

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062320\
 Data File : VD065854.D
 Acq On : 23 Jun 2020 12:31
 Operator : VA/SY
 Sample : VD0623SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0623SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/24/2020 10:52:35 AM

Quant Time: Jun 24 05:41:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 13:07:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	191017	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	304719	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	279822	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	140981	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	103813	55.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.00%	
35) Dibromofluoromethane	7.91	113	103443	53.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.48%	
50) Toluene-d8	10.34	98	399734	55.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.38%	
62) 4-Bromofluorobenzene	12.64	95	135175	55.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	34037	24.479	ug/l	95
3) Chloromethane	2.21	50	58724	24.521	ug/l	100
4) Vinyl Chloride	2.35	62	70264	24.932	ug/l	97
5) Bromomethane	2.76	94	49178	24.952	ug/l	94
6) Chloroethane	2.92	64	44643	23.428	ug/l	99
7) Trichlorofluoromethane	3.27	101	74681	23.389	ug/l	93
8) Diethyl Ether	3.70	74	19377	23.082	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	43115	22.645	ug/l	99
10) Methyl Iodide	4.30	142	38482	20.756	ug/l	100
11) Tert butyl alcohol	5.20	59	15135m	125.308	ug/l	
12) 1,1-Dichloroethene	4.07	96	39903	22.995	ug/l	94
13) Acrolein	3.93	56	7879	74.318	ug/l	97
14) Allyl chloride	4.71	41	65223	22.741	ug/l	98
15) Acrylonitrile	5.43	53	40744	106.862	ug/l	99
16) Acetone	4.16	43	40603	114.039	ug/l	91
17) Carbon Disulfide	4.41	76	128222	22.015	ug/l	95
18) Methyl Acetate	4.71	43	21166	24.504	ug/l #	74
19) Methyl tert-butyl Ether	5.47	73	86346	21.968	ug/l	95
20) Methylene Chloride	4.97	84	57594	28.551	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	45232	22.257	ug/l	92
22) Diisopropyl ether	6.36	45	131421	22.678	ug/l	95
23) Vinyl Acetate	6.30	43	356906	109.066	ug/l	99
24) 1,1-Dichloroethane	6.27	63	79404	22.488	ug/l	98
25) 2-Butanone	7.21	43	53973	109.764	ug/l #	86
26) 2,2-Dichloropropane	7.21	77	70214	22.427	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	49991	22.868	ug/l	98
28) Bromochloromethane	7.54	49	30603	22.441	ug/l	97
29) Tetrahydrofuran	7.56	42	32967	106.080	ug/l	97
30) Chloroform	7.71	83	82052	22.419	ug/l	99
31) Cyclohexane	7.98	56	75948	22.437	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	77107	22.913	ug/l	99
36) 1,1-Dichloropropene	8.11	75	65282	22.365	ug/l	100
37) Ethyl Acetate	7.29	43	23932	20.815	ug/l	97
38) Carbon Tetrachloride	8.10	117	68761	22.383	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062320\
 Data File : VD065854.D
 Acq On : 23 Jun 2020 12:31
 Operator : VA/SY
 Sample : VD0623SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0623SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/24/2020 10:52:35 AM

Quant Time: Jun 24 05:41:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 13:07:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	75340	21.800	ug/l	97
40) Benzene	8.35	78	175777	22.027	ug/l	96
41) Methacrylonitrile	7.52	41	16200m	23.663	ug/l	
42) 1,2-Dichloroethane	8.43	62	51492	21.386	ug/l	99
43) Isopropyl Acetate	8.46	43	46986	20.551	ug/l	99
44) Trichloroethene	9.11	130	48569	21.871	ug/l	94
45) 1,2-Dichloropropane	9.38	63	43111	21.501	ug/l	96
46) Dibromomethane	9.47	93	23849	21.931	ug/l	95
47) Bromodichloromethane	9.66	83	63540	21.805	ug/l	95
48) Methyl methacrylate	9.46	41	23724	21.437	ug/l	94
49) 1,4-Dioxane	9.47	88	5022	433.875	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	116455	103.948	ug/l	99
52) Toluene	10.40	92	114706	22.122	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	58231	22.067	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	68243	21.897	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	31748	21.850	ug/l	92
56) Ethyl methacrylate	10.67	69	36040	21.088	ug/l	99
57) 1,3-Dichloropropane	10.95	76	53593	21.289	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	76409	96.164	ug/l	100
59) 2-Hexanone	10.98	43	80220	106.209	ug/l	99
60) Dibromochloromethane	11.14	129	40690	20.730	ug/l	98
61) 1,2-Dibromoethane	11.25	107	29297	20.517	ug/l	97
64) Tetrachloroethene	10.88	164	40686	21.502	ug/l	99
65) Chlorobenzene	11.67	112	117048	21.426	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	44859	22.030	ug/l	98
67) Ethyl Benzene	11.75	91	215940	22.128	ug/l	99
68) m/p-Xylenes	11.86	106	165196	43.947	ug/l	99
69) o-Xylene	12.18	106	75559	22.294	ug/l	100
70) Styrene	12.20	104	128958	21.980	ug/l	98
71) Bromoform	12.36	173	23368	20.840	ug/l #	99
73) Isopropylbenzene	12.48	105	207059	21.906	ug/l	98
74) N-amyl acetate	12.29	43	44499	21.161	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	34618	21.686	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	24693m	22.521	ug/l	
77) Bromobenzene	12.77	156	48135	21.523	ug/l	95
78) n-propylbenzene	12.83	91	252338	22.178	ug/l	99
79) 2-Chlorotoluene	12.91	91	136985	21.947	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	174264	22.154	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	10709	21.103	ug/l	97
82) 4-Chlorotoluene	13.01	91	147835	22.066	ug/l	100
83) tert-Butylbenzene	13.23	119	148564	21.767	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	175828	22.333	ug/l	98
85) sec-Butylbenzene	13.41	105	212926	22.417	ug/l	99
86) p-Isopropyltoluene	13.52	119	193858	22.268	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	94285	21.382	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	93425	21.299	ug/l	98
89) n-Butylbenzene	13.85	91	184361	22.204	ug/l	98
90) Hexachloroethane	14.12	117	37936	21.770	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	81623	21.508	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5923	22.295	ug/l	85

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062320\
Data File : VD065854.D
Acq On : 23 Jun 2020 12:31
Operator : VA/SY
Sample : VD0623SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0623SBSD01

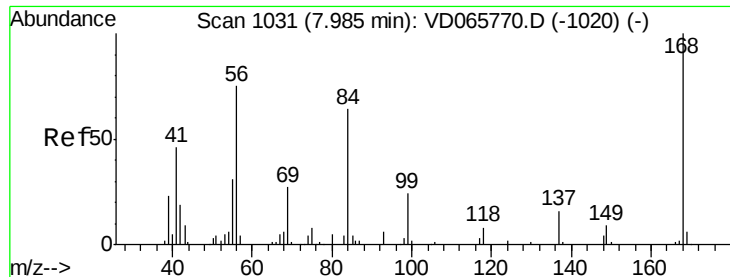
Manual Integrations
APPROVED

MMDadoda
6/24/2020 10:52:35 AM

Quant Time: Jun 24 05:41:44 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 05 13:07:30 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	53398	20.694	ug/l	99
94) Hexachlorobutadiene	15.28	225	31434	20.152	ug/l	98
95) Naphthalene	15.41	128	84252	19.276	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	45407	20.432	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0623SBS01

Tot Ion:168 Resp: 191017

Ion Ratio Lower Upper

168 100

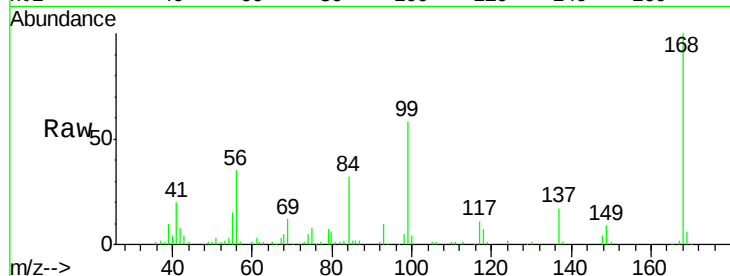
99 57.2 45.3 67.9

Manual Integrations

APPROVED

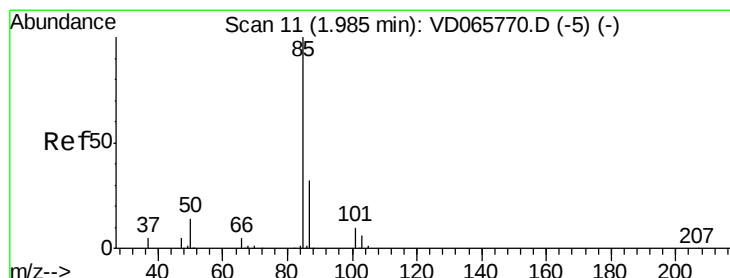
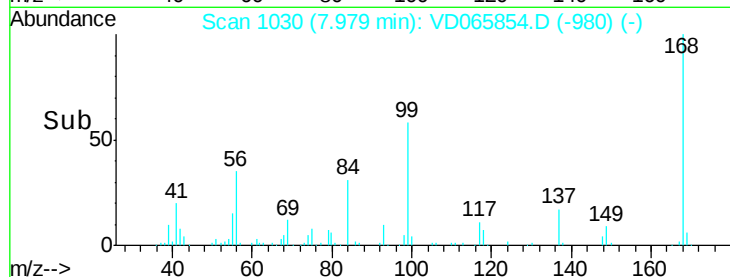
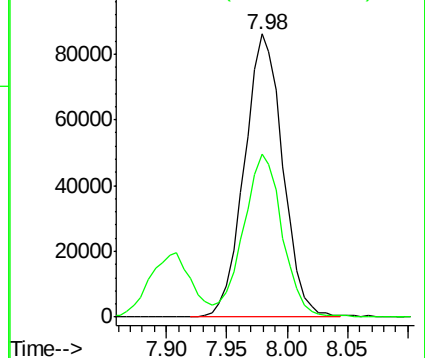
MMDadoda

