

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011320\
 Data File : VD064846.D
 Acq On : 13 Jan 2020 13:39
 Operator : VA/SY
 Sample : VD0113SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/14/2020 1:28:32 PM

Quant Time: Jan 14 11:48:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	361621	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	534627	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	473590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	232585	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	183086	57.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.84%	
35) Dibromofluoromethane	7.92	113	180802	55.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.24%	
50) Toluene-d8	10.34	98	684323	54.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.94%	
62) 4-Bromofluorobenzene	12.64	95	220170	55.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	59795	21.277	ug/l	97
3) Chloromethane	2.21	50	92644	23.571	ug/l	98
4) Vinyl Chloride	2.35	62	108459	22.632	ug/l	100
5) Bromomethane	2.76	94	75976	21.804	ug/l	97
6) Chloroethane	2.92	64	72411	22.550	ug/l	99
7) Trichlorofluoromethane	3.26	101	180654	22.389	ug/l	97
8) Diethyl Ether	3.71	74	36496	22.777	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	78226	23.409	ug/l	98
10) Methyl Iodide	4.29	142	75837	21.127	ug/l	99
11) Tert butyl alcohol	5.26	59	21857	119.602	ug/l	98
12) 1,1-Dichloroethene	4.06	96	73703	23.166	ug/l	93
13) Acrolein	3.92	56	21305	83.652	ug/l	100
14) Allyl chloride	4.71	41	119423	24.075	ug/l	99
15) Acrylonitrile	5.43	53	81295	121.804	ug/l	98
16) Acetone	4.16	43	91880	131.335	ug/l	92
17) Carbon Disulfide	4.40	76	228489	22.211	ug/l	99
18) Methyl Acetate	4.72	43	39735	22.134	ug/l	96
19) Methyl tert-butyl Ether	5.49	73	167244	23.667	ug/l	95
20) Methylene Chloride	4.96	84	103361	29.711	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	83094	22.934	ug/l	96
22) Diisopropyl ether	6.37	45	239776	24.235	ug/l	98
23) Vinyl Acetate	6.31	43	671025	119.561	ug/l	98
24) 1,1-Dichloroethane	6.26	63	147015	24.752	ug/l	97
25) 2-Butanone	7.23	43	111322	127.007	ug/l	98
26) 2,2-Dichloropropane	7.21	77	137860	24.964	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	90804	23.222	ug/l	95
28) Bromochloromethane	7.55	49	52561	22.765	ug/l	99
29) Tetrahydrofuran	7.57	42	64212	117.803	ug/l	96
30) Chloroform	7.71	83	153952	24.705	ug/l	100
31) Cyclohexane	7.99	56	135365	22.768	ug/l	# 93
32) 1,1,1-Trichloroethane	7.90	97	143214	24.468	ug/l	98
36) 1,1-Dichloropropene	8.11	75	119978	23.316	ug/l	98
37) Ethyl Acetate	7.30	43	47173	23.335	ug/l	99
38) Carbon Tetrachloride	8.10	117	129714	23.641	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011320\
 Data File : VD064846.D
 Acq On : 13 Jan 2020 13:39
 Operator : VA/SY
 Sample : VD0113SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0113SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/14/2020 1:28:32 PM

Quant Time: Jan 14 11:48:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	138709	22.256	ug/l	96
40) Benzene	8.35	78	327885	23.341	ug/l	99
41) Methacrylonitrile	7.53	41	27565	23.502	ug/l	97
42) 1,2-Dichloroethane	8.43	62	100053	24.648	ug/l	98
43) Isopropyl Acetate	8.46	43	93094	23.137	ug/l	99
44) Trichloroethene	9.11	130	94497	22.899	ug/l	96
45) 1,2-Dichloropropane	9.39	63	78448	23.389	ug/l	95
46) Dibromomethane	9.48	93	43896	23.474	ug/l	97
47) Bromodichloromethane	9.67	83	116949	23.503	ug/l	93
48) Methyl methacrylate	9.46	41	41964	22.150	ug/l #	87
49) 1,4-Dioxane	9.47	88	10577	490.539	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	230181	115.738	ug/l	100
52) Toluene	10.41	92	209672	22.750	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	109867	23.683	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	130136	23.790	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	60106	23.851	ug/l	96
56) Ethyl methacrylate	10.67	69	70251	22.321	ug/l	98
57) 1,3-Dichloropropane	10.95	76	100548	23.172	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	148372	123.737	ug/l	99
59) 2-Hexanone	10.99	43	165678	122.738	ug/l	96
60) Dibromochloromethane	11.14	129	80393	23.069	ug/l	99
61) 1,2-Dibromoethane	11.25	107	55716	22.415	ug/l	98
64) Tetrachloroethene	10.88	164	83313	22.930	ug/l	98
65) Chlorobenzene	11.67	112	221239	22.508	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	87886	23.718	ug/l	98
67) Ethyl Benzene	11.75	91	401215	22.489	ug/l	96
68) m/p-Xylenes	11.86	106	311517	45.238	ug/l	99
69) o-Xylene	12.18	106	140478	22.585	ug/l	97
70) Styrene	12.20	104	243970	22.346	ug/l	99
71) Bromoform	12.37	173	46226	21.875	ug/l #	100
73) Isopropylbenzene	12.48	105	380147	22.871	ug/l	98
74) N-amyl acetate	12.29	43	82560	23.237	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	61583	23.586	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	40745m	22.185	ug/l	
77) Bromobenzene	12.77	156	94515	23.143	ug/l	99
78) n-propylbenzene	12.83	91	453370	23.381	ug/l	99
79) 2-Chlorotoluene	12.91	91	249247	23.399	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	312160	22.863	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	20731	23.607	ug/l	96
82) 4-Chlorotoluene	13.01	91	263977	23.287	ug/l	99
83) tert-Butylbenzene	13.23	119	267319	22.550	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	312230	22.962	ug/l	98
85) sec-Butylbenzene	13.41	105	373730	22.996	ug/l	100
86) p-Isopropyltoluene	13.52	119	350971	22.585	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	174842	22.457	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	174754	22.849	ug/l	98
89) n-Butylbenzene	13.85	91	320448	22.899	ug/l	100
90) Hexachloroethane	14.12	117	67764	22.828	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	147802	22.264	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9241	21.832	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011320\
Data File : VD064846.D
Acq On : 13 Jan 2020 13:39
Operator : VA/SY
Sample : VD0113SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0113SBSD01

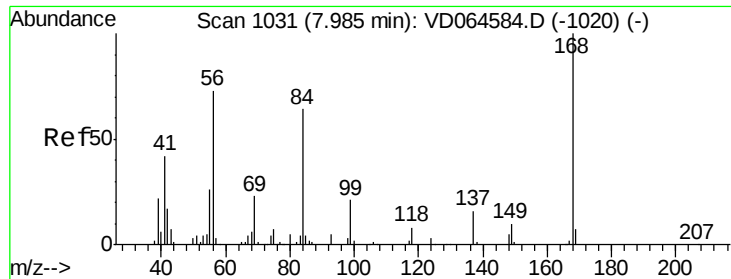
Manual Integrations
APPROVED

MMDadoda
1/14/2020 1:28:32 PM

Quant Time: Jan 14 11:48:22 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	108417	22.179	ug/l	99
94) Hexachlorobutadiene	15.28	225	68063	22.127	ug/l	99
95) Naphthalene	15.41	128	168663	21.810	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	92428	22.149	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0113BSD01

Tot Ion:168 Resp: 361621

Ion Ratio Lower Upper

168 100

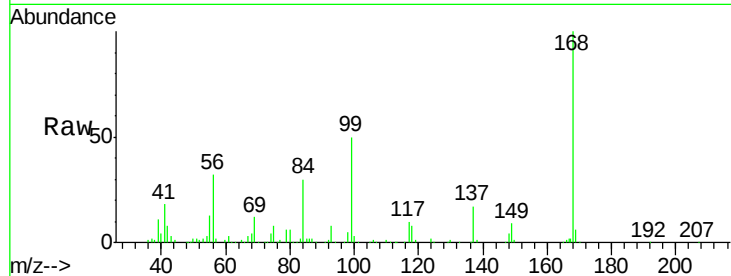
99 49.8 41.8 62.6

Manual Integrations

APPROVED

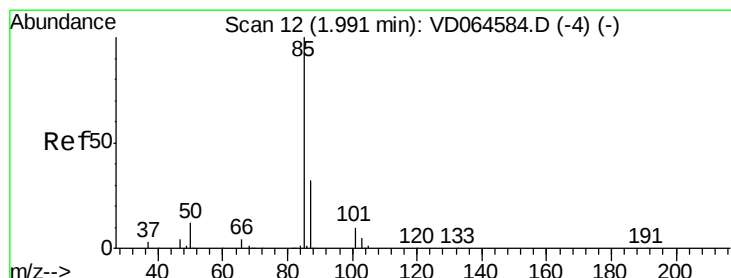
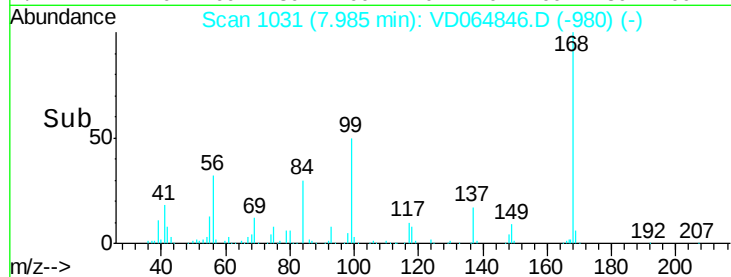
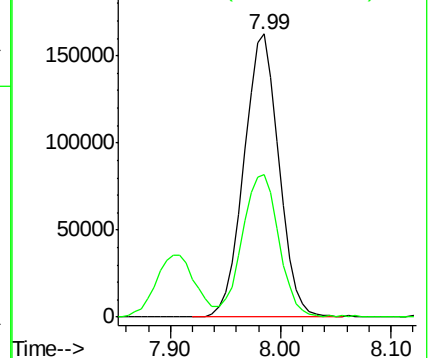
MMDadoda

1/14/2020 1:28:32 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 21.277 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064846.D

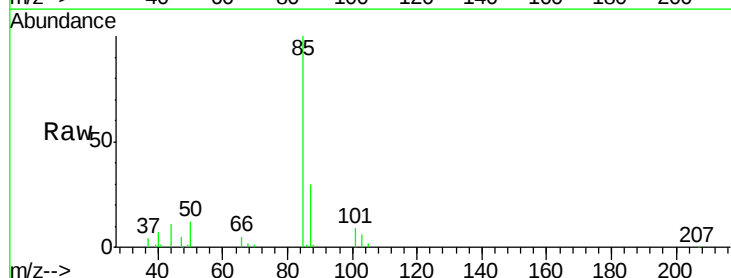
Acq: 13 Jan 2020 13:39

Tgt Ion: 85 Resp: 59795

Ion Ratio Lower Upper

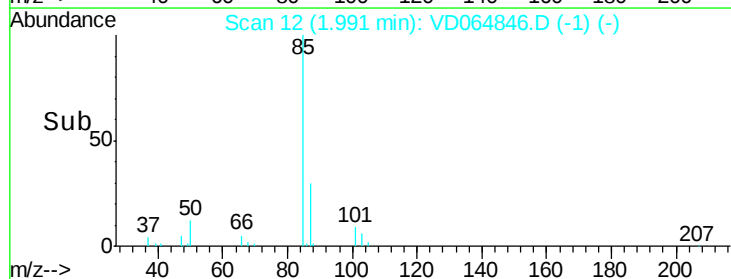
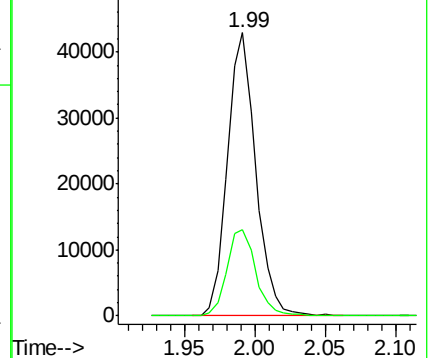
85 100

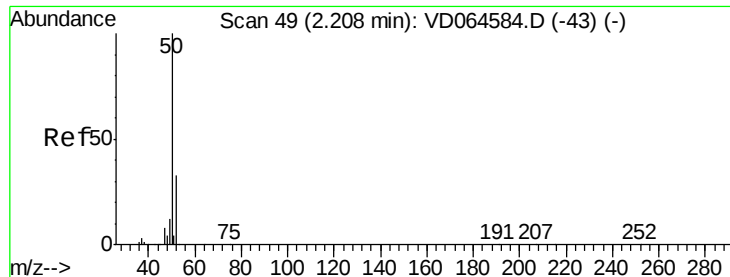
87 30.4 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 23.571 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBS01

Tot Ion: 50 Resp: 92644

Ion Ratio Lower Upper

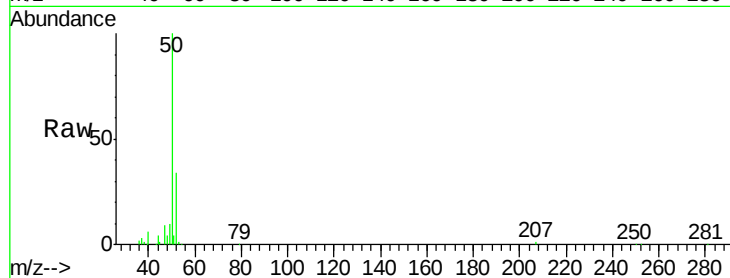
50 100

52 34.4 26.5 39.7

Manual Integrations
APPROVED

MMDadoda

1/14/2020 1:28:32 PM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

60000

40000

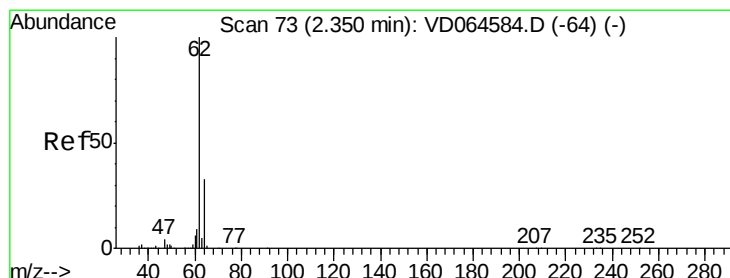
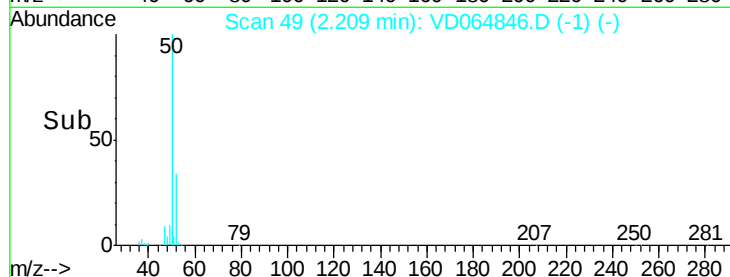
20000

0

Time-->

2.20

2.30



#4

Vinyl Chloride

Concen: 22.632 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064846.D

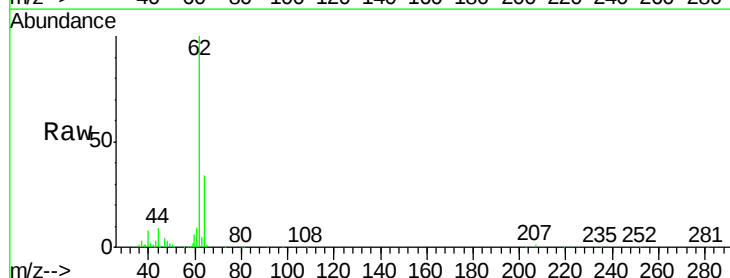
Acq: 13 Jan 2020 13:39

Tgt Ion: 62 Resp: 108459

Ion Ratio Lower Upper

62 100

64 33.5 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

60000

40000

20000

0

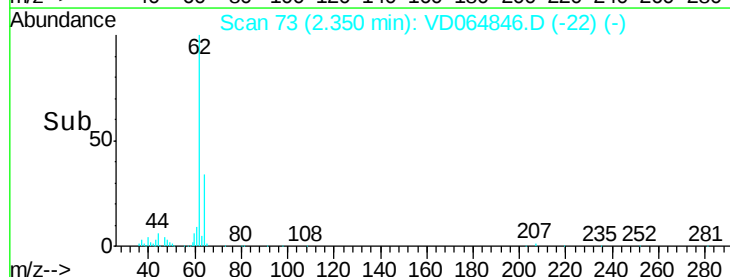
Time-->

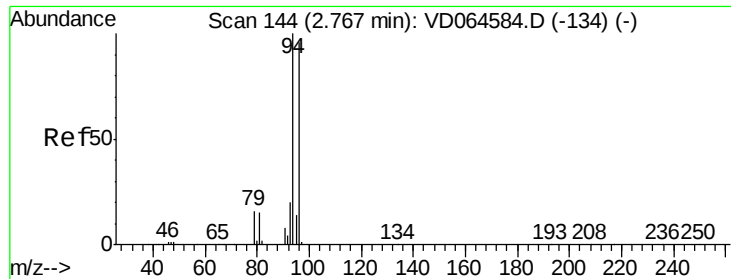
2.30

2.35

2.40

2.45





#5

Bromomethane

Concen: 21.804 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBSD01

Tot Ion: 94 Resp: 75976

Ion Ratio Lower Upper

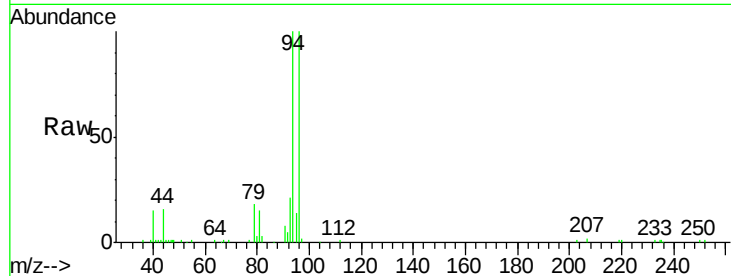
94 100

96 99.0 77.2 115.8

Manual Integrations
APPROVED

MMDadoda

1/14/2020 1:28:32 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

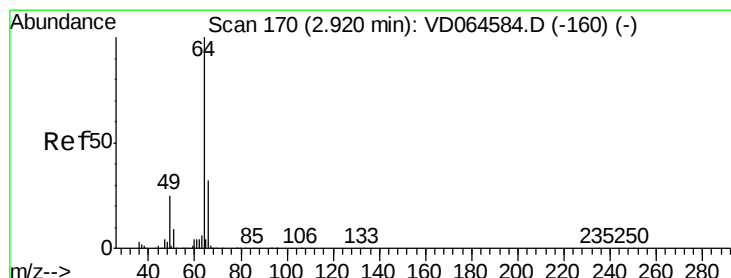
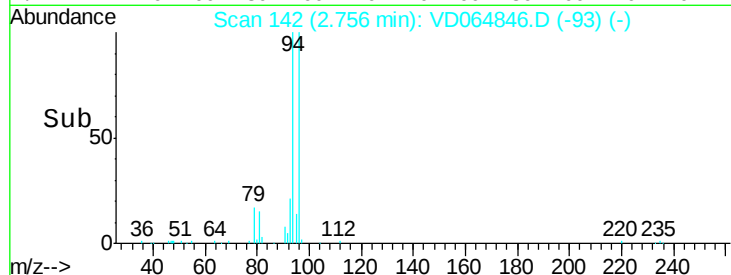
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 22.550 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064846.D

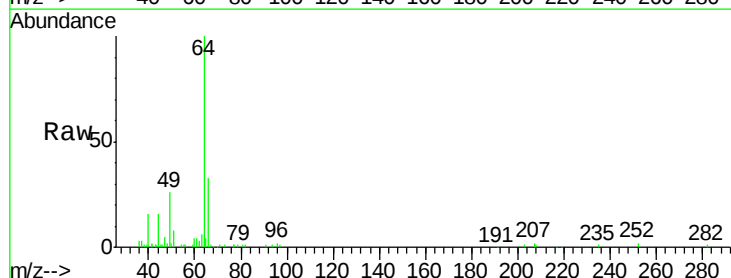
Acq: 13 Jan 2020 13:39

Tgt Ion: 64 Resp: 72411

Ion Ratio Lower Upper

64 100

66 33.1 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

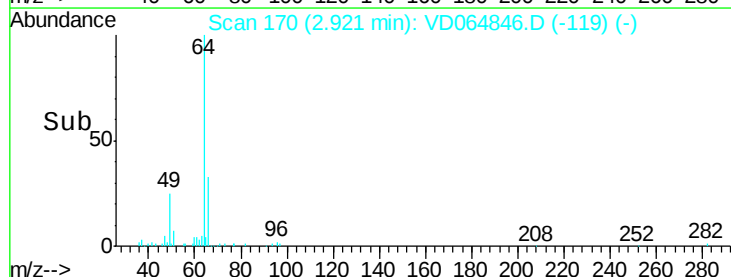
30000

20000

10000

0

Time-->





#7

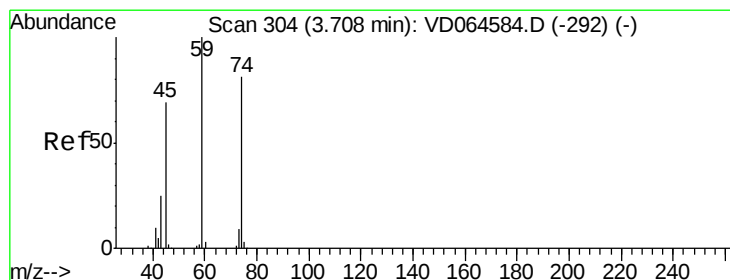
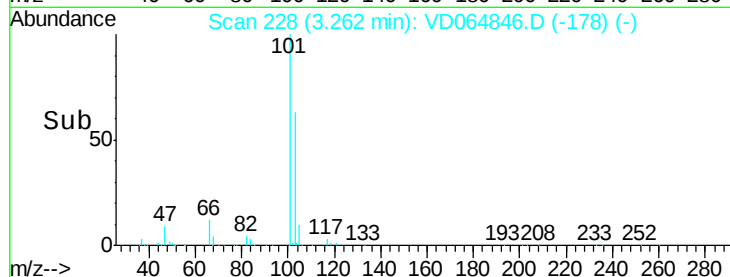
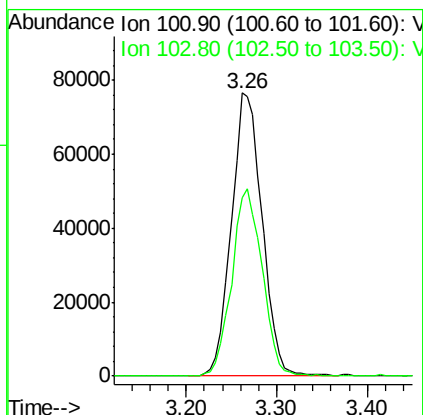
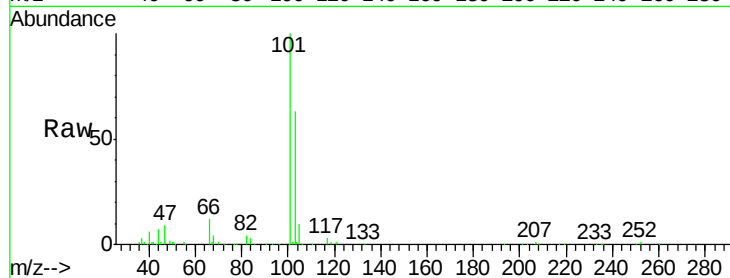
Trichlorofluoromethane
Concen: 22.389 ug/l
RT: 3.26 min Scan# 228
Delta R.T. -0.01 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Instrument :
MSVOA_D
ClientSampleId :
VD0113BSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	52.2	78.4

Manual Integrations
APPROVED

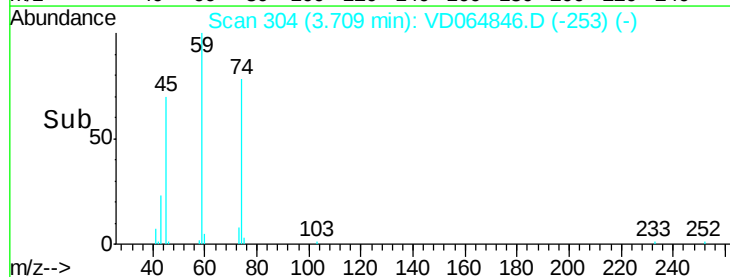
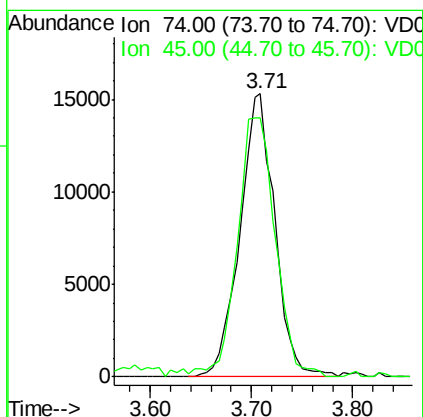
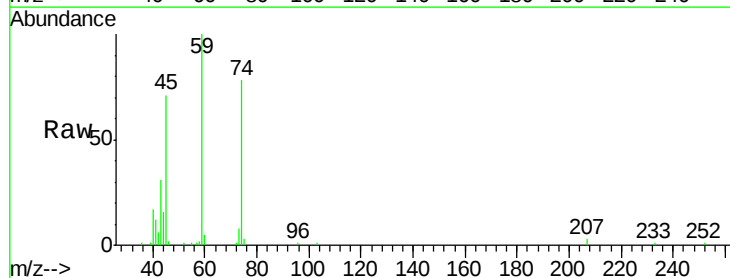
MMDadoda
1/14/2020 1:28:32 PM

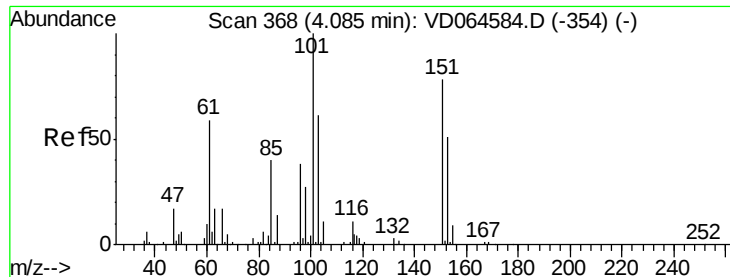


#8

Diethyl Ether
Concen: 22.777 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.8	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.409 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

Instrument :

MSVOA_D

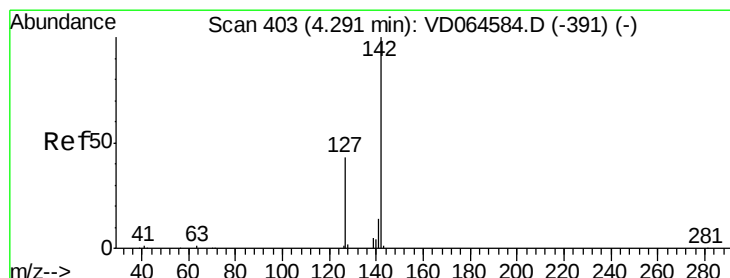
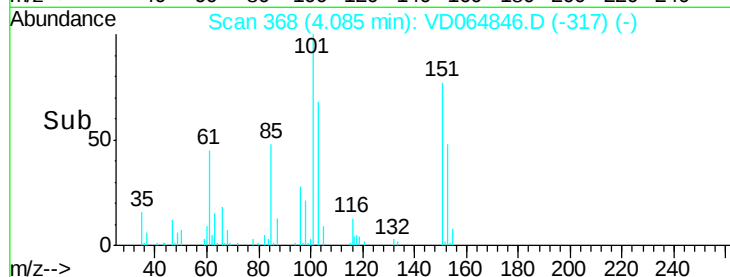
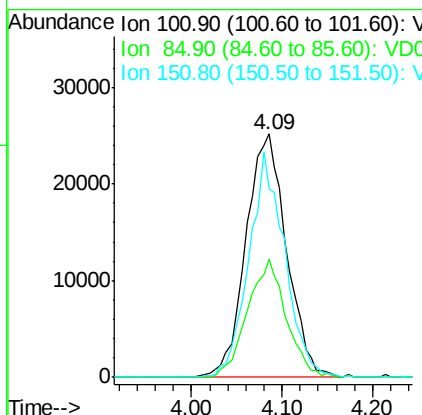
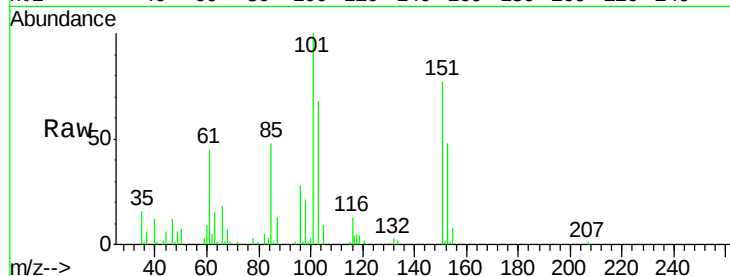
ClientSampleId :

VD0113SBSD01

Tot Ion:	101	Resp:	78226
Ion Ratio	Lower	Upper	
101	100		
85	46.2	35.2	52.8
151	82.0	66.2	99.4

Manual Integrations
APPROVED

MMDadoda
1/14/2020 1:28:32 PM



#10

Methyl Iodide

Concen: 21.127 ug/l

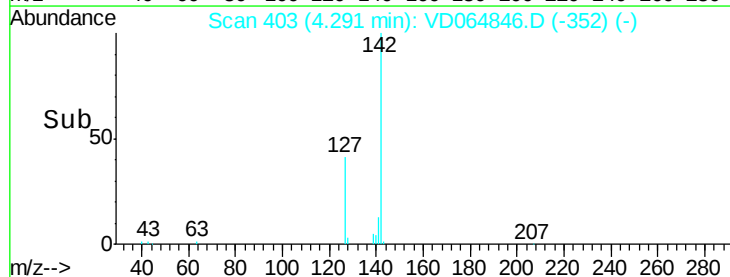
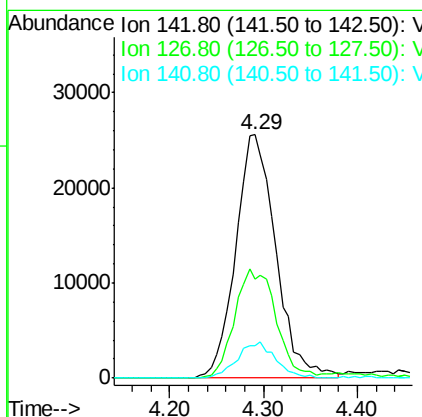
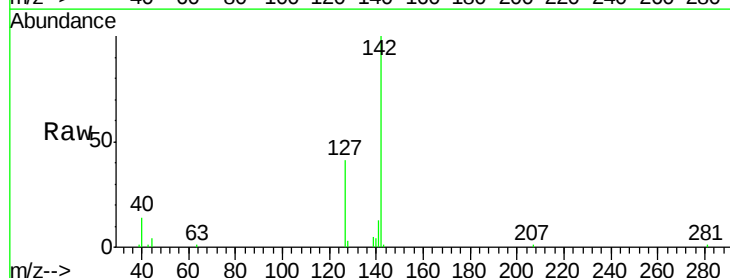
RT: 4.29 min Scan# 403

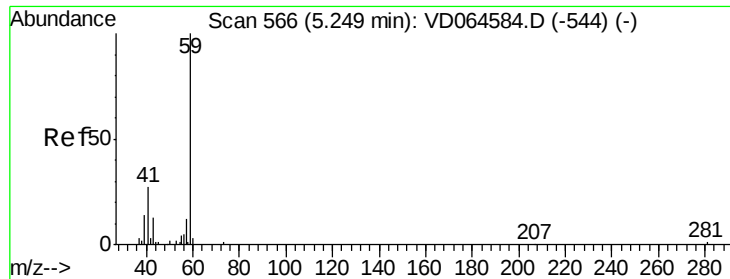
Delta R.T. 0.00 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

Tgt Ion:	142	Resp:	75837
Ion Ratio	Lower	Upper	
142	100		
127	46.1	36.2	54.4
141	14.1	11.8	17.8





