

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092220\
 Data File : VD066807.D
 Acq On : 22 Sep 2020 13:05
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 9/23/2020 1:05:03 PM

Quant Time: Sep 22 13:23:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 22 12:44:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	430878	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	673298	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	616710	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	291350	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	558101	123.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	247.72%	
35) Dibromofluoromethane	7.91	113	585982	141.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	282.50%	
50) Toluene-d8	10.34	98	2100846	143.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	286.76%	
62) 4-Bromofluorobenzene	12.63	95	724061	142.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	285.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	409324	114.997	ug/l	92
3) Chloromethane	2.21	50	502422	110.294	ug/l	99
4) Vinyl Chloride	2.35	62	500439	105.718	ug/l	96
5) Bromomethane	2.75	94	353725	105.617	ug/l	95
6) Chloroethane	2.91	64	324885	111.054	ug/l	98
7) Trichlorofluoromethane	3.27	101	1026763	122.533	ug/l	100
8) Diethyl Ether	3.71	74	290370	137.055	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	591571	127.739	ug/l	99
10) Methyl Iodide	4.30	142	684626	158.178	ug/l	97
11) Tert butyl alcohol	5.23	59	159884	349.425	ug/l #	85
12) 1,1-Dichloroethene	4.07	96	563820	131.262	ug/l	92
13) Acrolein	3.92	56	210549	654.666	ug/l	96
14) Allyl chloride	4.71	41	897177	131.946	ug/l	100
15) Acrylonitrile	5.42	53	613796	659.668	ug/l	99
16) Acetone	4.16	43	585557	620.900	ug/l	99
17) Carbon Disulfide	4.41	76	1715365	128.099	ug/l	99
18) Methyl Acetate	4.71	43	276528	122.398	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	1344577	140.939	ug/l	99
20) Methylene Chloride	4.97	84	652664	103.578	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	672219	134.789	ug/l	91
22) Diisopropyl ether	6.36	45	1816018	131.195	ug/l	97
23) Vinyl Acetate	6.30	43	5078079	665.921	ug/l	99
24) 1,1-Dichloroethane	6.26	63	1142977	129.016	ug/l	98
25) 2-Butanone	7.21	43	726365	605.071	ug/l	100
26) 2,2-Dichloropropane	7.21	77	1025443	125.620	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	755445	138.498	ug/l	99
28) Bromochloromethane	7.55	49	511251	150.386	ug/l #	98
29) Tetrahydrofuran	7.56	42	484846	658.328	ug/l	98
30) Chloroform	7.71	83	1240345	131.745	ug/l	99
31) Cyclohexane	7.98	56	974863	121.806	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	1126213	130.756	ug/l	99
36) 1,1-Dichloropropene	8.11	75	932549	135.211	ug/l	100
37) Ethyl Acetate	7.29	43	347866	133.360	ug/l	99
38) Carbon Tetrachloride	8.10	117	1005494	136.949	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092220\
 Data File : VD066807.D
 Acq On : 22 Sep 2020 13:05
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 9/23/2020 1:05:03 PM

Quant Time: Sep 22 13:23:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 22 12:44:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	1123523	142.453	ug/l	99
40) Benzene	8.35	78	2629972	140.210	ug/l	97
41) Methacrylonitrile	7.54	41	214205m	151.972	ug/l	
42) 1,2-Dichloroethane	8.42	62	753652	130.945	ug/l	100
43) Isopropyl Acetate	8.45	43	676855	137.550	ug/l	98
44) Trichloroethene	9.11	130	747141	147.766	ug/l	99
45) 1,2-Dichloropropane	9.38	63	648219	139.199	ug/l	99
46) Dibromomethane	9.47	93	364049	141.948	ug/l	100
47) Bromodichloromethane	9.66	83	956767	137.984	ug/l #	96
48) Methyl methacrylate	9.45	41	359433	145.957	ug/l	92
49) 1,4-Dioxane	9.46	88	77213	2805.509	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	1687781	666.728	ug/l	100
52) Toluene	10.40	92	1728895	143.825	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	879374	142.460	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	1061905	144.814	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	483828	142.393	ug/l	97
56) Ethyl methacrylate	10.66	69	591138	155.322	ug/l	96
57) 1,3-Dichloropropane	10.94	76	816496	138.734	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	1235660	729.262	ug/l	98
59) 2-Hexanone	10.98	43	1151267	676.765	ug/l	97
60) Dibromochloromethane	11.14	129	644228	146.392	ug/l	99
61) 1,2-Dibromoethane	11.24	107	473991	146.224	ug/l	100
64) Tetrachloroethene	10.87	164	600965	141.723	ug/l	98
65) Chlorobenzene	11.67	112	1806382	141.805	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	698432	147.343	ug/l	98
67) Ethyl Benzene	11.74	91	3343047	145.308	ug/l	99
68) m/p-Xylenes	11.85	106	2534272	290.665	ug/l	100
69) o-Xylene	12.18	106	1177264	152.335	ug/l	99
70) Styrene	12.19	104	2010656	148.186	ug/l	99
71) Bromoform	12.36	173	345795	144.896	ug/l #	98
73) Isopropylbenzene	12.48	105	3175729	146.572	ug/l	99
74) N-amyl acetate	12.29	43	621460	136.543	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	494419	132.817	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	320644m	127.839	ug/l	
77) Bromobenzene	12.76	156	708972	140.625	ug/l	98
78) n-propylbenzene	12.82	91	3694506	140.215	ug/l	100
79) 2-Chlorotoluene	12.91	91	2070515	139.017	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	2641457	144.391	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	157009	137.655	ug/l	94
82) 4-Chlorotoluene	13.01	91	2174587	137.692	ug/l	99
83) tert-Butylbenzene	13.23	119	2247226	148.695	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	2641542	144.413	ug/l	99
85) sec-Butylbenzene	13.40	105	3095479	143.168	ug/l	99
86) p-Isopropyltoluene	13.52	119	2895401	147.398	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	1371108	142.356	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	1325368	138.062	ug/l	99
89) n-Butylbenzene	13.84	91	2667077	143.331	ug/l	99
90) Hexachloroethane	14.11	117	564339	140.496	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	1171675	141.872	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	82532	138.595	ug/l	94

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092220\
 Data File : VD066807.D
 Acq On : 22 Sep 2020 13:05
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 9/23/2020 1:05:03 PM

Quant Time: Sep 22 13:23:59 2020
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 22 12:44:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	810319	162.107	ug/l	97
94) Hexachlorobutadiene	15.27	225	455231	150.935	ug/l	99
95) Naphthalene	15.41	128	1479100	167.842	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	695530	158.005	ug/l	99

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

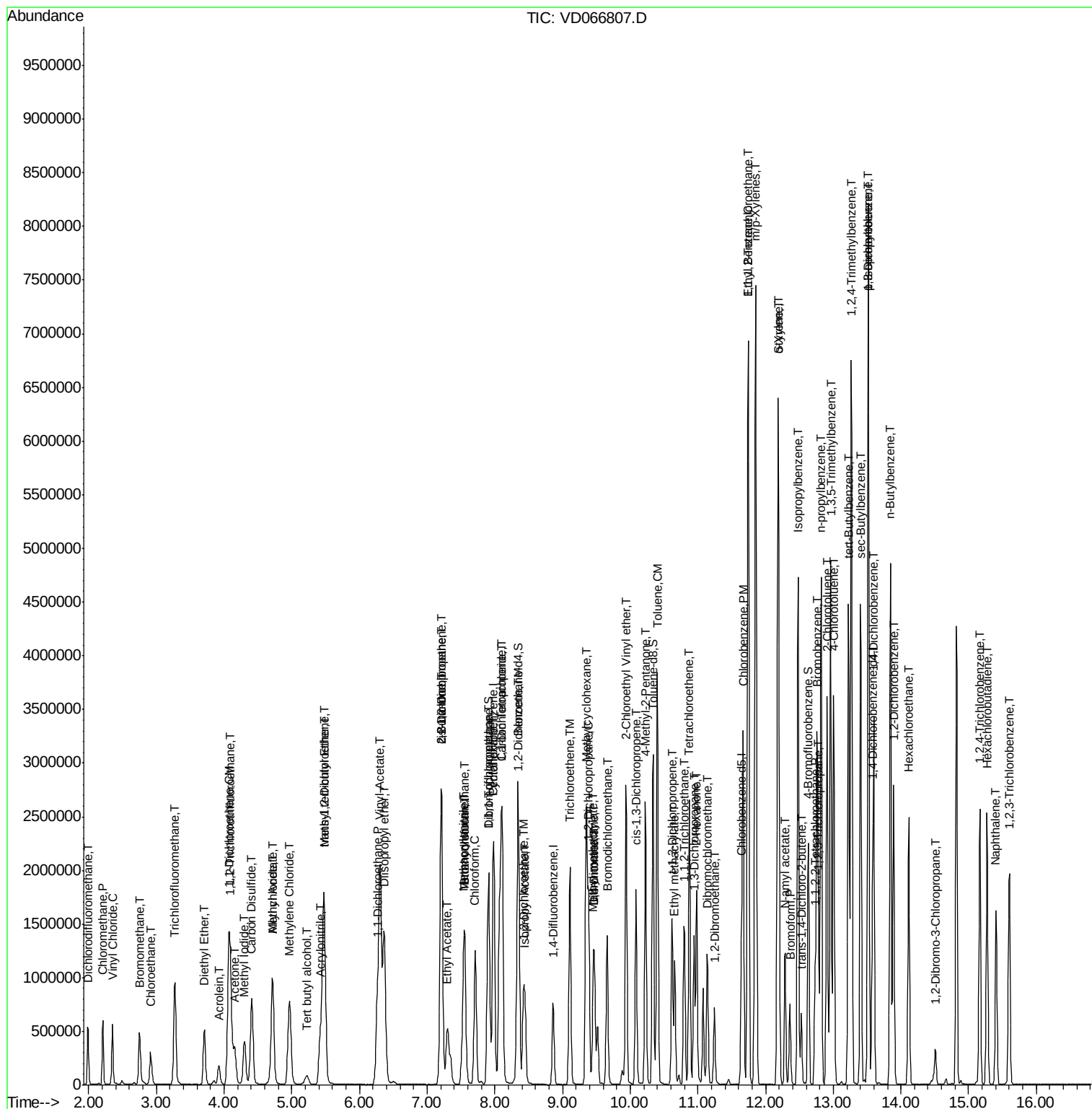
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092220\
Data File : VD066807.D
Acq On : 22 Sep 2020 13:05
Operator : VA/SY
Sample : VSTDICC150
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

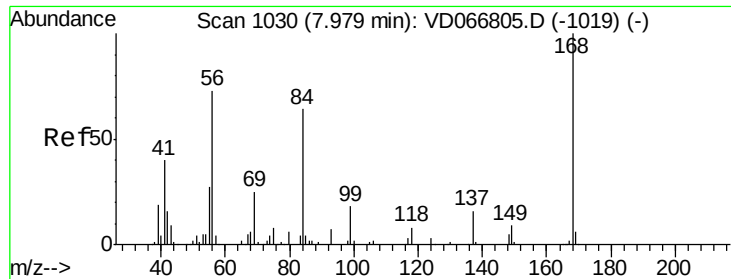
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

MMDadoda
9/23/2020 1:05:03 PM

Quant Time: Sep 22 13:23:59 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 22 12:44:26 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066807.D

Acq: 22 Sep 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 430878

Ion Ratio Lower Upper

168 100

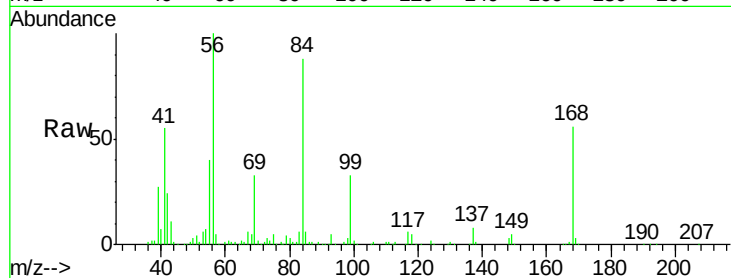
99 59.2 46.6 69.8

Manual Integrations

APPROVED

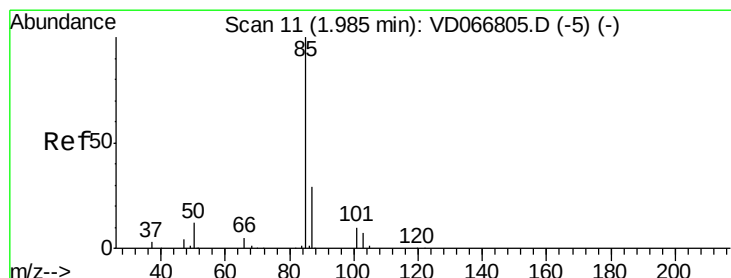
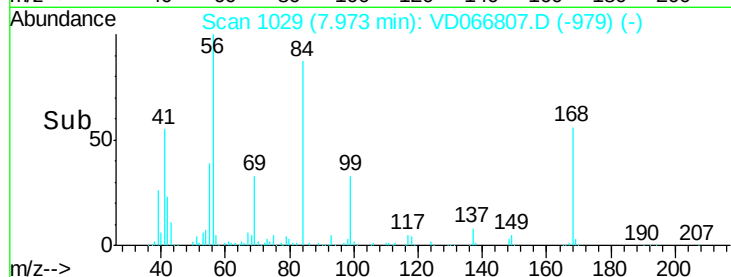
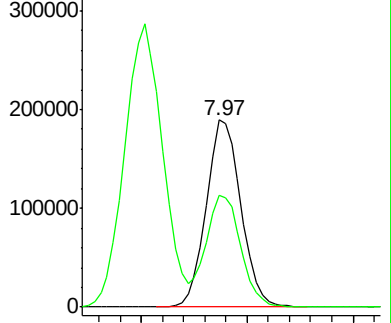
MMDadoda

9/23/2020 1:05:03 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 114.997 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066807.D

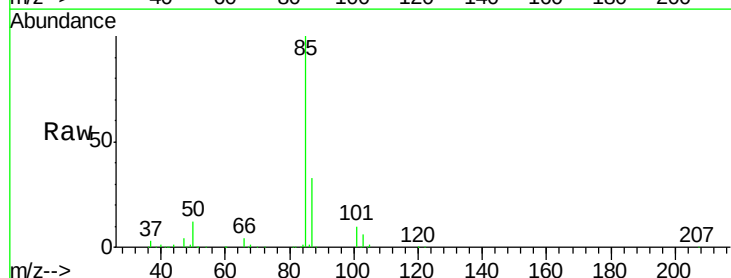
Acq: 22 Sep 2020 13:05

Tgt Ion: 85 Resp: 409324

Ion Ratio Lower Upper

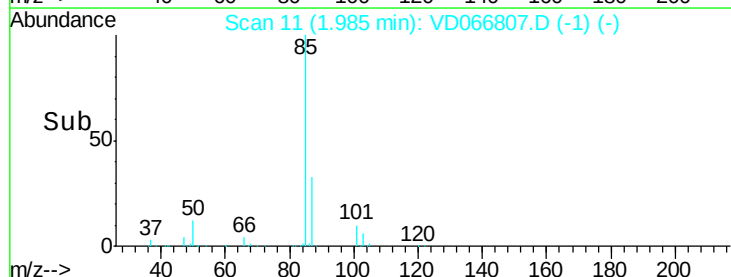
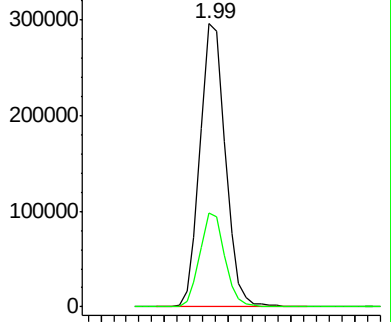
85 100

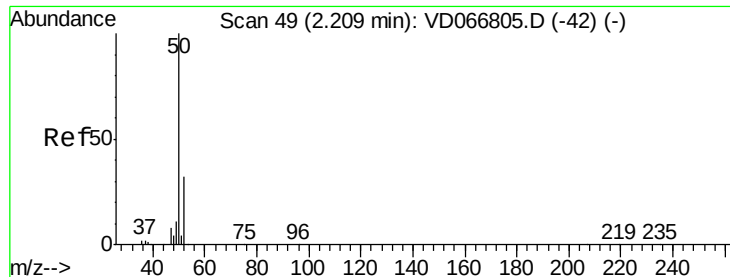
87 33.2 14.5 43.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 110.294 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066807.D

Acq: 22 Sep 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 502422

Ion Ratio Lower Upper

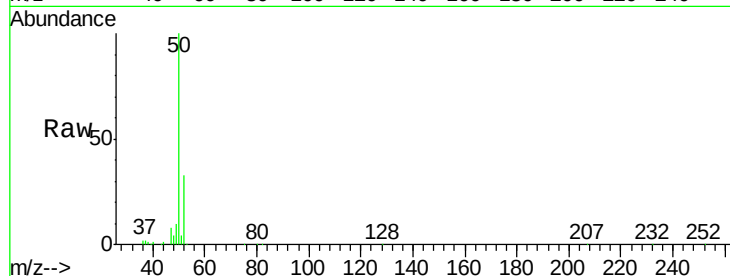
50 100

52 32.6 25.5 38.3

Manual Integrations
APPROVED

MMDadoda

9/23/2020 1:05:03 PM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

400000

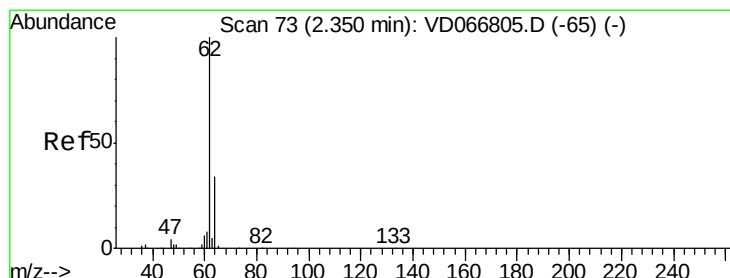
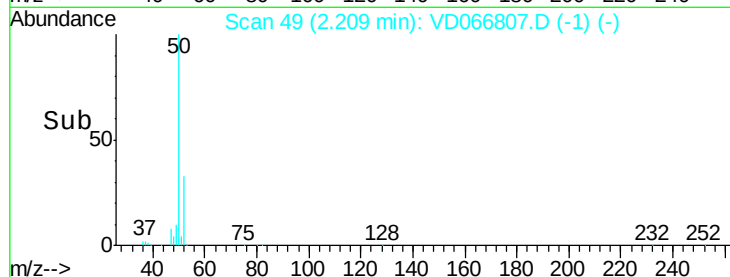
300000

200000

100000

0

Time--> 2.10 2.20 2.30



#4

Vinyl Chloride

Concen: 105.718 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066807.D

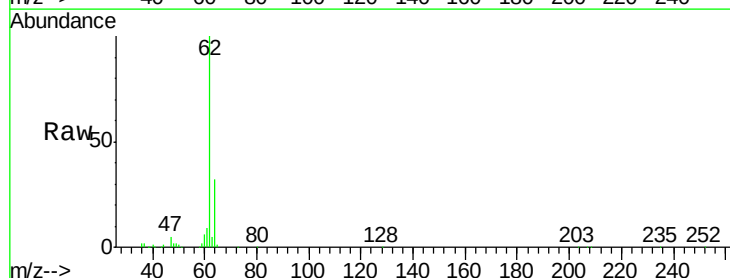
Acq: 22 Sep 2020 13:05

Tgt Ion: 62 Resp: 500439

Ion Ratio Lower Upper

62 100

64 31.6 27.0 40.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

400000

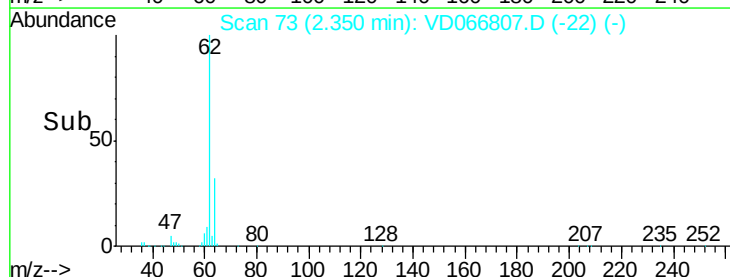
300000

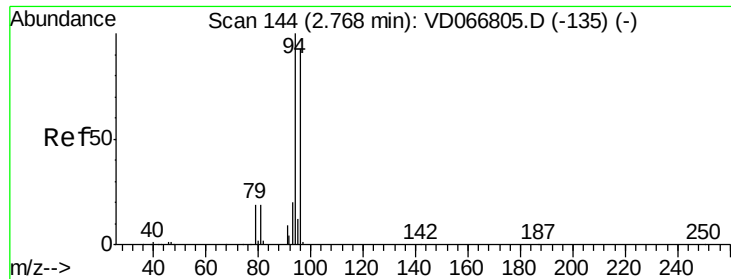
200000

100000

0

Time--> 2.30 2.35 2.40





#5

Bromomethane

Concen: 105.617 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

Lab File: VD066807.D

Acq: 22 Sep 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC150

Tot Ion: 94 Resp: 353725

Ion Ratio Lower Upper

94 100

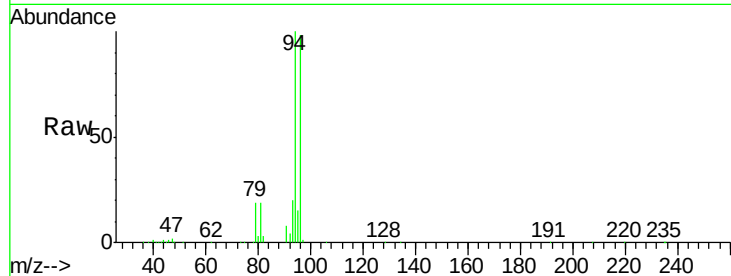
96 98.1 74.3 111.5

Manual Integrations

APPROVED

MMDadoda

9/23/2020 1:05:03 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.75

150000

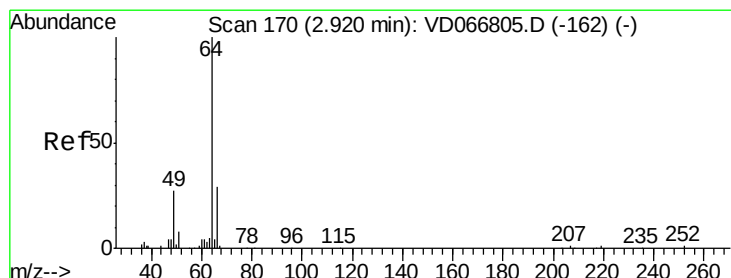
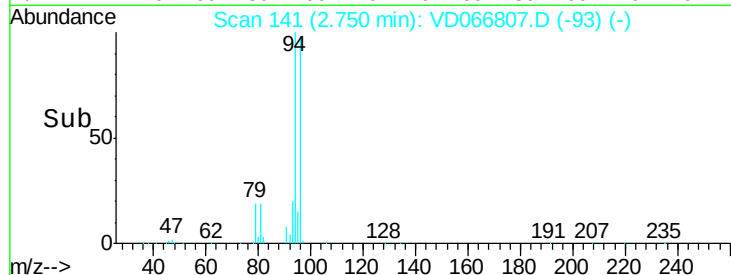
100000

50000

0

Time-->

2.70 2.80



#6

Chloroethane

Concen: 111.054 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD066807.D

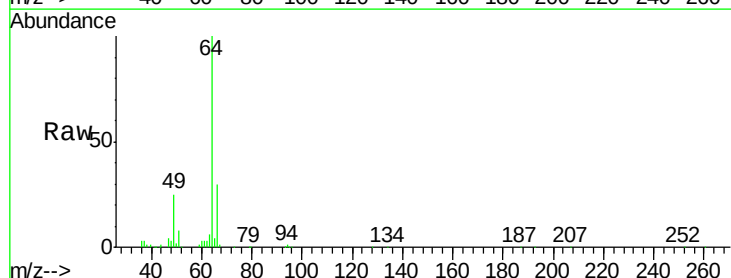
Acq: 22 Sep 2020 13:05

Tgt Ion: 64 Resp: 324885

Ion Ratio Lower Upper

64 100

66 30.4 23.3 34.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.91

150000

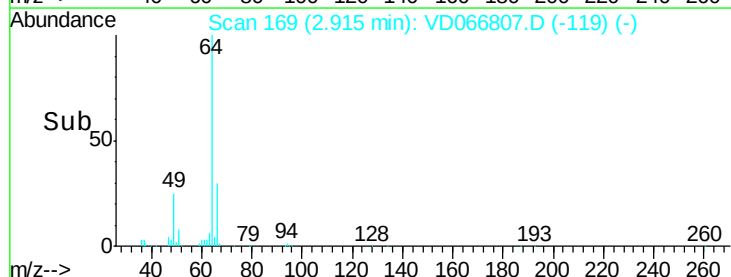
100000

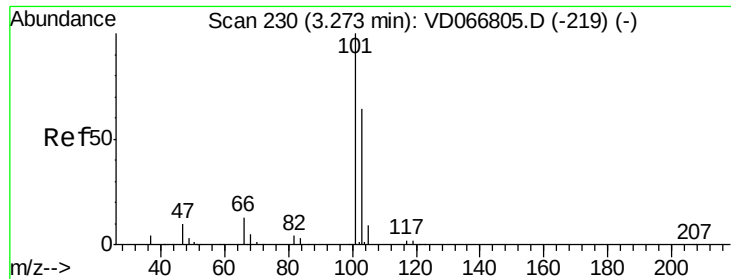
50000

0

Time-->

2.80 2.90 3.00





#7

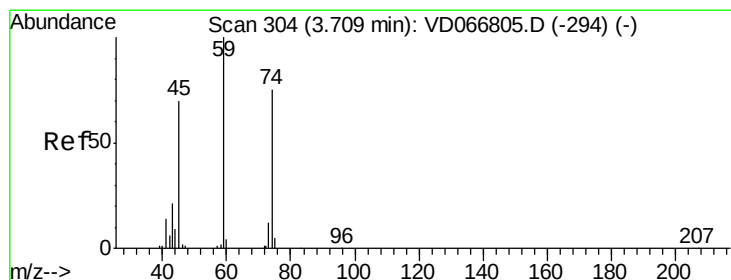
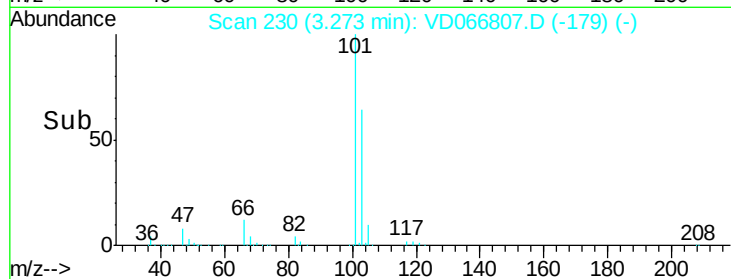
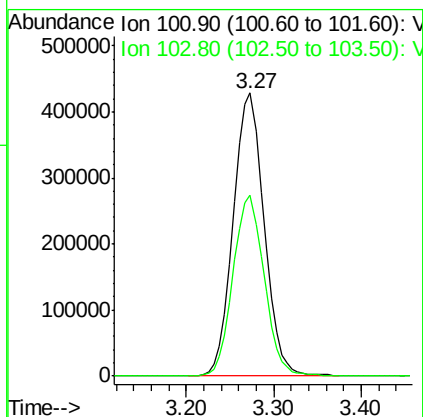
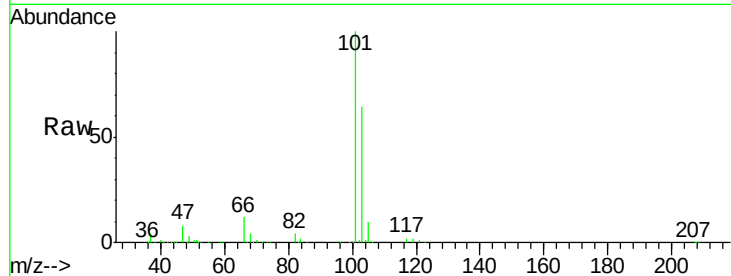
Trichlorofluoromethane
Concen: 122.533 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD066807.D
Acq: 22 Sep 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.0	76.6

Manual Integrations
APPROVED

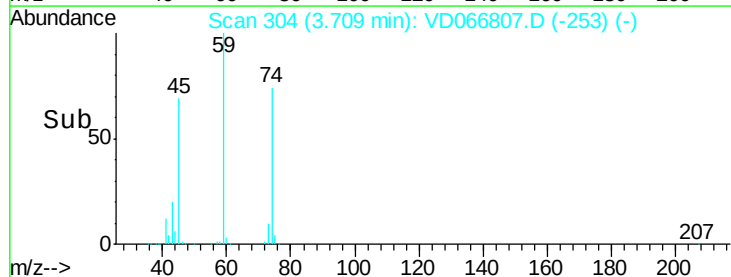
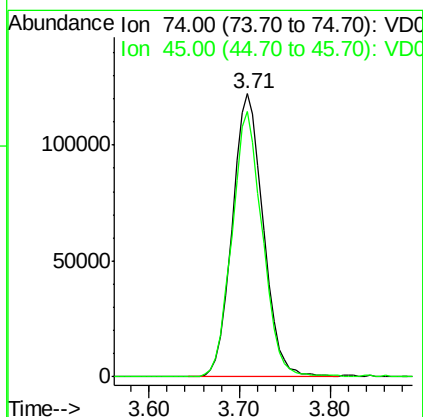
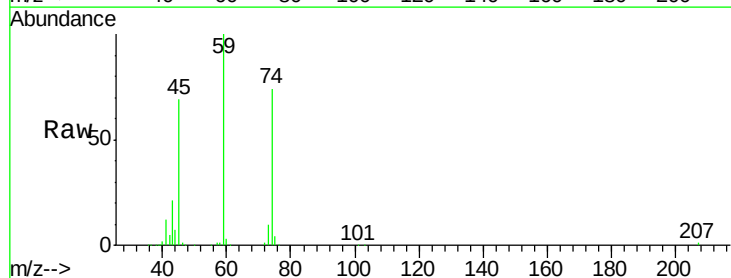
MMDadoda
9/23/2020 1:05:03 PM

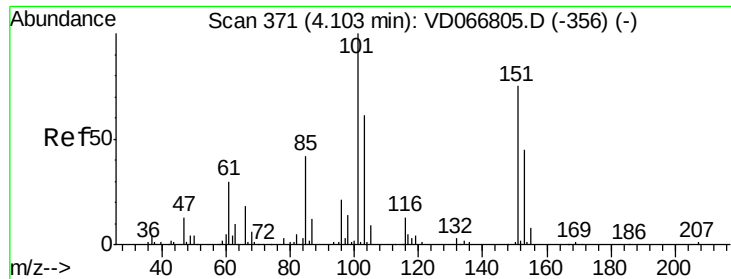


#8

Diethyl Ether
Concen: 137.055 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD066807.D
Acq: 22 Sep 2020 13:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.0	46.0	138.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 127.739 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD066807.D

Acq: 22 Sep 2020 13:05

Instrument :

MSVOA_D

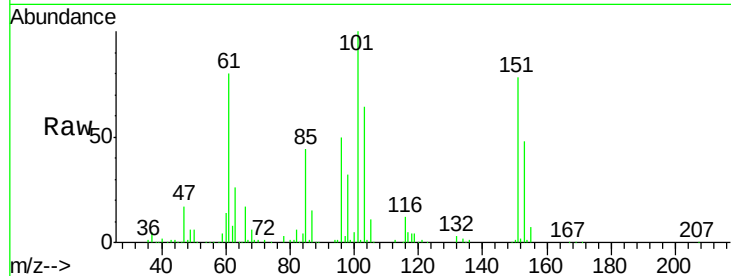
ClientSampleId :

VSTDIC150

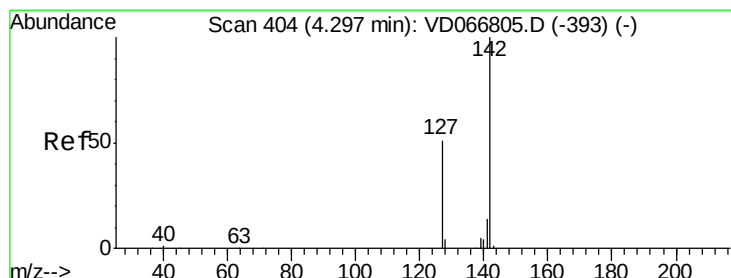
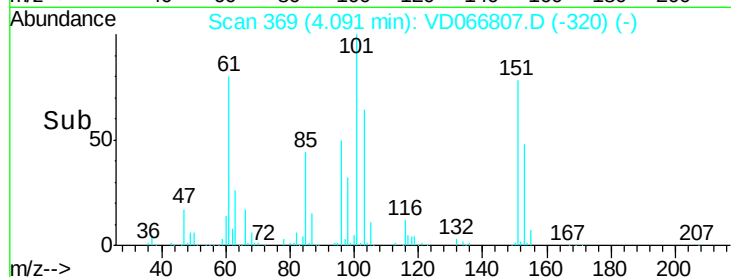
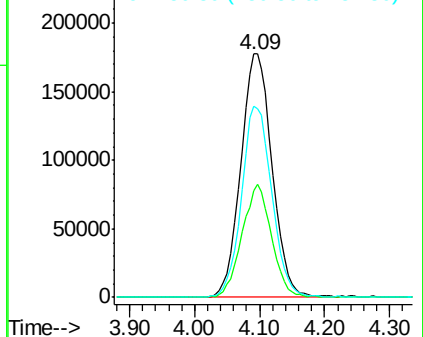
Tot Ion:	101	Resp:	591571
Ion Ratio	Lower	Upper	
101	100		
85	43.8	35.4	53.2
151	76.0	61.4	92.0

Manual Integrations
APPROVED

MMDadoda
9/23/2020 1:05:03 PM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 158.178 ug/l

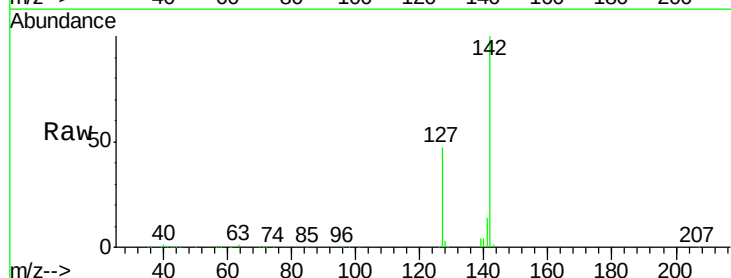
RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

