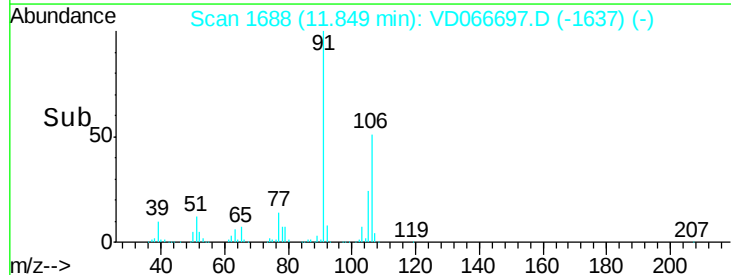
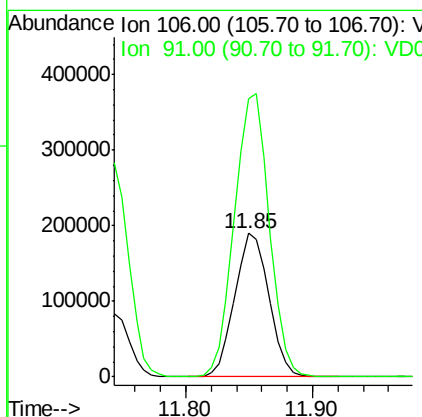
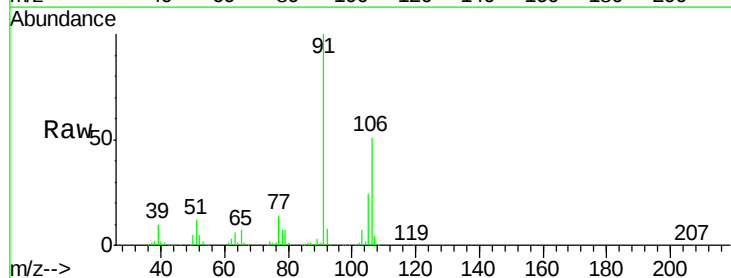
Manual Integrations
APPROVED

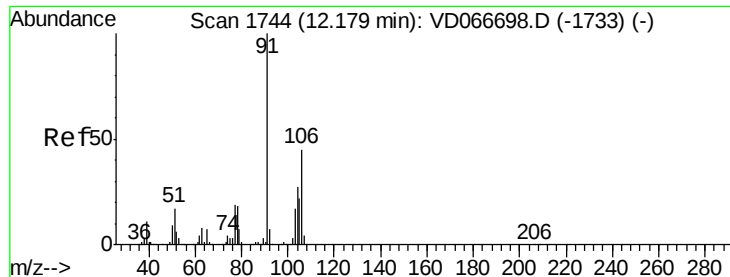
MMDadoda
9/16/2020 11:44:18 AM



#68
m/p-Xylenes
Concen: 41.775 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Tgt Ion: 106 Resp: 355082
Ion Ratio Lower Upper
106 100
91 201.3 164.8 247.2





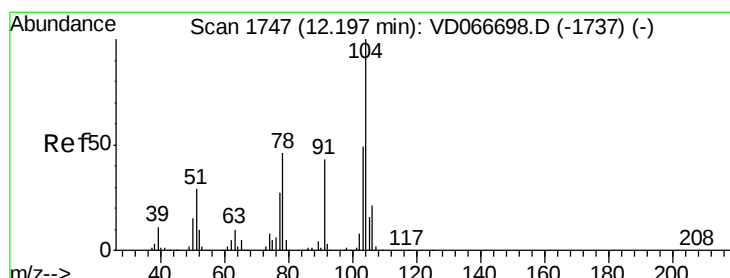
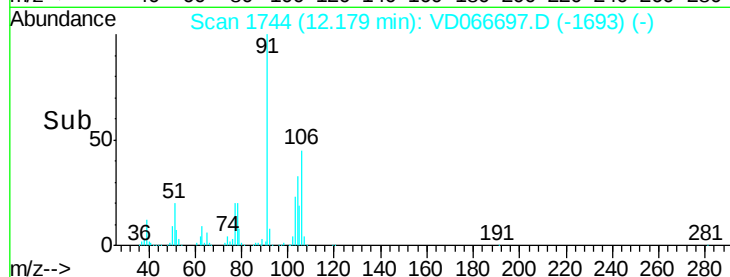
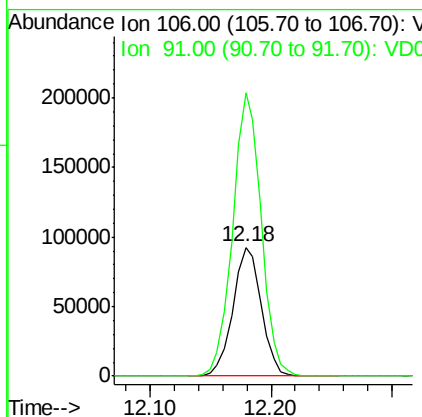
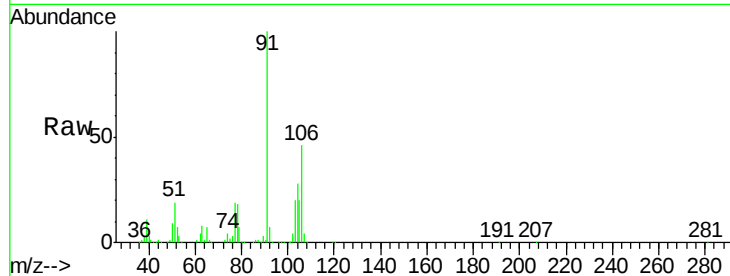
#69
o-Xylene
Concen: 20.245 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 152067
Ion Ratio Lower Upper
106 100
91 219.4 109.4 328.2

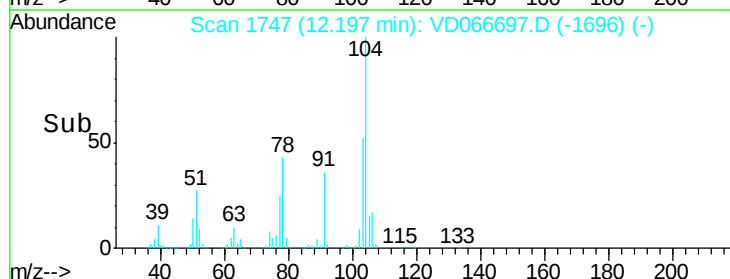
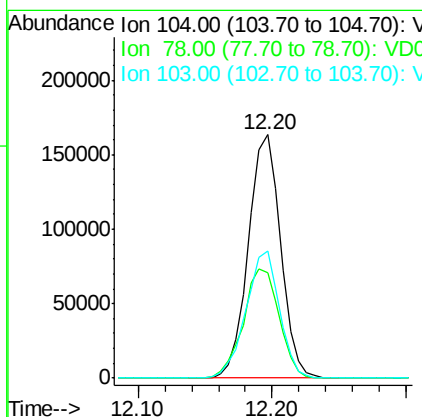
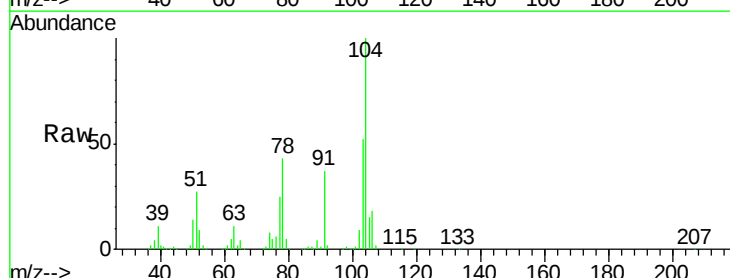
Manual Integrations
APPROVED

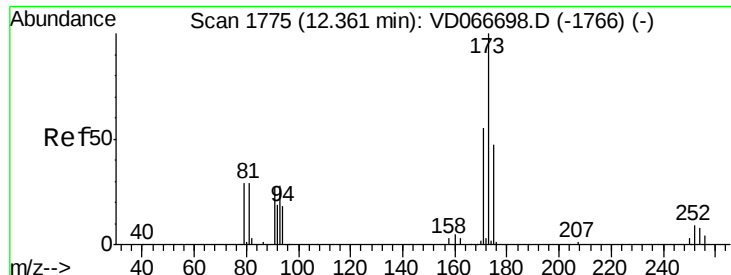
MMDadoda
9/16/2020 11:44:18 AM



#70
Styrene
Concen: 20.595 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Tgt Ion:104 Resp: 272270
Ion Ratio Lower Upper
104 100
78 50.1 40.2 60.4
103 54.5 42.5 63.7





