

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081720\
 Data File : VD066252.D
 Acq On : 17 Aug 2020 12:38
 Operator : VA/SY
 Sample : VD0817SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0817SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/18/2020 11:08:47 AM

Quant Time: Aug 17 14:09:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	286800	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	405552	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	378148	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	196862	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	123324	48.20	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.40%		
35) Dibromofluoromethane	7.91	113	127358	49.57	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.14%		
50) Toluene-d8	10.34	98	476572	50.27	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.54%		
62) 4-Bromofluorobenzene	12.63	95	171655	50.23	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.46%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	52504	20.779	ug/l	100
3) Chloromethane	2.20	50	37039	18.844	ug/l	98
4) Vinyl Chloride	2.34	62	36392	20.913	ug/l	91
5) Bromomethane	2.76	94	24381	21.118	ug/l	97
6) Chloroethane	2.92	64	22813	21.357	ug/l	97
7) Trichlorofluoromethane	3.27	101	90375	19.920	ug/l	96
8) Diethyl Ether	3.71	74	22176	17.323	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	51079	18.971	ug/l	96
10) Methyl Iodide	4.30	142	50058	24.392	ug/l	99
11) Tert butyl alcohol	5.21	59	16882	59.397	ug/l #	88
12) 1,1-Dichloroethene	4.06	96	47085	18.538	ug/l	94
13) Acrolein	3.92	56	11309	55.527	ug/l	99
14) Allyl chloride	4.71	41	67224	17.470	ug/l	93
15) Acrylonitrile	5.43	53	46667	86.511	ug/l	100
16) Acetone	4.16	43	44121	90.879	ug/l	96
17) Carbon Disulfide	4.40	76	145112	17.969	ug/l	100
18) Methyl Acetate	4.71	43	20885	16.936	ug/l #	73
19) Methyl tert-butyl Ether	5.47	73	102514	17.609	ug/l	100
20) Methylene Chloride	4.96	84	63114	19.821	ug/l	93
21) trans-1,2-Dichloroethene	5.46	96	52997	18.163	ug/l	89
22) Diisopropyl ether	6.36	45	135653	17.827	ug/l	93
23) Vinyl Acetate	6.30	43	377908	84.773	ug/l	100
24) 1,1-Dichloroethane	6.26	63	86782	18.428	ug/l #	95
25) 2-Butanone	7.21	43	59684	83.583	ug/l	93
26) 2,2-Dichloropropane	7.20	77	84534	20.029	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	57842	18.900	ug/l	100
28) Bromochloromethane	7.54	49	33517	20.265	ug/l	95
29) Tetrahydrofuran	7.56	42	35501	80.244	ug/l	97
30) Chloroform	7.70	83	94092	19.029	ug/l	98
31) Cyclohexane	7.98	56	82101	18.315	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	91296	19.692	ug/l	99
36) 1,1-Dichloropropene	8.11	75	75550	19.824	ug/l	99
37) Ethyl Acetate	7.28	43	24876	16.475	ug/l	97
38) Carbon Tetrachloride	8.09	117	88124	20.736	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081720\
 Data File : VD066252.D
 Acq On : 17 Aug 2020 12:38
 Operator : VA/SY
 Sample : VD0817SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0817SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/18/2020 11:08:47 AM

Quant Time: Aug 17 14:09:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	86389	18.752	ug/l	97
40) Benzene	8.34	78	203685	19.267	ug/l	100
41) Methacrylonitrile	7.52	41	12127m	13.659	ug/l	
42) 1,2-Dichloroethane	8.42	62	61092	19.671	ug/l	99
43) Isopropyl Acetate	8.45	43	53488	17.979	ug/l	99
44) Trichloroethene	9.11	130	61375	19.266	ug/l	92
45) 1,2-Dichloropropane	9.38	63	46910	18.143	ug/l	95
46) Dibromomethane	9.47	93	26282	18.454	ug/l	96
47) Bromodichloromethane	9.66	83	72865	19.357	ug/l	95
48) Methyl methacrylate	9.45	41	27275	17.954	ug/l	99
49) 1,4-Dioxane	9.46	88	5528	302.116	ug/l #	84
51) 4-Methyl-2-Pentanone	10.23	43	128603	84.155	ug/l	98
52) Toluene	10.40	92	137509	19.767	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	66278	18.554	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	80152	19.151	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	38029	18.543	ug/l	94
56) Ethyl methacrylate	10.66	69	44405	18.024	ug/l	98
57) 1,3-Dichloropropane	10.94	76	63258	18.580	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	110295	99.529	ug/l	99
59) 2-Hexanone	10.98	43	92927	86.646	ug/l	97
60) Dibromochloromethane	11.14	129	55183	19.490	ug/l	98
61) 1,2-Dibromoethane	11.24	107	37812	19.172	ug/l	95
64) Tetrachloroethene	10.87	164	56078	19.312	ug/l	96
65) Chlorobenzene	11.67	112	149854	19.521	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	60195	20.041	ug/l	97
67) Ethyl Benzene	11.74	91	263419	19.802	ug/l	99
68) m/p-Xylenes	11.86	106	204457	39.669	ug/l	97
69) o-Xylene	12.18	106	91817	19.584	ug/l	99
70) Styrene	12.20	104	162701	19.801	ug/l	99
71) Bromoform	12.36	173	33537	18.846	ug/l #	96
73) Isopropylbenzene	12.48	105	257447	19.591	ug/l	100
74) N-amyl acetate	12.29	43	49759	17.195	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	38452	17.160	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	33297m	20.282	ug/l	
77) Bromobenzene	12.76	156	66159	19.558	ug/l	99
78) n-propylbenzene	12.82	91	302045	19.773	ug/l	99
79) 2-Chlorotoluene	12.91	91	172184	19.708	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	222080	20.208	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	12051	16.227	ug/l	89
82) 4-Chlorotoluene	13.01	91	182999	19.842	ug/l	99
83) tert-Butylbenzene	13.23	119	182101	18.841	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	216881	19.719	ug/l	100
85) sec-Butylbenzene	13.40	105	262275	20.099	ug/l	100
86) p-Isopropyltoluene	13.52	119	248410	20.297	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	126070	19.829	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	120485	19.003	ug/l	95
89) n-Butylbenzene	13.85	91	220931	20.148	ug/l	99
90) Hexachloroethane	14.11	117	47847	19.602	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	105930	18.840	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6796	17.647	ug/l	95

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081720\
Data File : VD066252.D
Acq On : 17 Aug 2020 12:38
Operator : VA/SY
Sample : VD0817SBS01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0817SBS01

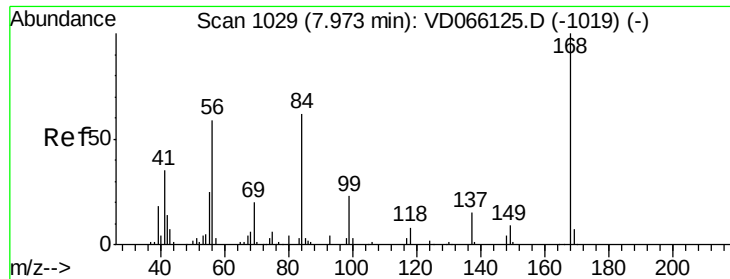
Manual Integrations
APPROVED

MMDadoda
8/18/2020 11:08:47 AM

Quant Time: Aug 17 14:09:55 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	77944	18.811	ug/l	98
94) Hexachlorobutadiene	15.27	225	49132	20.136	ug/l	98
95) Naphthalene	15.41	128	119887	17.757	ug/l	97
96) 1,2,3-Trichlorobenzene	15.60	180	65684	17.957	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066252.D

Acq: 17 Aug 2020 12:38

Instrument :

MSVOA_D

ClientSampleId :

VD0817SBS01

Tot Ion:168 Resp: 286800

Ion Ratio Lower Upper

168 100

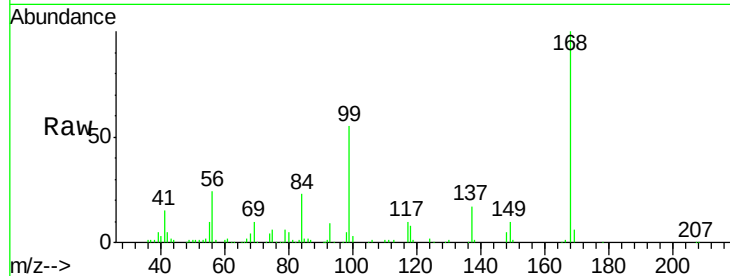
99 55.0 42.2 63.4

Manual Integrations

APPROVED

MMDadoda

8/18/2020 11:08:47 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

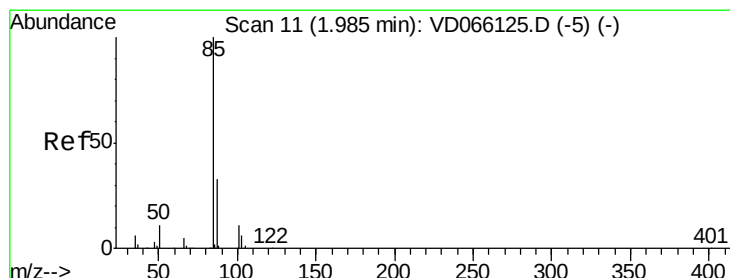
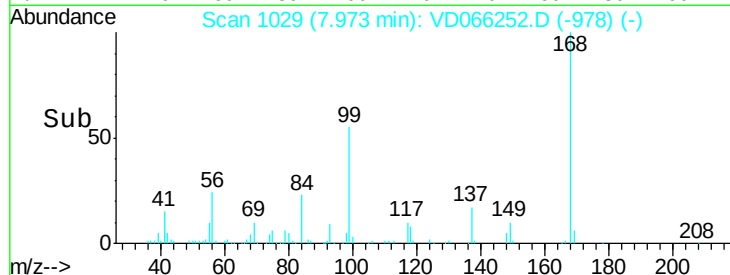
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.779 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066252.D

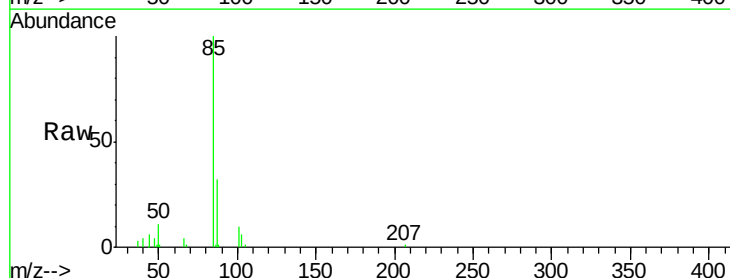
Acq: 17 Aug 2020 12:38

Tgt Ion: 85 Resp: 52504

Ion Ratio Lower Upper

85 100

87 32.5 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

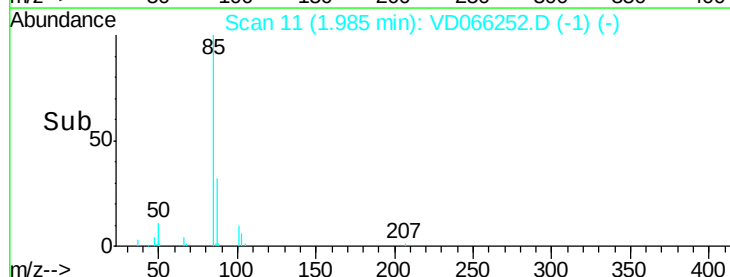
30000

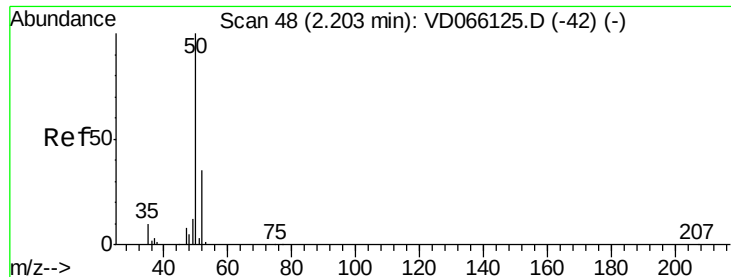
20000

10000

0

Time-->





#3

Chloromethane

Concen: 18.844 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD066252.D

Acq: 17 Aug 2020 12:38

Instrument :

MSVOA_D

ClientSampleId :

VD0817SBS01

Tot Ion: 50 Resp: 37039

Ion Ratio Lower Upper

50 100

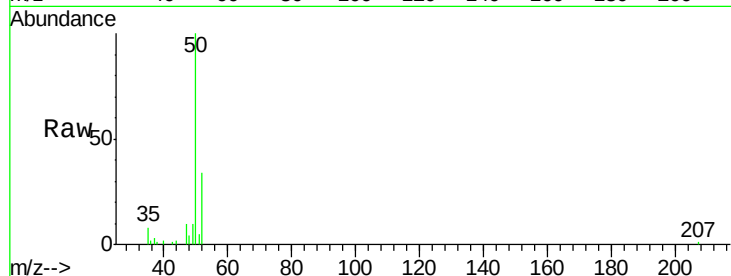
52 33.6 27.9 41.9

Manual Integrations

APPROVED

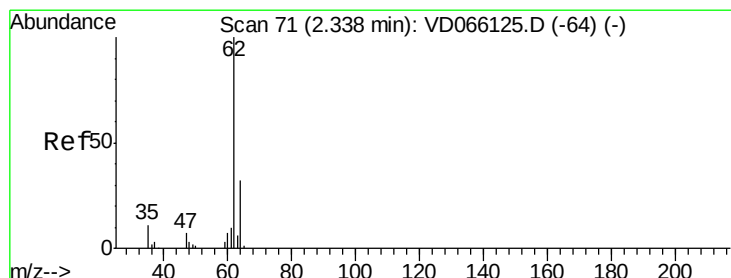
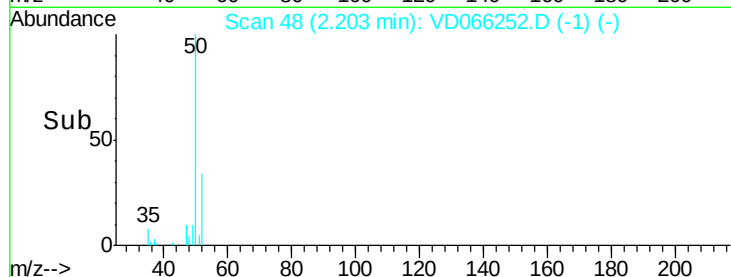
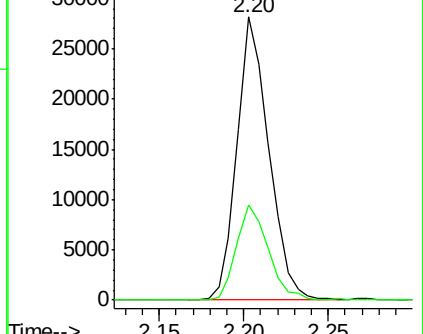
MMDadoda

8/18/2020 11:08:47 AM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.913 ug/l

RT: 2.34 min Scan# 72

Delta R.T. 0.01 min

Lab File: VD066252.D

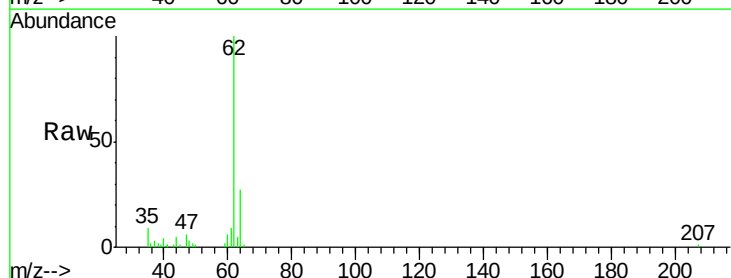
Acq: 17 Aug 2020 12:38

Tgt Ion: 62 Resp: 36392

Ion Ratio Lower Upper

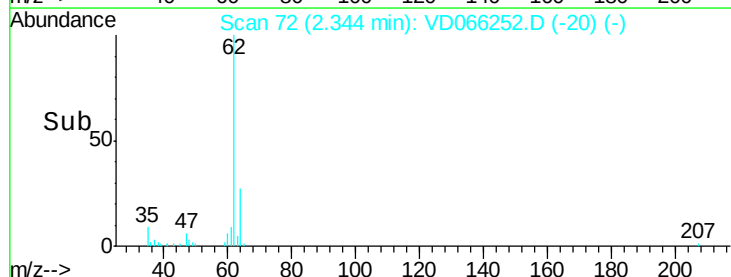
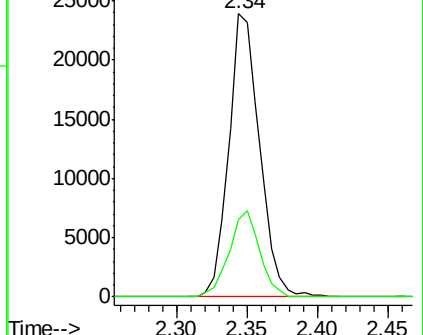
62 100

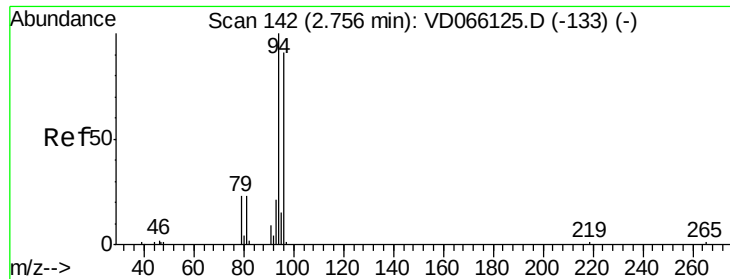
64 27.2 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.118 ug/l

RT: 2.76 min Scan# 142

Delta R.T. 0.00 min

Lab File: VD066252.D

Acq: 17 Aug 2020 12:38

Instrument :

MSVOA_D

ClientSampleId :

VD0817SBS01

Tot Ion: 94 Resp: 24381

Ion Ratio Lower Upper

94 100

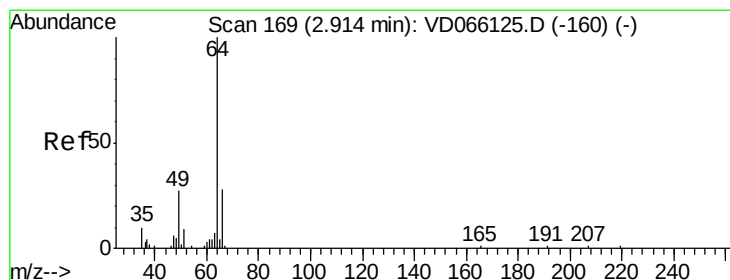
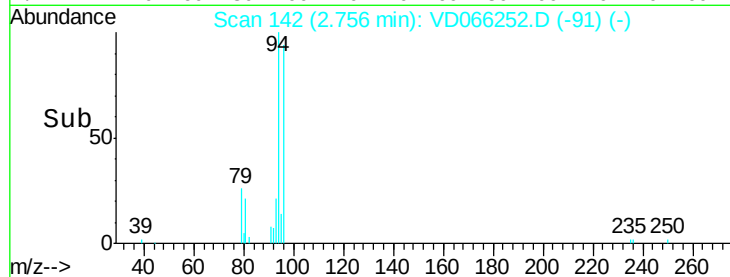
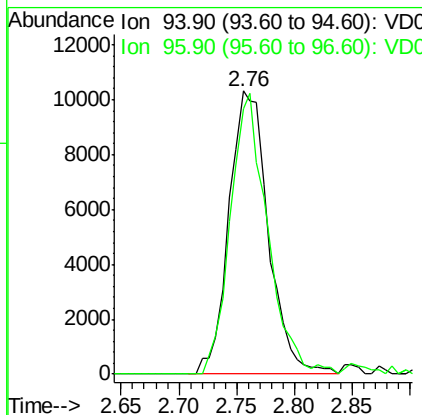
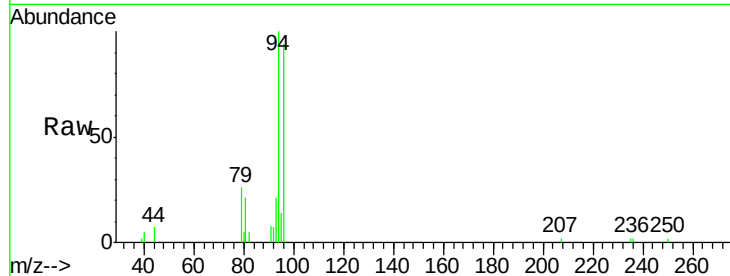
96 93.6 72.6 109.0

Manual Integrations

APPROVED

MMDadoda

8/18/2020 11:08:47 AM



#6

Chloroethane

Concen: 21.357 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.01 min

Lab File: VD066252.D

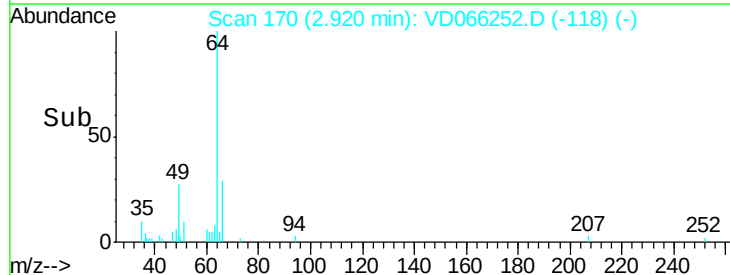
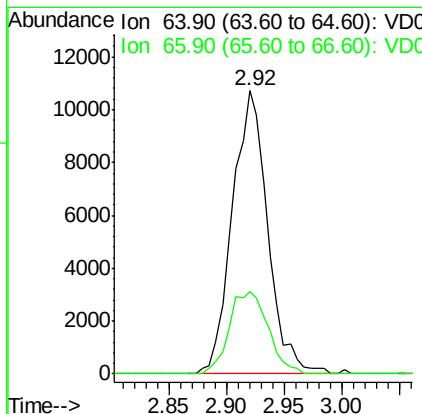
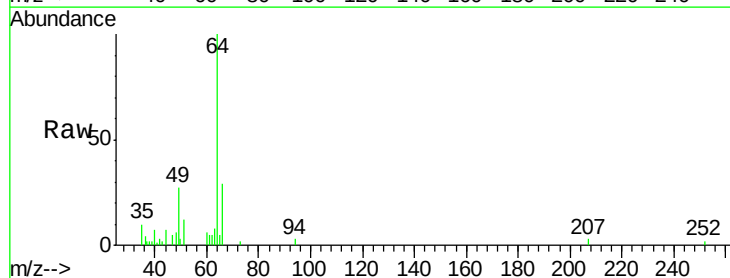
Acq: 17 Aug 2020 12:38

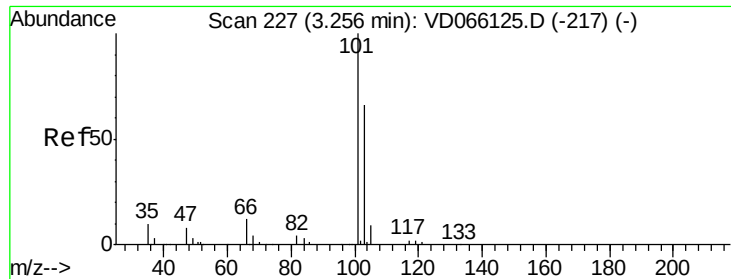
Tgt Ion: 64 Resp: 22813

Ion Ratio Lower Upper

64 100

66 28.9 22.0 33.0





#7

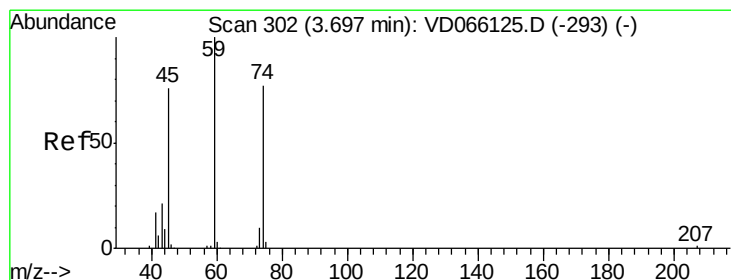
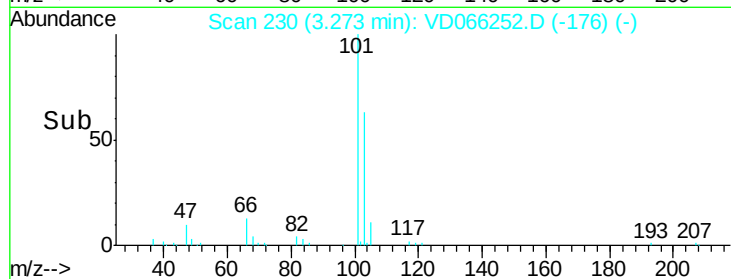
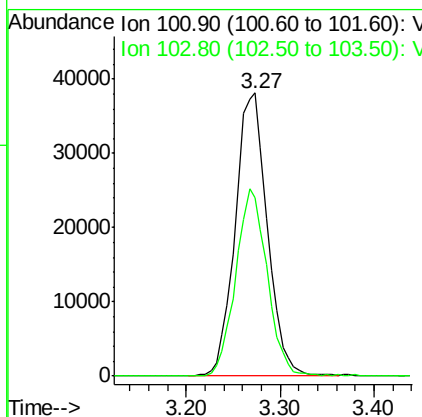
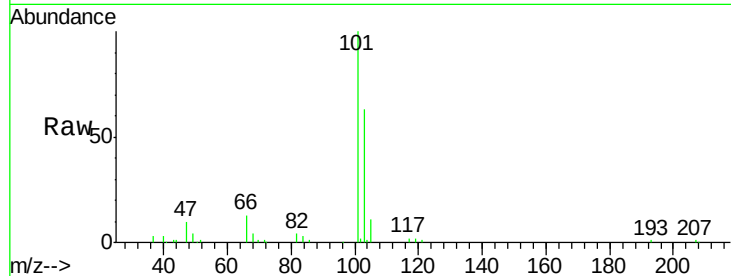
Trichlorofluoromethane
 Concen: 19.920 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.02 min
 Lab File: VD066252.D
 Acq: 17 Aug 2020 12:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0817SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	53.0	79.6

Manual Integrations
 APPROVED

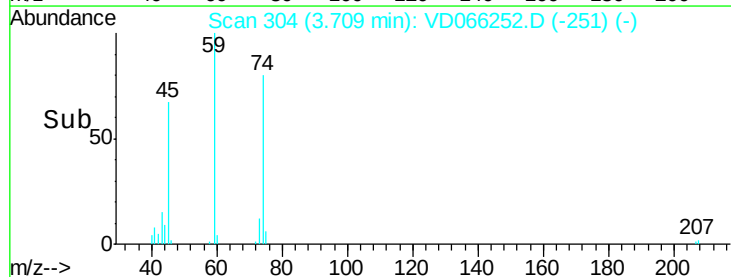
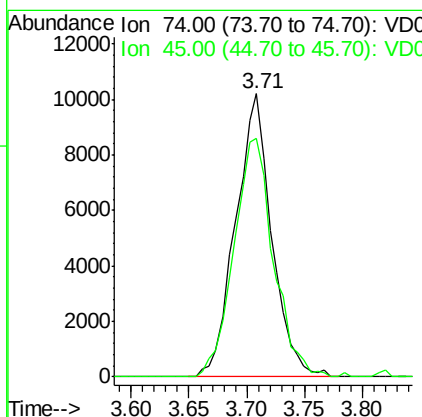
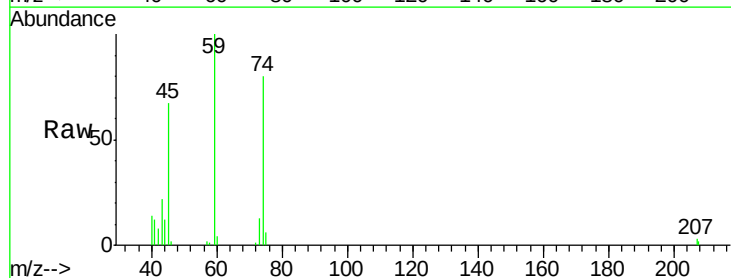
MMDadoda
 8/18/2020 11:08:47 AM

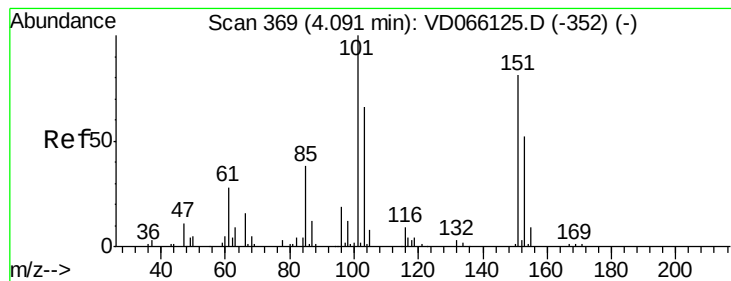


#8

Diethyl Ether
 Concen: 17.323 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.01 min
 Lab File: VD066252.D
 Acq: 17 Aug 2020 12:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.3	48.4	145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.971 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD066252.D

Acq: 17 Aug 2020 12:38

Instrument :

MSVOA_D

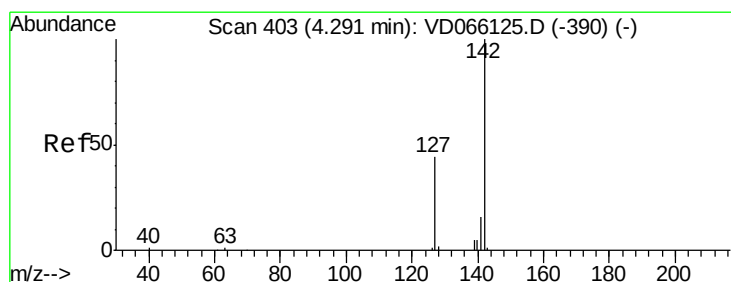
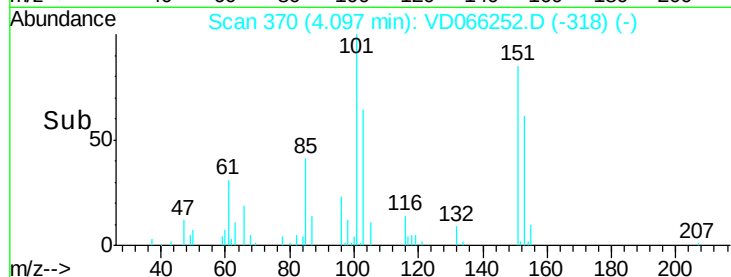
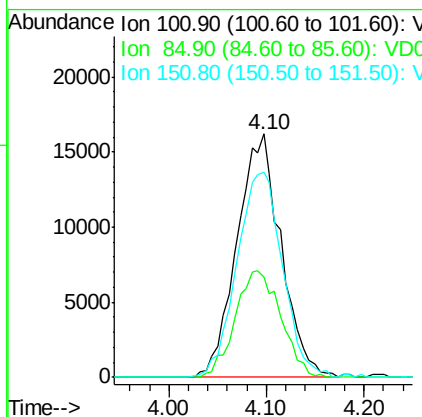
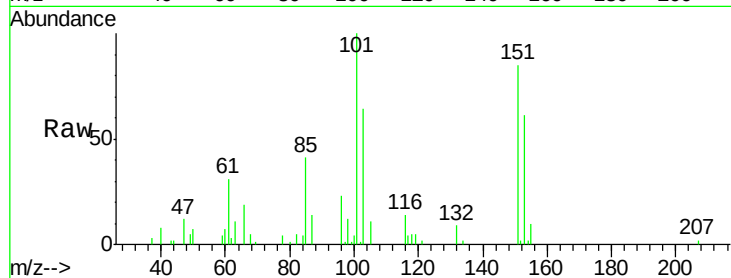
ClientSampleId :

VD0817SBS01

Tot Ion:	101	Resp:	51079
Ion Ratio	Lower	Upper	
101	100		
85	45.3	33.5	50.3
151	87.7	67.8	101.8

Manual Integrations
APPROVED

MMDadoda
8/18/2020 11:08:47 AM



#10

Methyl Iodide

Concen: 24.392 ug/l

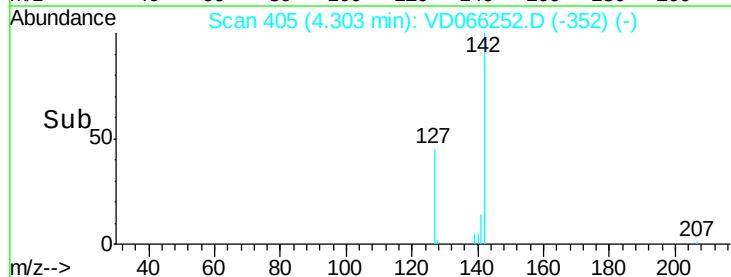
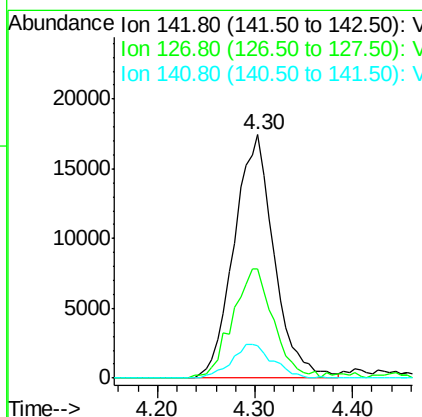
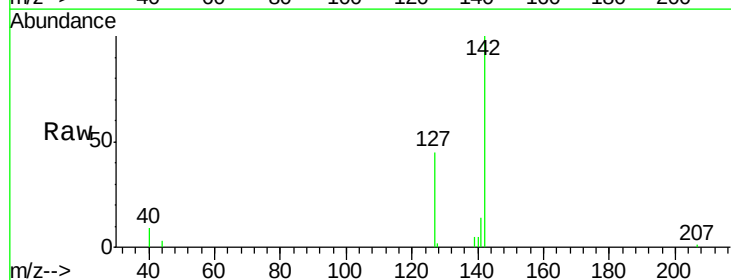
RT: 4.30 min Scan# 405