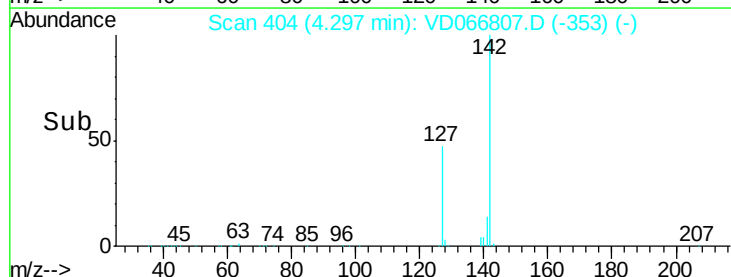
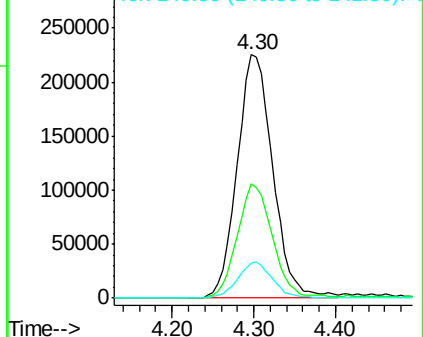
Lab File: VD066807.D

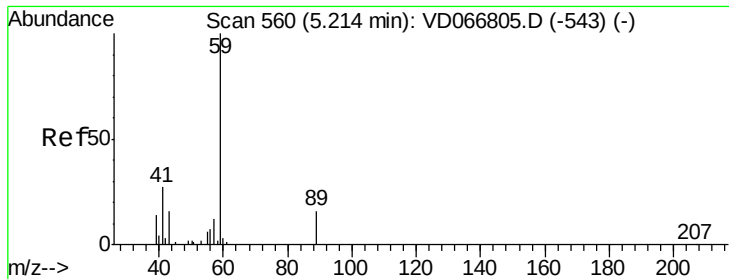
Acq: 22 Sep 2020 13:05

Tgt Ion:	142	Resp:	684626
Ion Ratio	Lower	Upper	
142	100		
127	46.6	39.4	59.0
141	14.4	12.1	18.1



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

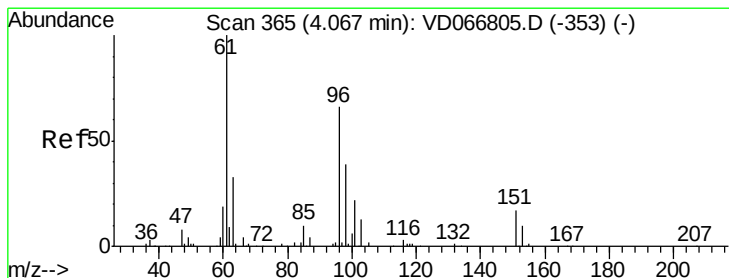
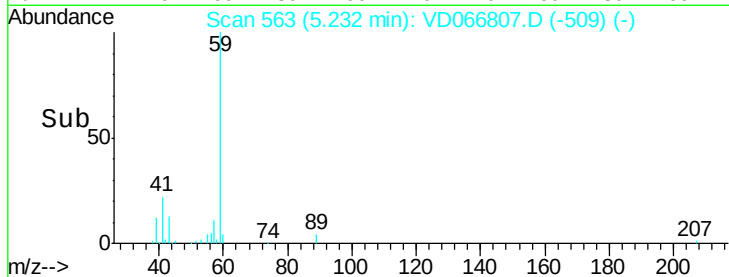
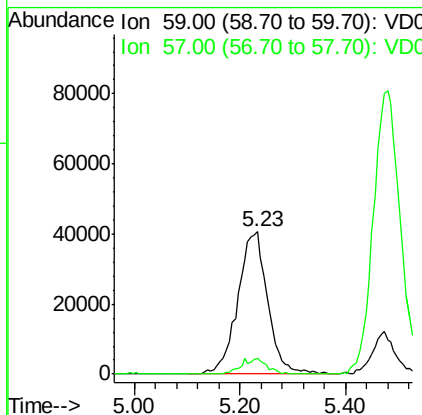
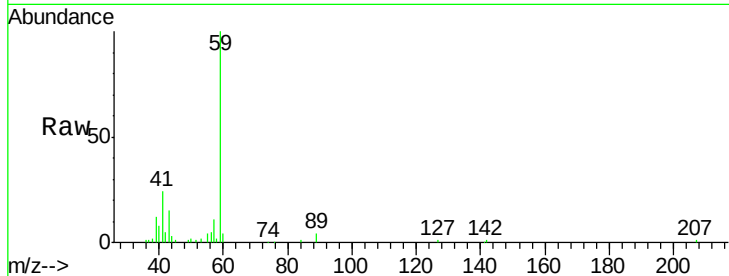
Tert butyl alcohol
 Concen: 349.425 ug/l
 RT: 5.23 min Scan# 563
 Delta R.T. 0.02 min
 Lab File: VD066807.D
 Acq: 22 Sep 2020 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	159884		
57	57	4.7		8.3	12.5#

Manual Integrations
 APPROVED

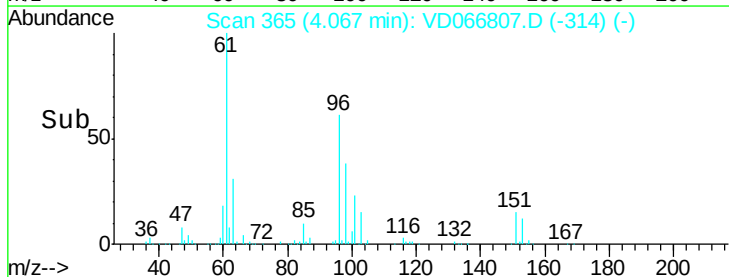
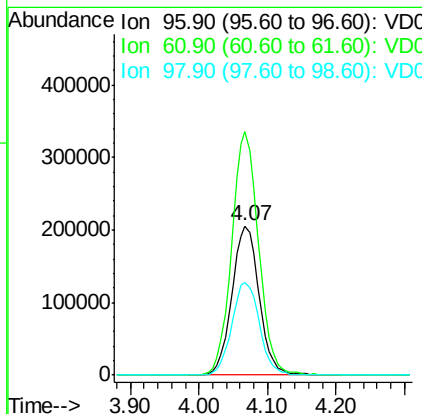
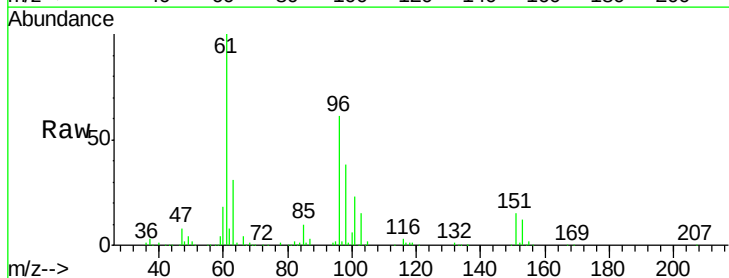
MMDadoda
 9/23/2020 1:05:03 PM

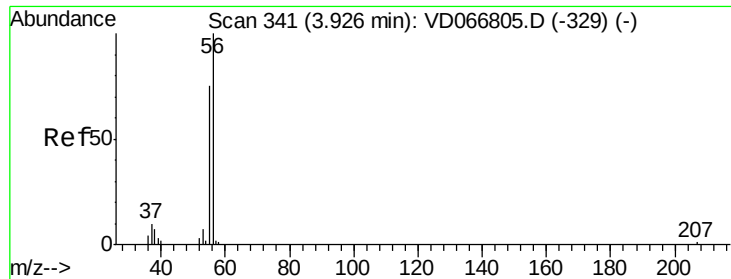


#12

1,1-Dichloroethene
 Concen: 131.262 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD066807.D
 Acq: 22 Sep 2020 13:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	563820		
61	61	163.5		120.8	181.2
98	98	61.8		47.7	71.5





#13

Acrolein

Concen: 654.666 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD066807.D

Acq: 22 Sep 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 210549

Ion Ratio Lower Upper

56 100

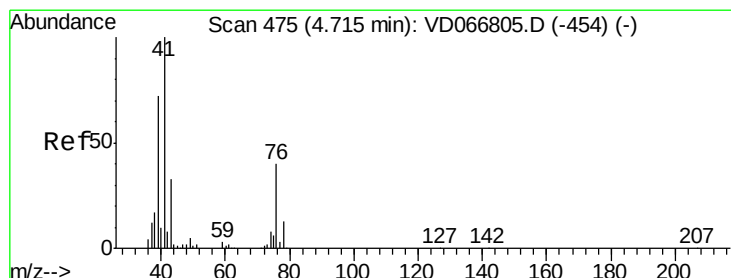
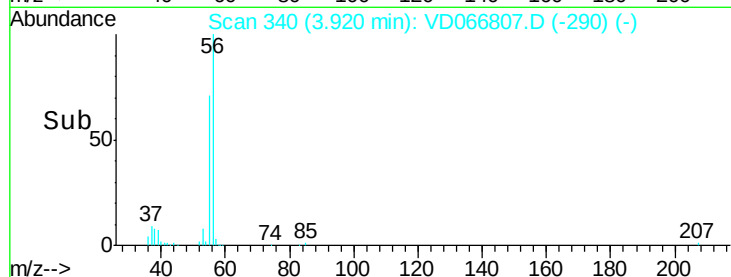
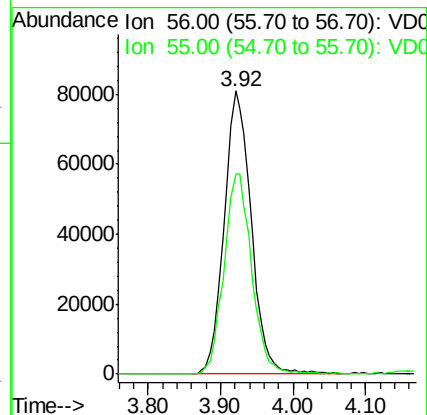
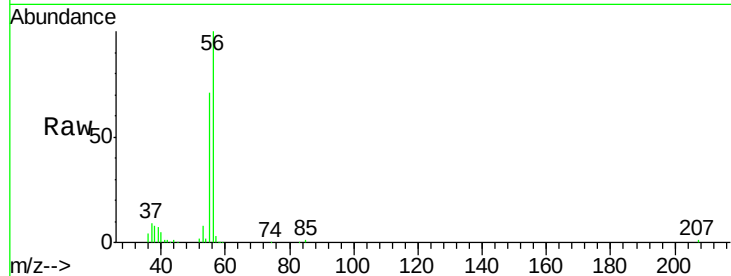
55 71.6 60.3 90.5

Manual Integrations

APPROVED

MMDadoda

9/23/2020 1:05:03 PM



#14

Allyl chloride

Concen: 131.946 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066807.D

Acq: 22 Sep 2020 13:05

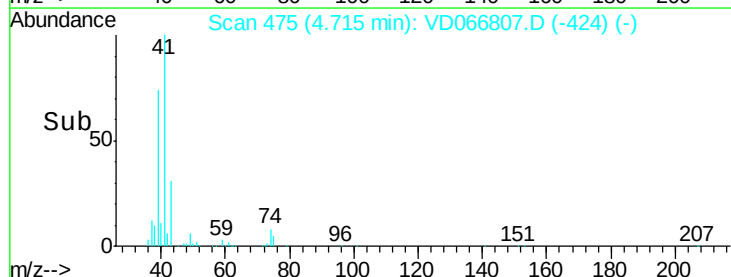
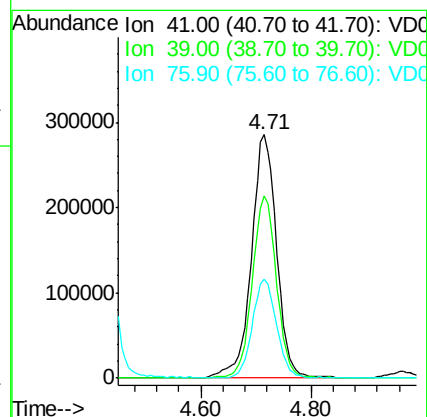
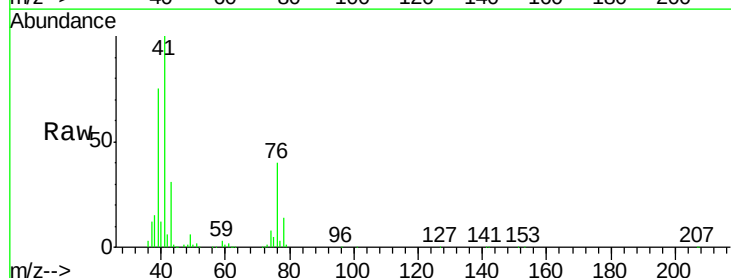
Tgt Ion: 41 Resp: 897177

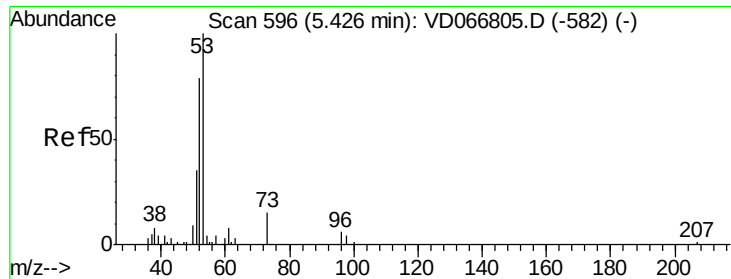
Ion Ratio Lower Upper

41 100

39 71.9 57.8 86.8

76 38.4 30.9 46.3





#15

Acrylonitrile

Concen: 659.668 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD066807.D

Acq: 22 Sep 2020 13:05

Instrument :

MSVOA_D

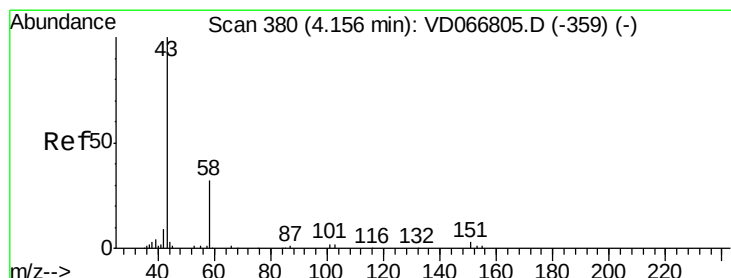
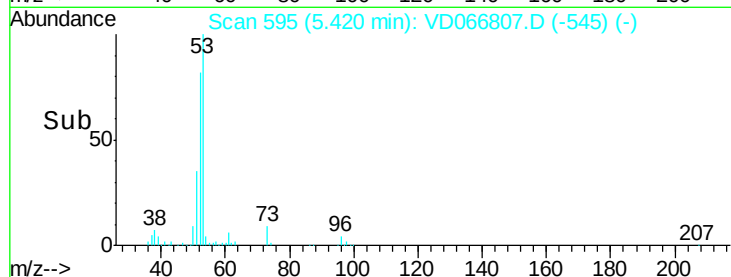
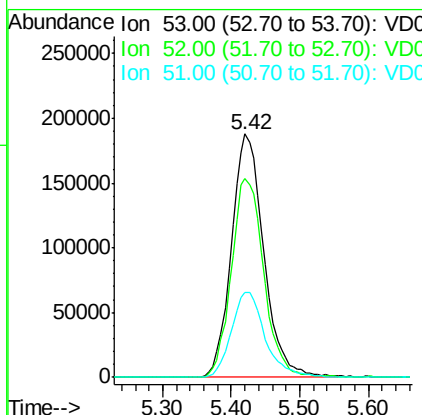
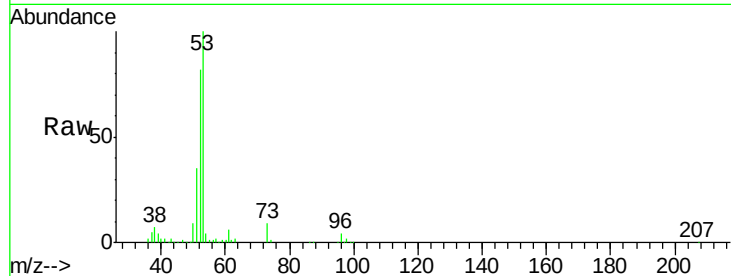
ClientSampleId :

VSTDIC150

Tot Ion	53	Resp	613796
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.2	97.8
51	36.8	30.6	46.0

Manual Integrations
APPROVED

MMDadoda
9/23/2020 1:05:03 PM



#16

Acetone

Concen: 620.900 ug/l

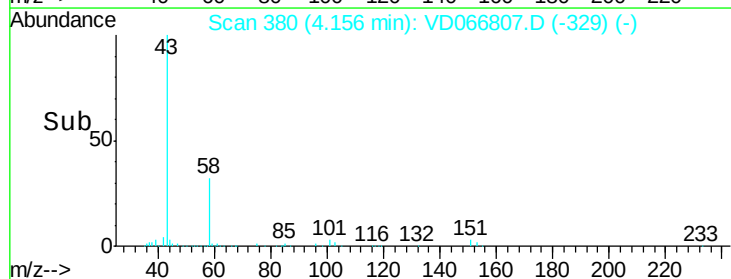
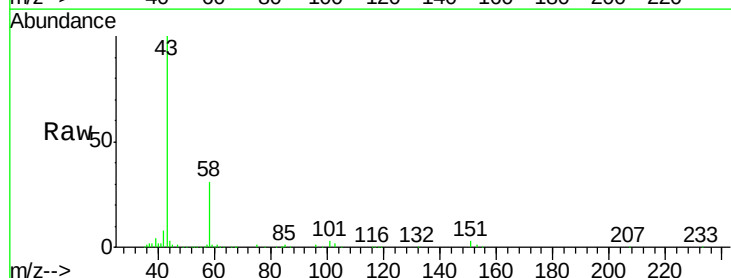
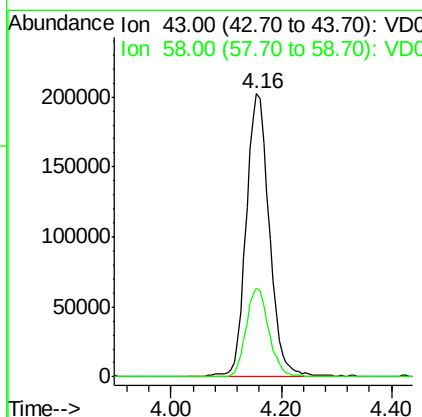
RT: 4.16 min Scan# 380

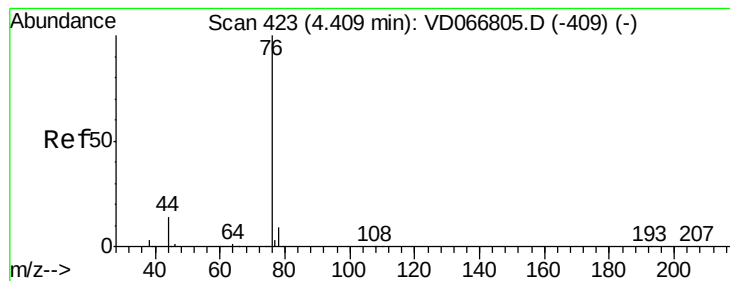
Delta R.T. 0.00 min

Lab File: VD066807.D

Acq: 22 Sep 2020 13:05

Tgt Ion	43	Resp	585557
Ion	Ratio	Lower	Upper
43	100		
58	31.2	25.6	38.4





#17

Carbon Disulfide

Concen: 128.099 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD066807.D

Acq: 22 Sep 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 1715365

Ion Ratio Lower Upper

76 100

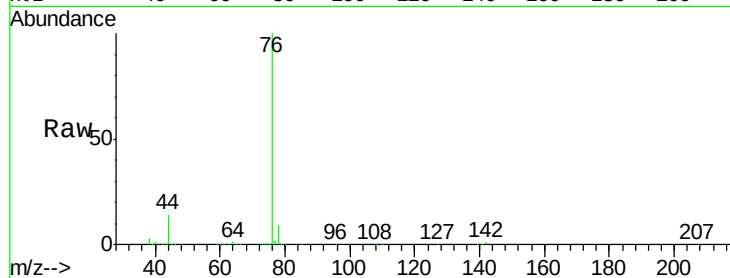
78 9.0 7.6 11.4

Manual Integrations

APPROVED

MMDadoda

9/23/2020 1:05:03 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.41

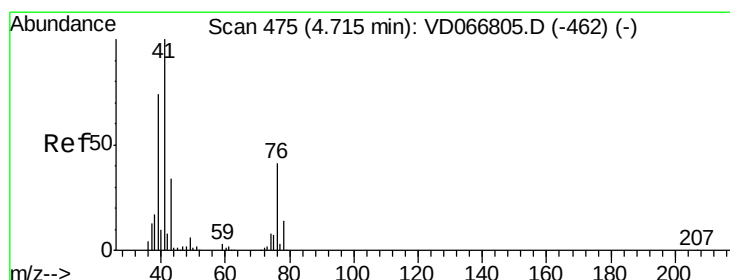
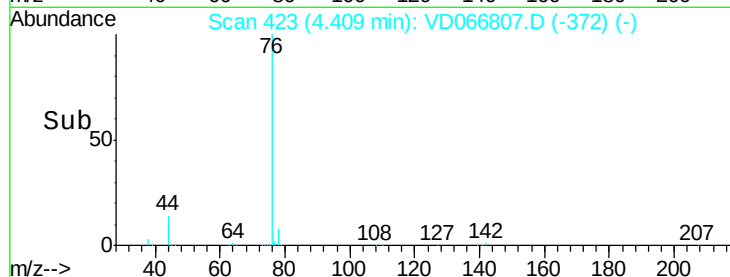
600000

400000

200000

0

Time-->



#18

Methyl Acetate

Concen: 122.398 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066807.D

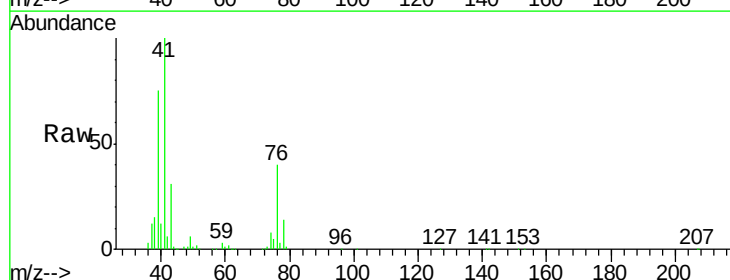
Acq: 22 Sep 2020 13:05

Tgt Ion: 43 Resp: 276528

Ion Ratio Lower Upper

43 100

74 26.8 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.71

100000

80000

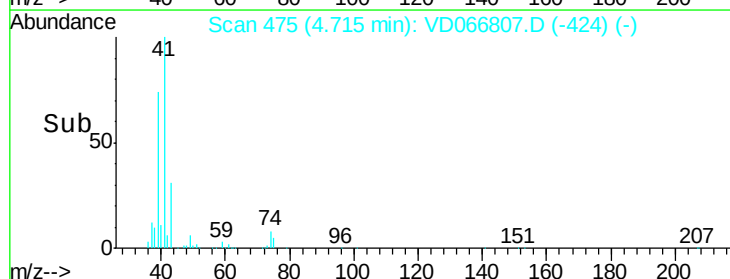
60000

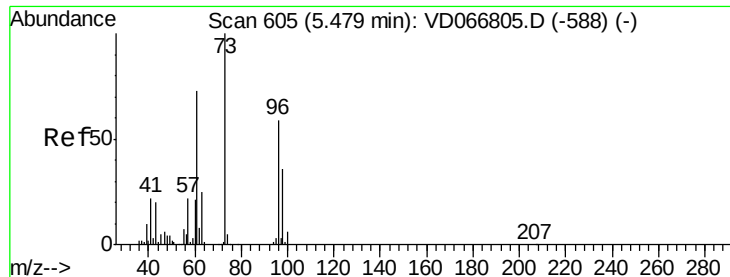
40000

20000

0

Time-->





#19

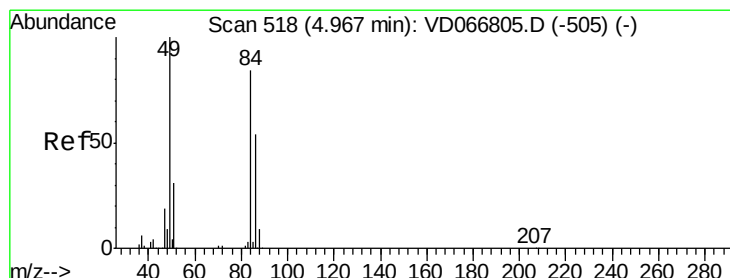
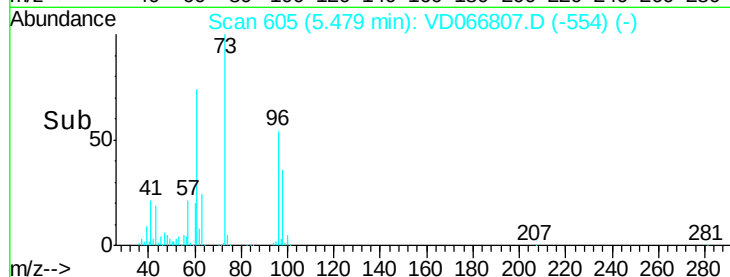
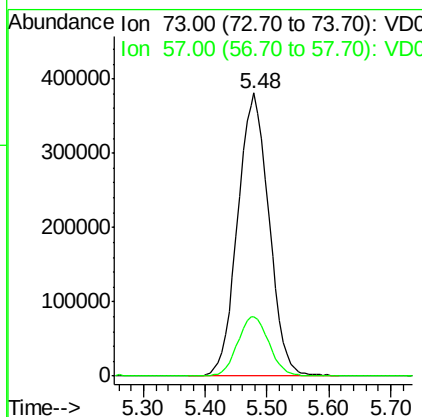
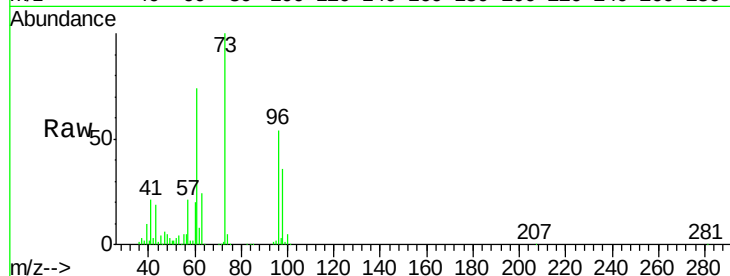
Methyl tert-butyl Ether
 Concen: 140.939 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VD066807.D
 Acq: 22 Sep 2020 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion: 73 Resp: 1344577
 Ion Ratio Lower Upper
 73 100
 57 21.2 17.4 26.2

Manual Integrations
 APPROVED

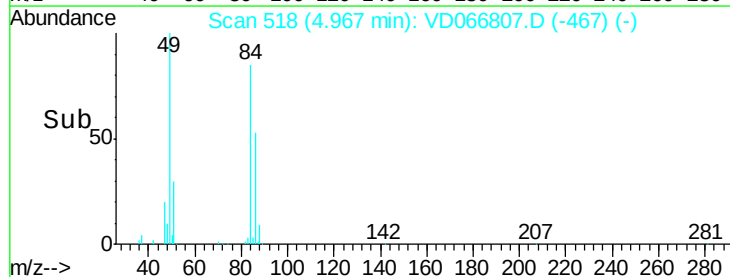
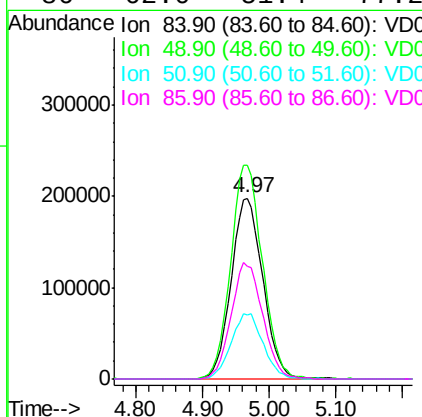
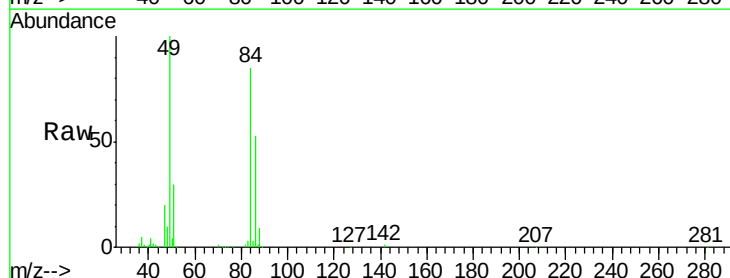
MMDadoda
 9/23/2020 1:05:03 PM

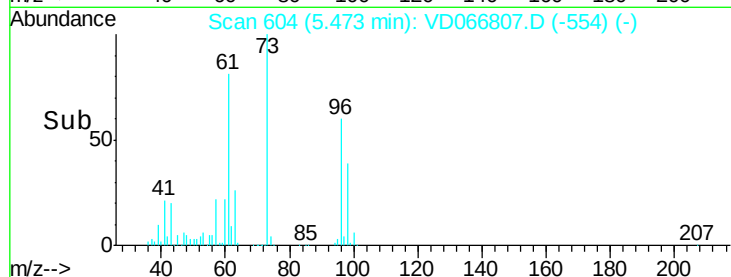
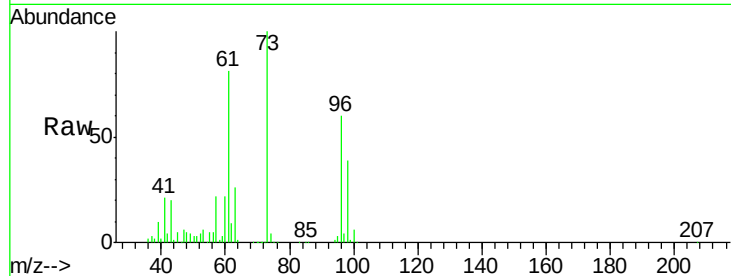
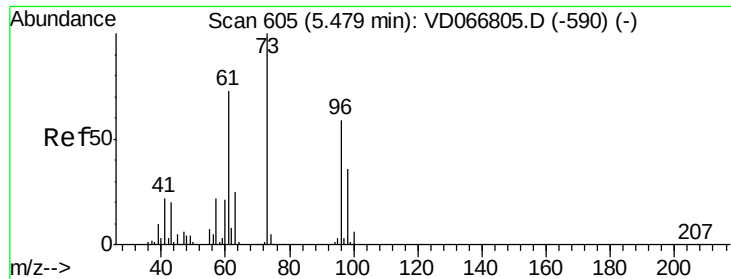


#20

Methylene Chloride
 Concen: 103.578 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: VD066807.D
 Acq: 22 Sep 2020 13:05

Tgt Ion: 84 Resp: 652664
 Ion Ratio Lower Upper
 84 100
 49 118.0 95.4 143.2
 51 35.6 29.7 44.5
 86 62.0 51.4 77.2





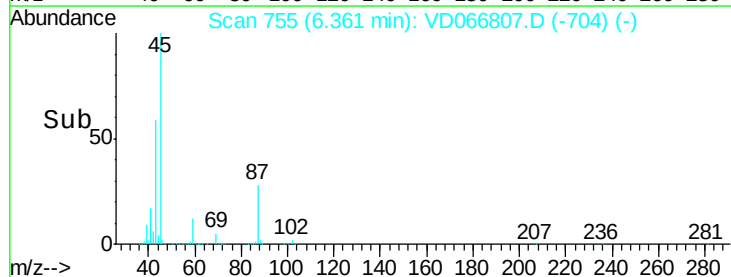
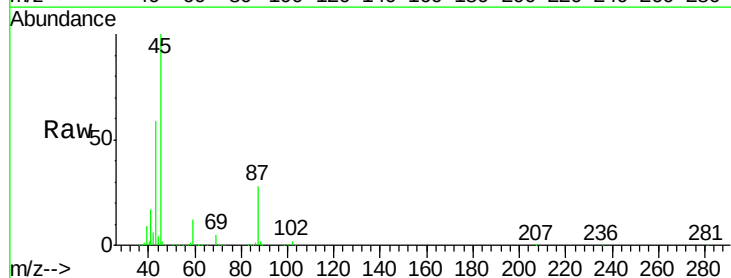
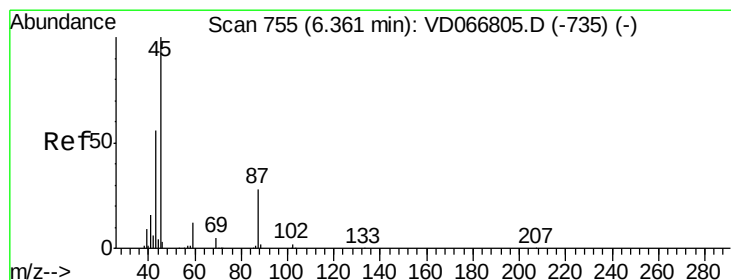
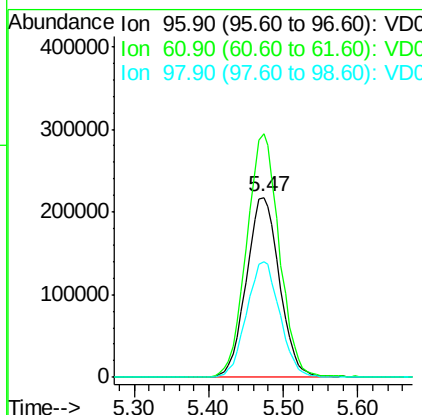
#21
trans-1,2-Dichloroethene
Concen: 134.789 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD066807.D
Acq: 22 Sep 2020 13:05

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.3	98.9	148.3
98	64.4	48.4	72.6

