

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102320\
 Data File : VD067374.D
 Acq On : 23 Oct 2020 11:36
 Operator : VA/SY
 Sample : VD1023SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1023SBS01

Manual Integrations
 APPROVED

MMDadoda

10/26/2020 1:37:42 PM

Quant Time: Oct 24 07:33:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	313198	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	457997	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	434449	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	217309	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	154385	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
35) Dibromofluoromethane	7.92	113	163589	53.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.34%	
50) Toluene-d8	10.34	98	570783	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	
62) 4-Bromofluorobenzene	12.64	95	199386	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	52331	18.019	ug/l	85
3) Chloromethane	2.21	50	38449	19.506	ug/l	95
4) Vinyl Chloride	2.35	62	42911	19.841	ug/l	94
5) Bromomethane	2.76	94	33612	20.970	ug/l	91
6) Chloroethane	2.92	64	26021	19.319	ug/l	92
7) Trichlorofluoromethane	3.27	101	111035	20.389	ug/l	99
8) Diethyl Ether	3.71	74	24838	19.931	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	59323	20.503	ug/l	99
10) Methyl Iodide	4.30	142	53272	19.959	ug/l	95
11) Tert butyl alcohol	5.24	59	18448m	82.541	ug/l	
12) 1,1-Dichloroethene	4.07	96	51980	20.109	ug/l	91
13) Acrolein	3.93	56	9243	66.681	ug/l	94
14) Allyl chloride	4.72	41	56787	19.184	ug/l	99
15) Acrylonitrile	5.43	53	45280	108.895	ug/l	98
16) Acetone	4.16	43	45849	104.334	ug/l	93
17) Carbon Disulfide	4.41	76	142040	19.275	ug/l	100
18) Methyl Acetate	4.72	43	21002	20.953	ug/l	91
19) Methyl tert-butyl Ether	5.48	73	107515	20.918	ug/l	100
20) Methylene Chloride	4.97	84	62147	19.324	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	59686	20.065	ug/l #	84
22) Diisopropyl ether	6.36	45	118564	21.926	ug/l	98
23) Vinyl Acetate	6.30	43	324198	105.380	ug/l	97
24) 1,1-Dichloroethane	6.27	63	95484	20.628	ug/l	97
25) 2-Butanone	7.21	43	52492	104.790	ug/l	98
26) 2,2-Dichloropropane	7.21	77	99420	20.838	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	65407	20.063	ug/l	97
28) Bromochloromethane	7.55	49	30366	19.233	ug/l #	96
29) Tetrahydrofuran	7.57	42	29667	106.542	ug/l	98
30) Chloroform	7.71	83	114764	20.754	ug/l	92
31) Cyclohexane	7.98	56	72380	20.027	ug/l #	95
32) 1,1,1-Trichloroethane	7.91	97	113121	20.850	ug/l	98
36) 1,1-Dichloropropene	8.11	75	82832	21.338	ug/l	98
37) Ethyl Acetate	7.30	43	23281	20.384	ug/l #	95
38) Carbon Tetrachloride	8.10	117	105992	21.364	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102320\
 Data File : VD067374.D
 Acq On : 23 Oct 2020 11:36
 Operator : VA/SY
 Sample : VD1023SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1023SBS01

Manual Integrations
 APPROVED

MMDadoda

10/26/2020 1:37:42 PM

Quant Time: Oct 24 07:33:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	82825	20.409	ug/l	99
40) Benzene	8.36	78	232182	21.802	ug/l	100
41) Methacrylonitrile	7.53	41	13815m	22.384	ug/l	
42) 1,2-Dichloroethane	8.43	62	75382	22.619	ug/l	99
43) Isopropyl Acetate	8.46	43	49864	22.003	ug/l	98
44) Trichloroethene	9.11	130	74841	21.950	ug/l	88
45) 1,2-Dichloropropane	9.39	63	53245	21.574	ug/l	99
46) Dibromomethane	9.48	93	32948	21.426	ug/l	96
47) Bromodichloromethane	9.67	83	90044	21.856	ug/l	97
48) Methyl methacrylate	9.46	41	22586	20.508	ug/l	98
49) 1,4-Dioxane	9.47	88	6198	398.224	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	124329	109.994	ug/l	98
52) Toluene	10.41	92	157657	21.736	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	78865	21.791	ug/l	96
54) cis-1,3-Dichloropropene	10.10	75	92461	21.830	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	45680	21.784	ug/l	91
56) Ethyl methacrylate	10.66	69	47676	21.923	ug/l	99
57) 1,3-Dichloropropane	10.95	76	72900	21.845	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	122181	109.517	ug/l	99
59) 2-Hexanone	10.99	43	84959	109.995	ug/l	98
60) Dibromochloromethane	11.14	129	68399	22.367	ug/l	99
61) 1,2-Dibromoethane	11.25	107	45720	22.116	ug/l	99
64) Tetrachloroethene	10.88	164	68946	21.903	ug/l	91
65) Chlorobenzene	11.67	112	177850	21.348	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.74	131	71656	21.641	ug/l	99
67) Ethyl Benzene	11.75	91	301684	21.125	ug/l	98
68) m/p-Xylenes	11.86	106	236147	42.941	ug/l	98
69) o-Xylene	12.18	106	108585	21.323	ug/l	94
70) Styrene	12.20	104	188976	21.557	ug/l	99
71) Bromoform	12.37	173	38106	21.422	ug/l #	93
73) Isopropylbenzene	12.48	105	301173	21.837	ug/l	99
74) N-amyl acetate	12.29	43	44577	21.400	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	45624	21.590	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	28966m	19.232	ug/l	
77) Bromobenzene	12.76	156	75544	21.970	ug/l	99
78) n-propylbenzene	12.83	91	345266	21.607	ug/l	99
79) 2-Chlorotoluene	12.91	91	199391	21.516	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	260258	21.715	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	14580	21.952	ug/l	96
82) 4-Chlorotoluene	13.01	91	217017	22.065	ug/l	99
83) tert-Butylbenzene	13.23	119	223266	22.053	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	264102	22.295	ug/l	99
85) sec-Butylbenzene	13.41	105	304453	21.916	ug/l	100
86) p-Isopropyltoluene	13.52	119	289445	22.075	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	144684	21.861	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	143825	21.934	ug/l	98
89) n-Butylbenzene	13.85	91	246805	21.396	ug/l	98
90) Hexachloroethane	14.11	117	49466	21.619	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	126327	21.850	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	8714	22.698	ug/l	93

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102320\
Data File : VD067374.D
Acq On : 23 Oct 2020 11:36
Operator : VA/SY
Sample : VD1023SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBSD01

Manual Integrations
APPROVED

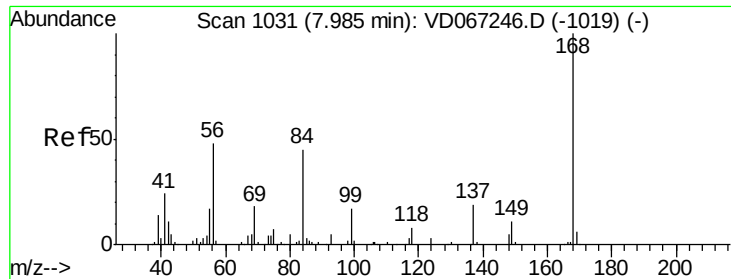
MMDadoda

10/26/2020 1:37:42 PM

Quant Time: Oct 24 07:33:36 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 19 19:13:29 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	85734	21.994	ug/l	99
94) Hexachlorobutadiene	15.27	225	53340	22.035	ug/l	98
95) Naphthalene	15.41	128	138976	21.715	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	75679	22.472	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1023SBSD01

Tot Ion:168 Resp: 313198

Ion Ratio Lower Upper

168 100

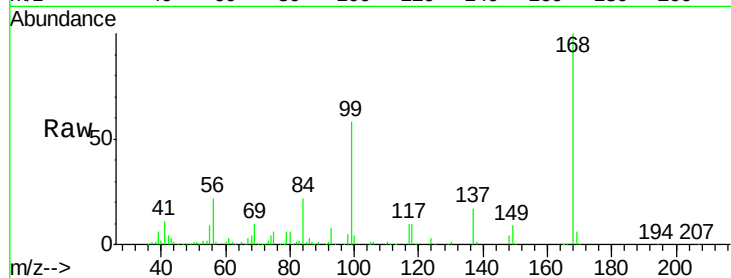
99 57.4 45.9 68.9

Manual Integrations

APPROVED

MMDadoda

10/26/2020 1:37:42 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

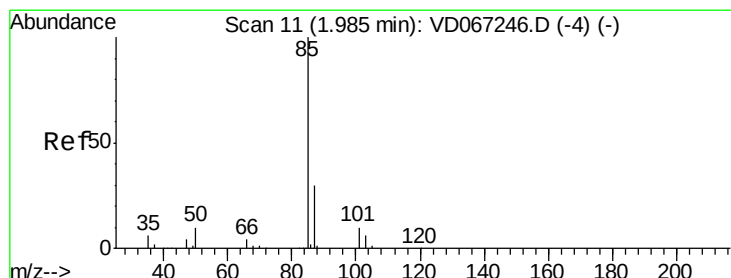
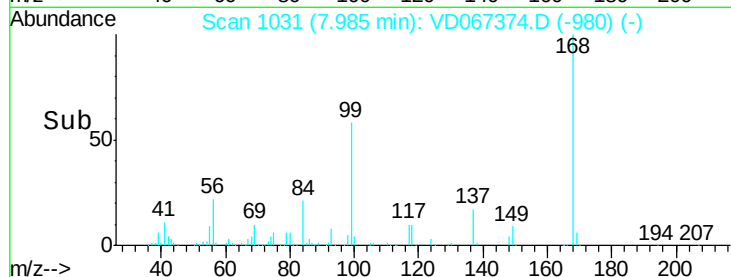
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.019 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067374.D

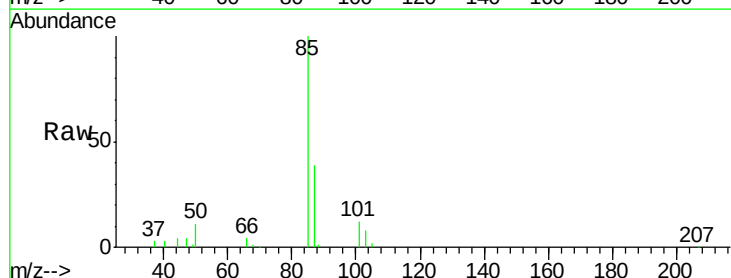
Acq: 23 Oct 2020 11:36

Tgt Ion: 85 Resp: 52331

Ion Ratio Lower Upper

85 100

87 38.7 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

30000

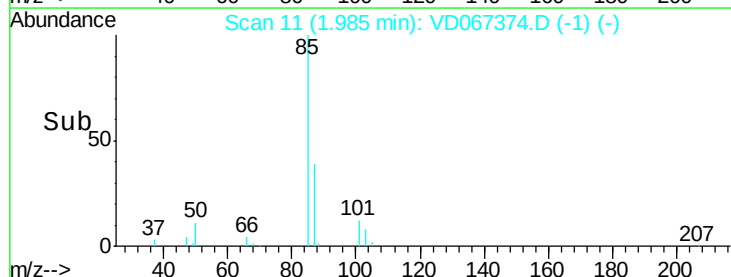
20000

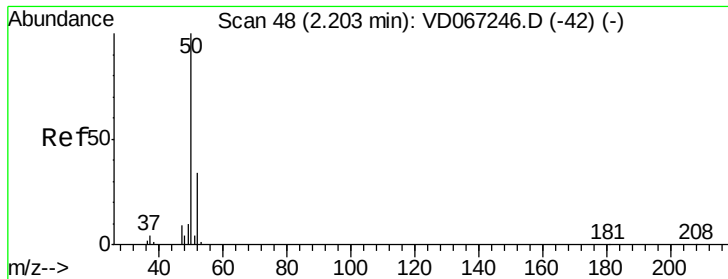
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 19.506 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1023SBSD01

Tot Ion: 50 Resp: 38449

Ion Ratio Lower Upper

50 100

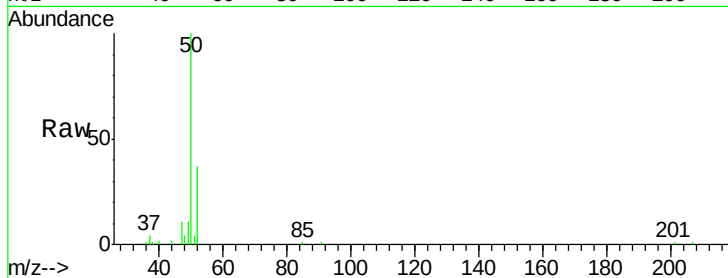
52 36.6 27.1 40.7

Manual Integrations

APPROVED

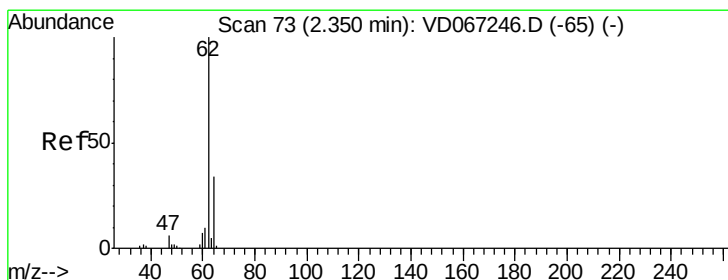
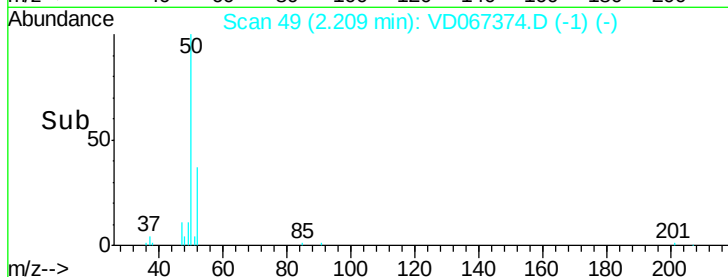
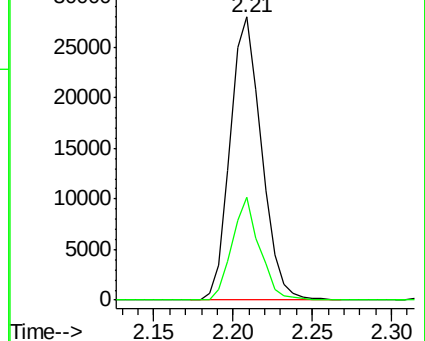
MMDadoda

10/26/2020 1:37:42 PM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.841 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067374.D

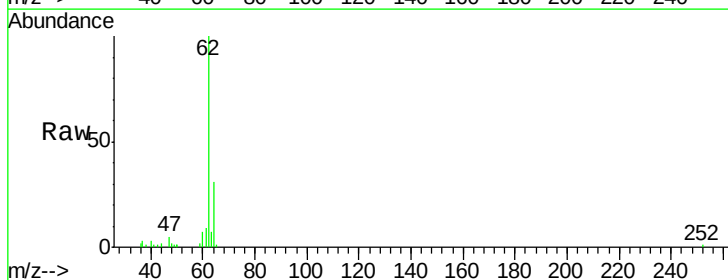
Acq: 23 Oct 2020 11:36

Tgt Ion: 62 Resp: 42911

Ion Ratio Lower Upper

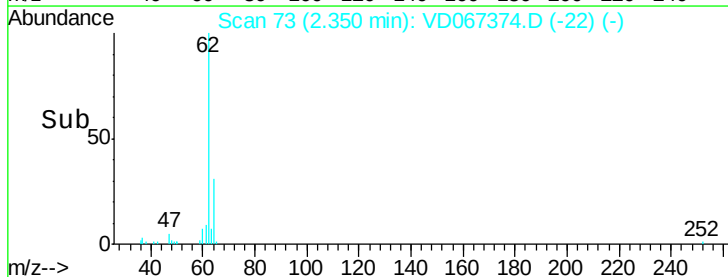
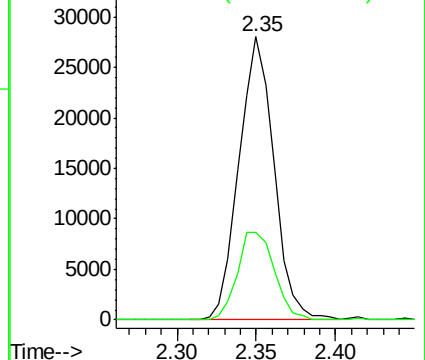
62 100

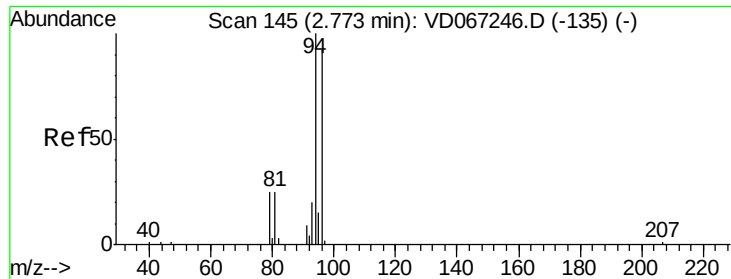
64 30.9 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.970 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1023SBSD01

Tot Ion: 94 Resp: 33612

Ion Ratio Lower Upper

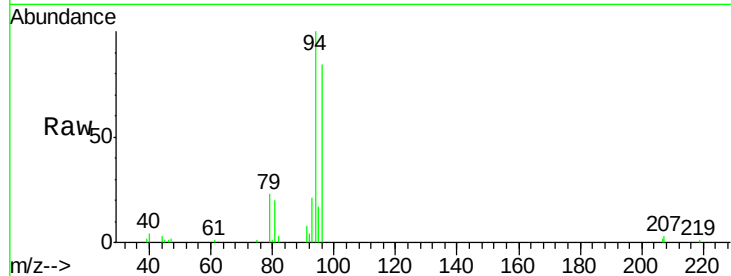
94 100

96 84.0 73.8 110.6

Manual Integrations
APPROVED

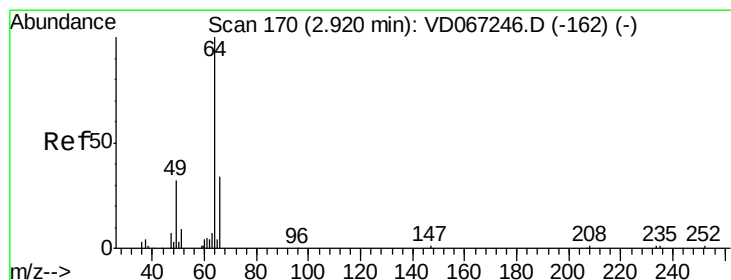
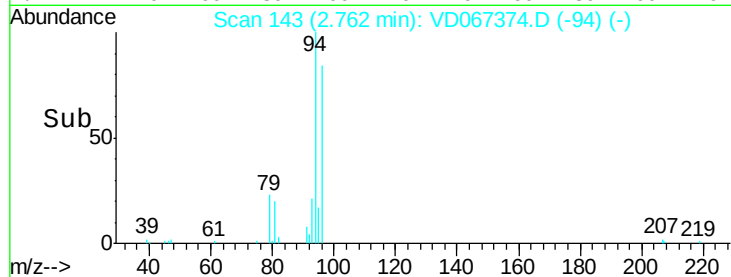
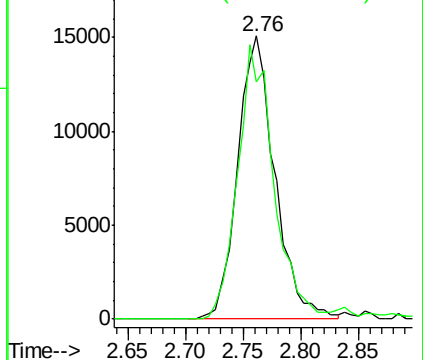
MMDadoda

10/26/2020 1:37:42 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.319 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067374.D

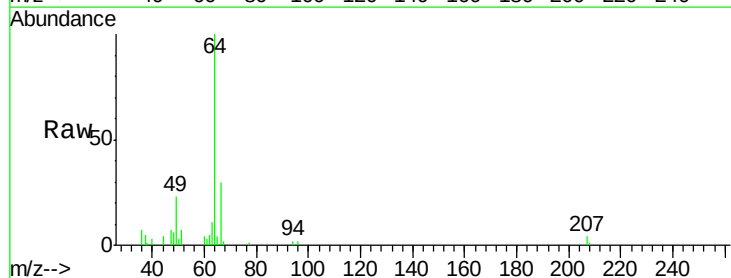
Acq: 23 Oct 2020 11:36

Tgt Ion: 64 Resp: 26021

Ion Ratio Lower Upper

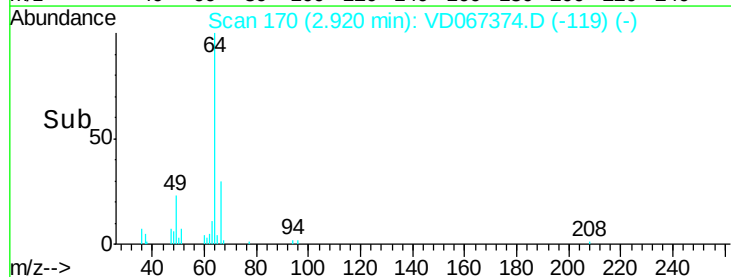
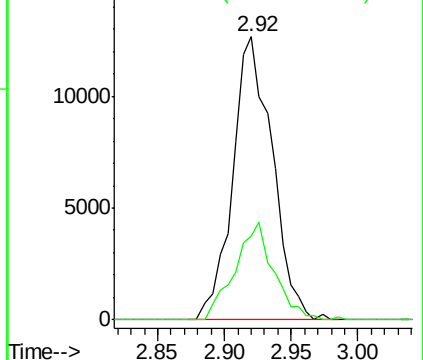
64 100

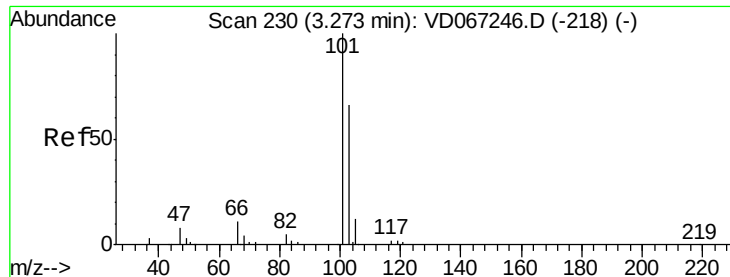
66 29.6 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane
Concen: 20.389 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

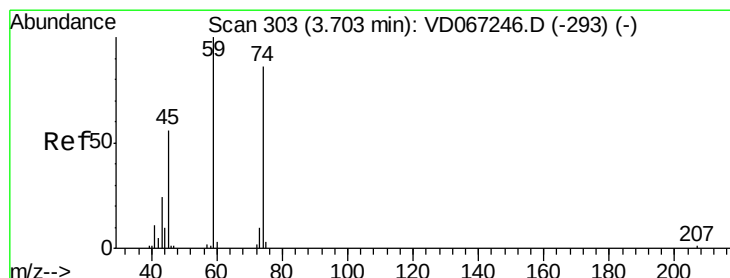
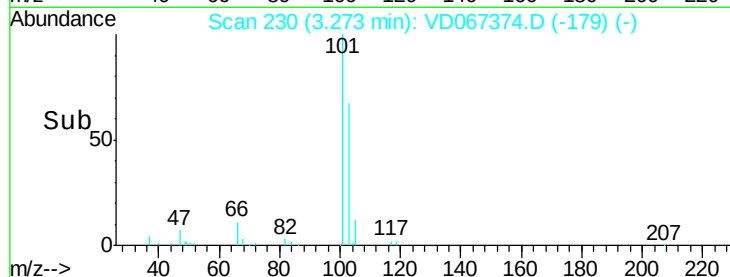
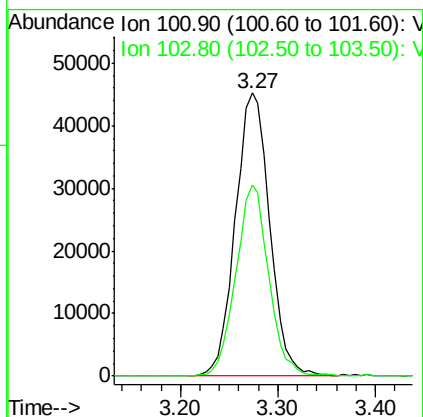
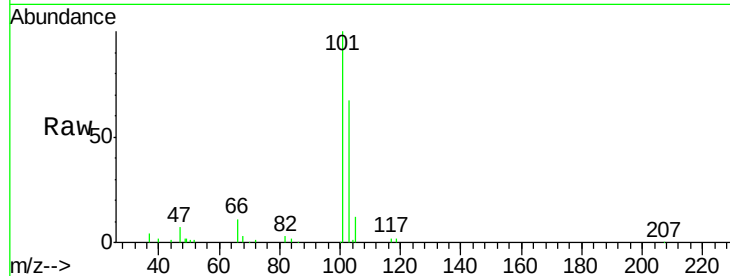
Instrument :
MSVOA_D
ClientSampleId :
VD1023SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.4	53.1	79.7

Manual Integrations
APPROVED

MMDadoda

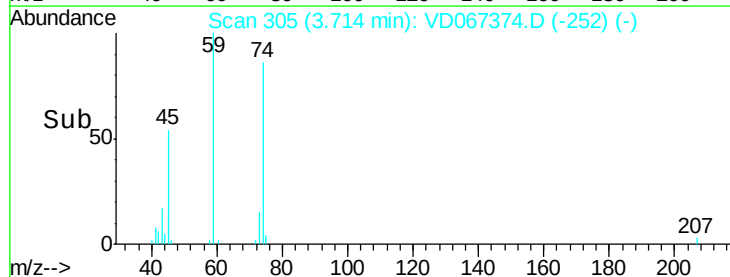
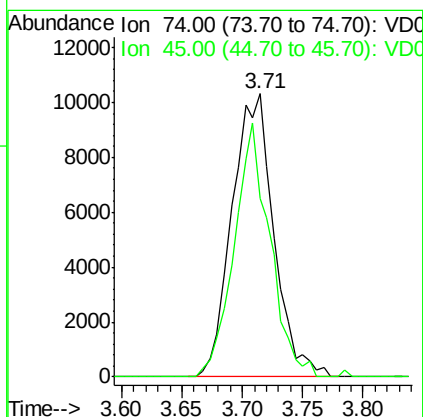
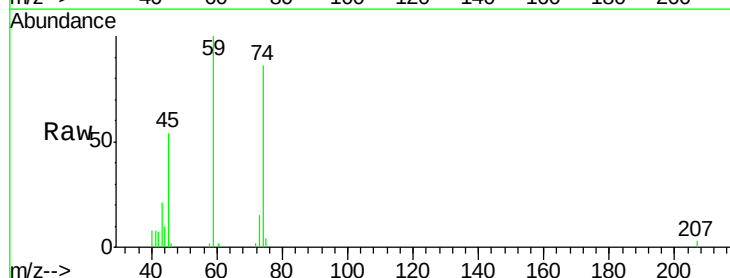
10/26/2020 1:37:42 PM

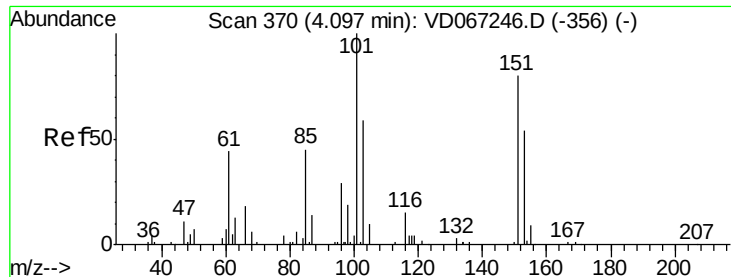


#8

Diethyl Ether
Concen: 19.931 ug/l
RT: 3.71 min Scan# 305
Delta R.T. 0.01 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	76.5	37.0	111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.503 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

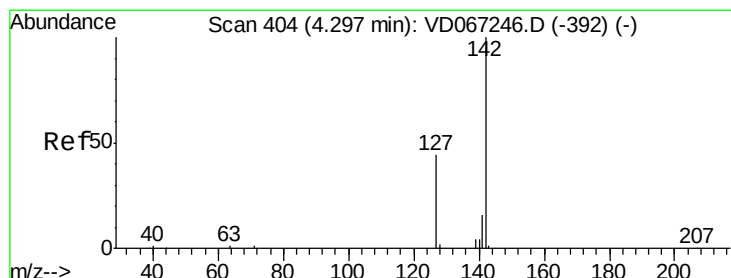
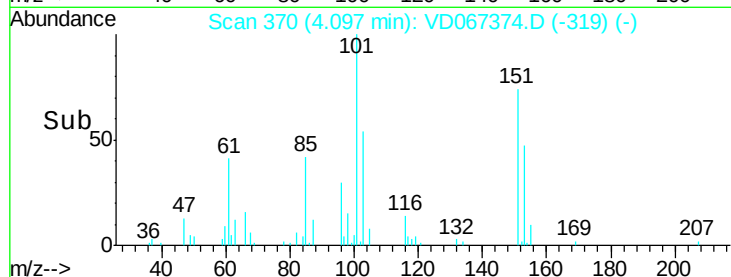
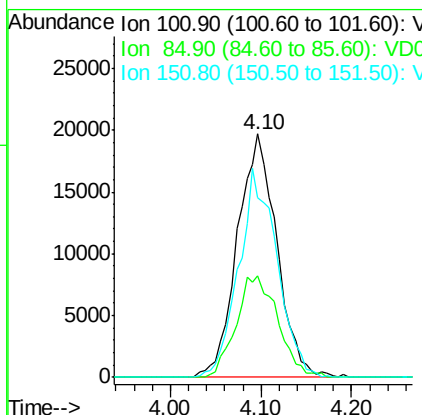
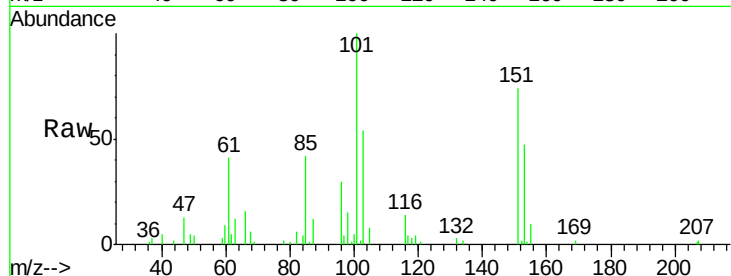
VD1023SBSD01

Tot Ion:	101	Resp:	59323
Ion Ratio	Lower	Upper	
101	100		
85	44.3	34.2	51.4
151	83.5	66.3	99.5

Manual Integrations
APPROVED

MMDadoda

10/26/2020 1:37:42 PM



#10

Methyl Iodide

Concen: 19.959 ug/l

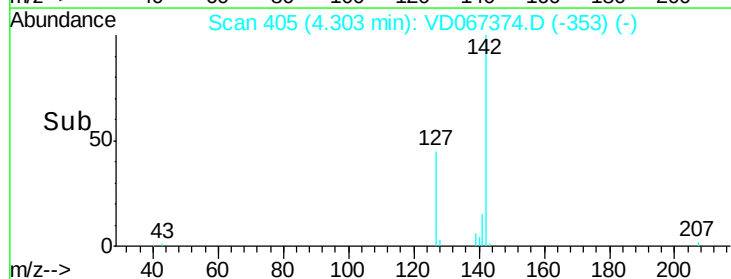
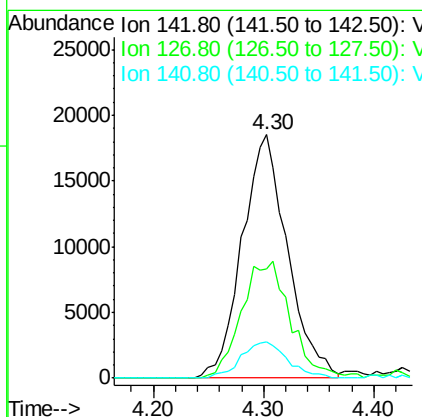
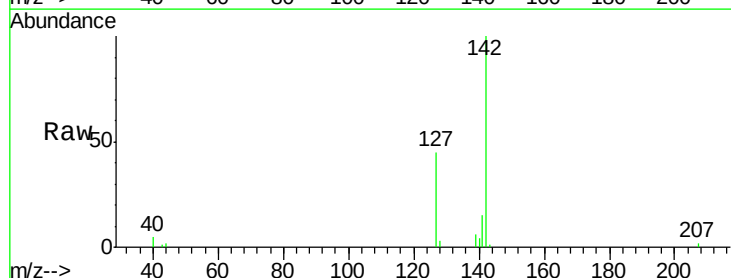
RT: 4.30 min Scan# 405

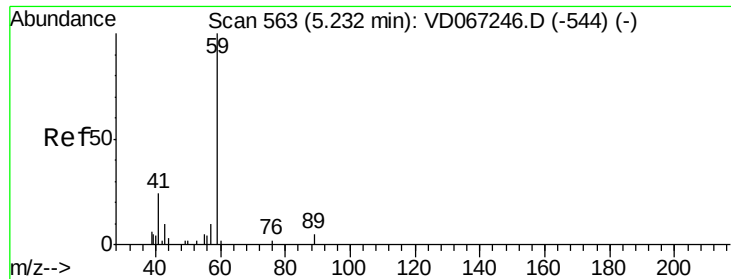
Delta R.T. 0.01 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

Tgt Ion:	142	Resp:	53272
Ion Ratio	Lower	Upper	
142	100		
127	51.9	38.4	57.6
141	15.3	11.6	17.4





#11
Tert butyl alcohol
Concen: 82.541 ug/l m
RT: 5.24 min Scan# 564
Delta R.T. 0.01 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

