

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111220\
 Data File : VD067617.D
 Acq On : 12 Nov 2020 12:30
 Operator : VA/SY
 Sample : VD1112SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/16/2020 2:34:42 PM

Quant Time: Nov 13 00:44:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	345870	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	509722	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	464119	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	233376	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	138880	45.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.84%	
35) Dibromofluoromethane	7.92	113	147622	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	
50) Toluene-d8	10.34	98	500834	46.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.82%	
62) 4-Bromofluorobenzene	12.64	95	185687	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	63635	20.000	ug/l	95
3) Chloromethane	2.21	50	43925	20.394	ug/l	95
4) Vinyl Chloride	2.35	62	47314	19.704	ug/l	97
5) Bromomethane	2.76	94	37352	19.191	ug/l	91
6) Chloroethane	2.92	64	31034	20.963	ug/l	96
7) Trichlorofluoromethane	3.27	101	127273	20.470	ug/l	100
8) Diethyl Ether	3.71	74	27654	22.073	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	67588	21.536	ug/l	99
10) Methyl Iodide	4.30	142	65021	19.330	ug/l	97
11) Tert butyl alcohol	5.18	59	29418	223.591	ug/l #	79
12) 1,1-Dichloroethene	4.07	96	61732	21.384	ug/l	92
13) Acrolein	3.93	56	5754	66.357	ug/l	97
14) Allyl chloride	4.71	41	66256	21.445	ug/l	96
15) Acrylonitrile	5.42	53	50991	110.105	ug/l	99
16) Acetone	4.15	43	43635	96.418	ug/l #	87
17) Carbon Disulfide	4.41	76	175770	19.870	ug/l	99
18) Methyl Acetate	4.71	43	23228	24.837	ug/l	94
19) Methyl tert-butyl Ether	5.47	73	122101	21.443	ug/l	93
20) Methylene Chloride	4.96	84	69405	21.710	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	69873	20.781	ug/l	98
22) Diisopropyl ether	6.36	45	136969	22.749	ug/l	98
23) Vinyl Acetate	6.30	43	343116	108.871	ug/l	99
24) 1,1-Dichloroethane	6.27	63	106932	21.710	ug/l	99
25) 2-Butanone	7.21	43	56275	116.373	ug/l	98
26) 2,2-Dichloropropane	7.21	77	111193	21.390	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	76044	21.789	ug/l	98
28) Bromochloromethane	7.54	49	35209	20.096	ug/l	98
29) Tetrahydrofuran	7.56	42	35121	121.248	ug/l	97
30) Chloroform	7.71	83	125679	21.388	ug/l	95
31) Cyclohexane	7.98	56	90027	20.525	ug/l #	94
32) 1,1,1-Trichloroethane	7.90	97	123996	20.451	ug/l	99
36) 1,1-Dichloropropene	8.11	75	93281	21.379	ug/l	98
37) Ethyl Acetate	7.29	43	23168	20.453	ug/l #	93
38) Carbon Tetrachloride	8.10	117	123094	21.714	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111220\
 Data File : VD067617.D
 Acq On : 12 Nov 2020 12:30
 Operator : VA/SY
 Sample : VD1112SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/16/2020 2:34:42 PM

Quant Time: Nov 13 00:44:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	106099	20.661	ug/l	98
40) Benzene	8.36	78	259325	21.942	ug/l	98
41) Methacrylonitrile	7.53	41	15062	22.245	ug/l #	88
42) 1,2-Dichloroethane	8.43	62	75540	20.687	ug/l	97
43) Isopropyl Acetate	8.46	43	50339	22.470	ug/l	97
44) Trichloroethene	9.11	130	82065	21.118	ug/l	86
45) 1,2-Dichloropropane	9.39	63	57004	22.308	ug/l	94
46) Dibromomethane	9.48	93	35401	21.789	ug/l	100
47) Bromodichloromethane	9.67	83	96320	21.812	ug/l	97
48) Methyl methacrylate	9.46	41	23322	20.163	ug/l	91
49) 1,4-Dioxane	9.47	88	7205	436.834	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	122248	114.101	ug/l	98
52) Toluene	10.41	92	174903	22.094	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	82514	21.817	ug/l	96
54) cis-1,3-Dichloropropene	10.10	75	99507	22.144	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	48523	22.572	ug/l	95
56) Ethyl methacrylate	10.66	69	49535	22.314	ug/l	96
57) 1,3-Dichloropropane	10.95	76	77884	22.515	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	116035	112.087	ug/l	100
59) 2-Hexanone	10.99	43	81145	108.320	ug/l	98
60) Dibromochloromethane	11.14	129	70650	22.217	ug/l	100
61) 1,2-Dibromoethane	11.25	107	48038	22.265	ug/l	97
64) Tetrachloroethene	10.88	164	72036	20.958	ug/l	96
65) Chlorobenzene	11.67	112	191662	21.438	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	78194	22.191	ug/l	98
67) Ethyl Benzene	11.75	91	334043	21.835	ug/l	99
68) m/p-Xylenes	11.86	106	262426	44.092	ug/l	98
69) o-Xylene	12.18	106	115756	21.784	ug/l	99
70) Styrene	12.20	104	203667	21.995	ug/l	99
71) Bromoform	12.36	173	39498	21.979	ug/l #	97
73) Isopropylbenzene	12.48	105	328111	21.754	ug/l	100
74) N-amyl acetate	12.29	43	42704	21.517	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	47386	23.040	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	27841m	19.775	ug/l	
77) Bromobenzene	12.77	156	82305	22.220	ug/l	99
78) n-propylbenzene	12.83	91	376015	21.795	ug/l	99
79) 2-Chlorotoluene	12.91	91	217434	22.187	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	285376	22.149	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	14315	20.644	ug/l	96
82) 4-Chlorotoluene	13.01	91	234844	22.344	ug/l	97
83) tert-Butylbenzene	13.23	119	241424	22.109	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	287417	22.410	ug/l	99
85) sec-Butylbenzene	13.41	105	326423	22.144	ug/l	98
86) p-Isopropyltoluene	13.52	119	305884	21.488	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	157134	22.232	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	153971	21.514	ug/l	98
89) n-Butylbenzene	13.85	91	260828	21.213	ug/l	99
90) Hexachloroethane	14.11	117	57948	21.617	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	132842	21.717	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7882	21.645	ug/l	90

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111220\
Data File : VD067617.D
Acq On : 12 Nov 2020 12:30
Operator : VA/SY
Sample : VD1112SBS01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

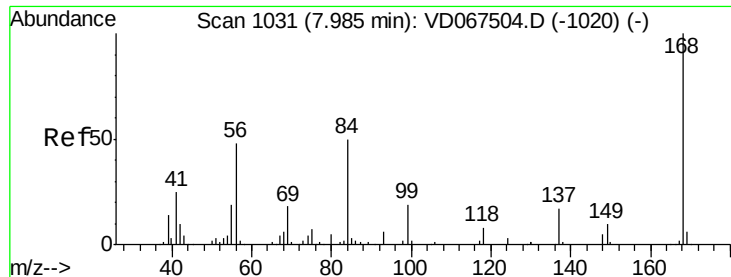
Manual Integrations
APPROVED

MMDadoda
11/16/2020 2:34:42 PM

Quant Time: Nov 13 00:44:29 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 04 00:56:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	90188	21.723	ug/l	98
94) Hexachlorobutadiene	15.27	225	58200	20.945	ug/l	95
95) Naphthalene	15.40	128	136429	21.293	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	75592	21.262	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

Tot Ion:168 Resp: 345870

Ion Ratio Lower Upper

168 100

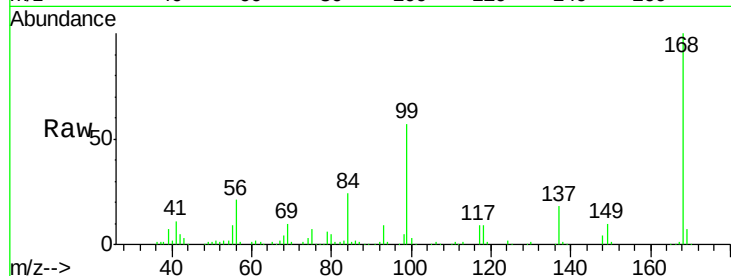
99 56.7 45.0 67.6

Manual Integrations

APPROVED

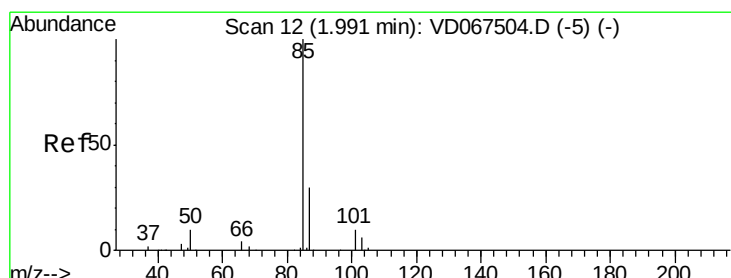
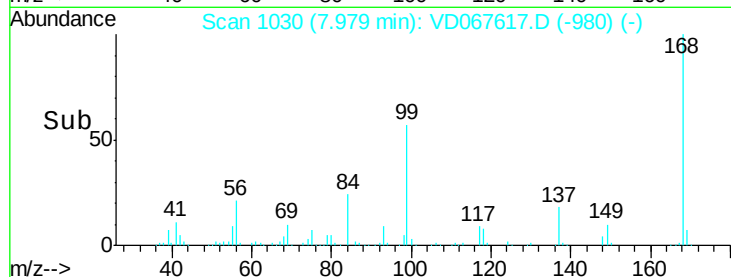
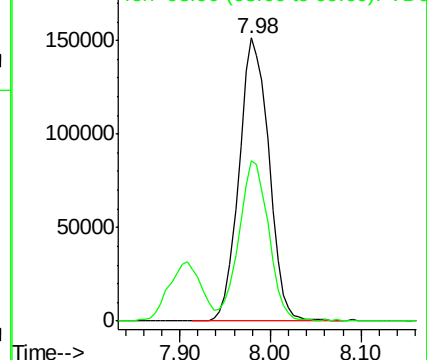
MMDadoda

11/16/2020 2:34:42 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.000 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067617.D

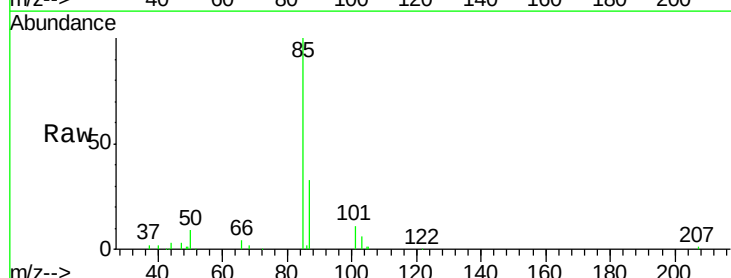
Acq: 12 Nov 2020 12:30

Tgt Ion: 85 Resp: 63635

Ion Ratio Lower Upper

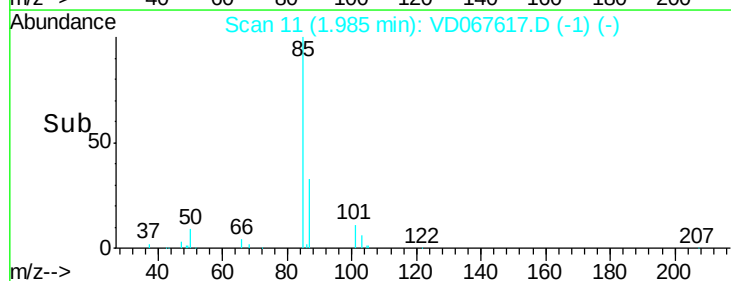
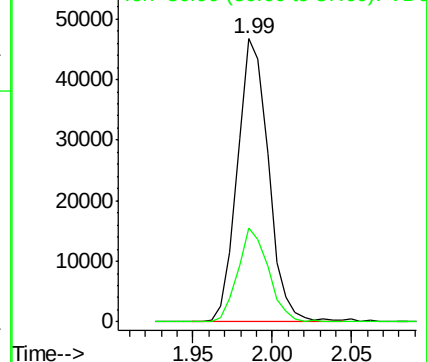
85 100

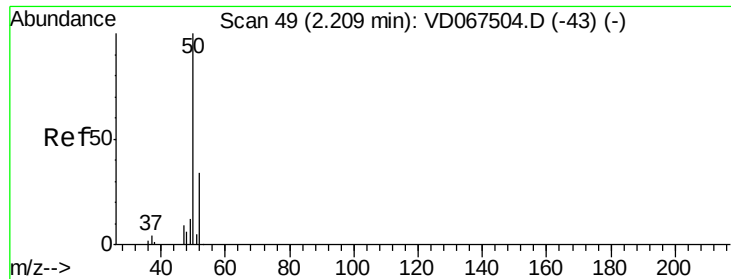
87 33.0 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.394 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

Tot Ion: 50 Resp: 43925

Ion Ratio Lower Upper

50 100

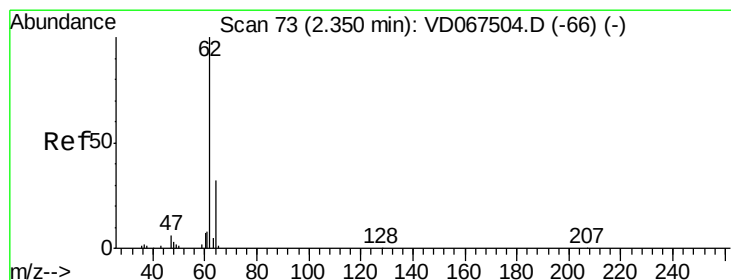
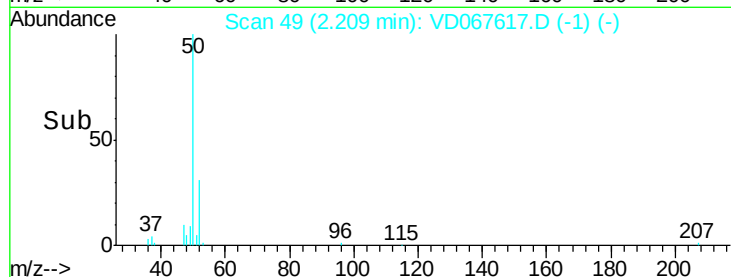
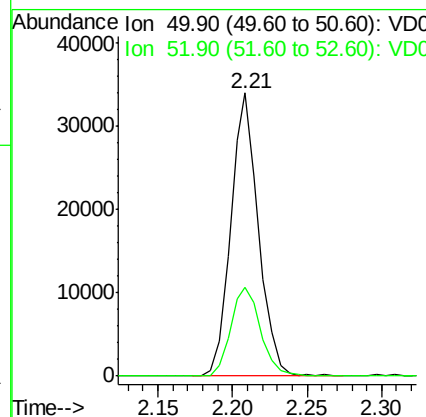
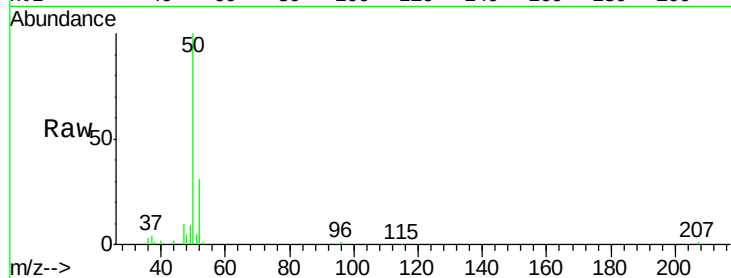
52 31.5 27.3 40.9

Manual Integrations

APPROVED

MMDadoda

11/16/2020 2:34:42 PM



#4

Vinyl Chloride

Concen: 19.704 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD067617.D

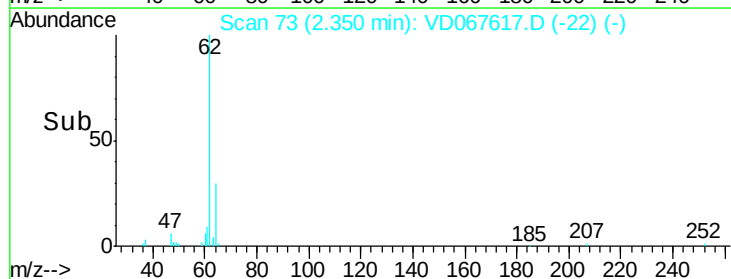
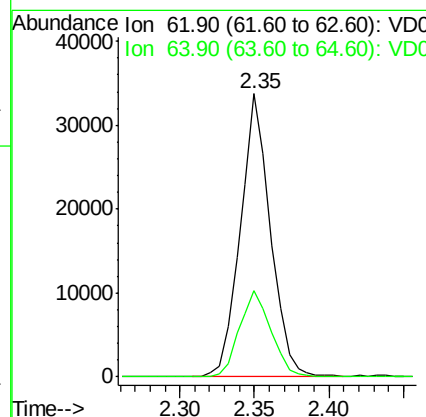
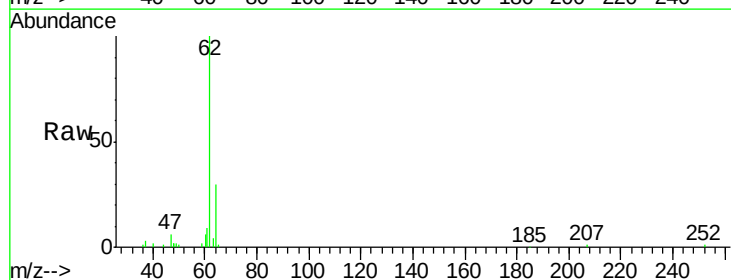
Acq: 12 Nov 2020 12:30

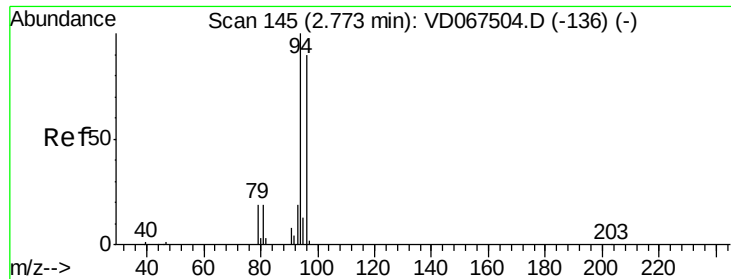
Tgt Ion: 62 Resp: 47314

Ion Ratio Lower Upper

62 100

64 30.3 25.6 38.4





#5

Bromomethane

Concen: 19.191 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

Tot Ion: 94 Resp: 37352

Ion Ratio Lower Upper

94 100

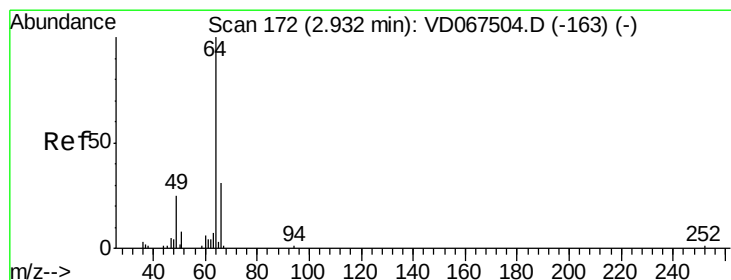
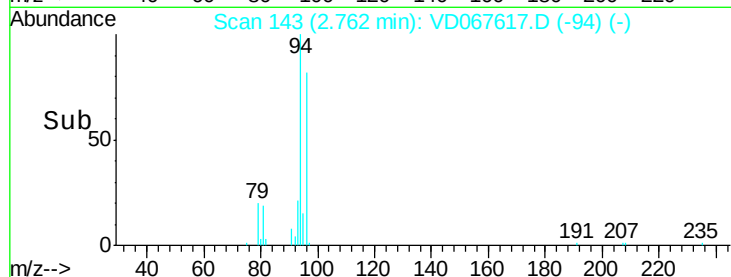
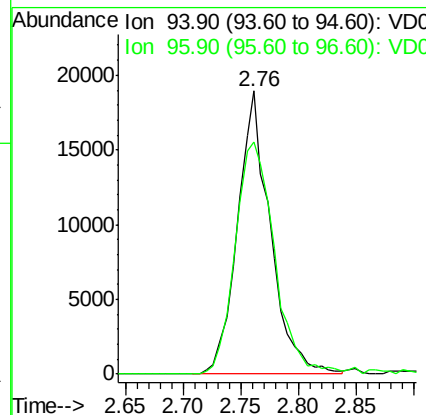
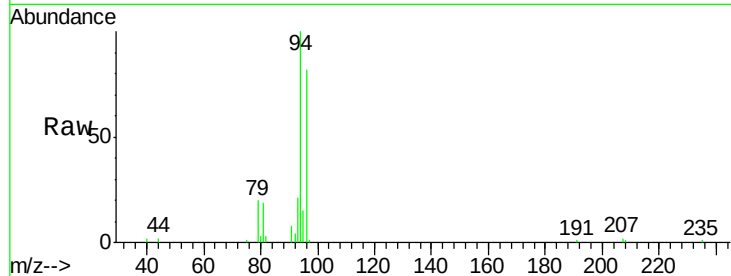
96 82.2 72.2 108.2

Manual Integrations

APPROVED

MMDadoda

11/16/2020 2:34:42 PM



#6

Chloroethane

Concen: 20.963 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD067617.D

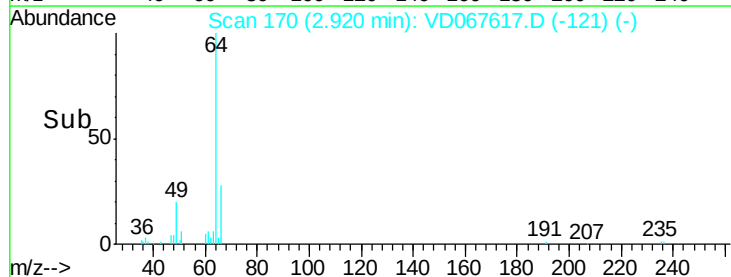
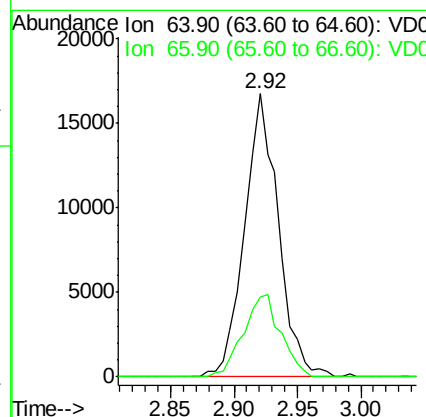
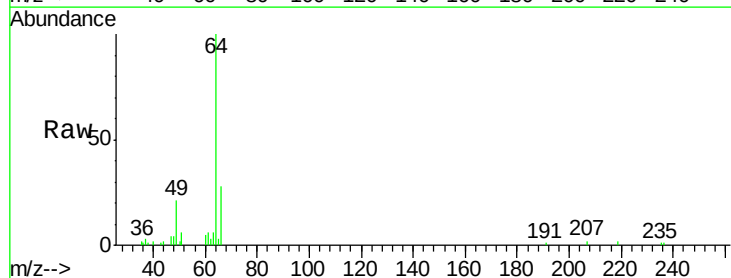
Acq: 12 Nov 2020 12:30

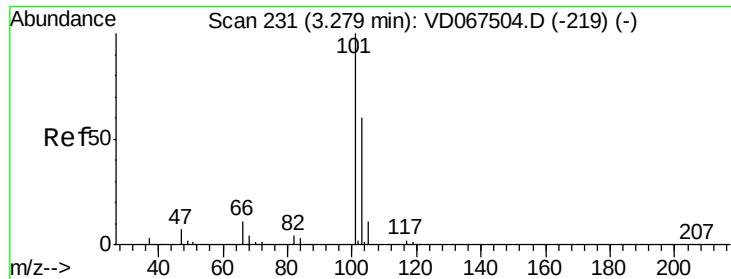
Tgt Ion: 64 Resp: 31034

Ion Ratio Lower Upper

64 100

66 28.4 24.6 36.8





#7

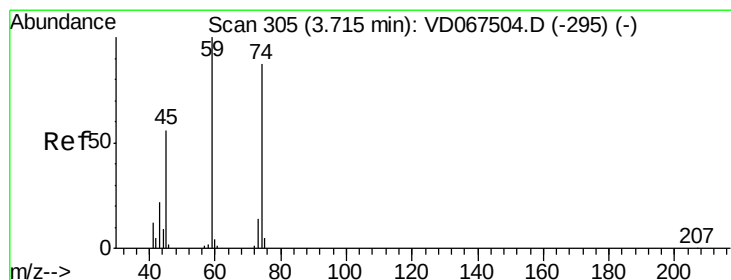
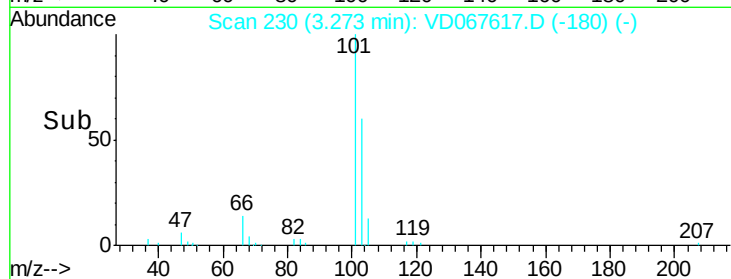
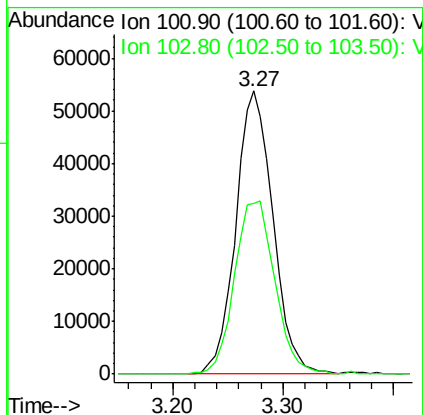
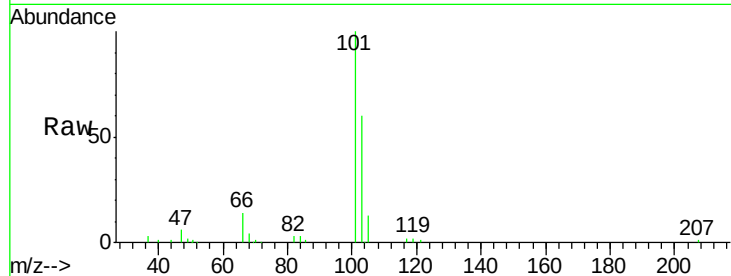
Trichlorofluoromethane
 Concen: 20.470 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.01 min
 Lab File: VD067617.D
 Acq: 12 Nov 2020 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.4	48.1	72.1

Manual Integrations
 APPROVED

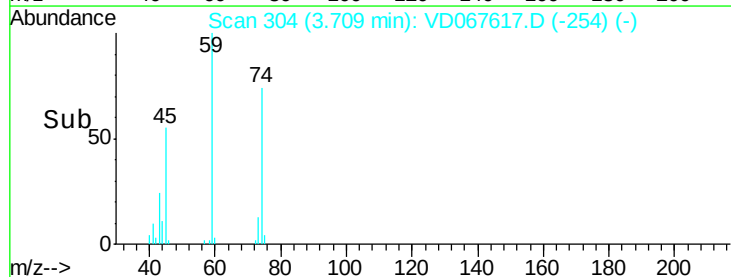
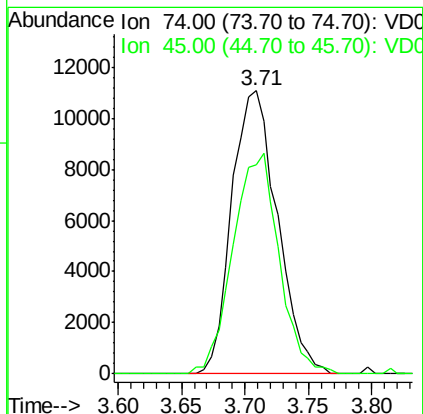
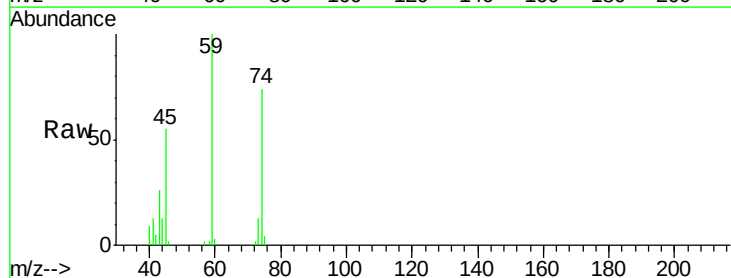
MMDadoda
 11/16/2020 2:34:42 PM

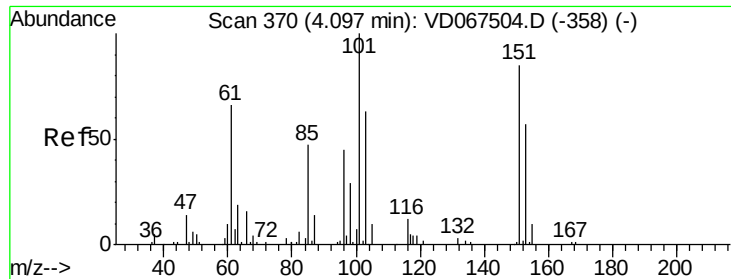


#8

Diethyl Ether
 Concen: 22.073 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.01 min
 Lab File: VD067617.D
 Acq: 12 Nov 2020 12:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	78.8	38.2	114.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.536 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Instrument :

MSVOA_D

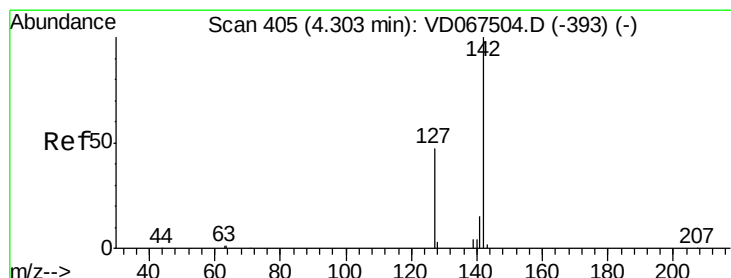
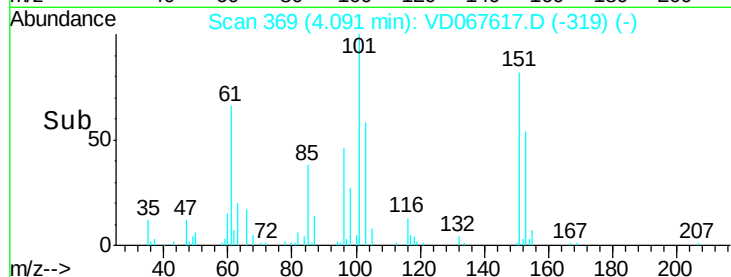
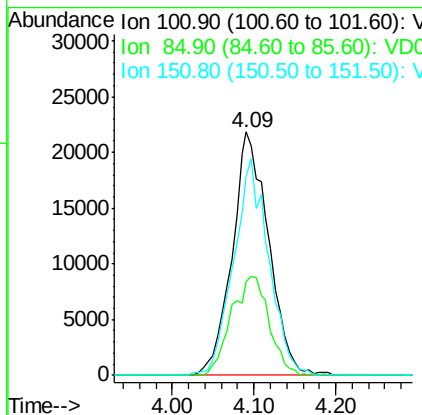
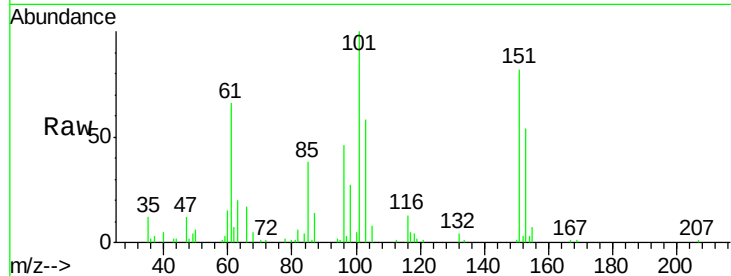
ClientSampleId :

VD1112SBS01

Tot Ion:	101	Resp:	67588
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.4	51.6
151	85.7	68.1	102.1

Manual Integrations
APPROVED

MMDadoda
11/16/2020 2:34:42 PM



#10

Methyl Iodide

Concen: 19.330 ug/l

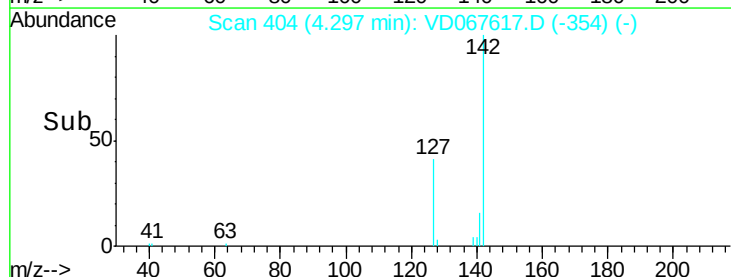
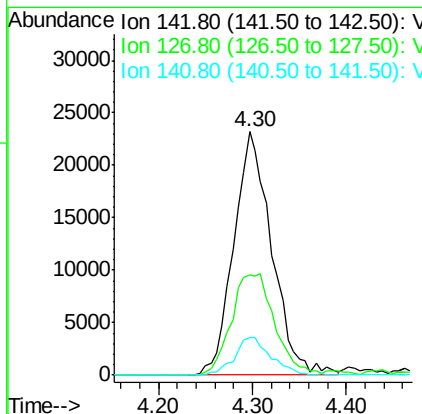
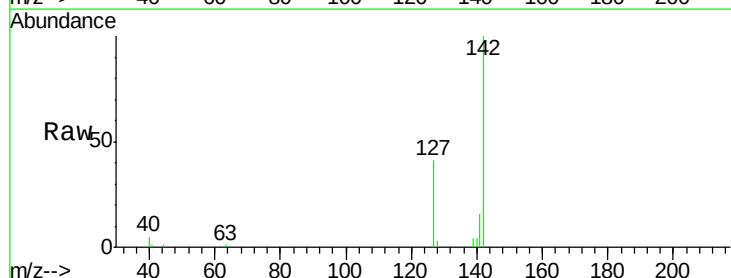
RT: 4.30 min Scan# 404