#11

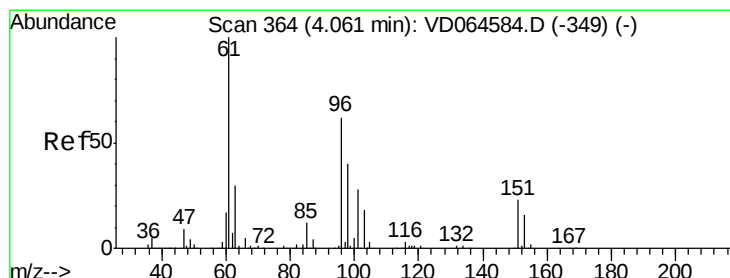
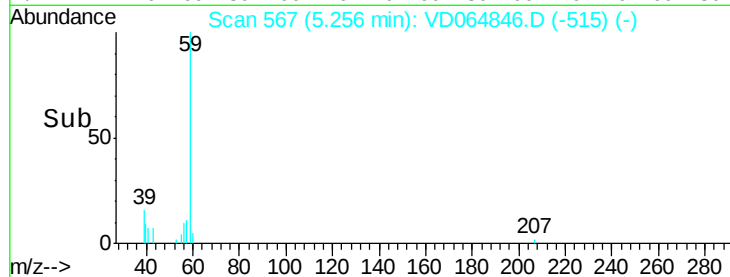
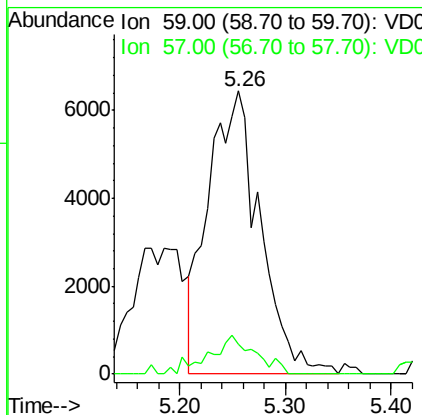
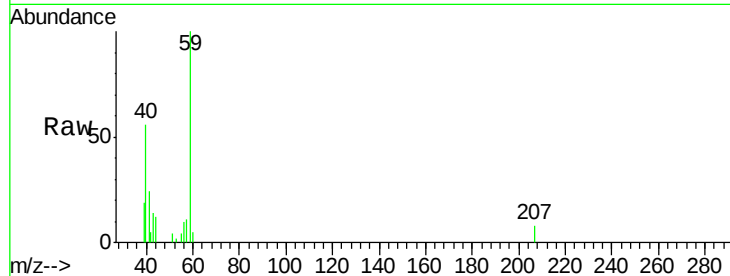
Tert butyl alcohol
Concen: 119.602 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Instrument :
MSVOA_D
ClientSampleId :
VD0113SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.3	9.3	13.9

Manual Integrations
APPROVED

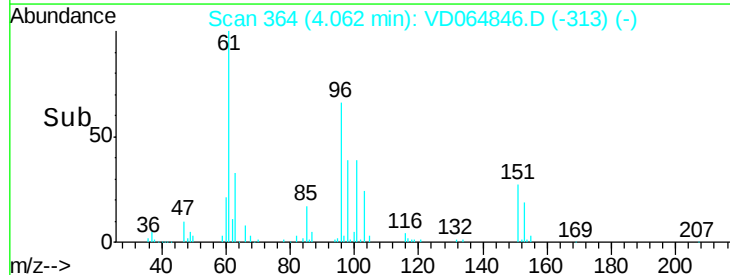
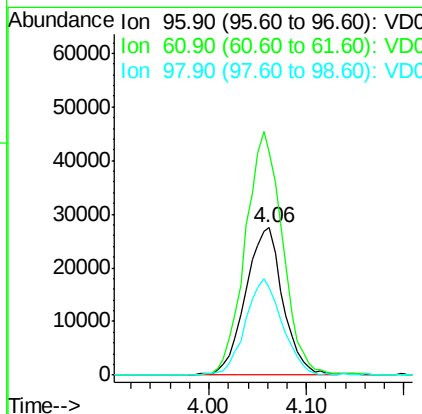
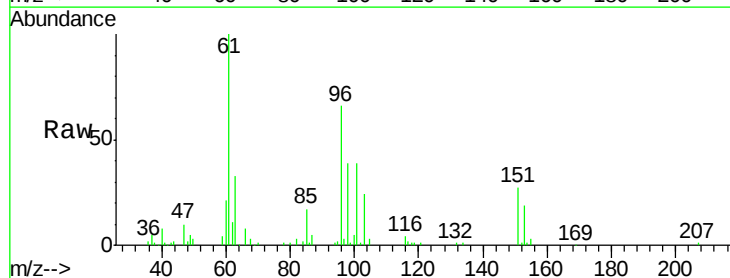
MMDadoda
1/14/2020 1:28:32 PM

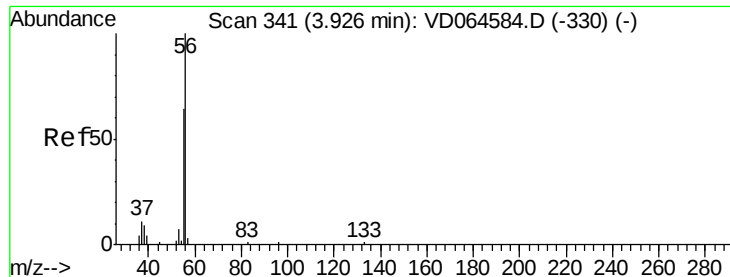


#12

1,1-Dichloroethene
Concen: 23.166 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.6	129.4	194.0
98	59.7	51.4	77.0





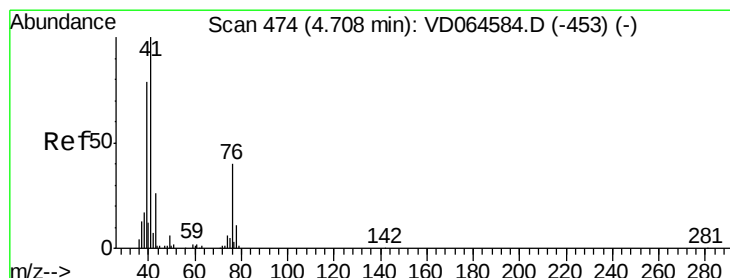
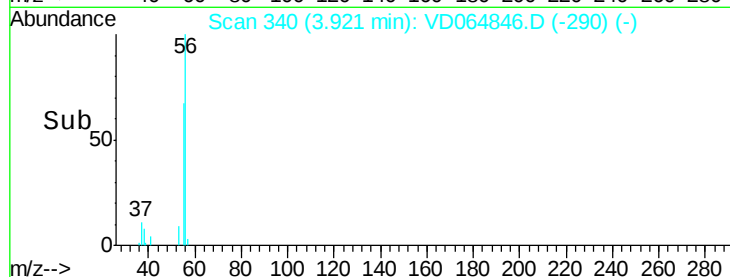
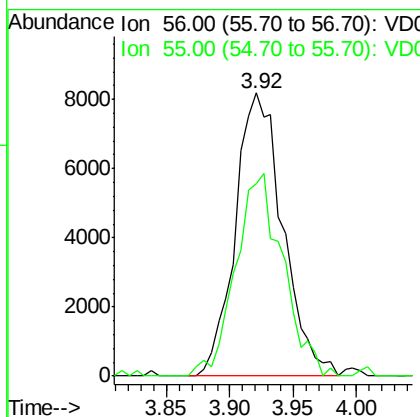
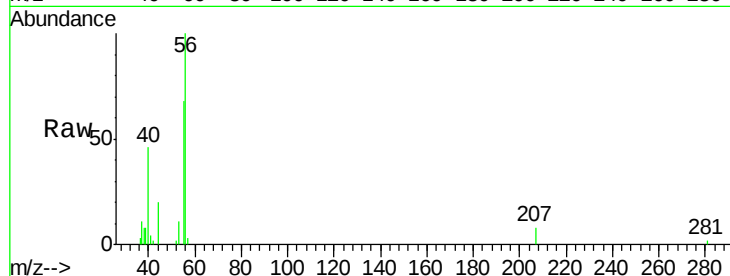
#13
Acrolein
Concen: 83.652 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Instrument :
MSVOA_D
ClientSampleId :
VD0113BSD01

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.2	56.7	85.1

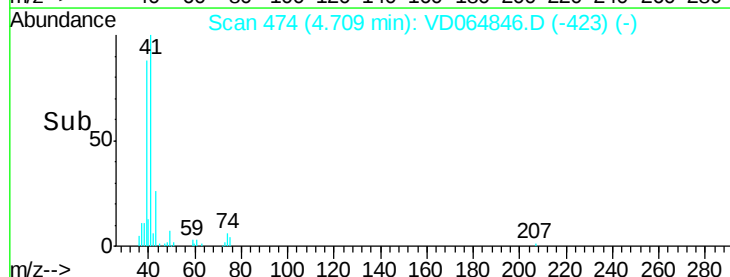
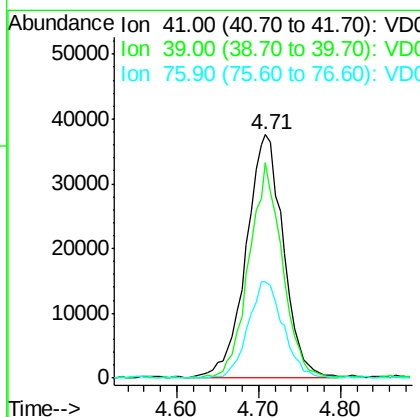
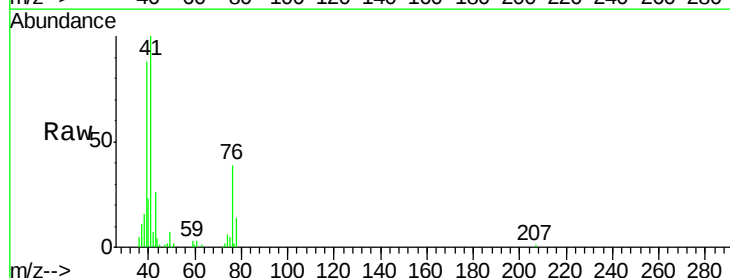
Manual Integrations
APPROVED

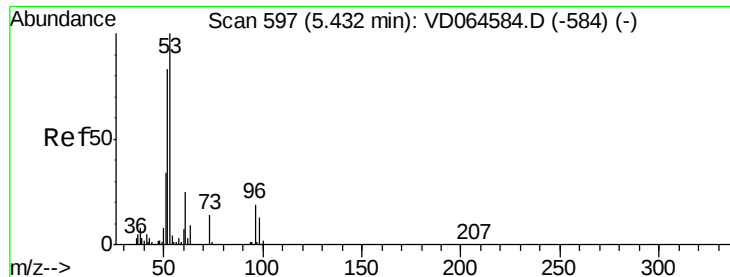
MMDadoda
1/14/2020 1:28:32 PM



#14
Allyl chloride
Concen: 24.075 ug/l
RT: 4.71 min Scan# 474
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Tgt Ion	Ratio	Lower	Upper
41	100		
39	78.5	62.3	93.5
76	37.2	29.7	44.5





#15

Acrylonitrile

Concen: 121.804 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

Instrument :

MSVOA_D

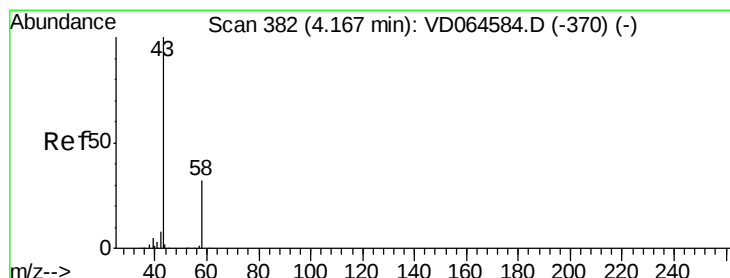
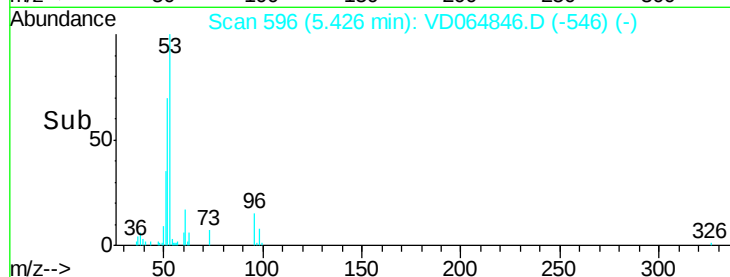
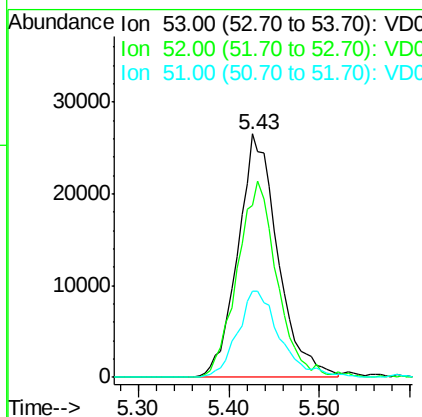
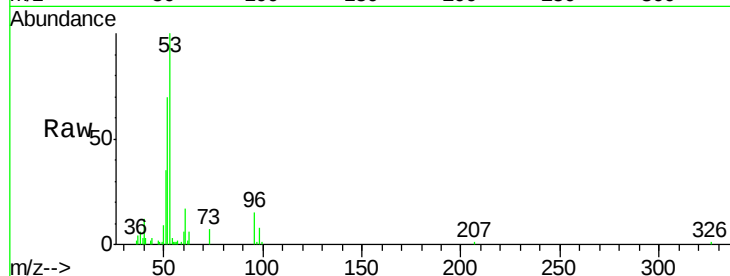
ClientSampleId :

VD0113SBS01

Tot Ion:	53	Resp:	81295
Ion Ratio	Lower	Upper	
53	100		
52	79.6	66.2	99.2
51	37.6	30.1	45.1

Manual Integrations
APPROVED

MMDadoda
1/14/2020 1:28:32 PM



#16

Acetone

Concen: 131.335 ug/l

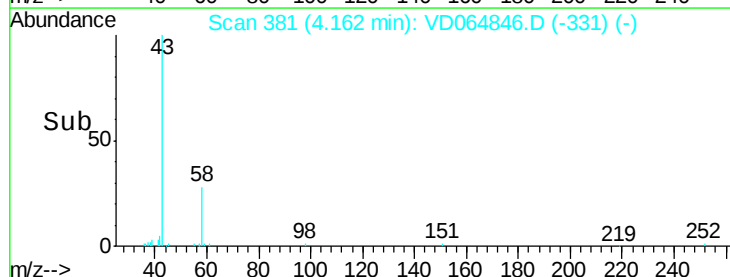
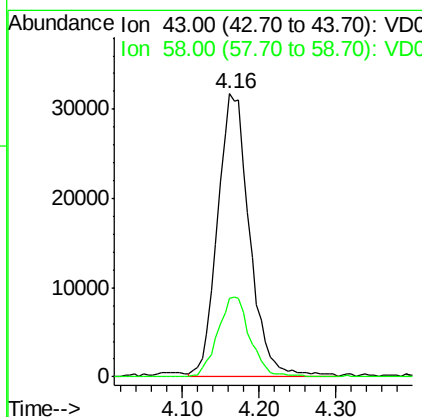
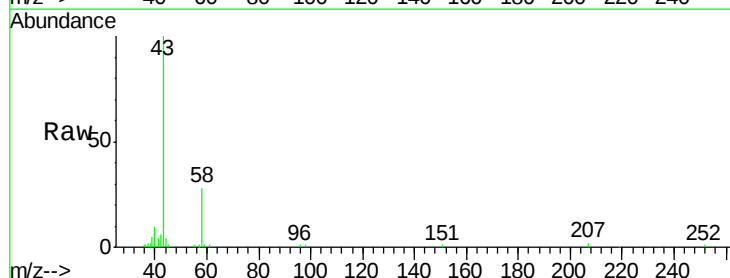
RT: 4.16 min Scan# 381

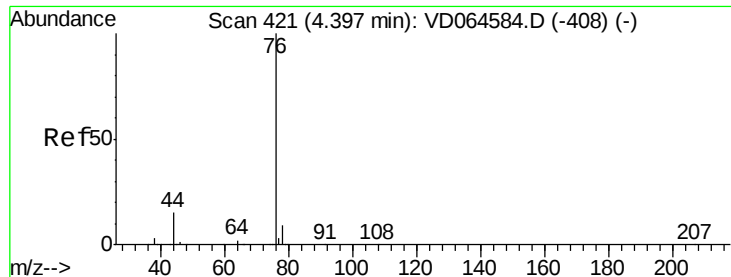
Delta R.T. -0.01 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

Tgt Ion:	43	Resp:	91880
Ion Ratio	Lower	Upper	
43	100		
58	27.9	25.8	38.6





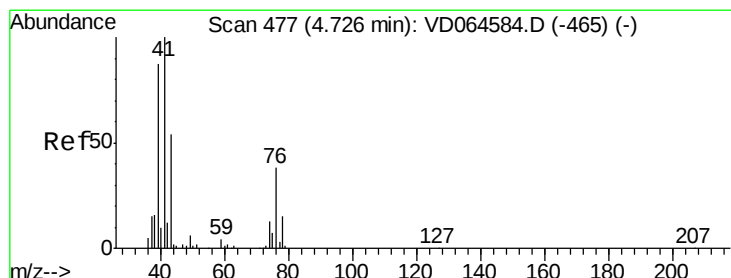
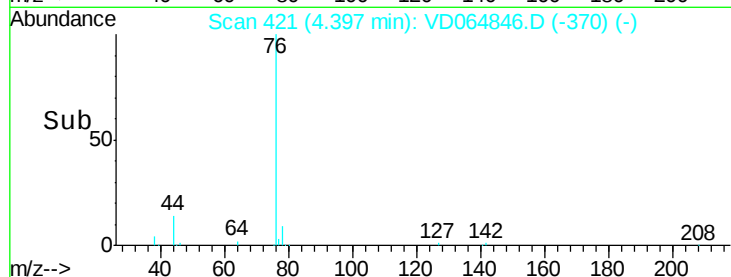
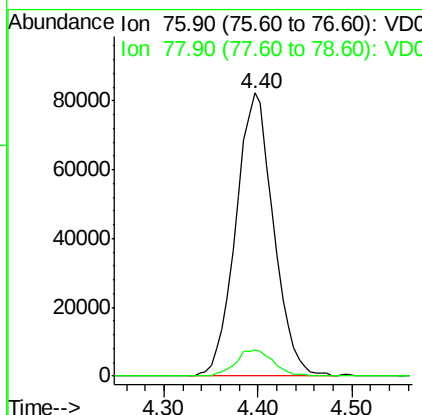
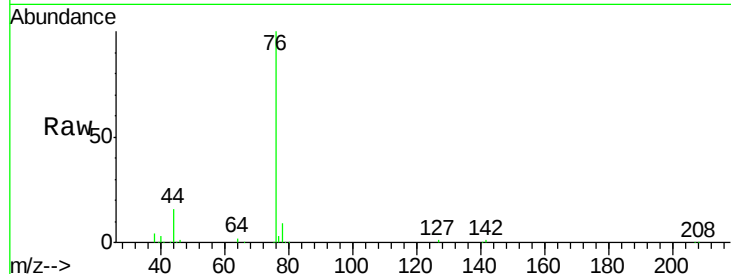
#17
Carbon Disulfide
Concen: 22.211 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Instrument :
MSVOA_D
ClientSampleId :
VD0113BSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

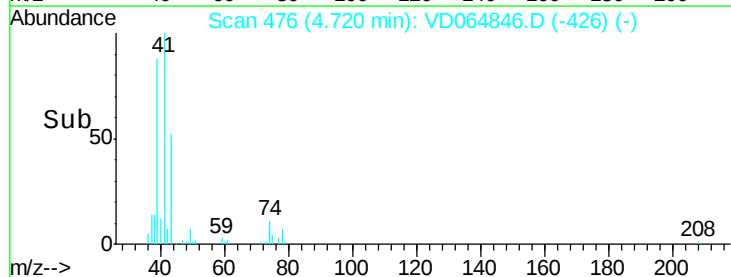
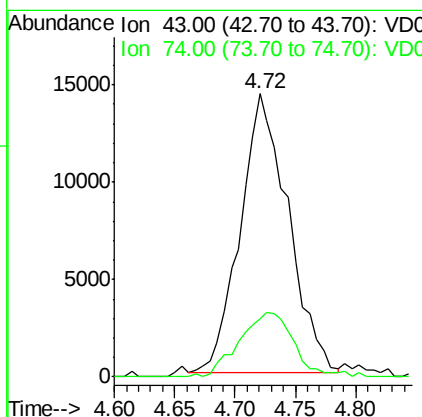
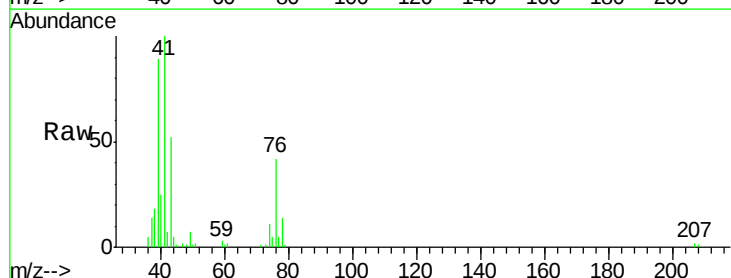
Manual Integrations
APPROVED

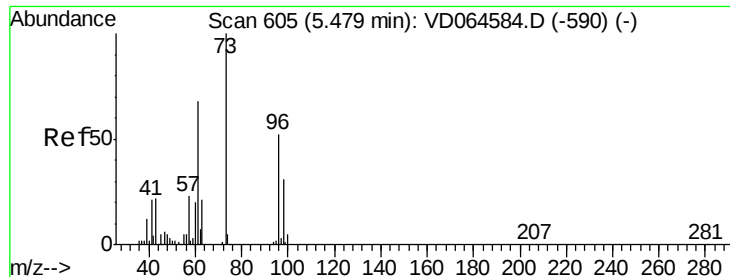
MMDadoda
1/14/2020 1:28:32 PM



#18
Methyl Acetate
Concen: 22.134 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.2	19.2	28.8





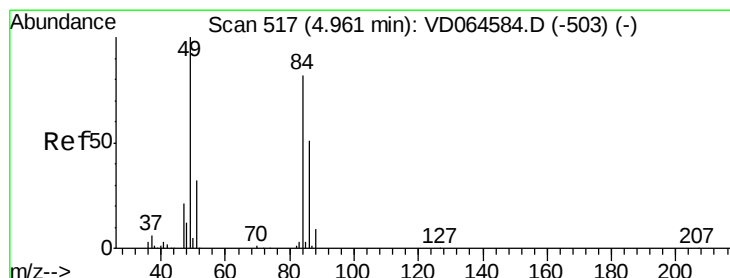
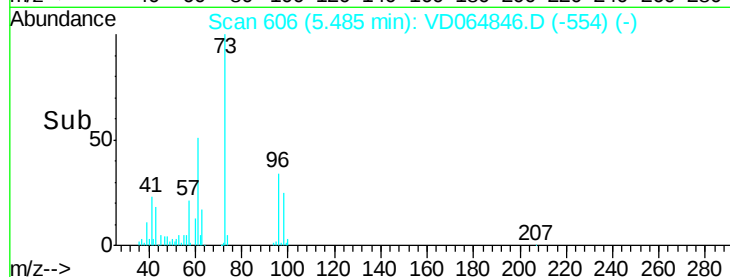
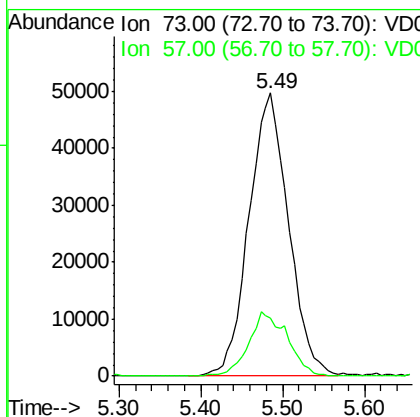
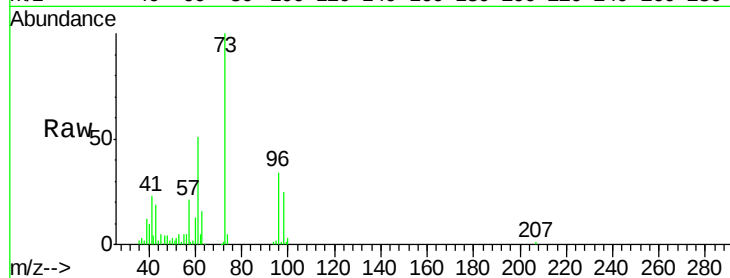
#19
Methyl tert-butyl Ether
Concen: 23.667 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Instrument :
MSVOA_D
ClientSampleId :
VD0113BSD01

Tot Ion: 73 Resp: 167244
Ion Ratio Lower Upper
73 100
57 20.7 18.6 27.8

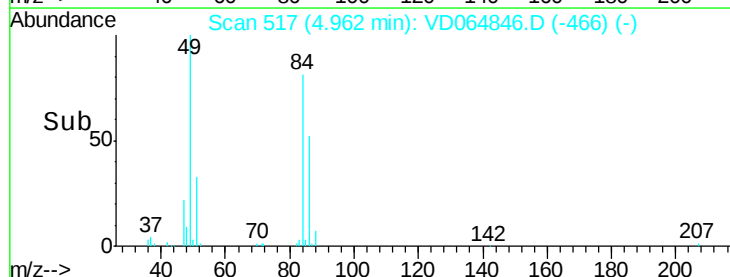
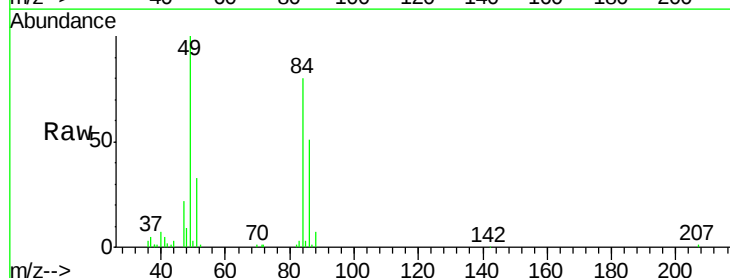
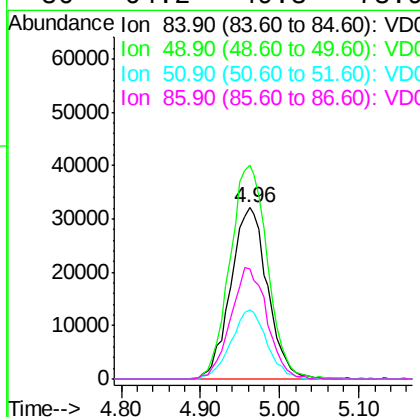
Manual Integrations
APPROVED

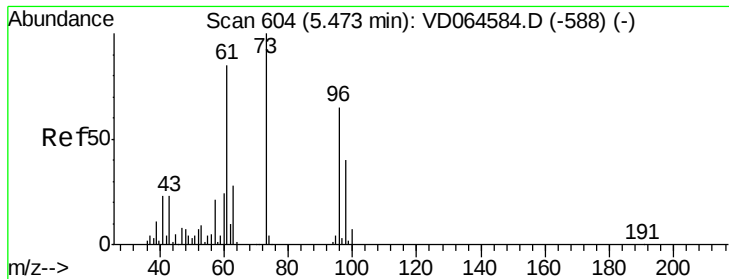
MMDadoda
1/14/2020 1:28:32 PM



#20
Methylene Chloride
Concen: 29.711 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Tgt Ion: 84 Resp: 103361
Ion Ratio Lower Upper
84 100
49 124.7 97.2 145.8
51 40.7 31.4 47.0
86 64.2 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 22.934 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

Instrument :

MSVOA_D

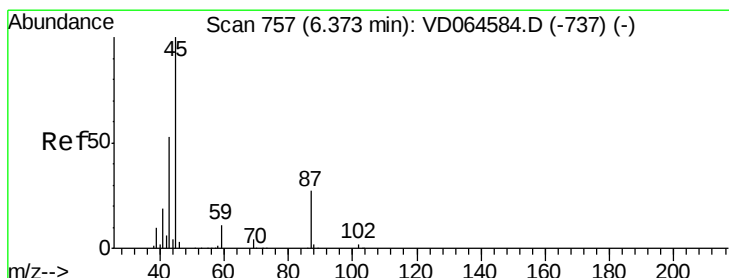
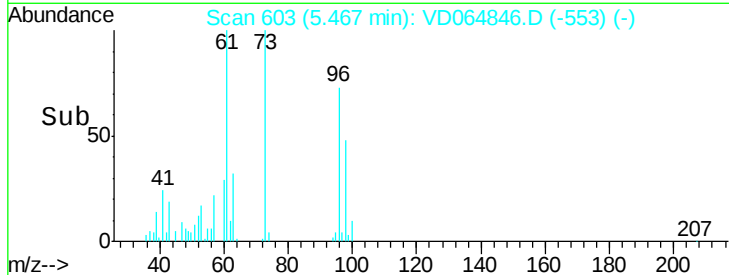
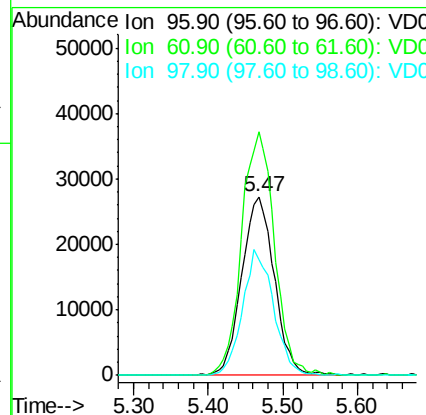
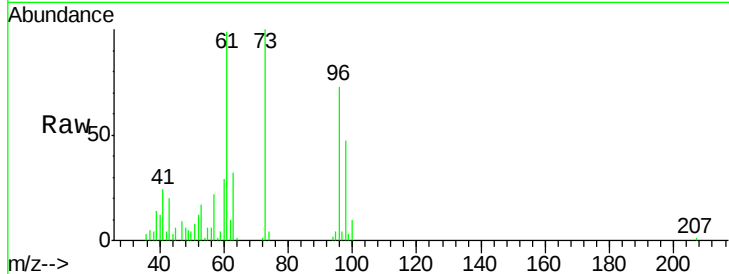
ClientSampleId :

VD0113SBS01

Tot Ion:	96	Resp:	83094
Ion	Ratio	Lower	Upper
96	100		
61	136.1	104.7	157.1
98	64.9	49.4	74.2

Manual Integrations
APPROVED

MMDadoda
1/14/2020 1:28:32 PM



#22

Diisopropyl ether

Concen: 24.235 ug/l

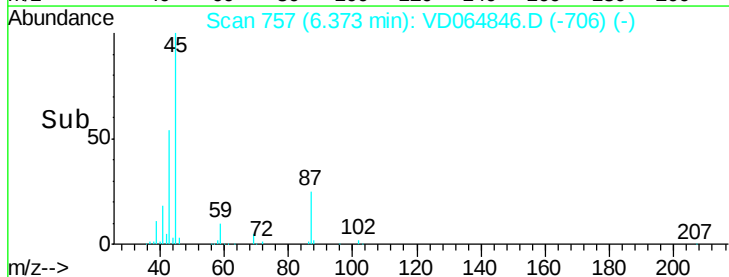
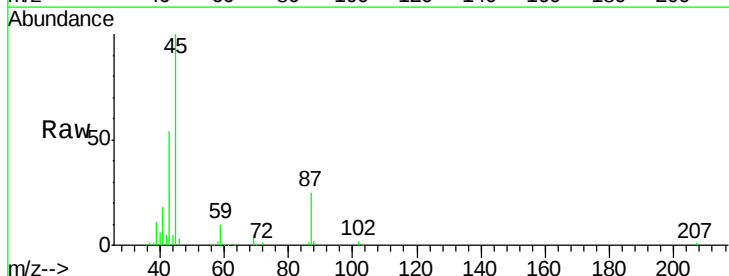
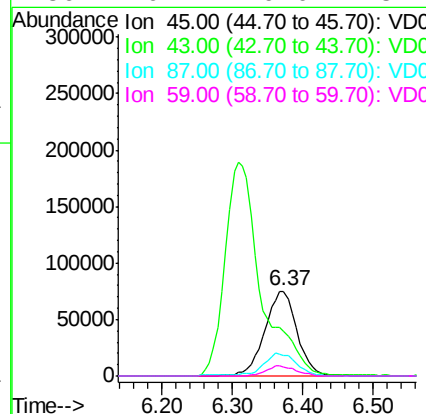
RT: 6.37 min Scan# 757

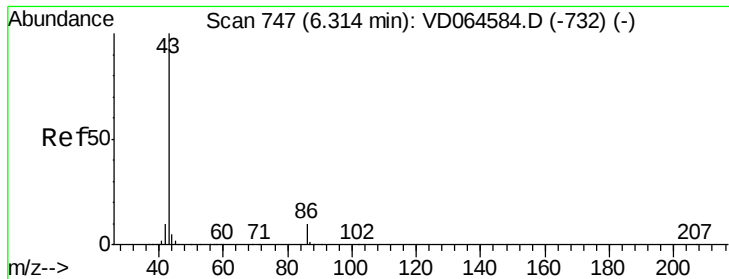
Delta R.T. 0.00 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

Tgt Ion:	45	Resp:	239776
Ion	Ratio	Lower	Upper
45	100		
43	53.0	43.2	64.8
87	24.9	21.9	32.9
59	10.4	9.0	13.4