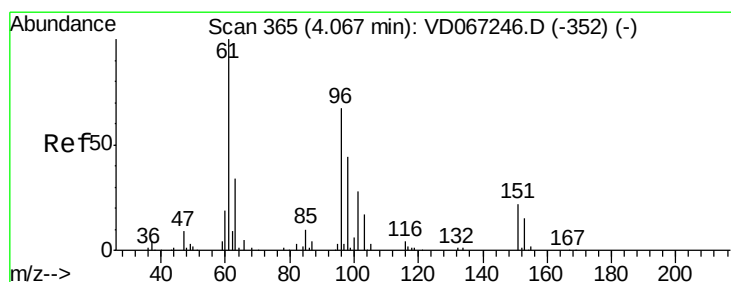
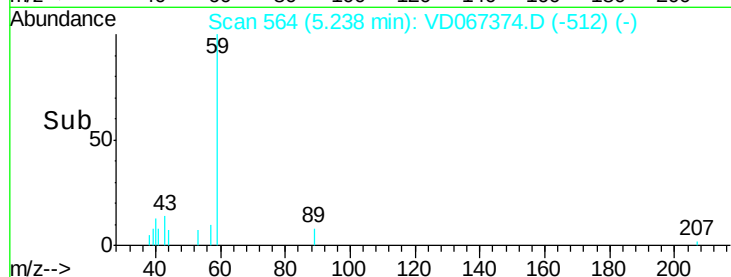
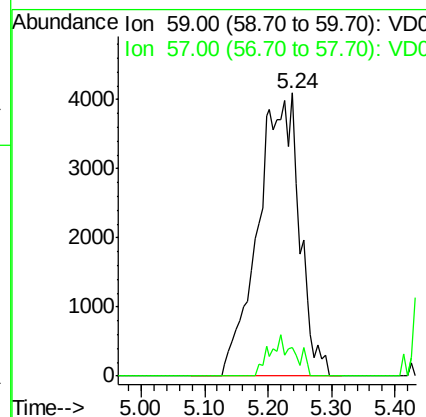
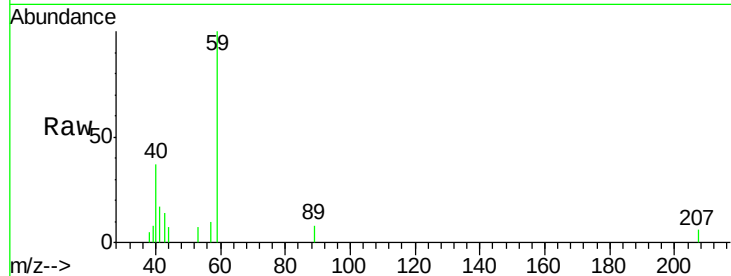
Instrument :
MSVOA_D
ClientSampleId :
VD1023SBSD01

Tot Ion: 59 Resp: 18448
Ion Ratio Lower Upper
59 100
57 7.6 5.1 7.7

Manual Integrations
APPROVED

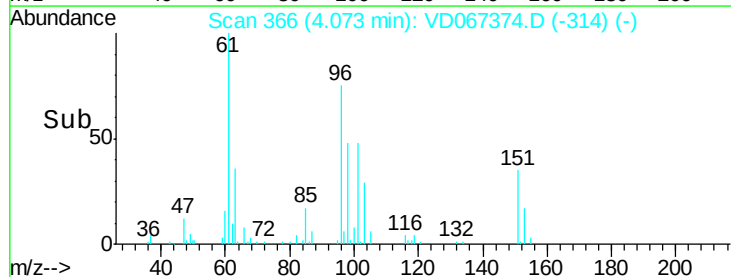
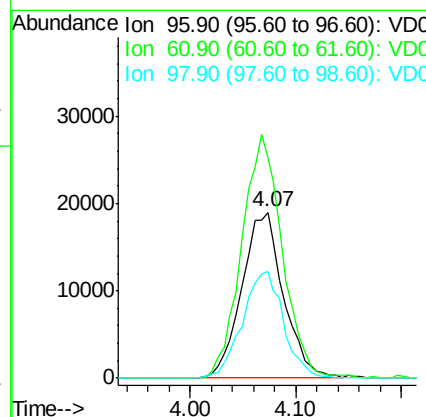
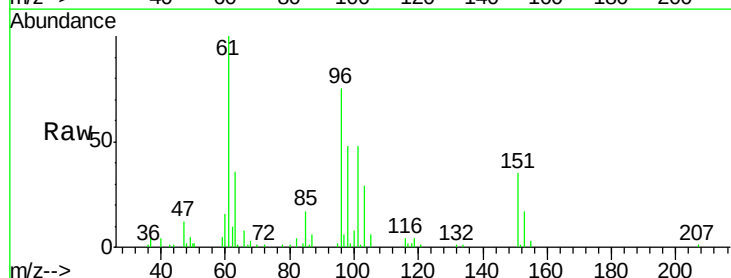
MMDadoda

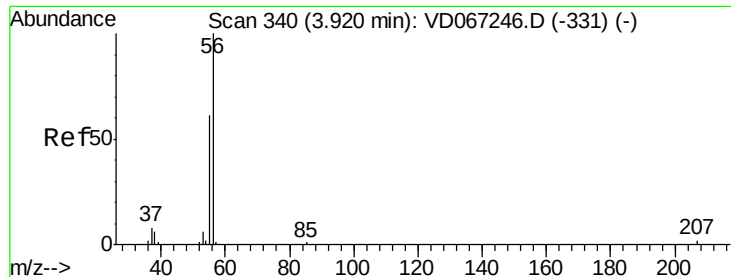
10/26/2020 1:37:42 PM



#12
1,1-Dichloroethene
Concen: 20.109 ug/l
RT: 4.07 min Scan# 366
Delta R.T. 0.01 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

Tgt Ion: 96 Resp: 51980
Ion Ratio Lower Upper
96 100
61 132.6 118.6 177.8
98 64.2 51.8 77.6





#13
Acrolein
Concen: 66.681 ug/l
RT: 3.93 min Scan# 341
Delta R.T. 0.01 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

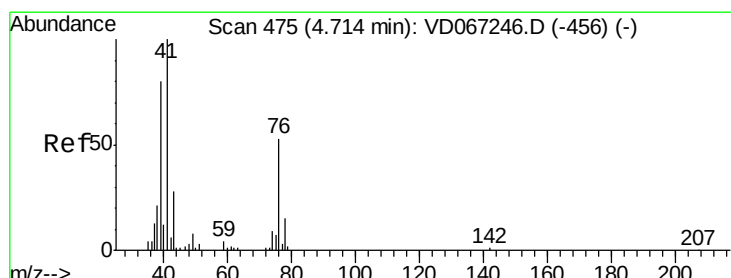
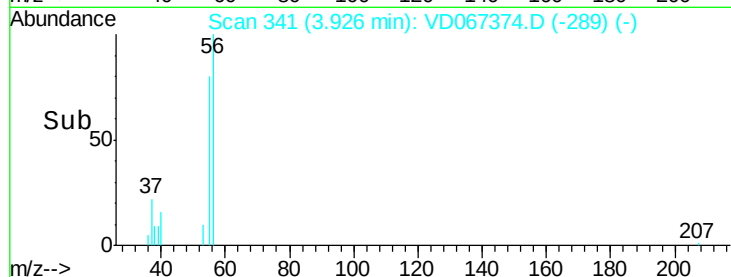
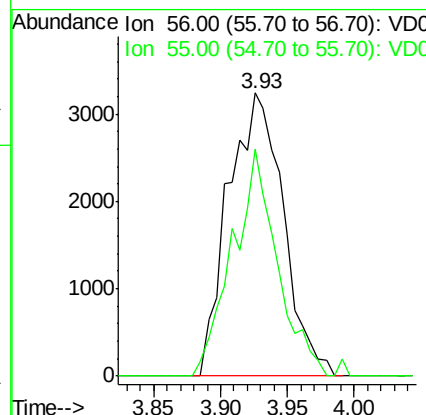
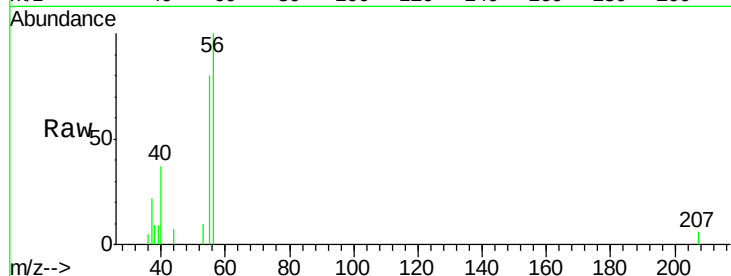
Instrument :
MSVOA_D
ClientSampleId :
VD1023SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
55	65.5	56.0	84.0

Manual Integrations
APPROVED

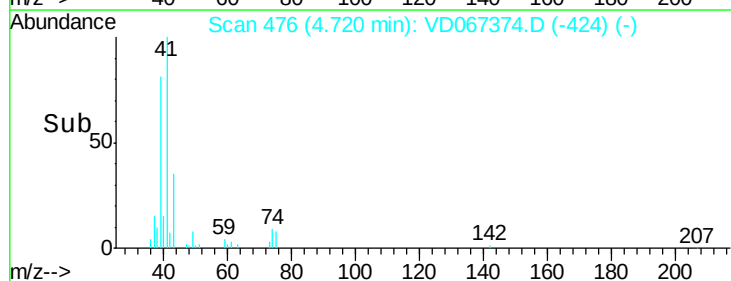
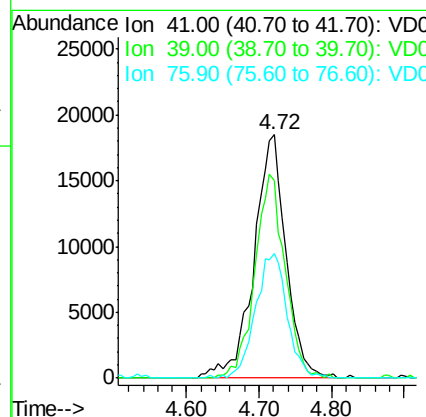
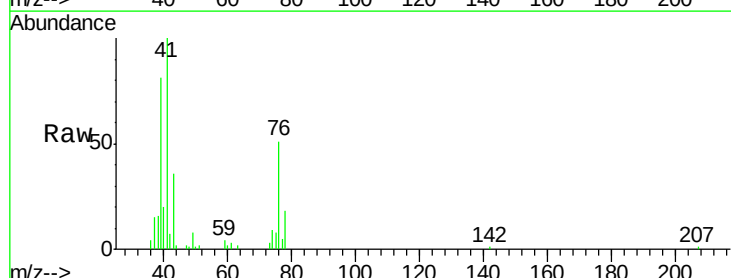
MMDadoda

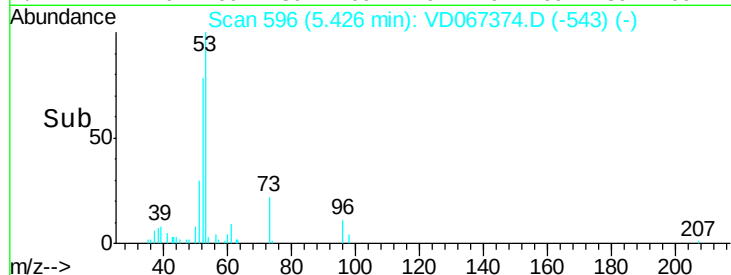
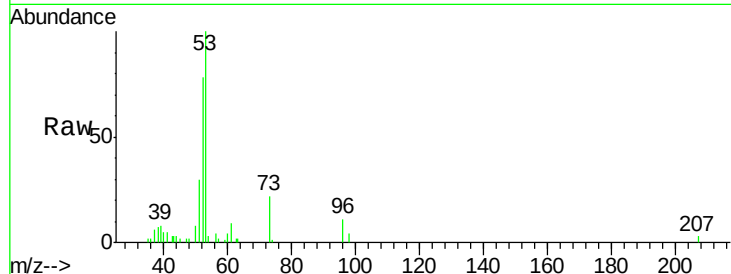
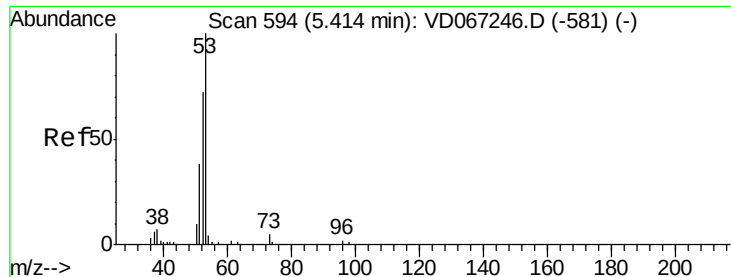
10/26/2020 1:37:42 PM



#14
Allyl chloride
Concen: 19.184 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

Tgt Ion	Ratio	Lower	Upper
41	100		
39	78.8	63.8	95.6
76	50.7	40.4	60.6





#15
 Acrylonitrile
 Concen: 108.895 ug/l
 RT: 5.43 min Scan# 596
 Delta R.T. 0.01 min
 Lab File: VD067374.D
 Acq: 23 Oct 2020 11:36

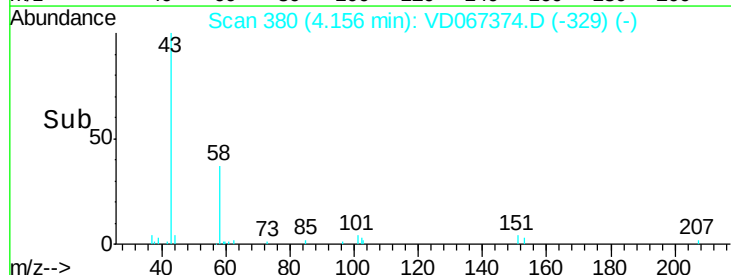
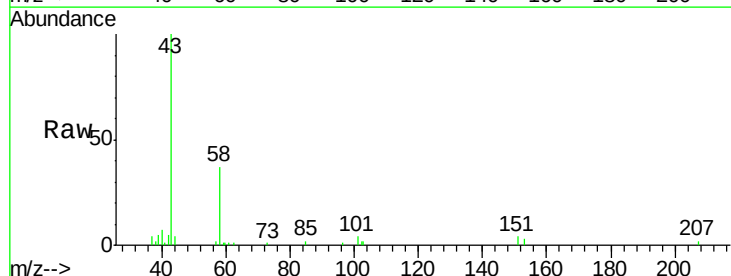
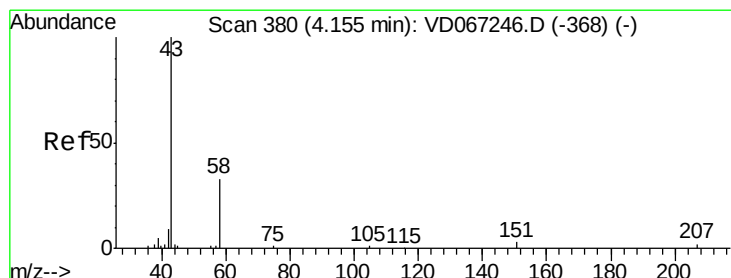
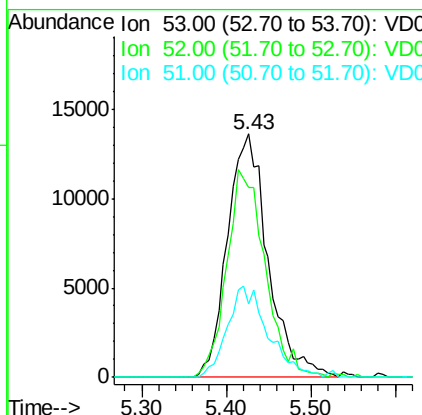
Tot Ion:	53	Resp:	45280
Ion Ratio	Lower	Upper	
53	100		
52	80.6	65.6	98.4
51	37.3	30.8	46.2

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1023SBS01

Manual Integrations
 APPROVED

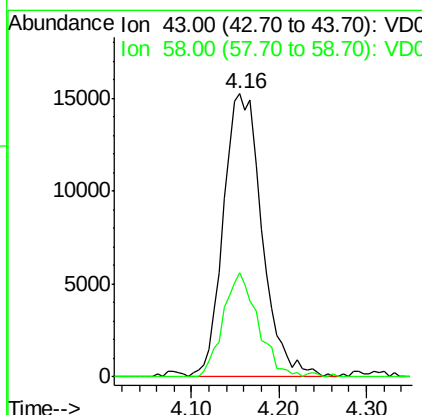
MMDadoda

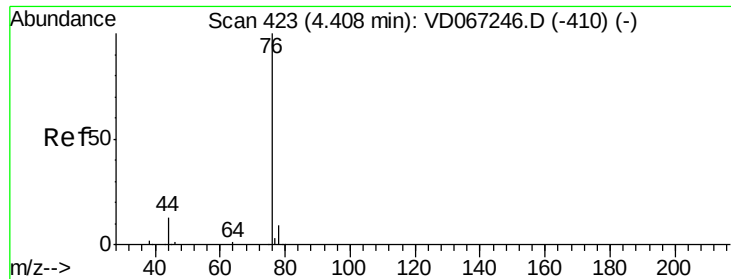
10/26/2020 1:37:42 PM



#16
 Acetone
 Concen: 104.334 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VD067374.D
 Acq: 23 Oct 2020 11:36

Tgt Ion:	43	Resp:	45849
Ion Ratio	Lower	Upper	
43	100		
58	36.8	26.1	39.1





#17
Carbon Disulfide
Concen: 19.275 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

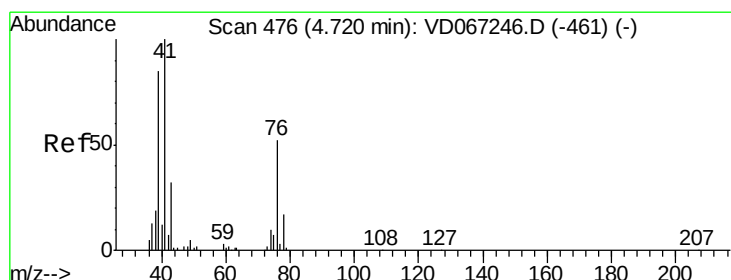
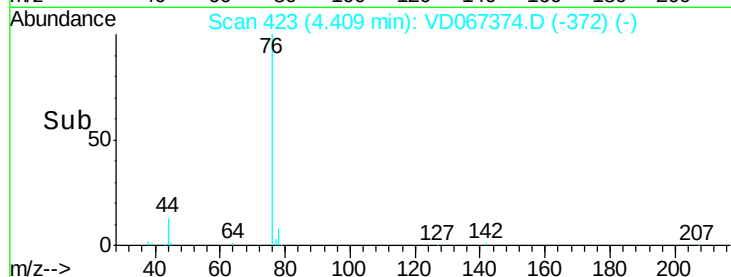
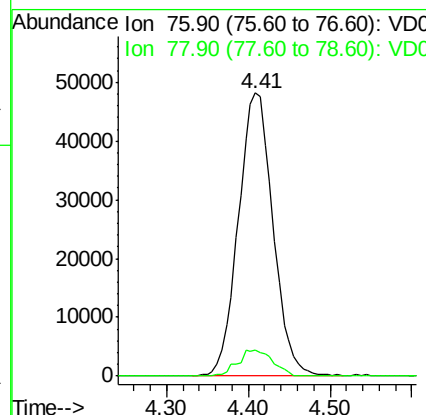
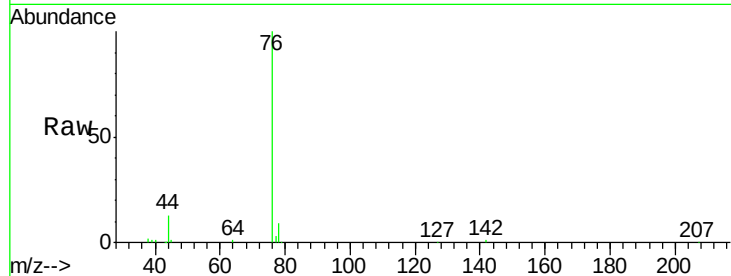
Instrument :
MSVOA_D
ClientSampleId :
VD1023SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.0

Manual Integrations
APPROVED

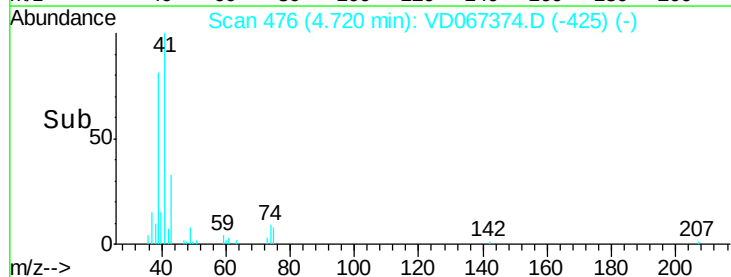
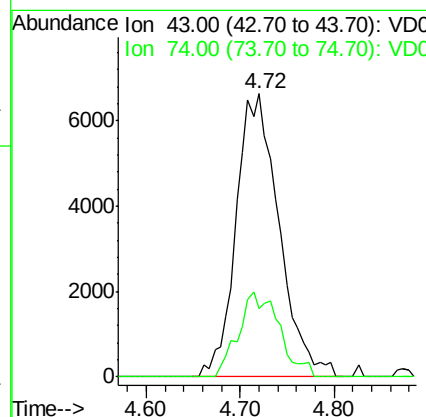
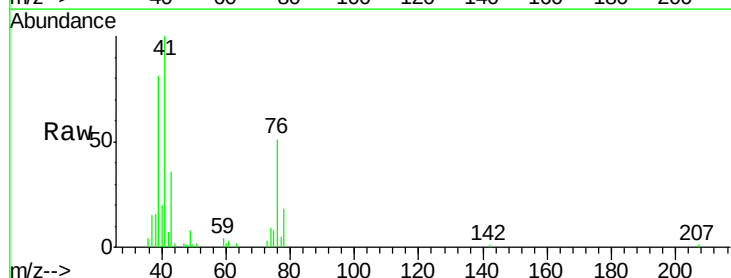
MMDadoda

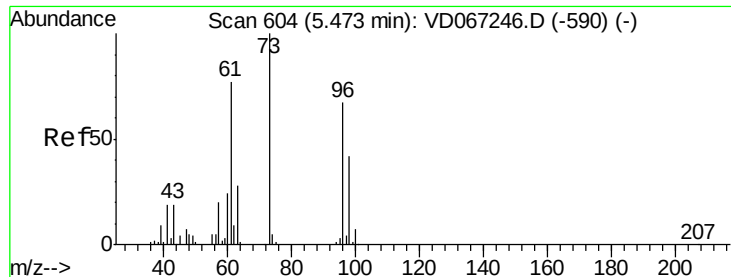
10/26/2020 1:37:42 PM



#18
Methyl Acetate
Concen: 20.953 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.4	26.6	39.8





#19
Methyl tert-butyl Ether
Concen: 20.918 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

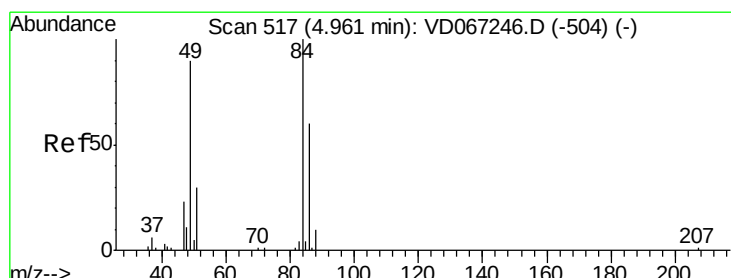
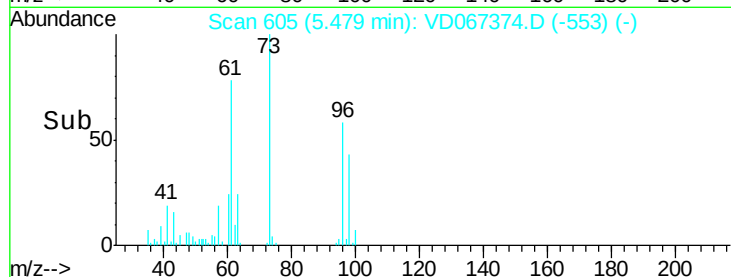
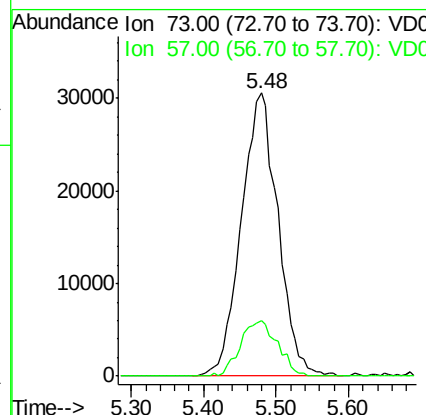
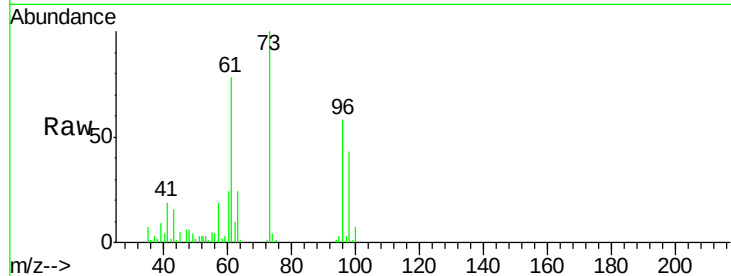
Instrument :
MSVOA_D
ClientSampleId :
VD1023SBSD01

Tot Ion: 73 Resp: 107515
Ion Ratio Lower Upper
73 100
57 19.5 15.7 23.5

Manual Integrations
APPROVED

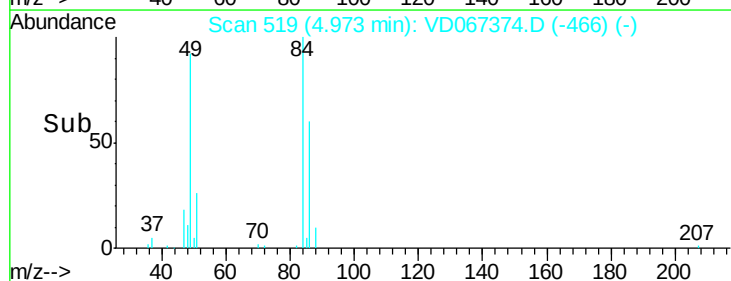
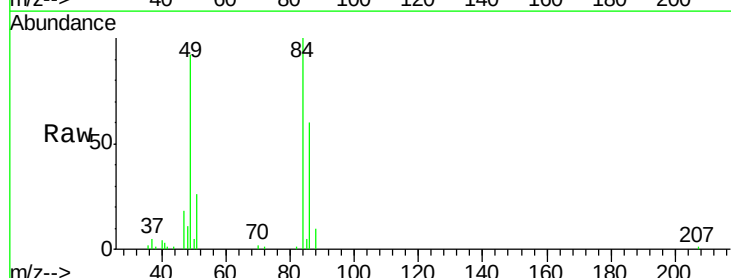
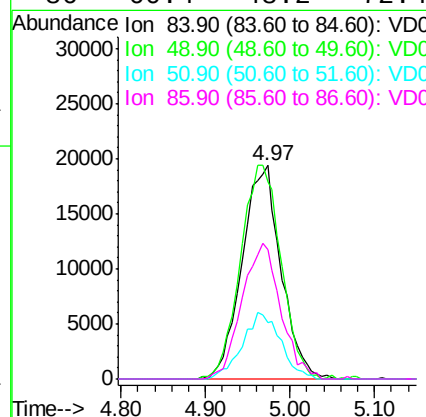
MMDadoda

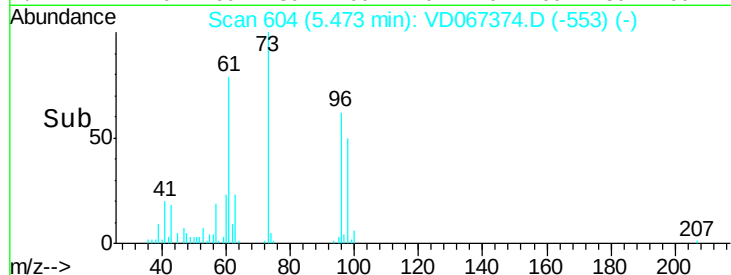
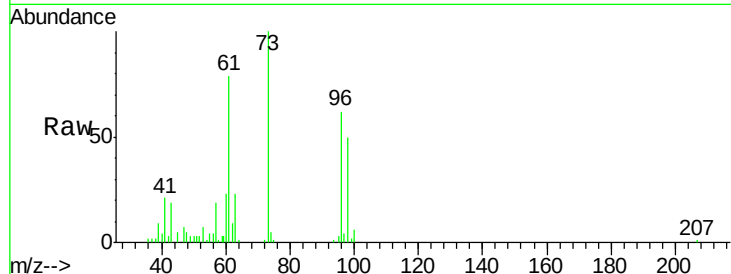
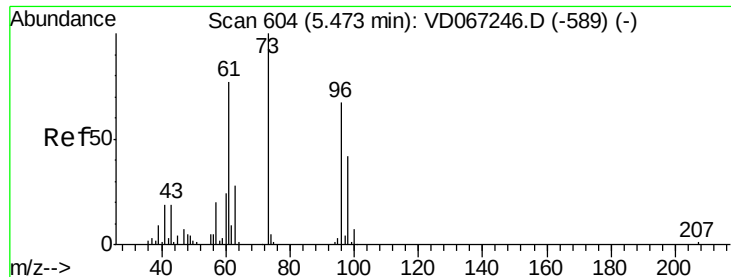
10/26/2020 1:37:42 PM



#20
Methylene Chloride
Concen: 19.324 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

Tgt Ion: 84 Resp: 62147
Ion Ratio Lower Upper
84 100
49 92.5 72.2 108.2
51 26.5 23.8 35.8
86 60.4 48.2 72.4





#21
trans-1,2-Dichloroethene
Concen: 20.065 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

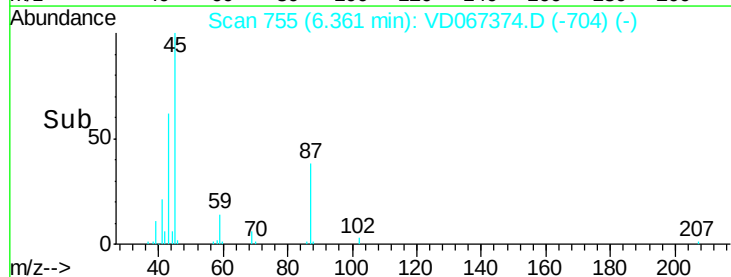
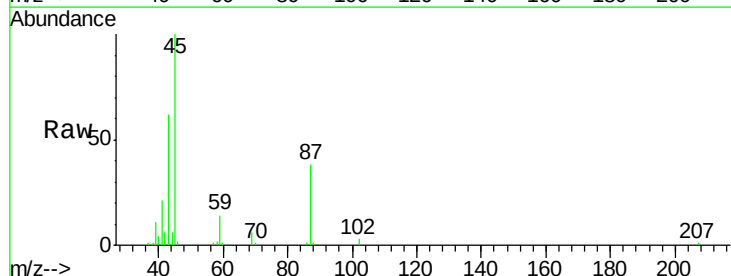
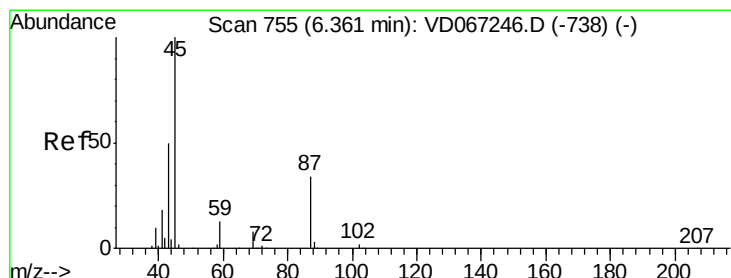
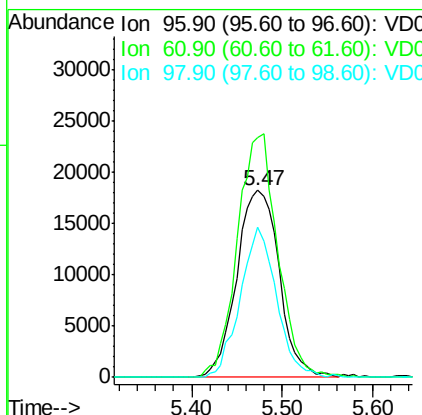
Tot Ion	Ratio	Lower	Upper
96	100		
61	128.5	92.0	138.0
98	80.7	49.8	74.8#

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBSD01

Manual Integrations
APPROVED

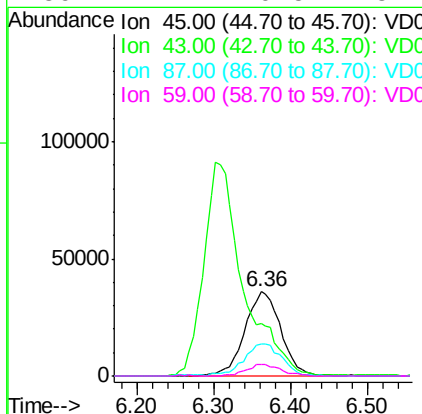
MMDadoda

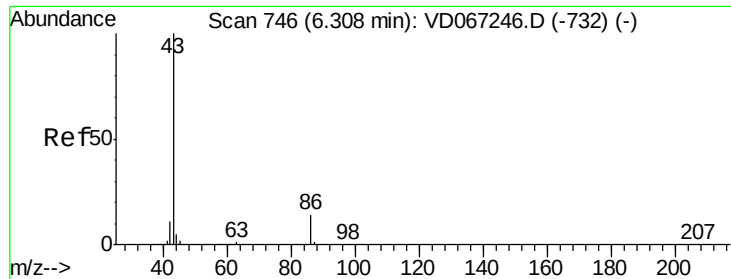
10/26/2020 1:37:42 PM



#22
Diisopropyl ether
Concen: 21.926 ug/l
RT: 6.36 min Scan# 755
Delta R.T. 0.00 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.2	48.0	72.0
87	37.6	28.5	42.7
59	14.2	10.5	15.7