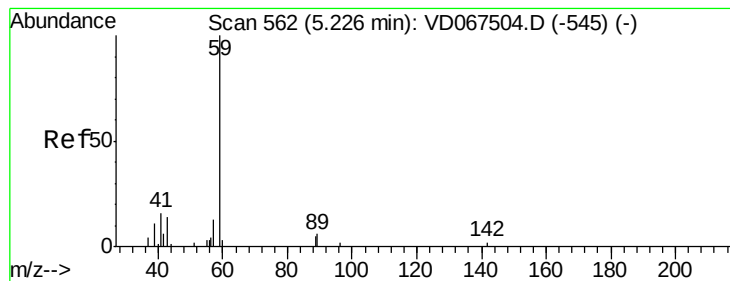
Delta R.T. -0.01 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Tgt Ion:	142	Resp:	65021
Ion Ratio	Lower	Upper	
142	100		
127	47.2	40.0	60.0
141	14.8	11.7	17.5





#11

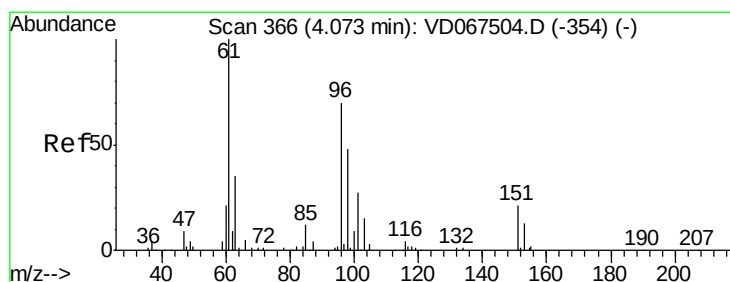
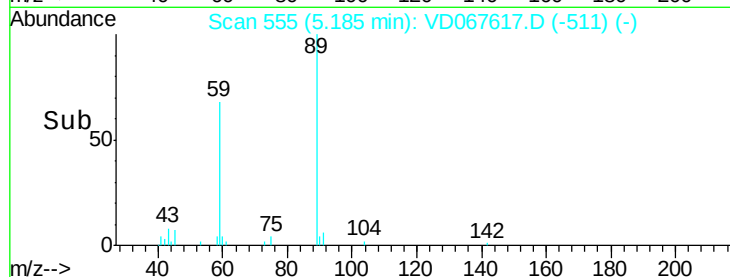
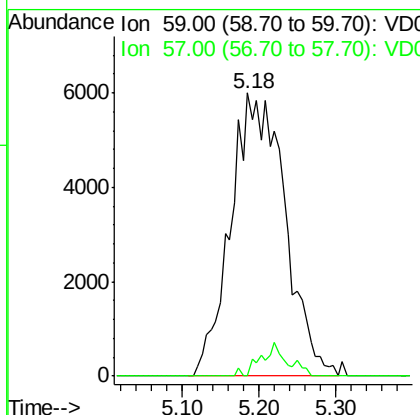
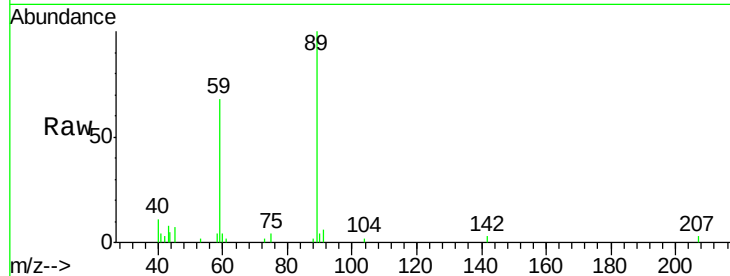
Tert butyl alcohol
Concen: 223.591 ug/l
RT: 5.18 min Scan# 555
Delta R.T. -0.04 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion: 59 Resp: 29418
Ion Ratio Lower Upper
59 100
57 0.0 5.9 8.9#

Manual Integrations
APPROVED

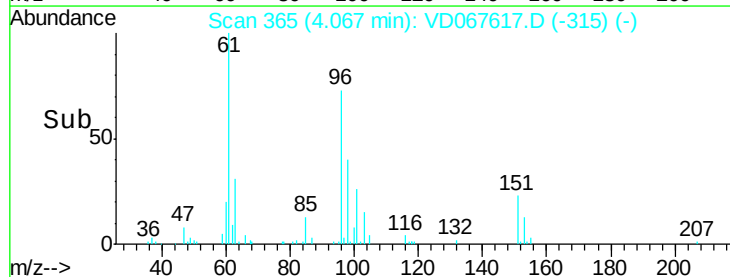
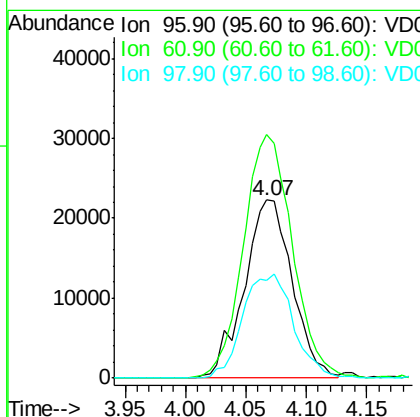
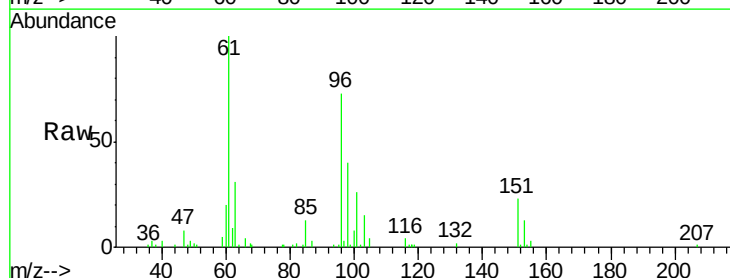
MMDadoda
11/16/2020 2:34:42 PM

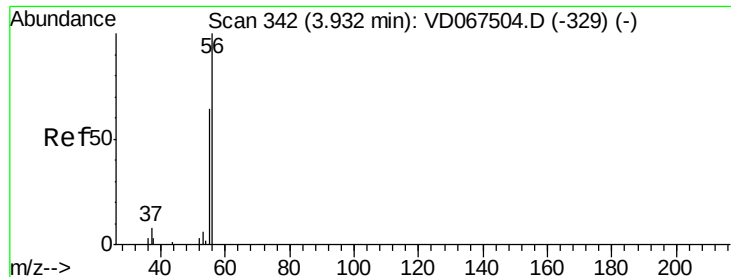


#12

1,1-Dichloroethene
Concen: 21.384 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.01 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Tgt Ion: 96 Resp: 61732
Ion Ratio Lower Upper
96 100
61 137.0 114.5 171.7
98 55.3 54.5 81.7





#13

Acrolein

Concen: 66.357 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.01 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

Tot Ion: 56 Resp: 5754

Ion Ratio Lower Upper

56 100

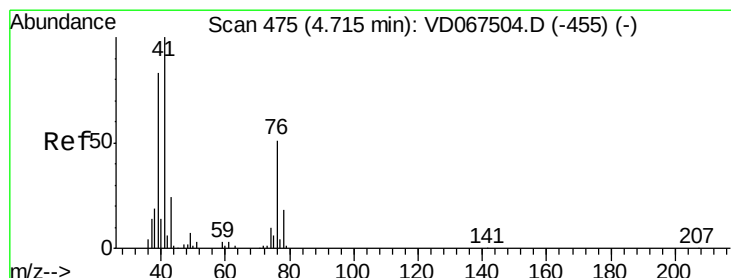
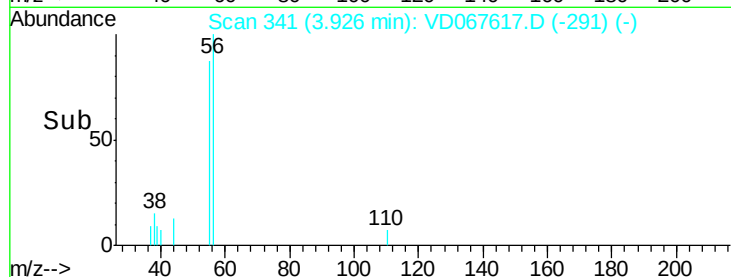
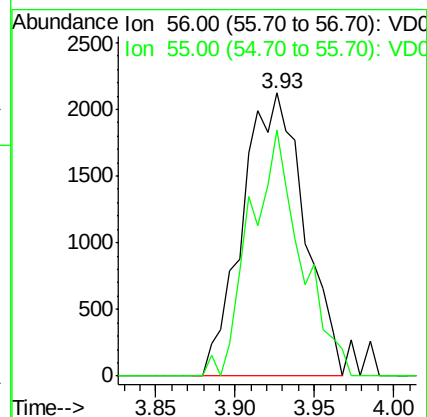
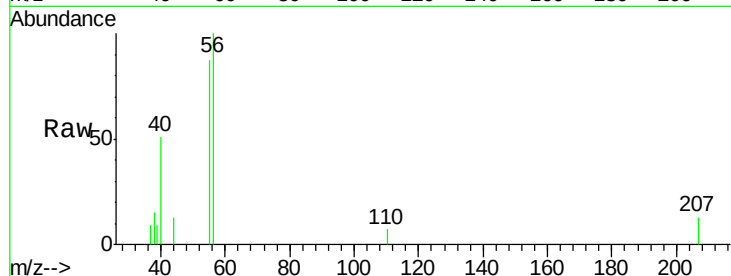
55 72.1 55.8 83.8

Manual Integrations

APPROVED

MMDadoda

11/16/2020 2:34:42 PM



#14

Allyl chloride

Concen: 21.445 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

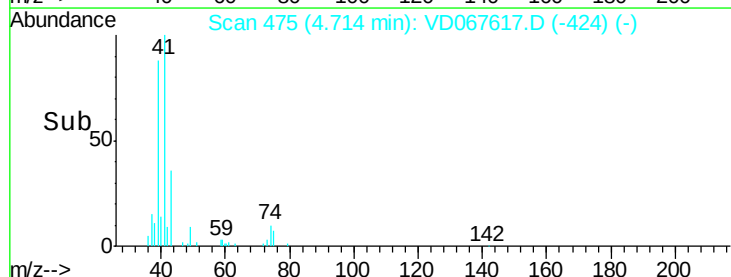
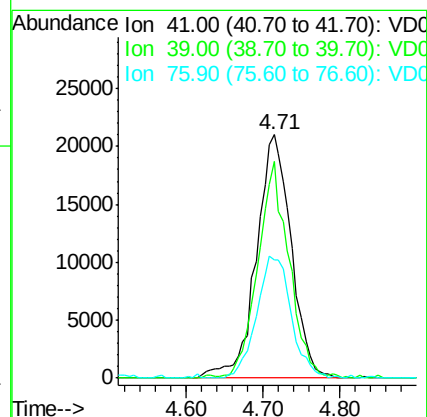
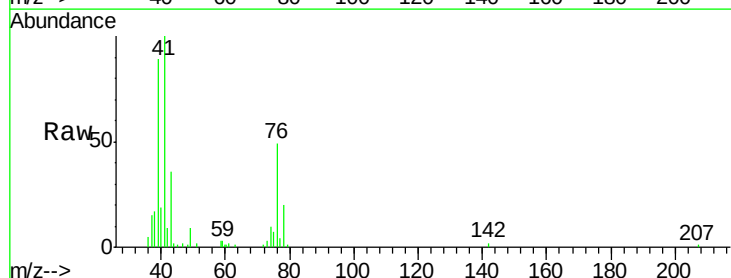
Tgt Ion: 41 Resp: 66256

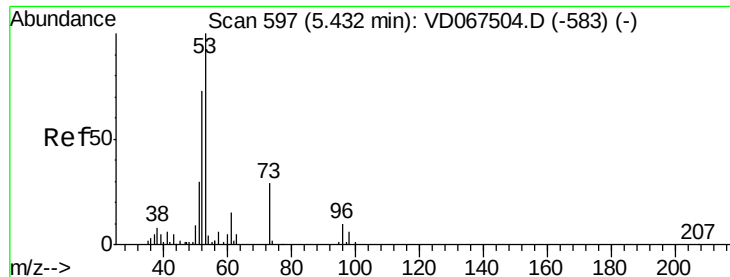
Ion Ratio Lower Upper

41 100

39 80.4 67.4 101.0

76 49.8 42.2 63.2





#15

Acrylonitrile

Concen: 110.105 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Instrument :

MSVOA_D

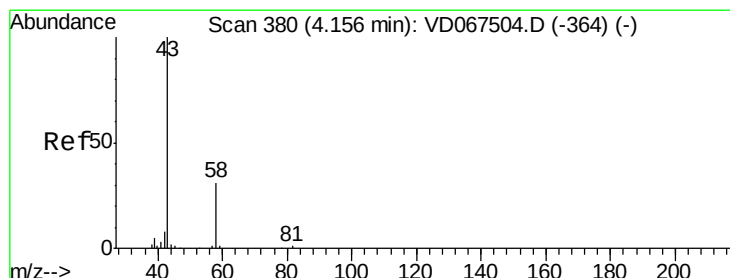
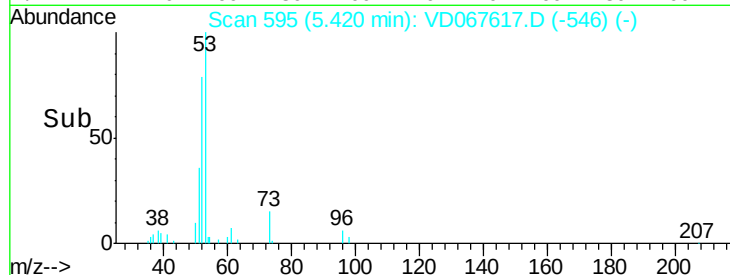
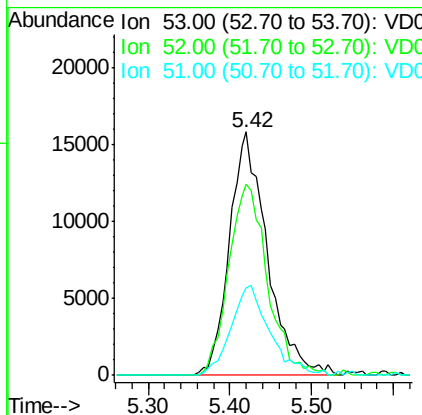
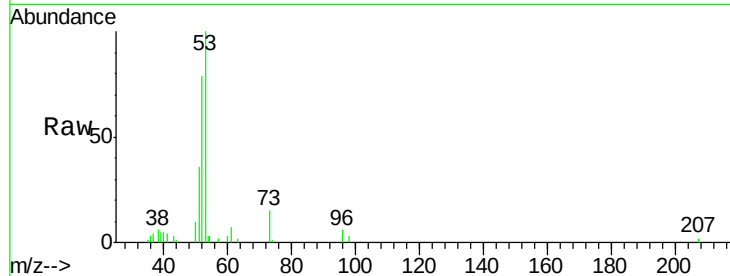
ClientSampleId :

VD1112SBS01

Tot Ion:	53	Resp:	50991
Ion Ratio	Lower	Upper	
53	100		
52	80.6	64.8	97.2
51	37.8	29.5	44.3

Manual Integrations
APPROVED

MMDadoda
11/16/2020 2:34:42 PM



#16

Acetone

Concen: 96.418 ug/l

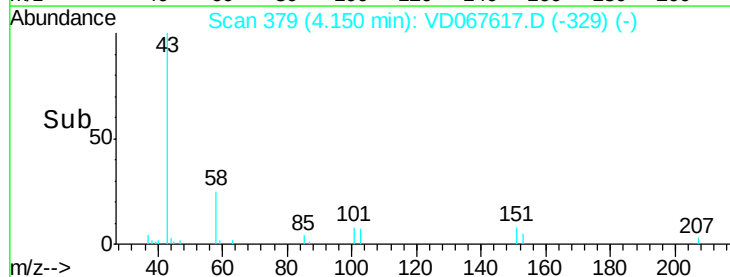
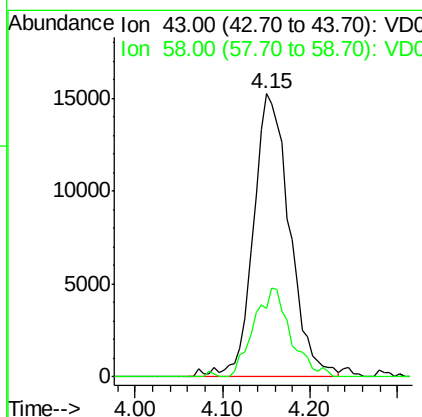
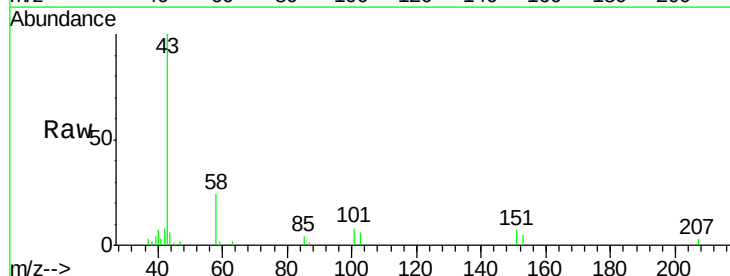
RT: 4.15 min Scan# 379

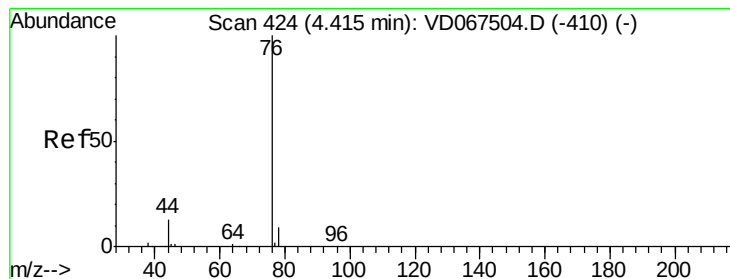
Delta R.T. -0.01 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Tgt Ion:	43	Resp:	43635
Ion Ratio	Lower	Upper	
43	100		
58	24.3	25.2	37.8#





#17

Carbon Disulfide

Concen: 19.870 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.01 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

Tot Ion: 76 Resp: 175770

Ion Ratio Lower Upper

76 100

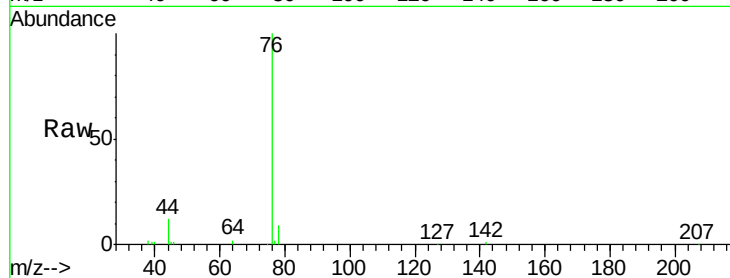
78 9.3 7.2 10.8

Manual Integrations

APPROVED

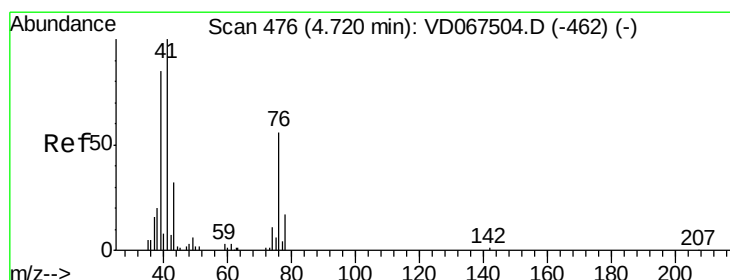
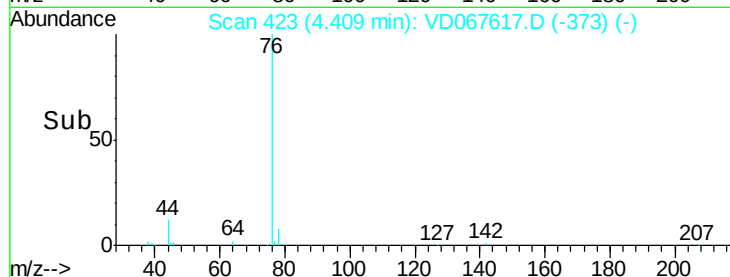
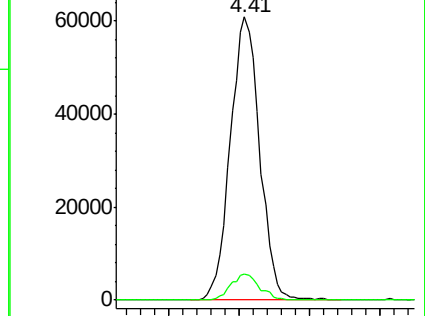
MMDadoda

11/16/2020 2:34:42 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 24.837 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067617.D

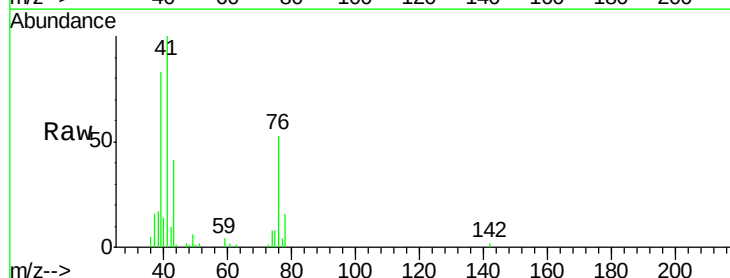
Acq: 12 Nov 2020 12:30

Tgt Ion: 43 Resp: 23228

Ion Ratio Lower Upper

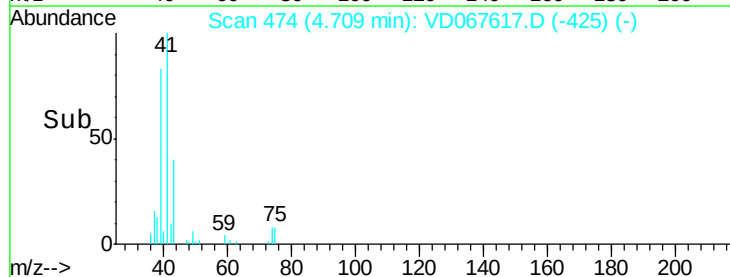
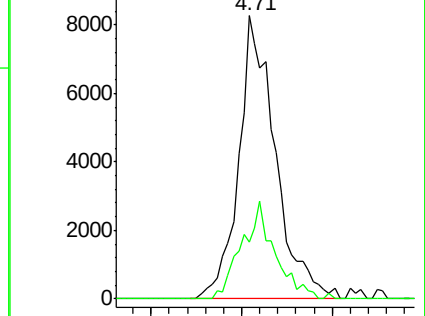
43 100

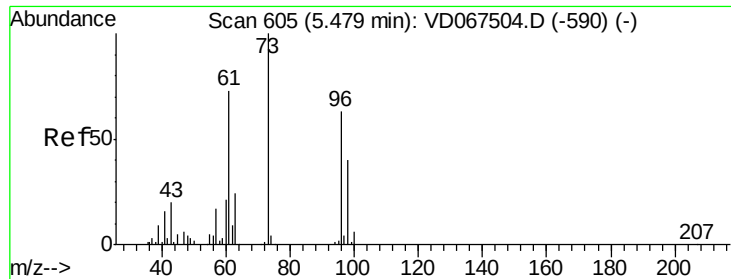
74 30.8 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





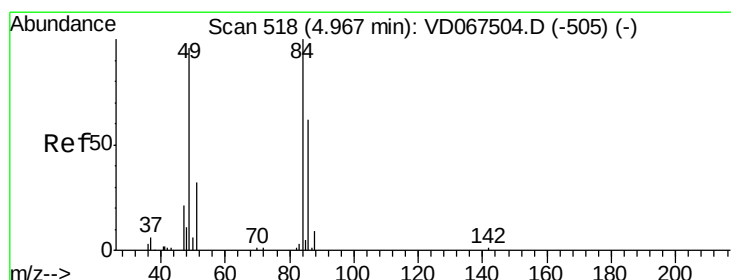
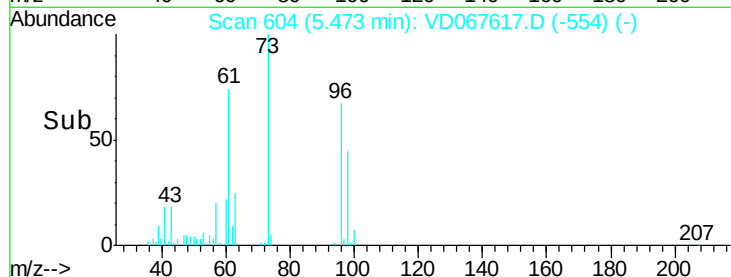
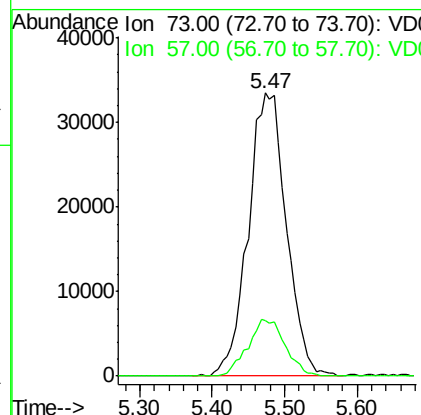
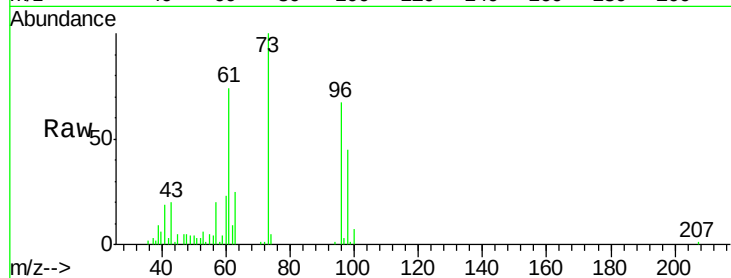
#19
Methyl tert-butyl Ether
Concen: 21.443 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion: 73 Resp: 122101
Ion Ratio Lower Upper
73 100
57 19.7 13.4 20.0

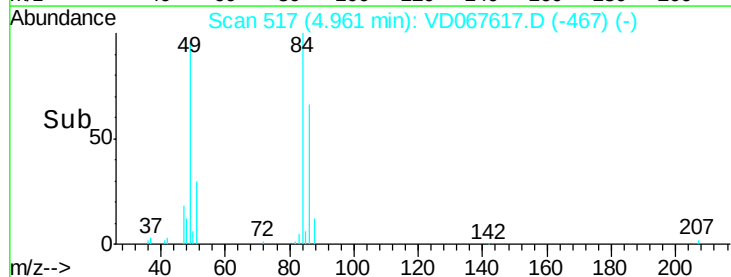
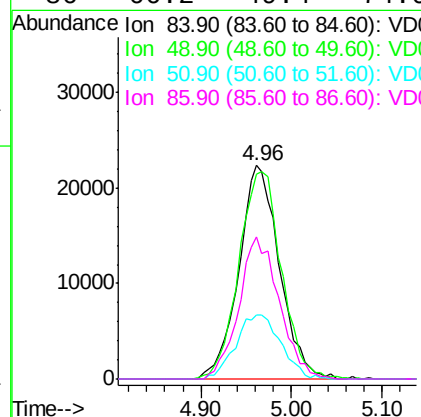
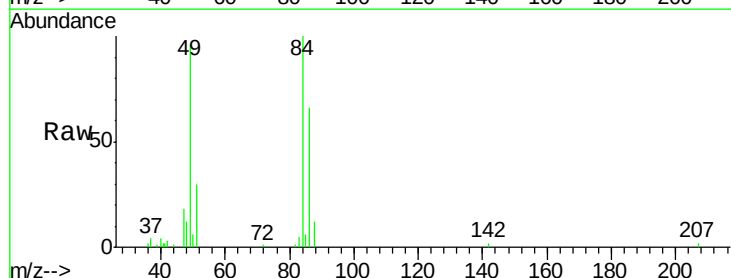
Manual Integrations
APPROVED

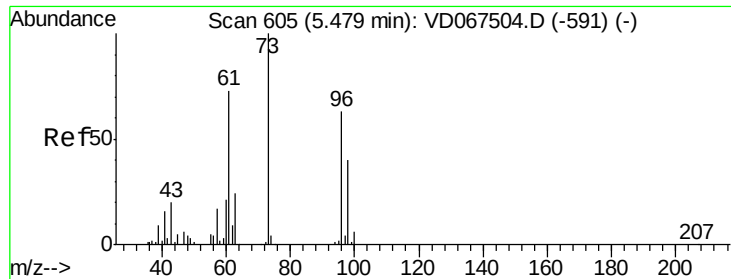
MMDadoda
11/16/2020 2:34:42 PM



#20
Methylene Chloride
Concen: 21.710 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Tgt Ion: 84 Resp: 69405
Ion Ratio Lower Upper
84 100
49 96.1 77.0 115.4
51 29.7 25.4 38.2
86 66.2 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 20.781 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

Tot Ion: 96 Resp: 69873

Ion Ratio Lower Upper

96 100

61 114.4 93.0 139.6

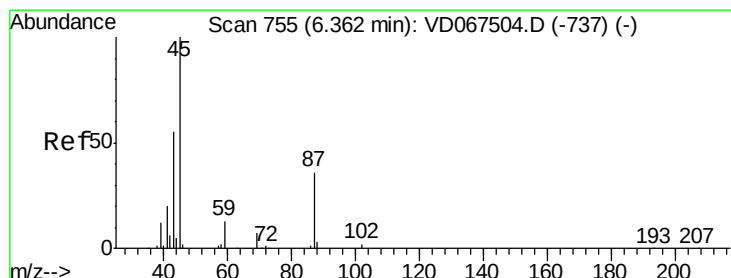
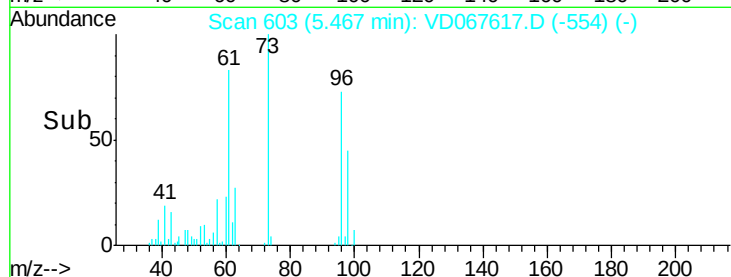
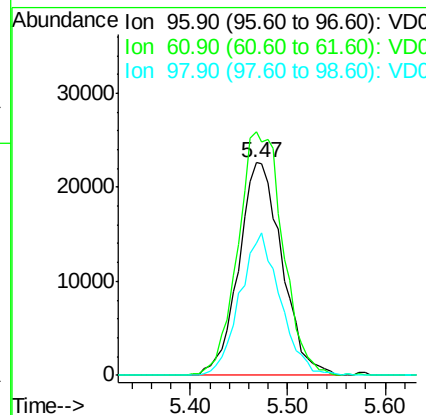
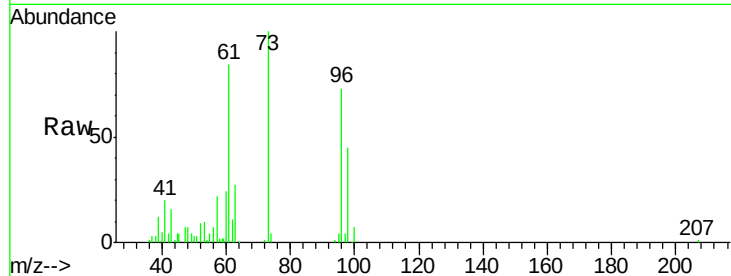
98 61.9 50.9 76.3

Manual Integrations

APPROVED

MMDadoda

11/16/2020 2:34:42 PM



#22

Diisopropyl ether

Concen: 22.749 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.00 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Tgt Ion: 45 Resp: 136969

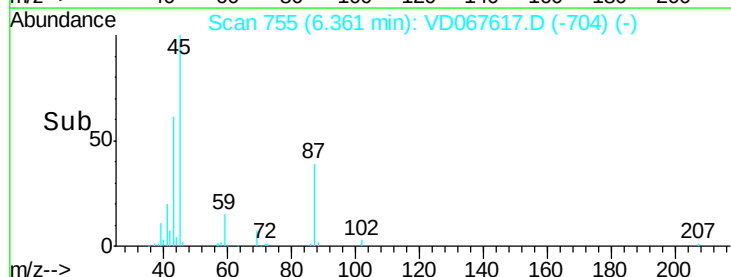
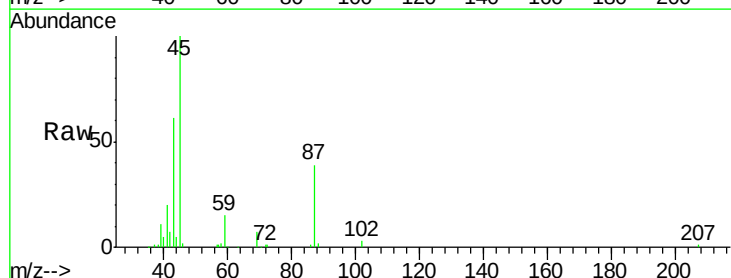
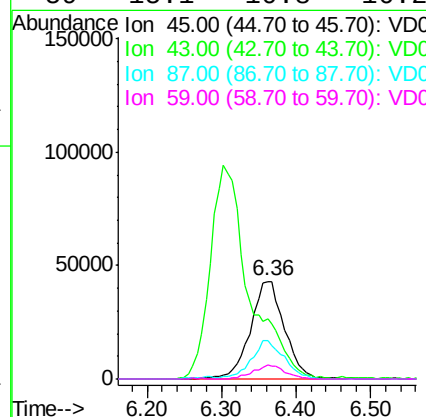
Ion Ratio Lower Upper