6/24/2020 10:52:35 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 24.479 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065854.D

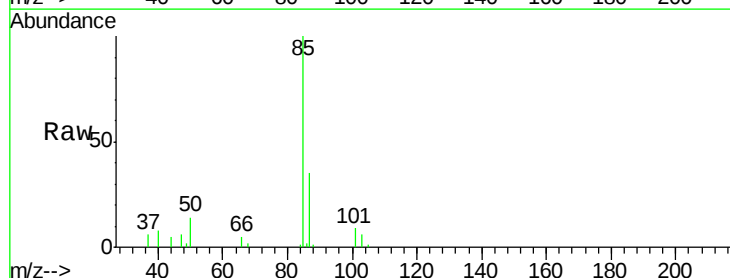
Acq: 23 Jun 2020 12:31

Tgt Ion: 85 Resp: 34037

Ion Ratio Lower Upper

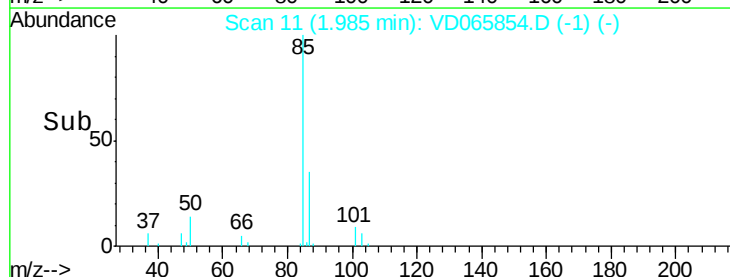
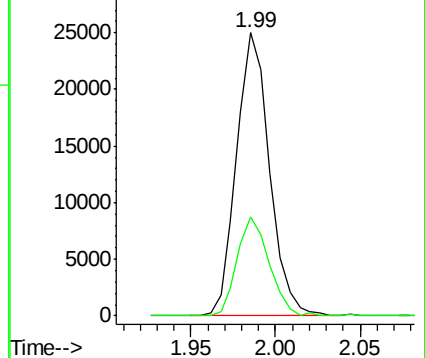
85 100

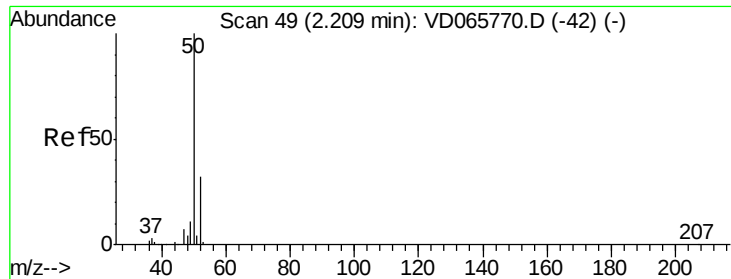
87 35.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 24.521 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0623SBSD01

Tot Ion: 50 Resp: 58724

Ion Ratio Lower Upper

50 100

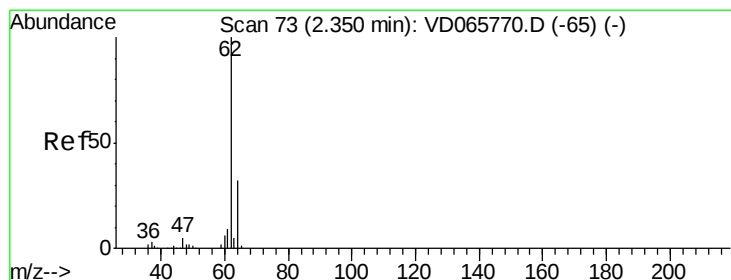
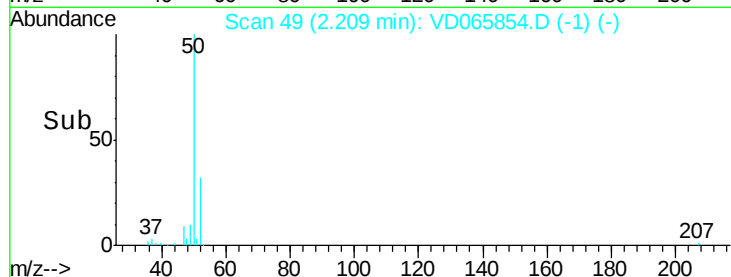
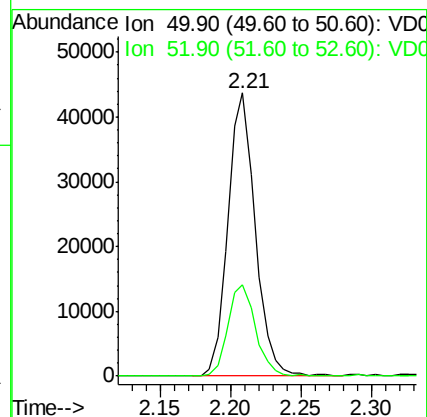
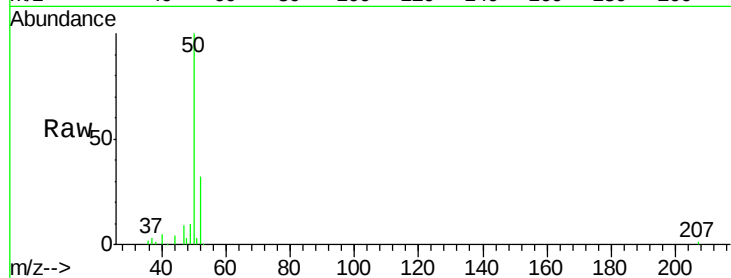
52 32.1 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

6/24/2020 10:52:35 AM



#4

Vinyl Chloride

Concen: 24.932 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065854.D

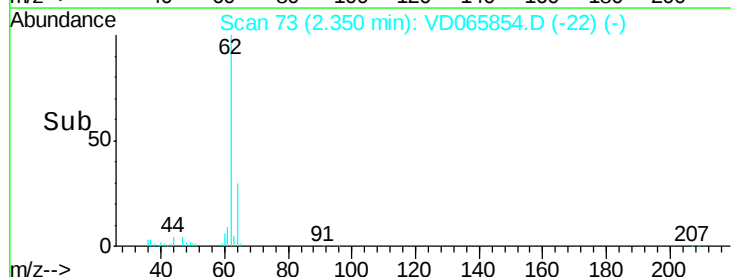
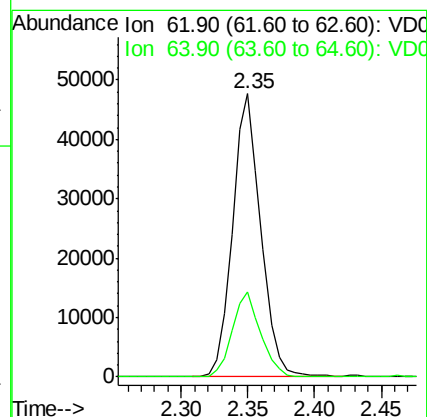
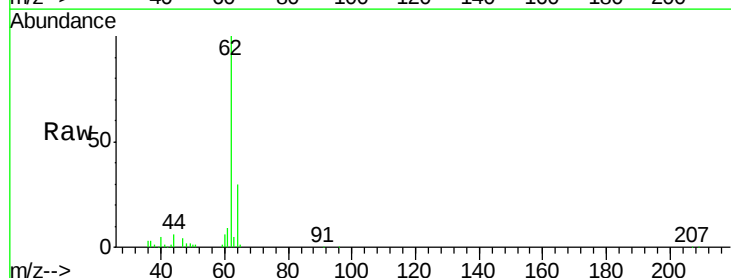
Acq: 23 Jun 2020 12:31