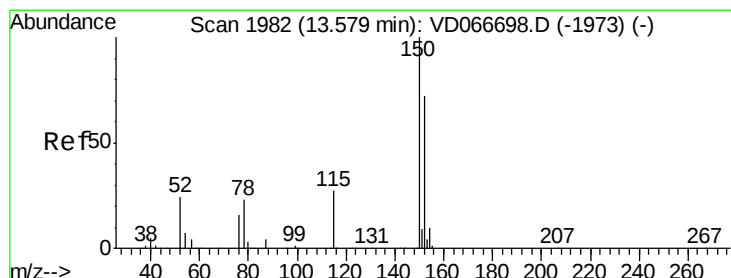
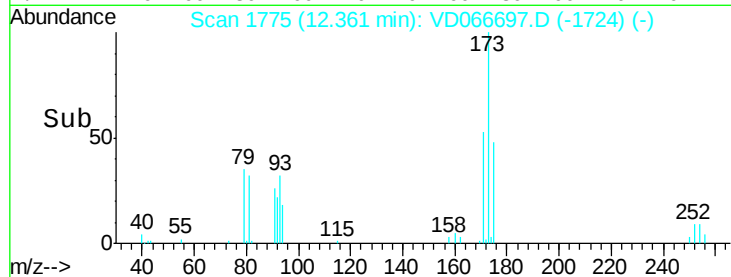
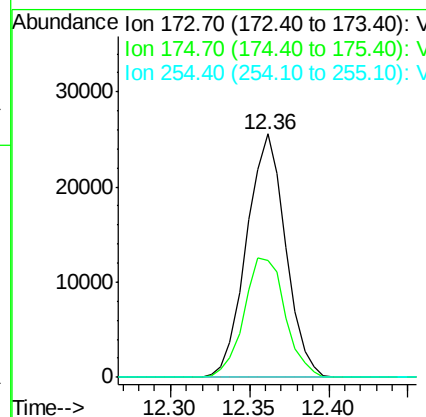
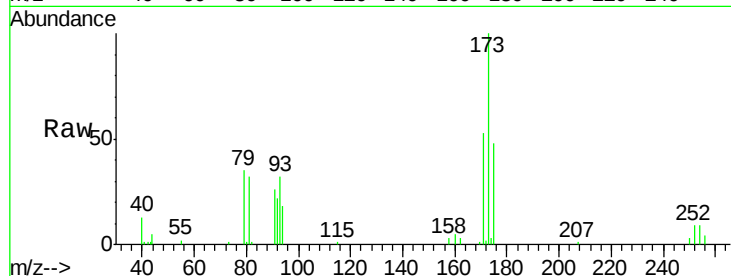
#71
Bromoform
Concen: 19.046 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.5	24.3	72.8
254	0.0	0.1	0.1#

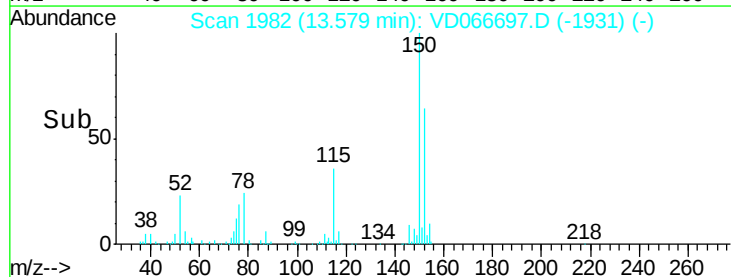
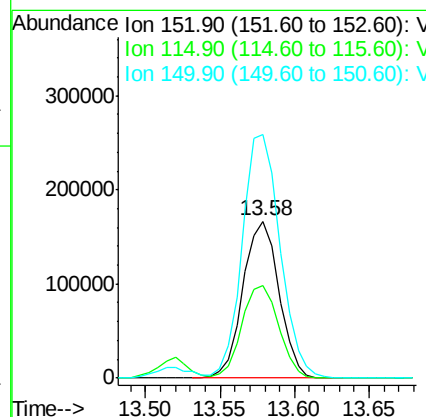
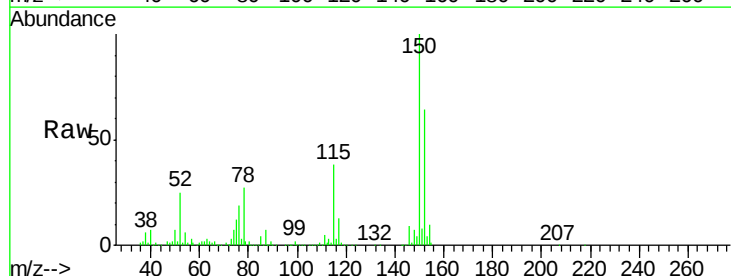
Manual Integrations
APPROVED

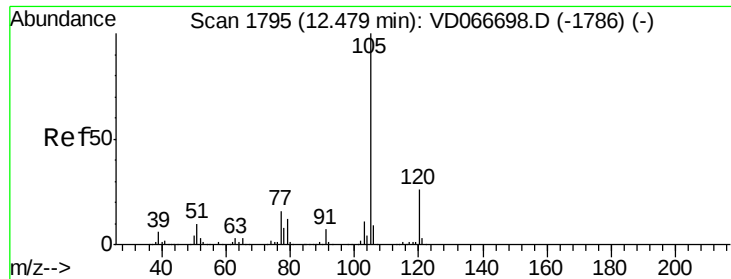
MMDadoda
9/16/2020 11:44:18 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.8	30.5	91.5
150	162.9	0.0	344.6





#73

Isopropylbenzene

Concen: 20.267 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 422327

Ion Ratio Lower Upper

105 100

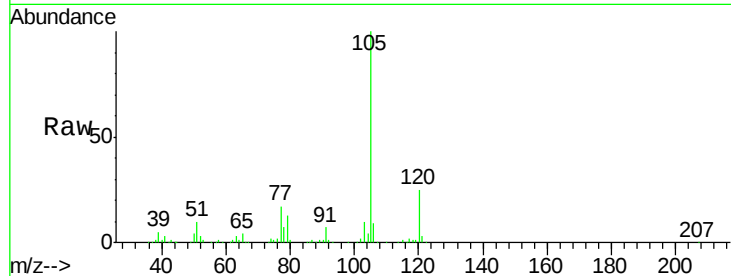
120 25.5 13.1 39.1

Manual Integrations

APPROVED

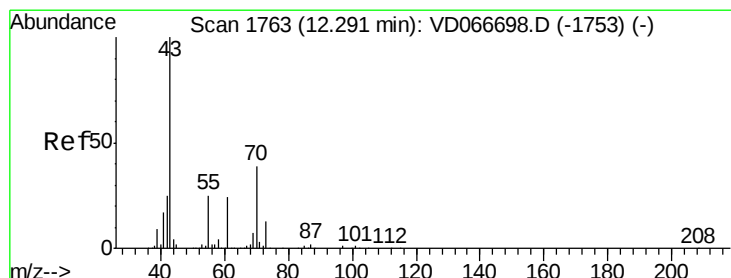
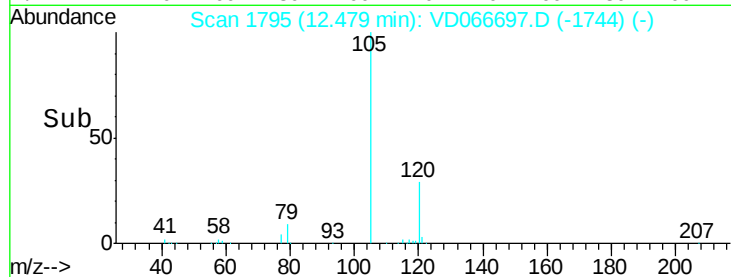
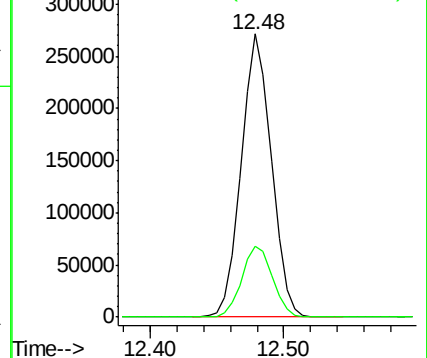
MMDadoda

9/16/2020 11:44:18 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.206 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Tgt Ion: 43 Resp: 84425

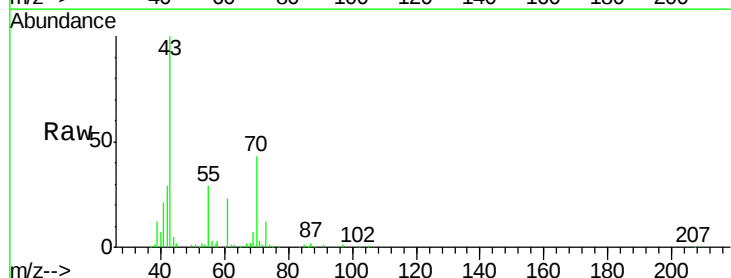
Ion Ratio Lower Upper

43 100

70 43.1 33.0 49.4

55 28.5 20.6 30.8

61 24.0 19.1 28.7

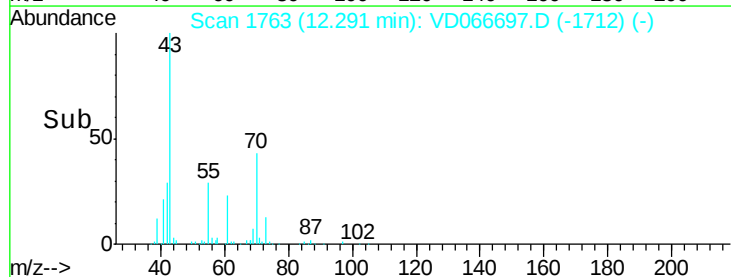
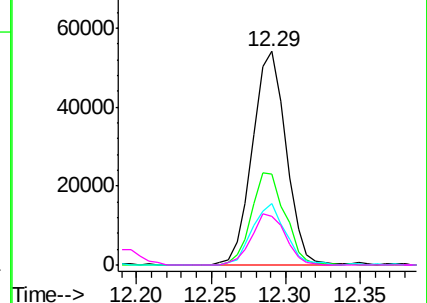


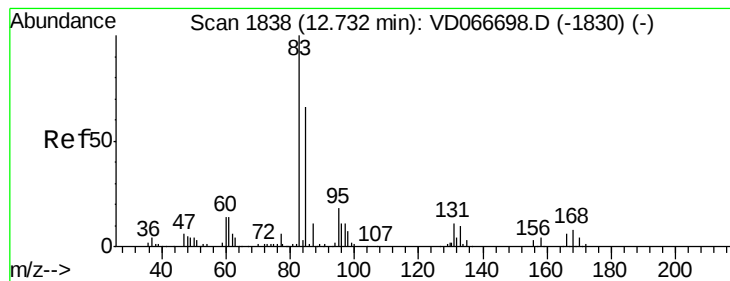
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.966 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 83 Resp: 70696