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

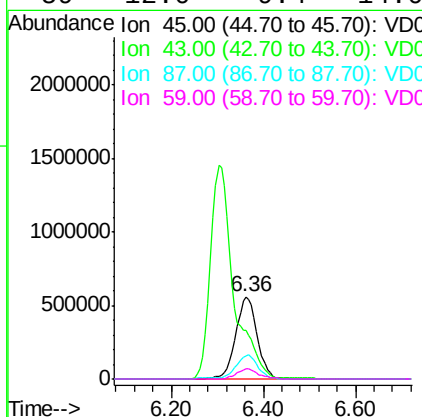
Manual Integrations
APPROVED

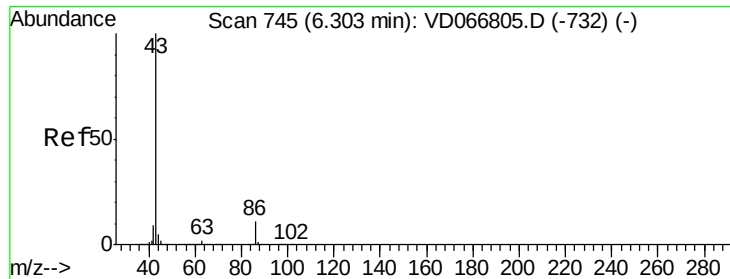
MMDadoda
9/23/2020 1:05:03 PM



#22
Diisopropyl ether
Concen: 131.195 ug/l
RT: 6.36 min Scan# 755
Delta R.T. 0.00 min
Lab File: VD066807.D
Acq: 22 Sep 2020 13:05

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.8	44.5	66.7
87	28.3	22.9	34.3
59	12.0	9.4	14.0





#23

Vinyl Acetate

Concen: 665.921 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066807.D

Acq: 22 Sep 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 5078079

Ion Ratio Lower Upper

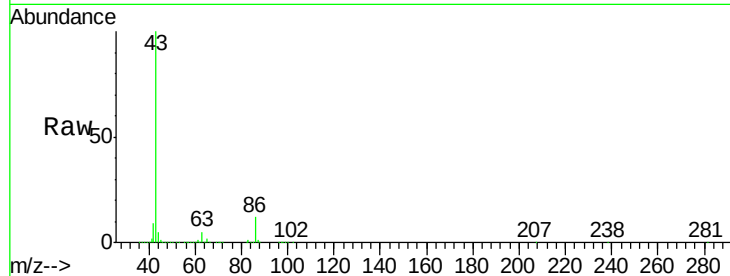
43 100

86 11.6 8.9 13.3

Manual Integrations
APPROVED

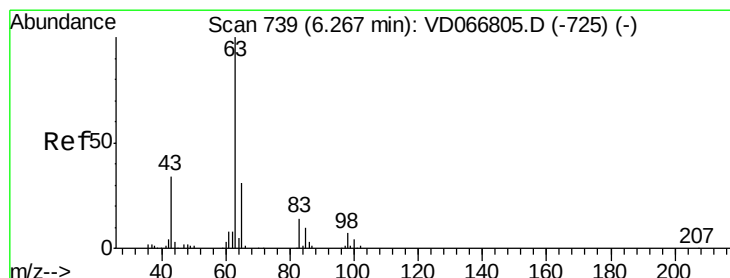
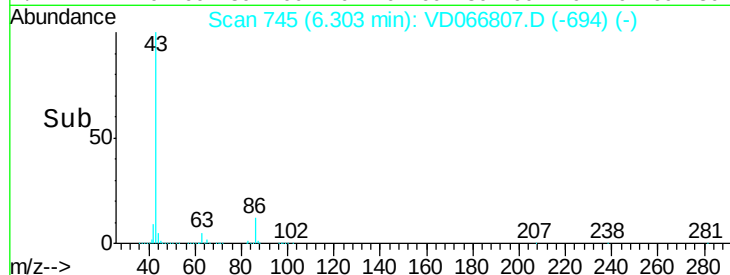
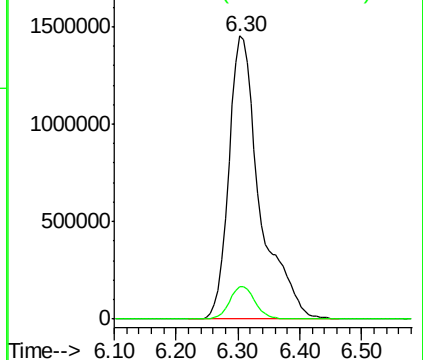
MMDadoda

9/23/2020 1:05:03 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 129.016 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD066807.D

Acq: 22 Sep 2020 13:05

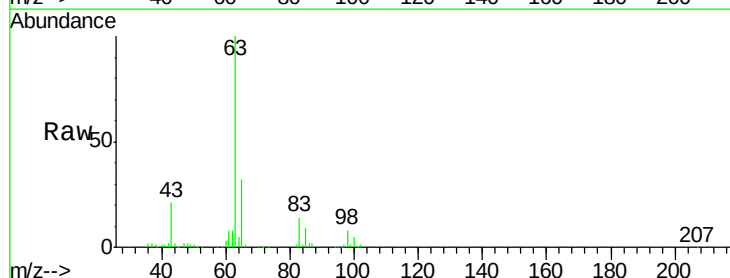
Tgt Ion: 63 Resp: 1142977

Ion Ratio Lower Upper

63 100

98 7.9 3.7 11.1

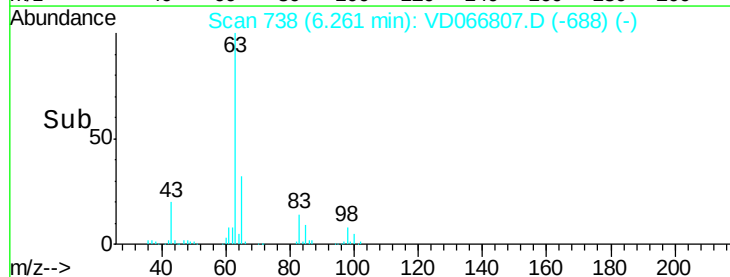
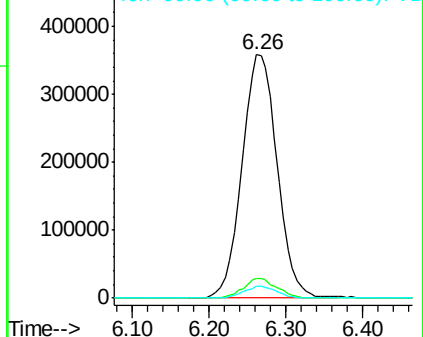
100 5.0 1.8 5.5

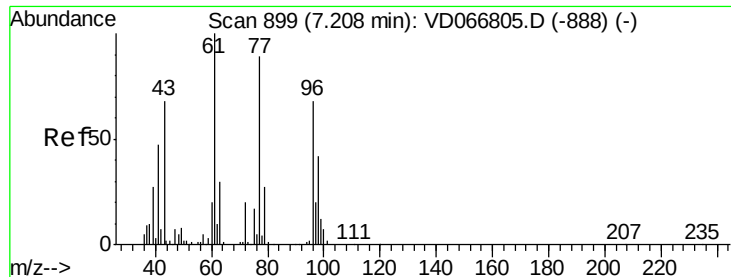


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 605.071 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066807.D

Acq: 22 Sep 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 726365

Ion Ratio Lower Upper

43 100

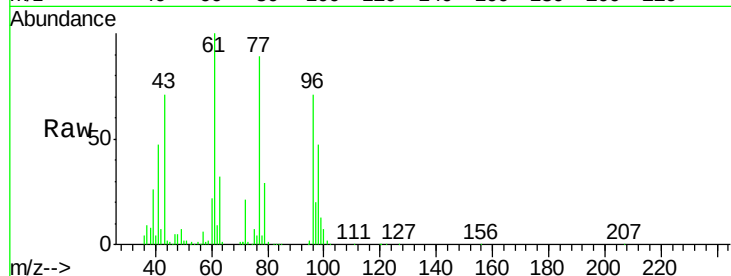
72 28.8 22.9 34.3

Manual Integrations

APPROVED

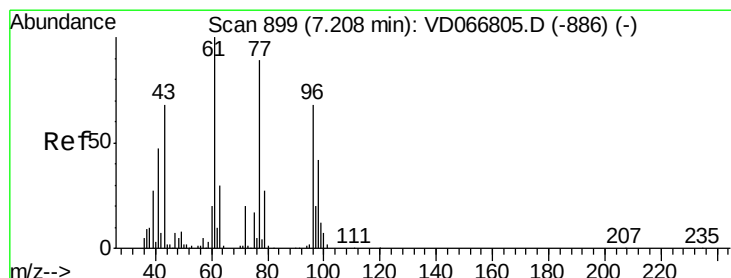
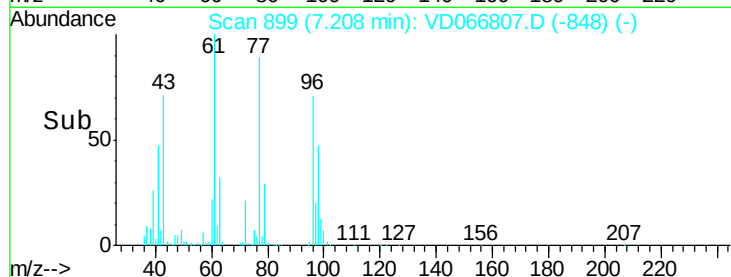
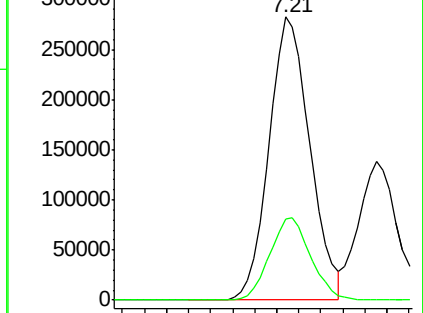
MMDadoda

9/23/2020 1:05:03 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 125.620 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066807.D

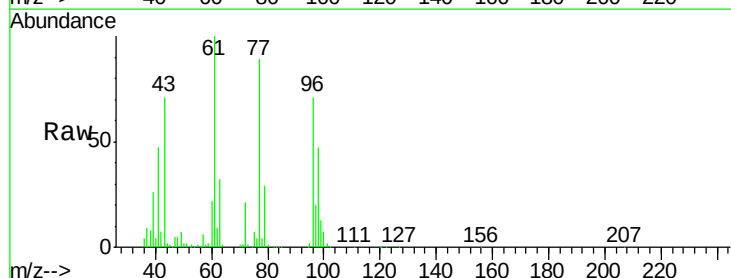
Acq: 22 Sep 2020 13:05

Tgt Ion: 77 Resp: 1025443

Ion Ratio Lower Upper

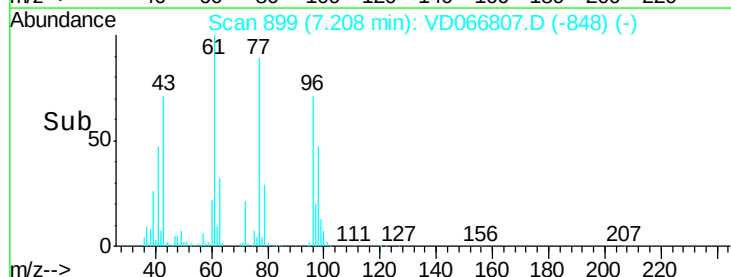
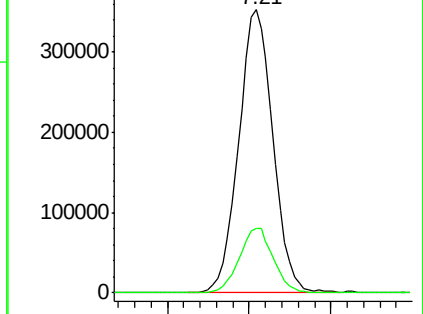
77 100

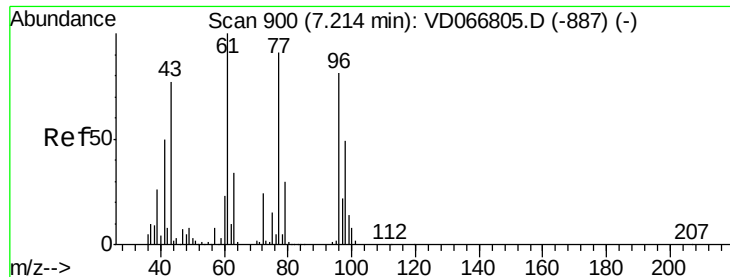
97 22.6 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

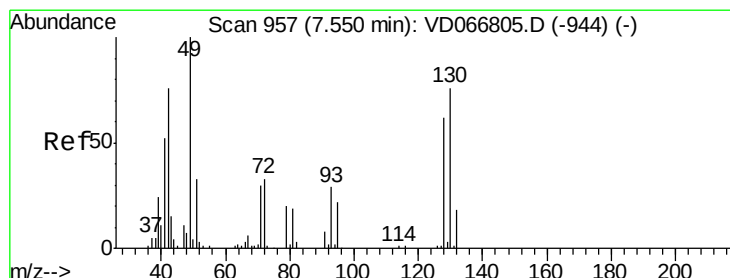
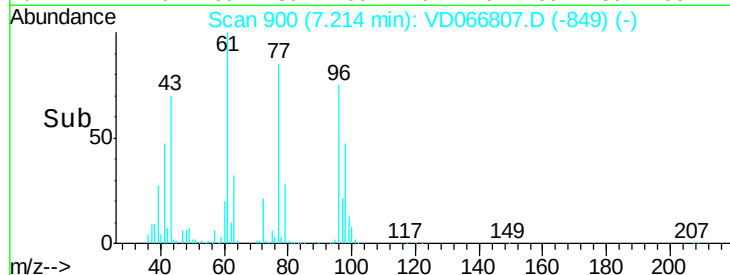
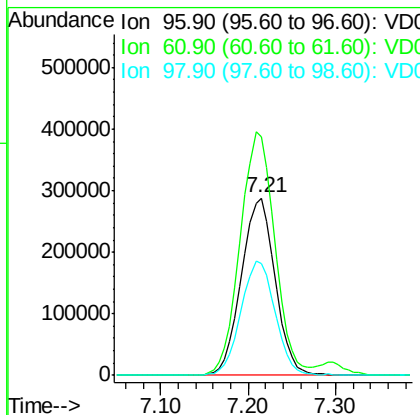
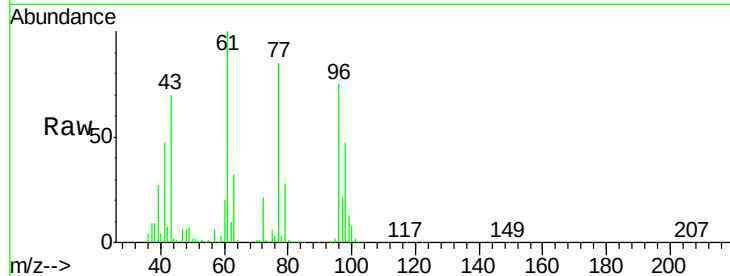
cis-1,2-Dichloroethene
Concen: 138.498 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD066807.D
Acq: 22 Sep 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.8	0.0	283.8
98	65.0	0.0	128.4

Manual Integrations
APPROVED

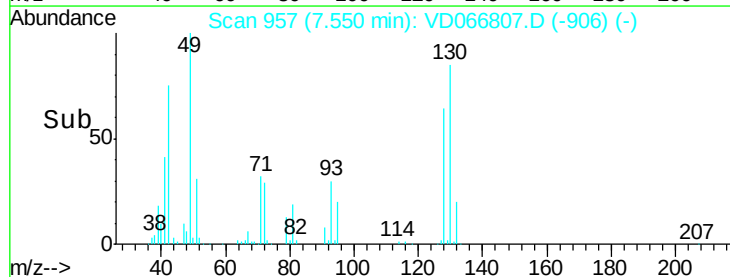
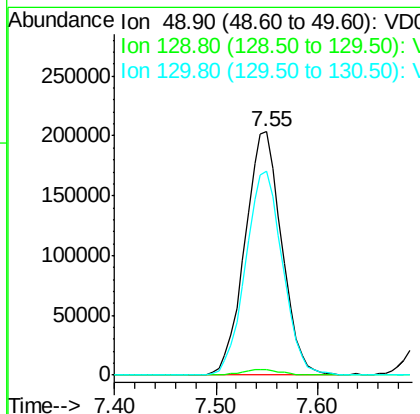
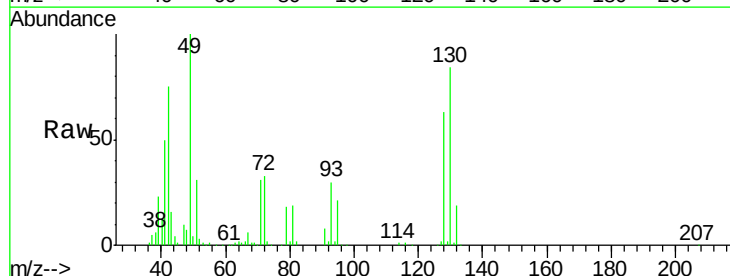
MMDadoda
9/23/2020 1:05:03 PM

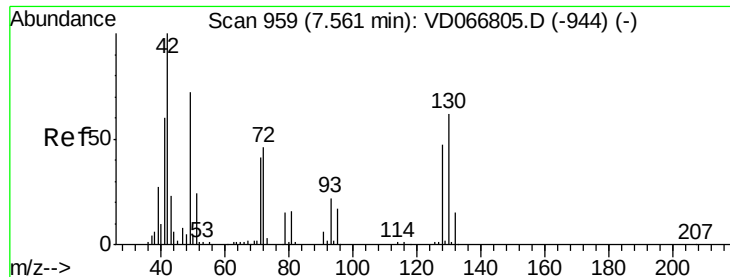


#28

Bromochloromethane
Concen: 150.386 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD066807.D
Acq: 22 Sep 2020 13:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	2.0#
130	84.5	65.9	98.9





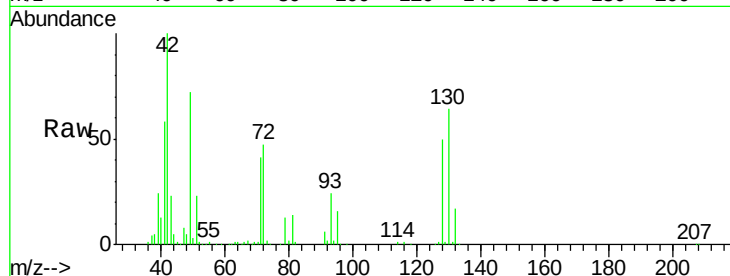
#29
Tetrahydrofuran
Concen: 658.328 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD066807.D
Acq: 22 Sep 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.7	36.2	54.4
71	42.0	32.4	48.6

Manual Integrations
APPROVED

MMDadoda
9/23/2020 1:05:03 PM

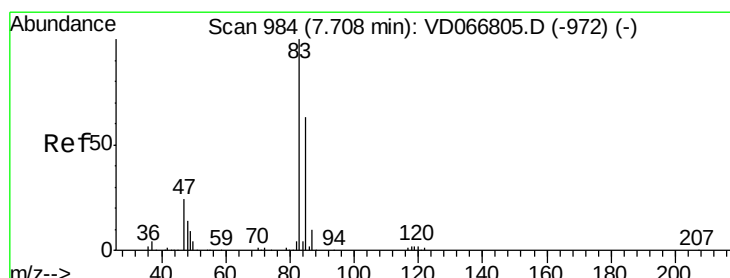
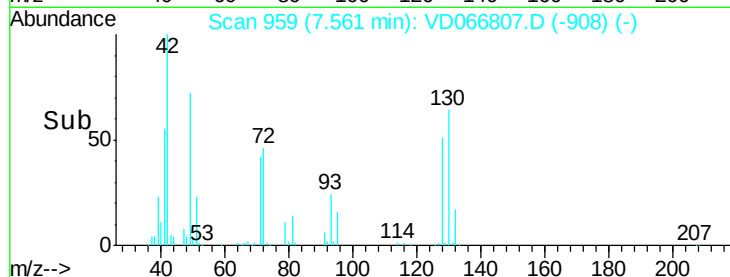
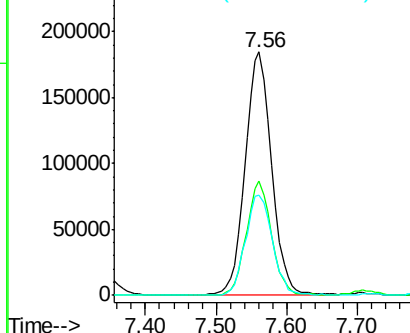


Abundance

Ion 42.00 (41.70 to 42.70): VDC

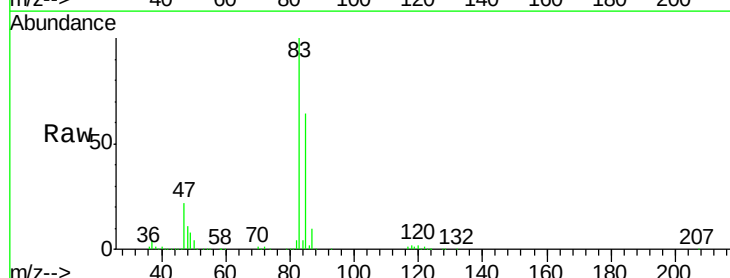
Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30
Chloroform
Concen: 131.745 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD066807.D
Acq: 22 Sep 2020 13:05

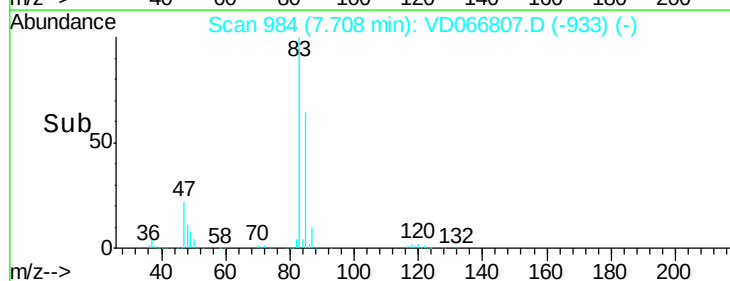
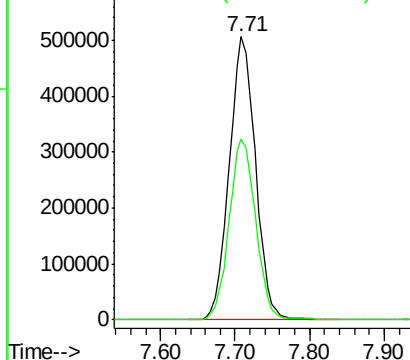
Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.6	75.8

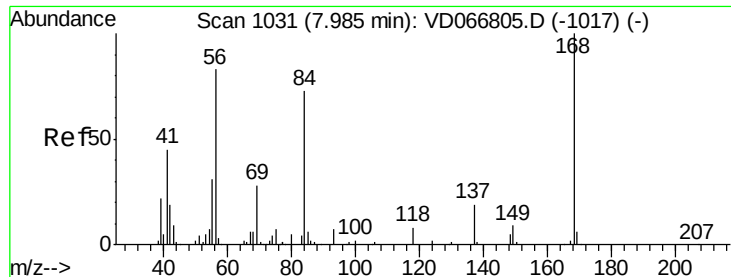


Abundance

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC





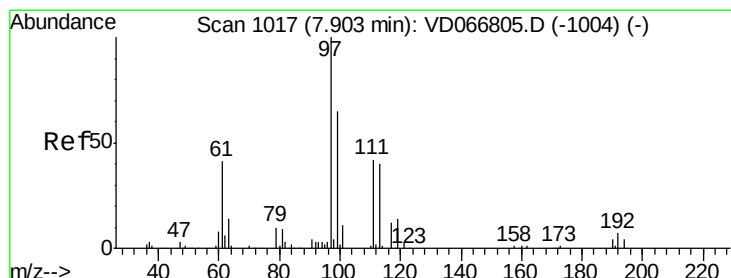
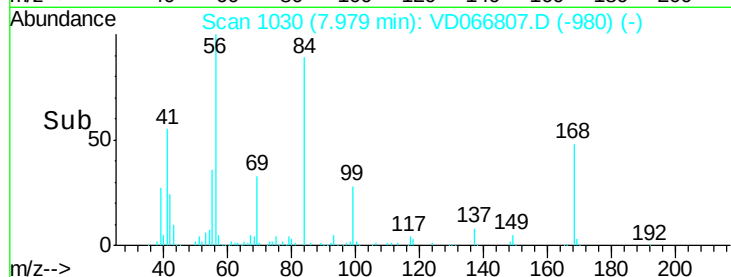
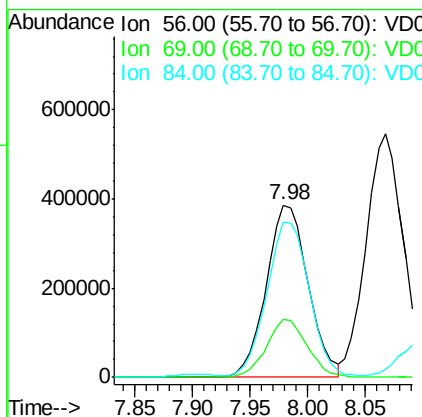
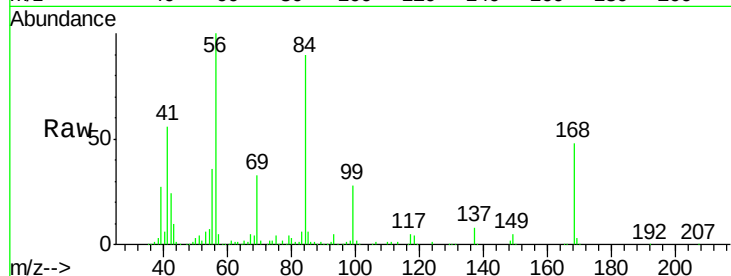
#31
Cyclohexane
Concen: 121.806 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066807.D
Acq: 22 Sep 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.4	27.0	40.4
84	88.3	70.2	105.4

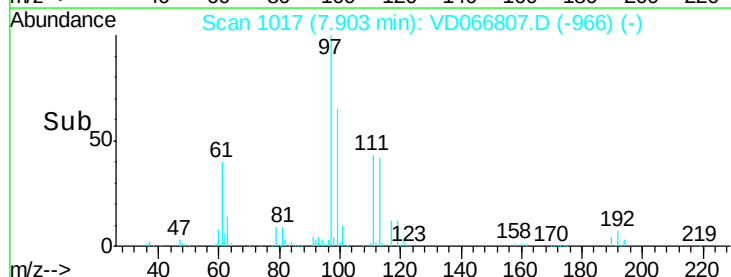
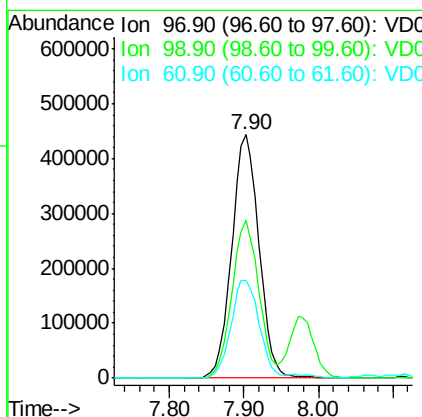
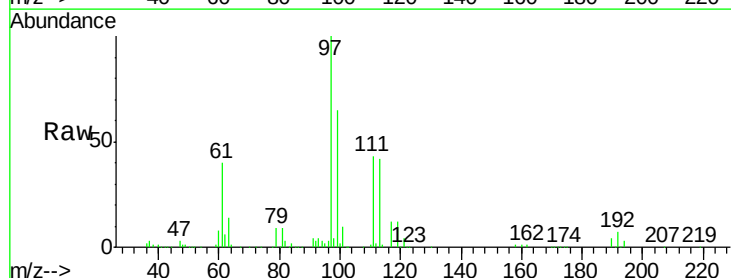
Manual Integrations
APPROVED

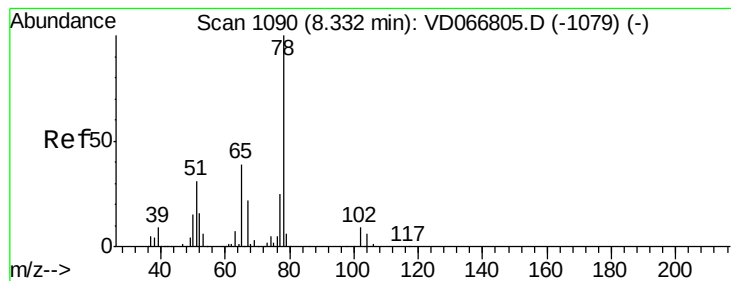
MMDadoda
9/23/2020 1:05:03 PM



#32
1,1,1-Trichloroethane
Concen: 130.756 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD066807.D
Acq: 22 Sep 2020 13:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.5	77.3
61	41.6	34.2	51.4





#33

1,2-Dichloroethane-d4

Concen: 123.861 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD066807.D

Acq: 22 Sep 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 558101

Ion Ratio Lower Upper

65 100

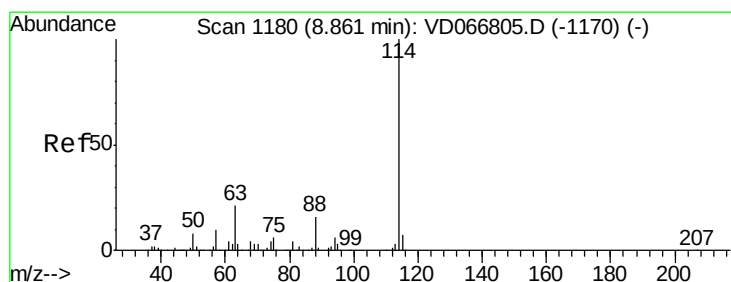
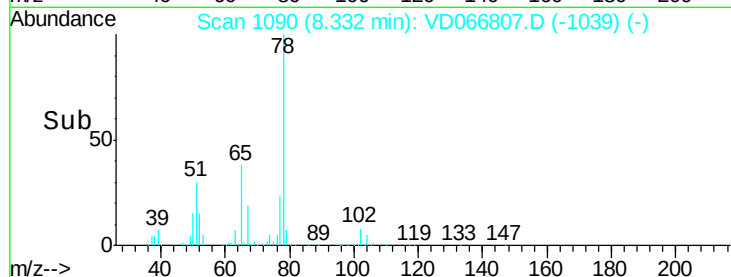
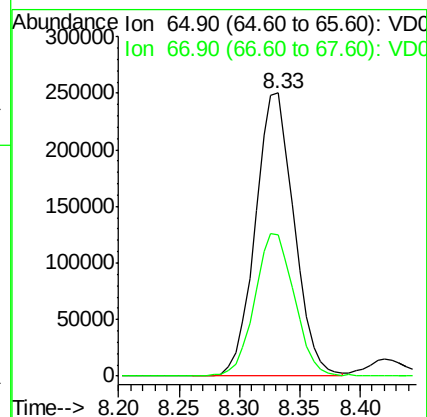
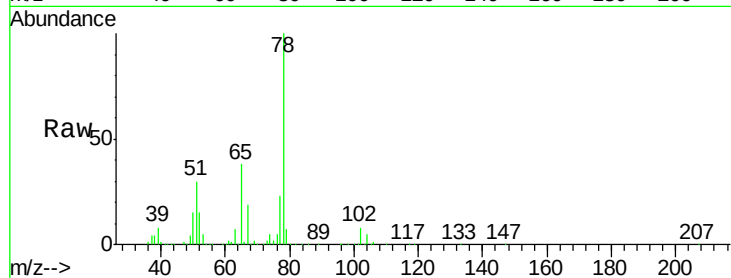
67 51.8 0.0 107.2

Manual Integrations

APPROVED

MMDadoda

9/23/2020 1:05:03 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066807.D

Acq: 22 Sep 2020 13:05

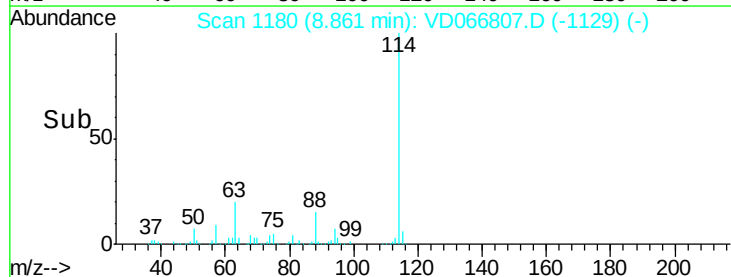
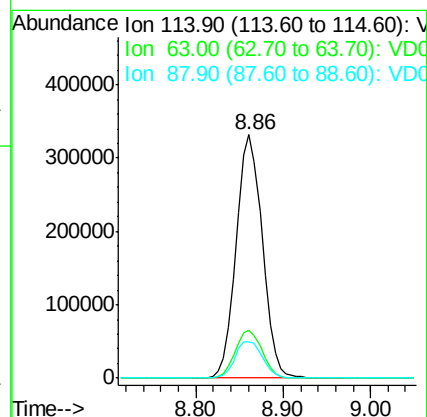
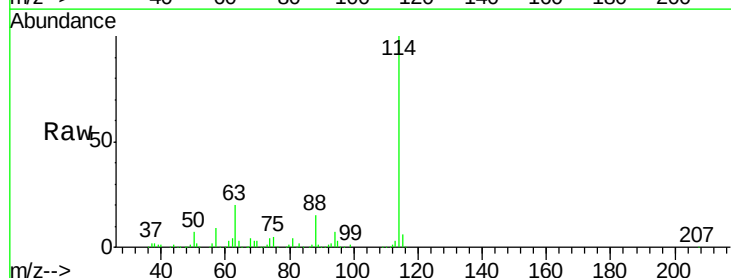
Tgt Ion: 114 Resp: 673298

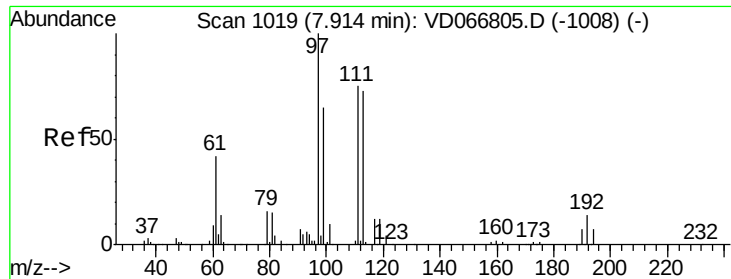
Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.6