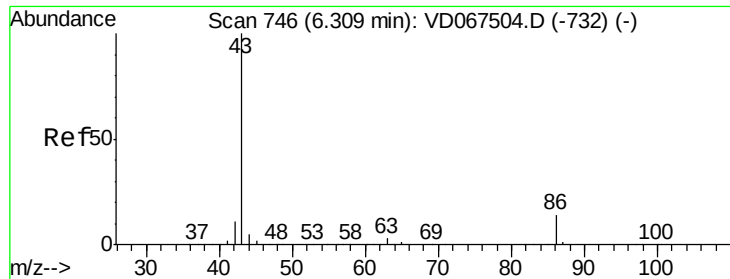
45 100

43 58.4 46.2 69.4

87 38.9 29.4 44.2

59 15.1 10.8 16.2





#23

Vinyl Acetate

Concen: 108.871 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

Tot Ion: 43 Resp: 343116

Ion Ratio Lower Upper

43 100

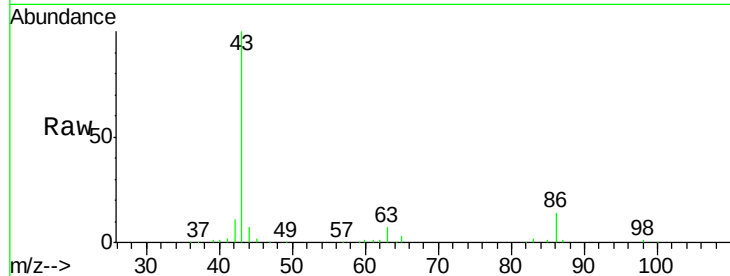
86 14.2 11.6 17.4

Manual Integrations

APPROVED

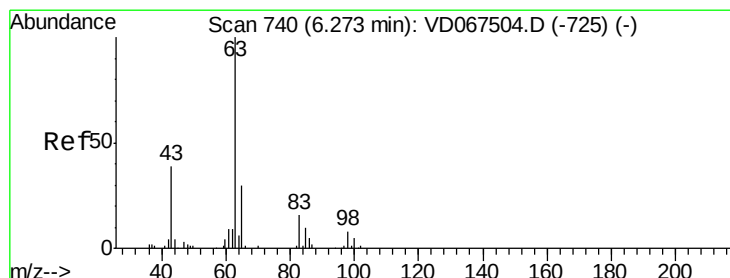
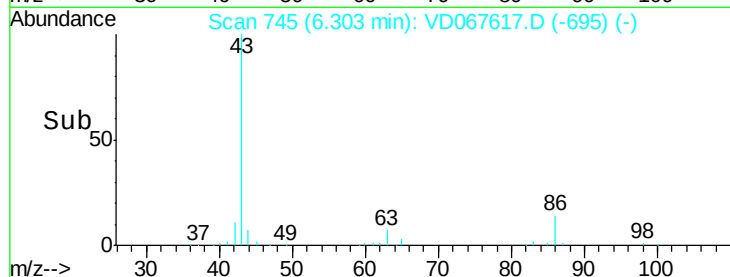
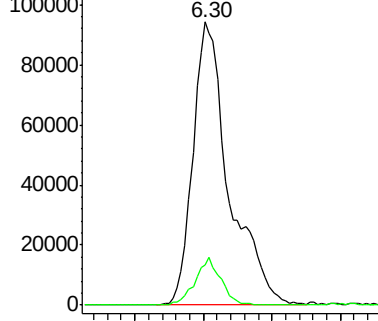
MMDadoda

11/16/2020 2:34:42 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.710 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

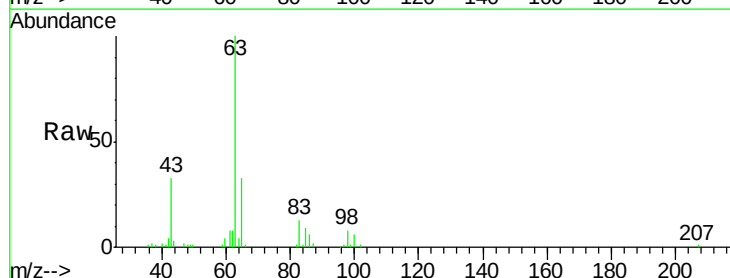
Tgt Ion: 63 Resp: 106932

Ion Ratio Lower Upper

63 100

98 8.2 3.9 11.5

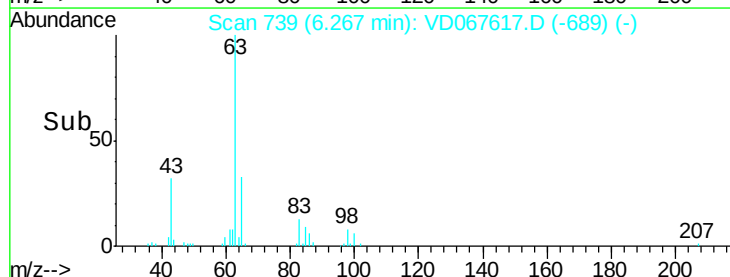
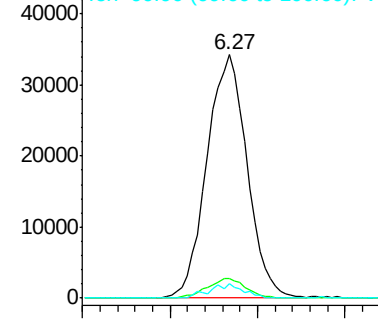
100 5.7 2.6 7.8

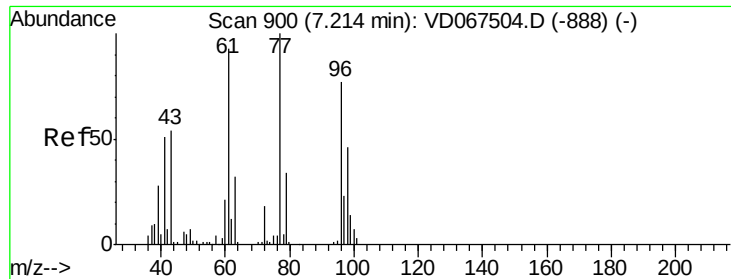


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 116.373 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

Tot Ion: 43 Resp: 56275

Ion Ratio Lower Upper

43 100

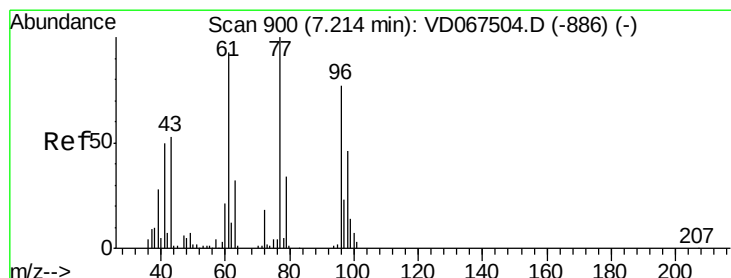
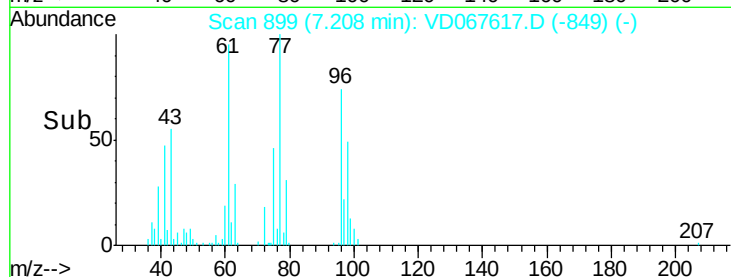
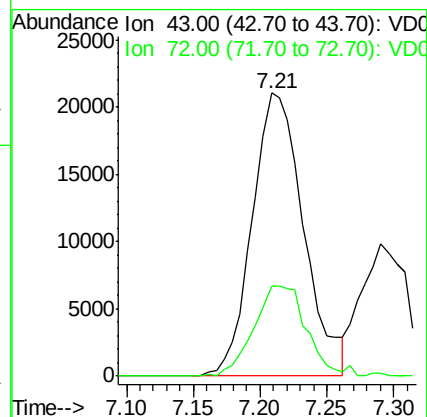
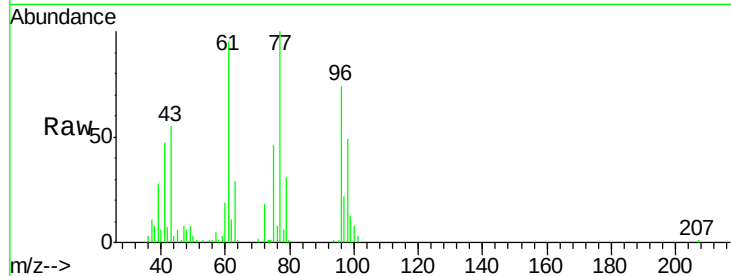
72 32.0 26.4 39.6

Manual Integrations

APPROVED

MMDadoda

11/16/2020 2:34:42 PM



#26

2,2-Dichloropropane

Concen: 21.390 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067617.D

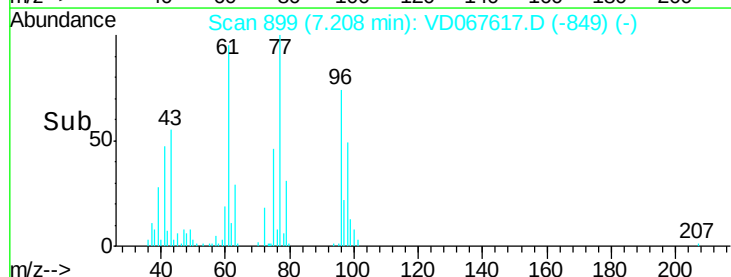
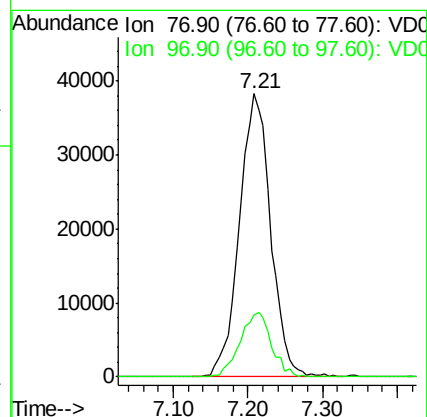
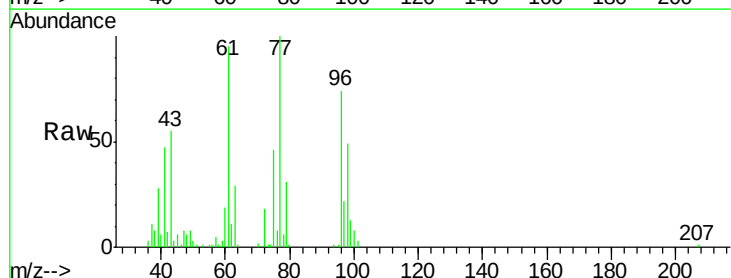
Acq: 12 Nov 2020 12:30

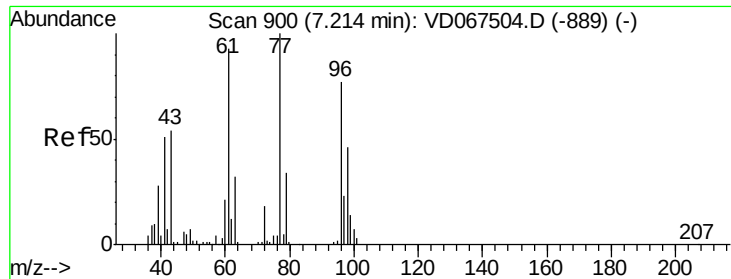
Tgt Ion: 77 Resp: 111193

Ion Ratio Lower Upper

77 100

97 22.7 11.1 33.3





#27

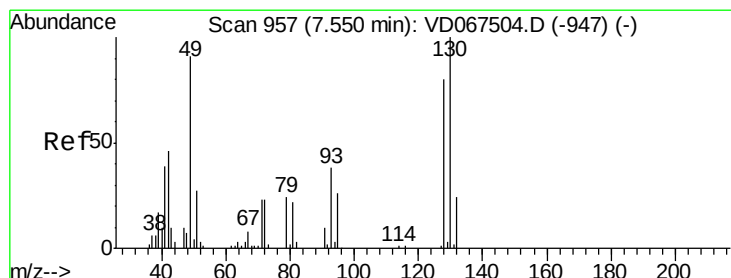
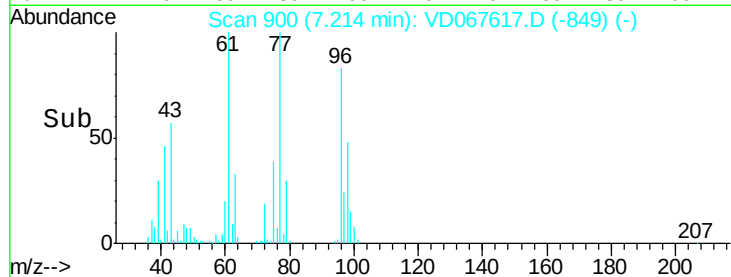
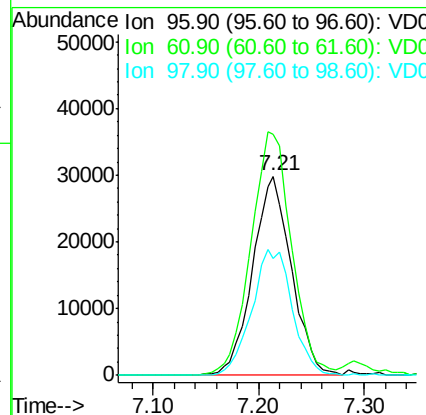
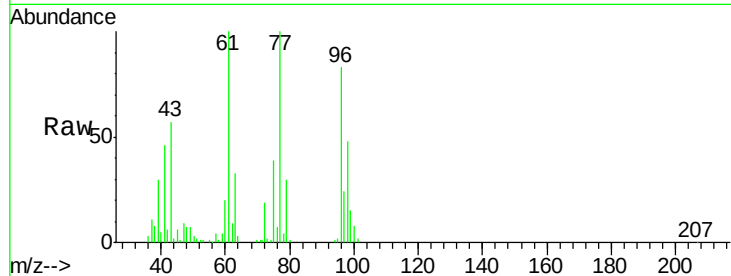
cis-1,2-Dichloroethene
Concen: 21.789 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.4	0.0	251.6
98	65.8	0.0	128.0

Manual Integrations
APPROVED

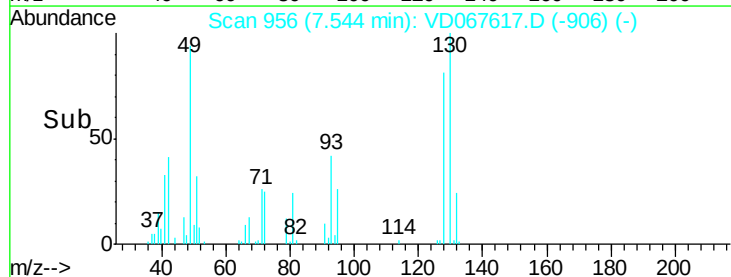
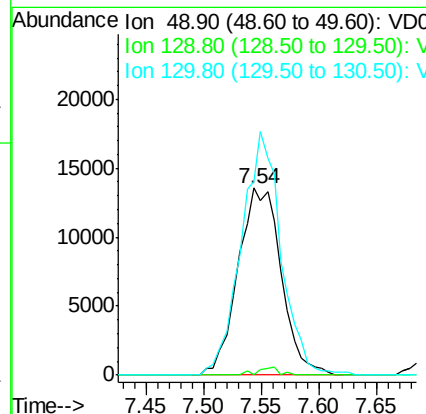
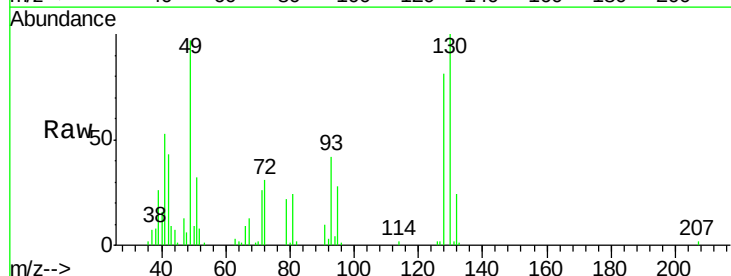
MMDadoda
11/16/2020 2:34:42 PM

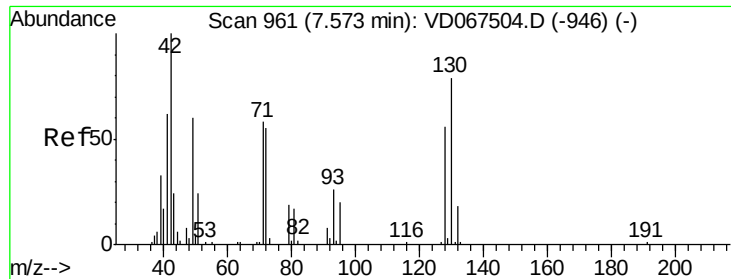


#28

Bromochloromethane
Concen: 20.096 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	6.4
130	120.1	94.6	142.0





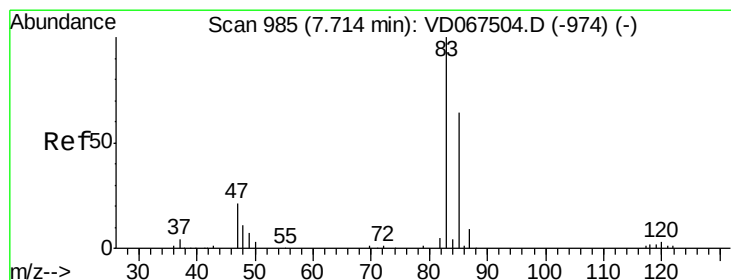
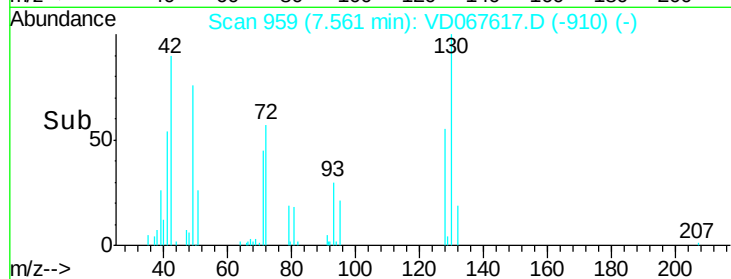
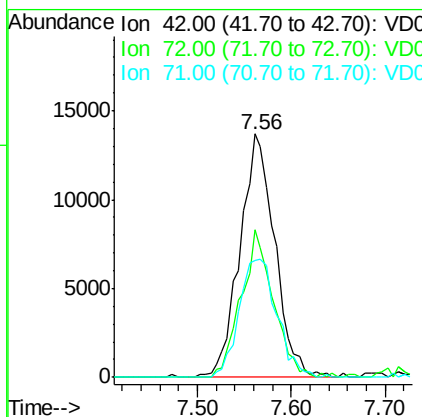
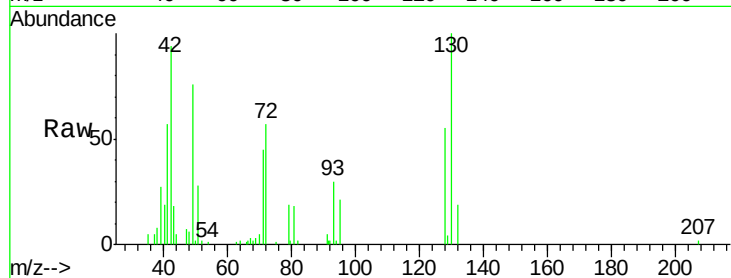
#29
Tetrahydrofuran
Concen: 121.248 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion:	42	Resp:	35121
Ion Ratio	Lower	Upper	
42	100		
72	56.1	46.3	69.5
71	52.7	44.0	66.0

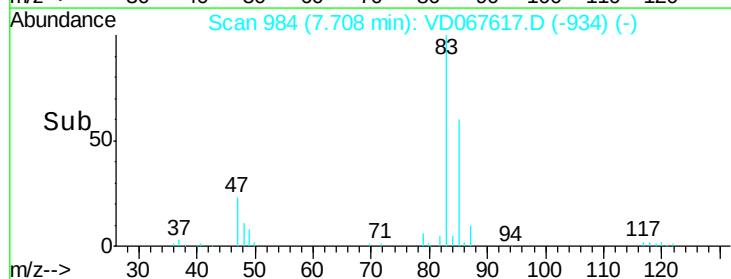
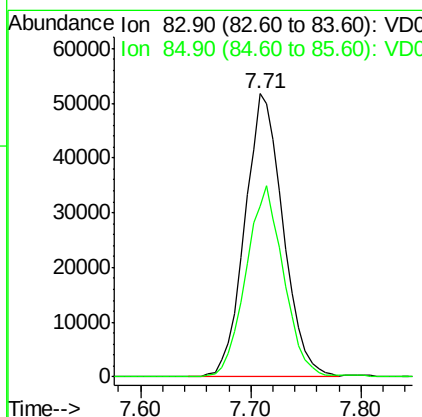
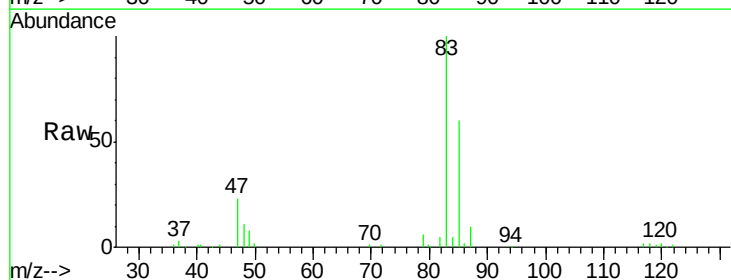
Manual Integrations
APPROVED

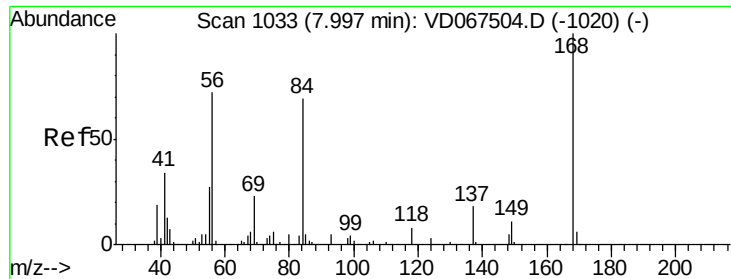
MMDadoda
11/16/2020 2:34:42 PM



#30
Chloroform
Concen: 21.388 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Tgt Ion:	83	Resp:	125679
Ion Ratio	Lower	Upper	
83	100		
85	60.4	51.5	77.3





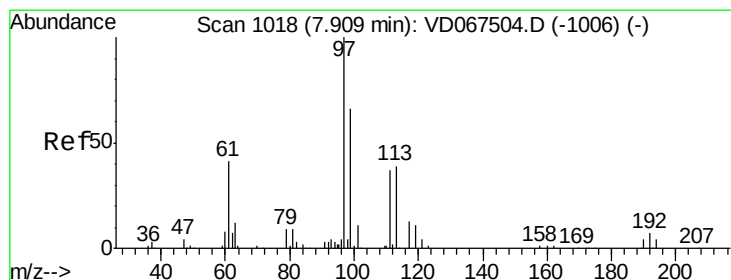
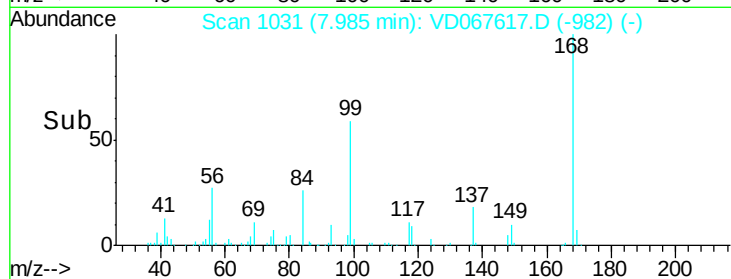
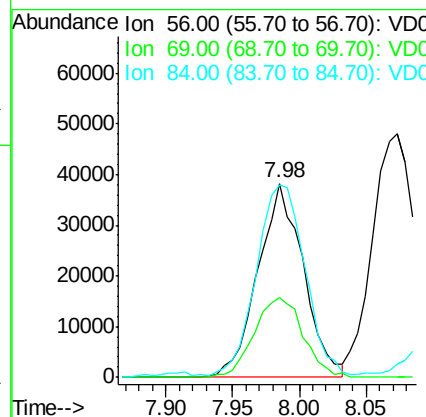
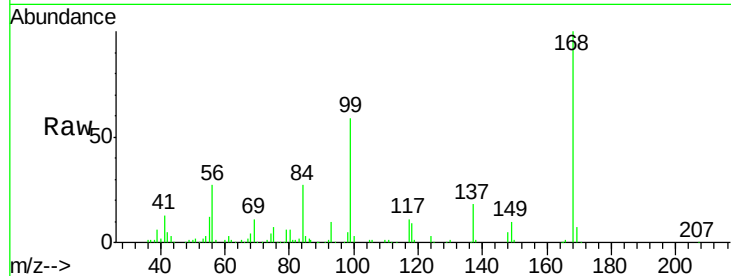
#31
Cyclohexane
Concen: 20.525 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion: 56 Resp: 90027
Ion Ratio Lower Upper
56 100
69 40.9 25.9 38.9#
84 98.3 76.2 114.4

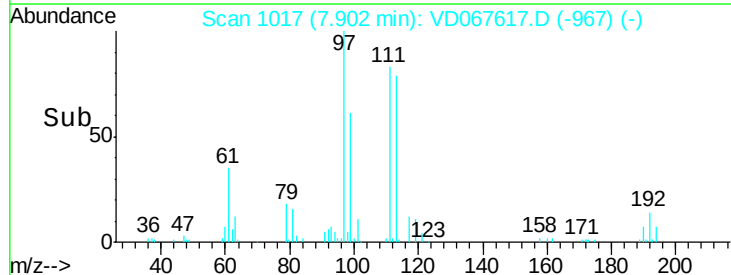
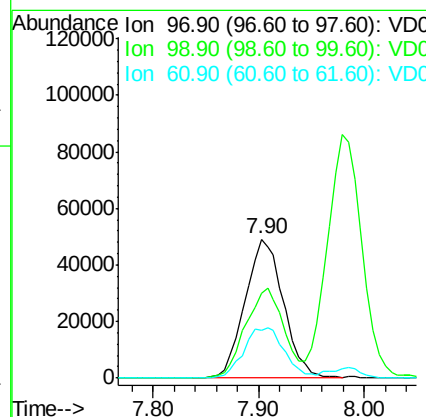
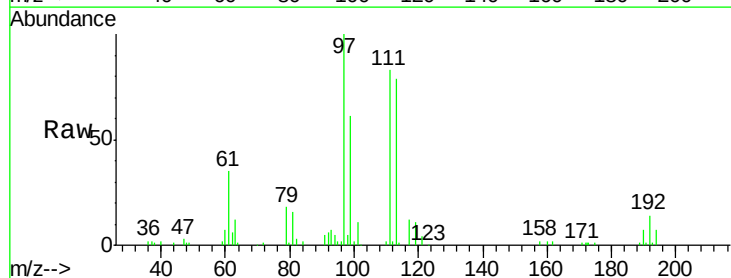
Manual Integrations
APPROVED

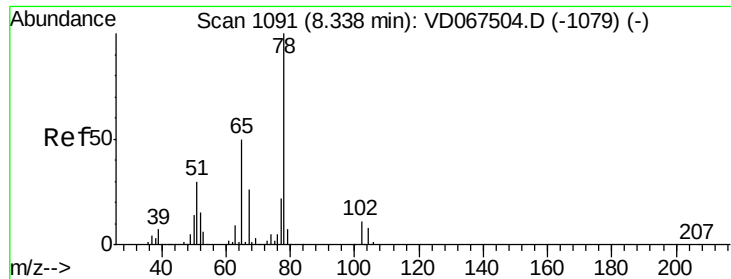
MMDadoda
11/16/2020 2:34:42 PM



#32
1,1,1-Trichloroethane
Concen: 20.451 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Tgt Ion: 97 Resp: 123996
Ion Ratio Lower Upper
97 100
99 64.0 51.8 77.6
61 38.5 30.5 45.7





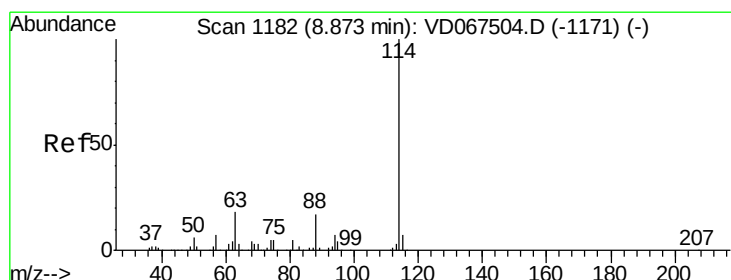
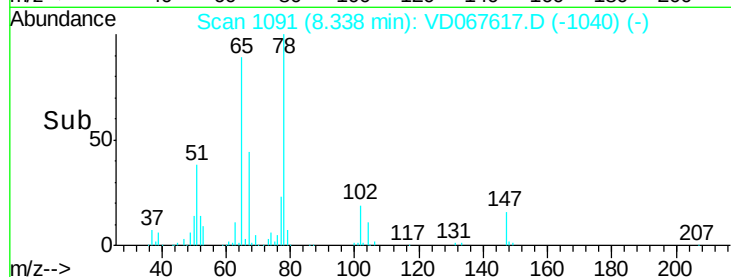
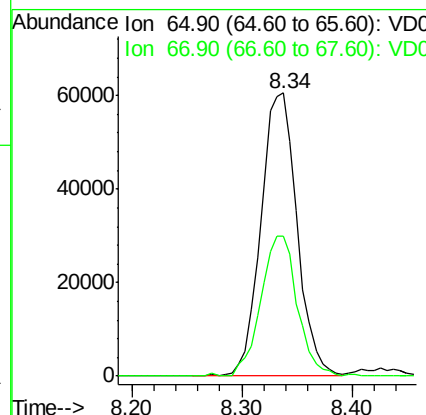
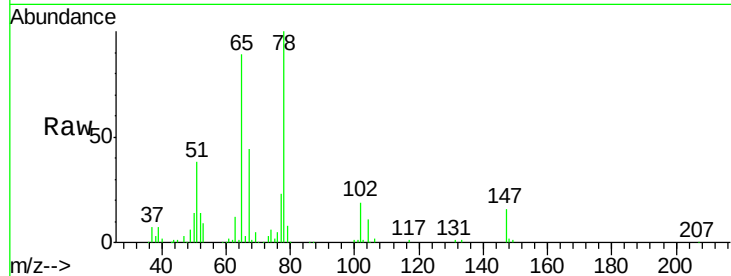
#33
 1,2-Dichloroethane-d4
 Concen: 45.922 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD067617.D
 Acq: 12 Nov 2020 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	138880		
67	49.8	0.0	99.4	

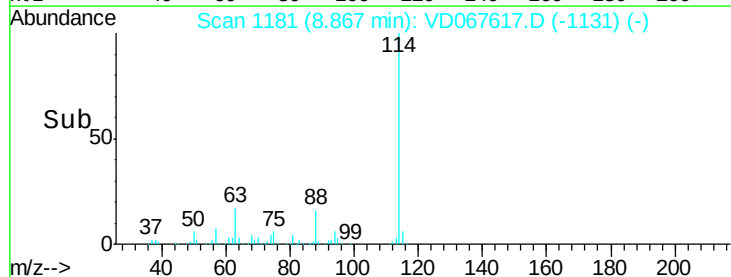
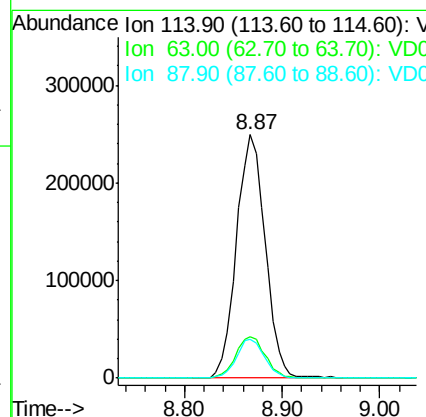
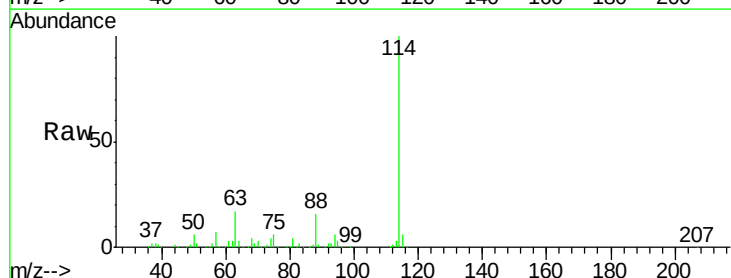
Manual Integrations
 APPROVED

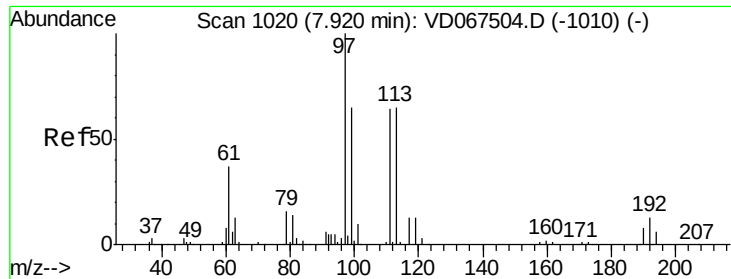
MMDadoda
 11/16/2020 2:34:42 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VD067617.D
 Acq: 12 Nov 2020 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	509722		
63	16.8	0.0	35.0	
88	15.7	0.0	33.0	