#23

Vinyl Acetate

Concen: 105.380 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1023SBSD01

Tot Ion: 43 Resp: 324198

Ion Ratio Lower Upper

43 100

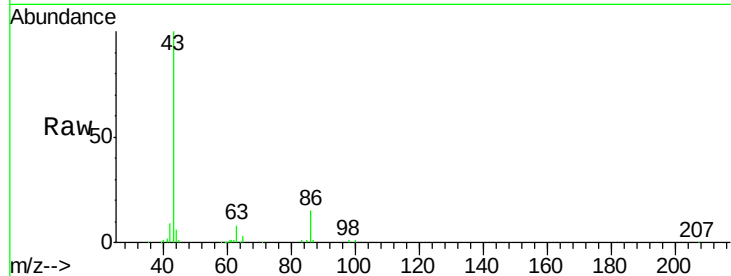
86 14.9 11.0 16.6

Manual Integrations

APPROVED

MMDadoda

10/26/2020 1:37:42 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

100000

80000

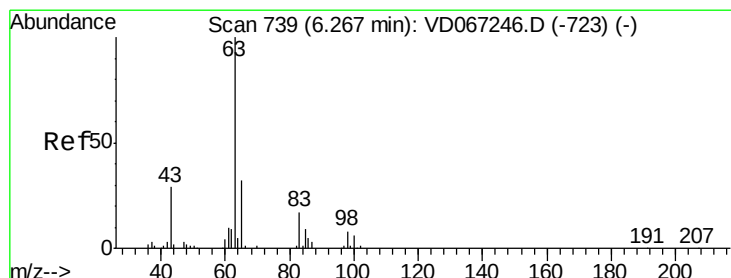
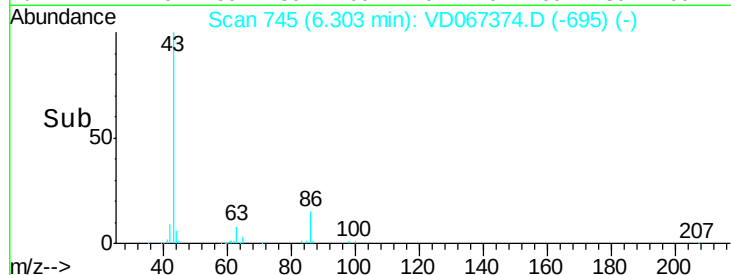
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.628 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

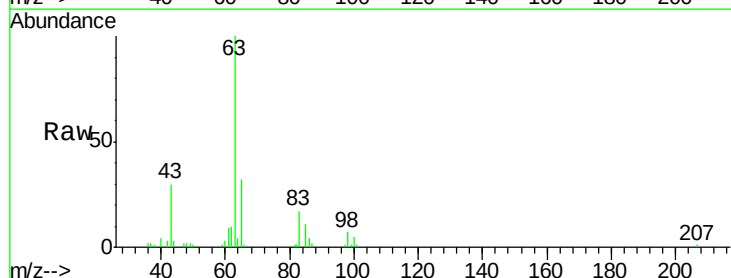
Tgt Ion: 63 Resp: 95484

Ion Ratio Lower Upper

63 100

98 7.1 4.0 12.2

100 4.8 2.8 8.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

40000

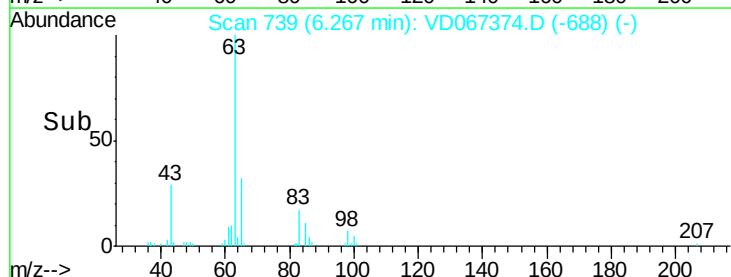
30000

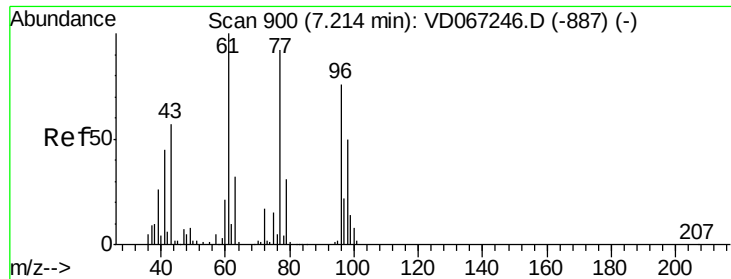
20000

10000

0

Time-->





#25

2-Butanone

Concen: 104.790 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1023SBS01

Tot Ion: 43 Resp: 52492

Ion Ratio Lower Upper

43 100

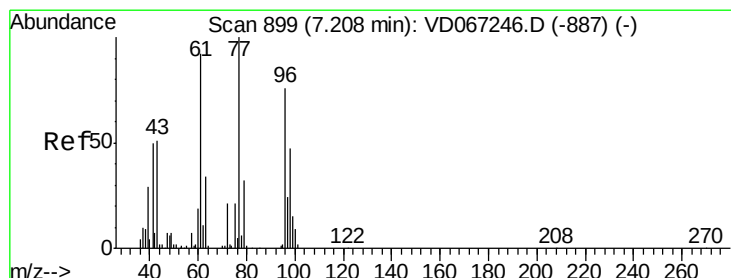
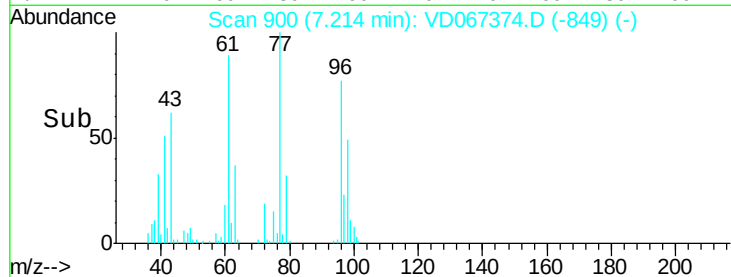
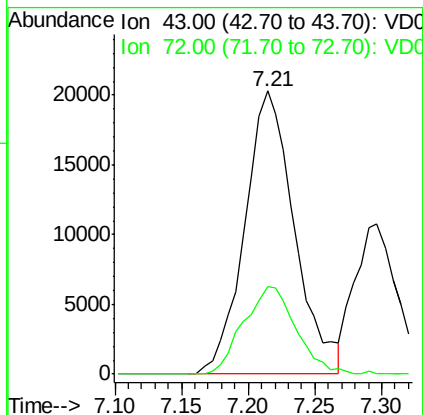
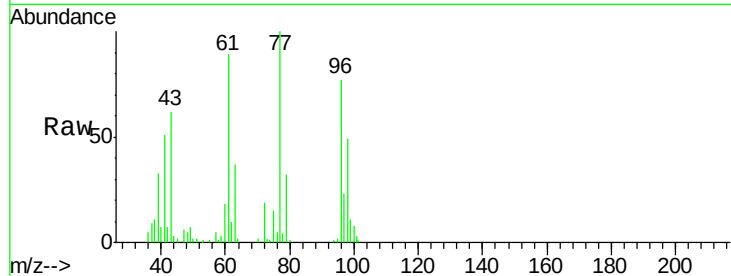
72 30.7 23.7 35.5

Manual Integrations

APPROVED

MMDadoda

10/26/2020 1:37:42 PM



#26

2,2-Dichloropropane

Concen: 20.838 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD067374.D

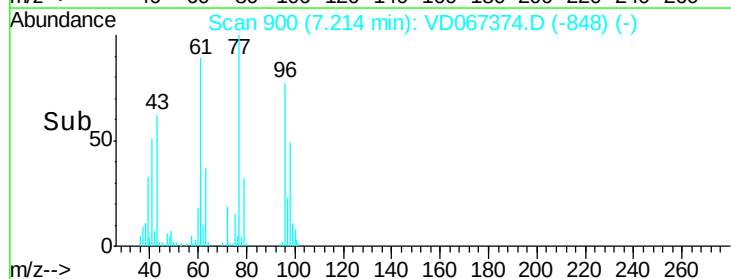
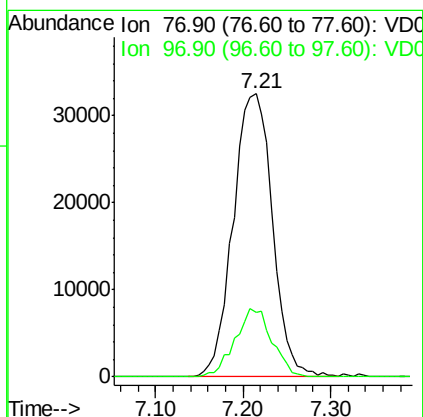
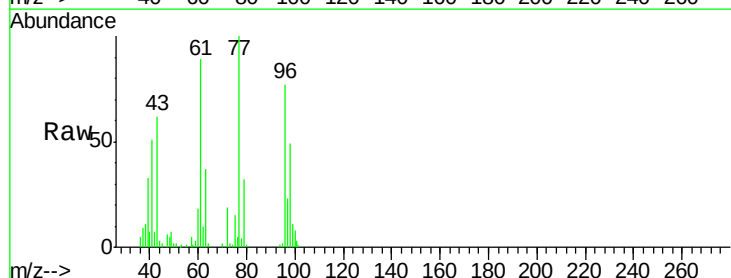
Acq: 23 Oct 2020 11:36

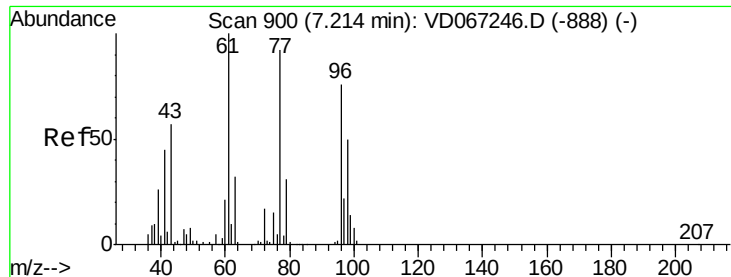
Tgt Ion: 77 Resp: 99420

Ion Ratio Lower Upper

77 100

97 22.6 11.4 34.2





#27

cis-1,2-Dichloroethene
Concen: 20.063 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

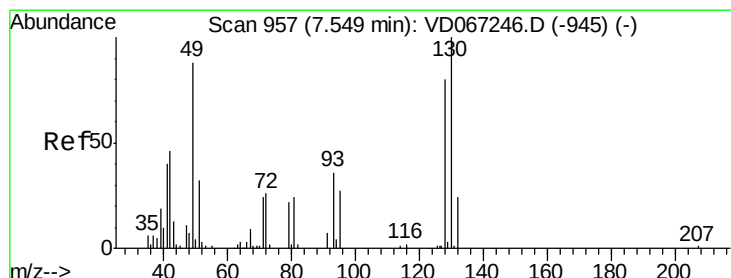
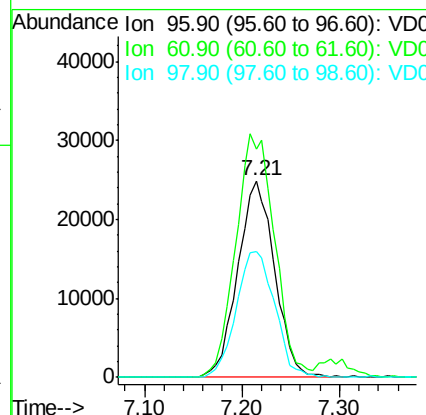
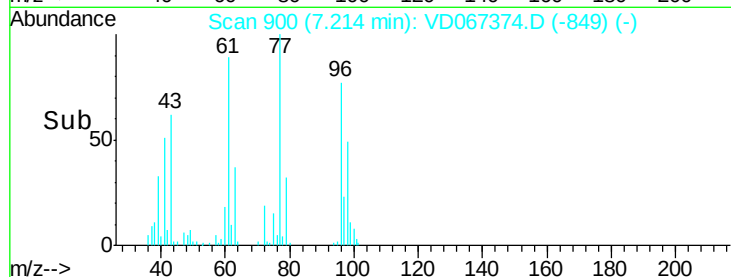
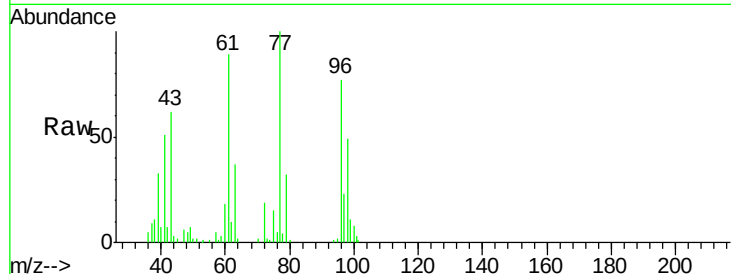
Instrument :
MSVOA_D
ClientSampleId :
VD1023SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.5	0.0	255.4
98	66.8	0.0	128.0

Manual Integrations
APPROVED

MMDadoda

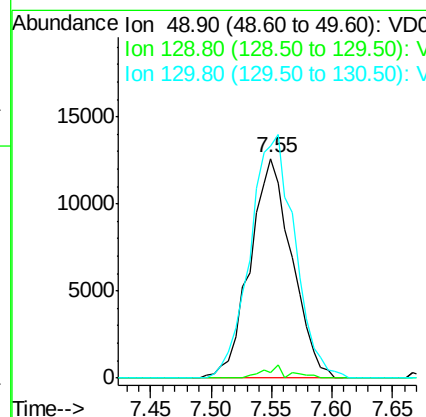
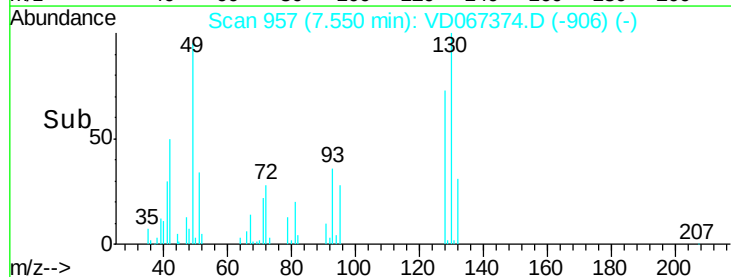
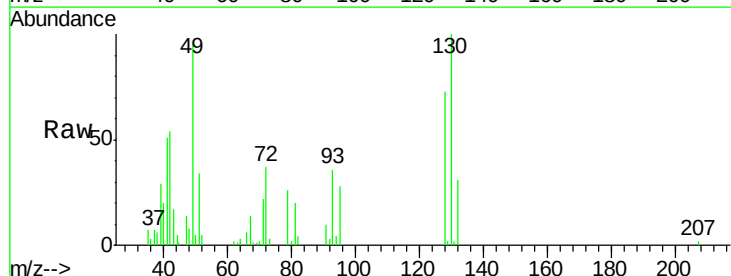
10/26/2020 1:37:42 PM

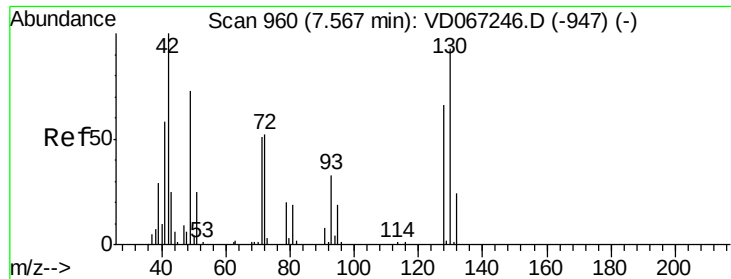


#28

Bromochloromethane
Concen: 19.233 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	1.6#
130	117.6	91.0	136.6





#29
Tetrahydrofuran
Concen: 106.542 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

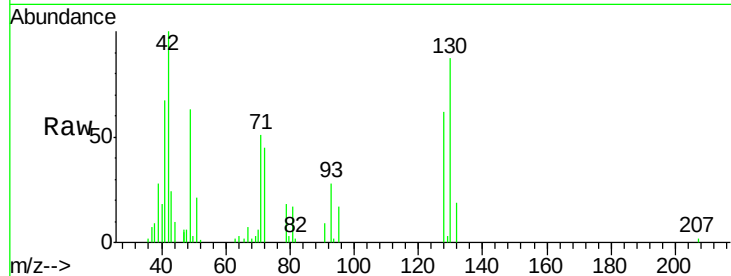
Instrument :
MSVOA_D
ClientSampleId :
VD1023SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	55.9	43.2	64.8
71	50.2	39.4	59.0

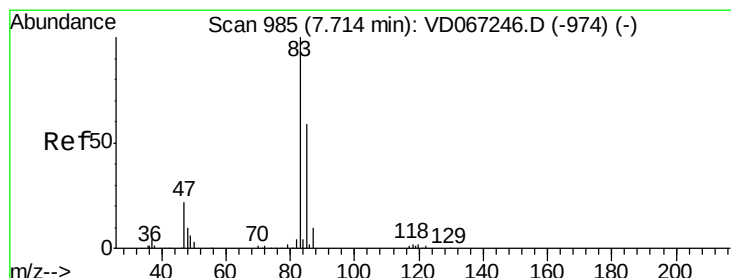
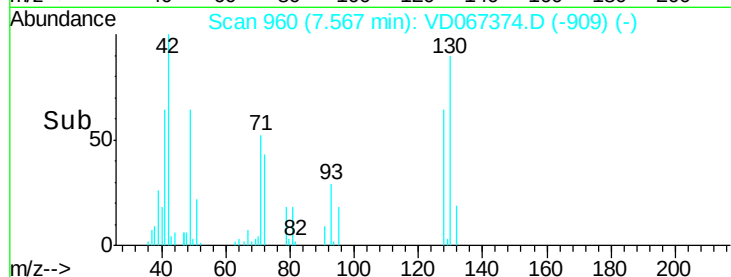
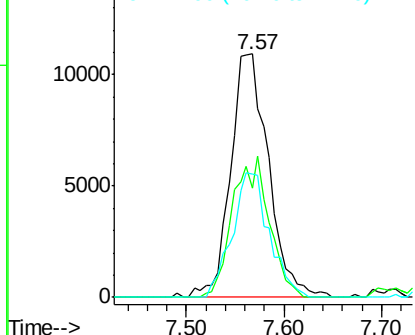
Manual Integrations
APPROVED

MMDadoda

10/26/2020 1:37:42 PM

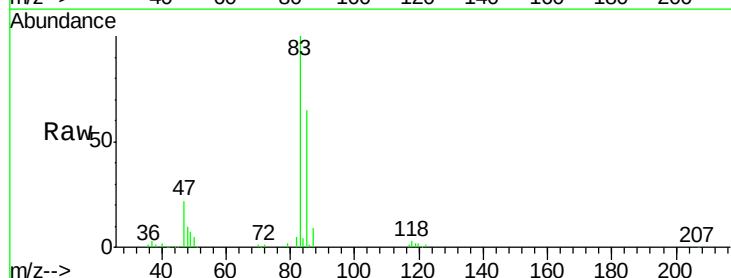


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

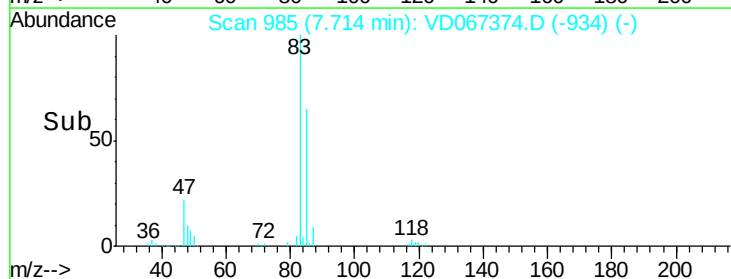
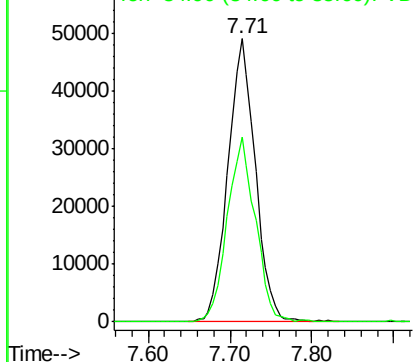


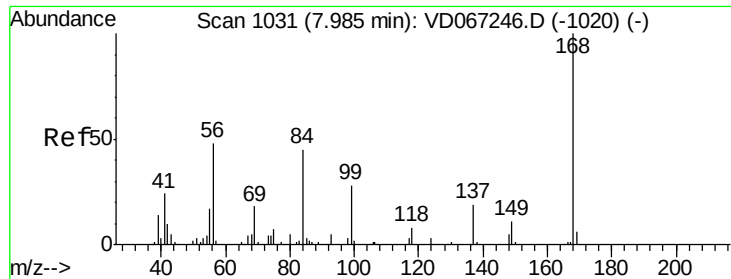
#30
Chloroform
Concen: 20.754 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	47.3	70.9



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 20.027 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1023SBSD01

Tot Ion: 56 Resp: 72380

Ion Ratio Lower Upper

56 100

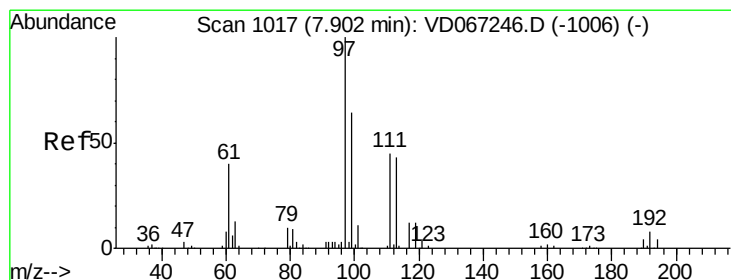
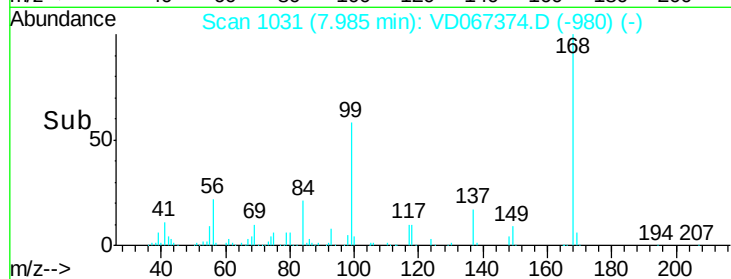
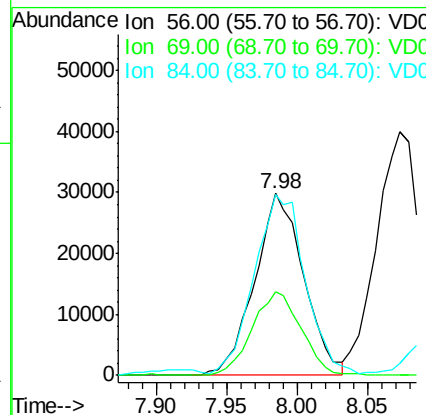
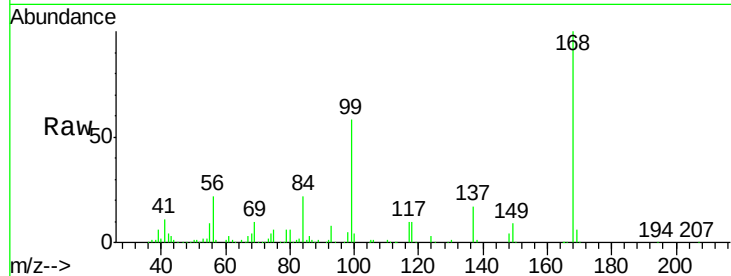
69 45.8 29.8 44.6#

84 97.1 76.6 114.8

Manual Integrations
APPROVED

MMDadoda

10/26/2020 1:37:42 PM



#32

1,1,1-Trichloroethane

Concen: 20.850 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

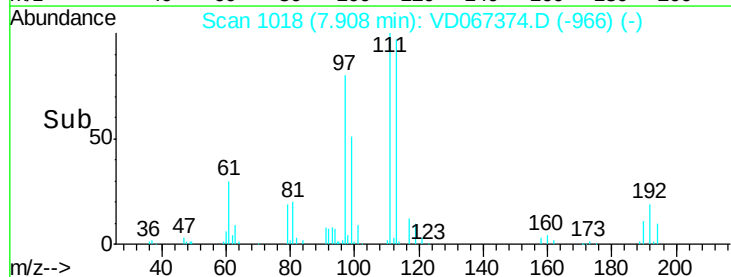
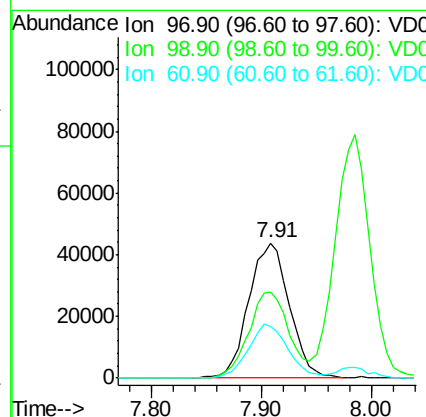
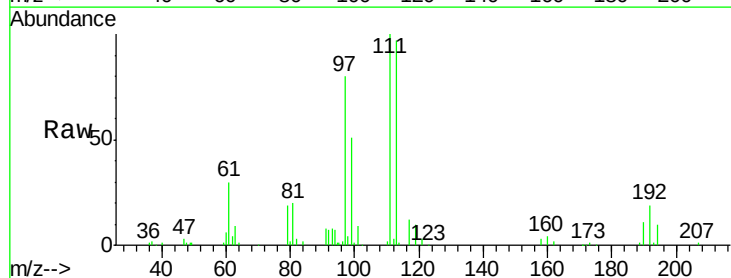
Tgt Ion: 97 Resp: 113121

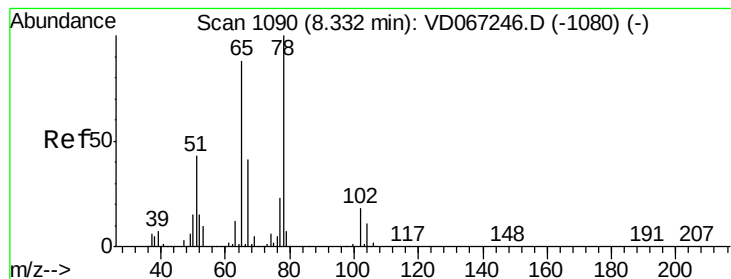
Ion Ratio Lower Upper

97 100

99 64.0 50.2 75.4

61 39.1 30.5 45.7





#33

1,2-Dichloroethane-d4

Concen: 49.202 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1023SBSD01

Tot Ion: 65 Resp: 154385

Ion Ratio Lower Upper

65 100

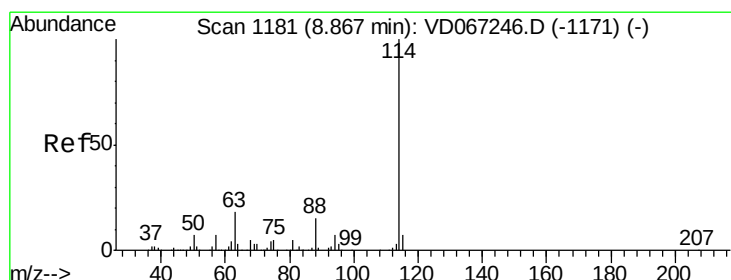
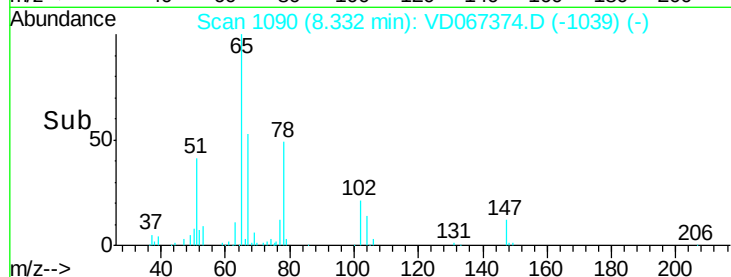
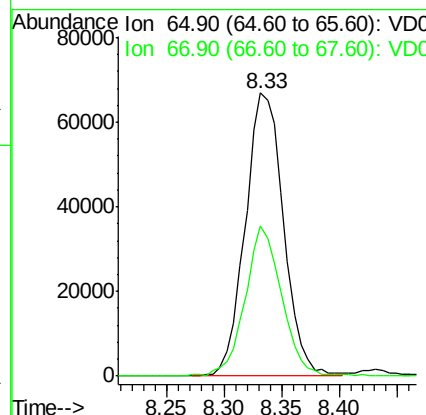
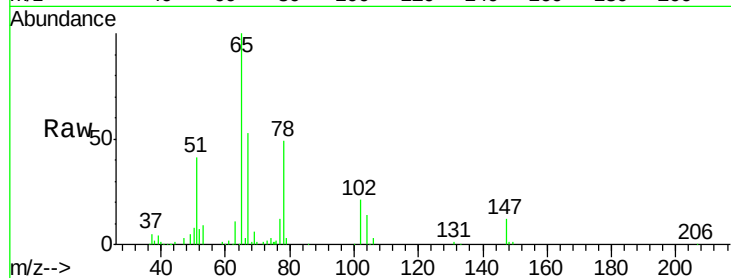
67 50.2 0.0 103.8

Manual Integrations

APPROVED

MMDadoda

10/26/2020 1:37:42 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

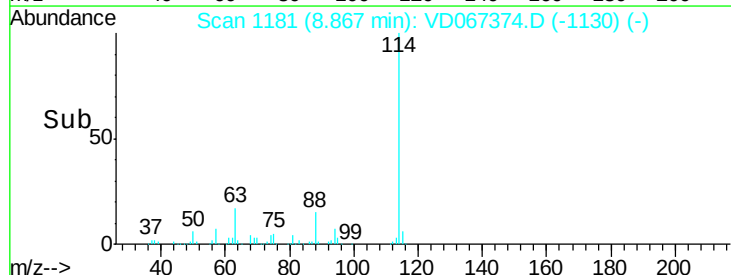
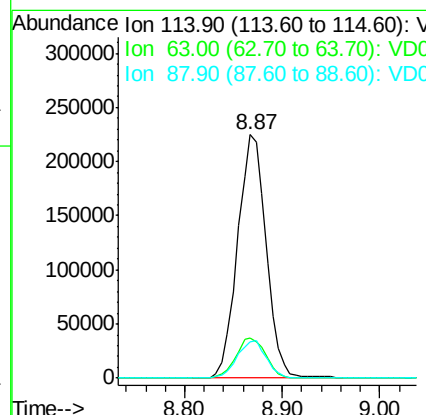
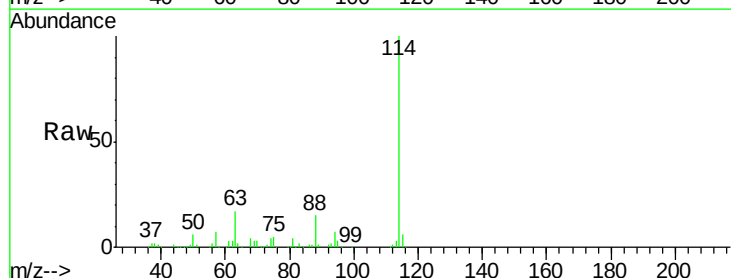
Tgt Ion: 114 Resp: 457997

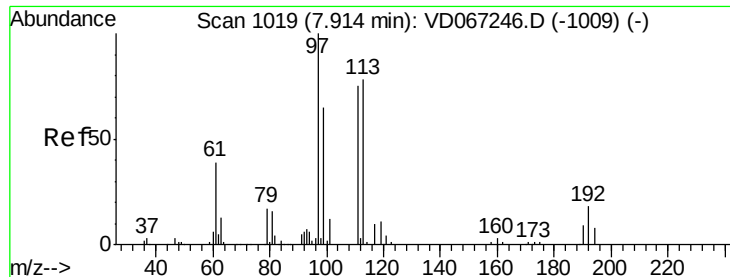
Ion Ratio Lower Upper

114 100

63 16.7 0.0 35.0

88 14.9 0.0 30.6





#35
Dibromofluoromethane
Concen: 53.671 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

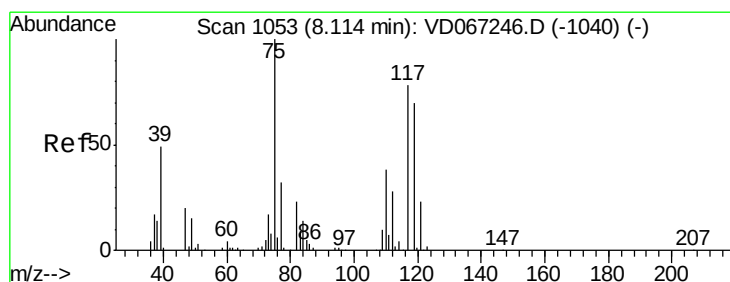
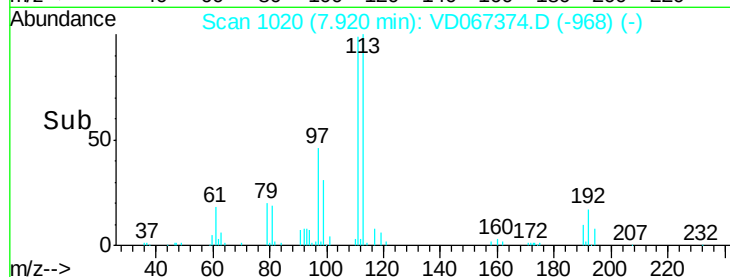
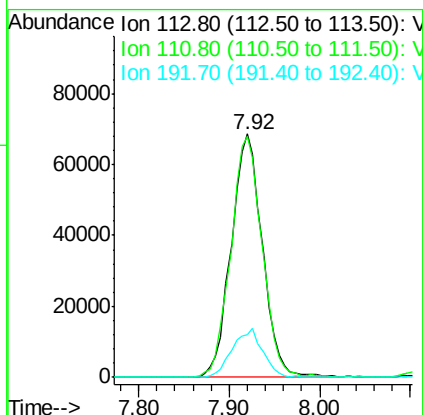
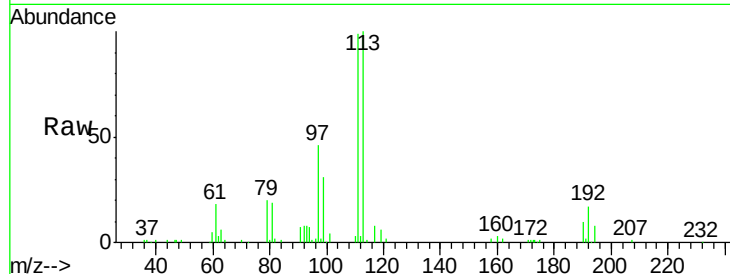
Instrument :
MSVOA_D
ClientSampleId :
VD1023SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	163589		
111	100.0	81.6	122.4	
192	19.6	17.0	25.4	