88 14.9 0.0 32.6





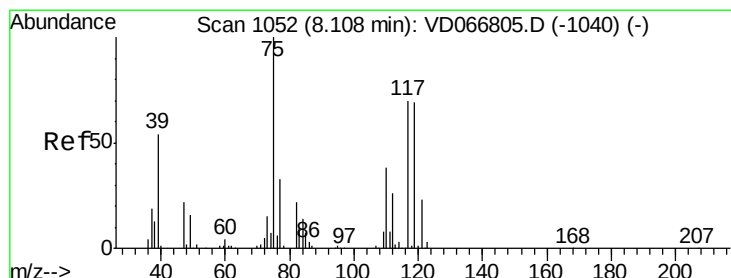
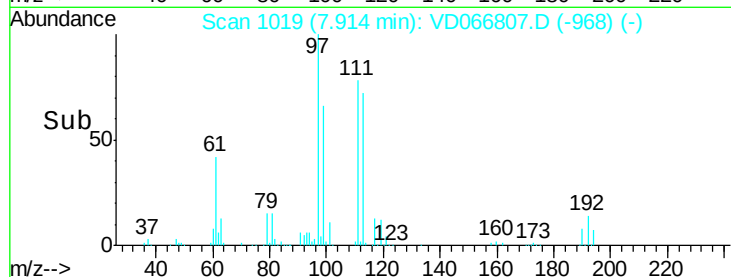
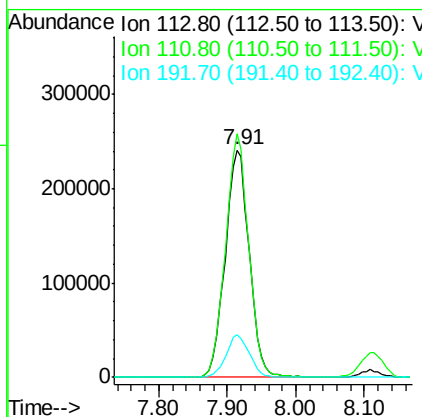
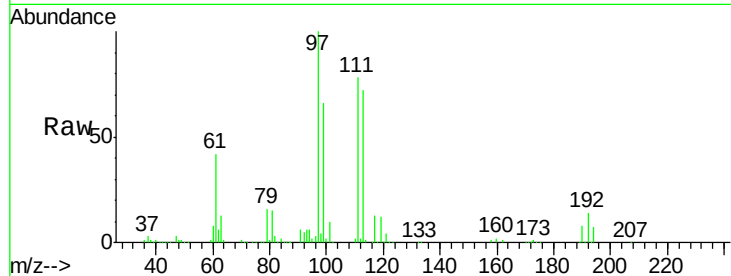
#35
 Dibromofluoromethane
 Concen: 141.249 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD066807.D
 Acq: 22 Sep 2020 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	585982		
111	103.5	81.8	122.8	
192	18.2	14.4	21.6	

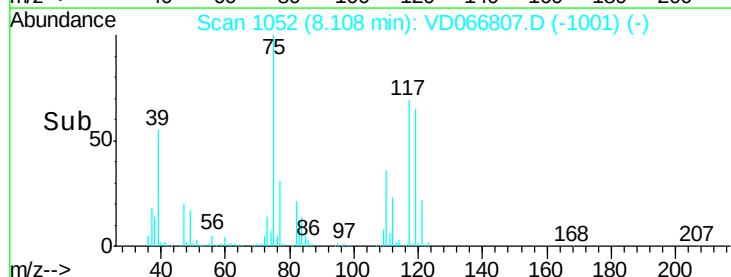
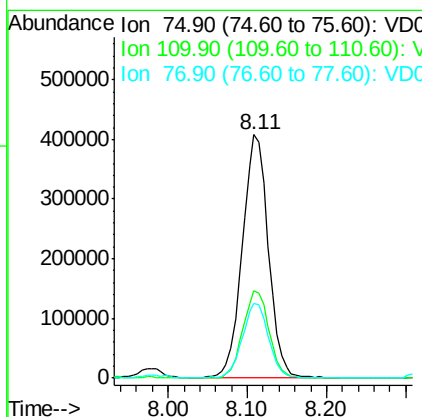
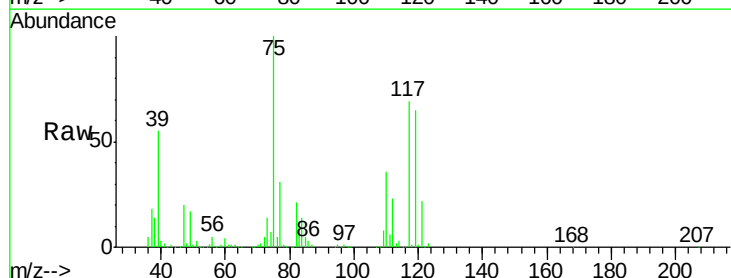
Manual Integrations
 APPROVED

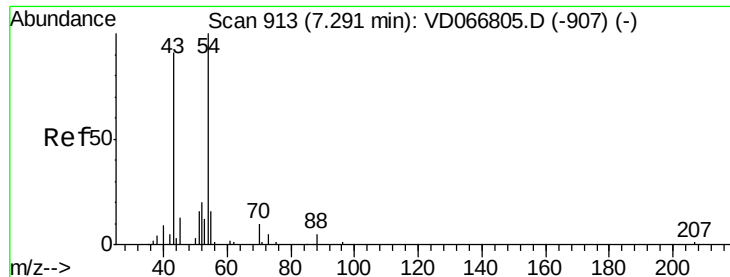
MMDadoda
 9/23/2020 1:05:03 PM



#36
 1,1-Dichloropropene
 Concen: 135.211 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066807.D
 Acq: 22 Sep 2020 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	932549		
110	36.0	17.9	53.8	
77	31.1	25.0	37.6	





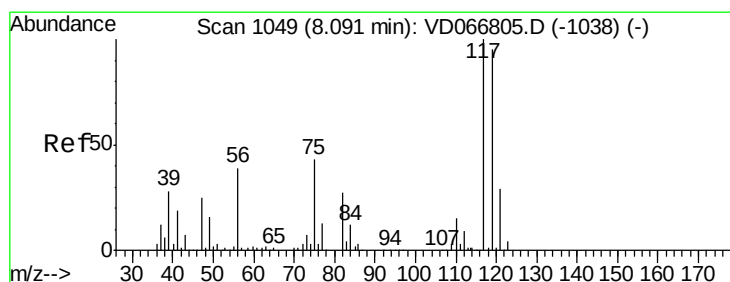
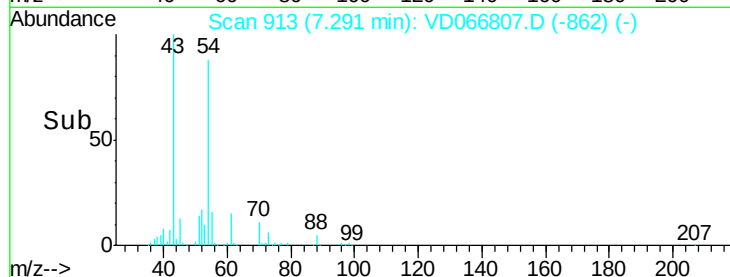
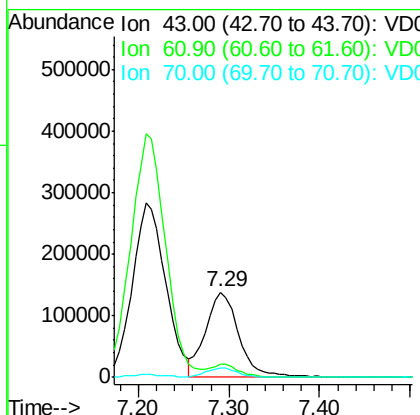
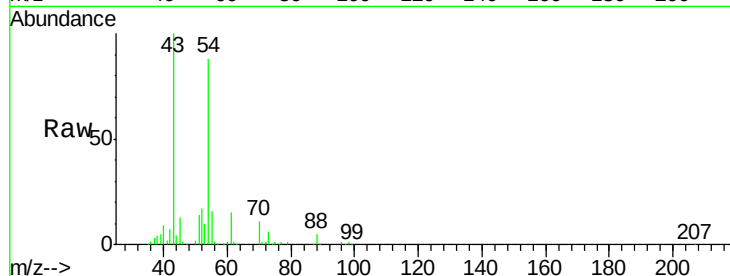
#37
Ethyl Acetate
Concen: 133.360 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD066807.D
Acq: 22 Sep 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	12.7	9.8	14.8	
70	10.9	8.5	12.7	

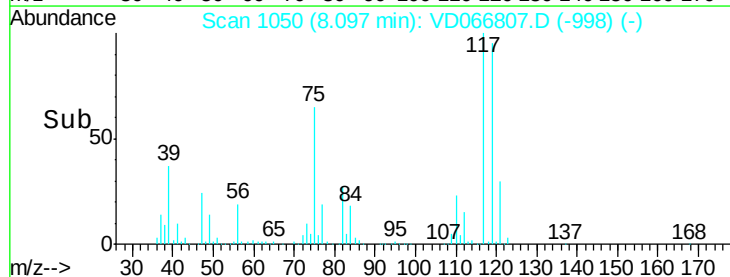
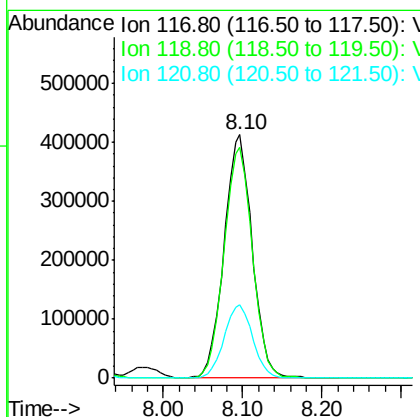
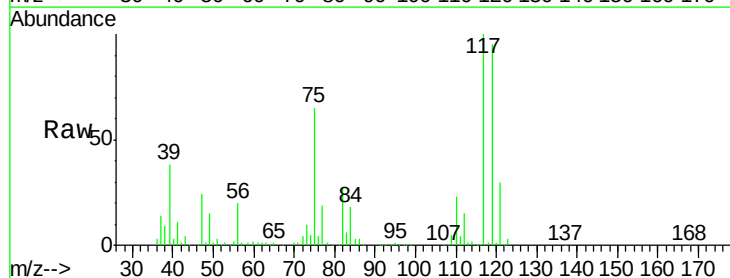
Manual Integrations
APPROVED

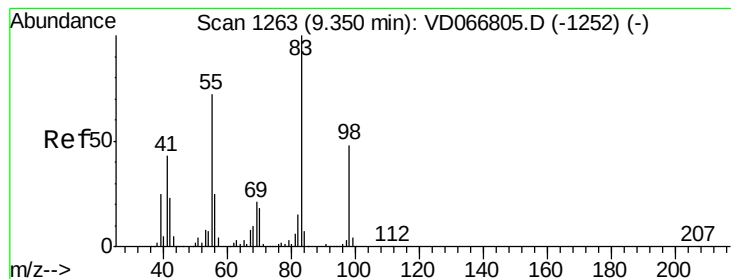
MMDadoda
9/23/2020 1:05:03 PM



#38
Carbon Tetrachloride
Concen: 136.949 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VD066807.D
Acq: 22 Sep 2020 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.6	75.8	113.8	
121	30.4	23.4	35.0	





#39

Methylvlcyclohexane

Concen: 142.453 ug/l

RT: 9.35 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VD066807.D

Acq: 22 Sep 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1123523

Ion Ratio Lower Upper

83 100

55 71.9 57.7 86.5

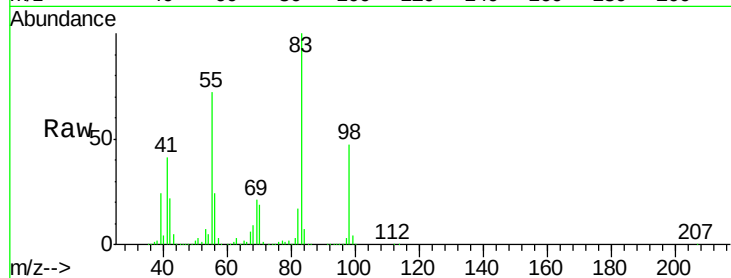
98 47.3 38.4 57.6

Manual Integrations

APPROVED

MMDadoda

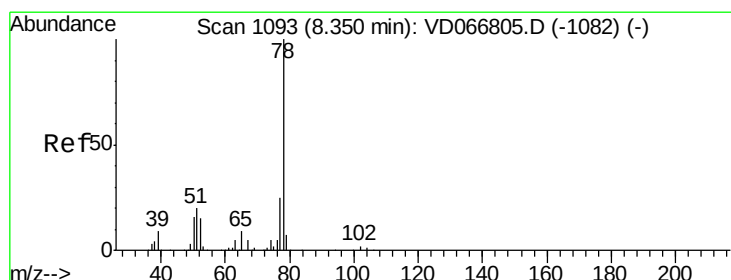
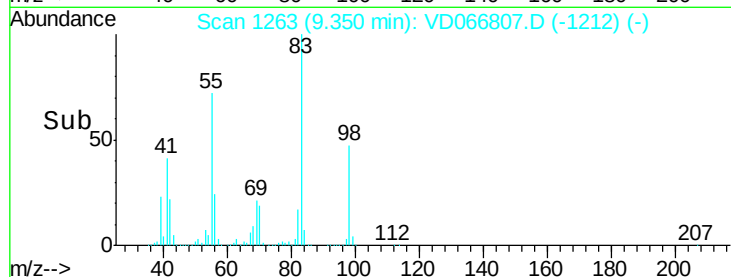
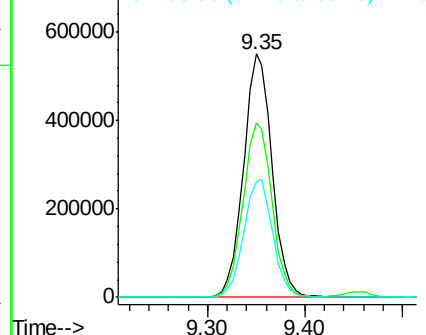
9/23/2020 1:05:03 PM



Abundance Ion 83.00 (82.70 to 83.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.00 (97.70 to 98.70): VDC



#40

Benzene

Concen: 140.210 ug/l

RT: 8.35 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VD066807.D

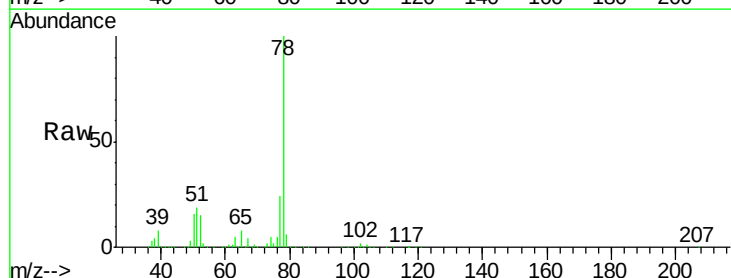
Acq: 22 Sep 2020 13:05

Tgt Ion: 78 Resp: 2629972

Ion Ratio Lower Upper

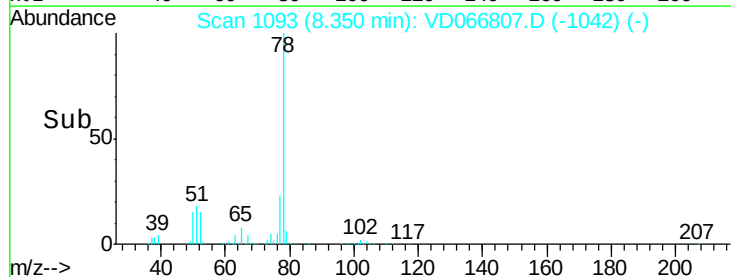
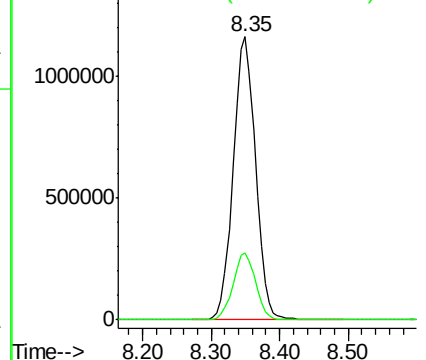
78 100

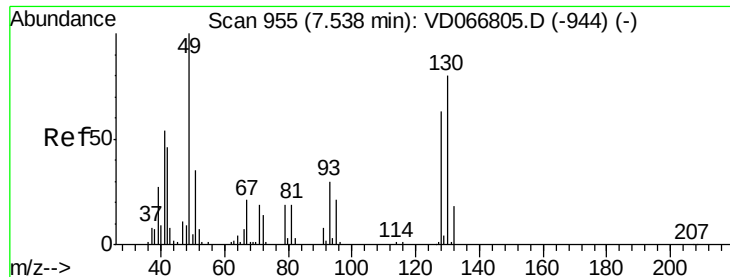
77 23.5 19.9 29.9



Abundance Ion 78.00 (77.70 to 78.70): VDC

Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 151.972 ug/l m

RT: 7.54 min Scan# 955

Delta R.T. 0.00 min

Lab File: VD066807.D

Acq: 22 Sep 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 41 Resp: 214205

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

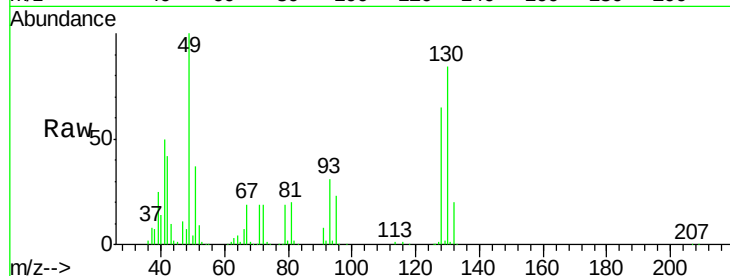
52 0.0 0.0 0.0

Manual Integrations

APPROVED

MMDadoda

9/23/2020 1:05:03 PM

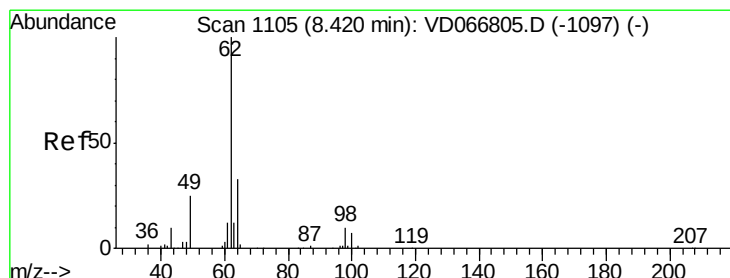
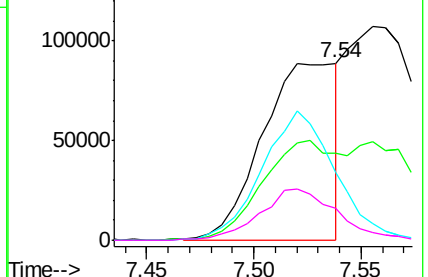
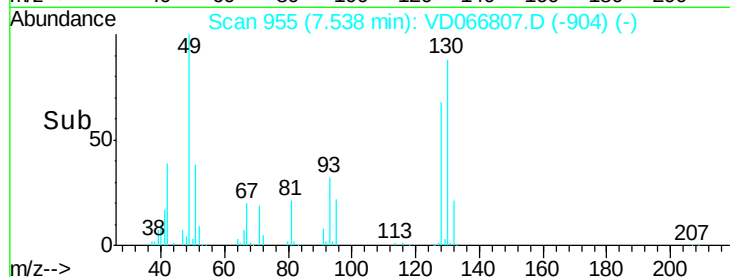


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 130.945 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VD066807.D

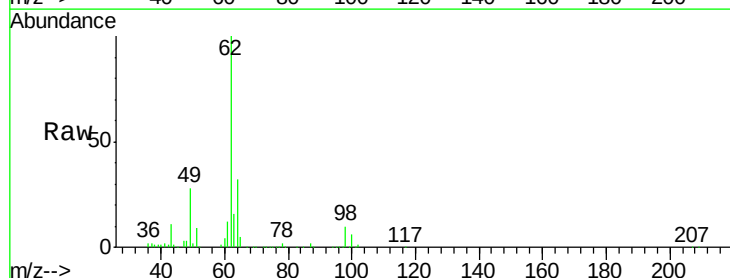
Acq: 22 Sep 2020 13:05

Tgt Ion: 62 Resp: 753652

Ion Ratio Lower Upper

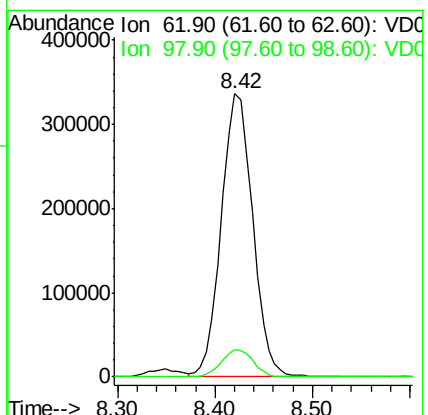
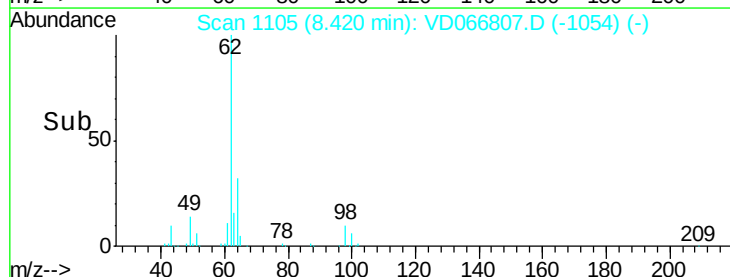
62 100

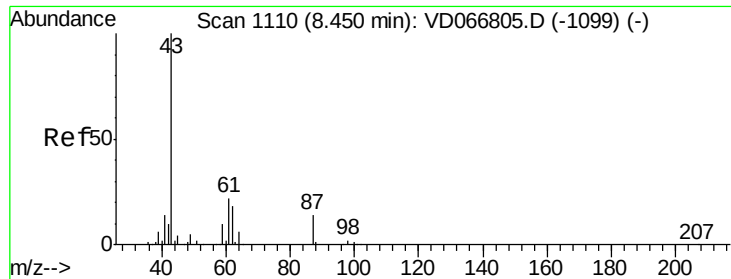
98 9.8 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 137.550 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066807.D

Acq: 22 Sep 2020 13:05

Instrument :

MSVOA_D

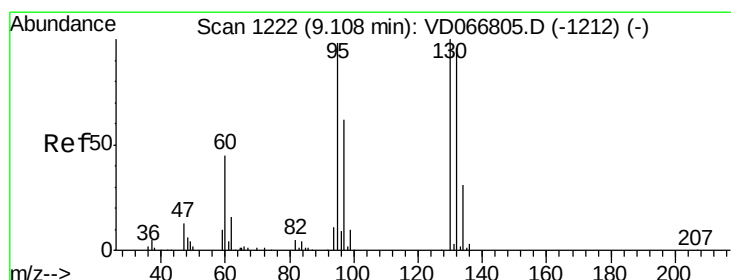
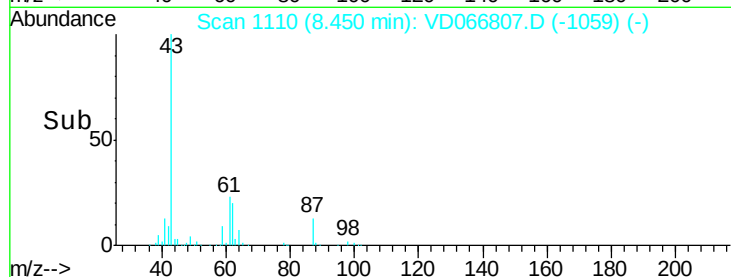
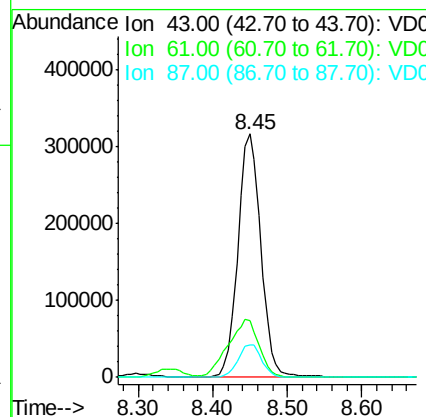
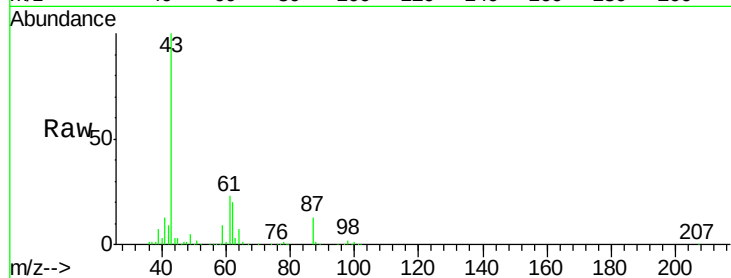
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	676855
Ion	Ratio	Lower	Upper
43	100		
61	31.8	26.2	39.4
87	13.9	11.5	17.3

Manual Integrations
APPROVED

MMDadoda
9/23/2020 1:05:03 PM



#44

Trichloroethene

Concen: 147.766 ug/l

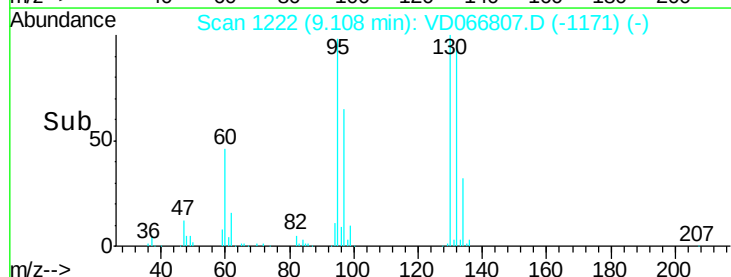
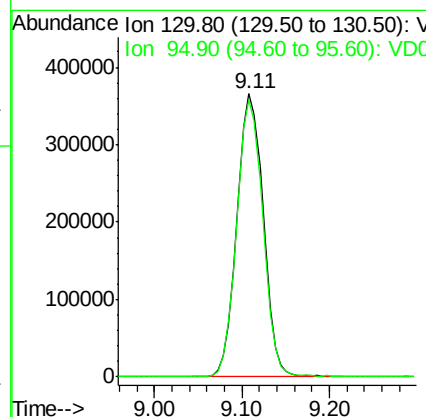
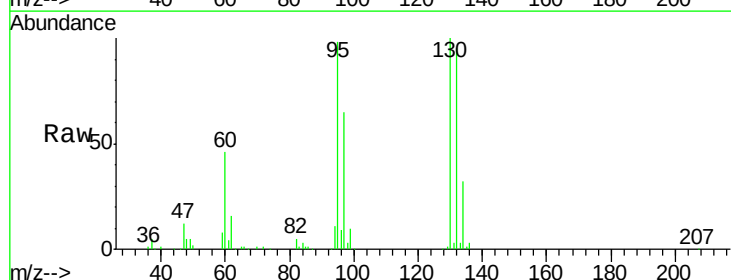
RT: 9.11 min Scan# 1222

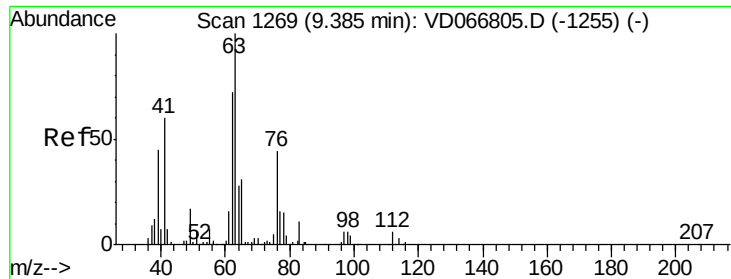
Delta R.T. 0.00 min

Lab File: VD066807.D

Acq: 22 Sep 2020 13:05

Tgt Ion:	130	Resp:	747141
Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	197.0





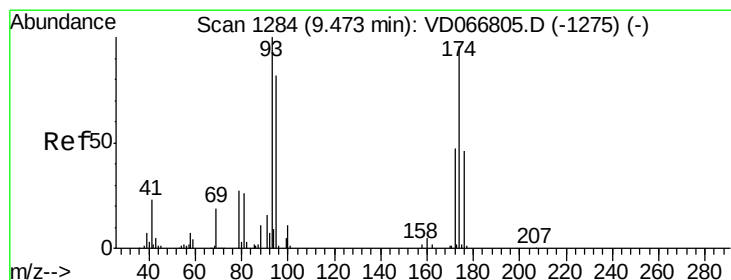
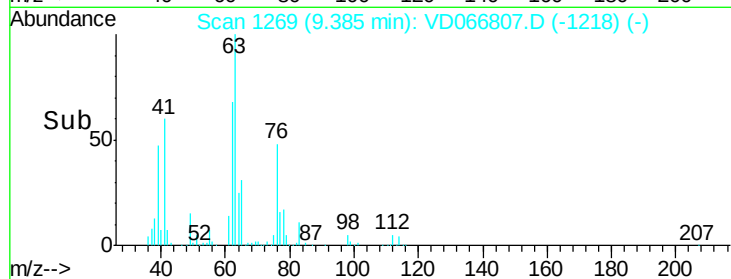
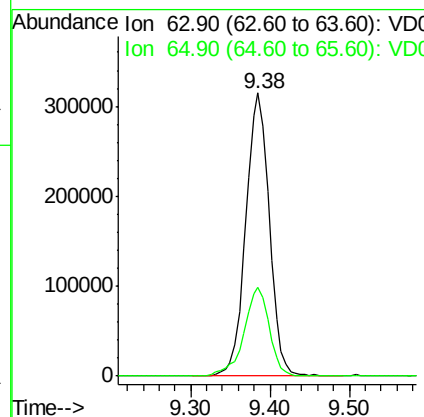
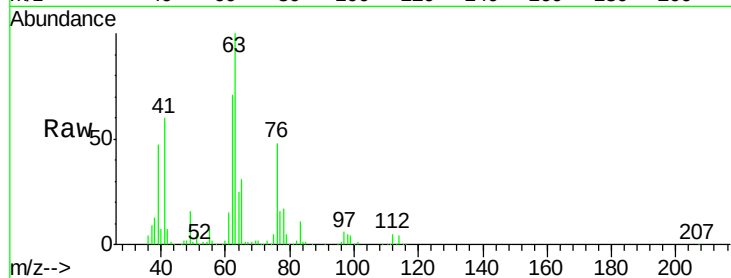
#45
 1,2-Dichloropropane
 Concen: 139.199 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD066807.D
 Acq: 22 Sep 2020 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.7	37.1

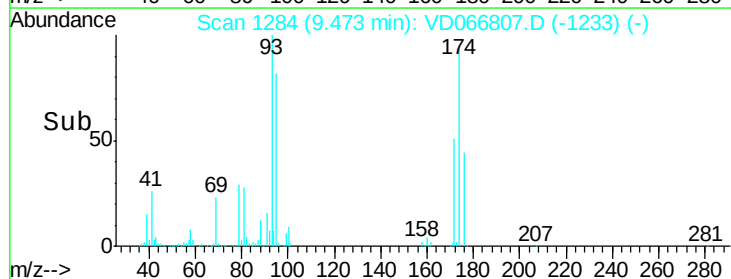
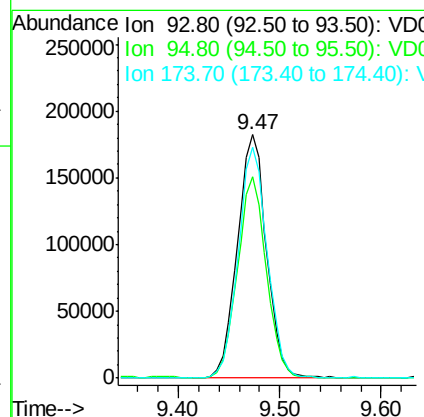
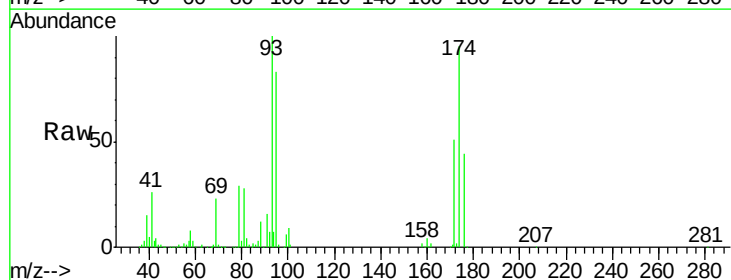
Manual Integrations
 APPROVED

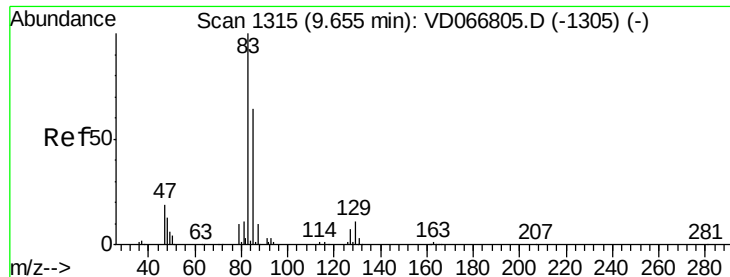
MMDadoda
 9/23/2020 1:05:03 PM



#46
 Dibromomethane
 Concen: 141.948 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VD066807.D
 Acq: 22 Sep 2020 13:05

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.3	97.9
174	94.4	75.4	113.2





#47

Bromodichloromethane

Concen: 137.984 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD066807.D

Acq: 22 Sep 2020 13:05

Instrument :