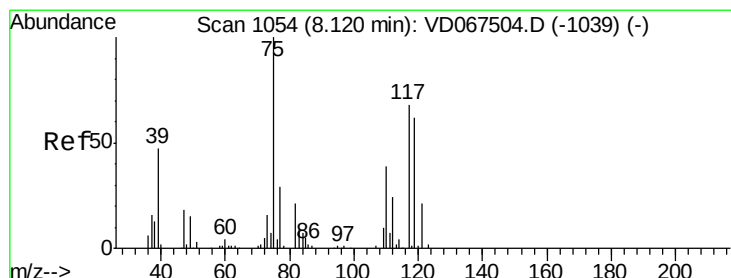
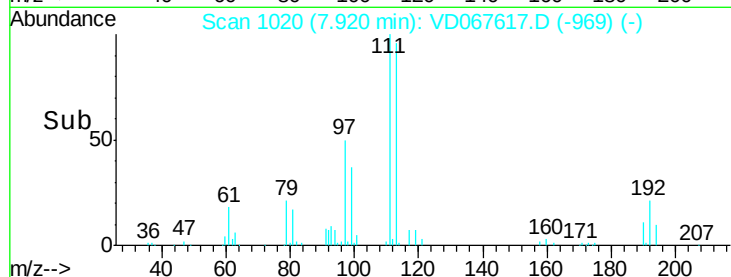
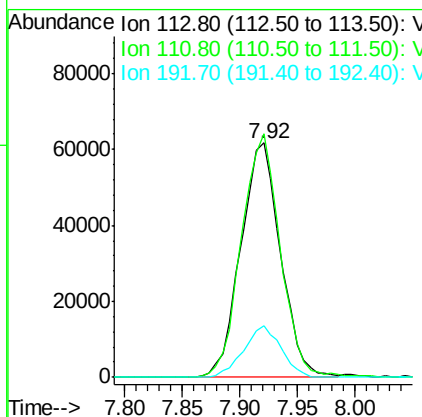
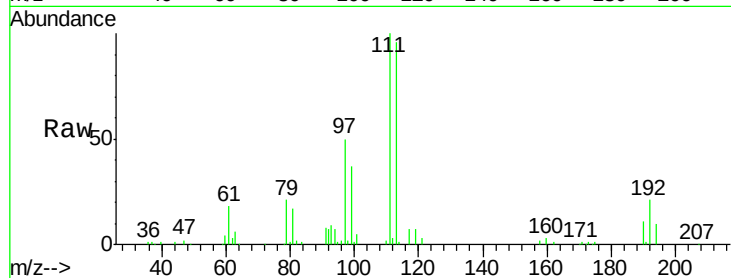
#35
 Dibromofluoromethane
 Concen: 48.069 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067617.D
 Acq: 12 Nov 2020 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	147622		
111	101.8	80.0	120.0	
192	20.9	16.3	24.5	

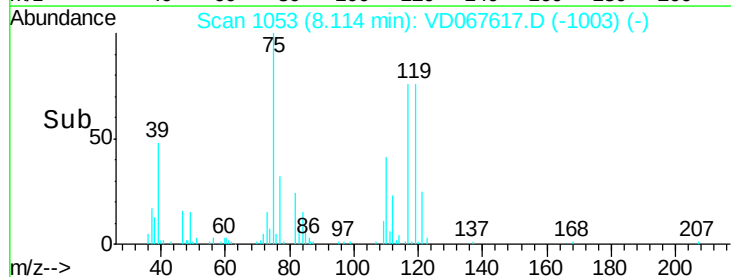
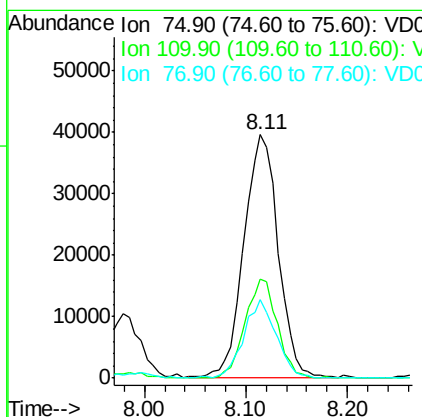
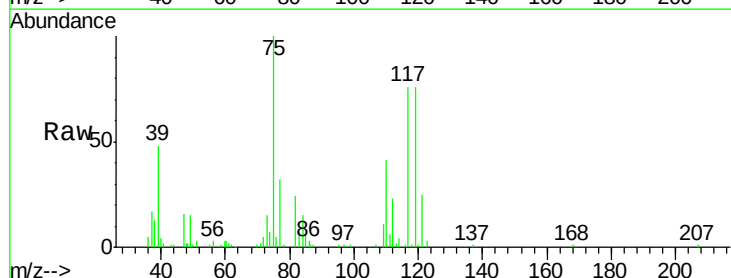
Manual Integrations
 APPROVED

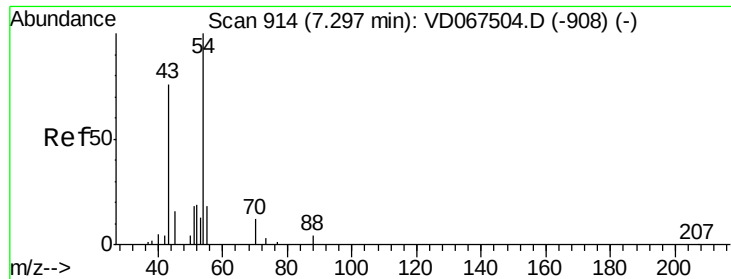
MMDadoda
 11/16/2020 2:34:42 PM



#36
 1,1-Dichloropropene
 Concen: 21.379 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD067617.D
 Acq: 12 Nov 2020 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	93281		
110	37.8	19.9	59.7	
77	30.5	24.8	37.2	





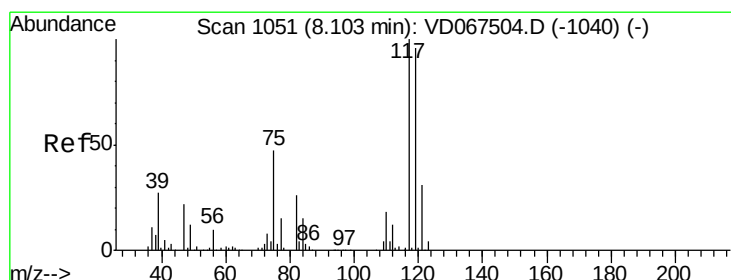
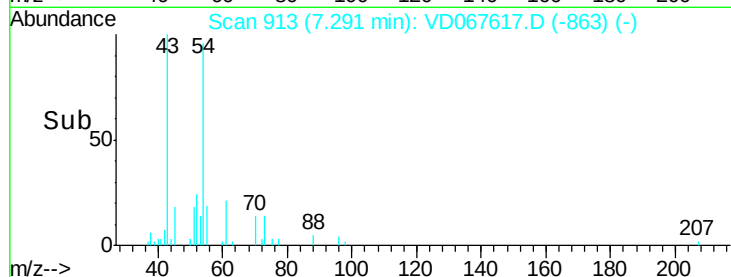
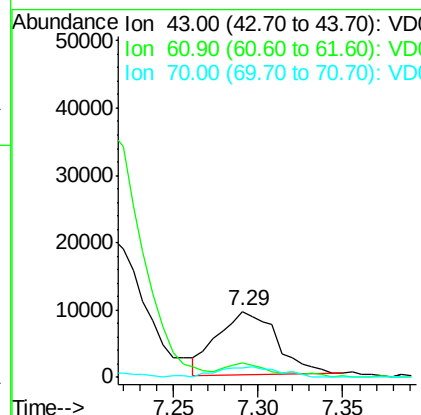
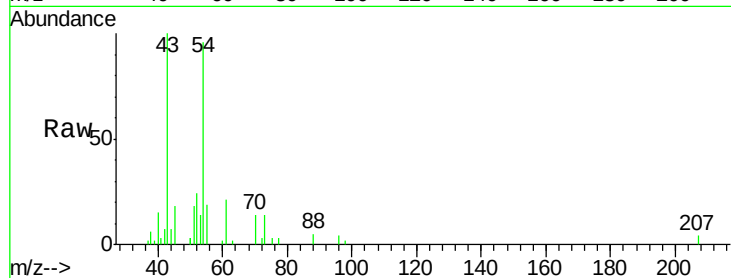
#37
Ethyl Acetate
Concen: 20.453 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.8	12.8	19.2
70	17.6	11.7	17.5

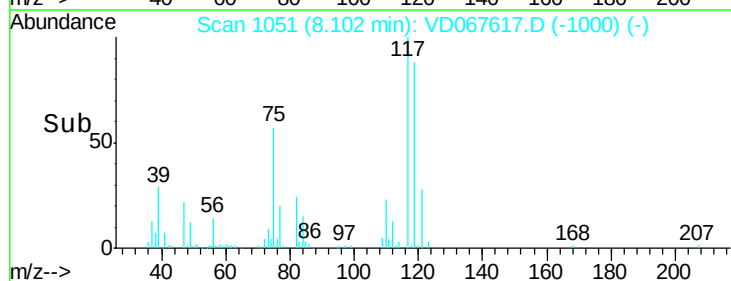
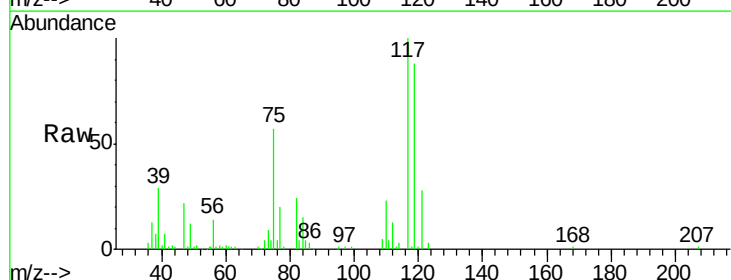
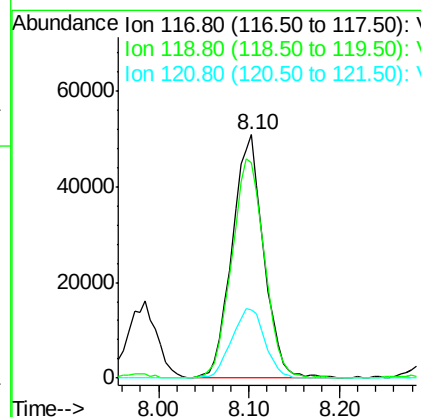
Manual Integrations
APPROVED

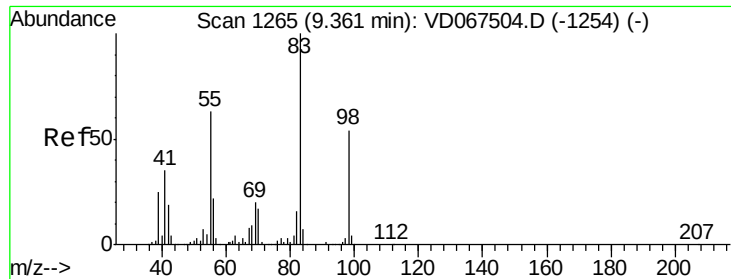
MMDadoda
11/16/2020 2:34:42 PM



#38
Carbon Tetrachloride
Concen: 21.714 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.4	76.9	115.3
121	28.0	24.5	36.7





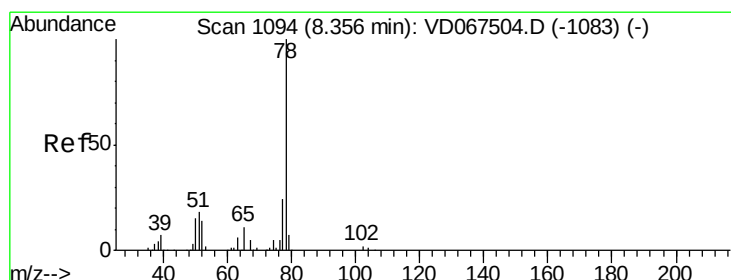
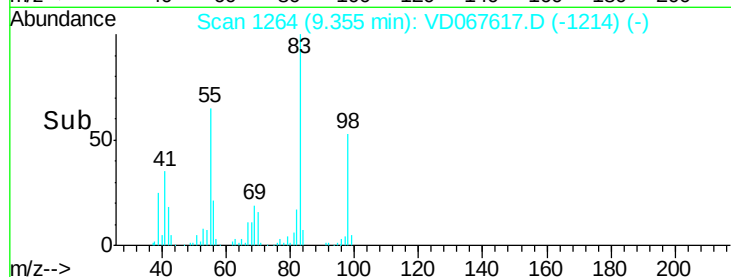
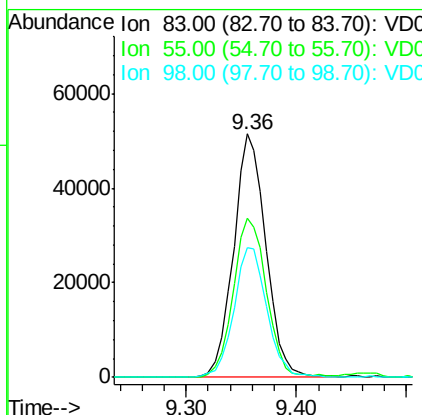
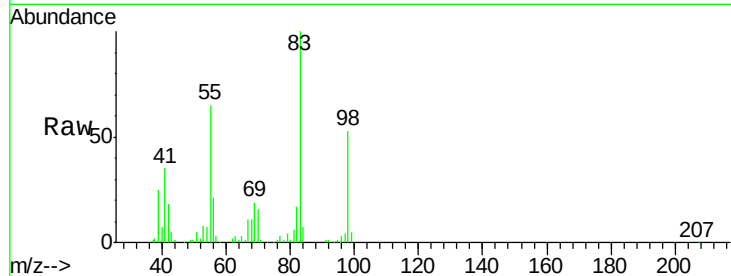
#39
Methylvlcyclohexane
Concen: 20.661 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	65.5	50.5	75.7
98	53.0	43.4	65.0

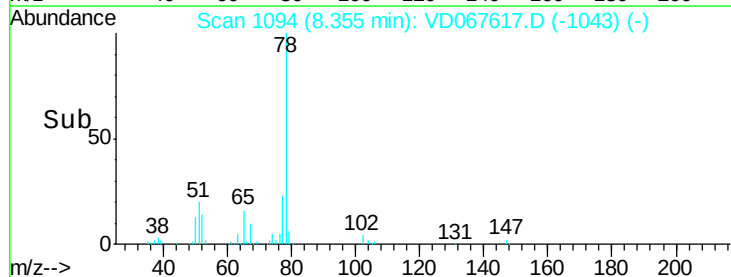
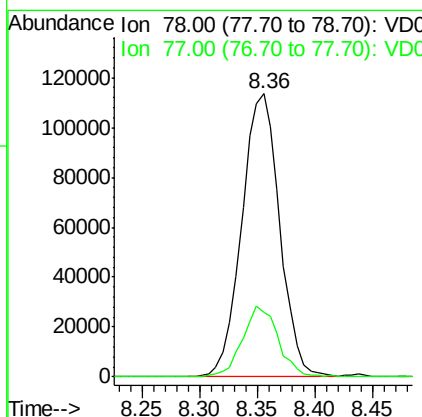
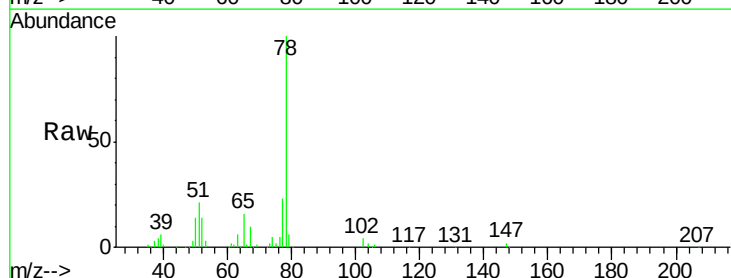
Manual Integrations
APPROVED

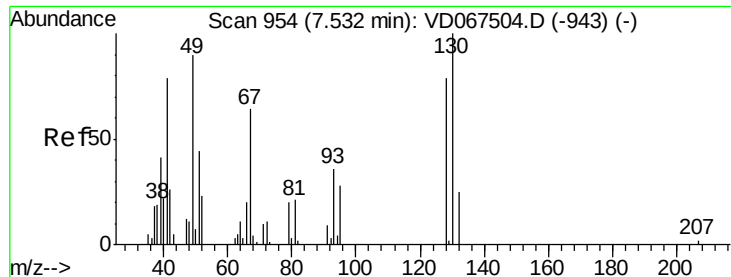
MMDadoda
11/16/2020 2:34:42 PM



#40
Benzene
Concen: 21.942 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.1	28.7





#41

Methacrylonitrile

Concen: 22.245 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.00 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

Tot Ion: 41 Resp: 15062

Ion Ratio Lower Upper

41 100

39 48.5 51.3 76.9#

67 87.9 78.9 118.3

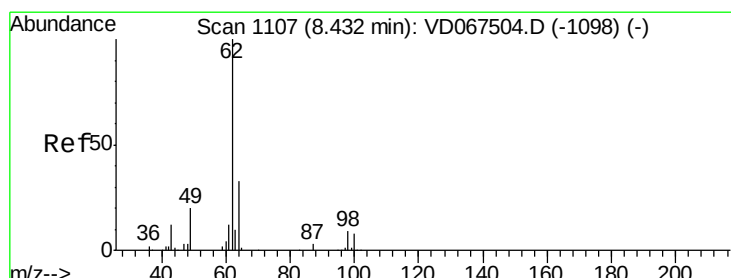
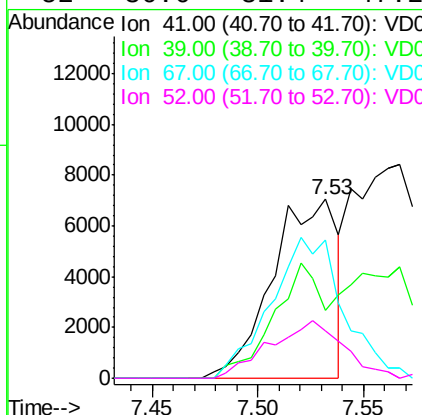
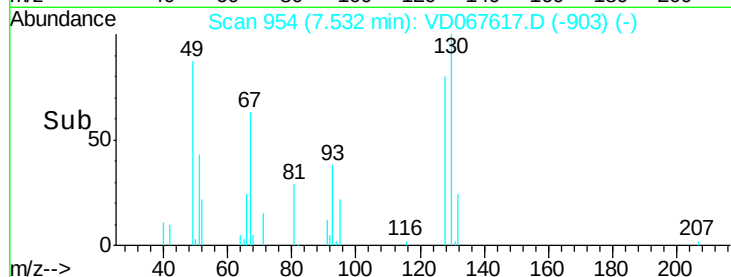
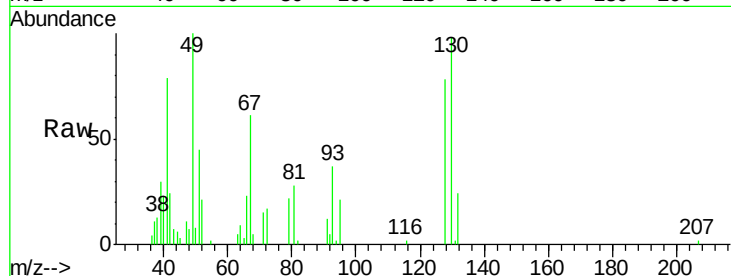
52 36.6 31.4 47.2

Manual Integrations

APPROVED

MMDadoda

11/16/2020 2:34:42 PM



#42

1,2-Dichloroethane

Concen: 20.687 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD067617.D

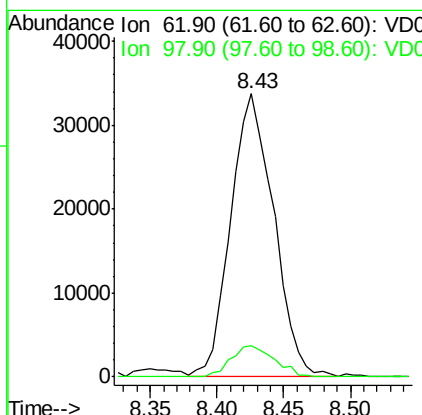
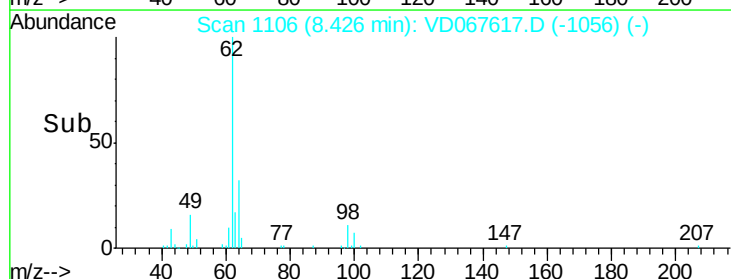
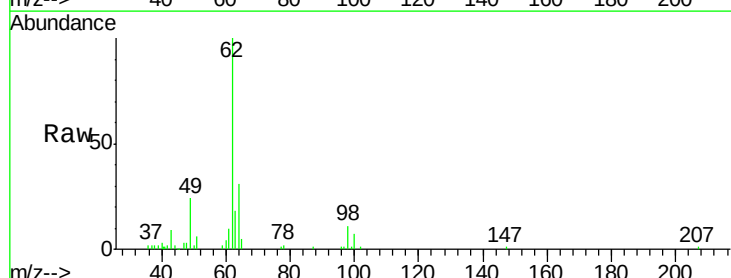
Acq: 12 Nov 2020 12:30

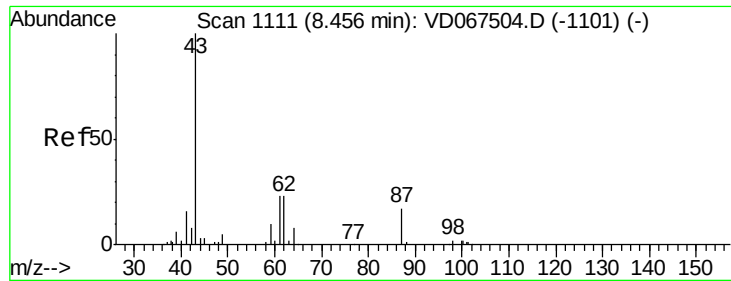
Tgt Ion: 62 Resp: 75540

Ion Ratio Lower Upper

62 100

98 11.2 0.0 19.8





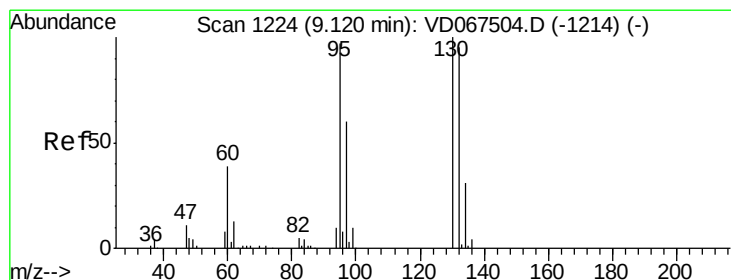
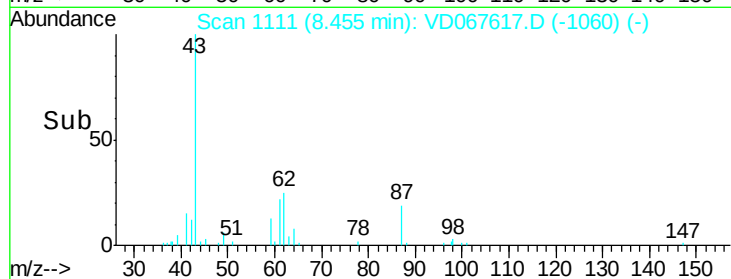
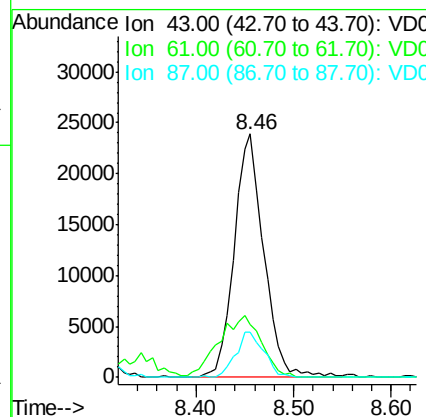
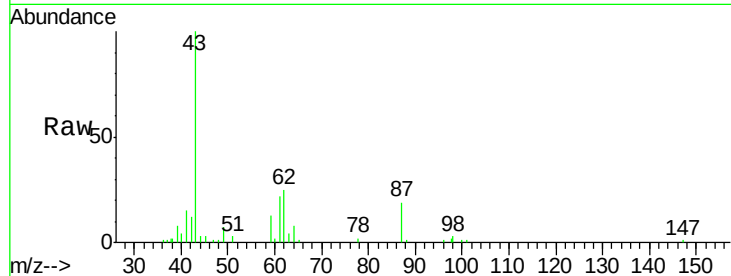
#43
Isopropyl Acetate
Concen: 22.470 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	36.3	30.5	45.7
87	17.5	14.7	22.1

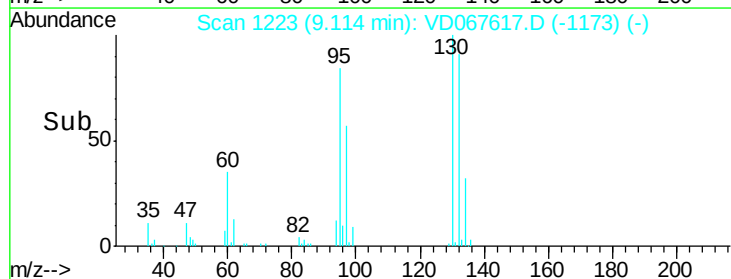
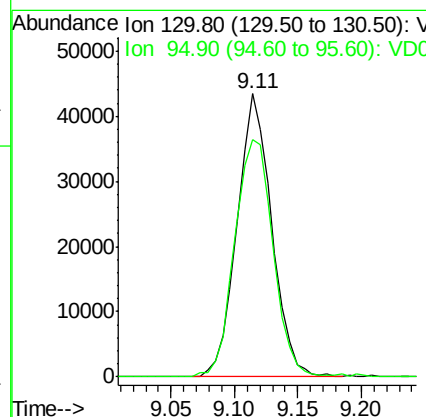
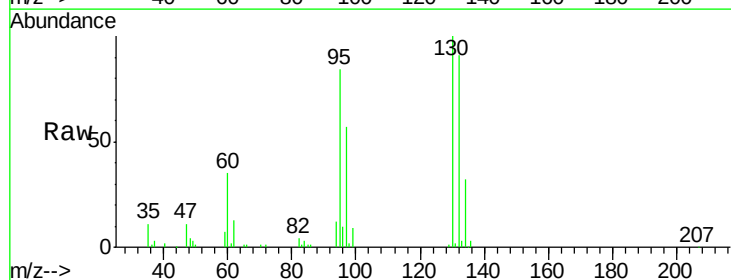
Manual Integrations
APPROVED

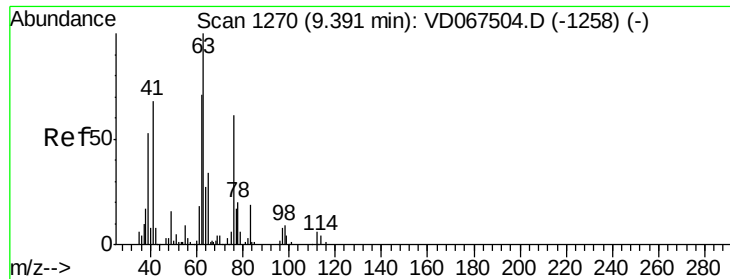
MMDadoda
11/16/2020 2:34:42 PM



#44
Trichloroethene
Concen: 21.118 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	83.8	0.0	194.4





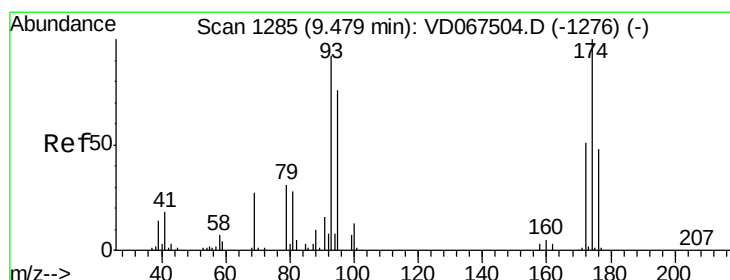
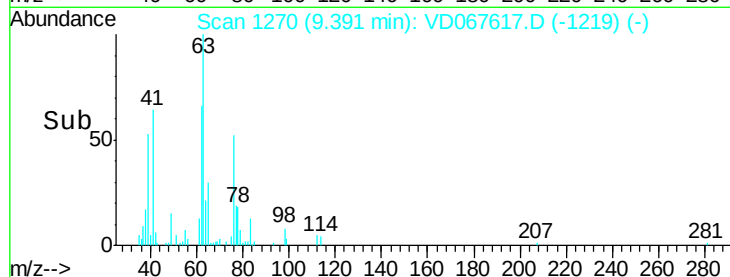
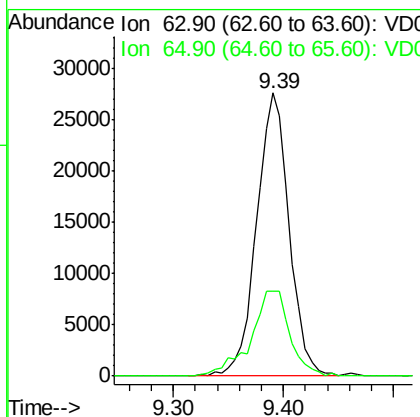
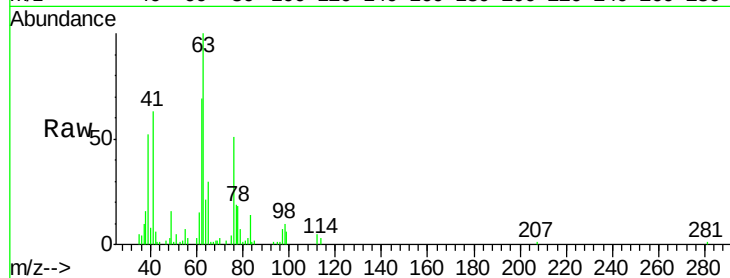
#45
 1,2-Dichloropropane
 Concen: 22.308 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD067617.D
 Acq: 12 Nov 2020 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS01

Tot Ion: 63 Resp: 57004
 Ion Ratio Lower Upper
 63 100
 65 30.0 26.9 40.3

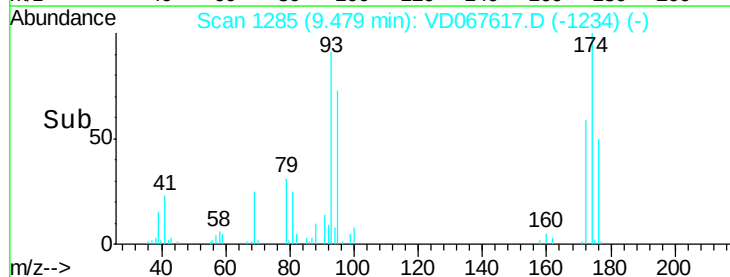
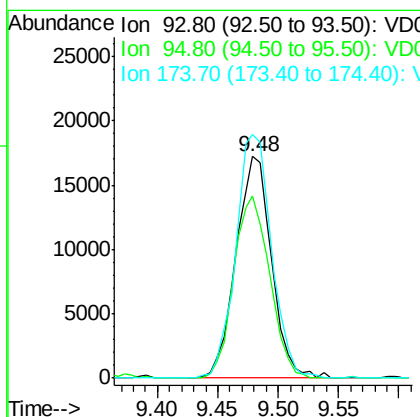
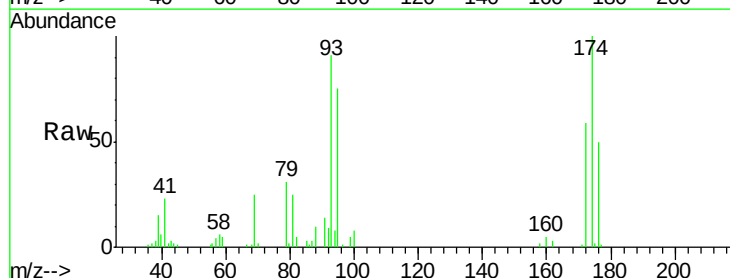
Manual Integrations
 APPROVED

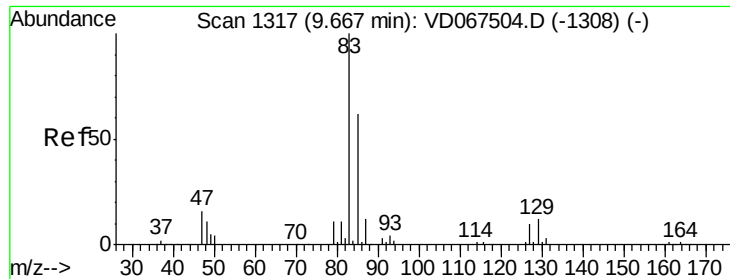
MMDadoda
 11/16/2020 2:34:42 PM



#46
 Dibromomethane
 Concen: 21.789 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD067617.D
 Acq: 12 Nov 2020 12:30

Tgt Ion: 93 Resp: 35401
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.4 99.6
 174 110.5 88.2 132.4





#47

Bromodichloromethane

Concen: 21.812 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Instrument :