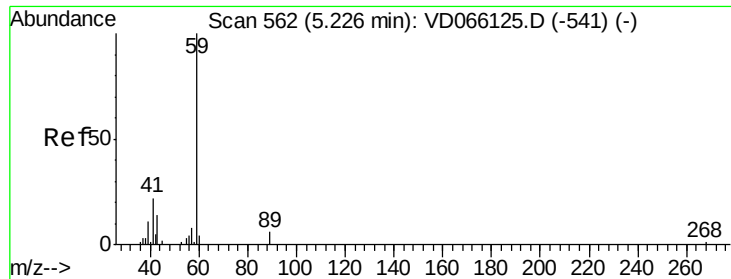
Delta R.T. 0.01 min

Lab File: VD066252.D

Acq: 17 Aug 2020 12:38

Tgt Ion:	142	Resp:	50058
Ion Ratio	Lower	Upper	
142	100		
127	45.7	36.2	54.4
141	14.0	12.6	18.8





#11

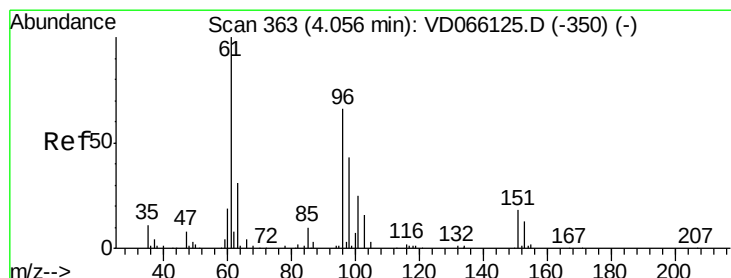
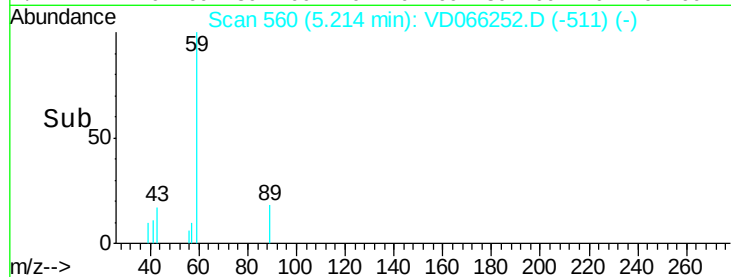
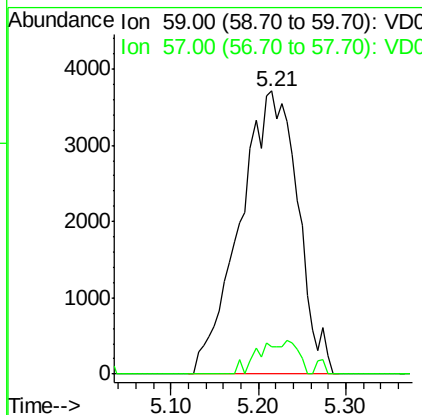
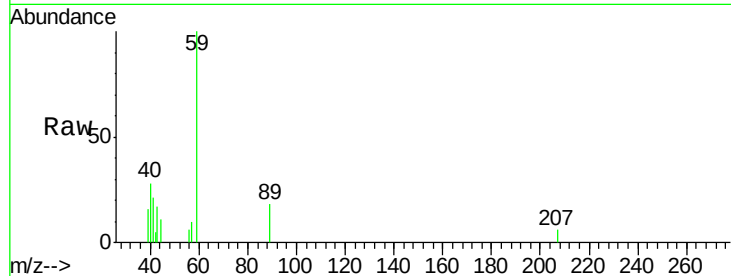
Tert butyl alcohol
 Concen: 59.397 ug/l
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD066252.D
 Acq: 17 Aug 2020 12:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0817SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.3	7.0	10.4#

Manual Integrations
 APPROVED

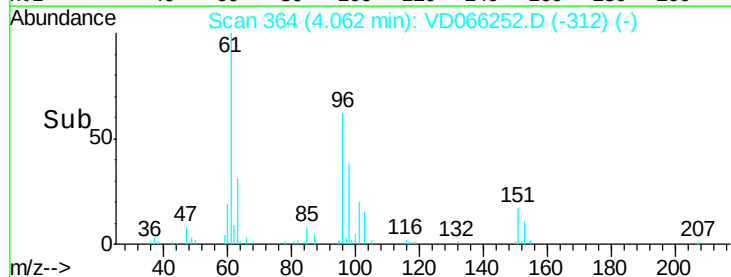
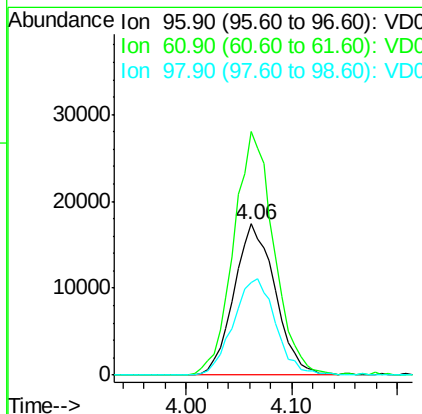
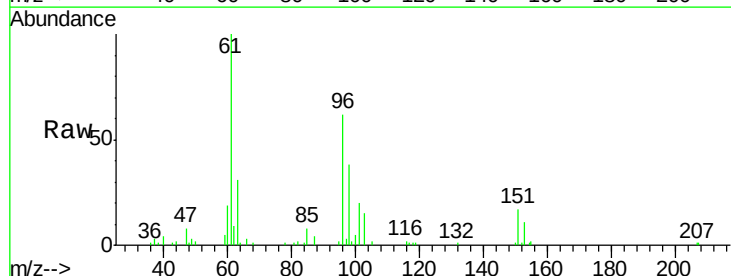
MMDadoda
 8/18/2020 11:08:47 AM

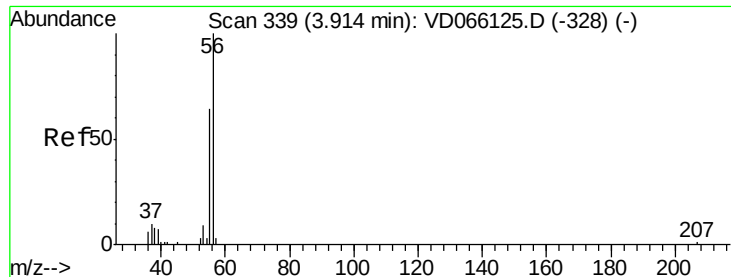


#12

1,1-Dichloroethene
 Concen: 18.538 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VD066252.D
 Acq: 17 Aug 2020 12:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.1	121.6	182.4
98	61.5	52.0	78.0





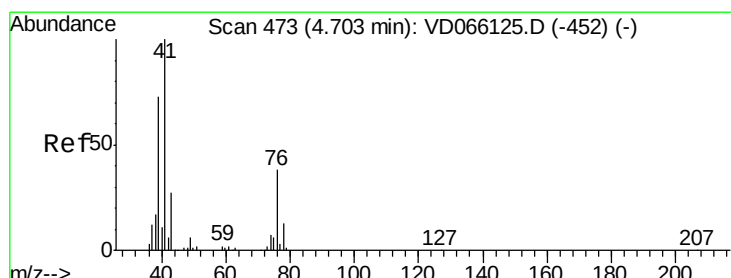
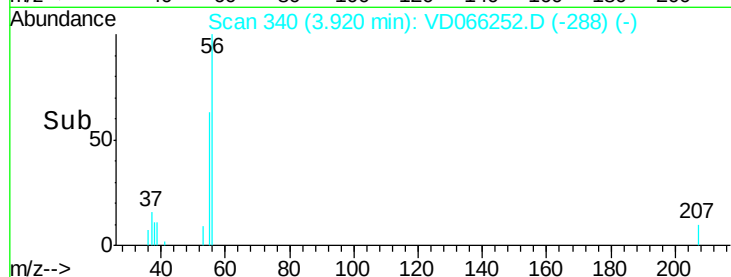
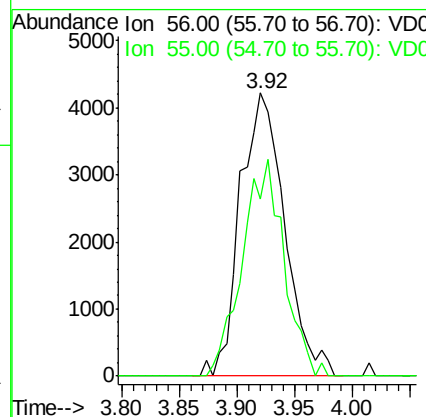
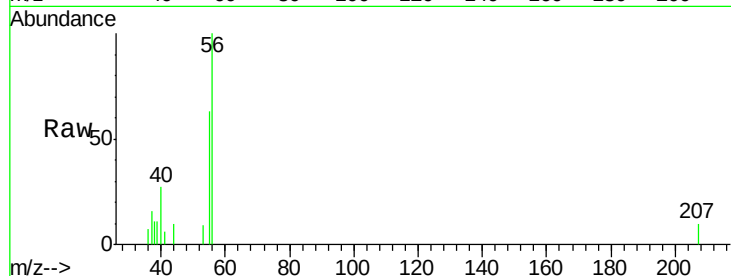
#13
Acrolein
Concen: 55.527 ug/l
RT: 3.92 min Scan# 340
Delta R.T. 0.01 min
Lab File: VD066252.D
Acq: 17 Aug 2020 12:38

Instrument :
MSVOA_D
ClientSampleId :
VD0817SBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	71.6	56.7	85.1	

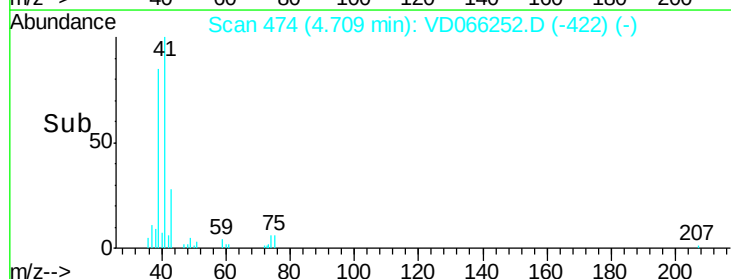
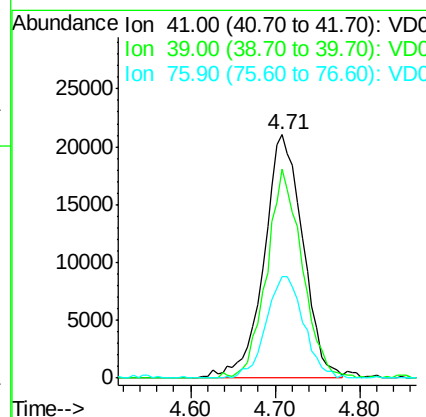
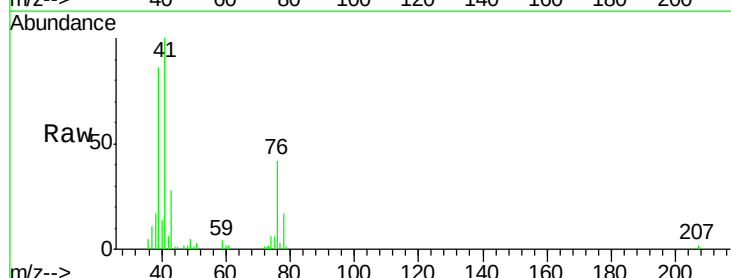
Manual Integrations
APPROVED

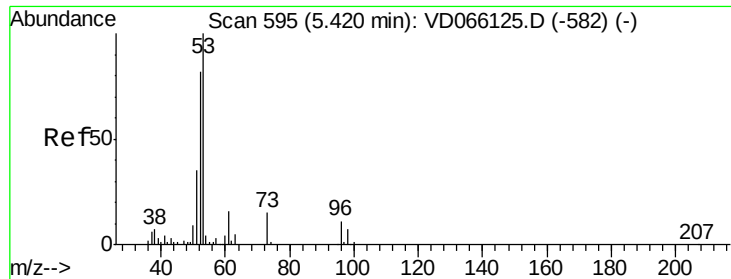
MMDadoda
8/18/2020 11:08:47 AM



#14
Allyl chloride
Concen: 17.470 ug/l
RT: 4.71 min Scan# 474
Delta R.T. 0.01 min
Lab File: VD066252.D
Acq: 17 Aug 2020 12:38

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	78.6	57.4	86.0	
76	40.3	30.1	45.1	





#15

Acrylonitrile

Concen: 86.511 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD066252.D

Acq: 17 Aug 2020 12:38

Instrument :

MSVOA_D

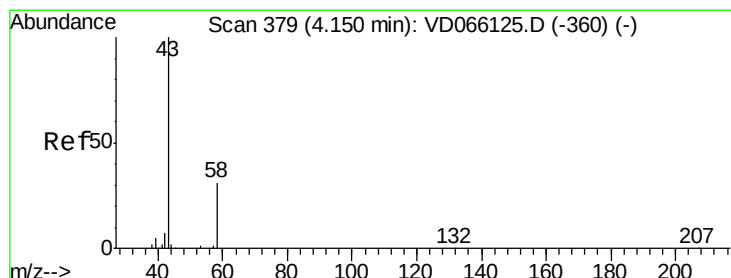
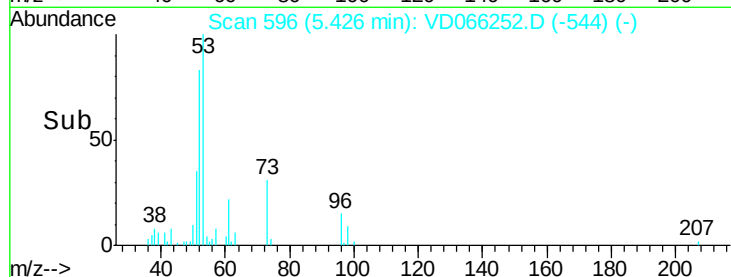
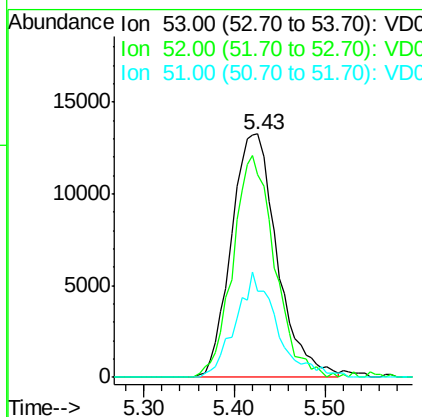
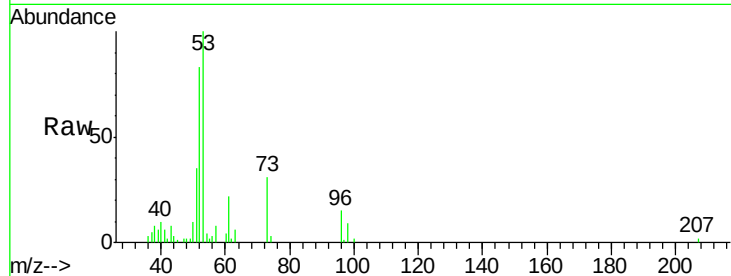
ClientSampleId :

VD0817SBS01

Tot Ion:	53	Resp:	46667
Ion Ratio	Lower	Upper	
53	100		
52	82.6	66.1	99.1
51	38.9	30.8	46.2

Manual Integrations
APPROVED

MMDadoda
8/18/2020 11:08:47 AM



#16

Acetone

Concen: 90.879 ug/l

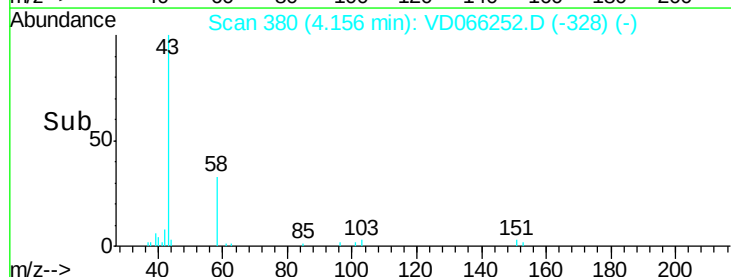
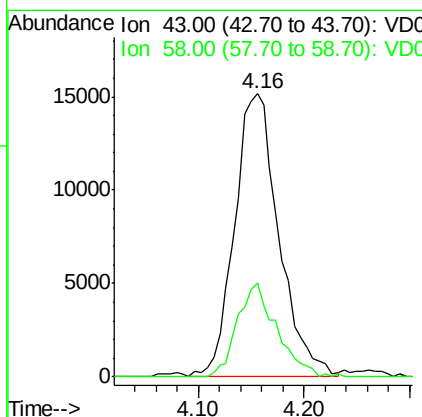
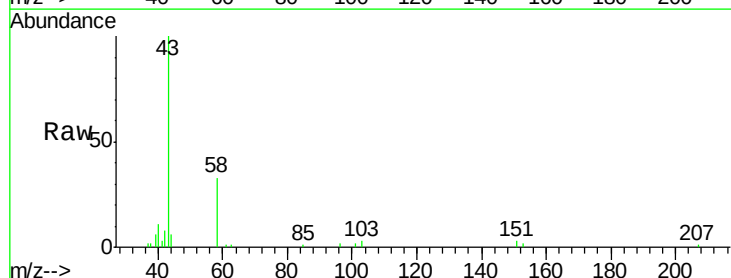
RT: 4.16 min Scan# 380

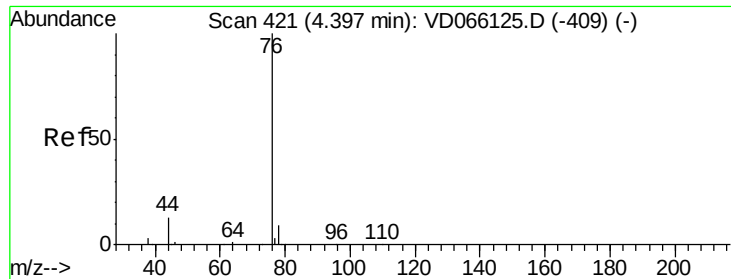
Delta R.T. 0.01 min

Lab File: VD066252.D

Acq: 17 Aug 2020 12:38

Tgt Ion:	43	Resp:	44121
Ion Ratio	Lower	Upper	
43	100		
58	33.3	24.7	37.1





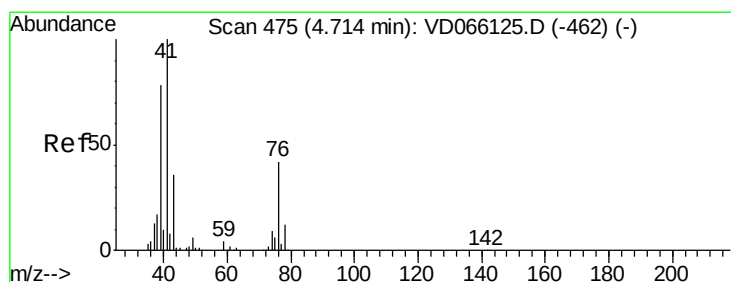
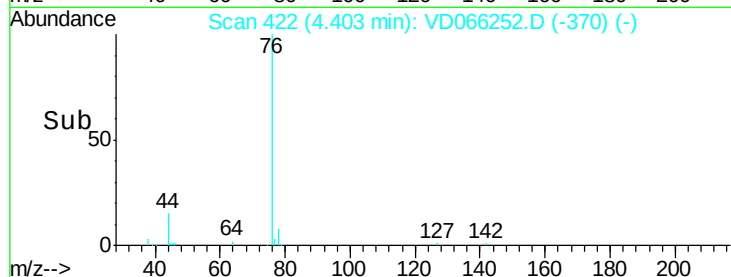
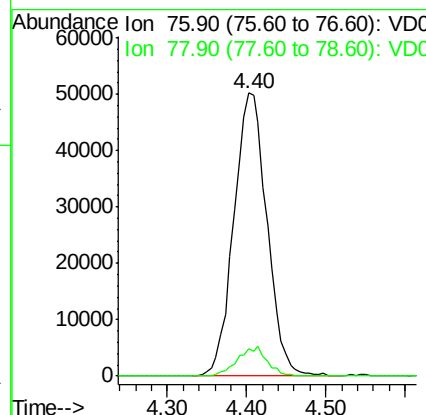
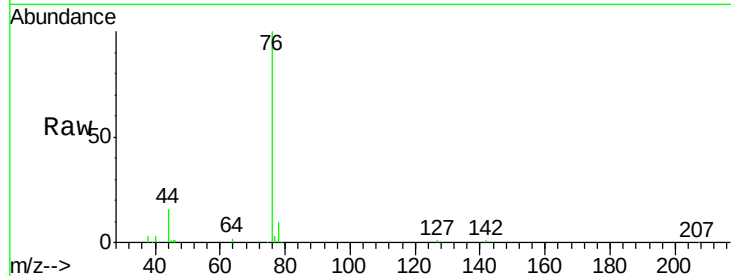
#17
Carbon Disulfide
Concen: 17.969 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD066252.D
Acq: 17 Aug 2020 12:38

Instrument :
MSVOA_D
ClientSampleId :
VD0817SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.5	11.3

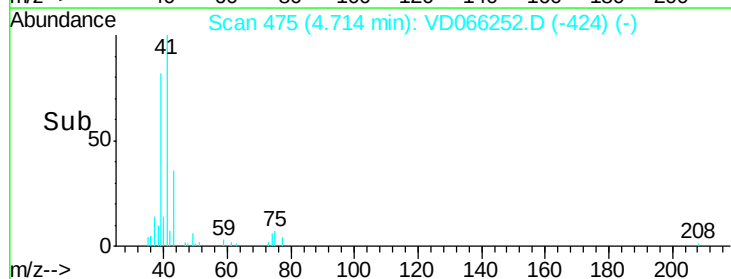
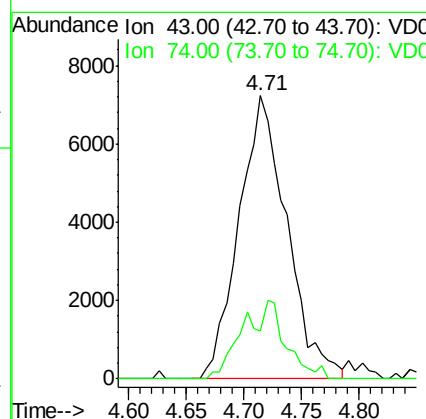
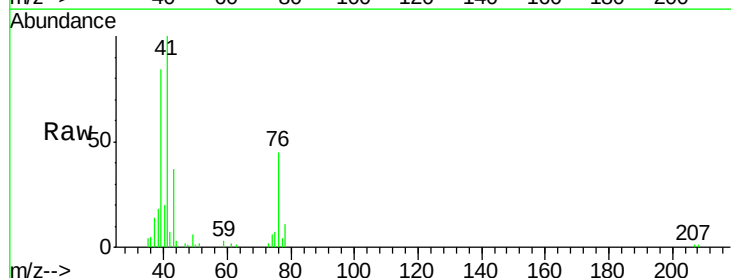
Manual Integrations
APPROVED

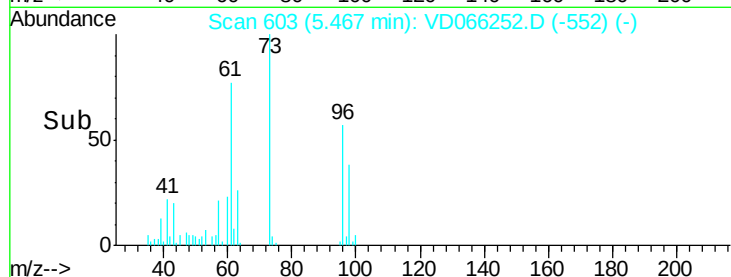
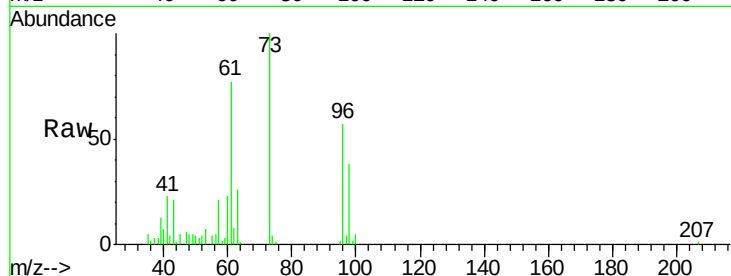
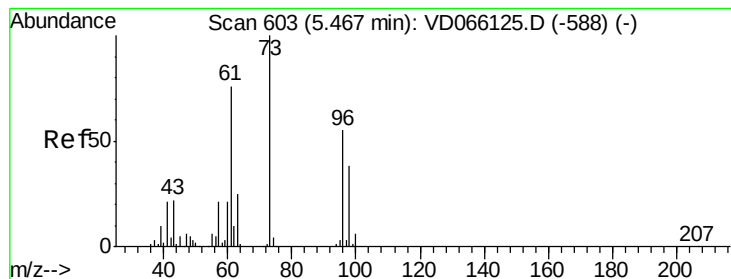
MMDadoda
8/18/2020 11:08:47 AM



#18
Methyl Acetate
Concen: 16.936 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD066252.D
Acq: 17 Aug 2020 12:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	12.8	21.2	31.8#





#19

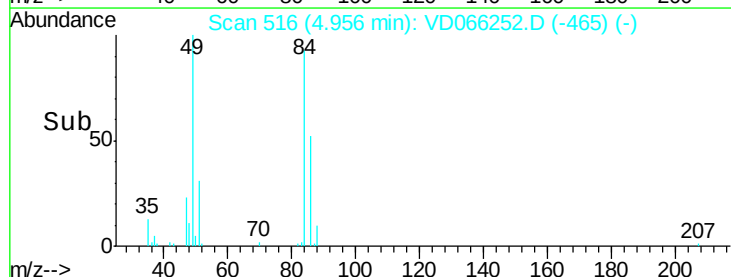
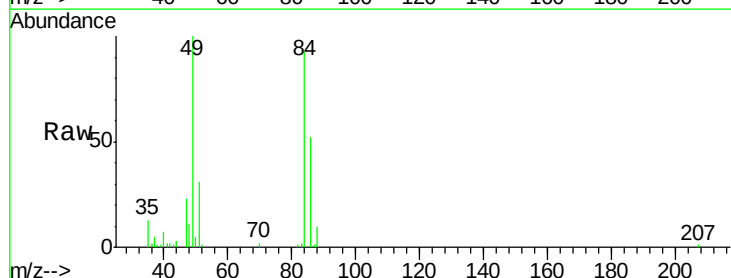
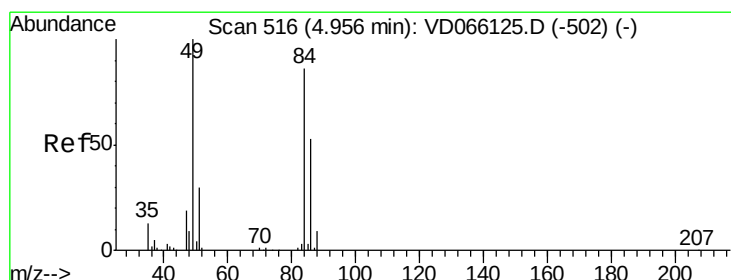
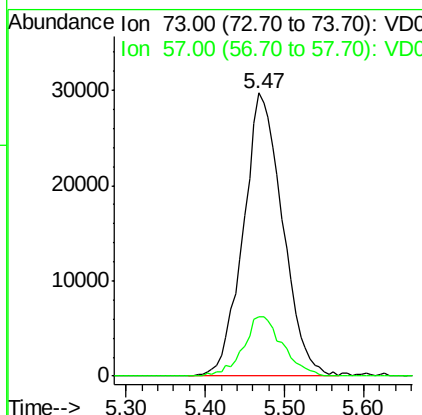
Methyl tert-butyl Ether
 Concen: 17.609 ug/l
 RT: 5.47 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: VD066252.D
 Acq: 17 Aug 2020 12:38

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.1	25.7

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0817SBS01

Manual Integrations
 APPROVED

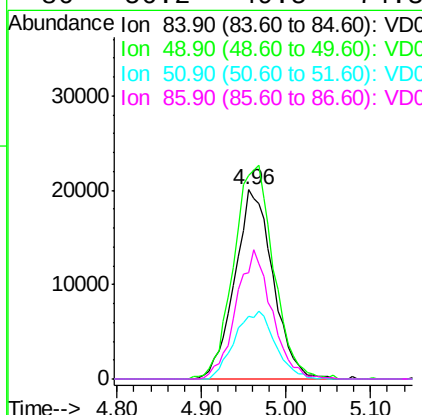
MMDadoda
 8/18/2020 11:08:47 AM

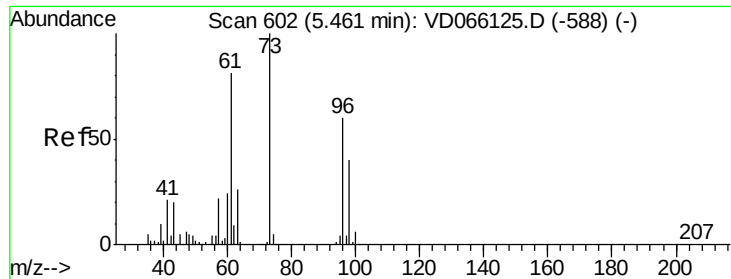


#20

Methylene Chloride
 Concen: 19.821 ug/l
 RT: 4.96 min Scan# 516
 Delta R.T. 0.00 min
 Lab File: VD066252.D
 Acq: 17 Aug 2020 12:38

Tgt Ion	Ratio	Lower	Upper
84	100		
49	107.6	93.5	140.3
51	33.4	28.2	42.4
86	56.2	49.5	74.3





#21

trans-1,2-Dichloroethene

Concen: 18.163 ug/l

RT: 5.46 min Scan# 602

Delta R.T. 0.00 min

Lab File: VD066252.D

Acq: 17 Aug 2020 12:38

Instrument :

MSVOA_D

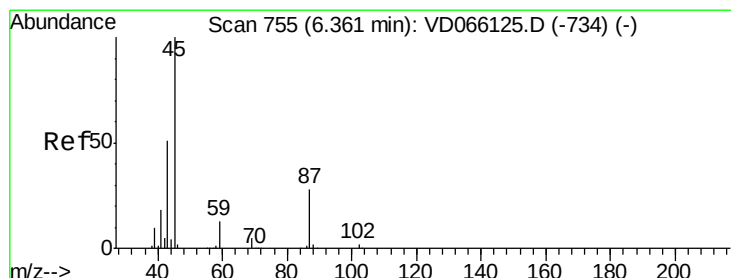
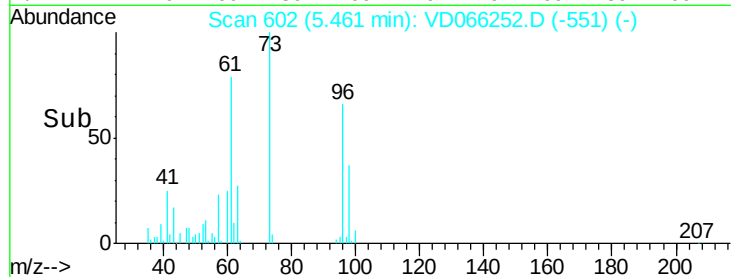
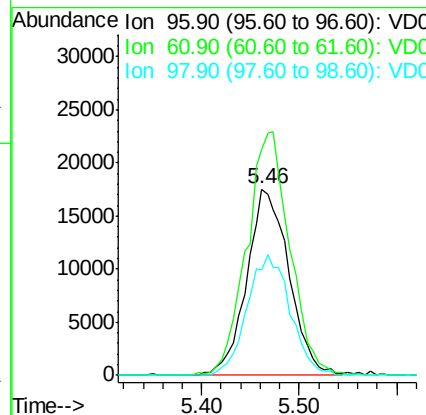
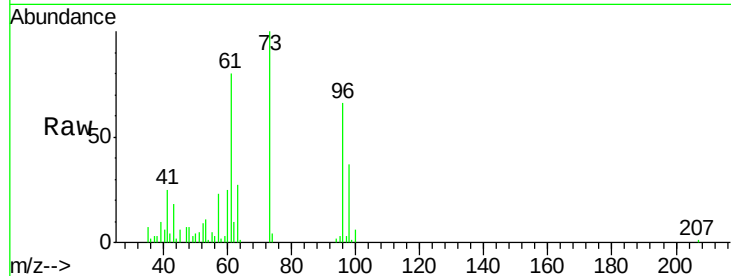
ClientSampleId :

VD0817SBS01

Tot Ion:	96	Resp:	52997
Ion	Ratio	Lower	Upper
96	100		
61	121.1	106.9	160.3
98	56.3	53.4	80.0

Manual Integrations
APPROVED

MMDadoda
8/18/2020 11:08:47 AM



#22

Diisopropyl ether

Concen: 17.827 ug/l

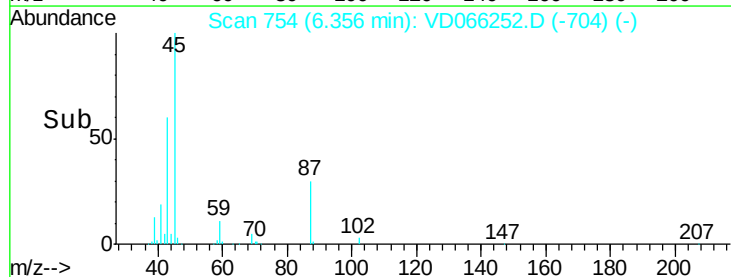
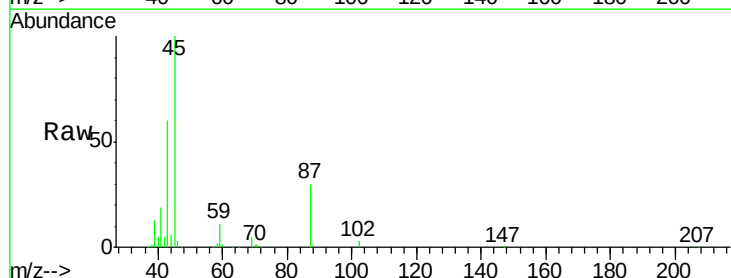
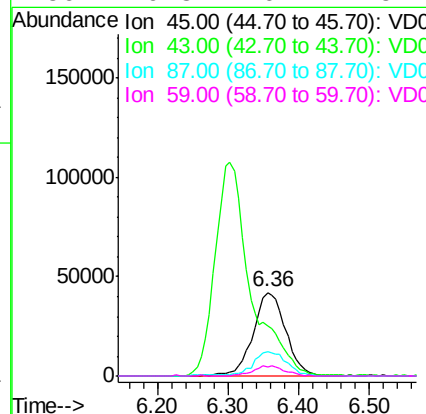
RT: 6.36 min Scan# 754