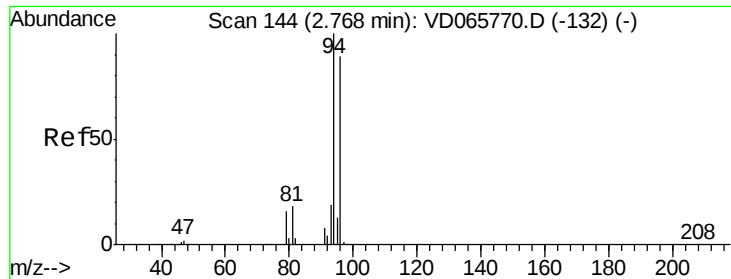
Tgt Ion: 62 Resp: 70264

Ion Ratio Lower Upper

62 100

64 30.2 25.3 37.9





#5

Bromomethane

Concen: 24.952 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0623SBSD01

Tot Ion: 94 Resp: 49178

Ion Ratio Lower Upper

94 100

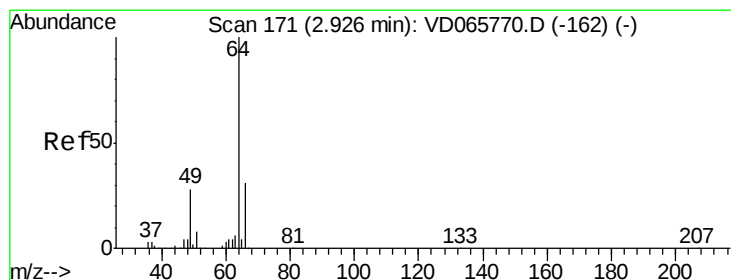
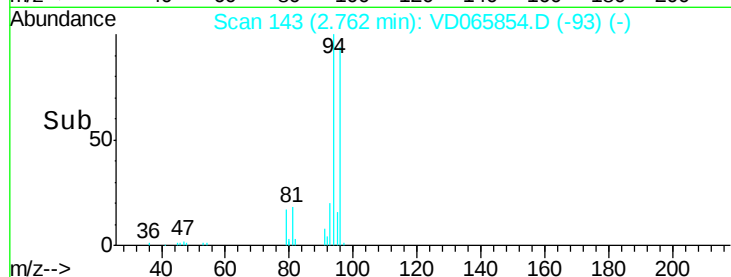
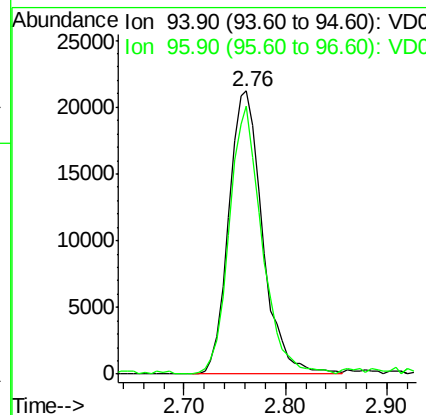
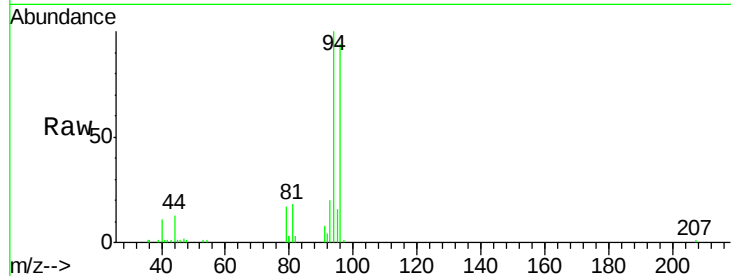
96 94.5 71.4 107.0

Manual Integrations

APPROVED

MMDadoda

6/24/2020 10:52:35 AM



#6

Chloroethane

Concen: 23.428 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065854.D

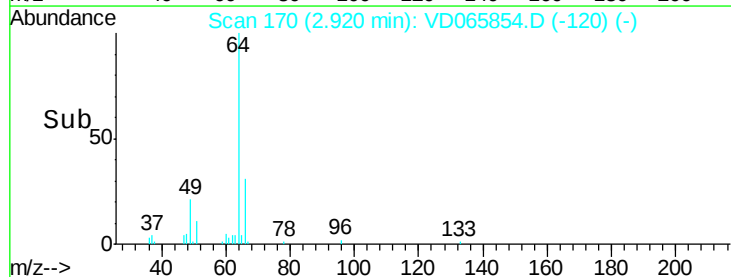
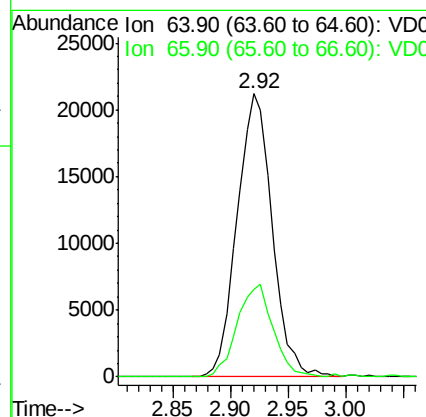
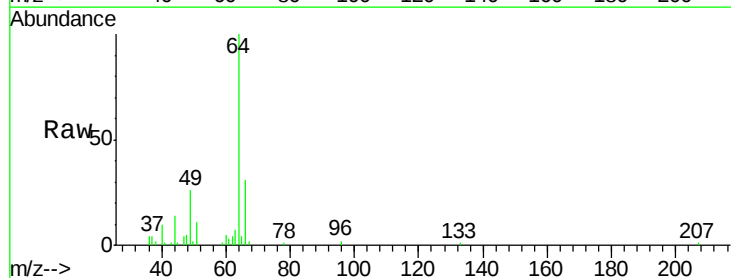
Acq: 23 Jun 2020 12:31

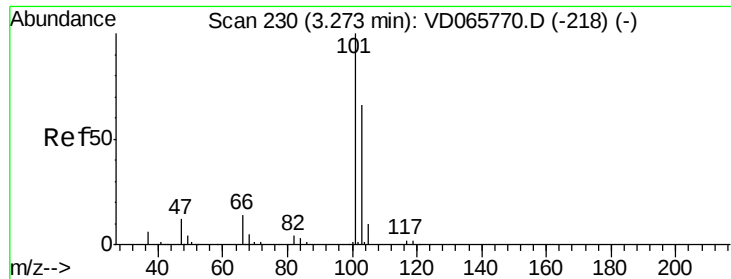
Tgt Ion: 64 Resp: 44643

Ion Ratio Lower Upper

64 100

66 30.9 24.5 36.7





#7

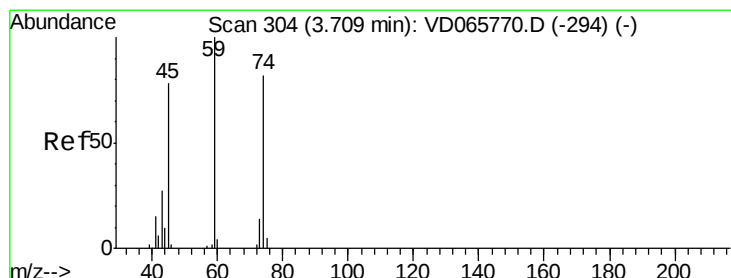
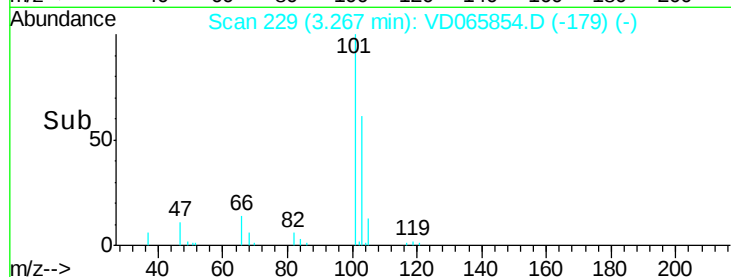
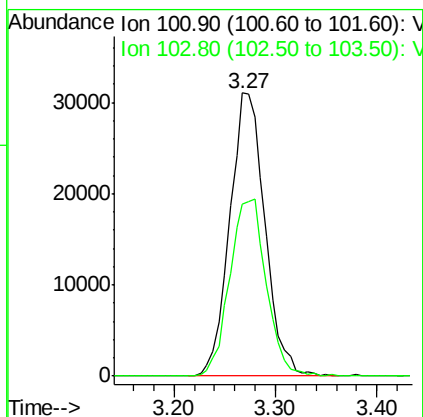
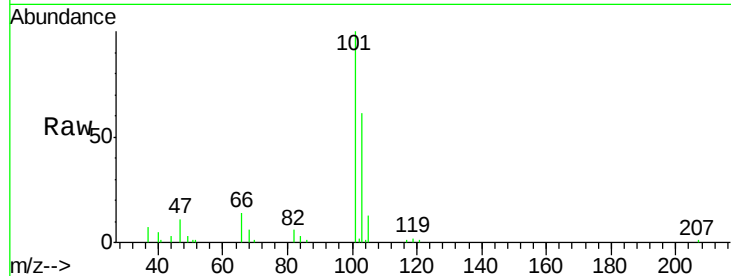
Trichlorofluoromethane
 Concen: 23.389 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065854.D
 Acq: 23 Jun 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0623SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.7	53.1	79.7

Manual Integrations
 APPROVED

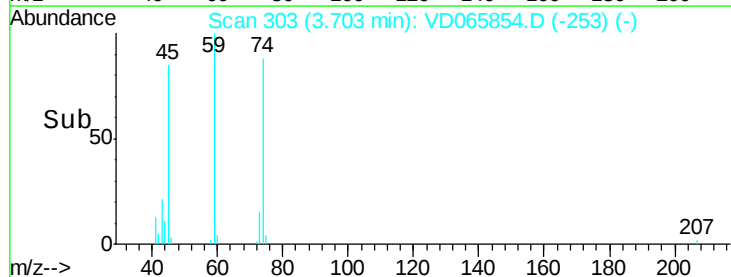
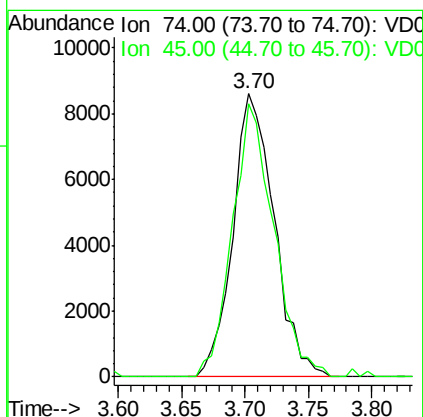
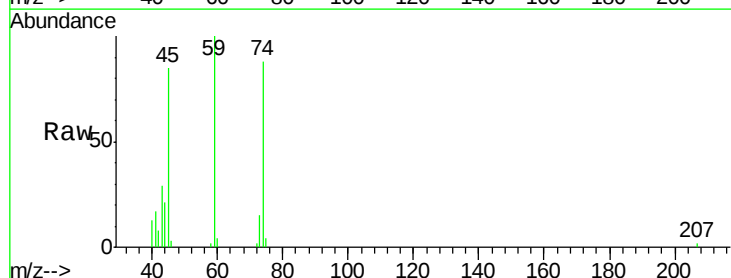
MMDadoda
 6/24/2020 10:52:35 AM

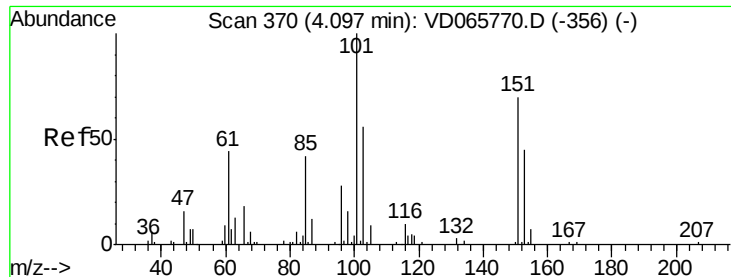


#8

Diethyl Ether
 Concen: 23.082 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065854.D
 Acq: 23 Jun 2020 12:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.2	47.9	143.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.645 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

