

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110620\
 Data File : VD067550.D
 Acq On : 06 Nov 2020 14:11
 Operator : VA/SY
 Sample : VD1106SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1106SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/9/2020 10:13:26 AM

Quant Time: Nov 06 23:55:33 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	291128	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	440703	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	398629	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	199558	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	127766	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	
35) Dibromofluoromethane	7.91	113	127503	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	
50) Toluene-d8	10.34	98	438847	47.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.06%	
62) 4-Bromofluorobenzene	12.64	95	158231	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	59191	22.627	ug/l	99
3) Chloromethane	2.21	50	38921	21.469	ug/l	95
4) Vinyl Chloride	2.35	62	42070	20.814	ug/l	97
5) Bromomethane	2.76	94	35517	21.680	ug/l	89
6) Chloroethane	2.91	64	25791	20.697	ug/l	92
7) Trichlorofluoromethane	3.27	101	108418	20.716	ug/l	88
8) Diethyl Ether	3.71	74	23237	22.035	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	56110	21.240	ug/l	97
10) Methyl Iodide	4.30	142	52895	18.682	ug/l #	96
11) Tert butyl alcohol	5.21	59	17072	147.329	ug/l	98
12) 1,1-Dichloroethene	4.07	96	51491	21.191	ug/l	97
13) Acrolein	3.92	56	6073	76.006	ug/l	99
14) Allyl chloride	4.71	41	53397	20.533	ug/l	98
15) Acrylonitrile	5.41	53	46030	118.082	ug/l	98
16) Acetone	4.16	43	37379	98.125	ug/l	92
17) Carbon Disulfide	4.40	76	153724	20.646	ug/l #	95
18) Methyl Acetate	4.70	43	20425	25.947	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	109311	22.806	ug/l	95
20) Methylene Chloride	4.96	84	69858	25.961	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	60477	21.369	ug/l	96
22) Diisopropyl ether	6.36	45	115614	22.813	ug/l	96
23) Vinyl Acetate	6.31	43	296814	111.888	ug/l	98
24) 1,1-Dichloroethane	6.26	63	89097	21.490	ug/l	94
25) 2-Butanone	7.21	43	46175	113.441	ug/l	92
26) 2,2-Dichloropropane	7.21	77	91325	20.871	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	63766	21.707	ug/l	98
28) Bromochloromethane	7.54	49	29941	20.303	ug/l	99
29) Tetrahydrofuran	7.57	42	29510	121.033	ug/l	99
30) Chloroform	7.71	83	112512	22.747	ug/l	99
31) Cyclohexane	7.99	56	71551	19.380	ug/l #	84
32) 1,1,1-Trichloroethane	7.90	97	111284	21.806	ug/l	99
36) 1,1-Dichloropropene	8.11	75	75991	20.144	ug/l	98
37) Ethyl Acetate	7.29	43	22166	22.633	ug/l #	75
38) Carbon Tetrachloride	8.10	117	104459	21.312	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110620\
 Data File : VD067550.D
 Acq On : 06 Nov 2020 14:11
 Operator : VA/SY
 Sample : VD1106SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1106SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/9/2020 10:13:26 AM

Quant Time: Nov 06 23:55:33 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	84814	19.102	ug/l	97
40) Benzene	8.35	78	218241	21.358	ug/l	97
41) Methacrylonitrile	7.52	41	9309	15.902	ug/l #	69
42) 1,2-Dichloroethane	8.43	62	70266	22.256	ug/l	100
43) Isopropyl Acetate	8.45	43	43766	22.596	ug/l	99
44) Trichloroethene	9.11	130	70342	20.936	ug/l	98
45) 1,2-Dichloropropane	9.39	63	49232	22.284	ug/l	95
46) Dibromomethane	9.48	93	30890	21.990	ug/l	96
47) Bromodichloromethane	9.67	83	84306	22.081	ug/l	100
48) Methyl methacrylate	9.46	41	22485	22.484	ug/l	99
49) 1,4-Dioxane	9.47	88	6336	444.308	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	107875	116.455	ug/l	95
52) Toluene	10.41	92	153705	22.458	ug/l	96
53) t-1,3-Dichloropropene	10.62	75	75206	22.999	ug/l	93
54) cis-1,3-Dichloropropene	10.10	75	82663	21.277	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	41561	22.361	ug/l	96
56) Ethyl methacrylate	10.67	69	41383	21.561	ug/l	99
57) 1,3-Dichloropropane	10.96	76	68384	22.864	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	102488	114.506	ug/l	99
59) 2-Hexanone	10.99	43	71968	111.115	ug/l	98
60) Dibromochloromethane	11.14	129	64671	23.522	ug/l	99
61) 1,2-Dibromoethane	11.25	107	41881	22.452	ug/l	99
64) Tetrachloroethene	10.88	164	64362	21.801	ug/l	92
65) Chlorobenzene	11.67	112	165955	21.612	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	67755	22.388	ug/l	99
67) Ethyl Benzene	11.75	91	289042	21.998	ug/l	98
68) m/p-Xylenes	11.86	106	222693	43.563	ug/l	100
69) o-Xylene	12.19	106	101269	22.188	ug/l	98
70) Styrene	12.20	104	176114	22.144	ug/l	99
71) Bromoform	12.36	173	36215	23.463	ug/l #	98
73) Isopropylbenzene	12.48	105	277556	21.521	ug/l	100
74) N-amyl acetate	12.30	43	36982	21.792	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	39889	22.681	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	25278m	20.998	ug/l	
77) Bromobenzene	12.77	156	68029	21.478	ug/l	96
78) n-propylbenzene	12.83	91	315963	21.418	ug/l	99
79) 2-Chlorotoluene	12.91	91	183257	21.869	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	243018	22.058	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	12886	21.732	ug/l	95
82) 4-Chlorotoluene	13.01	91	196811	21.898	ug/l	99
83) tert-Butylbenzene	13.23	119	200423	21.465	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	237844	21.688	ug/l	100
85) sec-Butylbenzene	13.41	105	270972	21.497	ug/l	100
86) p-Isopropyltoluene	13.52	119	255332	20.977	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	134989	22.335	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	135614	22.160	ug/l	99
89) n-Butylbenzene	13.85	91	215256	20.474	ug/l	99
90) Hexachloroethane	14.11	117	47756	20.834	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	115068	21.999	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7868	25.268	ug/l	93

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD110620\
Data File : VD067550.D
Acq On : 06 Nov 2020 14:11
Operator : VA/SY
Sample : VD1106SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1106SBSD01

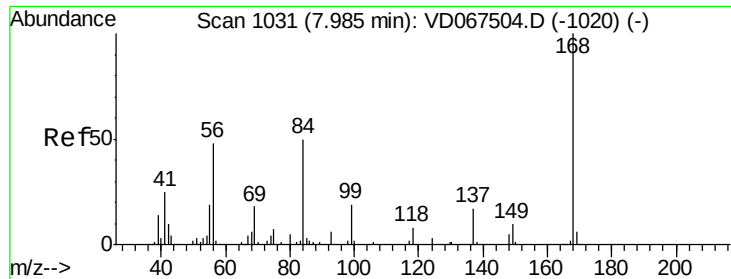
Manual Integrations
APPROVED

MMDadoda
11/9/2020 10:13:26 AM

Quant Time: Nov 06 23:55:33 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	78913	22.228	ug/l	96
94) Hexachlorobutadiene	15.27	225	48617	20.462	ug/l	98
95) Naphthalene	15.40	128	128512	23.456	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	67359	22.157	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD1106SBSD01

Tot Ion:168 Resp: 291128

Ion Ratio Lower Upper

168 100

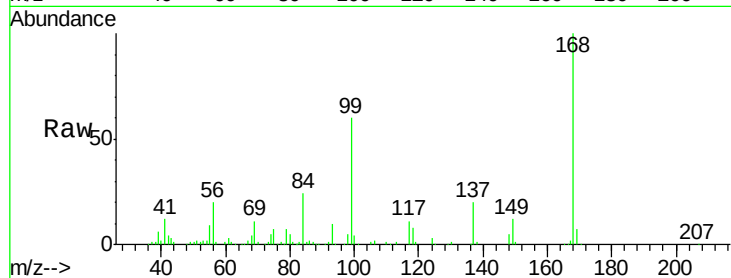
99 59.6 45.0 67.6

Manual Integrations

APPROVED

MMDadoda

11/9/2020 10:13:26 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

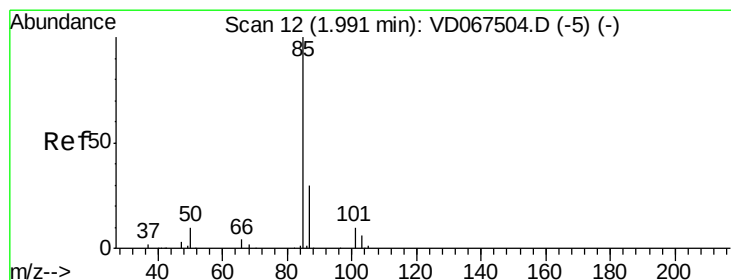
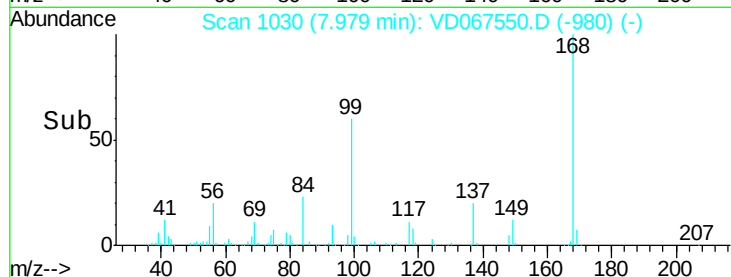
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.627 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067550.D

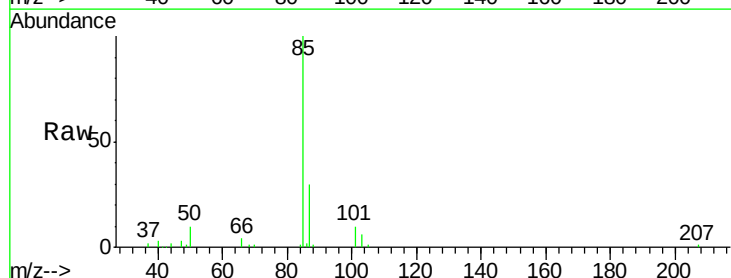
Acq: 06 Nov 2020 14:11

Tgt Ion: 85 Resp: 59191

Ion Ratio Lower Upper

85 100

87 30.2 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

50000

40000

30000

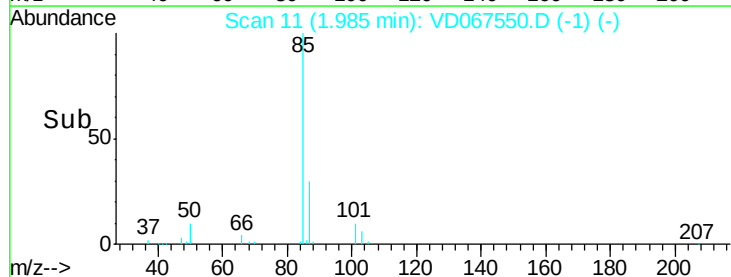
20000

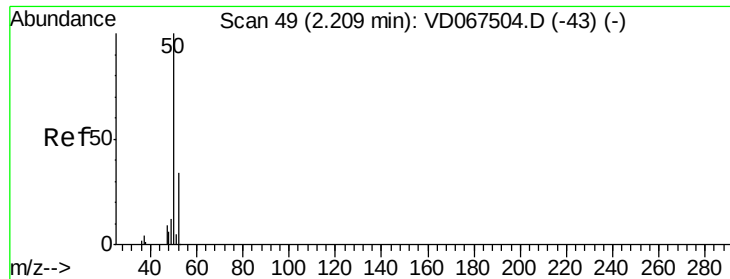
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 21.469 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD1106SBS01

Tot Ion: 50 Resp: 38921

Ion Ratio Lower Upper

50 100

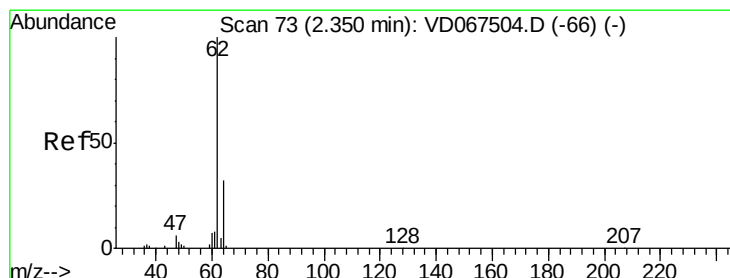
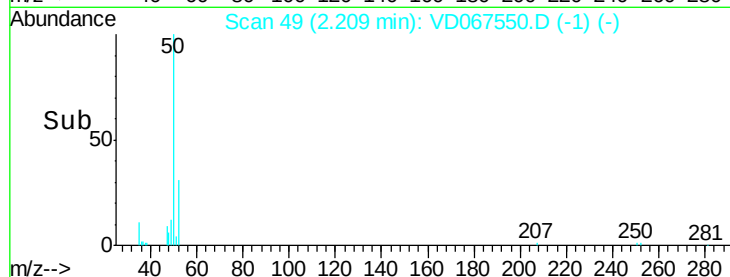
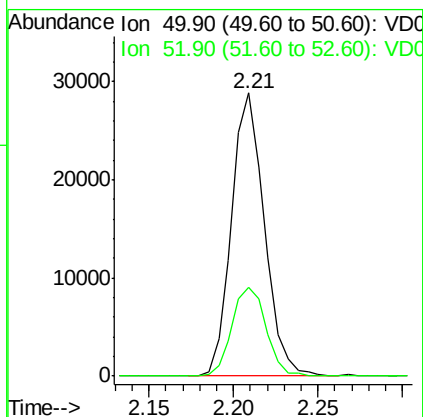
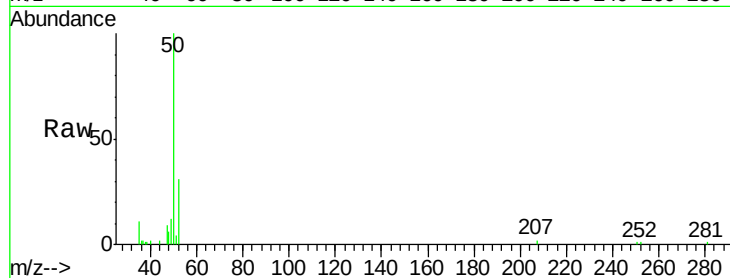
52 31.5 27.3 40.9

Manual Integrations

APPROVED

MMDadoda

11/9/2020 10:13:26 AM



#4

Vinyl Chloride

Concen: 20.814 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067550.D

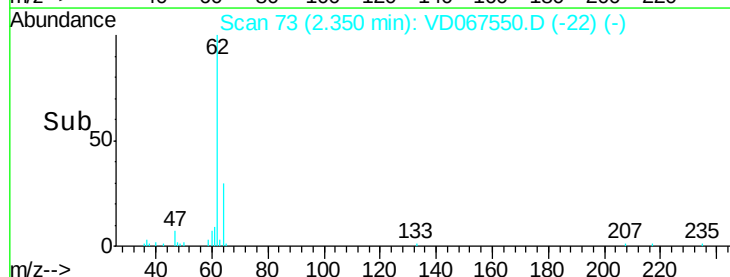
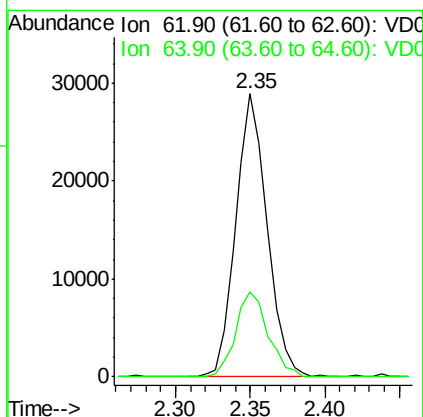
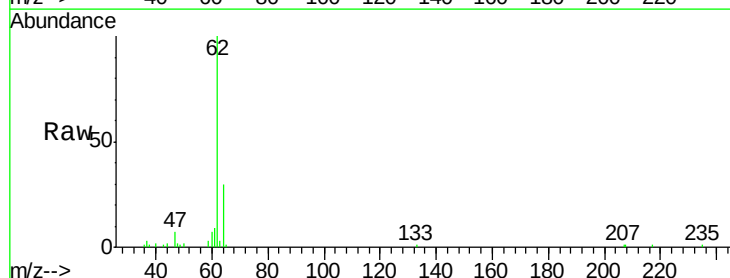
Acq: 06 Nov 2020 14:11

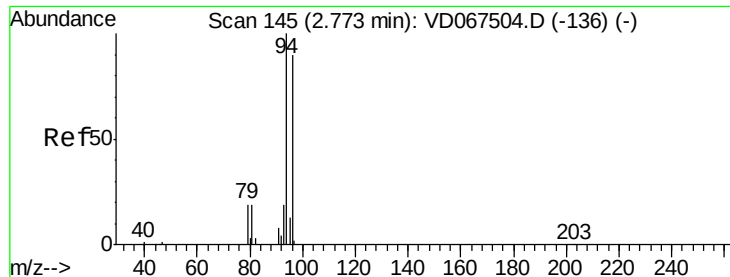
Tgt Ion: 62 Resp: 42070

Ion Ratio Lower Upper

62 100

64 30.2 25.6 38.4





#5

Bromomethane

Concen: 21.680 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD1106SBS01

Tot Ion: 94 Resp: 35517

Ion Ratio Lower Upper

94 100

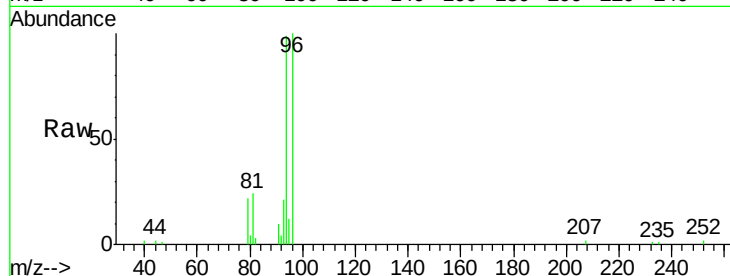
96 100.7 72.2 108.2

Manual Integrations

APPROVED

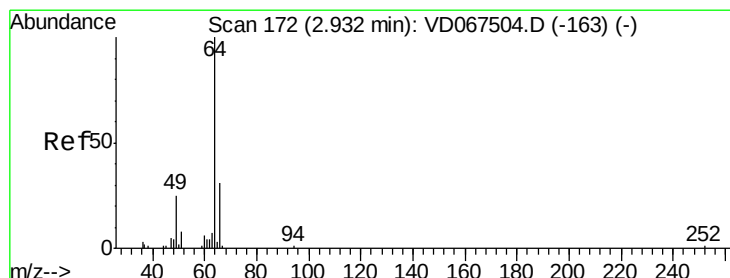
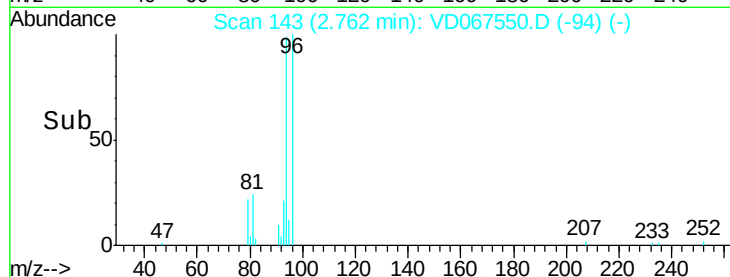
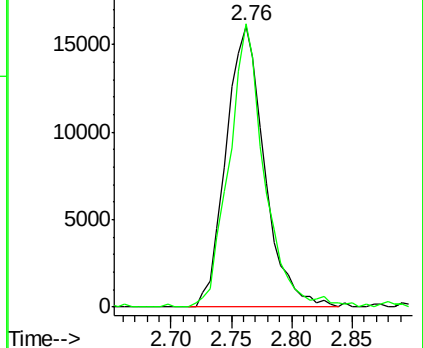
MMDadoda

11/9/2020 10:13:26 AM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.697 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.02 min

Lab File: VD067550.D

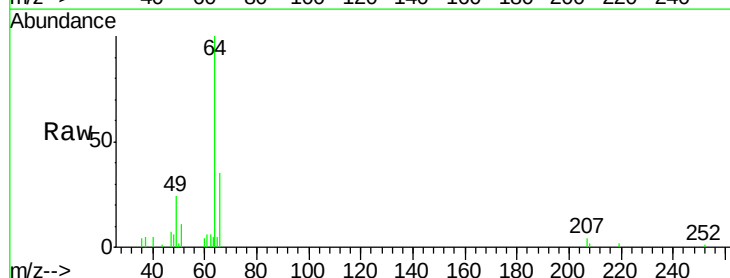
Acq: 06 Nov 2020 14:11

Tgt Ion: 64 Resp: 25791

Ion Ratio Lower Upper

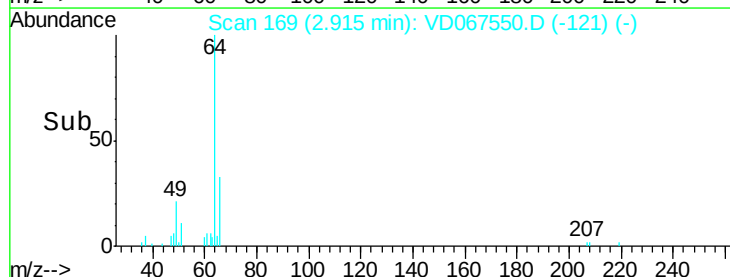
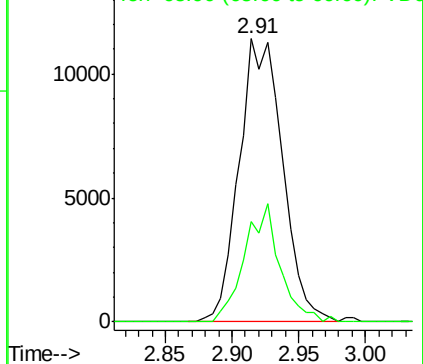
64 100

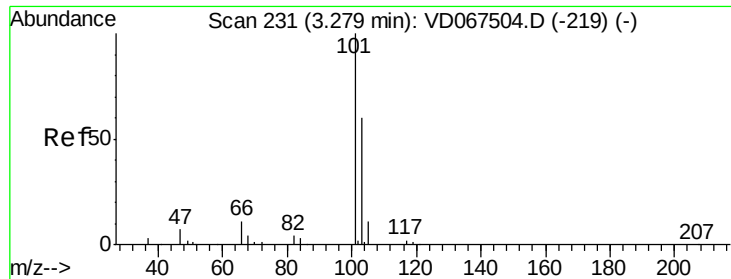
66 35.4 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

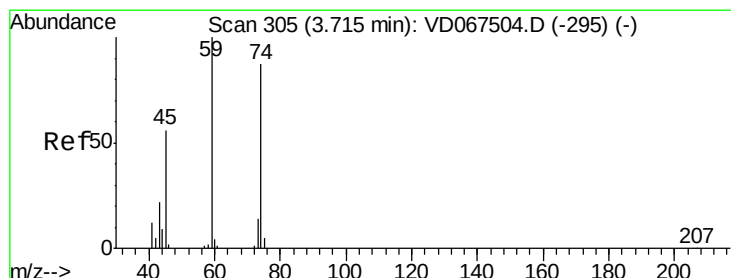
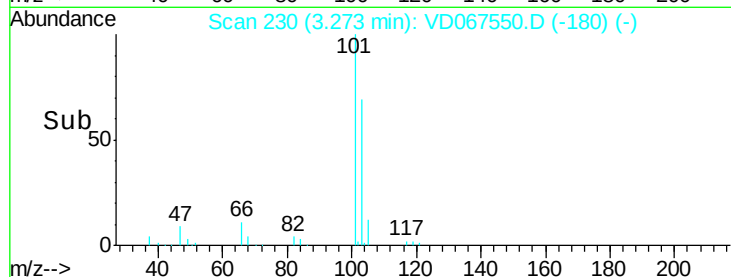
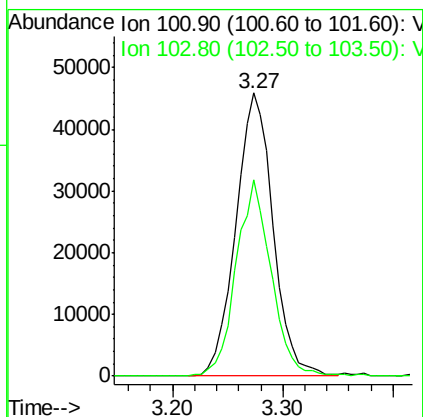
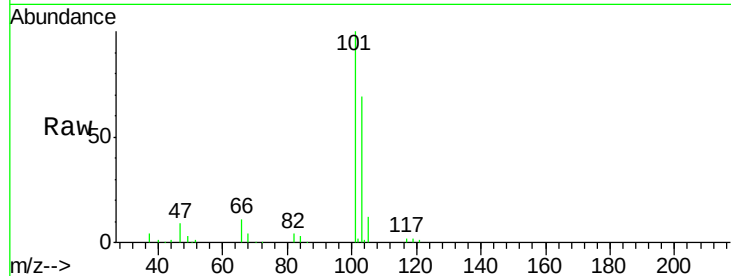
Trichlorofluoromethane
Concen: 20.716 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.01 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

Instrument :
MSVOA_D
ClientSampleId :
VD1106SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	69.5	48.1	72.1

Manual Integrations
APPROVED

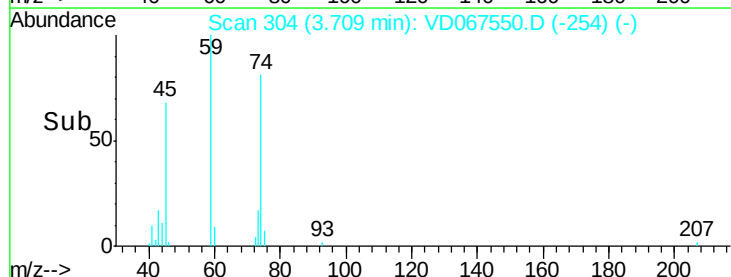
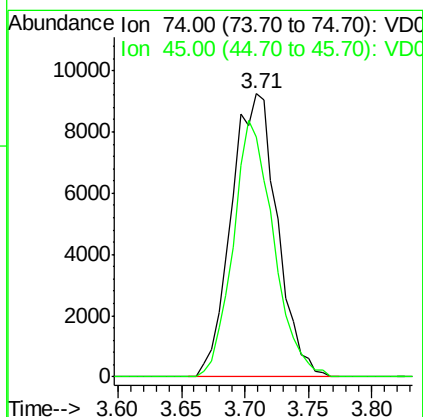
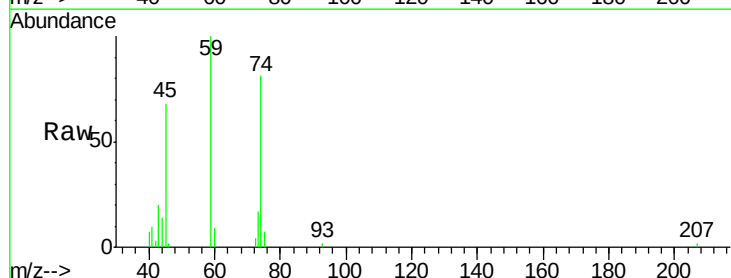
MMDadoda
11/9/2020 10:13:26 AM

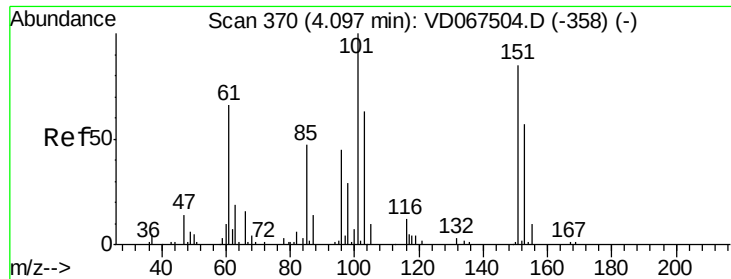


#8

Diethyl Ether
Concen: 22.035 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.01 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	79.7	38.2	114.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.240 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Instrument :

MSVOA_D

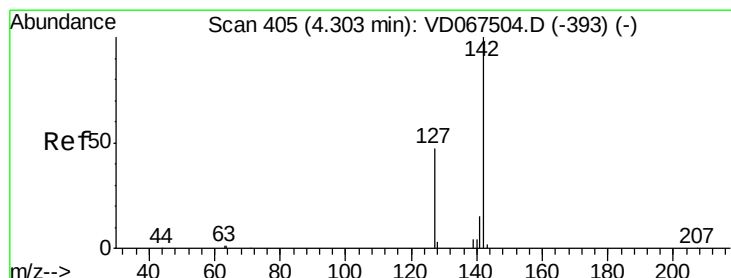
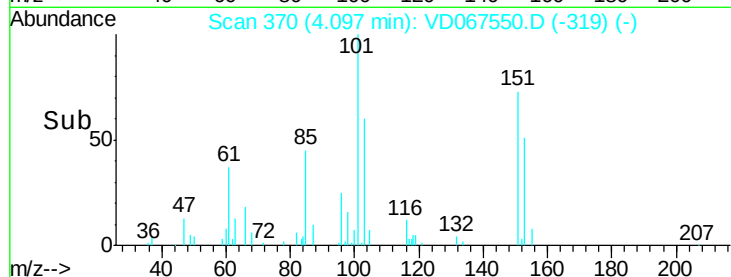
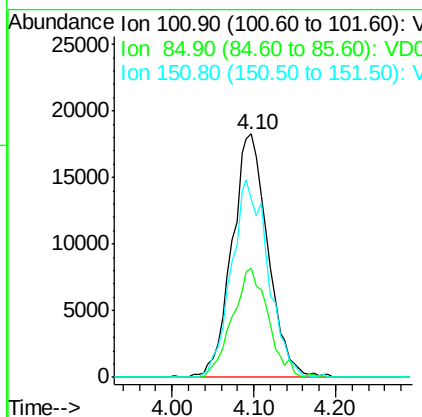
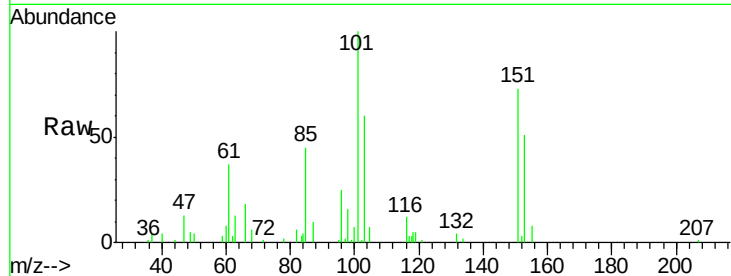
ClientSampleId :

VD1106SBS01

Tot Ion:	101	Resp:	56110
Ion Ratio	Lower	Upper	
101	100		
85	44.1	34.4	51.6
151	82.4	68.1	102.1

Manual Integrations
APPROVED

MMDadoda
11/9/2020 10:13:26 AM



#10

Methyl Iodide

Concen: 18.682 ug/l

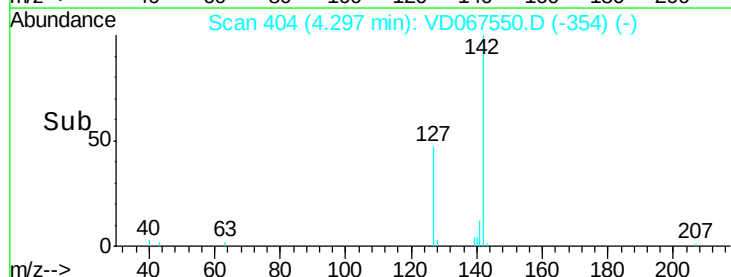
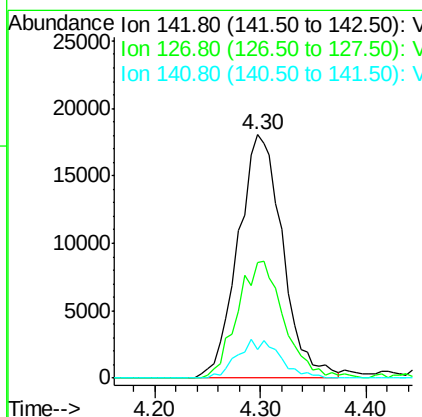
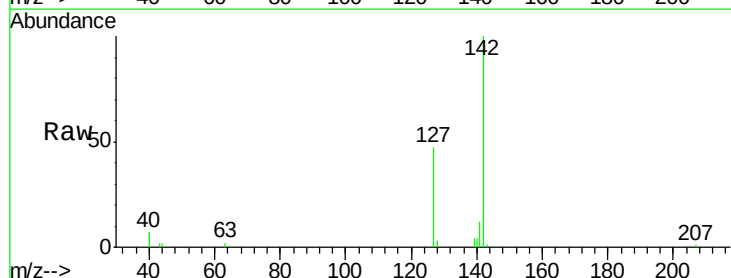
RT: 4.30 min Scan# 404

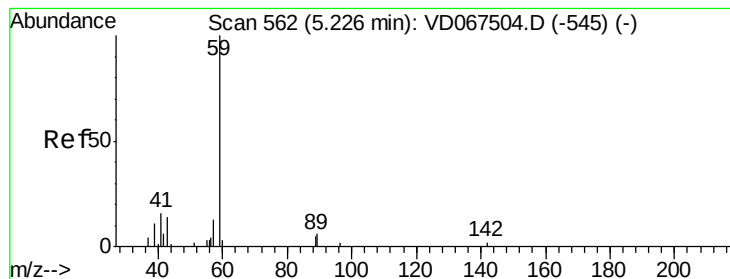
Delta R.T. -0.01 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Tgt Ion:	142	Resp:	52895
Ion Ratio	Lower	Upper	
142	100		
127	50.1	40.0	60.0
141	7.5	11.7	17.5