Ion Ratio Lower Upper

83 100

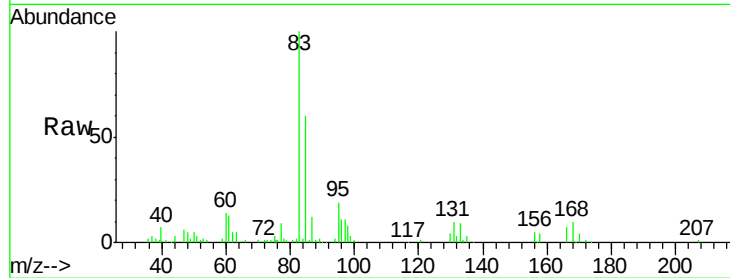
131 10.1 5.8 17.3

85 63.5 33.3 99.8

Manual Integrations
APPROVED

MMDadoda

9/16/2020 11:44:18 AM



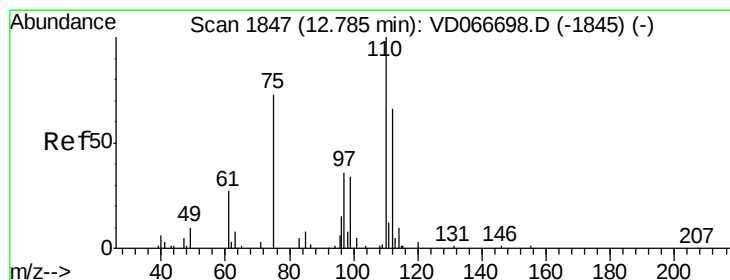
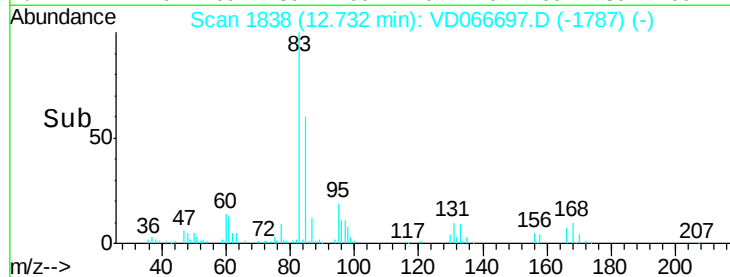
Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC

12.73

Time-->



#76

1,2,3-Trichloropropane

Concen: 19.513 ug/l m

RT: 12.78 min Scan# 1846

Delta R.T. -0.01 min

Lab File: VD066697.D

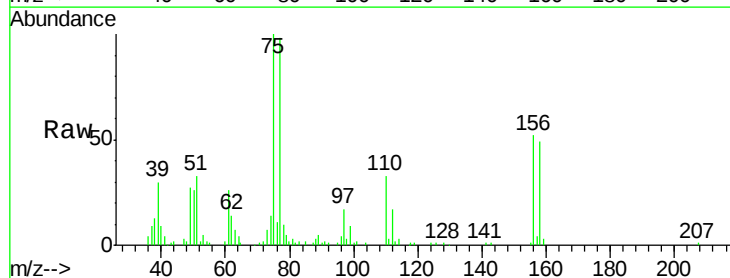
Acq: 15 Sep 2020 14:22

Tgt Ion: 75 Resp: 46099

Ion Ratio Lower Upper

75 100

77 390.1 0.0 0.0#

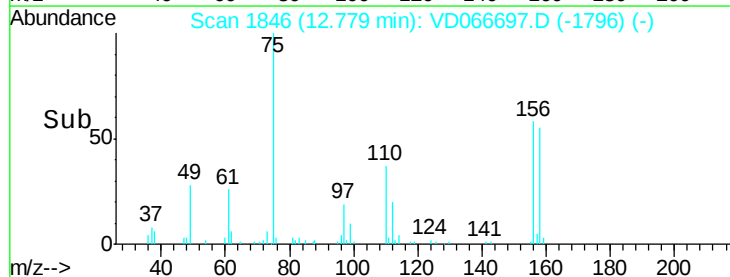


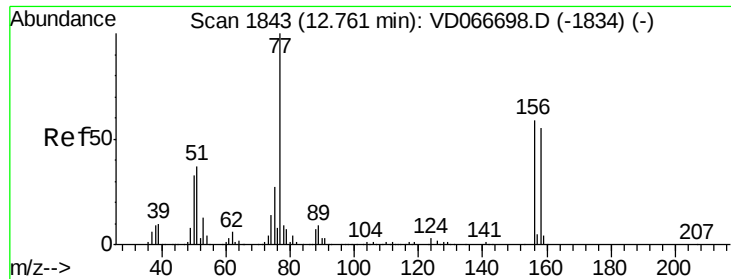
Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.78

Time-->





#77

Bromobenzene

Concen: 19.772 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 94959

Ion Ratio Lower Upper

156 100

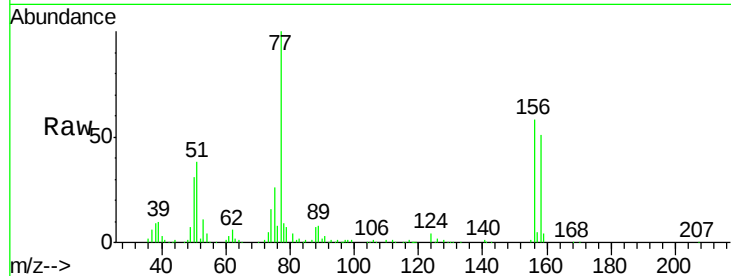
77 189.4 95.8 287.3

158 94.0 48.4 145.0

Manual Integrations
APPROVED

MMDadoda

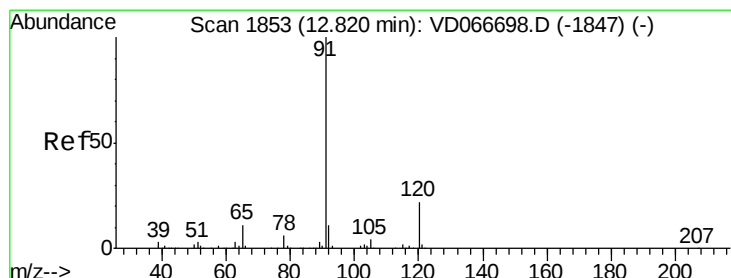
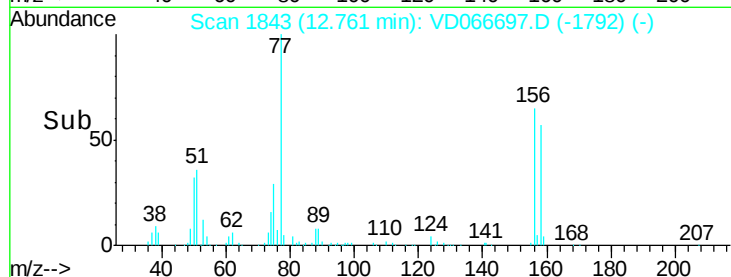
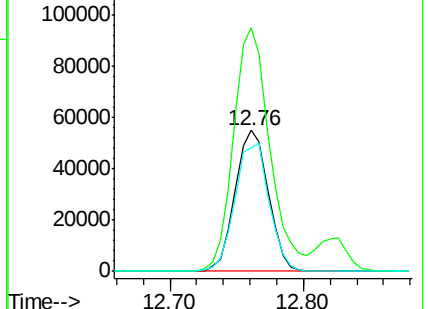
9/16/2020 11:44:18 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.443 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066697.D

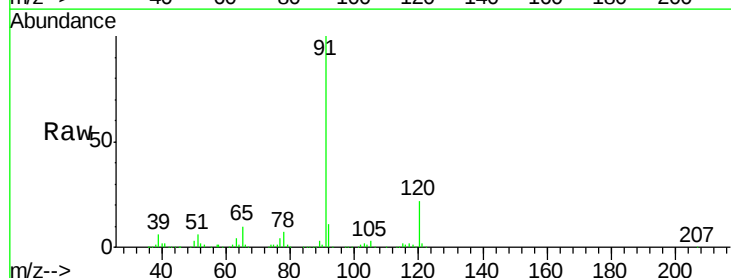
Acq: 15 Sep 2020 14:22

Tgt Ion: 91 Resp: 519297

Ion Ratio Lower Upper

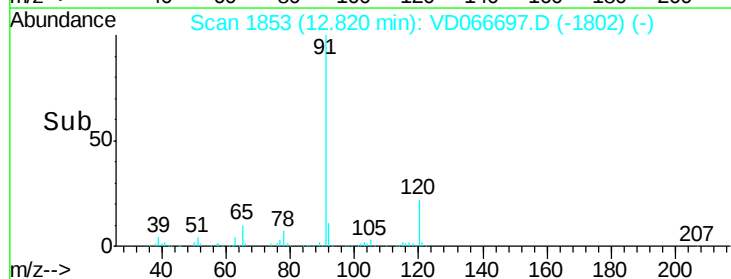
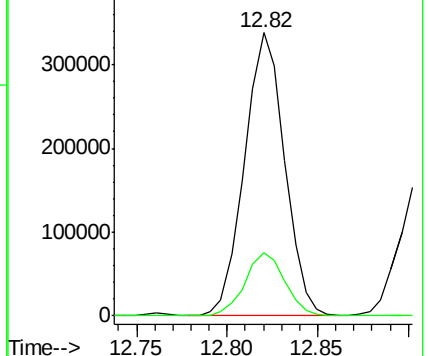
91 100