#23

Vinyl Acetate

Concen: 119.561 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBS01

Tot Ion: 43 Resp: 671025

Ion Ratio Lower Upper

43 100

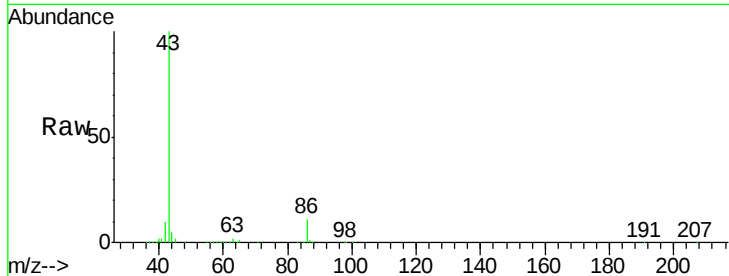
86 11.2 8.3 12.5

Manual Integrations

APPROVED

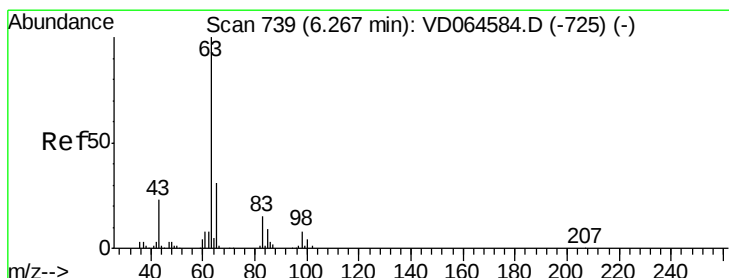
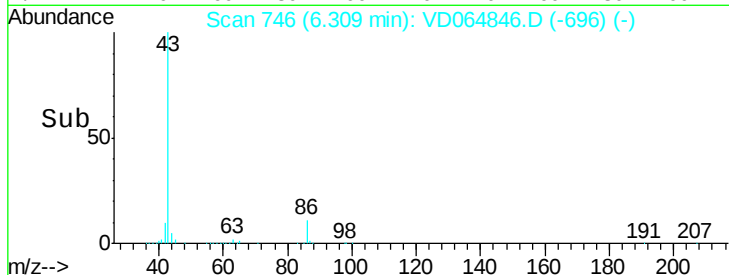
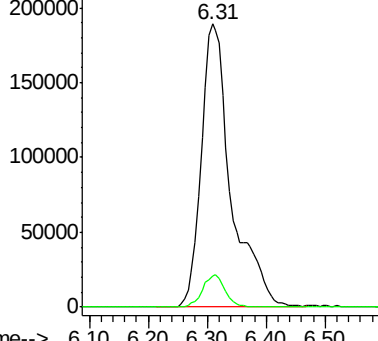
MMDadoda

1/14/2020 1:28:32 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 24.752 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

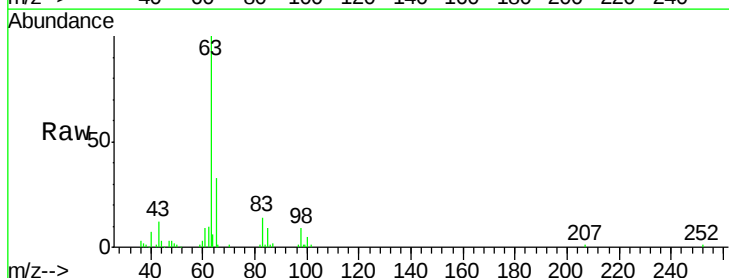
Tgt Ion: 63 Resp: 147015

Ion Ratio Lower Upper

63 100

98 9.5 4.1 12.3

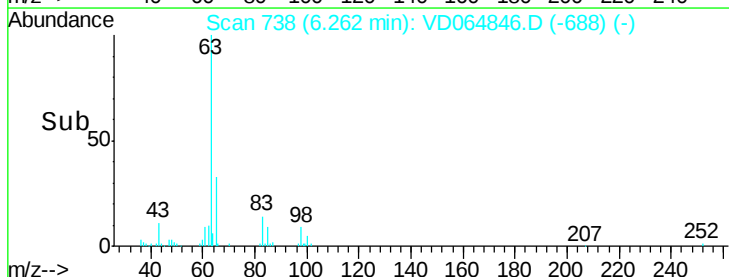
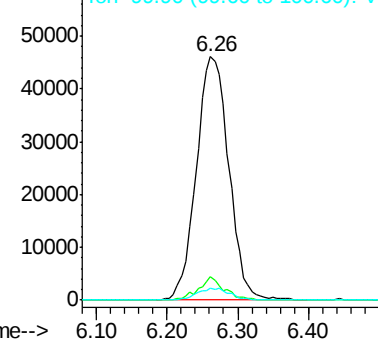
100 5.0 2.2 6.6

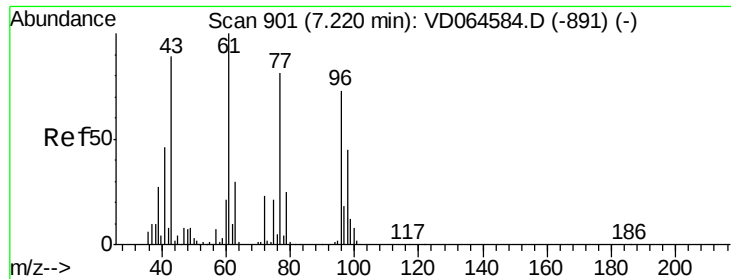


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





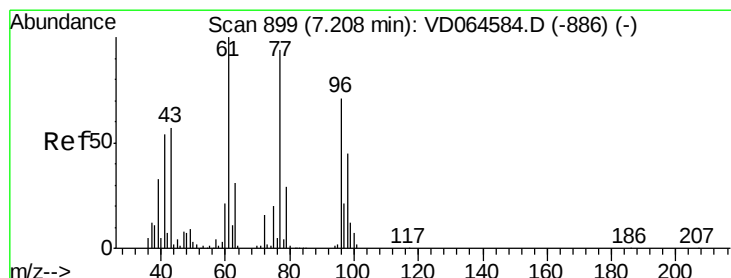
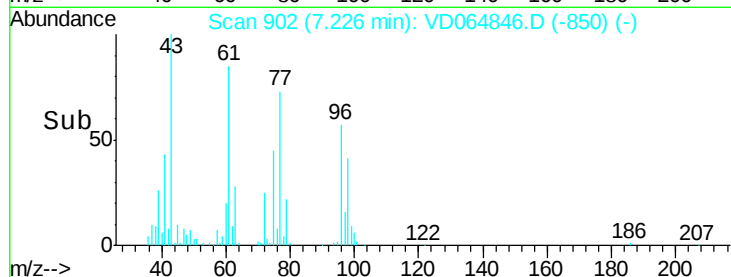
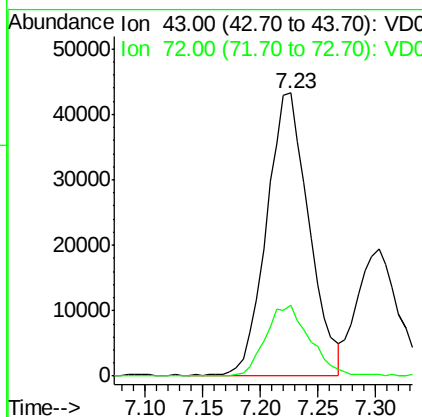
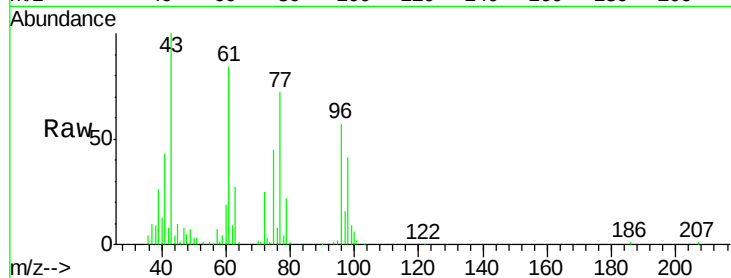
#25
2-Butanone
Concen: 127.007 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Instrument :
MSVOA_D
ClientSampleId :
VD0113SBS01

Tot Ion: 43 Resp: 111322
Ion Ratio Lower Upper
43 100
72 25.0 20.7 31.1

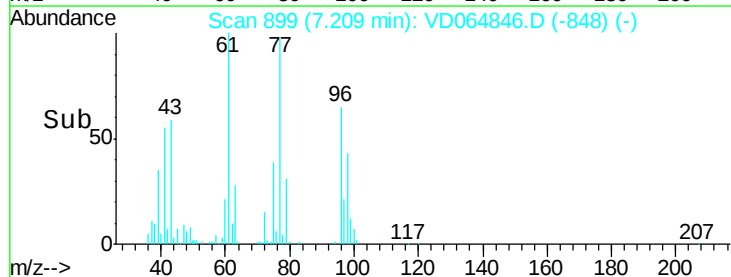
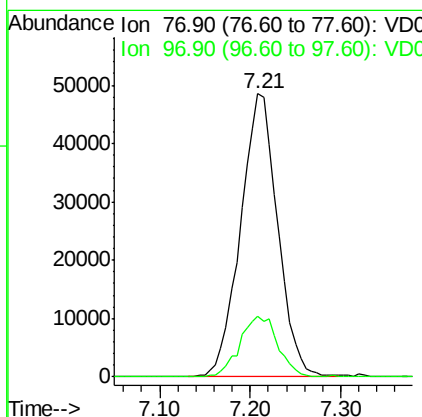
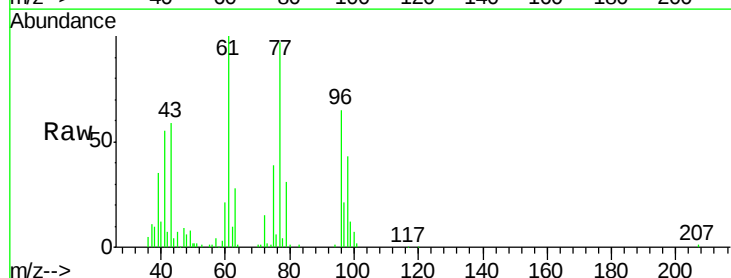
Manual Integrations
APPROVED

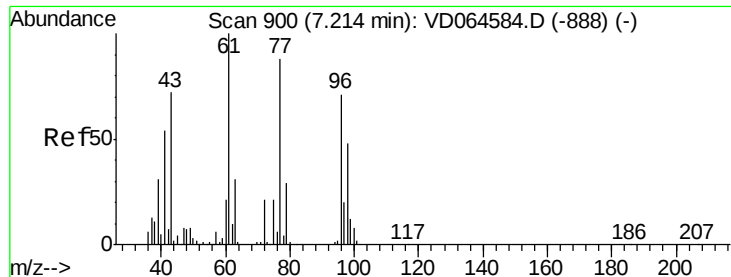
MMDadoda
1/14/2020 1:28:32 PM



#26
2,2-Dichloropropane
Concen: 24.964 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Tgt Ion: 77 Resp: 137860
Ion Ratio Lower Upper
77 100
97 21.7 11.2 33.6





#27

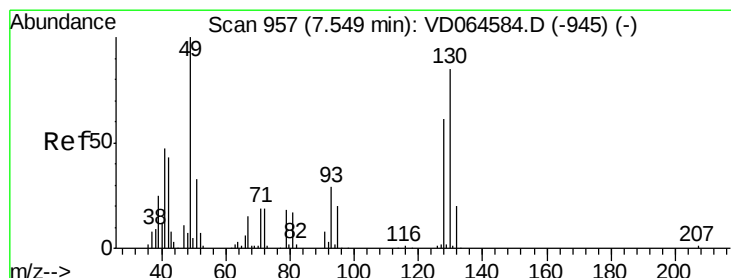
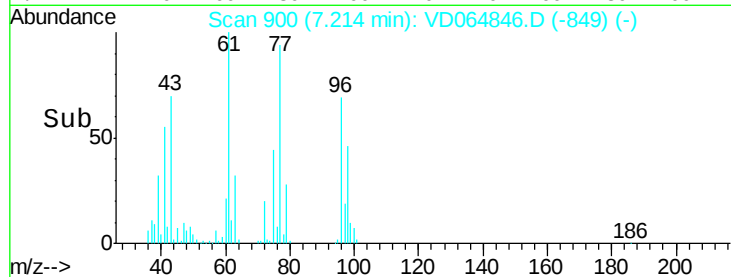
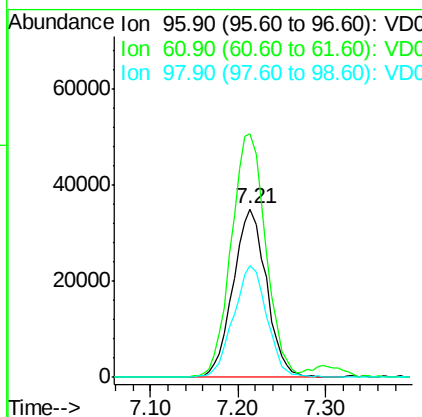
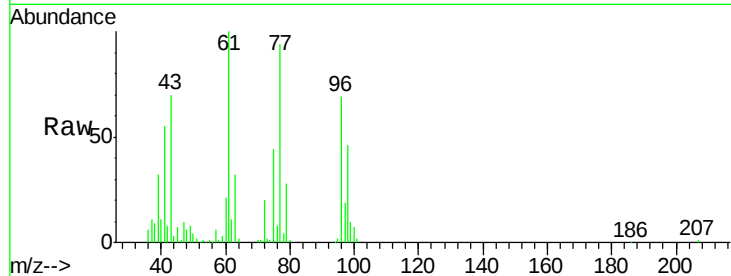
cis-1,2-Dichloroethene
Concen: 23.222 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Instrument :
MSVOA_D
ClientSampleId :
VD0113SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.1	0.0	282.6
98	66.0	0.0	130.8

Manual Integrations
APPROVED

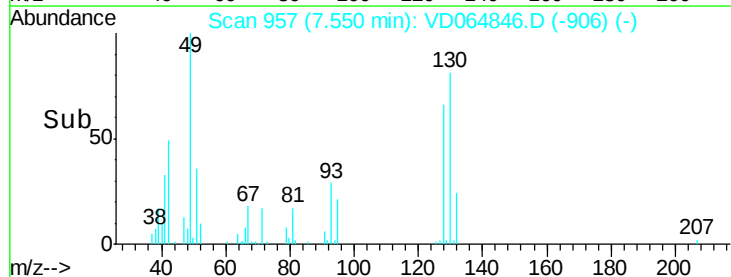
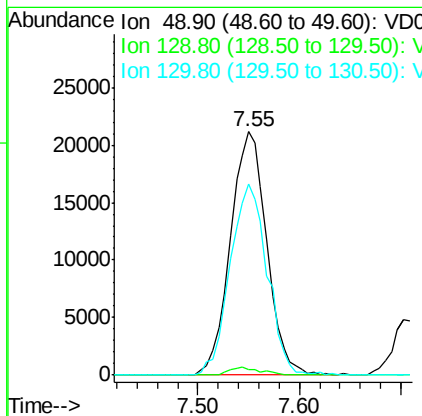
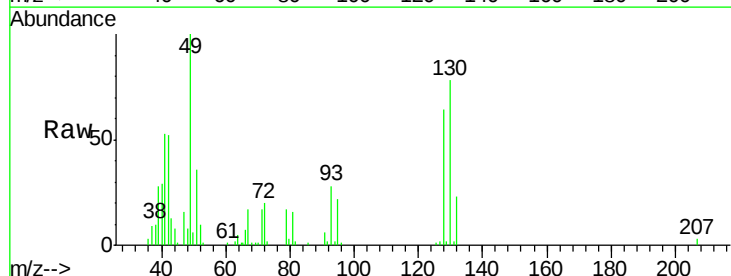
MMDadoda
1/14/2020 1:28:32 PM

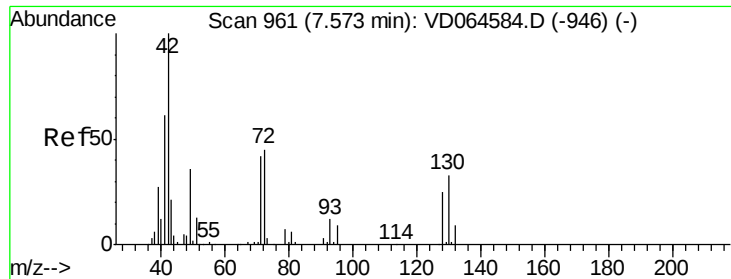


#28

Bromochloromethane
Concen: 22.765 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	4.8
130	80.6	65.0	97.6





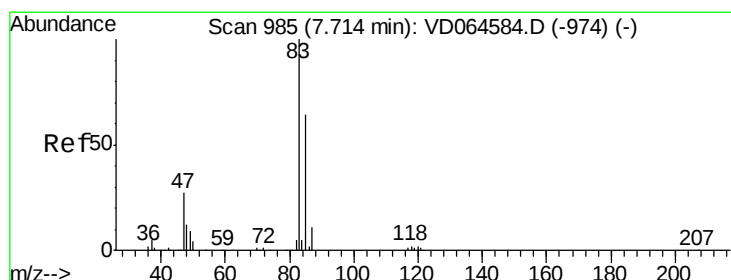
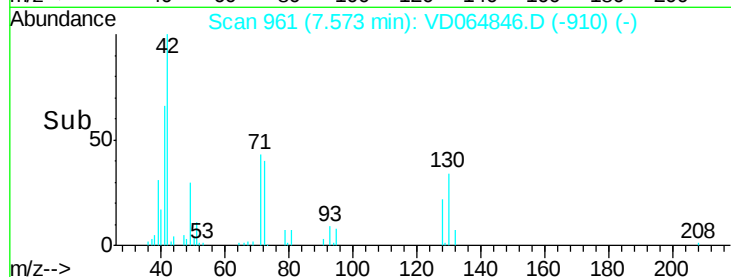
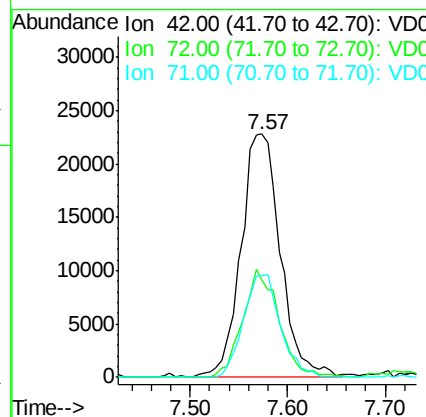
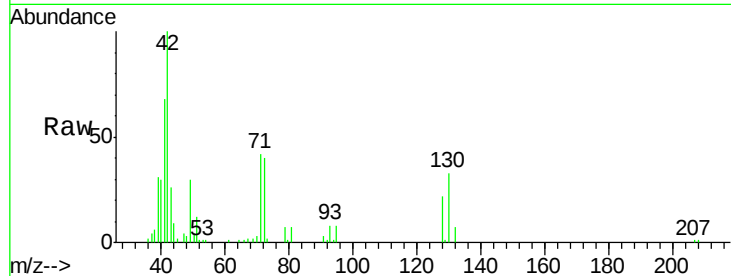
#29
Tetrahydrofuran
Concen: 117.803 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Instrument :
MSVOA_D
ClientSampleId :
VD0113SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.9	35.0	52.4
71	39.4	32.9	49.3

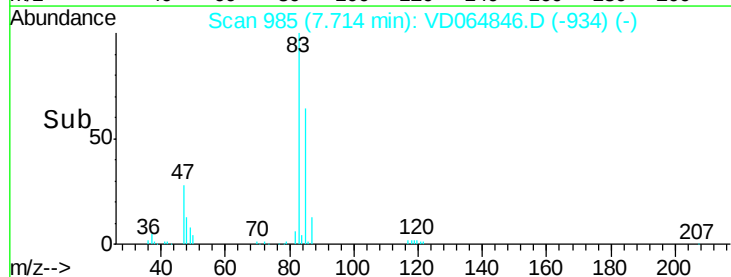
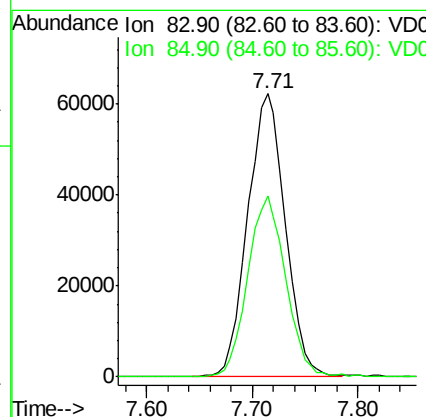
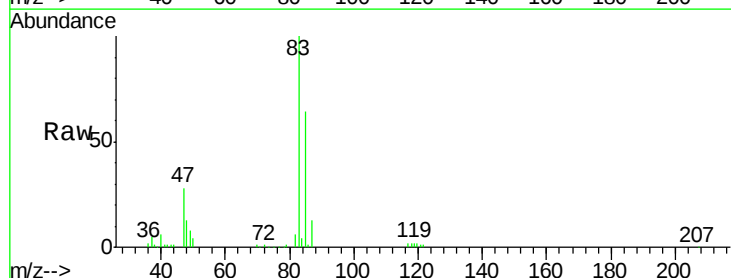
Manual Integrations
APPROVED

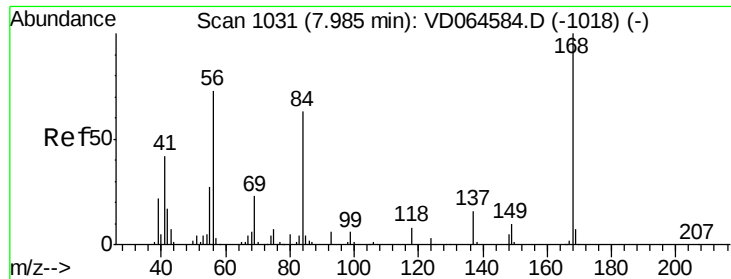
MMDadoda
1/14/2020 1:28:32 PM



#30
Chloroform
Concen: 24.705 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.1	76.7





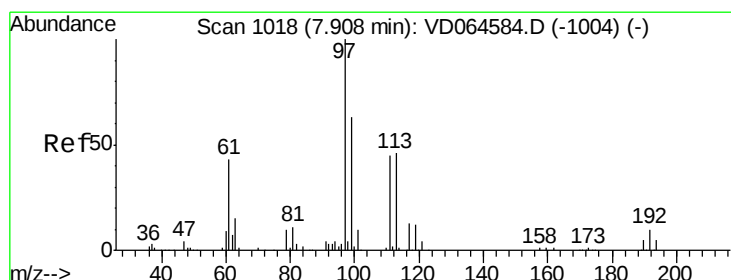
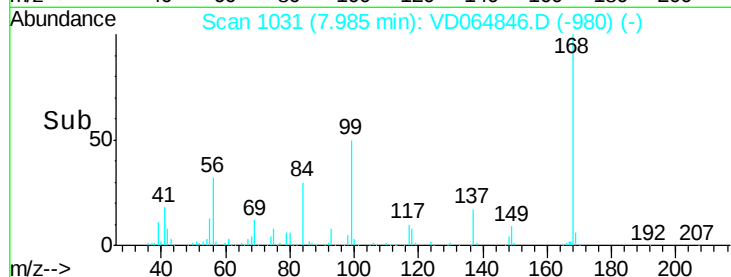
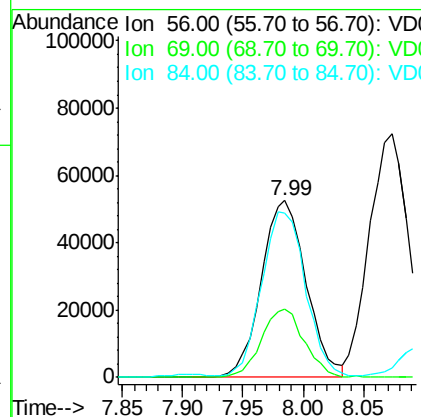
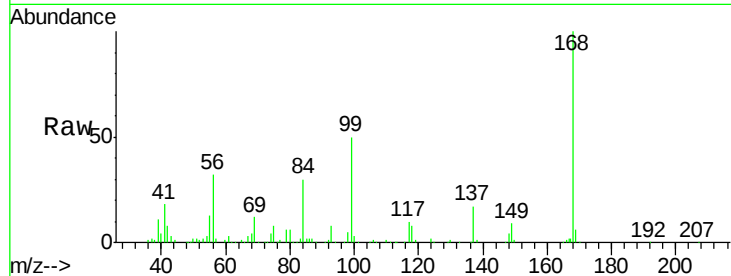
#31
Cyclohexane
Concen: 22.768 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Instrument :
MSVOA_D
ClientSampleId :
VD0113BSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.7	24.7	37.1#
84	91.5	69.4	104.2

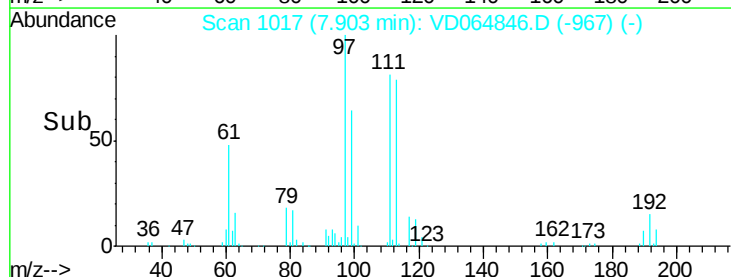
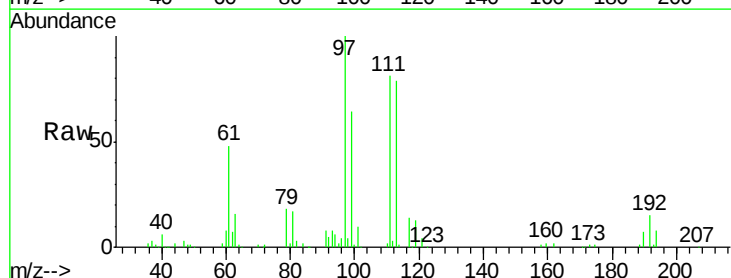
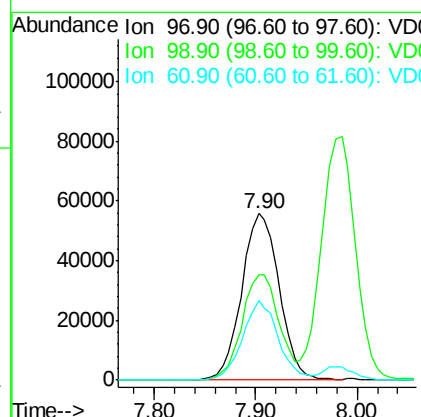
Manual Integrations
APPROVED

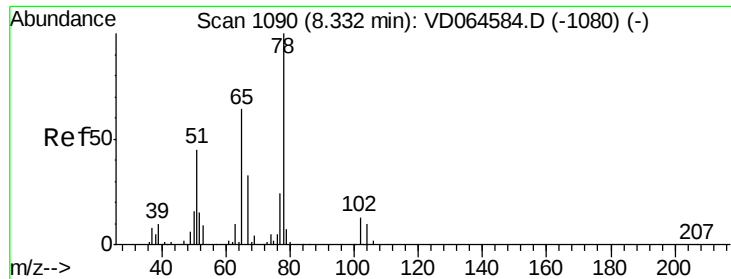
MMDadoda
1/14/2020 1:28:32 PM



#32
1,1,1-Trichloroethane
Concen: 24.468 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.5	51.0	76.6
61	45.4	35.4	53.0





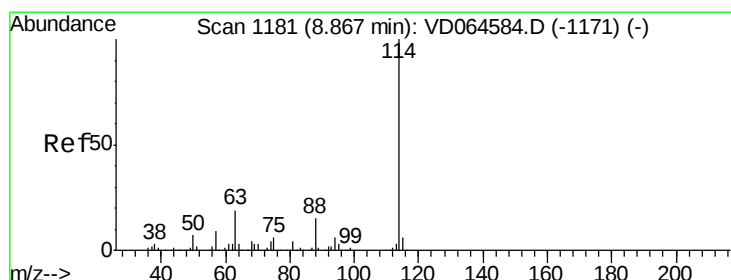
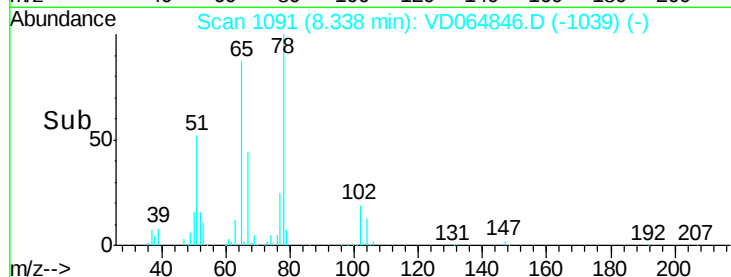
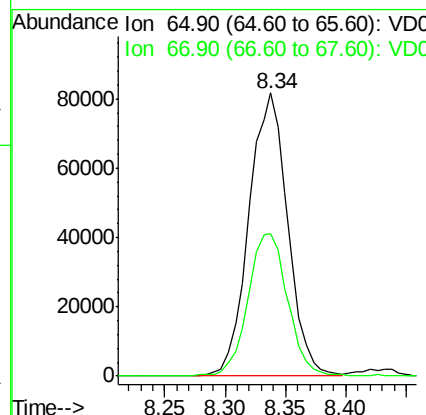
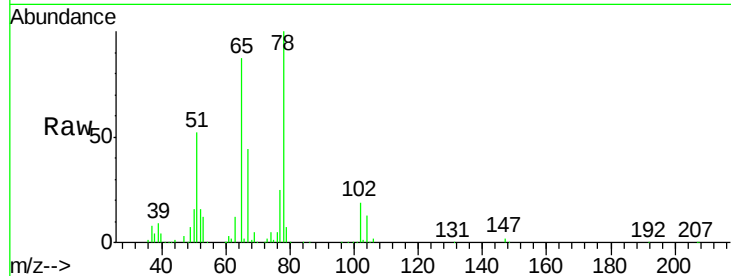
#33
 1,2-Dichloroethane-d4
 Concen: 57.417 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064846.D
 Acq: 13 Jan 2020 13:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113BSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.5	0.0	106.2	

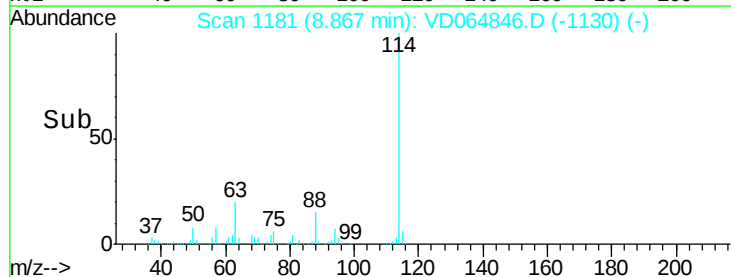
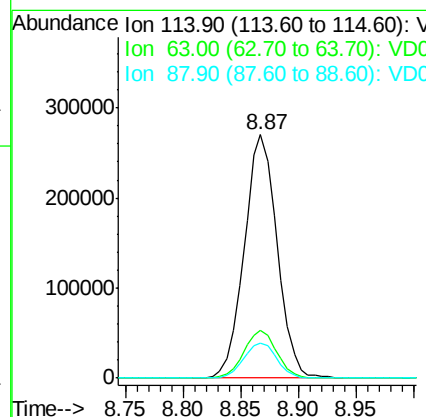
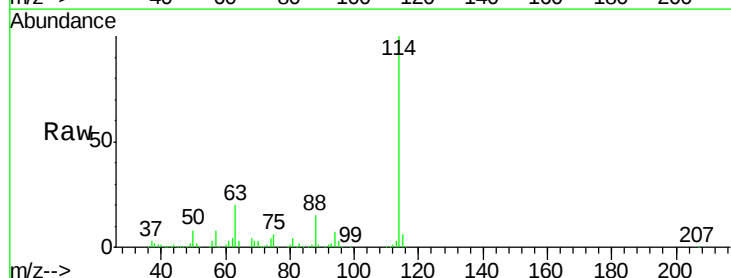
Manual Integrations
 APPROVED

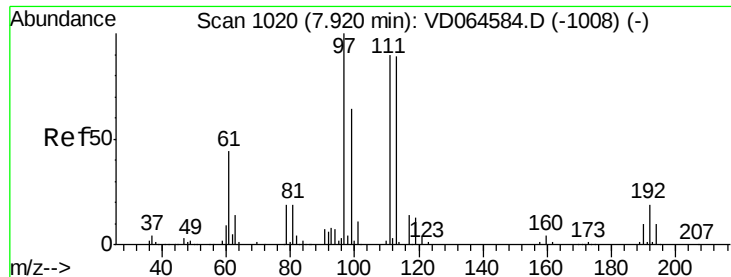
MMDadoda
 1/14/2020 1:28:32 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064846.D
 Acq: 13 Jan 2020 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.8	0.0	38.0	
88	14.6	0.0	29.2	