#11

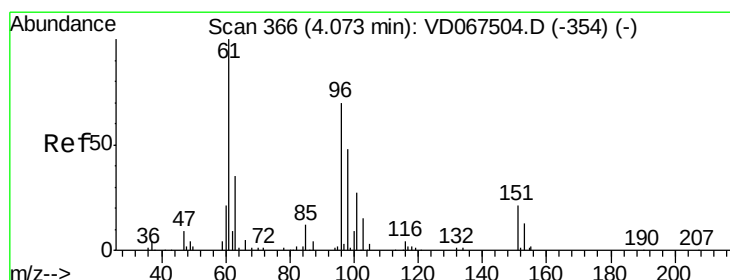
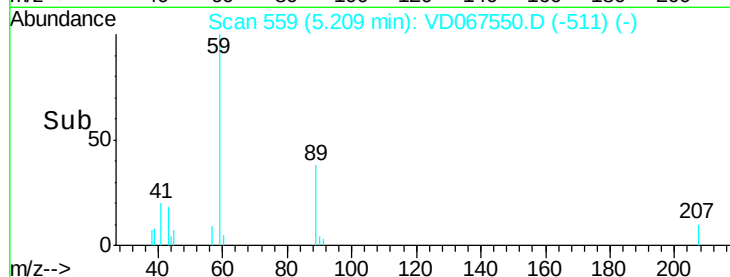
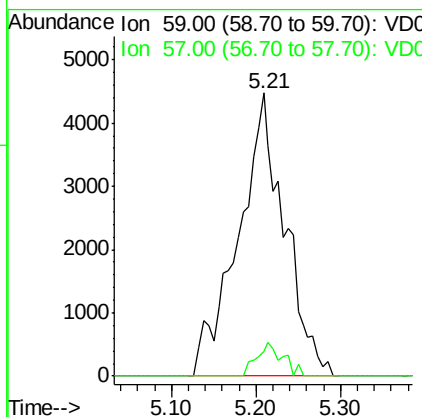
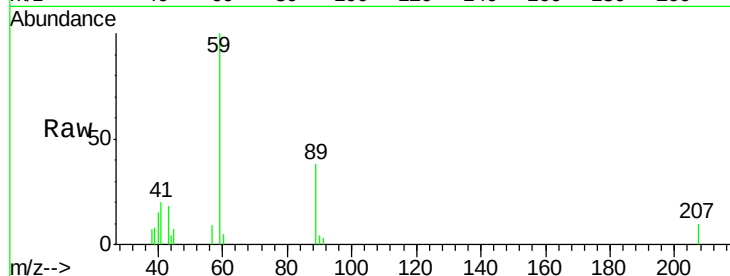
Tert butyl alcohol
 Concen: 147.329 ug/l
 RT: 5.21 min Scan# 559
 Delta R.T. -0.02 min
 Lab File: VD067550.D
 Acq: 06 Nov 2020 14:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1106SBS01

Tot Ion	59	Resp	17072
Ion Ratio	100	Lower	Upper
57	6.7	5.9	8.9

Manual Integrations
 APPROVED

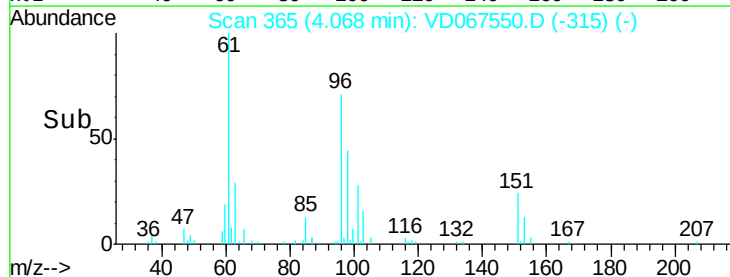
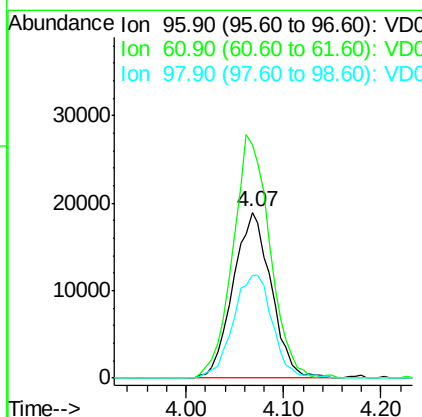
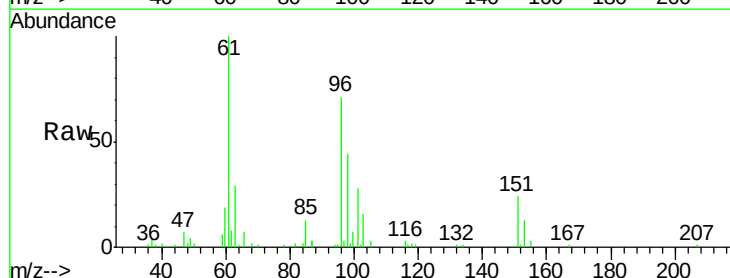
MMDadoda
 11/9/2020 10:13:26 AM

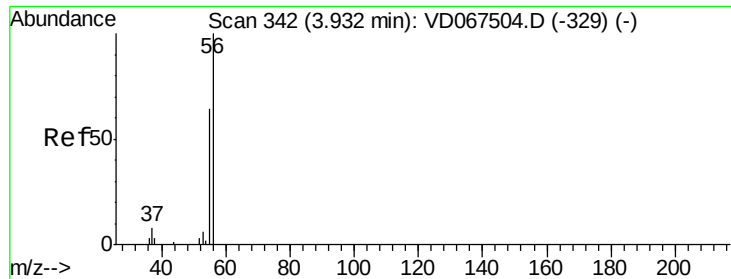


#12

1,1-Dichloroethene
 Concen: 21.191 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.01 min
 Lab File: VD067550.D
 Acq: 06 Nov 2020 14:11

Tgt Ion	96	Resp	51491
Ion Ratio	100	Lower	Upper
61	141.1	114.5	171.7
98	62.2	54.5	81.7





#13

Acrolein

Concen: 76.006 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD1106SBS01

Tot Ion: 56 Resp: 6073

Ion Ratio Lower Upper

56 100

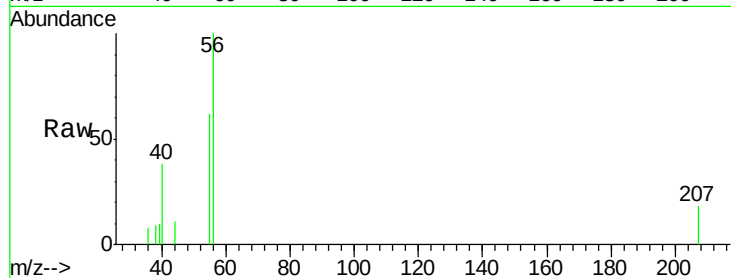
55 70.9 55.8 83.8

Manual Integrations

APPROVED

MMDadoda

11/9/2020 10:13:26 AM



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

2500

2000

1500

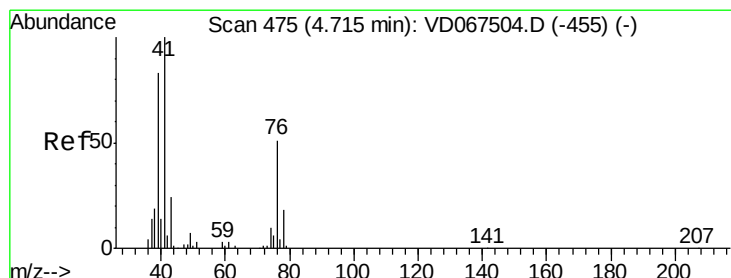
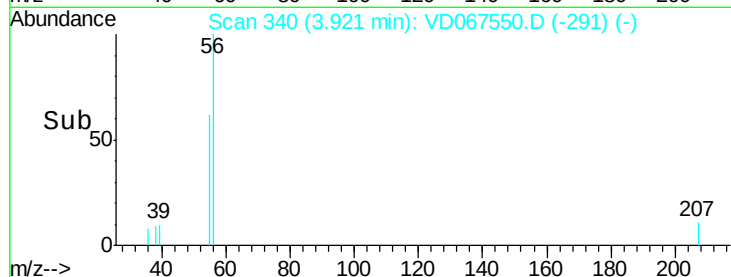
1000

500

0

3.85 3.90 3.95 4.00

Time-->



#14

Allyl chloride

Concen: 20.533 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

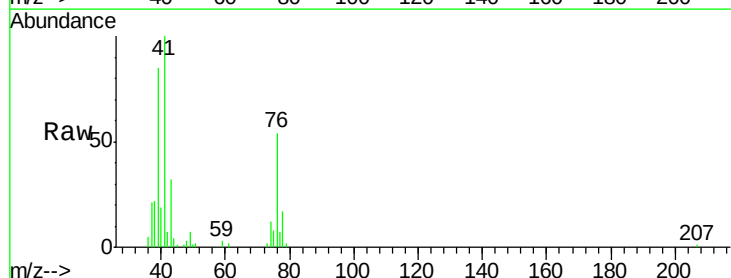
Tgt Ion: 41 Resp: 53397

Ion Ratio Lower Upper

41 100

39 81.6 67.4 101.0

76 52.8 42.2 63.2



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

20000

15000

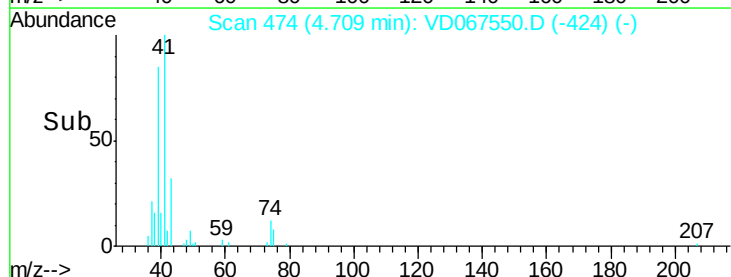
10000

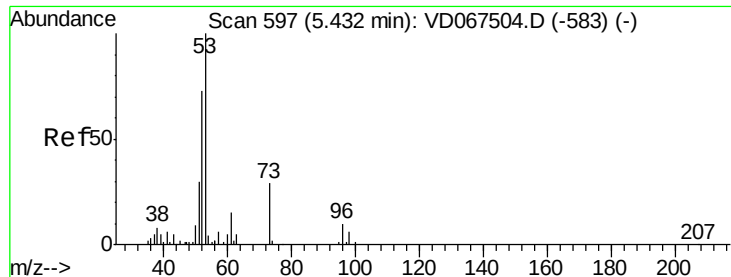
5000

0

4.60 4.70 4.80

Time-->





#15

Acrylonitrile

Concen: 118.082 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.02 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Instrument :

MSVOA_D

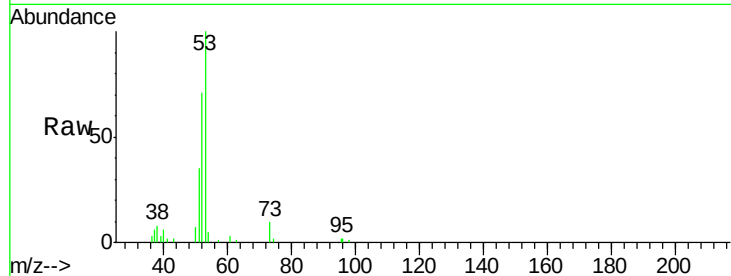
ClientSampleId :

VD1106SBS01

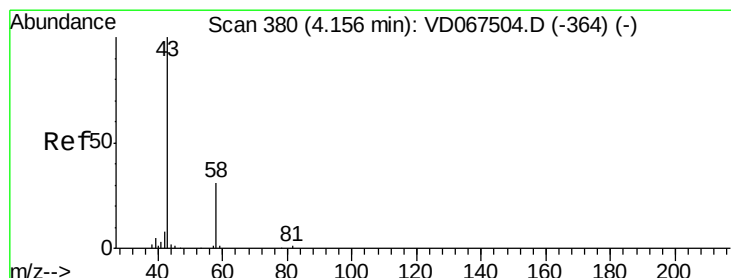
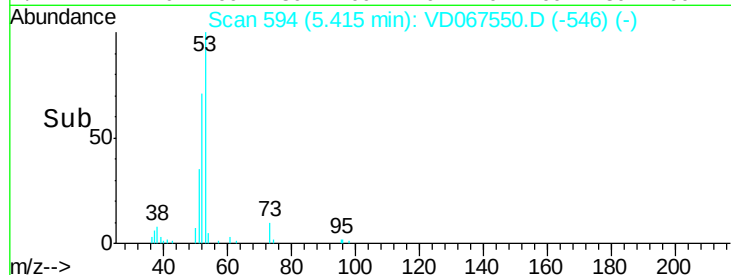
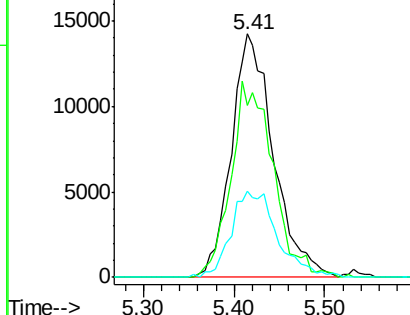
Tot Ion:	53	Resp:	46030
Ion Ratio	Lower	Upper	
53	100		
52	79.3	64.8	97.2
51	38.9	29.5	44.3

Manual Integrations
APPROVED

MMDadoda
11/9/2020 10:13:26 AM



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 98.125 ug/l

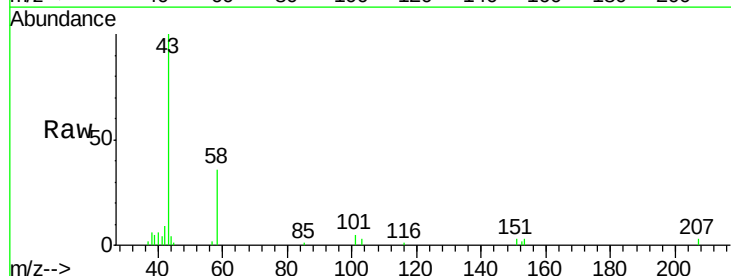
RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

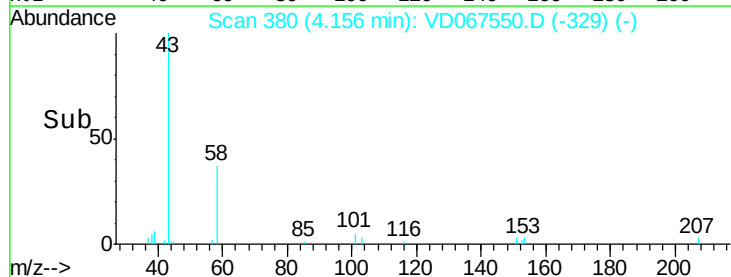
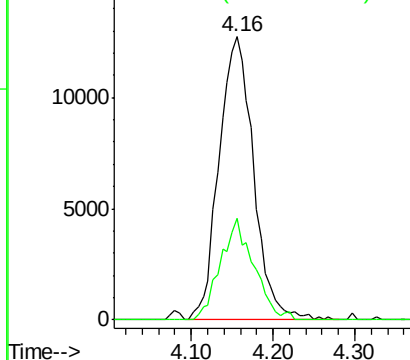
Lab File: VD067550.D

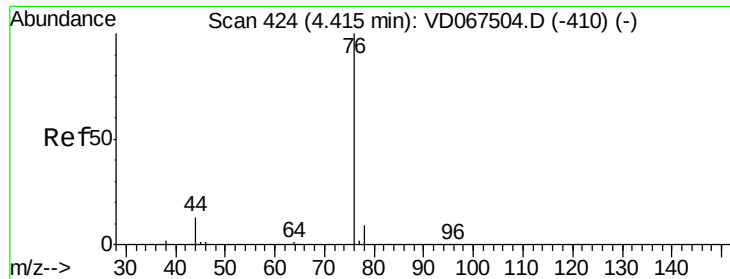
Acq: 06 Nov 2020 14:11

Tgt Ion:	43	Resp:	37379
Ion Ratio	Lower	Upper	
43	100		
58	36.1	25.2	37.8



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC





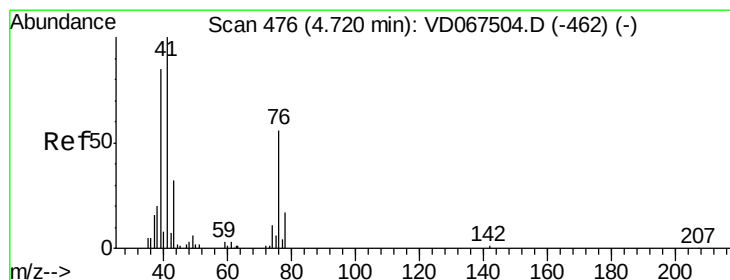
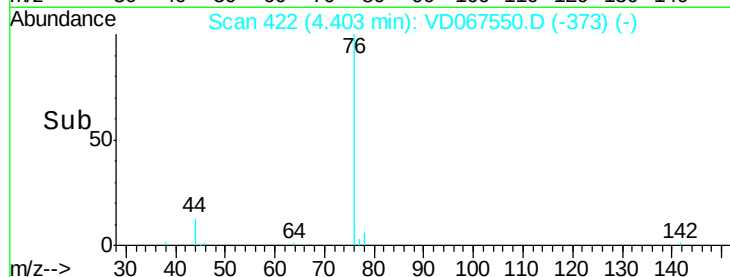
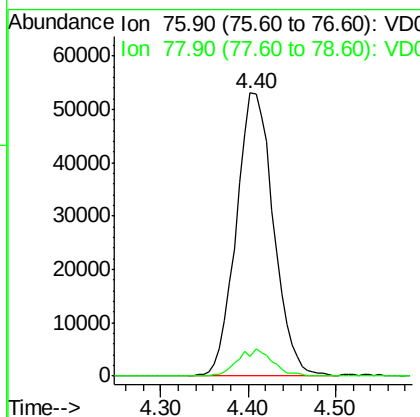
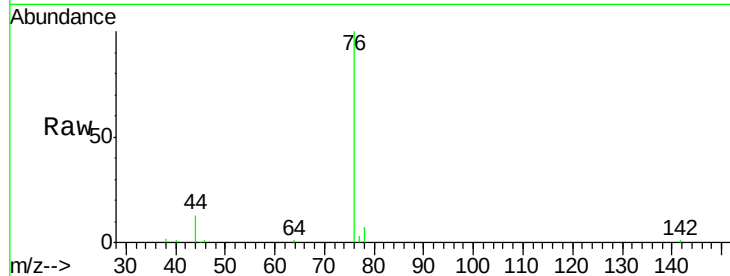
#17
Carbon Disulfide
Concen: 20.646 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

Instrument :
MSVOA_D
ClientSampleId :
VD1106SBSD01

Tot Ion: 76 Resp: 153724
Ion Ratio Lower Upper
76 100
78 7.1 7.2 10.8#

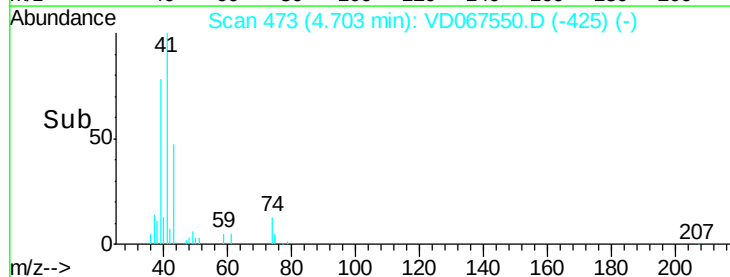
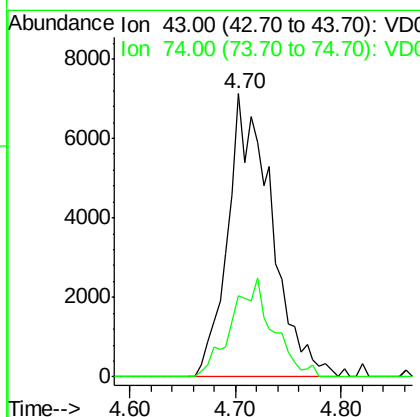
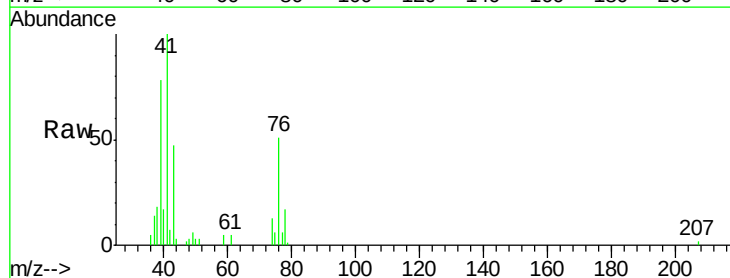
Manual Integrations
APPROVED

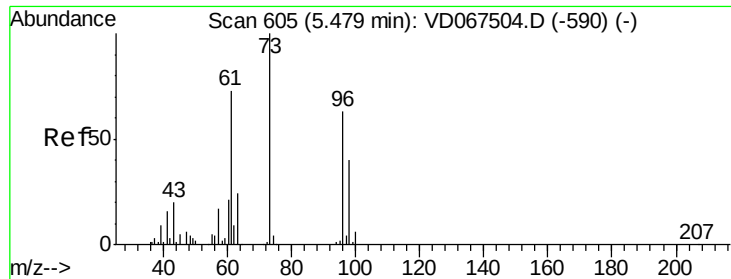
MMDadoda
11/9/2020 10:13:26 AM



#18
Methyl Acetate
Concen: 25.947 ug/l
RT: 4.70 min Scan# 473
Delta R.T. -0.02 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

Tgt Ion: 43 Resp: 20425
Ion Ratio Lower Upper
43 100
74 33.0 27.2 40.8





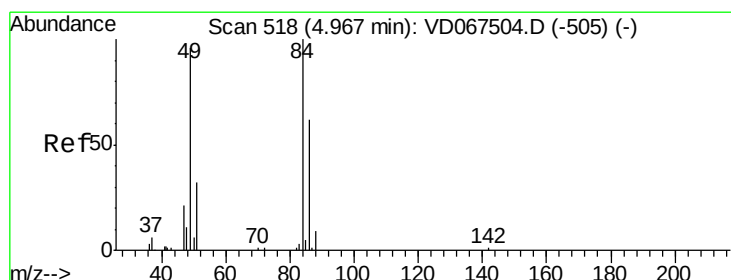
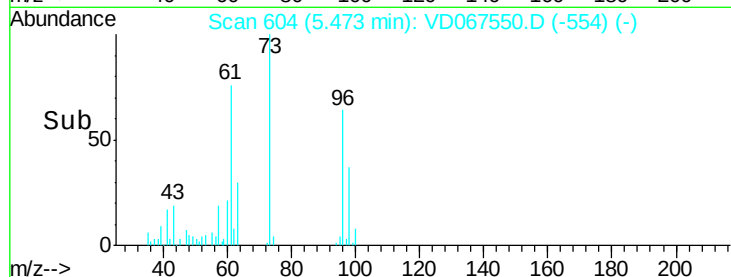
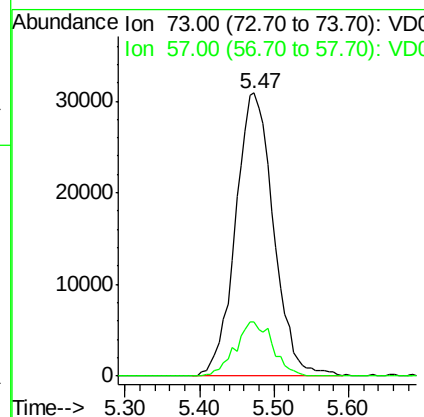
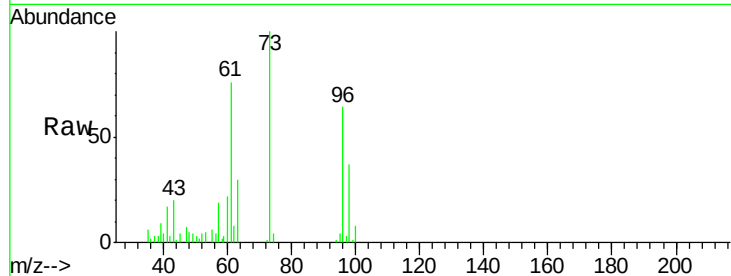
#19
Methyl tert-butyl Ether
Concen: 22.806 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

Instrument :
MSVOA_D
ClientSampleId :
VD1106SBS01

Tot Ion: 73 Resp: 109311
Ion Ratio Lower Upper
73 100
57 19.0 13.4 20.0

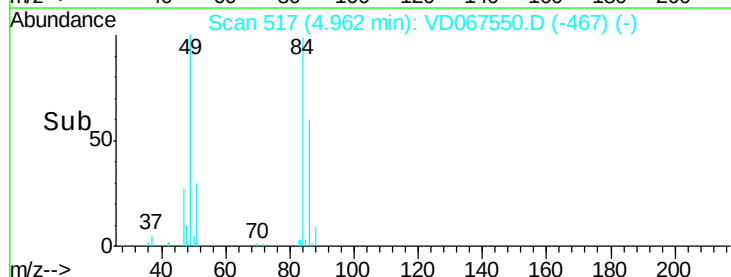
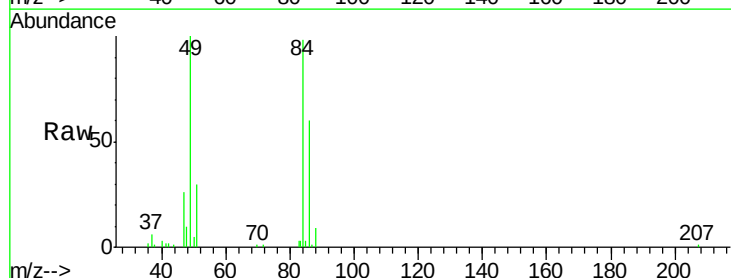
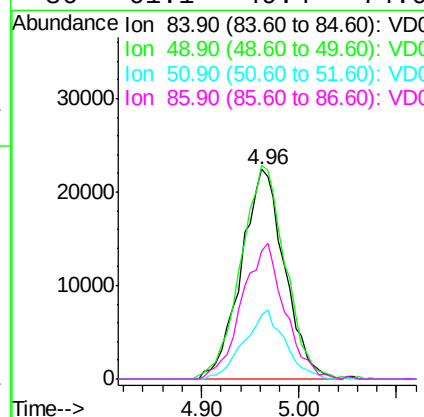
Manual Integrations
APPROVED

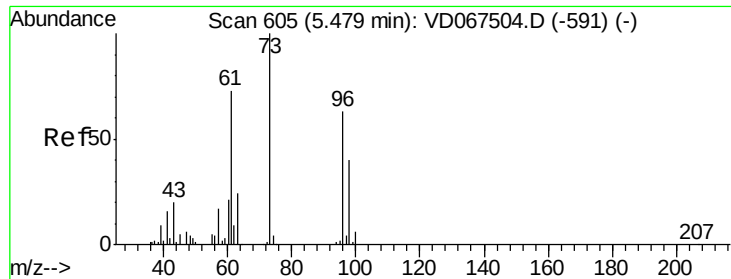
MMDadoda
11/9/2020 10:13:26 AM



#20
Methylene Chloride
Concen: 25.961 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

Tgt Ion: 84 Resp: 69858
Ion Ratio Lower Upper
84 100
49 101.9 77.0 115.4
51 30.6 25.4 38.2
86 61.1 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 21.369 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Instrument :

MSVOA_D

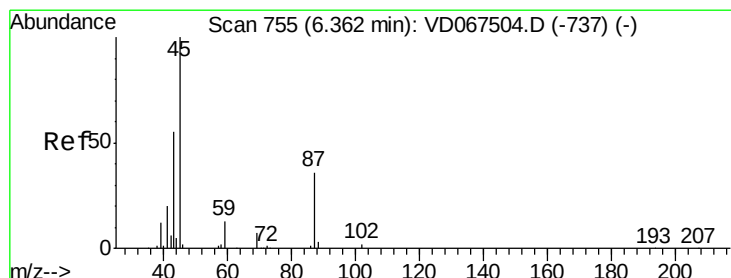
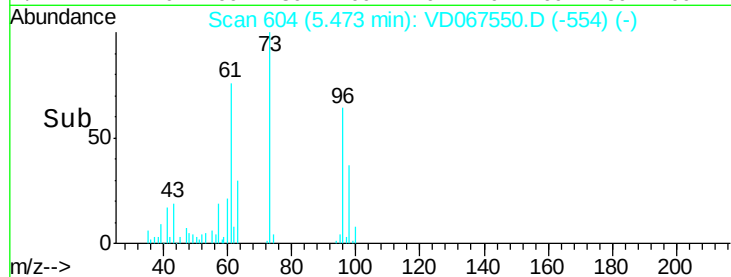
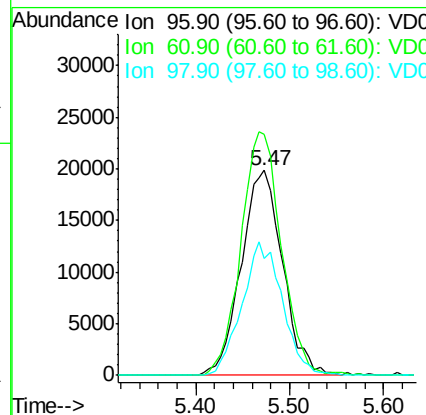
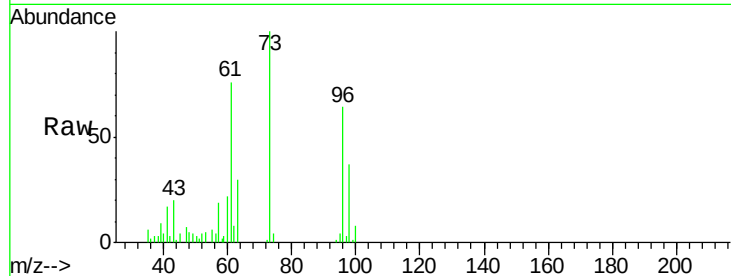
ClientSampleId :

VD1106SBS01

Tot Ion:	96	Resp:	60477
Ion	Ratio	Lower	Upper
96	100		
61	117.6	93.0	139.6
98	57.0	50.9	76.3

Manual Integrations
APPROVED

MMDadoda
11/9/2020 10:13:26 AM



#22

Diisopropyl ether

Concen: 22.813 ug/l

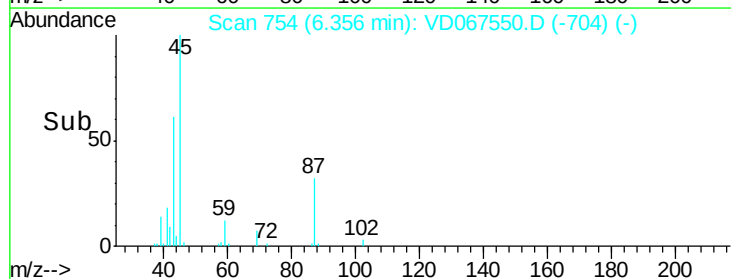
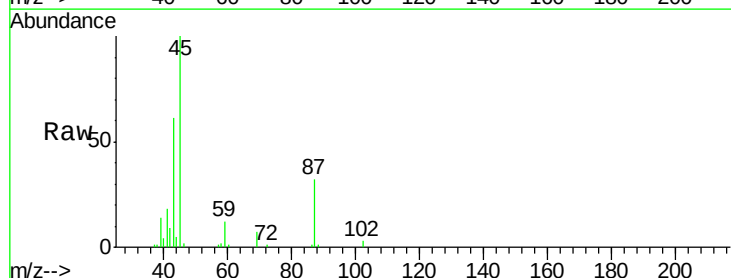
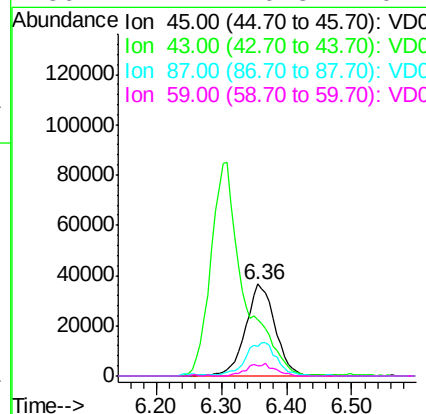
RT: 6.36 min Scan# 754

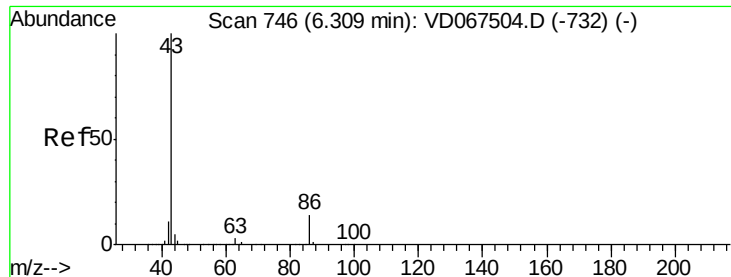
Delta R.T. -0.01 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Tgt Ion:	45	Resp:	115614
Ion	Ratio	Lower	Upper
45	100		
43	59.4	46.2	69.4
87	32.0	29.4	44.2
59	11.7	10.8	16.2