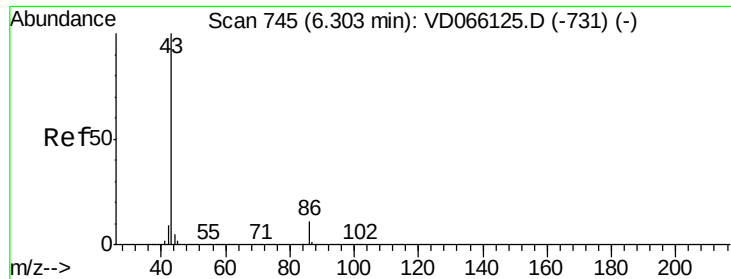
Delta R.T. -0.01 min

Lab File: VD066252.D

Acq: 17 Aug 2020 12:38

Tgt Ion:	45	Resp:	135653
Ion	Ratio	Lower	Upper
45	100		
43	59.0	41.2	61.8
87	29.8	22.8	34.2
59	10.8	10.2	15.2





#23

Vinyl Acetate

Concen: 84.773 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066252.D

Acq: 17 Aug 2020 12:38

Instrument :

MSVOA_D

ClientSampleId :

VD0817SBS01

Tot Ion: 43 Resp: 377908

Ion Ratio Lower Upper

43 100

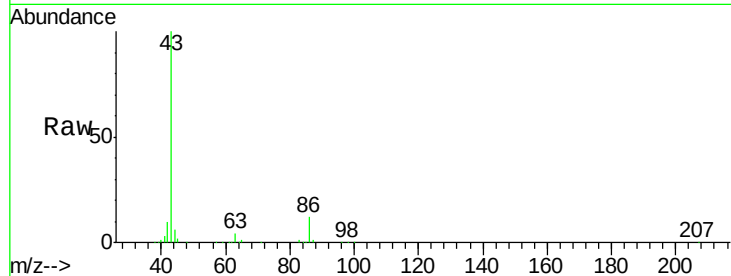
86 11.5 9.1 13.7

Manual Integrations

APPROVED

MMDadoda

8/18/2020 11:08:47 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

120000

100000

80000

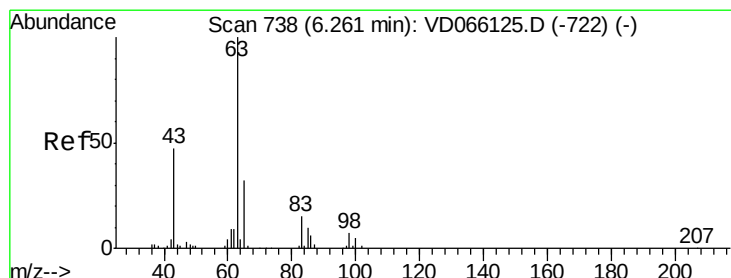
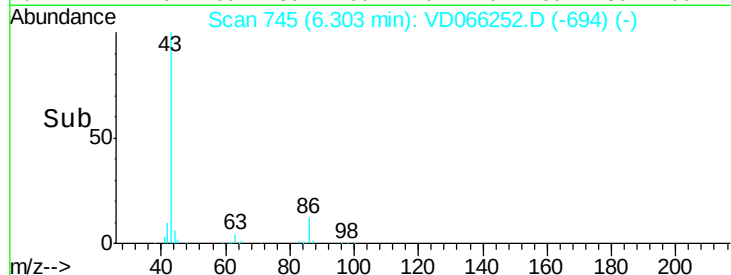
60000

40000

20000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 18.428 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD066252.D

Acq: 17 Aug 2020 12:38

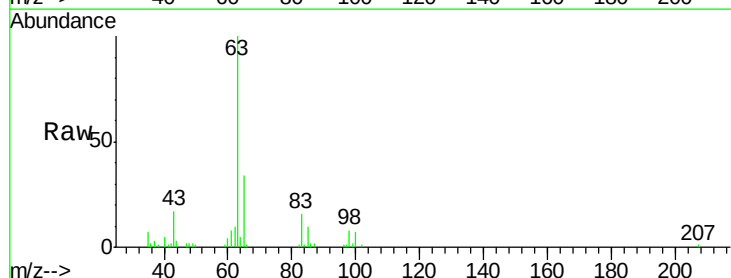
Tgt Ion: 63 Resp: 86782

Ion Ratio Lower Upper

63 100

98 8.0 3.5 10.5

100 7.3 2.4 7.2#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

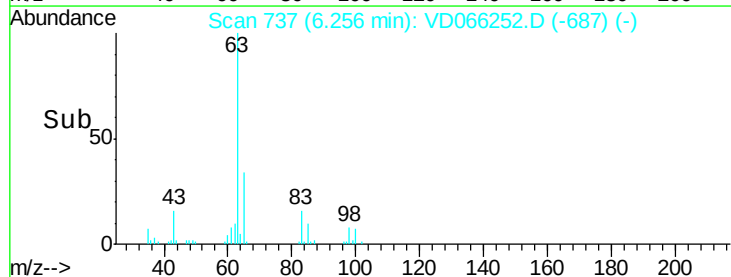
30000

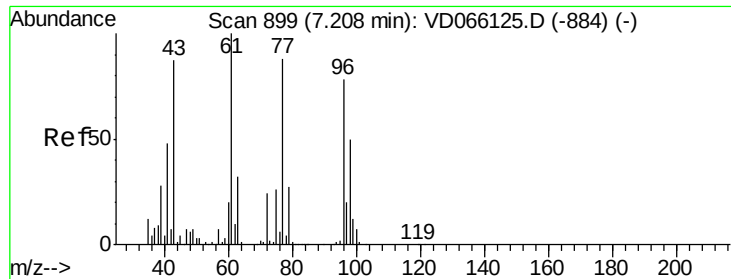
20000

10000

0

Time--> 6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 83.583 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066252.D

Acq: 17 Aug 2020 12:38

Instrument :

MSVOA_D

ClientSampleId :

VD0817SBS01

Tot Ion: 43 Resp: 59684

Ion Ratio Lower Upper

43 100

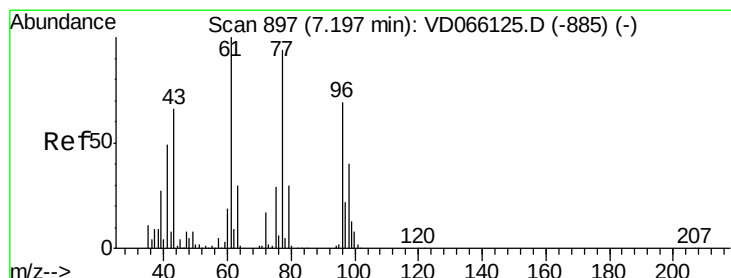
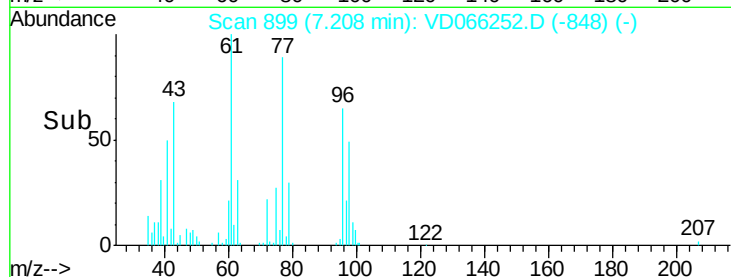
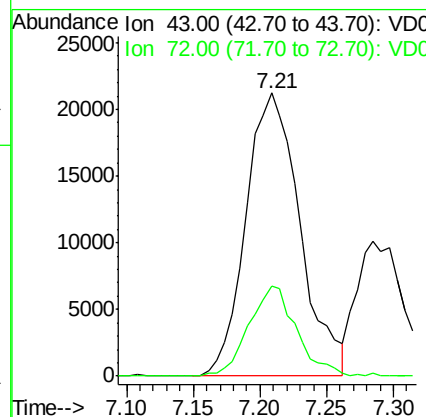
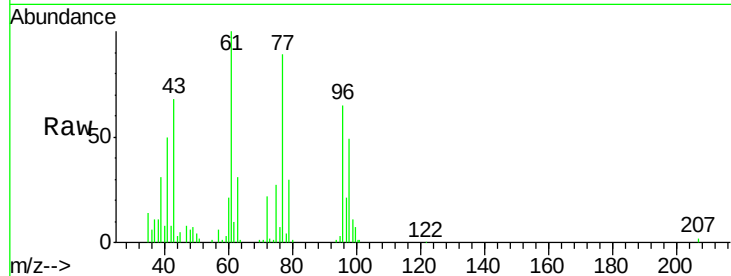
72 31.6 22.2 33.2

Manual Integrations

APPROVED

MMDadoda

8/18/2020 11:08:47 AM



#26

2,2-Dichloropropane

Concen: 20.029 ug/l

RT: 7.20 min Scan# 898

Delta R.T. 0.01 min

Lab File: VD066252.D

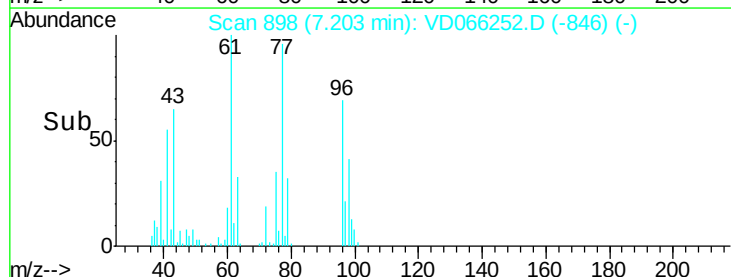
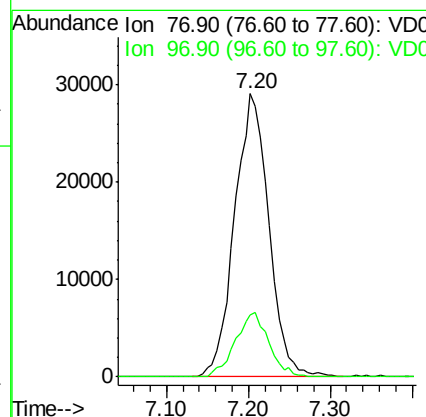
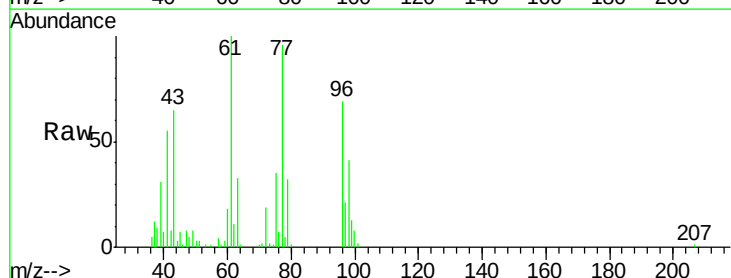
Acq: 17 Aug 2020 12:38

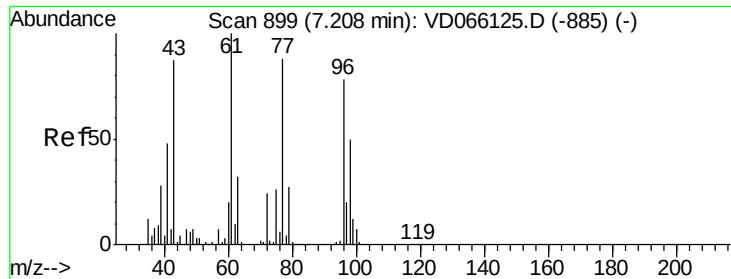
Tgt Ion: 77 Resp: 84534

Ion Ratio Lower Upper

77 100

97 22.2 11.8 35.3





#27

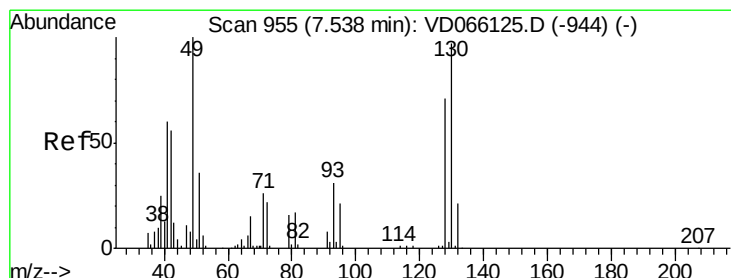
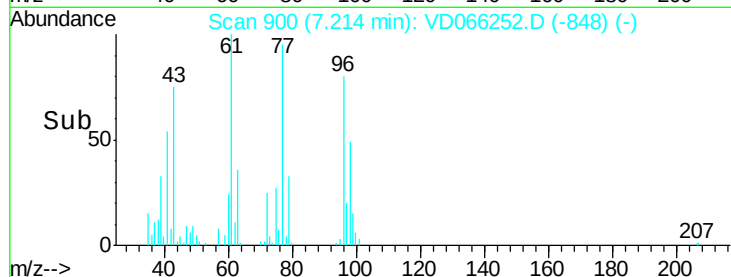
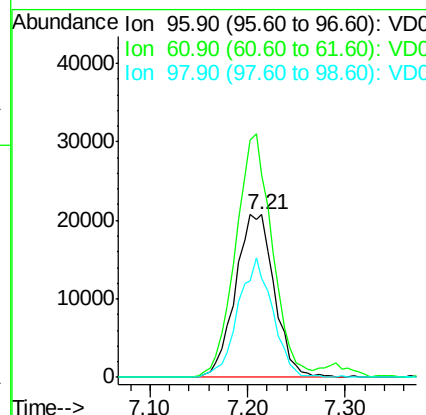
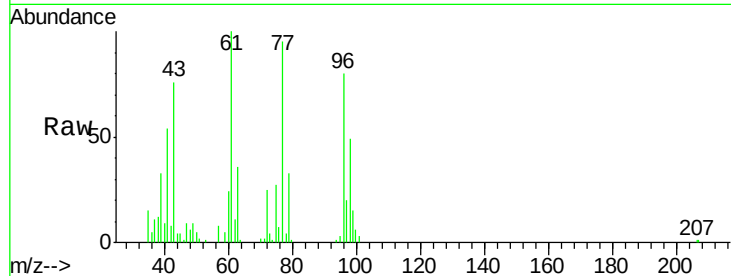
cis-1,2-Dichloroethene
Concen: 18.900 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD066252.D
Acq: 17 Aug 2020 12:38

Instrument :
MSVOA_D
ClientSampleId :
VD0817SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	57842		
61	141.1	0.0	281.6	
98	65.2	0.0	130.8	

Manual Integrations
APPROVED

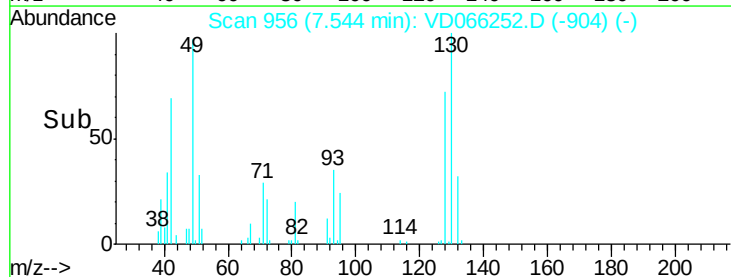
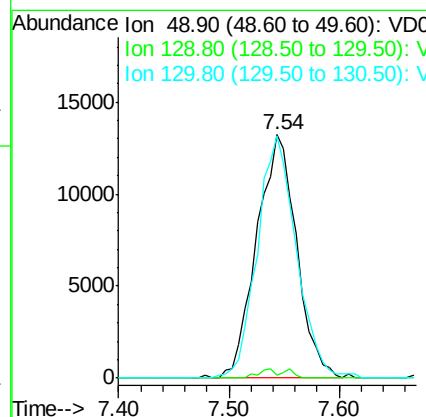
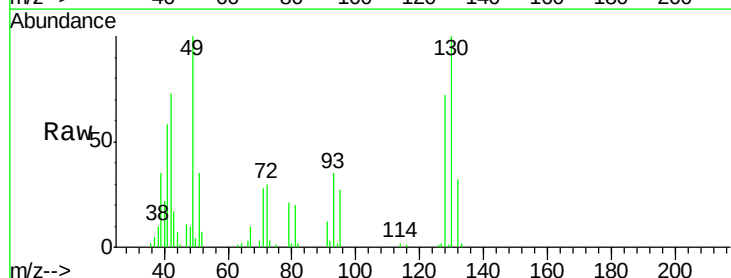
MMDadoda
8/18/2020 11:08:47 AM

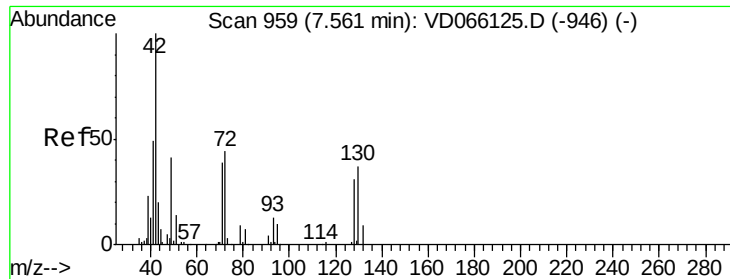


#28

Bromochloromethane
Concen: 20.265 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.01 min
Lab File: VD066252.D
Acq: 17 Aug 2020 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	33517		
129	1.6	0.0	6.0	
130	97.4	73.8	110.6	





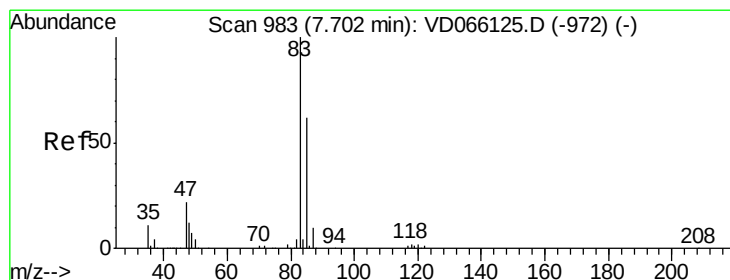
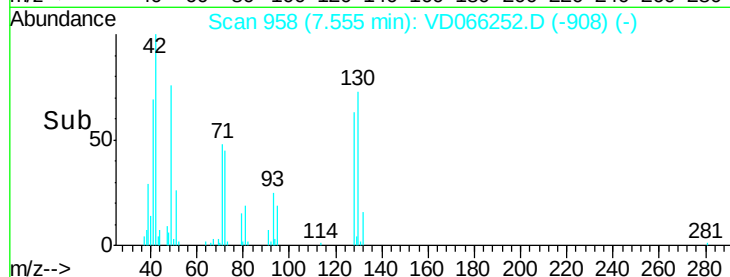
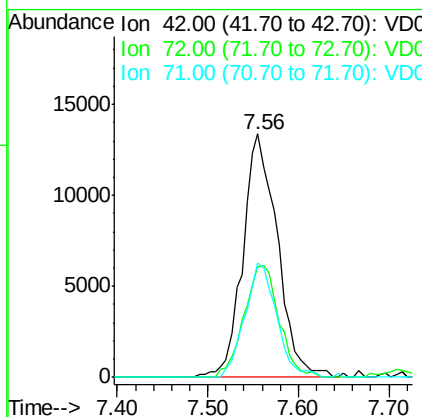
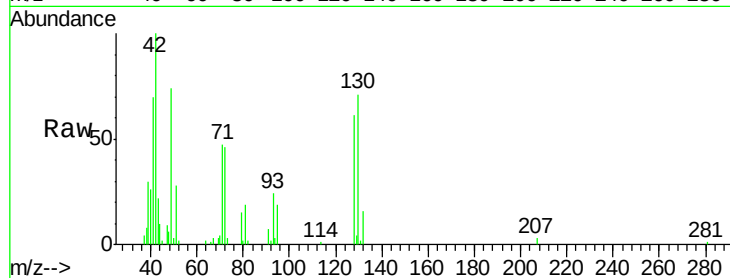
#29
Tetrahydrofuran
Concen: 80.244 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066252.D
Acq: 17 Aug 2020 12:38

Instrument :
MSVOA_D
ClientSampleId :
VD0817SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.7	34.8	52.2
71	43.2	33.5	50.3

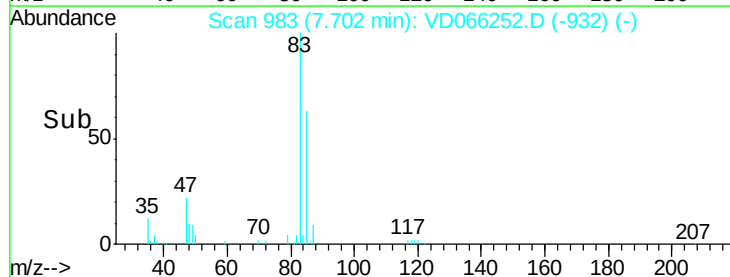
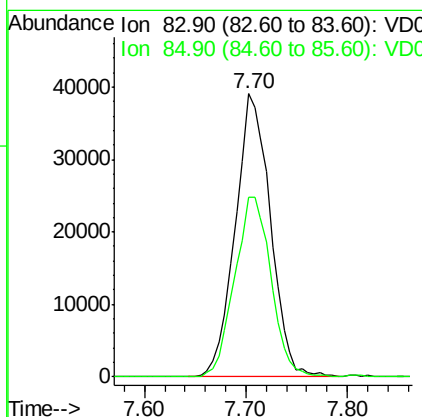
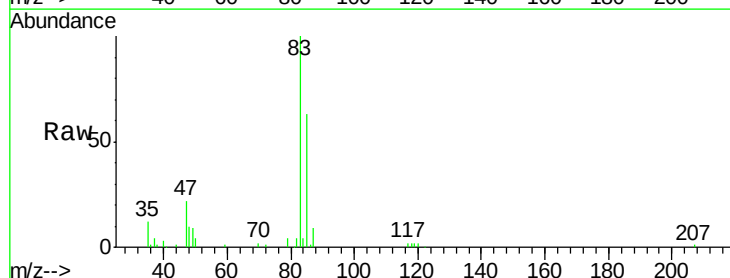
Manual Integrations
APPROVED

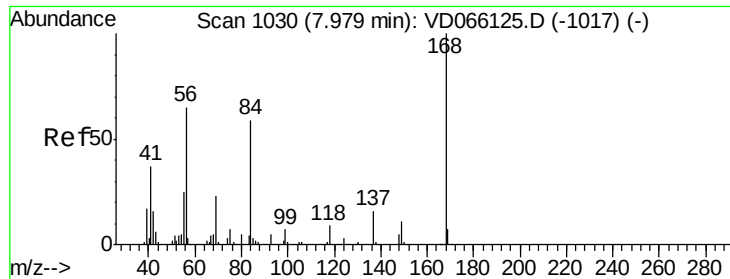
MMDadoda
8/18/2020 11:08:47 AM



#30
Chloroform
Concen: 19.029 ug/l
RT: 7.70 min Scan# 983
Delta R.T. 0.00 min
Lab File: VD066252.D
Acq: 17 Aug 2020 12:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	49.5	74.3





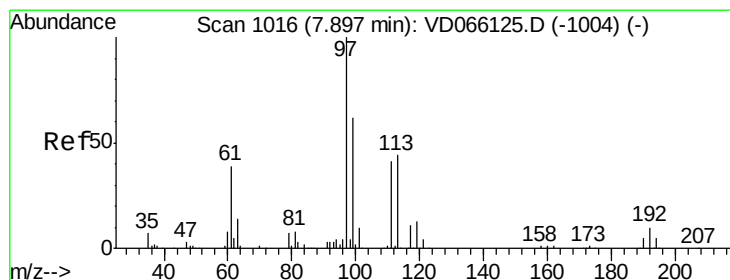
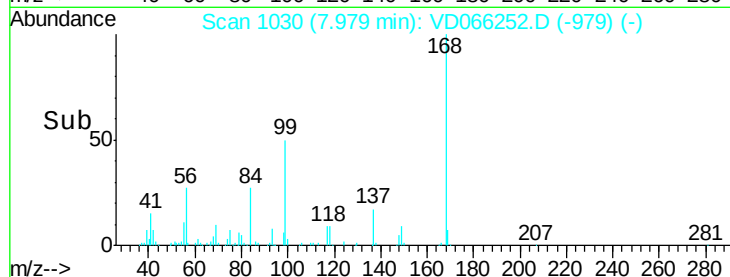
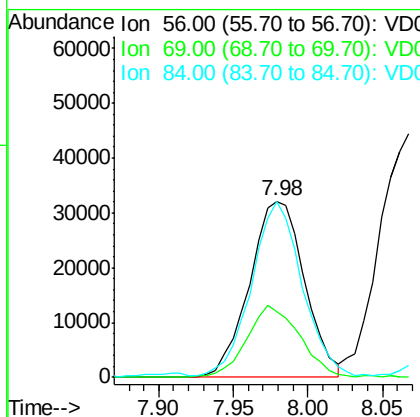
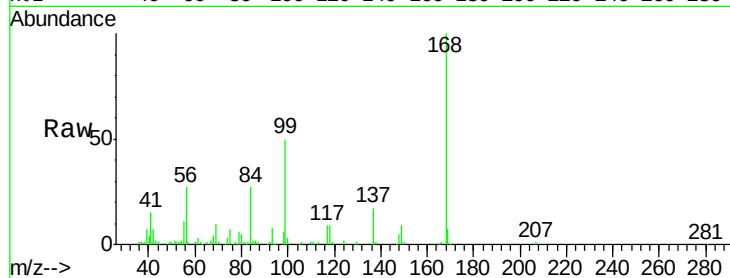
#31
Cyclohexane
Concen: 18.315 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066252.D
Acq: 17 Aug 2020 12:38

Instrument :
MSVOA_D
ClientSampleId :
VD0817SBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	37.5	28.8	43.2	
84	98.8	73.0	109.6	

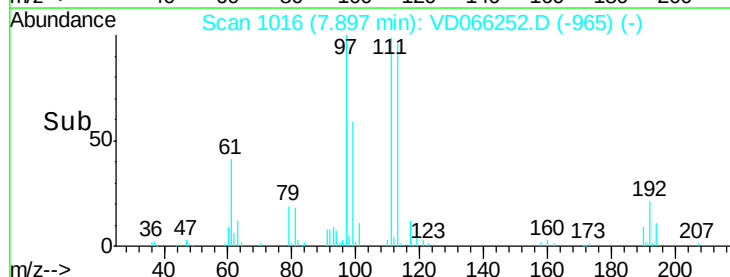
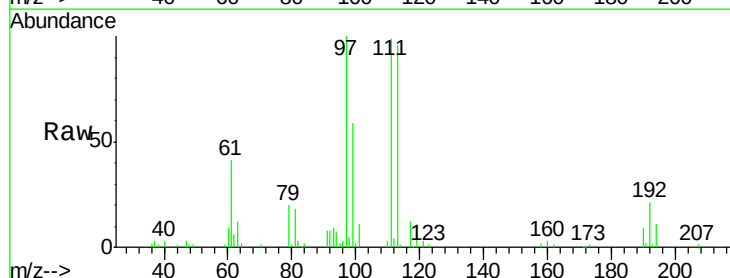
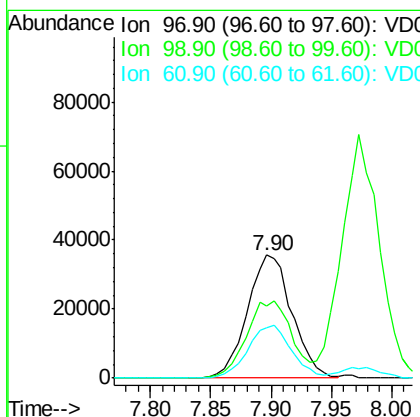
Manual Integrations
APPROVED

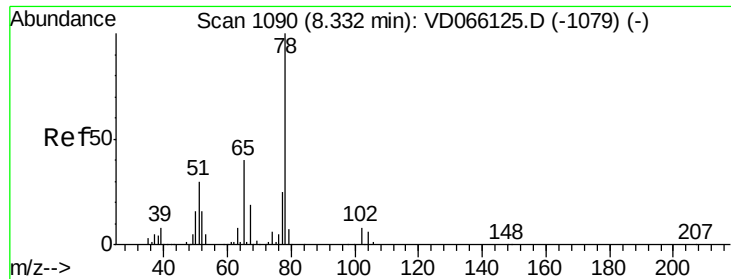
MMDadoda
8/18/2020 11:08:47 AM



#32
1,1,1-Trichloroethane
Concen: 19.692 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VD066252.D
Acq: 17 Aug 2020 12:38

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.0	51.1	76.7	
61	42.2	32.7	49.1	





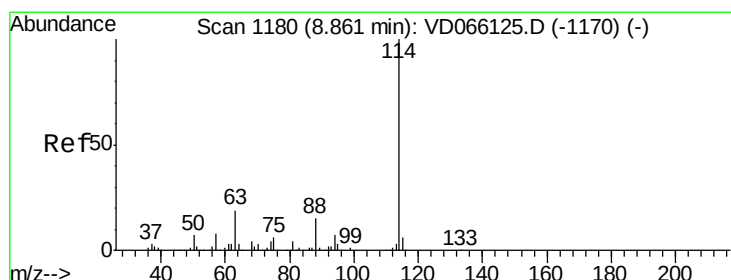
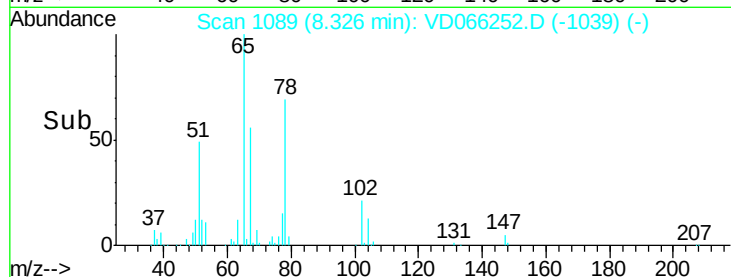
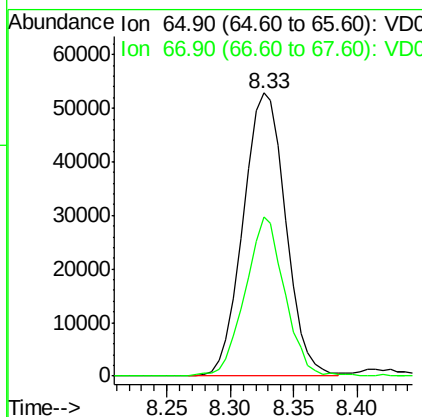
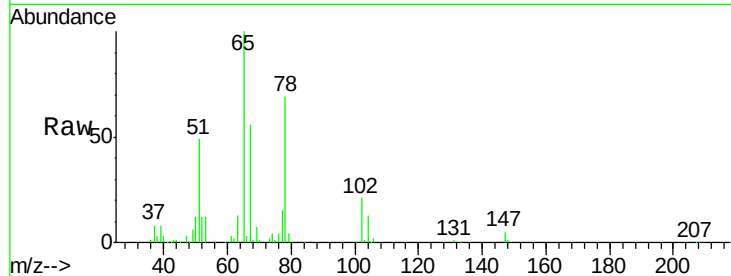
#33
 1,2-Dichloroethane-d4
 Concen: 48.198 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066252.D
 Acq: 17 Aug 2020 12:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0817SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	123324		
67	52.3	0.0	104.6	

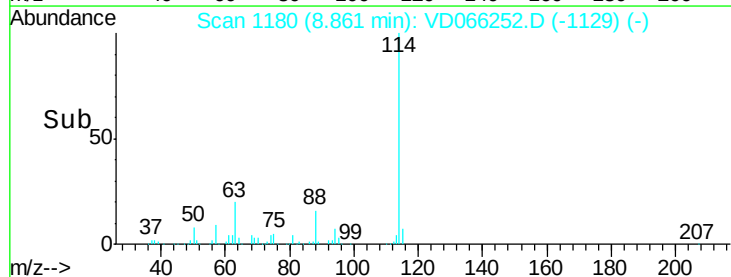
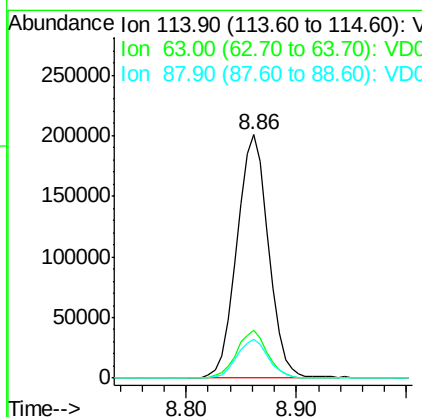
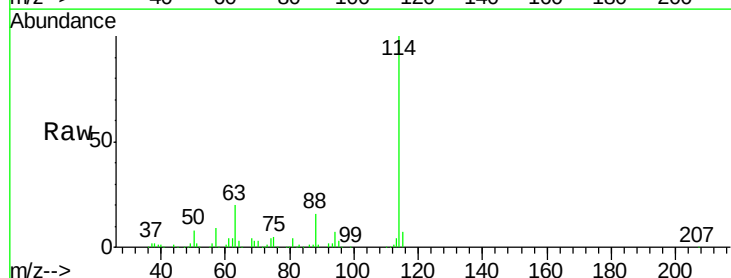
Manual Integrations
 APPROVED

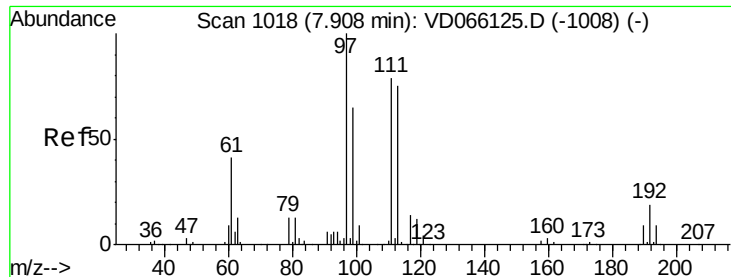
MMDadoda
 8/18/2020 11:08:47 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066252.D
 Acq: 17 Aug 2020 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	405552		
63	19.7	0.0	38.6	
88	16.1	0.0	30.0	