MSVOA_D

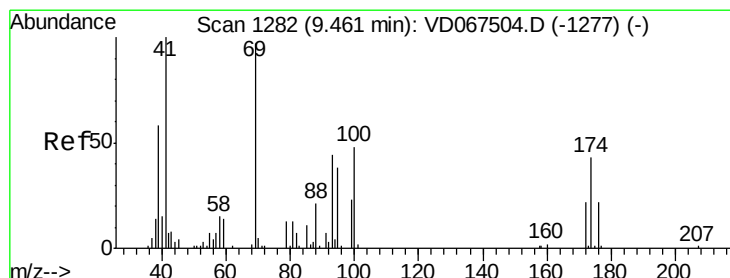
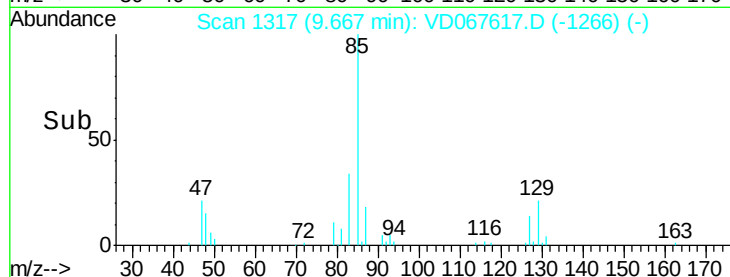
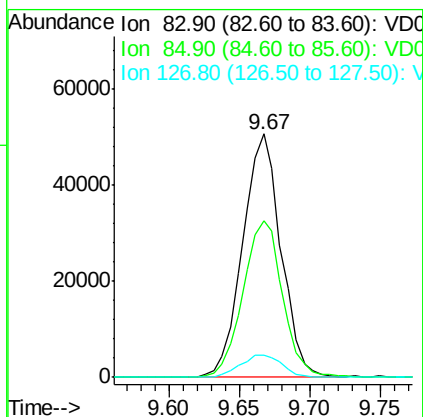
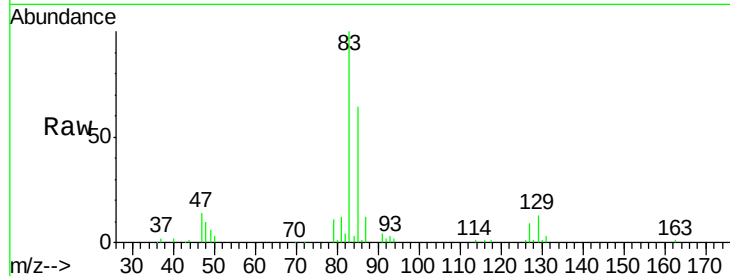
ClientSampleId :

VD1112SBS01

Tot Ion:	83	Resp:	96320
Ion	Ratio	Lower	Upper
83	100		
85	64.3	49.4	74.2
127	9.3	7.7	11.5

Manual Integrations
APPROVED

MMDadoda
11/16/2020 2:34:42 PM



#48

Methyl methacrylate

Concen: 20.163 ug/l

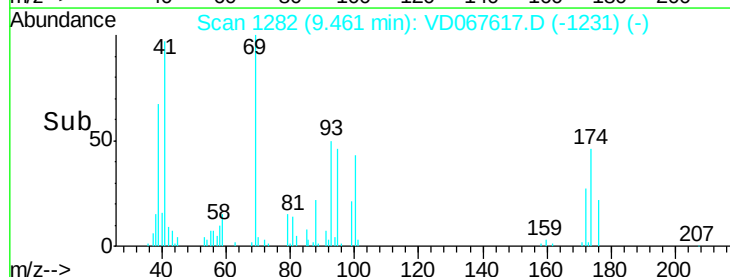
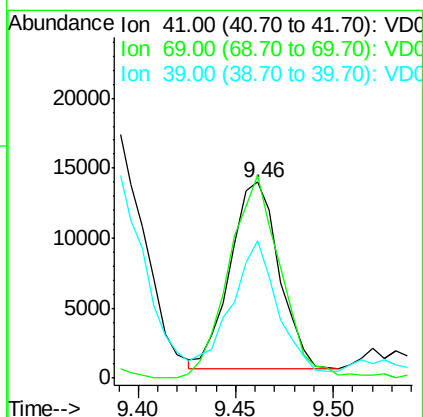
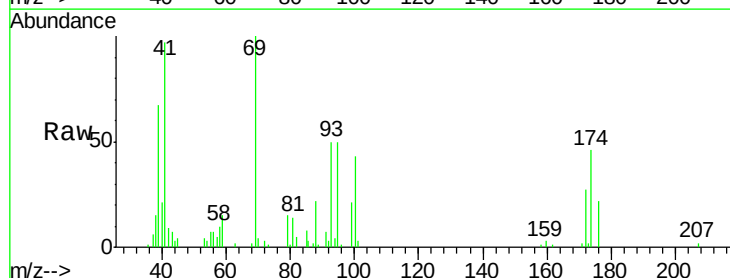
RT: 9.46 min Scan# 1282

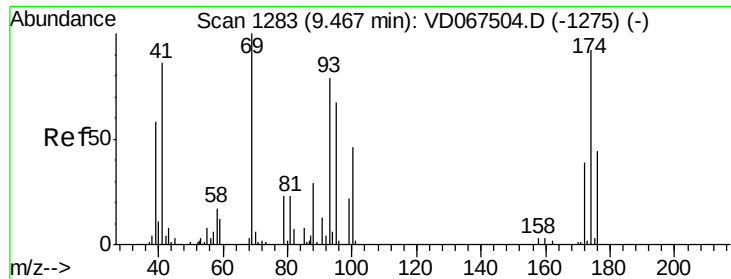
Delta R.T. -0.00 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Tgt Ion:	41	Resp:	23322
Ion	Ratio	Lower	Upper
41	100		
69	114.9	80.6	121.0
39	63.8	50.2	75.4





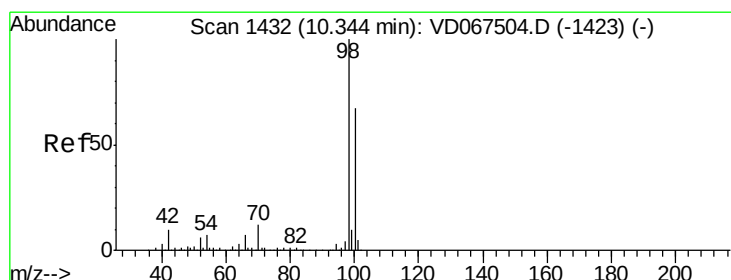
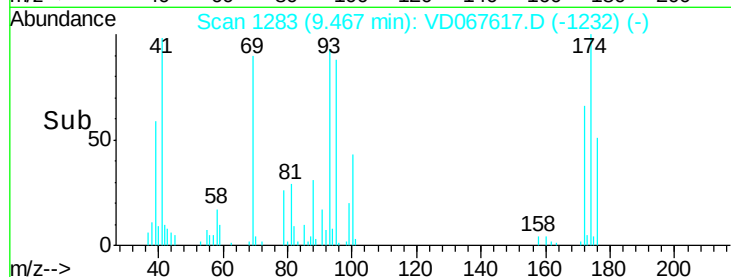
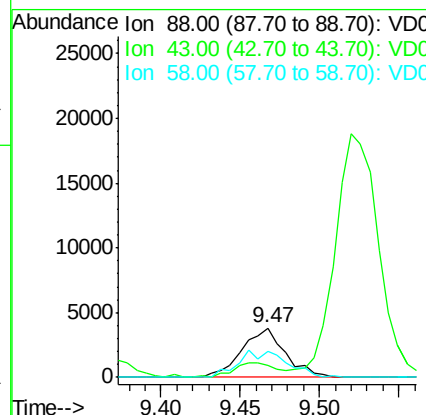
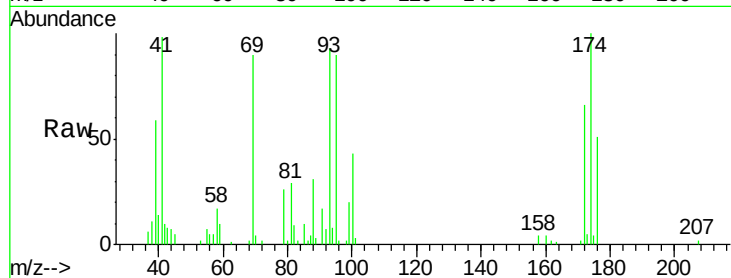
#49
1,4-Dioxane
Concen: 436.834 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.8	23.6	35.4
58	61.5	44.7	67.1

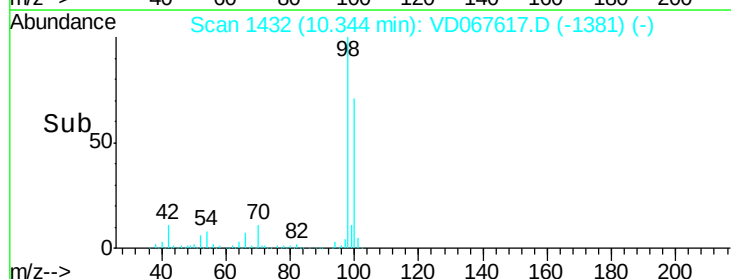
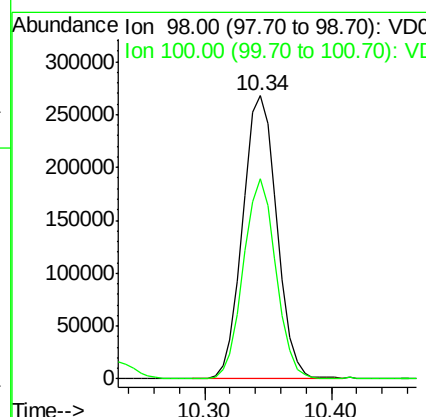
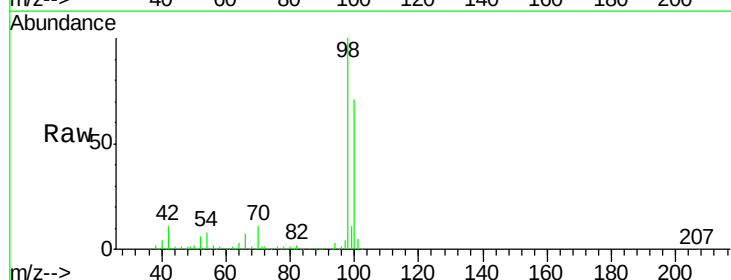
Manual Integrations
APPROVED

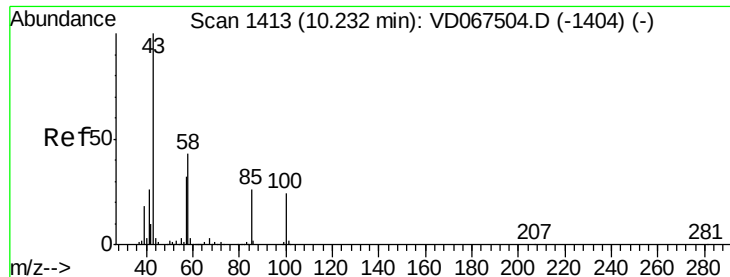
MMDadoda
11/16/2020 2:34:42 PM



#50
Toluene-d8
Concen: 46.406 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.5	53.0	79.6





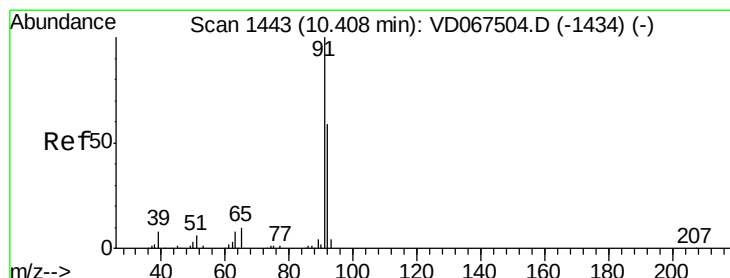
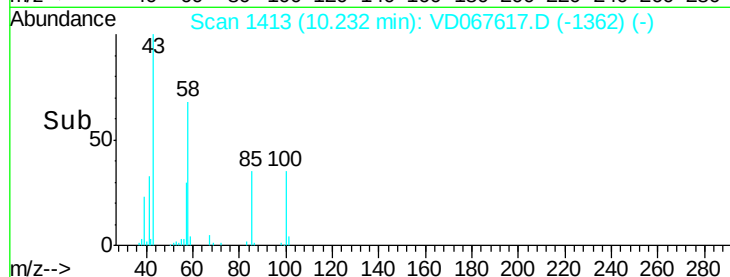
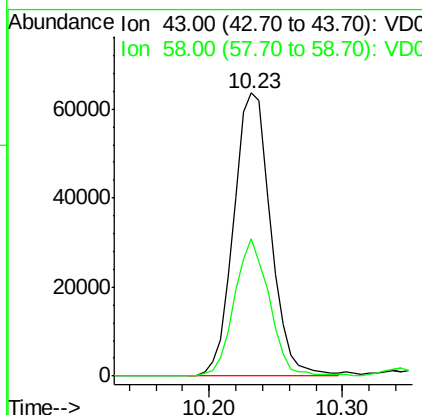
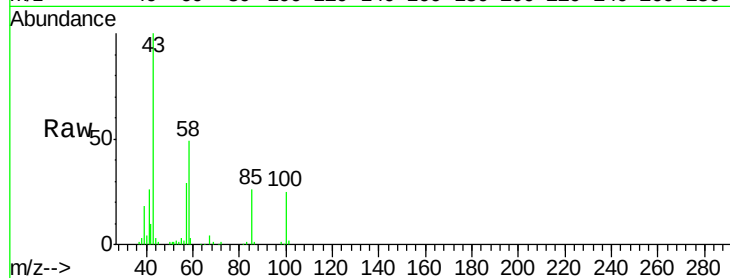
#51
4-Methyl-2-Pentanone
Concen: 114.101 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	45.7	35.6	53.4

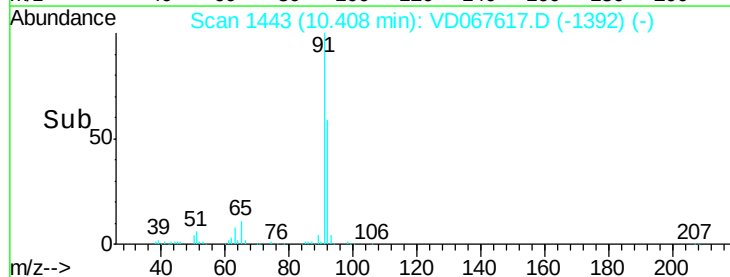
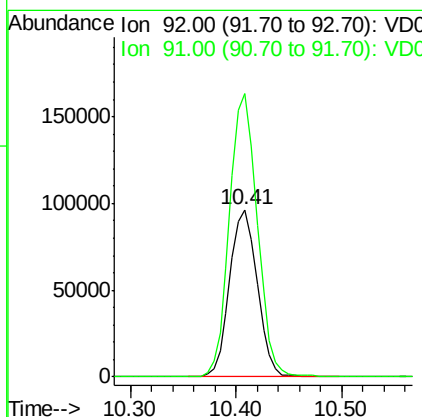
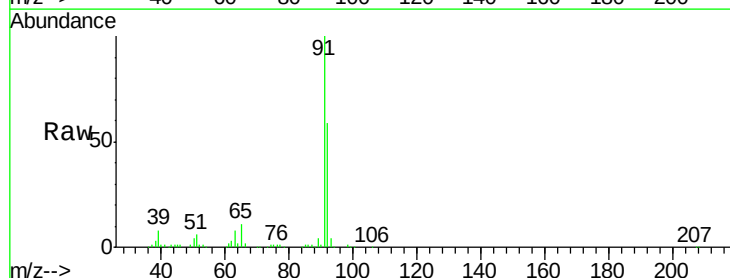
Manual Integrations
APPROVED

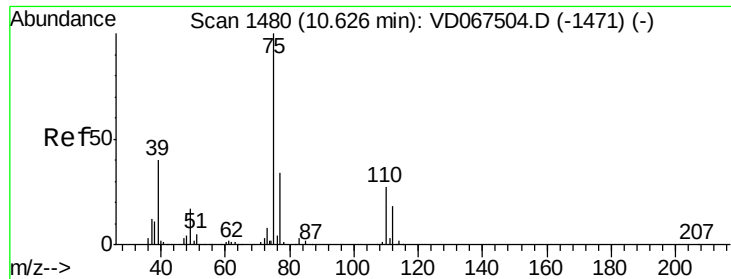
MMDadoda
11/16/2020 2:34:42 PM



#52
Toluene
Concen: 22.094 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.4	137.0	205.6





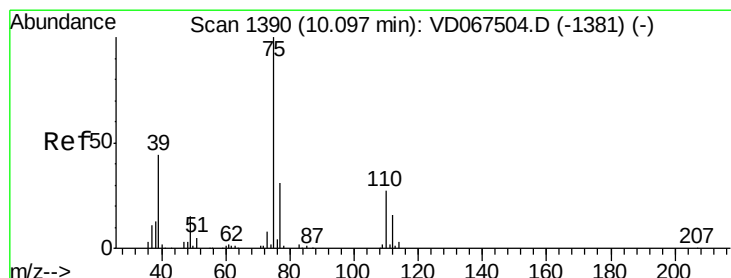
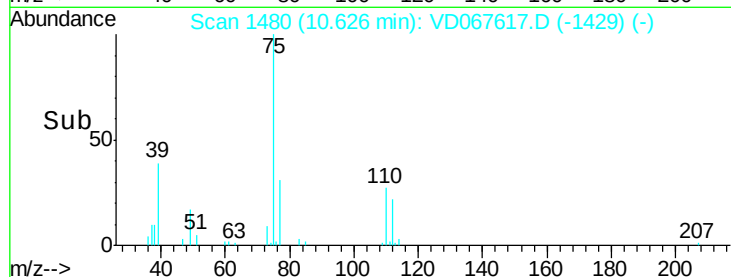
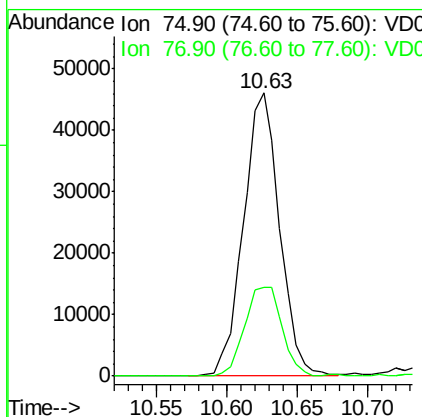
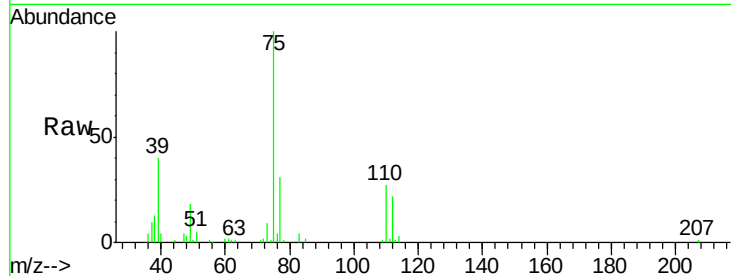
#53
t-1,3-Dichloropropene
Concen: 21.817 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	27.0	40.6

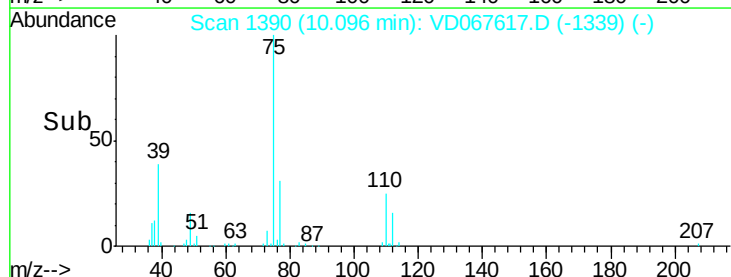
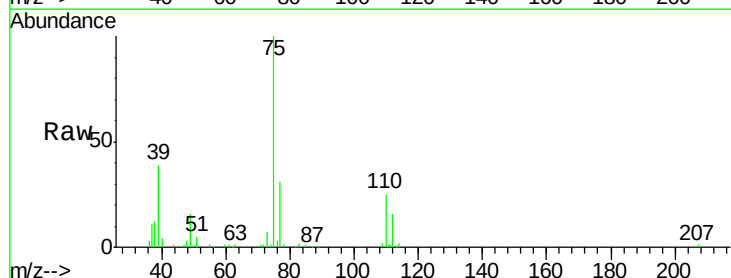
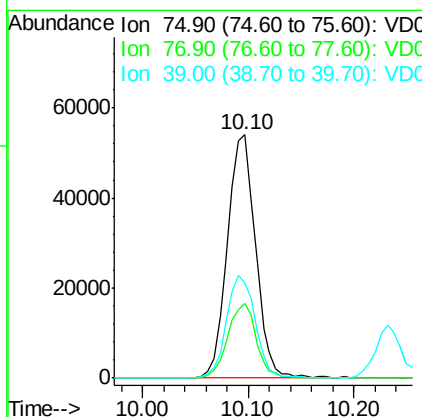
Manual Integrations
APPROVED

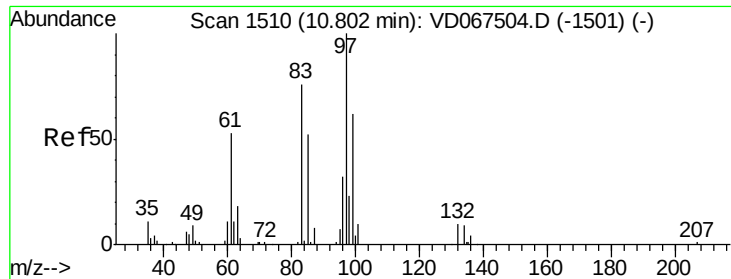
MMDadoda
11/16/2020 2:34:42 PM



#54
cis-1,3-Dichloropropene
Concen: 22.144 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.4	36.6
39	39.2	35.6	53.4





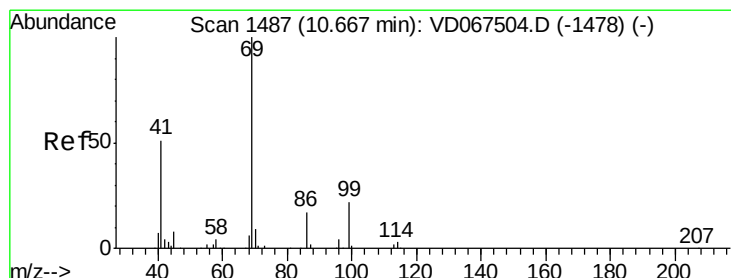
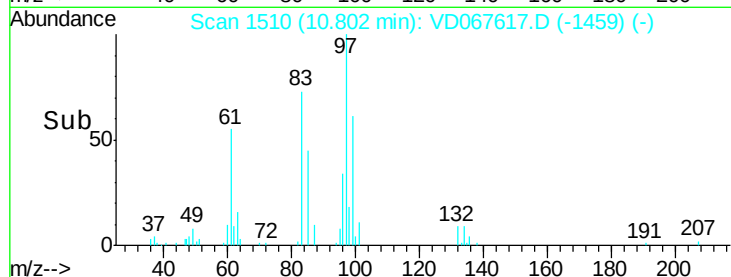
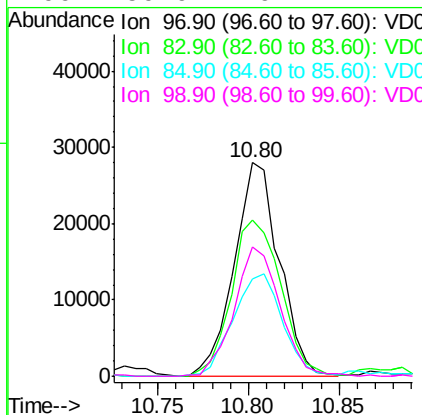
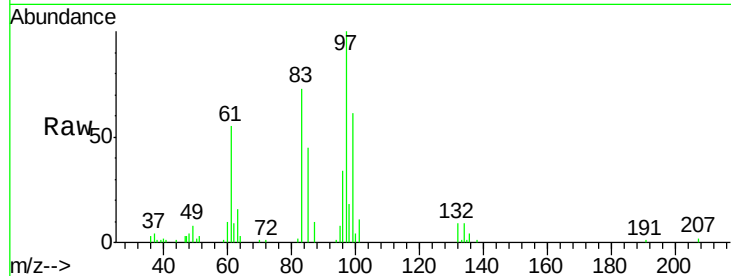
#55
 1,1,2-Trichloroethane
 Concen: 22.572 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD067617.D
 Acq: 12 Nov 2020 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS01

Tot Ion:	97	Resp:	48523
Ion	Ratio	Lower	Upper
97	100		
83	73.3	61.0	91.6
85	44.7	41.5	62.3
99	59.9	49.4	74.2

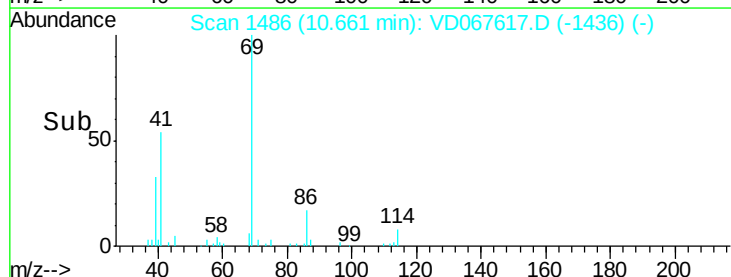
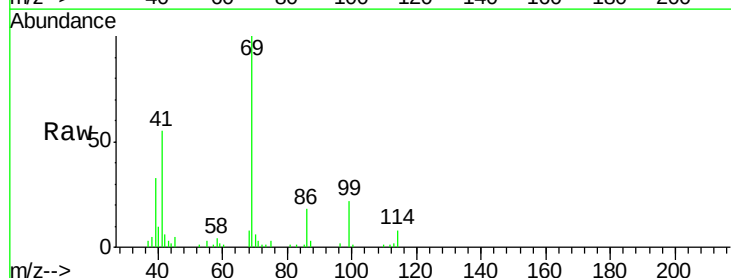
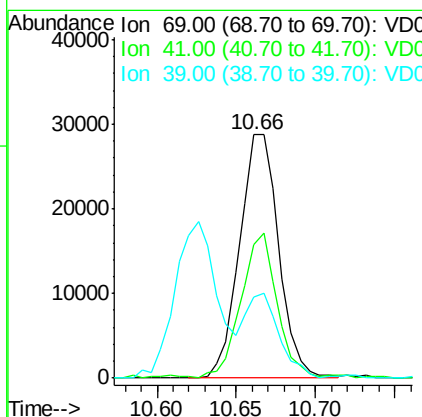
Manual Integrations
 APPROVED

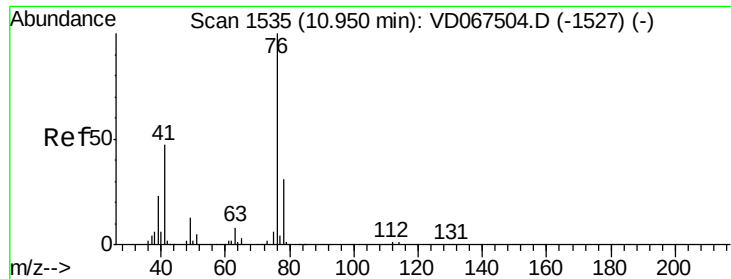
MMDadoda
 11/16/2020 2:34:42 PM



#56
 Ethyl methacrylate
 Concen: 22.314 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD067617.D
 Acq: 12 Nov 2020 12:30

Tgt Ion:	69	Resp:	49535
Ion	Ratio	Lower	Upper
69	100		
41	55.1	45.4	68.0
39	30.3	27.4	41.0





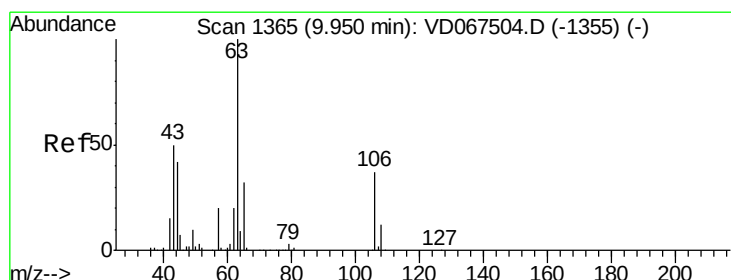
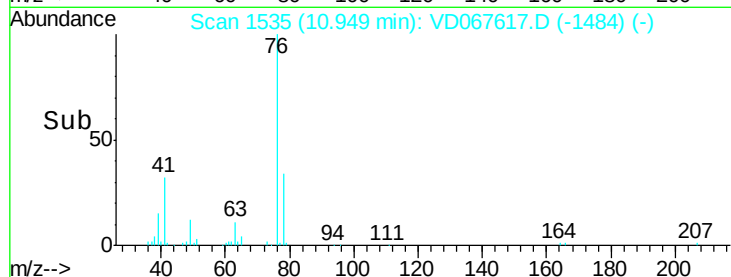
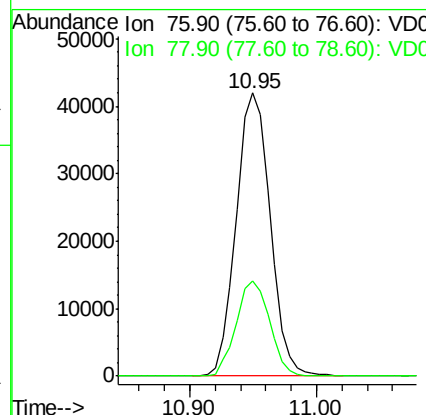
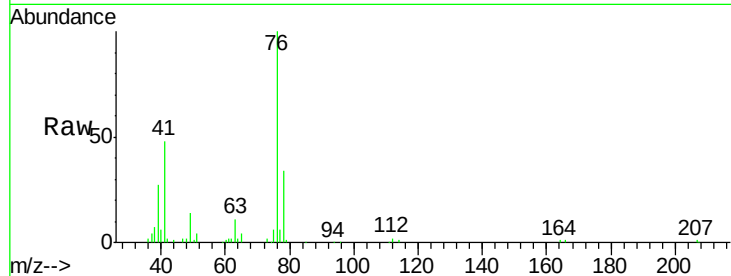
#57
 1,3-Dichloropropane
 Concen: 22.515 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD067617.D
 Acq: 12 Nov 2020 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.1	39.1

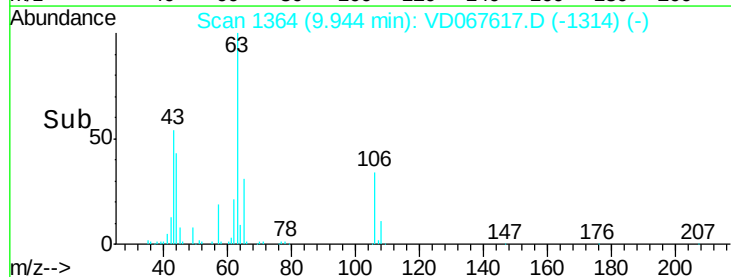
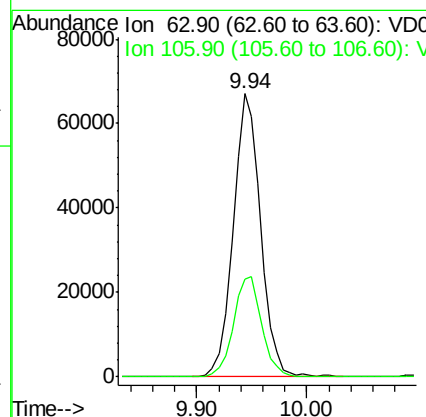
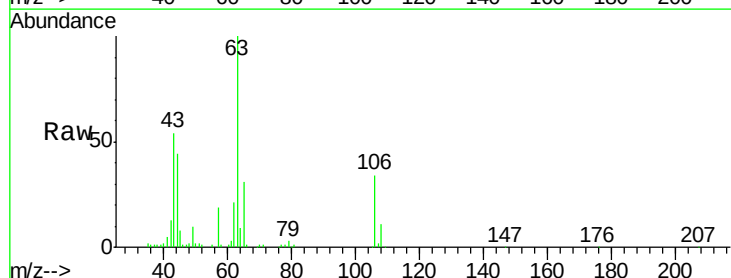
Manual Integrations
 APPROVED

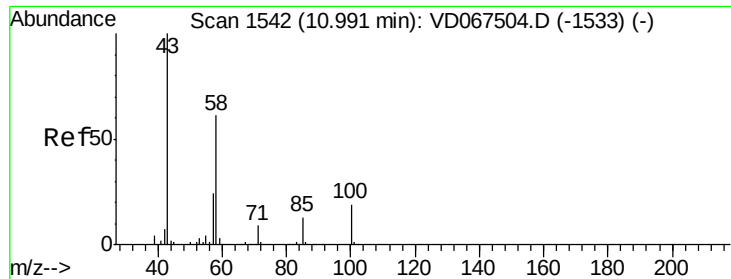
MMDadoda
 11/16/2020 2:34:42 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 112.087 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD067617.D
 Acq: 12 Nov 2020 12:30