Instrument :

MSVOA_D

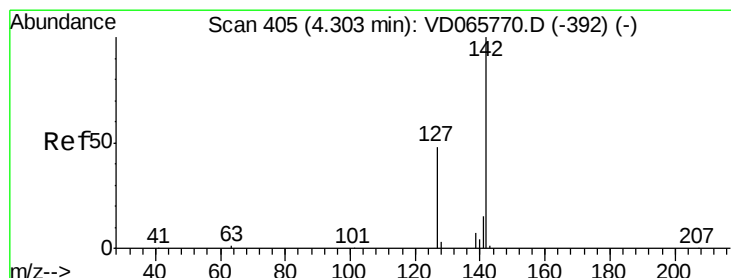
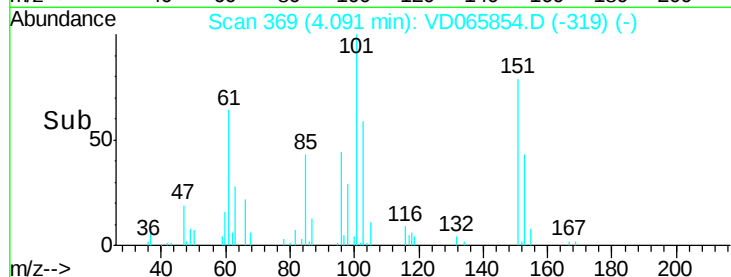
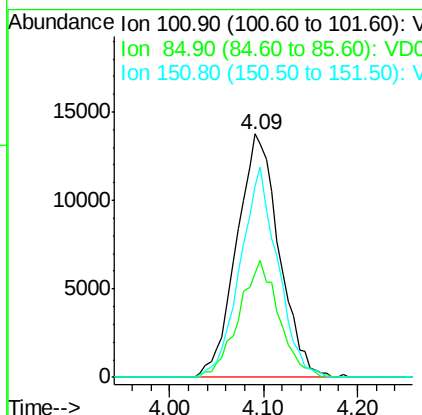
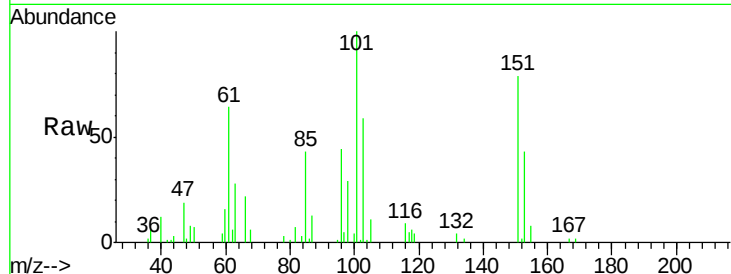
ClientSampleId :

VD0623SBSD01

Tot Ion:	101	Resp:	43115
Ion Ratio	Lower	Upper	
101	100		
85	45.5	36.5	54.7
151	76.1	61.8	92.6

Manual Integrations
APPROVED

MMDadoda
6/24/2020 10:52:35 AM



#10

Methyl Iodide

Concen: 20.756 ug/l

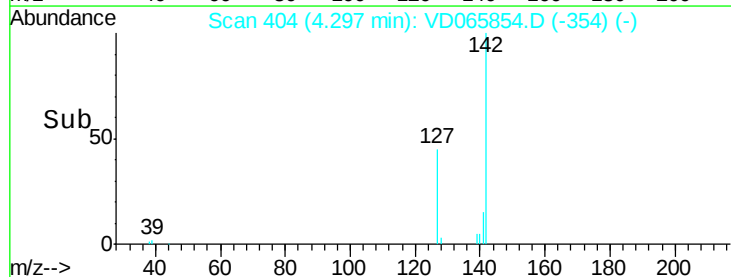
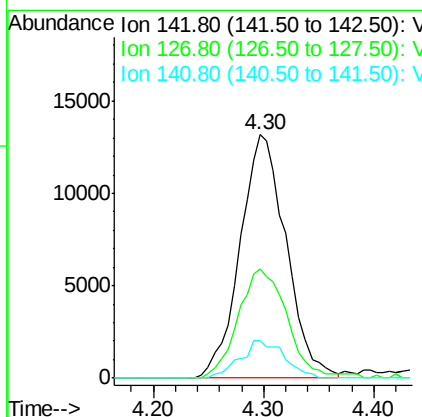
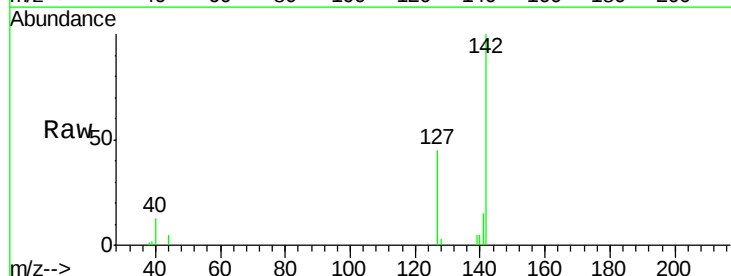
RT: 4.30 min Scan# 404

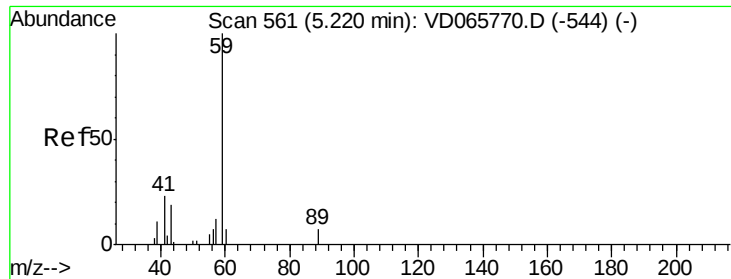
Delta R.T. -0.01 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

Tgt Ion:	142	Resp:	38482
Ion Ratio	Lower	Upper	
142	100		
127	47.0	37.6	56.4
141	14.8	12.1	18.1





#11

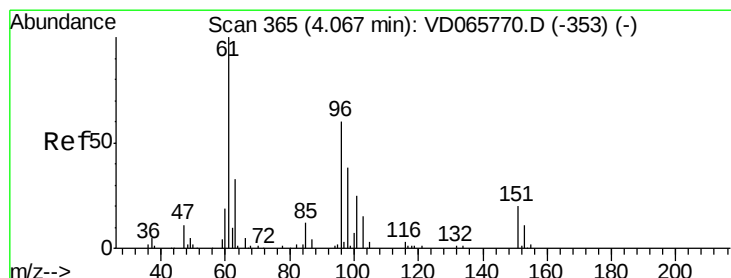
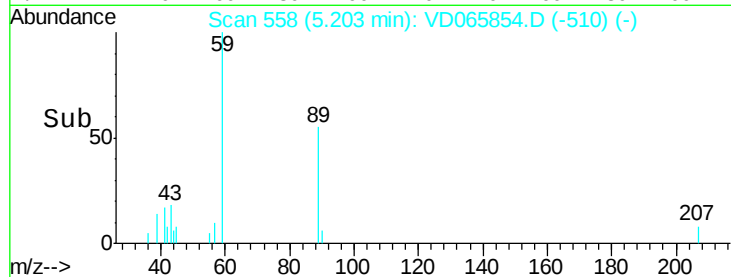
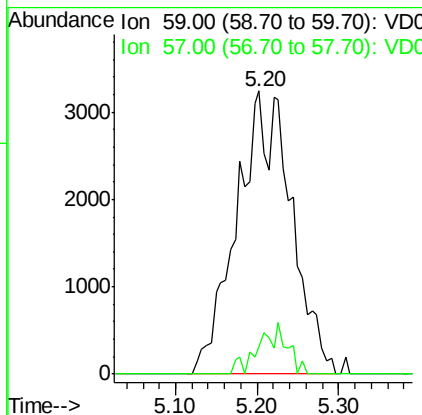
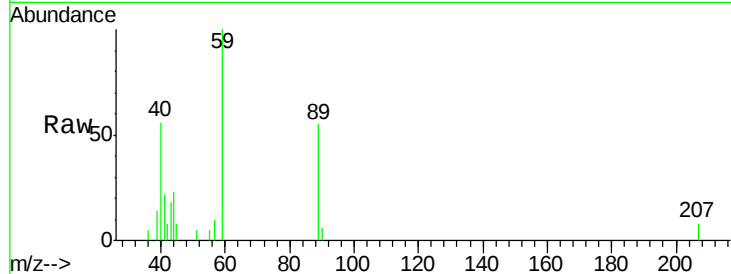
Tert butyl alcohol
Concen: 125.308 ug/l m
RT: 5.20 min Scan# 558
Delta R.T. -0.02 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0623SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.5	11.3#

Manual Integrations
APPROVED

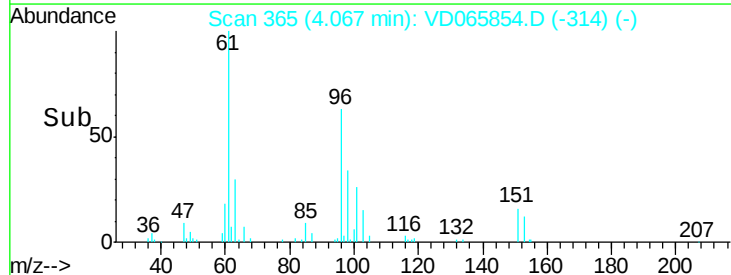
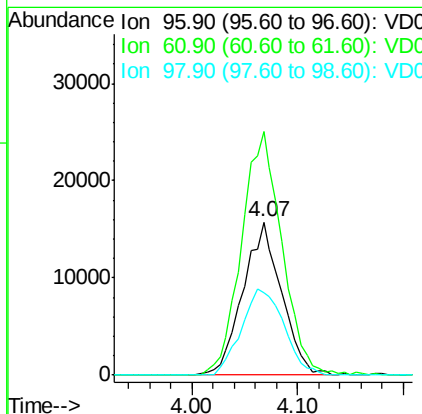
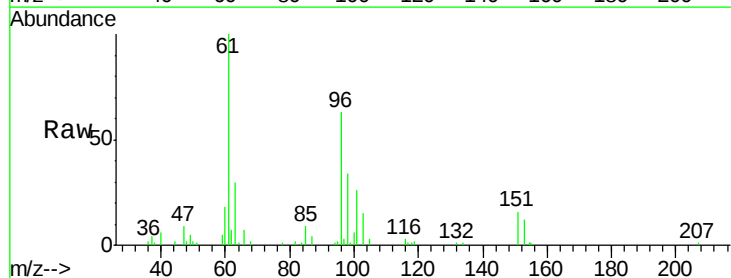
MMDadoda
6/24/2020 10:52:35 AM