MSVOA_D

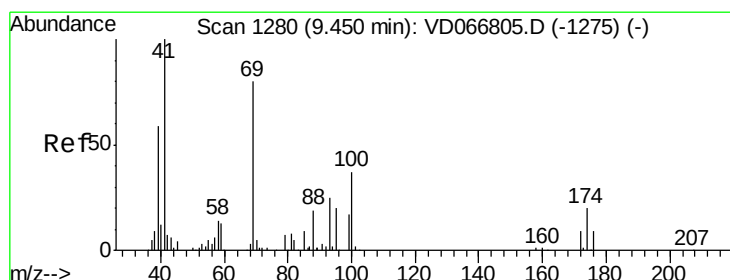
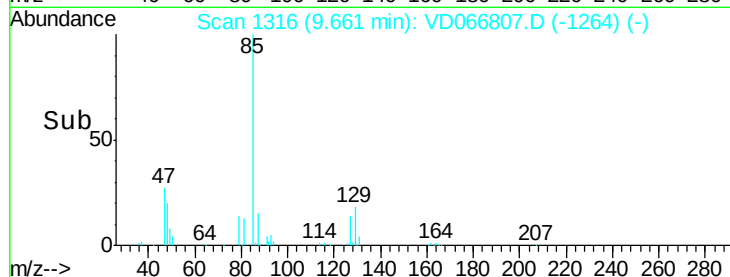
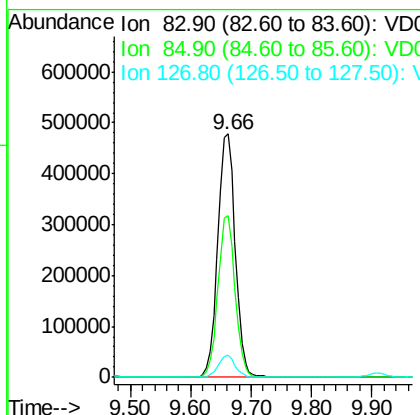
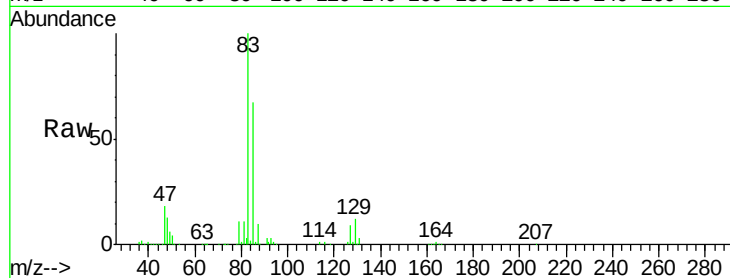
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	956767
Ion	Ratio	Lower	Upper
83	100		
85	66.6	50.9	76.3
127	9.2	5.9	8.9#

Manual Integrations
APPROVED

MMDadoda
9/23/2020 1:05:03 PM



#48

Methyl methacrylate

Concen: 145.957 ug/l

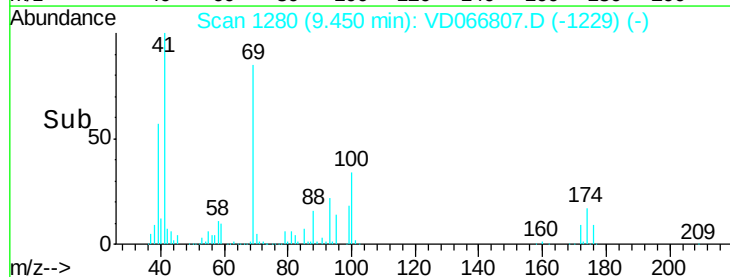
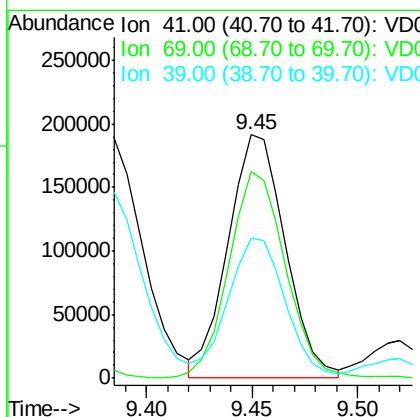
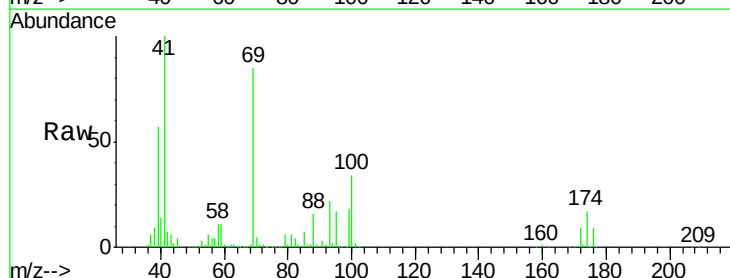
RT: 9.45 min Scan# 1280

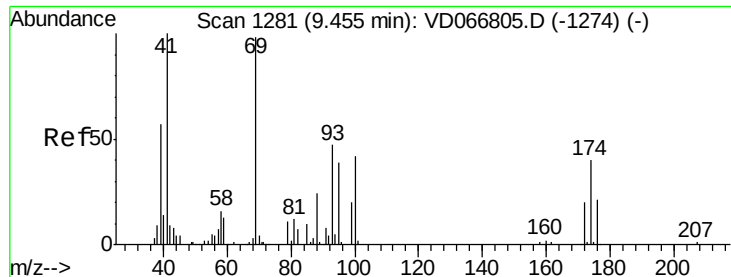
Delta R.T. 0.00 min

Lab File: VD066807.D

Acq: 22 Sep 2020 13:05

Tgt Ion:	41	Resp:	359433
Ion	Ratio	Lower	Upper
41	100		
69	84.6	74.5	111.7
39	53.9	47.0	70.6





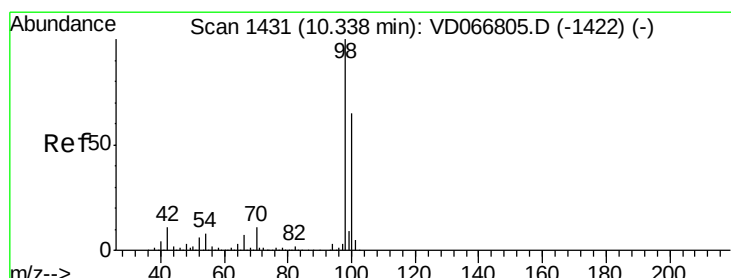
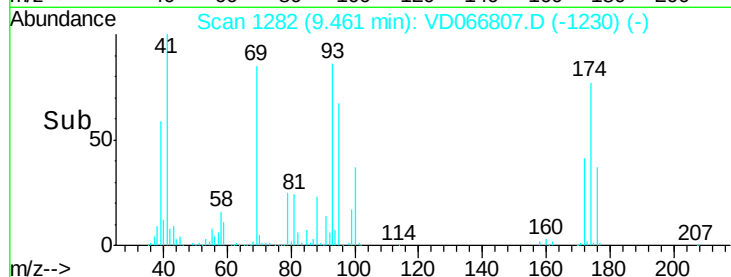
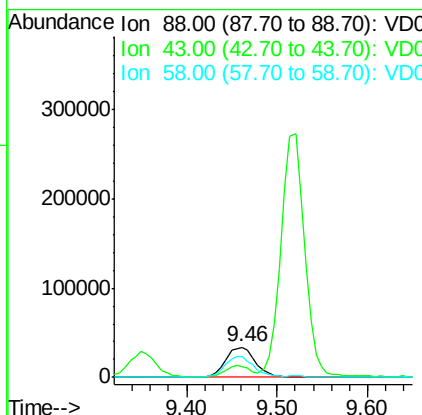
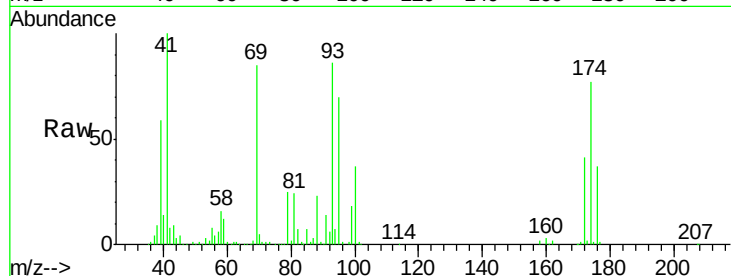
#49
1,4-Dioxane
Concen: 2805.509 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.01 min
Lab File: VD066807.D
Acq: 22 Sep 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	88	Resp	77213
Ion	Ratio	Lower	Upper
88	100		
43	33.7	27.7	41.5
58	67.8	55.5	83.3

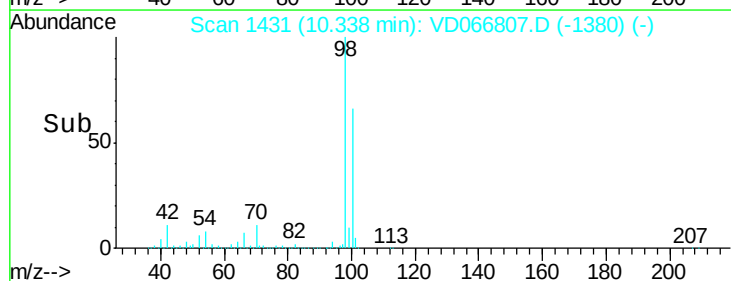
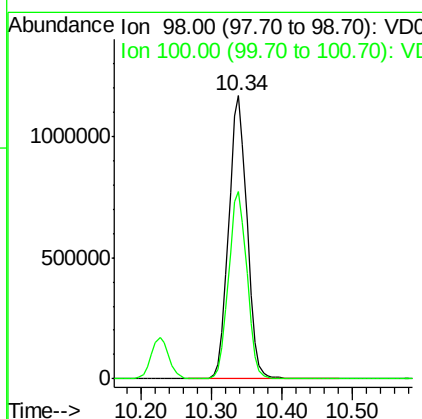
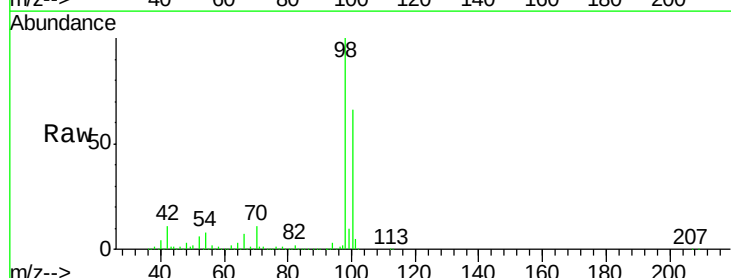
Manual Integrations
APPROVED

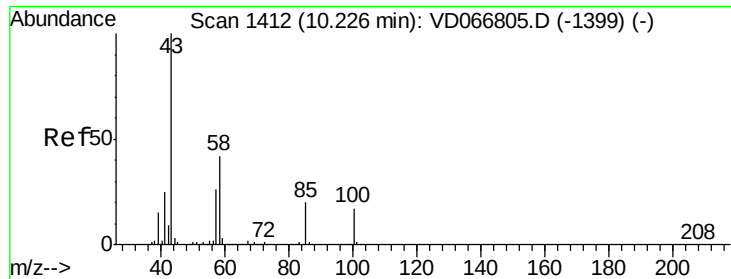
MMDadoda
9/23/2020 1:05:03 PM



#50
Toluene-d8
Concen: 143.380 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066807.D
Acq: 22 Sep 2020 13:05

Tgt Ion	98	Resp	2100846
Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.2	78.2





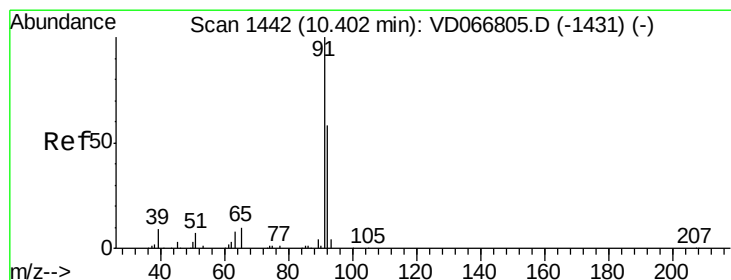
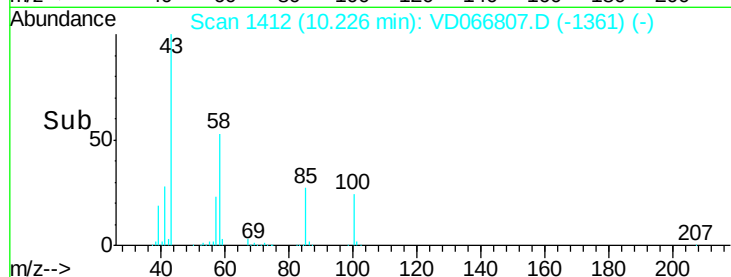
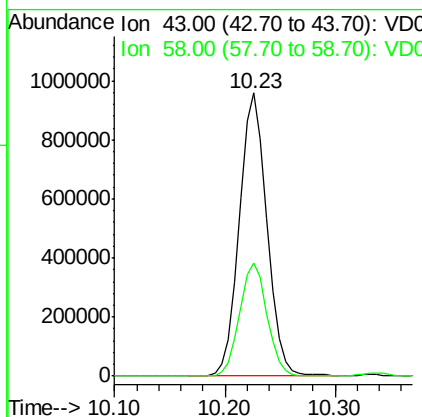
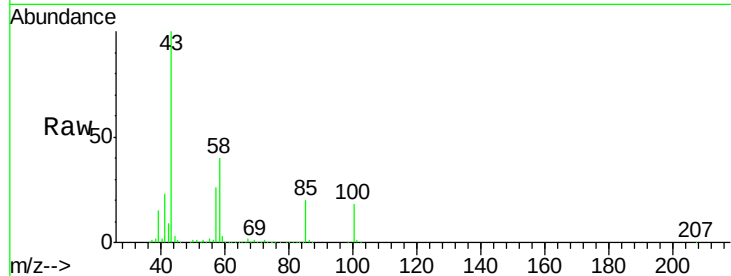
#51
 4-Methyl-2-Pentanone
 Concen: 666.728 ug/l
 RT: 10.23 min Scan# 1412
 Delta R.T. 0.00 min
 Lab File: VD066807.D
 Acq: 22 Sep 2020 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion: 43 Resp: 1687781
 Ion Ratio Lower Upper
 43 100
 58 40.1 32.2 48.4

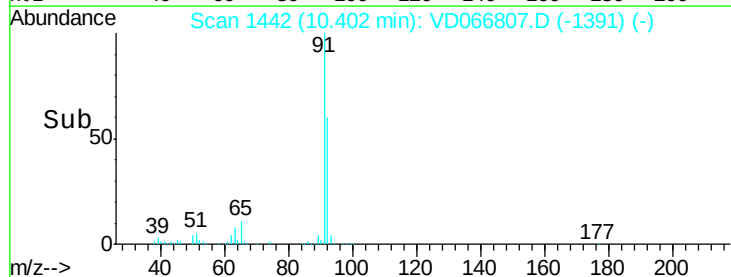
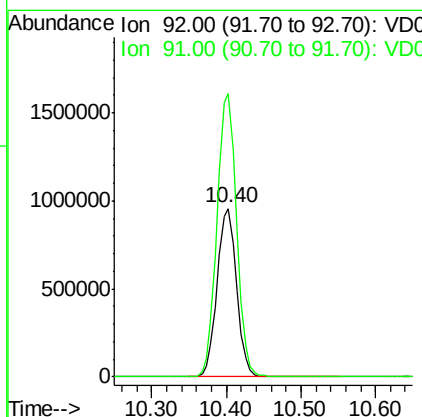
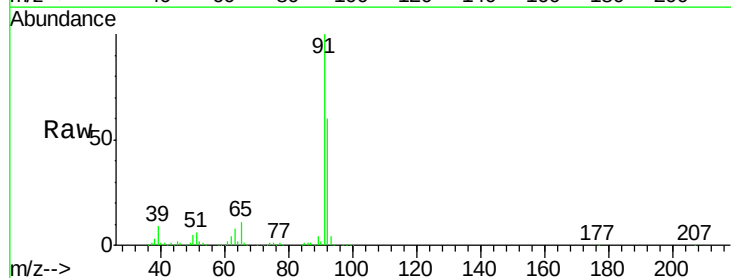
Manual Integrations
 APPROVED

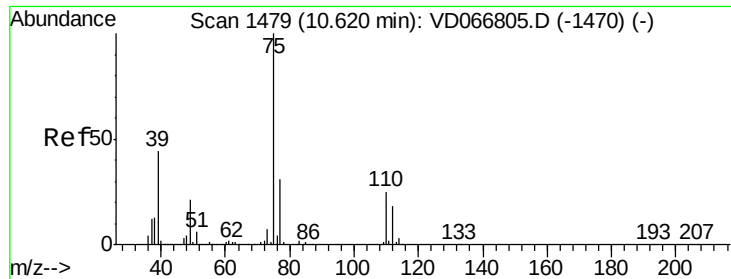
MMDadoda
 9/23/2020 1:05:03 PM



#52
 Toluene
 Concen: 143.825 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VD066807.D
 Acq: 22 Sep 2020 13:05

Tgt Ion: 92 Resp: 1728895
 Ion Ratio Lower Upper
 92 100
 91 169.5 134.6 202.0





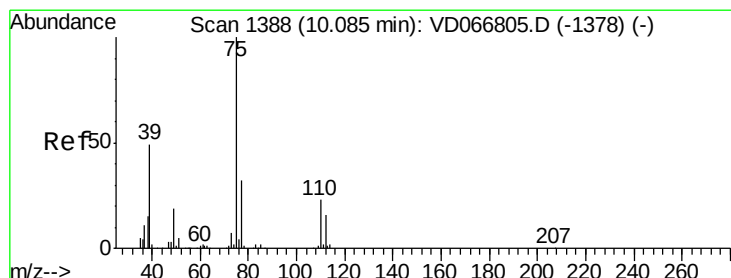
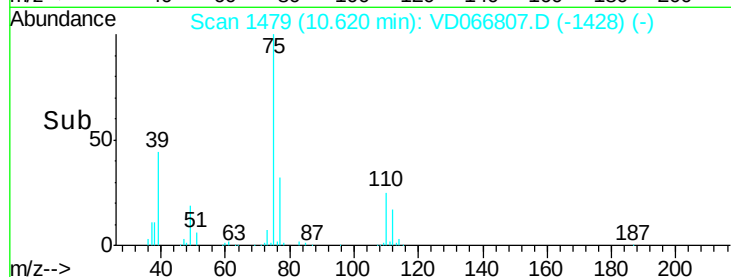
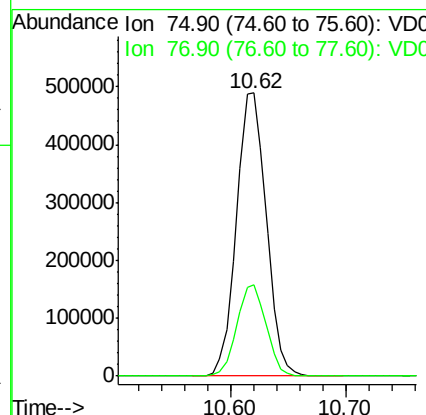
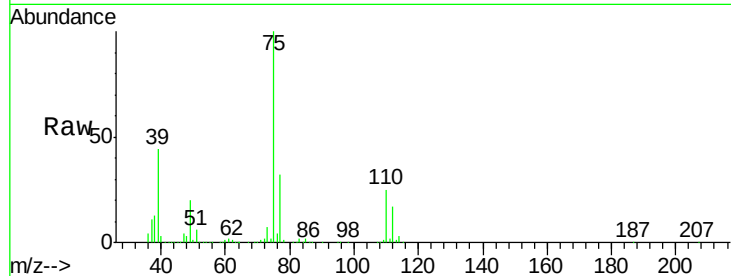
#53
t-1,3-Dichloropropene
Concen: 142.460 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD066807.D
Acq: 22 Sep 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 879374
Ion Ratio Lower Upper
75 100
77 32.4 24.5 36.7

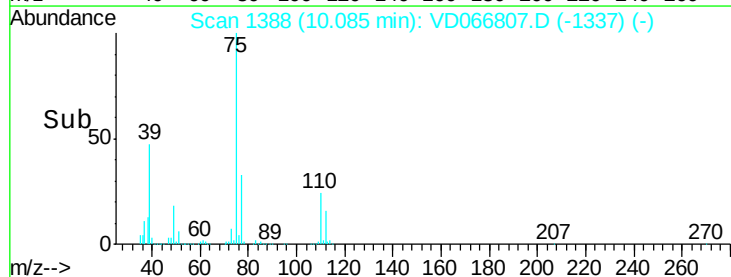
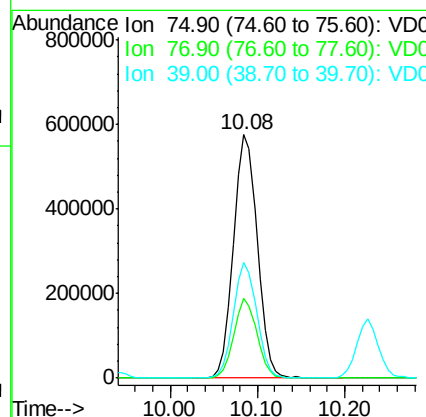
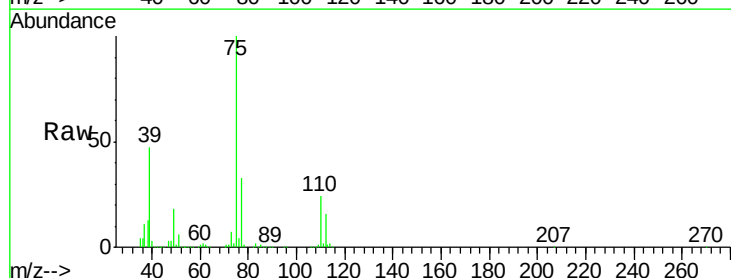
Manual Integrations
APPROVED

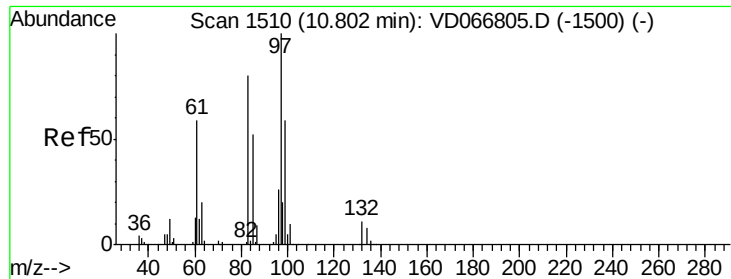
MMDadoda
9/23/2020 1:05:03 PM



#54
cis-1,3-Dichloropropene
Concen: 144.814 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VD066807.D
Acq: 22 Sep 2020 13:05

Tgt Ion: 75 Resp: 1061905
Ion Ratio Lower Upper
75 100
77 32.6 25.6 38.4
39 47.2 39.2 58.8





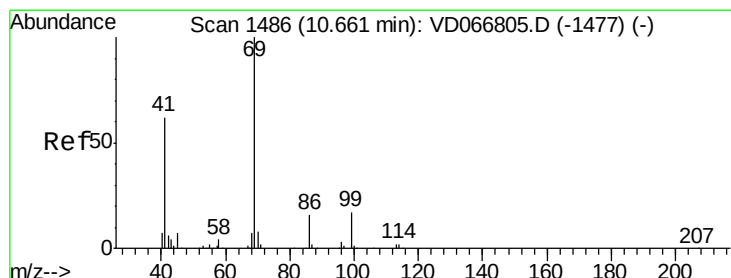
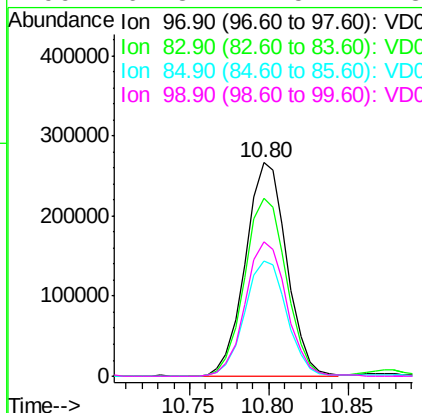
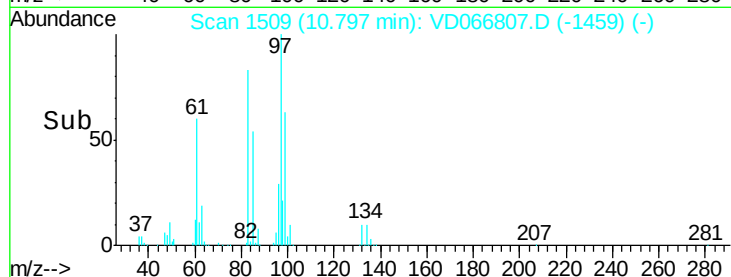
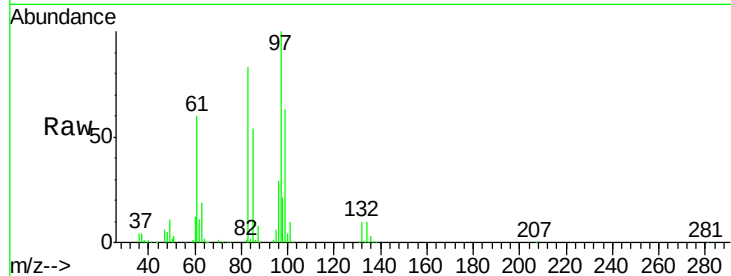
#55
 1,1,2-Trichloroethane
 Concen: 142.393 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066807.D
 Acq: 22 Sep 2020 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	483828
Ion	Ratio	Lower	Upper
97	100		
83	83.1	64.2	96.2
85	53.7	41.9	62.9
99	62.8	47.5	71.3

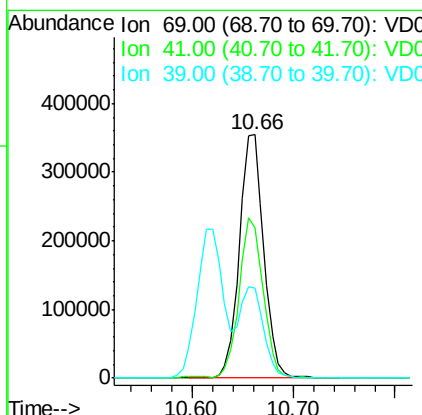
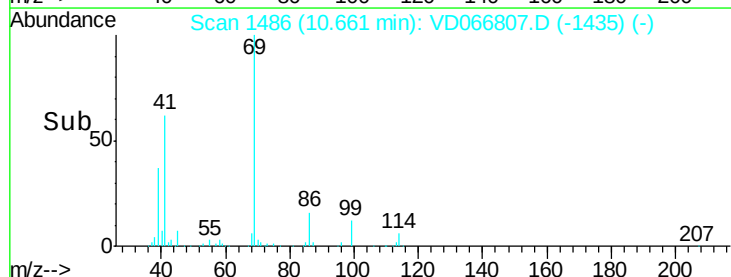
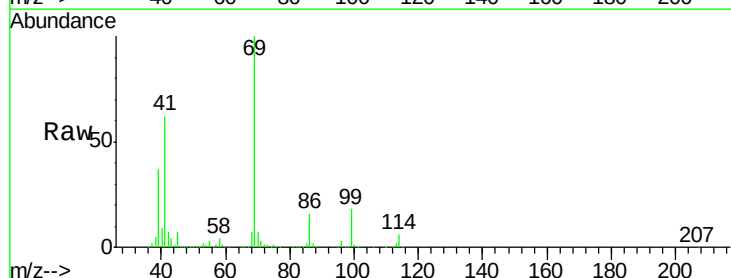
Manual Integrations
 APPROVED

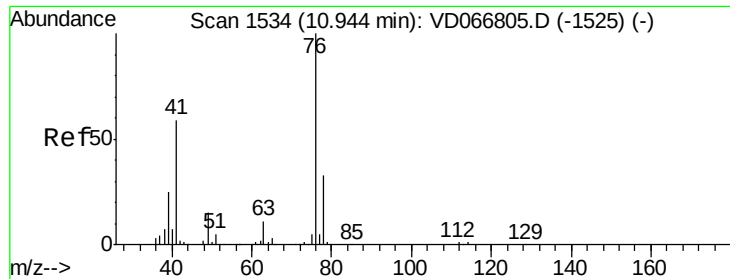
MMDadoda
 9/23/2020 1:05:03 PM



#56
 Ethyl methacrylate
 Concen: 155.322 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD066807.D
 Acq: 22 Sep 2020 13:05

Tgt Ion:	69	Resp:	591138
Ion	Ratio	Lower	Upper
69	100		
41	64.1	52.2	78.2
39	37.8	26.6	40.0





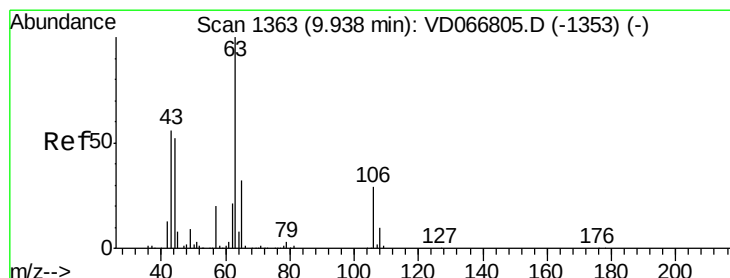
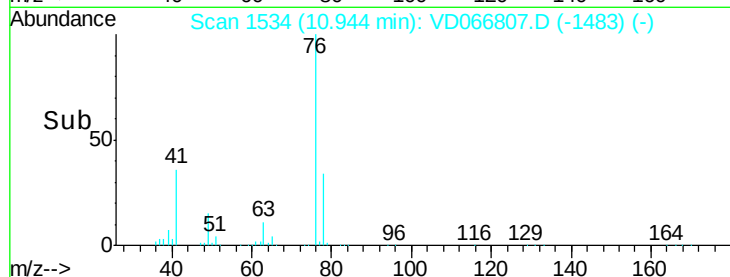
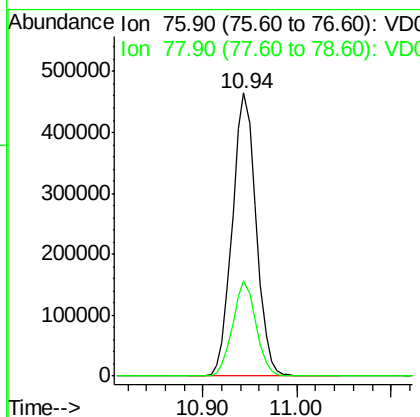
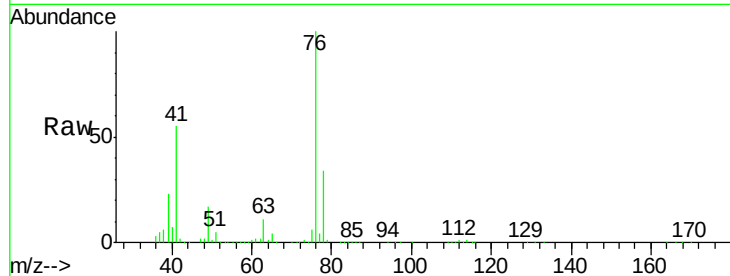
#57
 1,3-Dichloropropane
 Concen: 138.734 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD066807.D
 Acq: 22 Sep 2020 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.1	26.3	39.5

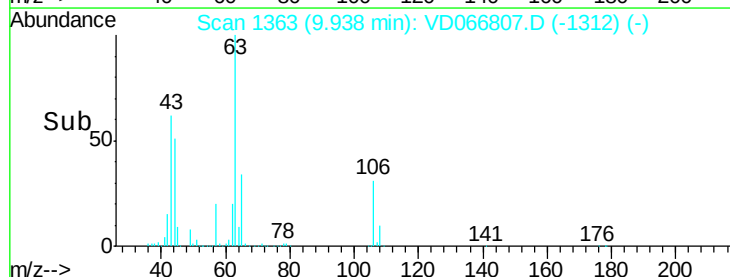
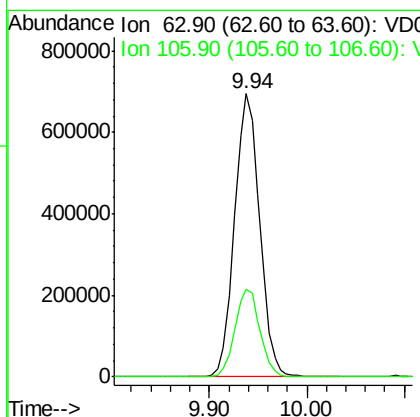
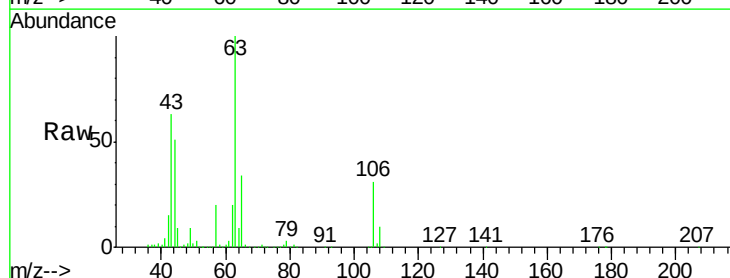
Manual Integrations
 APPROVED

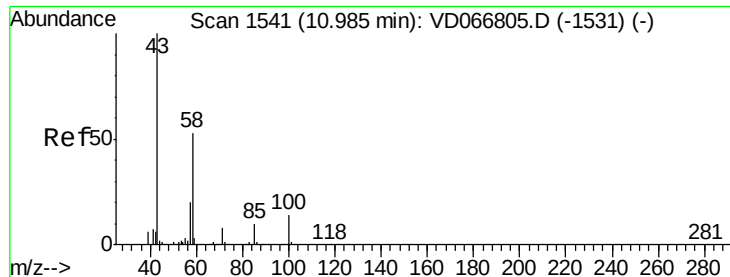
MMDadoda
 9/23/2020 1:05:03 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 729.262 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066807.D
 Acq: 22 Sep 2020 13:05