Manual Integrations
APPROVED

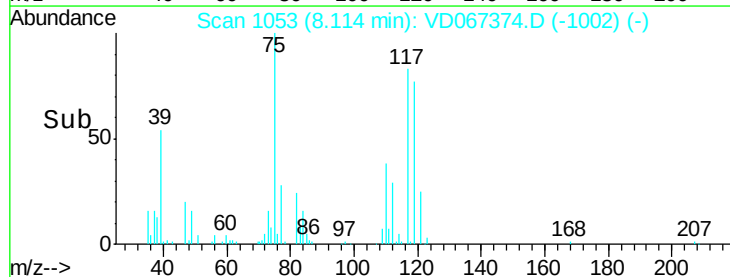
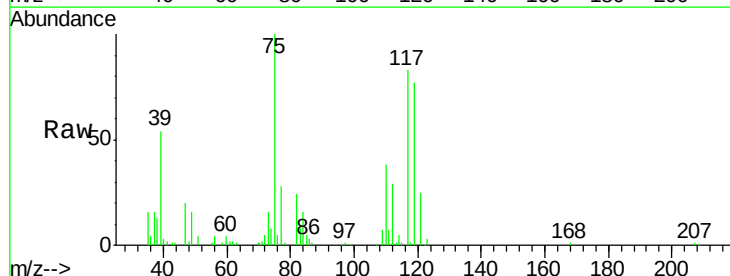
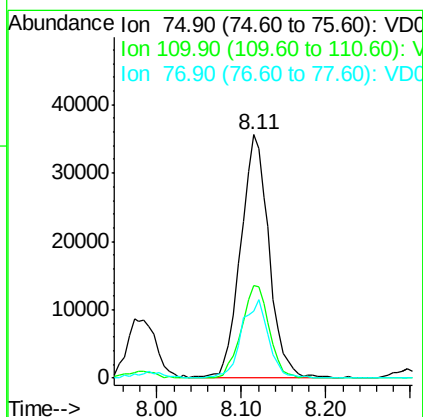
MMDadoda

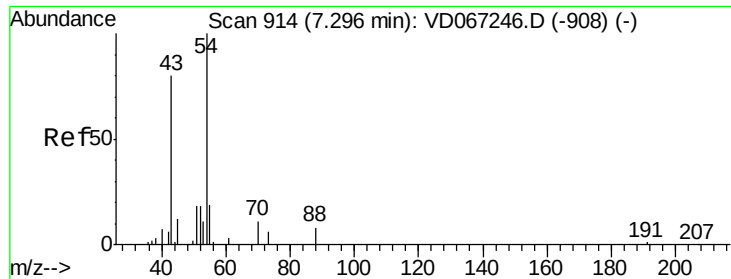
10/26/2020 1:37:42 PM



#36
1,1-Dichloropropene
Concen: 21.338 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	82832		
110	37.3	19.6	58.7	
77	30.8	24.6	37.0	





#37
Ethyl Acetate
Concen: 20.384 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

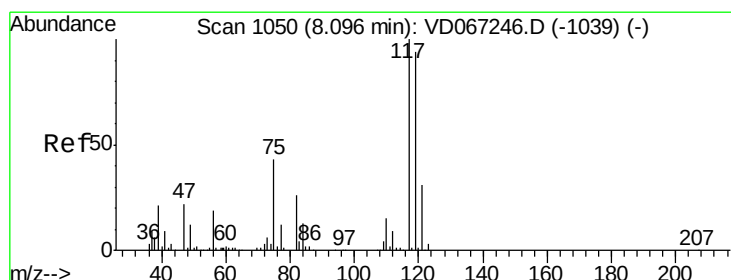
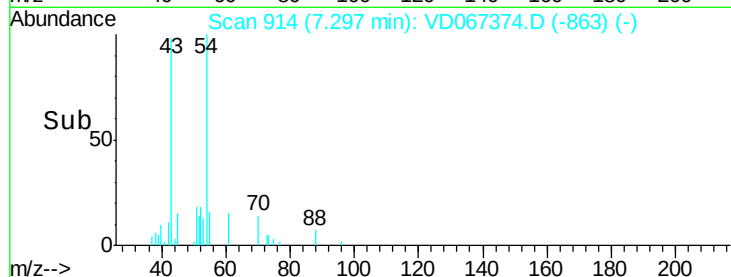
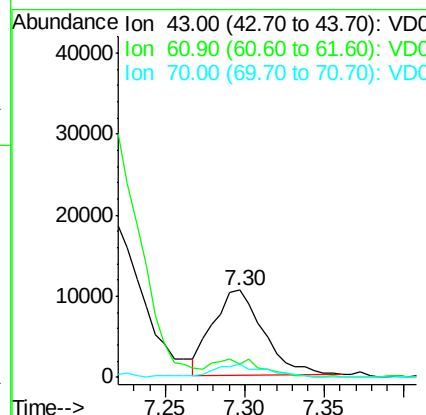
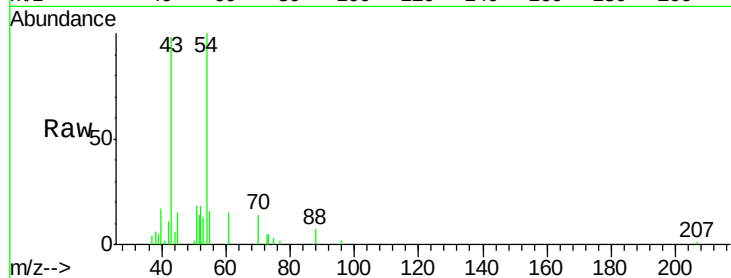
Instrument :
MSVOA_D
ClientSampleId :
VD1023SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.0	15.6	23.4
70	16.5	10.4	15.6

Manual Integrations
APPROVED

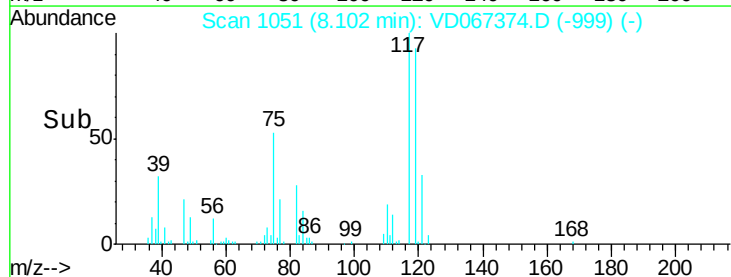
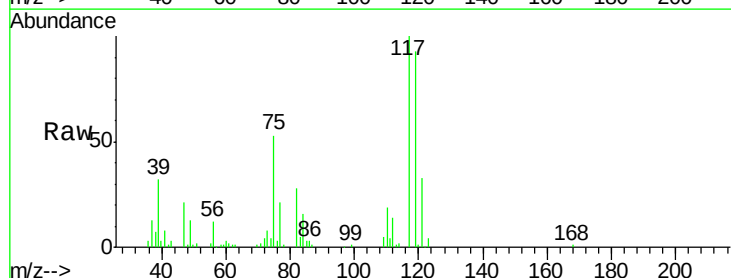
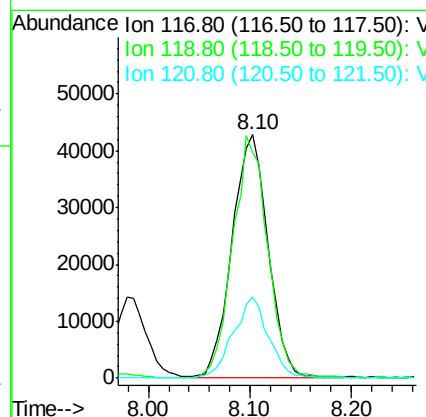
MMDadoda

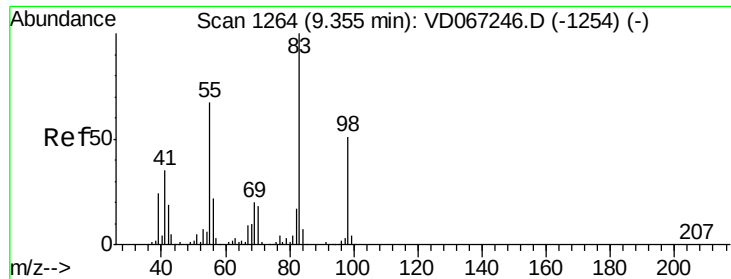
10/26/2020 1:37:42 PM



#38
Carbon Tetrachloride
Concen: 21.364 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.9	75.0	112.4
121	33.2	24.9	37.3





#39
Methylvlcyclohexane
Concen: 20.409 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

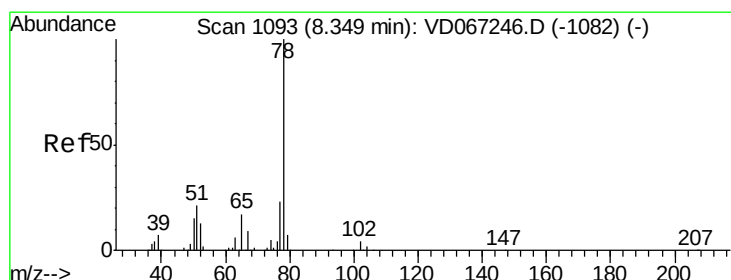
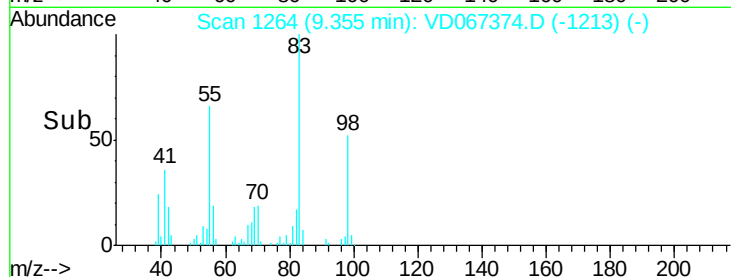
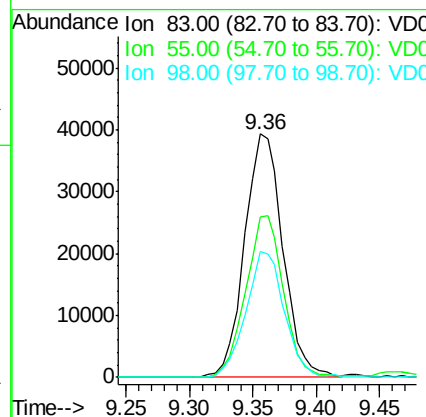
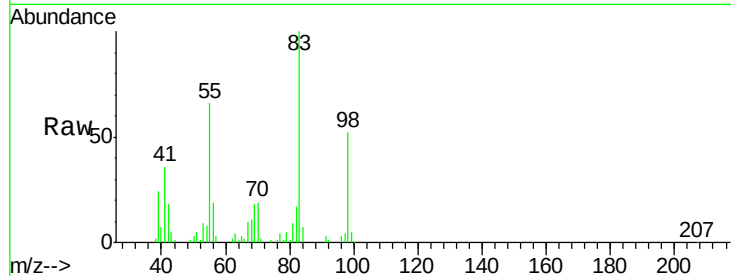
Instrument :
MSVOA_D
ClientSampleId :
VD1023SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	65.8	53.3	79.9
98	51.6	41.0	61.4

Manual Integrations
APPROVED

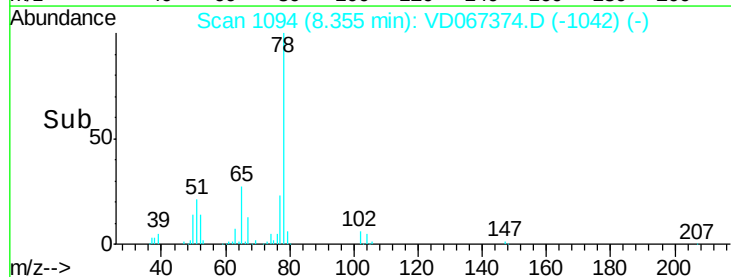
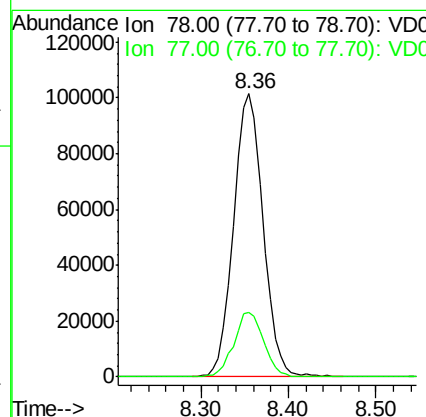
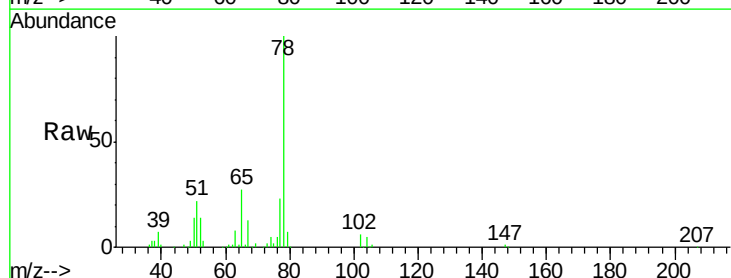
MMDadoda

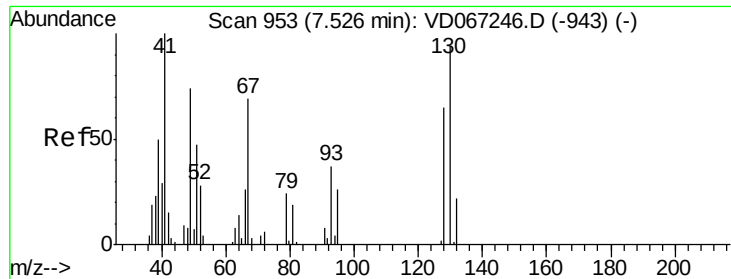
10/26/2020 1:37:42 PM



#40
Benzene
Concen: 21.802 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.3	27.5





#41

Methacrylonitrile

Concen: 22.384 ug/l m

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

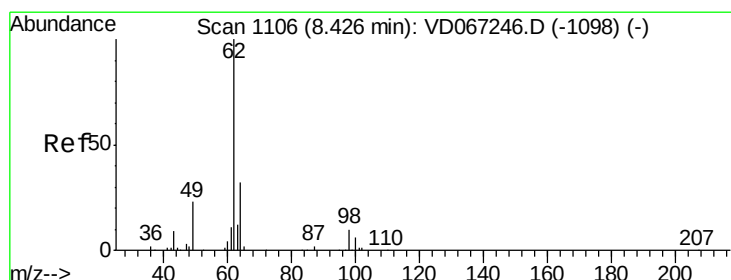
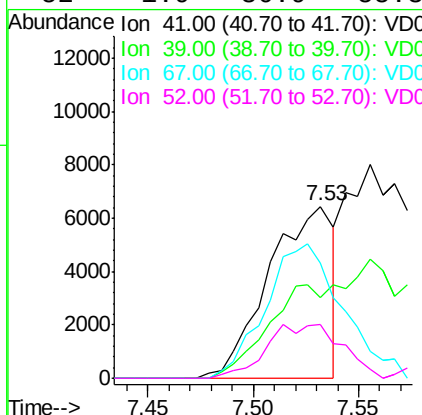
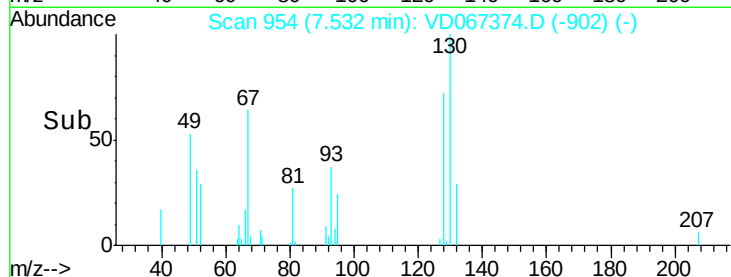
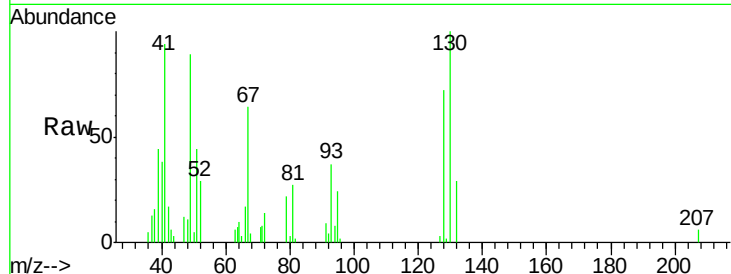
VD1023SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
41	100			
39	72.4	60.0	90.0	
67	0.0	88.9	133.3	
52	1.9	36.9	55.3	

Manual Integrations
APPROVED

MMDadoda

10/26/2020 1:37:42 PM



#42

1,2-Dichloroethane

Concen: 22.619 ug/l

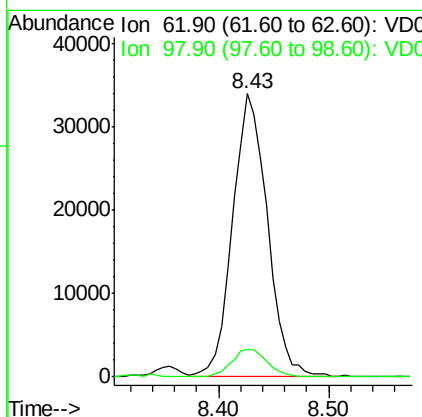
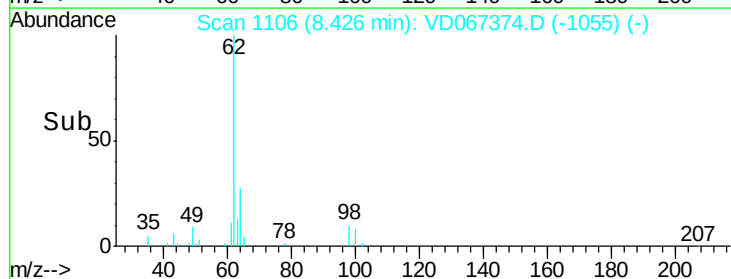
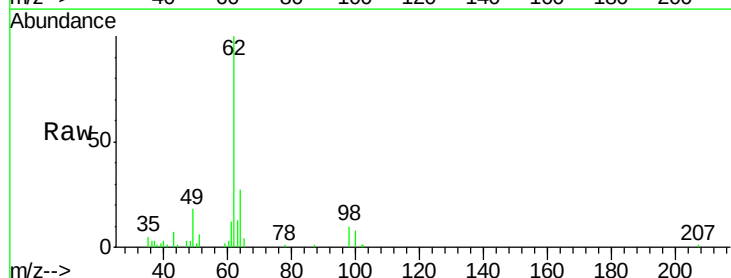
RT: 8.43 min Scan# 1106

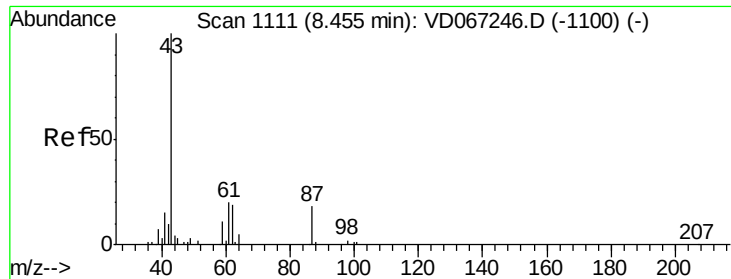
Delta R.T. 0.00 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
62	100			
98	9.9	0.0	19.4	





#43

Isopropyl Acetate

Concen: 22.003 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

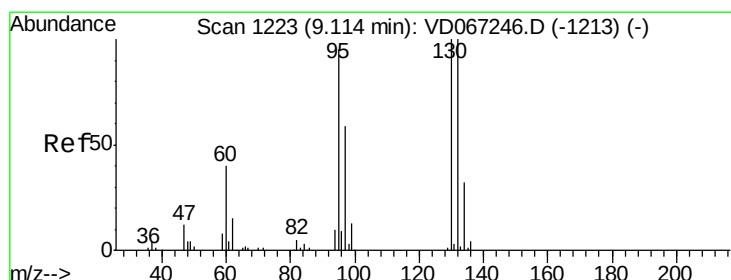
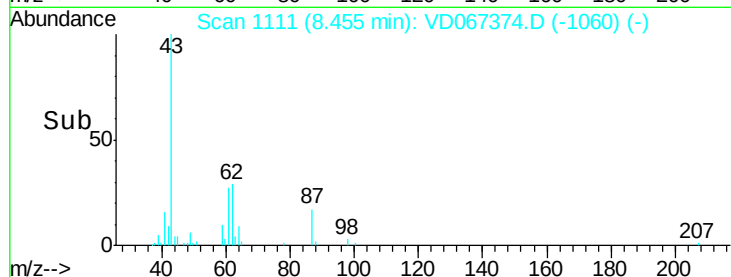
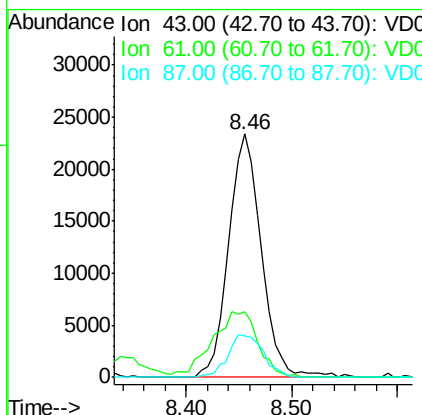
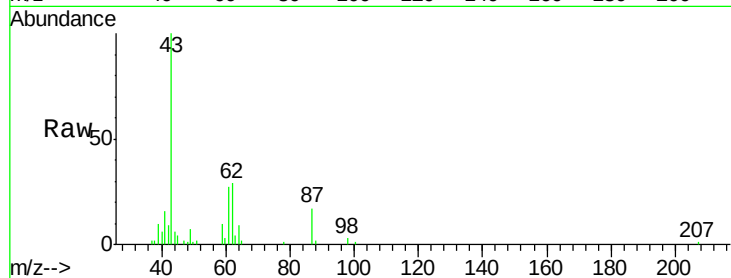
VD1023SBS01

Tot Ion:	43	Resp:	49864
Ion	Ratio	Lower	Upper
43	100		
61	38.2	29.5	44.3
87	19.2	14.2	21.4

Manual Integrations
APPROVED

MMDadoda

10/26/2020 1:37:42 PM



#44

Trichloroethene

Concen: 21.950 ug/l

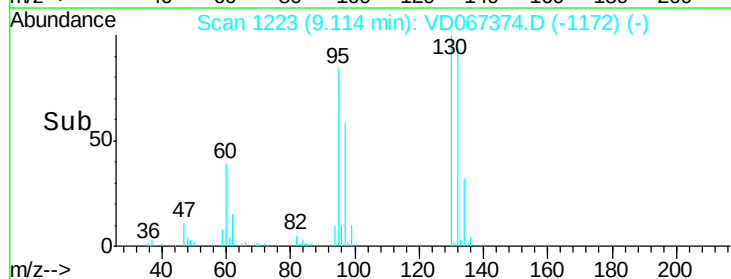
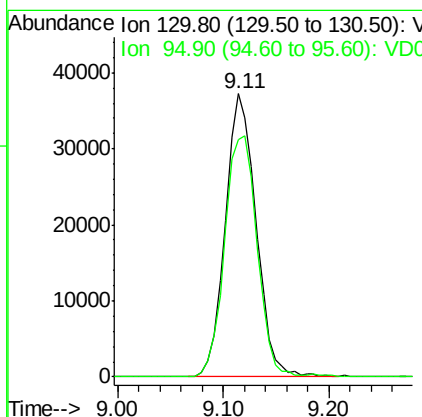
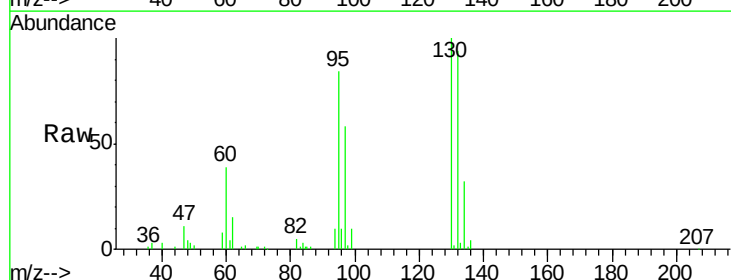
RT: 9.11 min Scan# 1223

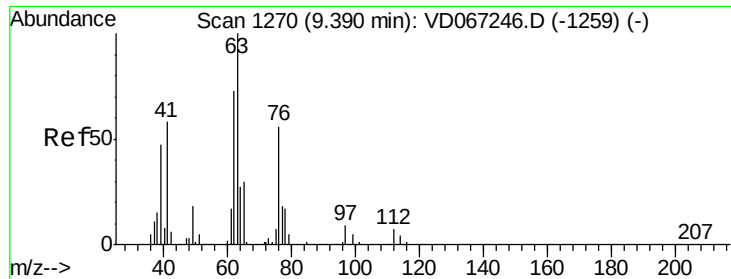
Delta R.T. 0.00 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

Tgt Ion:	130	Resp:	74841
Ion	Ratio	Lower	Upper
130	100		
95	83.8	0.0	190.6





#45
 1,2-Dichloropropane
 Concen: 21.574 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067374.D
 Acq: 23 Oct 2020 11:36

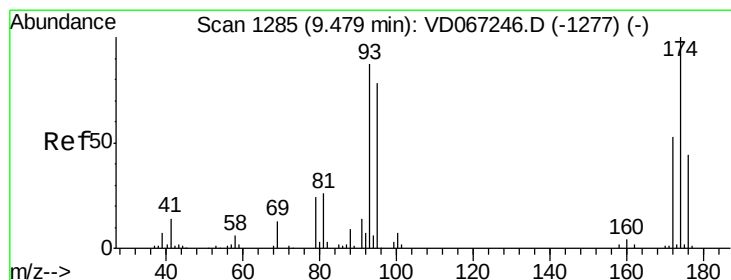
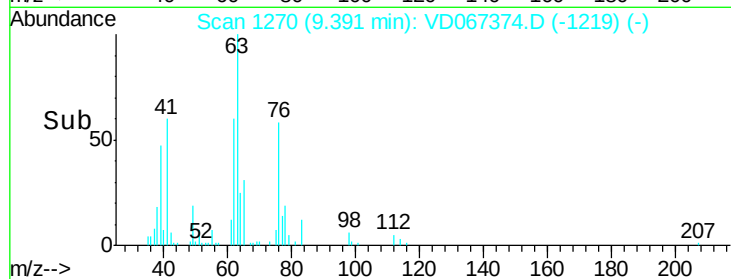
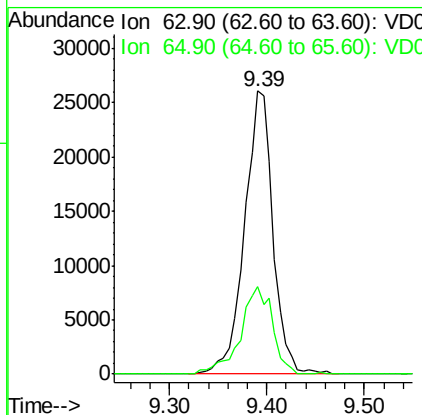
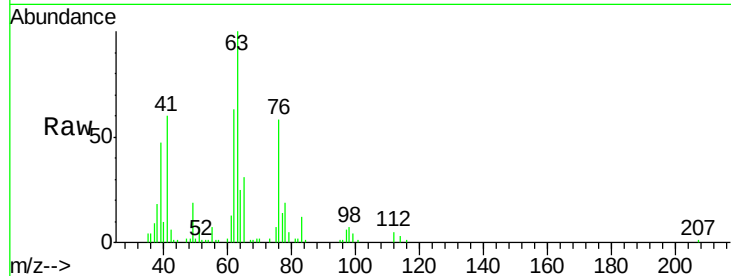
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1023SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.6	36.8

Manual Integrations
 APPROVED

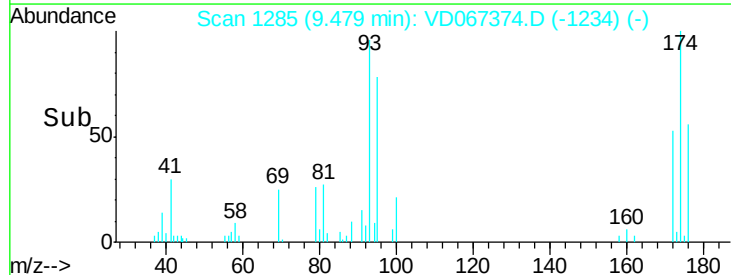
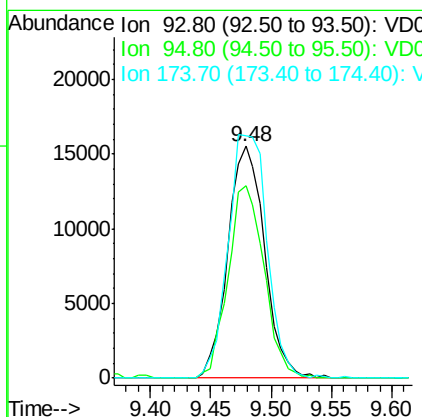
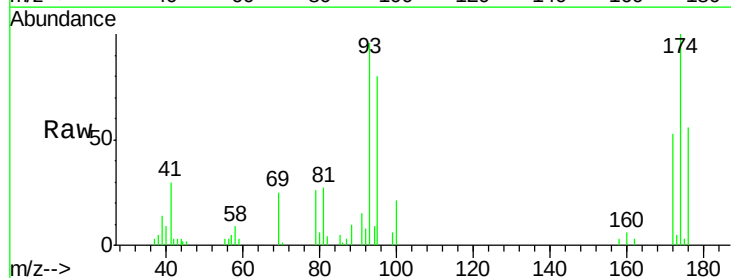
MMDadoda

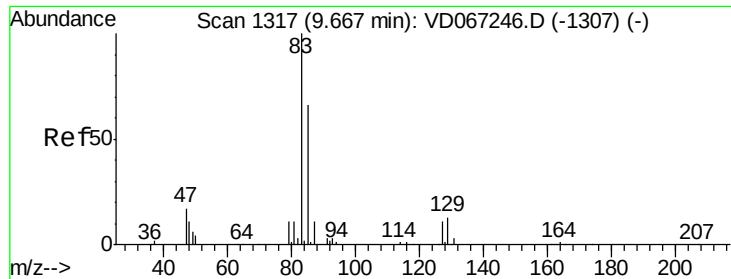
10/26/2020 1:37:42 PM



#46
 Dibromomethane
 Concen: 21.426 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067374.D
 Acq: 23 Oct 2020 11:36

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.3	68.0	102.0
174	111.0	91.8	137.6





#47
Bromodichloromethane
Concen: 21.856 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

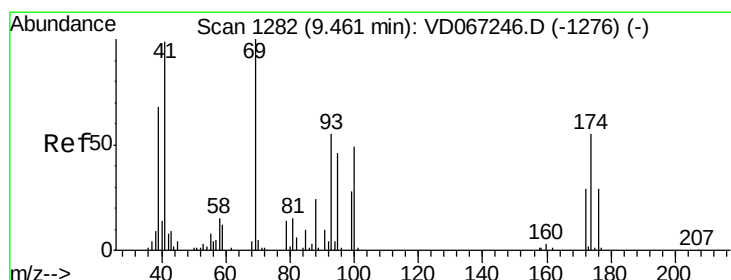
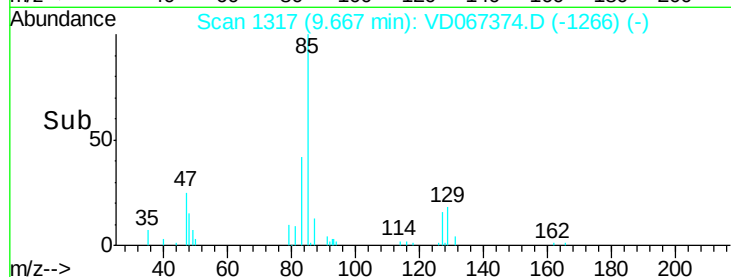
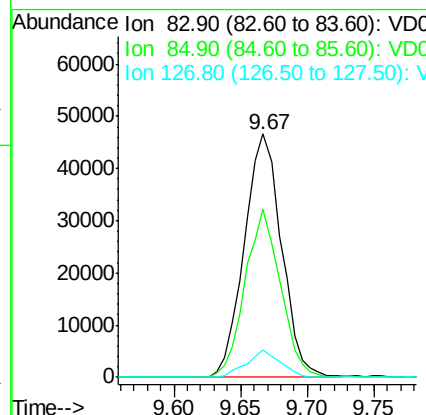
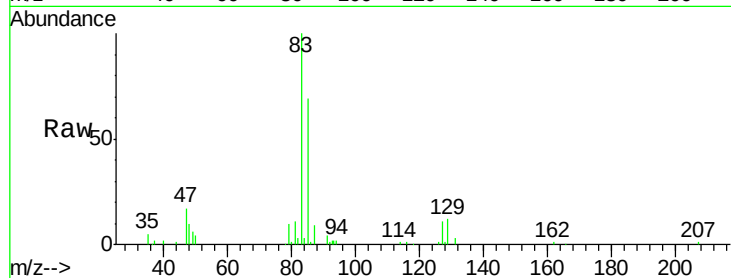
Instrument :
MSVOA_D
ClientSampleId :
VD1023SBSD01