#12

1,1-Dichloroethene
Concen: 22.995 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.4	132.3	198.5
98	54.3	50.7	76.1





#13

Acrolein

Concen: 74.318 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0623SBS01

Tot Ion: 56 Resp: 7879

Ion Ratio Lower Upper

56 100

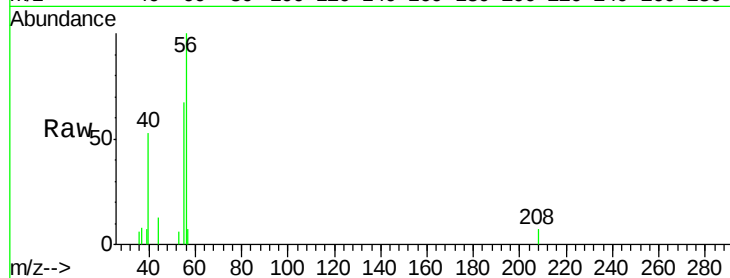
55 70.5 54.8 82.2

Manual Integrations

APPROVED

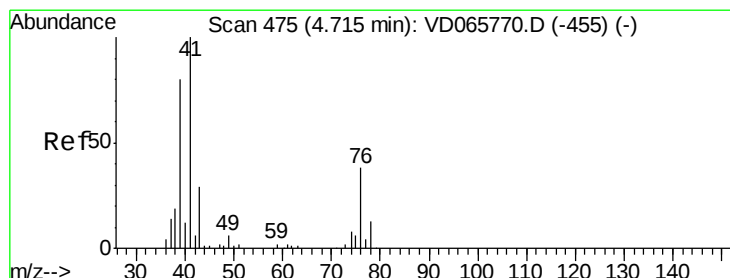
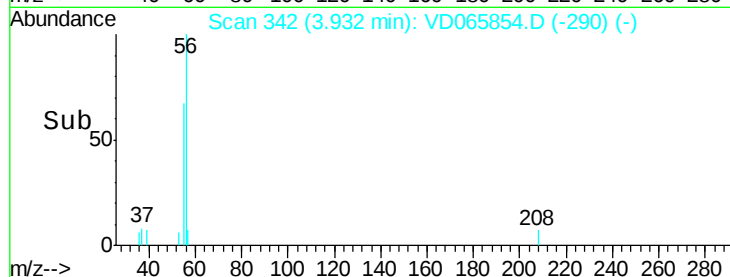
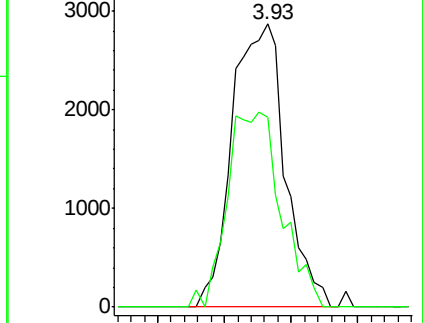
MMDadoda

6/24/2020 10:52:35 AM



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 22.741 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

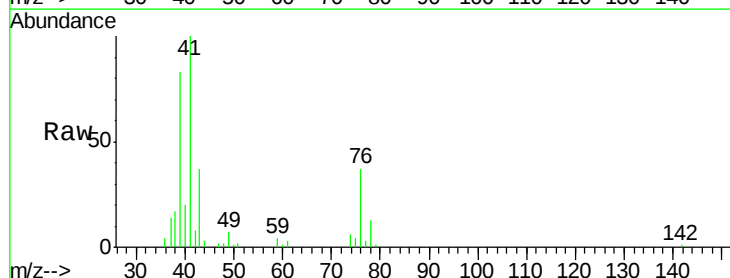
Tgt Ion: 41 Resp: 65223

Ion Ratio Lower Upper

41 100

39 78.1 60.9 91.3

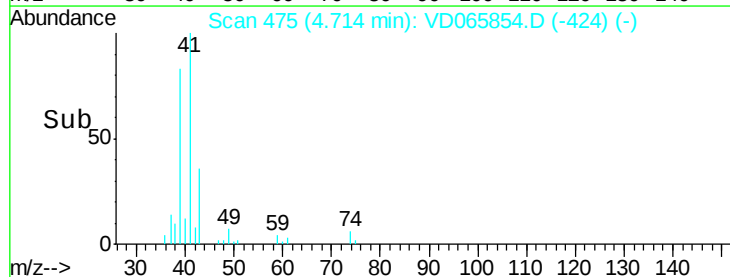
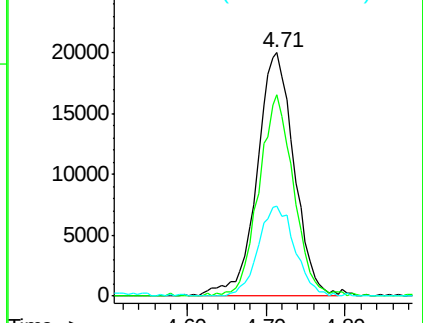
76 36.4 28.9 43.3

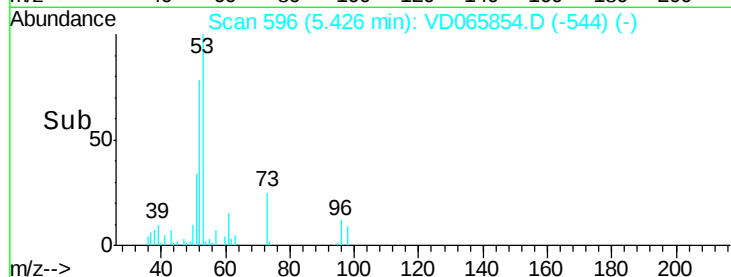
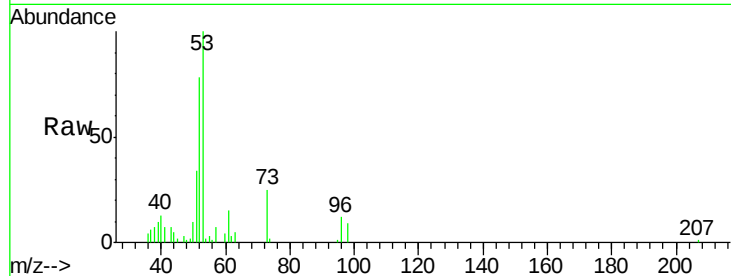
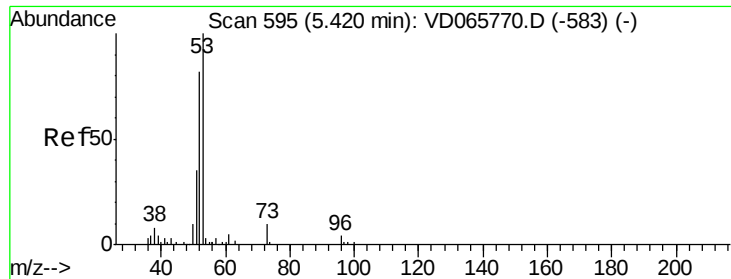


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 106.862 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

Tot Ion:	53	Resp:	40744
Ion Ratio	Lower	Upper	
53	100		
52	83.4	66.2	99.2
51	38.2	30.7	46.1

Instrument :

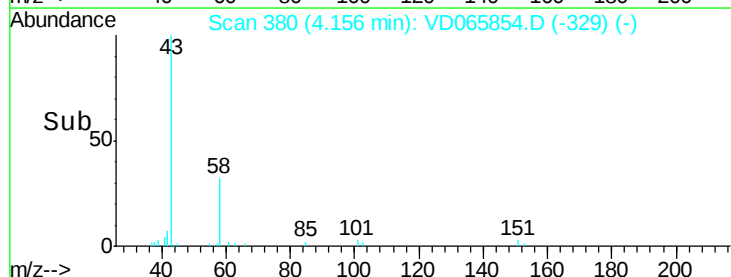
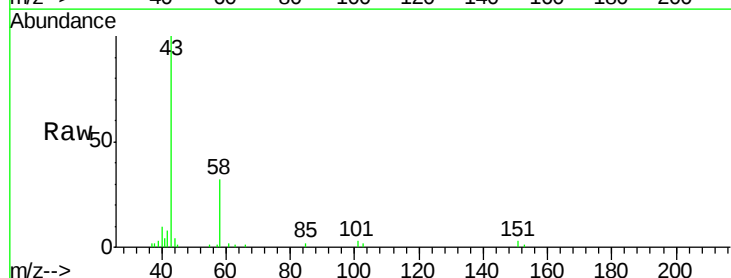
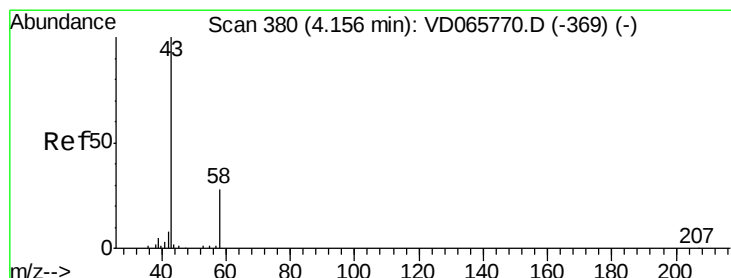
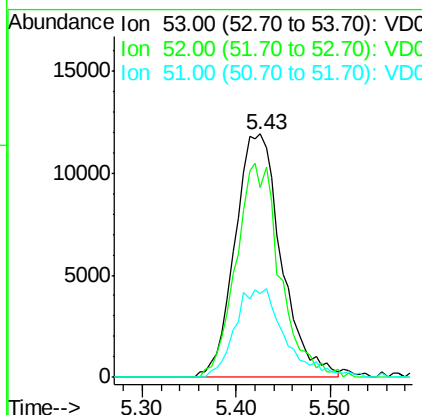
MSVOA_D