#23

Vinyl Acetate

Concen: 111.888 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD1106SBS01

Tot Ion: 43 Resp: 296814

Ion Ratio Lower Upper

43 100

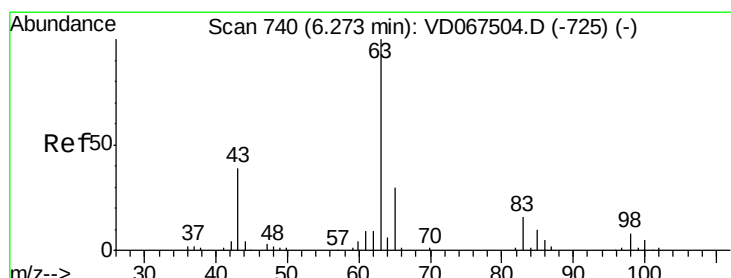
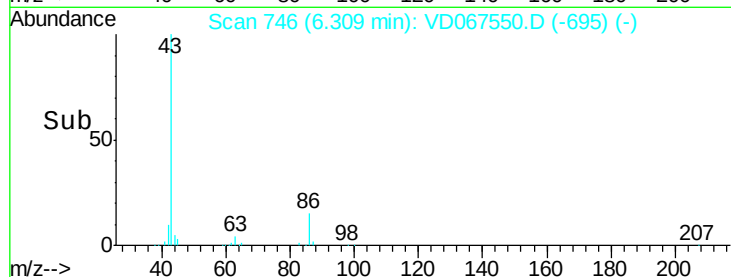
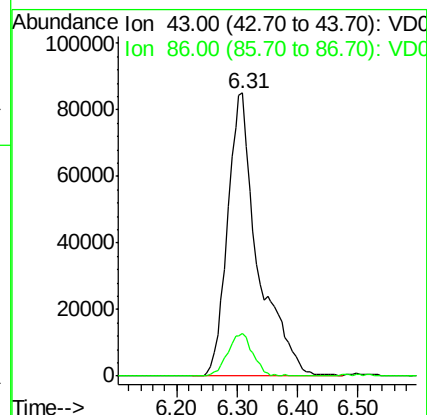
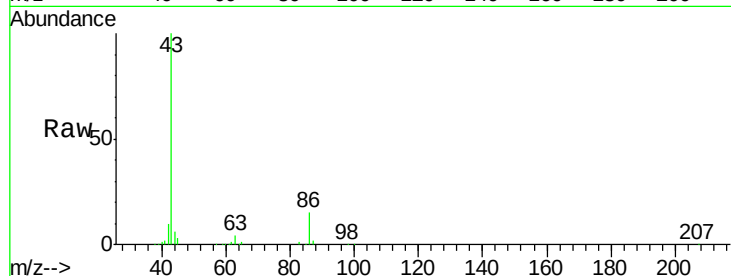
86 15.2 11.6 17.4

Manual Integrations

APPROVED

MMDadoda

11/9/2020 10:13:26 AM



#24

1,1-Dichloroethane

Concen: 21.490 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

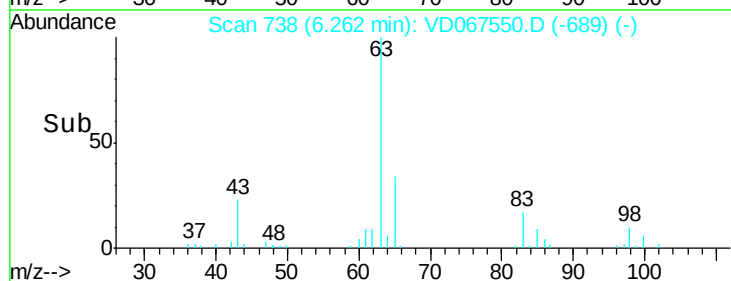
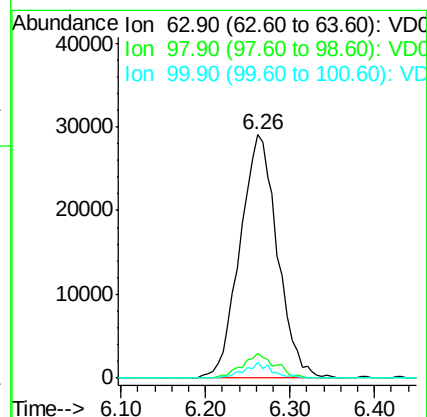
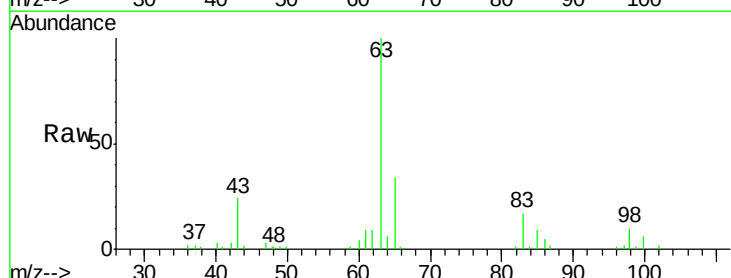
Tgt Ion: 63 Resp: 89097

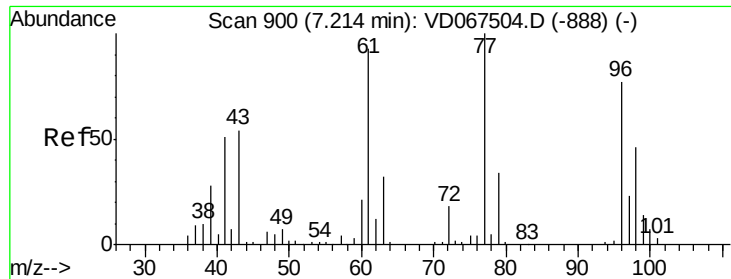
Ion Ratio Lower Upper

63 100

98 10.3 3.9 11.5

100 6.4 2.6 7.8





#25

2-Butanone

Concen: 113.441 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD1106SBS01

Tot Ion: 43 Resp: 46175

Ion Ratio Lower Upper

43 100

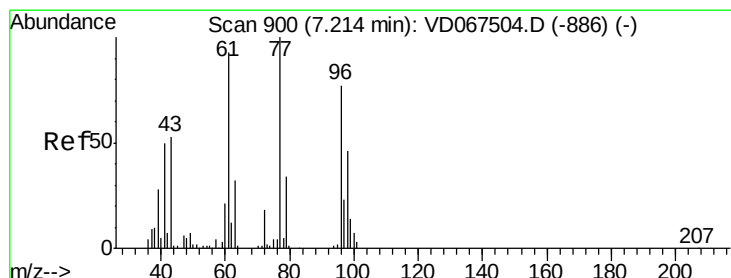
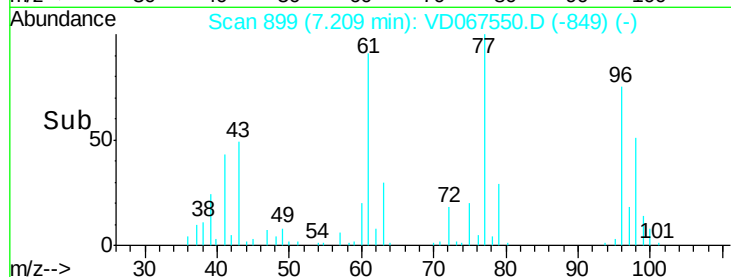
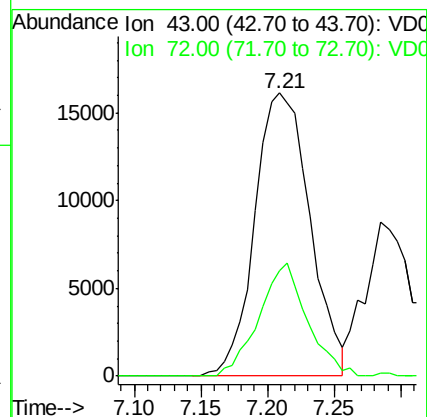
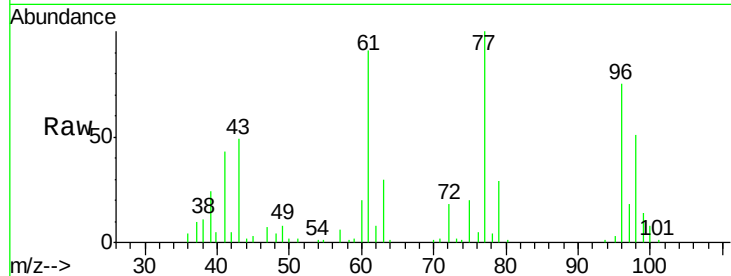
72 37.5 26.4 39.6

Manual Integrations

APPROVED

MMDadoda

11/9/2020 10:13:26 AM



#26

2,2-Dichloropropane

Concen: 20.871 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067550.D

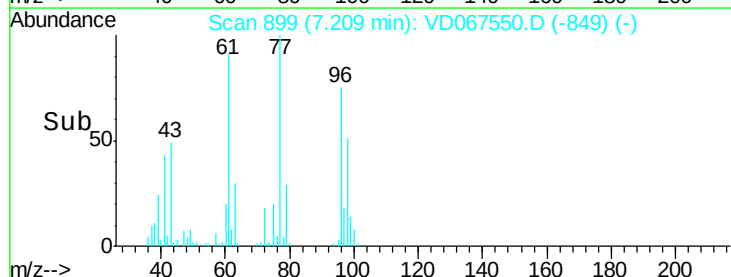
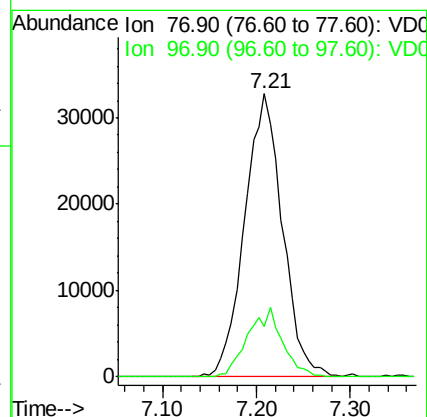
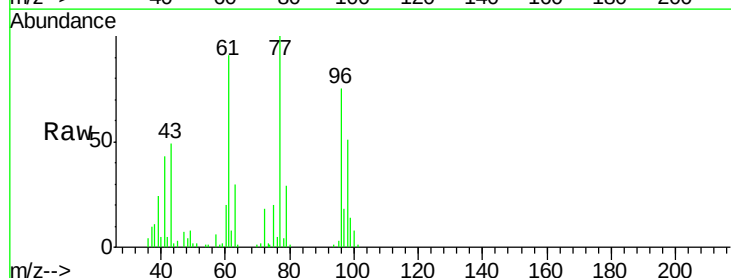
Acq: 06 Nov 2020 14:11

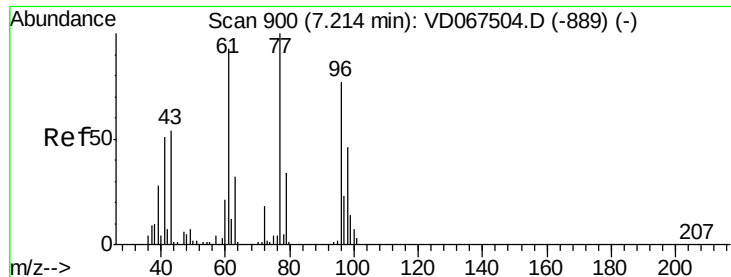
Tgt Ion: 77 Resp: 91325

Ion Ratio Lower Upper

77 100

97 22.3 11.1 33.3





#27

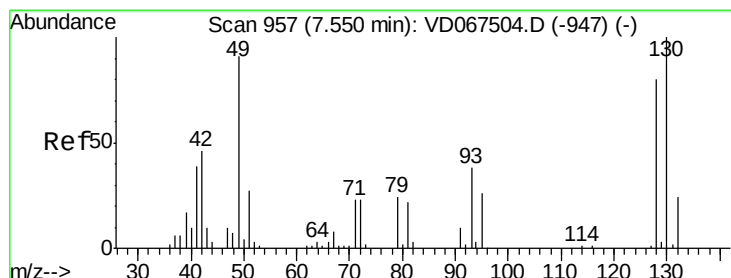
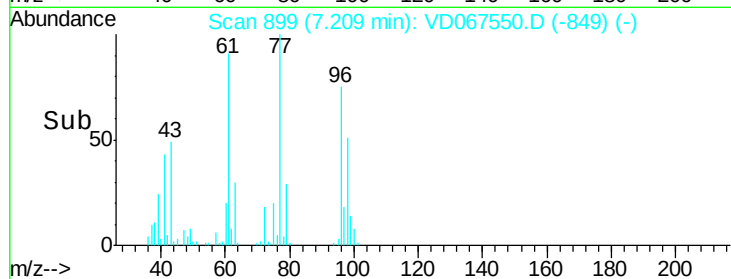
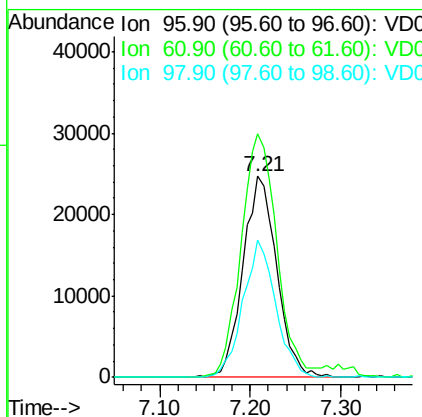
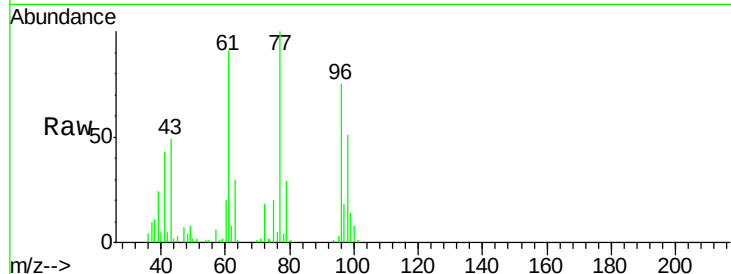
cis-1,2-Dichloroethene
Concen: 21.707 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

Instrument :
MSVOA_D
ClientSampleId :
VD1106SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.8	0.0	251.6
98	66.1	0.0	128.0

Manual Integrations
APPROVED

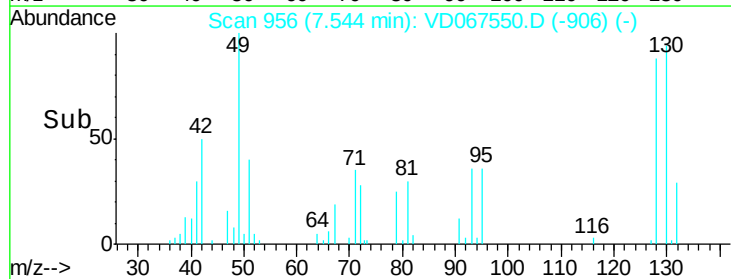
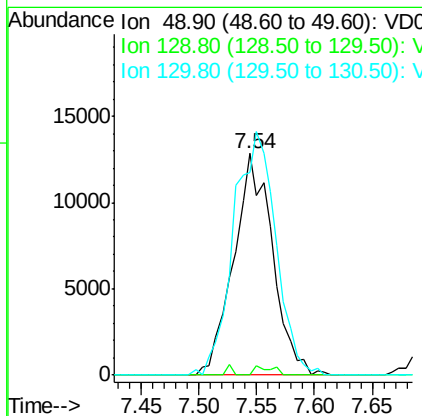
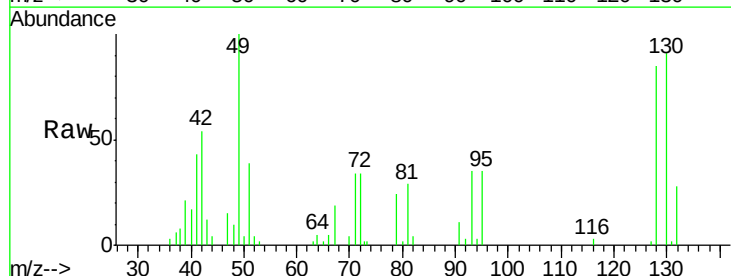
MMDadoda
11/9/2020 10:13:26 AM

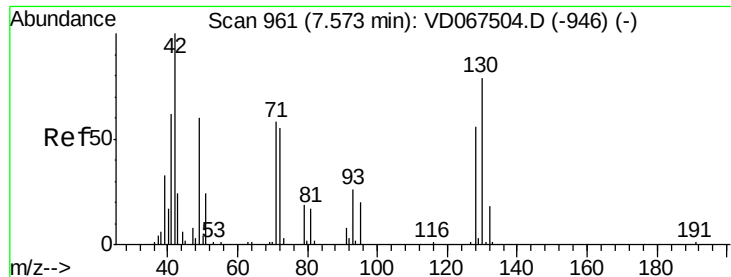


#28

Bromochloromethane
Concen: 20.303 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	6.4
130	119.2	94.6	142.0





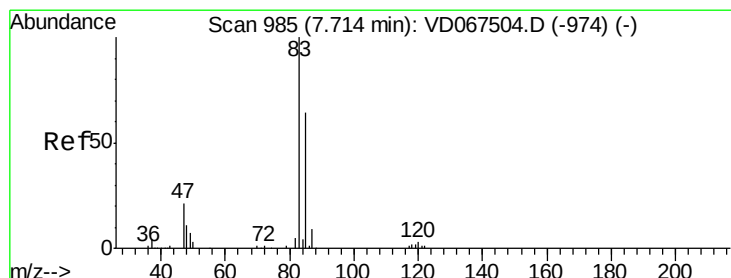
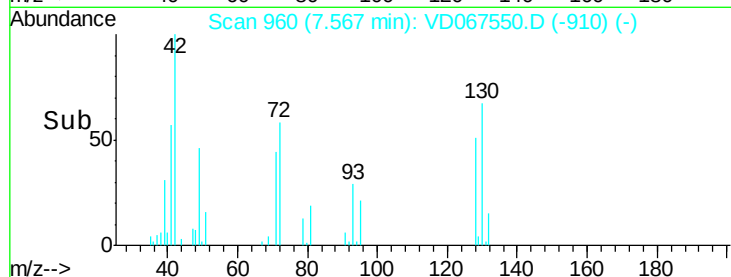
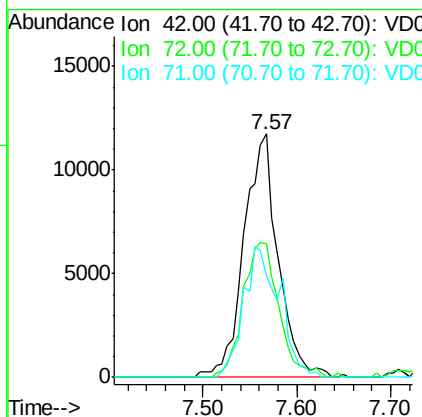
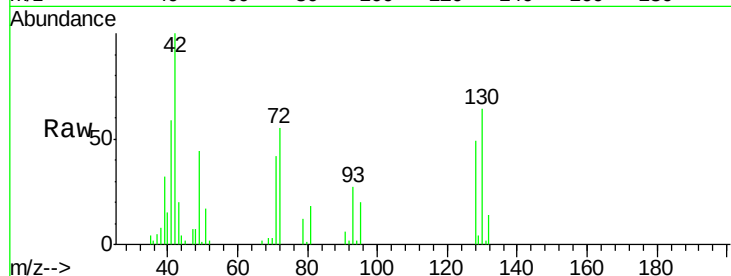
#29
Tetrahydrofuran
Concen: 121.033 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

Instrument :
MSVOA_D
ClientSampleId :
VD1106SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	58.3	46.3	69.5
71	56.5	44.0	66.0

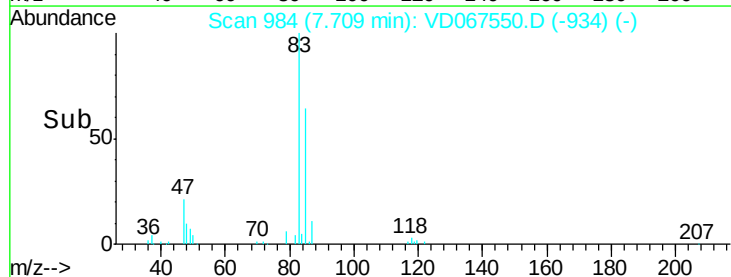
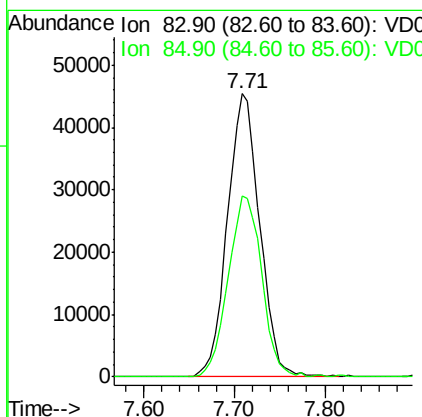
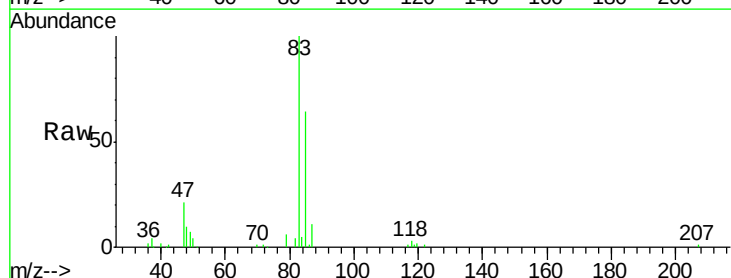
Manual Integrations
APPROVED

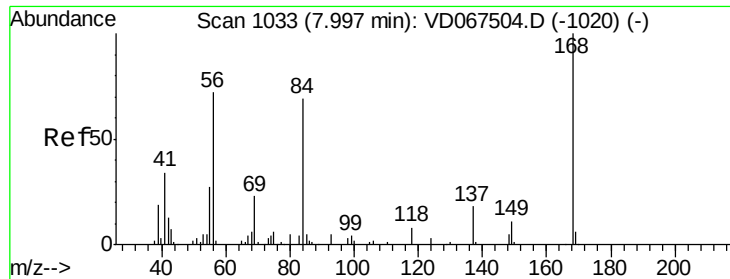
MMDadoda
11/9/2020 10:13:26 AM



#30
Chloroform
Concen: 22.747 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.5	77.3





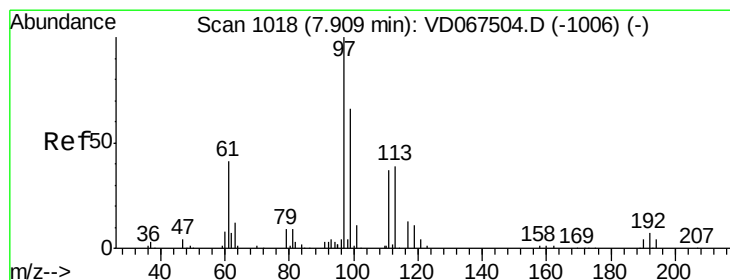
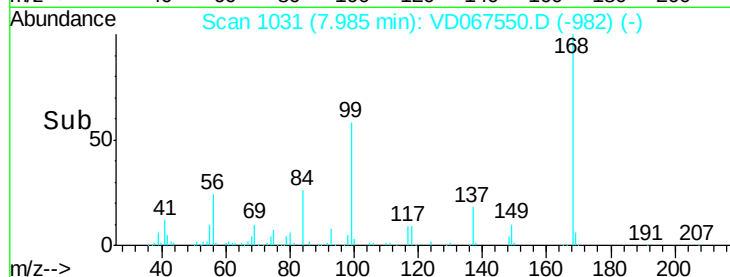
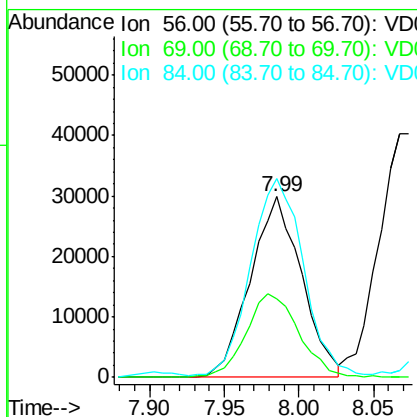
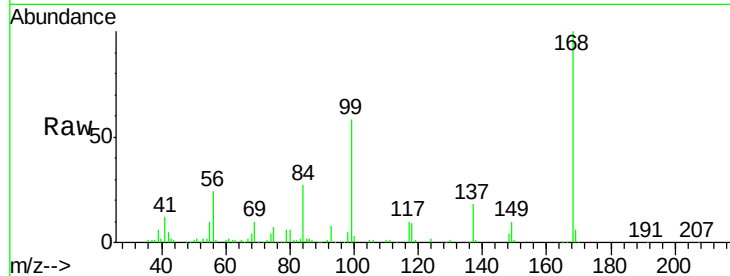
#31
Cyclohexane
Concen: 19.380 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

Instrument :
MSVOA_D
ClientSampleId :
VD1106SBS01

Tot Ion	56	Resp	71551
Ion	Ratio	Lower	Upper
56	100		
69	43.3	25.9	38.9#
84	109.3	76.2	114.4

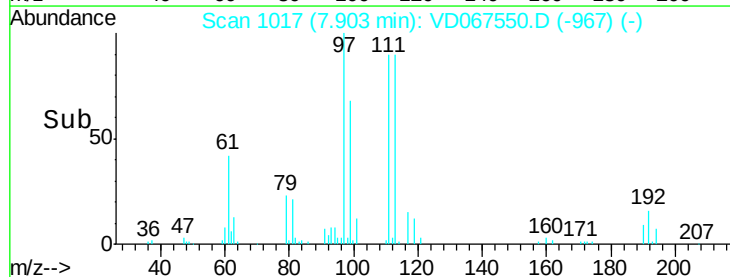
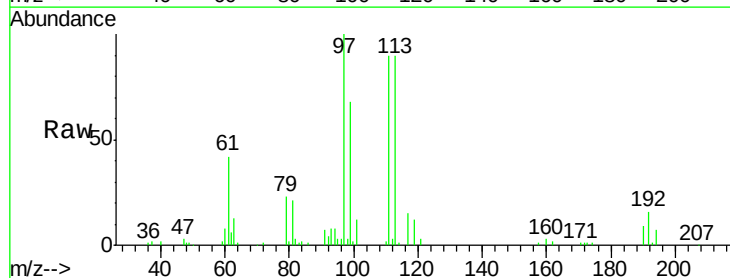
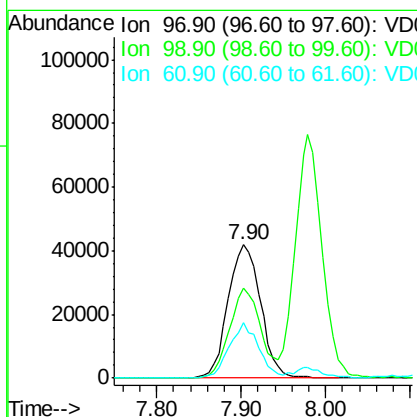
Manual Integrations
APPROVED

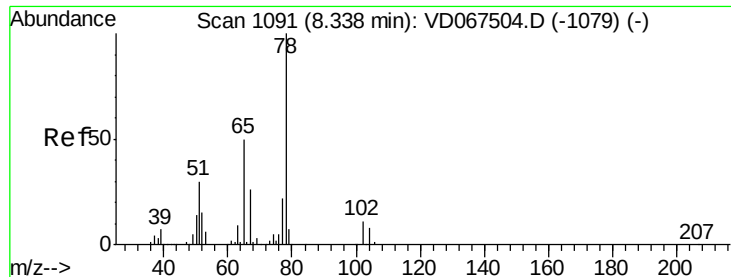
MMDadoda
11/9/2020 10:13:26 AM



#32
1,1,1-Trichloroethane
Concen: 21.806 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

Tgt Ion	97	Resp	111284
Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.8	77.6
61	37.4	30.5	45.7





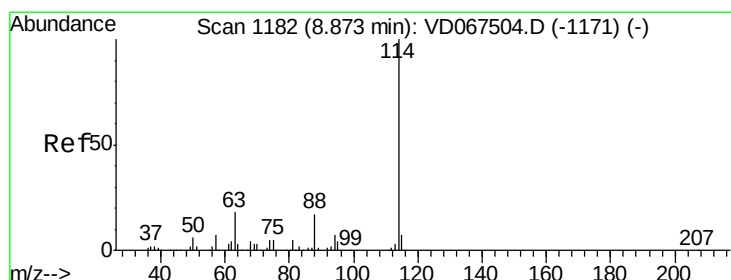
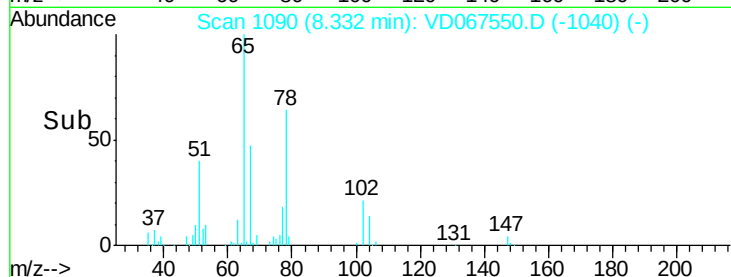
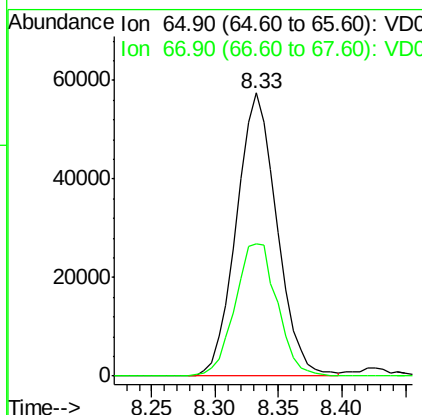
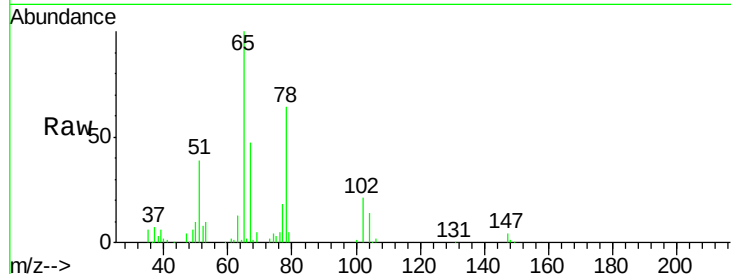
#33
 1,2-Dichloroethane-d4
 Concen: 50.191 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD067550.D
 Acq: 06 Nov 2020 14:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1106SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	48.6	0.0	99.4	

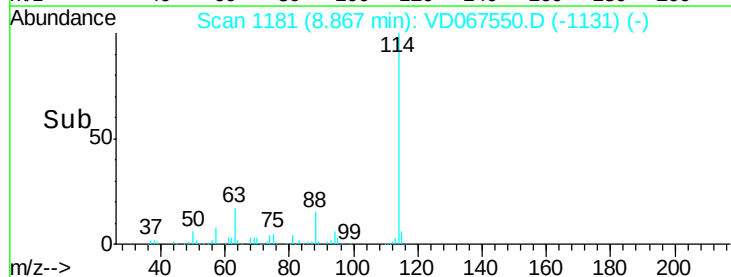
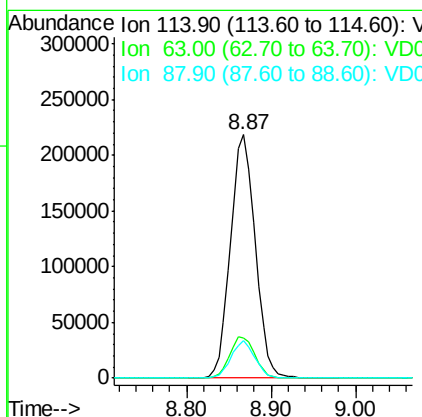
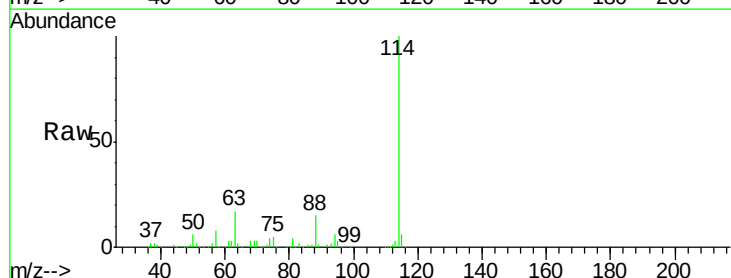
Manual Integrations
 APPROVED

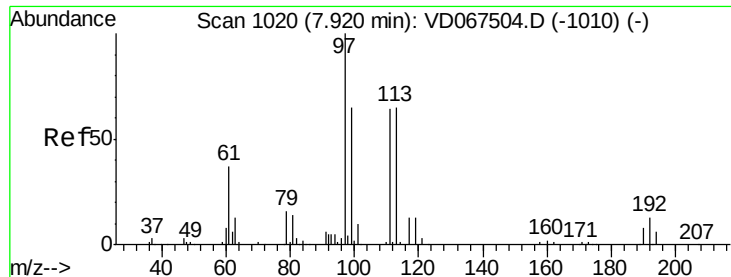
MMDadoda
 11/9/2020 10:13:26 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VD067550.D
 Acq: 06 Nov 2020 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	16.6	0.0	35.0	
88	15.3	0.0	33.0	





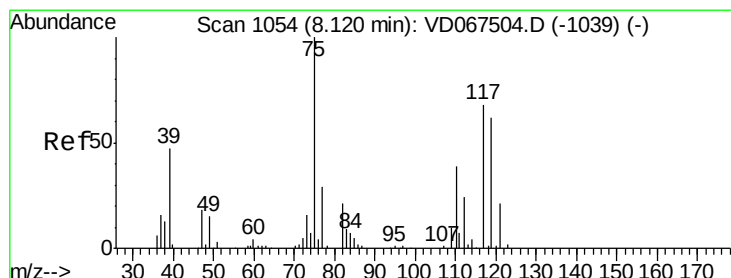
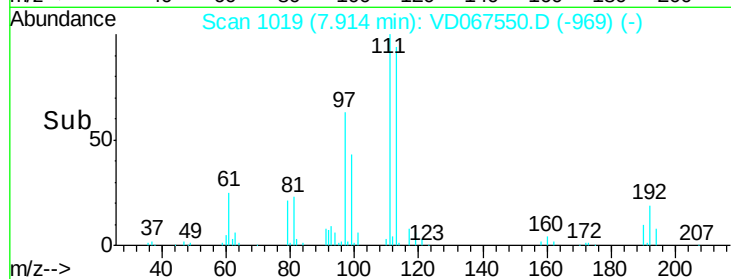
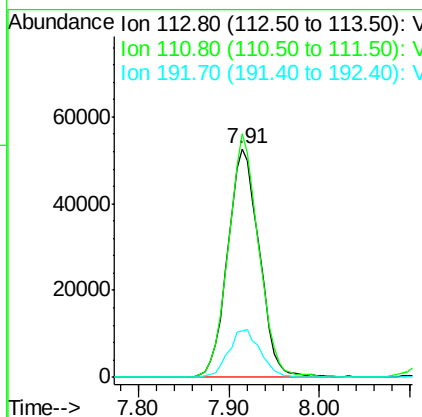
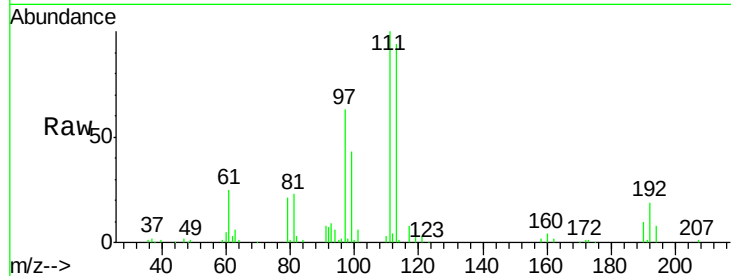
#35
 Dibromofluoromethane
 Concen: 48.020 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD067550.D
 Acq: 06 Nov 2020 14:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1106SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	127503		
111	102.2	80.0	120.0	
192	21.1	16.3	24.5	