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.6	23.8	35.6





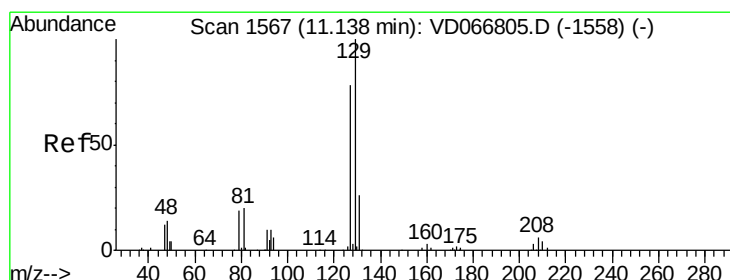
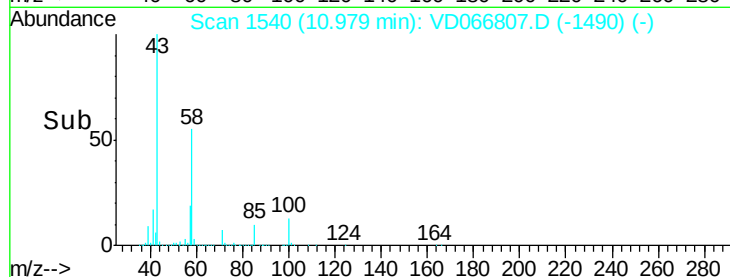
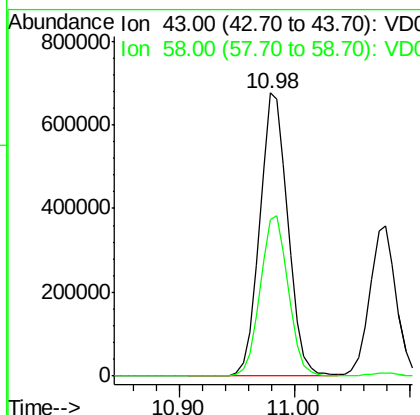
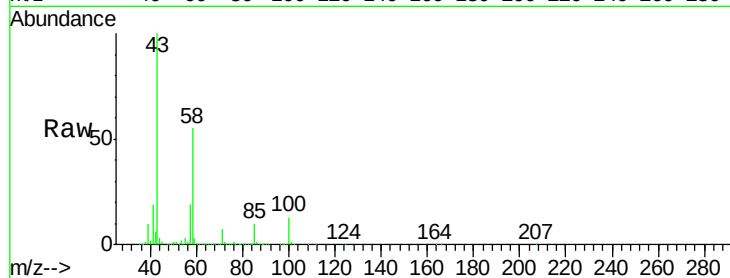
#59
2-Hexanone
Concen: 676.765 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066807.D
Acq: 22 Sep 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1151267
Ion Ratio Lower Upper
43 100
58 56.4 27.0 80.8

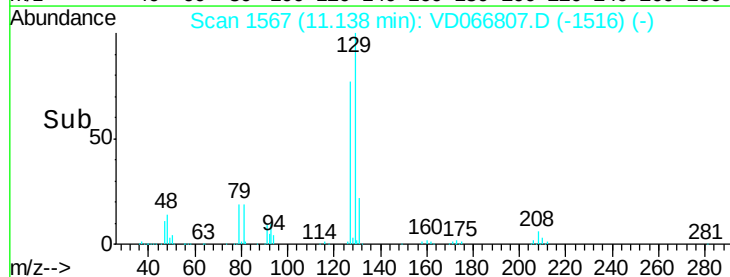
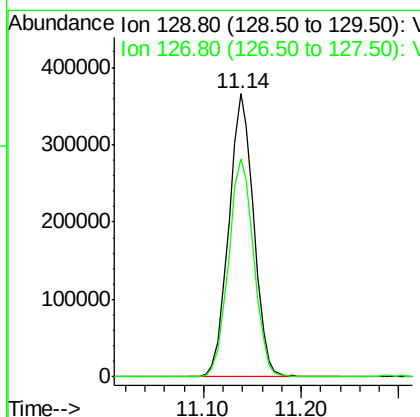
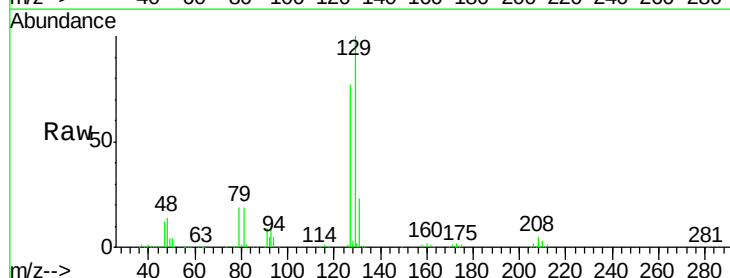
Manual Integrations
APPROVED

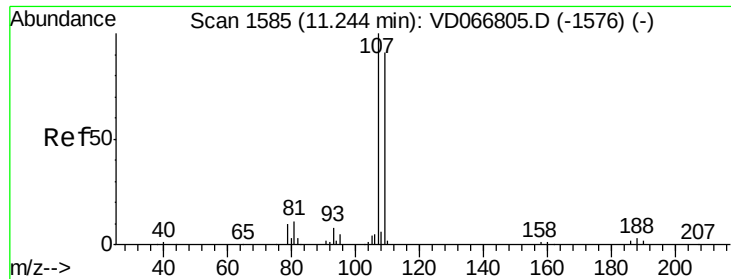
MMDadoda
9/23/2020 1:05:03 PM



#60
Dibromochloromethane
Concen: 146.392 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066807.D
Acq: 22 Sep 2020 13:05

Tgt Ion: 129 Resp: 644228
Ion Ratio Lower Upper
129 100
127 78.2 38.6 116.0





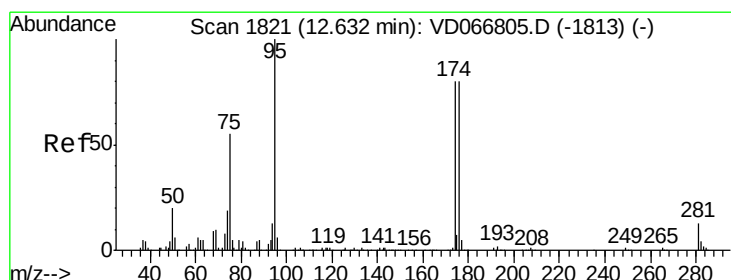
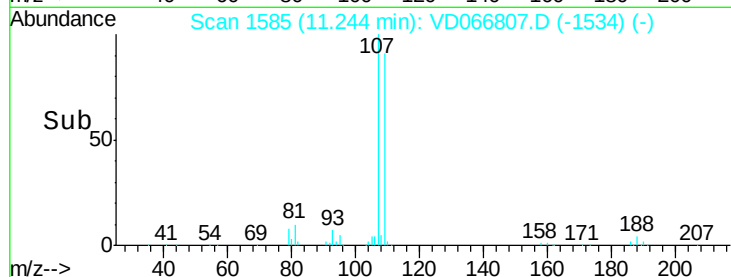
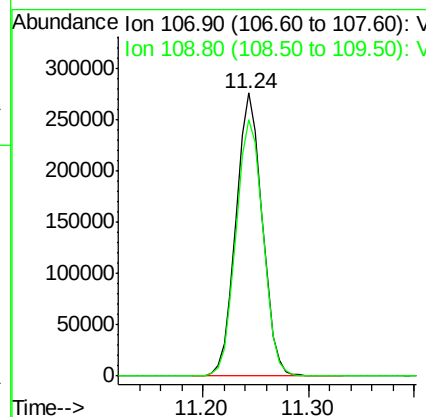
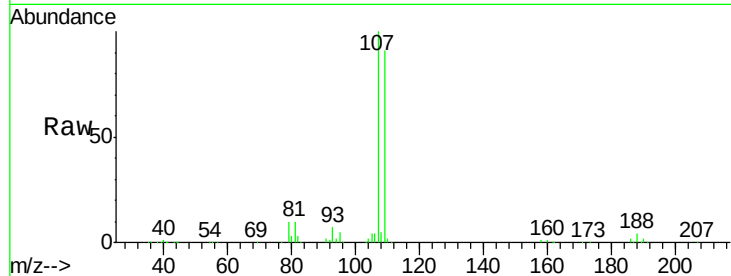
#61
 1,2-Dibromoethane
 Concen: 146.224 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD066807.D
 Acq: 22 Sep 2020 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.0	112.4

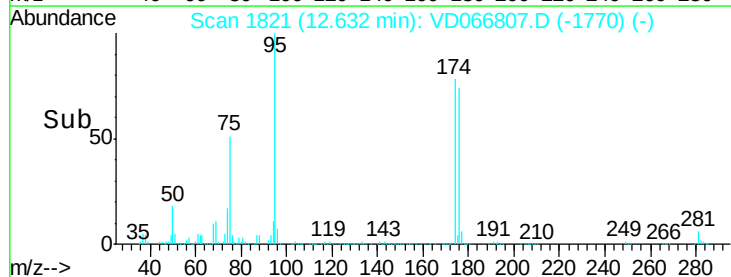
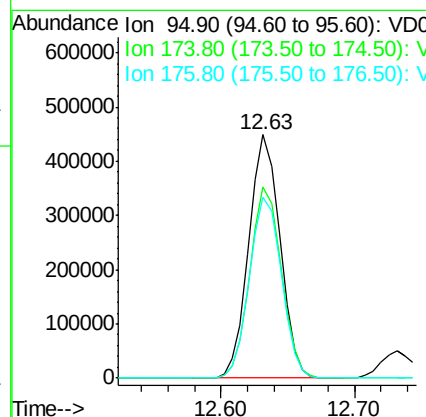
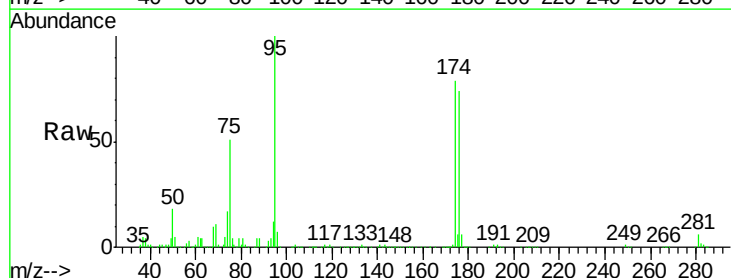
Manual Integrations
 APPROVED

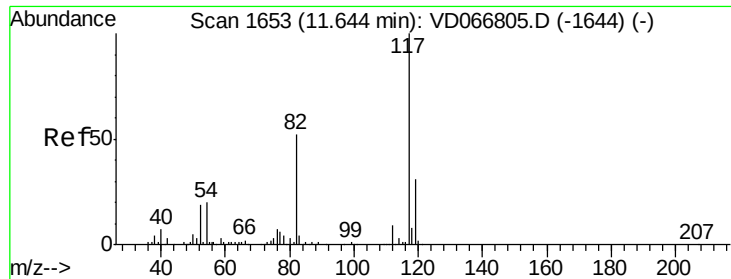
MMDadoda
 9/23/2020 1:05:03 PM



#62
 4-Bromofluorobenzene
 Concen: 142.858 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD066807.D
 Acq: 22 Sep 2020 13:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.5	0.0	159.8
176	76.2	0.0	154.4





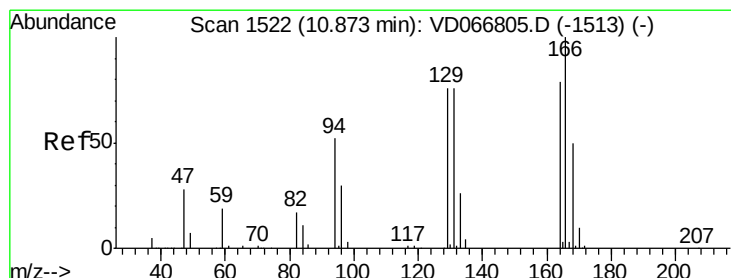
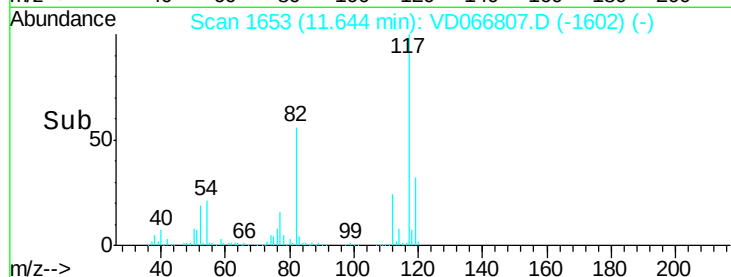
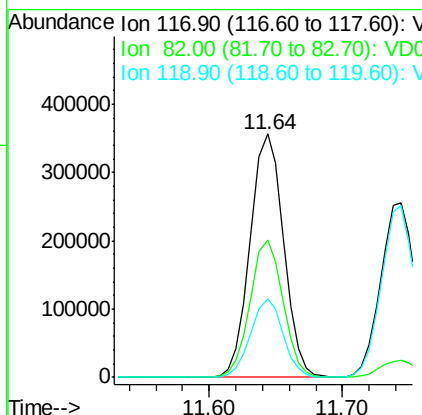
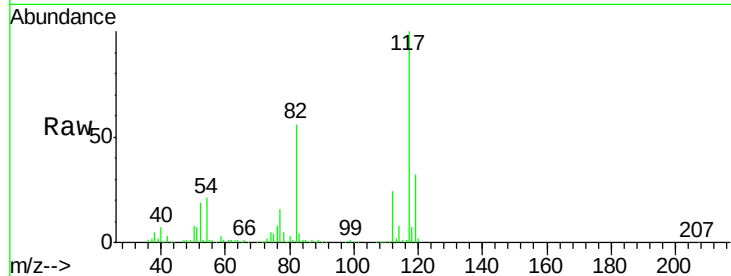
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066807.D
Acq: 22 Sep 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	41.8	62.6
119	32.3	24.6	37.0

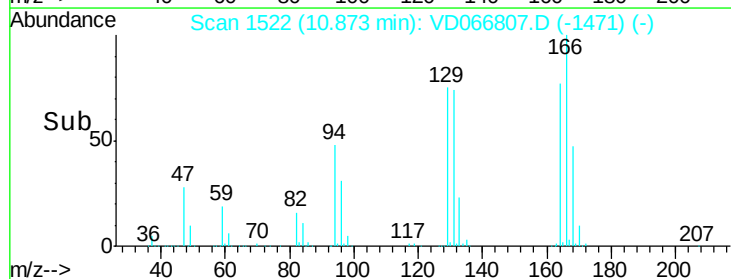
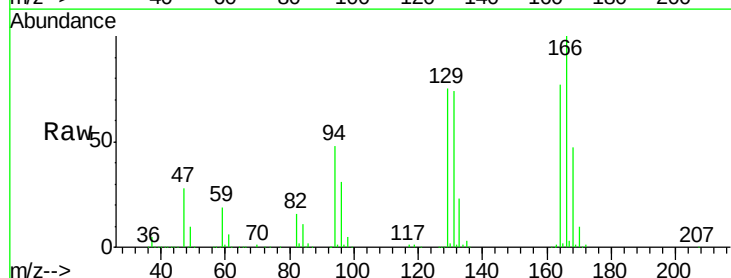
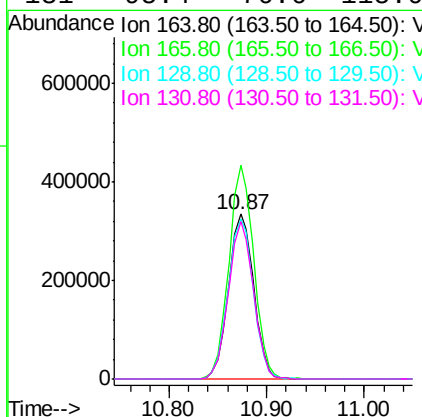
Manual Integrations
APPROVED

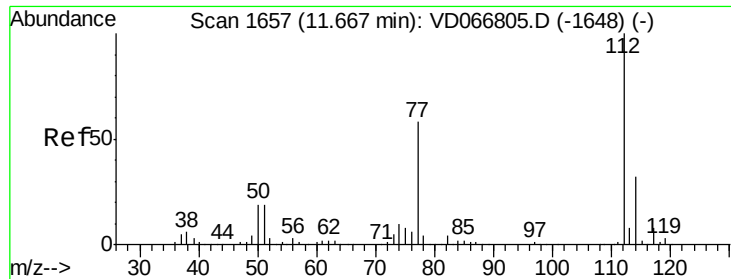
MMDadoda
9/23/2020 1:05:03 PM



#64
Tetrachloroethene
Concen: 141.723 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066807.D
Acq: 22 Sep 2020 13:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.7	101.1	151.7
129	97.1	77.0	115.4
131	95.4	76.6	115.0





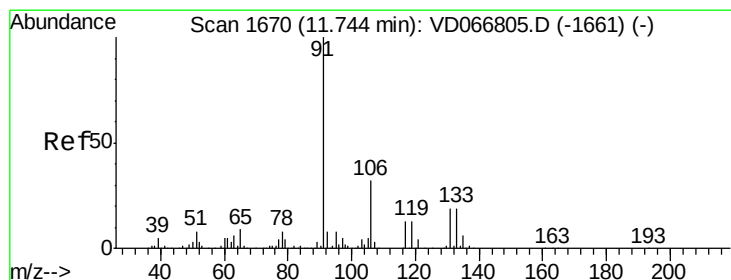
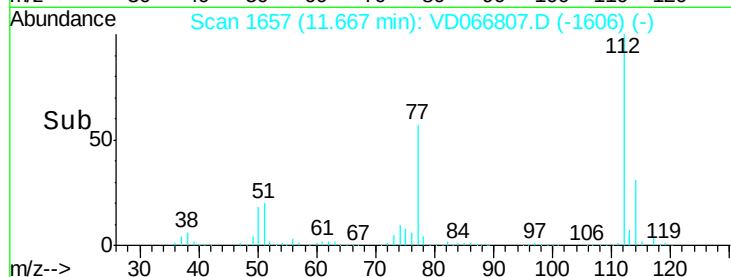
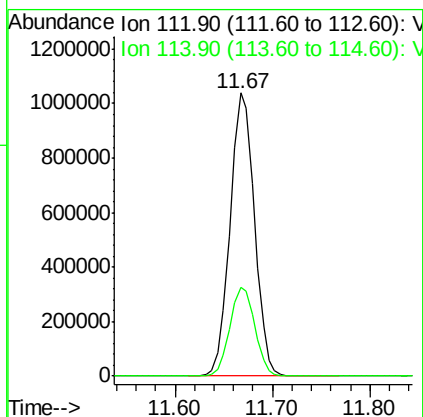
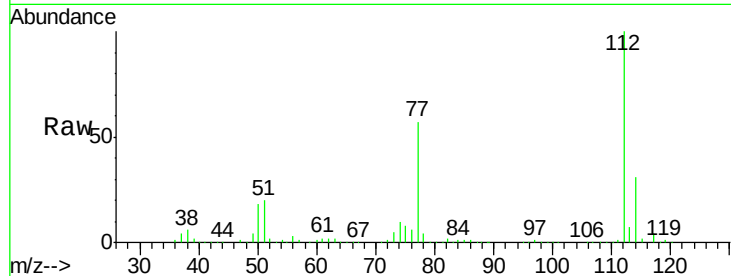
#65
Chlorobenzene
Concen: 141.805 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VD066807.D
Acq: 22 Sep 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1806382
Ion Ratio Lower Upper
112 100
114 31.4 25.4 38.2

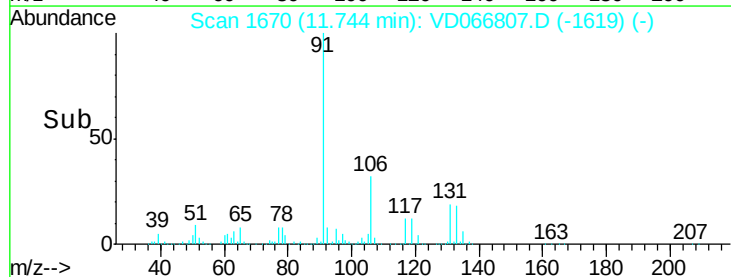
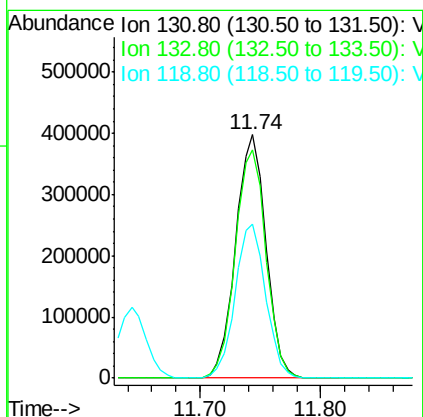
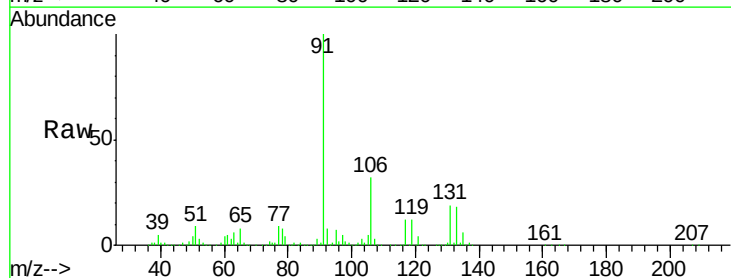
Manual Integrations
APPROVED

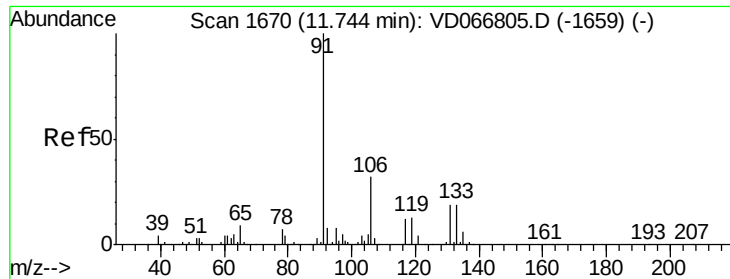
MMDadoda
9/23/2020 1:05:03 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 147.343 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066807.D
Acq: 22 Sep 2020 13:05

Tgt Ion:131 Resp: 698432
Ion Ratio Lower Upper
131 100
133 95.2 46.7 140.1
119 63.6 32.3 96.9





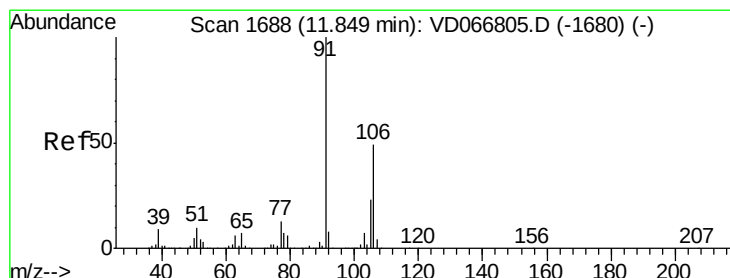
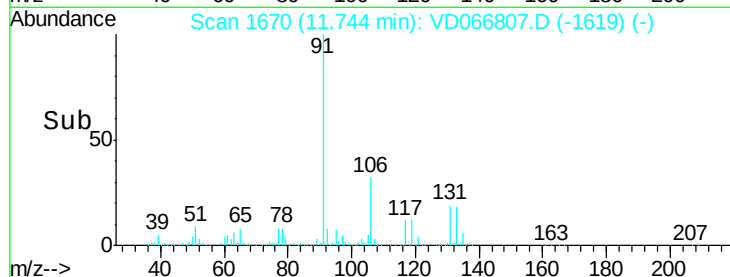
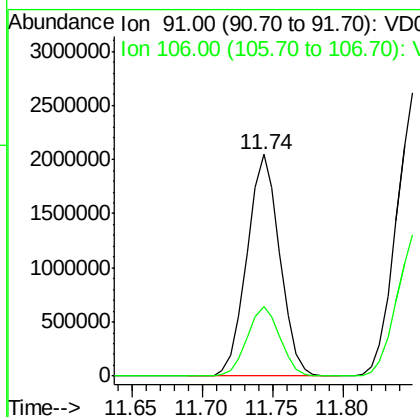
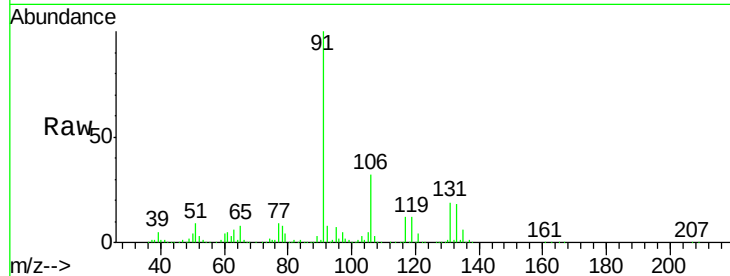
#67
Ethyl Benzene
Concen: 145.308 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066807.D
Acq: 22 Sep 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 3343047
Ion Ratio Lower Upper
91 100
106 31.6 25.6 38.4

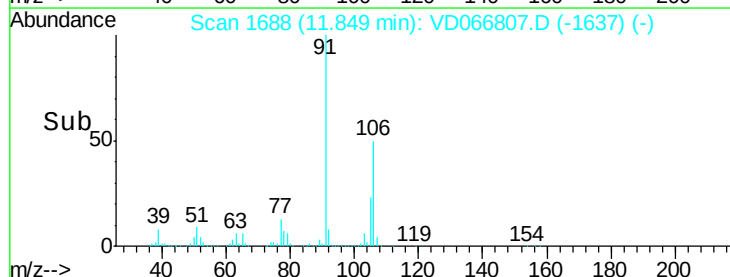
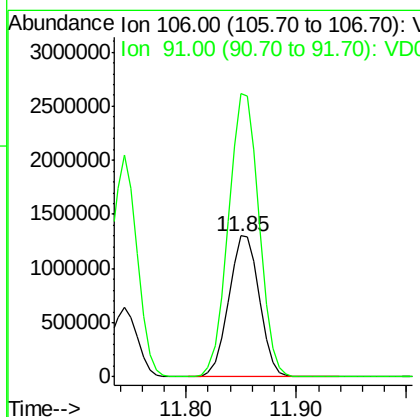
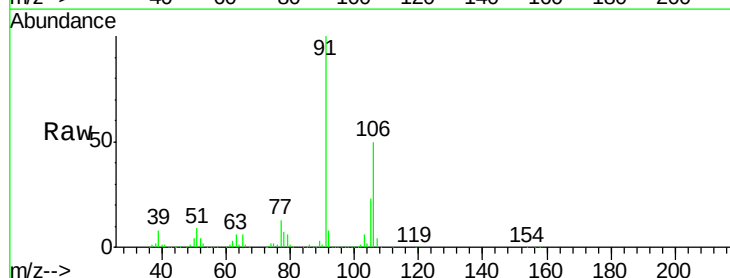
Manual Integrations
APPROVED

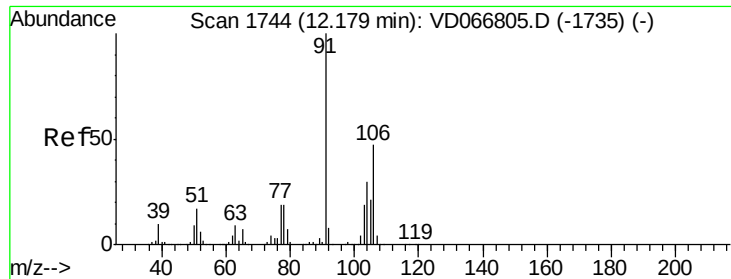
MMDadoda
9/23/2020 1:05:03 PM



#68
m/p-Xylenes
Concen: 290.665 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VD066807.D
Acq: 22 Sep 2020 13:05

Tgt Ion: 106 Resp: 2534272
Ion Ratio Lower Upper
106 100
91 200.5 160.7 241.1





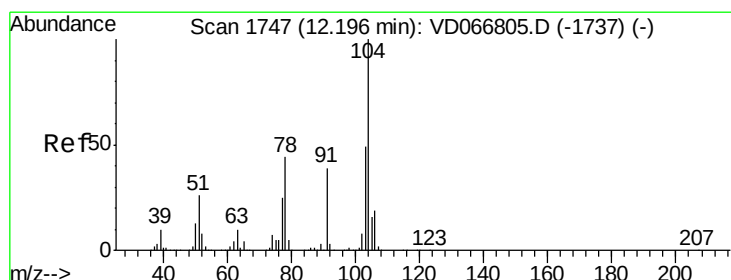
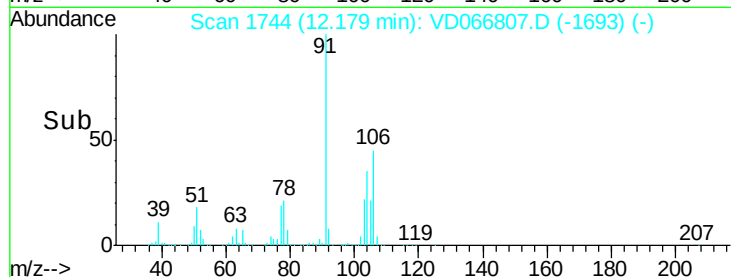
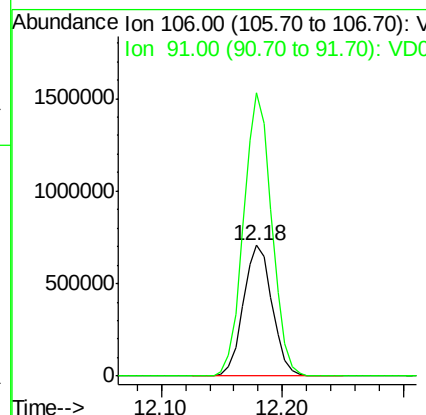
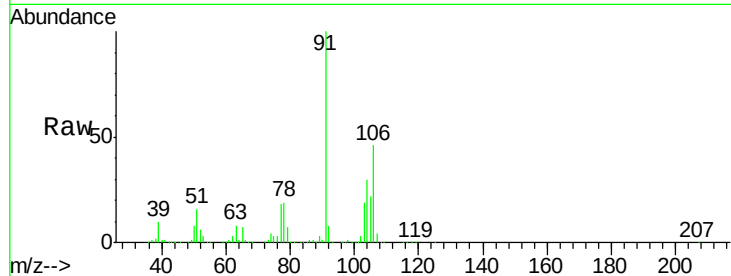
#69
o-Xylene
Concen: 152.335 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066807.D
Acq: 22 Sep 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 1177264
Ion Ratio Lower Upper
106 100
91 210.9 106.3 318.8

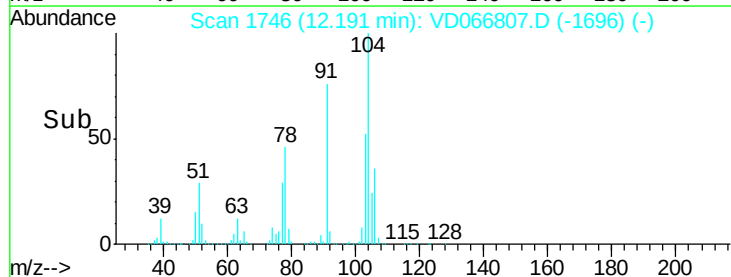
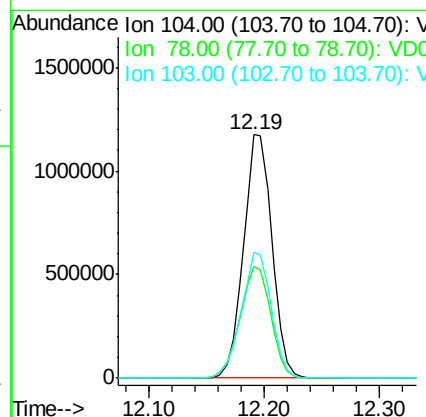
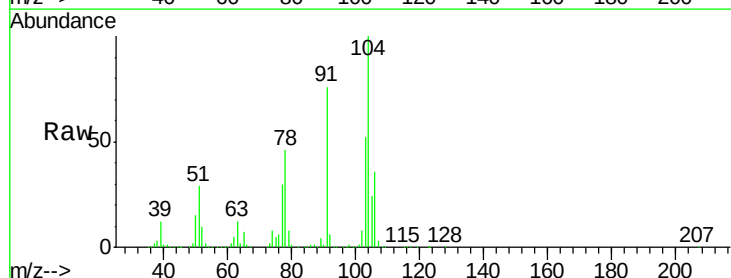
Manual Integrations
APPROVED

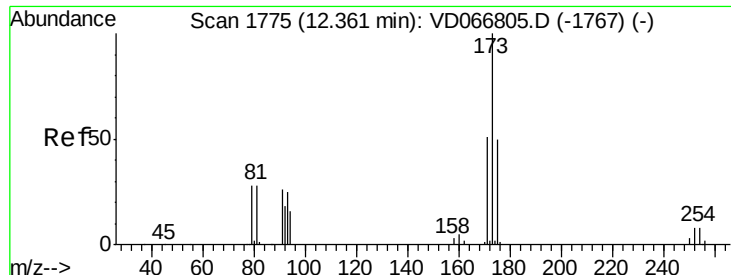
MMDadoda
9/23/2020 1:05:03 PM



#70
Styrene
Concen: 148.186 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066807.D
Acq: 22 Sep 2020 13:05

Tgt Ion:104 Resp: 2010656
Ion Ratio Lower Upper
104 100
78 49.6 38.9 58.3
103 54.0 43.2 64.8





#71

Bromoform

Concen: 144.896 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066807.D

Acq: 22 Sep 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 345795

Ion Ratio Lower Upper

173 100

175 48.4 24.9 74.6

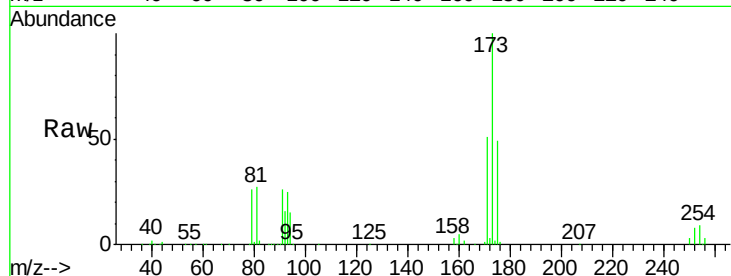
254 0.1 0.1 0.1#

Manual Integrations

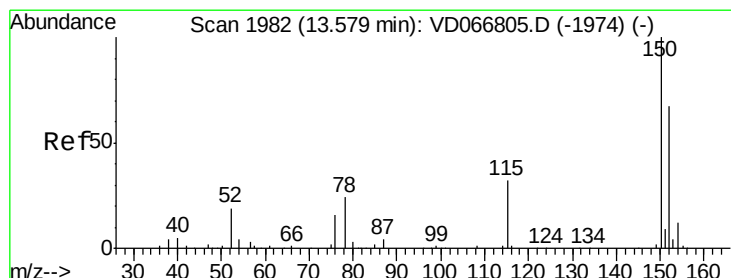
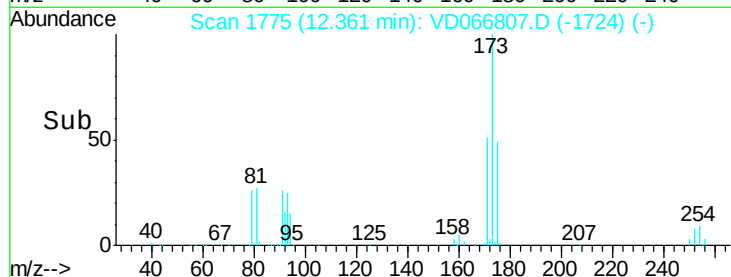
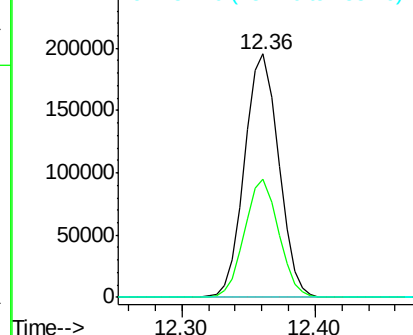
APPROVED