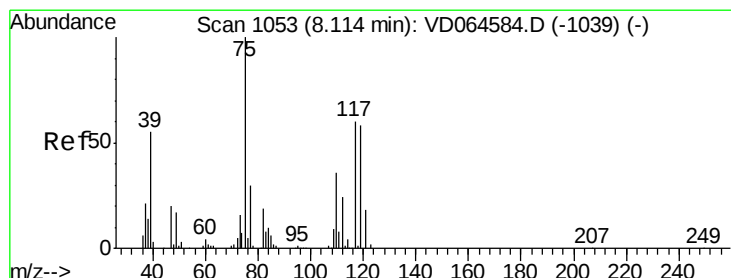
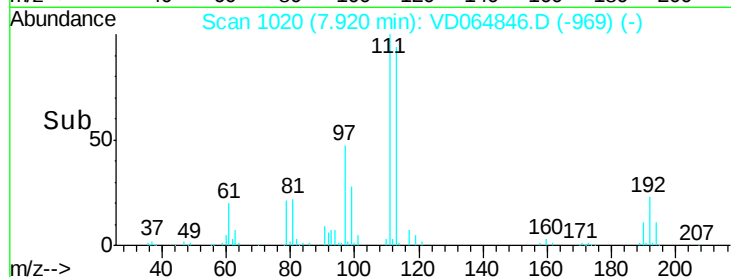
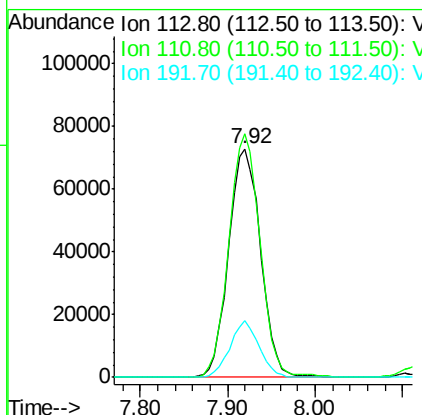
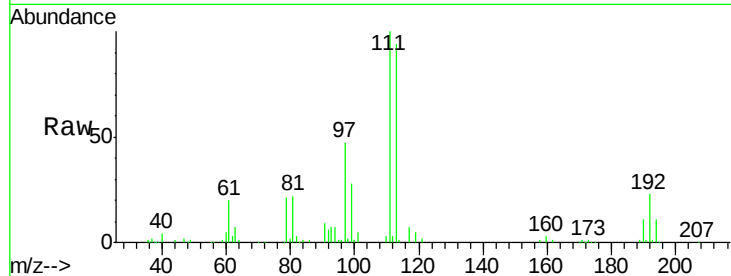
#35
 Dibromofluoromethane
 Concen: 55.122 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064846.D
 Acq: 13 Jan 2020 13:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	180802		
111	104.2	80.6	121.0	
192	22.5	17.9	26.9	

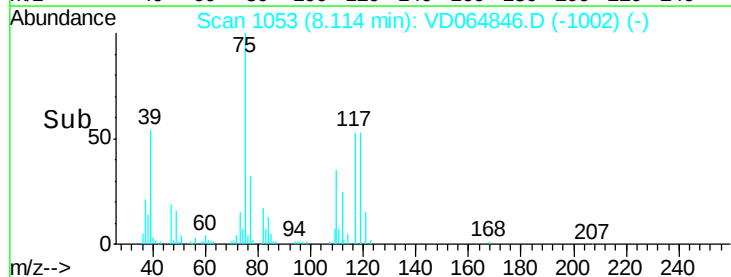
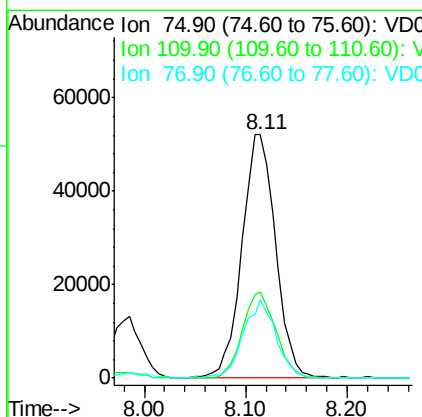
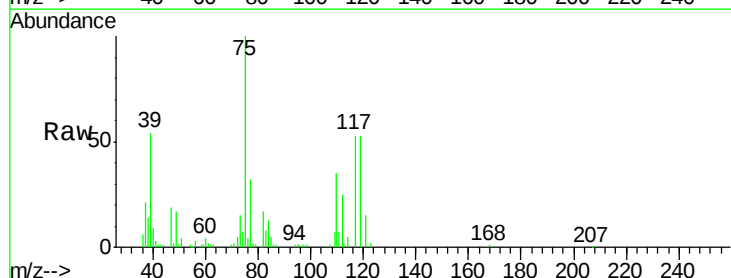
Manual Integrations
 APPROVED

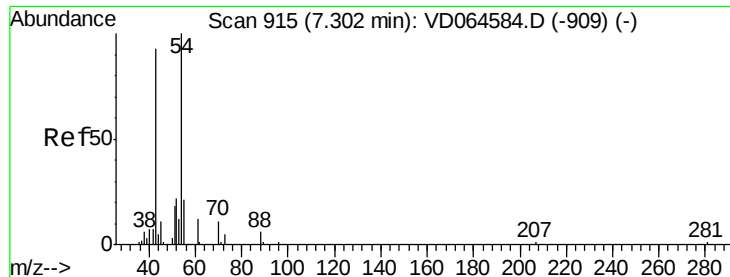
MMDadoda
 1/14/2020 1:28:32 PM



#36
 1,1-Dichloropropene
 Concen: 23.316 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064846.D
 Acq: 13 Jan 2020 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	119978		
110	35.0	18.1	54.1	
77	31.3	24.2	36.4	





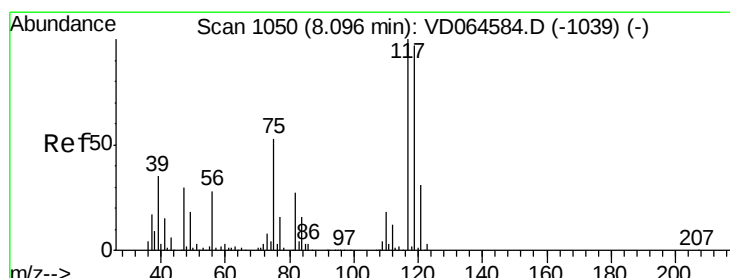
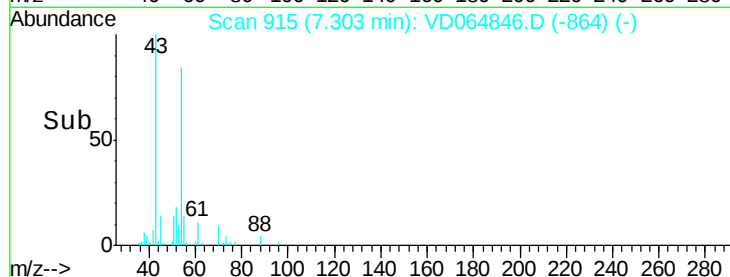
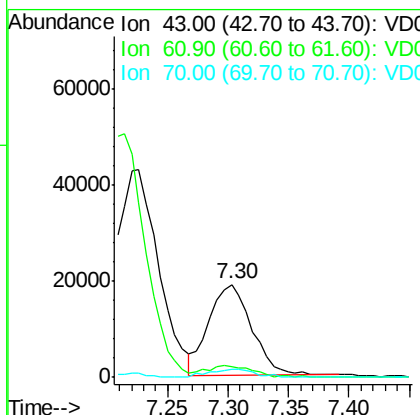
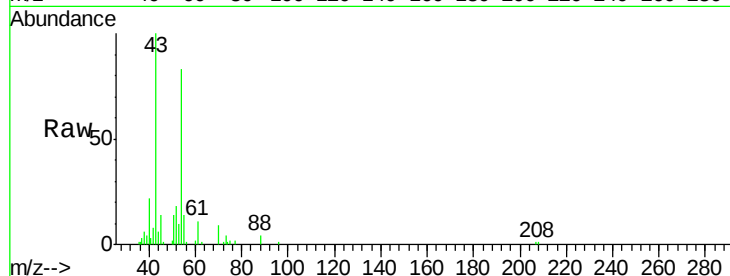
#37
Ethyl Acetate
Concen: 23.335 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Instrument :
MSVOA_D
ClientSampleId :
VD0113SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.3	15.5
70	9.4	7.6	11.4

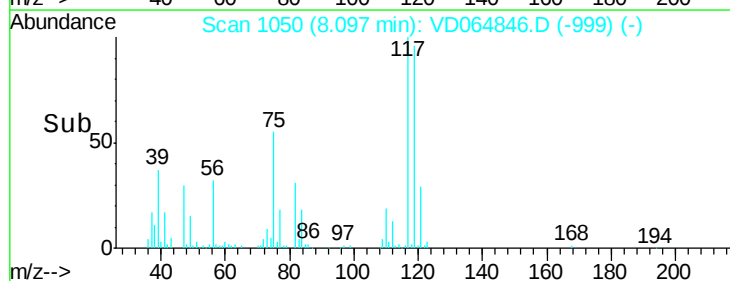
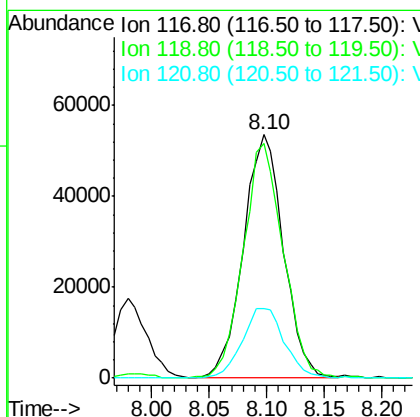
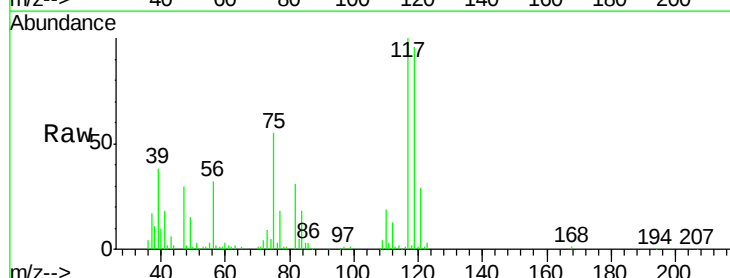
Manual Integrations
APPROVED

MMDadoda
1/14/2020 1:28:32 PM



#38
Carbon Tetrachloride
Concen: 23.641 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.3	115.9
121	28.8	25.0	37.6





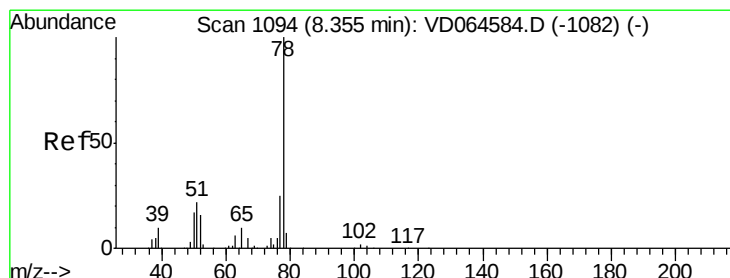
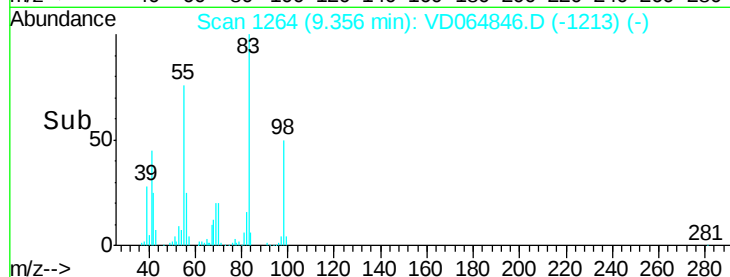
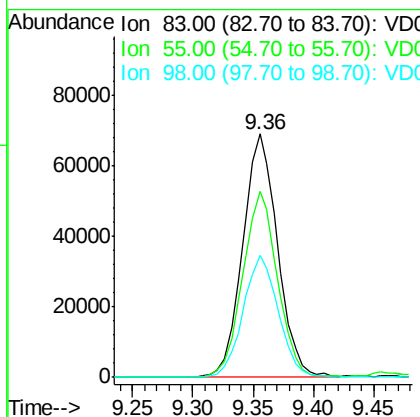
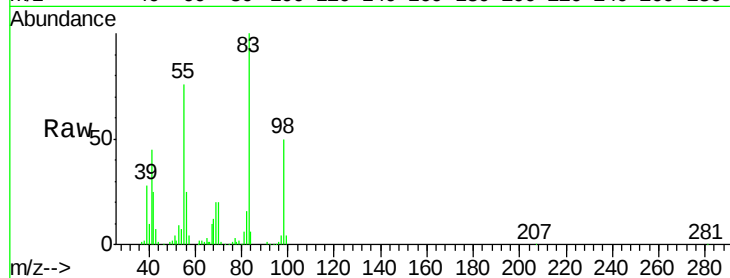
#39
Methvlcvclohexane
Concen: 22.256 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Instrument :
MSVOA_D
ClientSampleId :
VD0113BSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.4	57.8	86.6
98	50.1	38.7	58.1

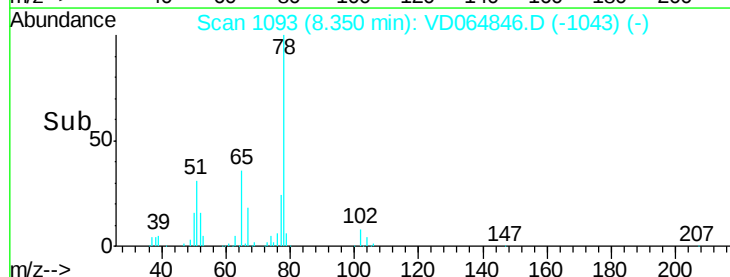
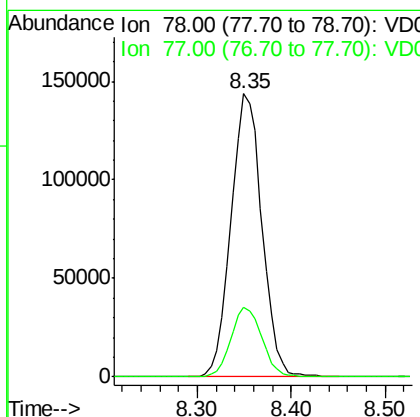
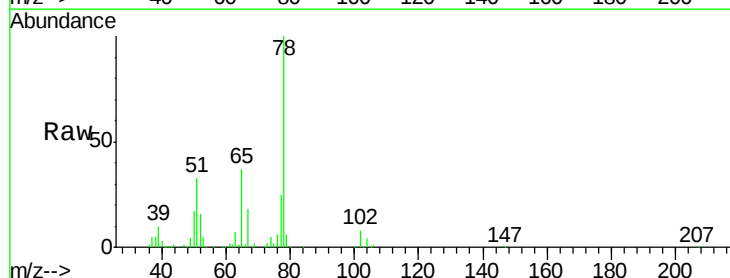
Manual Integrations
APPROVED

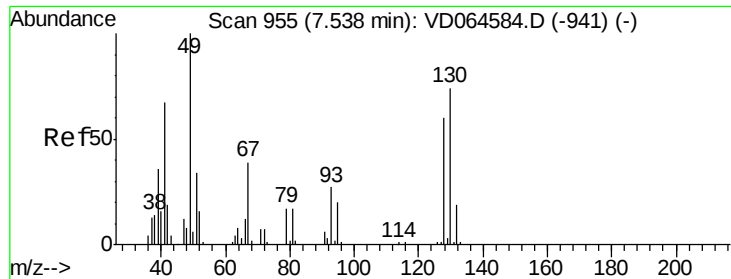
MMDadoda
1/14/2020 1:28:32 PM



#40
Benzene
Concen: 23.341 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.9	29.9





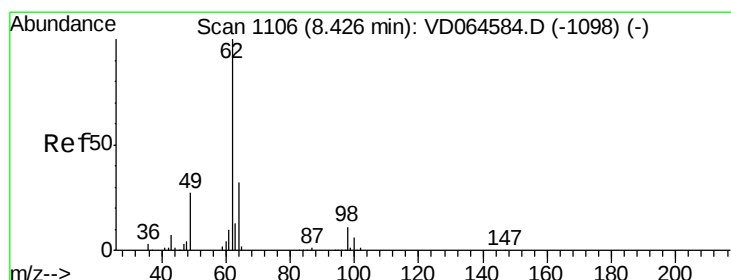
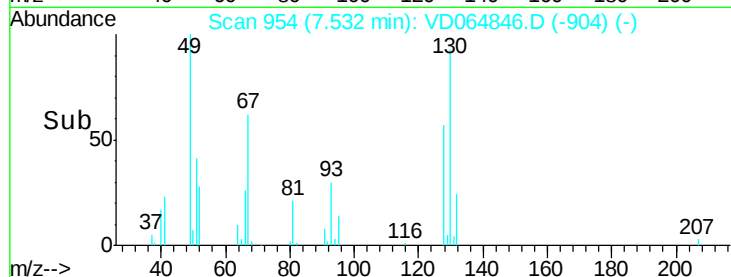
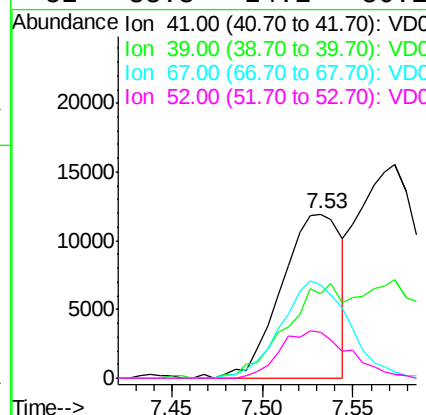
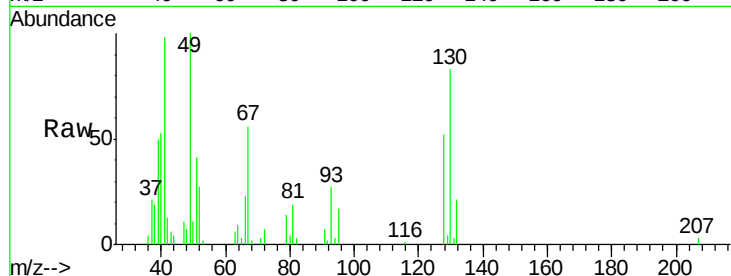
#41
Methacrylonitrile
Concen: 23.502 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.01 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Instrument :
MSVOA_D
ClientSampleId :
VD0113SBS01

Tot Ion	41	Resp	27565
Ion	Ratio	Lower	Upper
41	100		
39	60.9	46.7	70.1
67	67.5	52.5	78.7
52	33.3	24.1	36.1

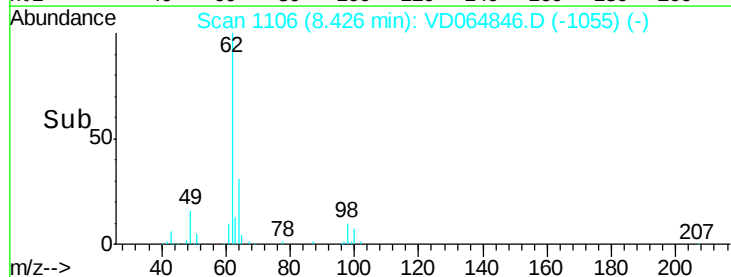
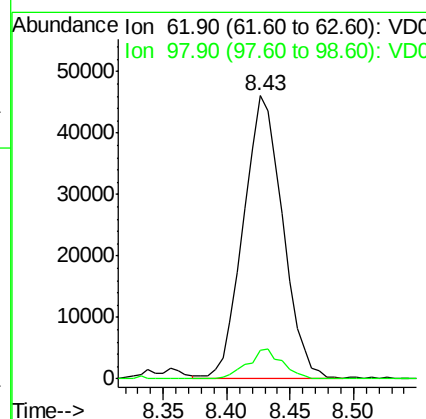
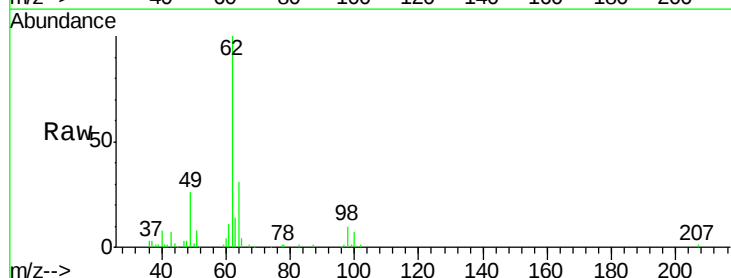
Manual Integrations
APPROVED

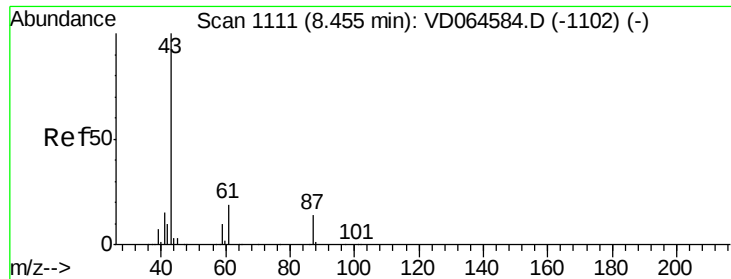
MMDadoda
1/14/2020 1:28:32 PM



#42
1,2-Dichloroethane
Concen: 24.648 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Tgt Ion	62	Resp	100053
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	20.0





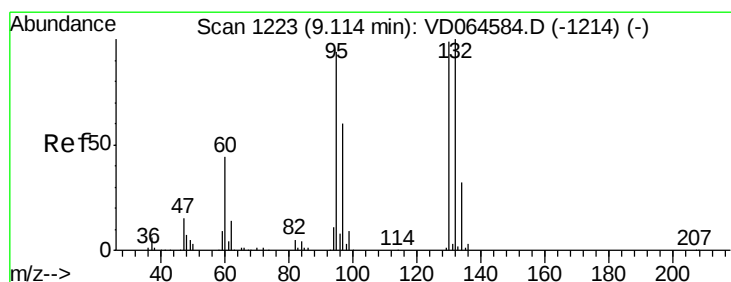
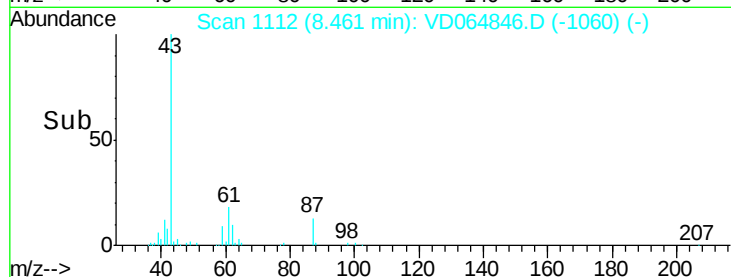
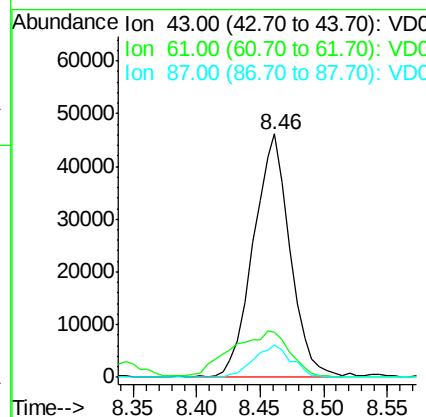
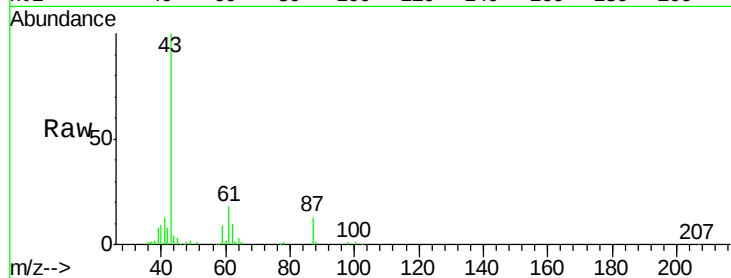
#43
Isopropyl Acetate
Concen: 23.137 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Instrument :
MSVOA_D
ClientSampleId :
VD0113SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.4	23.7	35.5
87	13.6	10.5	15.7

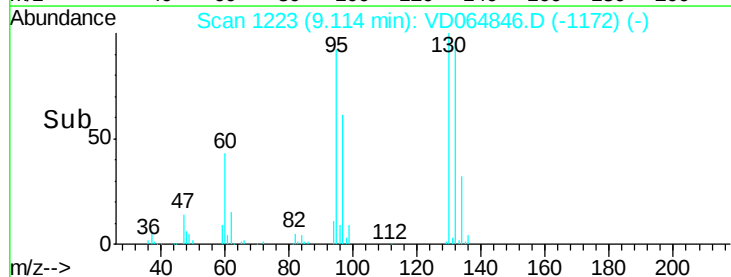
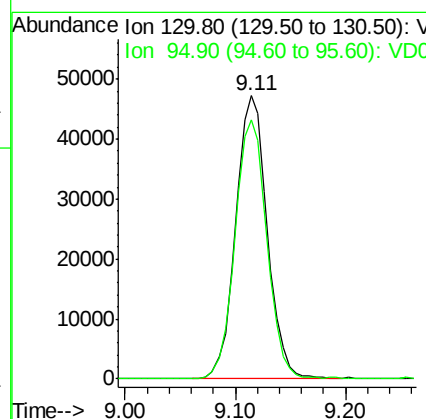
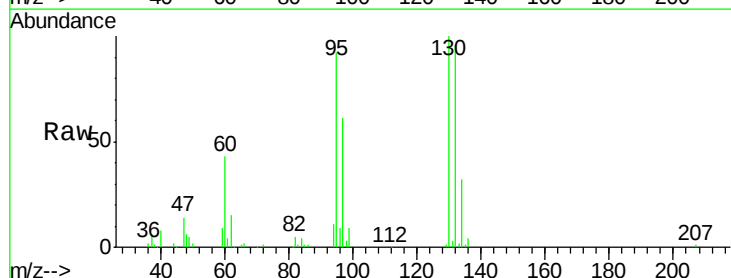
Manual Integrations
APPROVED

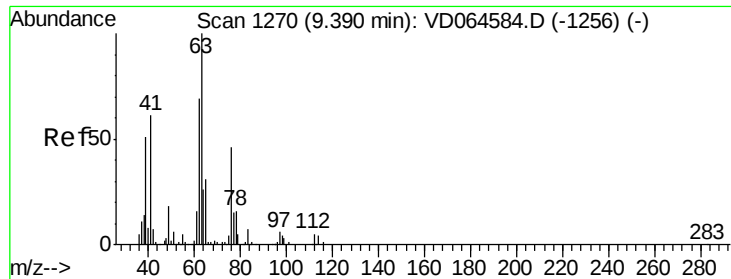
MMDadoda
1/14/2020 1:28:32 PM



#44
Trichloroethene
Concen: 22.899 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.5	0.0	190.2





#45

1,2-Dichloropropane

Concen: 23.389 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBSD01

Tot Ion: 63 Resp: 78448

Ion Ratio Lower Upper

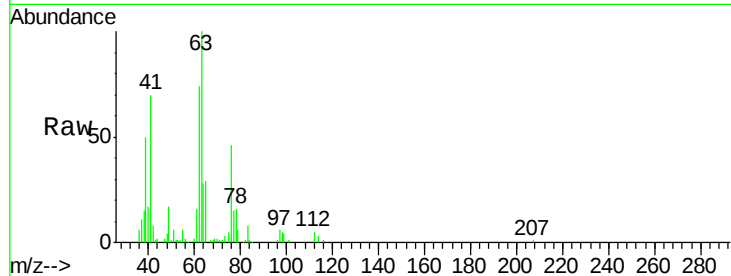
63 100

65 28.6 25.2 37.8

Manual Integrations
APPROVED

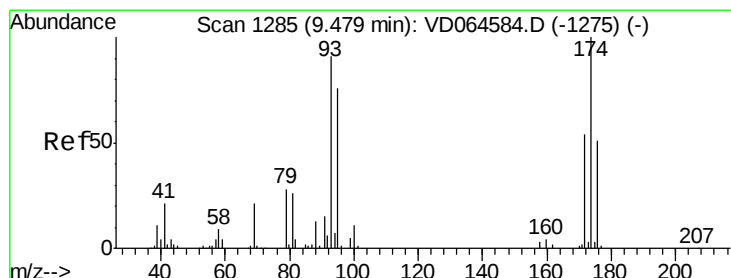
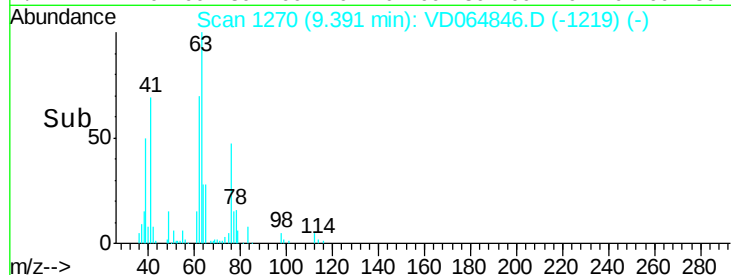
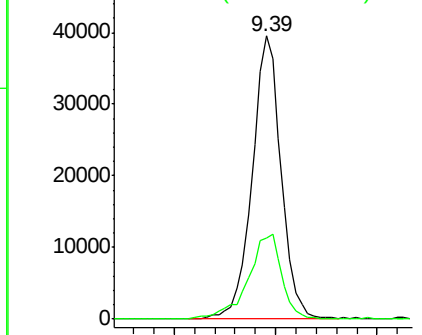
MMDadoda

1/14/2020 1:28:32 PM



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 23.474 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

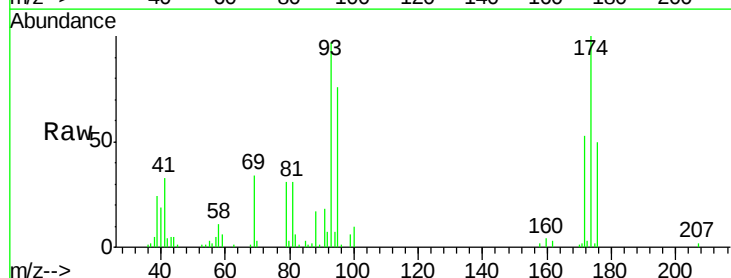
Tgt Ion: 93 Resp: 43896

Ion Ratio Lower Upper

93 100

95 81.3 64.6 97.0

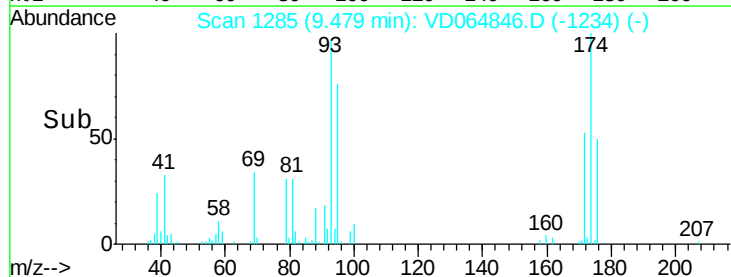
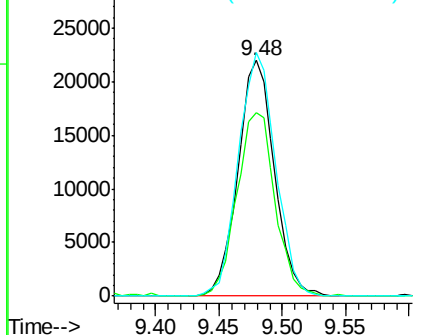
174 105.2 88.1 132.1