Tot Ion	83	Resp	90044
Ion Ratio	100	Lower	Upper
83	100		
85	68.9	53.1	79.7
127	11.0	8.6	13.0

Manual Integrations
APPROVED

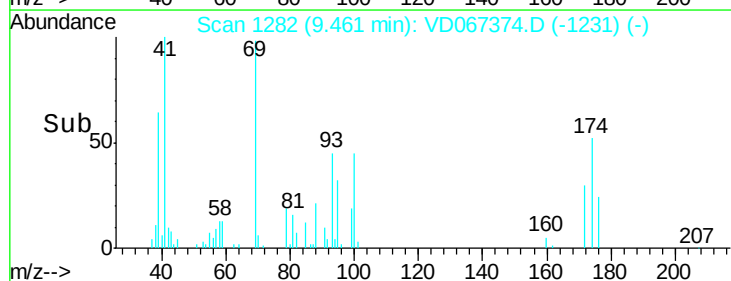
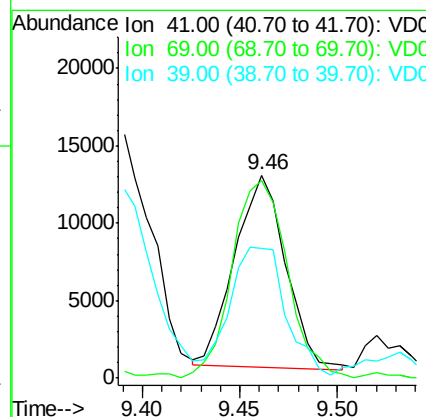
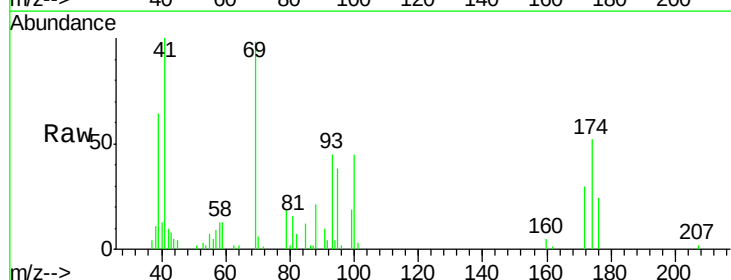
MMDadoda

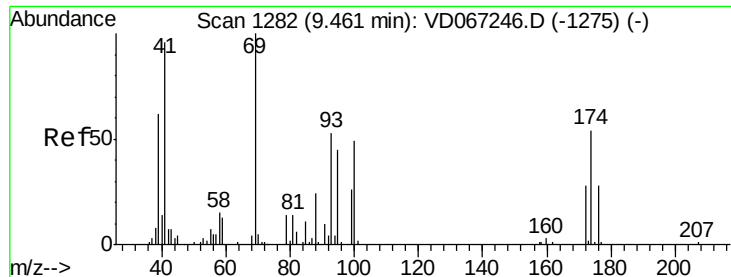
10/26/2020 1:37:42 PM



#48
Methyl methacrylate
Concen: 20.508 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

Tgt Ion	41	Resp	22586
Ion Ratio	100	Lower	Upper
41	100		
69	111.6	89.0	133.6
39	72.1	60.2	90.2





#49
1,4-Dioxane
Concen: 398.224 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

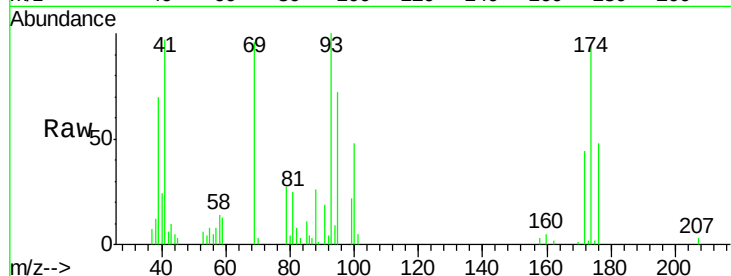
Instrument :
MSVOA_D
ClientSampleId :
VD1023SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.2	23.9	35.9
58	62.5	51.0	76.6

Manual Integrations
APPROVED

MMDadoda

10/26/2020 1:37:42 PM

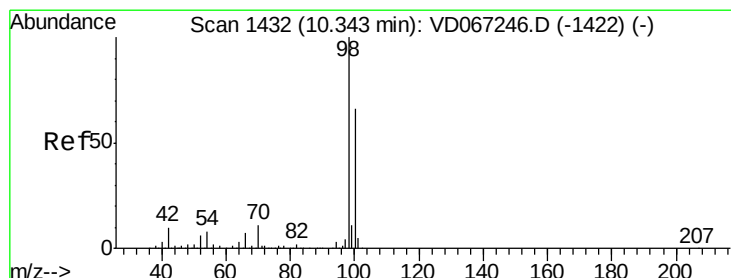
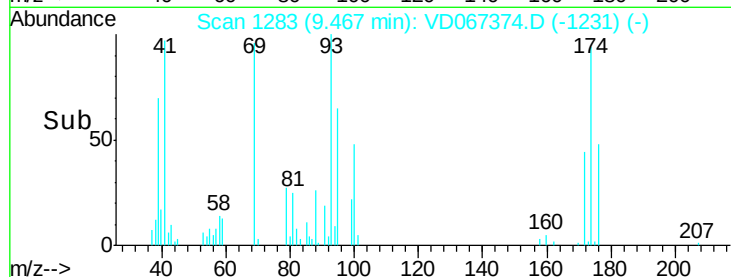
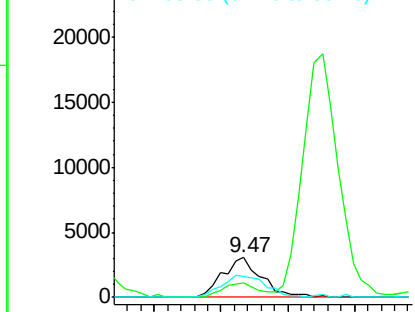


Abundance

Ion 88.00 (87.70 to 88.70): VDC

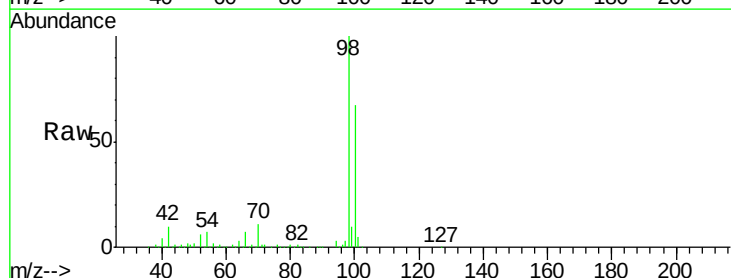
Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50
Toluene-d8
Concen: 51.747 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

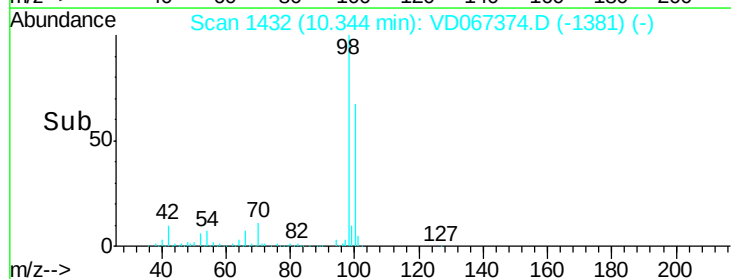
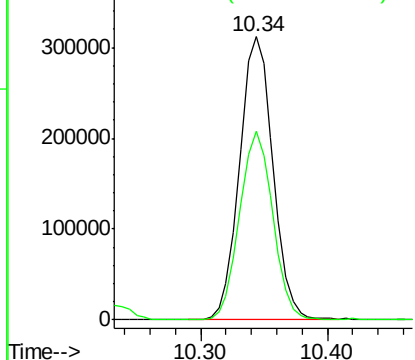
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.1	79.7

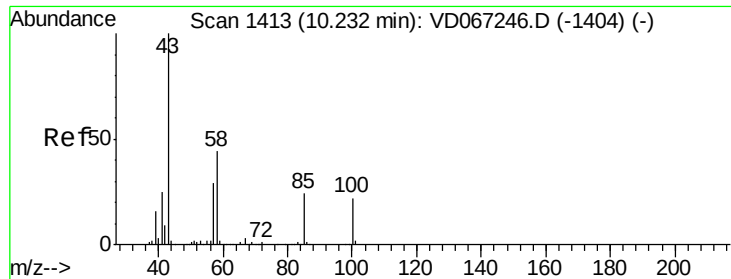


Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51
4-Methyl-2-Pentanone
Concen: 109.994 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

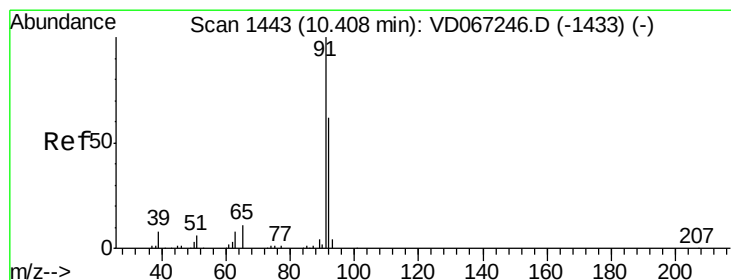
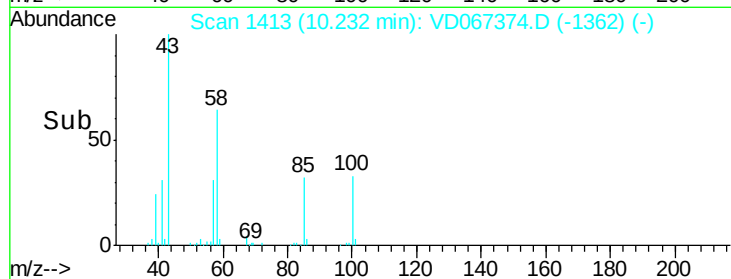
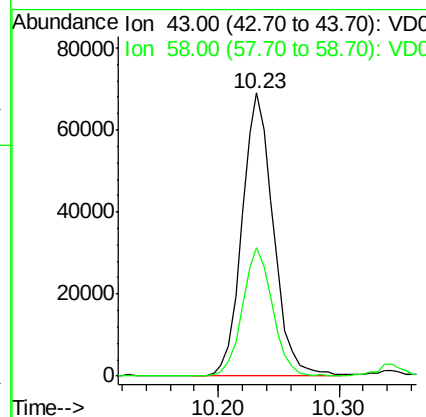
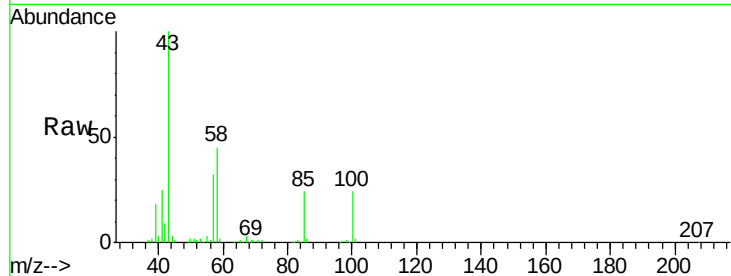
Instrument :
MSVOA_D
ClientSampleId :
VD1023SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	43.6	35.7	53.5

Manual Integrations
APPROVED

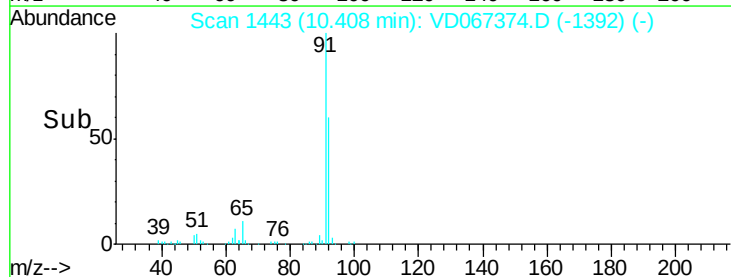
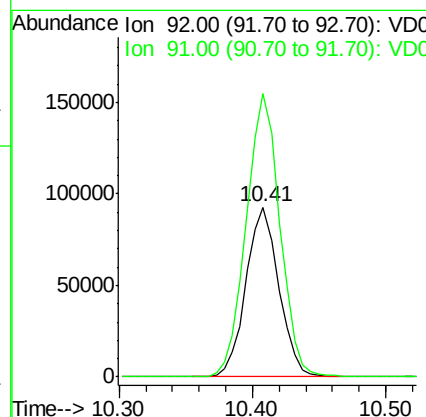
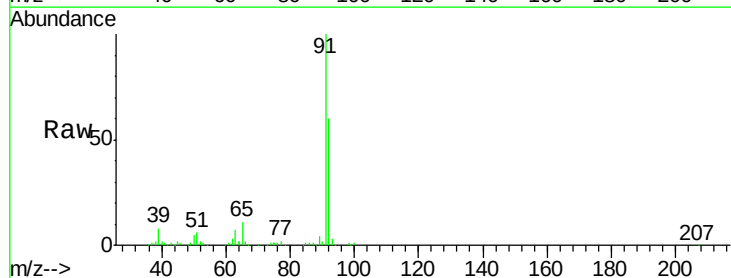
MMDadoda

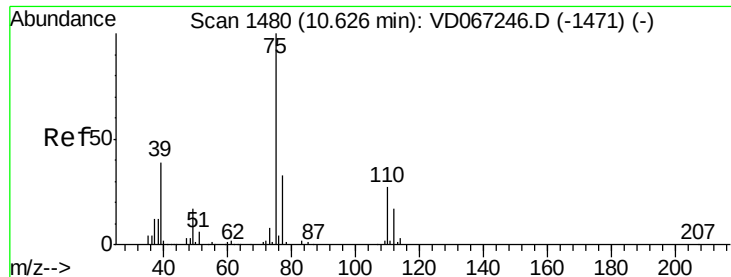
10/26/2020 1:37:42 PM



#52
Toluene
Concen: 21.736 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.6	133.8	200.8





#53
t-1,3-Dichloropropene
Concen: 21.791 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

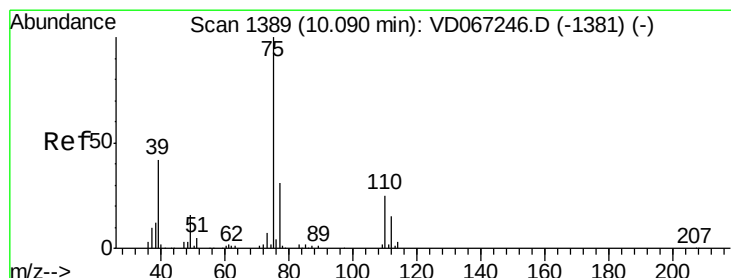
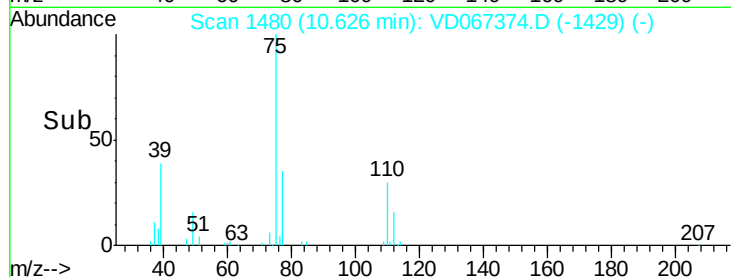
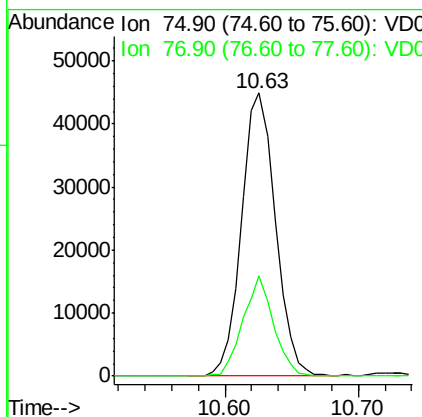
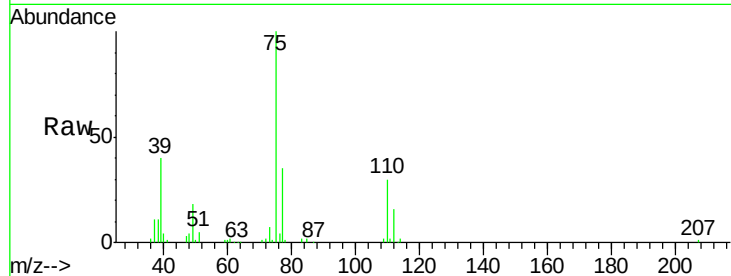
Instrument :
MSVOA_D
ClientSampleId :
VD1023SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	35.5	26.5	39.7

Manual Integrations
APPROVED

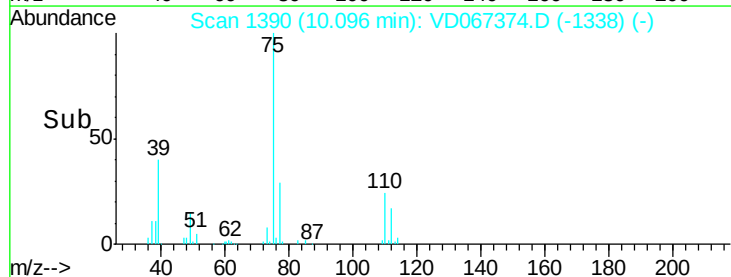
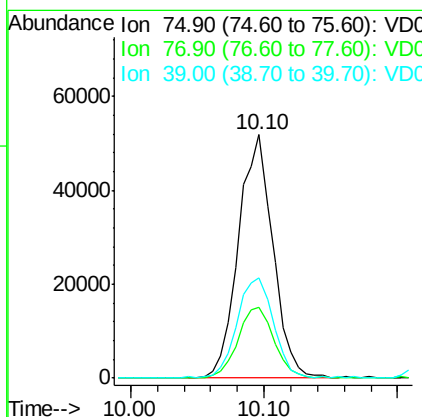
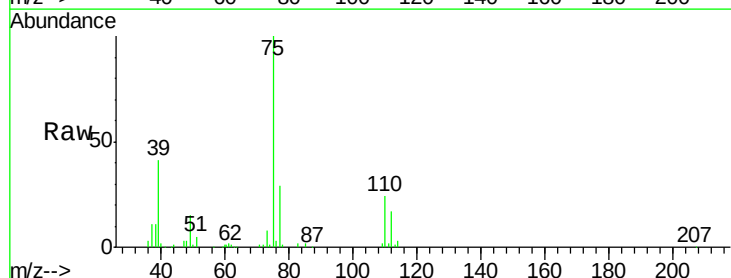
MMDadoda

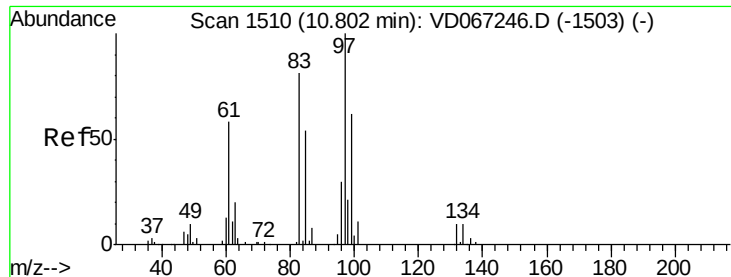
10/26/2020 1:37:42 PM



#54
cis-1,3-Dichloropropene
Concen: 21.830 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.01 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

Tgt Ion	Ratio	Lower	Upper
75	100		
77	28.9	24.5	36.7
39	40.8	33.7	50.5





#55
 1,1,2-Trichloroethane
 Concen: 21.784 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067374.D
 Acq: 23 Oct 2020 11:36

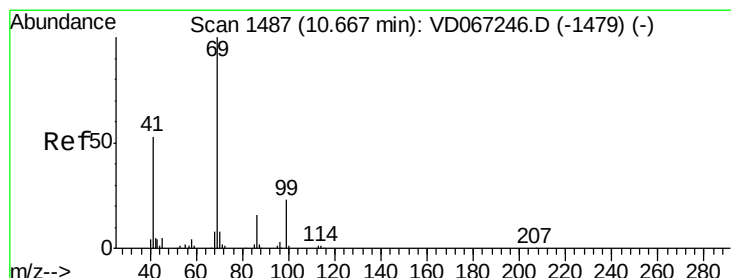
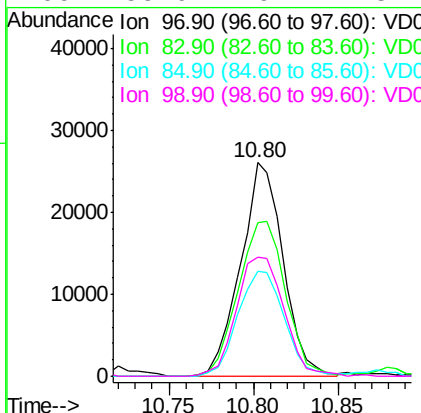
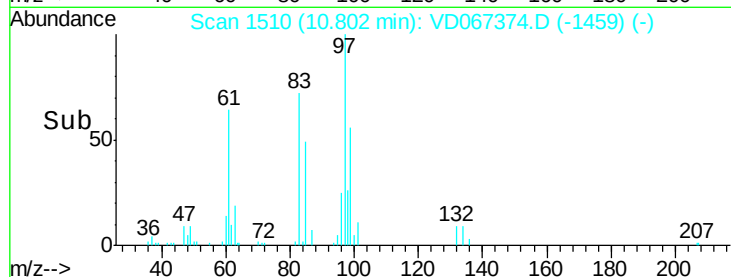
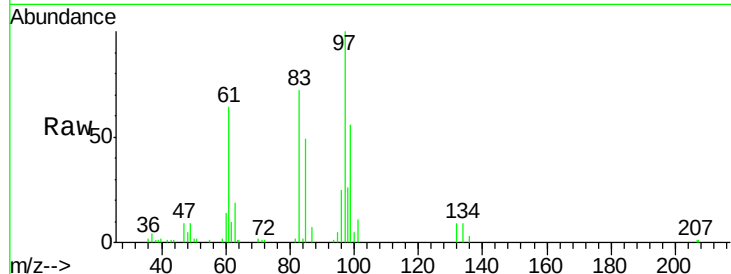
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1023SBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	72.1	64.9	97.3
85	48.9	43.3	64.9
99	55.6	49.1	73.7

Manual Integrations
 APPROVED

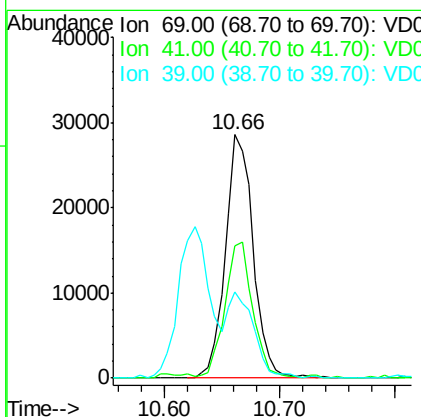
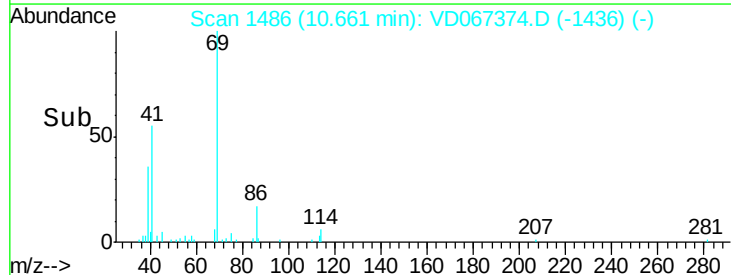
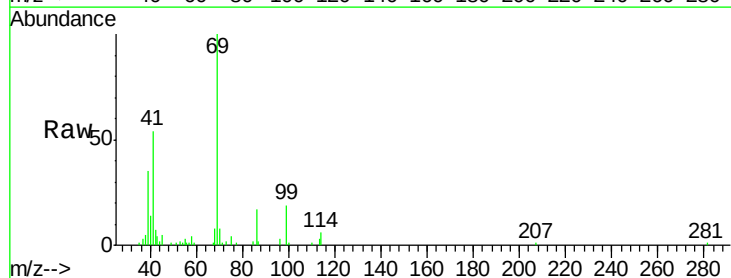
MMDadoda

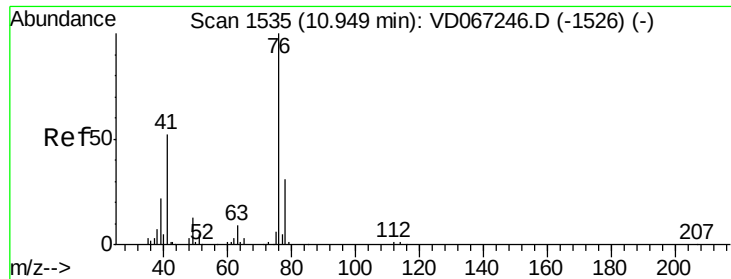
10/26/2020 1:37:42 PM



#56
 Ethyl methacrylate
 Concen: 21.923 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD067374.D
 Acq: 23 Oct 2020 11:36

Tgt Ion	Ratio	Lower	Upper
69	100		
41	56.0	44.7	67.1
39	33.7	26.2	39.2





#57
 1,3-Dichloropropane
 Concen: 21.845 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067374.D
 Acq: 23 Oct 2020 11:36

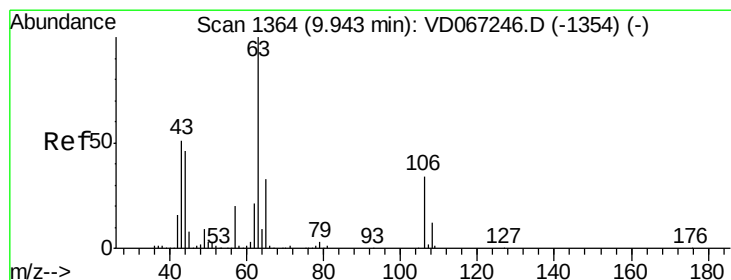
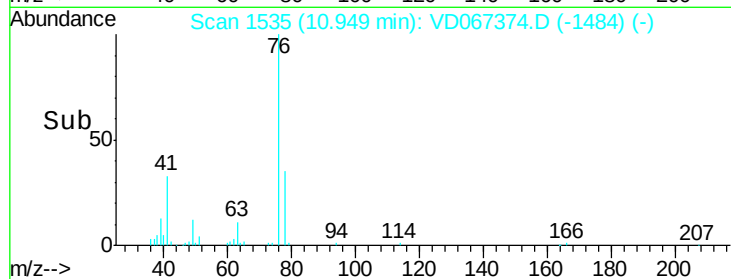
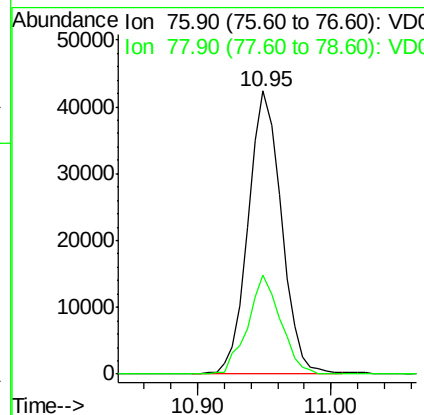
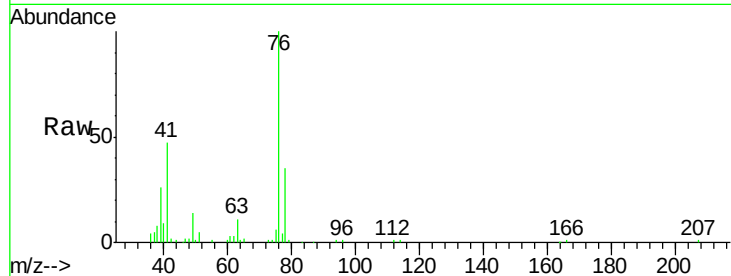
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1023SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	34.4	26.8	40.2

Manual Integrations
 APPROVED

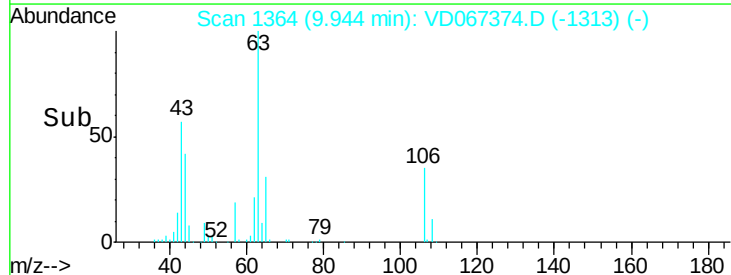
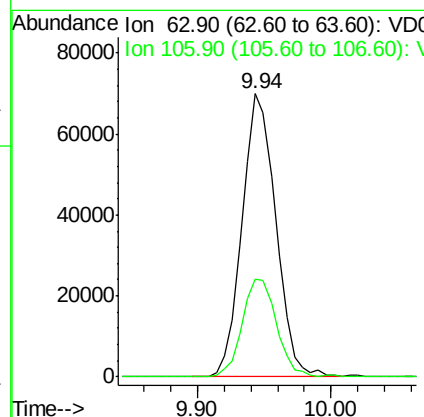
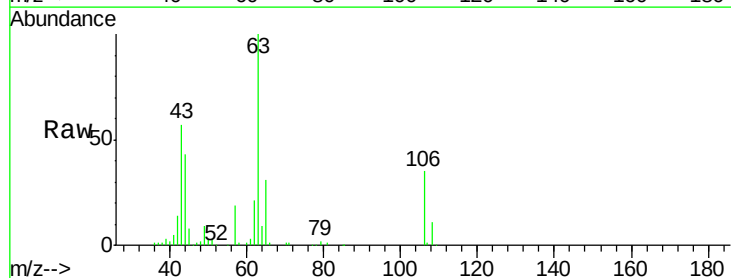
MMDadoda

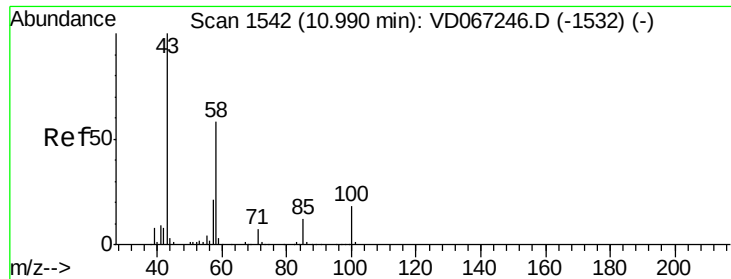
10/26/2020 1:37:42 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.517 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD067374.D
 Acq: 23 Oct 2020 11:36

Tgt Ion	Ratio	Lower	Upper
63	100		
106	35.1	27.8	41.6





#59
2-Hexanone
Concen: 109.995 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

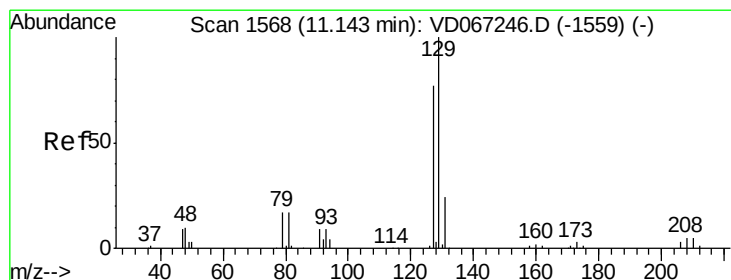
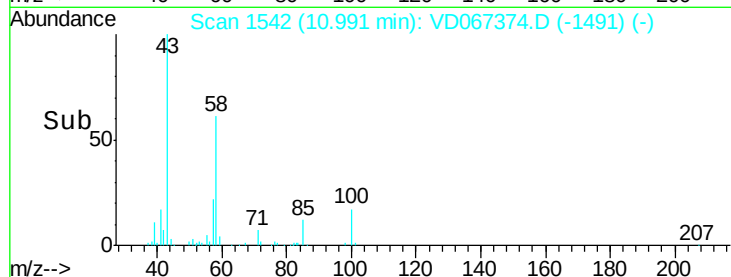
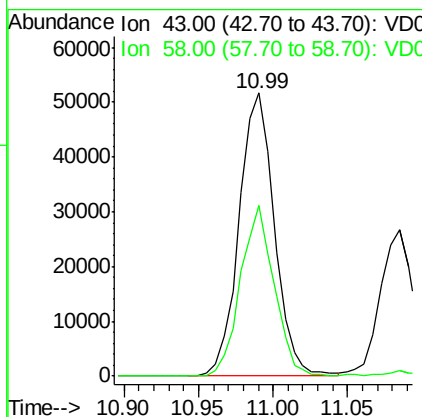
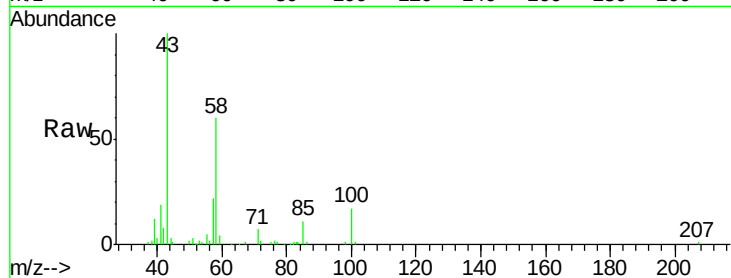
Instrument :
MSVOA_D
ClientSampleId :
VD1023SBSD01