ClientSampleId :

VD0623SBS01

Manual Integrations
APPROVED

MMDadoda
6/24/2020 10:52:35 AM



#16

Acetone

Concen: 114.039 ug/l

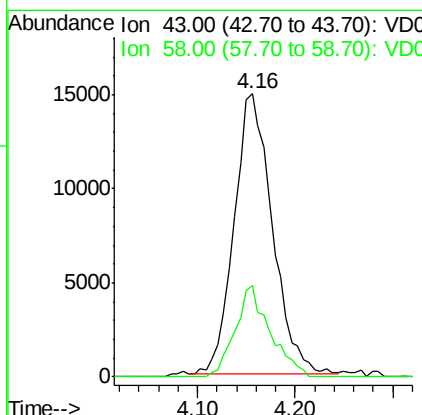
RT: 4.16 min Scan# 380

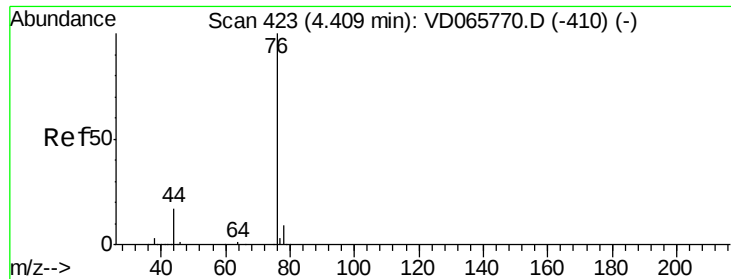
Delta R.T. -0.00 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

Tgt Ion:	43	Resp:	40603
Ion Ratio	Lower	Upper	
43	100		
58	32.5	22.3	33.5





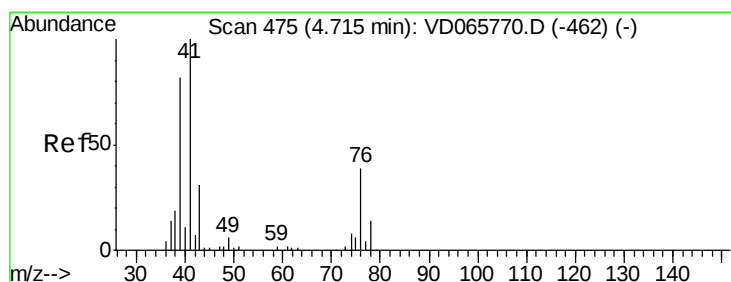
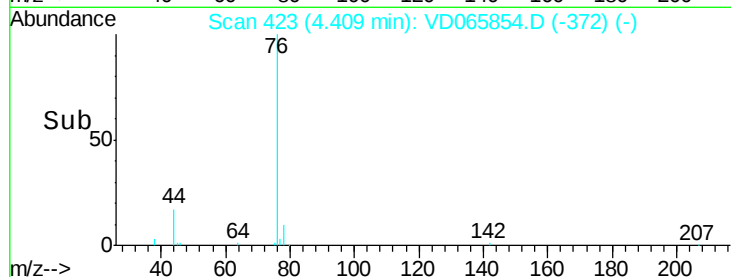
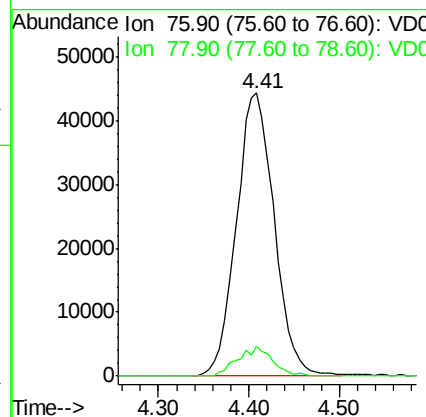
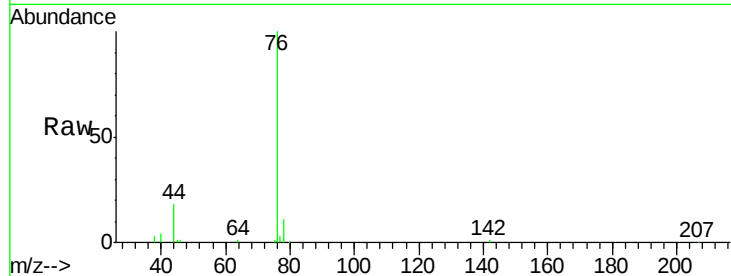
#17
Carbon Disulfide
Concen: 22.015 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0623SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.6	7.1	10.7

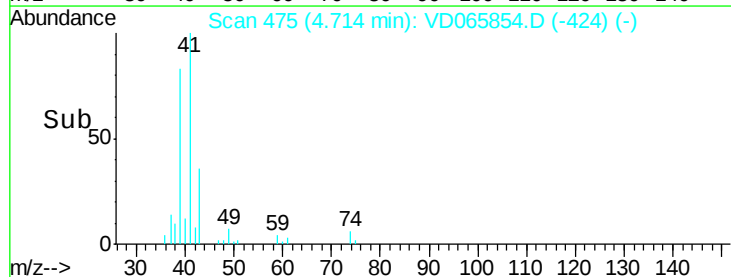
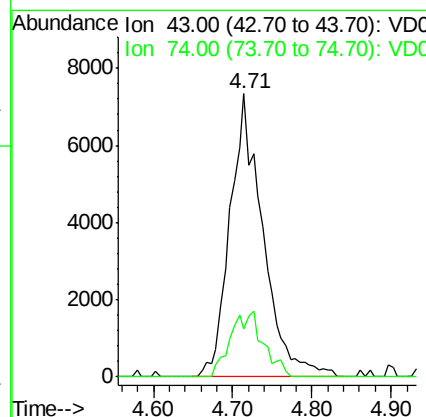
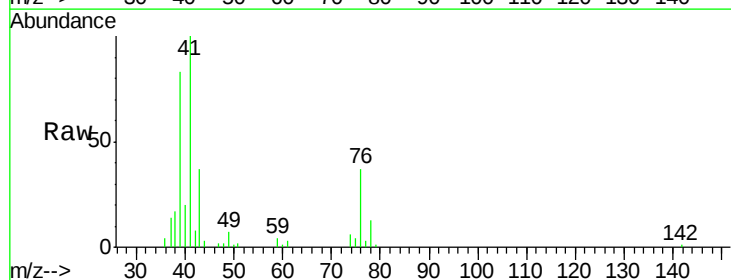
Manual Integrations
APPROVED

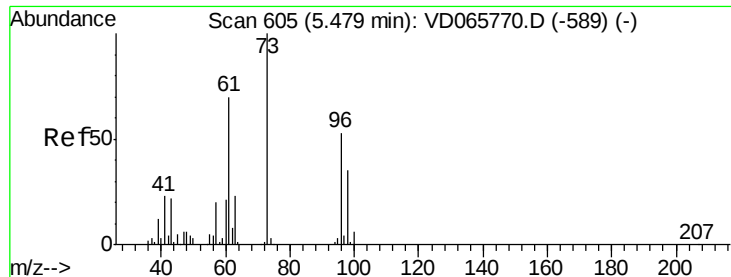
MMDadoda
6/24/2020 10:52:35 AM



#18
Methyl Acetate
Concen: 24.504 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	10.9	18.7	28.1#





#19

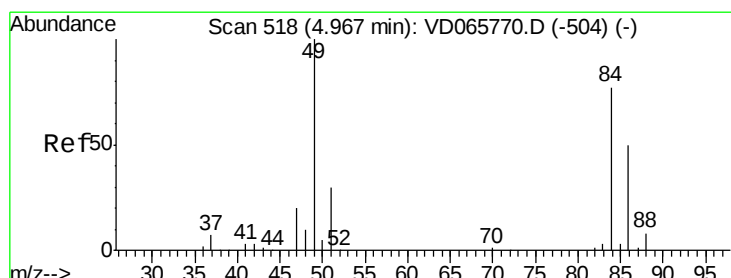
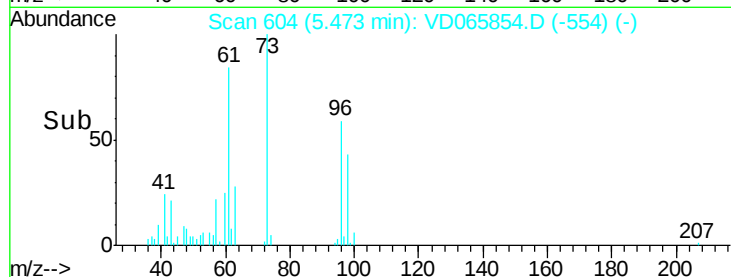
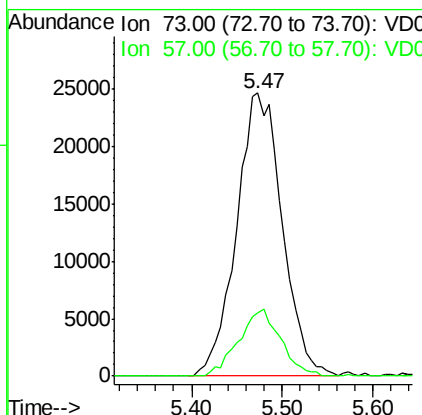
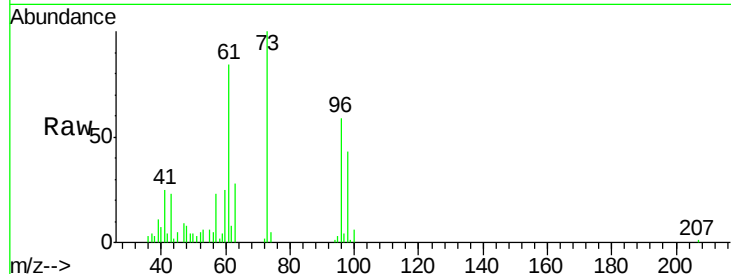
Methyl tert-butyl Ether
 Concen: 21.968 ug/l
 RT: 5.47 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VD065854.D
 Acq: 23 Jun 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0623SBS01