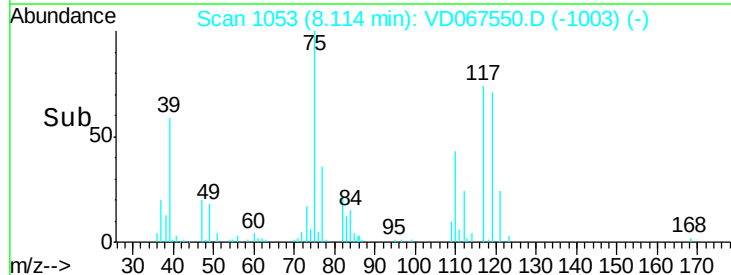
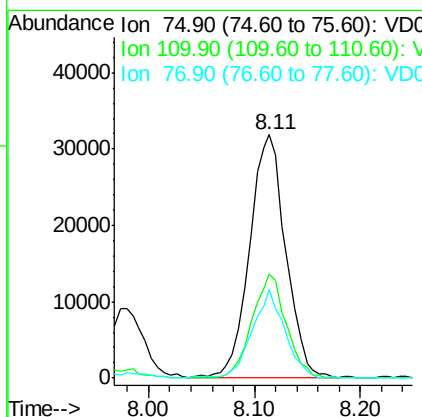
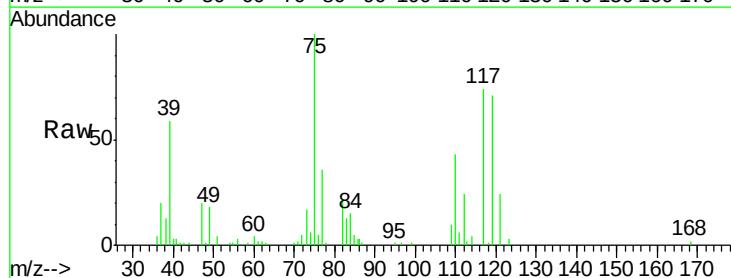
Manual Integrations
 APPROVED

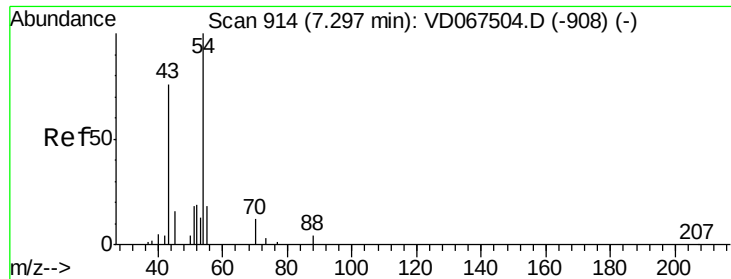
MMDadoda
 11/9/2020 10:13:26 AM



#36
 1,1-Dichloropropene
 Concen: 20.144 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD067550.D
 Acq: 06 Nov 2020 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	75991		
110	40.2	19.9	59.7	
77	32.8	24.8	37.2	





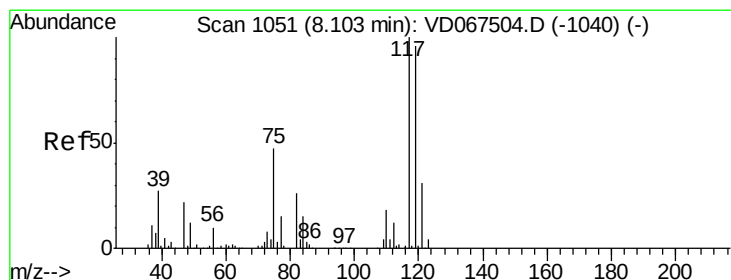
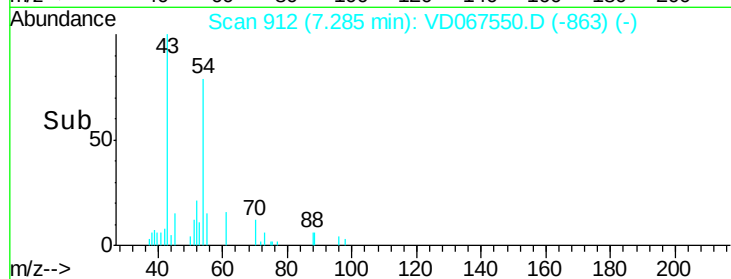
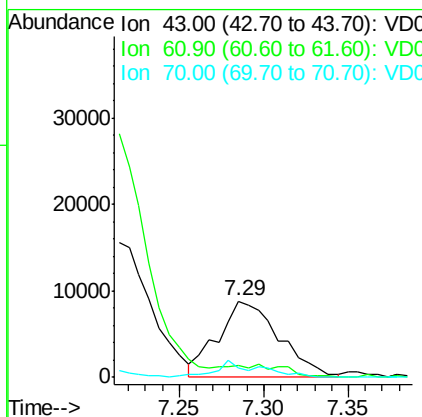
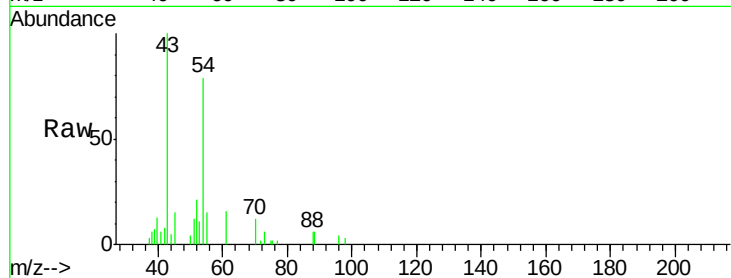
#37
Ethyl Acetate
Concen: 22.633 ug/l
RT: 7.29 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

Instrument :
MSVOA_D
ClientSampleId :
VD1106SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	9.7	11.7	17.5#

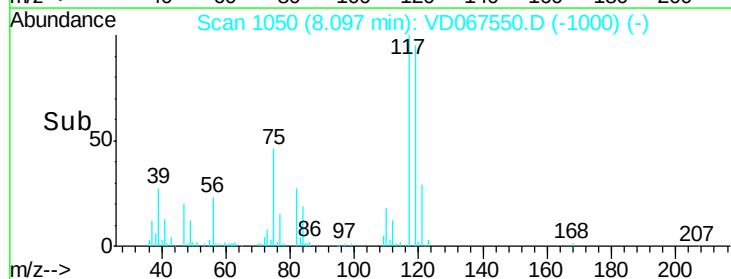
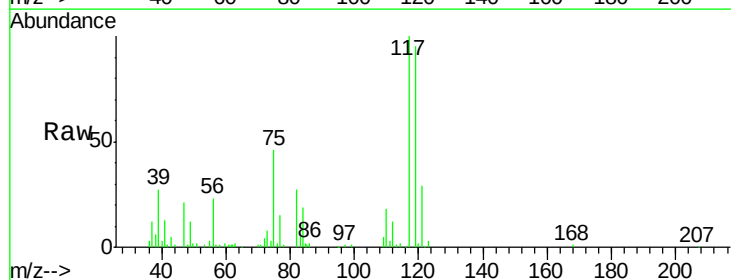
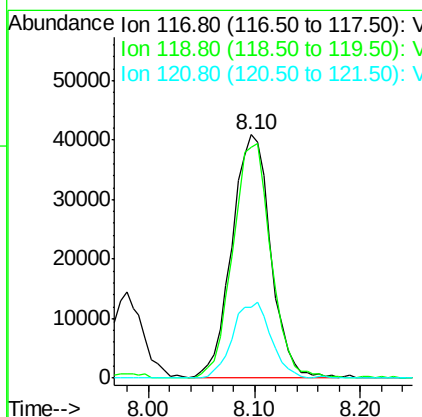
Manual Integrations
APPROVED

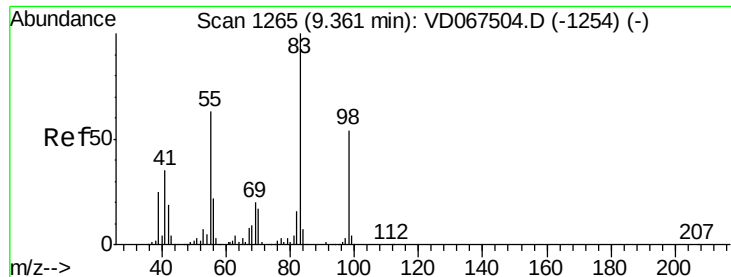
MMDadoda
11/9/2020 10:13:26 AM



#38
Carbon Tetrachloride
Concen: 21.312 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.9	115.3
121	29.0	24.5	36.7





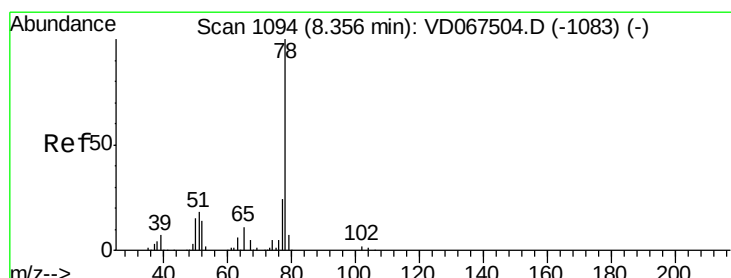
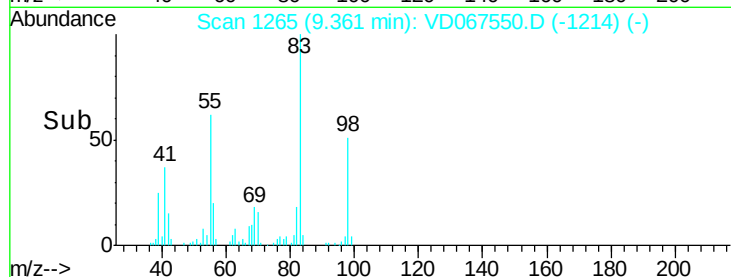
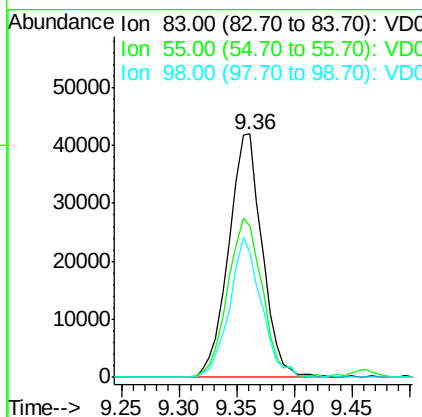
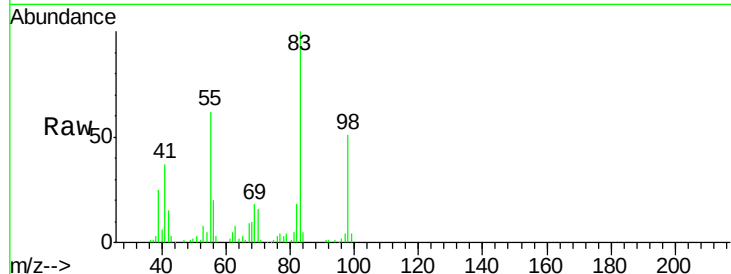
#39
Methylvlcyclohexane
Concen: 19.102 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

Instrument :
MSVOA_D
ClientSampleId :
VD1106SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	62.5	50.5	75.7
98	50.9	43.4	65.0

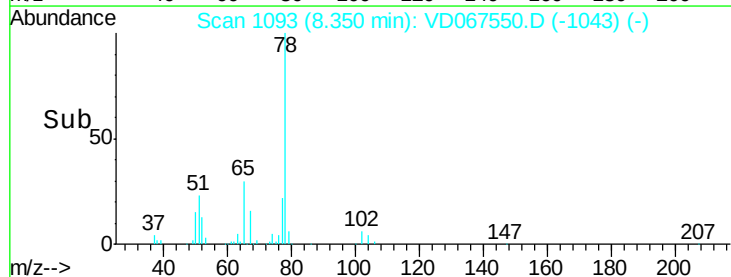
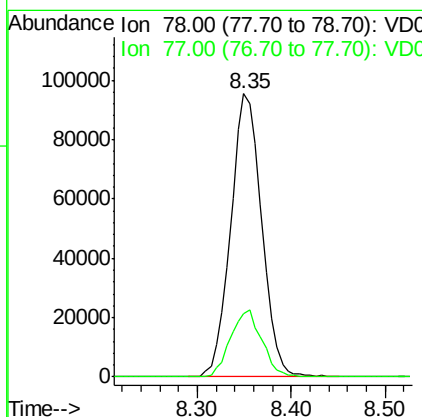
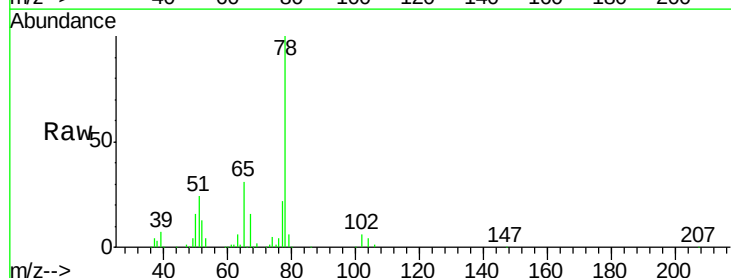
Manual Integrations
APPROVED

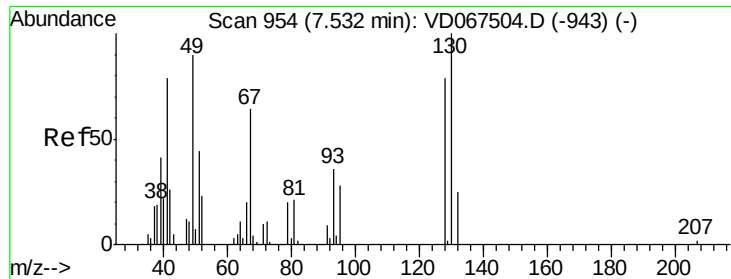
MMDadoda
11/9/2020 10:13:26 AM



#40
Benzene
Concen: 21.358 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.4	19.1	28.7





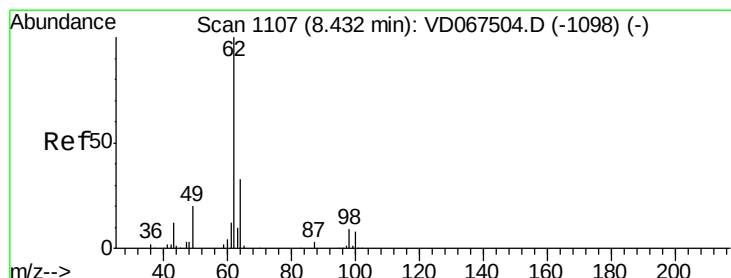
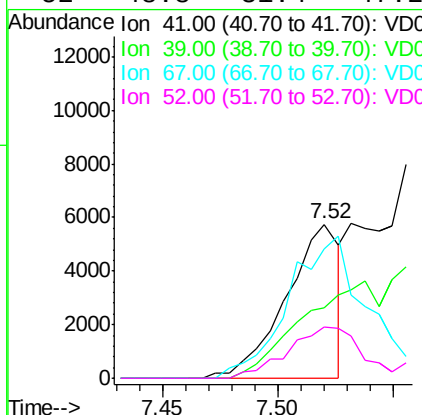
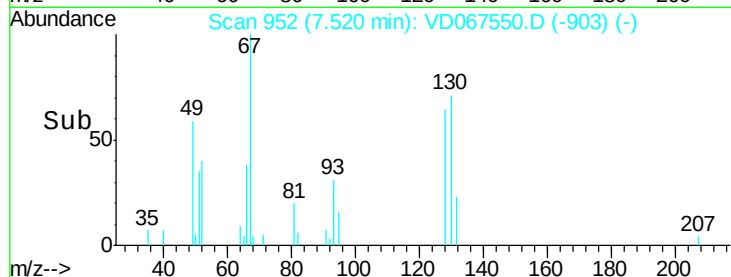
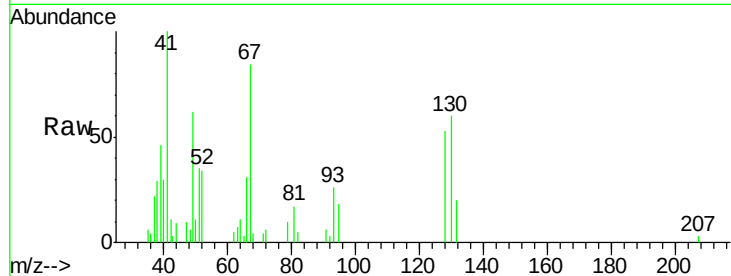
#41
Methacrylonitrile
Concen: 15.902 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

Instrument :
MSVOA_D
ClientSampleId :
VD1106SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	88.5	51.3	76.9#
67	135.9	78.9	118.3#
52	48.8	31.4	47.2#

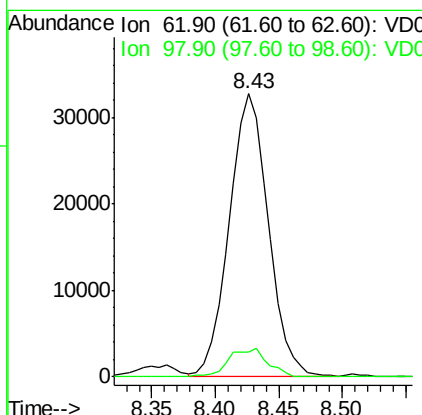
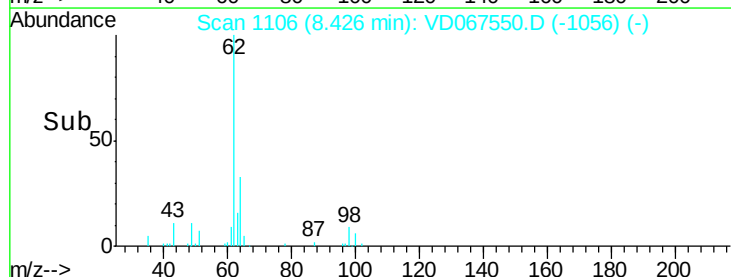
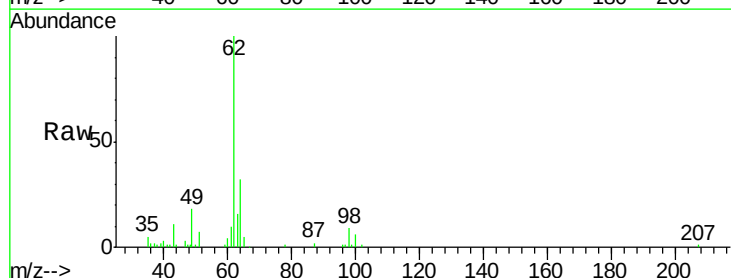
Manual Integrations
APPROVED

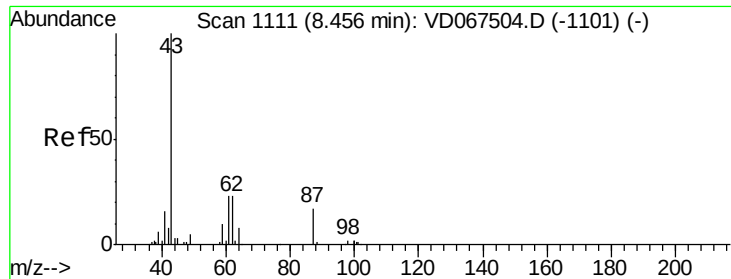
MMDadoda
11/9/2020 10:13:26 AM



#42
1,2-Dichloroethane
Concen: 22.256 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.8





#43

Isopropyl Acetate

Concen: 22.596 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Instrument :

MSVOA_D

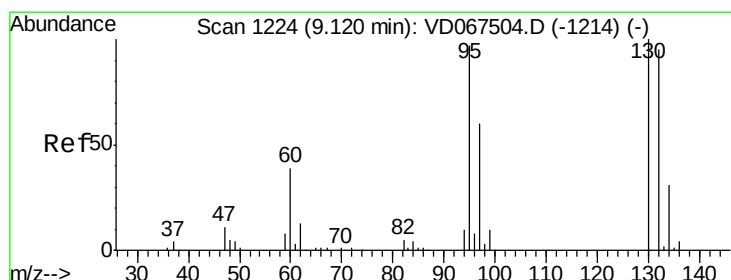
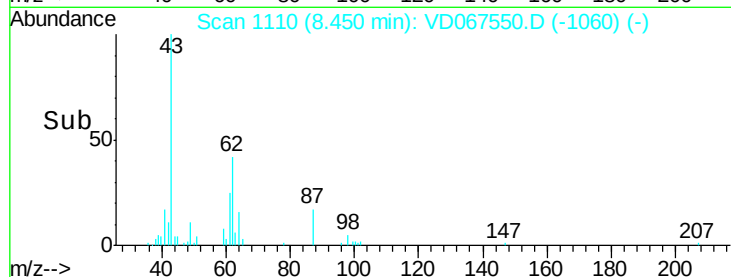
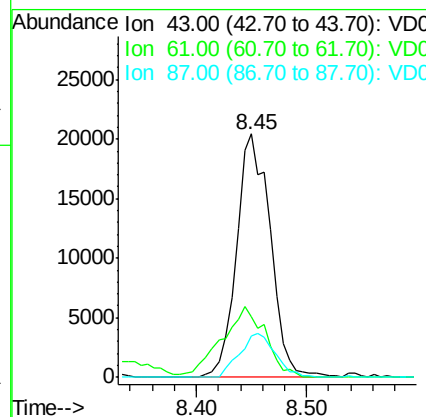
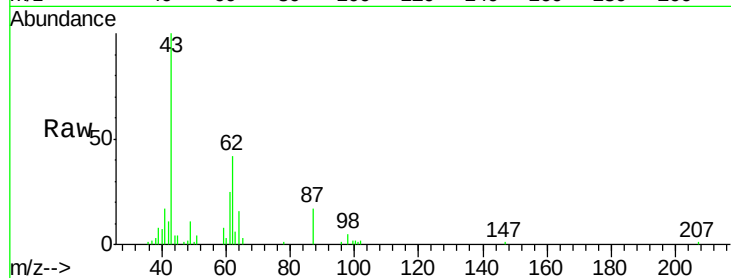
ClientSampleId :

VD1106SBS01

Tot Ion:	43	Resp:	43766
Ion	Ratio	Lower	Upper
43	100		
61	37.8	30.5	45.7
87	19.1	14.7	22.1

Manual Integrations
APPROVED

MMDadoda
11/9/2020 10:13:26 AM



#44

Trichloroethene

Concen: 20.936 ug/l

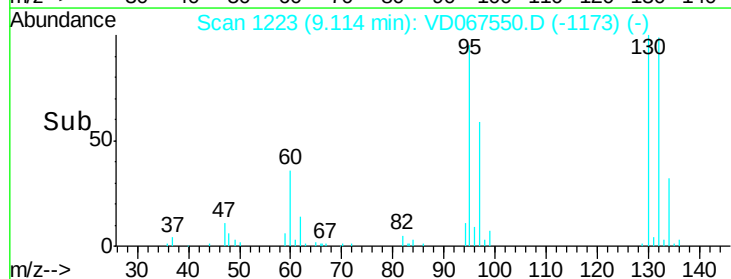
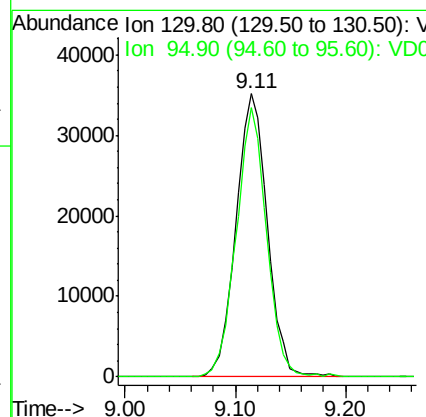
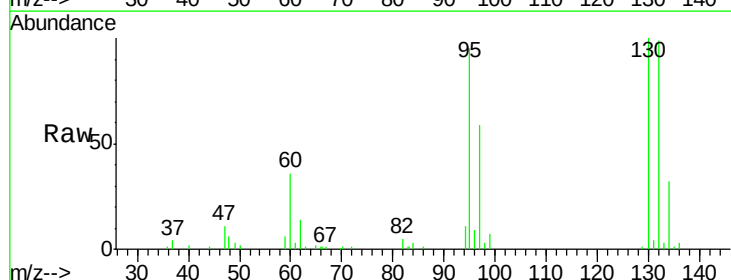
RT: 9.11 min Scan# 1223

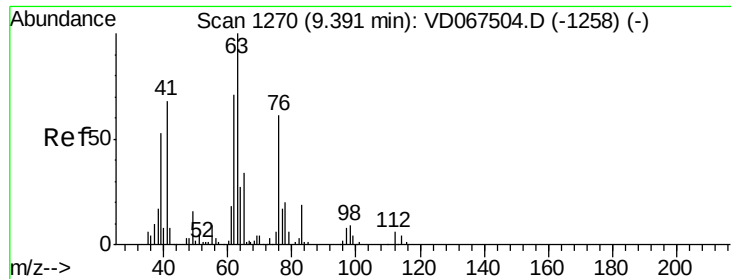
Delta R.T. -0.01 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Tgt Ion:	130	Resp:	70342
Ion	Ratio	Lower	Upper
130	100		
95	95.2	0.0	194.4





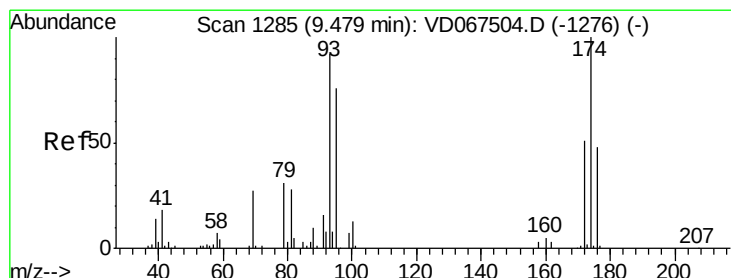
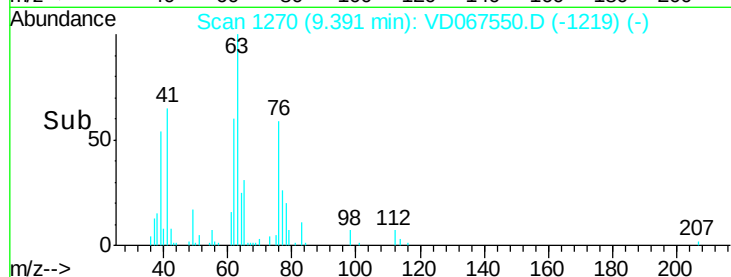
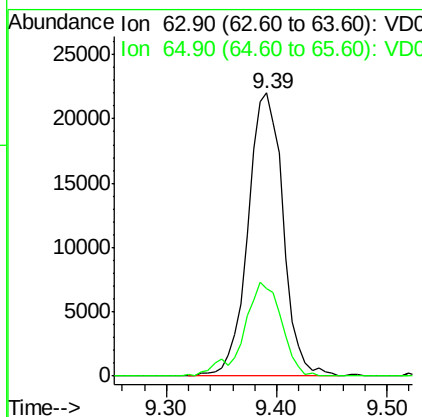
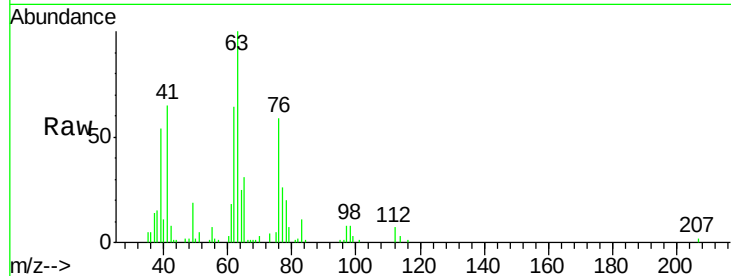
#45
 1,2-Dichloropropane
 Concen: 22.284 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067550.D
 Acq: 06 Nov 2020 14:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1106SBS01

Tot Ion: 63 Resp: 49232
 Ion Ratio Lower Upper
 63 100
 65 30.9 26.9 40.3

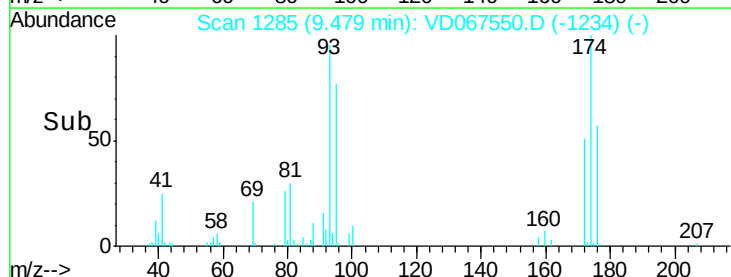
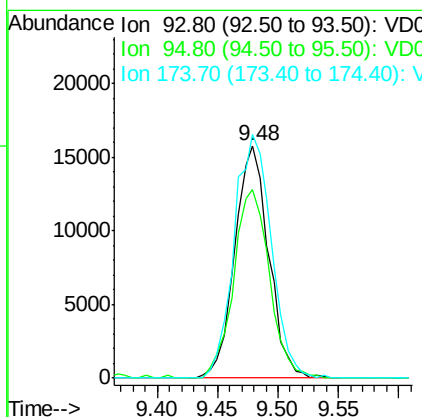
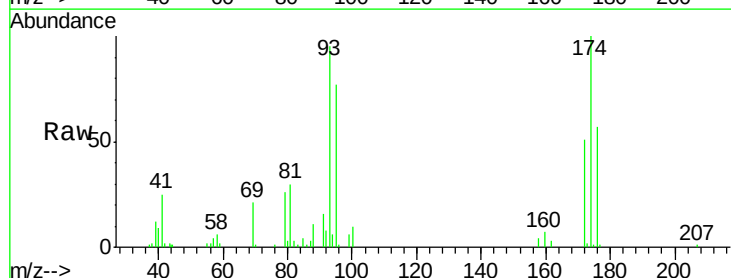
Manual Integrations
 APPROVED

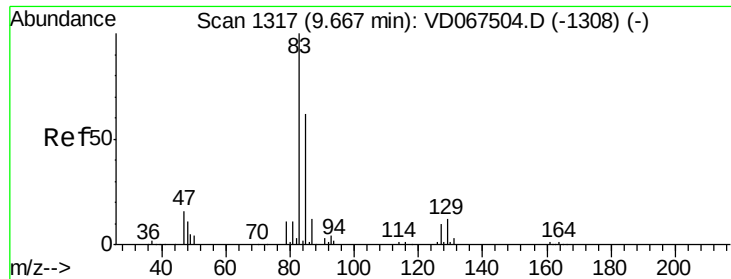
MMDadoda
 11/9/2020 10:13:26 AM



#46
 Dibromomethane
 Concen: 21.990 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067550.D
 Acq: 06 Nov 2020 14:11

Tgt Ion: 93 Resp: 30890
 Ion Ratio Lower Upper
 93 100
 95 85.7 66.4 99.6
 174 114.6 88.2 132.4





#47

Bromodichloromethane

Concen: 22.081 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Instrument :

MSVOA_D

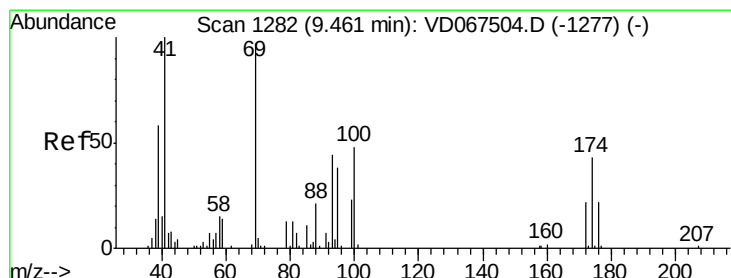
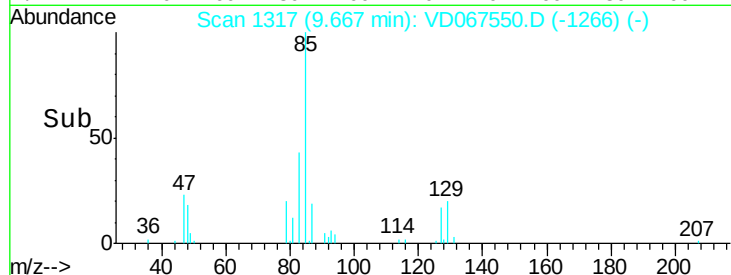
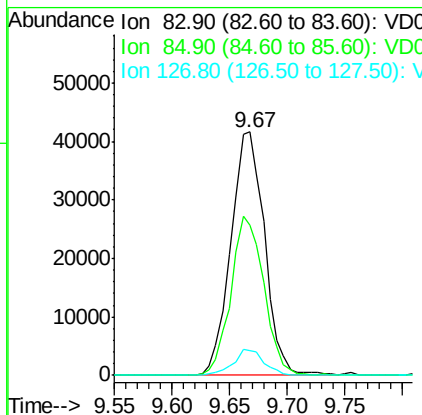
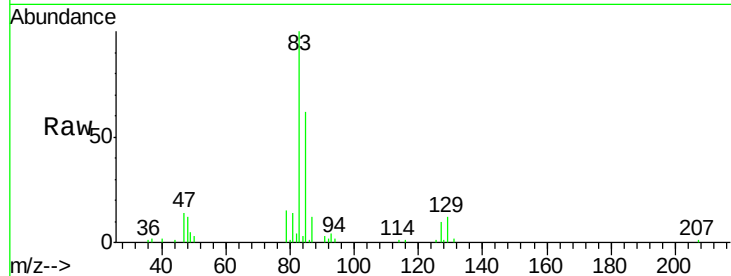
ClientSampleId :