MMDadoda

9/23/2020 1:05:03 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066807.D

Acq: 22 Sep 2020 13:05

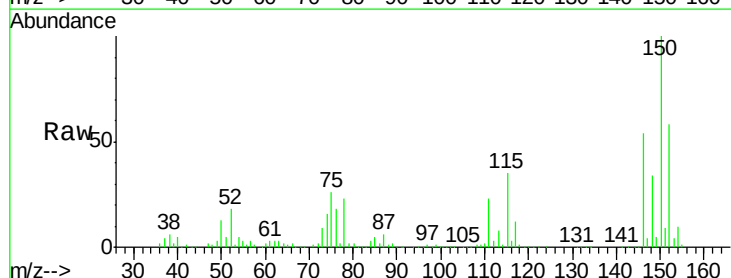
Tgt Ion:152 Resp: 291350

Ion Ratio Lower Upper

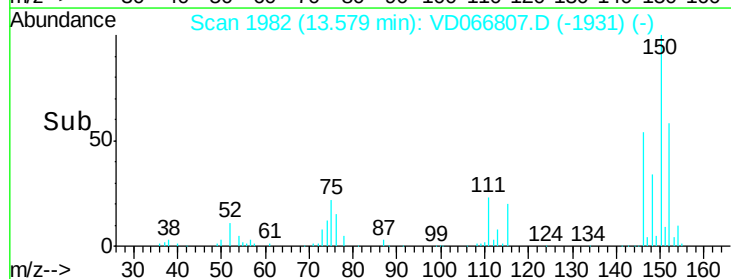
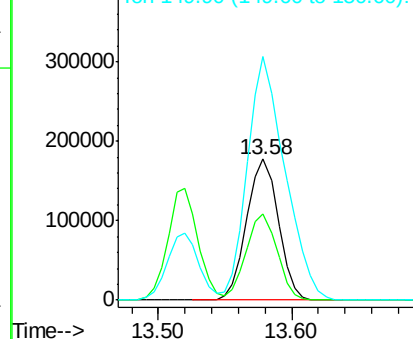
152 100

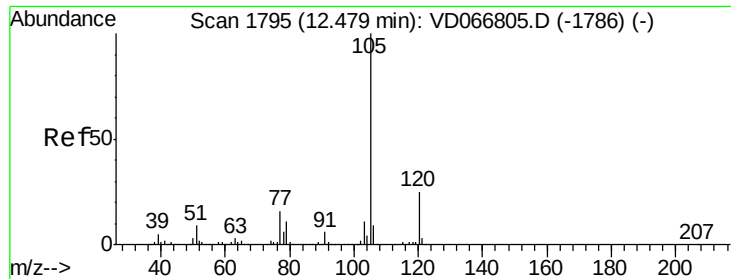
115 59.9 30.3 91.0

150 205.3 0.0 346.2



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





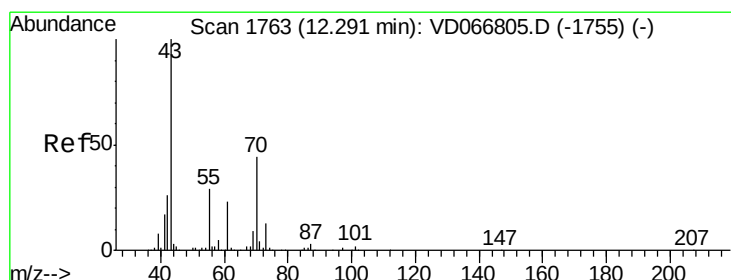
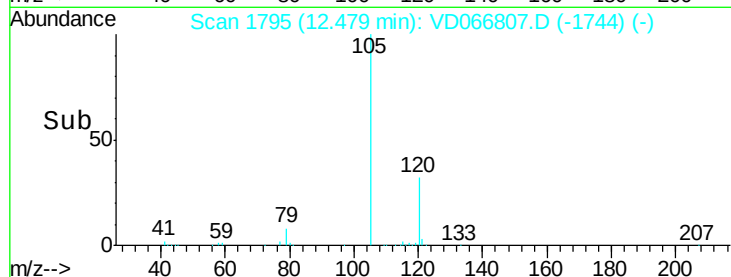
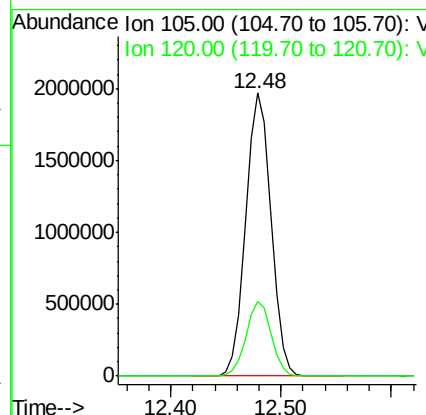
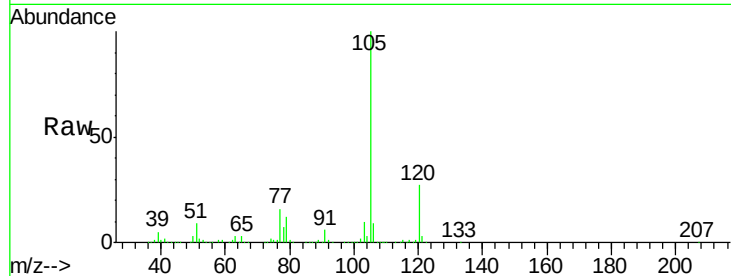
#73
Isopropylbenzene
Concen: 146.572 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VD066807.D
Acq: 22 Sep 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:105 Resp: 3175729
Ion Ratio Lower Upper
105 100
120 26.2 12.9 38.6

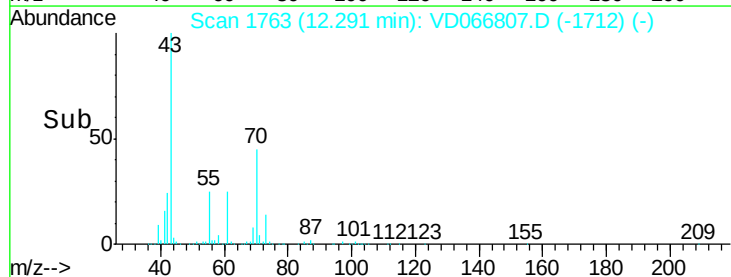
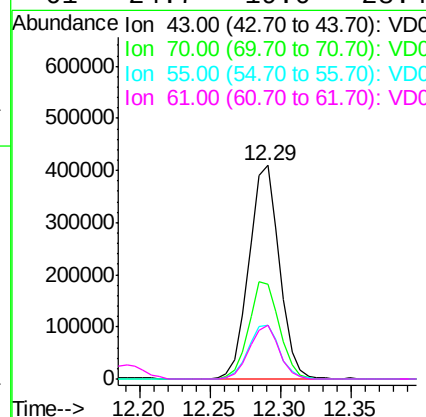
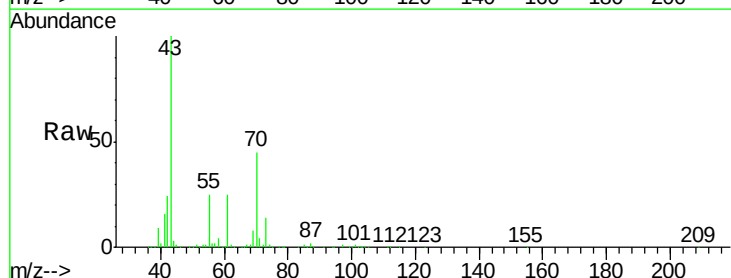
Manual Integrations
APPROVED

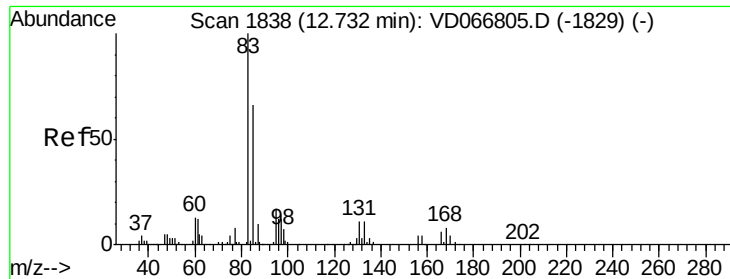
MMDadoda
9/23/2020 1:05:03 PM



#74
N-ethyl acetate
Concen: 136.543 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD066807.D
Acq: 22 Sep 2020 13:05

Tgt Ion: 43 Resp: 621460
Ion Ratio Lower Upper
43 100
70 45.7 36.1 54.1
55 26.0 21.8 32.8
61 24.7 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 132.817 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066807.D

Acq: 22 Sep 2020 13:05

Instrument :

MSVOA_D

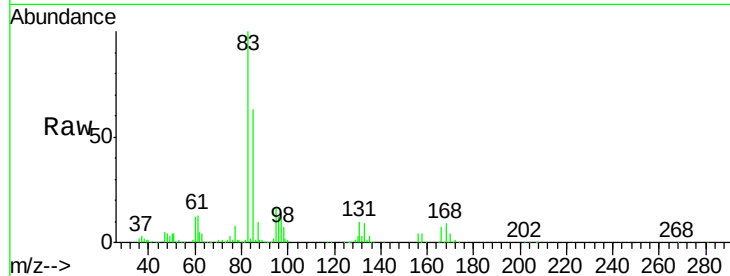
ClientSampleId :

VSTDIC150

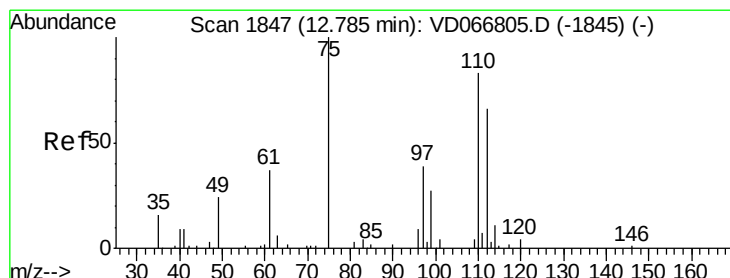
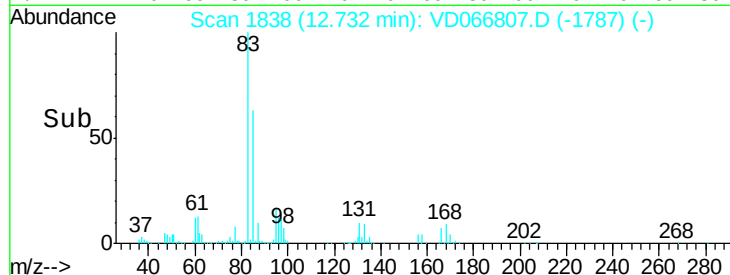
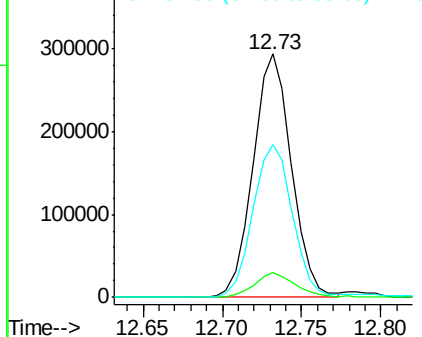
Tot Ion:	83	Resp:	494419
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.5	16.7
85	64.4	32.1	96.5

Manual Integrations
APPROVED

MMDadoda
9/23/2020 1:05:03 PM



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 127.839 ug/l m

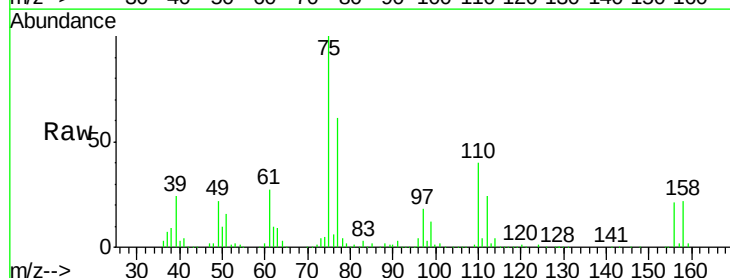
RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

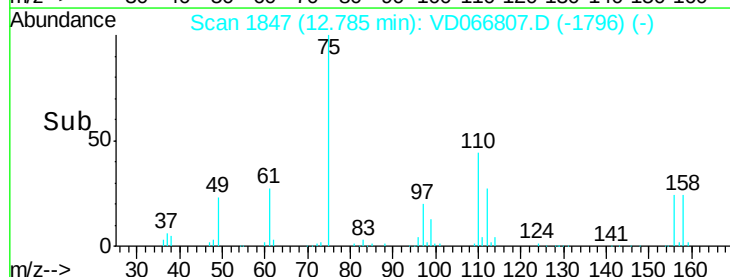
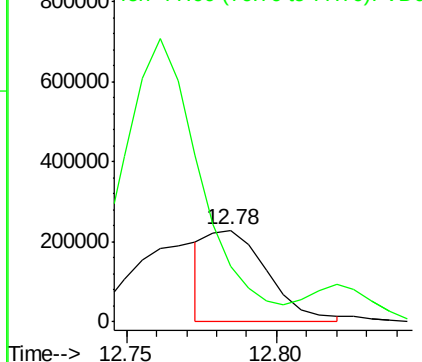
Lab File: VD066807.D

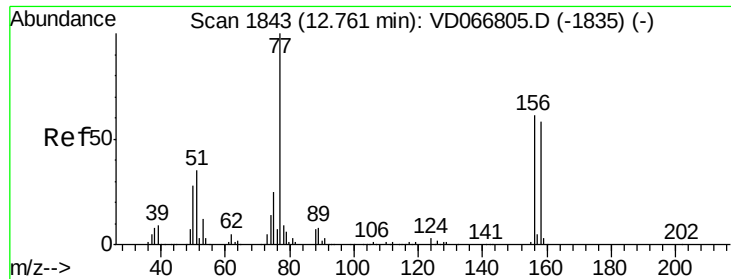
Acq: 22 Sep 2020 13:05

Tgt Ion:	75	Resp:	320644
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 140.625 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066807.D

Acq: 22 Sep 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 708972

Ion Ratio Lower Upper

156 100

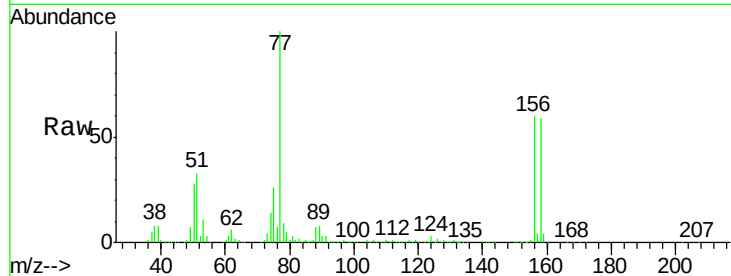
77 181.2 92.3 276.9

158 97.3 47.6 142.9

Manual Integrations
APPROVED

MMDadoda

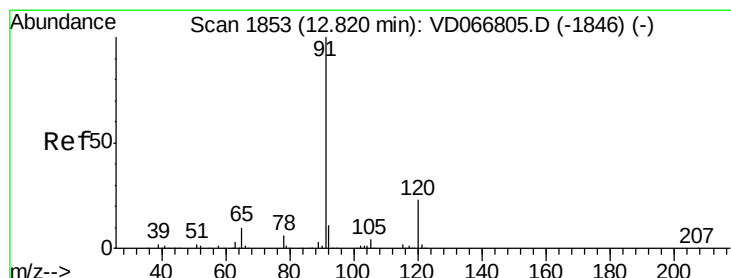
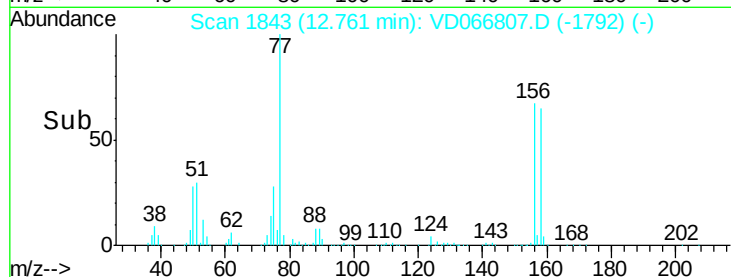
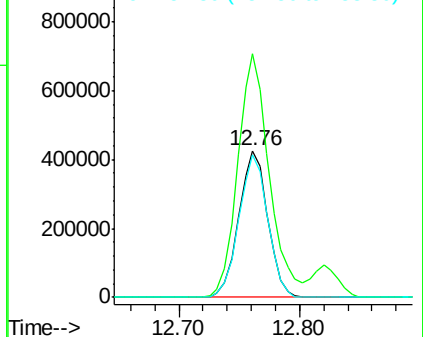
9/23/2020 1:05:03 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 140.215 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066807.D

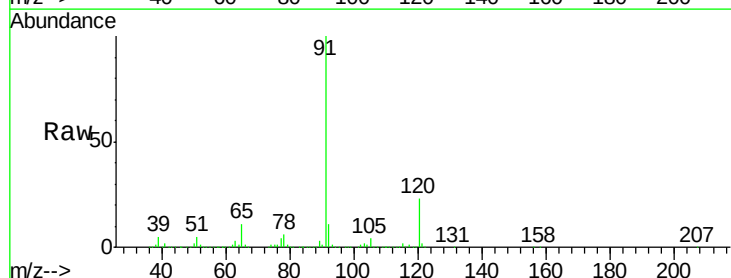
Acq: 22 Sep 2020 13:05

Tgt Ion: 91 Resp: 3694506

Ion Ratio Lower Upper

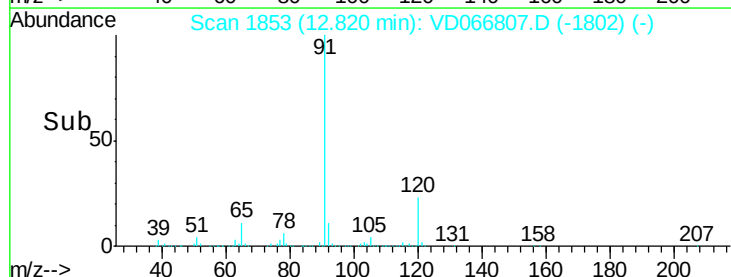
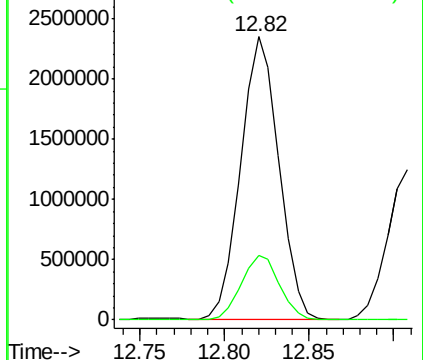
91 100

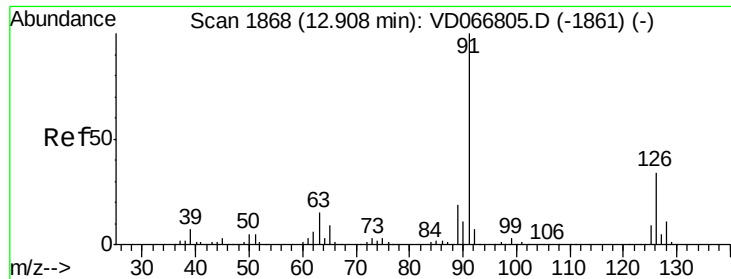
120 22.8 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





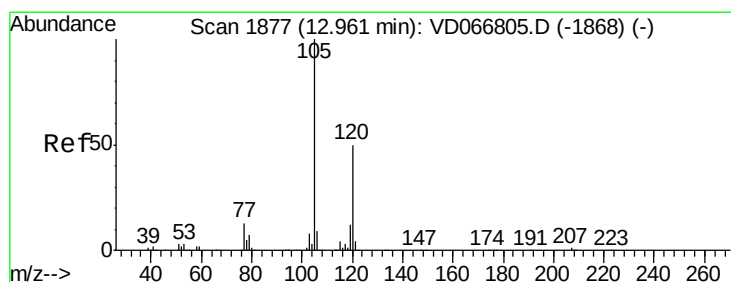
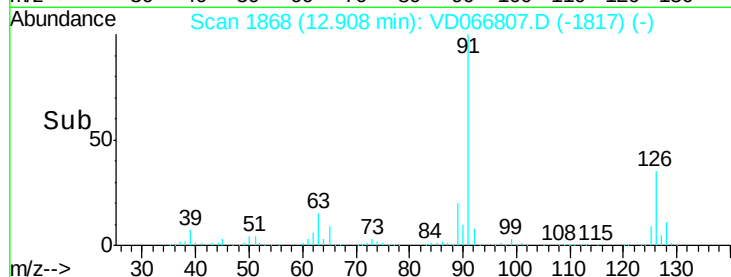
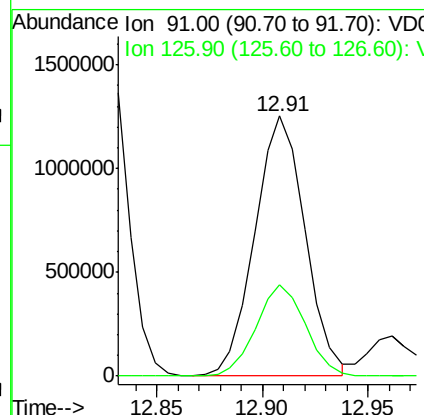
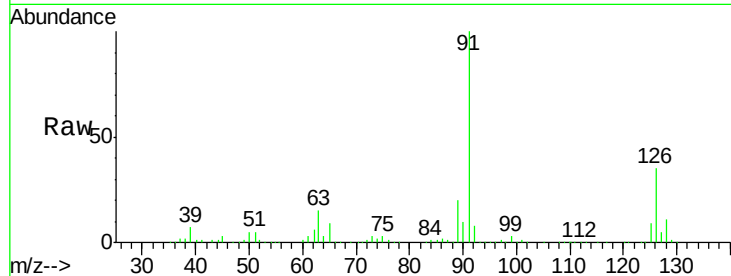
#79
2-Chlorotoluene
Concen: 139.017 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VD066807.D
Acq: 22 Sep 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2070515
Ion Ratio Lower Upper
91 100
126 34.5 17.0 51.0

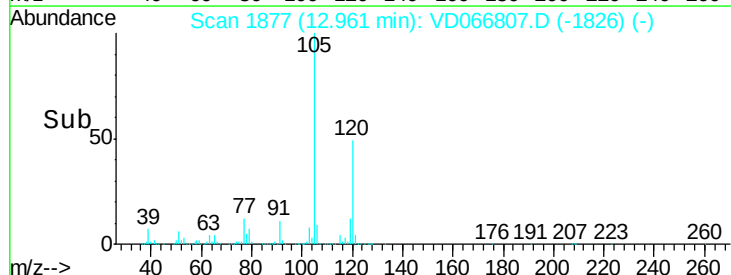
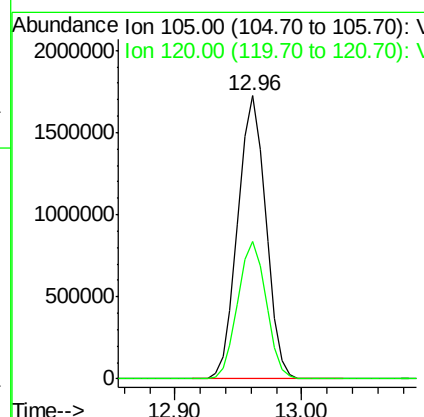
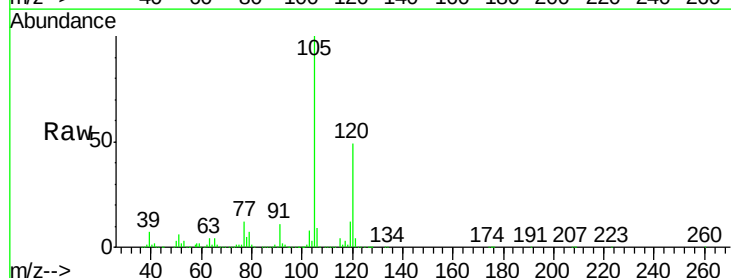
Manual Integrations
APPROVED

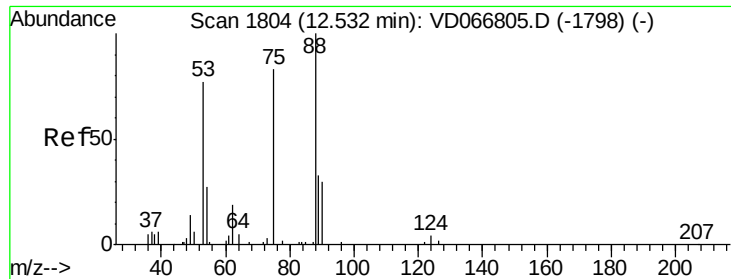
MMDadoda
9/23/2020 1:05:03 PM



#80
1,3,5-Trimethylbenzene
Concen: 144.391 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VD066807.D
Acq: 22 Sep 2020 13:05

Tgt Ion:105 Resp: 2641457
Ion Ratio Lower Upper
105 100
120 49.1 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 137.655 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD066807.D

Acq: 22 Sep 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 157009

Ion Ratio Lower Upper

75 100

53 90.6 78.5 117.7

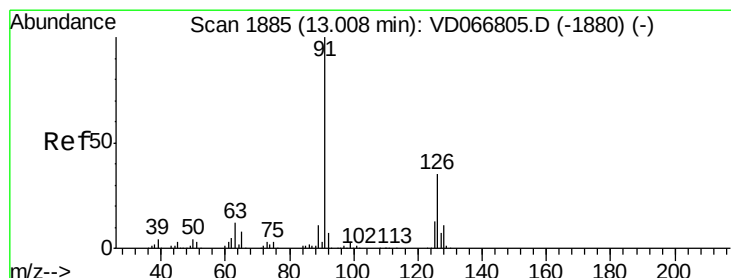
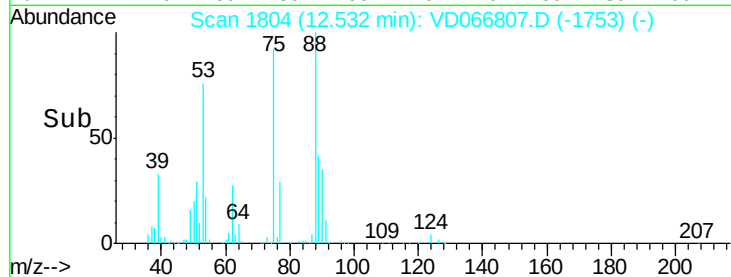
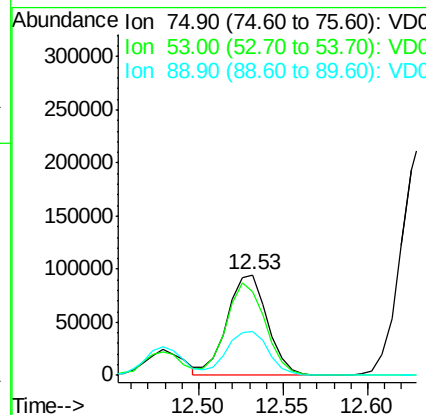
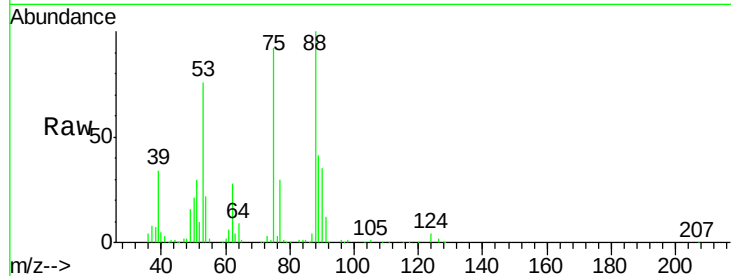
89 45.3 38.1 57.1

Manual Integrations

APPROVED

MMDadoda

9/23/2020 1:05:03 PM



#82

4-Chlorotoluene

Concen: 137.692 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD066807.D

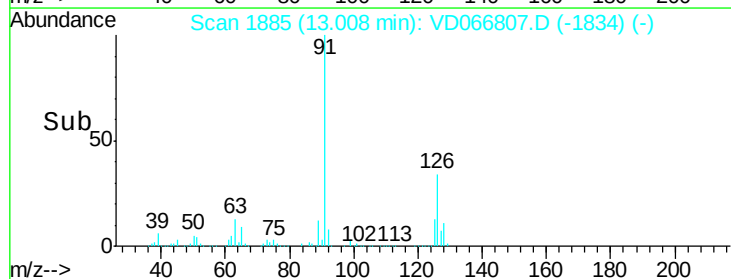
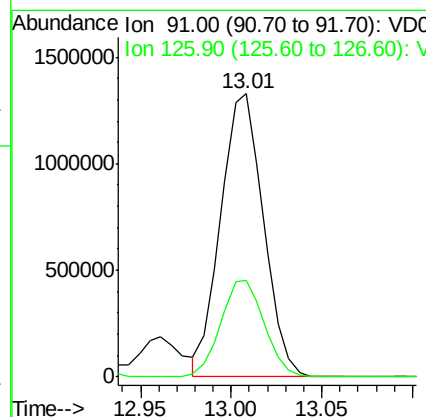
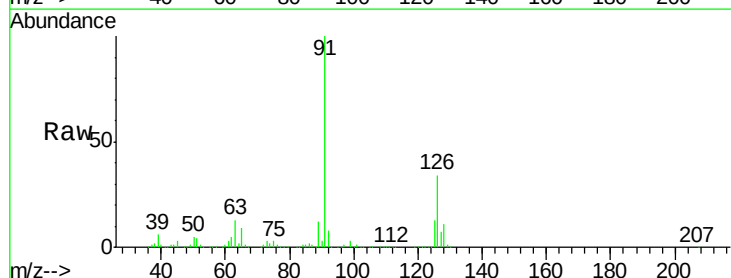
Acq: 22 Sep 2020 13:05

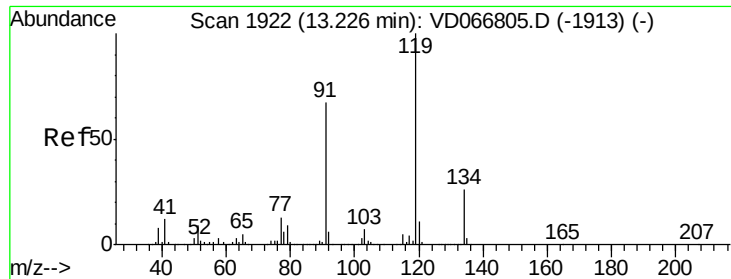
Tgt Ion: 91 Resp: 2174587

Ion Ratio Lower Upper

91 100

126 34.7 17.1 51.2





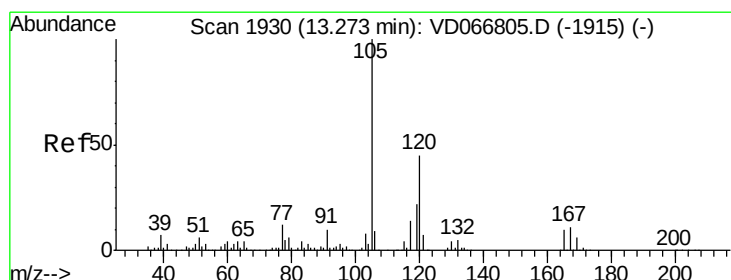
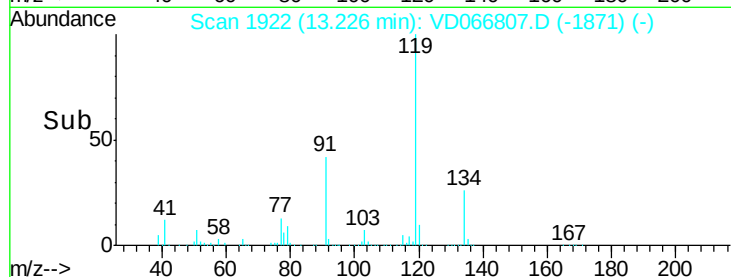
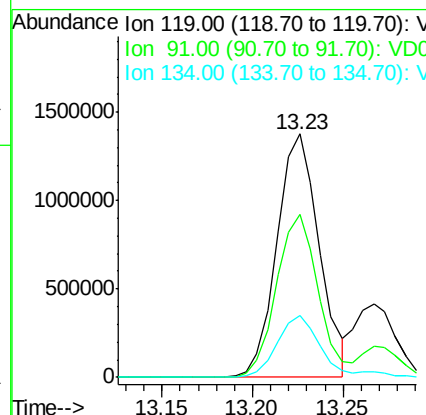
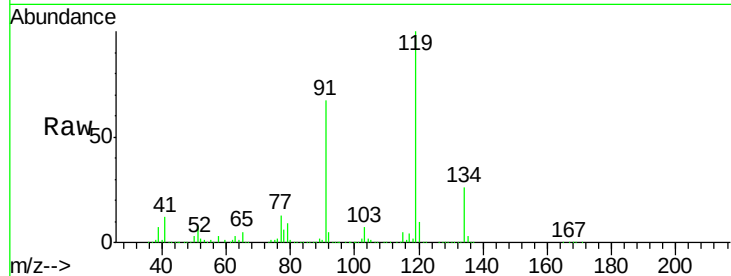
#83
 tert-Butylbenzene
 Concen: 148.695 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD066807.D
 Acq: 22 Sep 2020 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion:119 Resp: 2247226
 Ion Ratio Lower Upper
 119 100
 91 66.5 33.6 100.8
 134 26.8 13.5 40.4