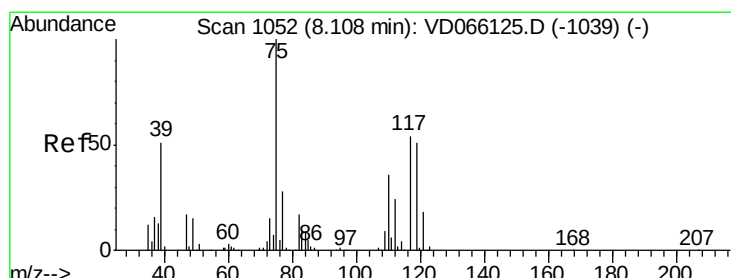
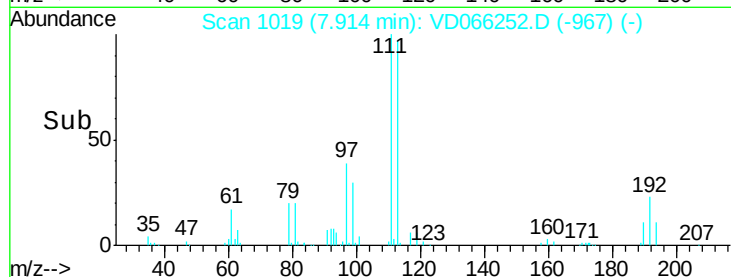
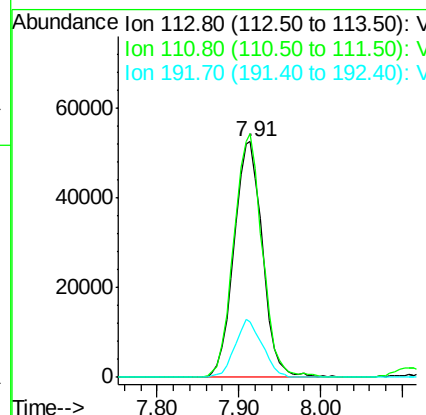
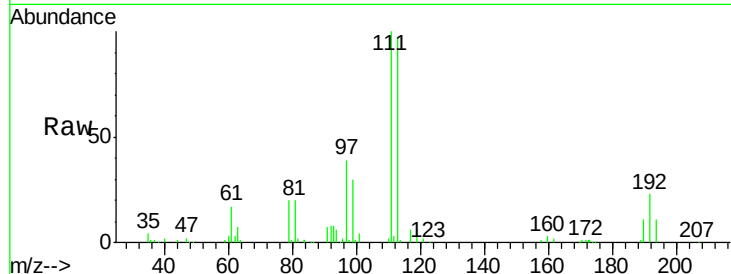
#35
 Dibromofluoromethane
 Concen: 49.572 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066252.D
 Acq: 17 Aug 2020 12:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0817SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	127358		
111	103.3	80.7	121.1	
192	23.6	18.4	27.6	

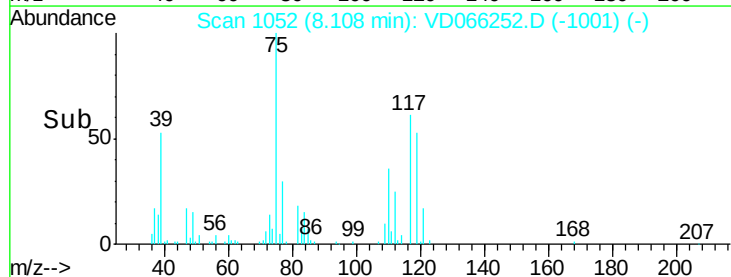
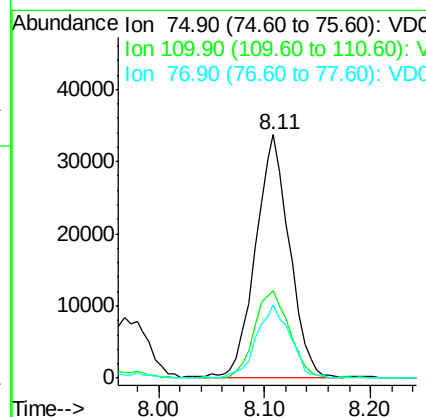
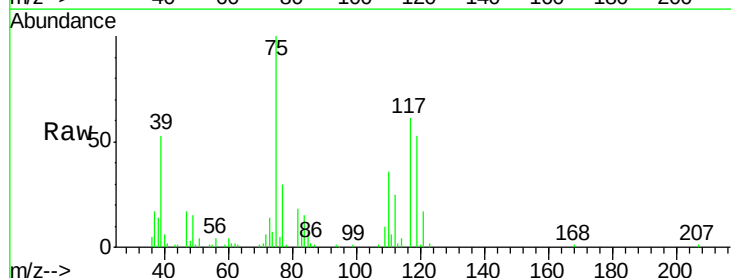
Manual Integrations
 APPROVED

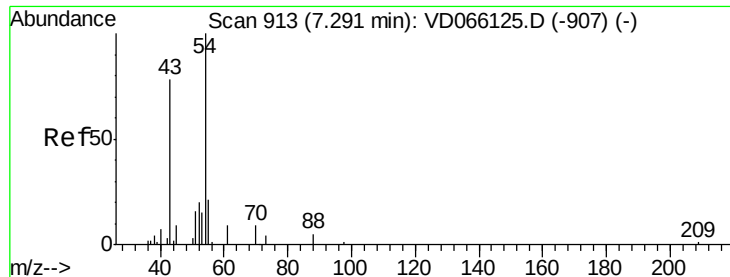
MMDadoda
 8/18/2020 11:08:47 AM



#36
 1,1-Dichloropropene
 Concen: 19.824 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066252.D
 Acq: 17 Aug 2020 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	75550		
110	36.7	18.8	56.3	
77	29.9	24.2	36.2	





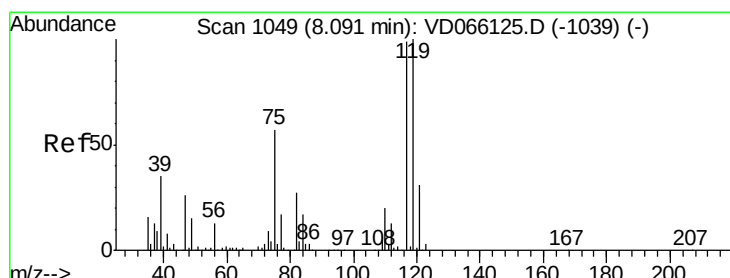
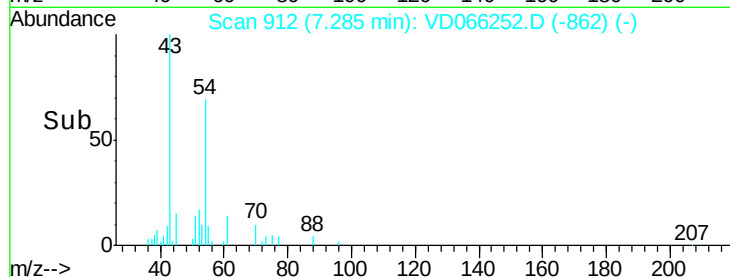
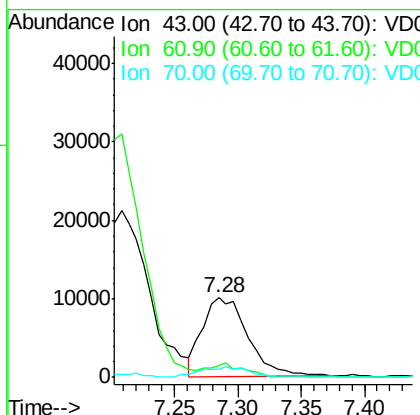
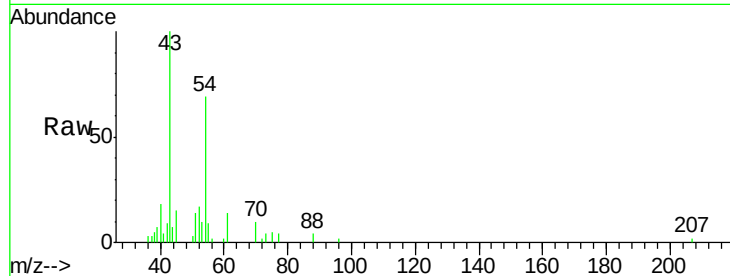
#37
Ethyl Acetate
Concen: 16.475 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066252.D
Acq: 17 Aug 2020 12:38

Instrument :
MSVOA_D
ClientSampleId :
VD0817SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	12.0	18.0
70	13.5	9.7	14.5

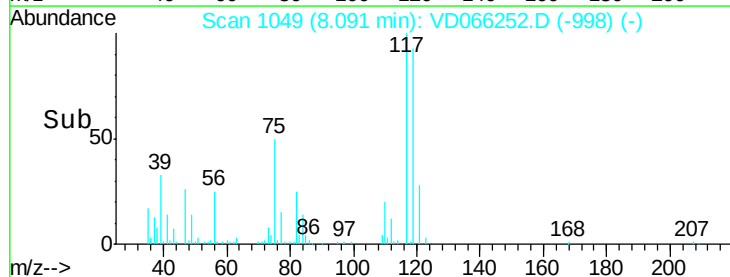
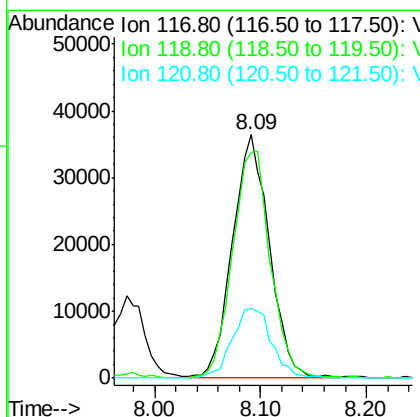
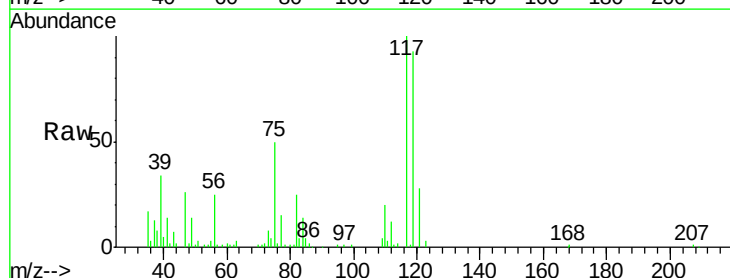
Manual Integrations
APPROVED

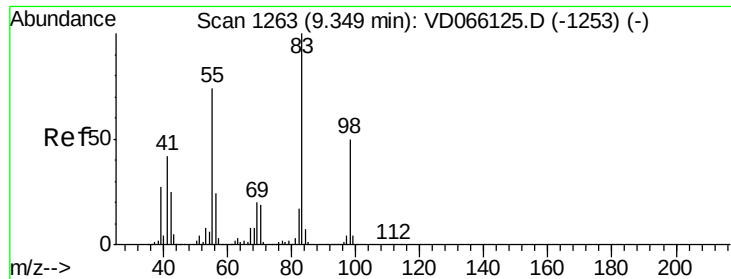
MMDadoda
8/18/2020 11:08:47 AM



#38
Carbon Tetrachloride
Concen: 20.736 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066252.D
Acq: 17 Aug 2020 12:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.6	81.0	121.4
121	28.4	24.8	37.2





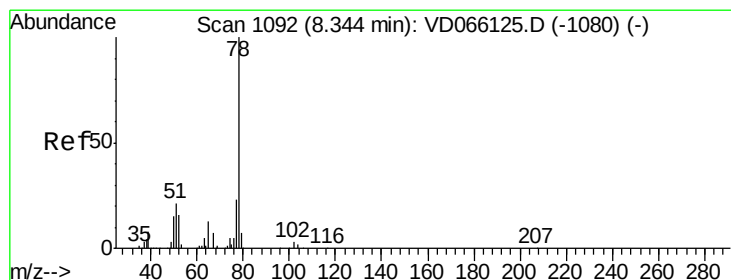
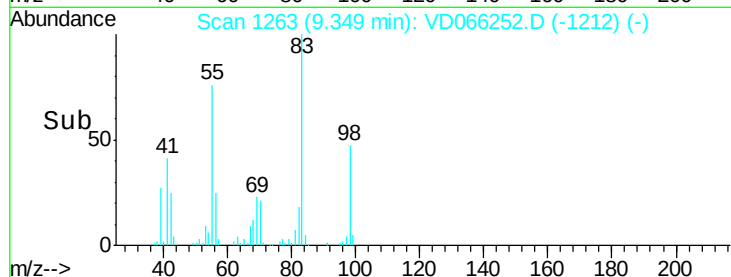
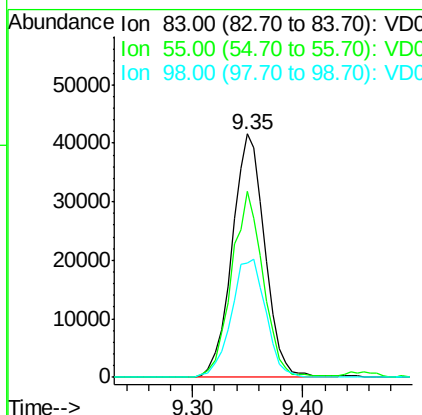
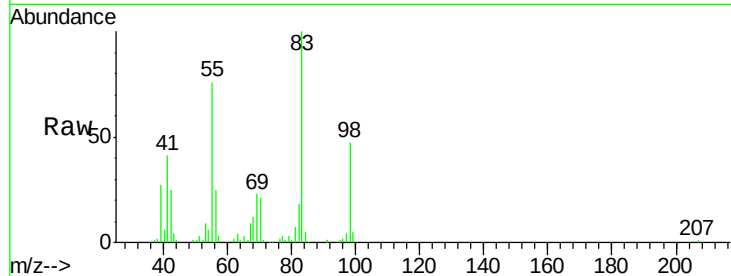
#39
Methylvlcyclohexane
Concen: 18.752 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066252.D
Acq: 17 Aug 2020 12:38

Instrument :
MSVOA_D
ClientSampleId :
VD0817SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.3	59.2	88.8
98	47.1	39.8	59.6

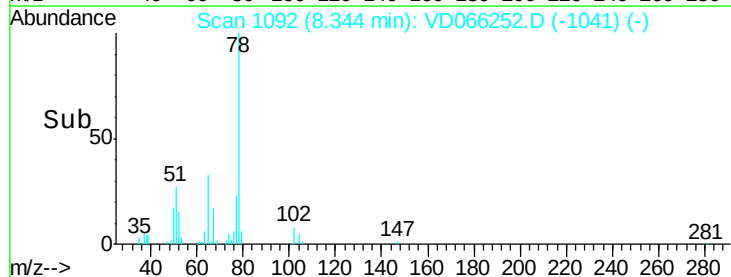
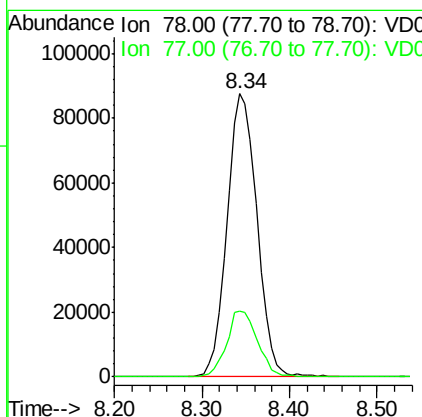
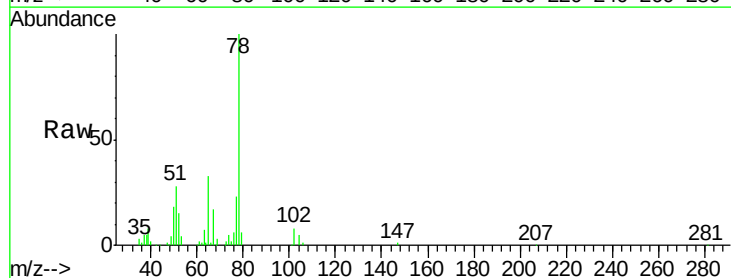
Manual Integrations
APPROVED

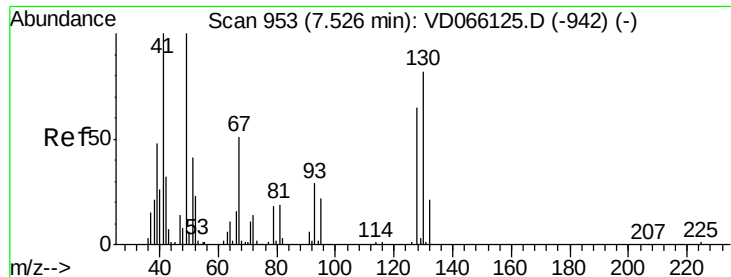
MMDadoda
8/18/2020 11:08:47 AM



#40
Benzene
Concen: 19.267 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066252.D
Acq: 17 Aug 2020 12:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.6	27.8





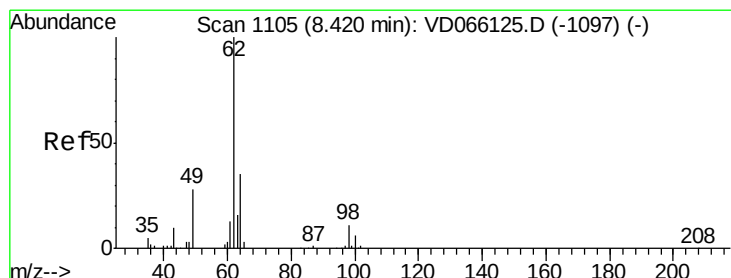
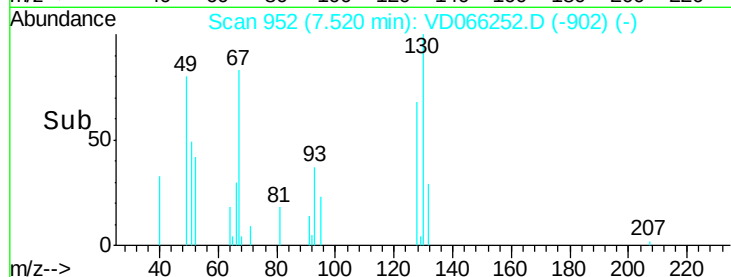
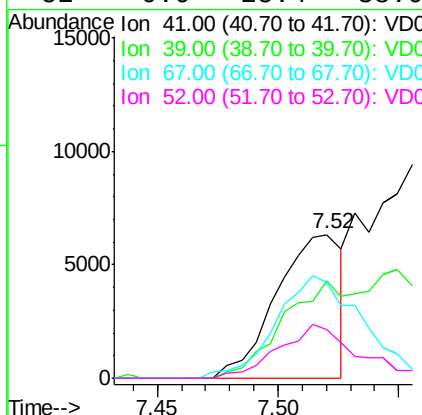
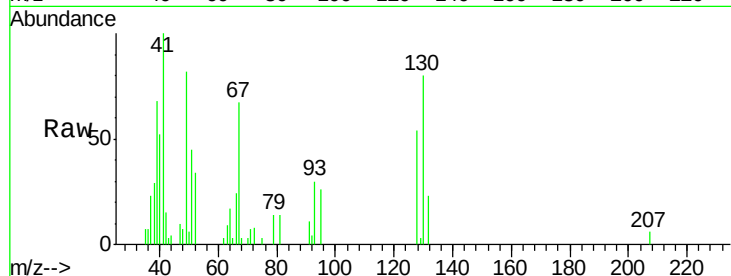
#41
Methacrylonitrile
Concen: 13.659 ug/l m
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD066252.D
Acq: 17 Aug 2020 12:38

Instrument :
MSVOA_D
ClientSampleId :
VD0817SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	96.8	47.5	71.3#
67	0.0	59.1	88.7#
52	0.0	25.4	38.0#

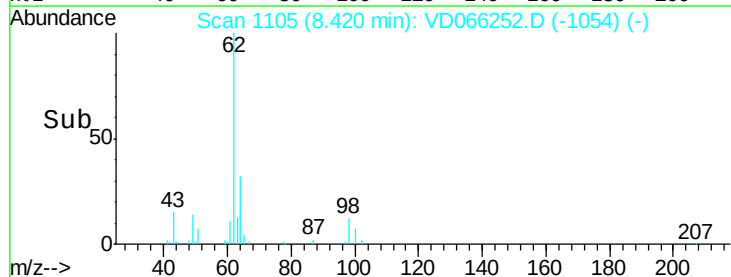
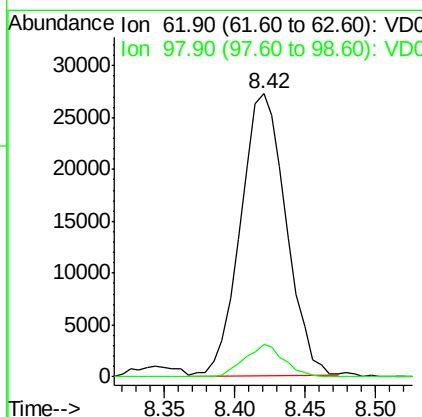
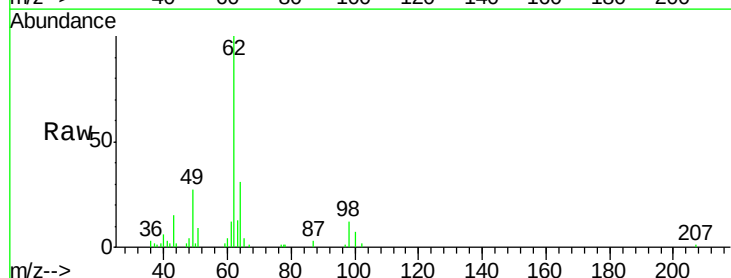
Manual Integrations
APPROVED

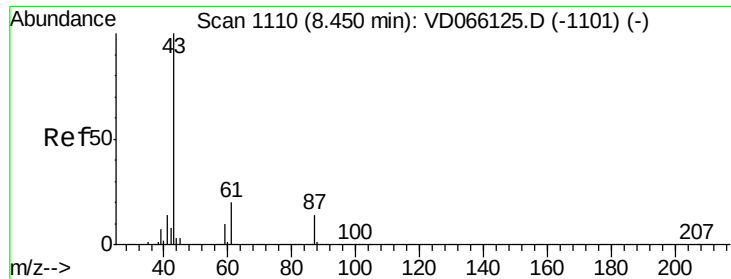
MMDadoda
8/18/2020 11:08:47 AM



#42
1,2-Dichloroethane
Concen: 19.671 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066252.D
Acq: 17 Aug 2020 12:38

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.4





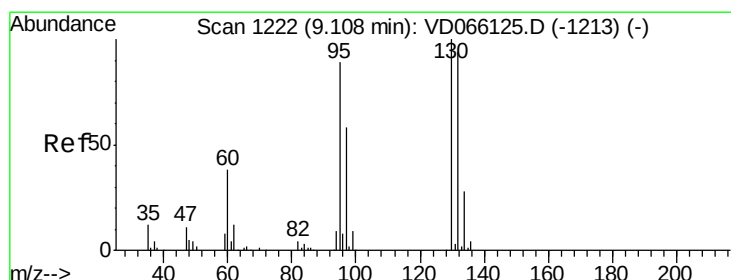
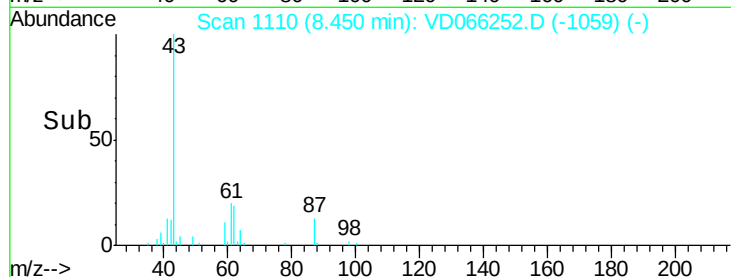
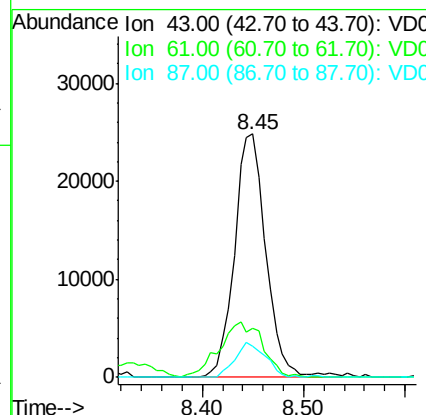
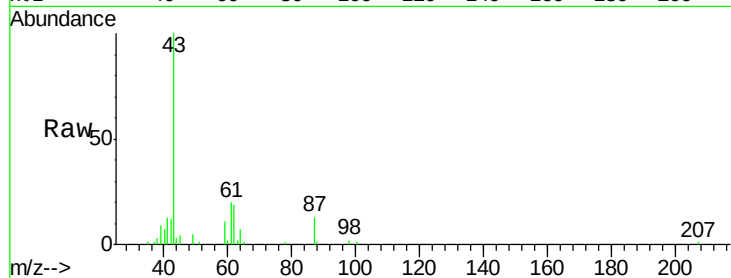
#43
Isopropyl Acetate
Concen: 17.979 ug/l
RT: 8.45 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VD066252.D
Acq: 17 Aug 2020 12:38

Instrument :
MSVOA_D
ClientSampleId :
VD0817SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.5	25.5	38.3
87	13.8	11.2	16.8

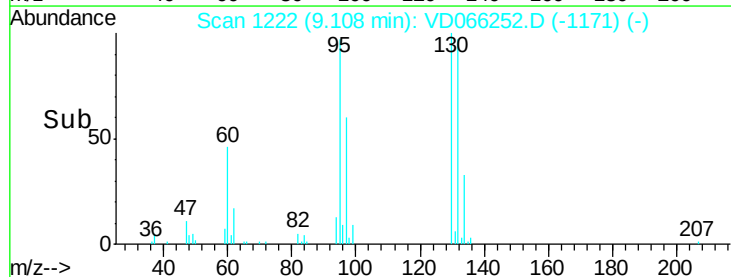
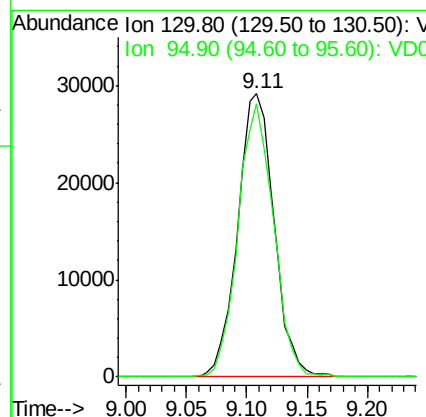
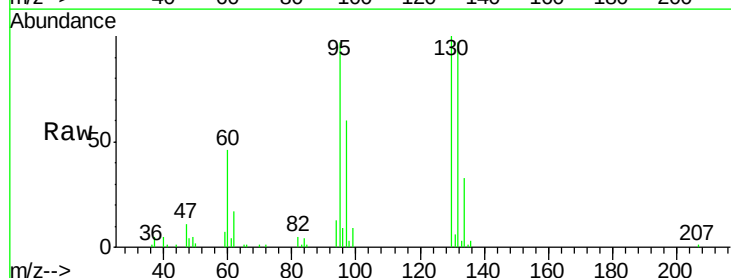
Manual Integrations
APPROVED

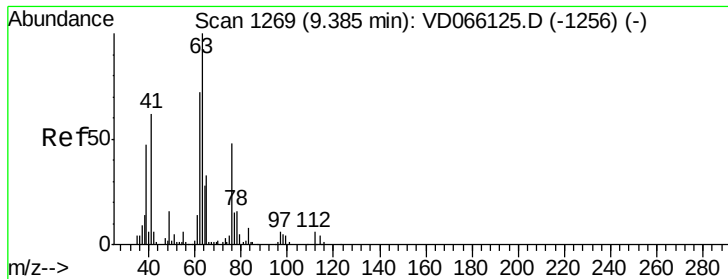
MMDadoda
8/18/2020 11:08:47 AM



#44
Trichloroethene
Concen: 19.266 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VD066252.D
Acq: 17 Aug 2020 12:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	178.4





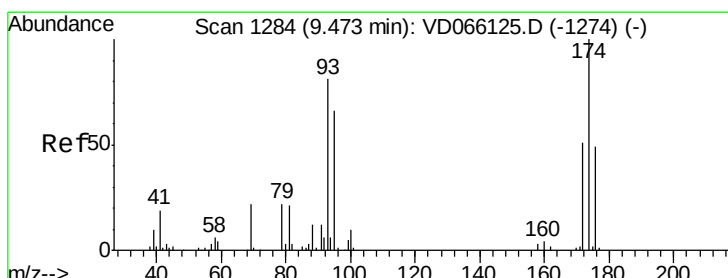
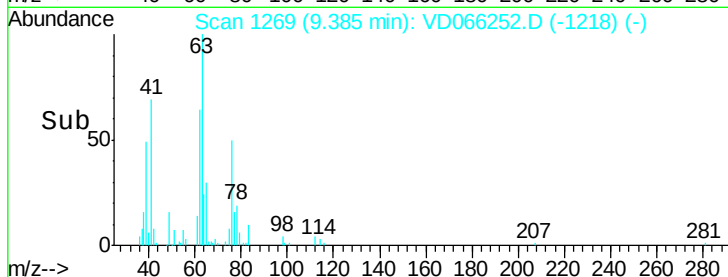
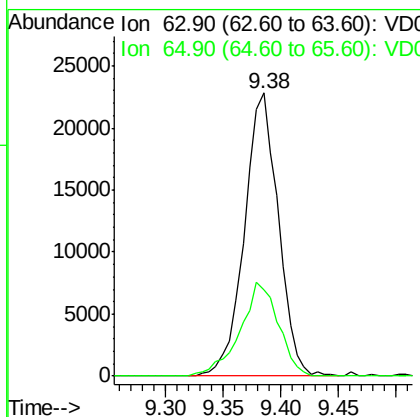
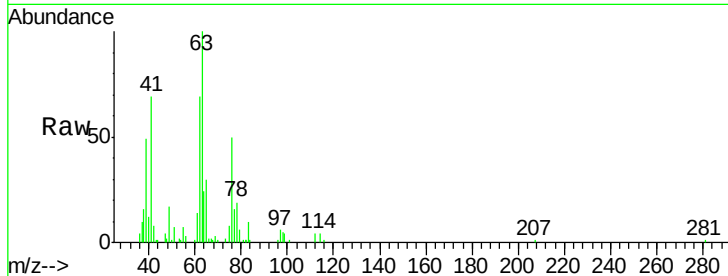
#45
 1,2-Dichloropropane
 Concen: 18.143 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD066252.D
 Acq: 17 Aug 2020 12:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0817SBS01

Tot Ion: 63 Resp: 46910
 Ion Ratio Lower Upper
 63 100
 65 30.3 26.5 39.7

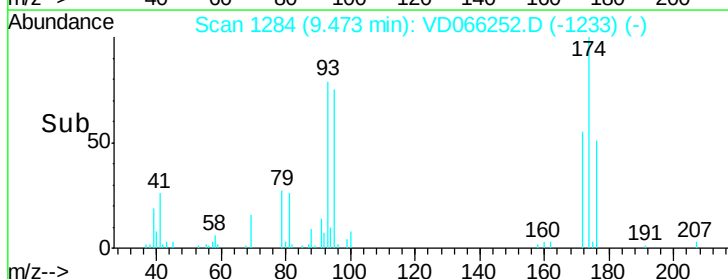
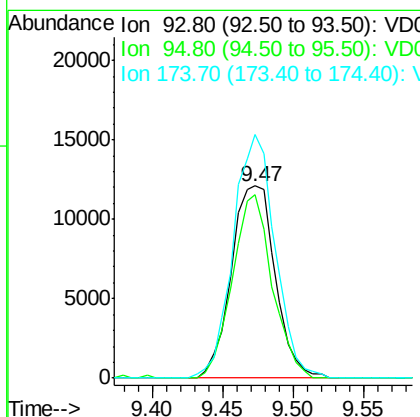
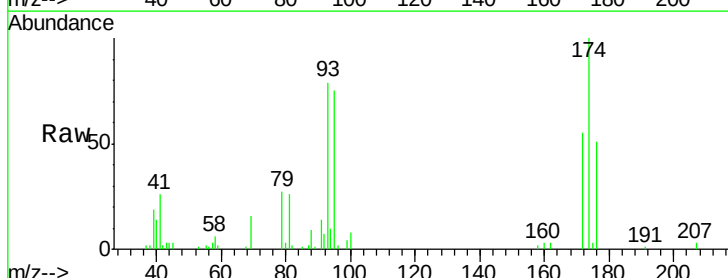
Manual Integrations
 APPROVED

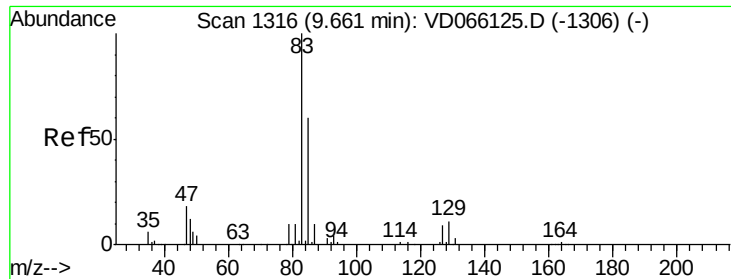
MMDadoda
 8/18/2020 11:08:47 AM



#46
 Dibromomethane
 Concen: 18.454 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VD066252.D
 Acq: 17 Aug 2020 12:38

Tgt Ion: 93 Resp: 26282
 Ion Ratio Lower Upper
 93 100
 95 86.3 65.8 98.6
 174 120.6 92.8 139.2





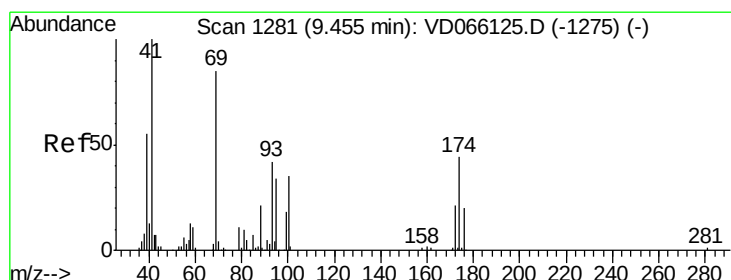
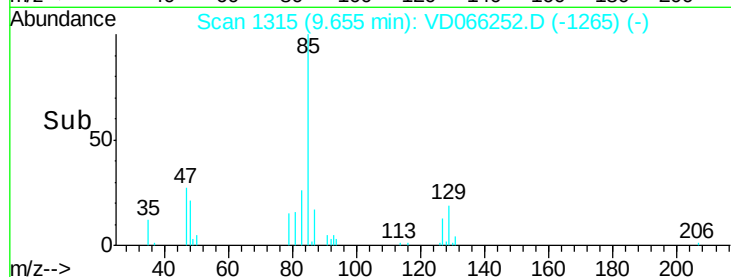
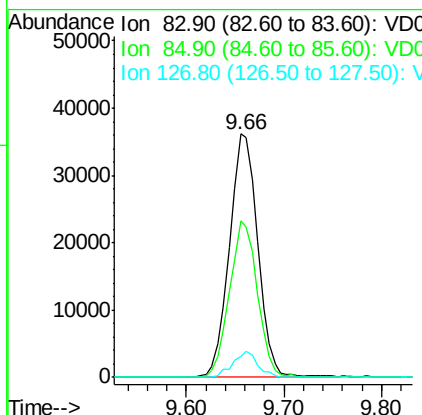
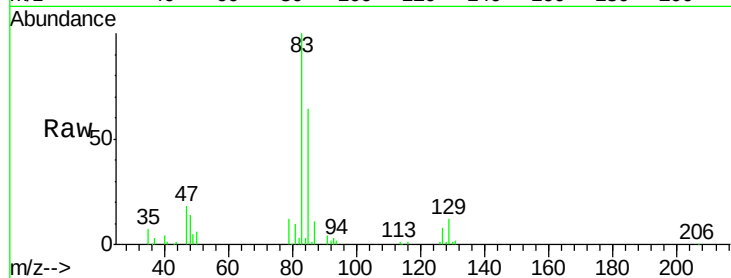
#47
Bromodichloromethane
Concen: 19.357 ug/l
RT: 9.66 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VD066252.D
Acq: 17 Aug 2020 12:38