Tot Ion: 43 Resp: 84959
Ion Ratio Lower Upper
43 100
58 57.1 29.3 87.9

Manual Integrations
APPROVED

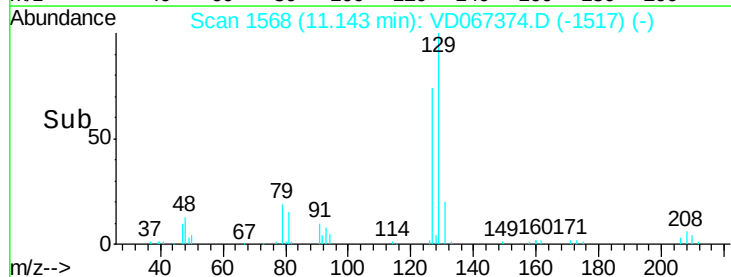
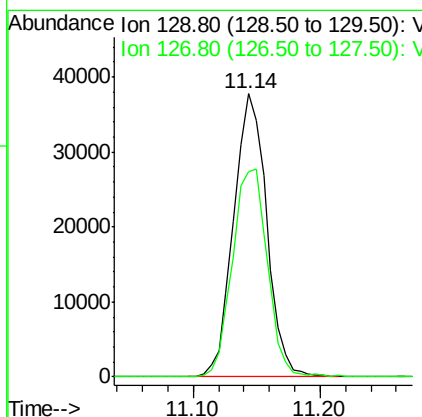
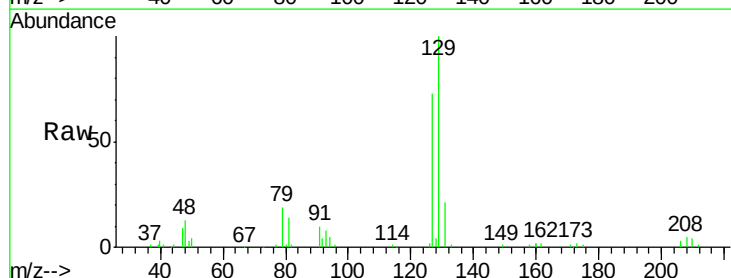
MMDadoda

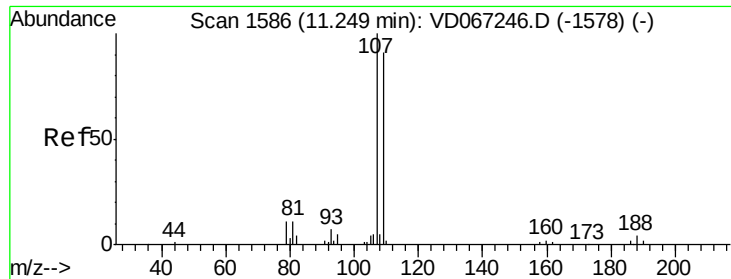
10/26/2020 1:37:42 PM



#60
Dibromochloromethane
Concen: 22.367 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

Tgt Ion: 129 Resp: 68399
Ion Ratio Lower Upper
129 100
127 77.5 38.3 114.8





#61
 1,2-Dibromoethane
 Concen: 22.116 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067374.D
 Acq: 23 Oct 2020 11:36

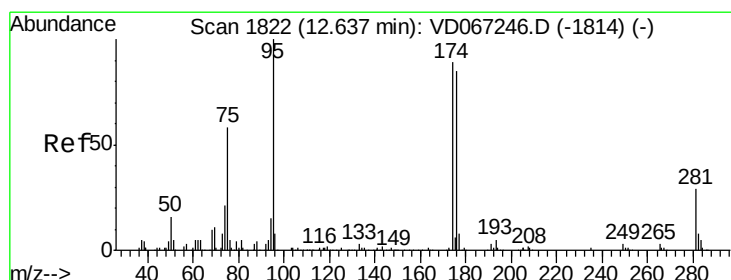
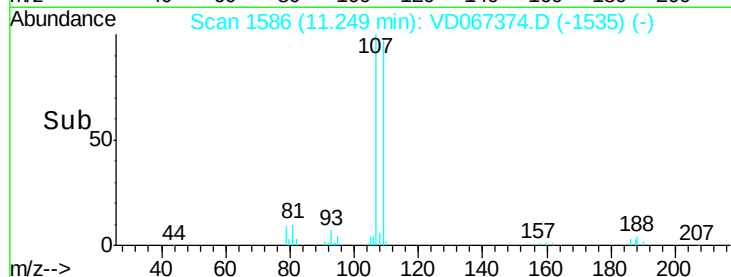
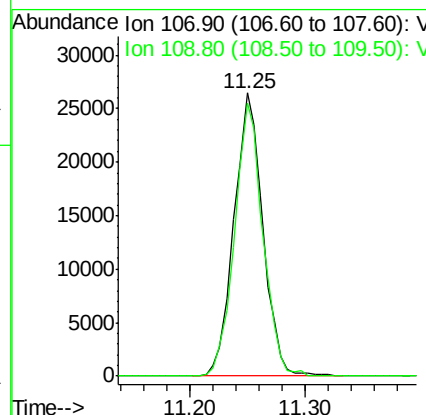
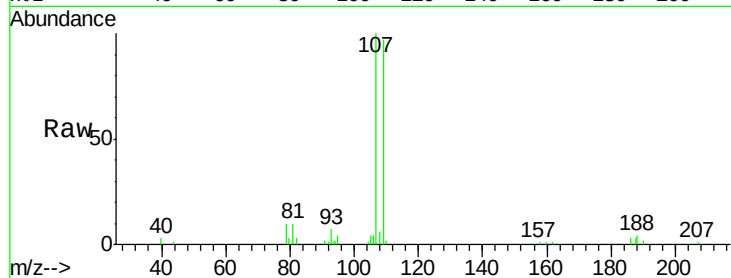
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1023SBSD01

Tot Ion: 107 Resp: 45720
 Ion Ratio Lower Upper
 107 100
 109 94.5 74.6 112.0

Manual Integrations
 APPROVED

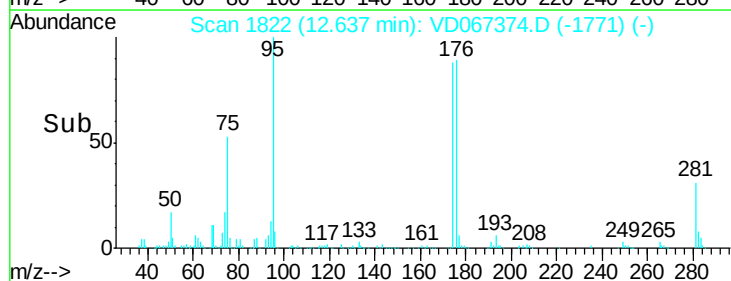
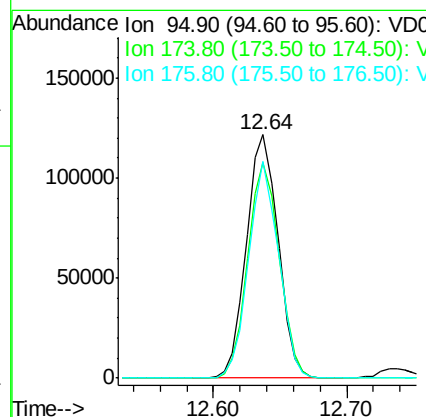
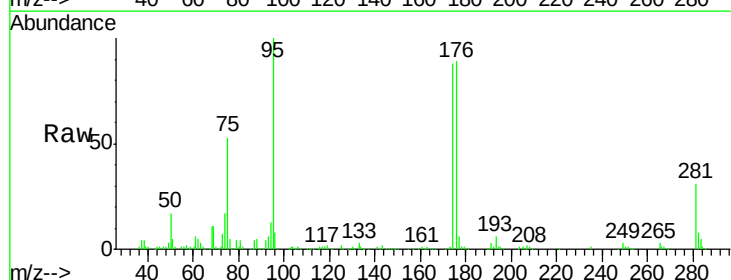
MMDadoda

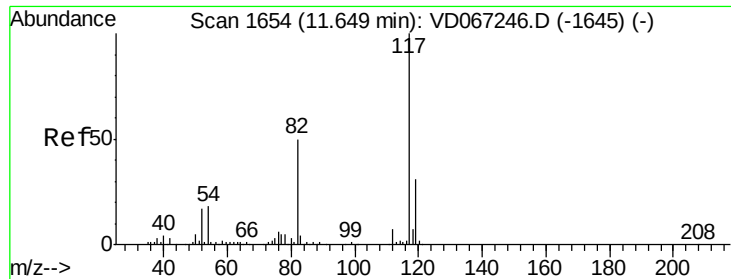
10/26/2020 1:37:42 PM



#62
 4-Bromofluorobenzene
 Concen: 51.984 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067374.D
 Acq: 23 Oct 2020 11:36

Tgt Ion: 95 Resp: 199386
 Ion Ratio Lower Upper
 95 100
 174 87.9 0.0 175.2
 176 84.2 0.0 168.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

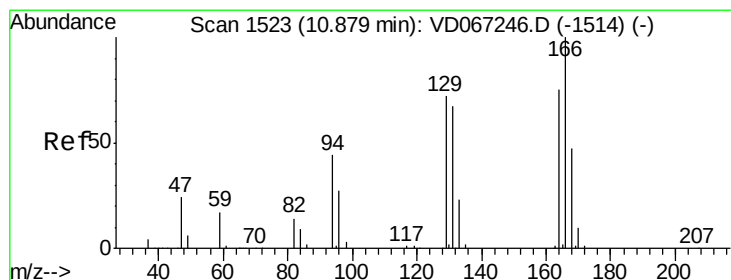
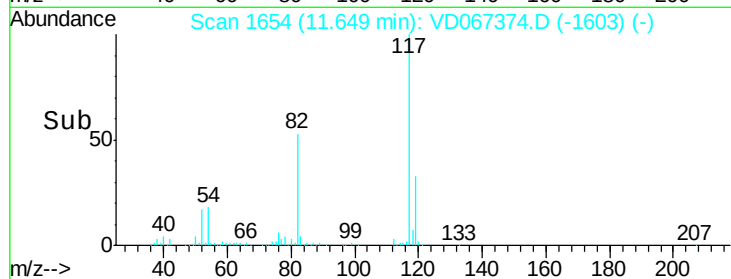
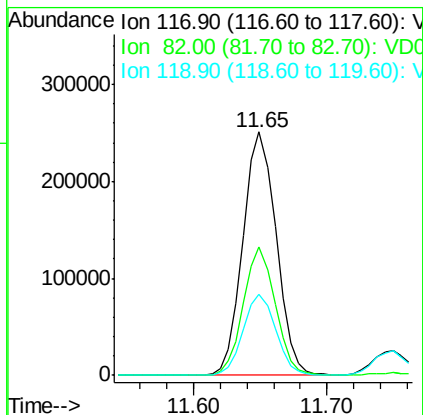
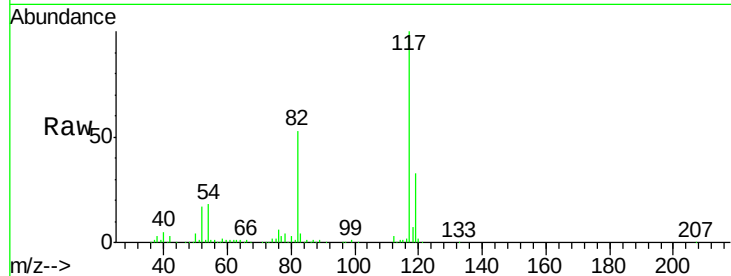
Instrument :
MSVOA_D
ClientSampleId :
VD1023SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	39.9	59.9
119	33.5	24.9	37.3

Manual Integrations
APPROVED

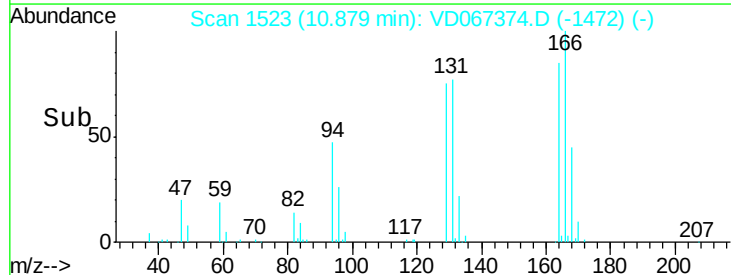
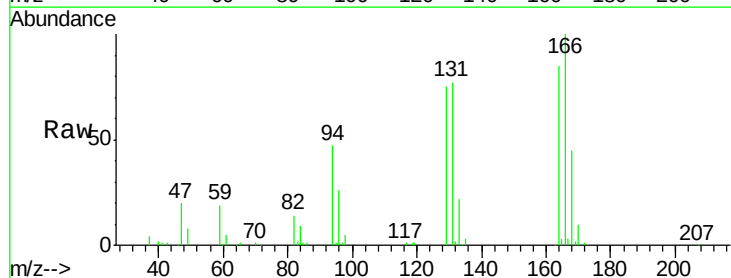
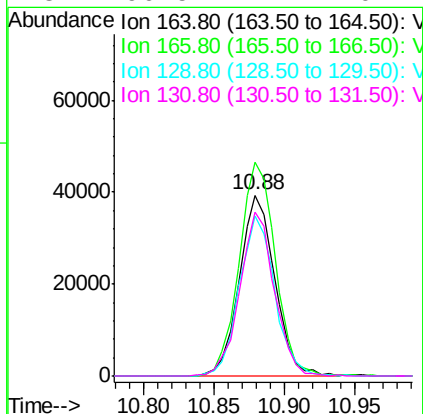
MMDadoda

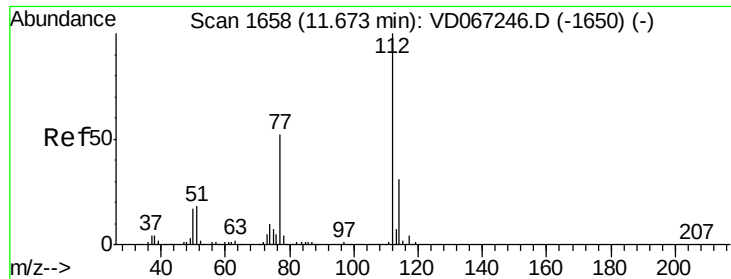
10/26/2020 1:37:42 PM



#64
Tetrachloroethene
Concen: 21.903 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	118.0	107.3	160.9
129	88.2	77.3	115.9
131	90.5	71.4	107.2





#65

Chlorobenzene

Concen: 21.348 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1023SBSD01

Tot Ion:112 Resp: 177850

Ion Ratio Lower Upper

112 100

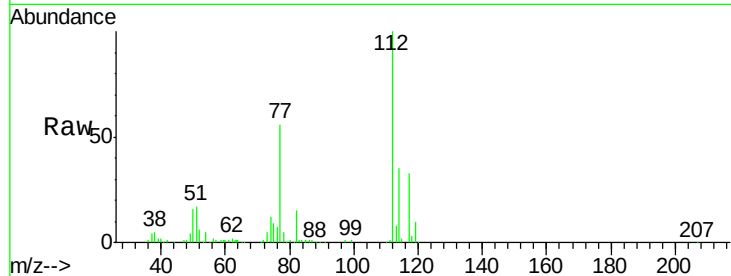
114 34.8 25.0 37.4

Manual Integrations

APPROVED

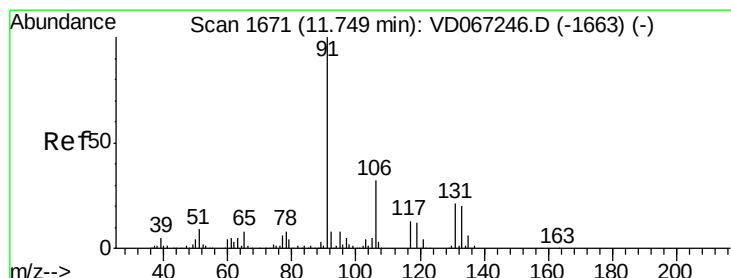
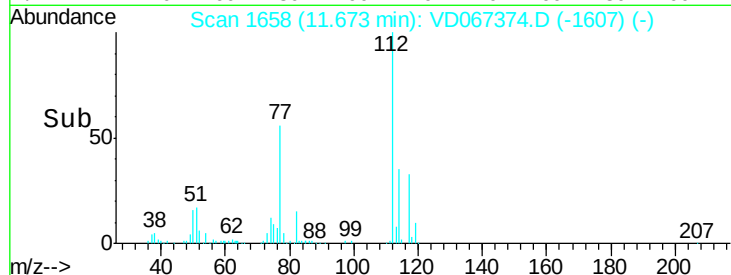
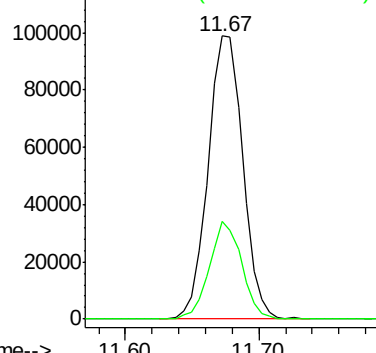
MMDadoda

10/26/2020 1:37:42 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.641 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

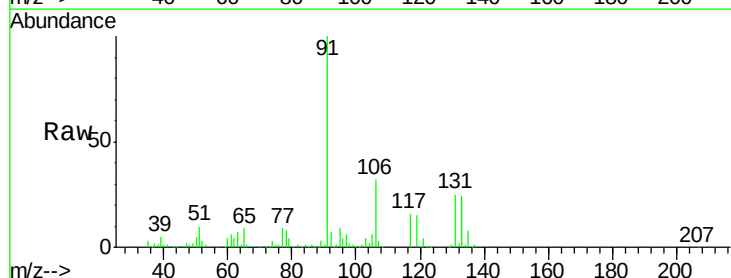
Tgt Ion:131 Resp: 71656

Ion Ratio Lower Upper

131 100

133 96.5 48.1 144.3

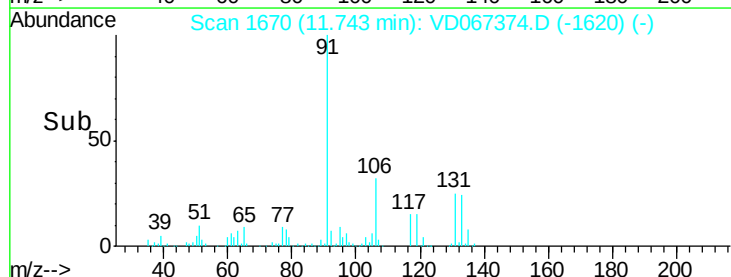
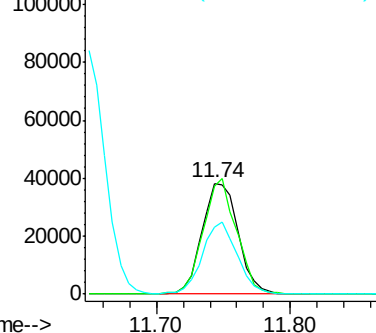
119 62.3 30.0 90.0

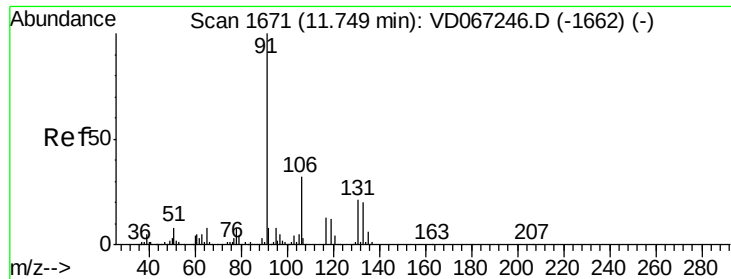


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 21.125 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1023SBSD01

Tot Ion: 91 Resp: 301684

Ion Ratio Lower Upper

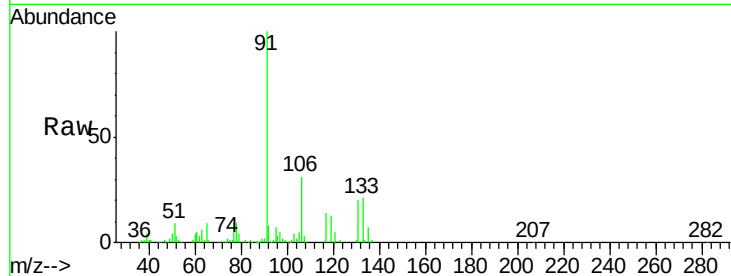
91 100

106 30.9 25.4 38.0

Manual Integrations
APPROVED

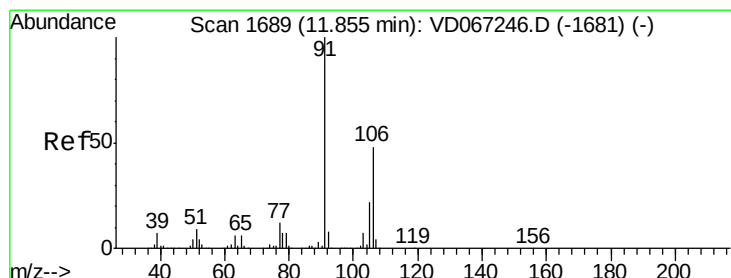
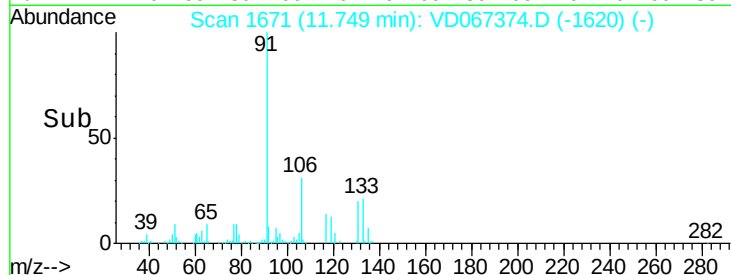
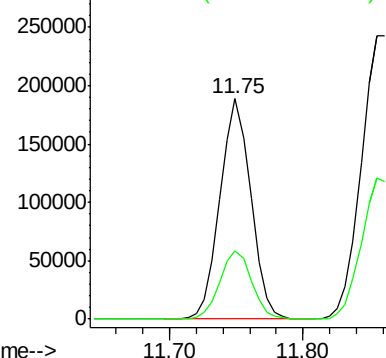
MMDadoda

10/26/2020 1:37:42 PM



Abundance Ion 91.00 (90.70 to 91.70): VD067374.D (-1662) (-)

Ion 106.00 (105.70 to 106.70): VD067374.D (-1662) (-)



#68

m/p-Xylenes

Concen: 42.941 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD067374.D

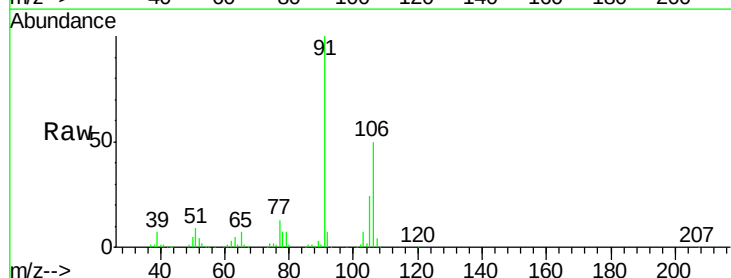
Acq: 23 Oct 2020 11:36

Tgt Ion: 106 Resp: 236147

Ion Ratio Lower Upper

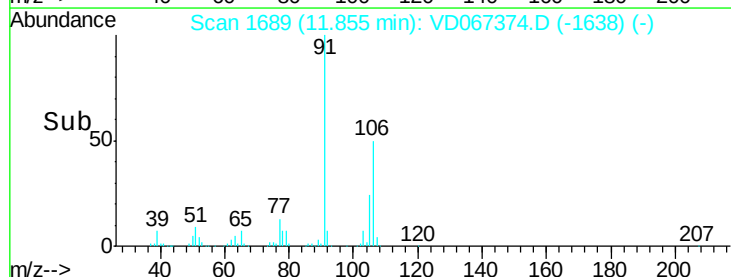
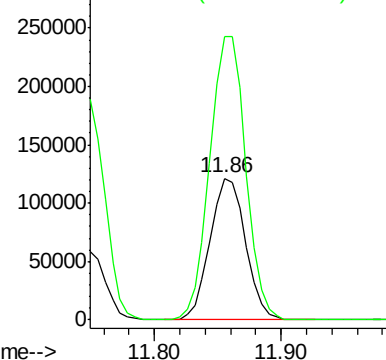
106 100

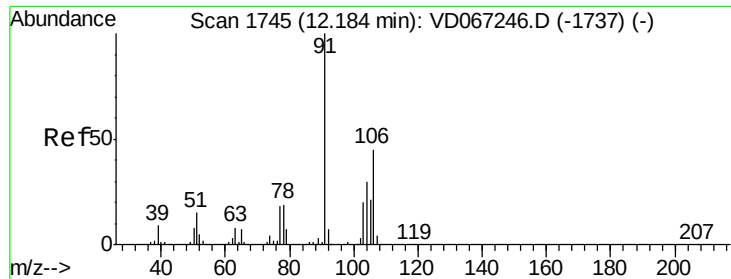
91 202.1 163.8 245.8



Abundance Ion 106.00 (105.70 to 106.70): VD067374.D (-1681) (-)

Ion 91.00 (90.70 to 91.70): VD067374.D (-1681) (-)





#69
o-Xylene
Concen: 21.323 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

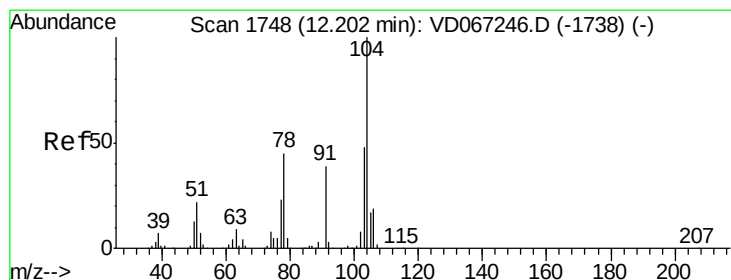
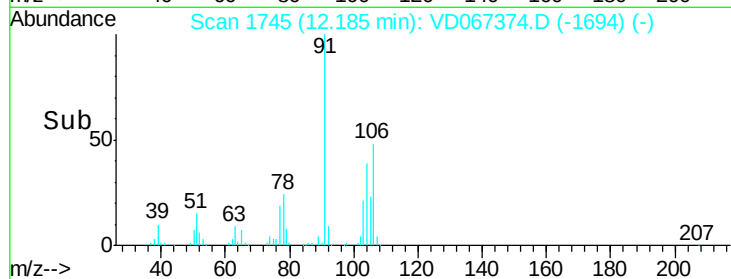
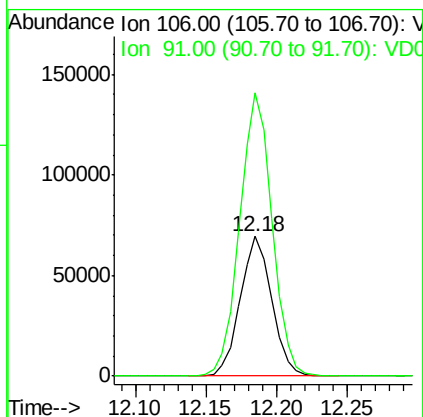
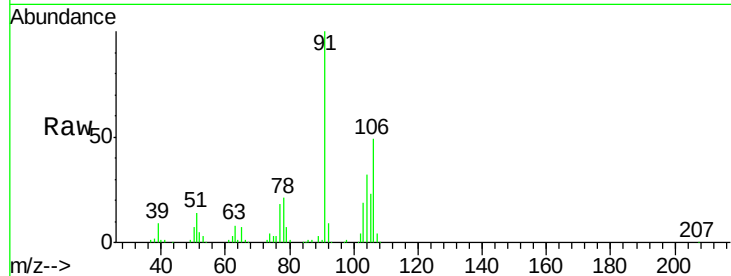
Instrument :
MSVOA_D
ClientSampleId :
VD1023SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		108585		
91	207.9	109.1	327.3		

Manual Integrations
APPROVED

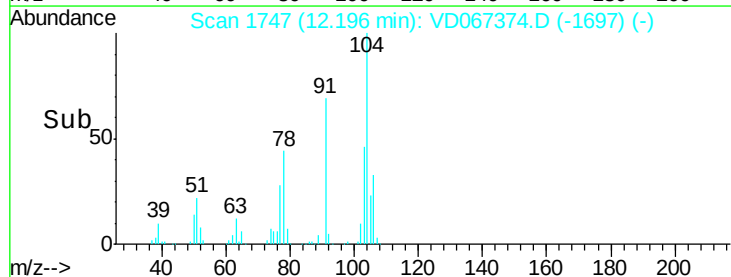
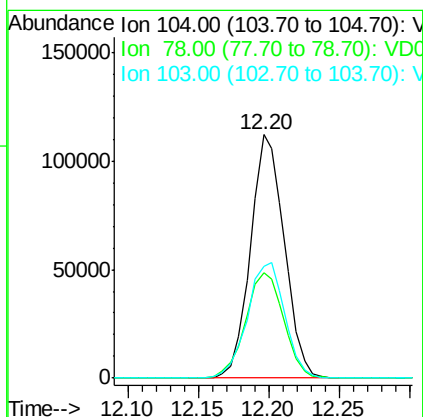
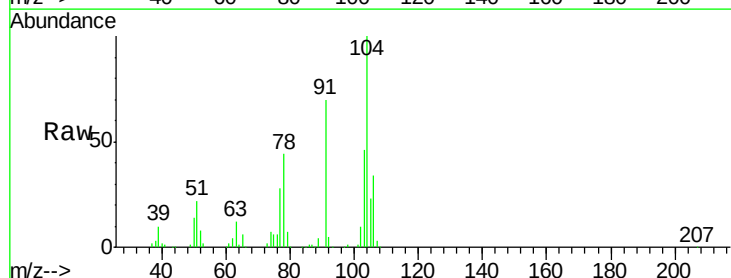
MMDadoda

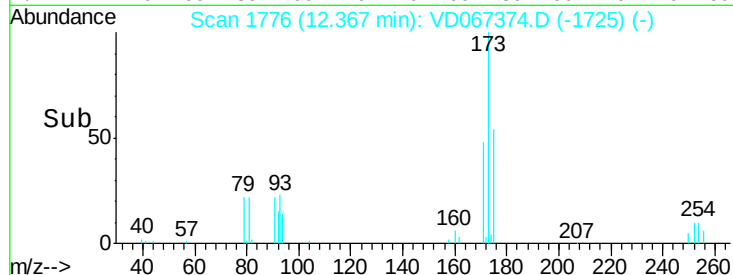
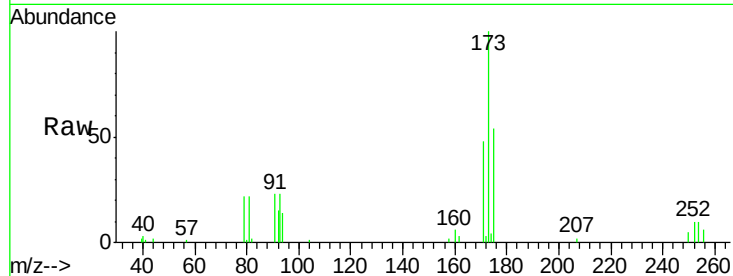
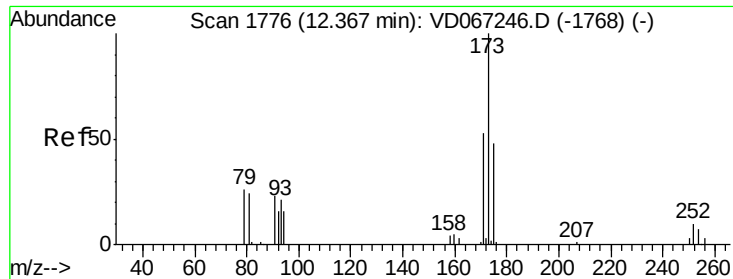
10/26/2020 1:37:42 PM



#70
Styrene
Concen: 21.557 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		188976		
78	48.9	39.8	59.6		
103	52.3	42.6	64.0		





#71
Bromoform
Concen: 21.422 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

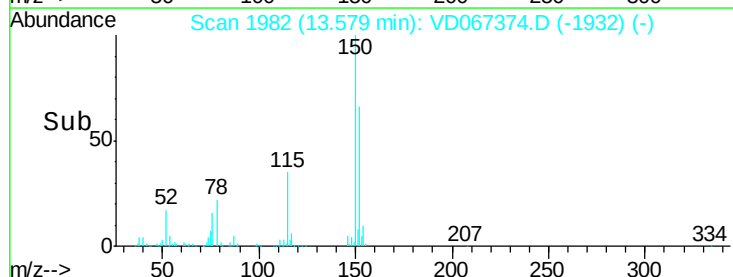
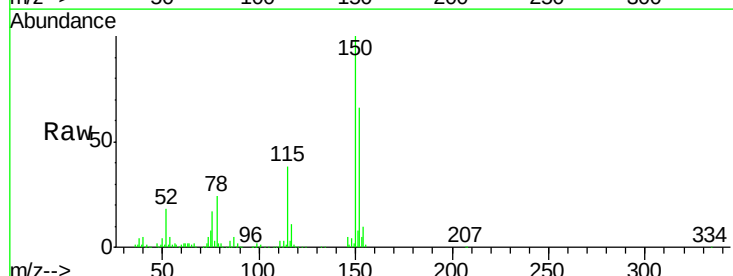
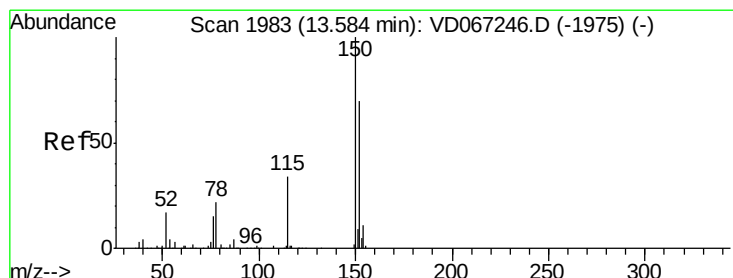
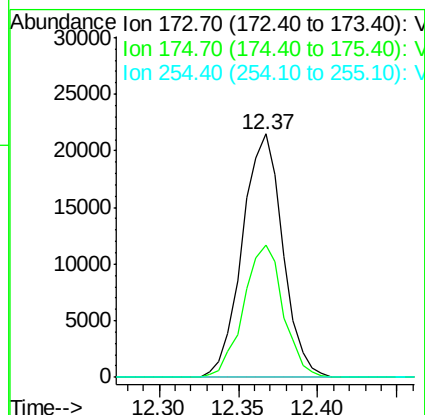
Tot Ion	Ratio	Lower	Upper
173	100		
175	53.2	24.2	72.6
254	0.0	0.1	0.1#