Tgt Ion	Ratio	Lower	Upper
63	100		
106	36.6	29.2	43.8





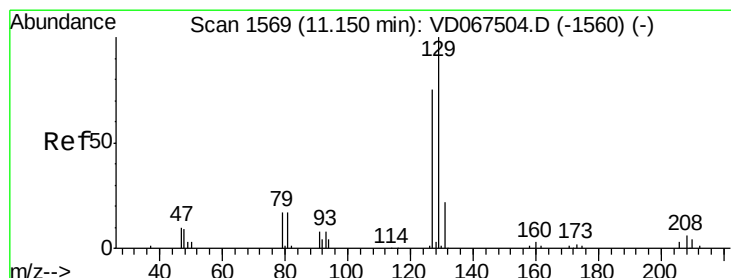
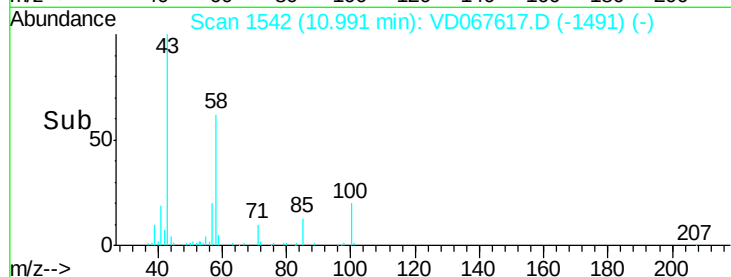
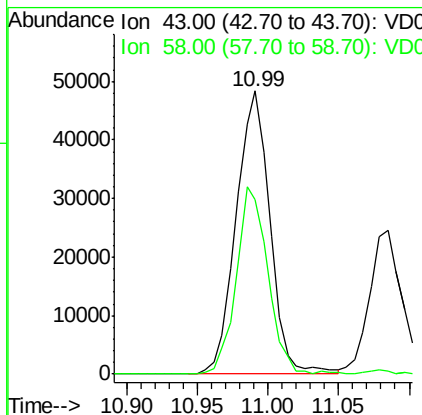
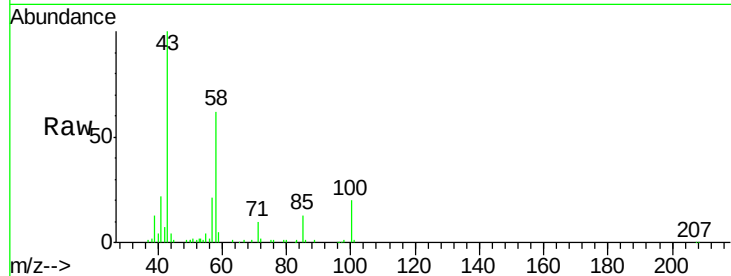
#59
2-Hexanone
Concen: 108.320 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion: 43 Resp: 81145
Ion Ratio Lower Upper
43 100
58 62.0 30.3 90.9

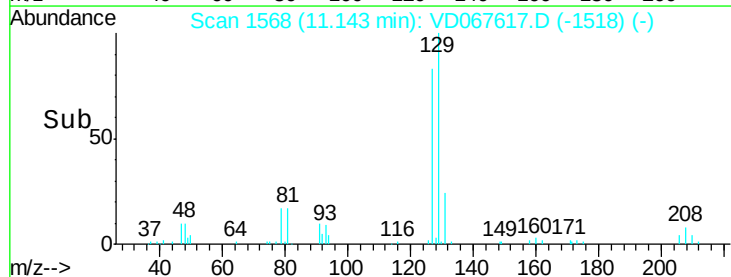
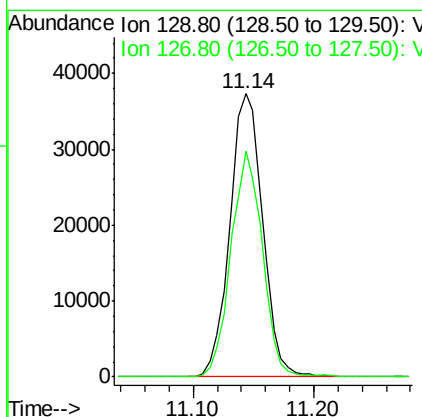
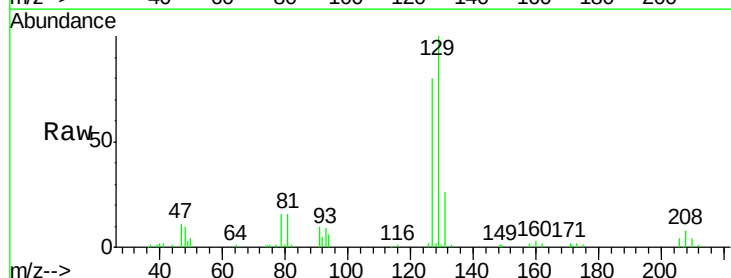
Manual Integrations
APPROVED

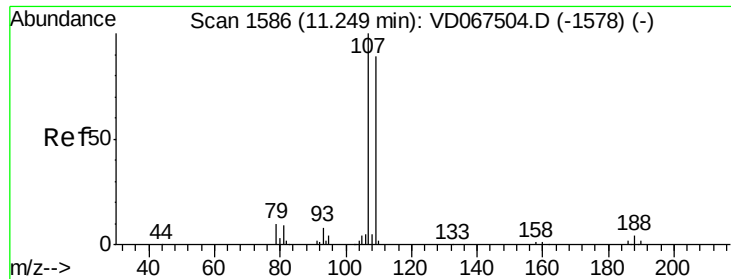
MMDadoda
11/16/2020 2:34:42 PM



#60
Dibromochloromethane
Concen: 22.217 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Tgt Ion: 129 Resp: 70650
Ion Ratio Lower Upper
129 100
127 76.4 38.0 114.1





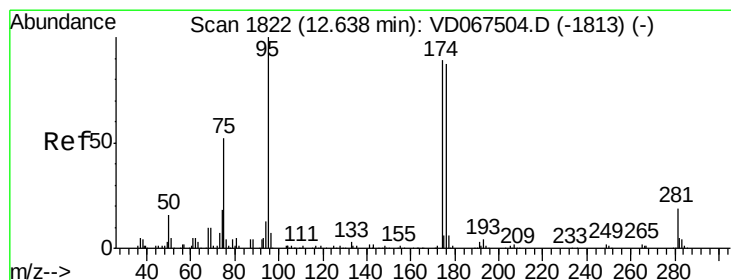
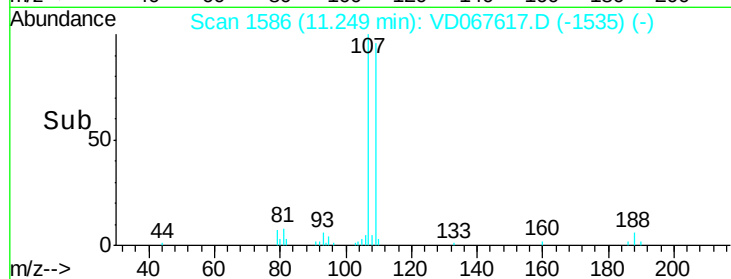
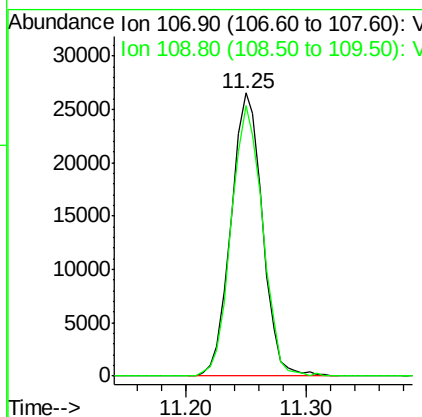
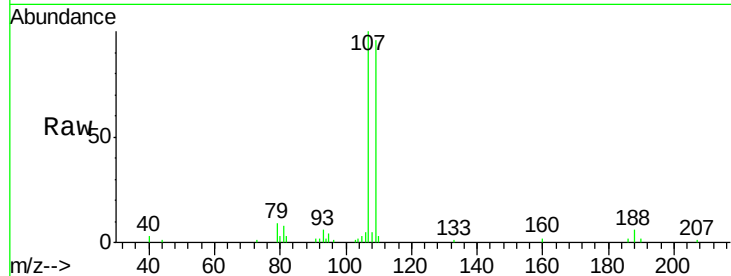
#61
 1,2-Dibromoethane
 Concen: 22.265 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD067617.D
 Acq: 12 Nov 2020 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS01

Tot Ion: 107 Resp: 48038
 Ion Ratio Lower Upper
 107 100
 109 95.8 74.6 111.8

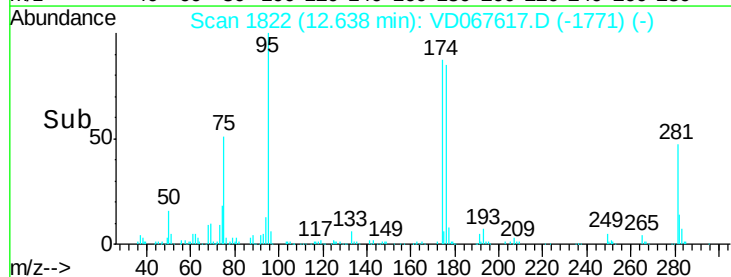
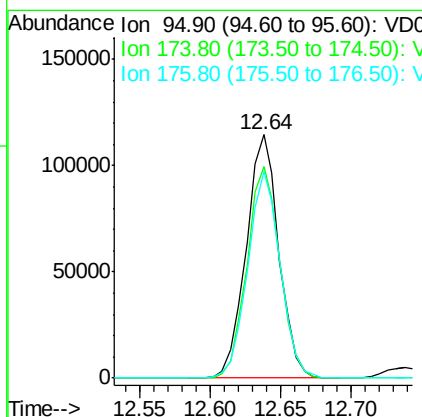
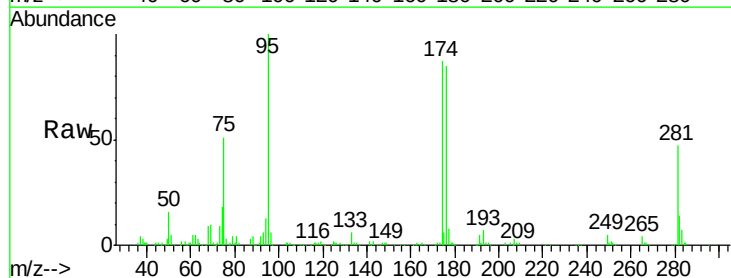
Manual Integrations
 APPROVED

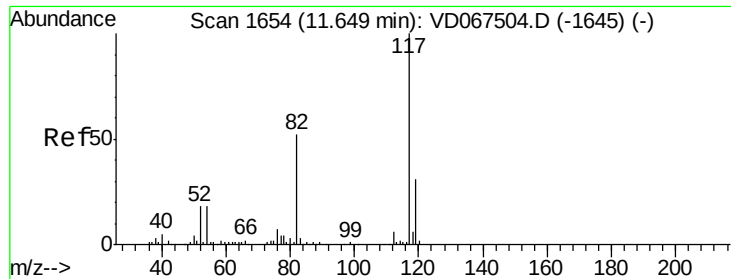
MMDadoda
 11/16/2020 2:34:42 PM



#62
 4-Bromofluorobenzene
 Concen: 49.835 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD067617.D
 Acq: 12 Nov 2020 12:30

Tgt Ion: 95 Resp: 185687
 Ion Ratio Lower Upper
 95 100
 174 87.6 0.0 177.8
 176 84.9 0.0 172.0





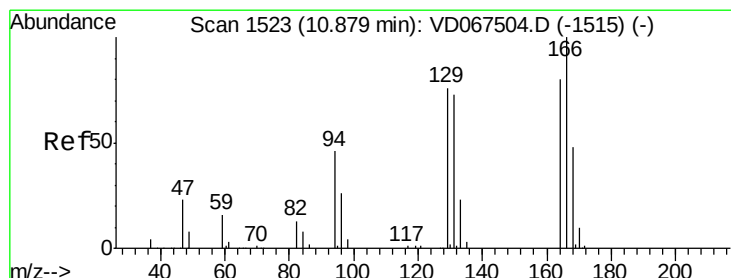
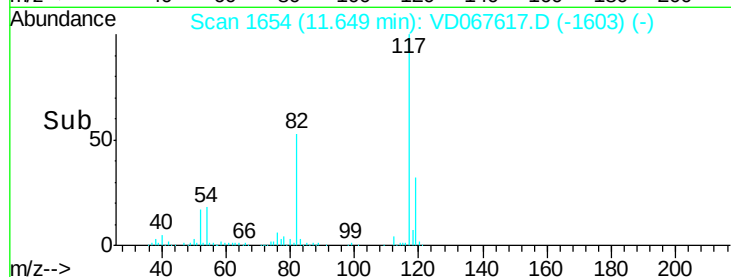
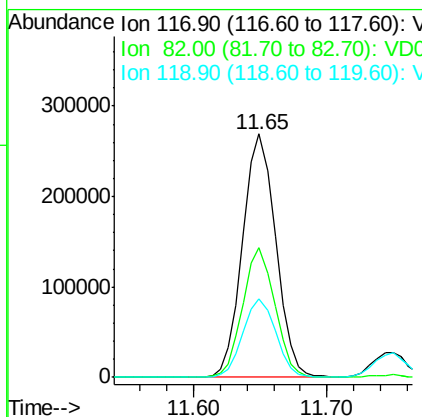
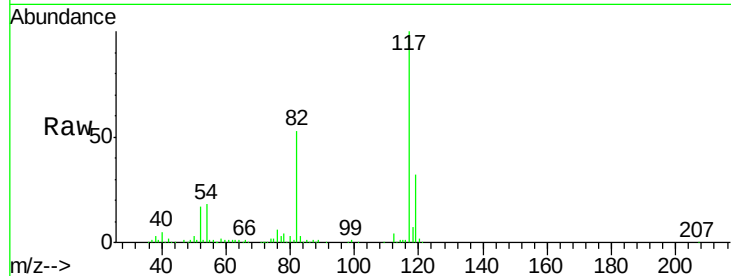
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	41.6	62.4
119	32.2	25.1	37.7

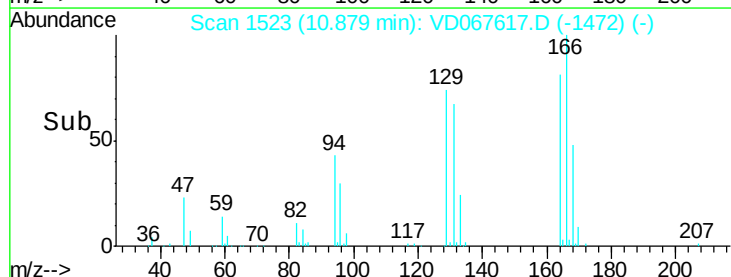
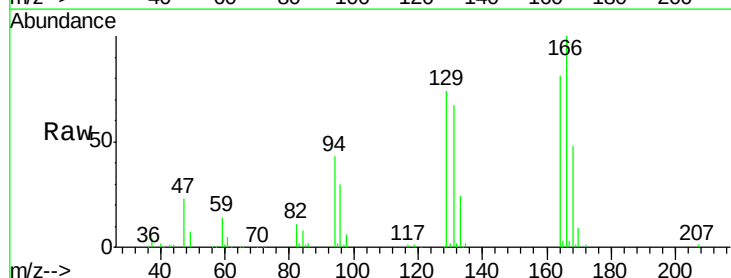
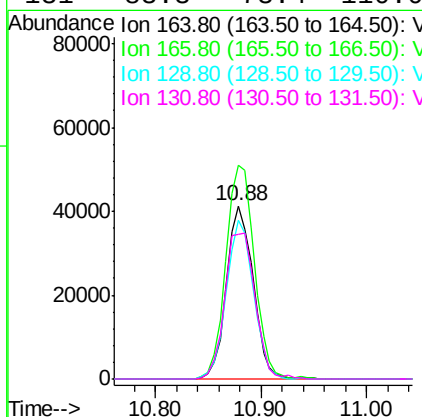
Manual Integrations
APPROVED

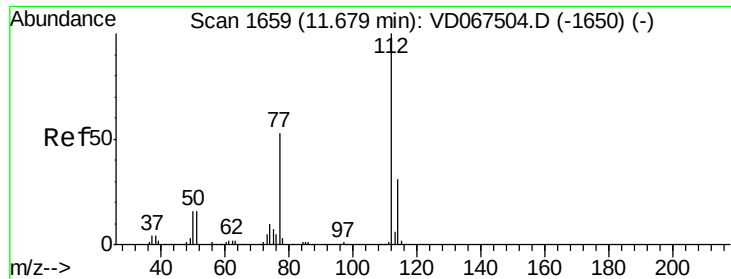
MMDadoda
11/16/2020 2:34:42 PM



#64
Tetrachloroethene
Concen: 20.958 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.5	99.9	149.9
129	91.6	75.5	113.3
131	83.3	73.4	110.0





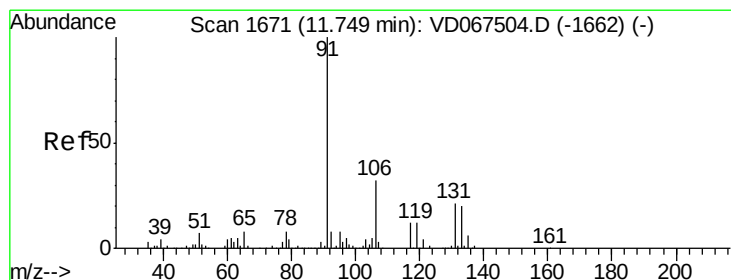
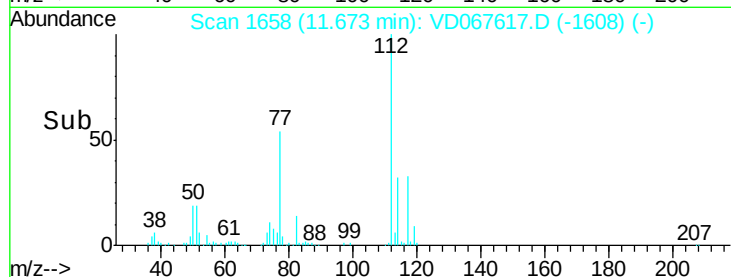
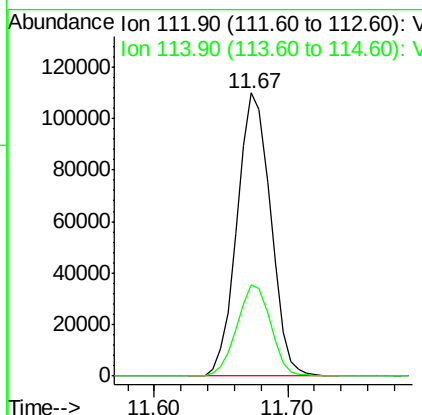
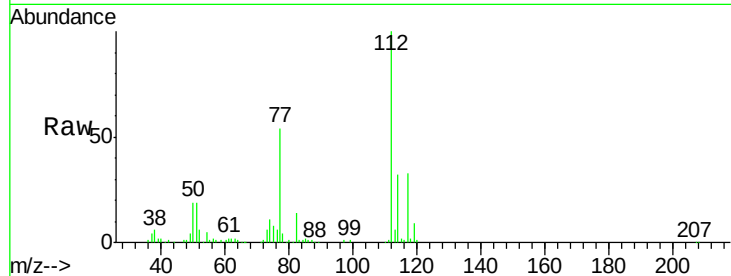
#65
Chlorobenzene
Concen: 21.438 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	24.9	37.3

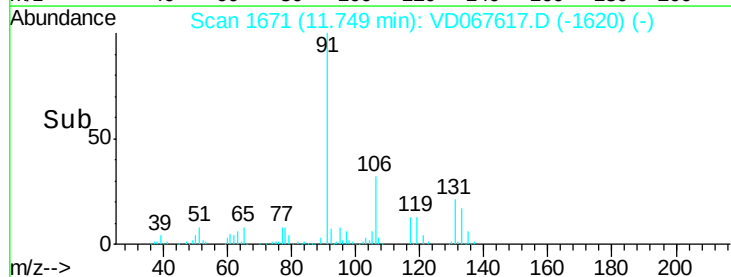
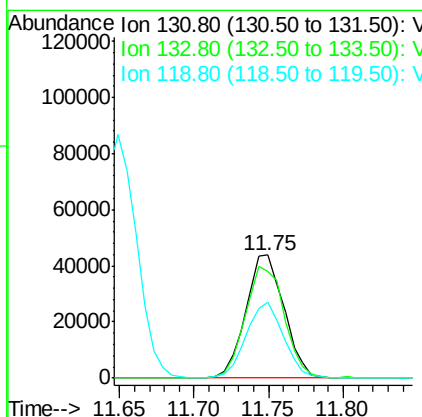
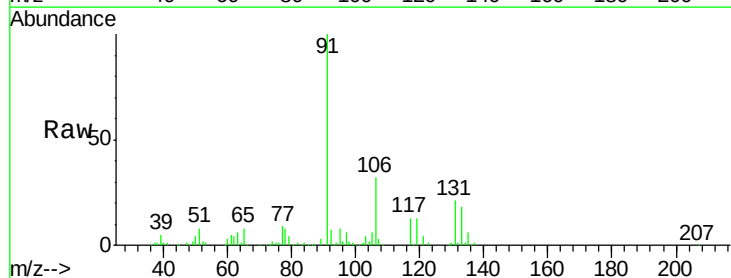
Manual Integrations
APPROVED

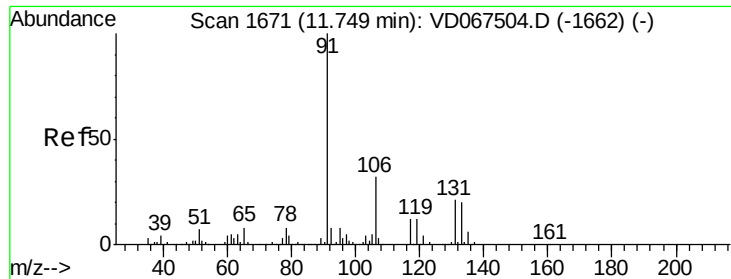
MMDadoda
11/16/2020 2:34:42 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 22.191 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Tgt Ion	Ratio	Lower	Upper
131	100		
133	92.5	48.0	144.0
119	60.1	30.1	90.5





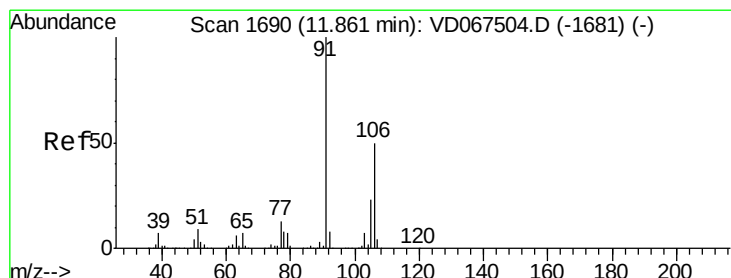
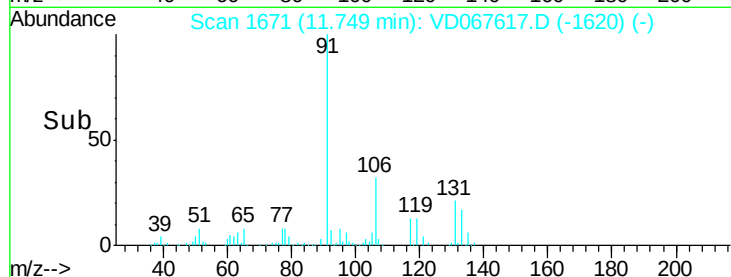
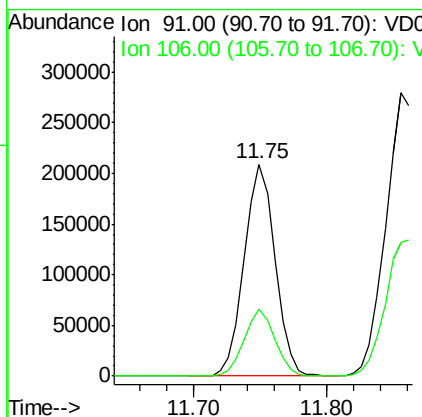
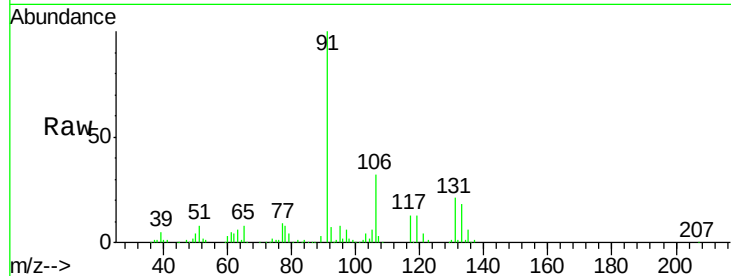
#67
Ethyl Benzene
Concen: 21.835 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion: 91 Resp: 334043
Ion Ratio Lower Upper
91 100
106 31.6 25.7 38.5

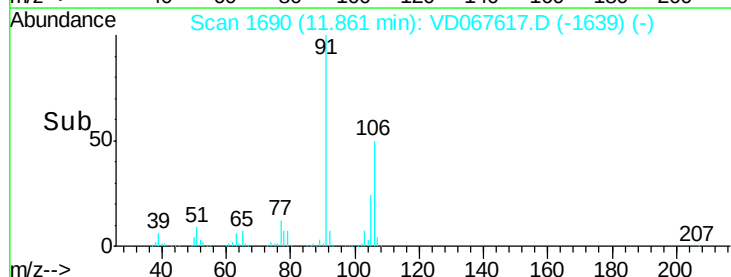
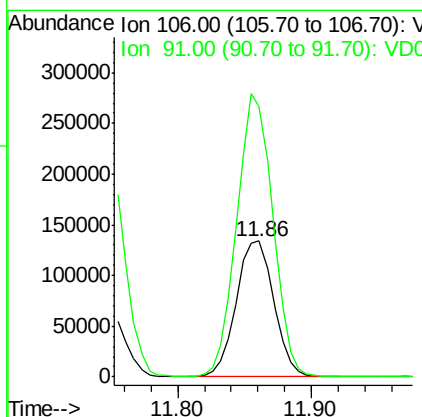
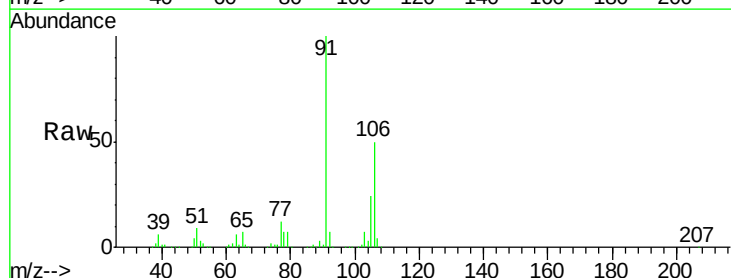
Manual Integrations
APPROVED

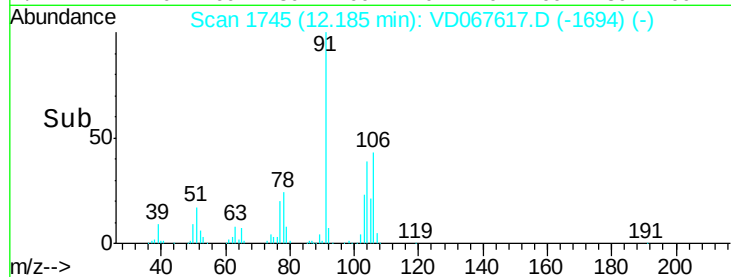
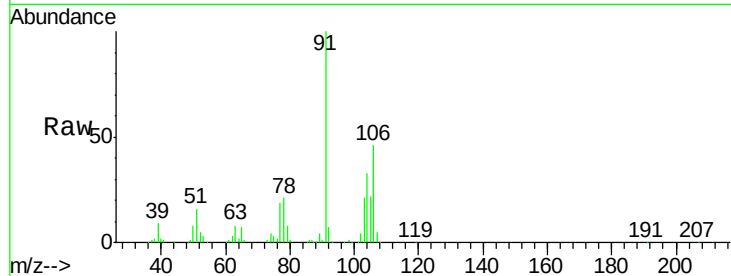
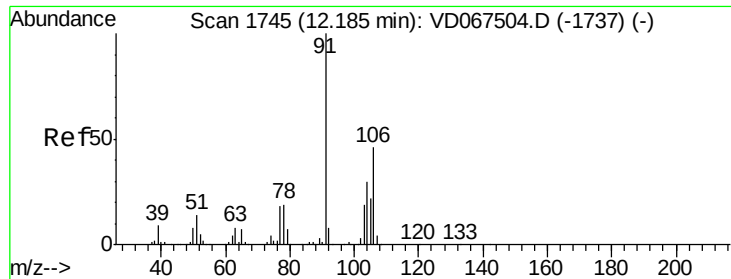
MMDadoda
11/16/2020 2:34:42 PM



#68
m/p-Xylenes
Concen: 44.092 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Tgt Ion: 106 Resp: 262426
Ion Ratio Lower Upper
106 100
91 199.5 162.6 244.0





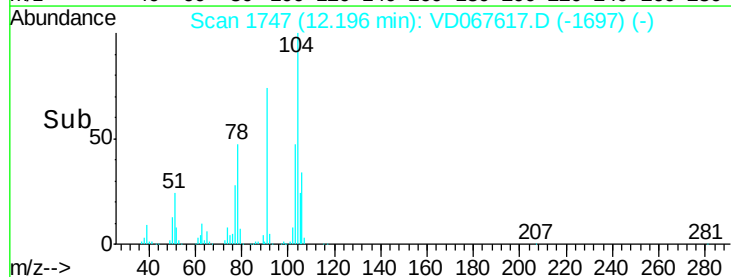
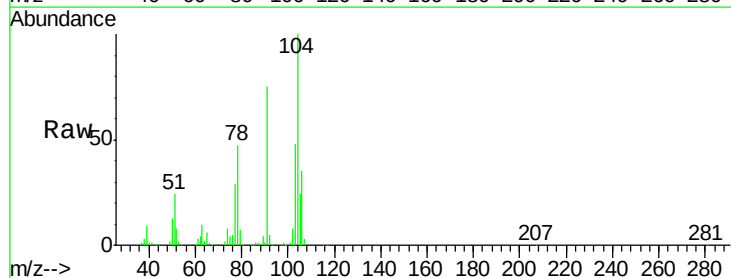
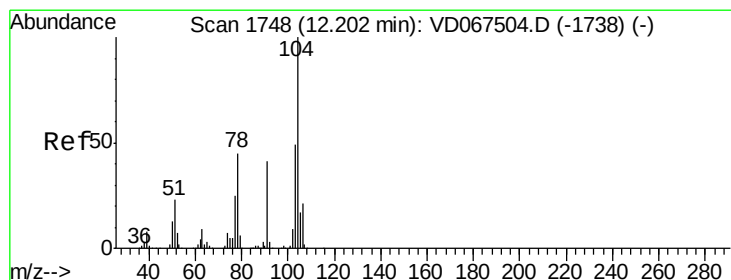
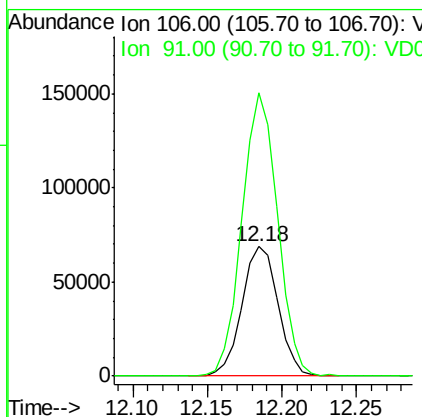
#69
o-Xylene
Concen: 21.784 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Tot Ion:106 Resp: 115756
Ion Ratio Lower Upper
106 100
91 215.1 107.1 321.1

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

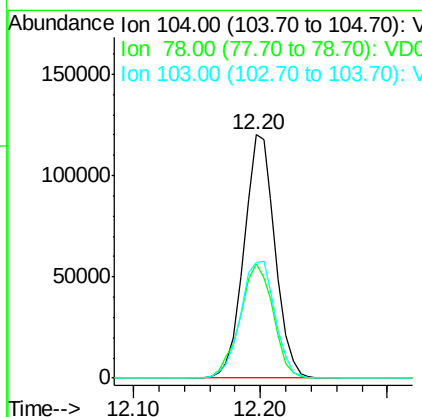
Manual Integrations
APPROVED

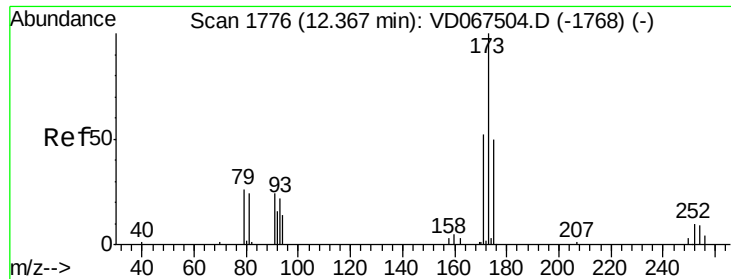
MMDadoda
11/16/2020 2:34:42 PM



#70
Styrene
Concen: 21.995 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Tgt Ion:104 Resp: 203667
Ion Ratio Lower Upper
104 100
78 50.2 39.8 59.8
103 53.4 43.9 65.9





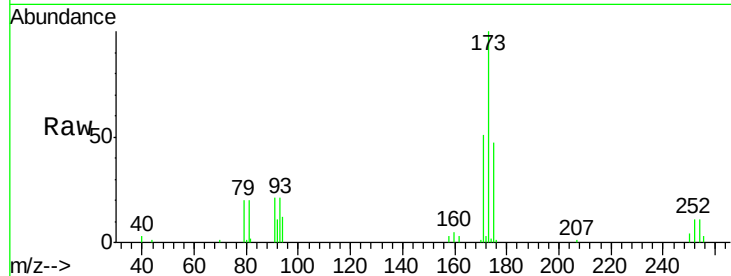
#71
Bromoform
Concen: 21.979 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