Instrument :
MSVOA_D
ClientSampleId :
VD0817SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	72865		
85	64.4	48.2	72.4	
127	8.4	7.3	10.9	

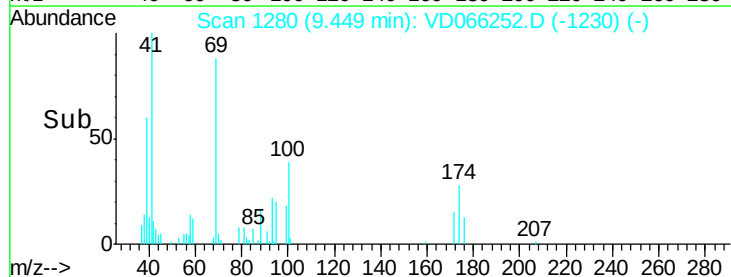
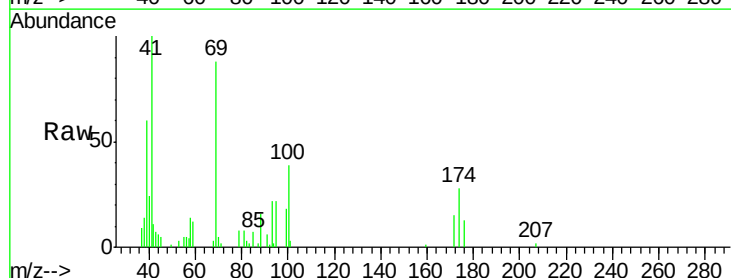
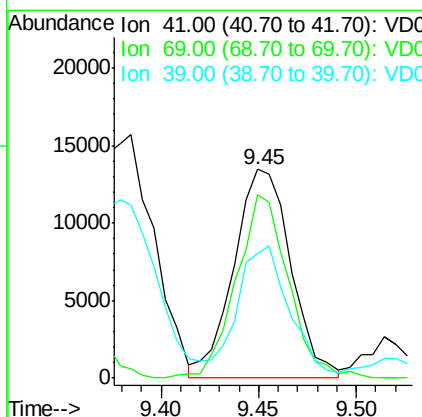
Manual Integrations
APPROVED

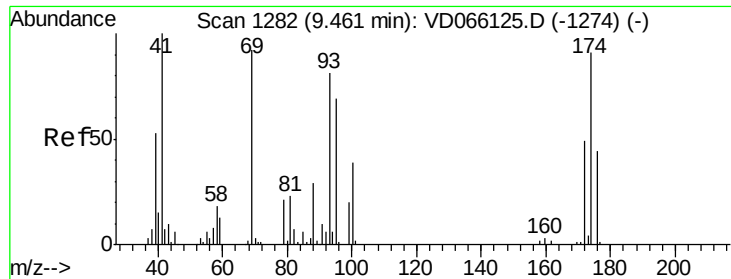
MMDadoda
8/18/2020 11:08:47 AM



#48
Methyl methacrylate
Concen: 17.954 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD066252.D
Acq: 17 Aug 2020 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	27275		
69	80.4	63.9	95.9	
39	53.0	42.6	64.0	





#49

1,4-Dioxane

Concen: 302.116 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD066252.D

Acq: 17 Aug 2020 12:38

Instrument :

MSVOA_D

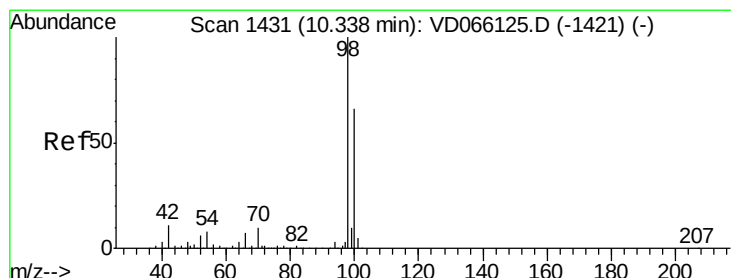
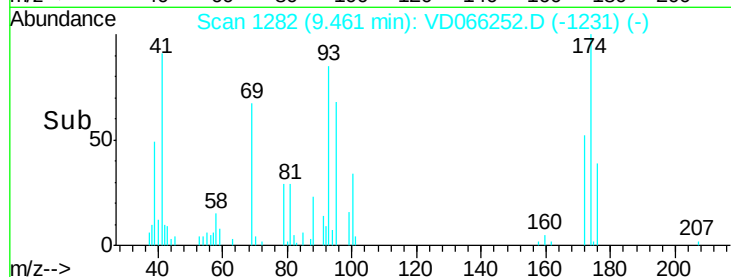
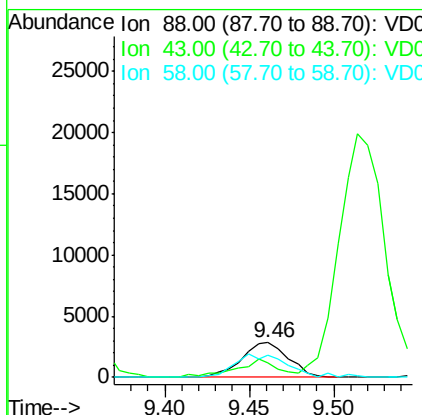
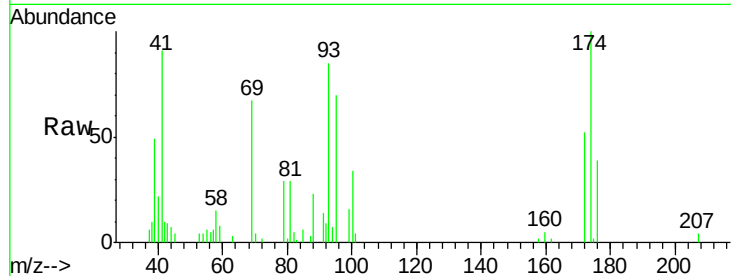
ClientSampleId :

VD0817SBS01

Tot Ion	88	Resp	5528
Ion	Ratio	Lower	Upper
88	100		
43	47.6	27.5	41.3#
58	72.3	50.2	75.4

Manual Integrations
APPROVED

MMDadoda
8/18/2020 11:08:47 AM



#50

Toluene-d8

Concen: 50.268 ug/l

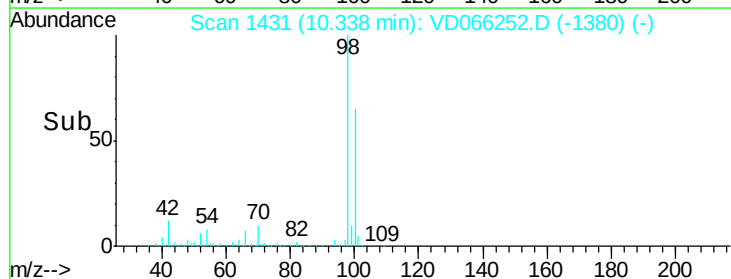
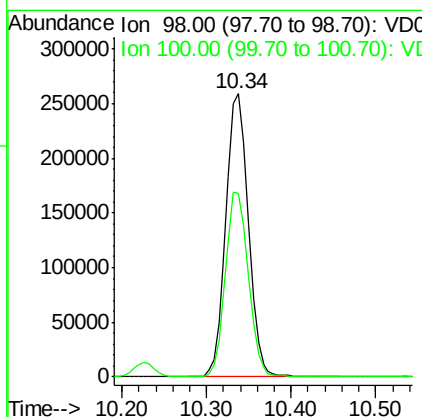
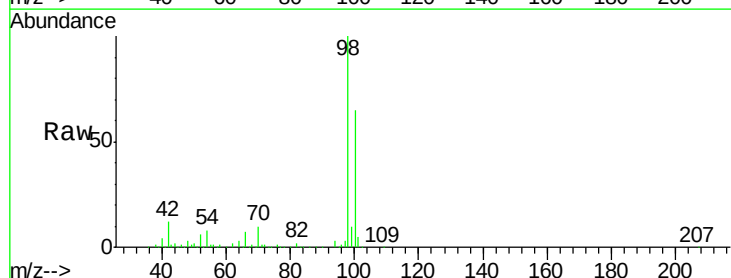
RT: 10.34 min Scan# 1431

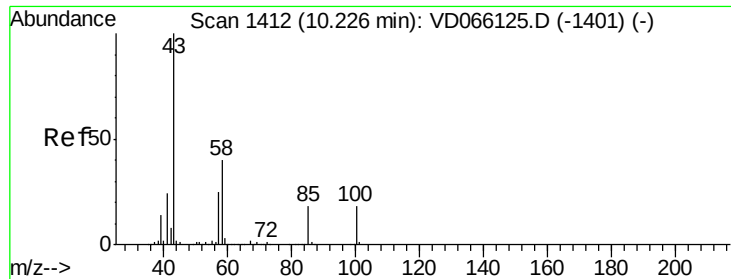
Delta R.T. 0.00 min

Lab File: VD066252.D

Acq: 17 Aug 2020 12:38

Tgt Ion	98	Resp	476572
Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 84.155 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066252.D

Acq: 17 Aug 2020 12:38

Instrument :

MSVOA_D

ClientSampleId :

VD0817SBS01

Tot Ion: 43 Resp: 128603

Ion Ratio Lower Upper

43 100

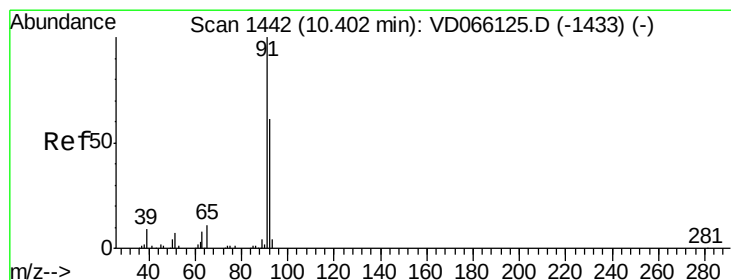
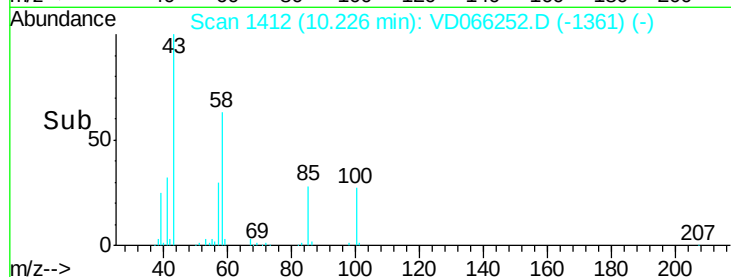
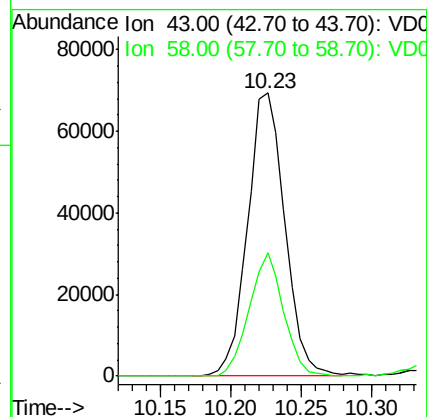
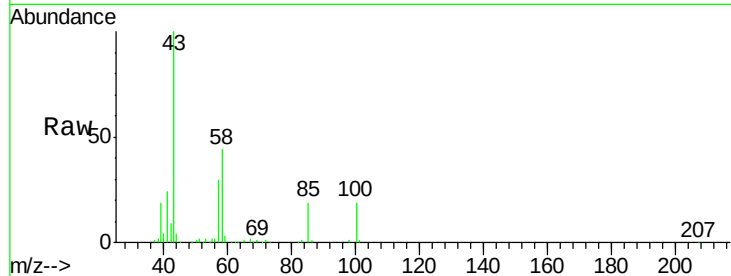
58 40.2 31.1 46.7

Manual Integrations

APPROVED

MMDadoda

8/18/2020 11:08:47 AM



#52

Toluene

Concen: 19.767 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066252.D

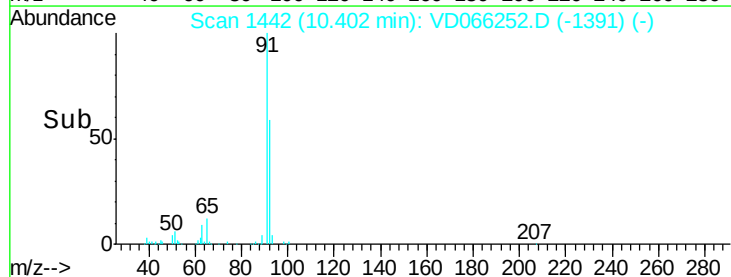
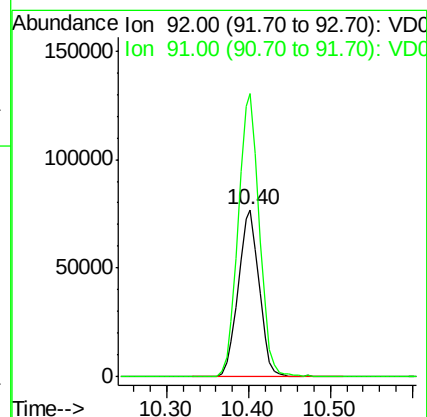
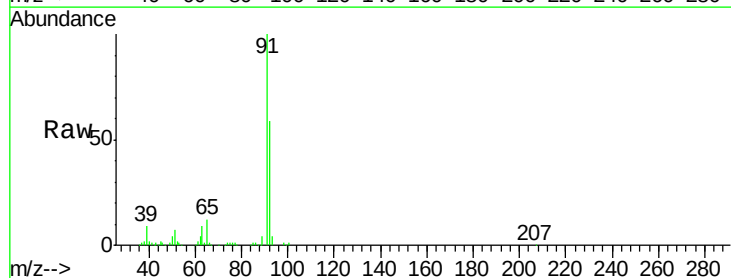
Acq: 17 Aug 2020 12:38

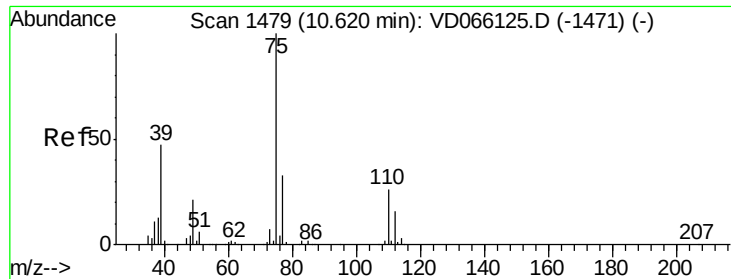
Tgt Ion: 92 Resp: 137509

Ion Ratio Lower Upper

92 100

91 170.9 135.2 202.8





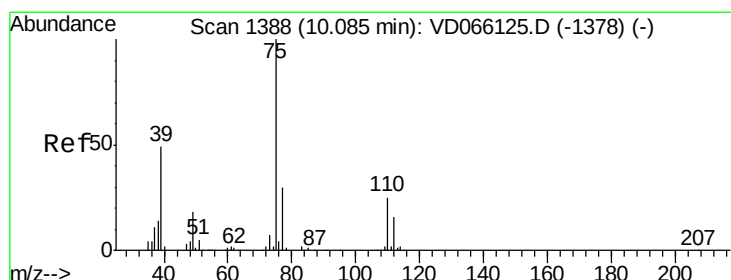
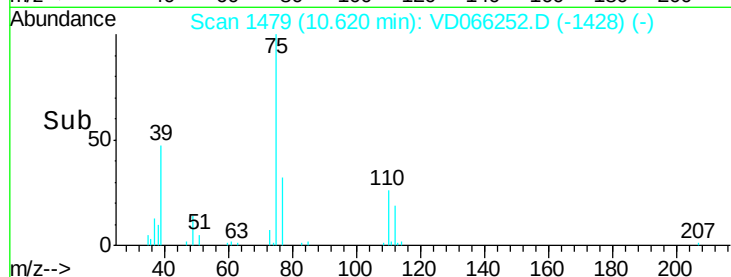
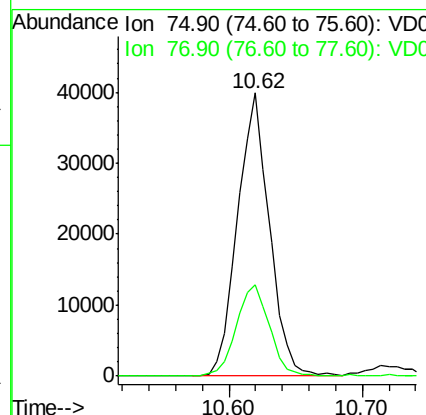
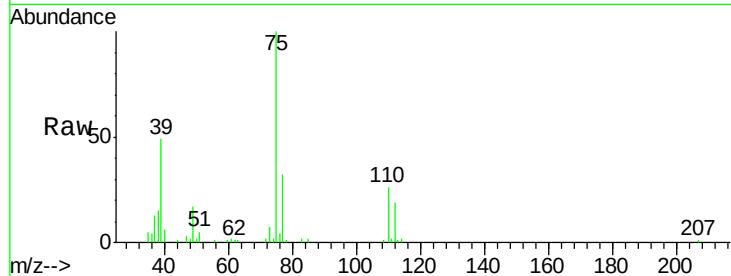
#53
t-1,3-Dichloropropene
Concen: 18.554 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD066252.D
Acq: 17 Aug 2020 12:38

Instrument :
MSVOA_D
ClientSampleId :
VD0817SBS01

Tot Ion: 75 Resp: 66278
Ion Ratio Lower Upper
75 100
77 32.2 26.2 39.2

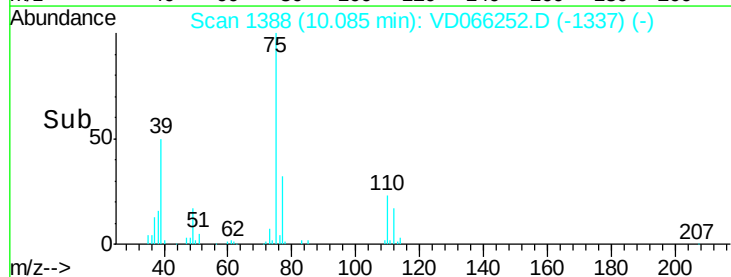
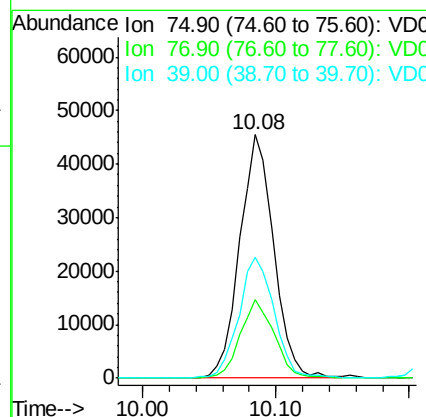
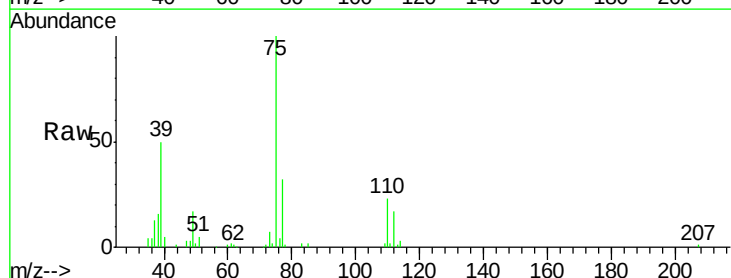
Manual Integrations
APPROVED

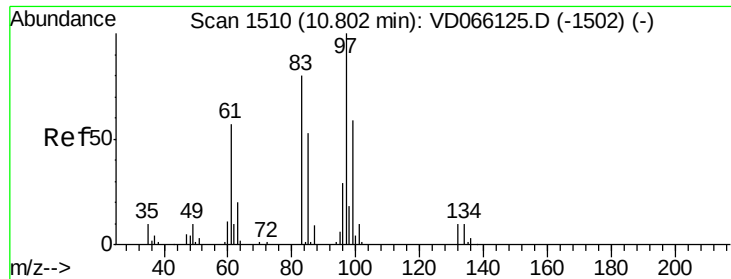
MMDadoda
8/18/2020 11:08:47 AM



#54
cis-1,3-Dichloropropene
Concen: 19.151 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VD066252.D
Acq: 17 Aug 2020 12:38

Tgt Ion: 75 Resp: 80152
Ion Ratio Lower Upper
75 100
77 32.2 24.3 36.5
39 49.5 39.3 58.9





#55

1,1,2-Trichloroethane

Concen: 18.543 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD066252.D

Acq: 17 Aug 2020 12:38

Instrument :

MSVOA_D

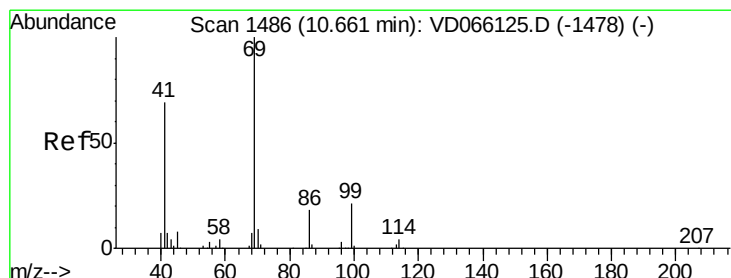
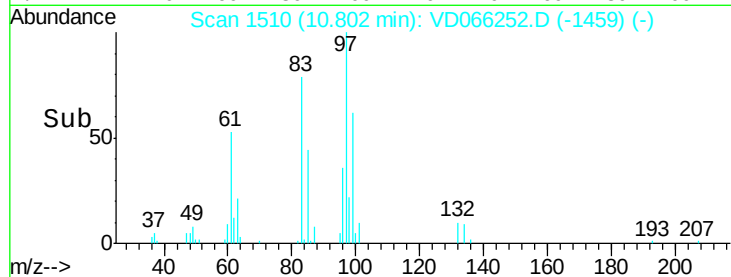
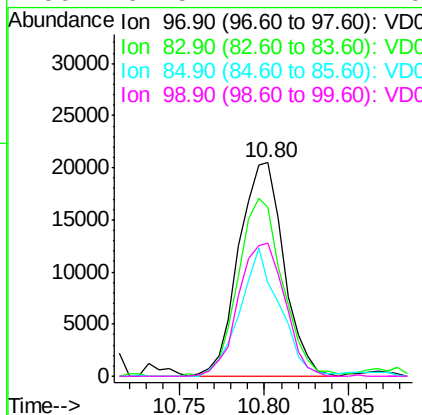
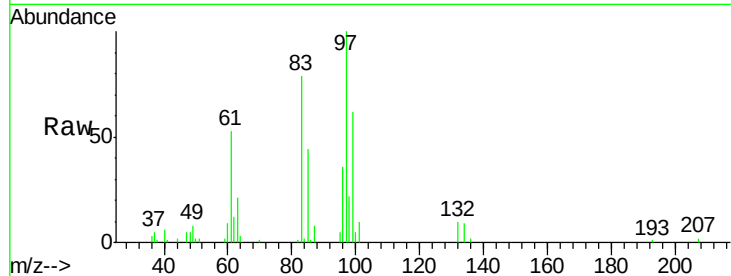
ClientSampleId :

VD0817SBS01

Tot Ion:	97	Resp:	38029
Ion	Ratio	Lower	Upper
97	100		
83	78.2	63.9	95.9
85	43.8	42.5	63.7
99	62.5	47.4	71.0

Manual Integrations
APPROVED

MMDadoda
8/18/2020 11:08:47 AM



#56

Ethyl methacrylate

Concen: 18.024 ug/l

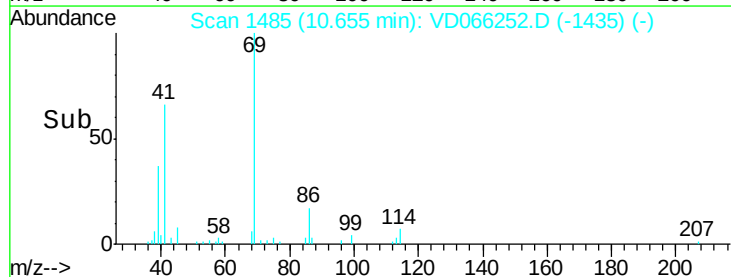
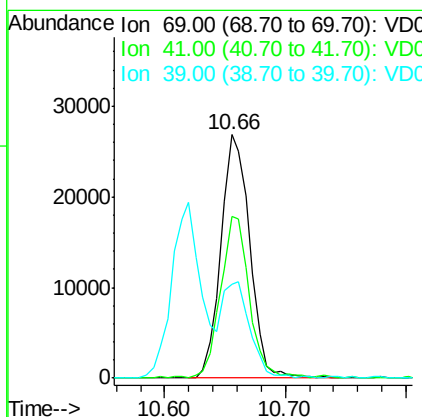
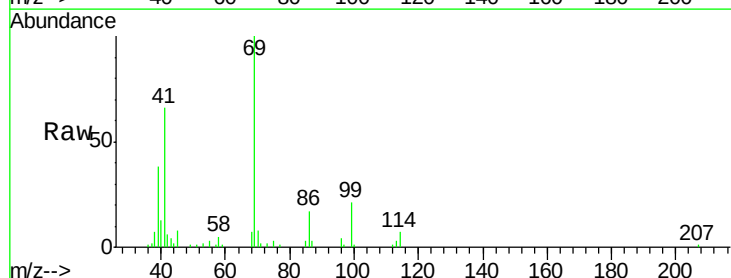
RT: 10.66 min Scan# 1485

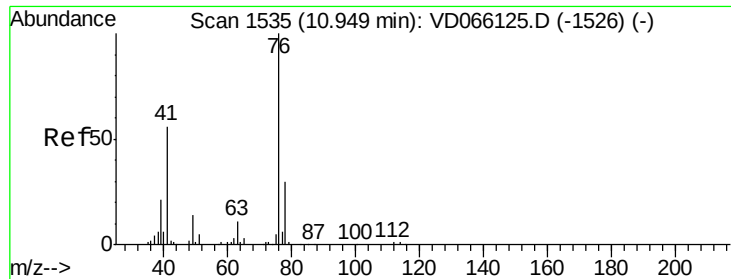
Delta R.T. -0.01 min

Lab File: VD066252.D

Acq: 17 Aug 2020 12:38

Tgt Ion:	69	Resp:	44405
Ion	Ratio	Lower	Upper
69	100		
41	66.3	54.1	81.1
39	36.8	28.6	43.0





#57

1,3-Dichloropropane

Concen: 18.580 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.01 min

Lab File: VD066252.D

Acq: 17 Aug 2020 12:38

Instrument :

MSVOA_D

ClientSampleId :

VD0817SBS01

Tot Ion: 76 Resp: 63258

Ion Ratio Lower Upper

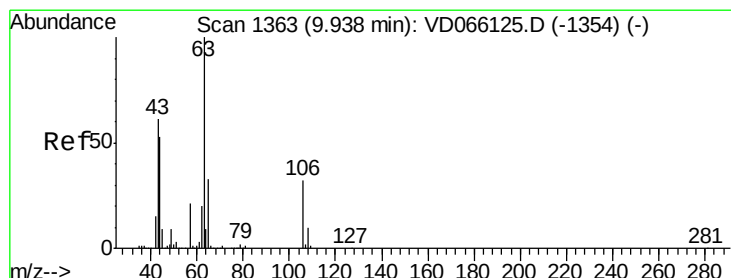
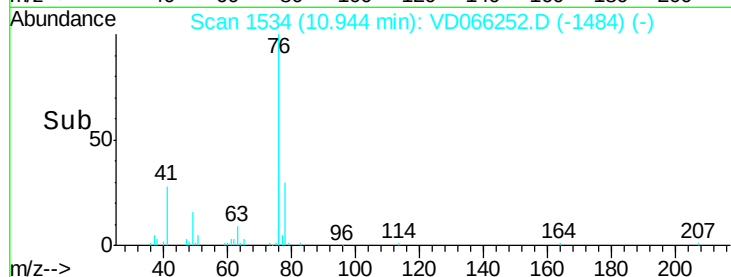
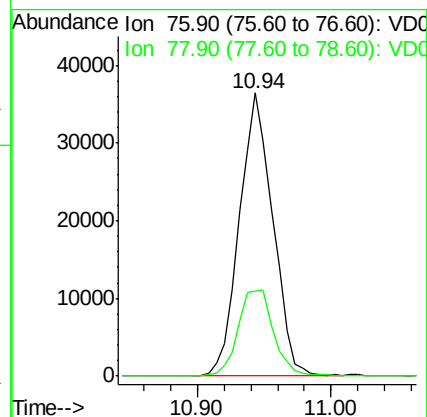
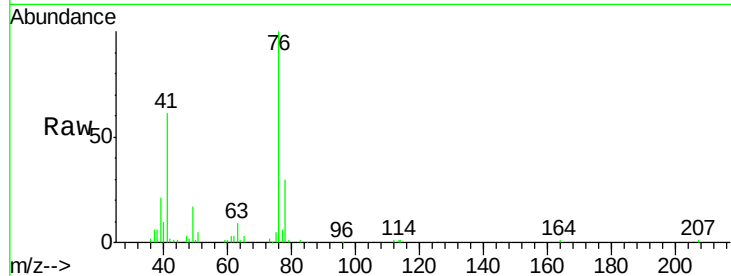
76 100

78 32.5 25.5 38.3

Manual Integrations
APPROVED

MMDadoda

8/18/2020 11:08:47 AM



#58

2-Chloroethyl Vinyl ether

Concen: 99.529 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066252.D

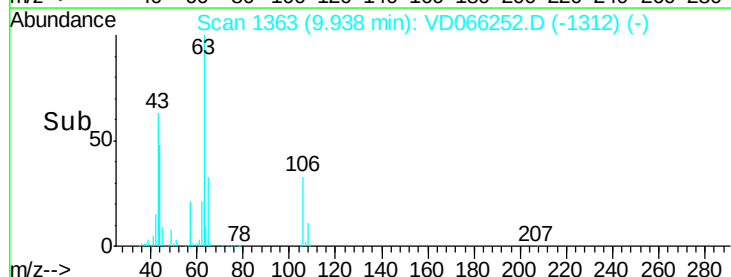
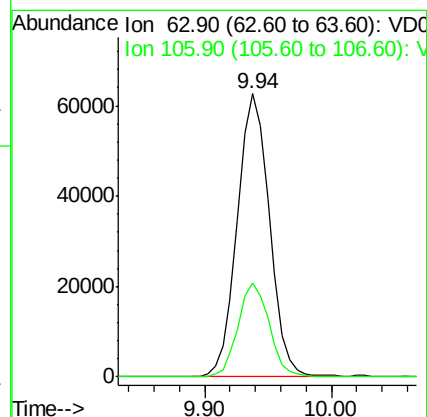
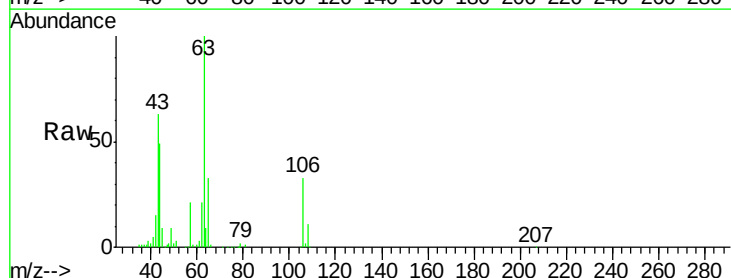
Acq: 17 Aug 2020 12:38

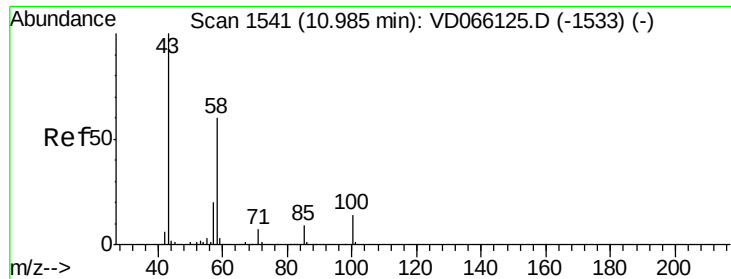
Tgt Ion: 63 Resp: 110295

Ion Ratio Lower Upper

63 100

106 32.1 25.3 37.9





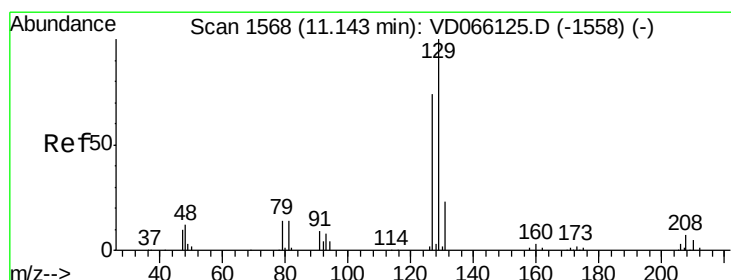
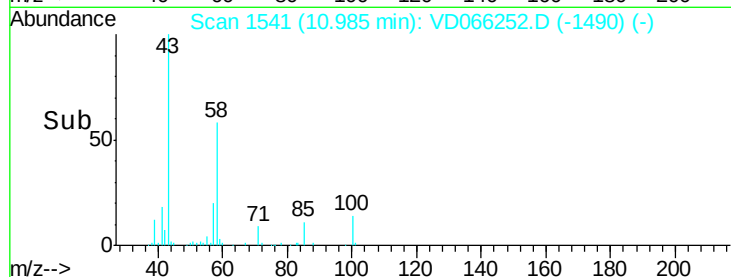
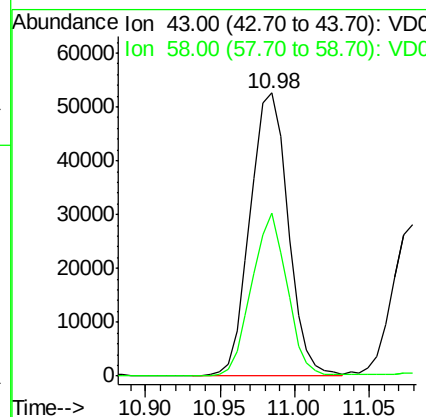
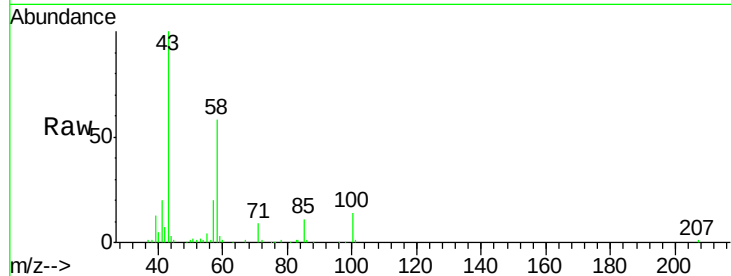
#59
2-Hexanone
Concen: 86.646 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066252.D
Acq: 17 Aug 2020 12:38