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBSD01

Manual Integrations
APPROVED

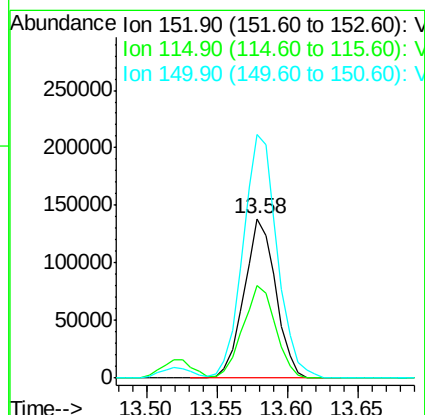
MMDadoda

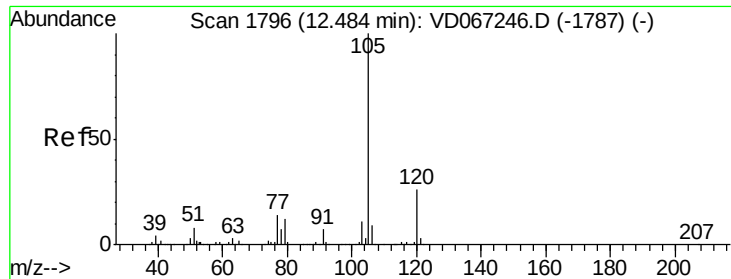
10/26/2020 1:37:42 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.9	29.3	87.9
150	164.6	0.0	339.0





#73

Isopropylbenzene

Concen: 21.837 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1023SBS01

Tot Ion:105 Resp: 301173

Ion Ratio Lower Upper

105 100

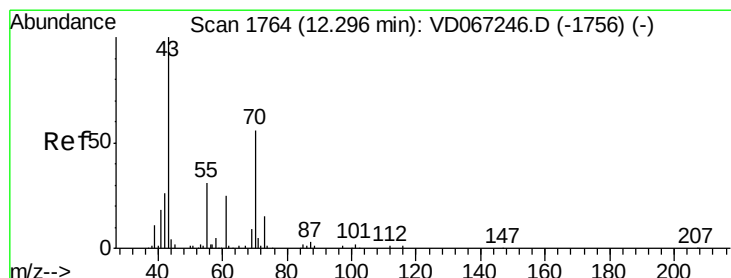
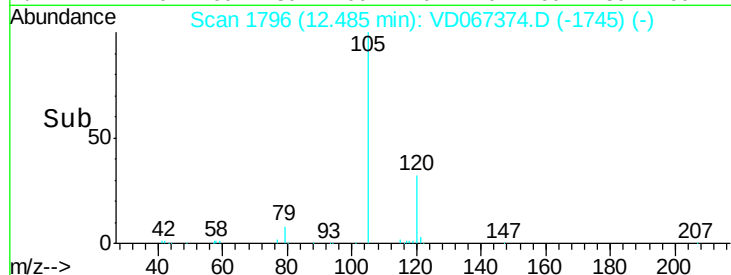
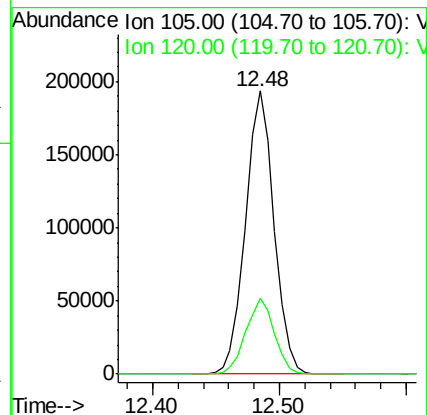
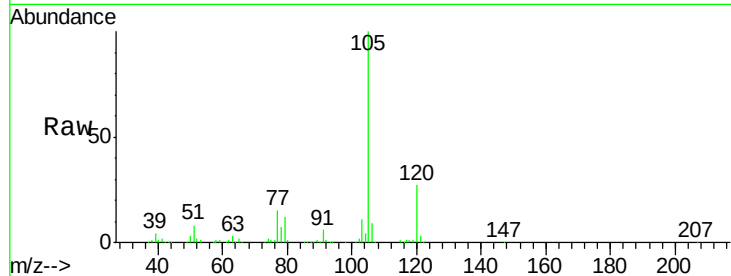
120 26.8 13.3 39.8

Manual Integrations

APPROVED

MMDadoda

10/26/2020 1:37:42 PM



#74

N-ethyl acetate

Concen: 21.400 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

Tgt Ion: 43 Resp: 44577

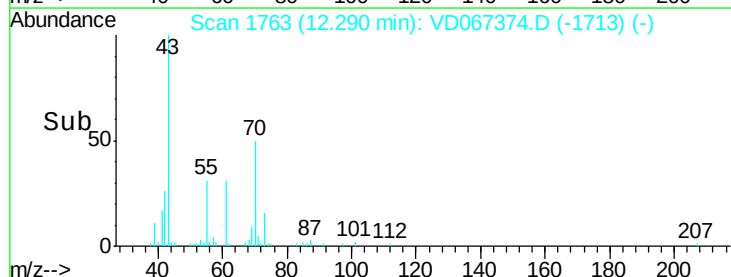
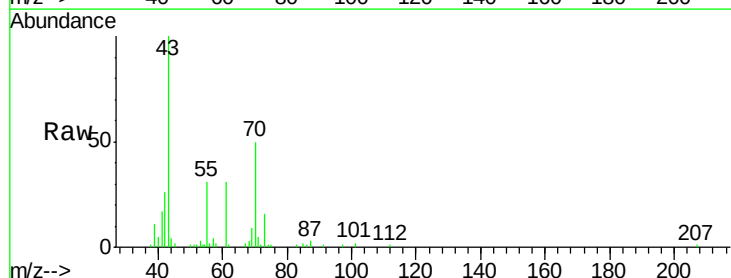
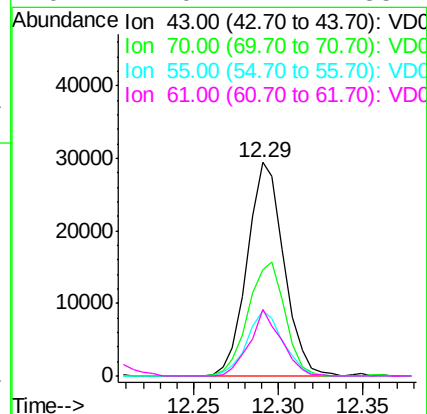
Ion Ratio Lower Upper

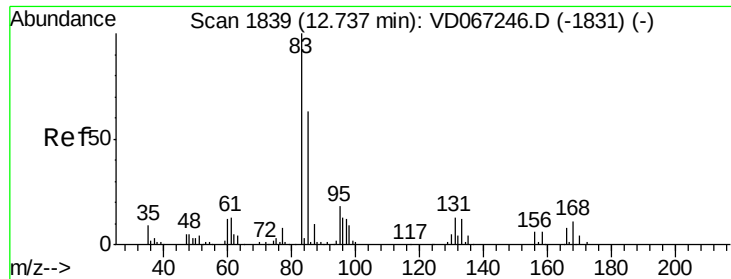
43 100

70 53.5 42.7 64.1

55 30.3 24.0 36.0

61 27.0 22.2 33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.590 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

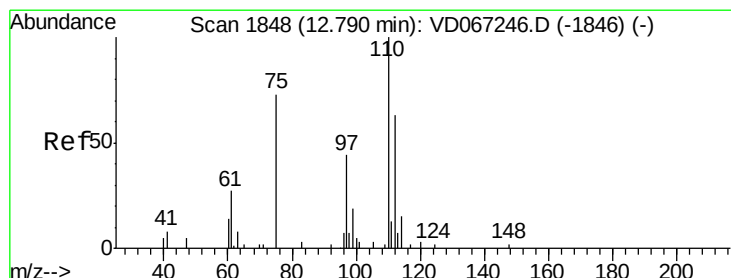
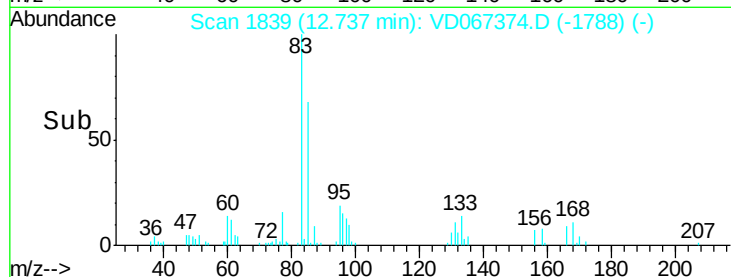
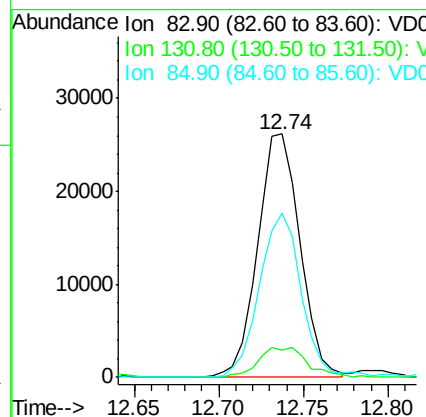
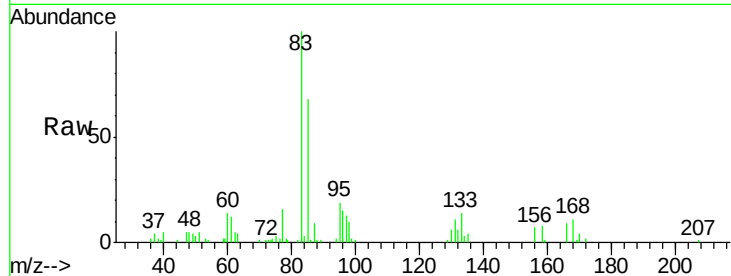
VD1023SBSD01

Tot Ion:	83	Resp:	45624
Ion Ratio	Lower	Upper	
83	100		
131	14.3	6.5	19.5
85	68.1	32.6	97.7

Manual Integrations
APPROVED

MMDadoda

10/26/2020 1:37:42 PM



#76

1,2,3-Trichloropropane

Concen: 19.232 ug/l m

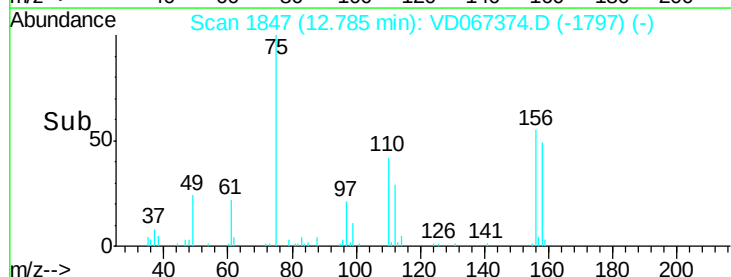
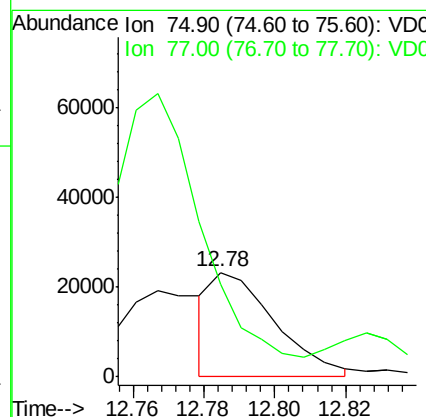
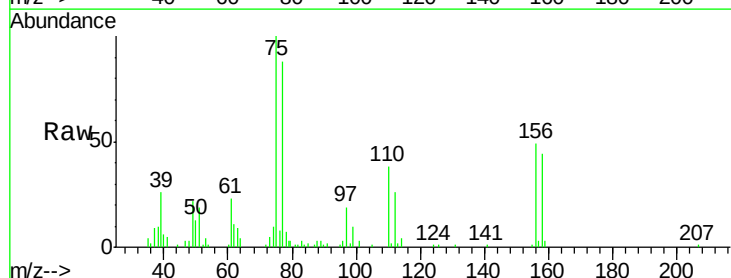
RT: 12.78 min Scan# 1847

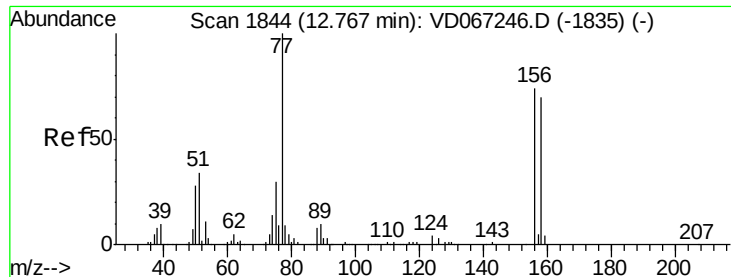
Delta R.T. -0.01 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

Tgt Ion:	75	Resp:	28966
Ion Ratio	Lower	Upper	
75	100		
77	412.7	0.0	0.0#





#77

Bromobenzene

Concen: 21.970 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

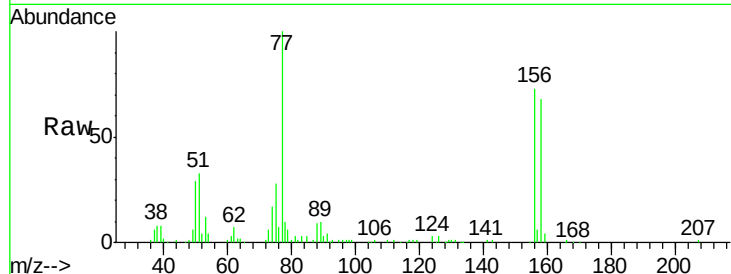
VD1023SBSD01

Tot Ion:	156	Resp:	75544
Ion	Ratio	Lower	Upper
156	100		
77	158.3	78.0	233.8
158	98.2	49.1	147.3

Manual Integrations
APPROVED

MMDadoda

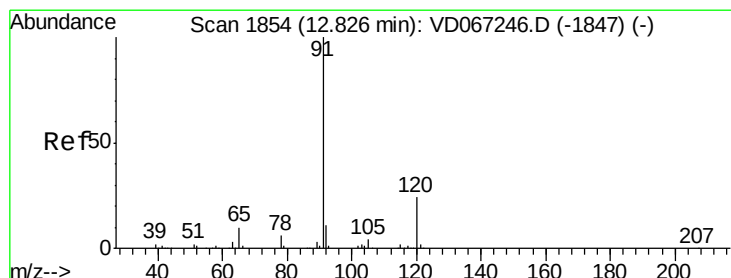
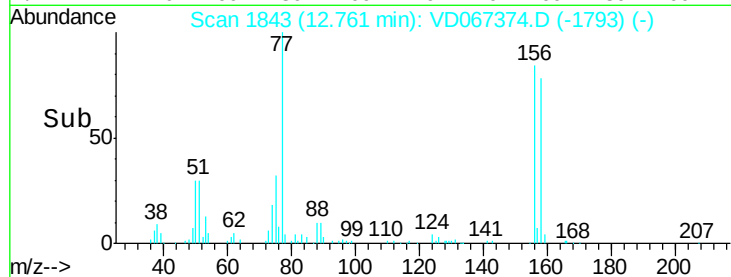
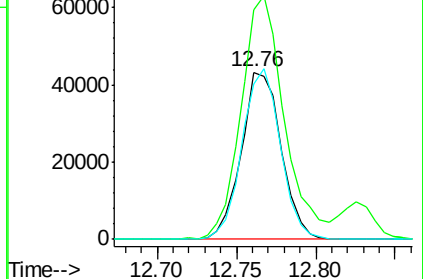
10/26/2020 1:37:42 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.607 ug/l

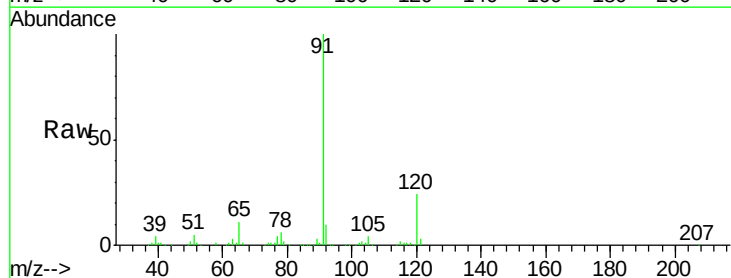
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067374.D

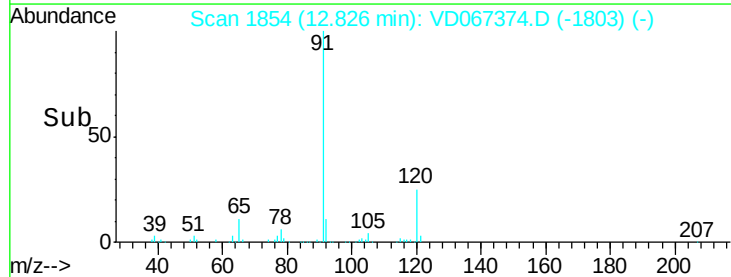
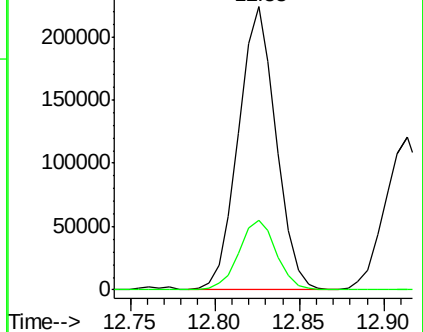
Acq: 23 Oct 2020 11:36

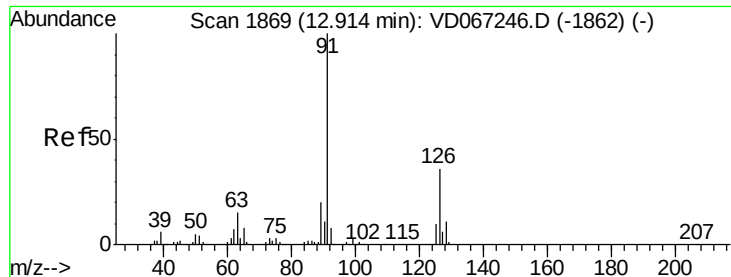
Tgt Ion:	91	Resp:	345266
Ion	Ratio	Lower	Upper
91	100		
120	24.6	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.516 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1023SBSD01

Tot Ion: 91 Resp: 199391

Ion Ratio Lower Upper

91 100

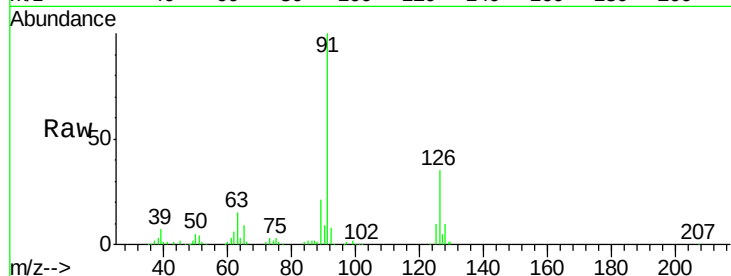
126 36.1 17.6 52.8

Manual Integrations

APPROVED

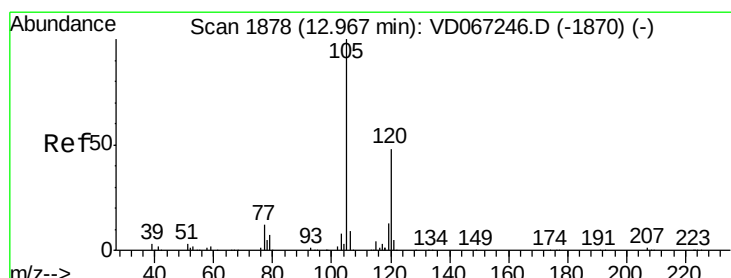
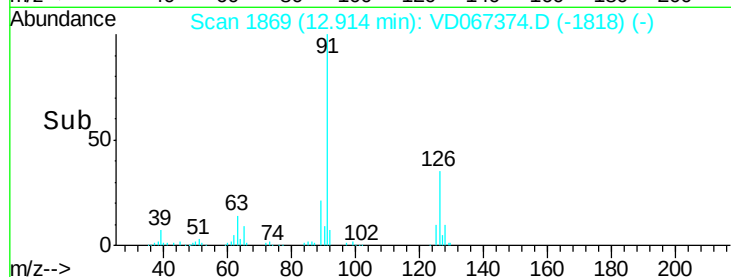
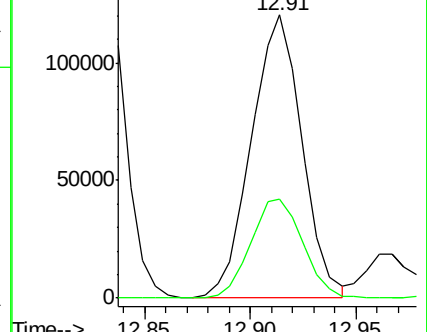
MMDadoda

10/26/2020 1:37:42 PM



Abundance Ion 91.00 (90.70 to 91.70): VD067374.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD067374.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.715 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067374.D

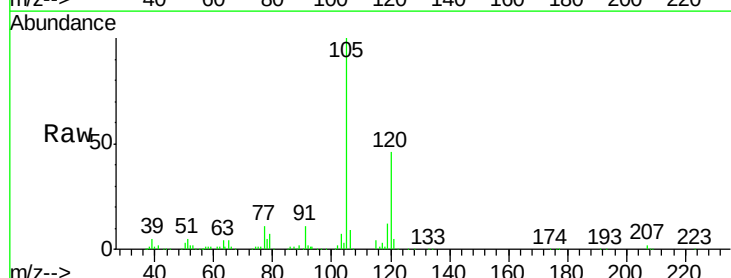
Acq: 23 Oct 2020 11:36

Tgt Ion: 105 Resp: 260258

Ion Ratio Lower Upper

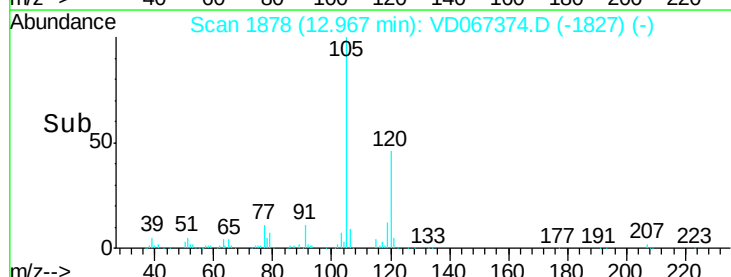
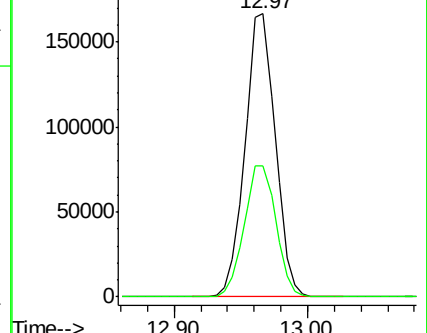
105 100

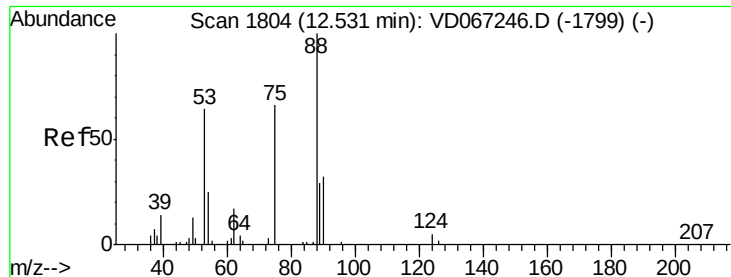
120 48.7 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VD067374.D (-1870) (-)

Ion 120.00 (119.70 to 120.70): VD067374.D (-1870) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 21.952 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1023SBSD01

Tot Ion: 75 Resp: 14580

Ion Ratio Lower Upper

75 100

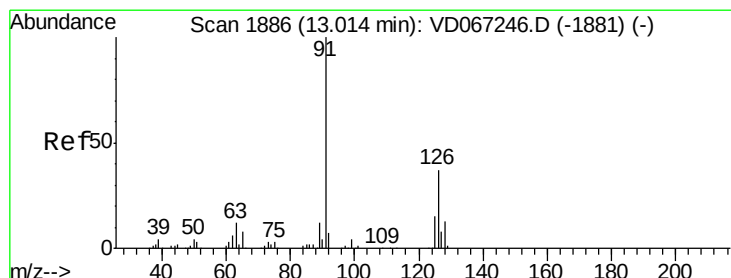
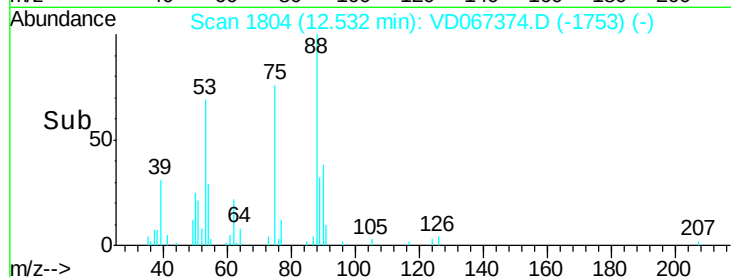
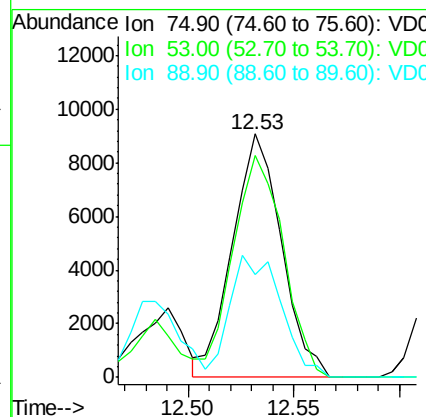
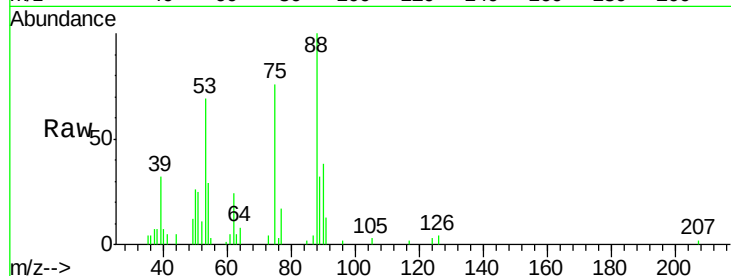
53 93.1 78.5 117.7

89 51.9 39.9 59.9

Manual Integrations
APPROVED

MMDadoda

10/26/2020 1:37:42 PM



#82

4-Chlorotoluene

Concen: 22.065 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD067374.D

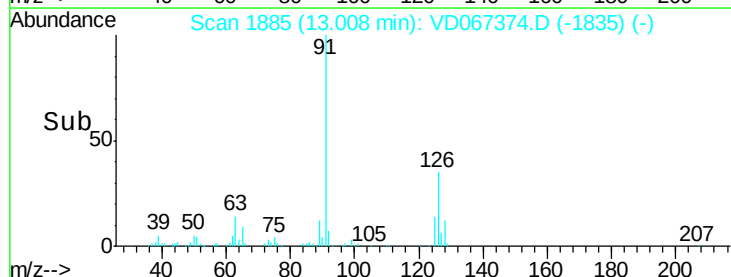
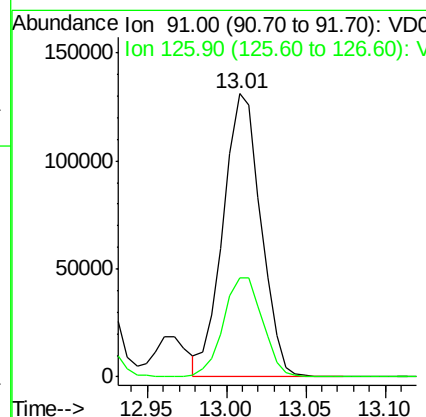
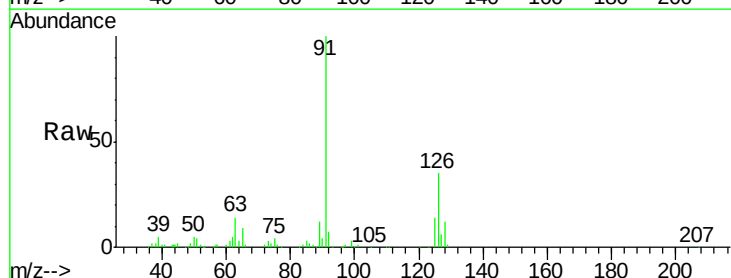
Acq: 23 Oct 2020 11:36

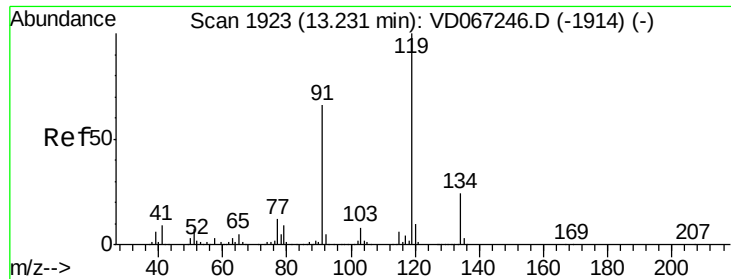
Tgt Ion: 91 Resp: 217017

Ion Ratio Lower Upper

91 100

126 36.1 17.8 53.5





#83
tert-Butylbenzene
Concen: 22.053 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.01 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

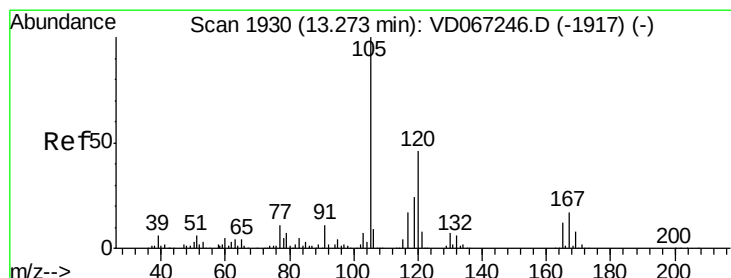
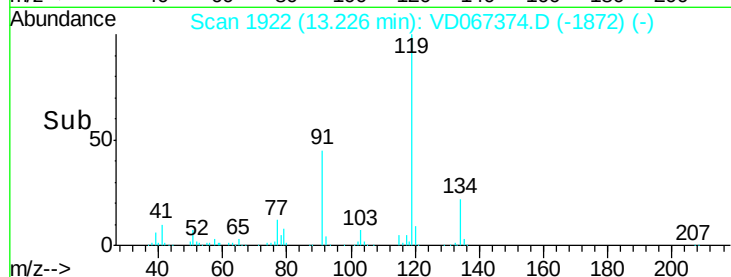
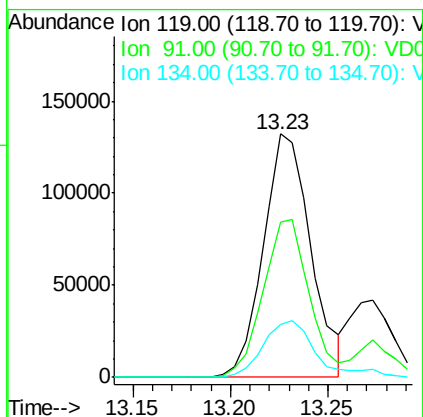
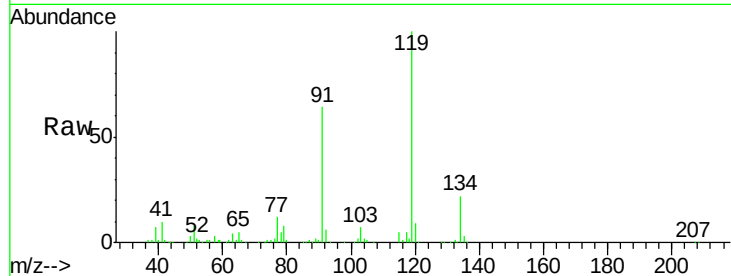
Instrument :
MSVOA_D
ClientSampleId :
VD1023SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	223266		
91	62.7		33.1	99.2
134	26.0		13.3	39.9