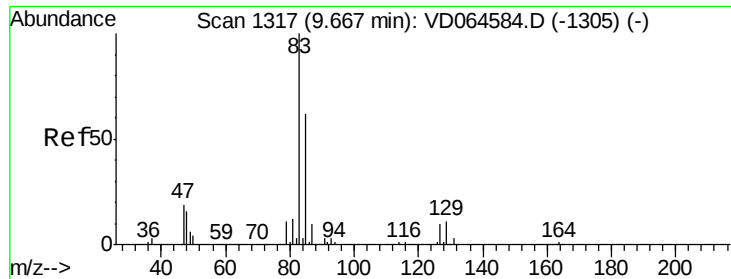


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





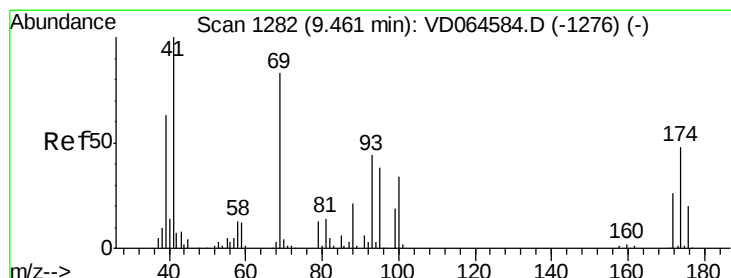
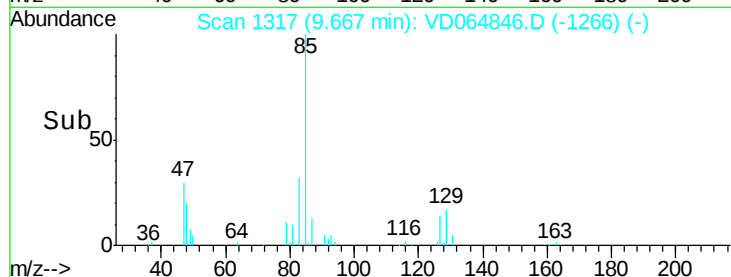
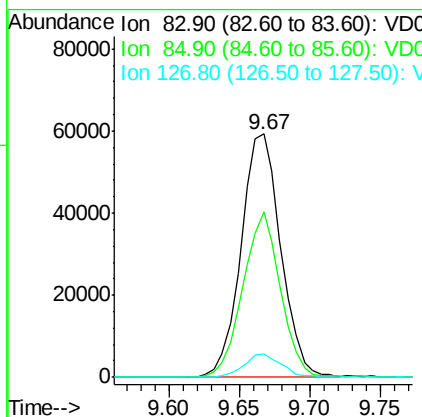
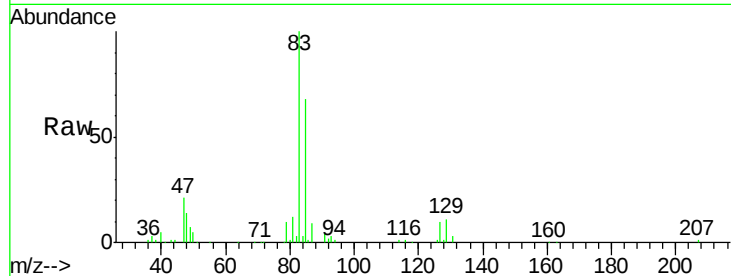
#47
Bromodichloromethane
Concen: 23.503 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Instrument :
MSVOA_D
ClientSampleId :
VD0113SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	68.1	49.5	74.3	
127	9.7	7.8	11.6	

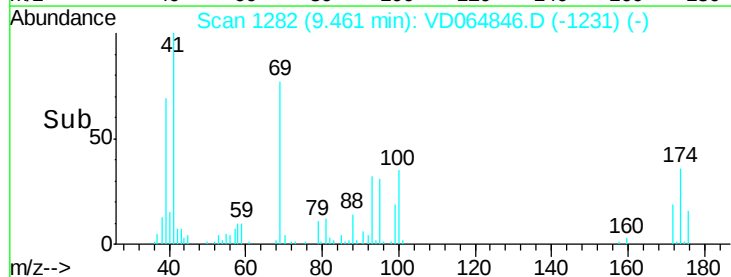
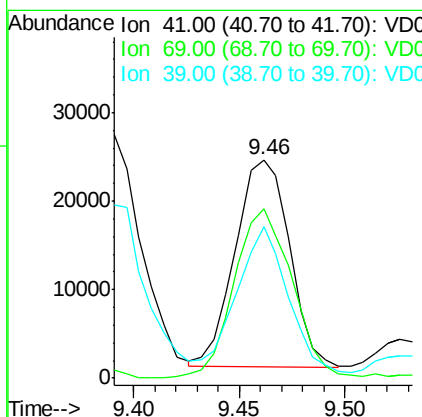
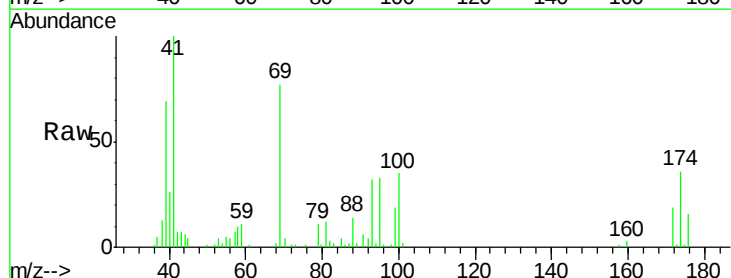
Manual Integrations
APPROVED

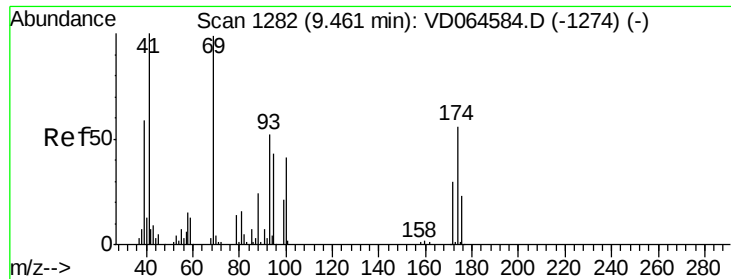
MMDadoda
1/14/2020 1:28:32 PM



#48
Methyl methacrylate
Concen: 22.150 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	87.2	63.0	94.6	
39	73.1	47.4	71.2	





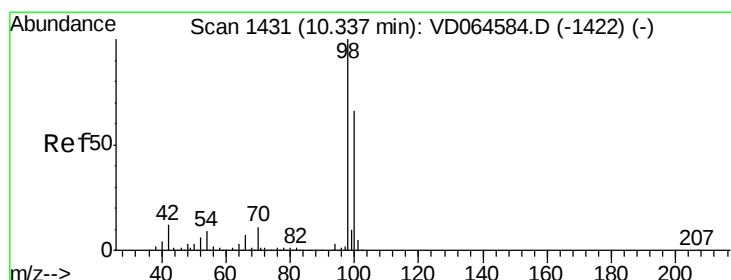
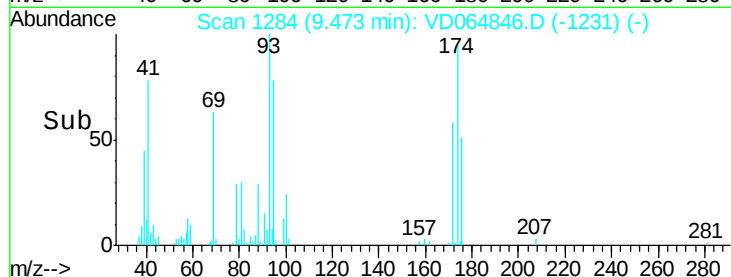
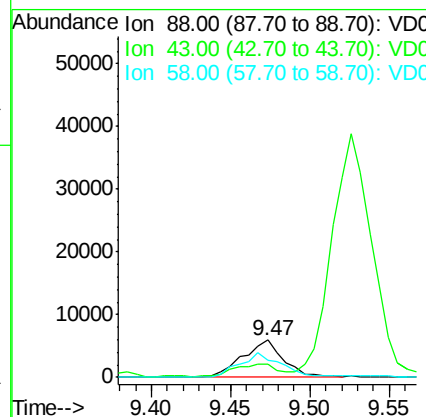
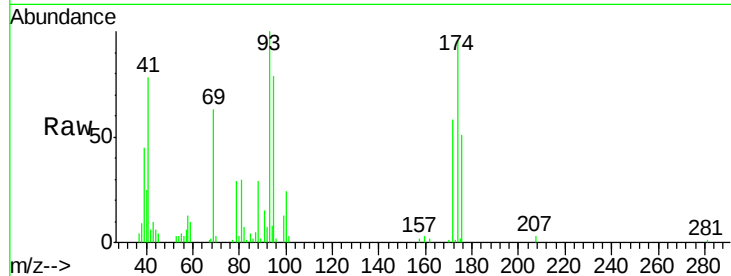
#49
1,4-Dioxane
Concen: 490.539 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Instrument :
MSVOA_D
ClientSampleId :
VD0113BSD01

Tot Ion	88	Resp	10577
Ion	Ratio	Lower	Upper
88	100		
43	38.8	27.7	41.5
58	65.5	53.8	80.6

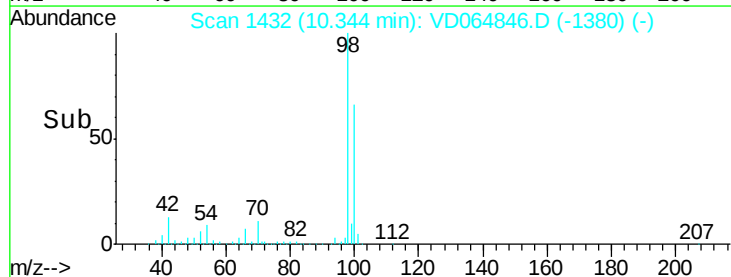
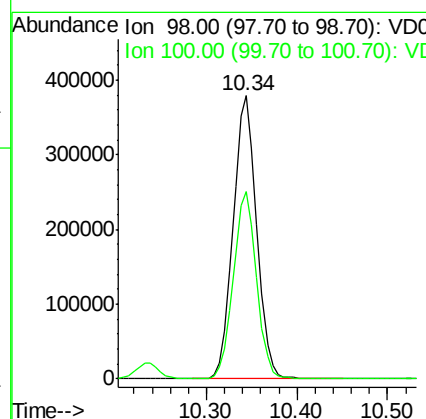
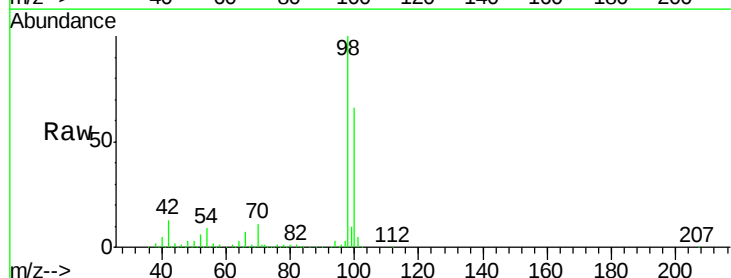
Manual Integrations
APPROVED

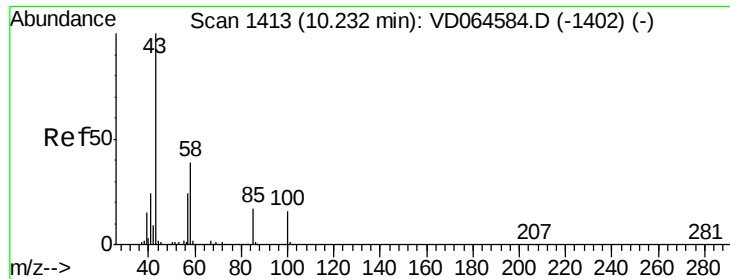
MMDadoda
1/14/2020 1:28:32 PM



#50
Toluene-d8
Concen: 54.475 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Tgt Ion	98	Resp	684323
Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 115.738 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBS01

Tot Ion: 43 Resp: 230181

Ion Ratio Lower Upper

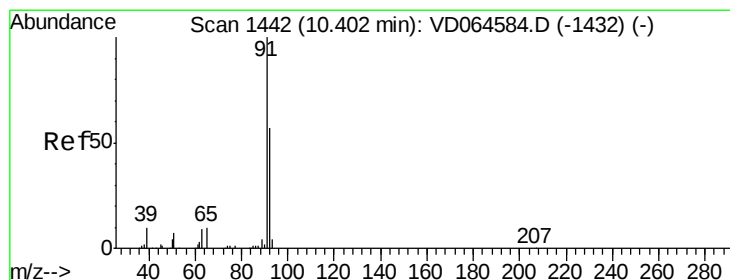
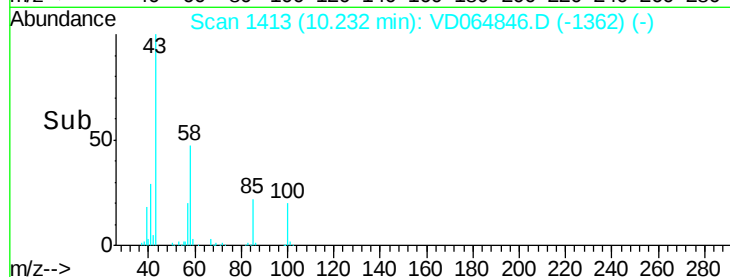
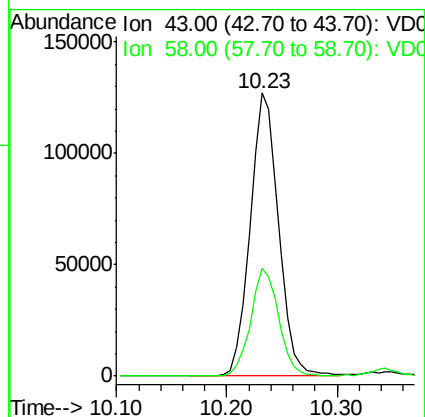
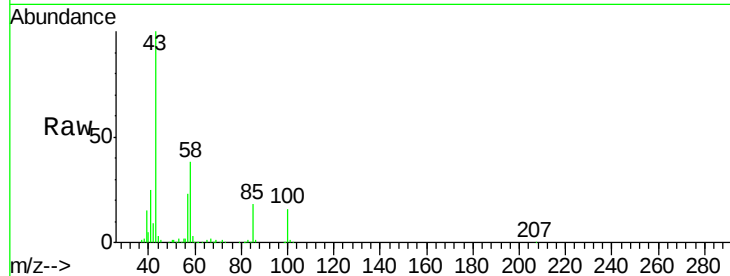
43 100

58 37.6 30.2 45.2

Manual Integrations
APPROVED

MMDadoda

1/14/2020 1:28:32 PM



#52

Toluene

Concen: 22.750 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD064846.D

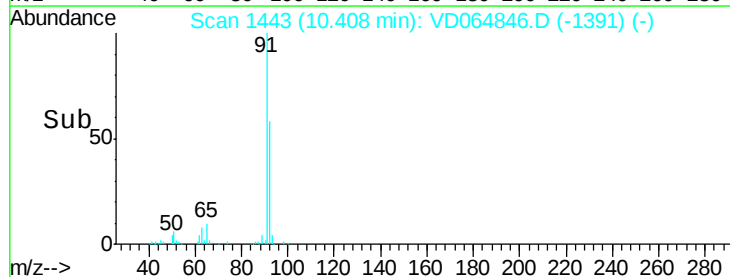
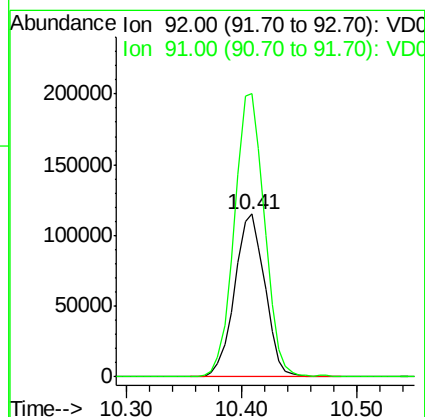
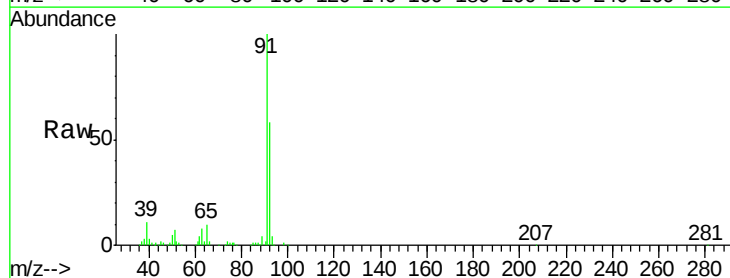
Acq: 13 Jan 2020 13:39

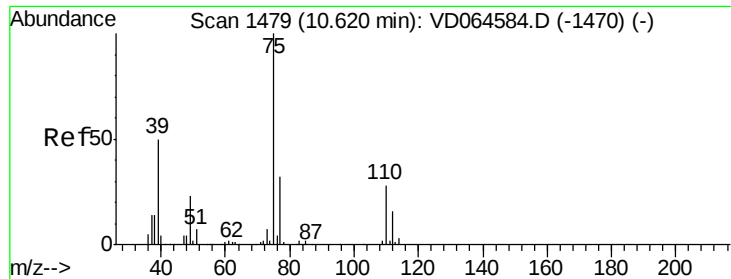
Tgt Ion: 92 Resp: 209672

Ion Ratio Lower Upper

92 100

91 173.5 138.7 208.1





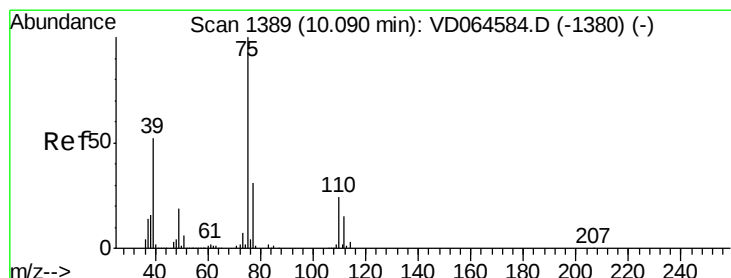
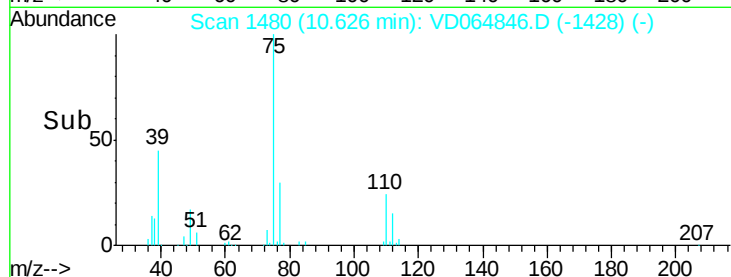
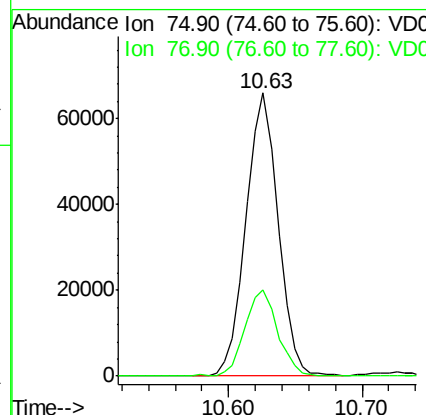
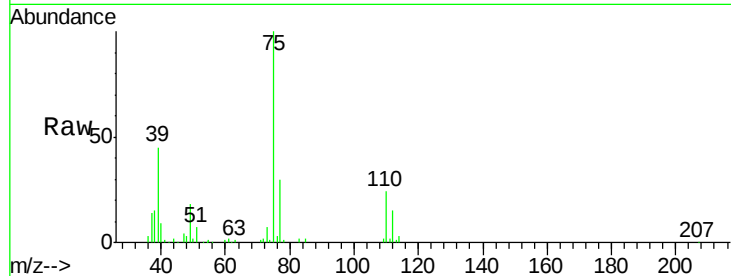
#53
t-1,3-Dichloropropene
Concen: 23.683 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Instrument :
MSVOA_D
ClientSampleId :
VD0113SBSD01

Tot Ion: 75 Resp: 109867
Ion Ratio Lower Upper
75 100
77 30.3 25.4 38.2

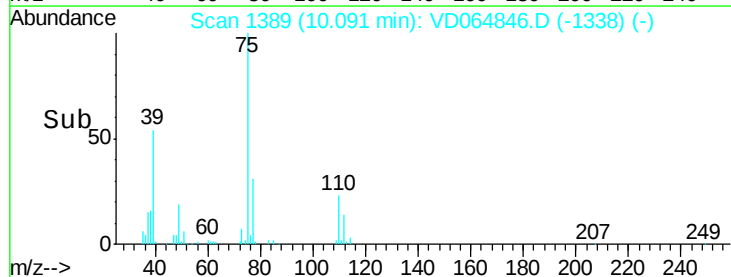
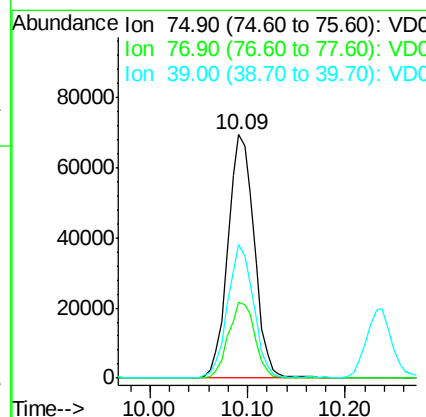
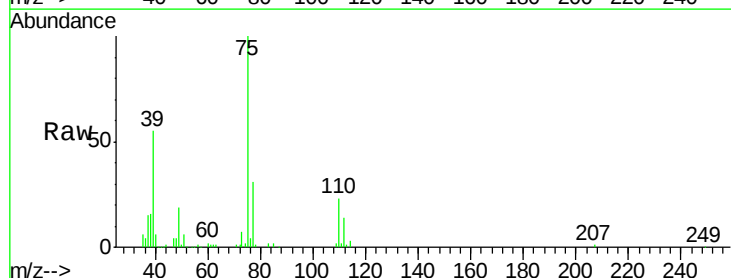
Manual Integrations
APPROVED

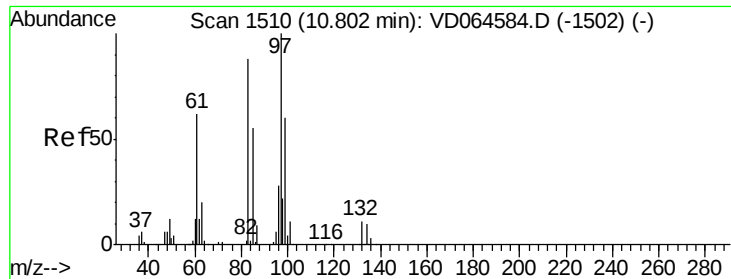
MMDadoda
1/14/2020 1:28:32 PM



#54
cis-1,3-Dichloropropene
Concen: 23.790 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Tgt Ion: 75 Resp: 130136
Ion Ratio Lower Upper
75 100
77 31.1 24.6 36.8
39 54.7 41.4 62.2





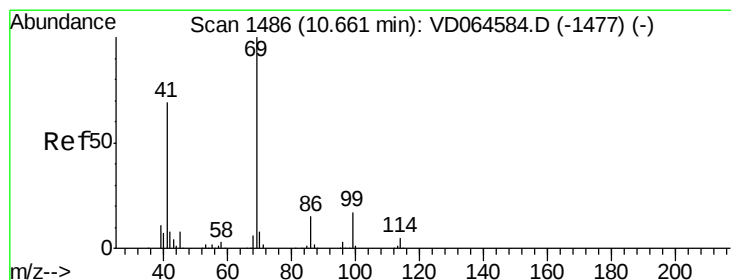
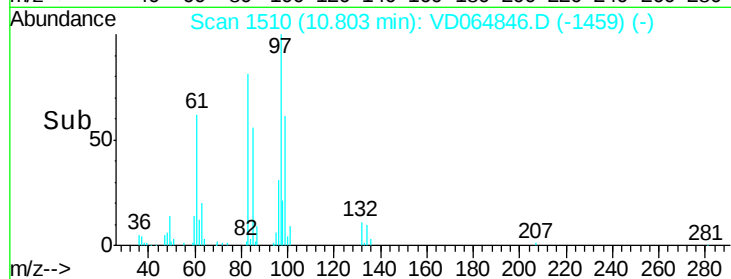
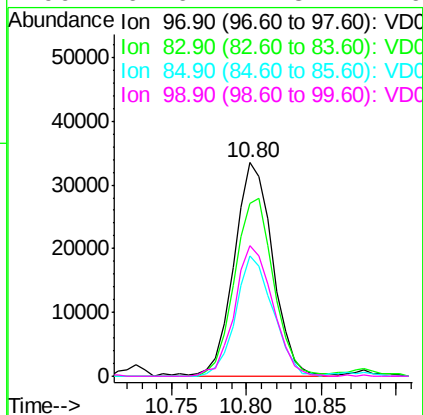
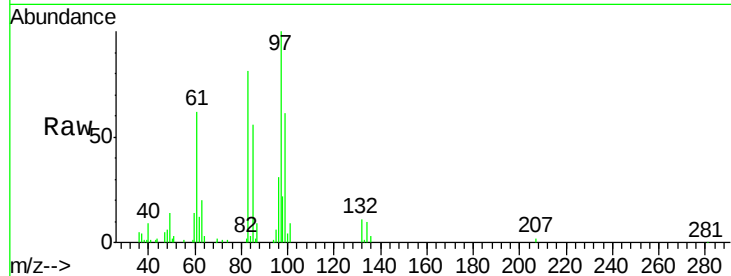
#55
 1,1,2-Trichloroethane
 Concen: 23.851 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064846.D
 Acq: 13 Jan 2020 13:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113BSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		60106		
83	81.2	70.2	105.4		
85	56.4	44.0	66.0		
99	61.6	47.8	71.6		

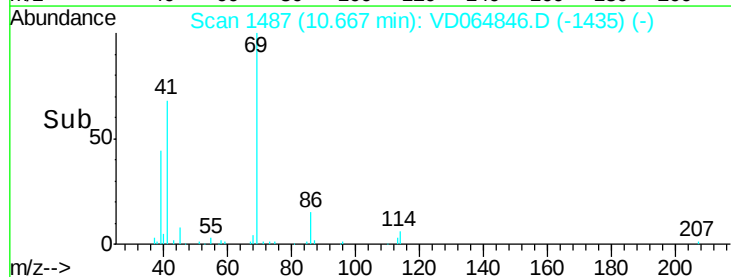
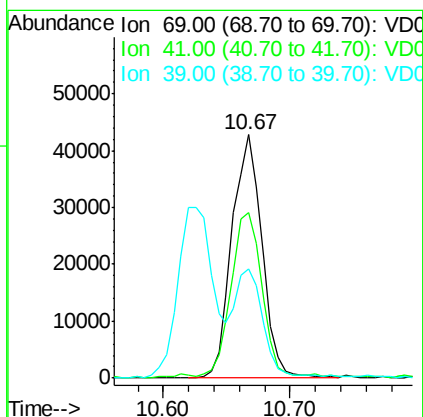
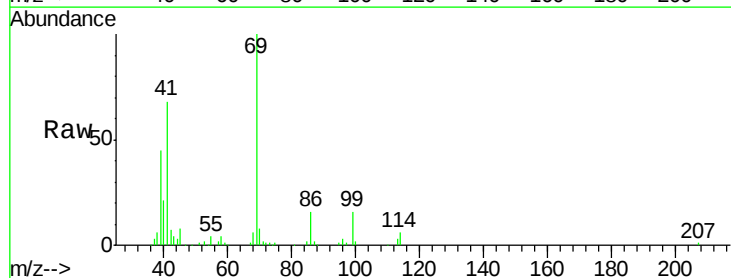
Manual Integrations
 APPROVED

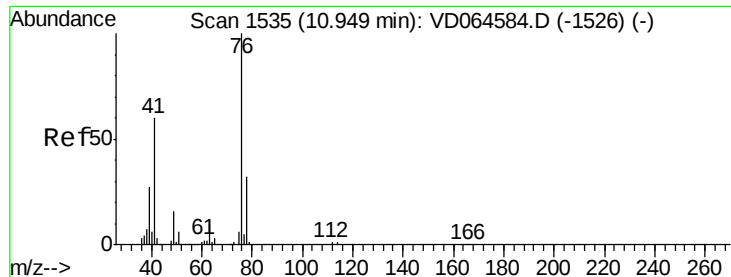
MMDadoda
 1/14/2020 1:28:32 PM



#56
 Ethyl methacrylate
 Concen: 22.321 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064846.D
 Acq: 13 Jan 2020 13:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		70251		
41	67.3	55.3	82.9		
39	41.7	33.8	50.8		





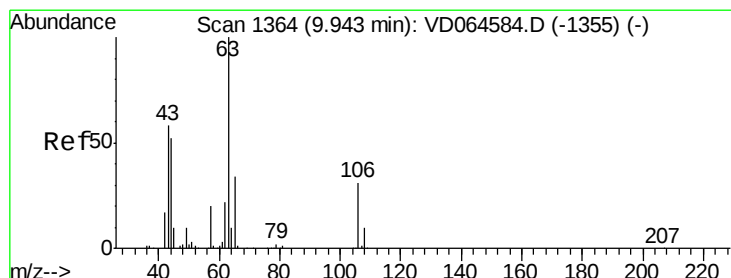
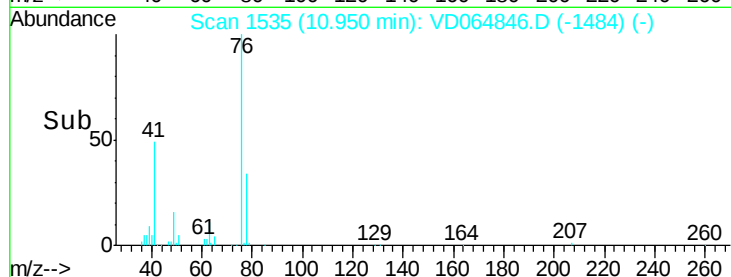
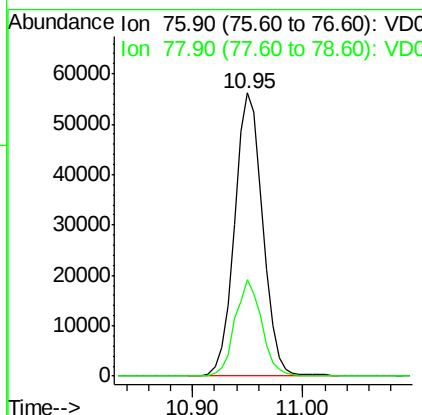
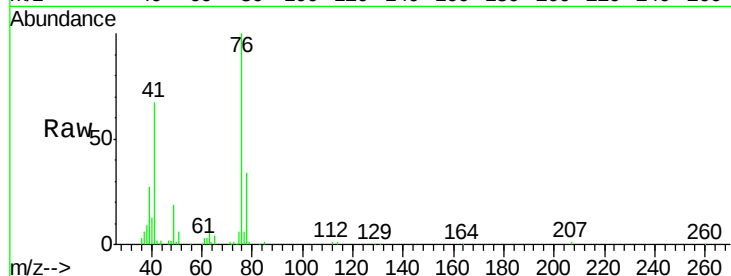
#57
 1,3-Dichloropropane
 Concen: 23.172 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064846.D
 Acq: 13 Jan 2020 13:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113BSD01

Tot Ion: 76 Resp: 100548
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.2 39.4

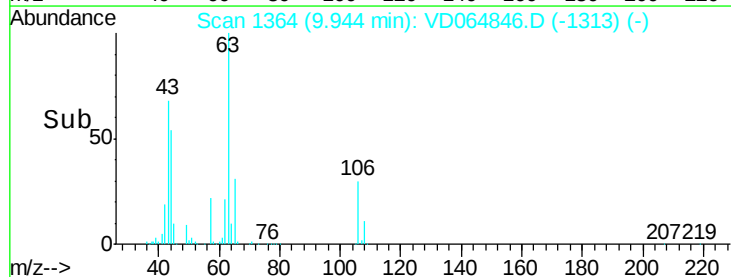
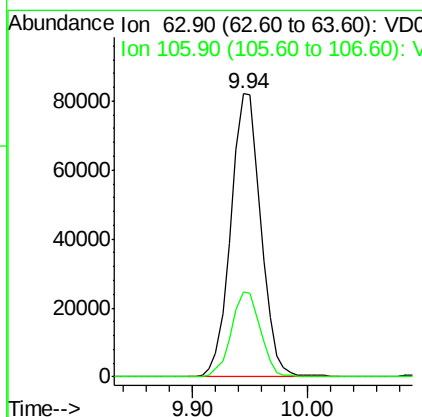
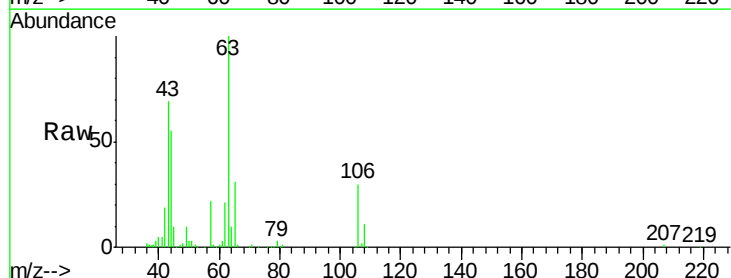
Manual Integrations
 APPROVED

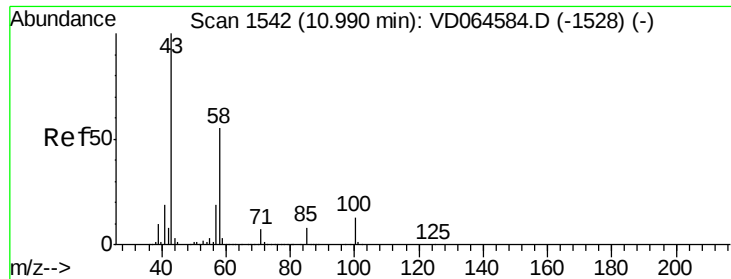
MMDadoda
 1/14/2020 1:28:32 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 123.737 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064846.D
 Acq: 13 Jan 2020 13:39