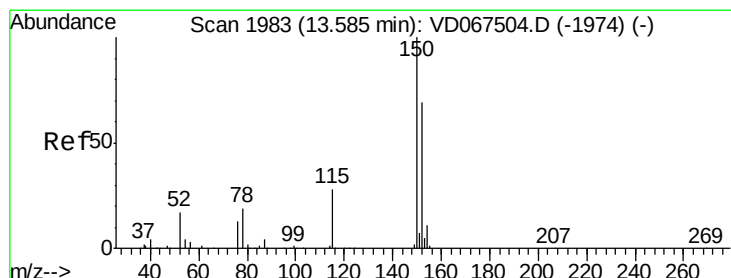
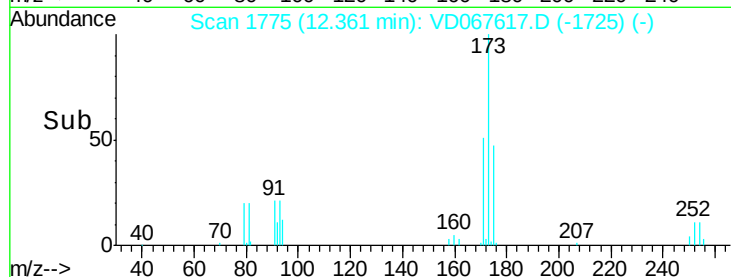
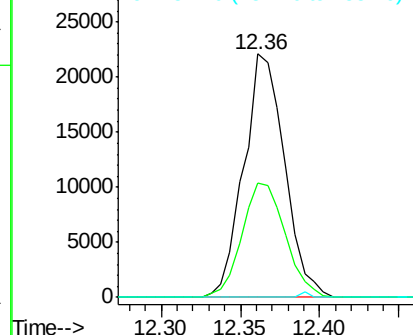
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.1	72.2
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
11/16/2020 2:34:42 PM

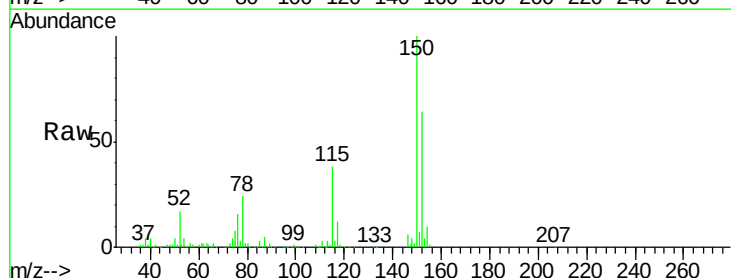


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

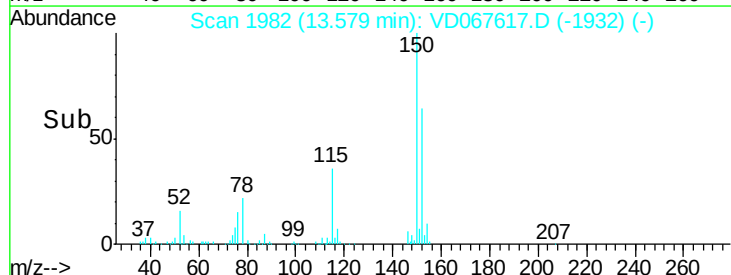
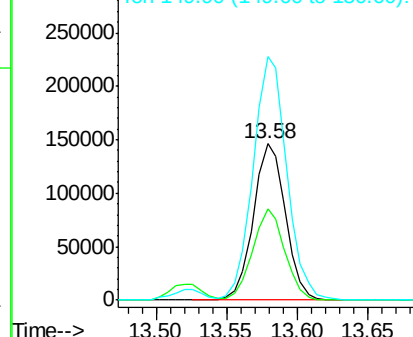


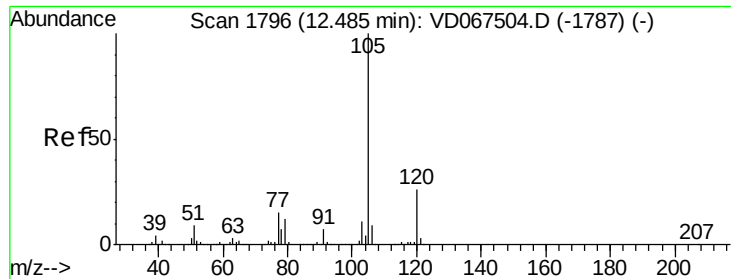
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	29.3	88.0
150	163.8	0.0	338.2



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





#73

Isopropylbenzene

Concen: 21.754 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

Tot Ion: 105 Resp: 328111

Ion Ratio Lower Upper

105 100

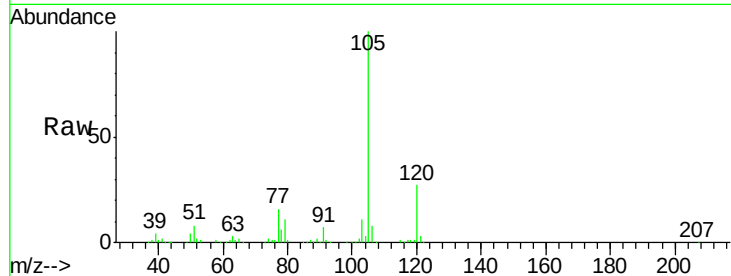
120 26.4 13.2 39.6

Manual Integrations

APPROVED

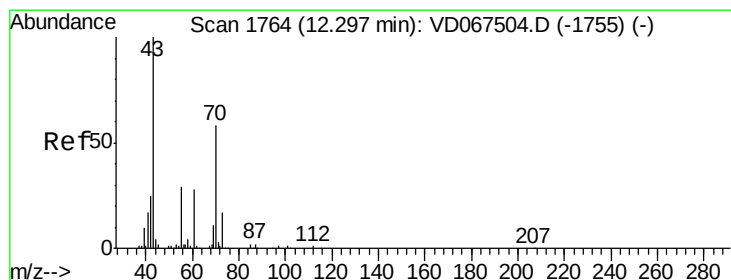
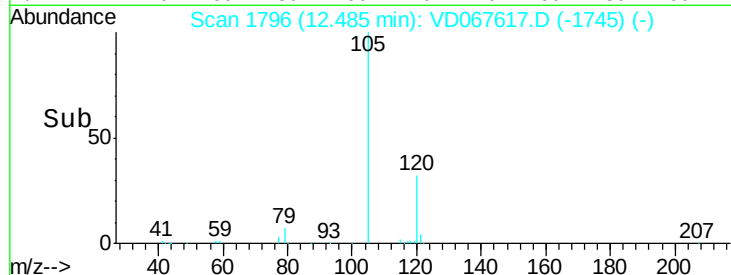
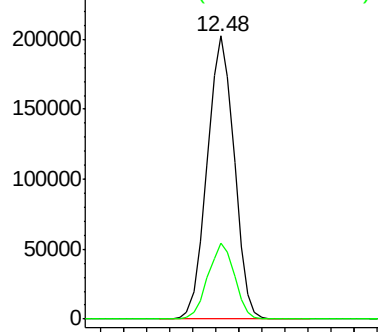
MMDadoda

11/16/2020 2:34:42 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.517 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Tgt Ion: 43 Resp: 42704

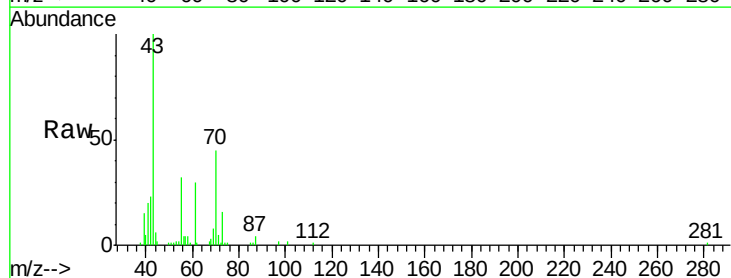
Ion Ratio Lower Upper

43 100

70 52.6 42.6 64.0

55 33.1 23.7 35.5

61 30.4 21.9 32.9

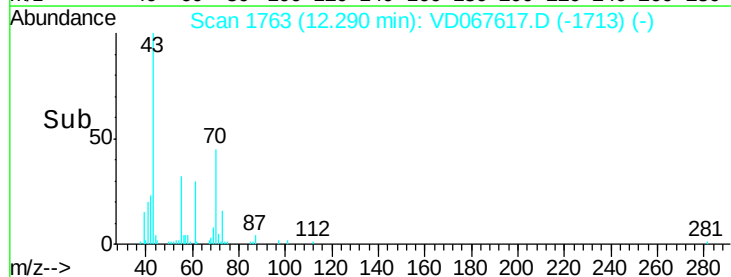
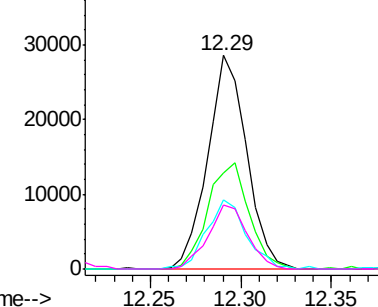


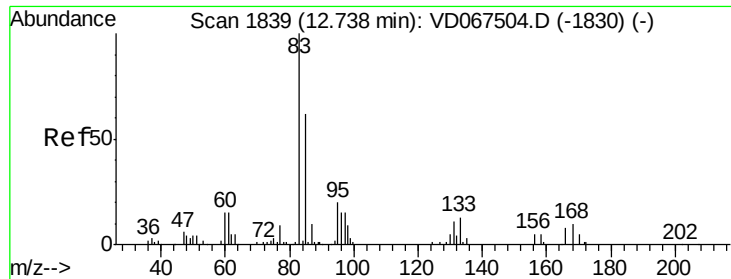
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 23.040 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Instrument :

MSVOA_D

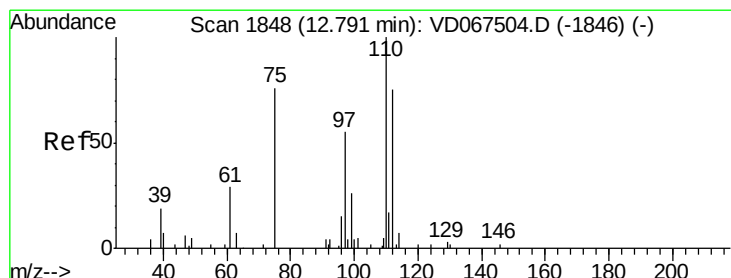
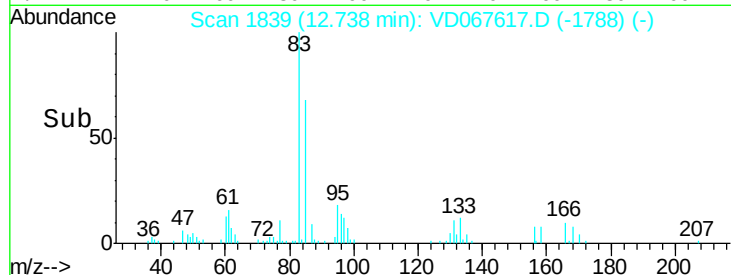
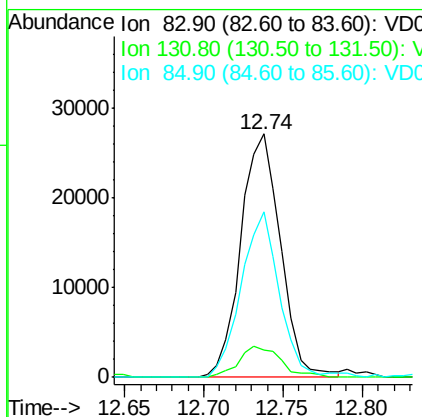
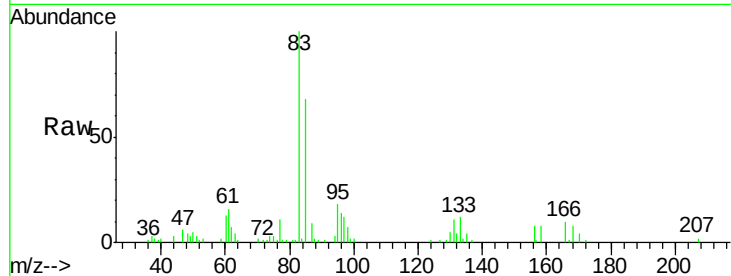
ClientSampleId :

VD1112SBS01

Tot Ion:	83	Resp:	47386
Ion	Ratio	Lower	Upper
83	100		
131	13.7	7.1	21.3
85	64.4	32.9	98.7

Manual Integrations
APPROVED

MMDadoda
11/16/2020 2:34:42 PM



#76

1,2,3-Trichloropropane

Concen: 19.775 ug/l m

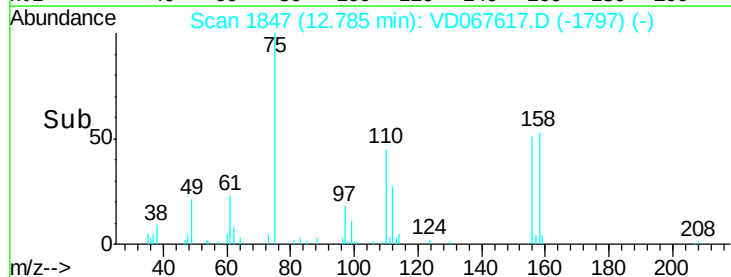
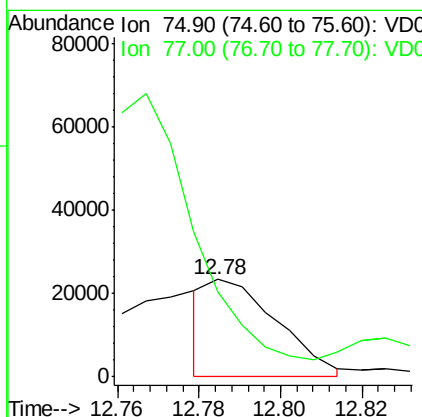
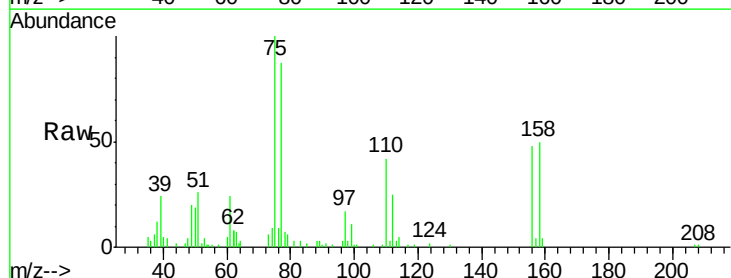
RT: 12.78 min Scan# 1847

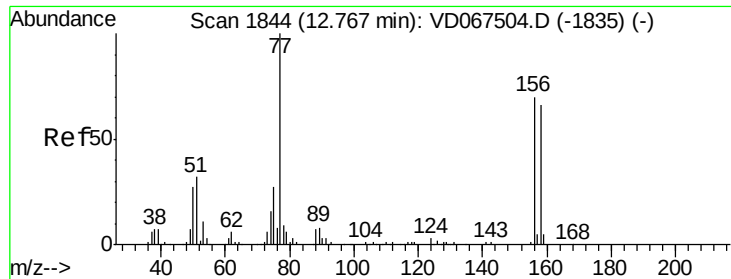
Delta R.T. -0.01 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Tgt Ion:	75	Resp:	27841
Ion	Ratio	Lower	Upper
75	100		
77	455.2	0.0	0.0#





#77

Bromobenzene

Concen: 22.220 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Instrument :

MSVOA_D

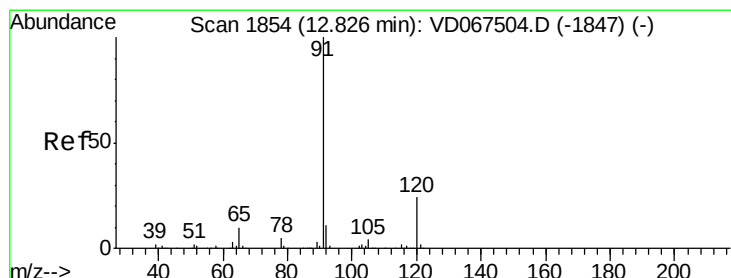
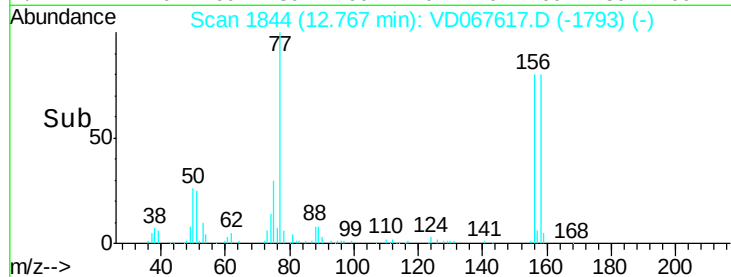
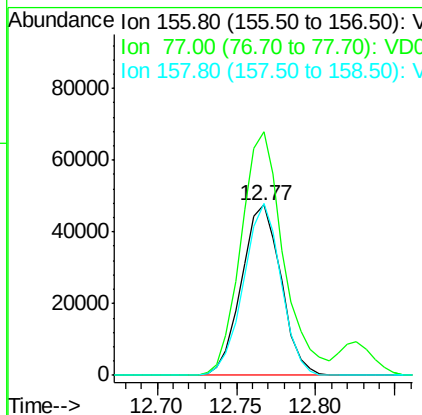
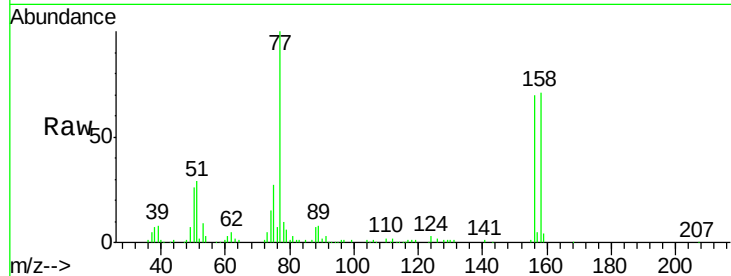
ClientSampleId :

VD1112SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	154.0	77.8	233.5
158	95.9	47.9	143.7

Manual Integrations
APPROVED

MMDadoda
11/16/2020 2:34:42 PM



#78

n-propylbenzene

Concen: 21.795 ug/l

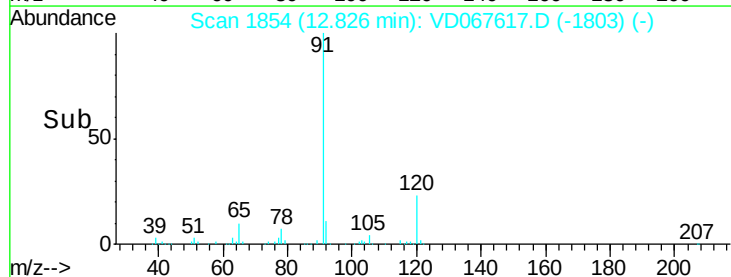
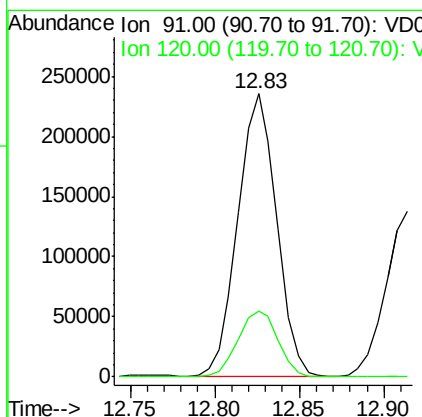
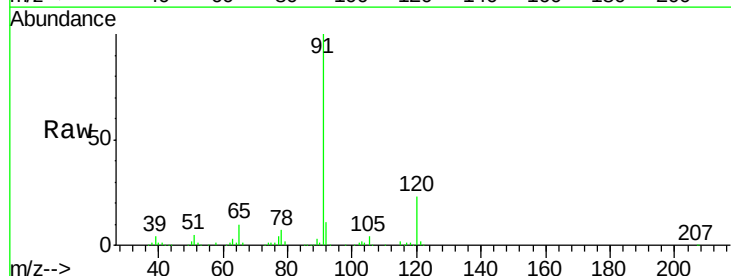
RT: 12.83 min Scan# 1854

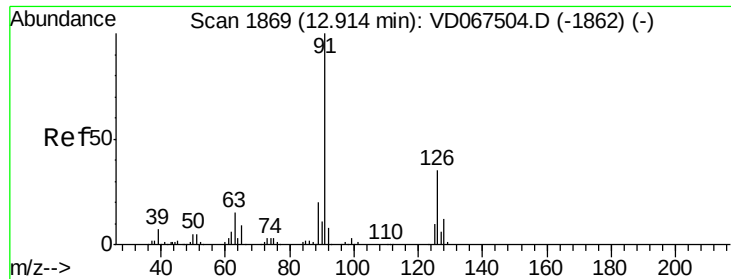
Delta R.T. -0.00 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.0	12.2	36.4





#79

2-Chlorotoluene

Concen: 22.187 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

Tot Ion: 91 Resp: 217434

Ion Ratio Lower Upper

91 100

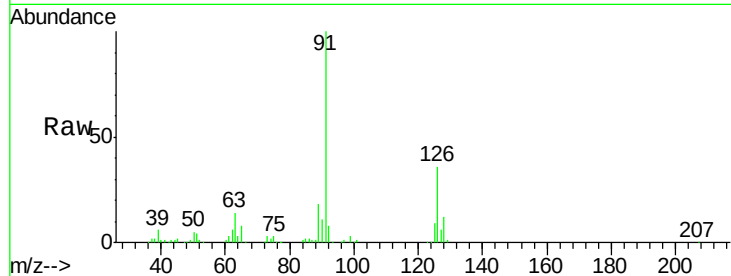
126 36.5 17.8 53.4

Manual Integrations

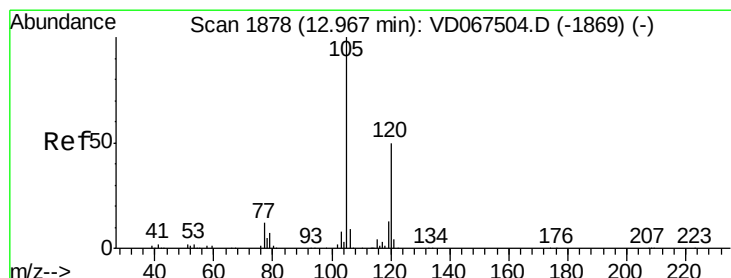
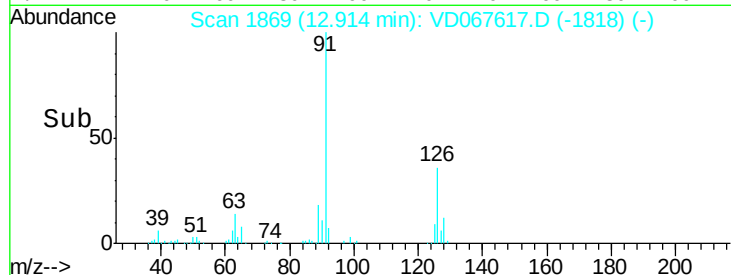
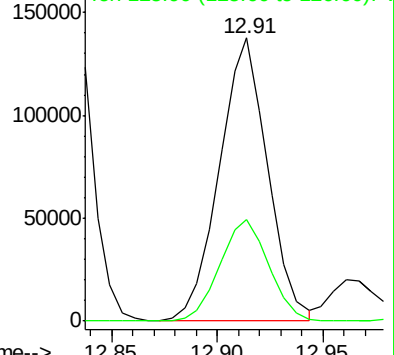
APPROVED

MMDadoda

11/16/2020 2:34:42 PM



Abundance Ion 91.00 (90.70 to 91.70): VD067617.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.149 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.01 min

Lab File: VD067617.D

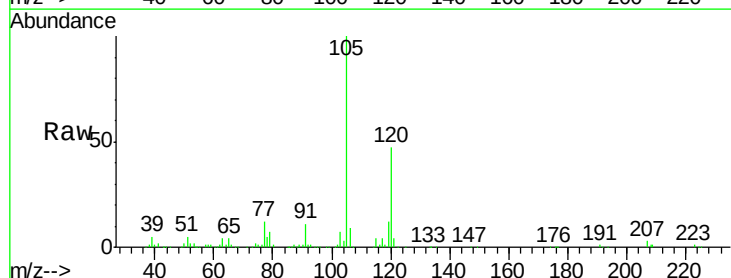
Acq: 12 Nov 2020 12:30

Tgt Ion:105 Resp: 285376

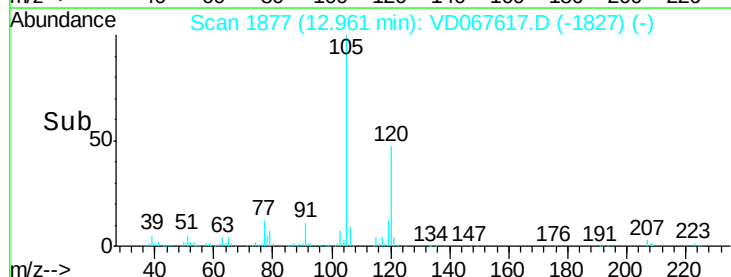
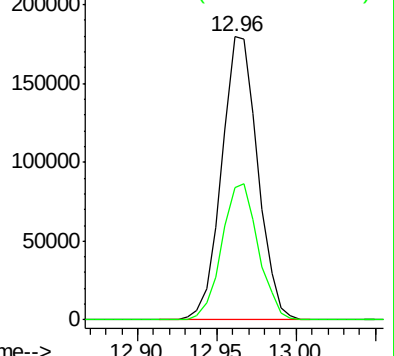
Ion Ratio Lower Upper

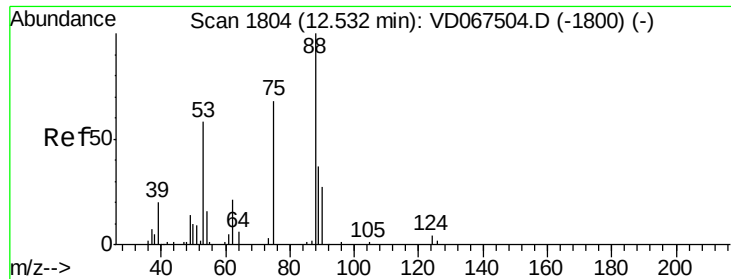
105 100

120 48.5 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VD067617.D (-1827) (-)





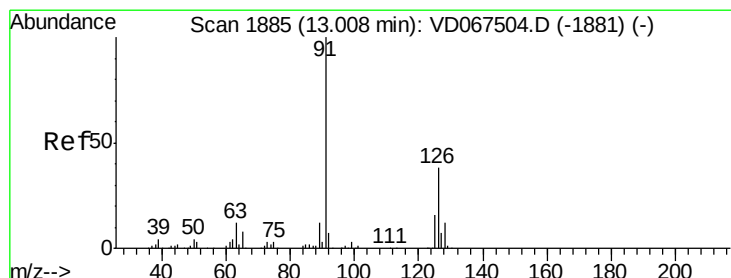
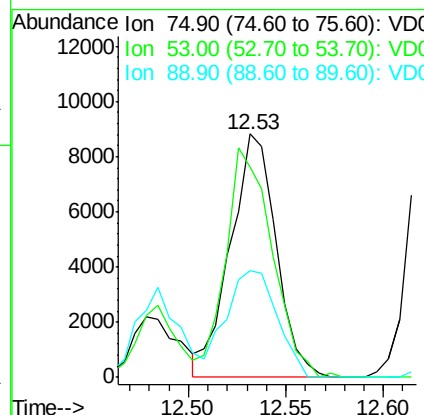
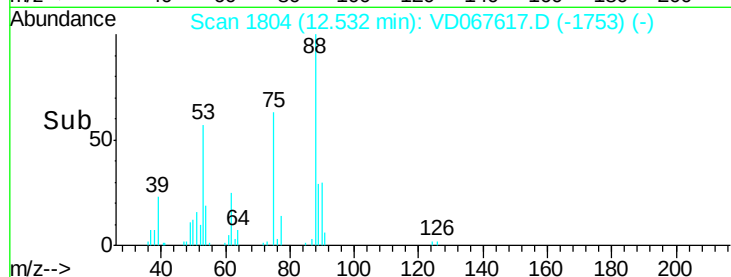
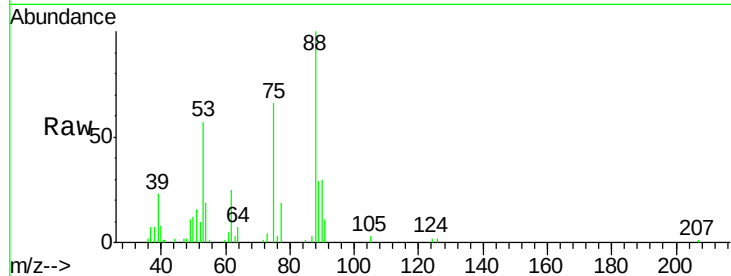
#81
trans-1,4-Dichloro-2-butene
Concen: 20.644 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.0	75.9	113.9
89	49.1	44.6	67.0

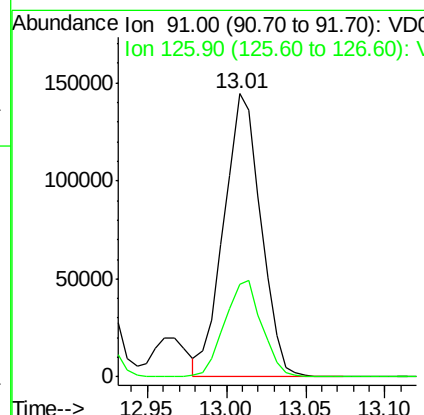
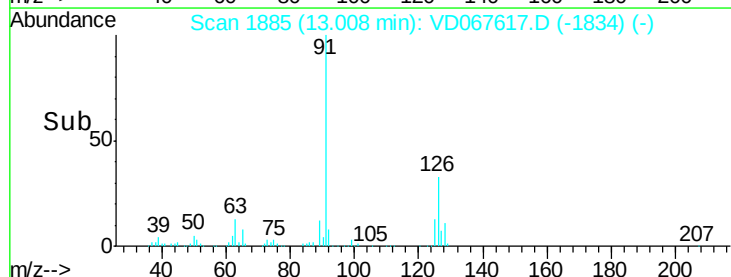
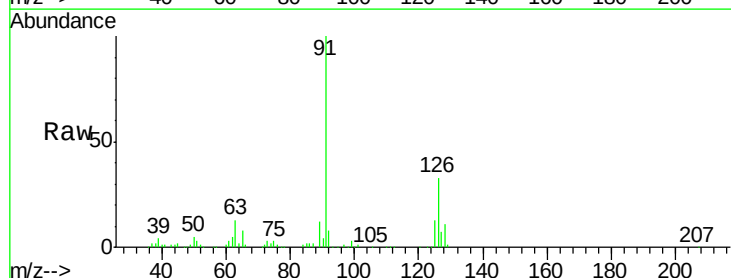
Manual Integrations
APPROVED

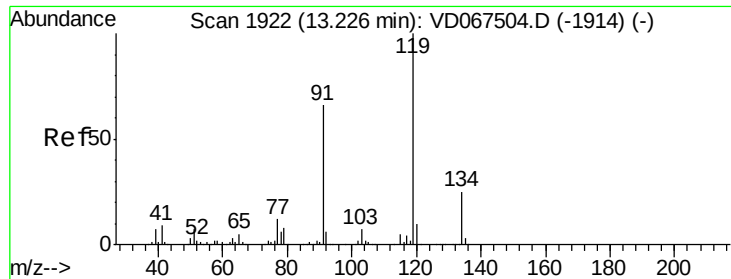
MMDadoda
11/16/2020 2:34:42 PM



#82
4-Chlorotoluene
Concen: 22.344 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.9	53.7





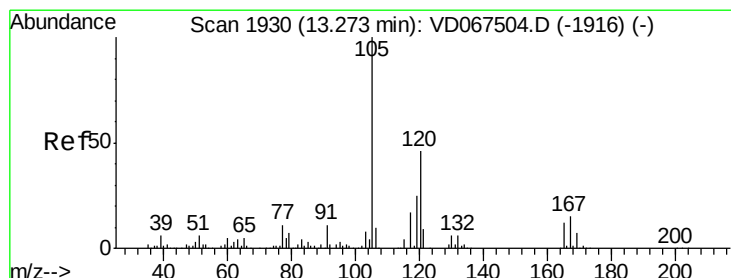
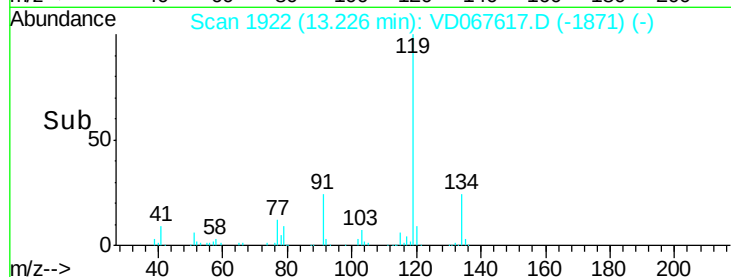
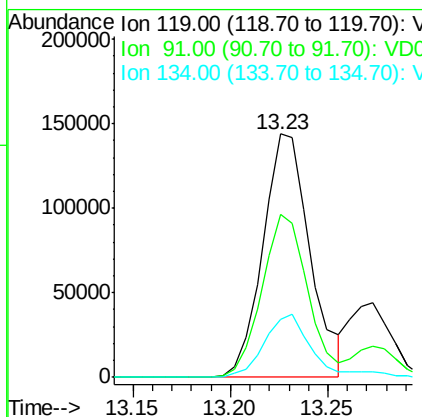
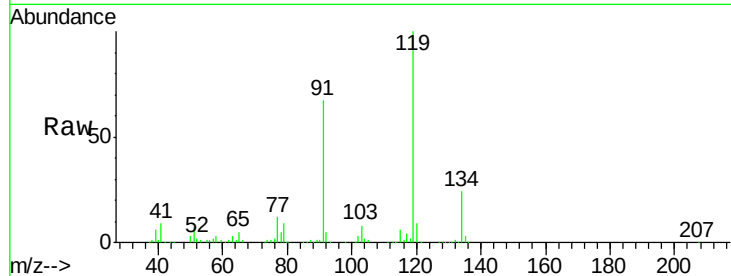
#83
tert-Butylbenzene
Concen: 22.109 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.5	32.7	98.1
134	26.5	13.4	40.2