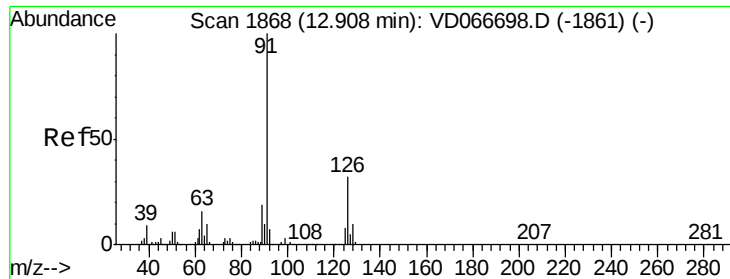
120 22.3 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.449 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 293710

Ion Ratio Lower Upper

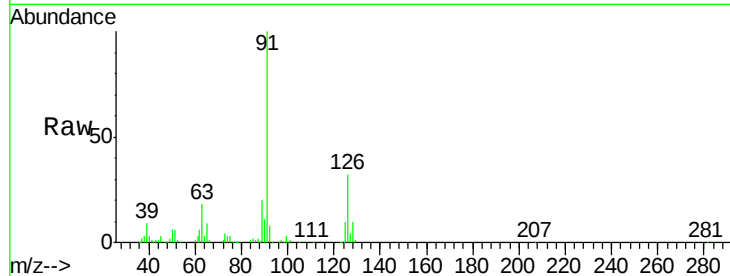
91 100

126 32.1 16.2 48.6

Manual Integrations
APPROVED

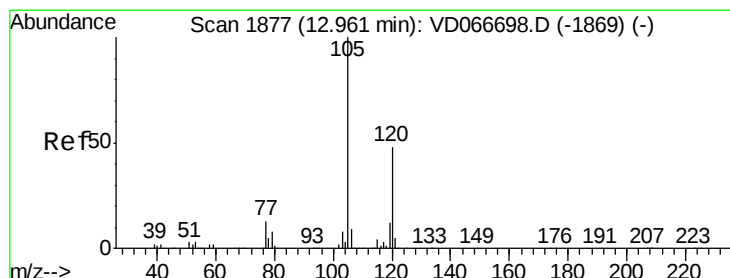
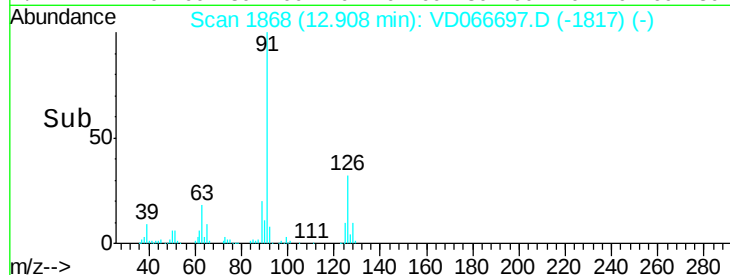
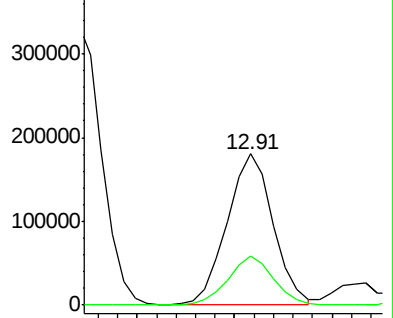
MMDadoda

9/16/2020 11:44:18 AM



Abundance Ion 91.00 (90.70 to 91.70): VD066698.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD066698.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.696 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066697.D

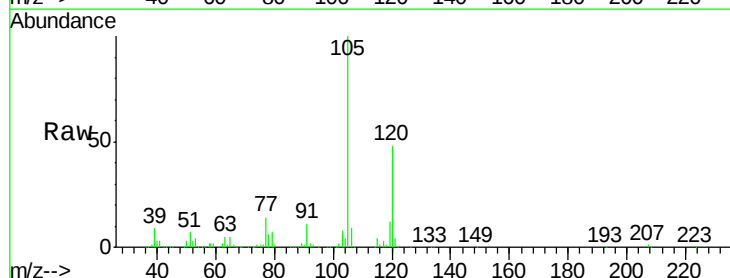
Acq: 15 Sep 2020 14:22

Tgt Ion: 105 Resp: 364639

Ion Ratio Lower Upper

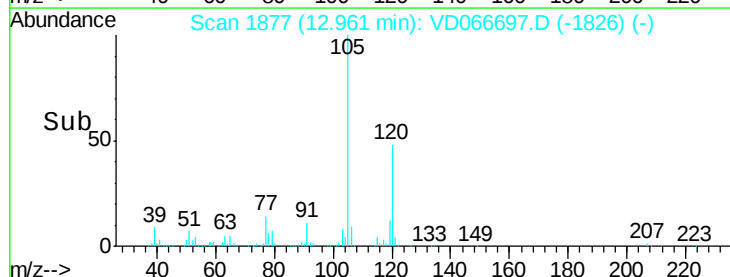
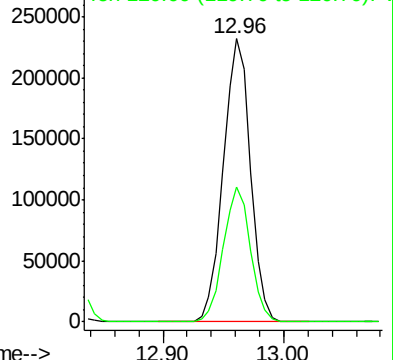
105 100

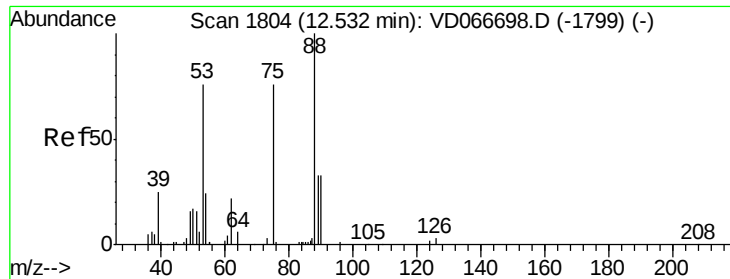
120 47.7 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VD066698.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD066698.D (-1869) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.205 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Instrument :

MSVOA_D

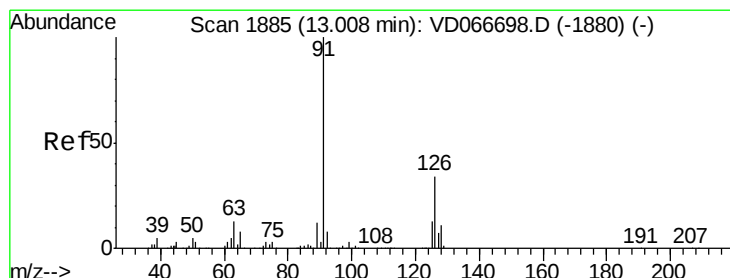
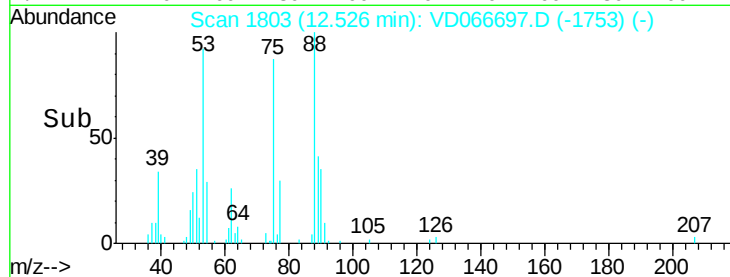
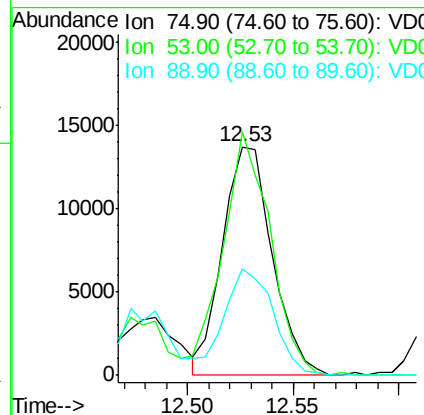
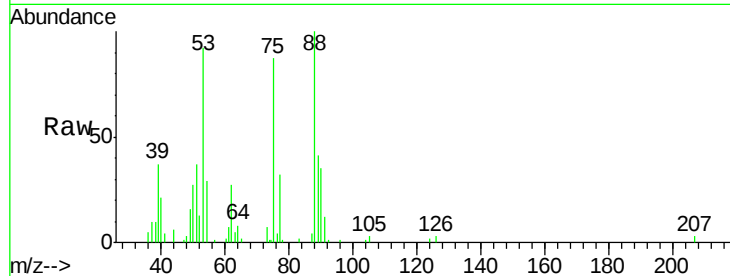
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	22369
Ion	Ratio	Lower	Upper
75	100		
53	102.5	82.2	123.4
89	46.3	39.6	59.4