Tgt Ion: 63 Resp: 148372
 Ion Ratio Lower Upper
 63 100
 106 29.2 23.8 35.8





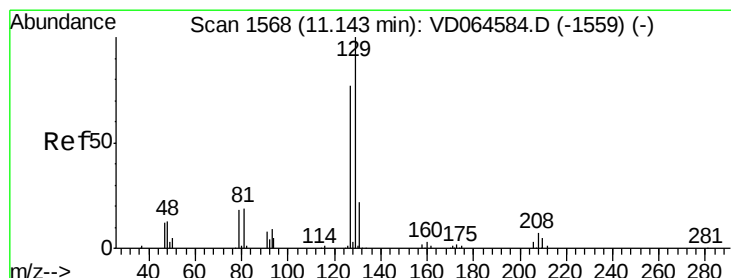
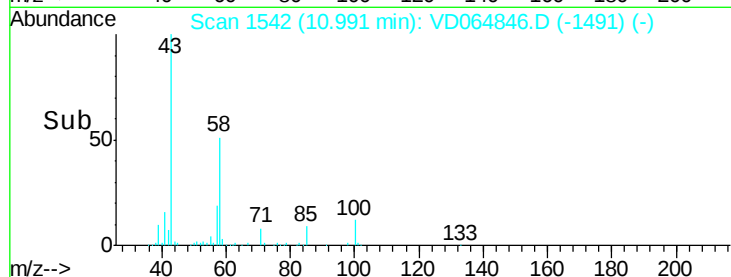
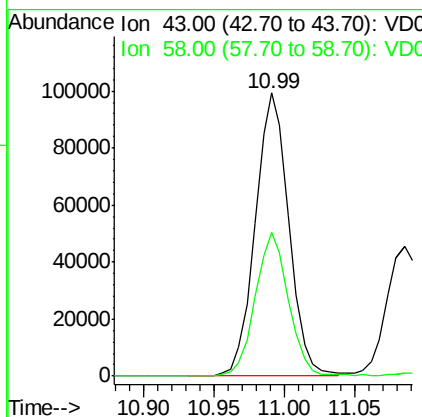
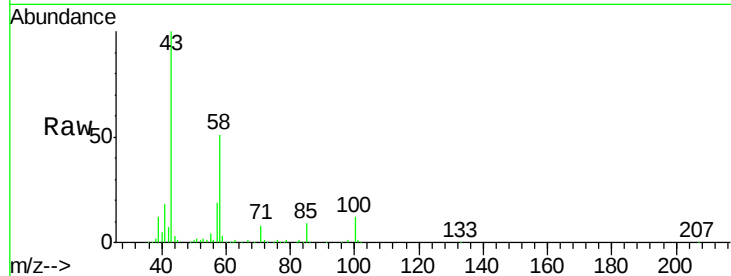
#59
2-Hexanone
Concen: 122.738 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Instrument :
MSVOA_D
ClientSampleId :
VD0113BSD01

Tot Ion: 43 Resp: 165678
Ion Ratio Lower Upper
43 100
58 50.2 26.4 79.0

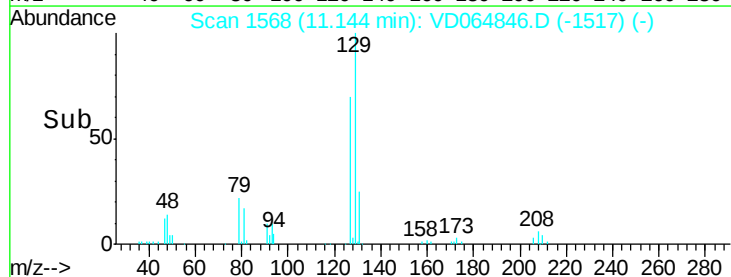
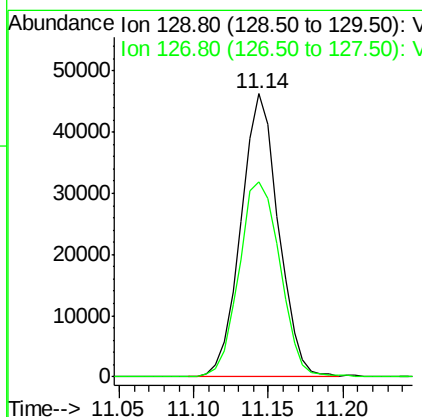
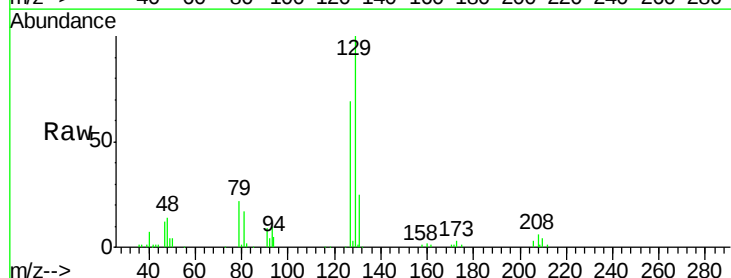
Manual Integrations
APPROVED

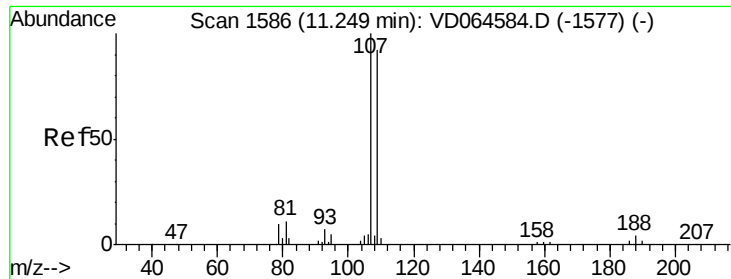
MMDadoda
1/14/2020 1:28:32 PM



#60
Dibromochloromethane
Concen: 23.069 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Tgt Ion: 129 Resp: 80393
Ion Ratio Lower Upper
129 100
127 75.7 38.4 115.2





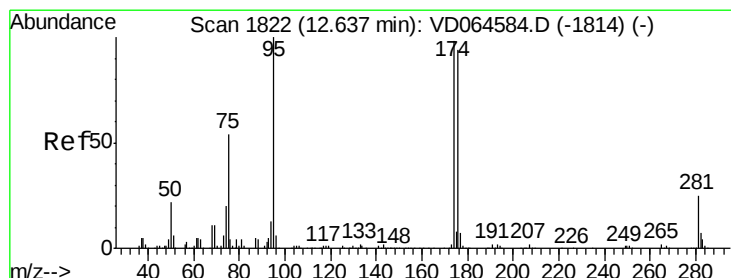
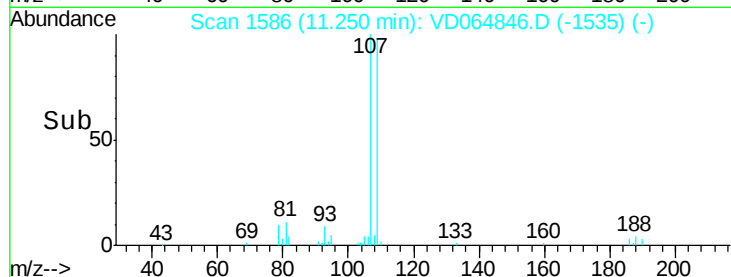
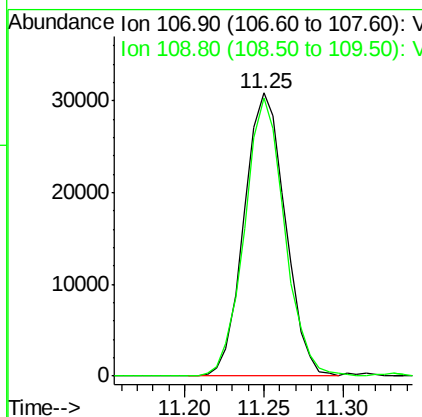
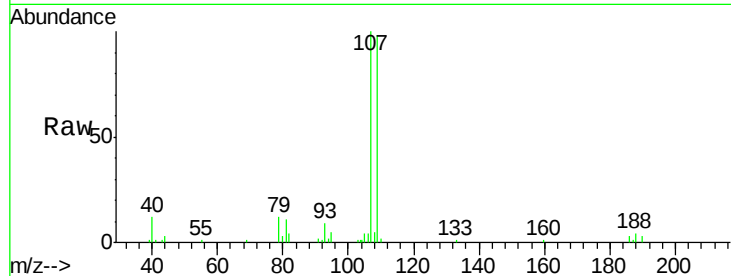
#61
 1,2-Dibromoethane
 Concen: 22.415 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064846.D
 Acq: 13 Jan 2020 13:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113BSD01

Tot Ion: 107 Resp: 55716
 Ion Ratio Lower Upper
 107 100
 109 96.0 75.6 113.4

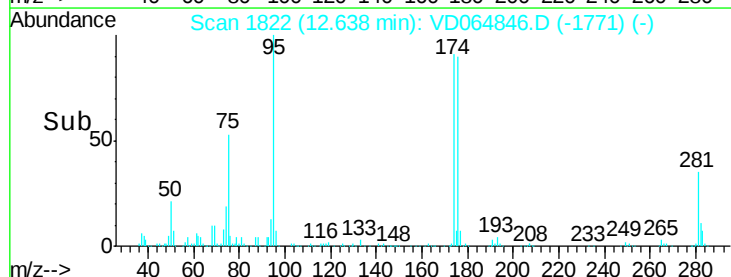
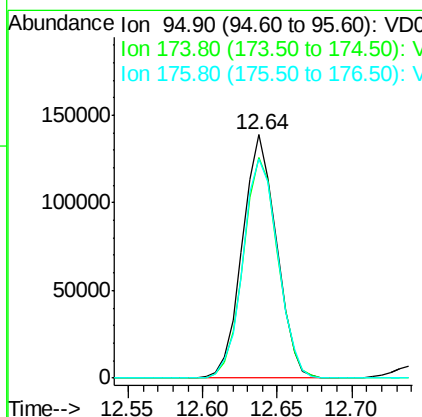
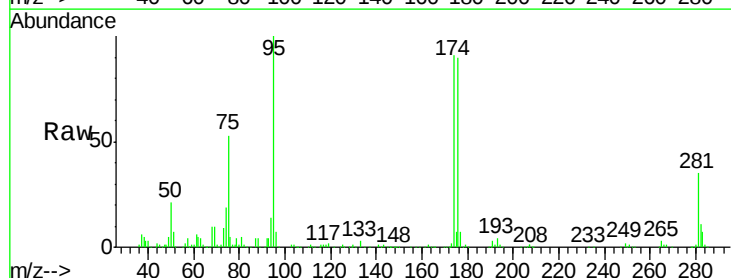
Manual Integrations
 APPROVED

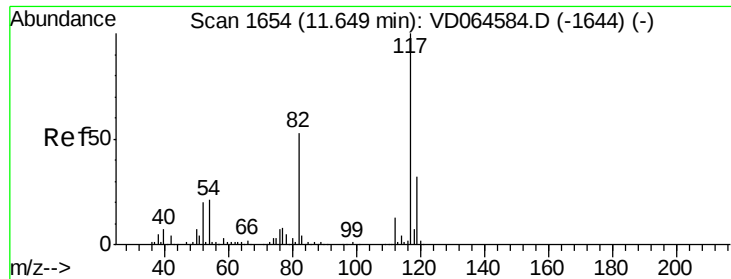
MMDadoda
 1/14/2020 1:28:32 PM



#62
 4-Bromofluorobenzene
 Concen: 55.427 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064846.D
 Acq: 13 Jan 2020 13:39

Tgt Ion: 95 Resp: 220170
 Ion Ratio Lower Upper
 95 100
 174 91.4 0.0 193.2
 176 92.0 0.0 184.2





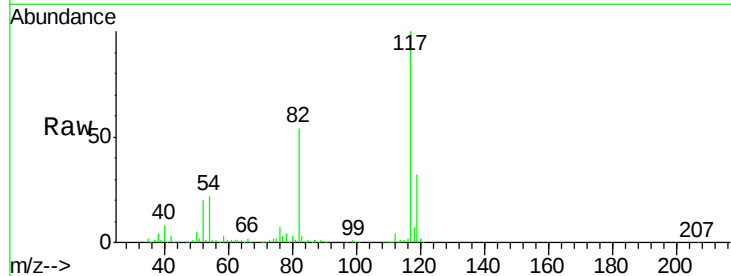
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Instrument :
MSVOA_D
ClientSampleId :
VD0113SBS01

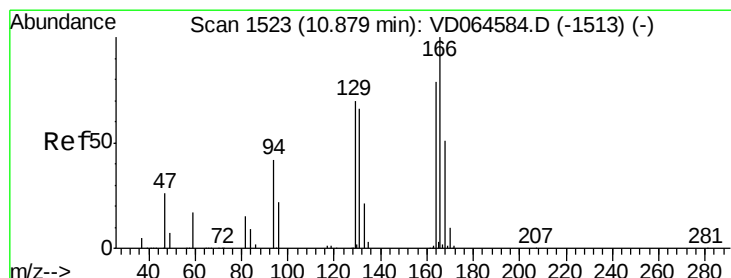
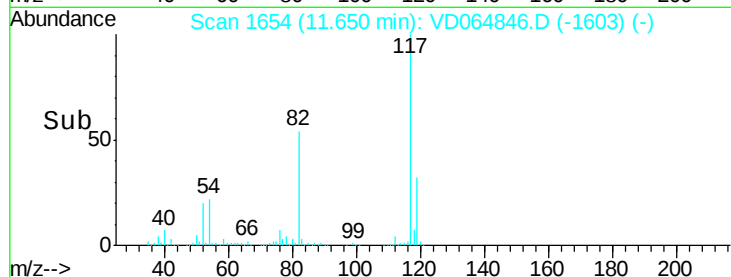
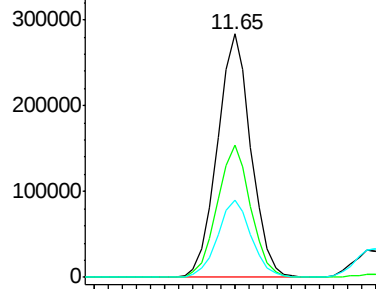
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	42.2	63.4
119	31.8	26.0	39.0

Manual Integrations
APPROVED

MMDadoda
1/14/2020 1:28:32 PM



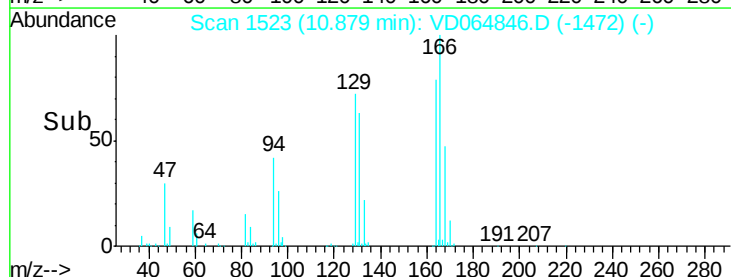
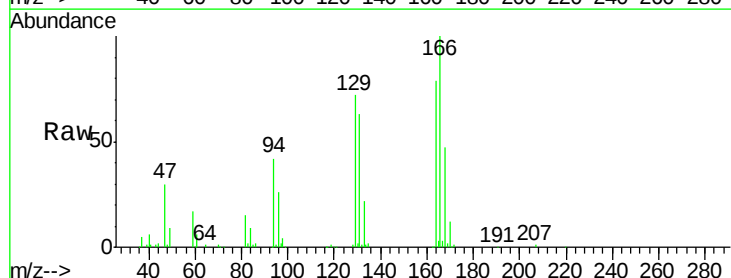
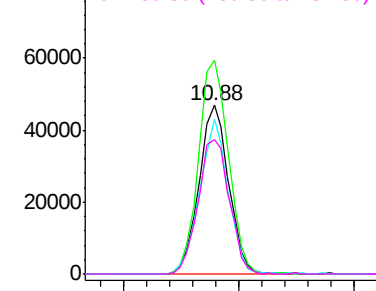
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

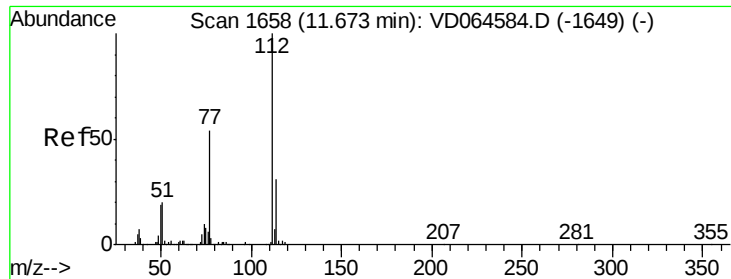


#64
Tetrachloroethene
Concen: 22.930 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.6	101.3	151.9
129	91.5	70.5	105.7
131	79.4	66.6	99.8

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 22.508 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0113BSD01

Tot Ion:112 Resp: 221239

Ion Ratio Lower Upper

112 100

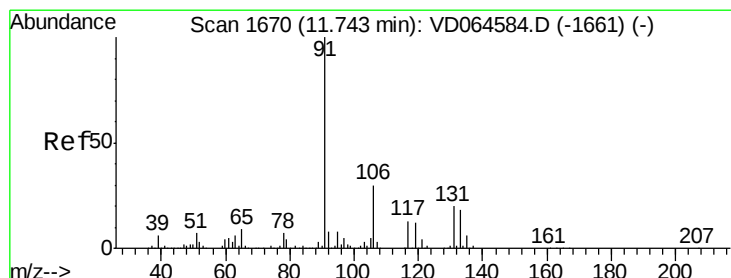
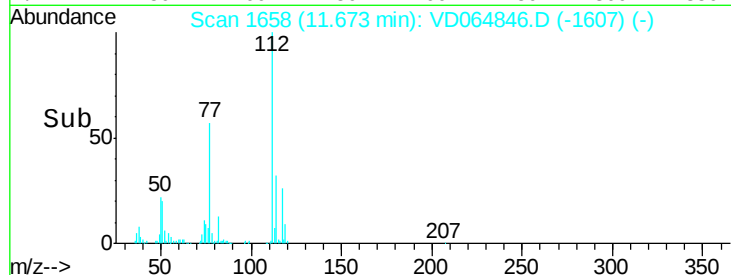
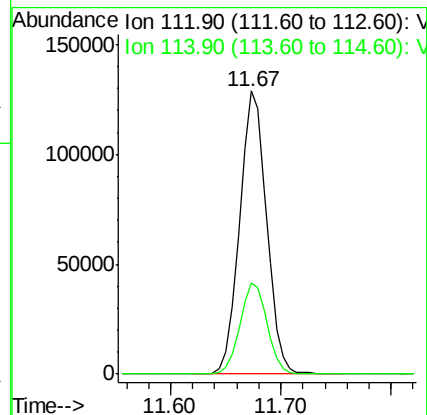
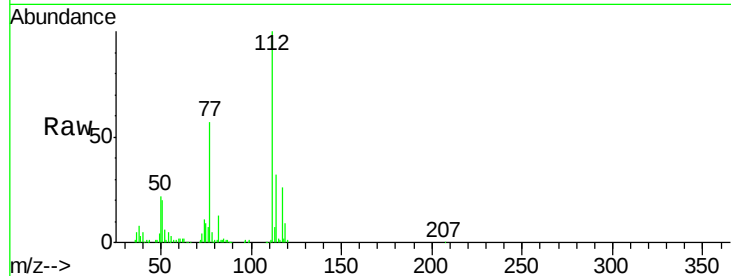
114 32.4 24.8 37.2

Manual Integrations

APPROVED

MMDadoda

1/14/2020 1:28:32 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 23.718 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

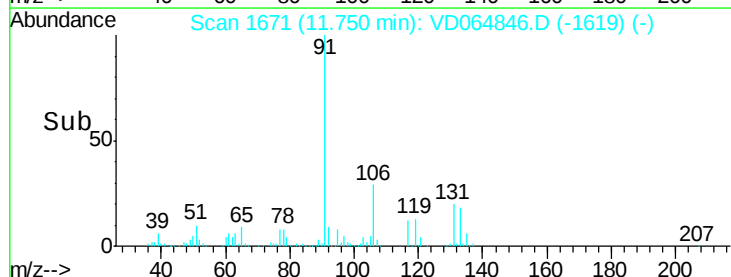
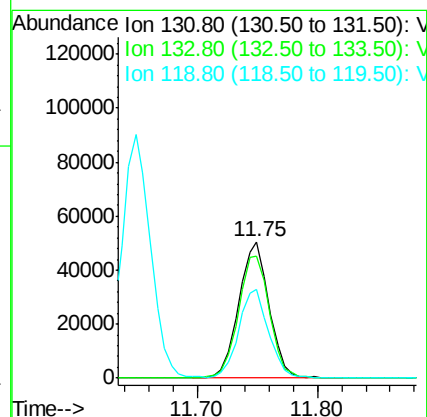
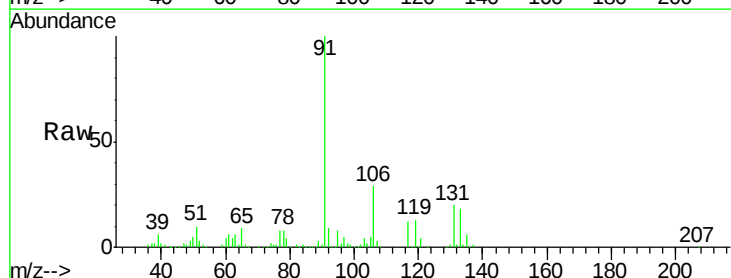
Tgt Ion:131 Resp: 87886

Ion Ratio Lower Upper

131 100

133 92.8 48.3 144.8

119 64.4 32.1 96.3





#67

Ethyl Benzene

Concen: 22.489 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBS01

Tot Ion: 91 Resp: 401215

Ion Ratio Lower Upper

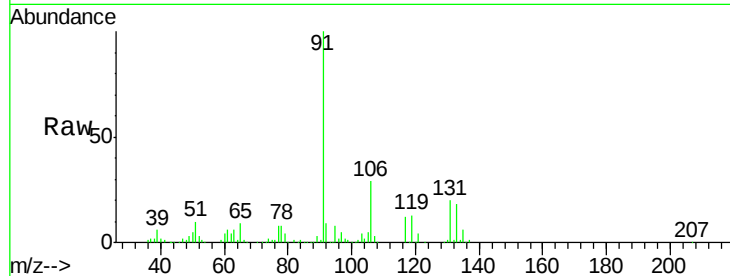
91 100

106 28.6 24.6 36.8

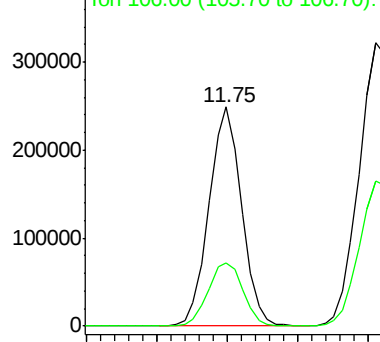
Manual Integrations
APPROVED

MMDadoda

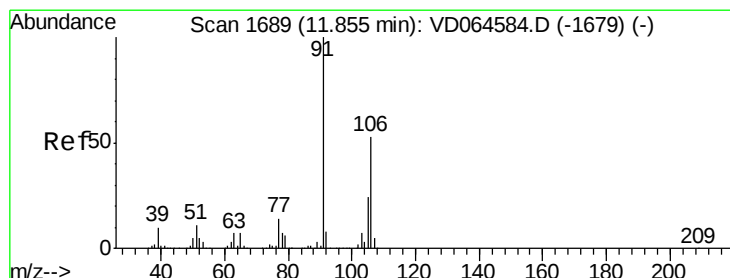
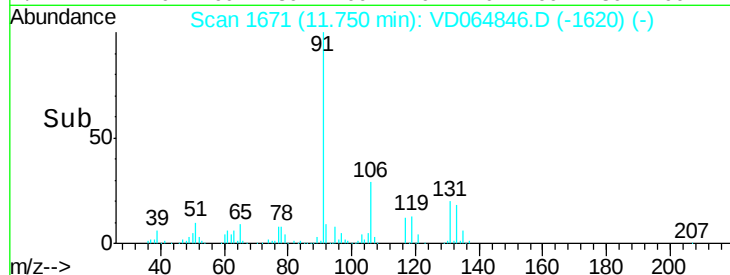
1/14/2020 1:28:32 PM



Abundance Ion 91.00 (90.70 to 91.70): VD064846.D (-1662) (-)



Time--> 11.65 11.70 11.75 11.80



#68

m/p-Xylenes

Concen: 45.238 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064846.D

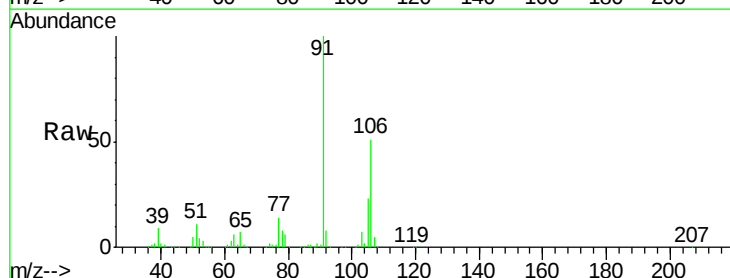
Acq: 13 Jan 2020 13:39

Tgt Ion: 106 Resp: 311517

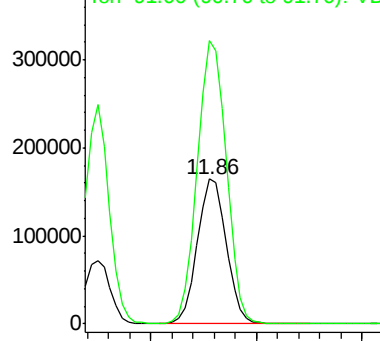
Ion Ratio Lower Upper

106 100

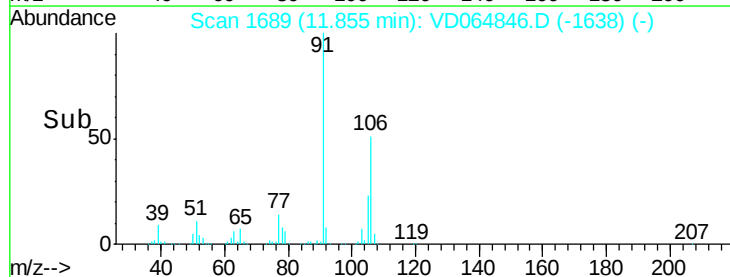
91 196.9 156.3 234.5

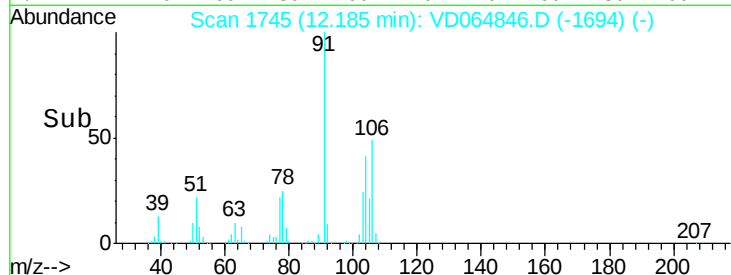
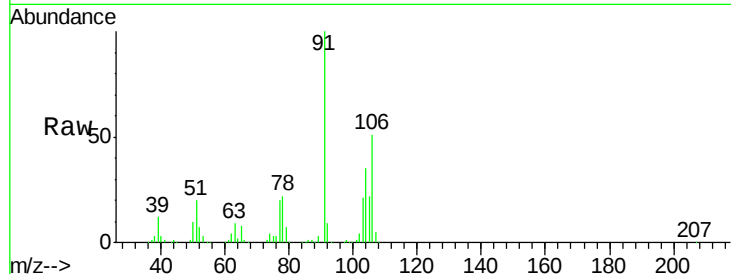
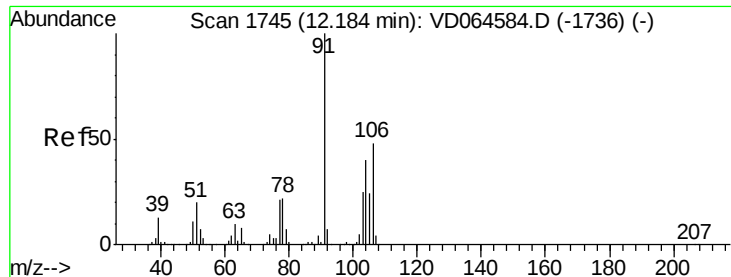


Abundance Ion 106.00 (105.70 to 106.70): VD064846.D (-1679) (-)



Time--> 11.80 11.85 11.90





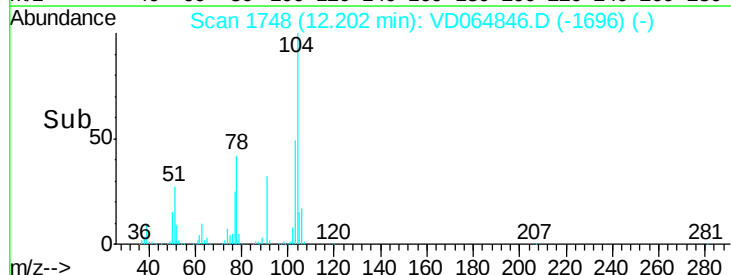
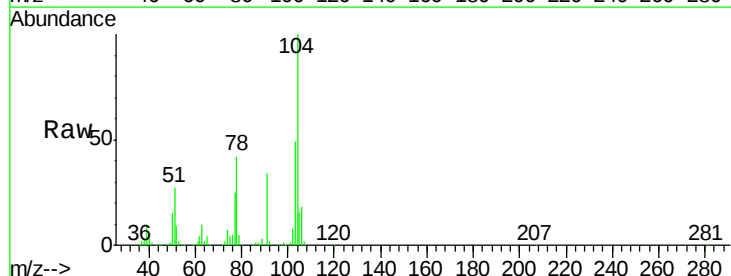
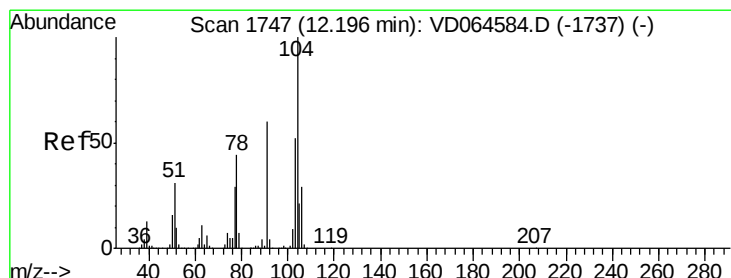
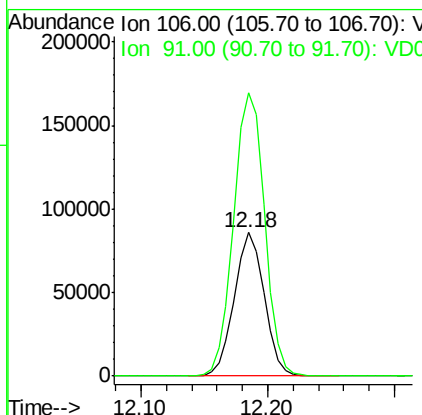
#69
o-Xylene
Concen: 22.585 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Tot Ion:106 Resp: 140478
Ion Ratio Lower Upper
106 100
91 204.2 104.8 314.4

Instrument :
MSVOA_D
ClientSampleId :
VD0113SBS01

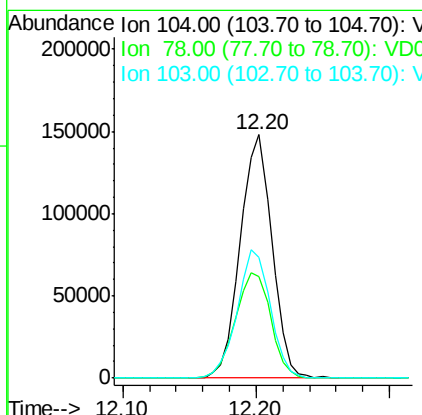
Manual Integrations
APPROVED

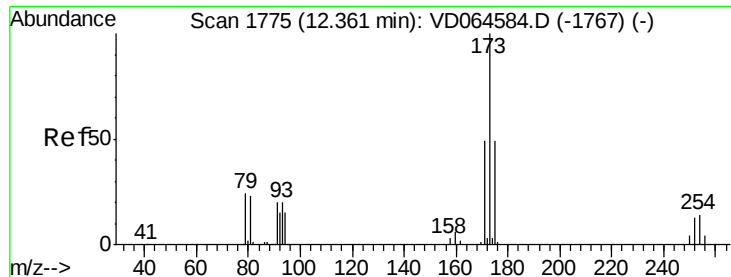
MMDadoda
1/14/2020 1:28:32 PM



#70
Styrene
Concen: 22.346 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Tgt Ion:104 Resp: 243970
Ion Ratio Lower Upper
104 100
78 48.8 38.2 57.2
103 55.1 44.6 67.0