Instrument :
MSVOA_D
ClientSampleId :
VD0817SBS01

Tot Ion: 43 Resp: 92927
Ion Ratio Lower Upper
43 100
58 53.6 27.8 83.4

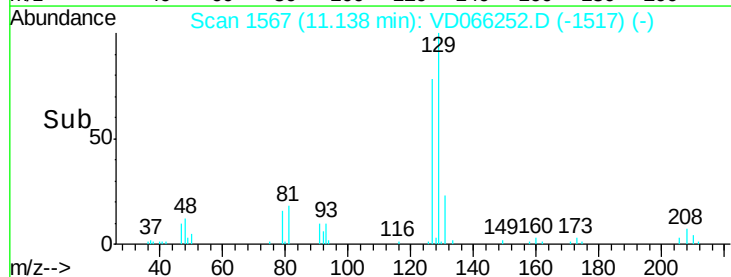
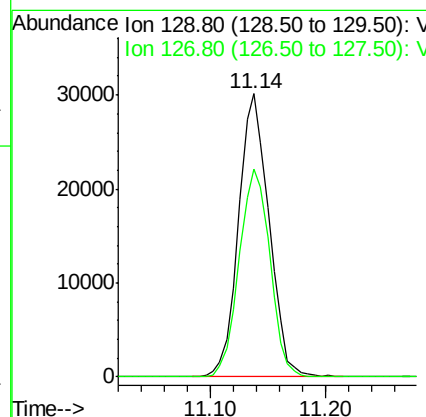
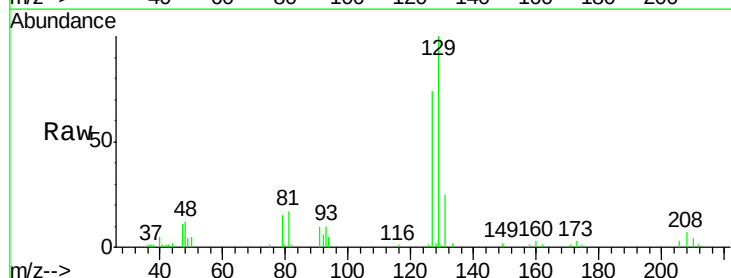
Manual Integrations
APPROVED

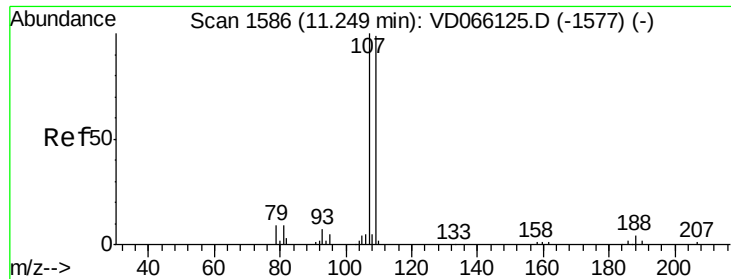
MMDadoda
8/18/2020 11:08:47 AM



#60
Dibromochloromethane
Concen: 19.490 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD066252.D
Acq: 17 Aug 2020 12:38

Tgt Ion: 129 Resp: 55183
Ion Ratio Lower Upper
129 100
127 74.0 38.0 114.1





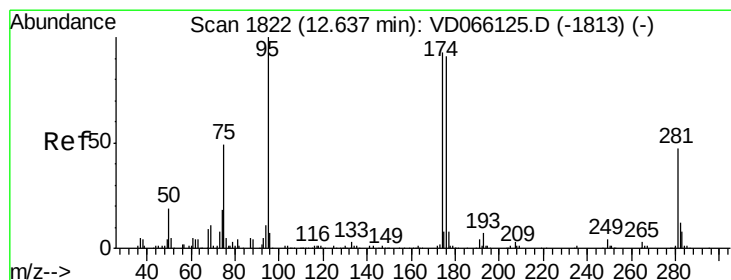
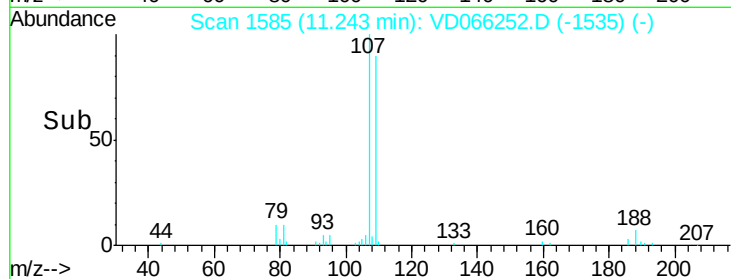
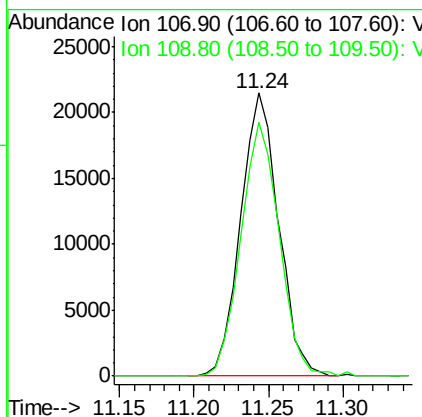
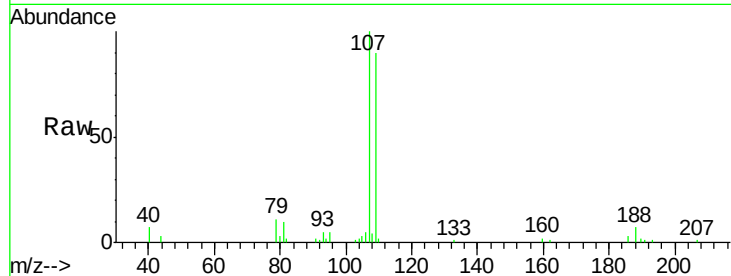
#61
 1,2-Dibromoethane
 Concen: 19.172 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD066252.D
 Acq: 17 Aug 2020 12:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0817SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.9	76.5	114.7

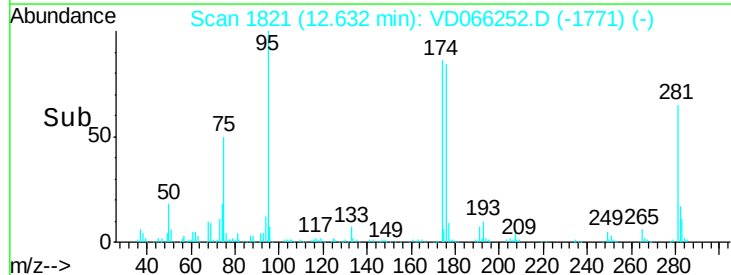
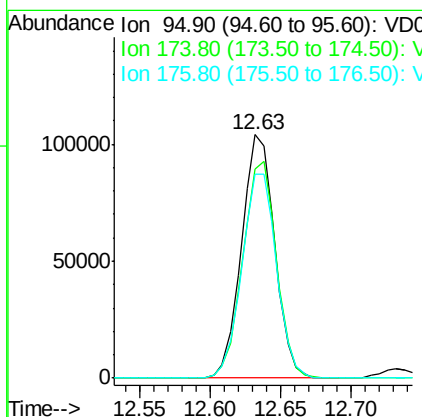
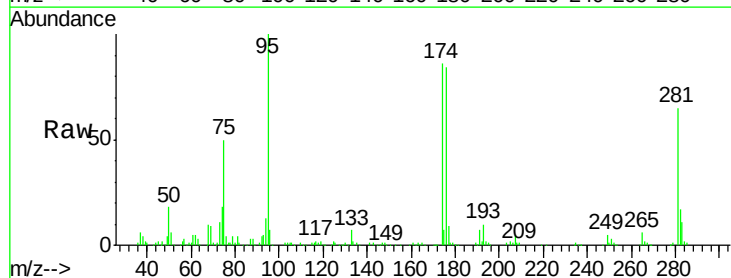
Manual Integrations
 APPROVED

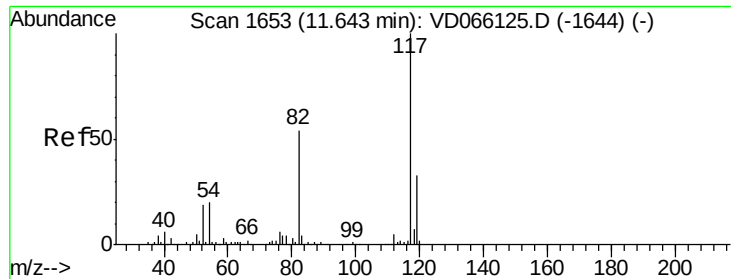
MMDadoda
 8/18/2020 11:08:47 AM



#62
 4-Bromofluorobenzene
 Concen: 50.229 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD066252.D
 Acq: 17 Aug 2020 12:38

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.2	0.0	180.8
176	87.5	0.0	181.2





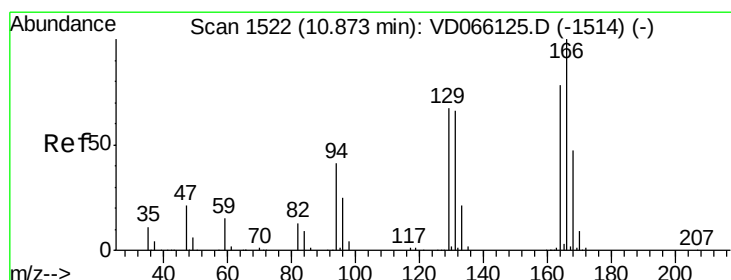
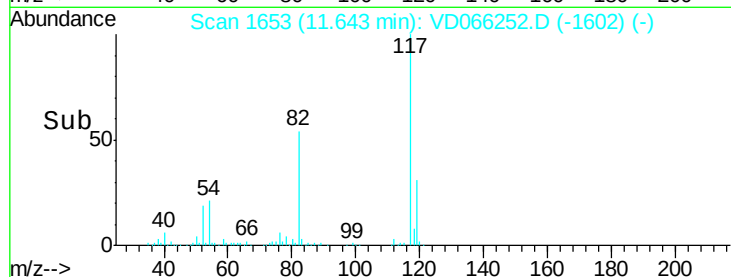
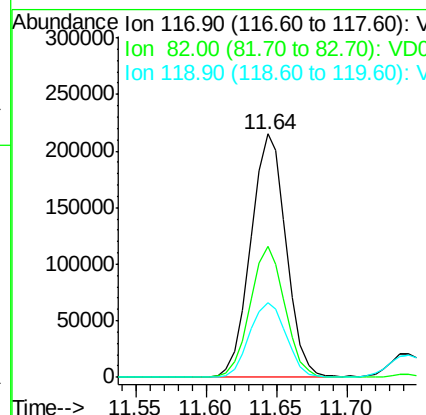
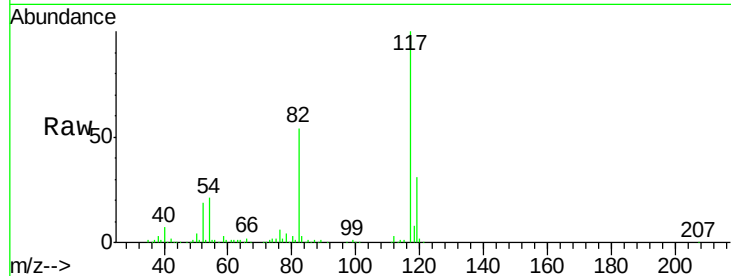
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066252.D
Acq: 17 Aug 2020 12:38

Instrument :
MSVOA_D
ClientSampleId :
VD0817SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	378148		
82	53.8	43.0	64.4	
119	30.7	26.1	39.1	

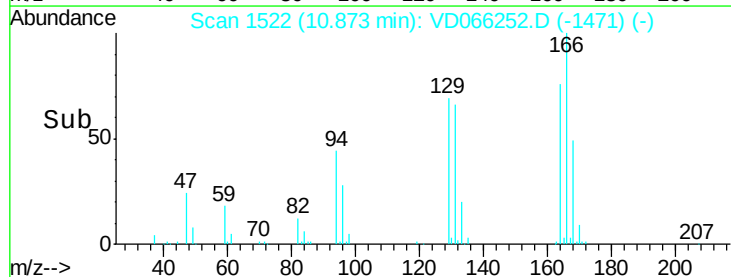
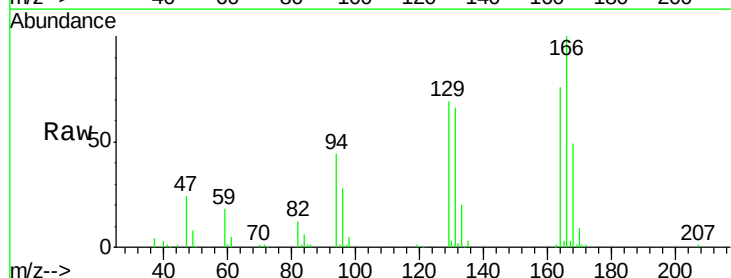
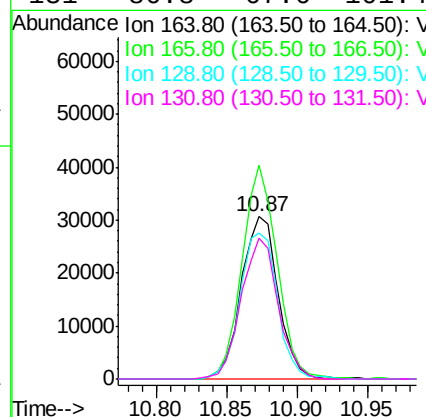
Manual Integrations
APPROVED

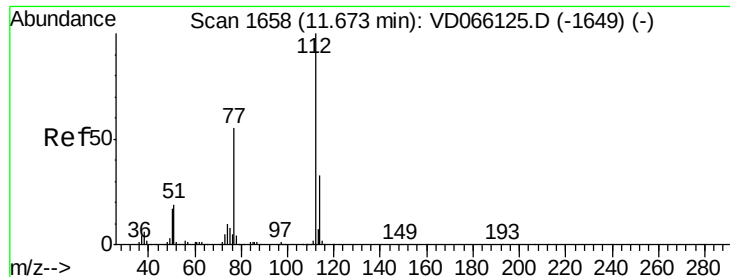
MMDadoda
8/18/2020 11:08:47 AM



#64
Tetrachloroethene
Concen: 19.312 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066252.D
Acq: 17 Aug 2020 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	56078		
166	131.7	101.9	152.9	
129	90.2	68.1	102.1	
131	86.8	67.6	101.4	





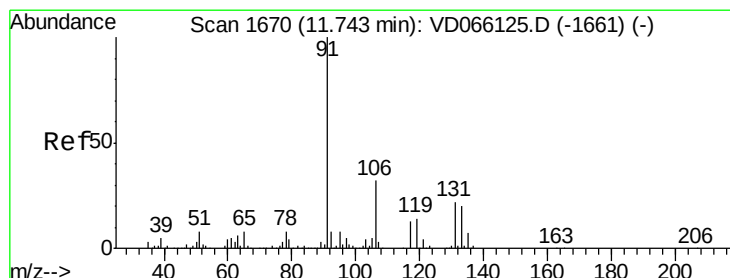
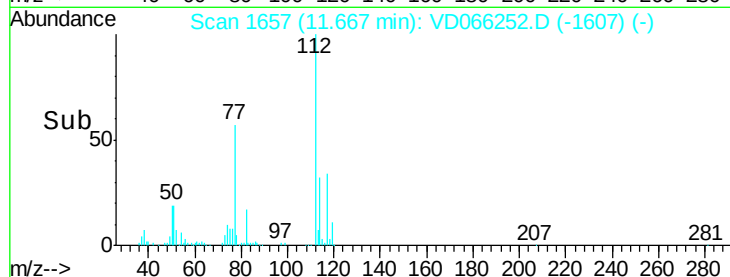
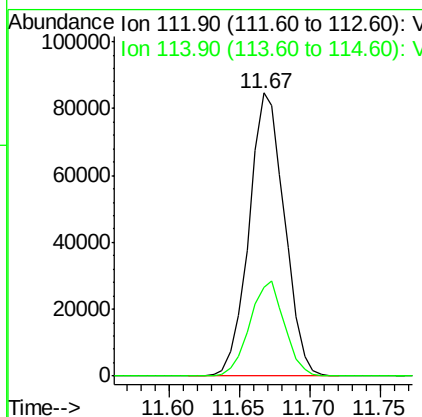
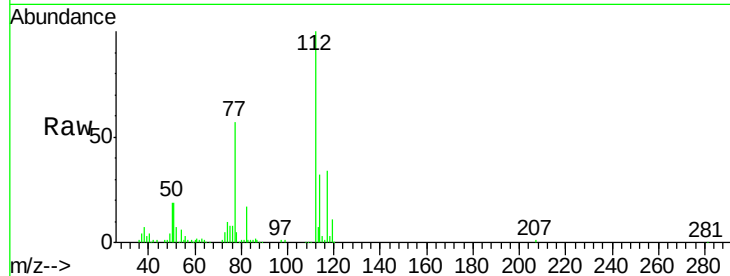
#65
Chlorobenzene
Concen: 19.521 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066252.D
Acq: 17 Aug 2020 12:38

Instrument :
MSVOA_D
ClientSampleId :
VD0817SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	26.1	39.1

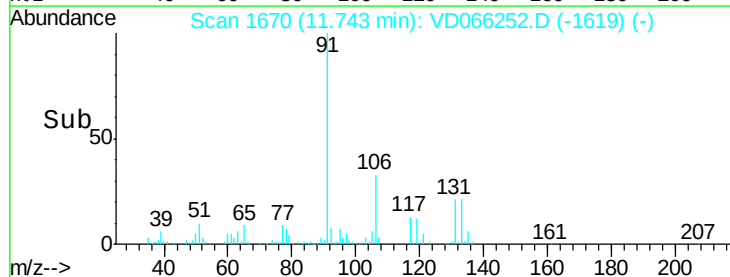
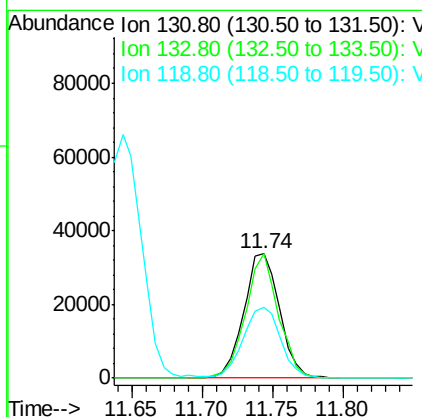
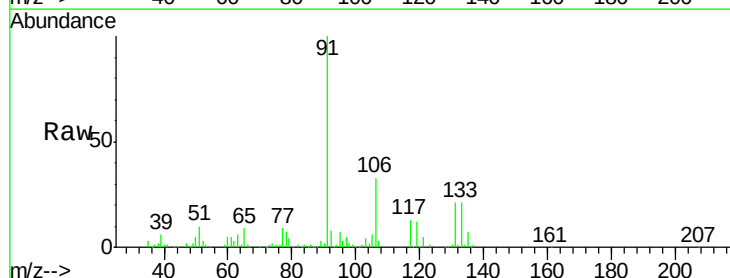
Manual Integrations
APPROVED

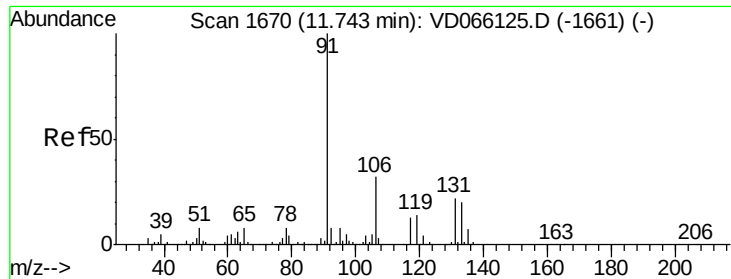
MMDadoda
8/18/2020 11:08:47 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.041 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066252.D
Acq: 17 Aug 2020 12:38

Tgt Ion	Ratio	Lower	Upper
131	100		
133	91.7	47.1	141.4
119	59.5	31.6	94.7





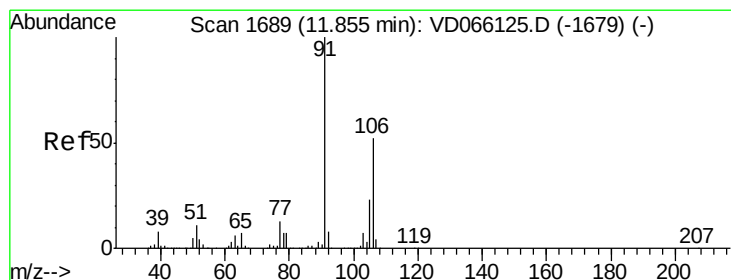
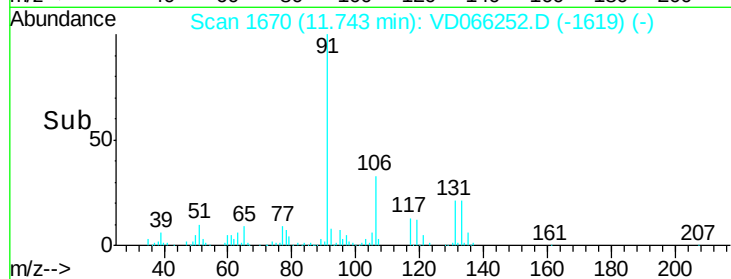
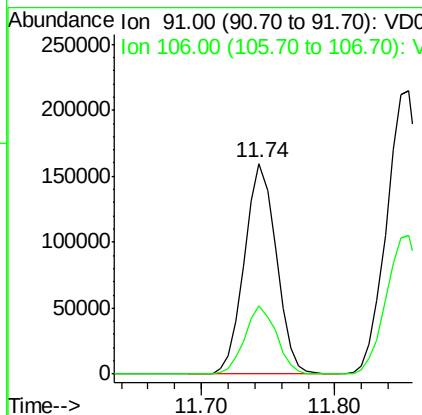
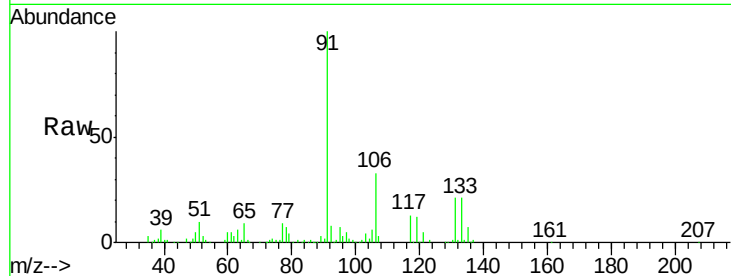
#67
Ethyl Benzene
Concen: 19.802 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066252.D
Acq: 17 Aug 2020 12:38

Instrument :
MSVOA_D
ClientSampleId :
VD0817SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.5	25.7	38.5

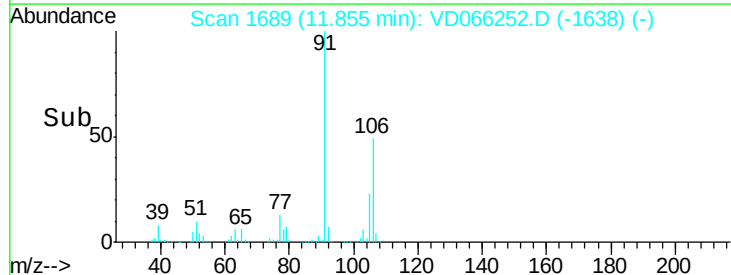
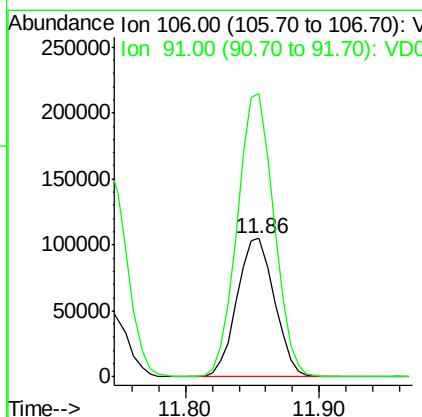
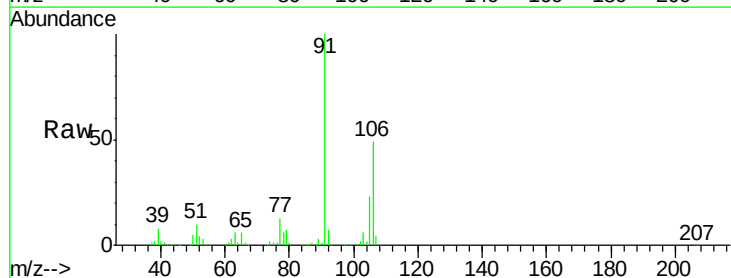
Manual Integrations
APPROVED

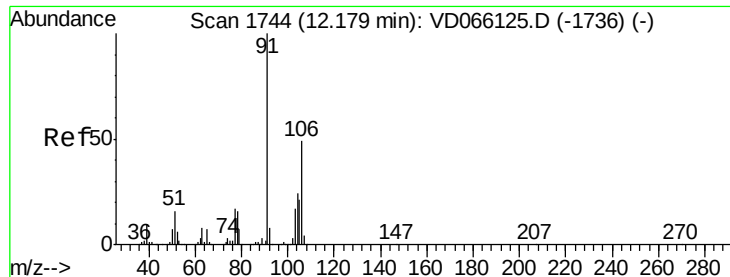
MMDadoda
8/18/2020 11:08:47 AM



#68
m/p-Xylenes
Concen: 39.669 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD066252.D
Acq: 17 Aug 2020 12:38

Tgt Ion	Ratio	Lower	Upper
106	100		
91	200.3	156.6	235.0





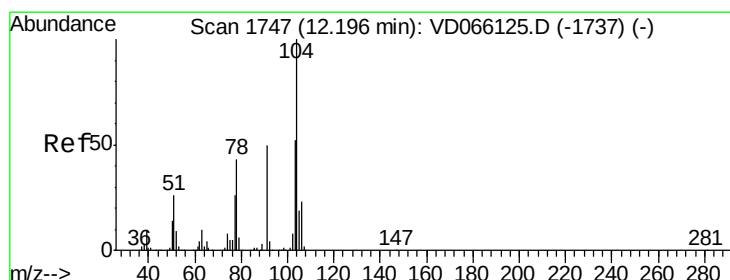
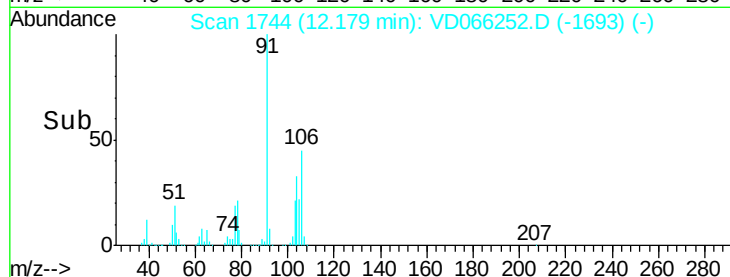
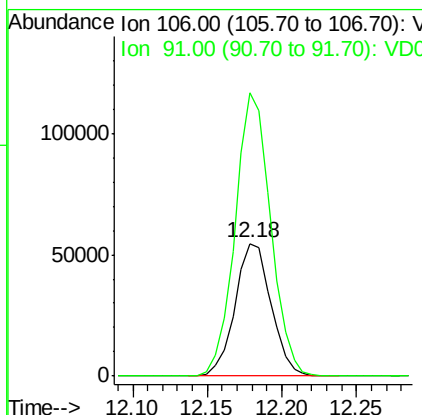
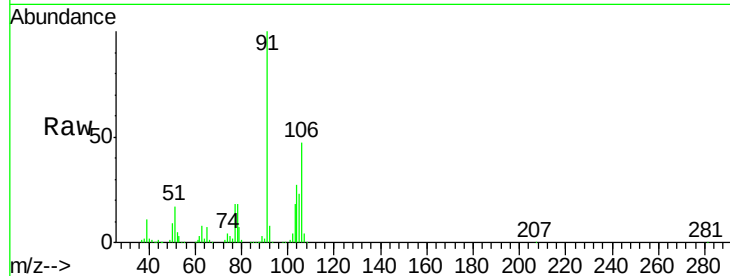
#69
o-Xylene
Concen: 19.584 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066252.D
Acq: 17 Aug 2020 12:38

Instrument :
MSVOA_D
ClientSampleId :
VD0817SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		91817		
91	209.9	105.7	317.1		

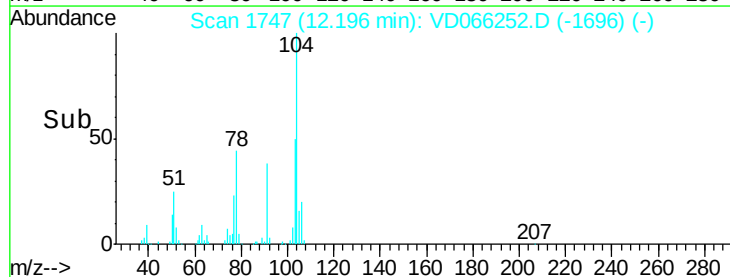
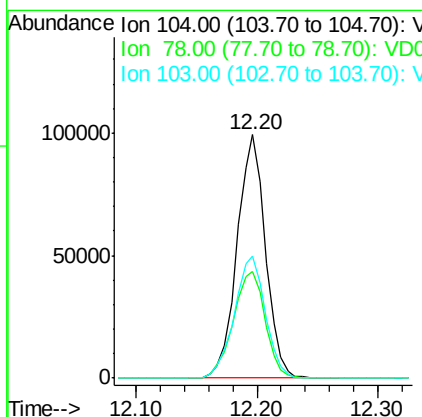
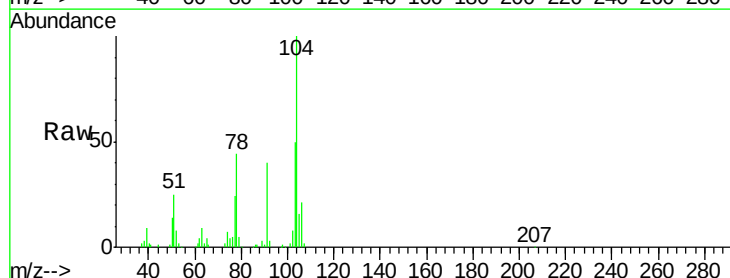
Manual Integrations
APPROVED

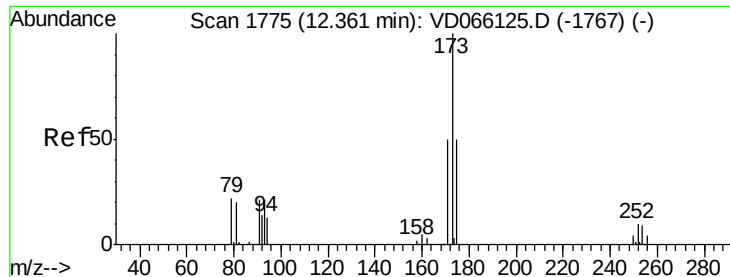
MMDadoda
8/18/2020 11:08:47 AM



#70
Styrene
Concen: 19.801 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066252.D
Acq: 17 Aug 2020 12:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		162701		
78	49.3	38.6	58.0		
103	54.7	44.1	66.1		





#71

Bromoform

Concen: 18.846 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066252.D

Acq: 17 Aug 2020 12:38

Instrument :

MSVOA_D

ClientSampleId :

VD0817SBS01

Tot Ion:173 Resp: 33537

Ion Ratio Lower Upper

173 100

175 46.5 24.6 73.6

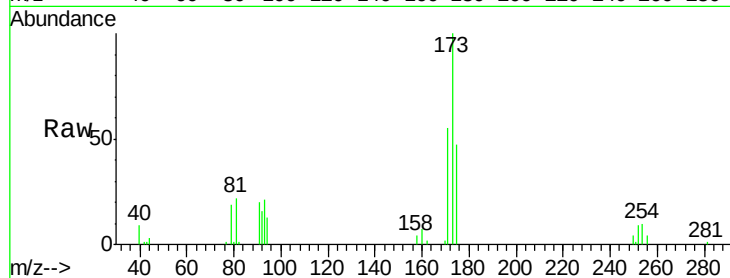
254 0.0 0.2 0.2#

Manual Integrations

APPROVED

MMDadoda

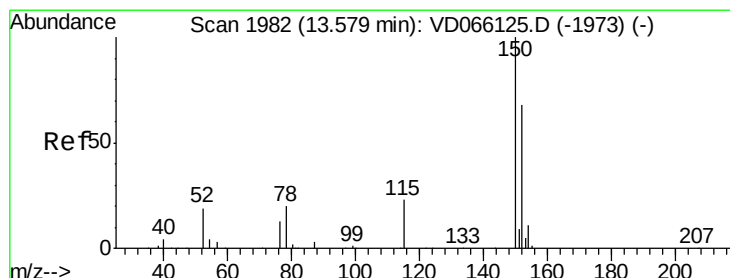
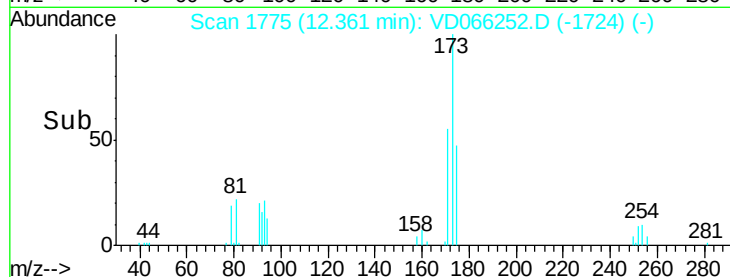
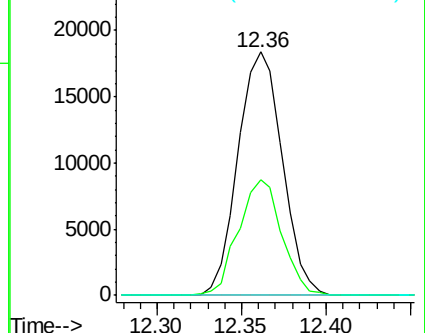
8/18/2020 11:08:47 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066252.D