Tot Ion: 73 Resp: 86346
 Ion Ratio Lower Upper
 73 100
 57 22.5 16.2 24.2

Manual Integrations
 APPROVED

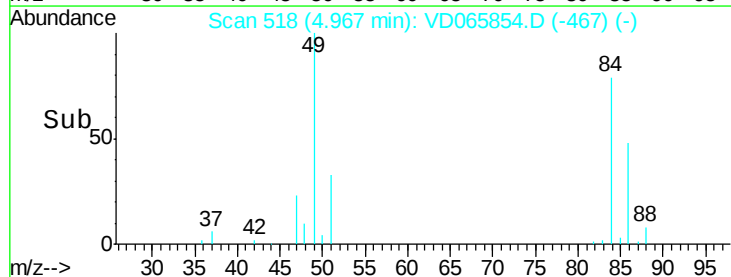
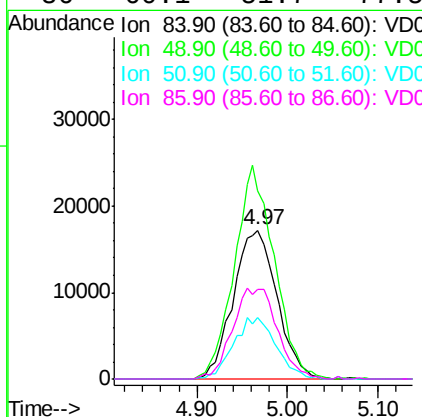
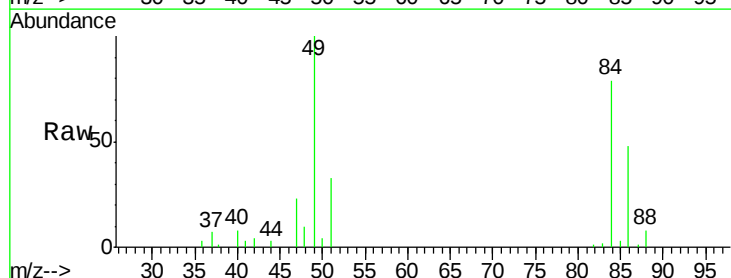
MMDadoda
 6/24/2020 10:52:35 AM

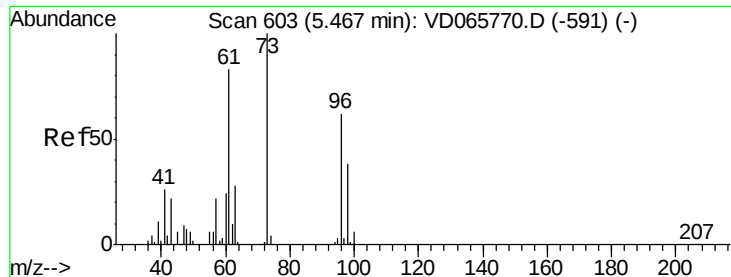


#20

Methylene Chloride
 Concen: 28.551 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: VD065854.D
 Acq: 23 Jun 2020 12:31

Tgt Ion: 84 Resp: 57594
 Ion Ratio Lower Upper
 84 100
 49 126.0 103.4 155.0
 51 41.2 31.4 47.2
 86 60.1 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 22.257 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

Instrument :

MSVOA_D

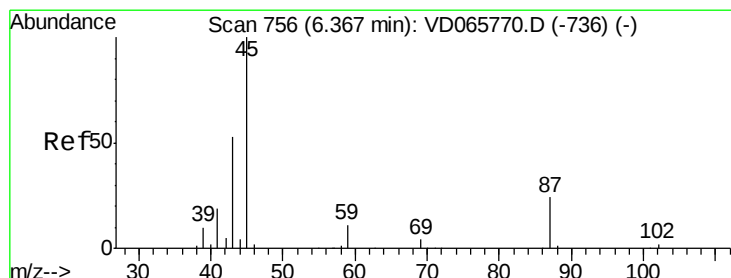
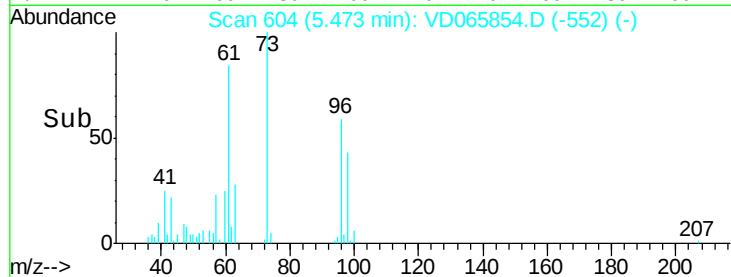
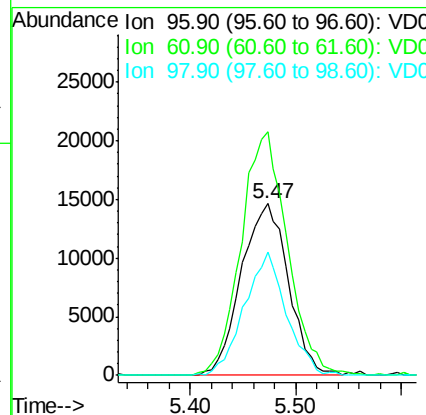
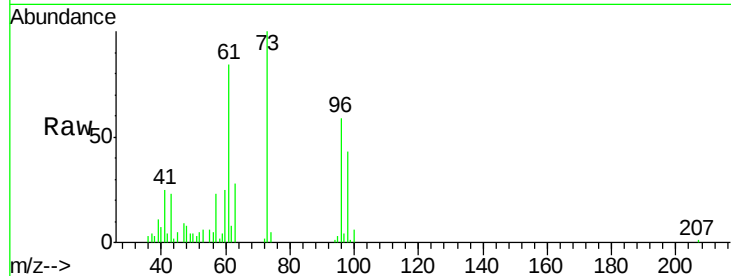
ClientSampleId :

VD0623SBSD01

Tot Ion:	96	Resp:	45232
Ion	Ratio	Lower	Upper
96	100		
61	141.7	107.7	161.5
98	71.5	49.3	73.9

Manual Integrations
APPROVED

MMDadoda
6/24/2020 10:52:35 AM



#22

Diisopropyl ether

Concen: 22.678 ug/l

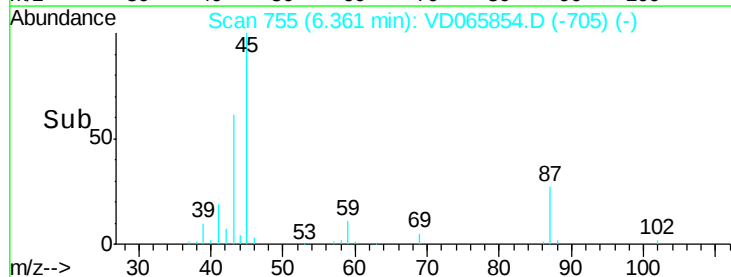
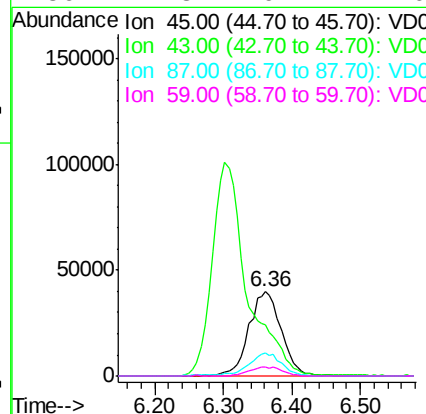
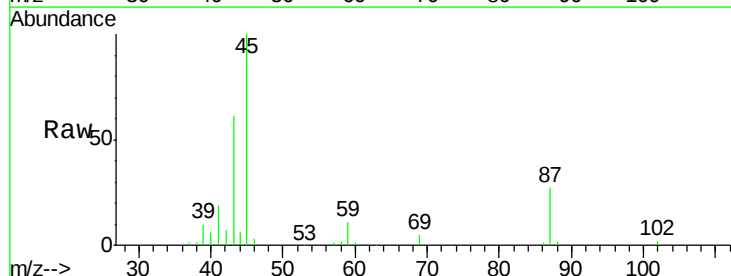
RT: 6.36 min Scan# 755

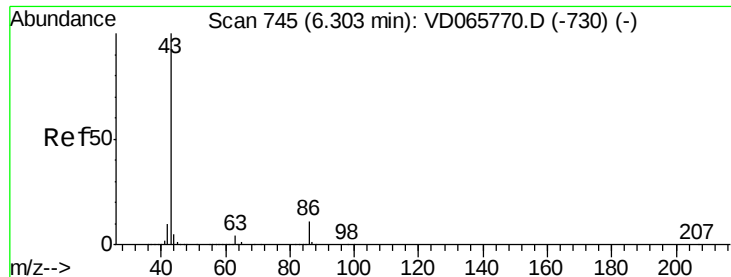
Delta R.T. -0.01 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