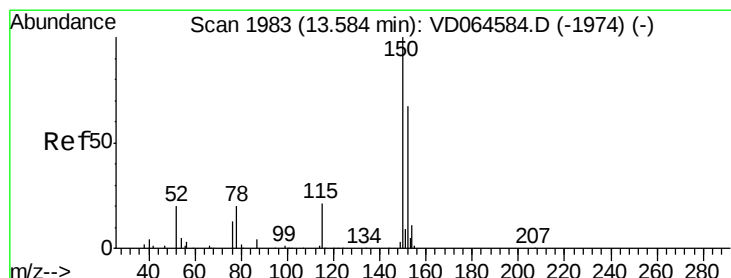
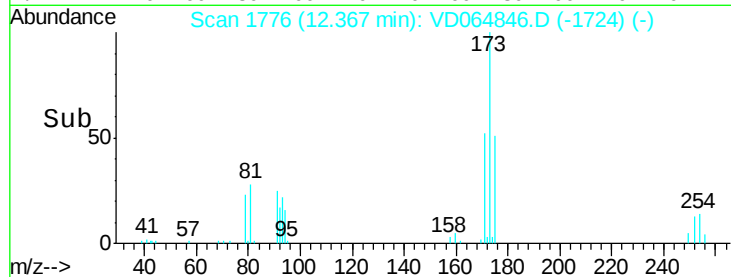
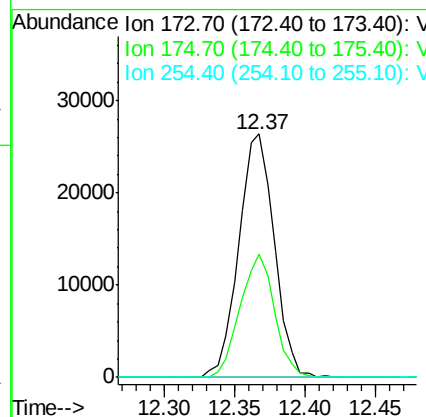
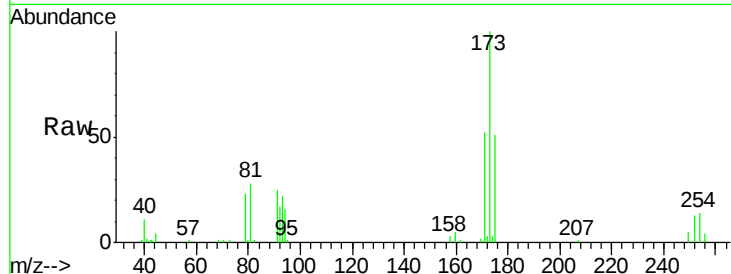
#71
Bromoform
Concen: 21.875 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Instrument :
MSVOA_D
ClientSampleId :
VD0113SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.6	73.8
254	0.0	0.1	0.1#

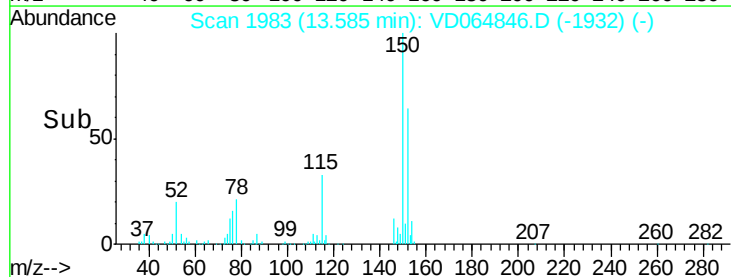
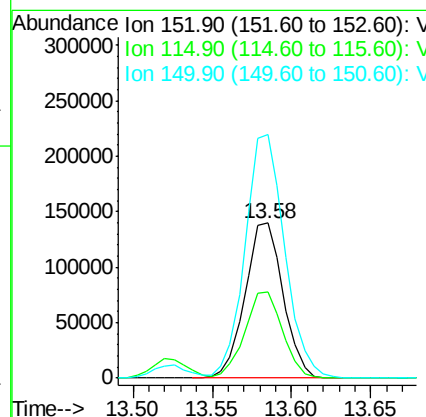
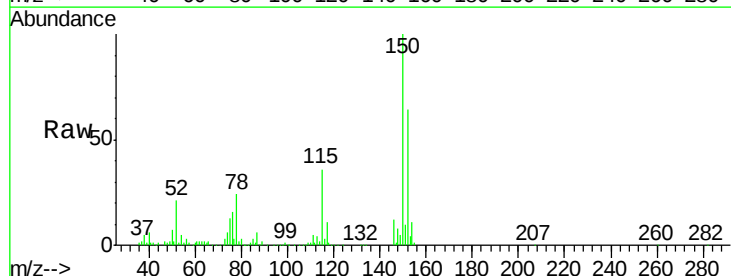
Manual Integrations
APPROVED

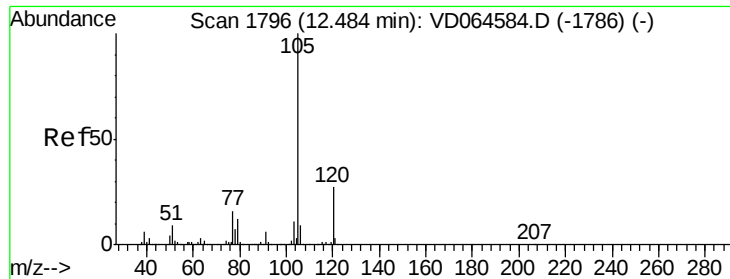
MMDadoda
1/14/2020 1:28:32 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	27.8	83.4
150	163.9	0.0	351.4





#73

Isopropylbenzene

Concen: 22.871 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBS01

Tot Ion:105 Resp: 380147

Ion Ratio Lower Upper

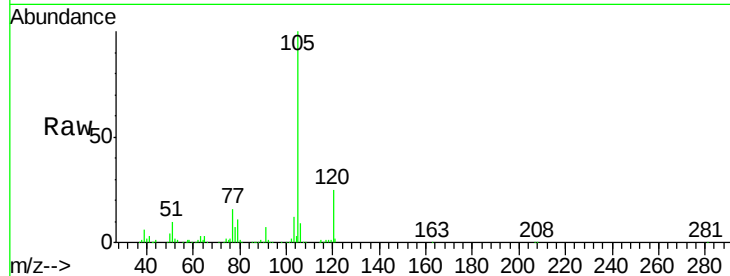
105 100

120 26.1 13.5 40.5

Manual Integrations
APPROVED

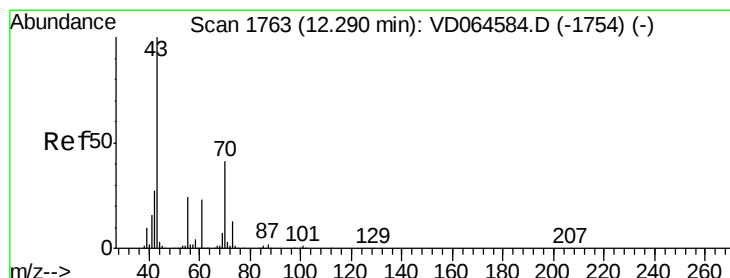
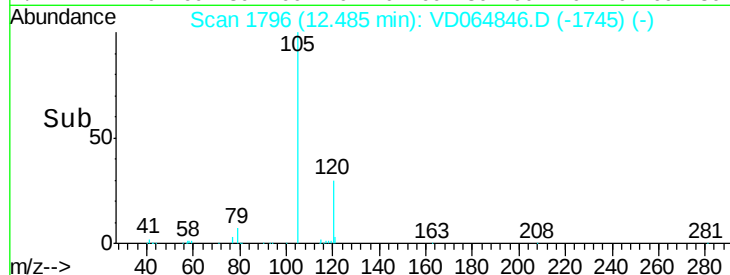
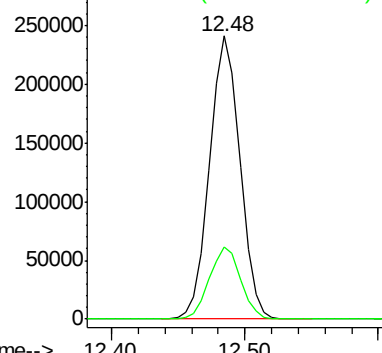
MMDadoda

1/14/2020 1:28:32 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 23.237 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

Tgt Ion: 43 Resp: 82560

Ion Ratio Lower Upper

43 100

70 42.1 33.4 50.0

55 26.2 19.4 29.0

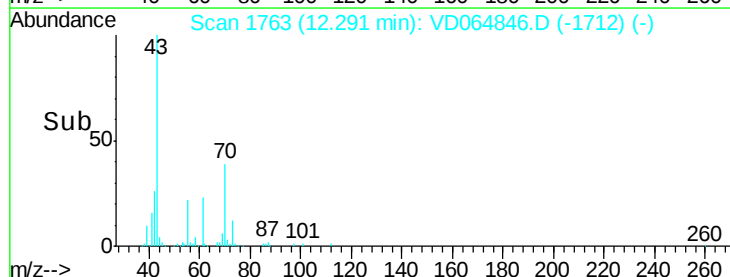
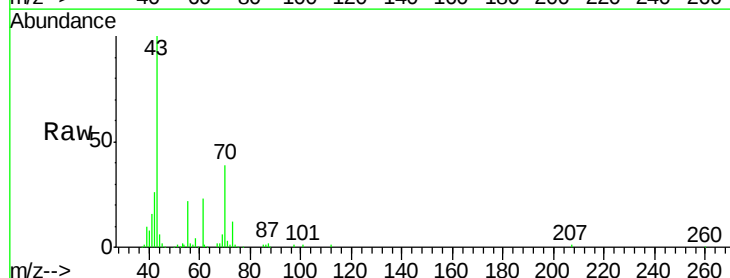
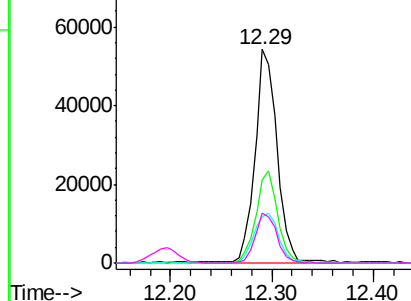
61 22.7 18.3 27.5

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 23.586 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

Instrument :

MSVOA_D

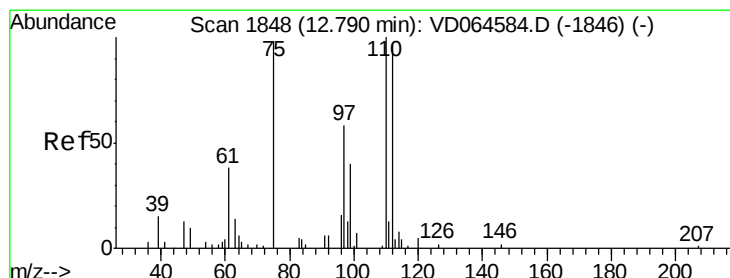
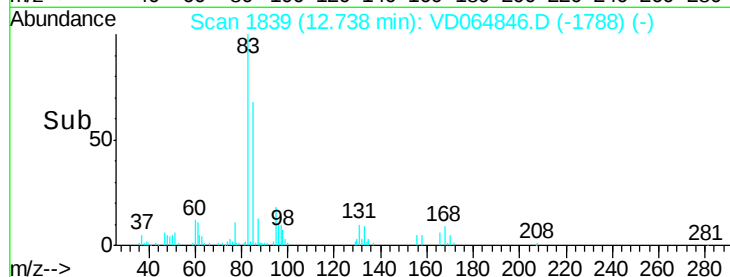
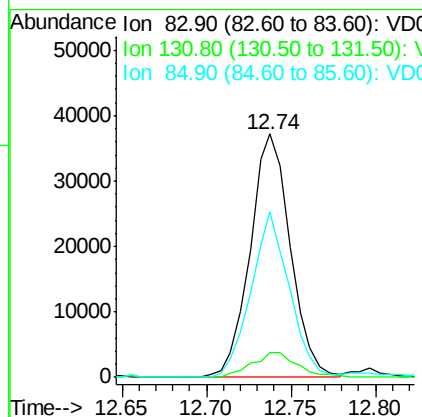
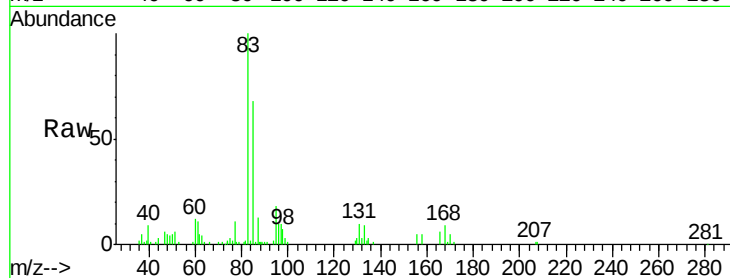
ClientSampleId :

VD0113SBSD01

Tot Ion:	83	Resp:	61583
Ion	Ratio	Lower	Upper
83	100		
131	11.6	5.8	17.4
85	65.0	32.3	96.9

Manual Integrations
APPROVED

MMDadoda
1/14/2020 1:28:32 PM



#76

1,2,3-Trichloropropane

Concen: 22.185 ug/l m

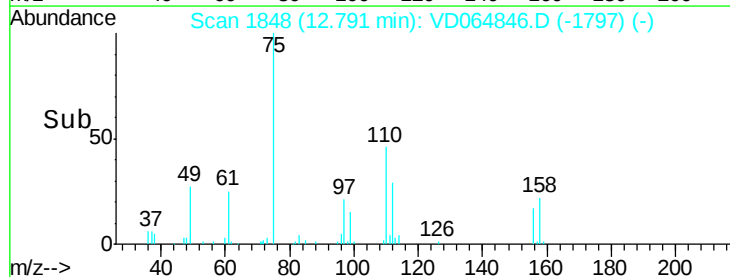
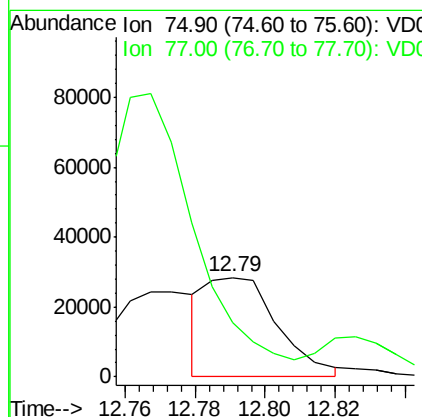
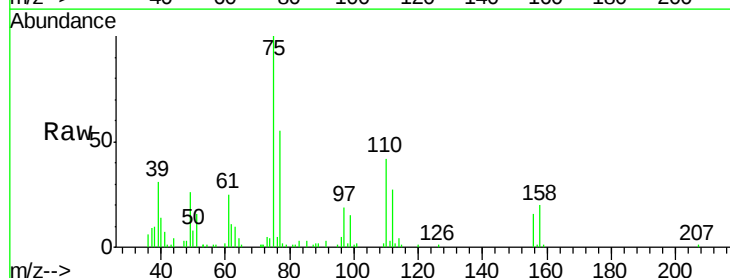
RT: 12.79 min Scan# 1848

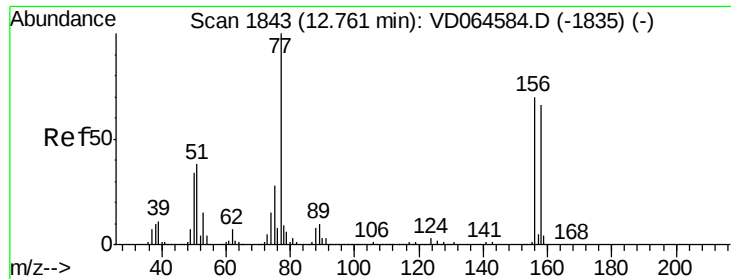
Delta R.T. 0.00 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

Tgt Ion:	75	Resp:	40745
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





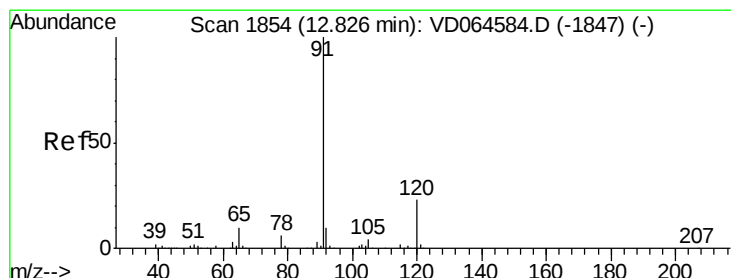
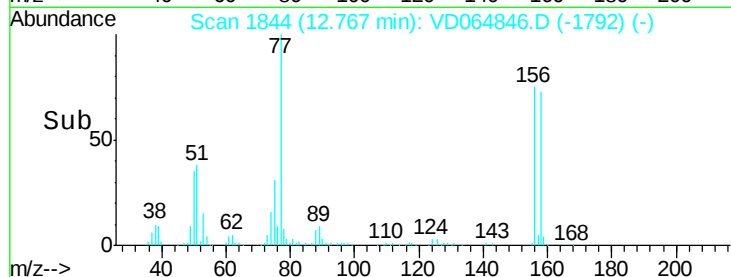
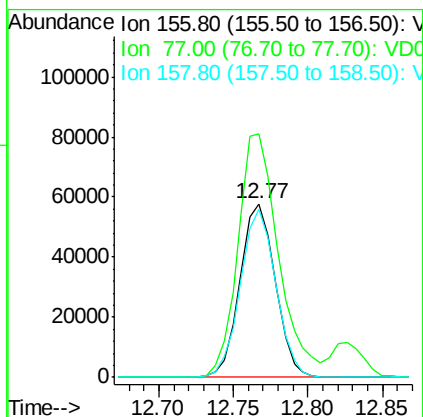
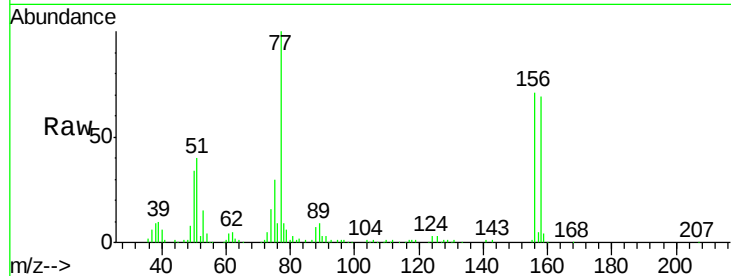
#77
Bromobenzene
Concen: 23.143 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.01 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Instrument :
MSVOA_D
ClientSampleId :
VD0113BSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	162.6	80.9	242.7
158	97.5	48.0	144.2

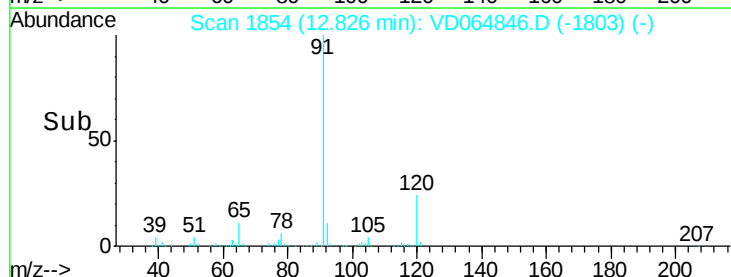
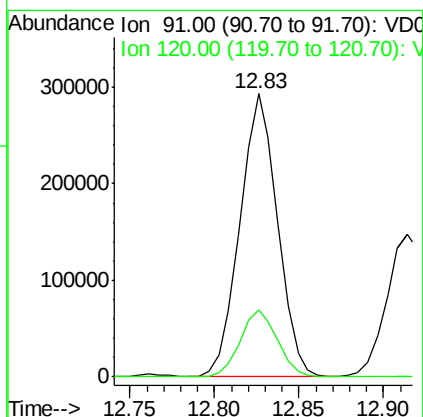
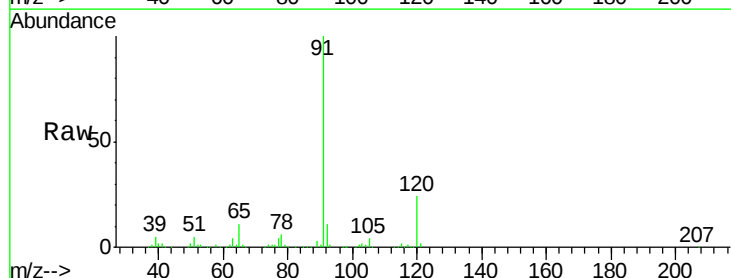
Manual Integrations
APPROVED

MMDadoda
1/14/2020 1:28:32 PM



#78
n-propylbenzene
Concen: 23.381 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.9	35.9





#79

2-Chlorotoluene

Concen: 23.399 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBS01

Tot Ion: 91 Resp: 249247

Ion Ratio Lower Upper

91 100

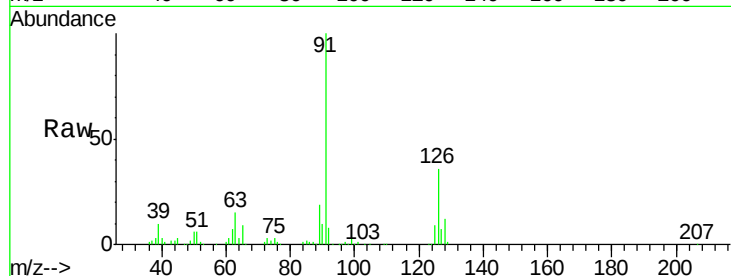
126 35.1 17.8 53.5

Manual Integrations

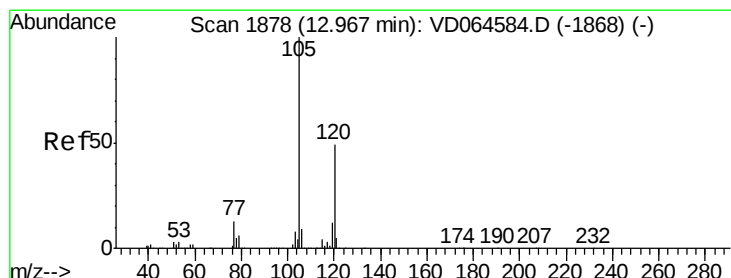
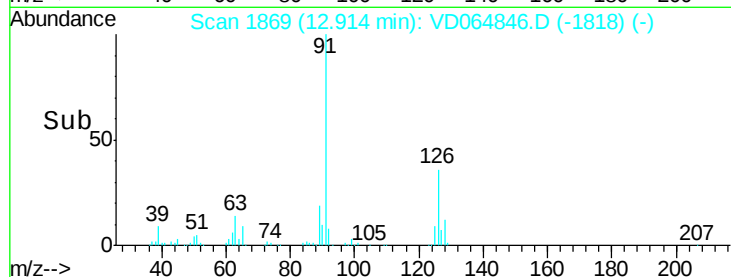
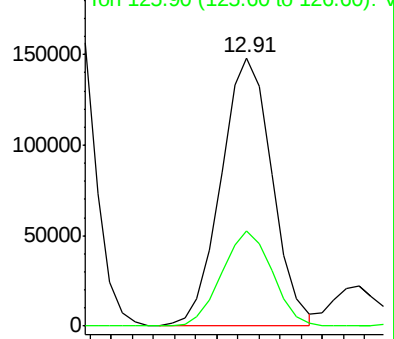
APPROVED

MMDadoda

1/14/2020 1:28:32 PM



Abundance Ion 91.00 (90.70 to 91.70): VD064846.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.863 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064846.D

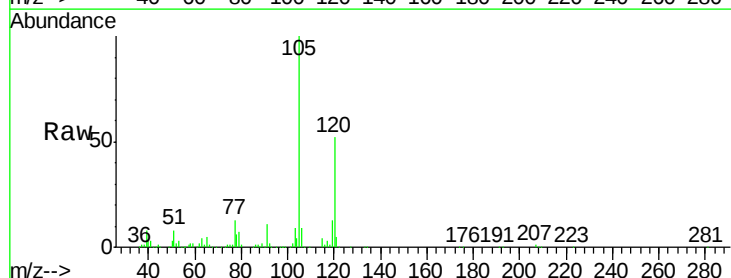
Acq: 13 Jan 2020 13:39

Tgt Ion: 105 Resp: 312160

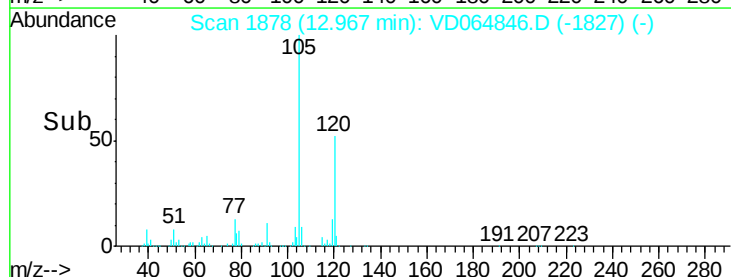
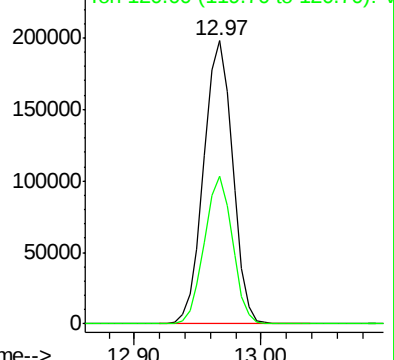
Ion Ratio Lower Upper

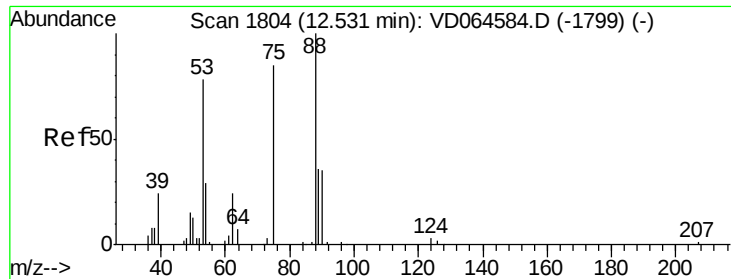
105 100

120 50.5 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VD064846.D (-1827) (-)





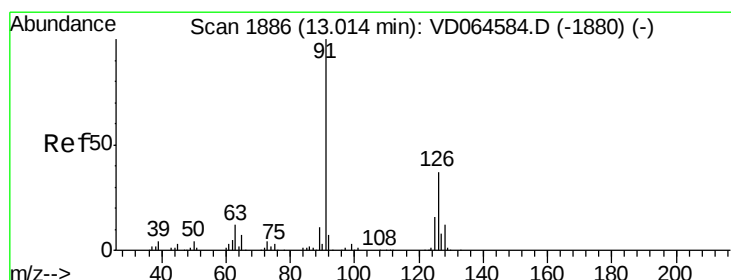
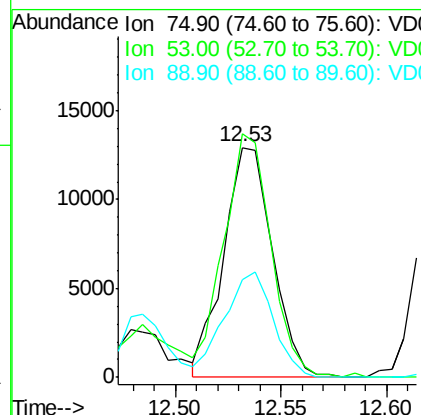
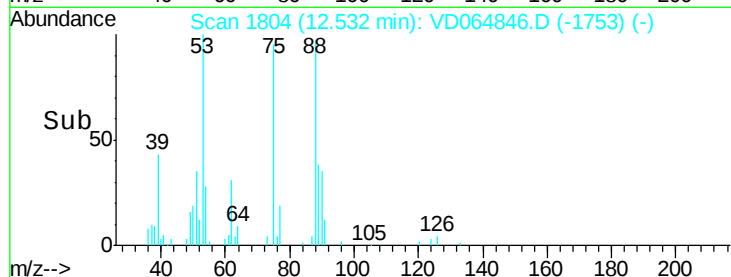
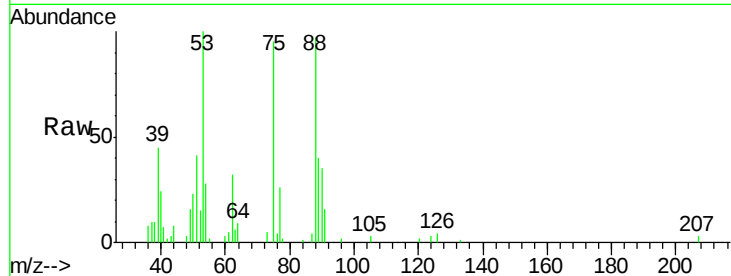
#81
trans-1,4-Dichloro-2-butene
Concen: 23.607 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Instrument :
MSVOA_D
ClientSampleId :
VD0113SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.2	78.8	118.2
89	45.7	38.3	57.5

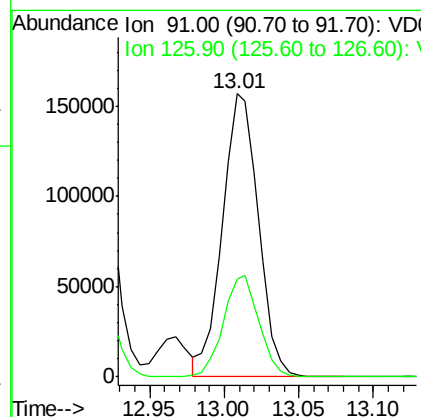
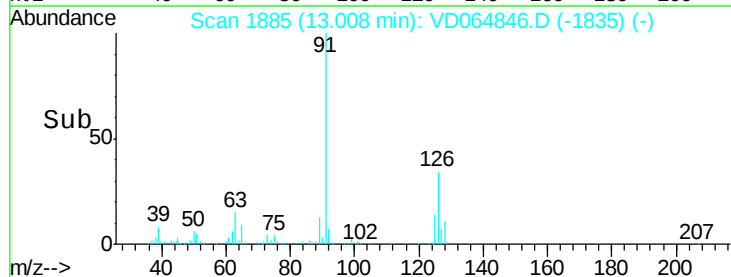
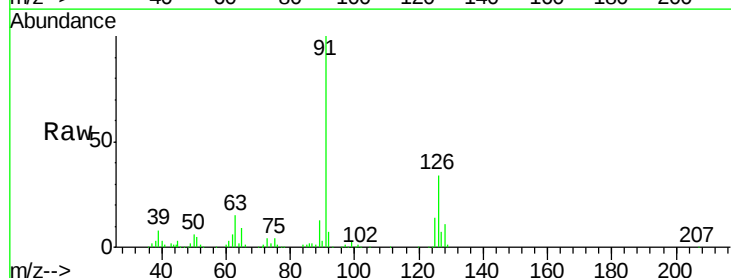
Manual Integrations
APPROVED

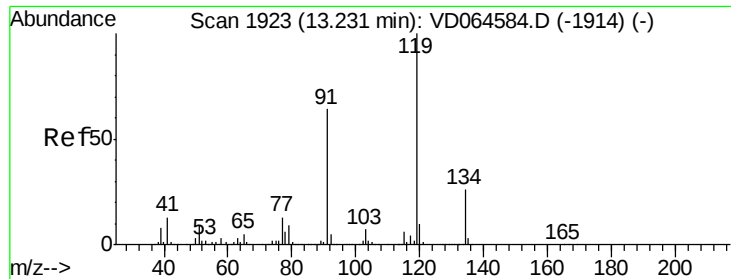
MMDadoda
1/14/2020 1:28:32 PM



#82
4-Chlorotoluene
Concen: 23.287 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.8	53.5





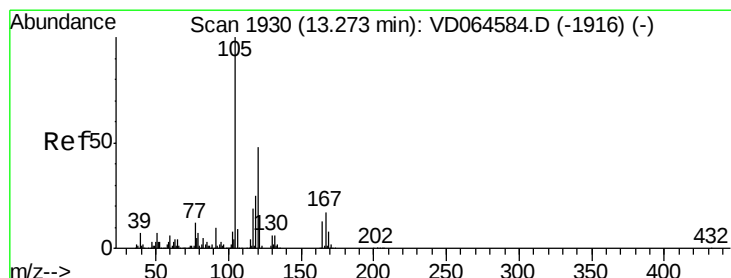
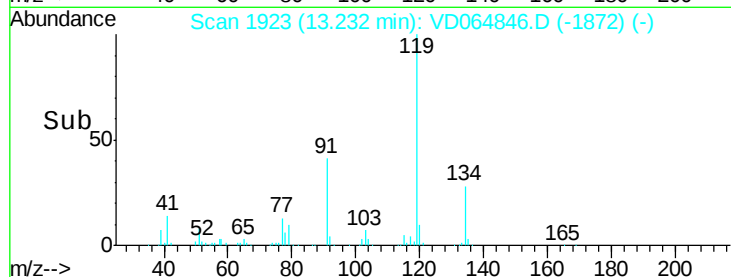
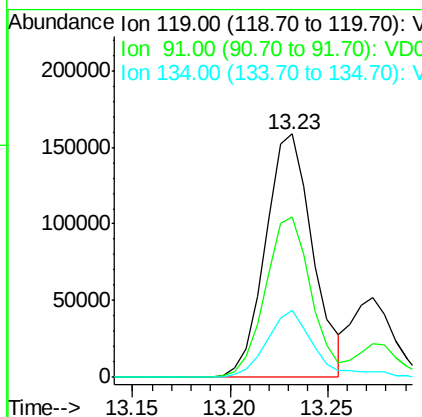
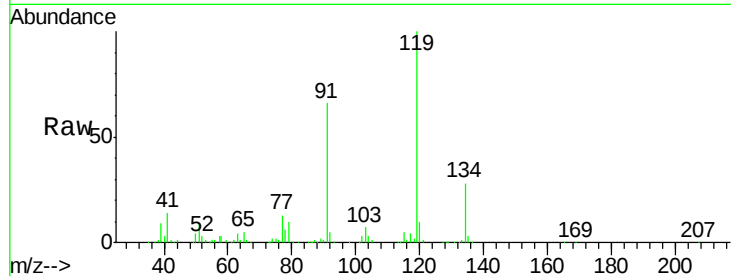
#83
tert-Butylbenzene
Concen: 22.550 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Instrument :
MSVOA_D
ClientSampleId :
VD0113SBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.5	30.8	92.4
134	28.0	12.8	38.3