VD1106SBS01

Tot Ion:	83	Resp:	84306
Ion	Ratio	Lower	Upper
83	100		
85	61.9	49.4	74.2
127	10.3	7.7	11.5

Manual Integrations
APPROVED

MMDadoda
11/9/2020 10:13:26 AM



#48

Methyl methacrylate

Concen: 22.484 ug/l

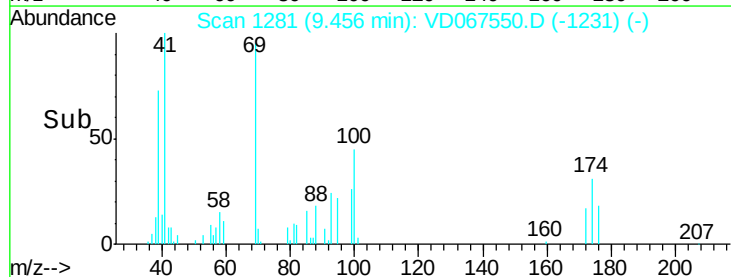
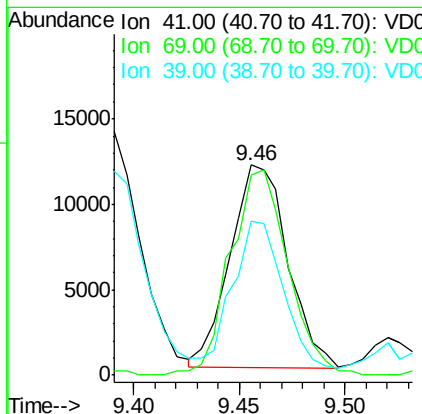
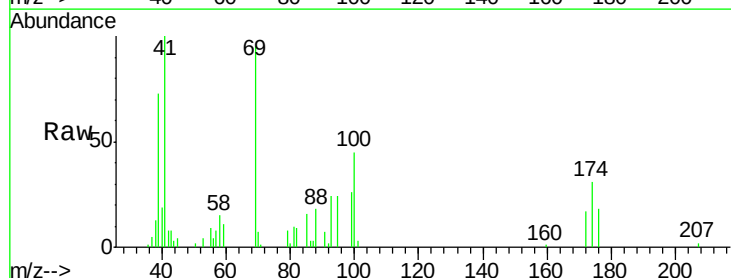
RT: 9.46 min Scan# 1281

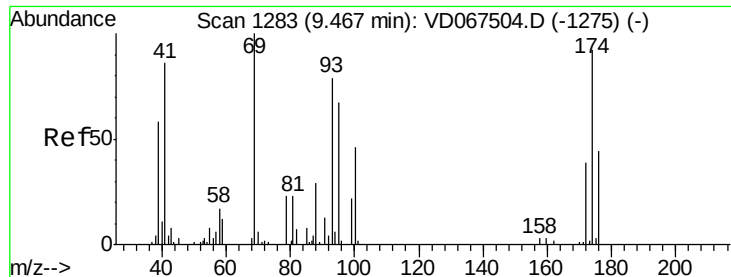
Delta R.T. -0.01 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Tgt Ion:	41	Resp:	22485
Ion	Ratio	Lower	Upper
41	100		
69	101.5	80.6	121.0
39	63.3	50.2	75.4





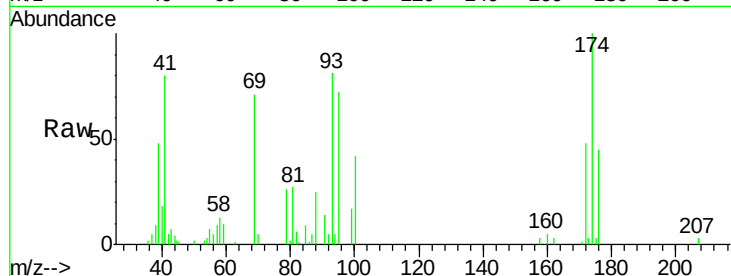
#49
1,4-Dioxane
Concen: 444.308 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

Instrument :
MSVOA_D
ClientSampleId :
VD1106SBSD01

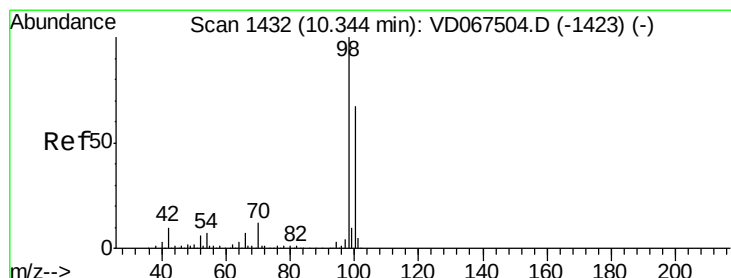
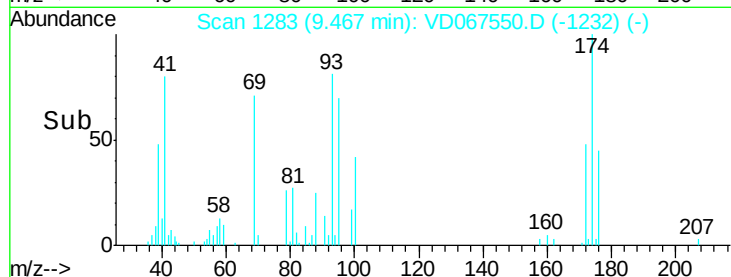
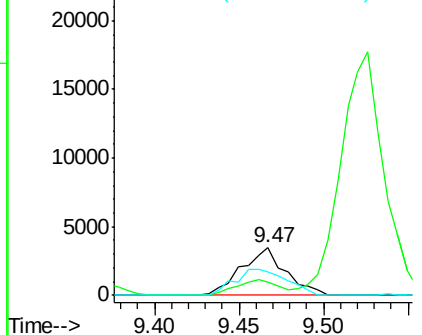
Tot Ion	88	Resp	6336
Ion	Ratio	Lower	Upper
88	100		
43	30.9	23.6	35.4
58	65.0	44.7	67.1

Manual Integrations
APPROVED

MMDadoda
11/9/2020 10:13:26 AM

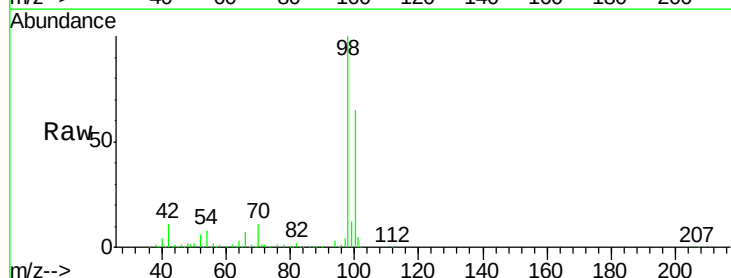


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

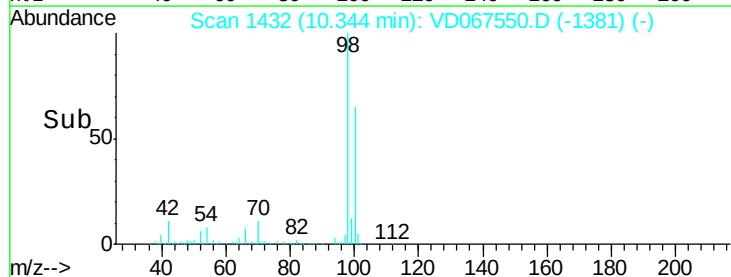
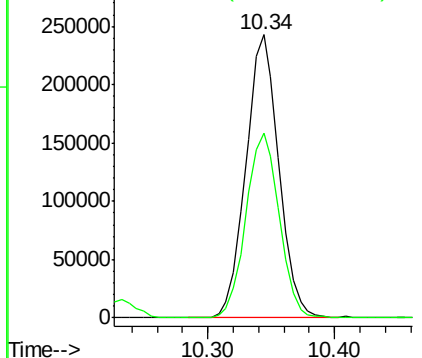


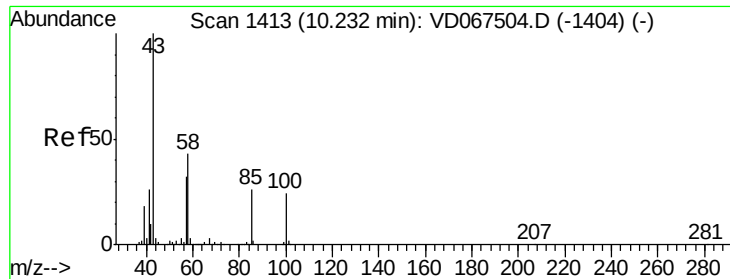
#50
Toluene-d8
Concen: 47.031 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

Tgt Ion	98	Resp	438847
Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.0	79.6



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





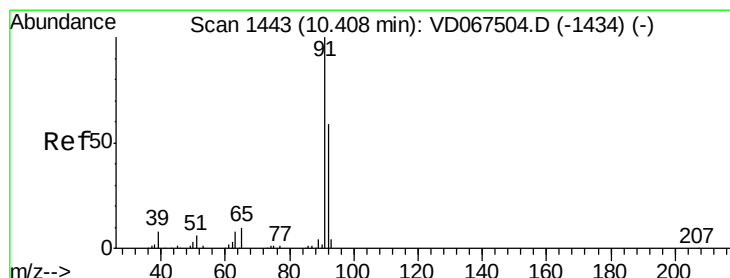
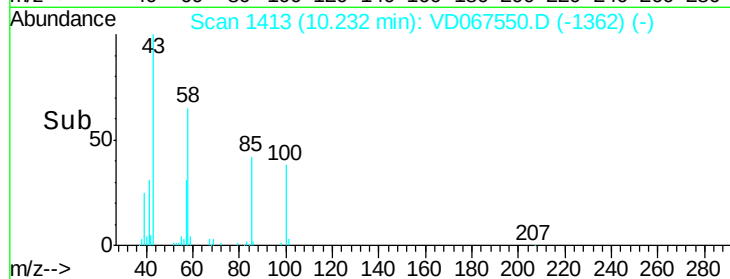
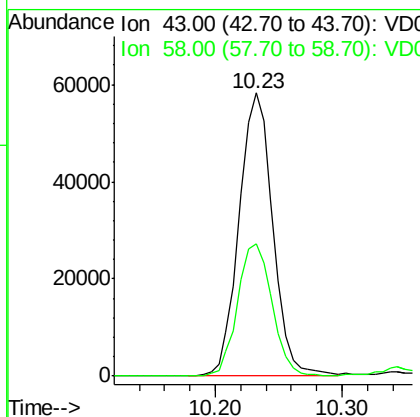
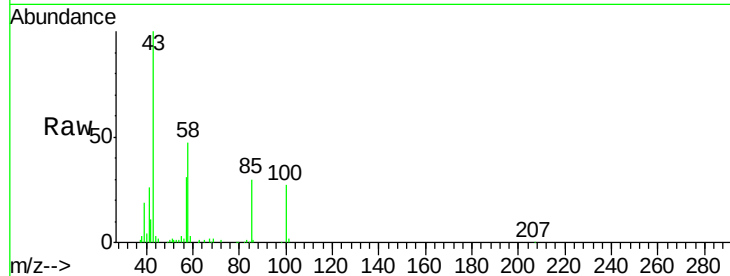
#51
 4-Methyl-2-Pentanone
 Concen: 116.455 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD067550.D
 Acq: 06 Nov 2020 14:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1106SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.4	35.6	53.4

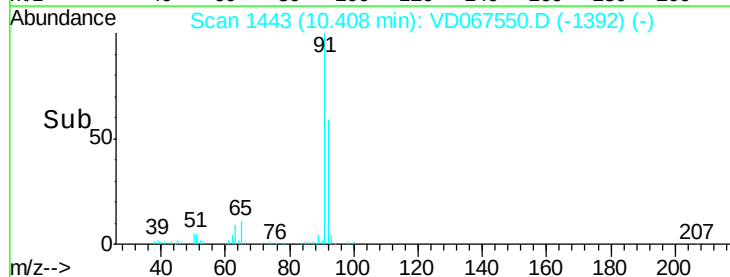
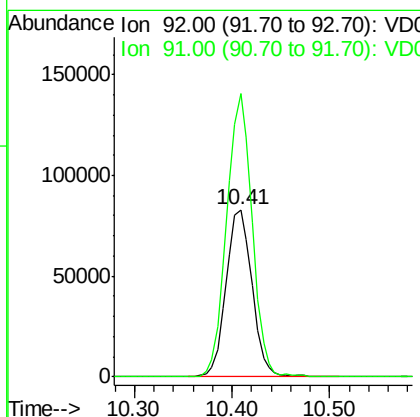
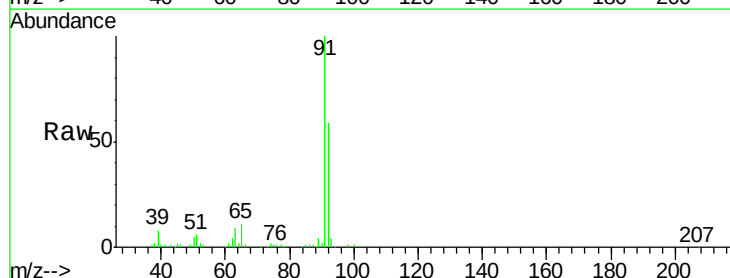
Manual Integrations
 APPROVED

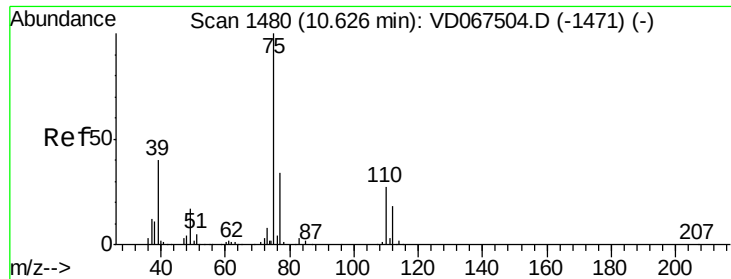
MMDadoda
 11/9/2020 10:13:26 AM



#52
 Toluene
 Concen: 22.458 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD067550.D
 Acq: 06 Nov 2020 14:11

Tgt Ion	Ratio	Lower	Upper
92	100		
91	165.7	137.0	205.6





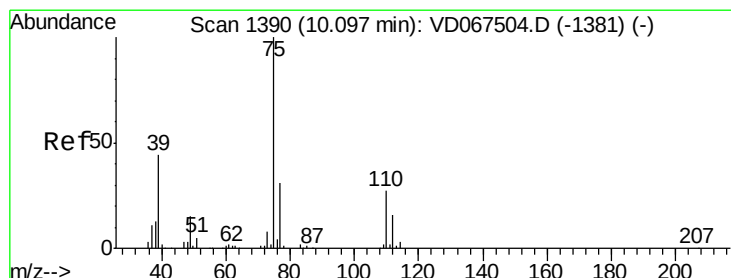
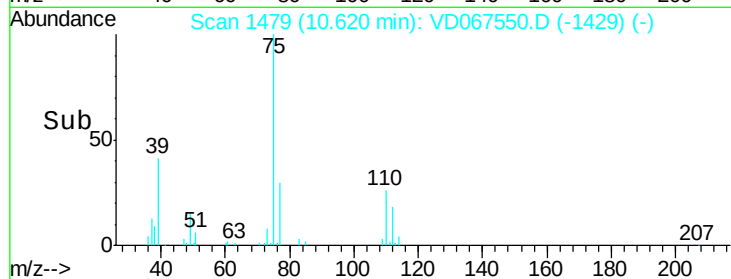
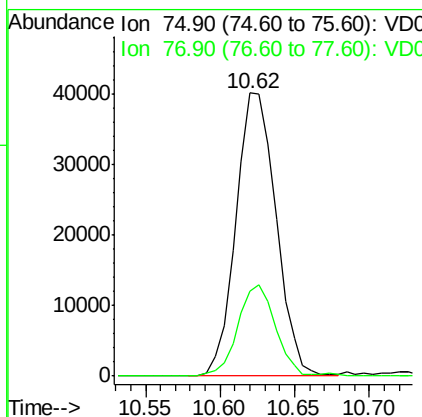
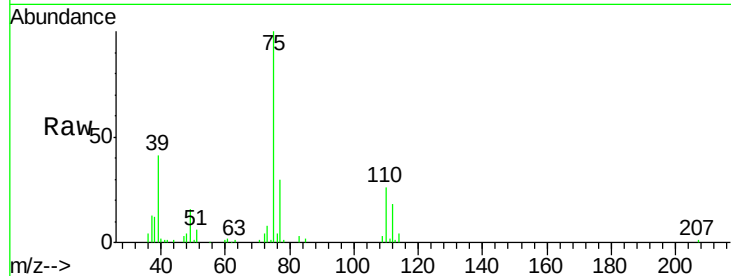
#53
 t-1,3-Dichloropropene
 Concen: 22.999 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: VD067550.D
 Acq: 06 Nov 2020 14:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1106SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.9	27.0	40.6

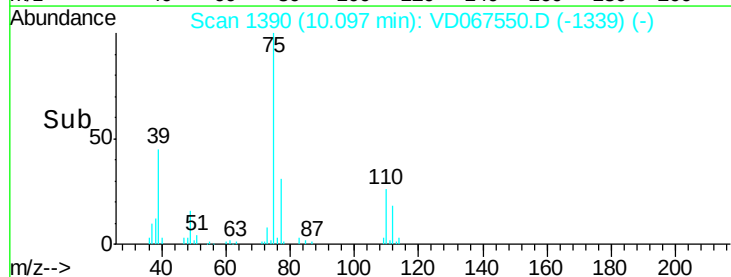
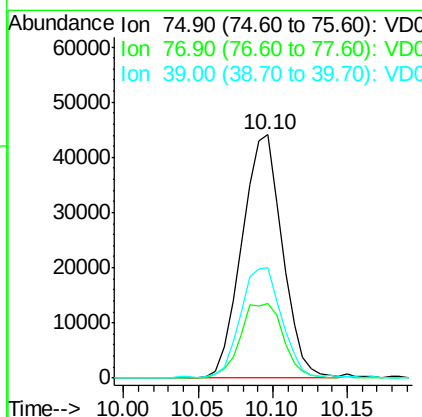
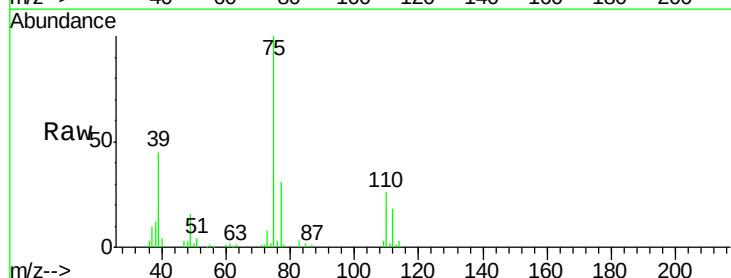
Manual Integrations
 APPROVED

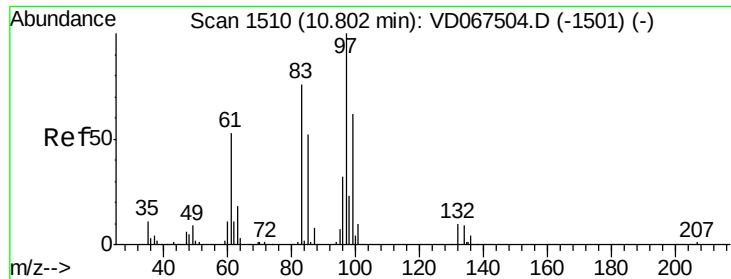
MMDadoda
 11/9/2020 10:13:26 AM



#54
 cis-1,3-Dichloropropene
 Concen: 21.277 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VD067550.D
 Acq: 06 Nov 2020 14:11

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.8	24.4	36.6
39	44.8	35.6	53.4





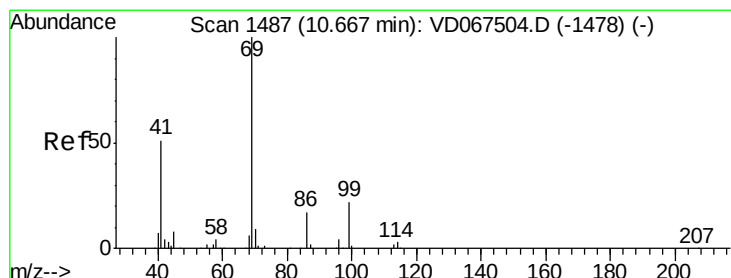
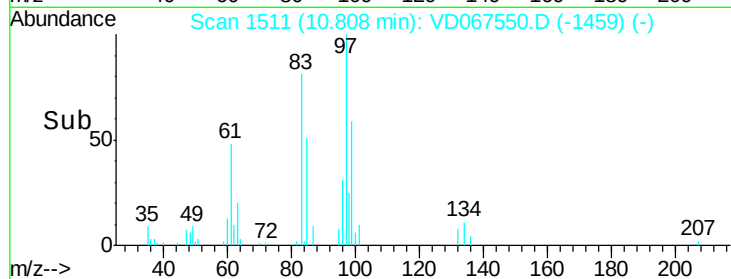
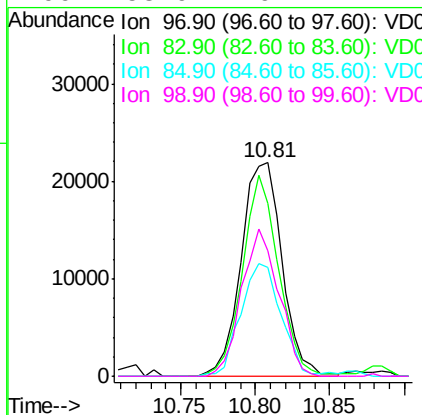
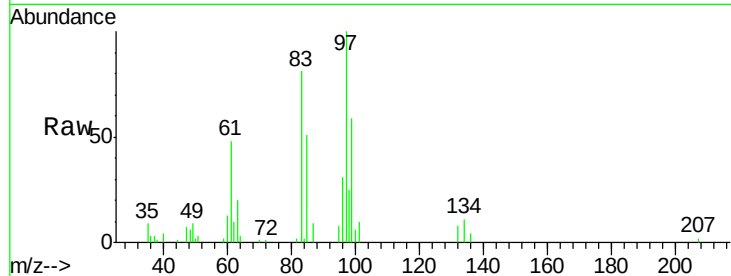
#55
 1,1,2-Trichloroethane
 Concen: 22.361 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD067550.D
 Acq: 06 Nov 2020 14:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1106SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	80.8	61.0	91.6
85	50.7	41.5	62.3
99	58.9	49.4	74.2

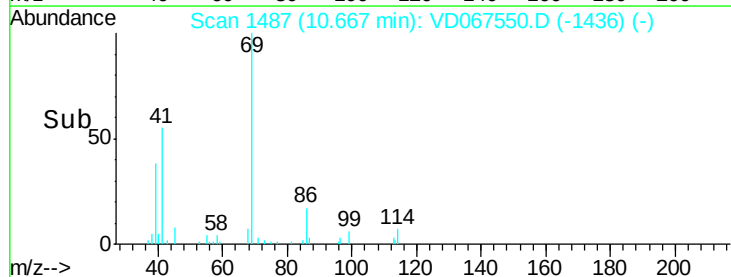
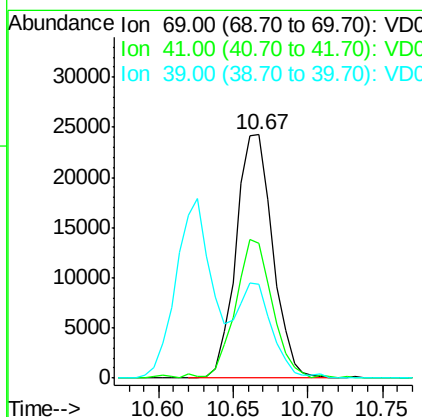
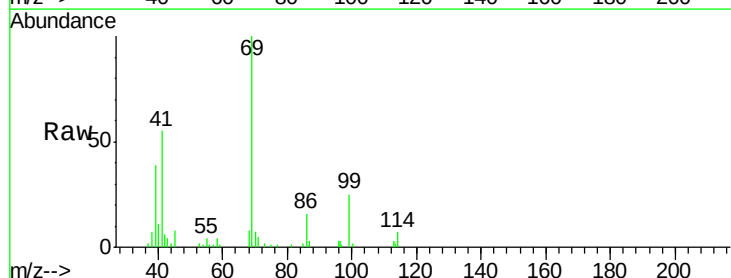
Manual Integrations
 APPROVED

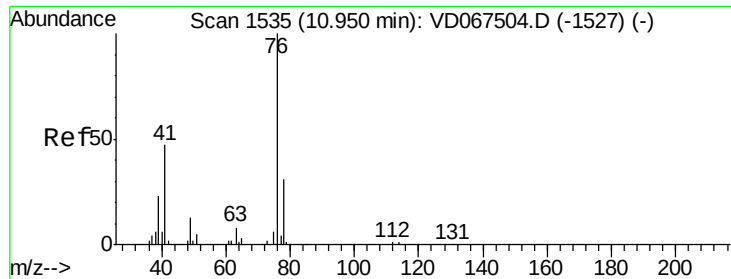
MMDadoda
 11/9/2020 10:13:26 AM



#56
 Ethyl methacrylate
 Concen: 21.561 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD067550.D
 Acq: 06 Nov 2020 14:11

Tgt Ion	Ratio	Lower	Upper
69	100		
41	58.0	45.4	68.0
39	33.6	27.4	41.0





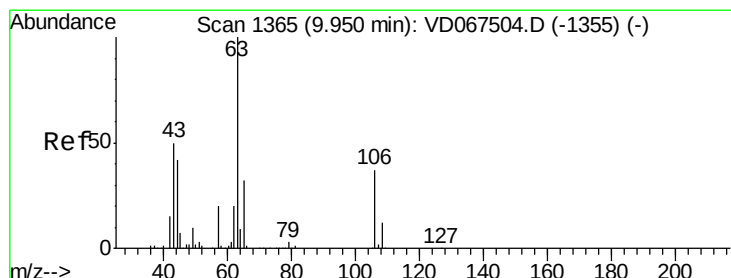
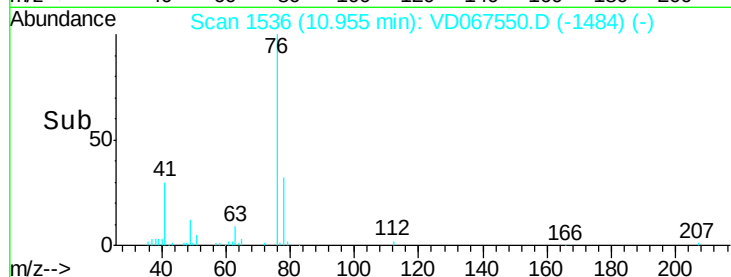
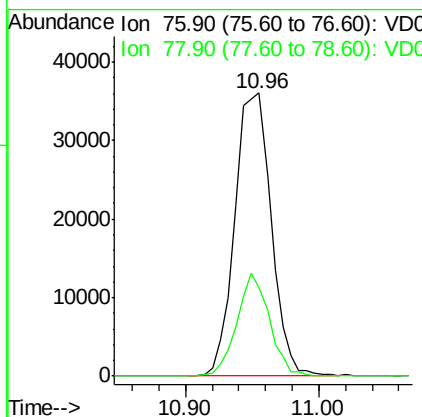
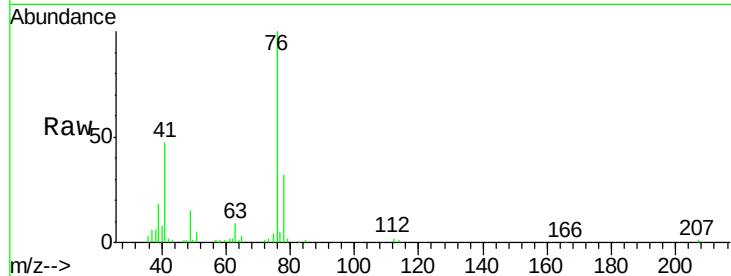
#57
 1,3-Dichloropropane
 Concen: 22.864 ug/l
 RT: 10.96 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VD067550.D
 Acq: 06 Nov 2020 14:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1106SBS01

Tot Ion: 76 Resp: 68384
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.1 39.1

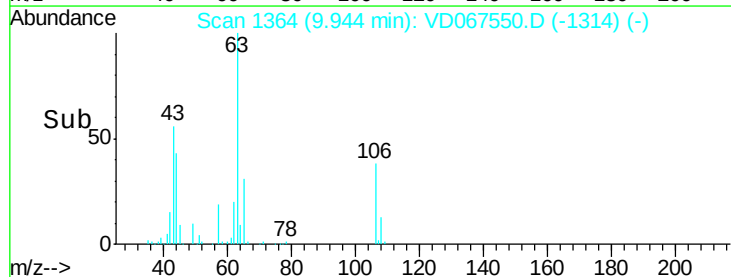
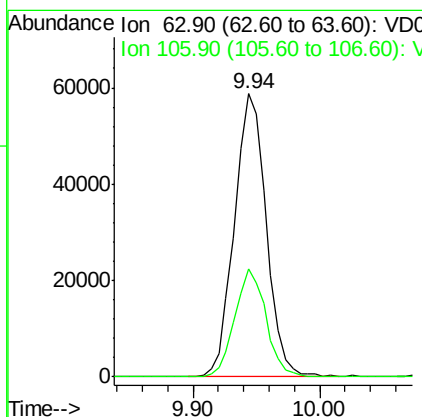
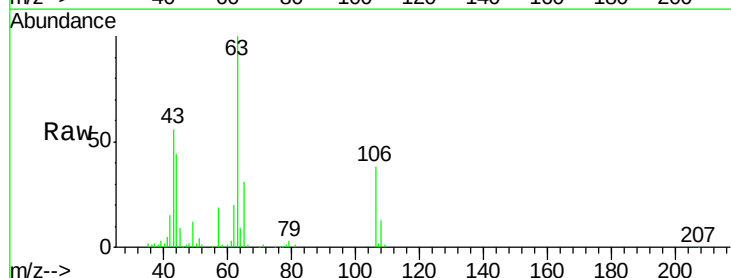
Manual Integrations
 APPROVED

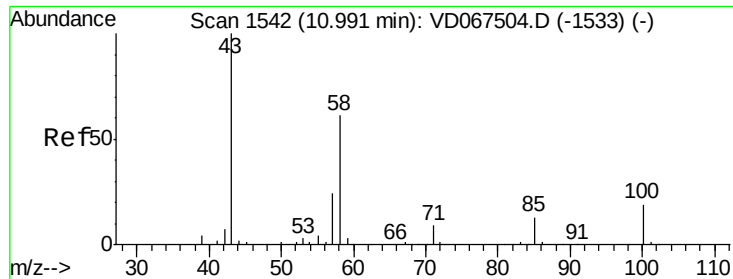
MMDadoda
 11/9/2020 10:13:26 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 114.506 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD067550.D
 Acq: 06 Nov 2020 14:11

Tgt Ion: 63 Resp: 102488
 Ion Ratio Lower Upper
 63 100
 106 37.4 29.2 43.8





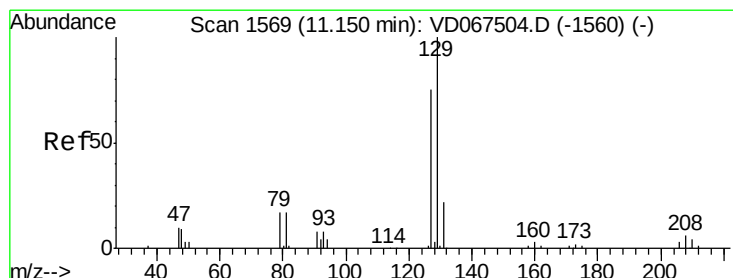
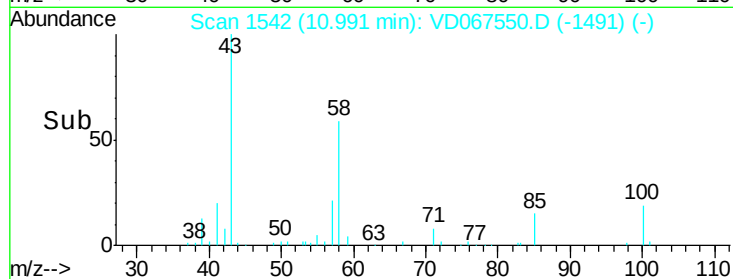
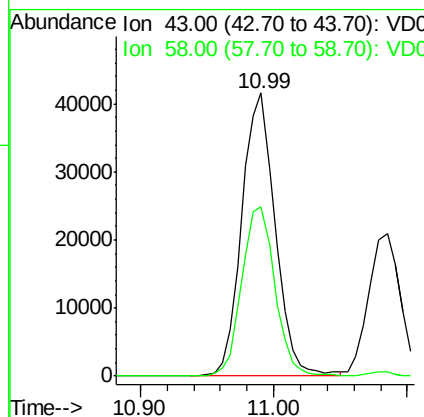
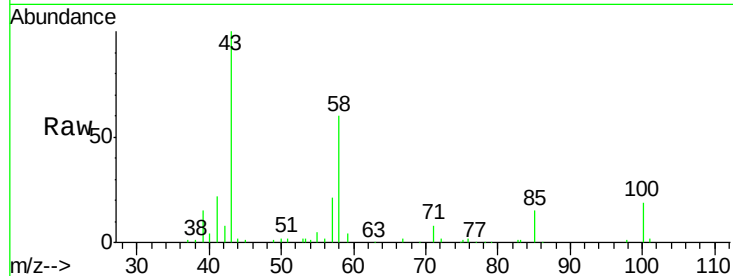
#59
2-Hexanone
Concen: 111.115 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