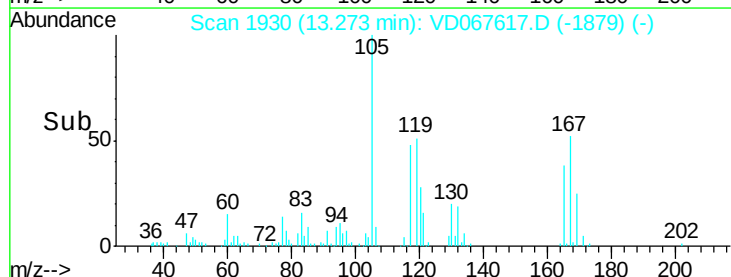
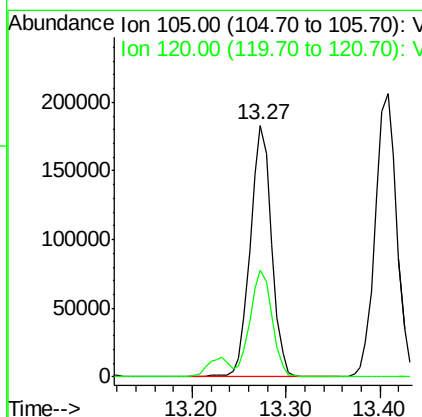
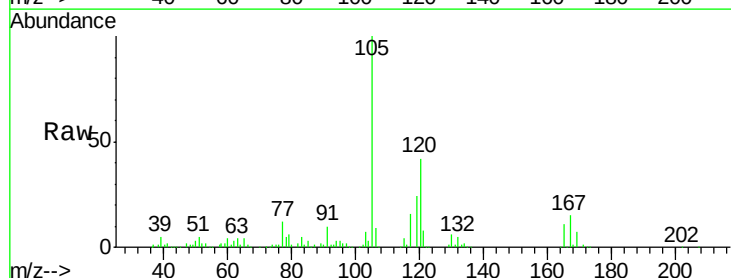
Manual Integrations
APPROVED

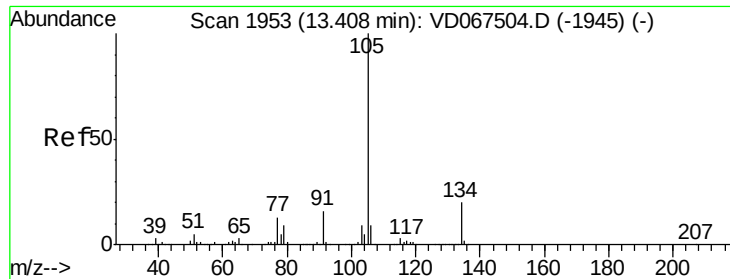
MMDadoda
11/16/2020 2:34:42 PM



#84
1,2,4-Trimethylbenzene
Concen: 22.410 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.1	66.1





#85

sec-Butylbenzene

Concen: 22.144 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

Tot Ion:105 Resp: 326423

Ion Ratio Lower Upper

105 100

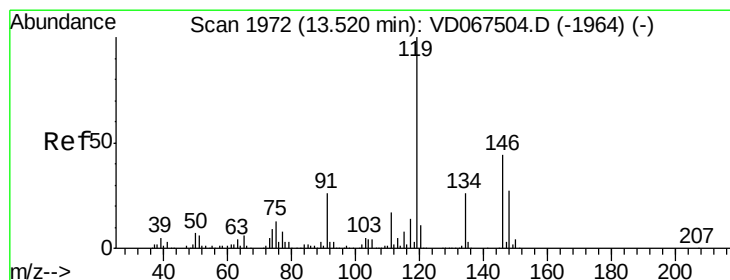
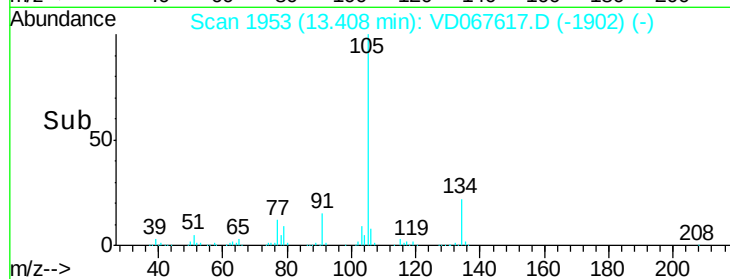
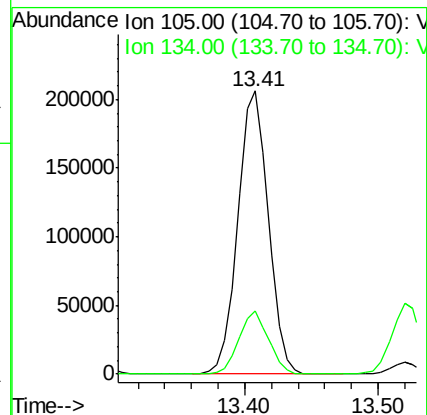
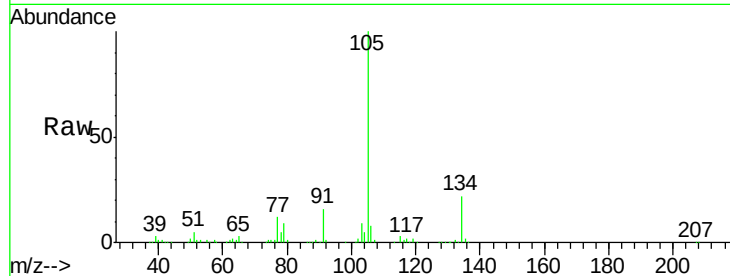
134 21.7 10.4 31.4

Manual Integrations

APPROVED

MMDadoda

11/16/2020 2:34:42 PM



#86

p-Isopropyltoluene

Concen: 21.488 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

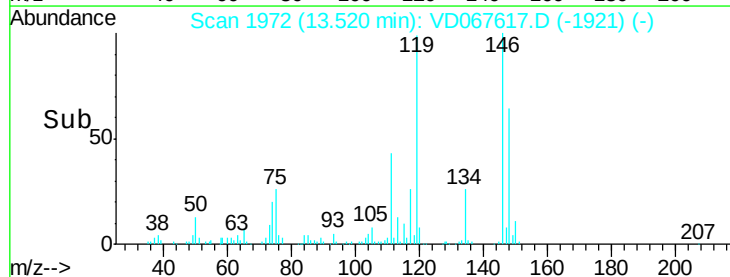
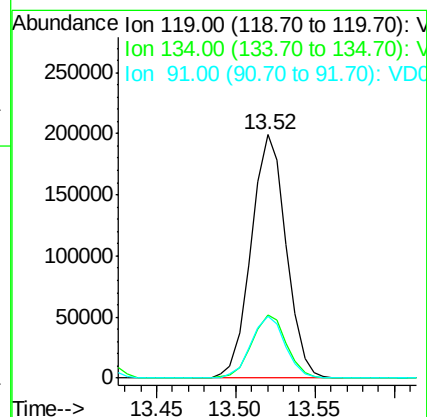
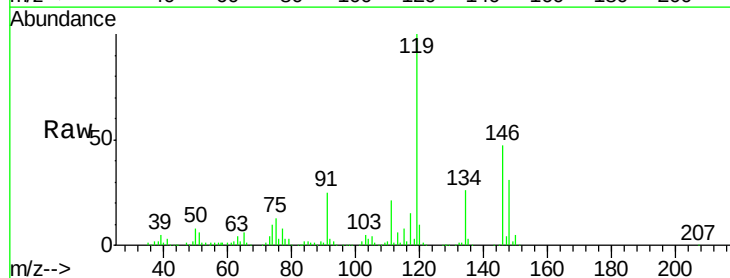
Tgt Ion:119 Resp: 305884

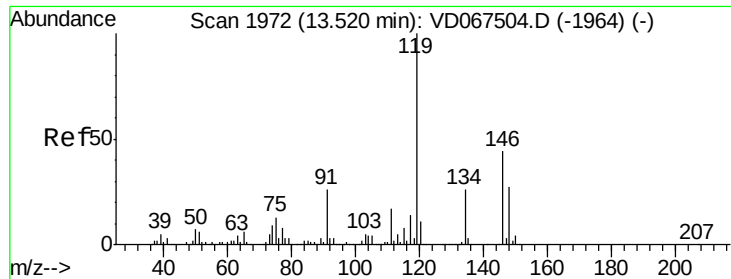
Ion Ratio Lower Upper

119 100

134 25.8 13.1 39.3

91 24.9 12.2 36.4





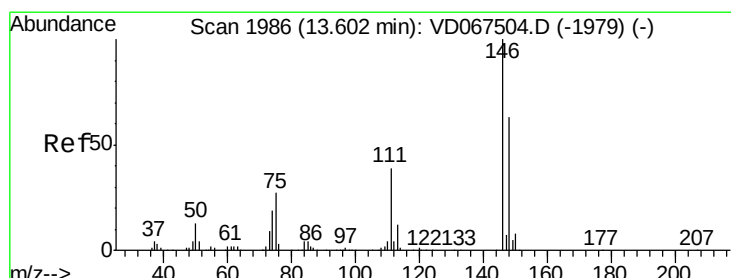
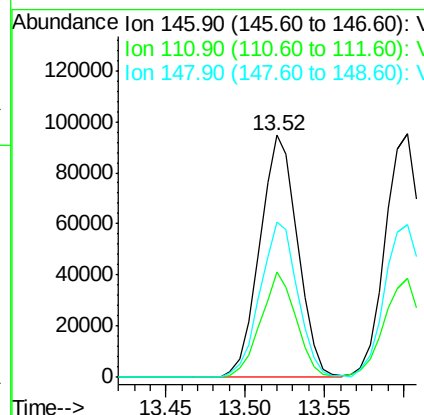
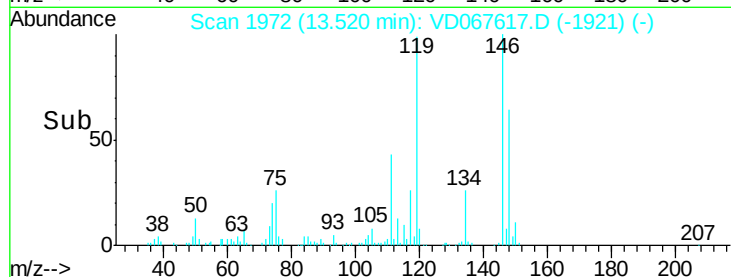
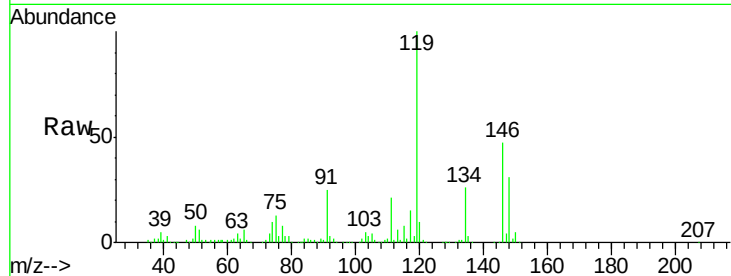
#87
 1,3-Dichlorobenzene
 Concen: 22.232 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067617.D
 Acq: 12 Nov 2020 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.3	60.8
148	63.8	31.9	95.9

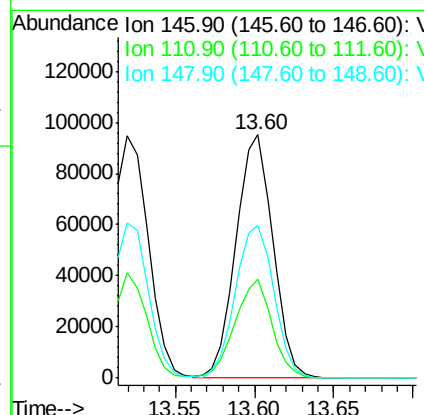
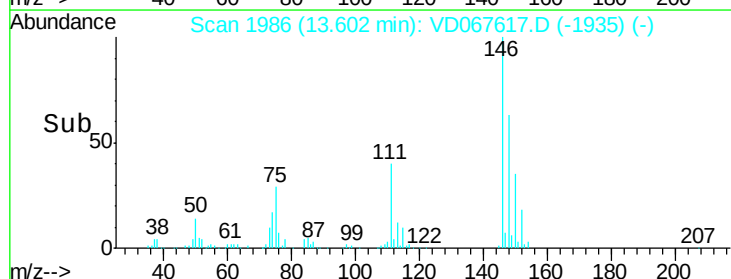
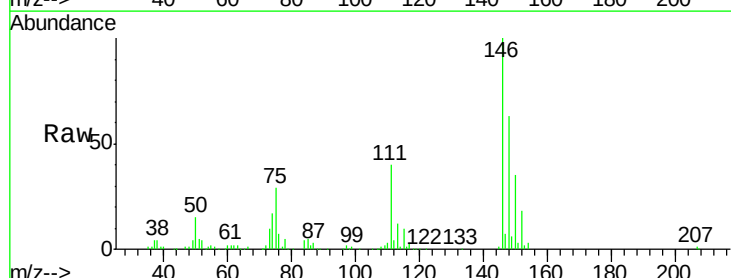
Manual Integrations
 APPROVED

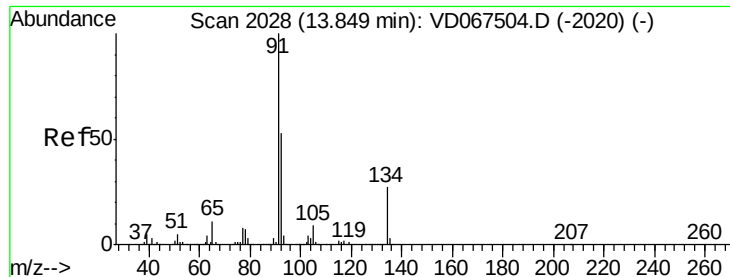
MMDadoda
 11/16/2020 2:34:42 PM



#88
 1,4-Dichlorobenzene
 Concen: 21.514 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD067617.D
 Acq: 12 Nov 2020 12:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	19.6	58.7
148	65.2	31.8	95.4





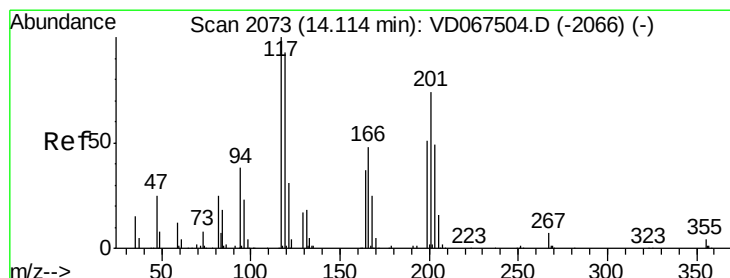
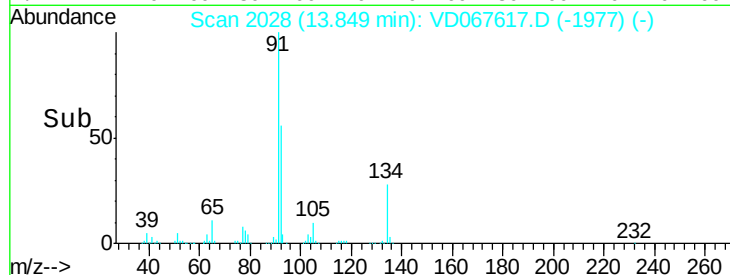
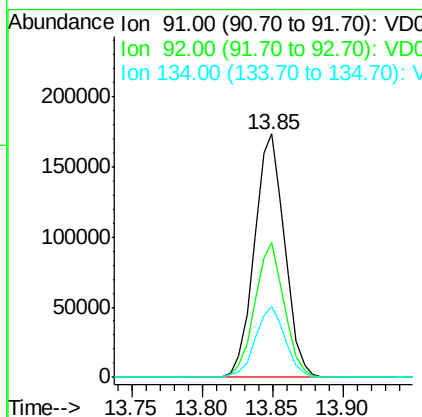
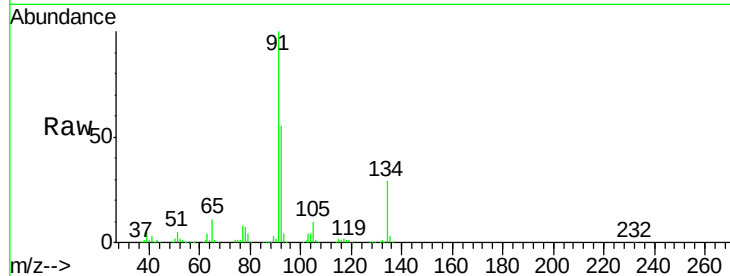
#89
n-Butylbenzene
Concen: 21.213 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.6	79.8
134	28.8	14.1	42.2

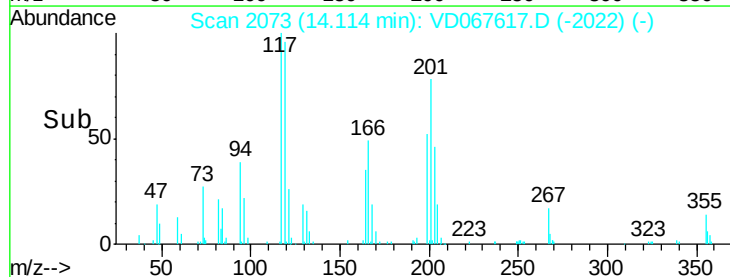
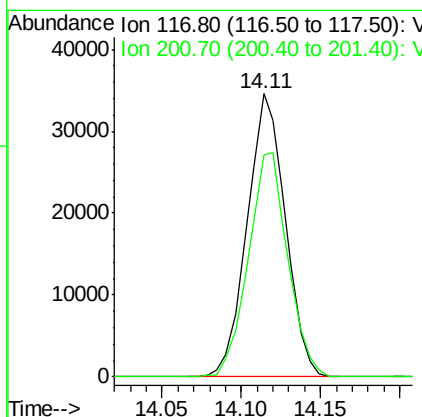
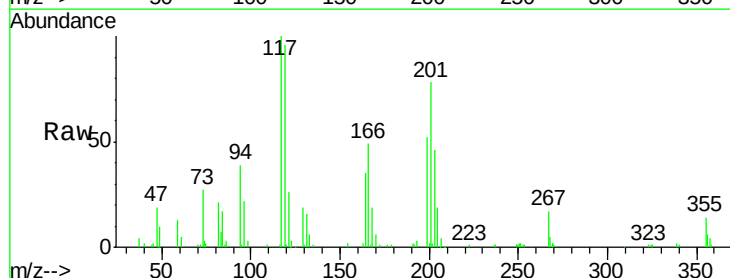
Manual Integrations
APPROVED

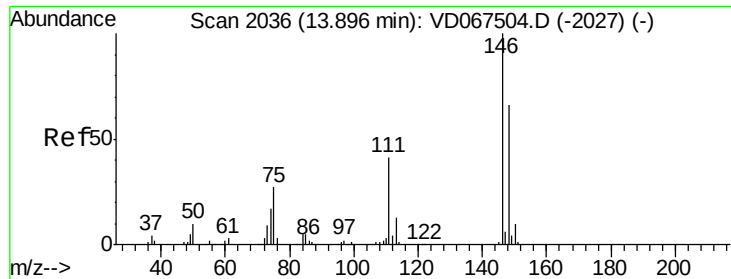
MMDadoda
11/16/2020 2:34:42 PM



#90
Hexachloroethane
Concen: 21.617 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.6	40.7	122.1





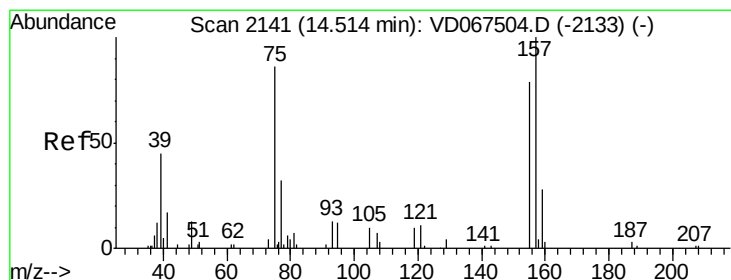
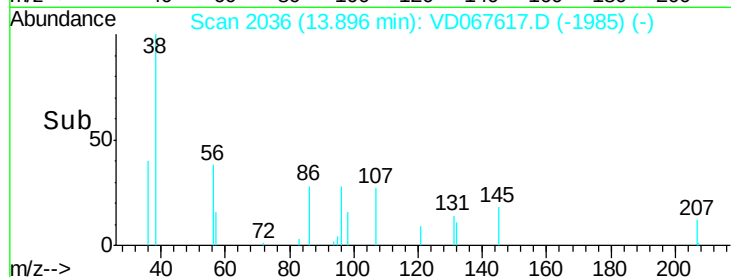
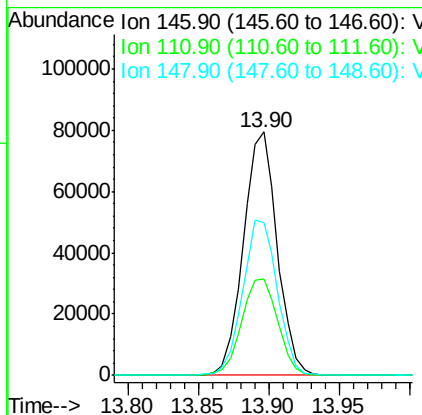
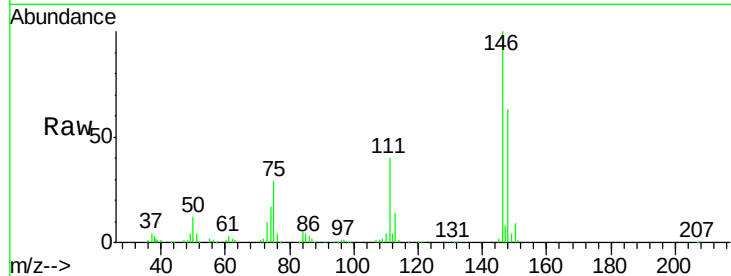
#91
 1,2-Dichlorobenzene
 Concen: 21.717 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD067617.D
 Acq: 12 Nov 2020 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.7	62.1
148	65.5	31.5	94.5

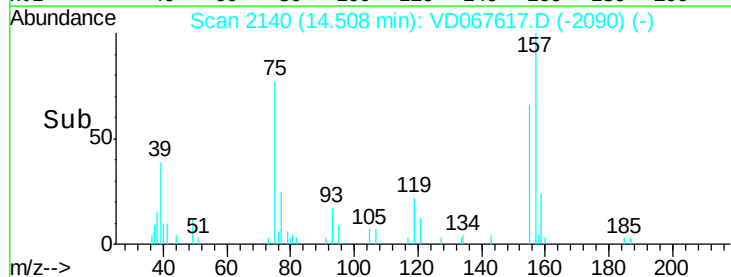
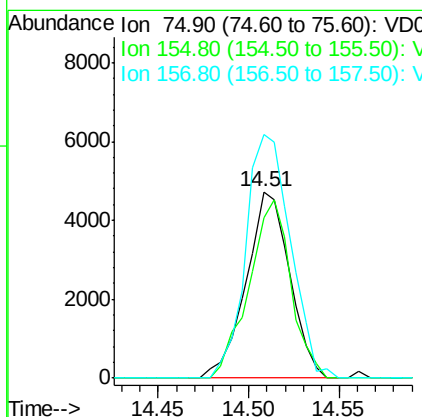
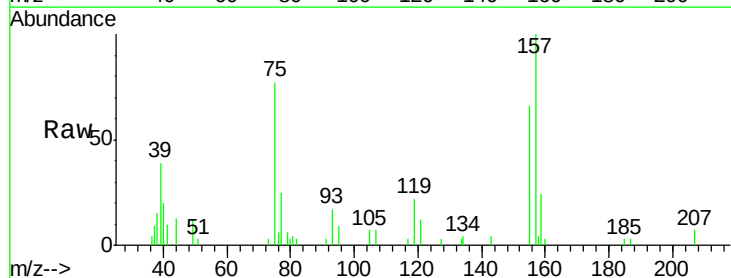
Manual Integrations
 APPROVED

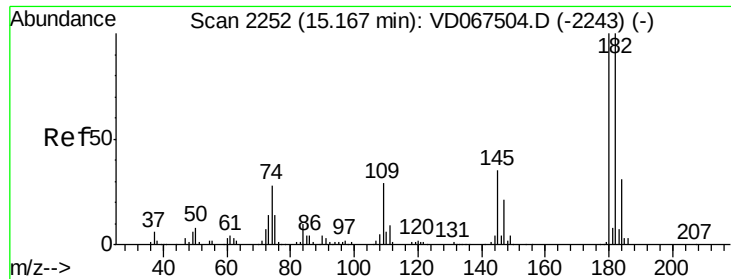
MMDadoda
 11/16/2020 2:34:42 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.645 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067617.D
 Acq: 12 Nov 2020 12:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.9	46.6	139.8
157	134.0	58.1	174.2





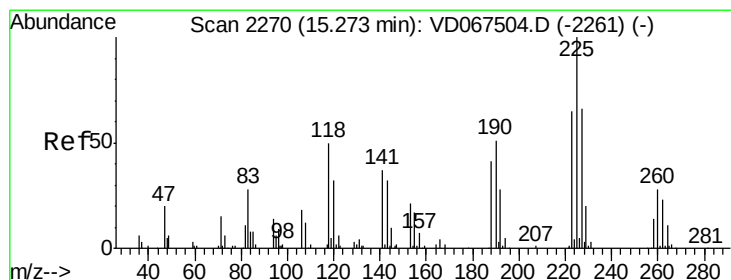
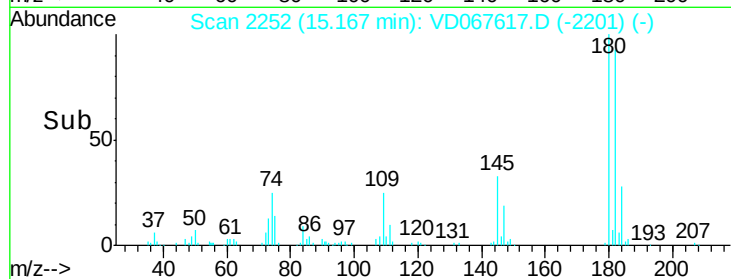
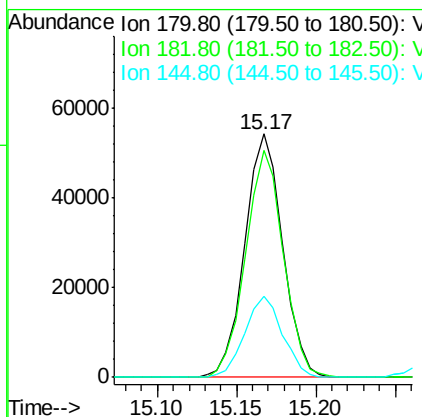
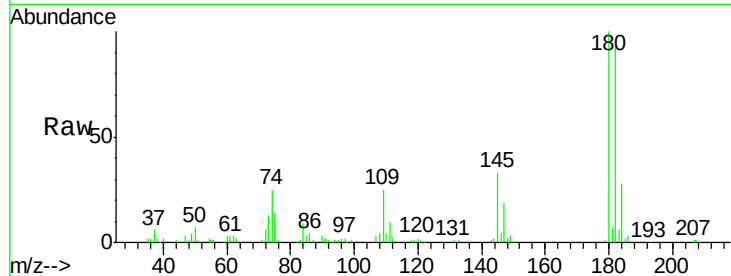
#93
1,2,4-Trichlorobenzene
Concen: 21.723 ug/l
RT: 15.17 min Scan# 2252
Delta R.T. -0.00 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.2	47.4	142.3	
145	33.1	16.2	48.6	

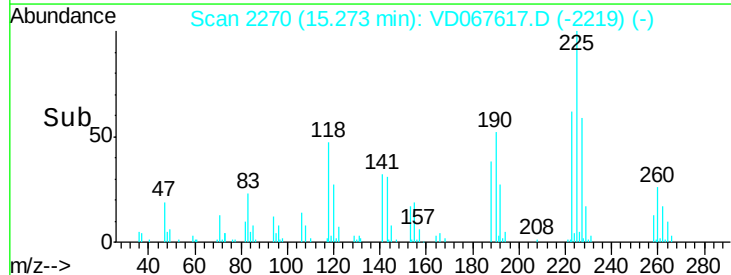
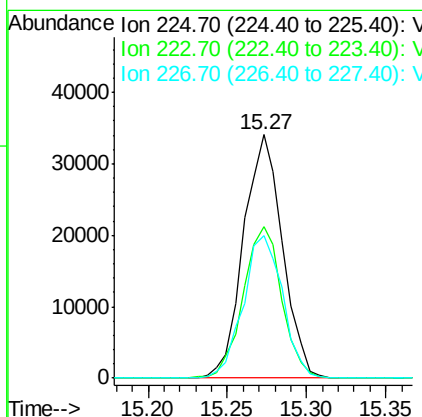
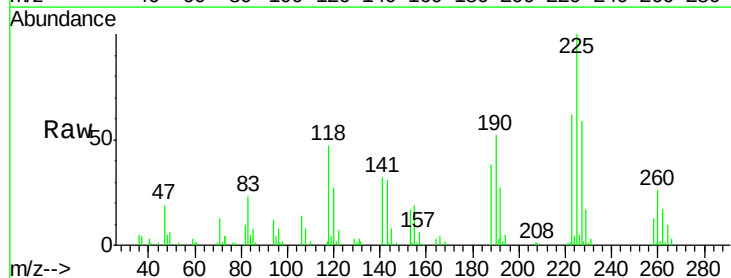
Manual Integrations
APPROVED

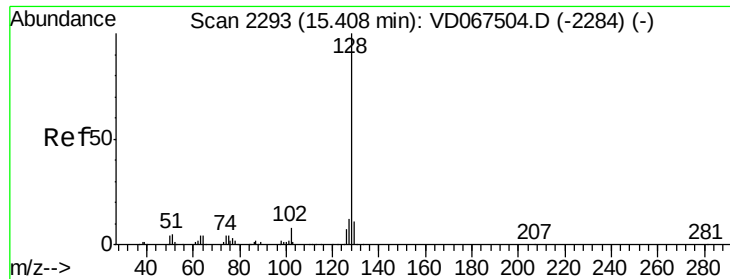
MMDadoda
11/16/2020 2:34:42 PM



#94
Hexachlorobutadiene
Concen: 20.945 ug/l
RT: 15.27 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VD067617.D
Acq: 12 Nov 2020 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.7	31.9	95.5	
227	59.3	32.5	97.4	





#95

Naphthalene

Concen: 21.293 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Instrument :

MSVOA_D

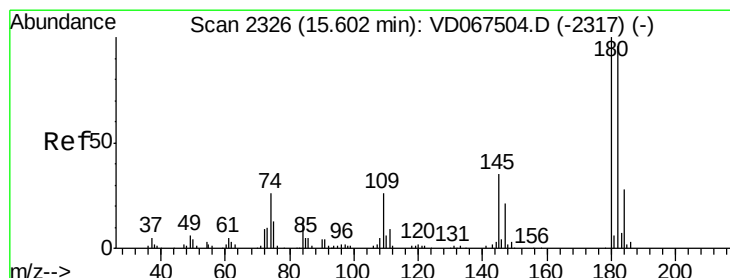
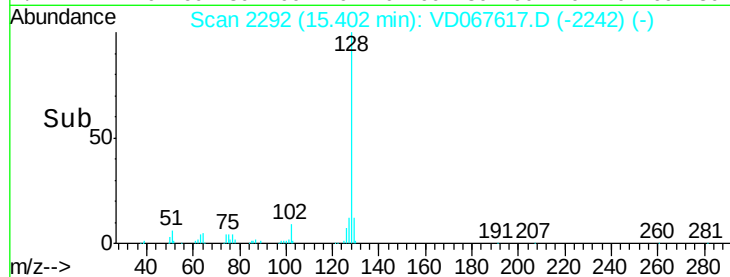
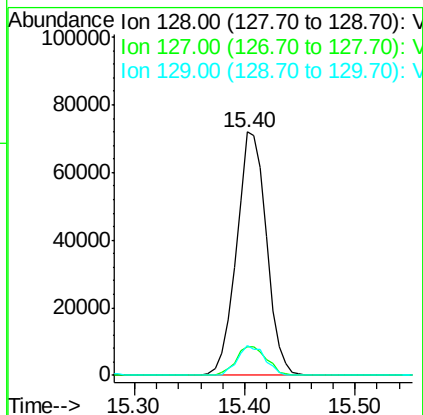
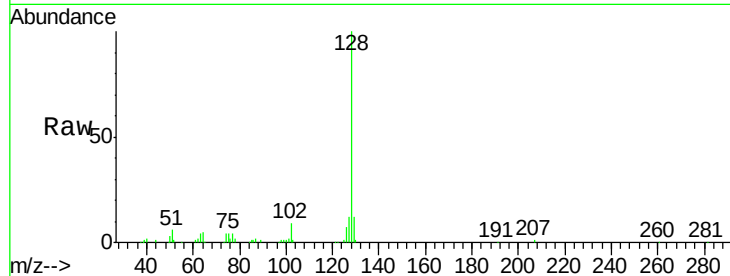
ClientSampleId :

VD1112SBS01

Tot Ion:	128	Resp:	136429
Ion Ratio	Lower	Upper	
128	100		
127	12.3	10.2	15.4
129	11.3	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
11/16/2020 2:34:42 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.262 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD067617.D

Acq: 12 Nov 2020 12:30

Tgt Ion:	180	Resp:	75592
Ion Ratio	Lower	Upper	
180	100		
182	96.1	46.9	140.8
145	32.1	17.1	51.2