Acq: 17 Aug 2020 12:38

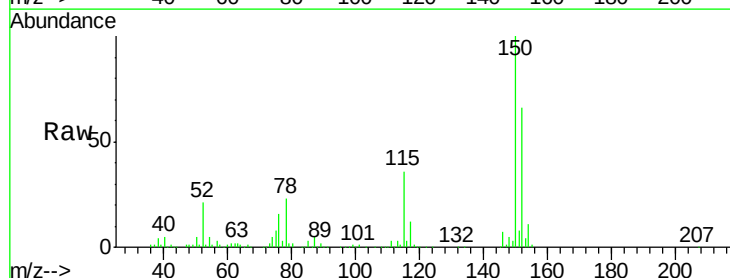
Tgt Ion:152 Resp: 196862

Ion Ratio Lower Upper

152 100

115 56.0 28.0 83.9

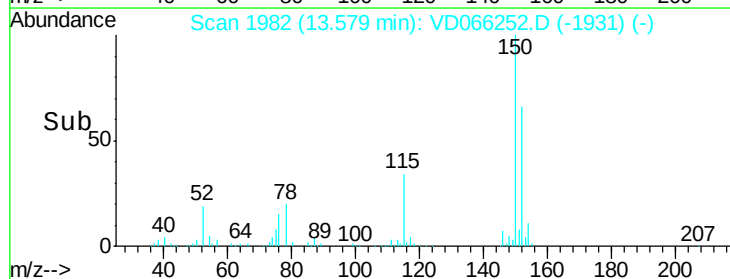
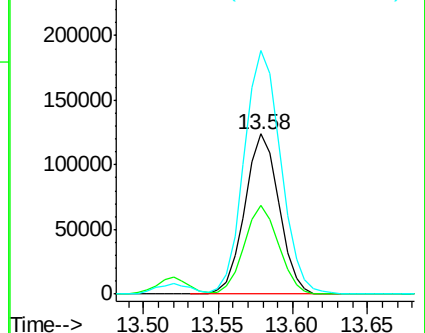
150 163.0 0.0 346.4

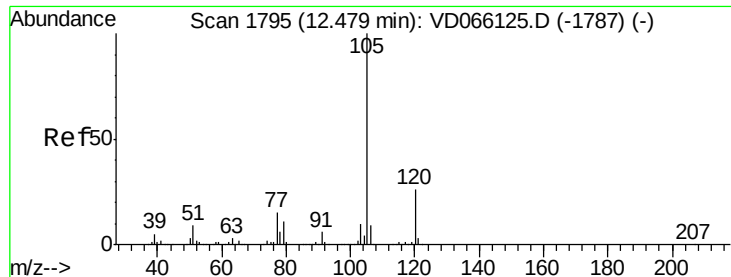


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





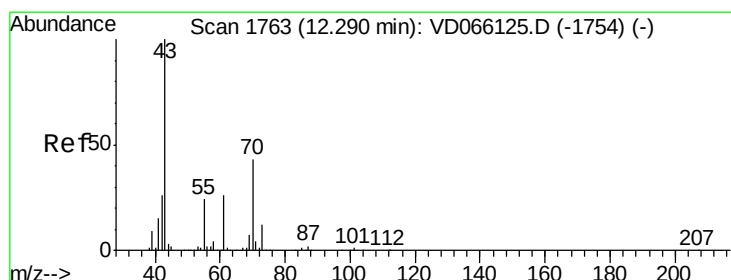
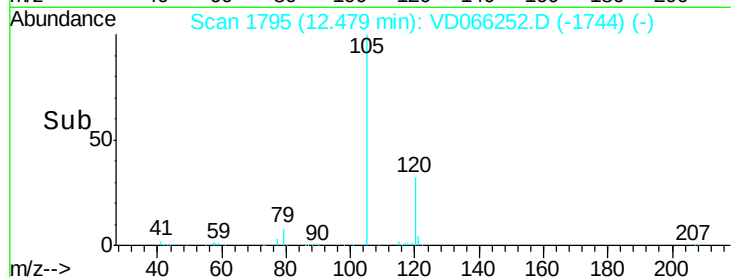
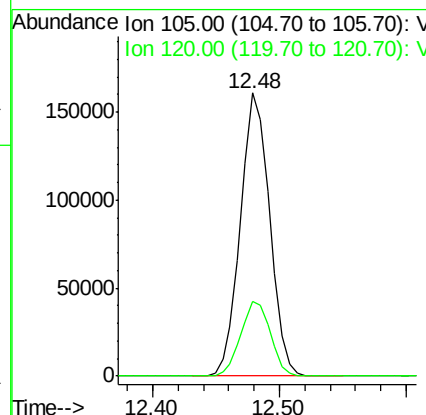
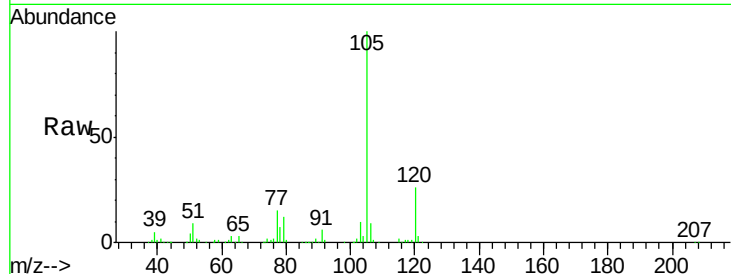
#73
Isopropylbenzene
Concen: 19.591 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VD066252.D
Acq: 17 Aug 2020 12:38

Instrument :
MSVOA_D
ClientSampleId :
VD0817SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.3	39.9

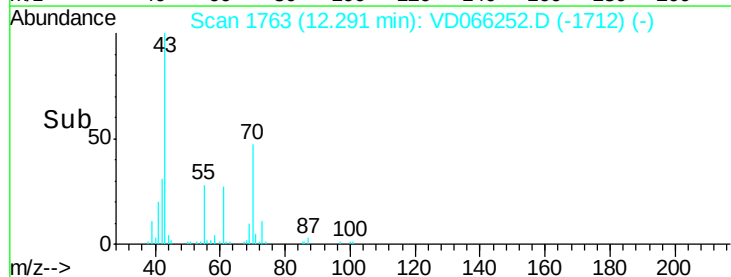
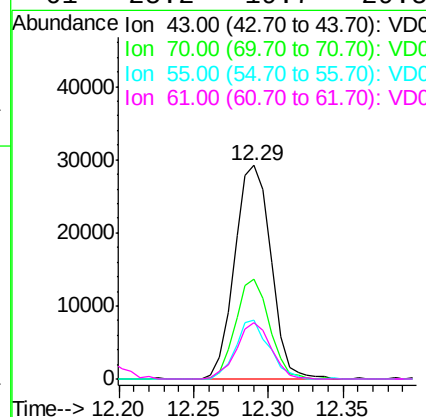
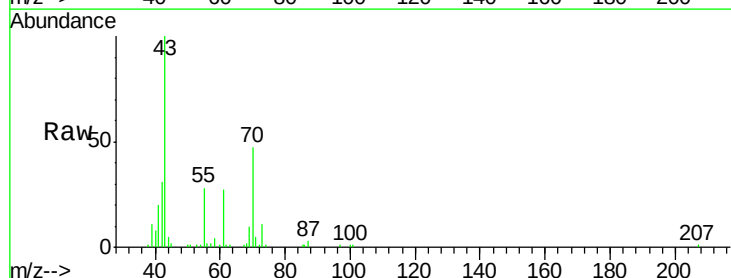
Manual Integrations
APPROVED

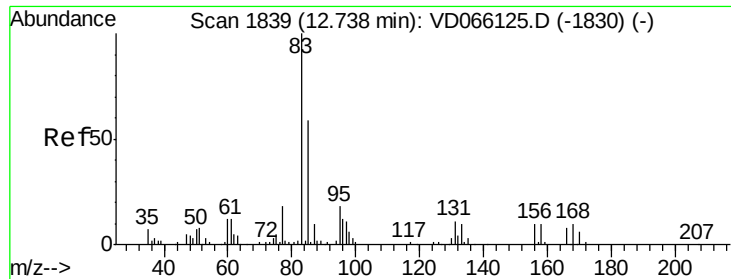
MMDadoda
8/18/2020 11:08:47 AM



#74
N-ethyl acetate
Concen: 17.195 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD066252.D
Acq: 17 Aug 2020 12:38

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.7	34.9	52.3
55	25.5	19.2	28.8
61	25.2	19.7	29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 17.160 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066252.D

Acq: 17 Aug 2020 12:38

Instrument :

MSVOA_D

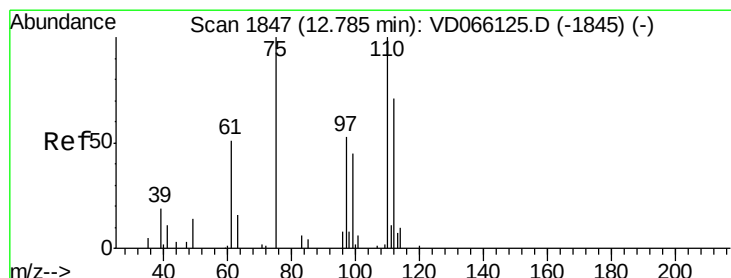
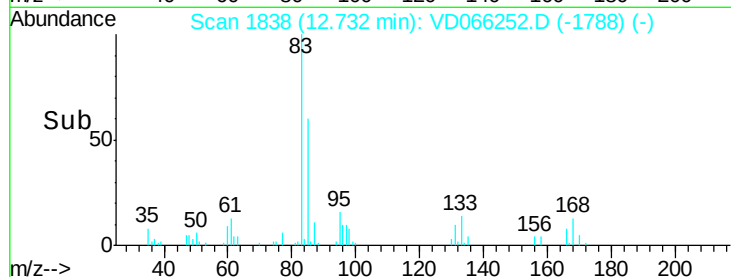
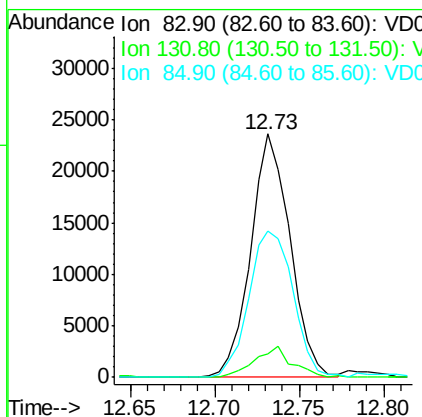
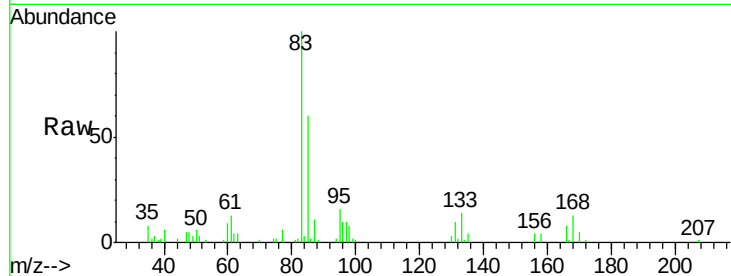
ClientSampleId :

VD0817SBS01

Tot Ion:	83	Resp:	38452
Ion	Ratio	Lower	Upper
83	100		
131	12.2	6.2	18.6
85	67.3	32.4	97.2

Manual Integrations
APPROVED

MMDadoda
8/18/2020 11:08:47 AM



#76

1,2,3-Trichloropropane

Concen: 20.282 ug/l m

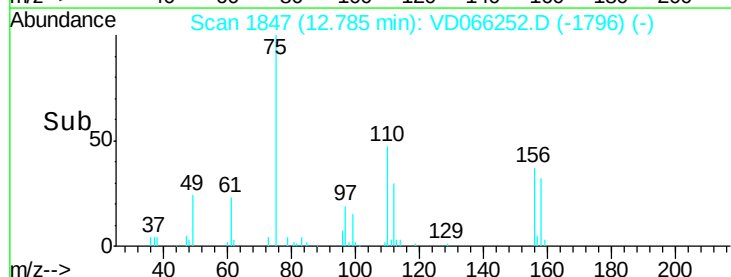
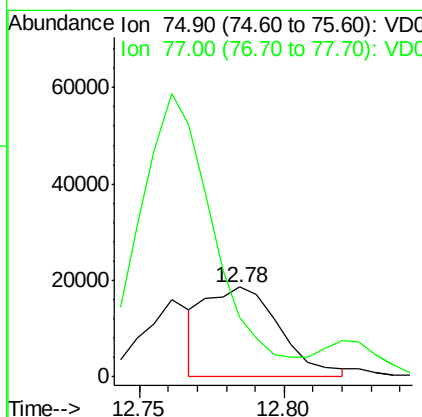
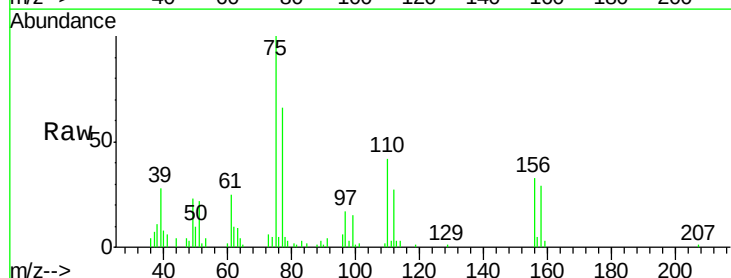
RT: 12.78 min Scan# 1847

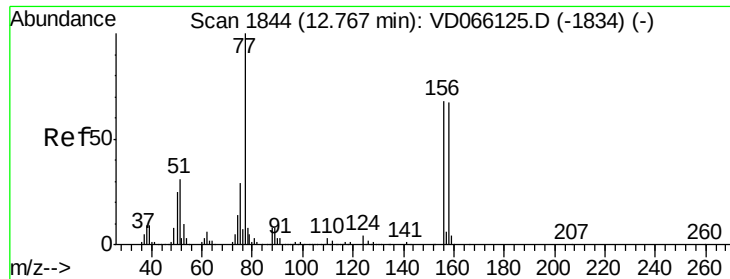
Delta R.T. 0.00 min

Lab File: VD066252.D

Acq: 17 Aug 2020 12:38

Tgt Ion:	75	Resp:	33297
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.558 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD066252.D

Acq: 17 Aug 2020 12:38

Instrument :

MSVOA_D

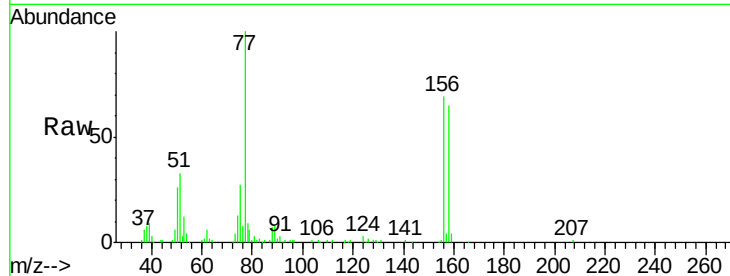
ClientSampleId :

VD0817SBS01

Tot Ion:	156	Resp:	66159
Ion	Ratio	Lower	Upper
156	100		
77	160.3	81.0	243.1
158	97.2	48.8	146.3

Manual Integrations
APPROVED

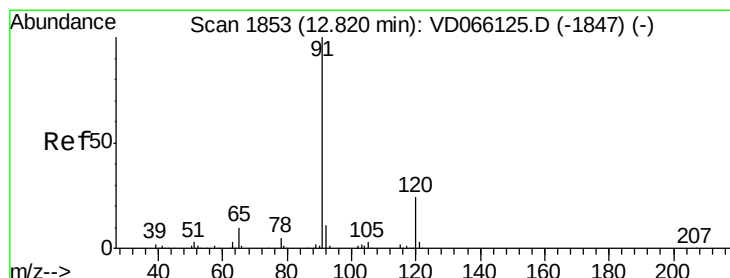
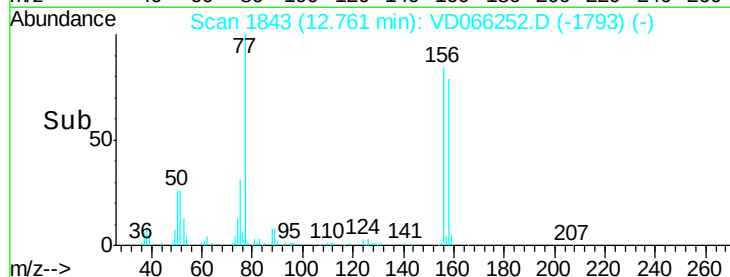
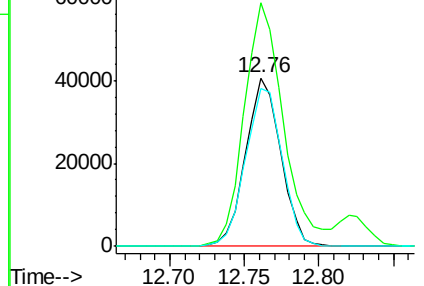
MMDadoda
8/18/2020 11:08:47 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.773 ug/l

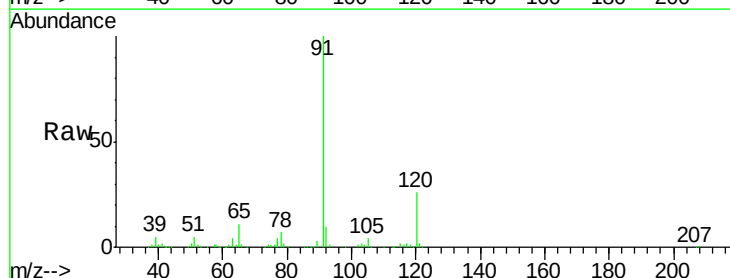
RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066252.D

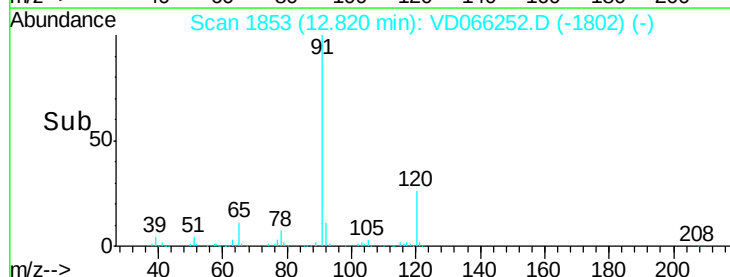
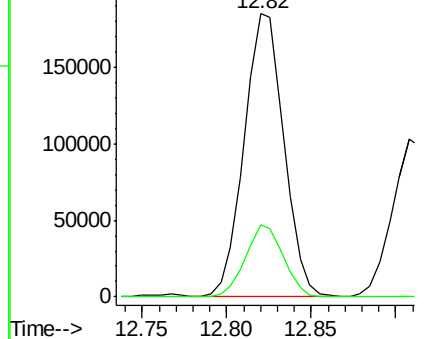
Acq: 17 Aug 2020 12:38

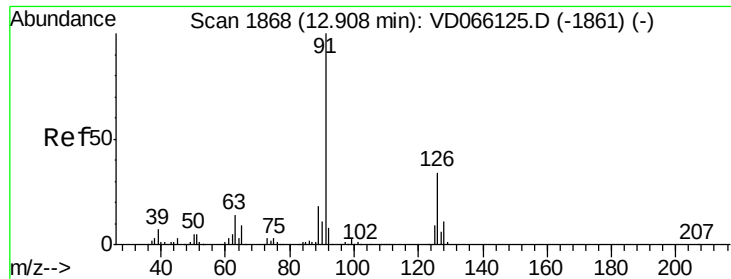
Tgt Ion:	91	Resp:	302045
Ion	Ratio	Lower	Upper
91	100		
120	24.5	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





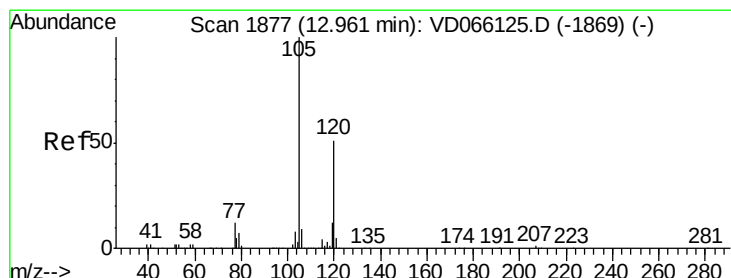
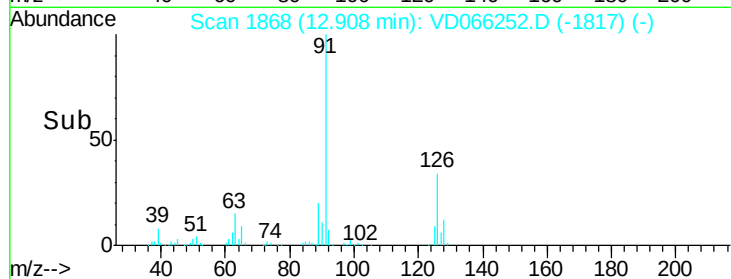
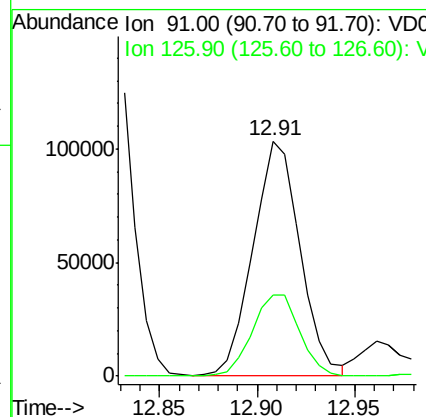
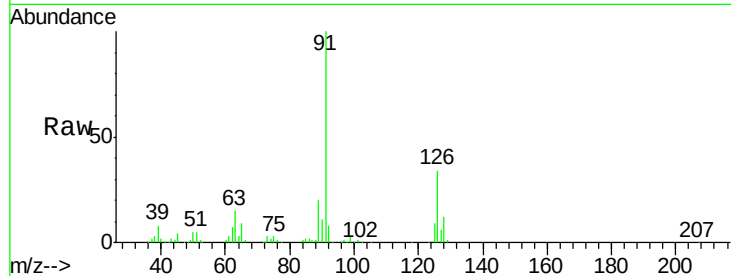
#79
 2-Chlorotoluene
 Concen: 19.708 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VD066252.D
 Acq: 17 Aug 2020 12:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0817SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.5	52.6

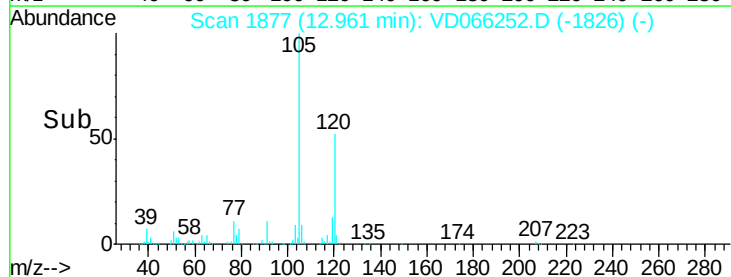
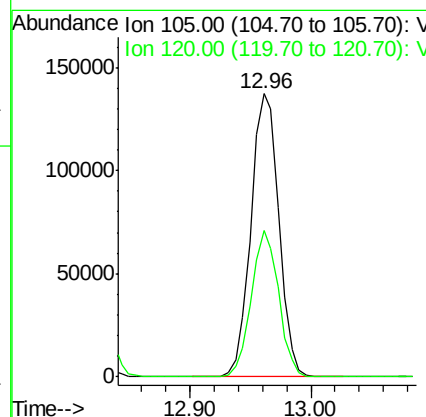
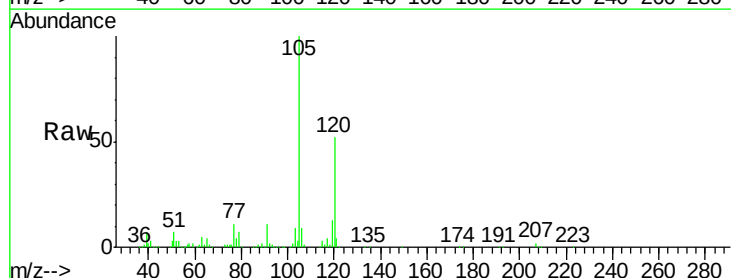
Manual Integrations
 APPROVED

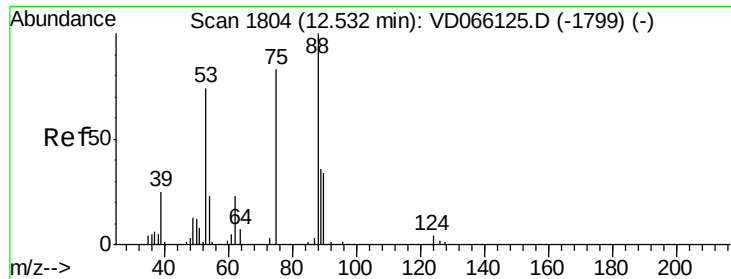
MMDadoda
 8/18/2020 11:08:47 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.208 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD066252.D
 Acq: 17 Aug 2020 12:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.6	25.3	75.8





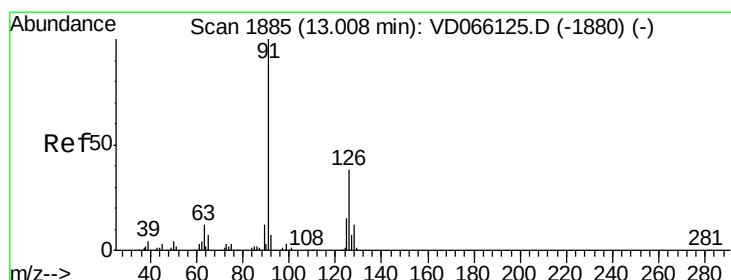
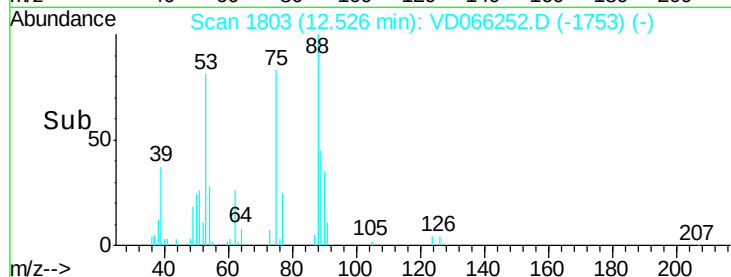
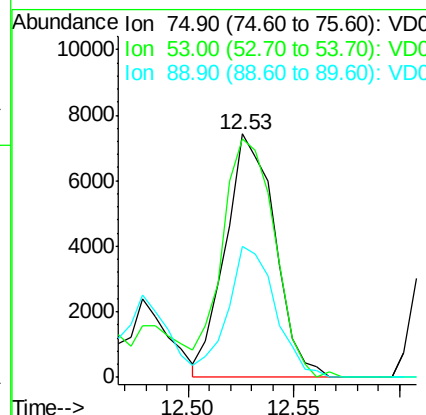
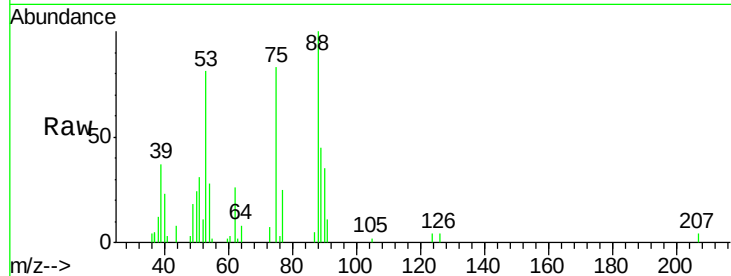
#81
trans-1,4-Dichloro-2-butene
Concen: 16.227 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD066252.D
Acq: 17 Aug 2020 12:38

Instrument :
MSVOA_D
ClientSampleId :
VD0817SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.8	73.4	110.2
89	51.9	36.6	55.0

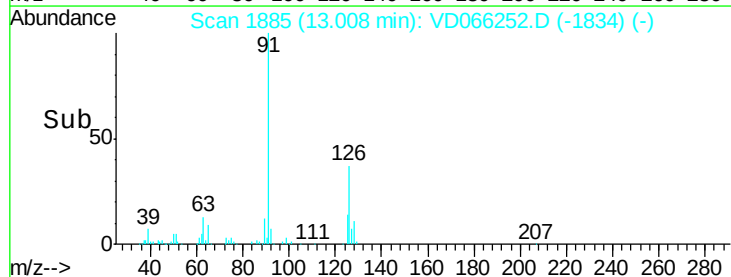
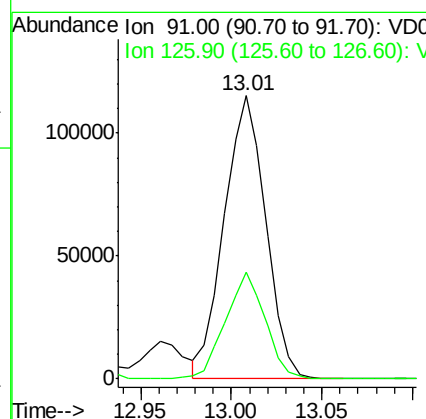
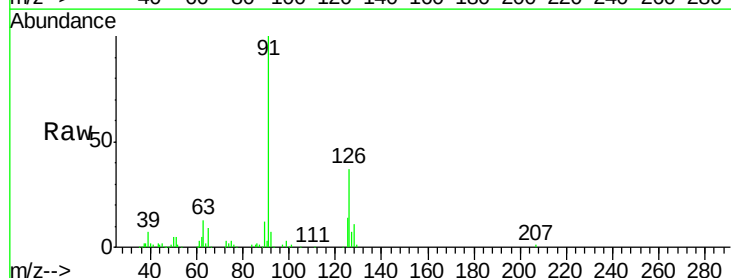
Manual Integrations
APPROVED

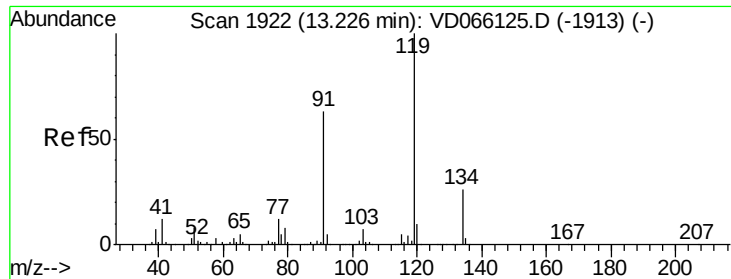
MMDadoda
8/18/2020 11:08:47 AM



#82
4-Chlorotoluene
Concen: 19.842 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD066252.D
Acq: 17 Aug 2020 12:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.1	17.8	53.3





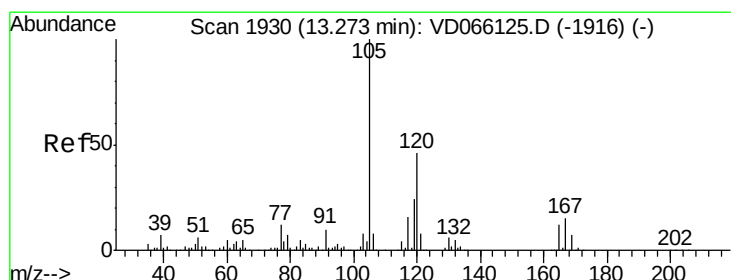
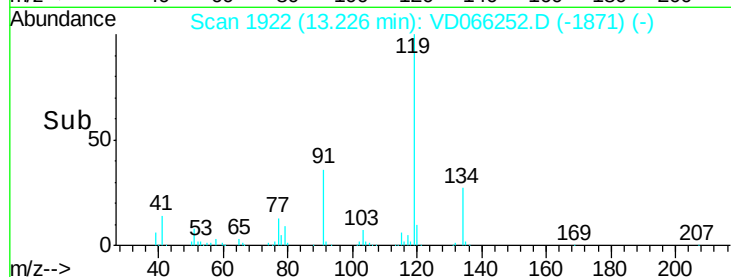
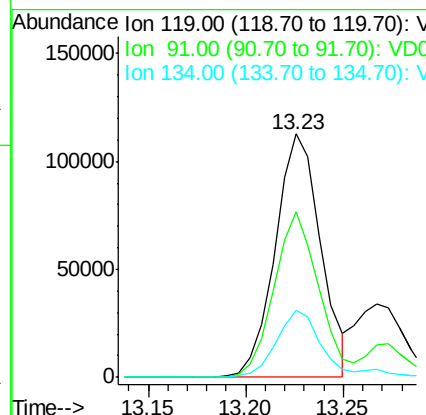
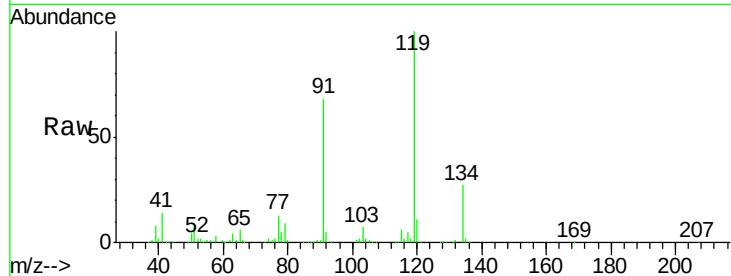
#83
 tert-Butylbenzene
 Concen: 18.841 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD066252.D
 Acq: 17 Aug 2020 12:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0817SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	182101		
91	66.9	30.8	92.4	
134	26.5	13.6	40.8	