Instrument :
MSVOA_D
ClientSampleId :
VD1106SBS01

Tot Ion: 43 Resp: 71968
Ion Ratio Lower Upper
43 100
58 59.3 30.3 90.9

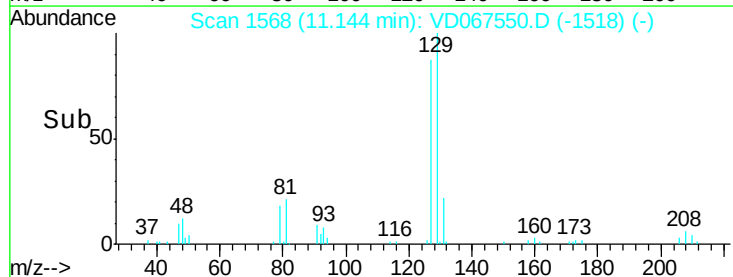
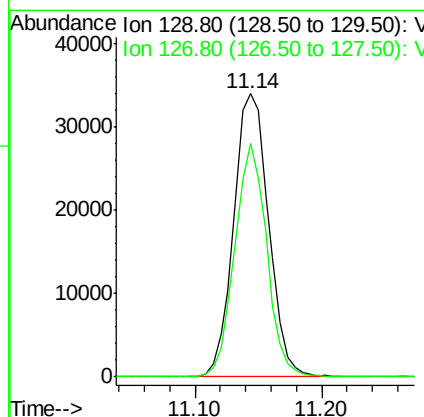
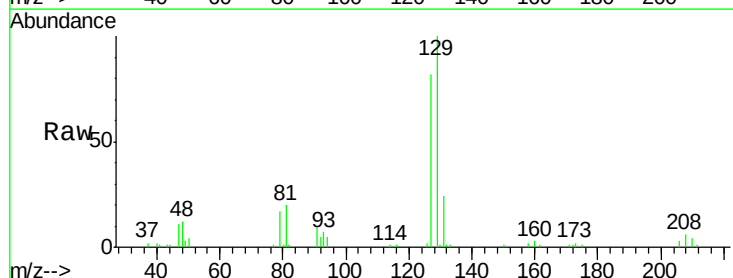
Manual Integrations
APPROVED

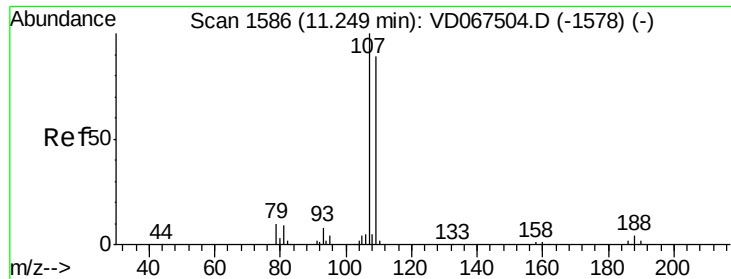
MMDadoda
11/9/2020 10:13:26 AM



#60
Dibromochloromethane
Concen: 23.522 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

Tgt Ion: 129 Resp: 64671
Ion Ratio Lower Upper
129 100
127 75.4 38.0 114.1





#61

1,2-Dibromoethane

Concen: 22.452 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD1106SBSD01

Tot Ion: 107 Resp: 41881

Ion Ratio Lower Upper

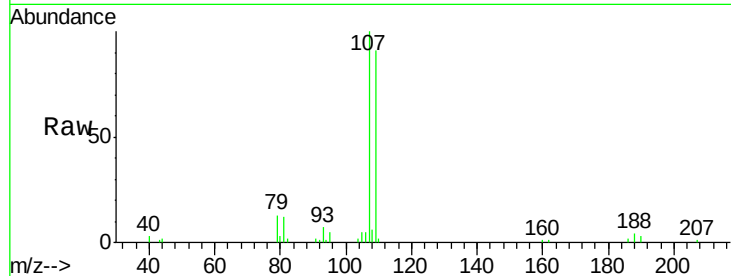
107 100

109 94.0 74.6 111.8

Manual Integrations
APPROVED

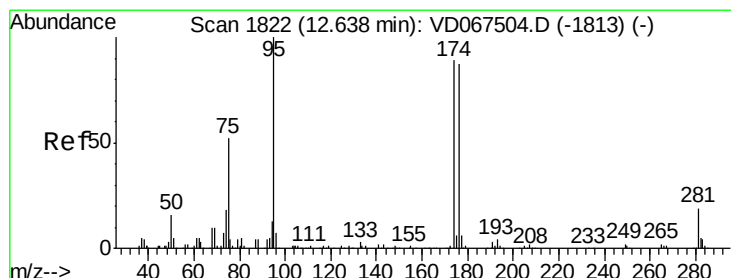
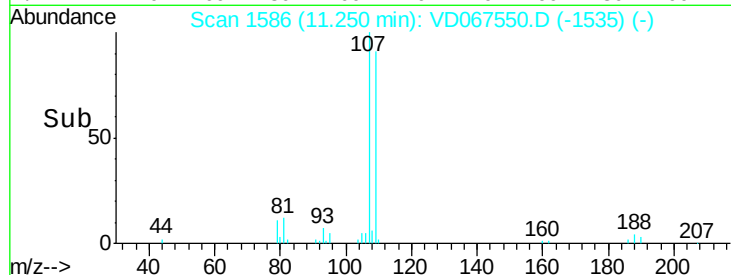
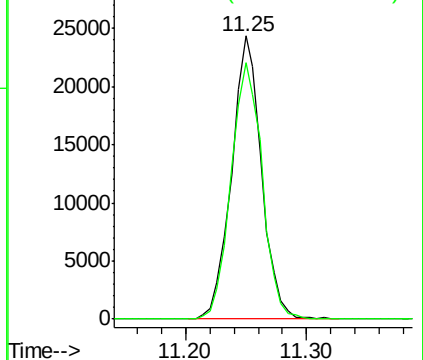
MMDadoda

11/9/2020 10:13:26 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.117 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

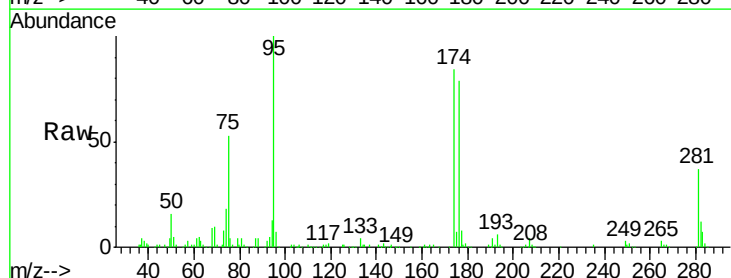
Tgt Ion: 95 Resp: 158231

Ion Ratio Lower Upper

95 100

174 89.1 0.0 177.8

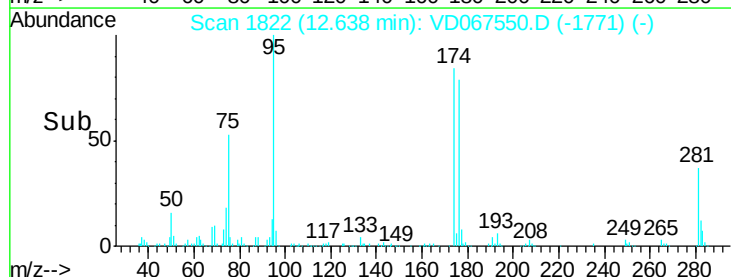
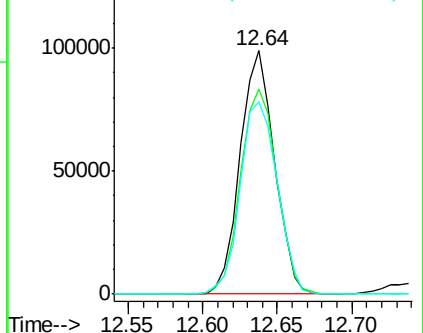
176 85.1 0.0 172.0

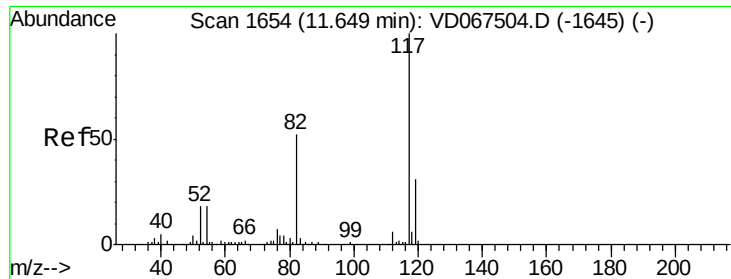


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





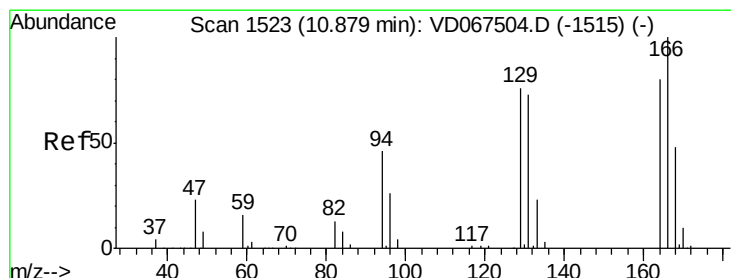
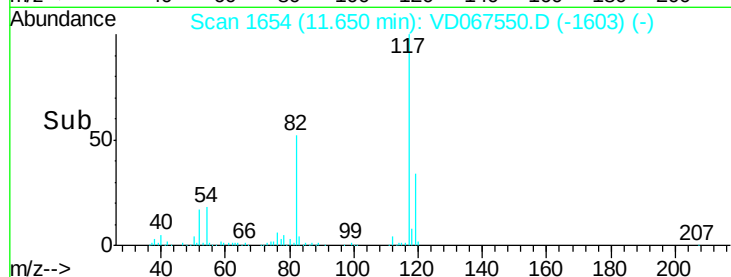
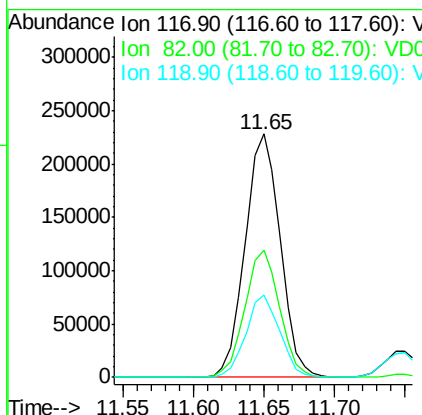
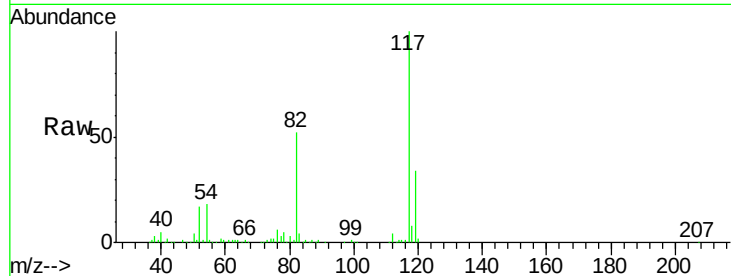
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

Instrument :
MSVOA_D
ClientSampleId :
VD1106SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	398629		
82	52.4		41.6	62.4
119	33.6		25.1	37.7

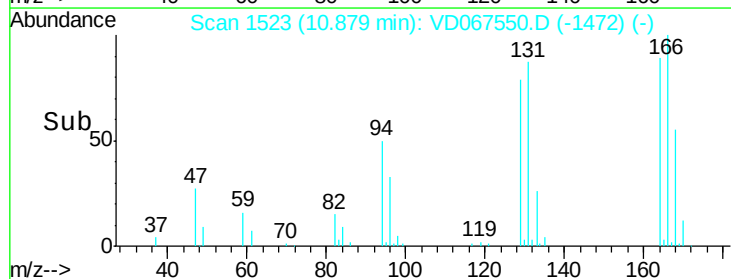
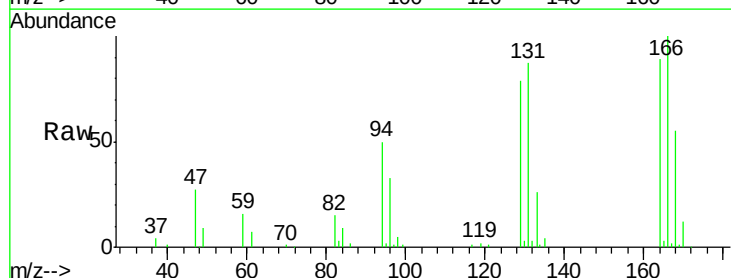
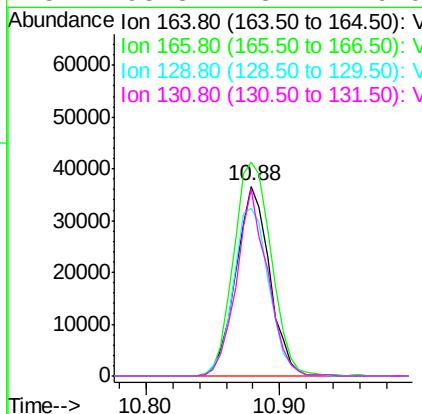
Manual Integrations
APPROVED

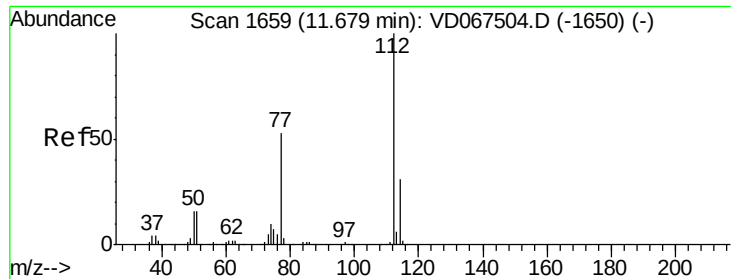
MMDadoda
11/9/2020 10:13:26 AM



#64
Tetrachloroethene
Concen: 21.801 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	64362		
166	112.4		99.9	149.9
129	88.6		75.5	113.3
131	98.3		73.4	110.0





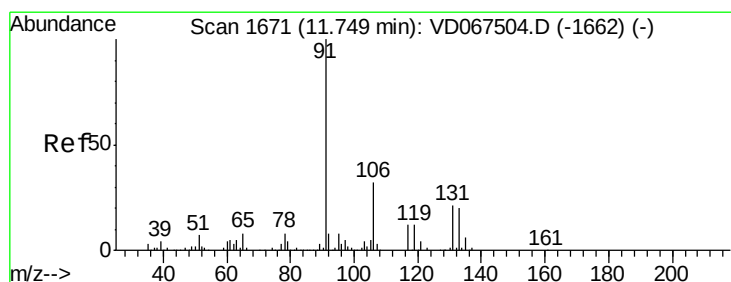
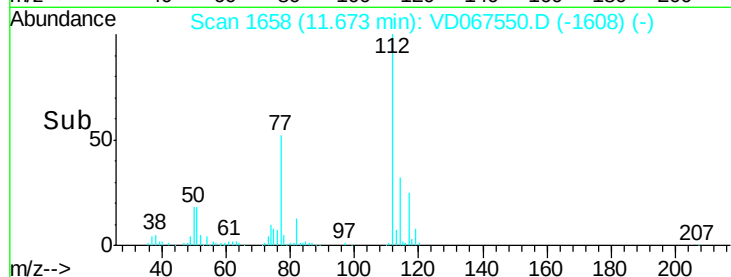
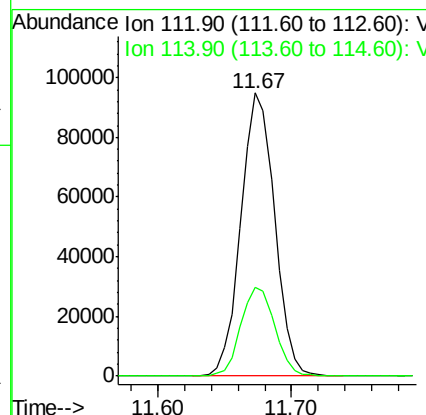
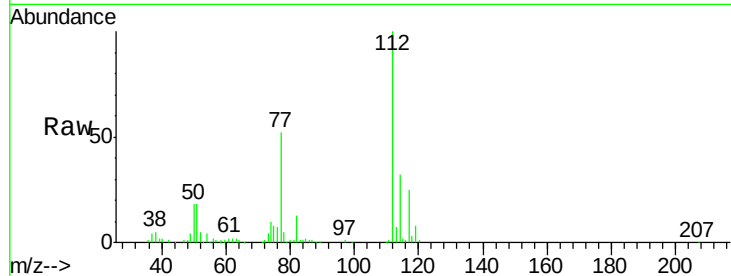
#65
Chlorobenzene
Concen: 21.612 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

Instrument :
MSVOA_D
ClientSampleId :
VD1106SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	24.9	37.3

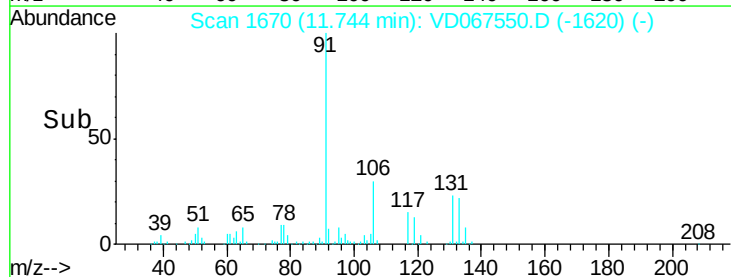
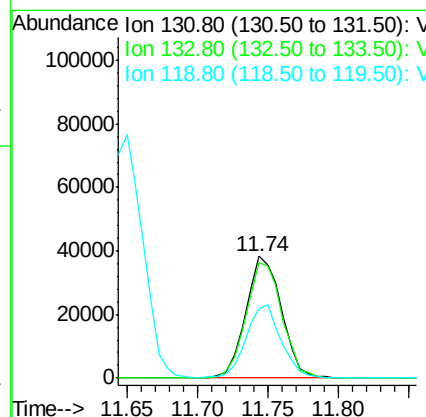
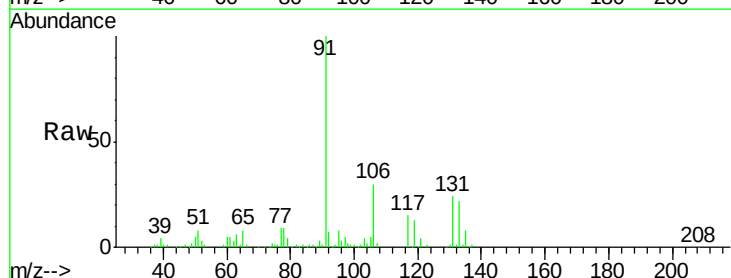
Manual Integrations
APPROVED

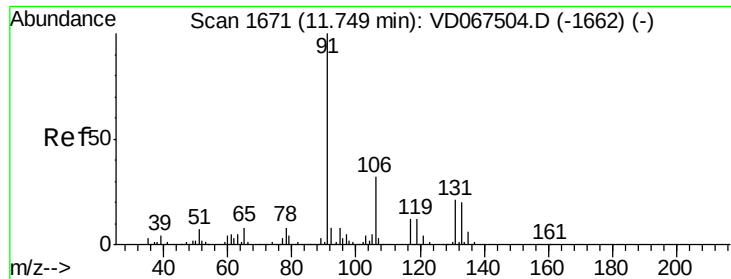
MMDadoda
11/9/2020 10:13:26 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 22.388 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	48.0	144.0
119	59.2	30.1	90.5





#67

Ethyl Benzene

Concen: 21.998 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD1106SBS01

Tot Ion: 91 Resp: 289042

Ion Ratio Lower Upper

91 100

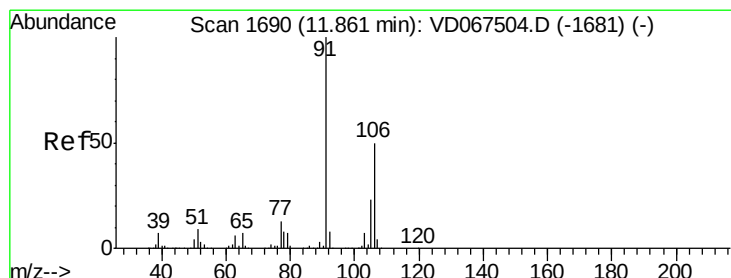
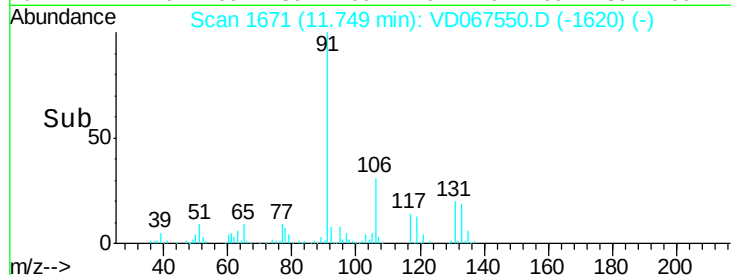
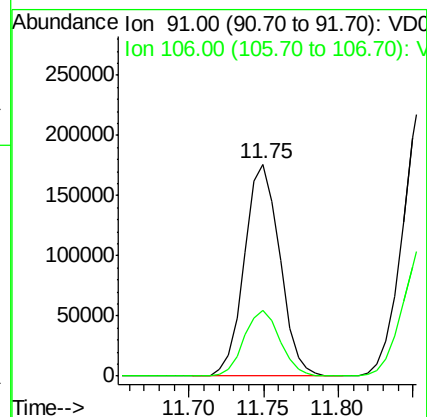
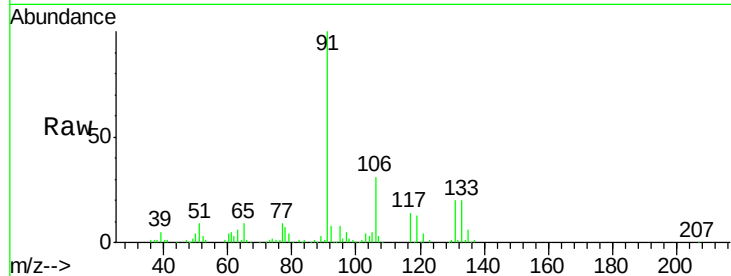
106 30.8 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

11/9/2020 10:13:26 AM



#68

m/p-Xylenes

Concen: 43.563 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD067550.D

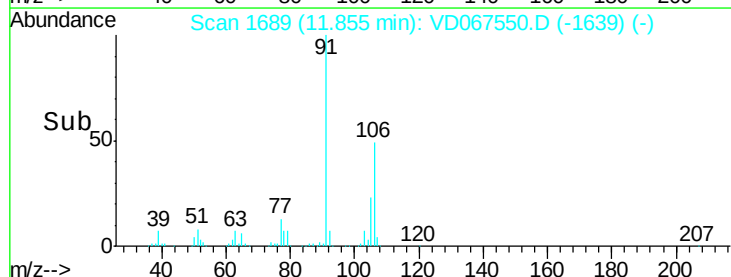
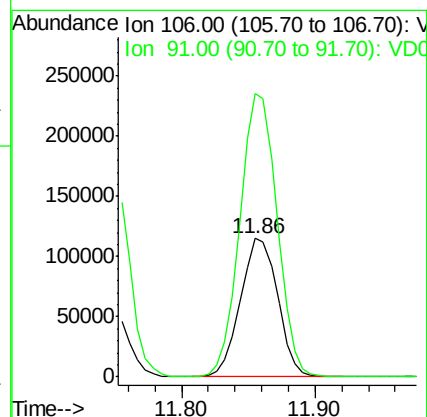
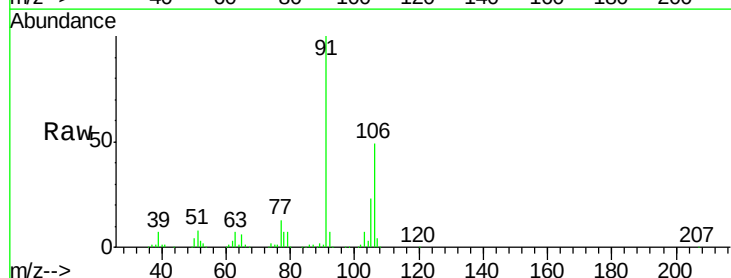
Acq: 06 Nov 2020 14:11

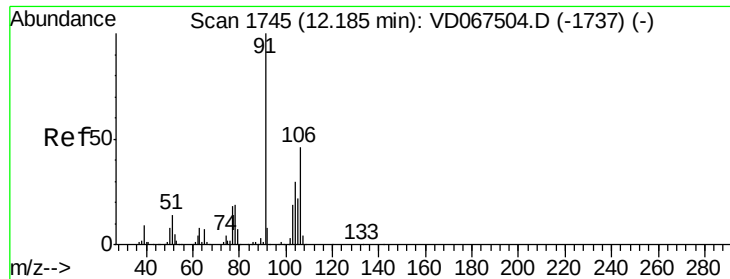
Tgt Ion: 106 Resp: 222693

Ion Ratio Lower Upper

106 100

91 203.9 162.6 244.0





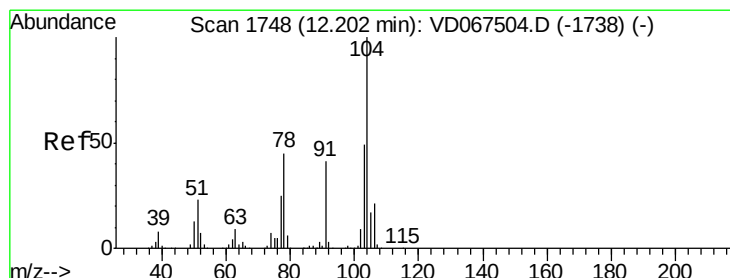
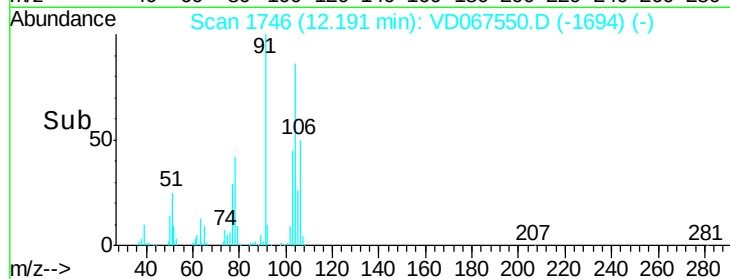
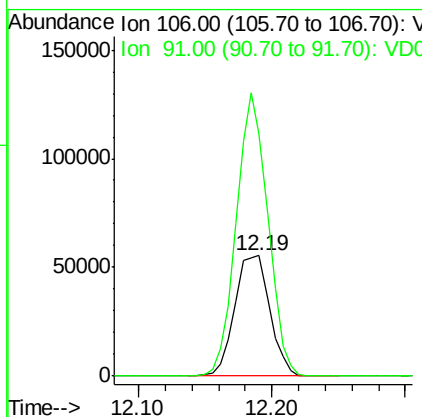
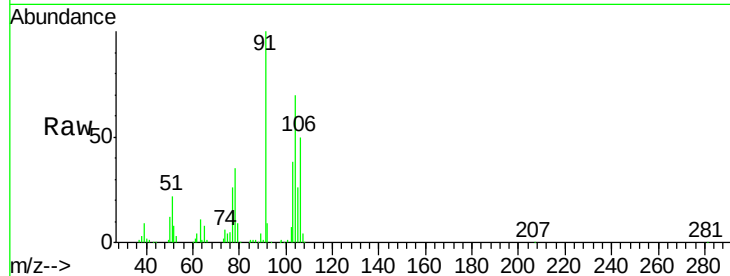
#69
o-Xylene
Concen: 22.188 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

Instrument :
MSVOA_D
ClientSampleId :
VD1106SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	101269		
91	91	210.7	107.1	321.1	

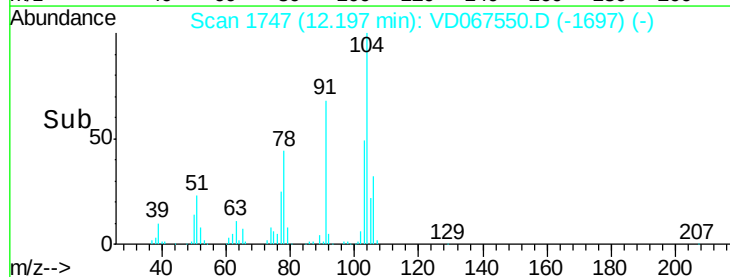
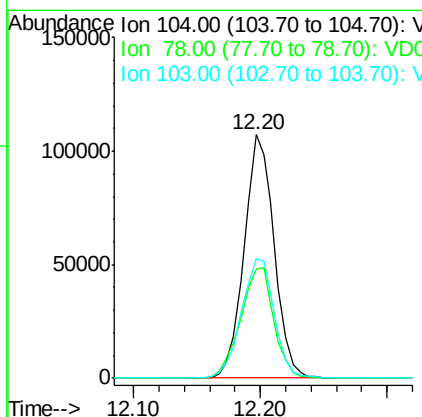
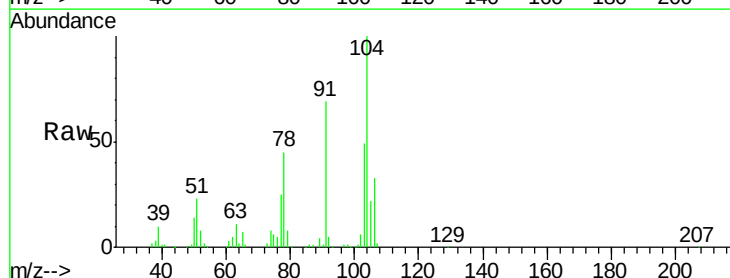
Manual Integrations
APPROVED

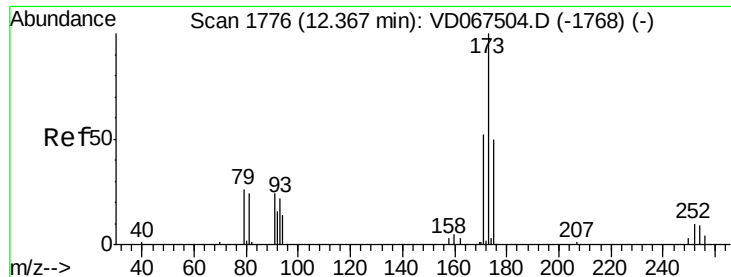
MMDadoda
11/9/2020 10:13:26 AM



#70
Styrene
Concen: 22.144 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	176114		
78	78	50.3	39.8	59.8	
103	103	53.9	43.9	65.9	





#71

Bromoform

Concen: 23.463 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD1106SBS01

Tot Ion:173 Resp: 36215

Ion Ratio Lower Upper

173 100

175 46.8 24.1 72.2

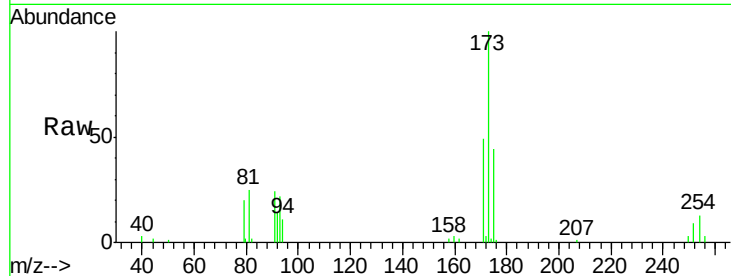
254 0.0 0.0 0.0

Manual Integrations

APPROVED

MMDadoda

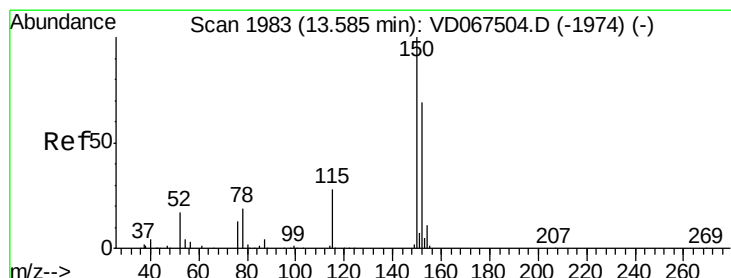
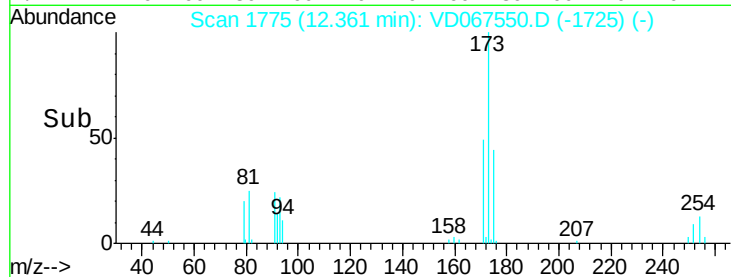
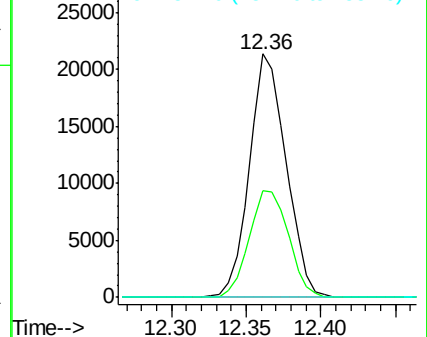
11/9/2020 10:13:26 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