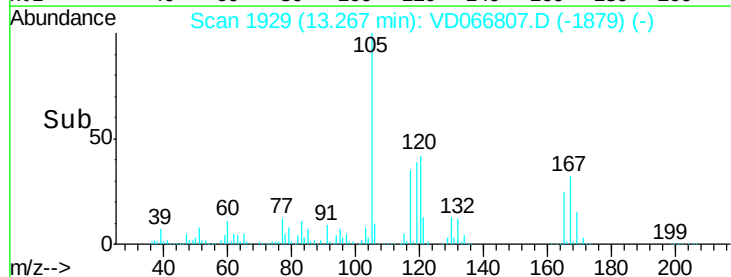
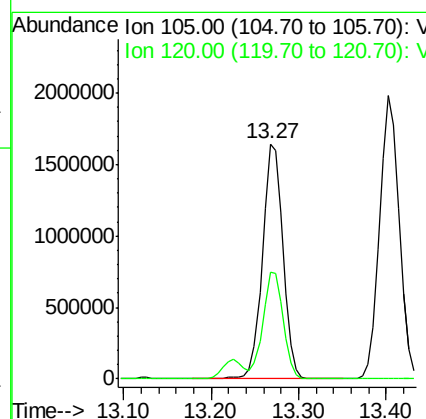
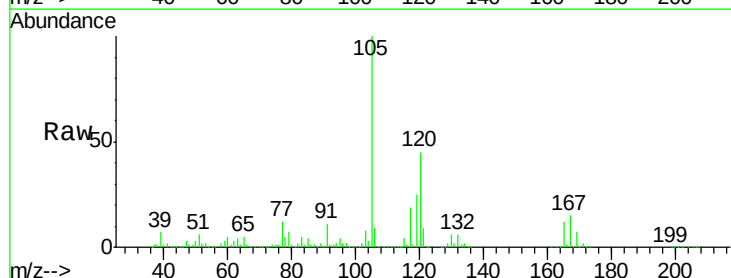
Manual Integrations
 APPROVED

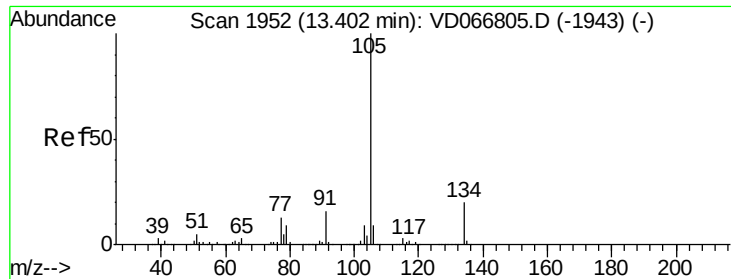
MMDadoda
 9/23/2020 1:05:03 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 144.413 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: VD066807.D
 Acq: 22 Sep 2020 13:05

Tgt Ion:105 Resp: 2641542
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.3 66.9





#85

sec-Butylbenzene

Concen: 143.168 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD066807.D

Acq: 22 Sep 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 3095479

Ion Ratio Lower Upper

105 100

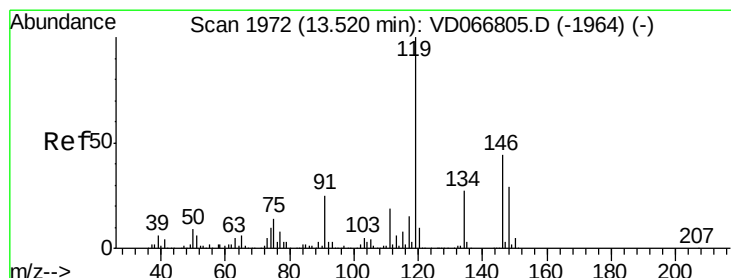
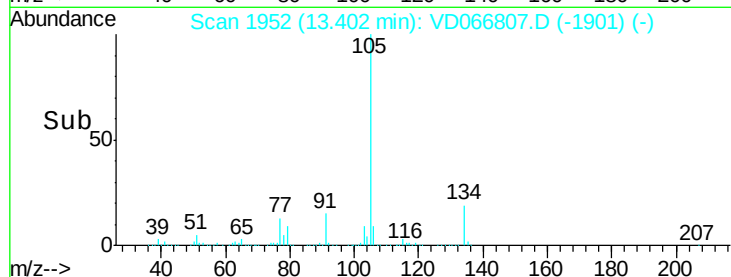
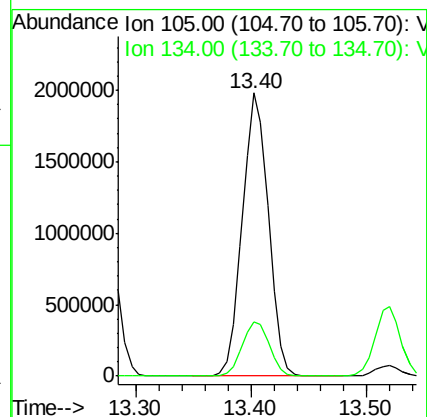
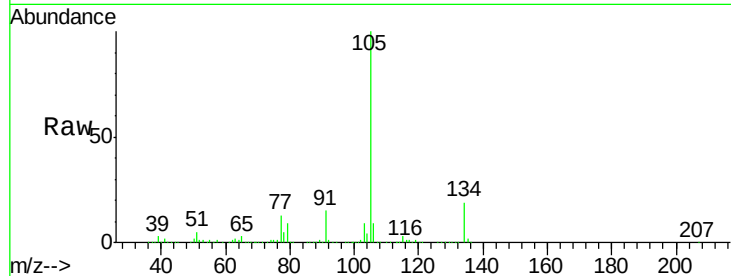
134 20.1 10.2 30.6

Manual Integrations

APPROVED

MMDadoda

9/23/2020 1:05:03 PM



#86

p-Isopropyltoluene

Concen: 147.398 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066807.D

Acq: 22 Sep 2020 13:05

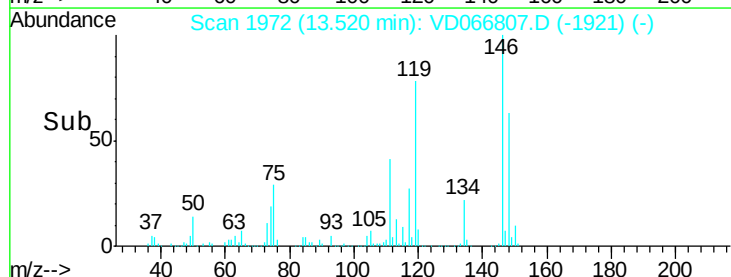
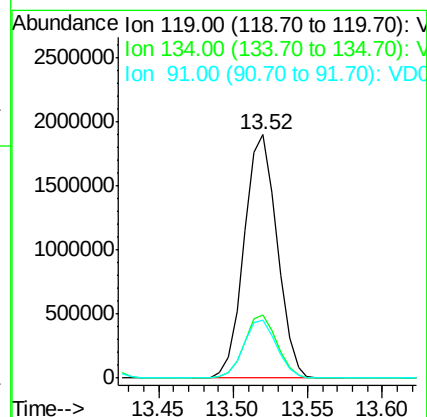
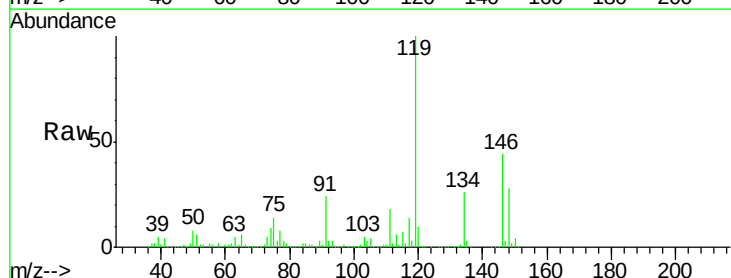
Tgt Ion:119 Resp: 2895401

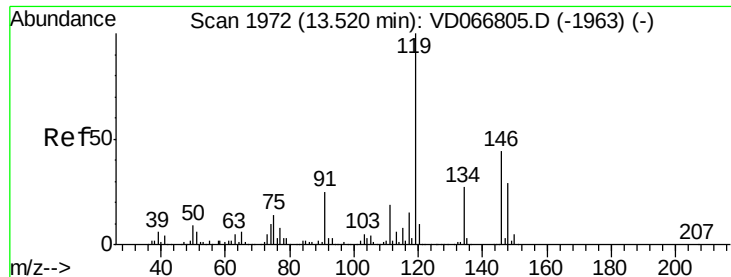
Ion Ratio Lower Upper

119 100

134 25.9 13.0 38.9

91 24.0 12.0 36.1





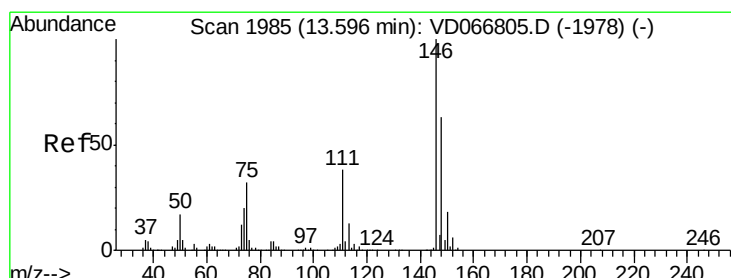
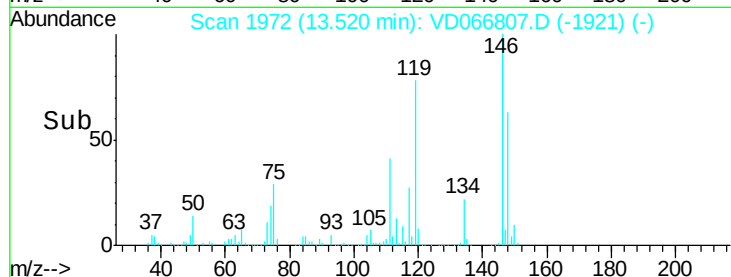
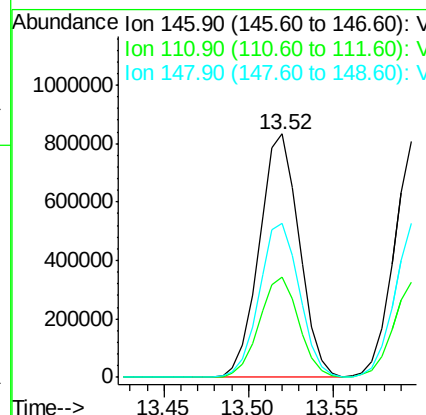
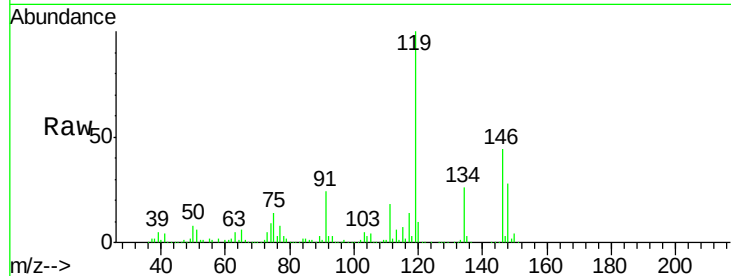
#87
 1,3-Dichlorobenzene
 Concen: 142.356 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066807.D
 Acq: 22 Sep 2020 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 1371108
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.3 60.9
 148 63.5 31.9 95.5

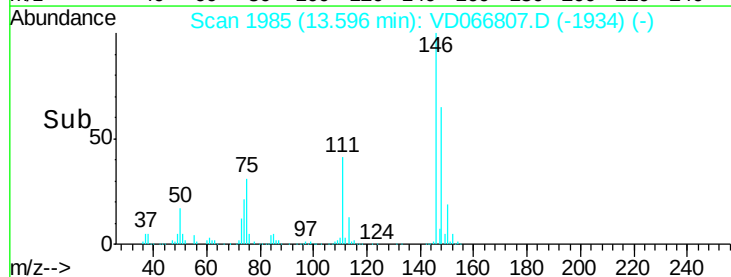
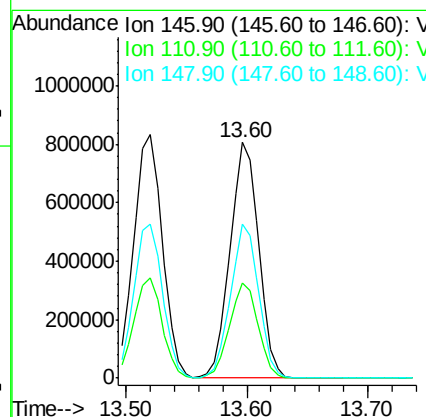
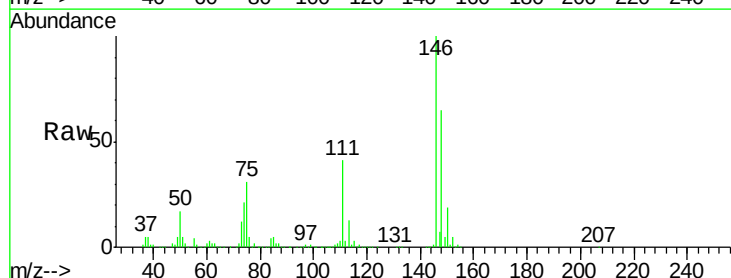
Manual Integrations
 APPROVED

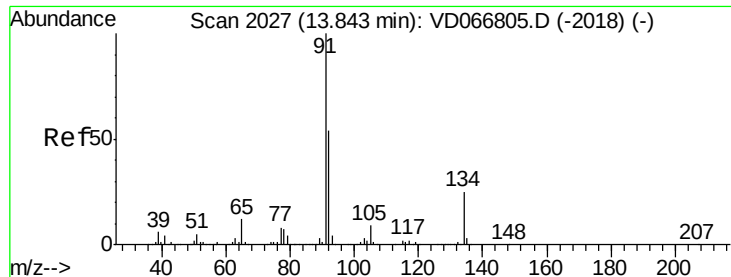
MMDadoda
 9/23/2020 1:05:03 PM



#88
 1,4-Dichlorobenzene
 Concen: 138.062 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD066807.D
 Acq: 22 Sep 2020 13:05

Tgt Ion:146 Resp: 1325368
 Ion Ratio Lower Upper
 146 100
 111 40.2 20.2 60.5
 148 64.2 31.6 94.7





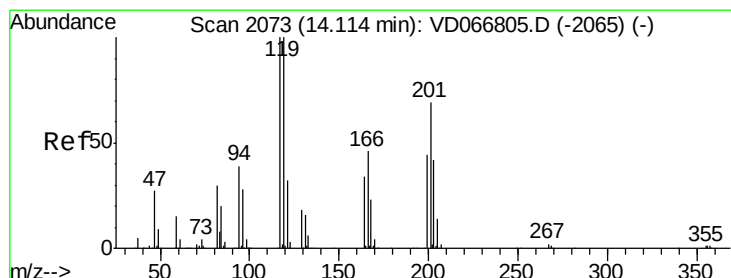
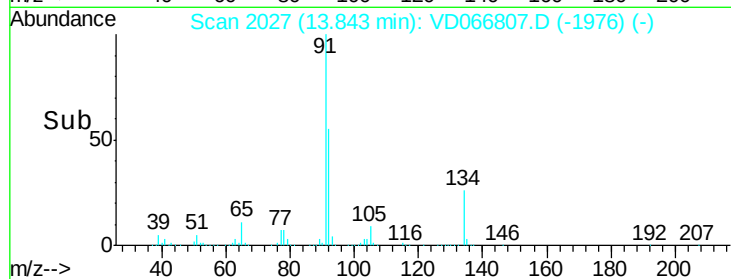
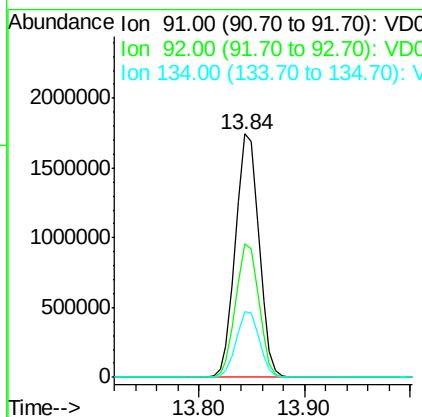
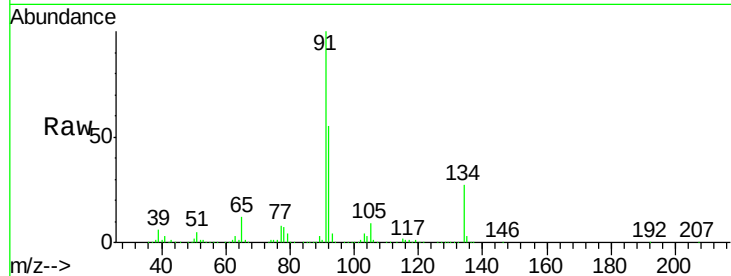
#89
n-Butylbenzene
Concen: 143.331 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VD066807.D
Acq: 22 Sep 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2667077
Ion Ratio Lower Upper
91 100
92 54.4 26.7 80.0
134 26.7 13.1 39.1

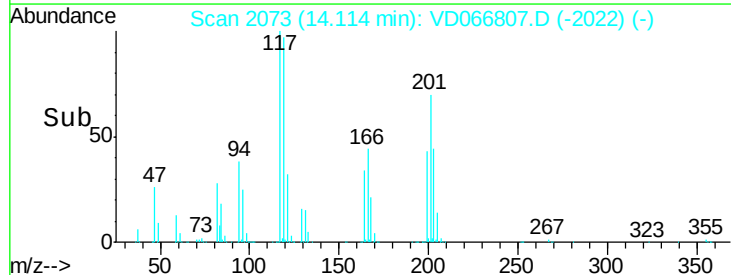
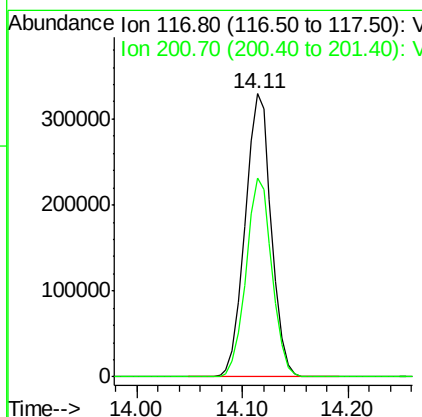
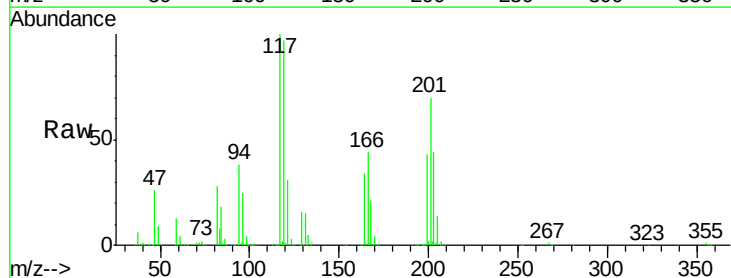
Manual Integrations
APPROVED

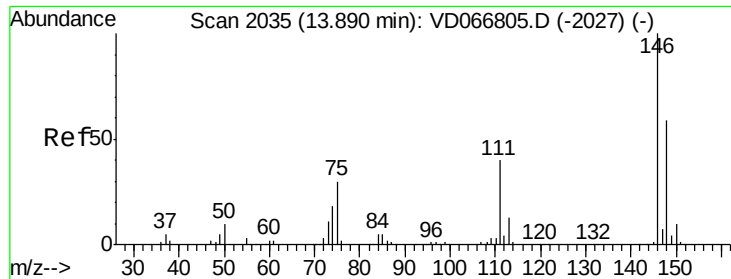
MMDadoda
9/23/2020 1:05:03 PM



#90
Hexachloroethane
Concen: 140.496 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066807.D
Acq: 22 Sep 2020 13:05

Tgt Ion: 117 Resp: 564339
Ion Ratio Lower Upper
117 100
201 69.6 33.7 101.0





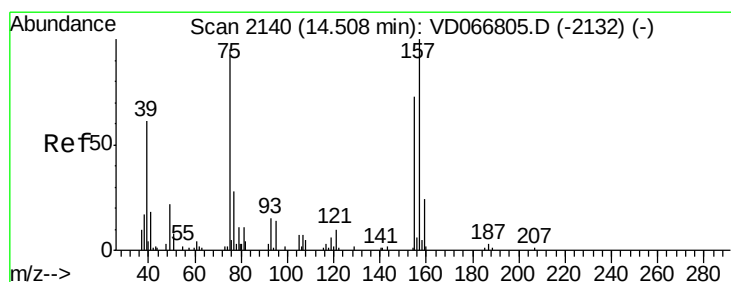
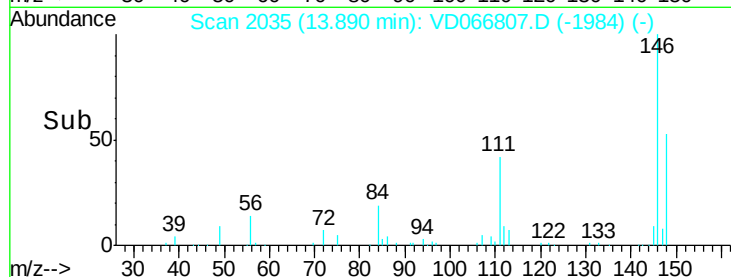
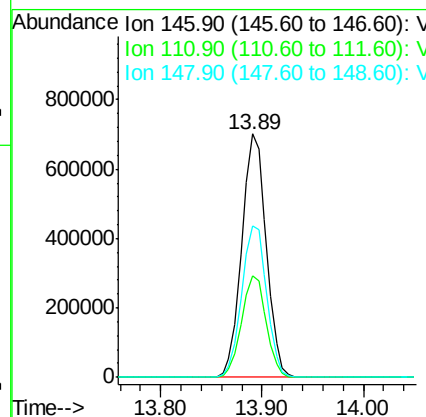
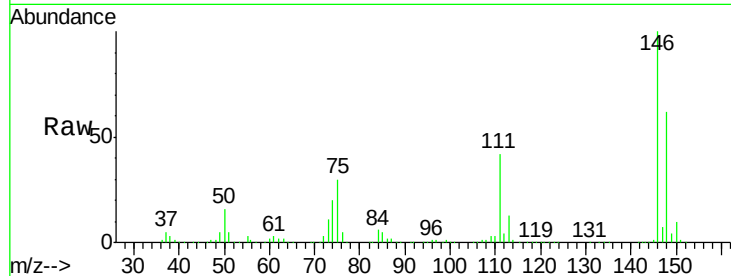
#91
 1,2-Dichlorobenzene
 Concen: 141.872 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD066807.D
 Acq: 22 Sep 2020 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 1171675
 Ion Ratio Lower Upper
 146 100
 111 42.1 20.9 62.7
 148 63.9 31.8 95.3

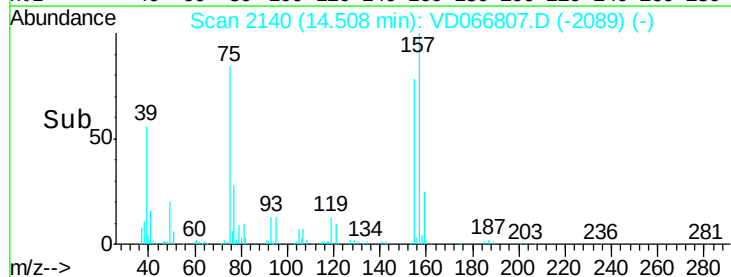
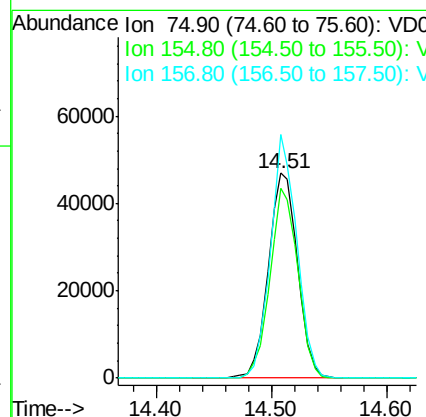
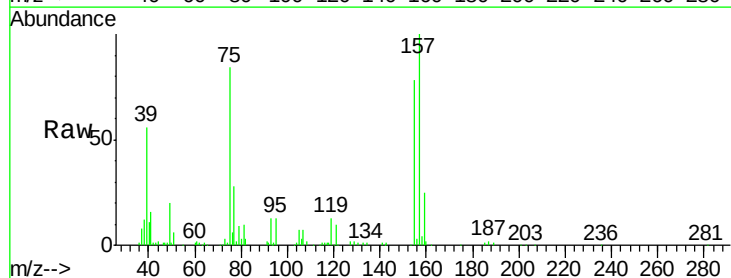
Manual Integrations
 APPROVED

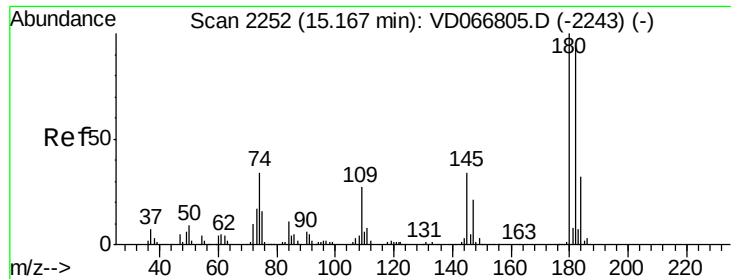
MMDadoda
 9/23/2020 1:05:03 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 138.595 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD066807.D
 Acq: 22 Sep 2020 13:05

Tgt Ion: 75 Resp: 82532
 Ion Ratio Lower Upper
 75 100
 155 88.4 40.4 121.2
 157 107.5 51.3 153.9





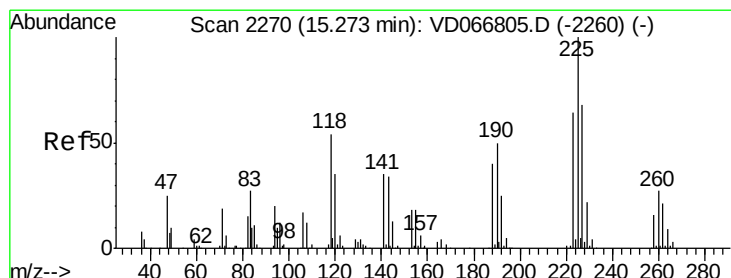
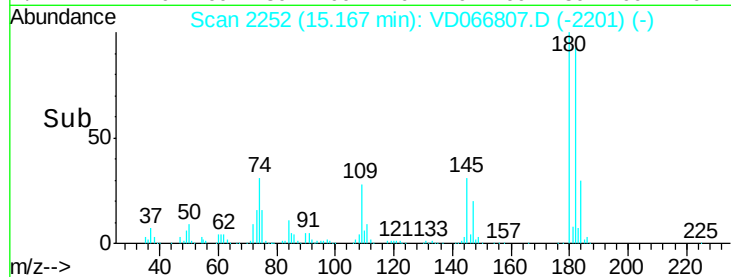
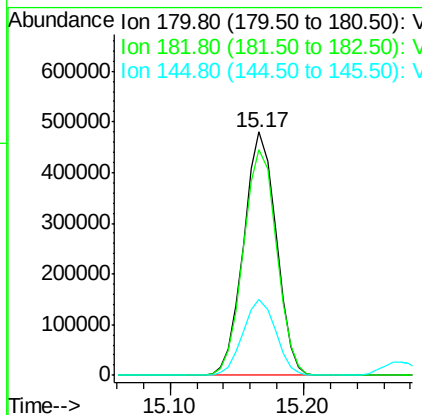
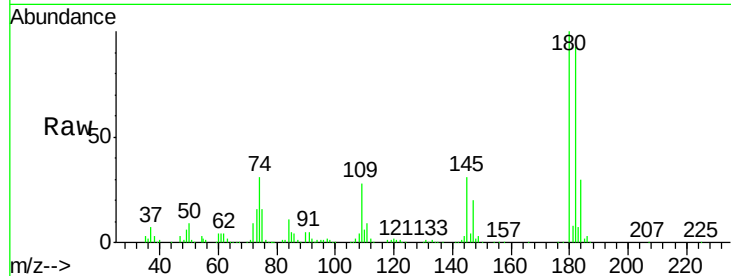
#93
 1,2,4-Trichlorobenzene
 Concen: 162.107 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066807.D
 Acq: 22 Sep 2020 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.7	48.8	146.3	
145	31.6	16.7	50.0	

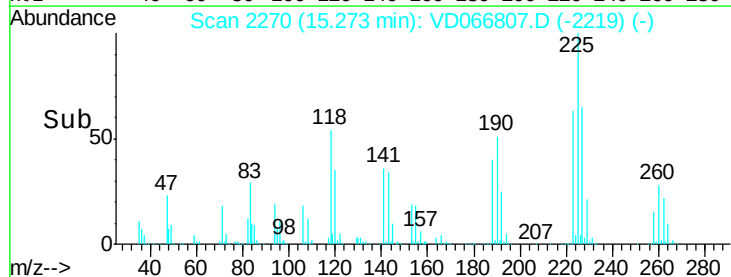
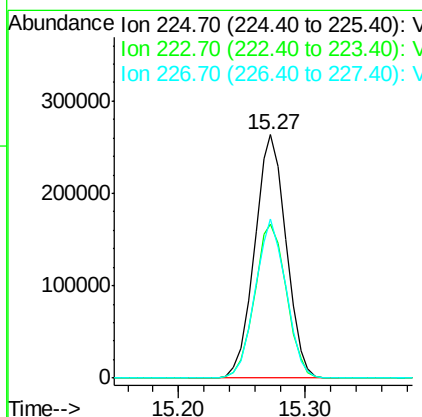
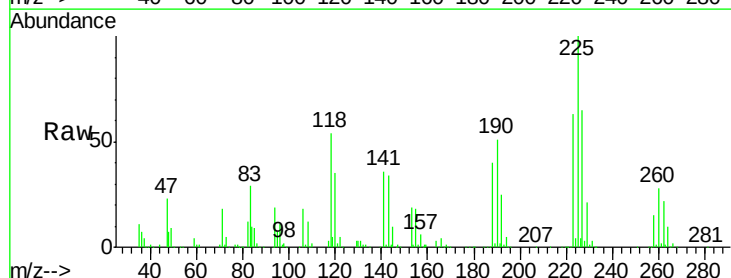
Manual Integrations
 APPROVED

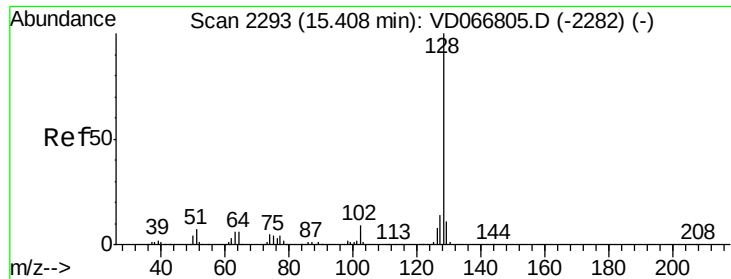
MMDadoda
 9/23/2020 1:05:03 PM



#94
 Hexachlorobutadiene
 Concen: 150.935 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066807.D
 Acq: 22 Sep 2020 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.1	31.1	93.3	
227	63.7	31.7	95.1	





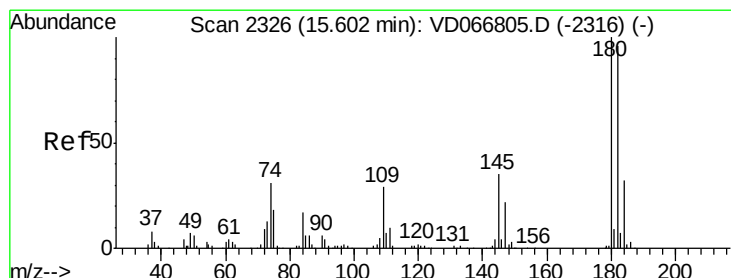
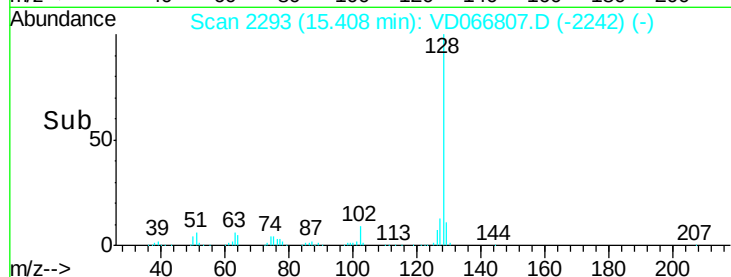
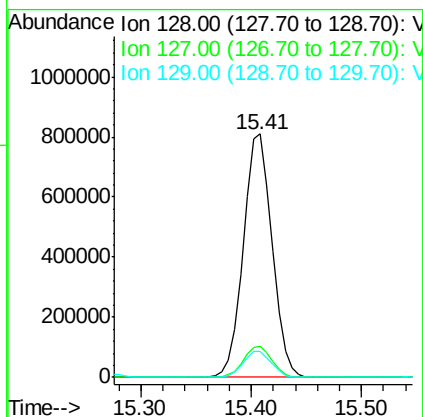
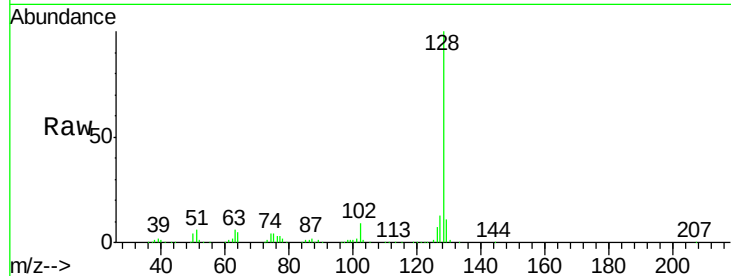
#95
Naphthalene
Concen: 167.842 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066807.D
Acq: 22 Sep 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	16.0
129	10.6	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
9/23/2020 1:05:03 PM



#96
1,2,3-Trichlorobenzene
Concen: 158.005 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066807.D
Acq: 22 Sep 2020 13:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	46.8	140.3
145	33.9	17.0	51.0