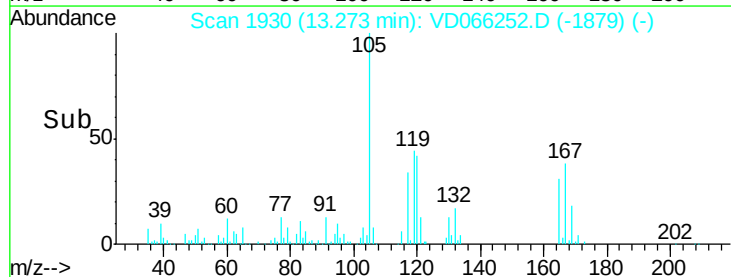
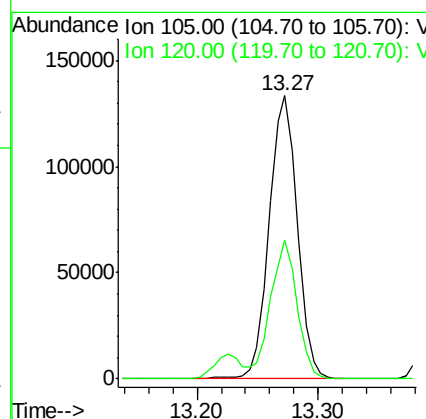
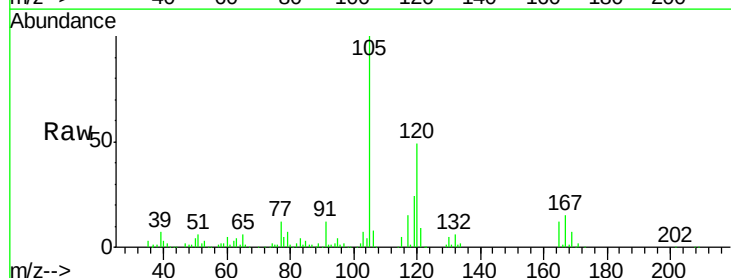
Manual Integrations
 APPROVED

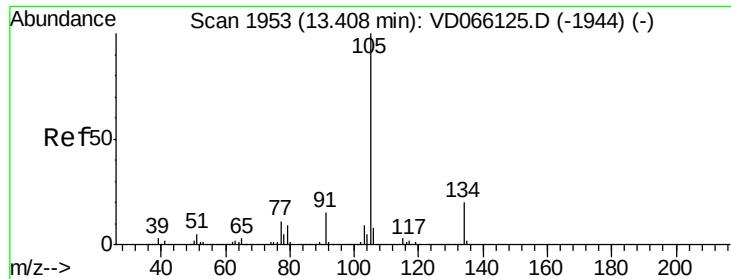
MMDadoda
 8/18/2020 11:08:47 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.719 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD066252.D
 Acq: 17 Aug 2020 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	216881		
120	46.1	23.1	69.2	





#85

sec-Butylbenzene

Concen: 20.099 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD066252.D

Acq: 17 Aug 2020 12:38

Instrument :

MSVOA_D

ClientSampleId :

VD0817SBS01

Tot Ion:105 Resp: 262275

Ion Ratio Lower Upper

105 100

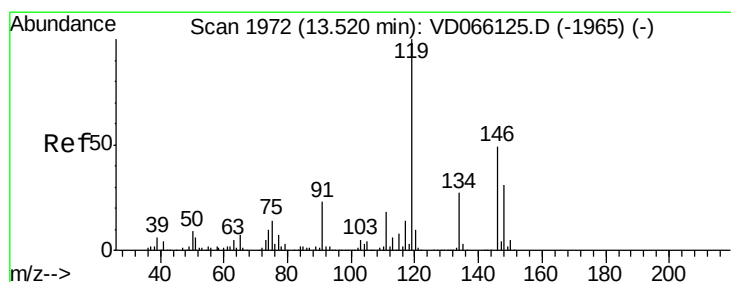
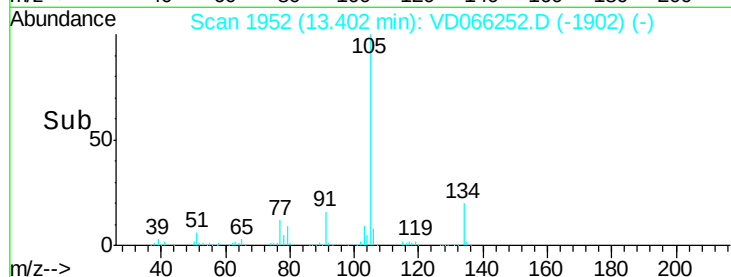
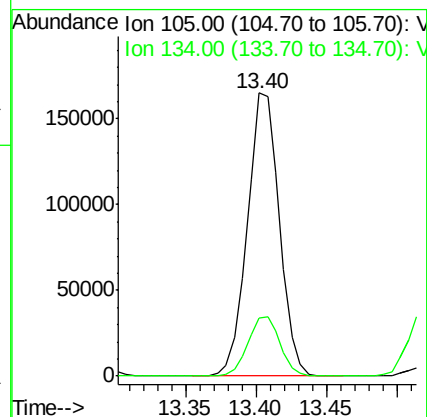
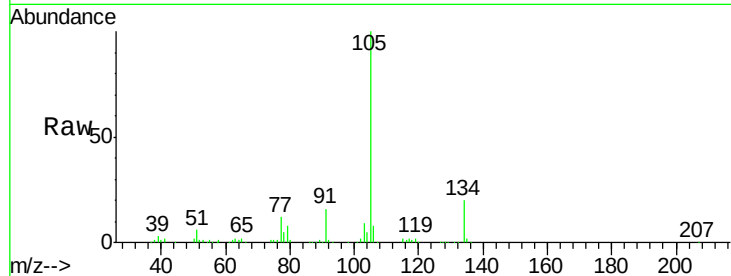
134 21.1 10.4 31.4

Manual Integrations

APPROVED

MMDadoda

8/18/2020 11:08:47 AM



#86

p-Isopropyltoluene

Concen: 20.297 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066252.D

Acq: 17 Aug 2020 12:38

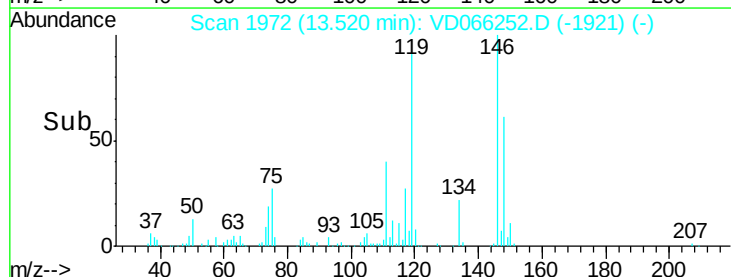
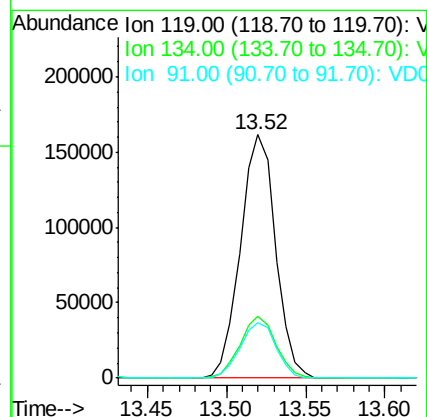
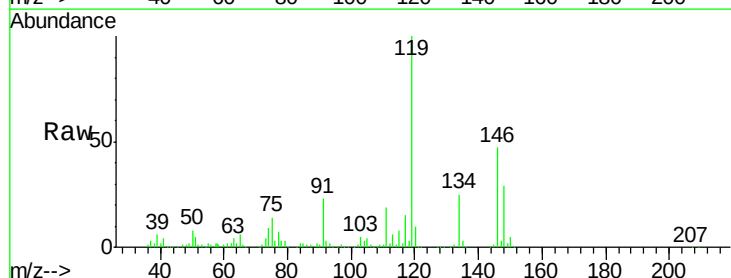
Tgt Ion:119 Resp: 248410

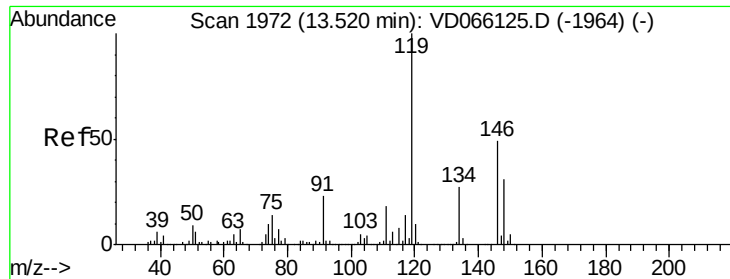
Ion Ratio Lower Upper

119 100

134 25.9 13.5 40.4

91 23.5 11.2 33.5





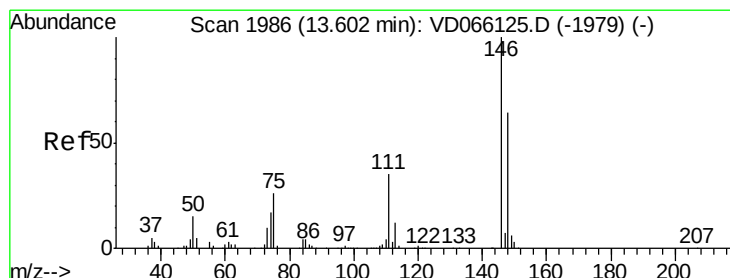
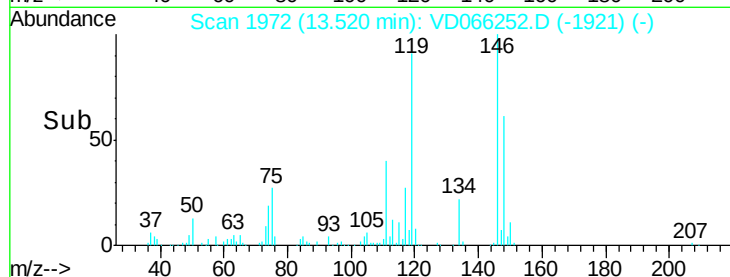
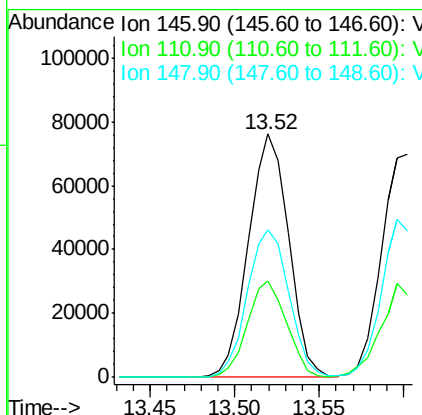
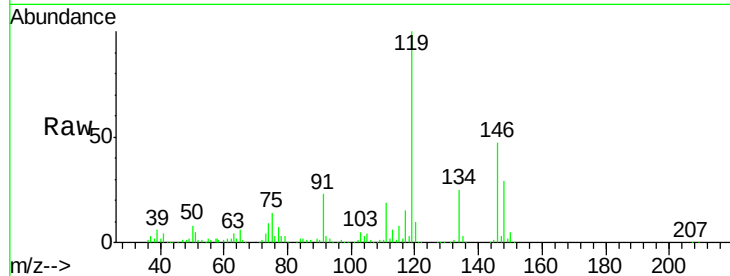
#87
 1,3-Dichlorobenzene
 Concen: 19.829 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066252.D
 Acq: 17 Aug 2020 12:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0817SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.9	56.9
148	62.9	31.8	95.3

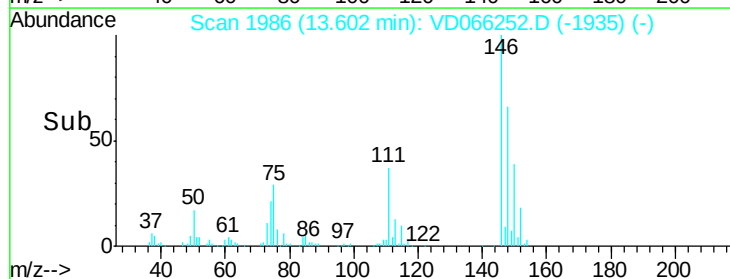
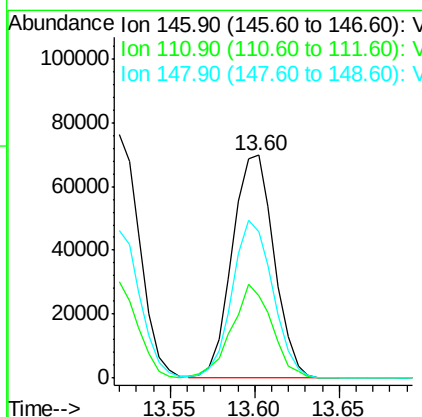
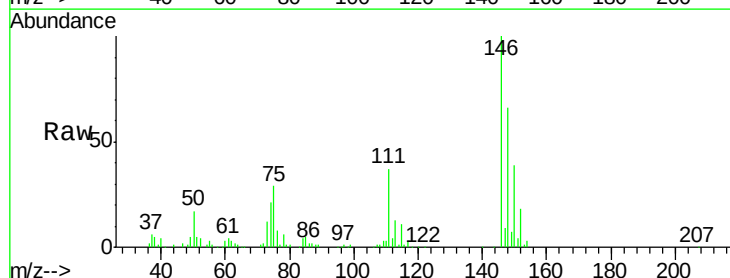
Manual Integrations
 APPROVED

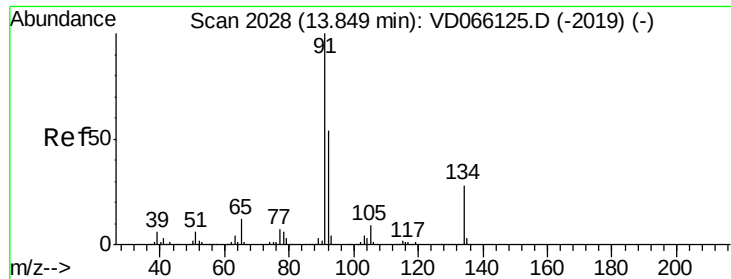
MMDadoda
 8/18/2020 11:08:47 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.003 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD066252.D
 Acq: 17 Aug 2020 12:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	18.6	55.8
148	68.7	32.4	97.0





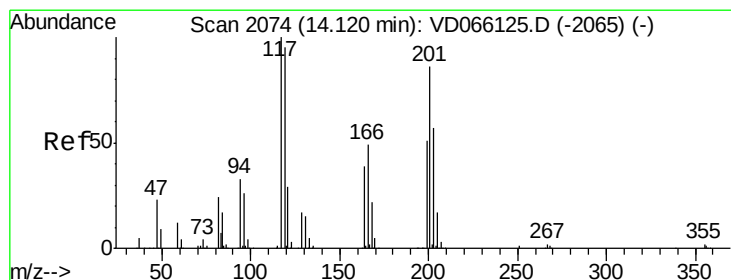
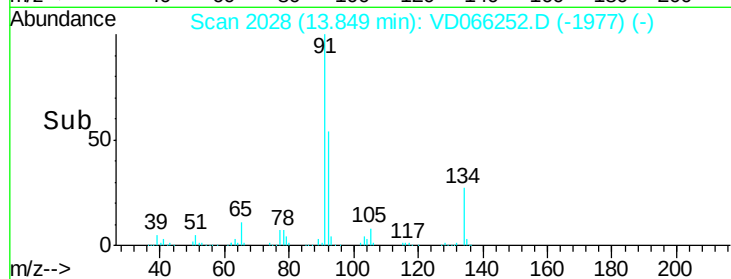
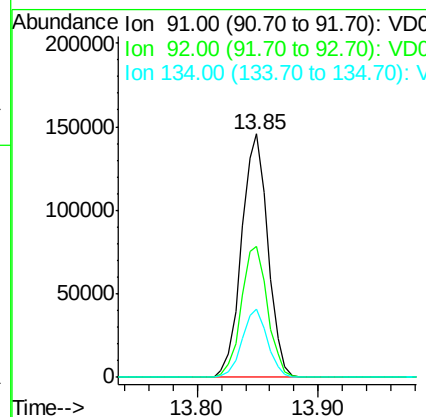
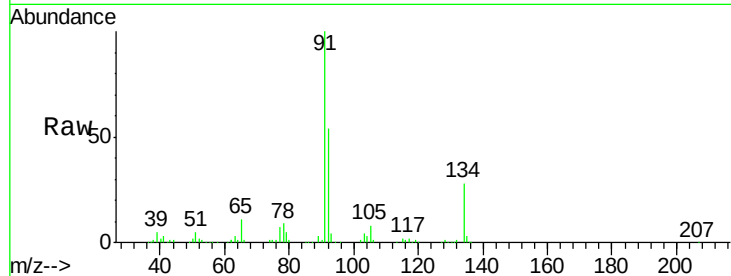
#89
n-Butylbenzene
Concen: 20.148 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066252.D
Acq: 17 Aug 2020 12:38

Instrument :
MSVOA_D
ClientSampleId :
VD0817SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	220931		
92	53.9		26.8	80.3
134	27.3		14.0	41.9

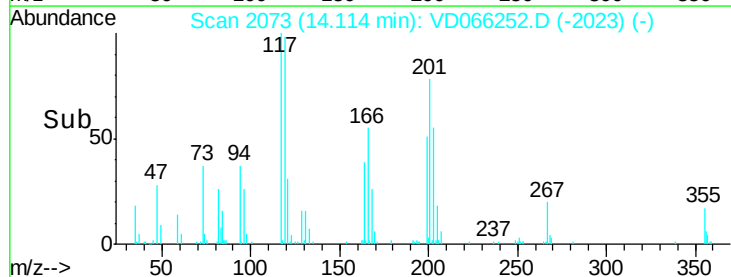
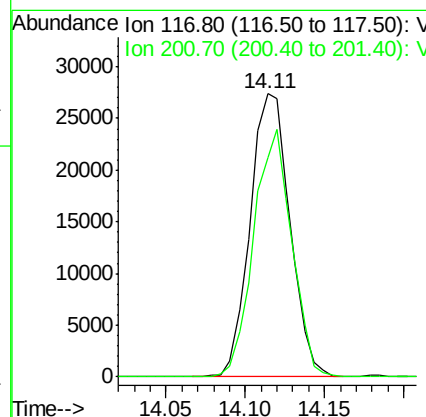
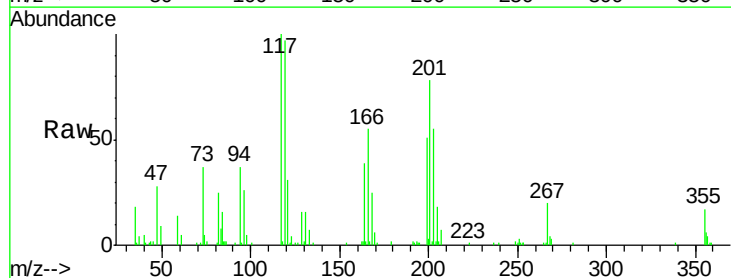
Manual Integrations
APPROVED

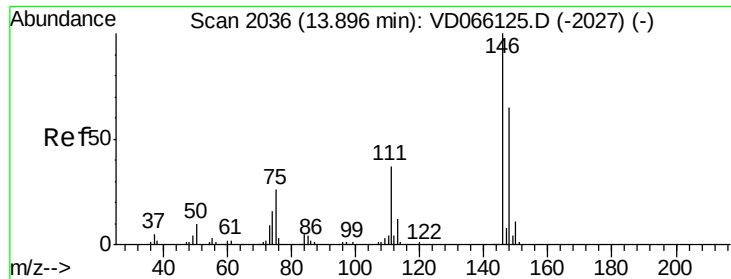
MMDadoda
8/18/2020 11:08:47 AM



#90
Hexachloroethane
Concen: 19.602 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD066252.D
Acq: 17 Aug 2020 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	47847		
201	83.4		42.7	128.1





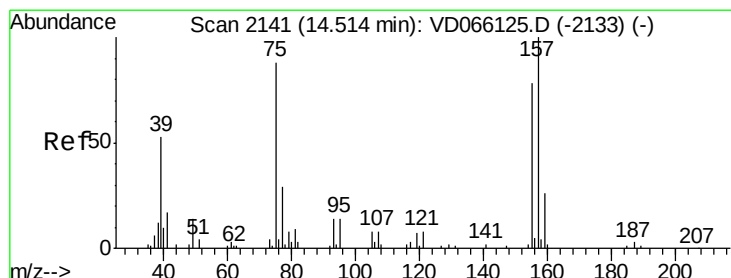
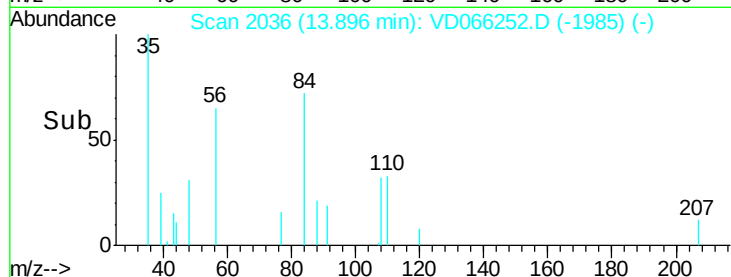
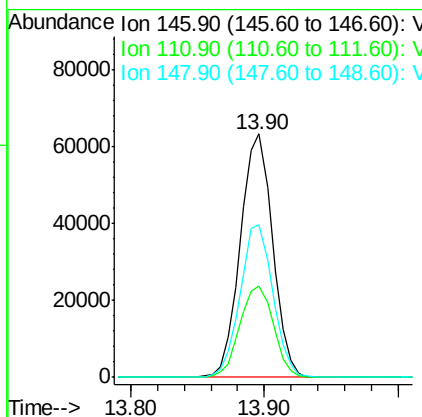
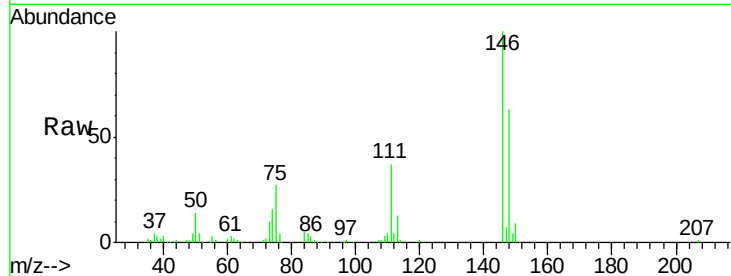
#91
1,2-Dichlorobenzene
Concen: 18.840 ug/l
RT: 13.90 min Scan# 2036
Delta R.T. 0.00 min
Lab File: VD066252.D
Acq: 17 Aug 2020 12:38

Instrument :
MSVOA_D
ClientSampleId :
VD0817SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	18.8	56.3
148	63.6	31.9	95.5

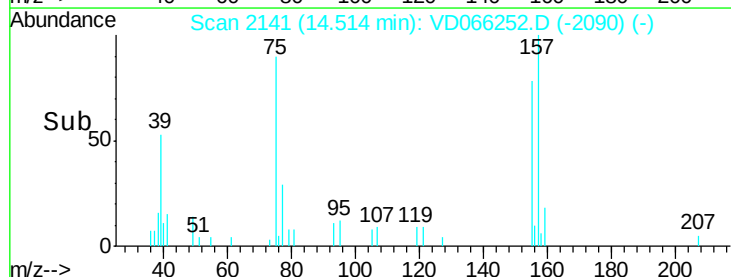
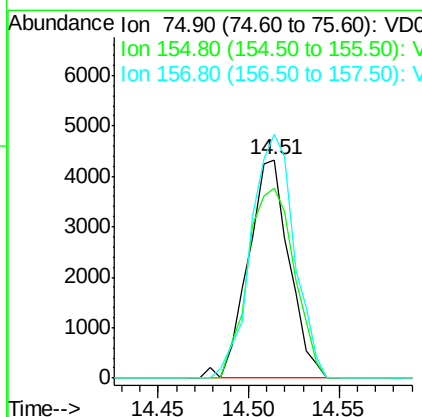
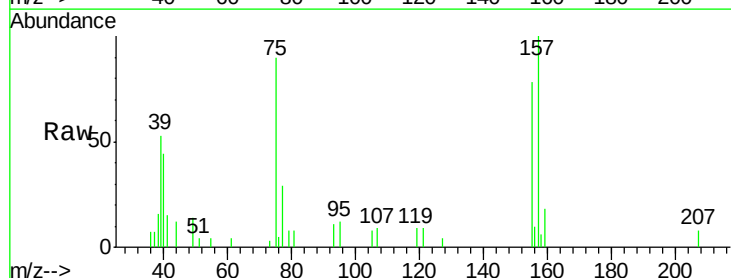
Manual Integrations
APPROVED

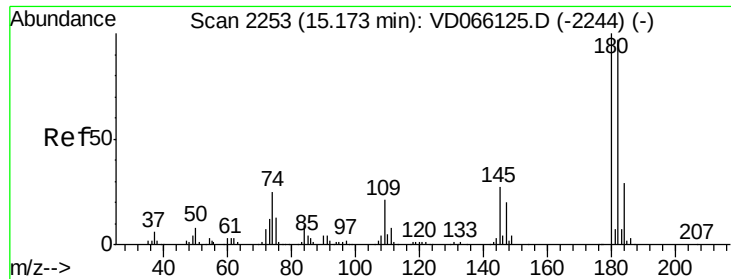
MMDadoda
8/18/2020 11:08:47 AM



#92
1,2-Dibromo-3-Chloropropane
Concen: 17.647 ug/l
RT: 14.51 min Scan# 2141
Delta R.T. 0.00 min
Lab File: VD066252.D
Acq: 17 Aug 2020 12:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.1	47.7	143.1
157	118.1	62.1	186.2





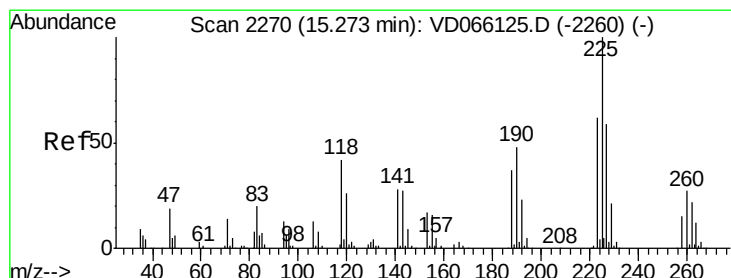
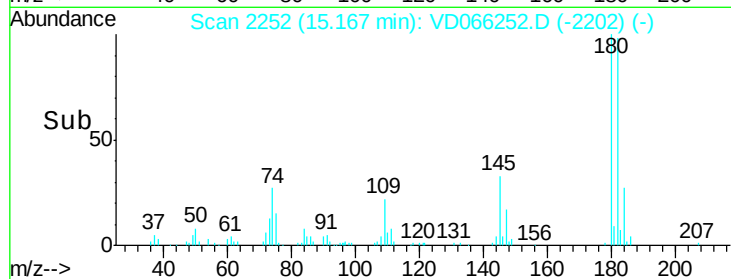
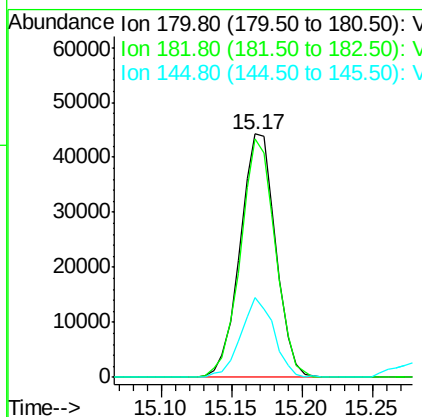
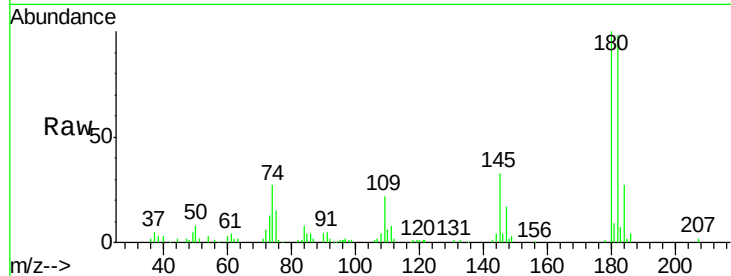
#93
 1,2,4-Trichlorobenzene
 Concen: 18.811 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD066252.D
 Acq: 17 Aug 2020 12:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0817SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.4	142.2
145	30.6	14.5	43.6

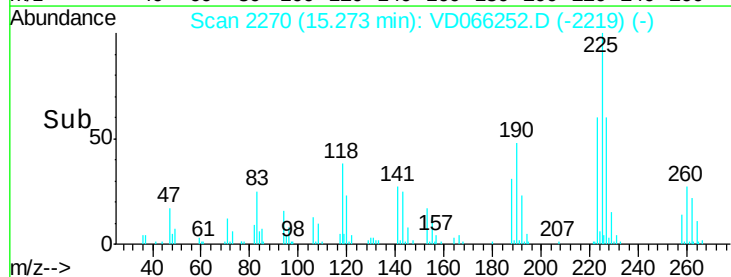
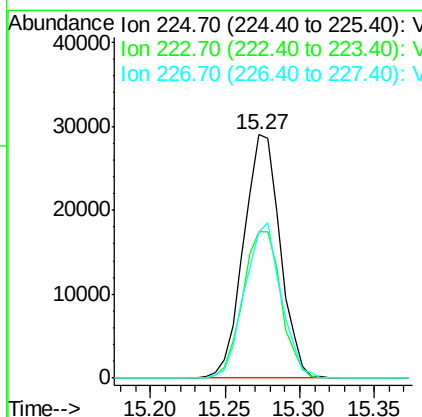
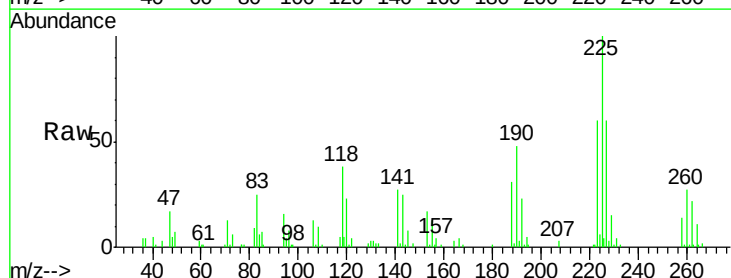
Manual Integrations
 APPROVED

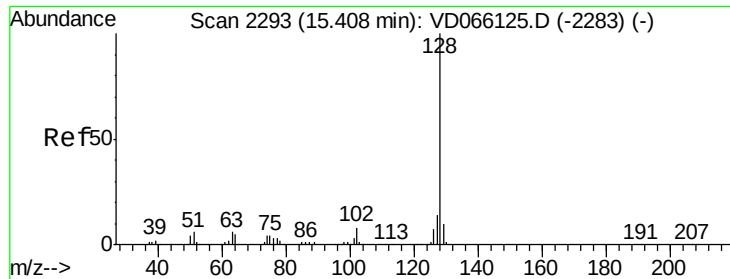
MMDadoda
 8/18/2020 11:08:47 AM



#94
 Hexachlorobutadiene
 Concen: 20.136 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066252.D
 Acq: 17 Aug 2020 12:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	32.3	96.9
227	63.0	32.1	96.5





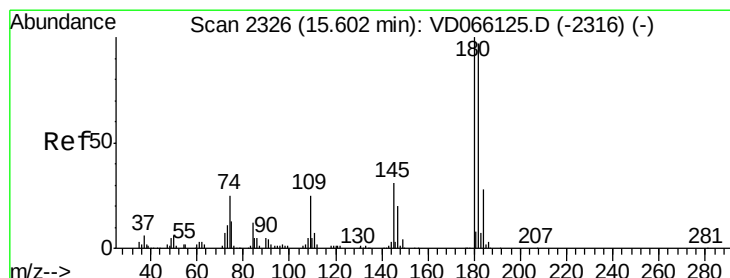
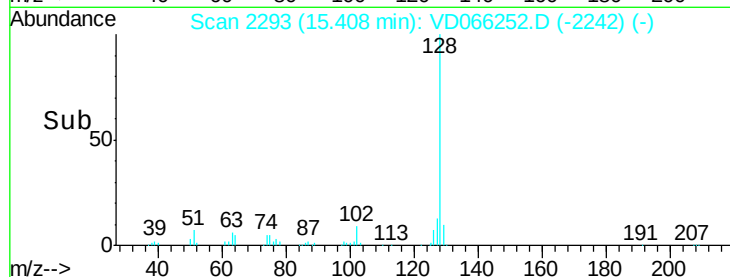
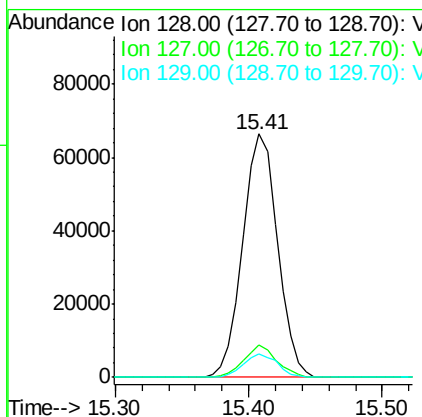
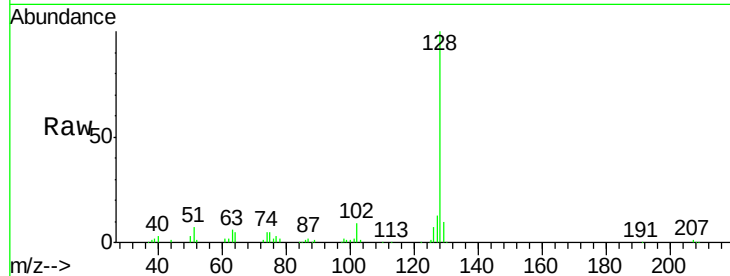
#95
Naphthalene
Concen: 17.757 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066252.D
Acq: 17 Aug 2020 12:38

Instrument :
MSVOA_D
ClientSampleId :
VD0817SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	11.0	16.4
129	9.5	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/18/2020 11:08:47 AM



#96
1,2,3-Trichlorobenzene
Concen: 17.957 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066252.D
Acq: 17 Aug 2020 12:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.2	47.1	141.4
145	31.7	14.9	44.9