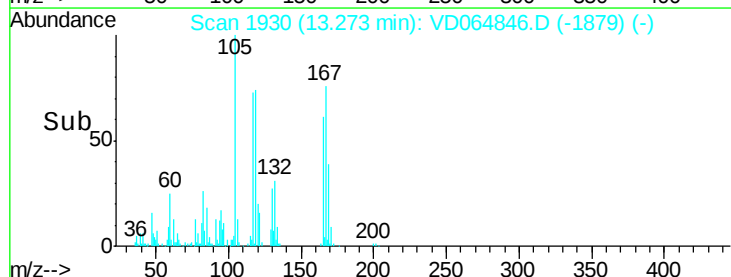
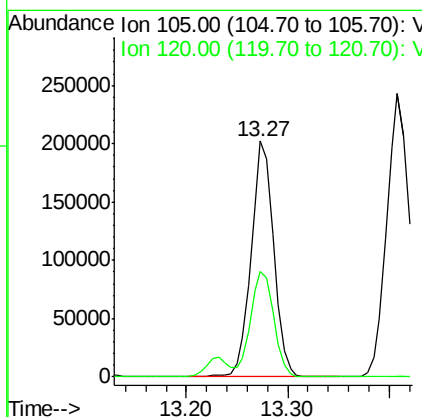
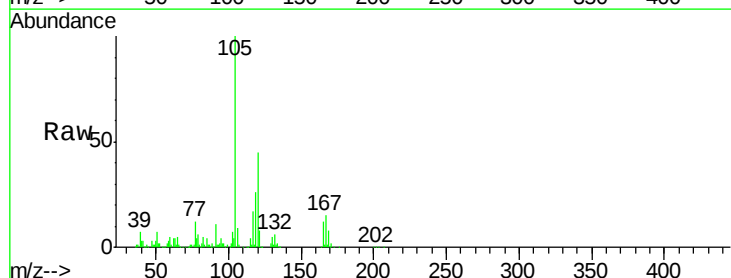
Manual Integrations
APPROVED

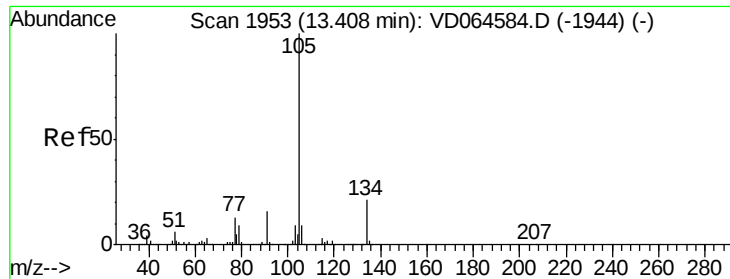
MMDadoda
1/14/2020 1:28:32 PM



#84
1,2,4-Trimethylbenzene
Concen: 22.962 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.8	71.2





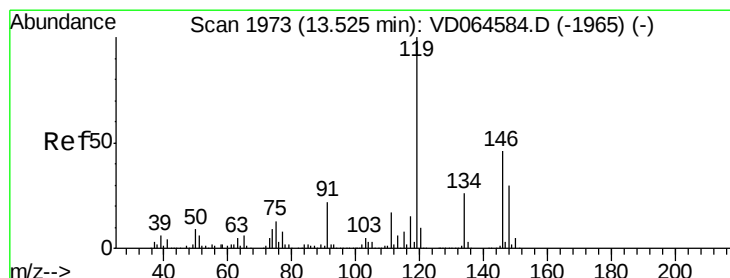
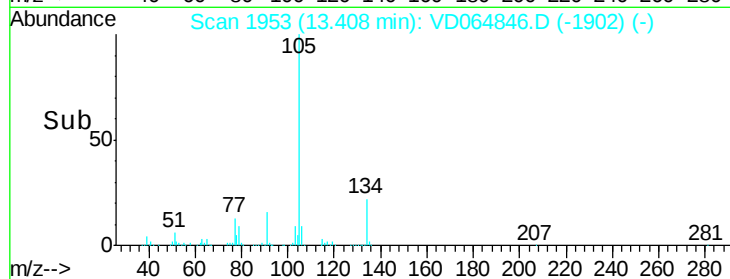
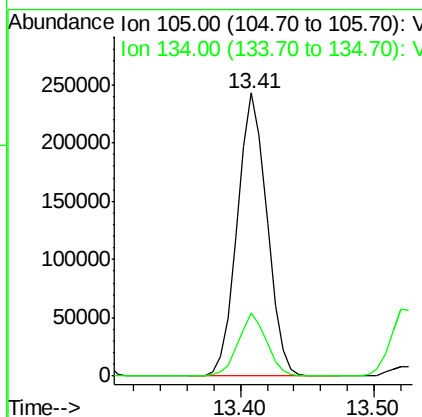
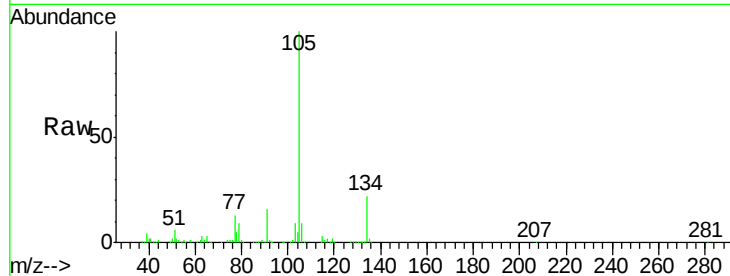
#85
 sec-Butylbenzene
 Concen: 22.996 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064846.D
 Acq: 13 Jan 2020 13:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113BSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.1	10.6	31.8

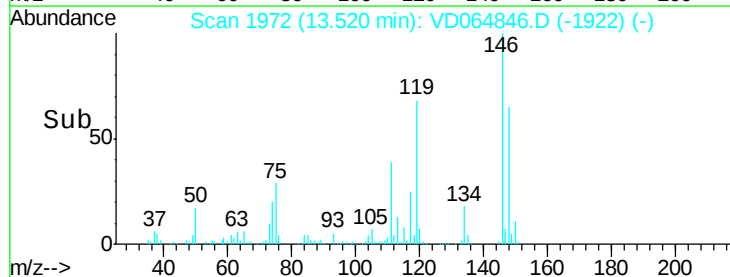
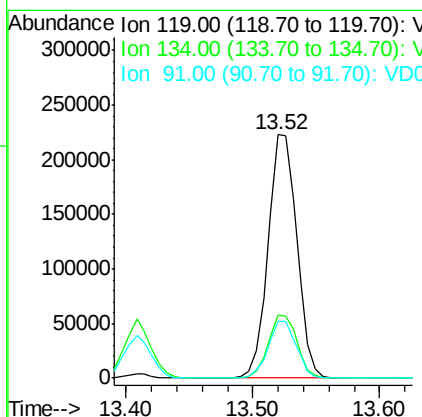
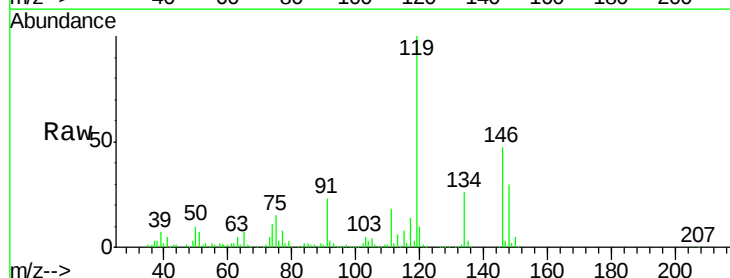
Manual Integrations
 APPROVED

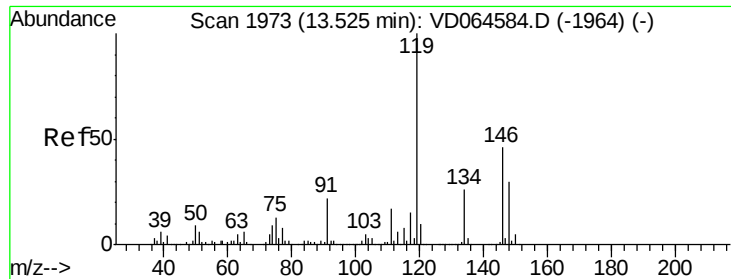
MMDadoda
 1/14/2020 1:28:32 PM



#86
 p-Isopropyltoluene
 Concen: 22.585 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064846.D
 Acq: 13 Jan 2020 13:39

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.4	40.1
91	22.8	11.2	33.6





#87

1,3-Dichlorobenzene

Concen: 22.457 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

Instrument :

MSVOA_D

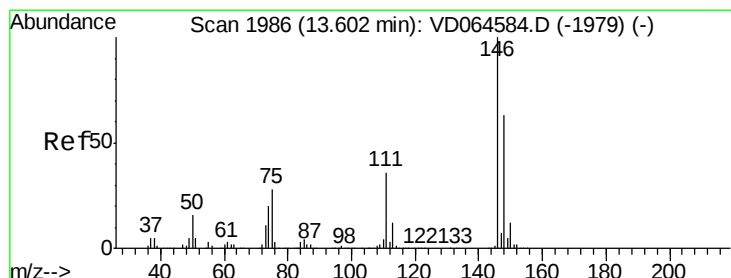
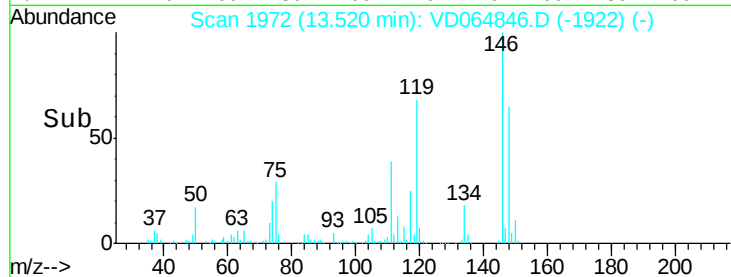
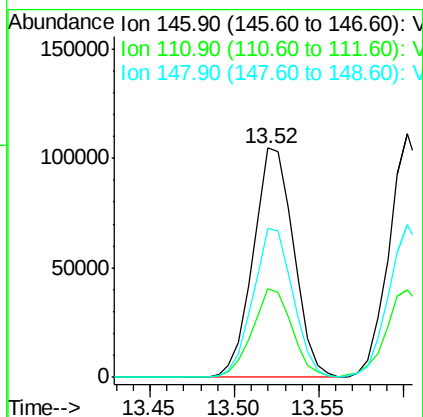
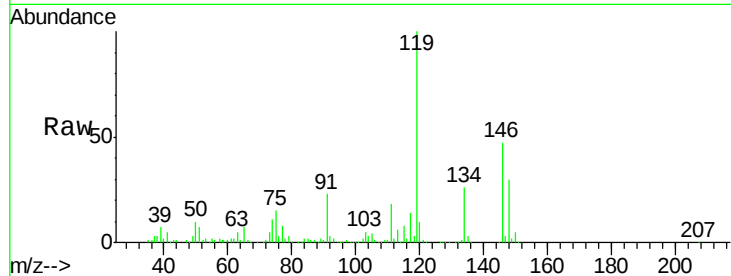
ClientSampleId :

VD0113SBSD01

Tot Ion:	146	Resp:	174842
Ion Ratio	Lower	Upper	
146	100		
111	37.9	18.8	56.4
148	64.1	32.5	97.5

Manual Integrations
APPROVED

MMDadoda
1/14/2020 1:28:32 PM



#88

1,4-Dichlorobenzene

Concen: 22.849 ug/l

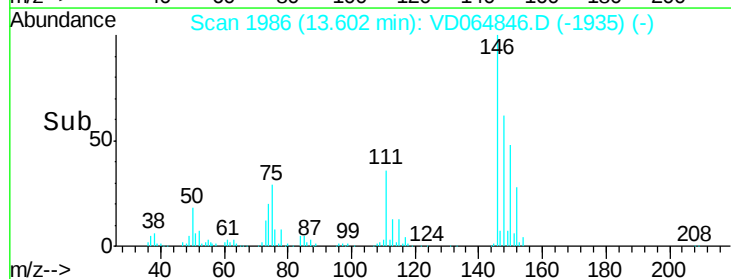
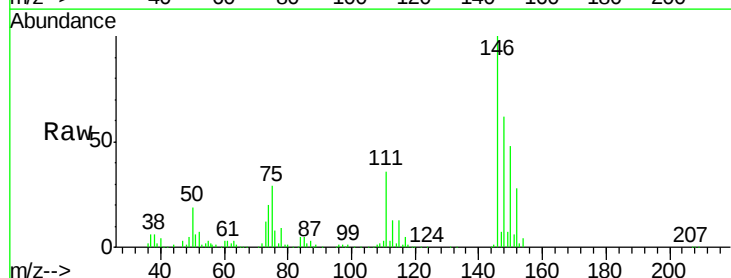
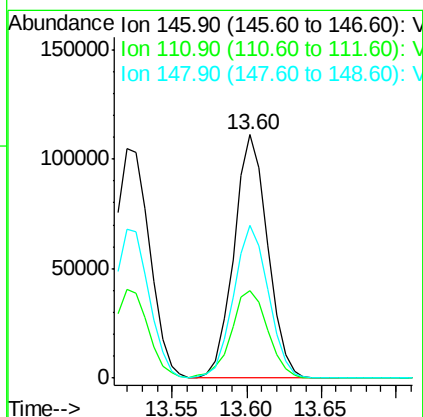
RT: 13.60 min Scan# 1986

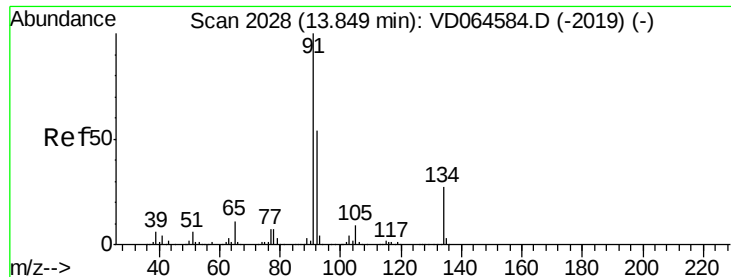
Delta R.T. 0.00 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

Tgt Ion:	146	Resp:	174754
Ion Ratio	Lower	Upper	
146	100		
111	38.9	18.1	54.1
148	64.9	32.3	96.9





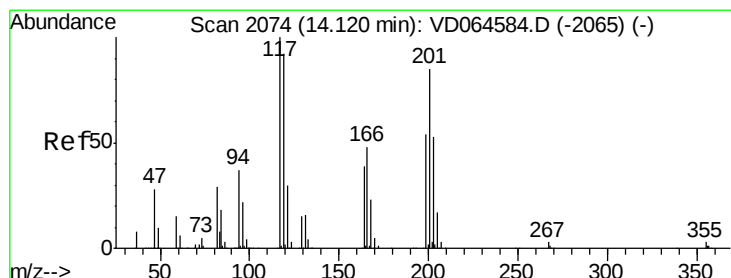
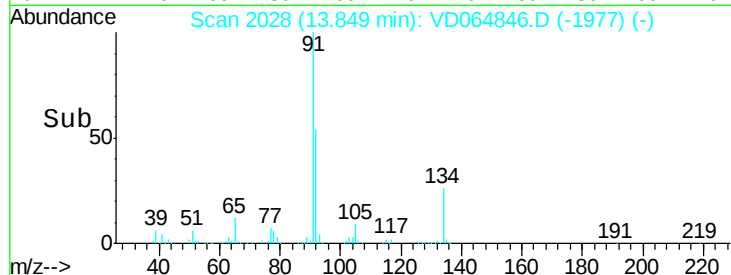
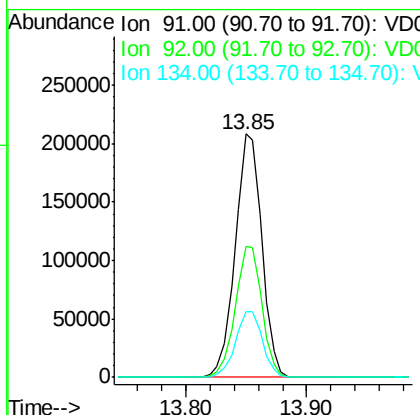
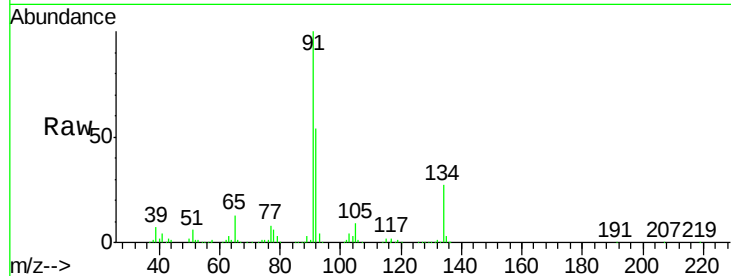
#89
n-Butylbenzene
Concen: 22.899 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Instrument :
MSVOA_D
ClientSampleId :
VD0113SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.8	80.4
134	27.4	14.0	41.9

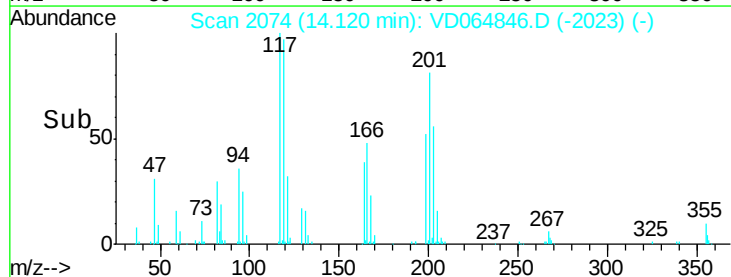
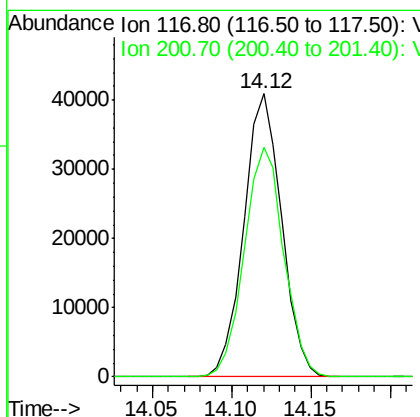
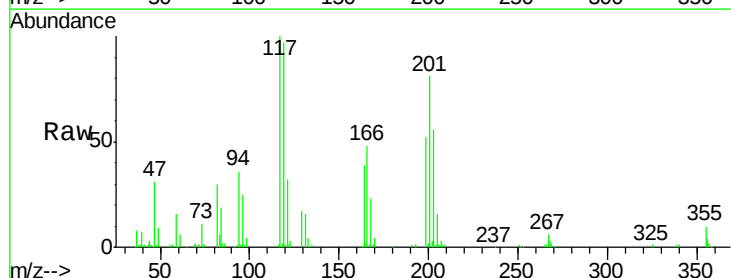
Manual Integrations
APPROVED

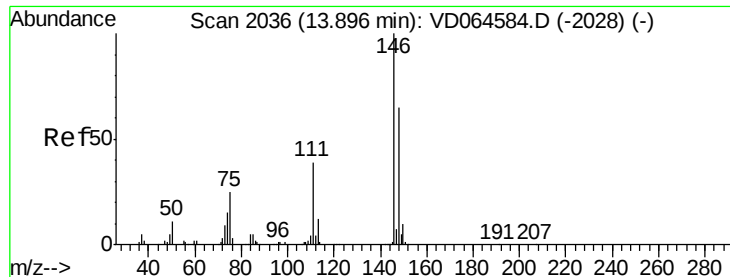
MMDadoda
1/14/2020 1:28:32 PM



#90
Hexachloroethane
Concen: 22.828 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.7	44.0	131.8





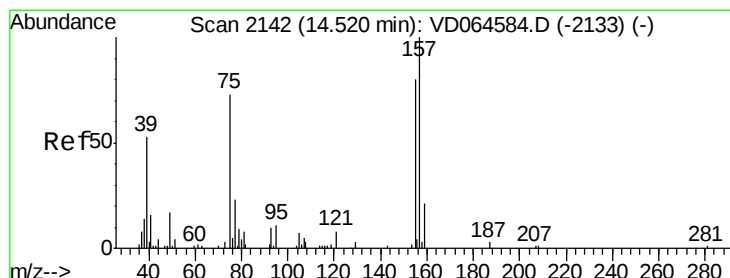
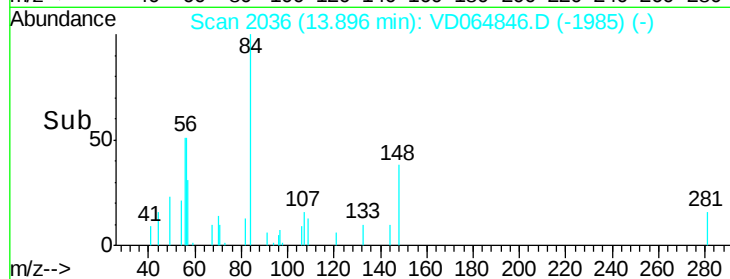
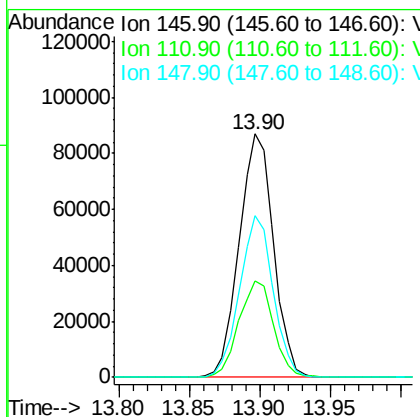
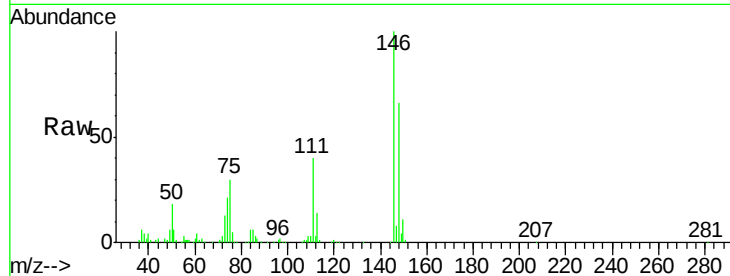
#91
 1,2-Dichlorobenzene
 Concen: 22.264 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064846.D
 Acq: 13 Jan 2020 13:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.3	57.9
148	64.9	31.9	95.5

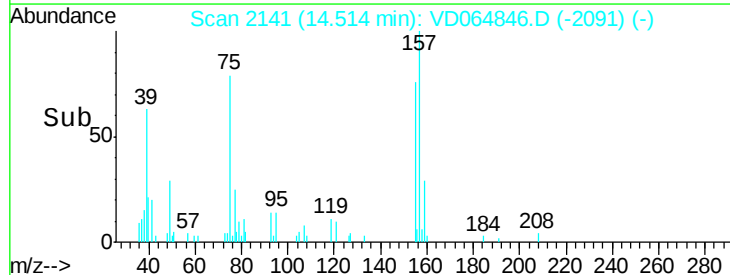
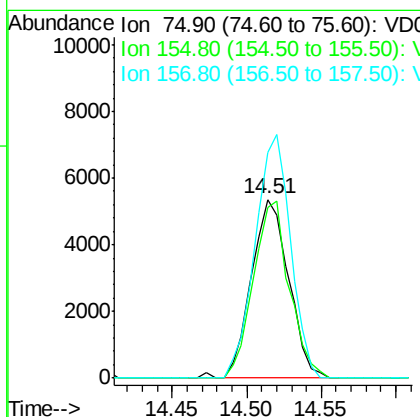
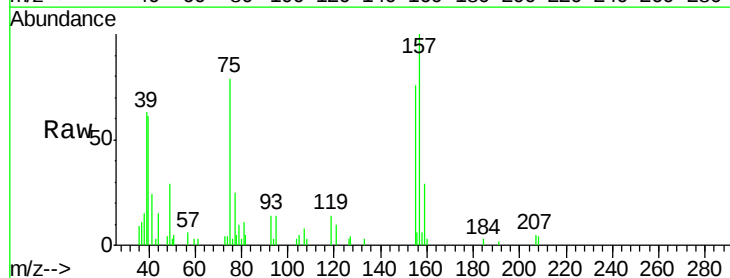
Manual Integrations
 APPROVED

MMDadoda
 1/14/2020 1:28:32 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.832 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064846.D
 Acq: 13 Jan 2020 13:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.2	48.0	144.0
157	129.4	64.1	192.3





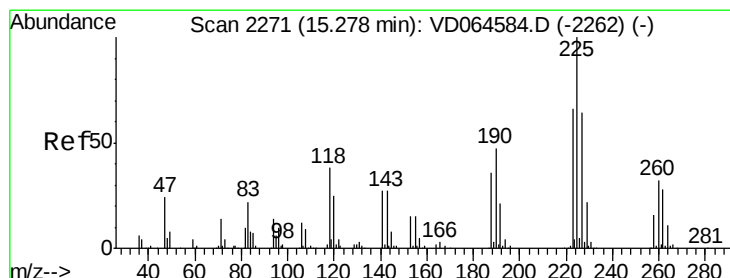
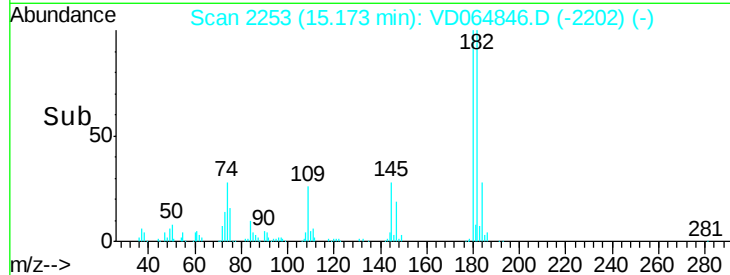
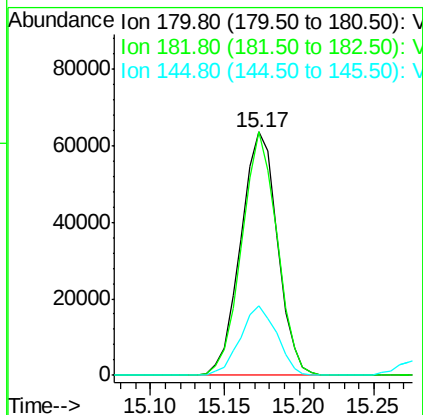
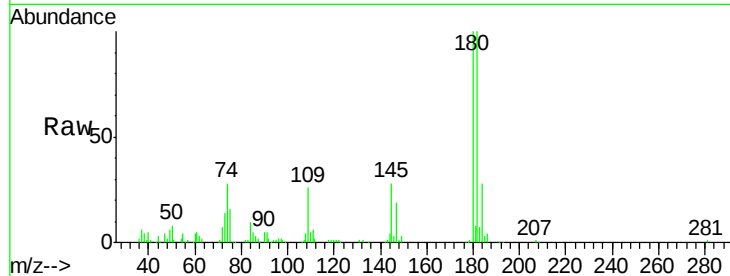
#93
 1,2,4-Trichlorobenzene
 Concen: 22.179 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064846.D
 Acq: 13 Jan 2020 13:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113BSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	108417		
182	95.8	48.0	144.2	
145	28.4	13.8	41.4	

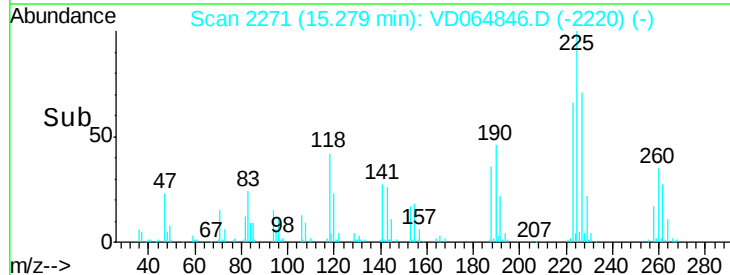
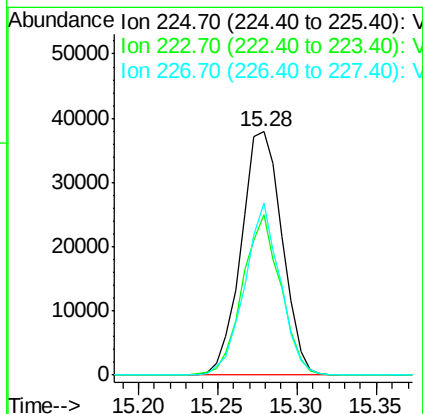
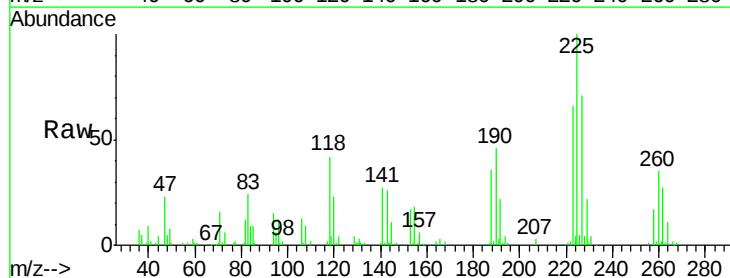
Manual Integrations
 APPROVED

MMDadoda
 1/14/2020 1:28:32 PM



#94
 Hexachlorobutadiene
 Concen: 22.127 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064846.D
 Acq: 13 Jan 2020 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	68063		
223	61.3	31.1	93.2	
227	61.3	30.9	92.7	





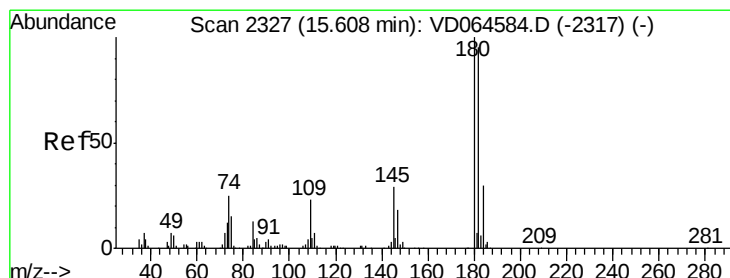
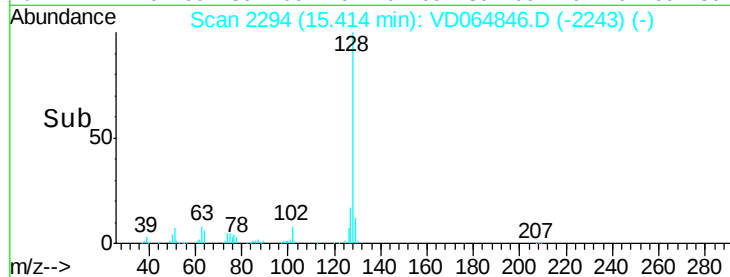
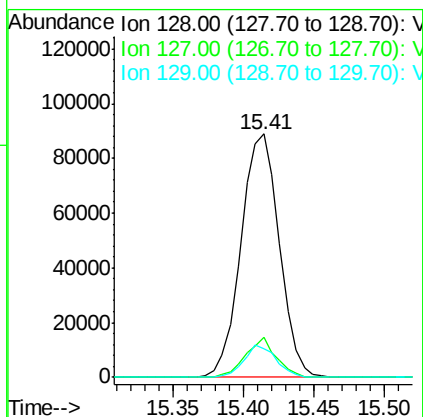
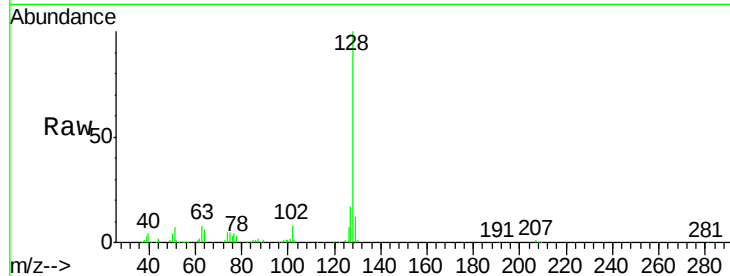
#95
Naphthalene
Concen: 21.810 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Instrument :
MSVOA_D
ClientSampleId :
VD0113BSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.3	15.5
129	11.2	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/14/2020 1:28:32 PM



#96
1,2,3-Trichlorobenzene
Concen: 22.149 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.9	143.7
145	30.6	14.9	44.7