Manual Integrations
APPROVED

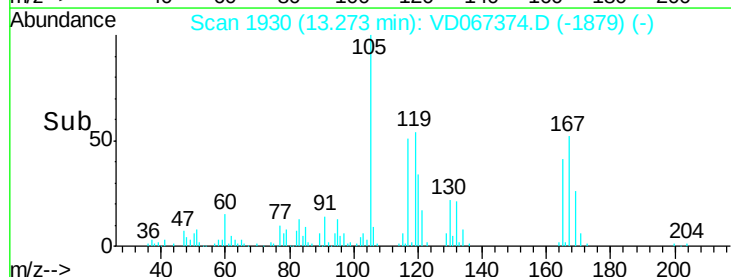
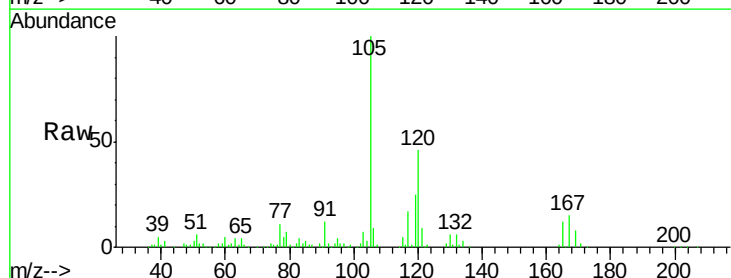
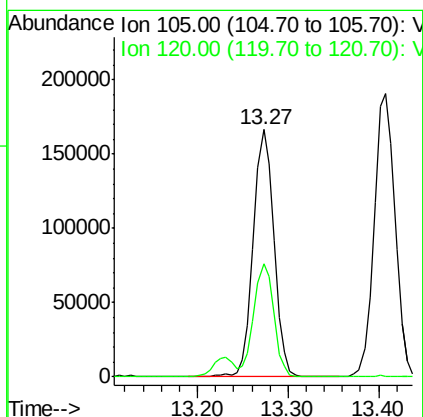
MMDadoda

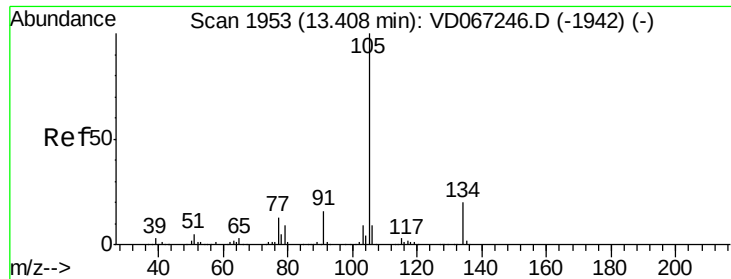
10/26/2020 1:37:42 PM



#84
1,2,4-Trimethylbenzene
Concen: 22.295 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	264102		
120	44.5		22.4	67.3





#85

sec-Butylbenzene

Concen: 21.916 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1023SBS01

Tot Ion:105 Resp: 304453

Ion Ratio Lower Upper

105 100

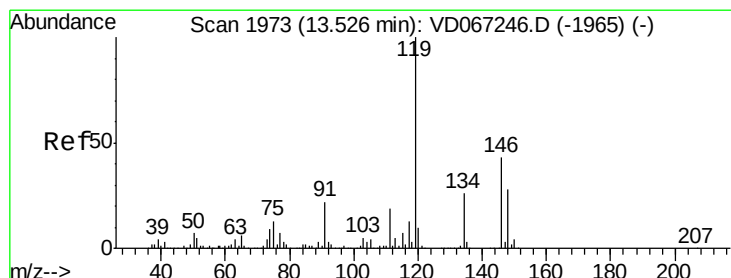
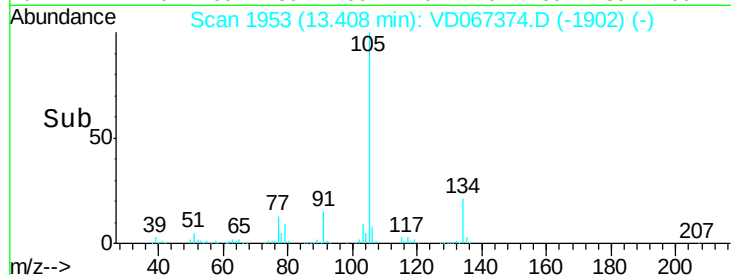
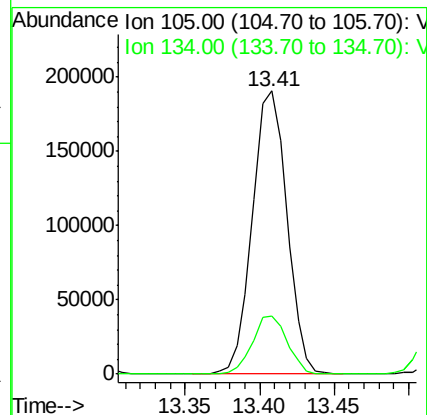
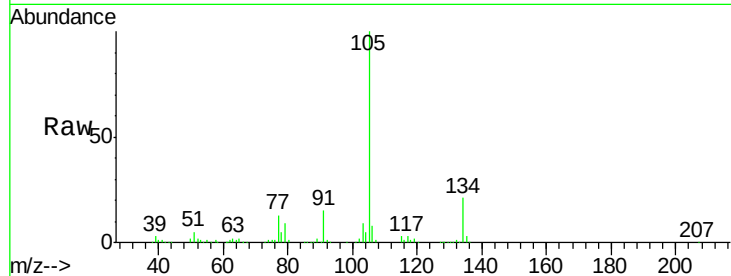
134 20.9 10.5 31.5

Manual Integrations

APPROVED

MMDadoda

10/26/2020 1:37:42 PM



#86

p-Isopropyltoluene

Concen: 22.075 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

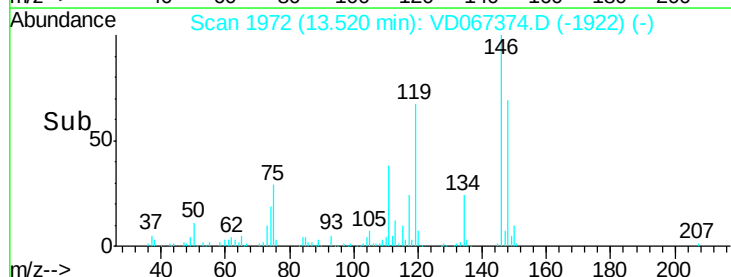
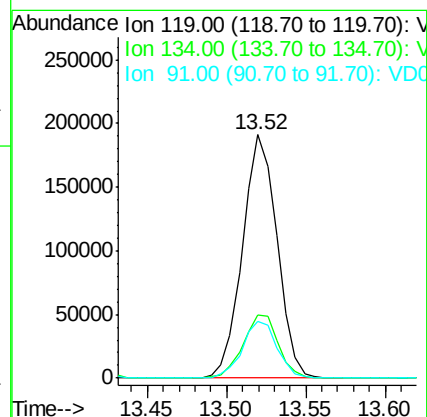
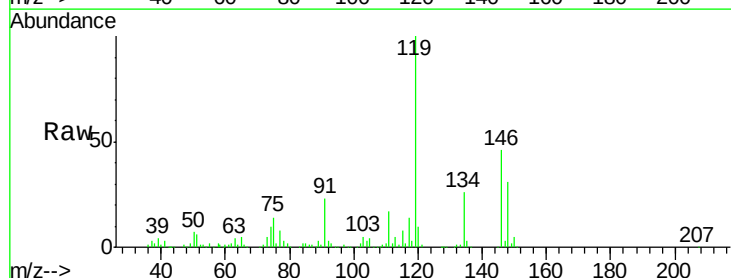
Tgt Ion:119 Resp: 289445

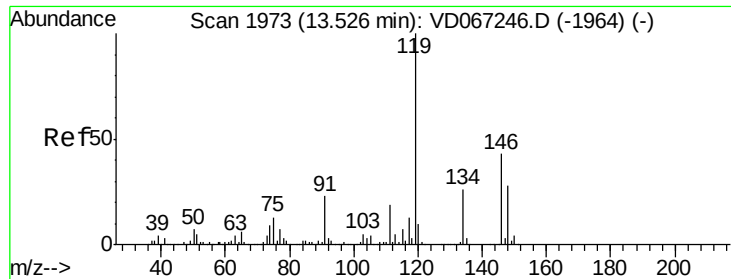
Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.3

91 23.6 11.9 35.9





#87
 1,3-Dichlorobenzene
 Concen: 21.861 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067374.D
 Acq: 23 Oct 2020 11:36

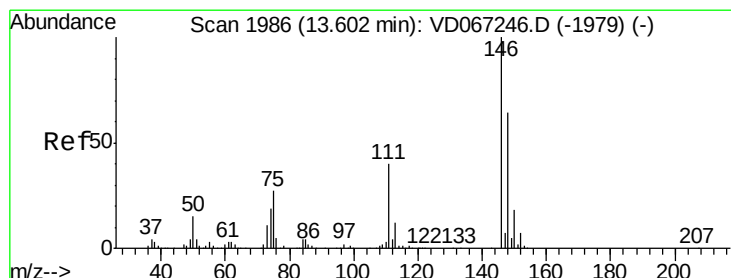
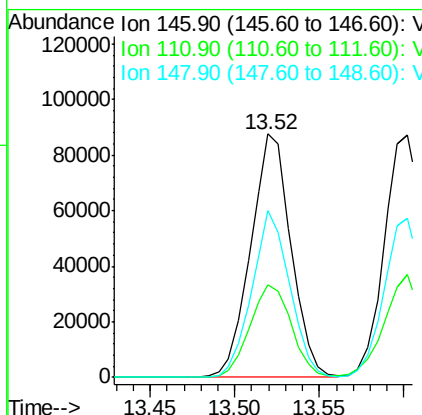
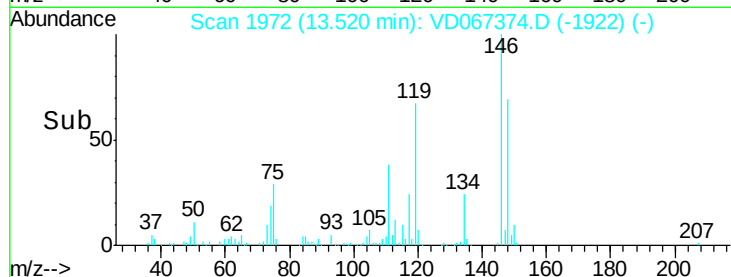
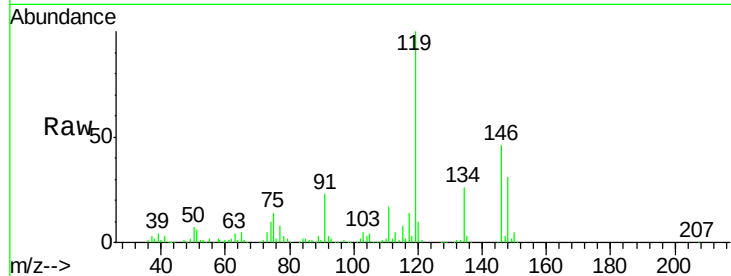
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1023SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	144684		
111	39.3	21.1	63.3	
148	64.5	31.9	95.9	

Manual Integrations
 APPROVED

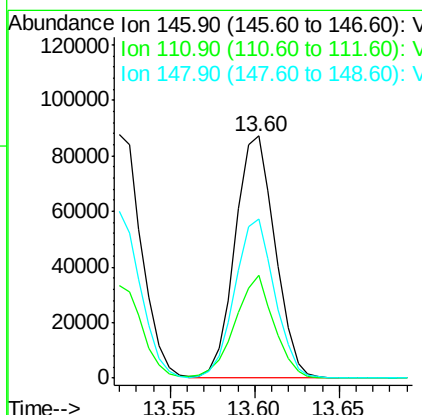
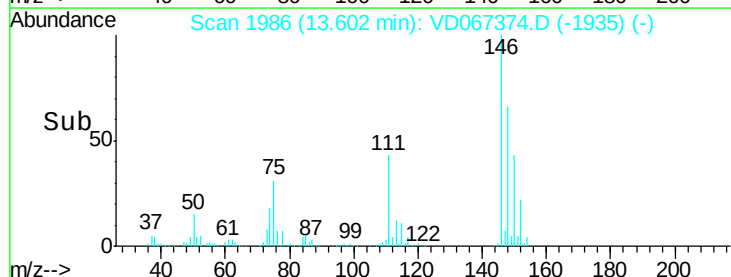
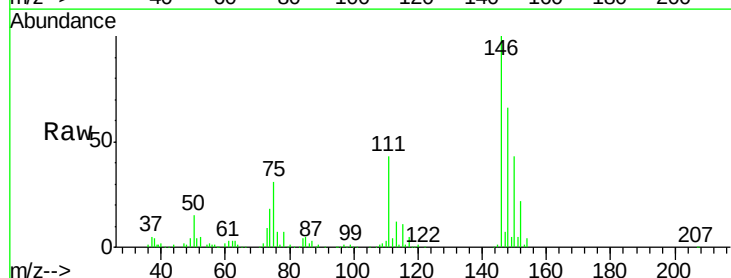
MMDadoda

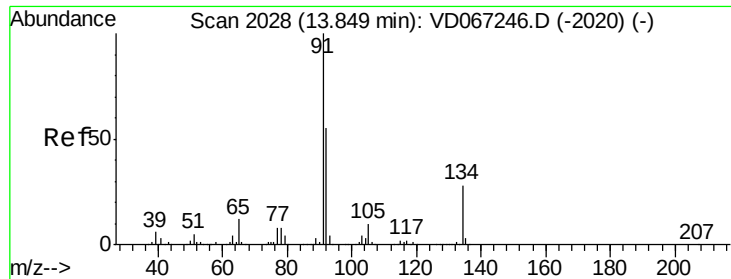
10/26/2020 1:37:42 PM



#88
 1,4-Dichlorobenzene
 Concen: 21.934 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067374.D
 Acq: 23 Oct 2020 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	143825		
111	41.5	19.9	59.7	
148	65.4	31.9	95.9	





#89
n-Butylbenzene
Concen: 21.396 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

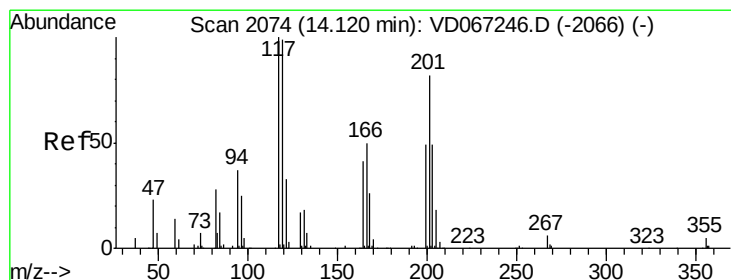
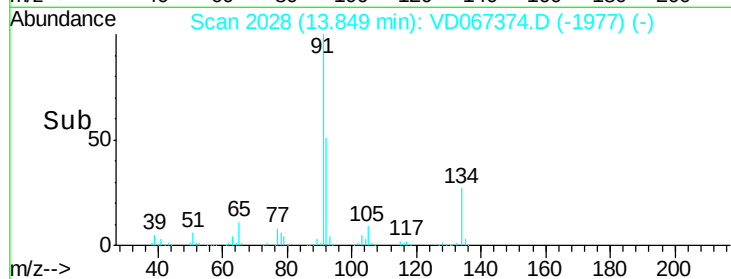
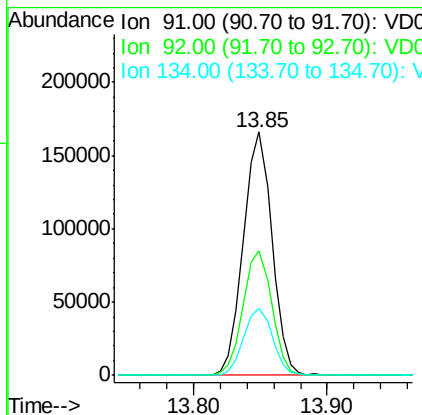
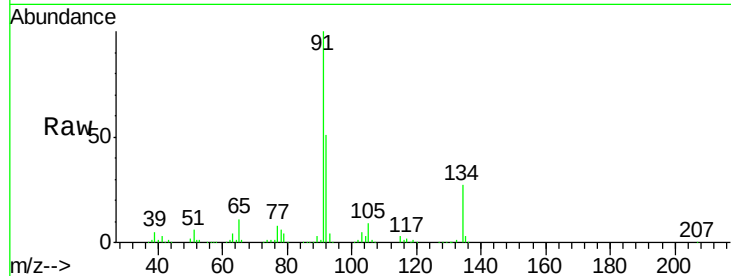
Instrument :
MSVOA_D
ClientSampleId :
VD1023SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	246805		
92	51.2		26.7	80.0
134	27.6		14.2	42.6

Manual Integrations
APPROVED

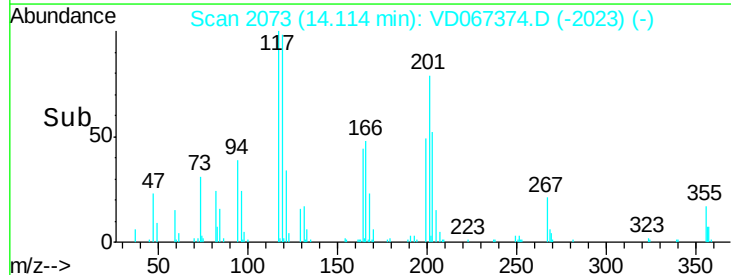
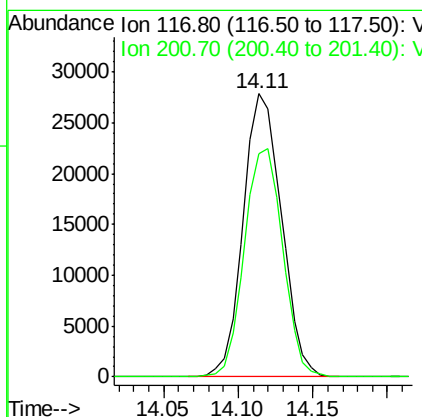
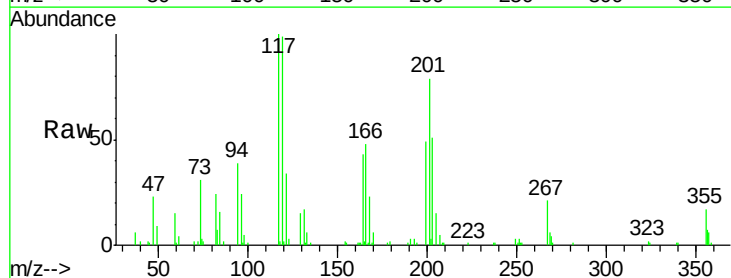
MMDadoda

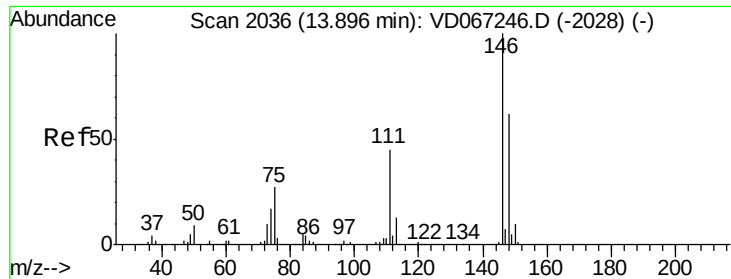
10/26/2020 1:37:42 PM



#90
Hexachloroethane
Concen: 21.619 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD067374.D
Acq: 23 Oct 2020 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	49466		
201	80.4		40.8	122.2





#91
 1,2-Dichlorobenzene
 Concen: 21.850 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067374.D
 Acq: 23 Oct 2020 11:36

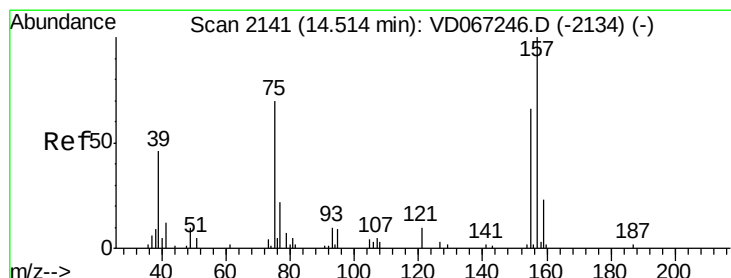
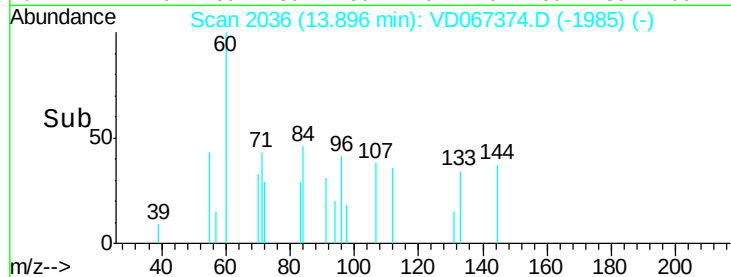
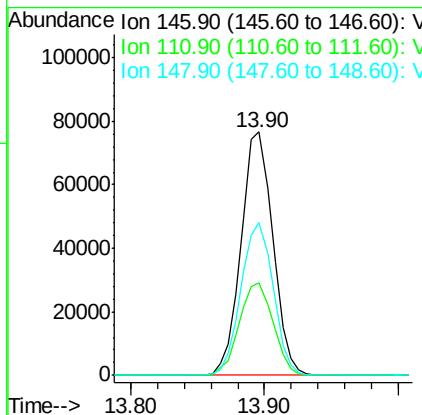
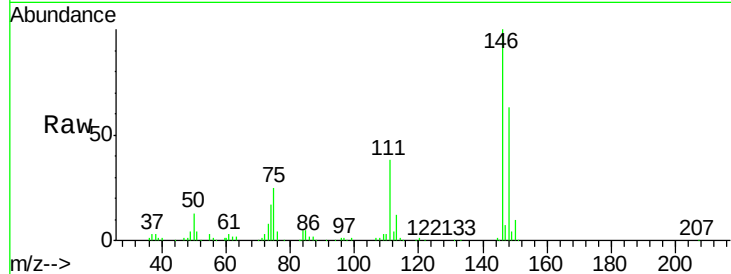
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1023SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	22.0	66.0
148	63.6	32.5	97.5

Manual Integrations
 APPROVED

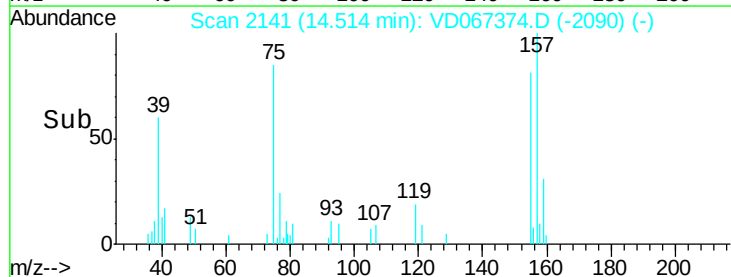
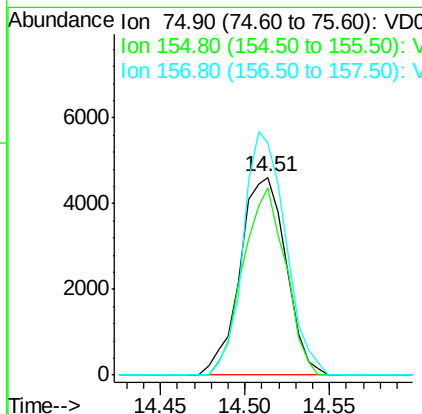
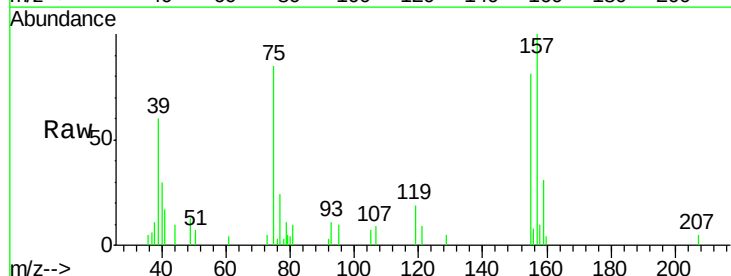
MMDadoda

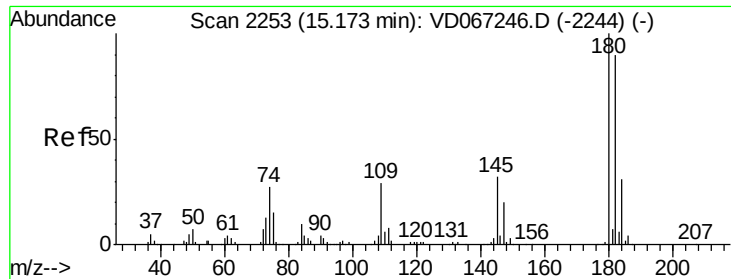
10/26/2020 1:37:42 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.698 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067374.D
 Acq: 23 Oct 2020 11:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.5	44.8	134.4
157	113.3	62.5	187.4





#93
 1,2,4-Trichlorobenzene
 Concen: 21.994 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067374.D
 Acq: 23 Oct 2020 11:36

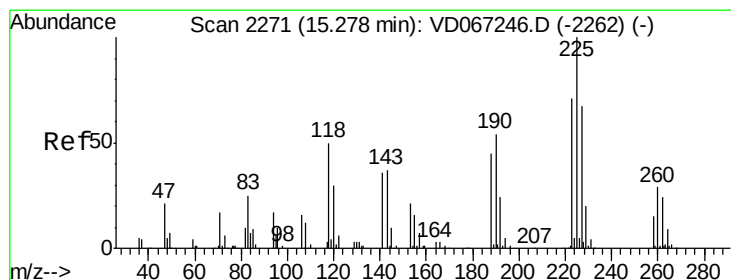
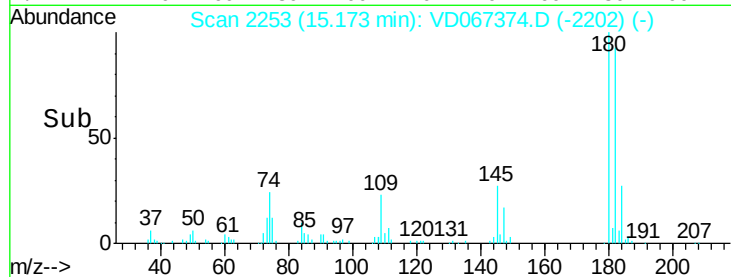
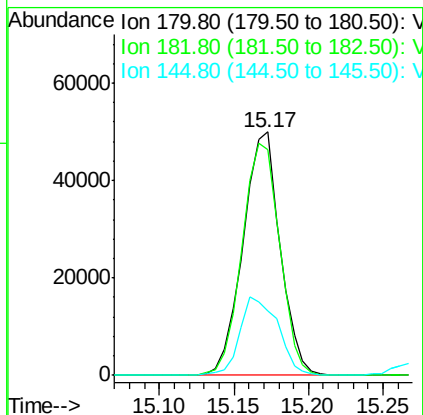
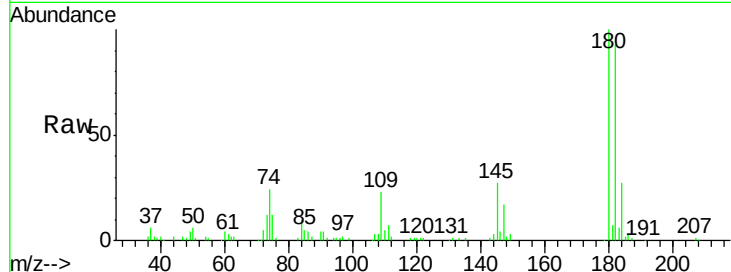
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1023SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	48.1	144.4
145	33.3	16.3	48.9

Manual Integrations
 APPROVED

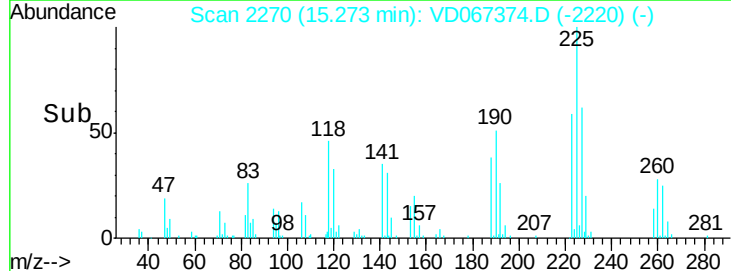
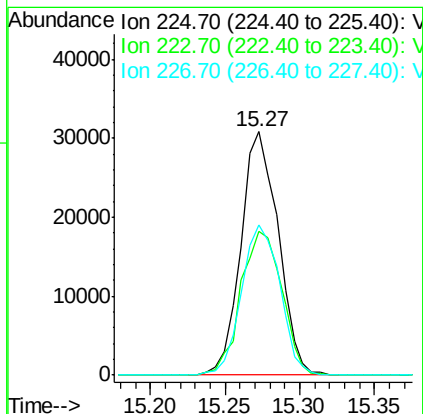
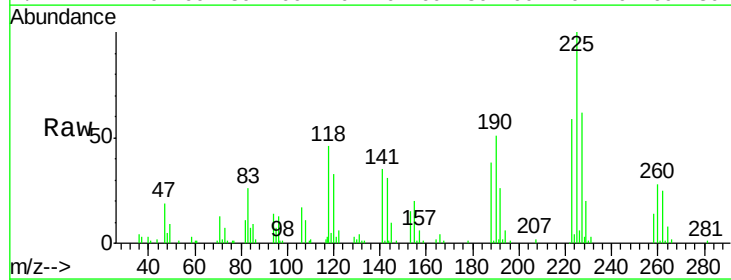
MMDadoda

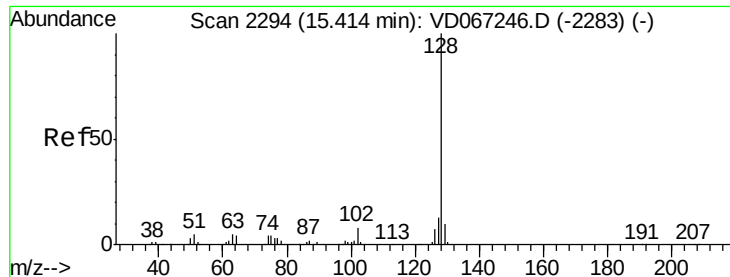
10/26/2020 1:37:42 PM



#94
 Hexachlorobutadiene
 Concen: 22.035 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VD067374.D
 Acq: 23 Oct 2020 11:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.9	31.9	95.7
227	63.7	31.2	93.6





#95

Naphthalene

Concen: 21.715 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

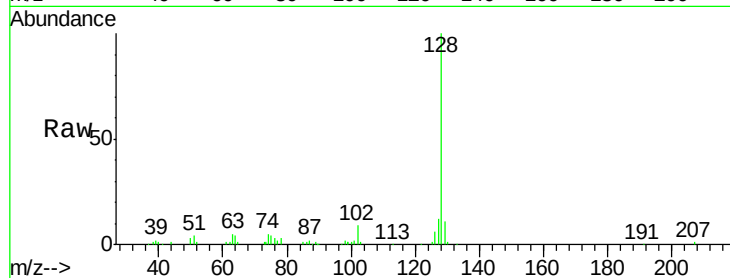
VD1023SBSD01

Tot Ion:	128	Resp:	138976
Ion Ratio		Lower	Upper
128	100		
127	12.5	10.4	15.6
129	10.3	8.6	12.8

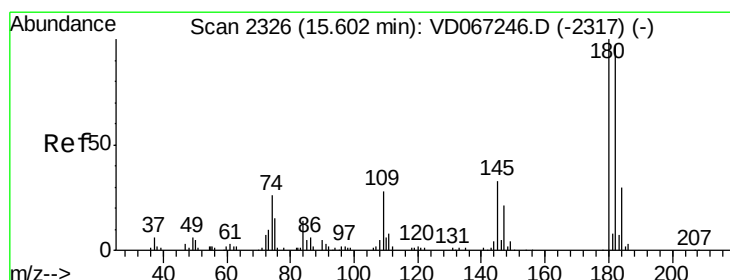
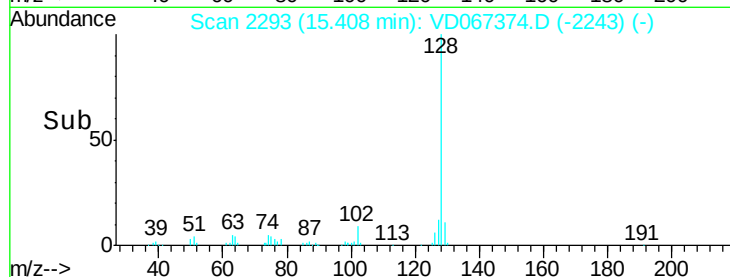
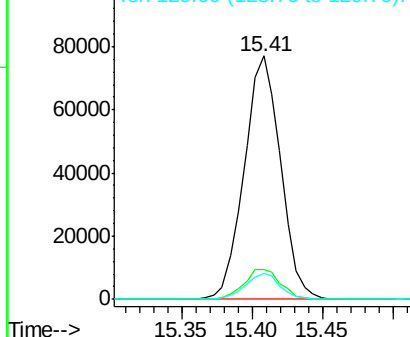
Manual Integrations
APPROVED

MMDadoda

10/26/2020 1:37:42 PM



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



#96

1,2,3-Trichlorobenzene

Concen: 22.472 ug/l

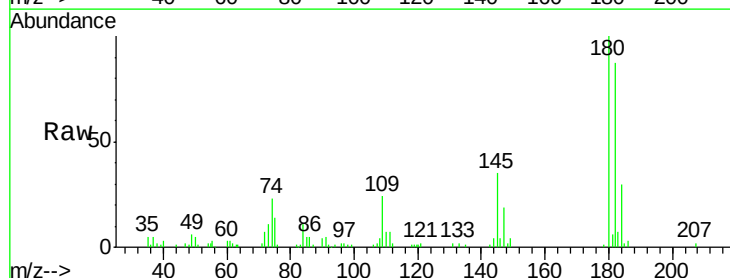
RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD067374.D

Acq: 23 Oct 2020 11:36

Tgt Ion:	180	Resp:	75679
Ion Ratio		Lower	Upper
180	100		
182	91.9	48.1	144.3
145	33.6	17.3	51.9



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