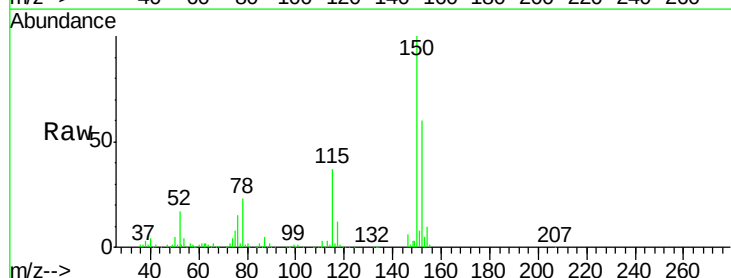
Tgt Ion:152 Resp: 199558

Ion Ratio Lower Upper

152 100

115 60.4 29.3 88.0

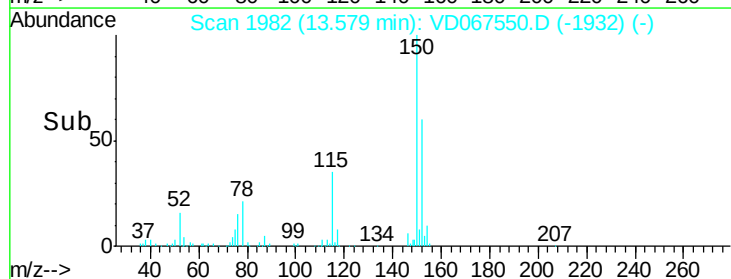
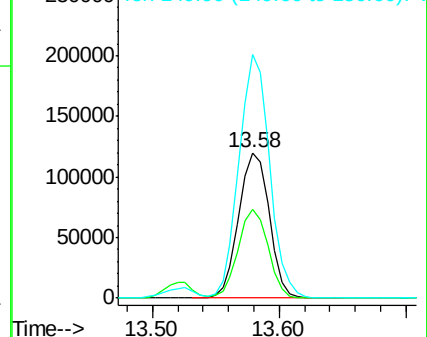
150 168.8 0.0 338.2

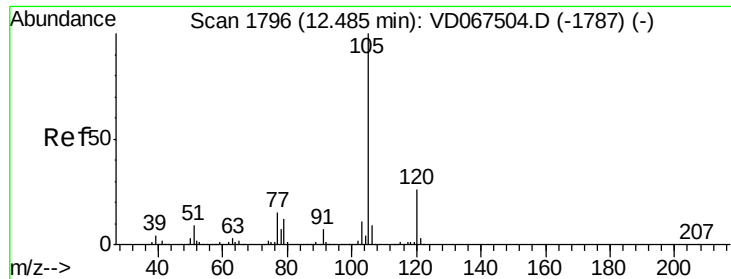


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.521 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD1106SBS01

Tot Ion: 105 Resp: 277556

Ion Ratio Lower Upper

105 100

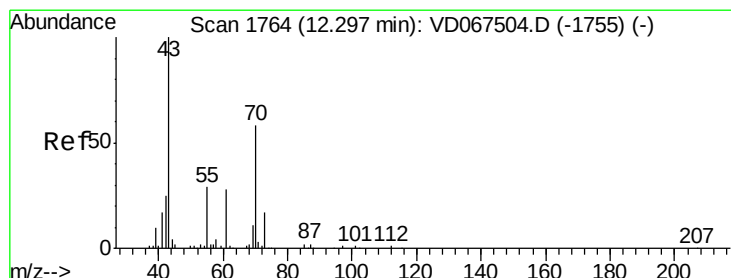
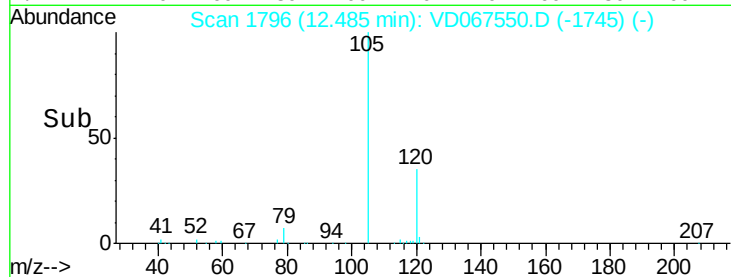
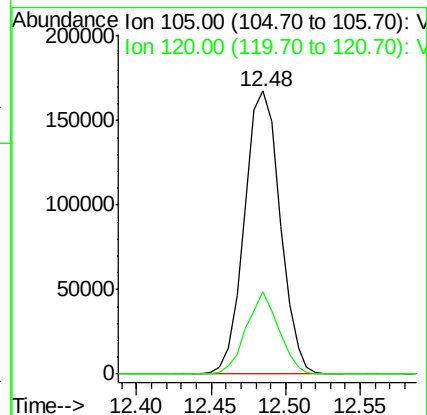
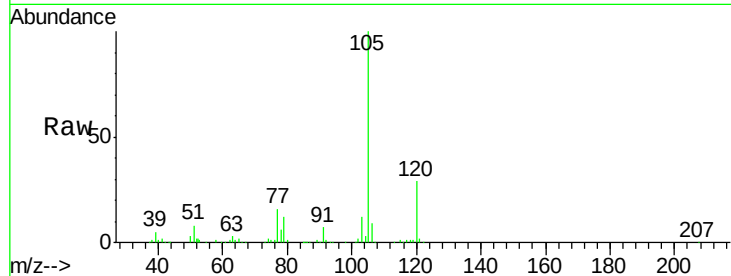
120 26.6 13.2 39.6

Manual Integrations

APPROVED

MMDadoda

11/9/2020 10:13:26 AM



#74

N-ethyl acetate

Concen: 21.792 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Tgt Ion: 43 Resp: 36982

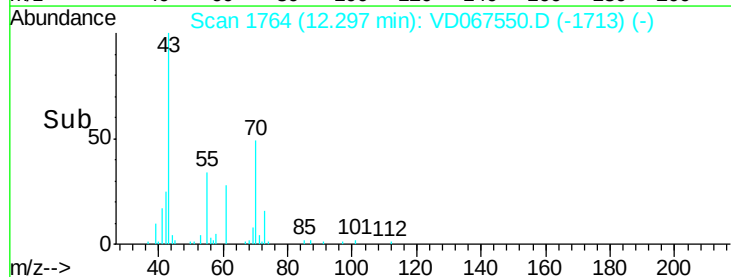
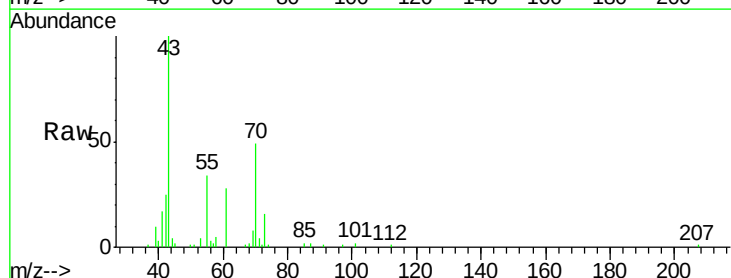
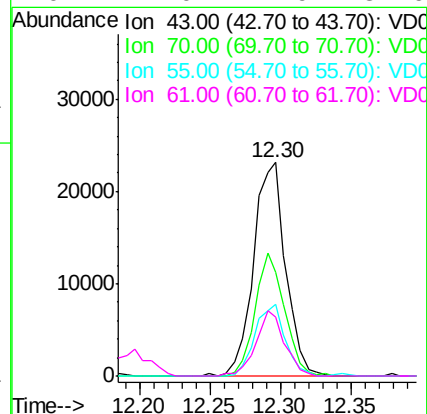
Ion Ratio Lower Upper

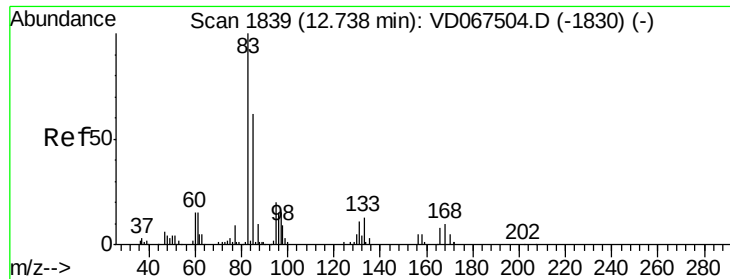
43 100

70 52.9 42.6 64.0

55 31.7 23.7 35.5

61 27.0 21.9 32.9





#75

1,1,2,2-Tetrachloroethane

Concen: 22.681 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Instrument :

MSVOA_D

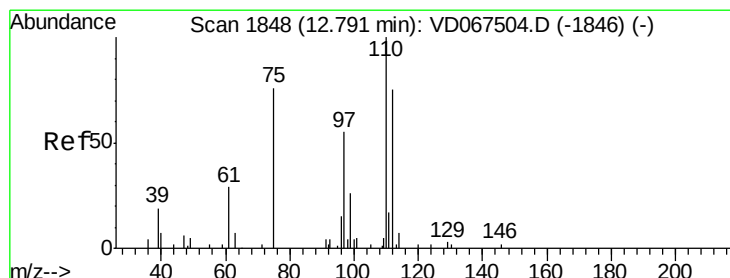
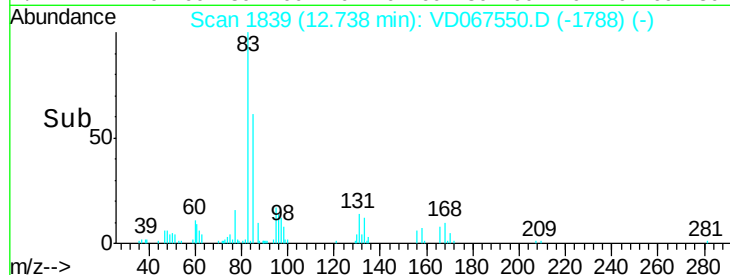
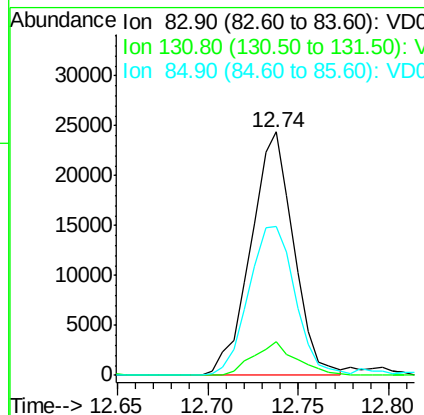
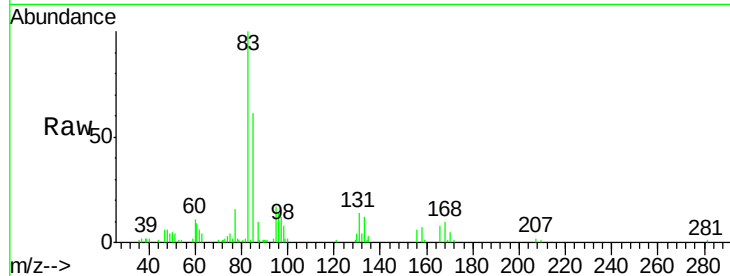
ClientSampleId :

VD1106SBS01

Tot Ion:	83	Resp:	39889
Ion Ratio	Lower	Upper	
83	100		
131	14.0	7.1	21.3
85	66.7	32.9	98.7

Manual Integrations
APPROVED

MMDadoda
11/9/2020 10:13:26 AM



#76

1,2,3-Trichloropropane

Concen: 20.998 ug/l m

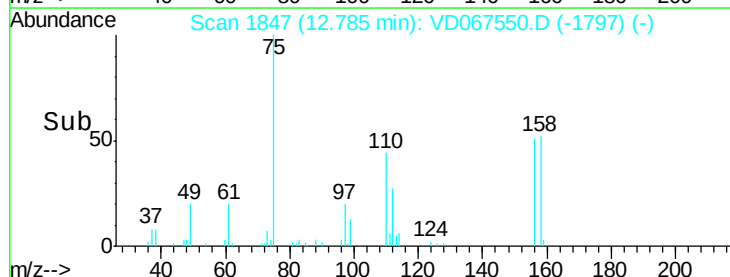
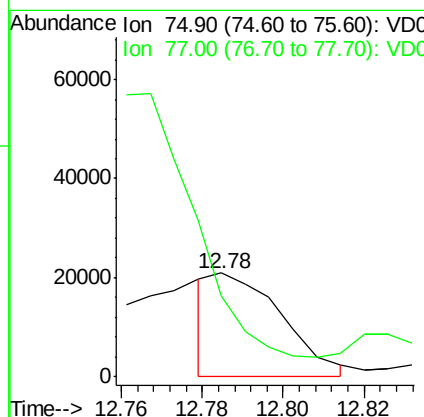
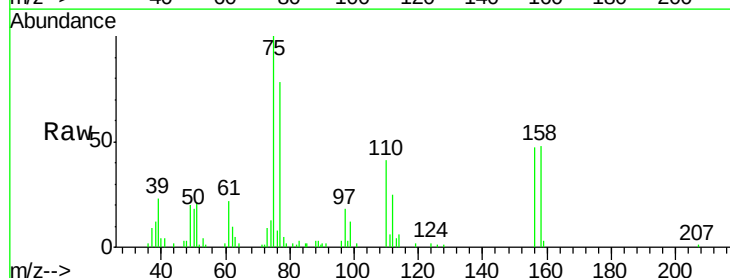
RT: 12.78 min Scan# 1847

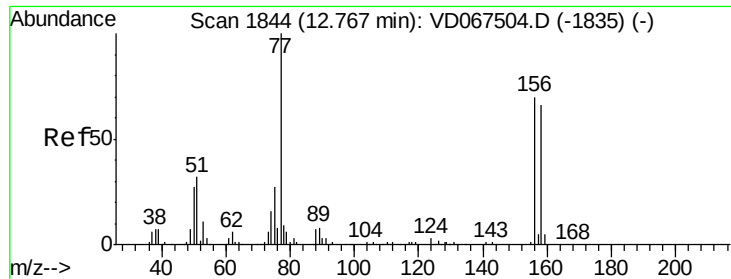
Delta R.T. -0.01 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Tgt Ion:	75	Resp:	25278
Ion Ratio	Lower	Upper	
75	100		
77	430.0	0.0	0.0#





#77

Bromobenzene

Concen: 21.478 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Instrument :

MSVOA_D

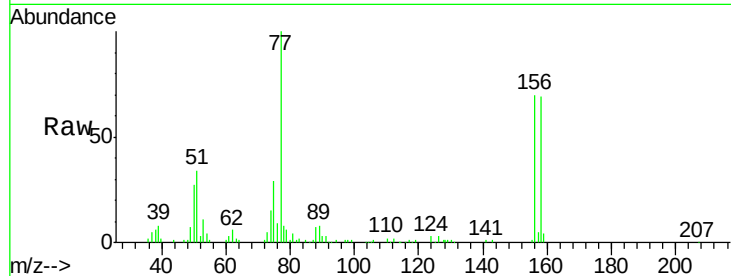
ClientSampleId :

VD1106SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	159.8	77.8	233.5
158	101.1	47.9	143.7

Manual Integrations
APPROVED

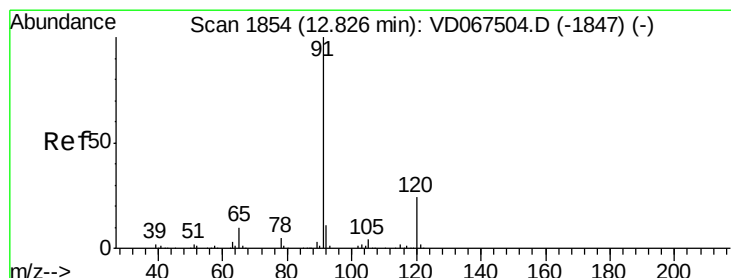
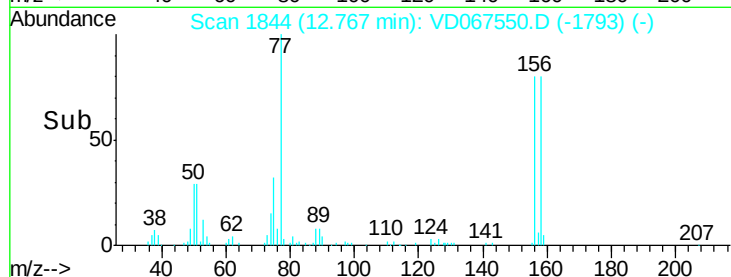
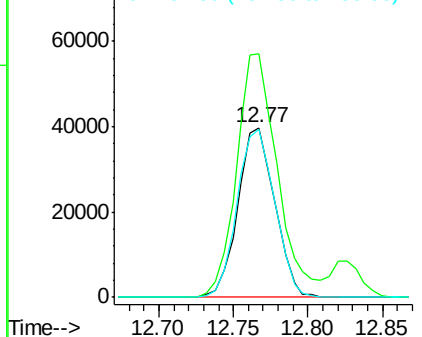
MMDadoda
11/9/2020 10:13:26 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.418 ug/l

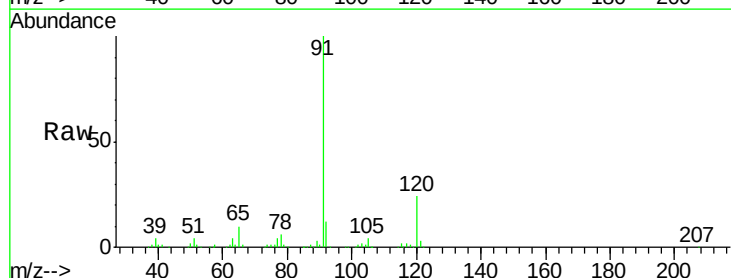
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067550.D

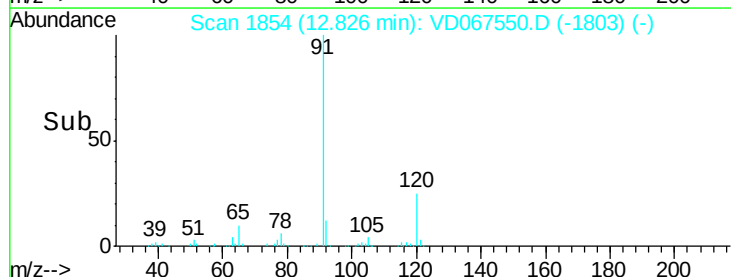
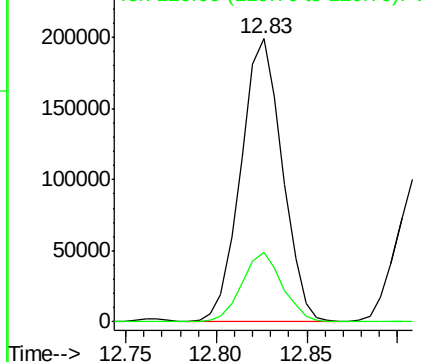
Acq: 06 Nov 2020 14:11

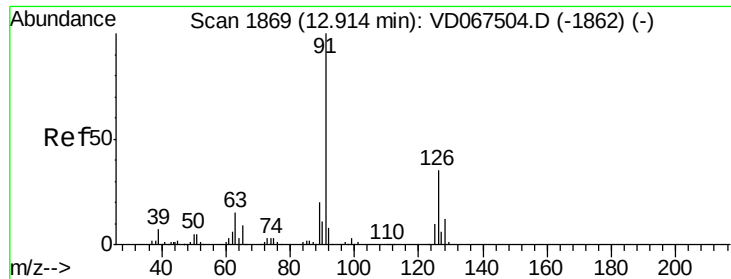
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.9	12.2	36.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.869 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD1106SBS01

Tot Ion: 91 Resp: 183257

Ion Ratio Lower Upper

91 100

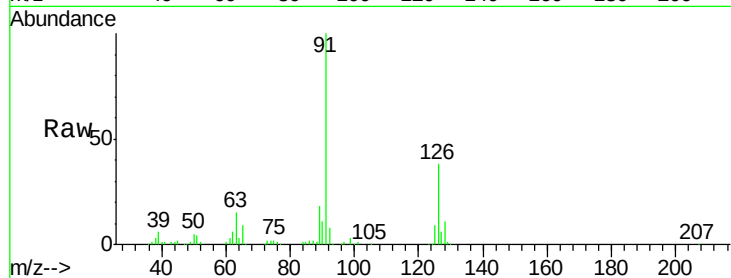
126 36.3 17.8 53.4

Manual Integrations

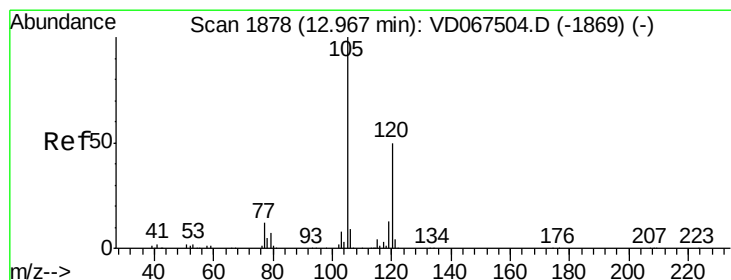
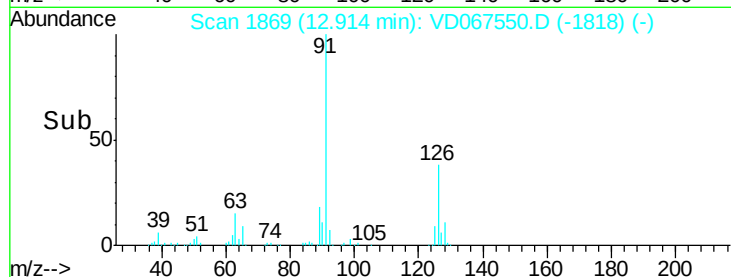
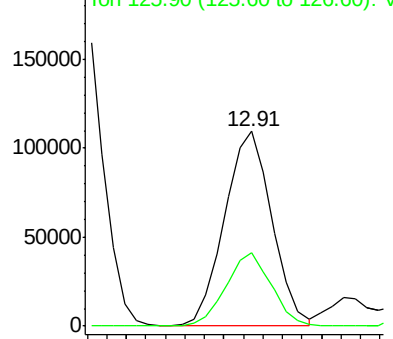
APPROVED

MMDadoda

11/9/2020 10:13:26 AM



Abundance Ion 91.00 (90.70 to 91.70): VD067504.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.058 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067550.D

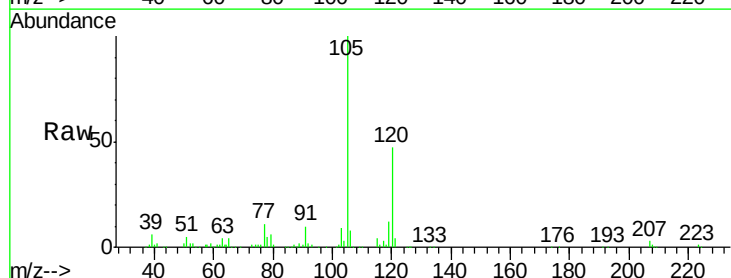
Acq: 06 Nov 2020 14:11

Tgt Ion: 105 Resp: 243018

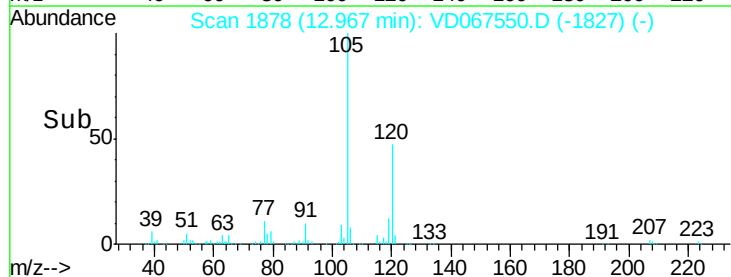
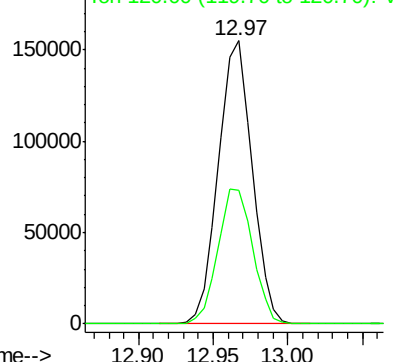
Ion Ratio Lower Upper

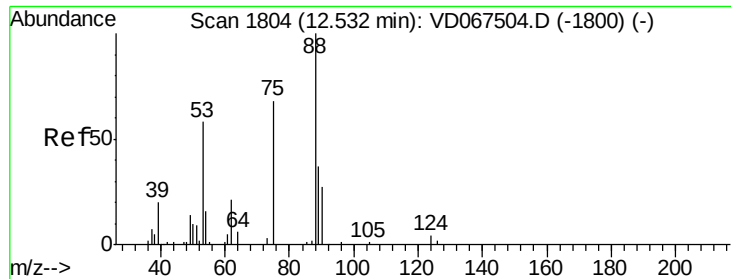
105 100

120 49.1 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VD067504.D (-1869) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 21.732 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Instrument :

MSVOA_D

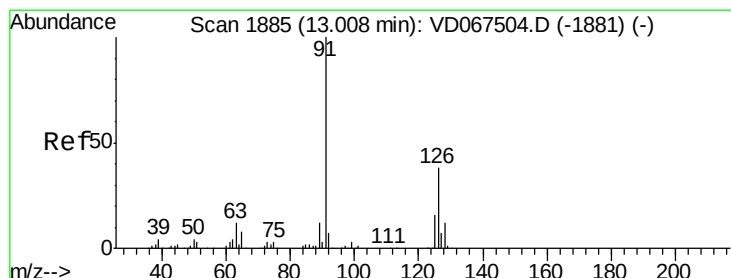
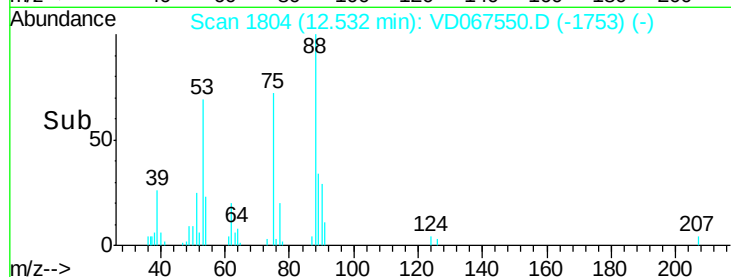
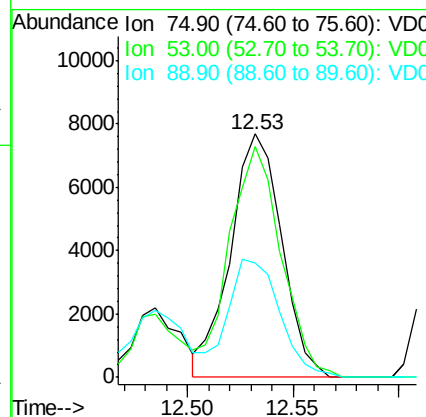
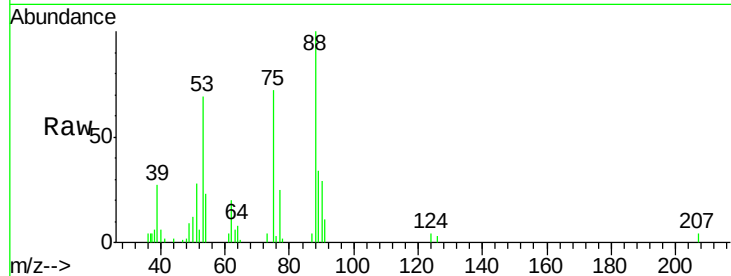
ClientSampleId :

VD1106SBS01

Tot Ion:	75	Resp:	12886
Ion	Ratio	Lower	Upper
75	100		
53	96.4	75.9	113.9
89	48.3	44.6	67.0

Manual Integrations
APPROVED

MMDadoda
11/9/2020 10:13:26 AM



#82

4-Chlorotoluene

Concen: 21.898 ug/l

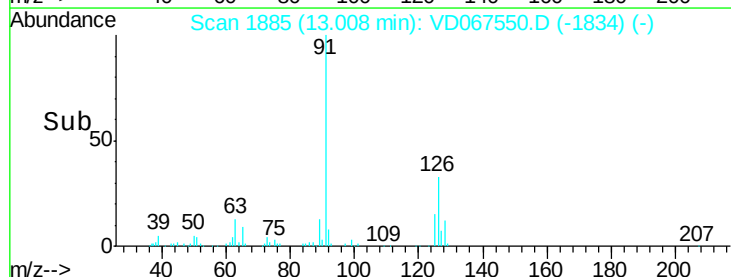
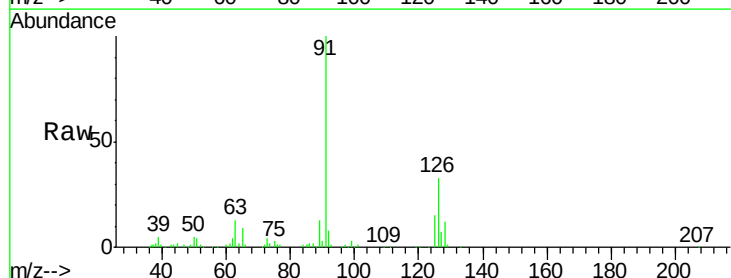
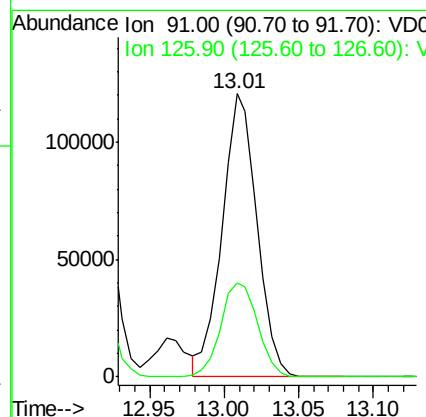
RT: 13.01 min Scan# 1885

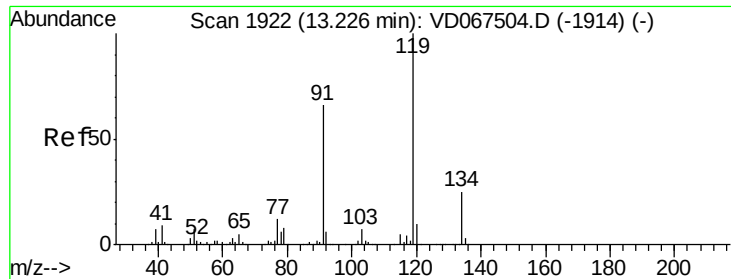
Delta R.T. 0.00 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Tgt Ion:	91	Resp:	196811
Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.9	53.7





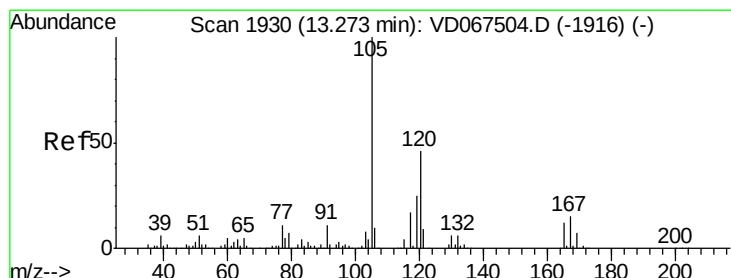
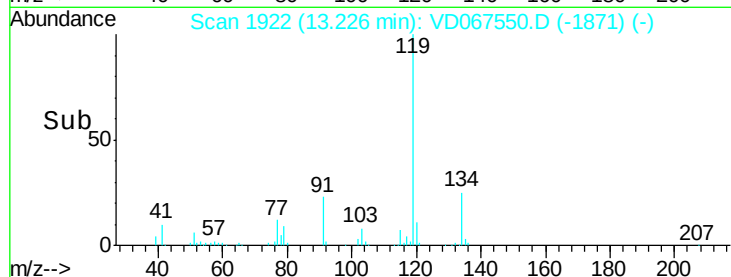
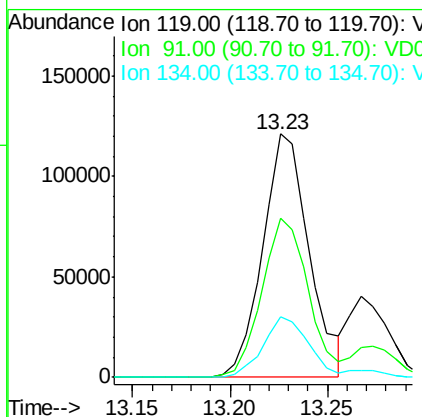
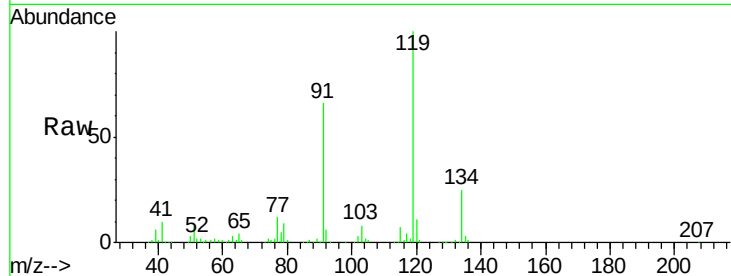
#83
tert-Butylbenzene
Concen: 21.465 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

Instrument :
MSVOA_D
ClientSampleId :
VD1106SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	200423		
91	65.0		32.7	98.1
134	25.4		13.4	40.2