Manual Integrations
APPROVED

MMDadoda
9/16/2020 11:44:18 AM



#82

4-Chlorotoluene

Concen: 20.769 ug/l

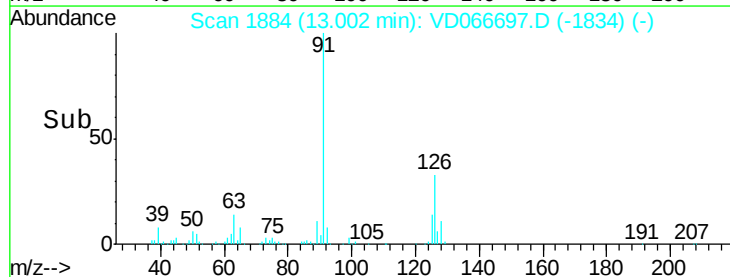
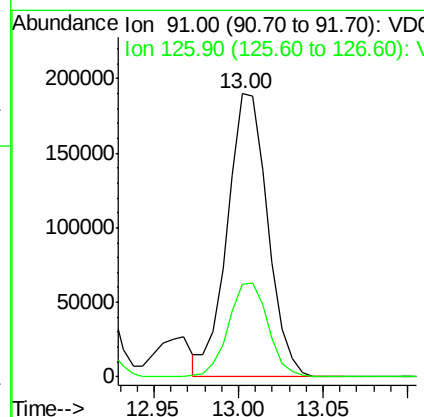
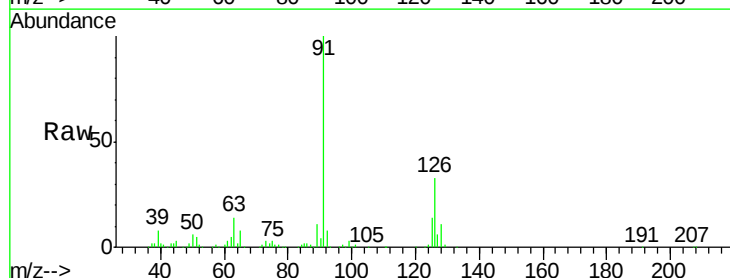
RT: 13.00 min Scan# 1884

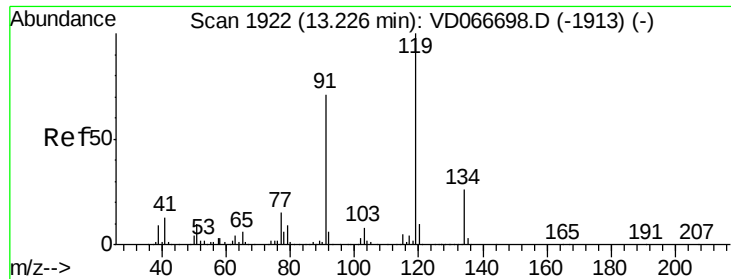
Delta R.T. -0.01 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Tgt Ion:	91	Resp:	315425
Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.8	50.4





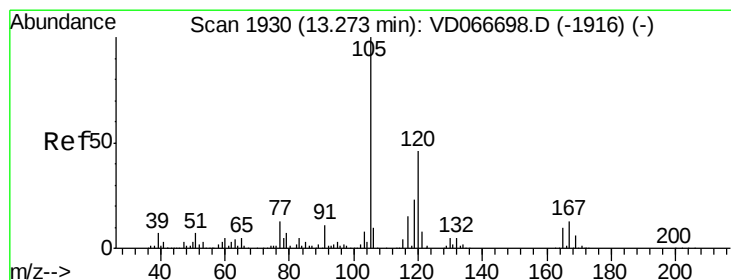
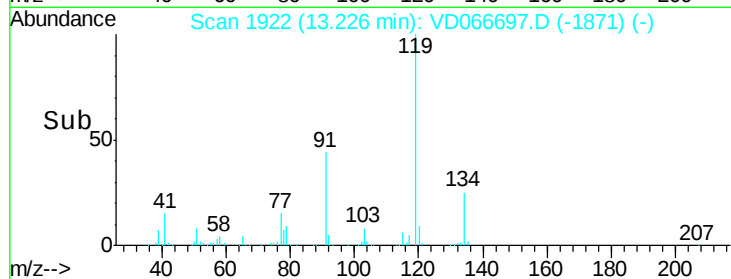
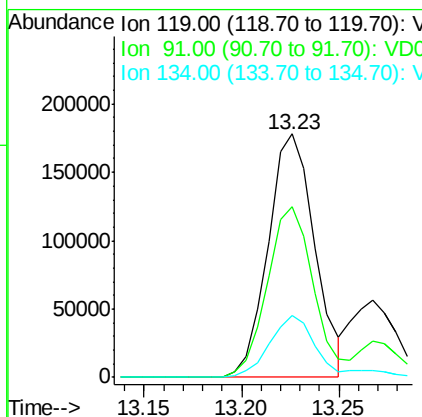
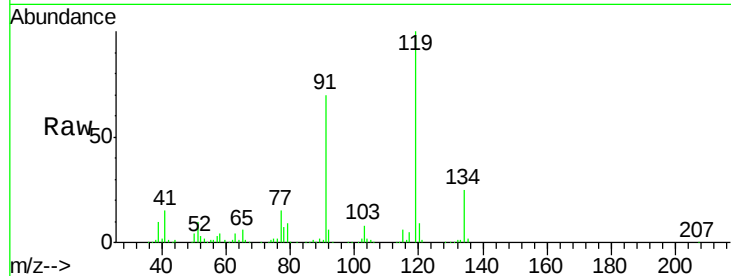
#83
tert-Butylbenzene
Concen: 20.315 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.1	35.0	105.1
134	25.0	13.6	40.8

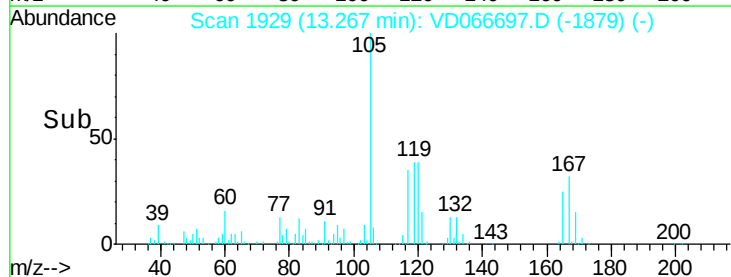
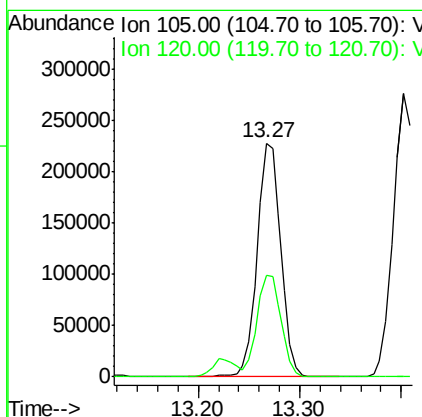
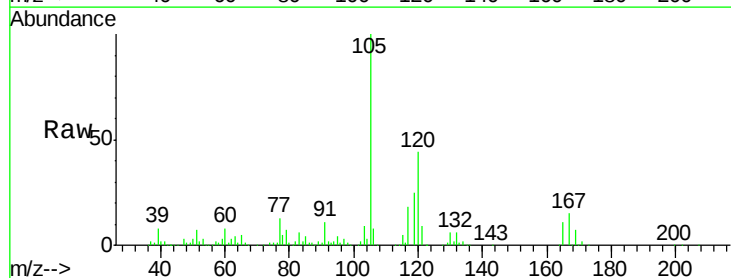
Manual Integrations
APPROVED

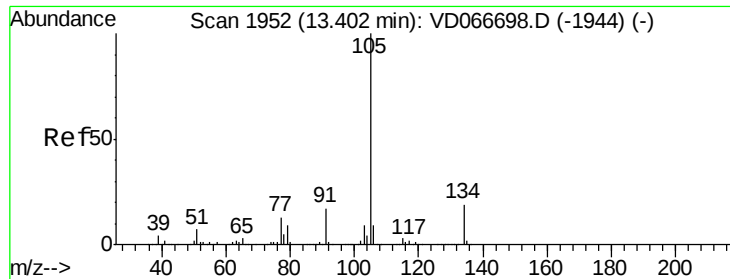
MMDadoda
9/16/2020 11:44:18 AM



#84
1,2,4-Trimethylbenzene
Concen: 21.099 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.01 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.4	67.2





#85

sec-Butylbenzene

Concen: 20.495 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 426678

Ion Ratio Lower Upper

105 100

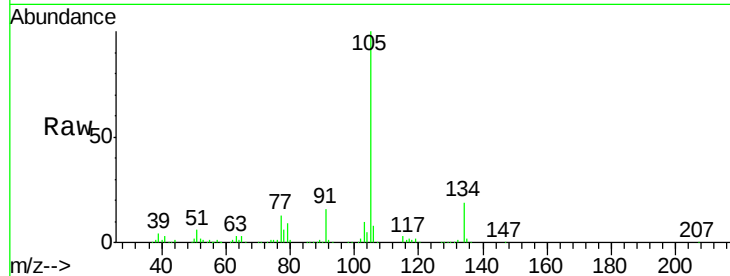
134 19.3 10.0 30.0

Manual Integrations

APPROVED

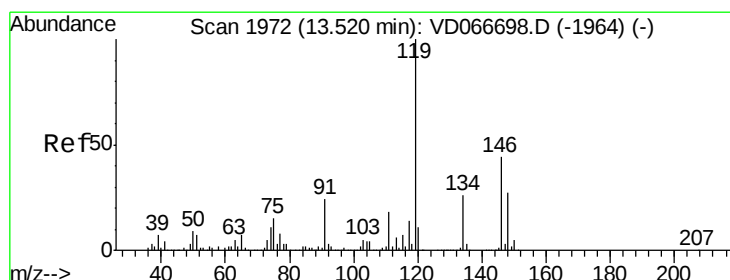
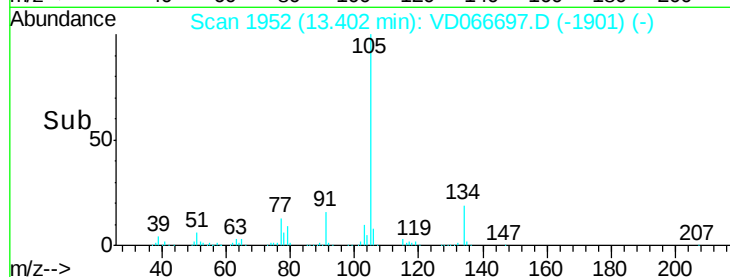
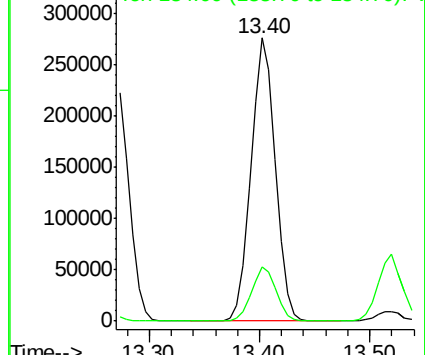
MMDadoda