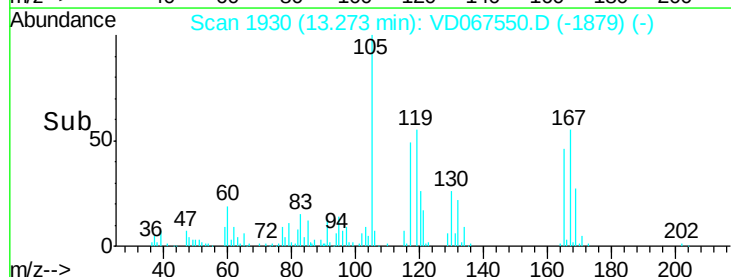
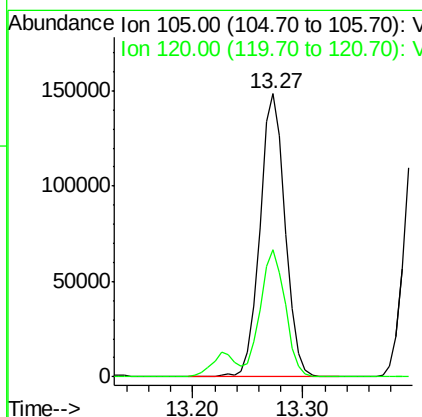
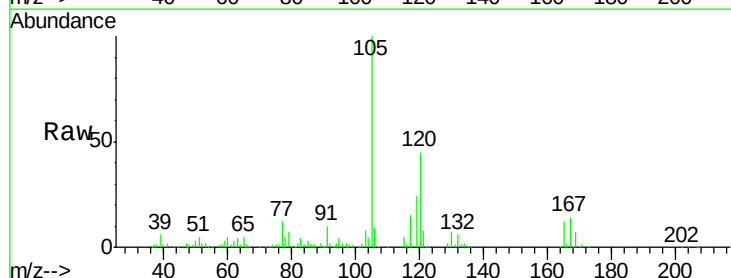
Manual Integrations
APPROVED

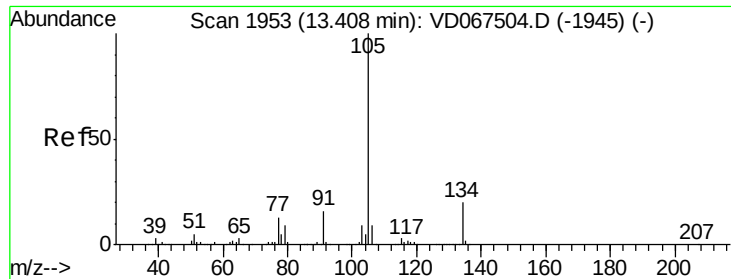
MMDadoda
11/9/2020 10:13:26 AM



#84
1,2,4-Trimethylbenzene
Concen: 21.688 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	237844		
120	44.3		22.1	66.1





#85

sec-Butylbenzene

Concen: 21.497 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD1106SBS01

Tot Ion:105 Resp: 270972

Ion Ratio Lower Upper

105 100

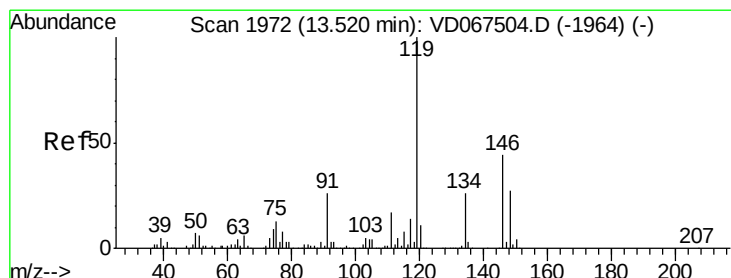
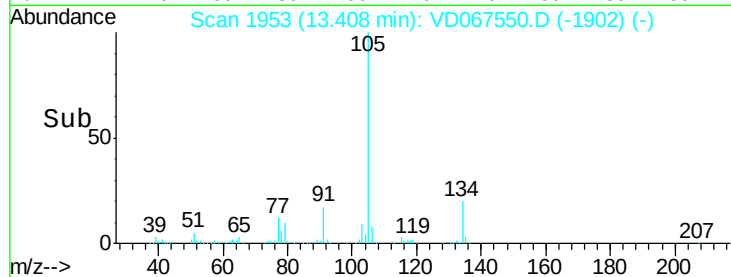
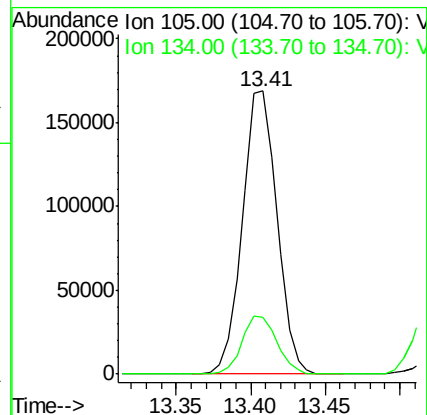
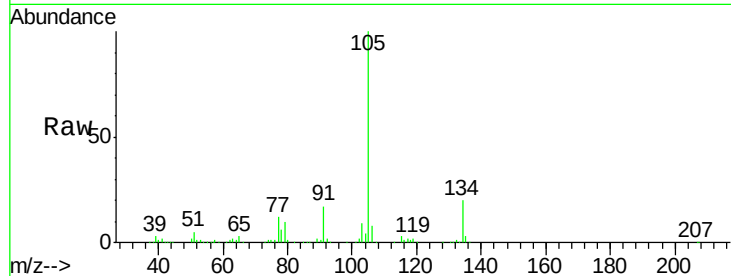
134 20.9 10.4 31.4

Manual Integrations

APPROVED

MMDadoda

11/9/2020 10:13:26 AM



#86

p-Isopropyltoluene

Concen: 20.977 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

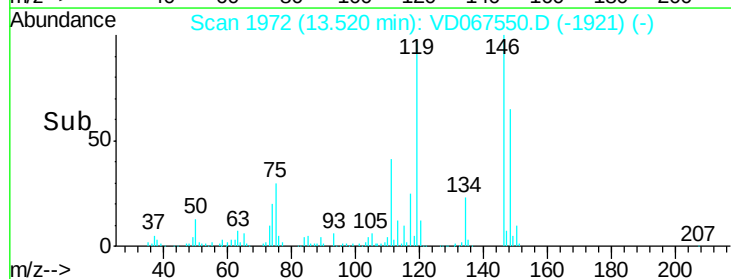
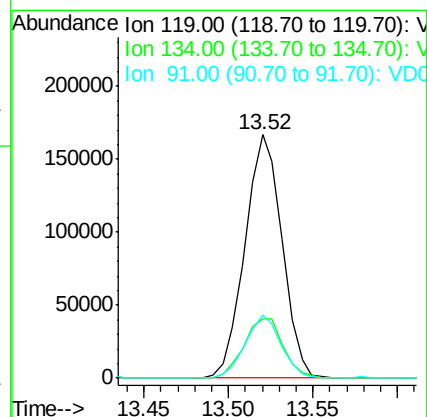
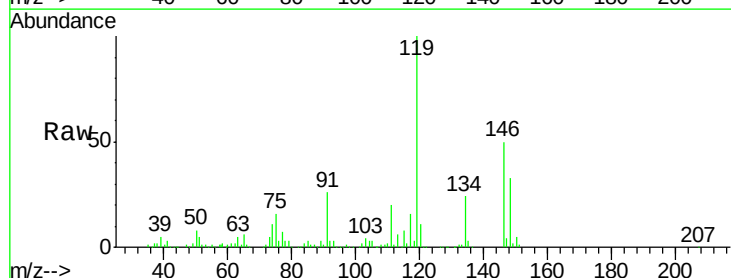
Tgt Ion:119 Resp: 255332

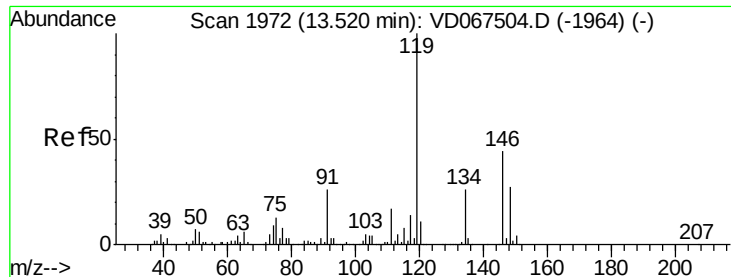
Ion Ratio Lower Upper

119 100

134 26.1 13.1 39.3

91 25.1 12.2 36.4





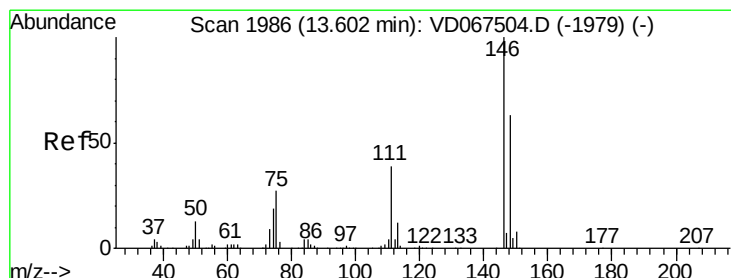
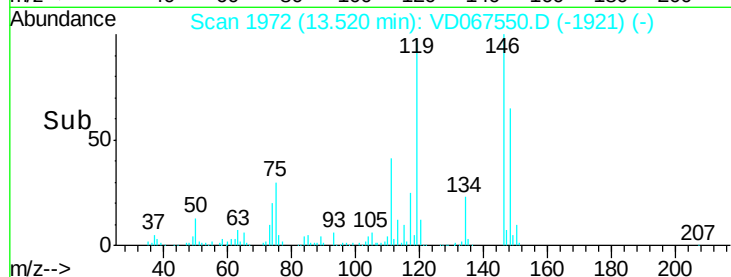
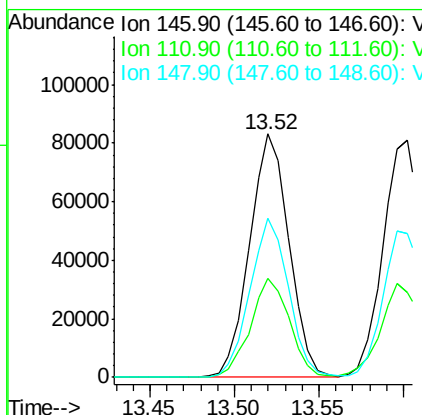
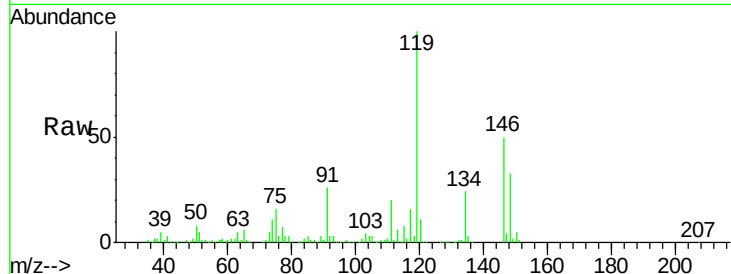
#87
1,3-Dichlorobenzene
Concen: 22.335 ug/l
RT: 13.52 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

Instrument :
MSVOA_D
ClientSampleId :
VD1106SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.3	60.8
148	63.9	31.9	95.9

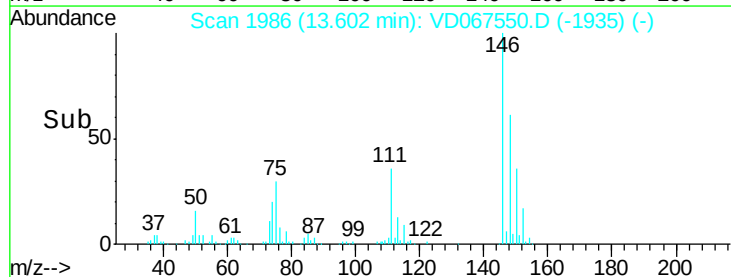
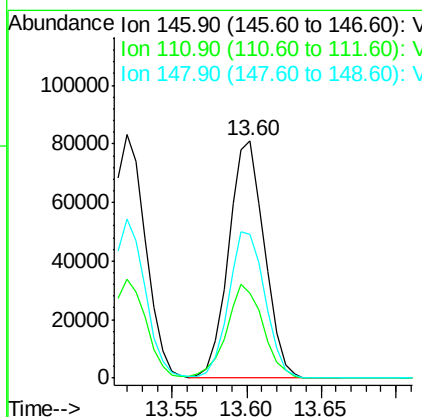
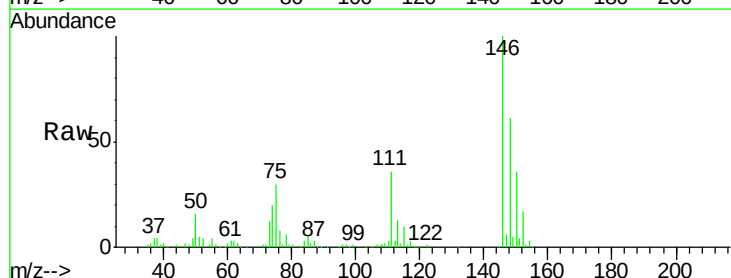
Manual Integrations
APPROVED

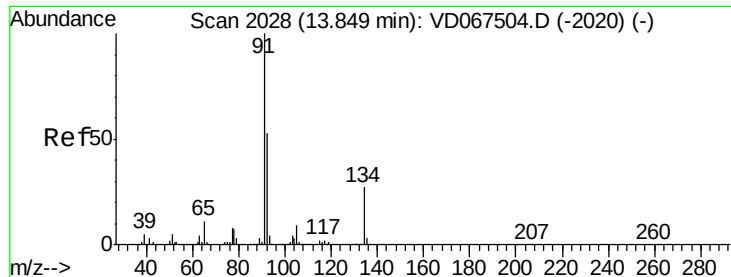
MMDadoda
11/9/2020 10:13:26 AM



#88
1,4-Dichlorobenzene
Concen: 22.160 ug/l
RT: 13.60 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.6	58.7
148	62.7	31.8	95.4





#89

n-Butylbenzene

Concen: 20.474 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. 0.00 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Instrument :

MSVOA_D

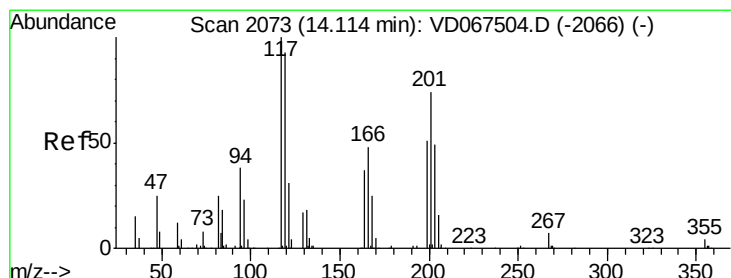
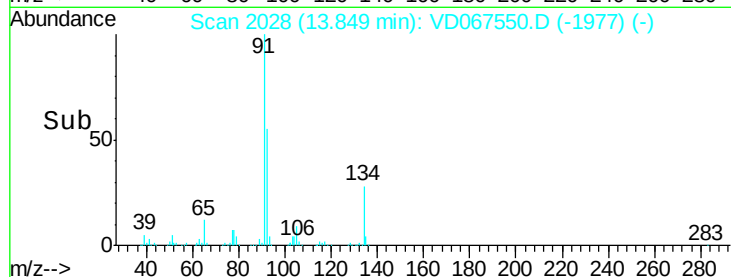
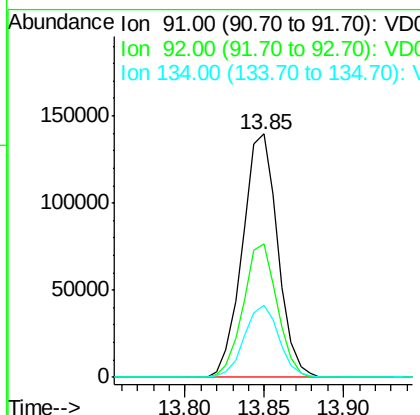
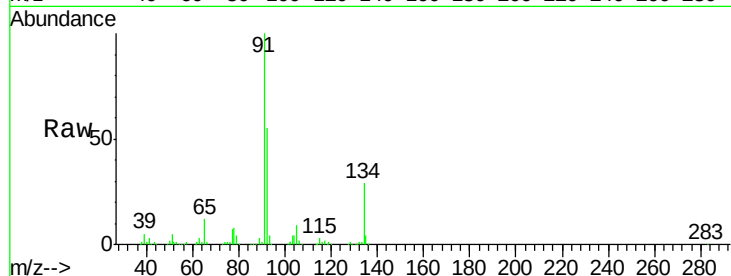
ClientSampleId :

VD1106SBS01

Tot Ion:	91	Resp:	215256
Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.6	79.8
134	29.1	14.1	42.2

Manual Integrations
APPROVED

MMDadoda
11/9/2020 10:13:26 AM



#90

Hexachloroethane

Concen: 20.834 ug/l

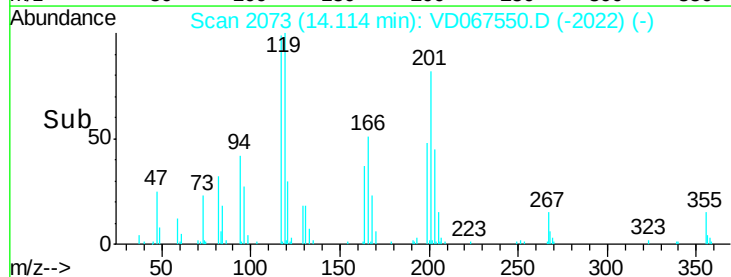
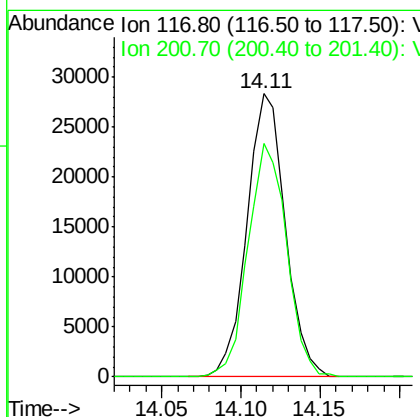
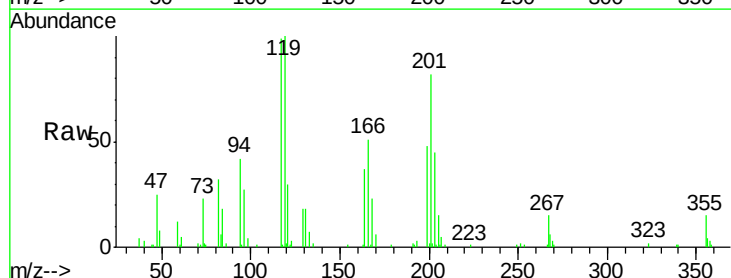
RT: 14.11 min Scan# 2073

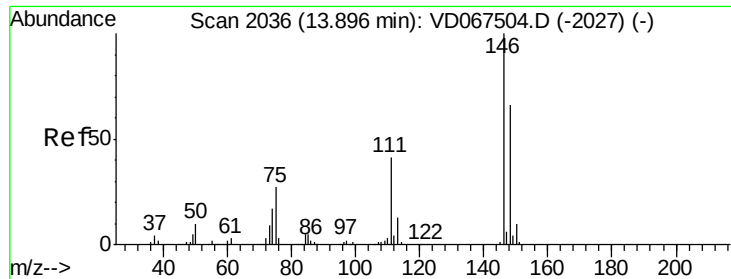
Delta R.T. 0.00 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Tgt Ion:	117	Resp:	47756
Ion	Ratio	Lower	Upper
117	100		
201	82.8	40.7	122.1





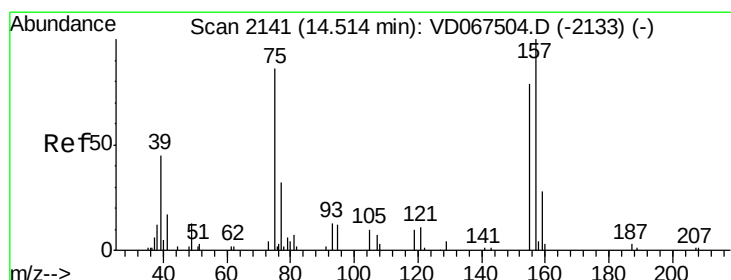
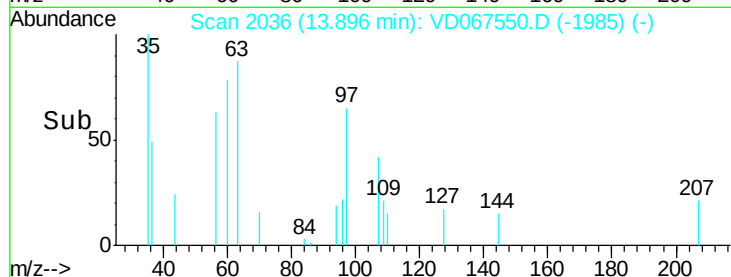
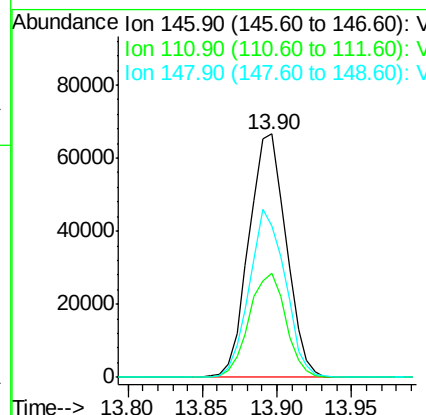
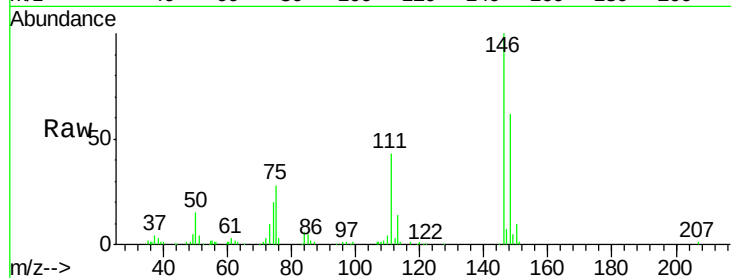
#91
 1,2-Dichlorobenzene
 Concen: 21.999 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067550.D
 Acq: 06 Nov 2020 14:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1106SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.7	62.1
148	66.4	31.5	94.5

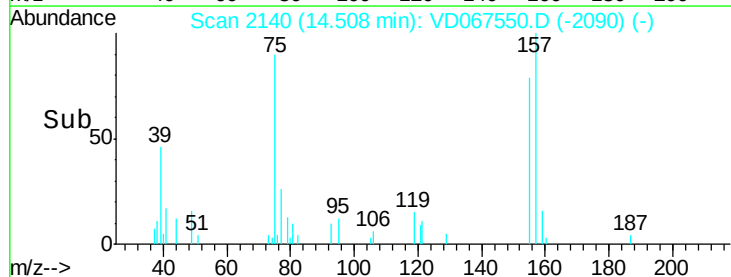
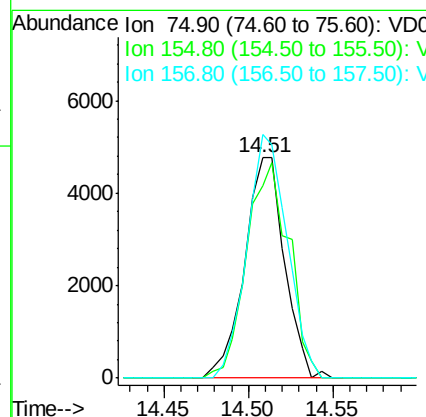
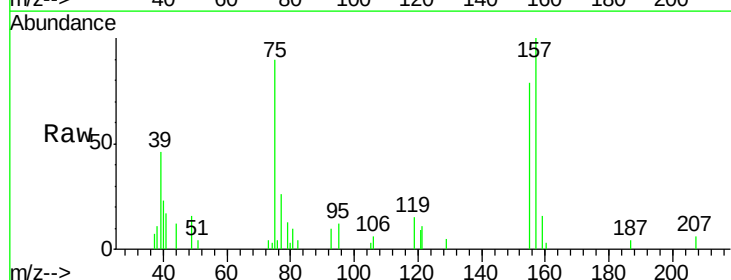
Manual Integrations
 APPROVED

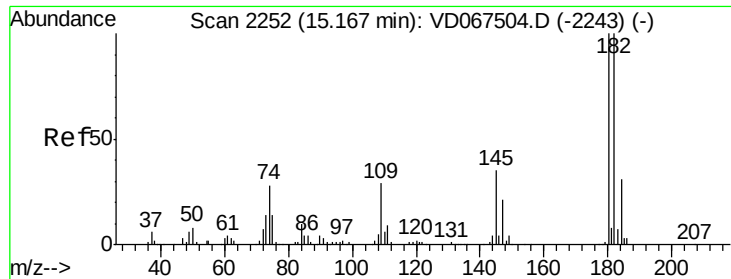
MMDadoda
 11/9/2020 10:13:26 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 25.268 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067550.D
 Acq: 06 Nov 2020 14:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.6	46.6	139.8
157	111.0	58.1	174.2





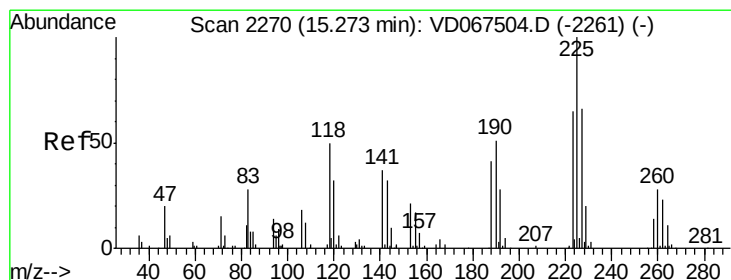
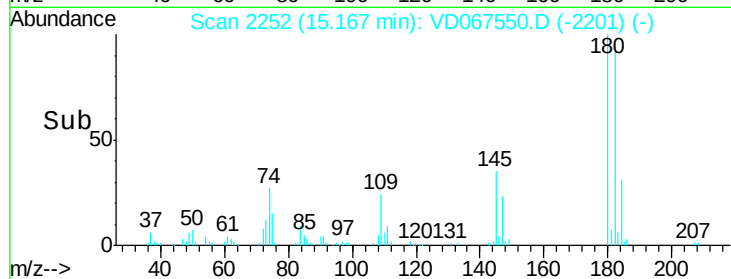
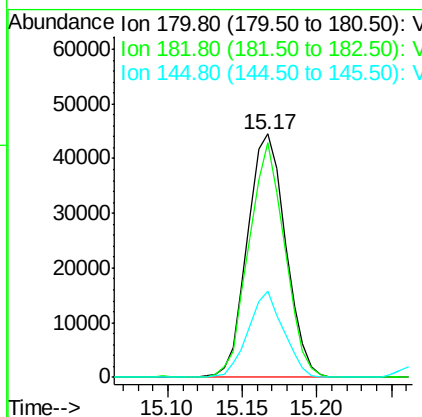
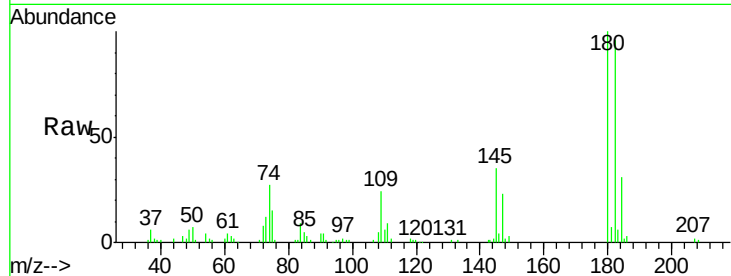
#93
1,2,4-Trichlorobenzene
Concen: 22.228 ug/l
RT: 15.17 min Scan# 2252
Delta R.T. 0.00 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

Instrument :
MSVOA_D
ClientSampleId :
VD1106SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	90.4	47.4	142.3	
145	32.6	16.2	48.6	

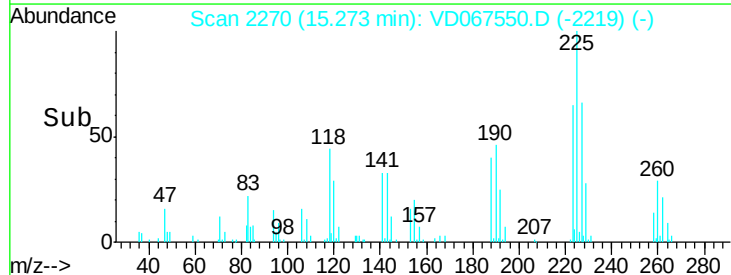
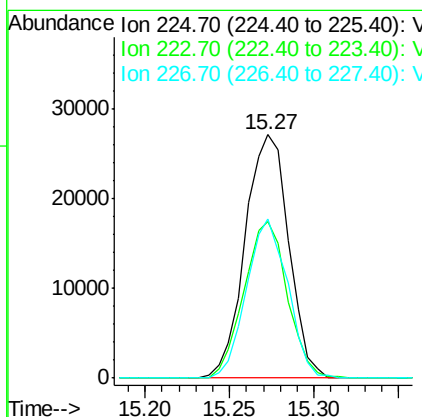
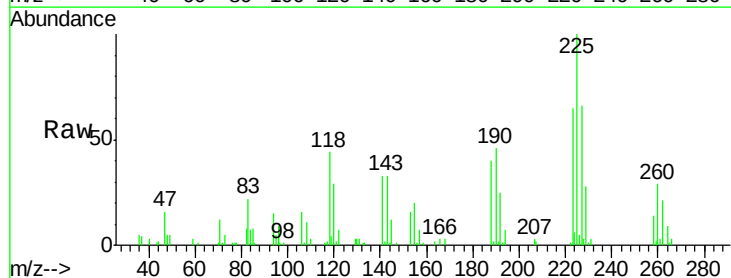
Manual Integrations
APPROVED

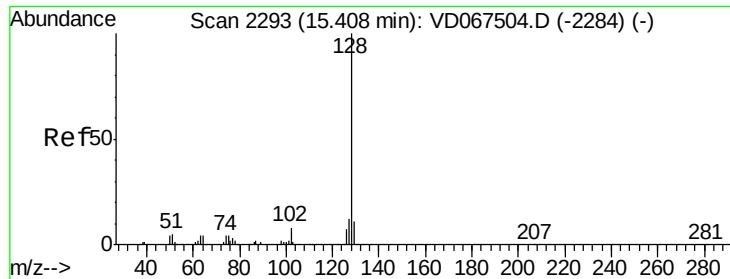
MMDadoda
11/9/2020 10:13:26 AM



#94
Hexachlorobutadiene
Concen: 20.462 ug/l
RT: 15.27 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.2	31.9	95.5	
227	61.8	32.5	97.4	





#95

Naphthalene

Concen: 23.456 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Instrument :

MSVOA_D

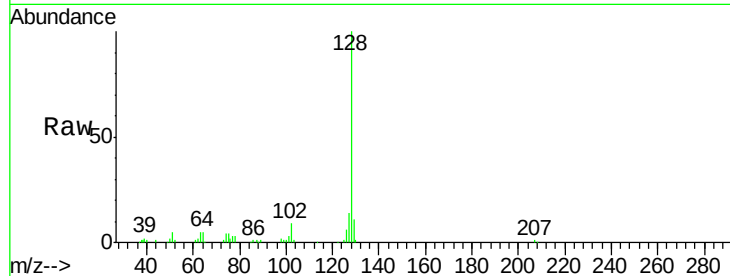
ClientSampleId :

VD1106SBS01

Tot Ion:	128	Resp:	128512
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.2	15.4
129	10.9	8.9	13.3

Manual Integrations
APPROVED

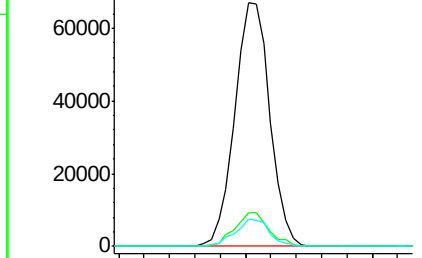
MMDadoda
11/9/2020 10:13:26 AM



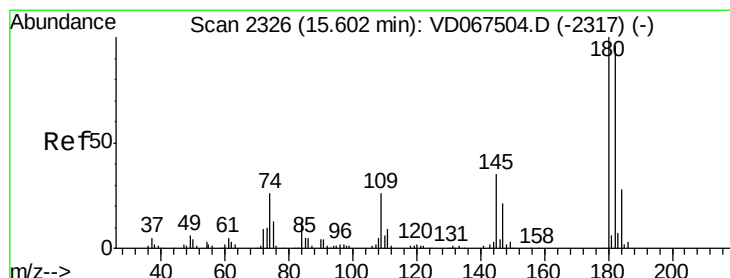
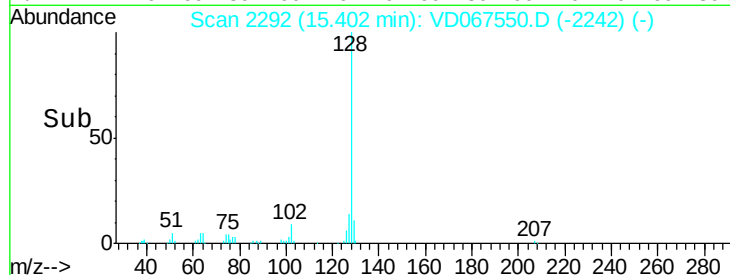
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time--> 15.30 15.40 15.50



#96

1,2,3-Trichlorobenzene

Concen: 22.157 ug/l

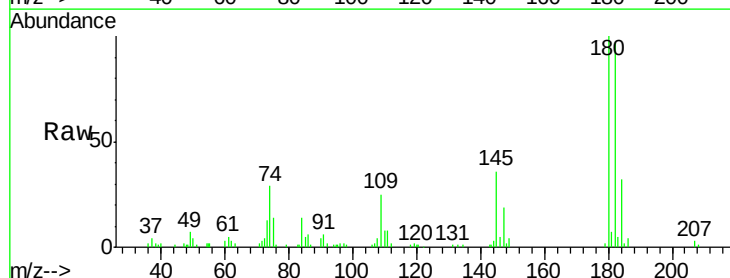
RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

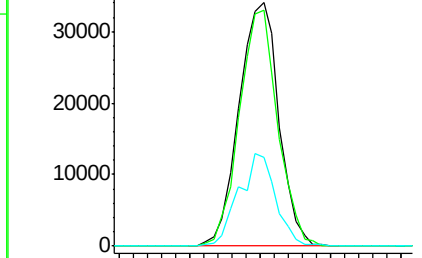
Tgt Ion:	180	Resp:	67359
Ion Ratio	Lower	Upper	
180	100		
182	93.2	46.9	140.8
145	34.9	17.1	51.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V



Time--> 15.50 15.55 15.60 15.65