9/16/2020 11:44:18 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.095 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

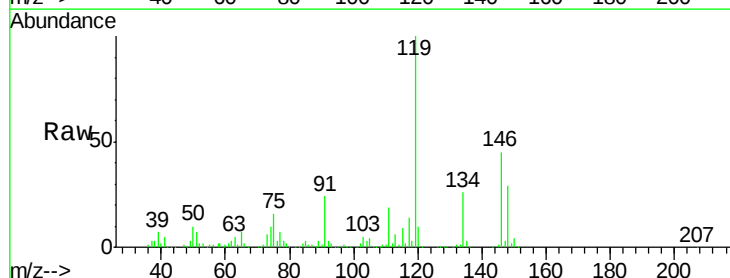
Tgt Ion:119 Resp: 380332

Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.7

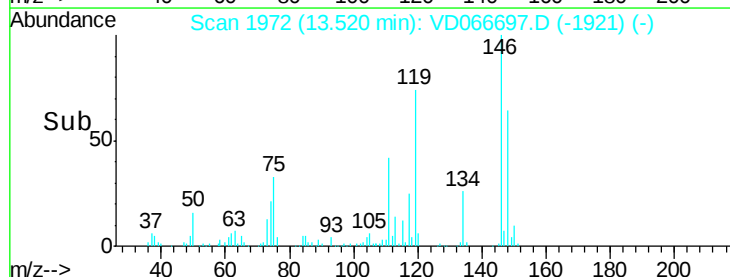
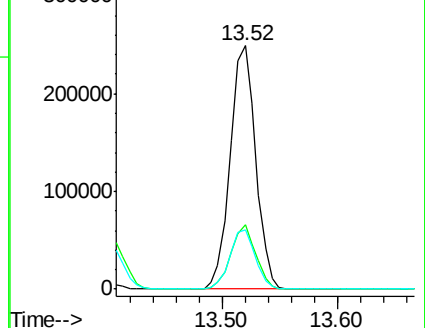
91 24.3 12.3 36.9

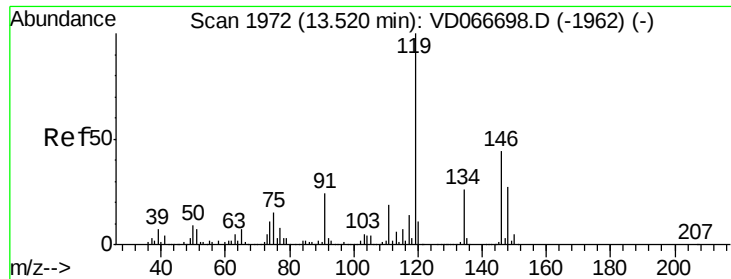


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.293 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

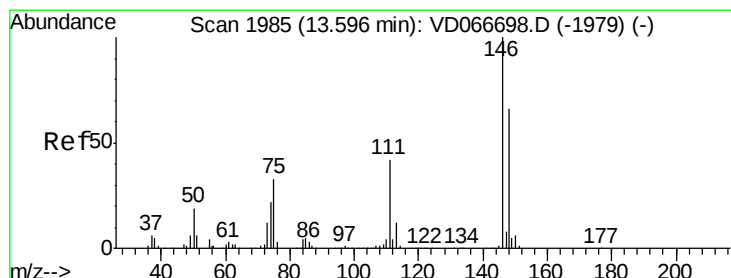
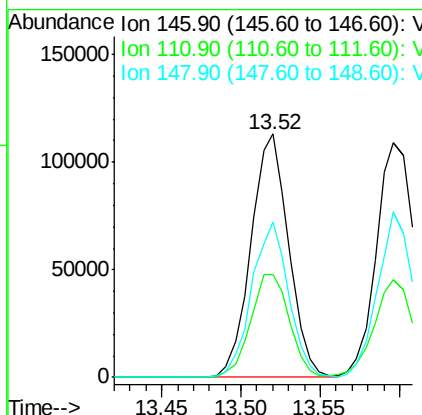
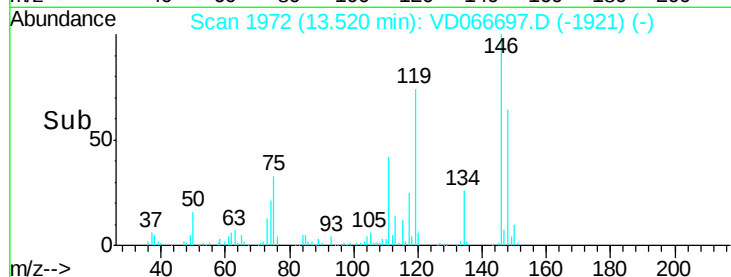
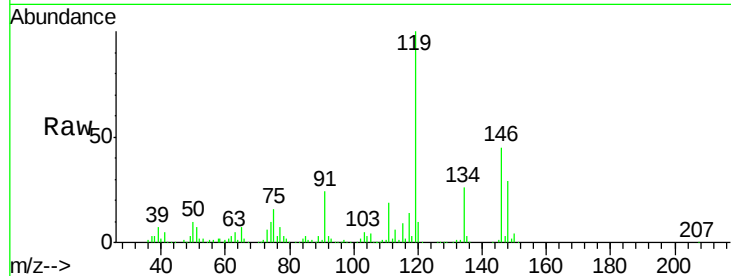
Instrument :
MSVOA_D

ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	186983		
111	43.6	21.1	63.3	
148	62.6	31.4	94.2	

Manual Integrations
APPROVED

MMDadoda
9/16/2020 11:44:18 AM



#88

1,4-Dichlorobenzene

Concen: 20.056 ug/l

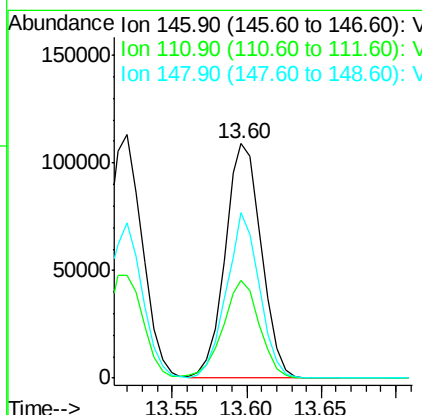
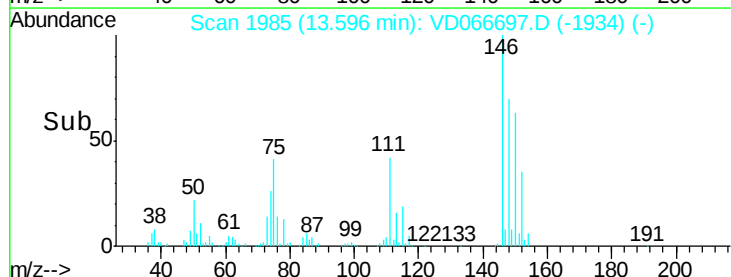
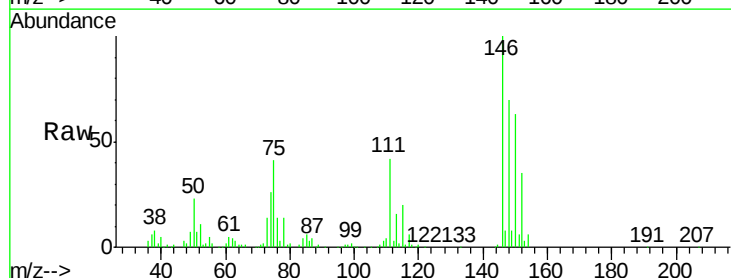
RT: 13.60 min Scan# 1985

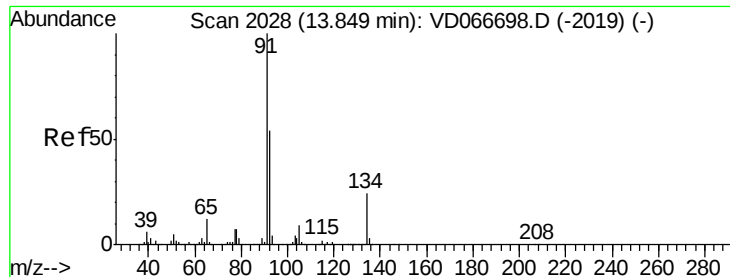
Delta R.T. 0.00 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	184027		
111	42.0	20.5	61.6	
148	64.7	32.7	98.1	





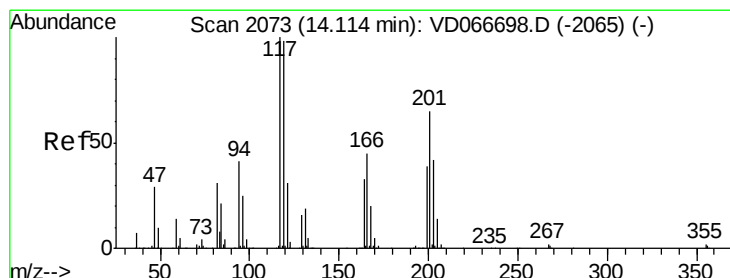
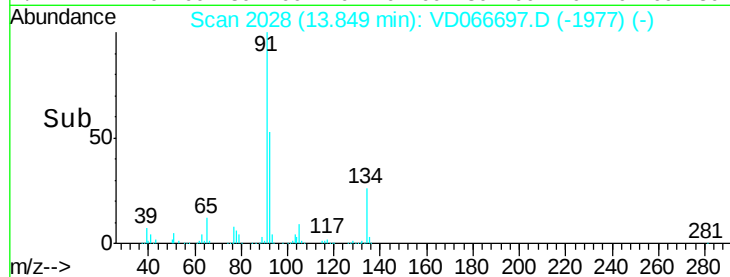
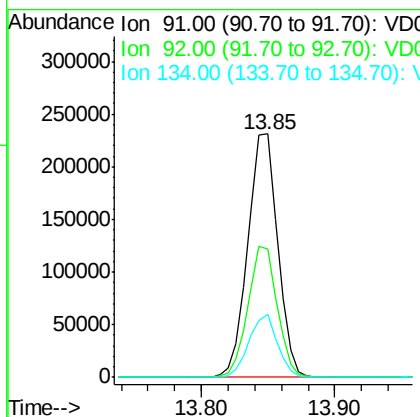
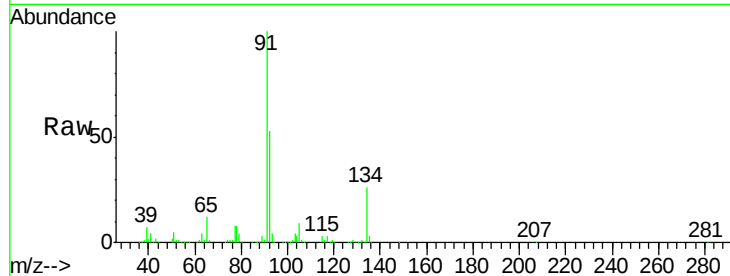
#89
n-Butylbenzene
Concen: 19.851 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	27.0	81.0
134	24.6	12.4	37.0

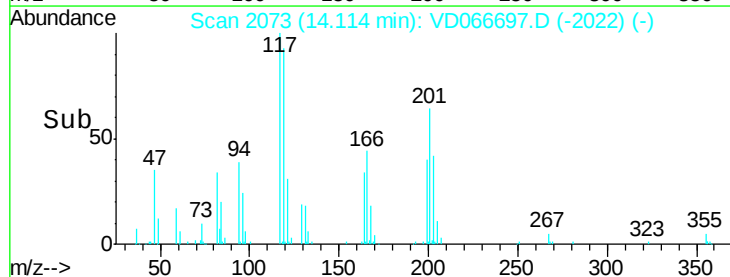
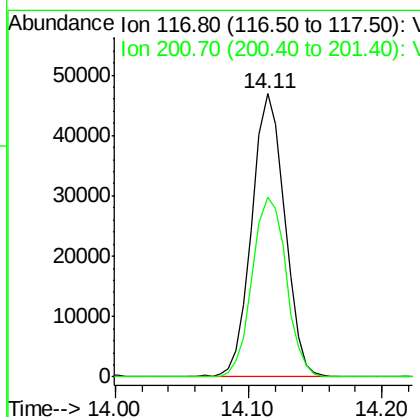
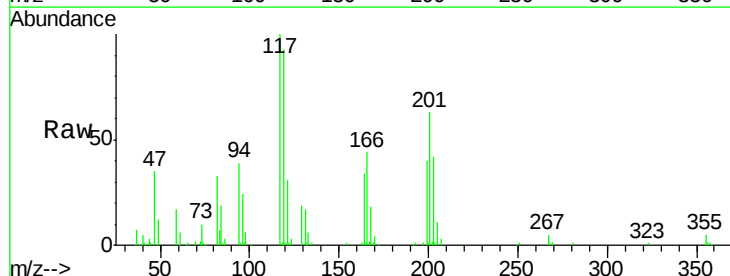
Manual Integrations
APPROVED

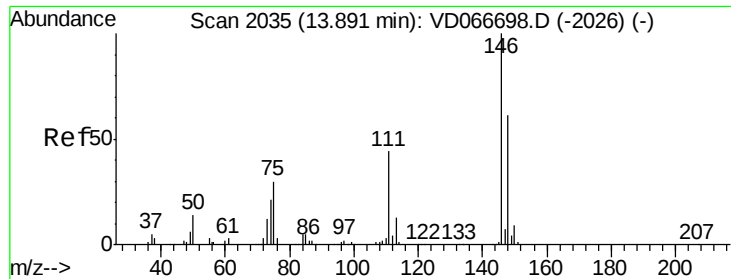
MMDadoda
9/16/2020 11:44:18 AM



#90
Hexachloroethane
Concen: 20.572 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.3	33.1	99.3





#91

1,2-Dichlorobenzene

Concen: 20.040 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Instrument :

MSVOA_D

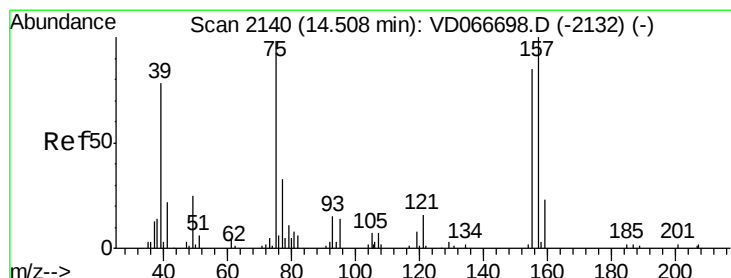
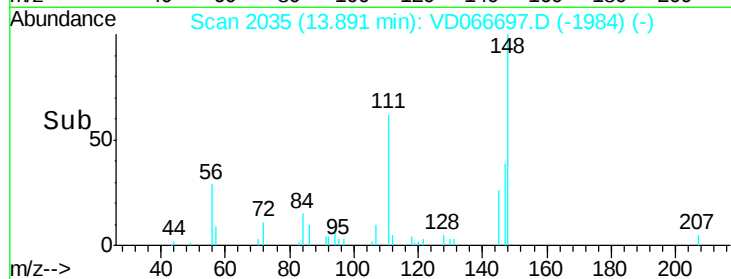
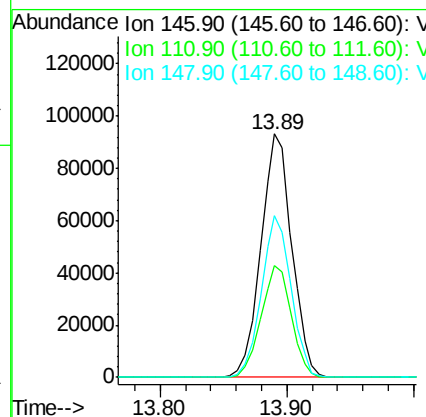
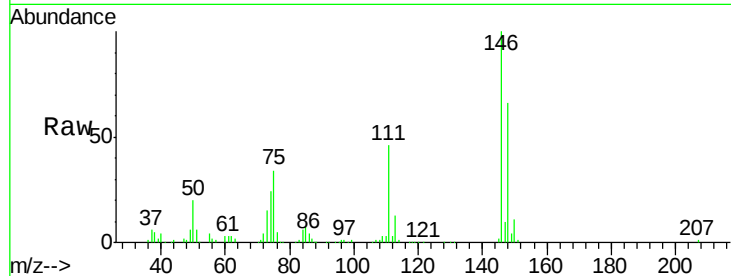
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	158221
Ion Ratio	Lower	Upper	
146	100		
111	45.0	21.6	64.6
148	63.8	31.4	94.3

Manual Integrations
APPROVED

MMDadoda
9/16/2020 11:44:18 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.529 ug/l

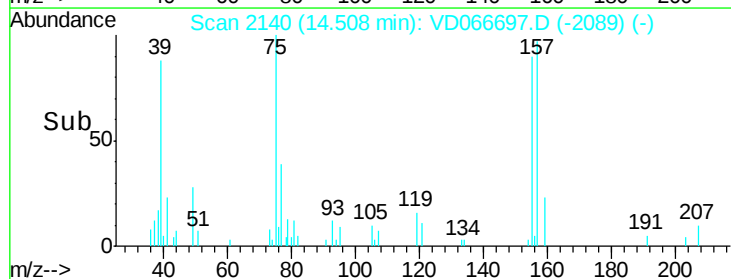
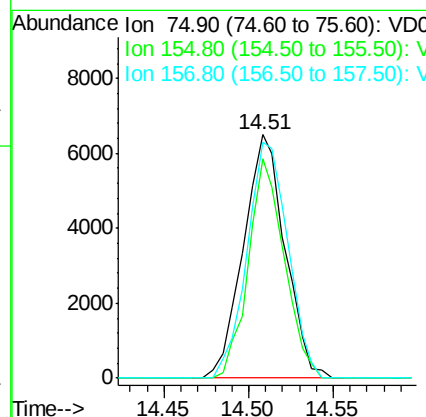
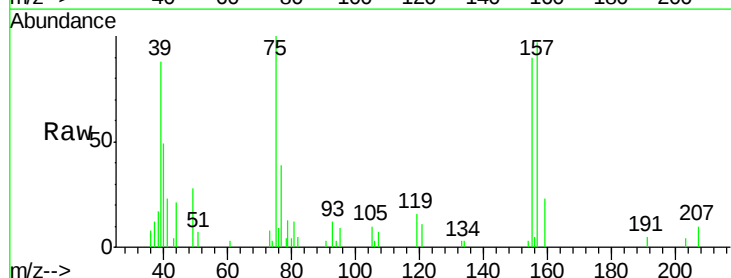
RT: 14.51 min Scan# 2140

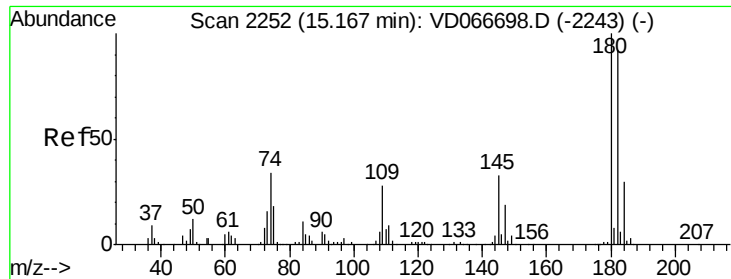
Delta R.T. 0.00 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Tgt Ion:	75	Resp:	11178
Ion Ratio	Lower	Upper	
75	100		
155	77.8	38.9	116.7
157	94.9	46.4	139.2





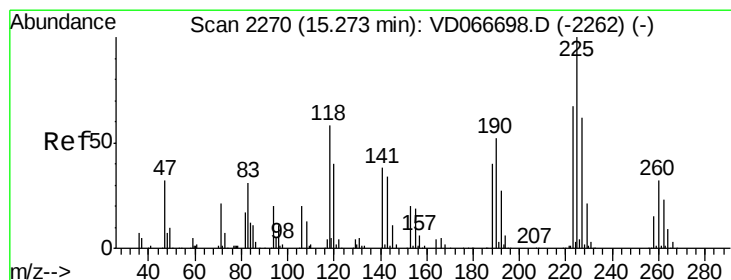
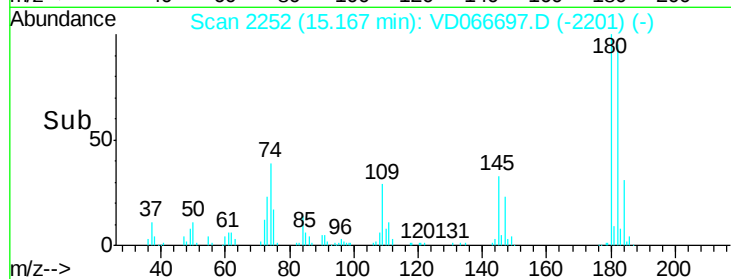
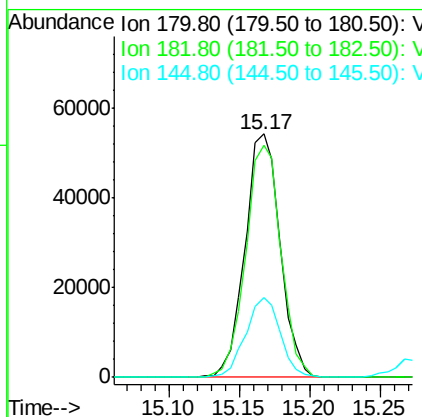
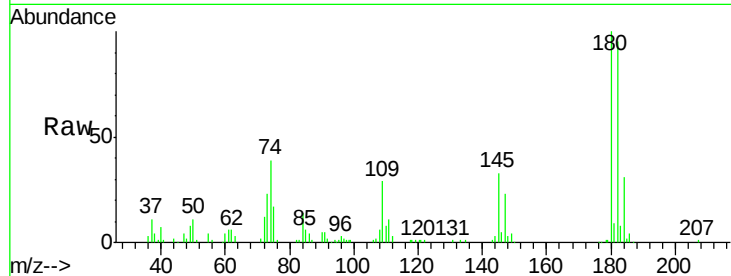
#93
1,2,4-Trichlorobenzene
Concen: 19.826 ug/l
RT: 15.17 min Scan# 2252
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	94675		
182	95.7	46.6	139.7	
145	32.6	16.5	49.5	

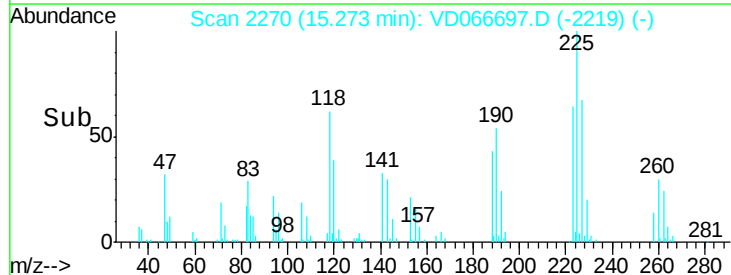
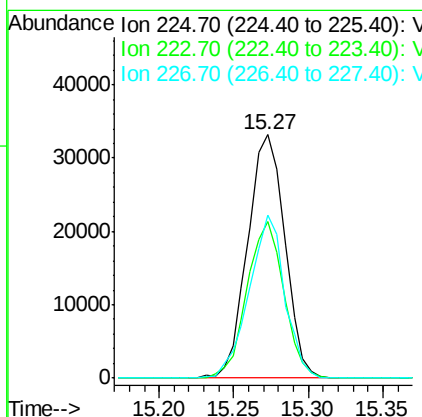
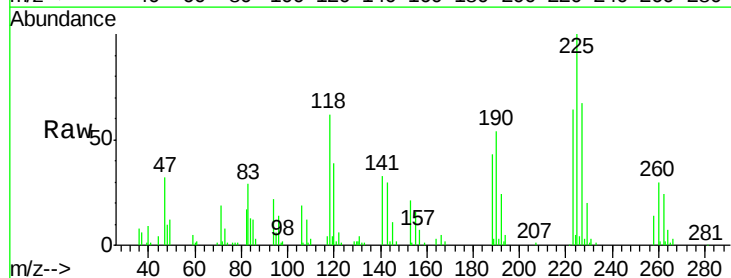
Manual Integrations
APPROVED

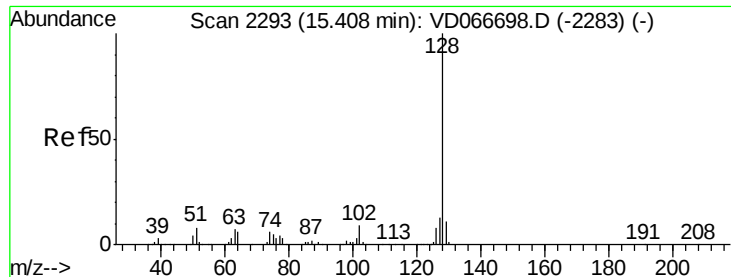
MMDadoda
9/16/2020 11:44:18 AM



#94
Hexachlorobutadiene
Concen: 19.905 ug/l
RT: 15.27 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VD066697.D
Acq: 15 Sep 2020 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	57268		
223	63.6	31.9	95.9	
227	64.1	31.3	93.9	





#95

Naphthalene

Concen: 18.709 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Instrument :

MSVOA_D

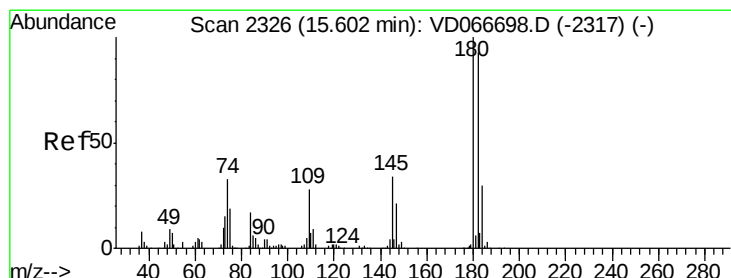
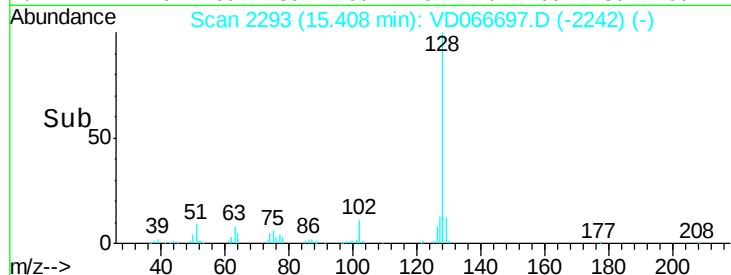
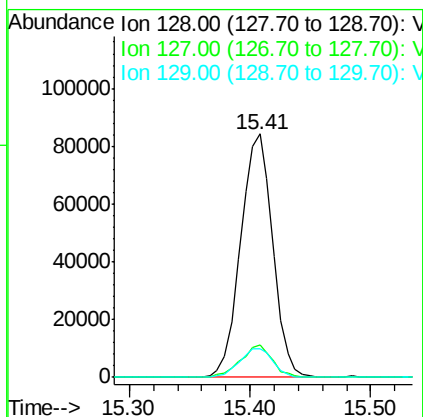
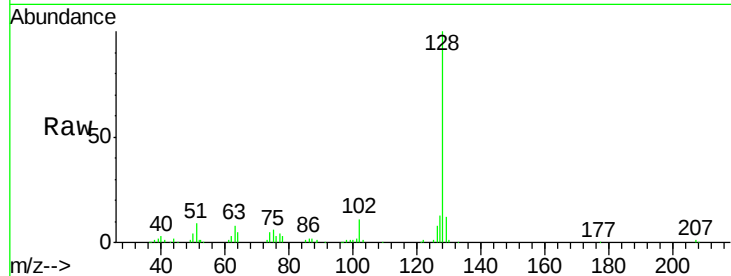
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	156096
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	12.3	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/16/2020 11:44:18 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.757 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD066697.D

Acq: 15 Sep 2020 14:22

Tgt Ion:	180	Resp:	82408
Ion	Ratio	Lower	Upper
180	100		
182	93.2	46.6	139.8
145	34.0	17.1	51.3