Tgt Ion:	45	Resp:	131421
Ion	Ratio	Lower	Upper
45	100		
43	59.0	43.4	65.0
87	26.7	20.2	30.4
59	11.3	9.4	14.0





#23

Vinyl Acetate

Concen: 109.066 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0623SBSD01

Tot Ion: 43 Resp: 356906

Ion Ratio Lower Upper

43 100

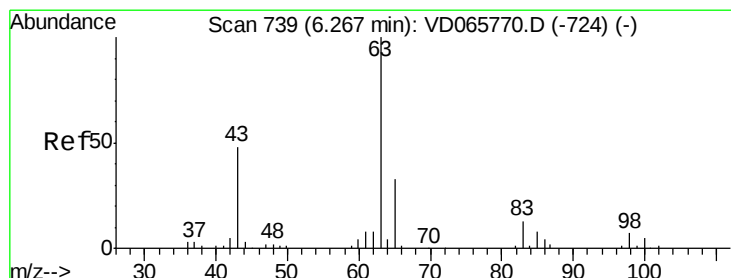
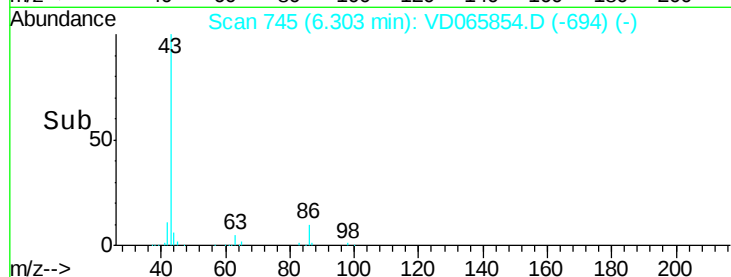
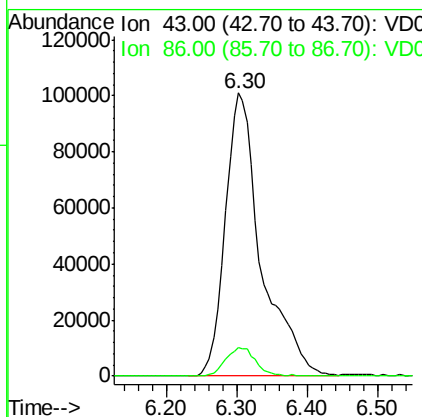
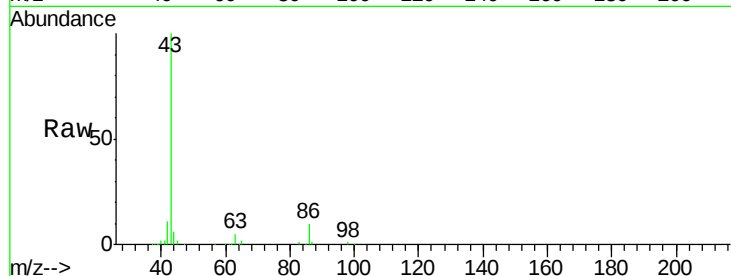
86 10.1 8.5 12.7

Manual Integrations

APPROVED

MMDadoda

6/24/2020 10:52:35 AM



#24

1,1-Dichloroethane

Concen: 22.488 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

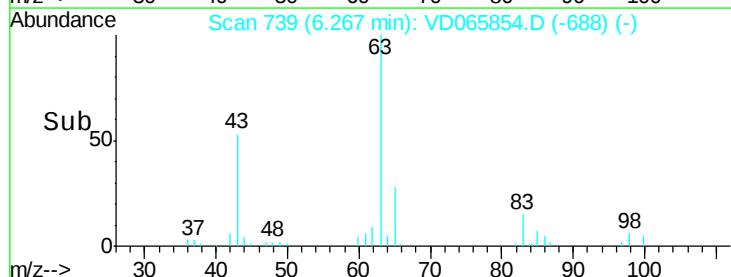
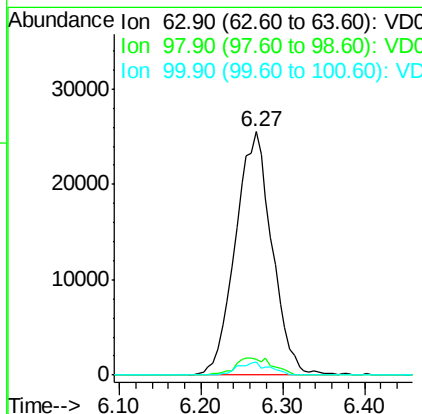
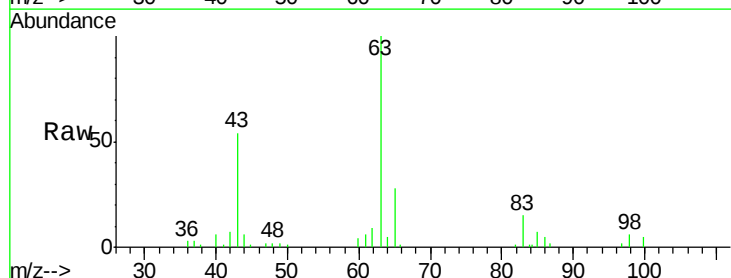
Tgt Ion: 63 Resp: 79404

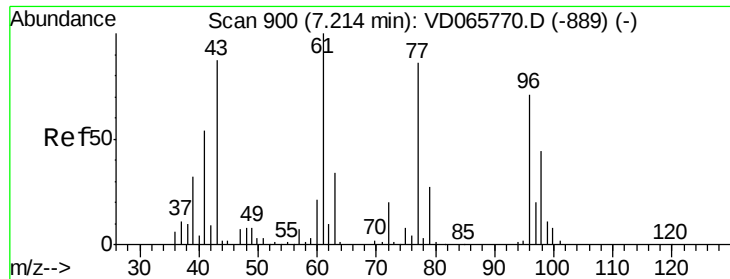
Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.5

100 5.2 2.3 6.9





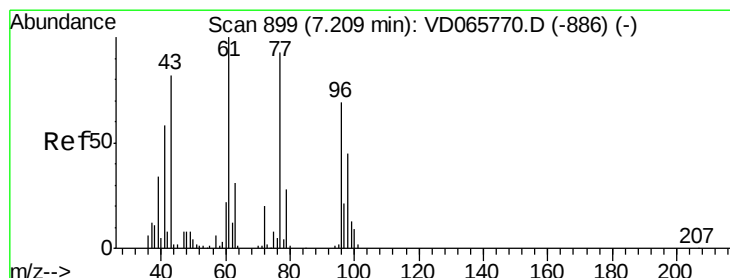
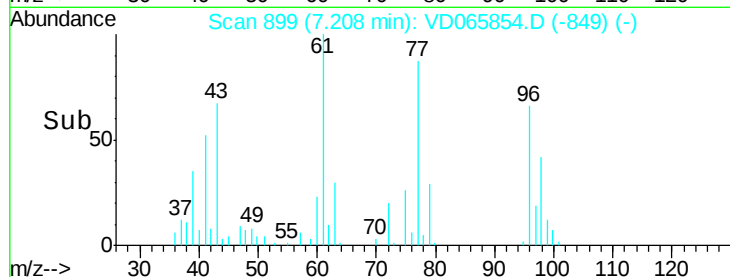
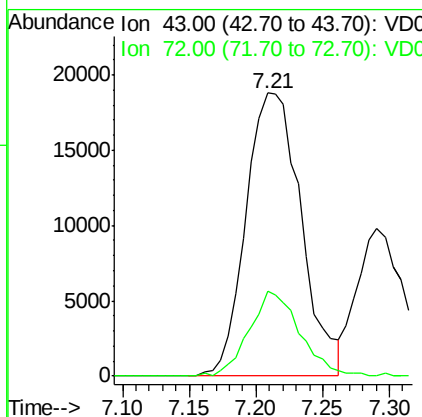
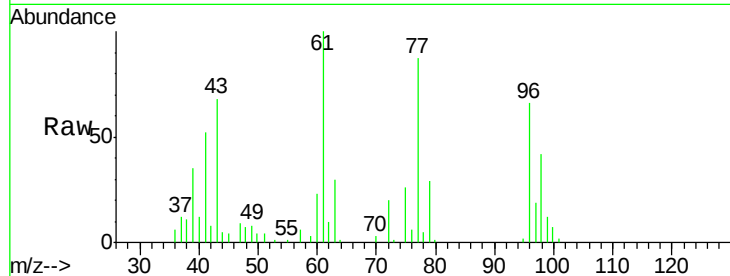
#25
2-Butanone
Concen: 109.764 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0623SBSD01

Tot Ion: 43 Resp: 53973
Ion Ratio Lower Upper
43 100
72 29.9 18.5 27.7#

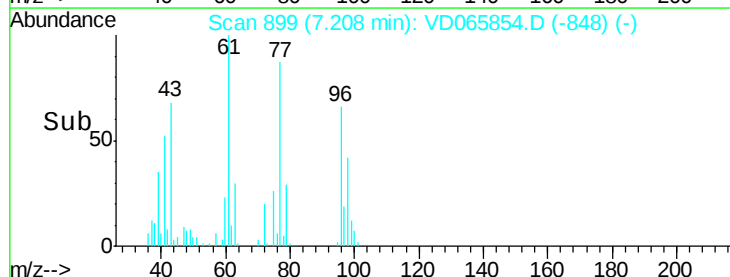
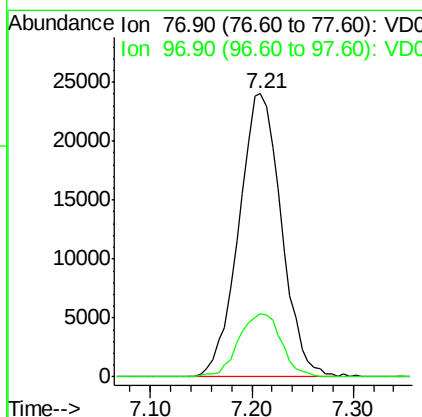
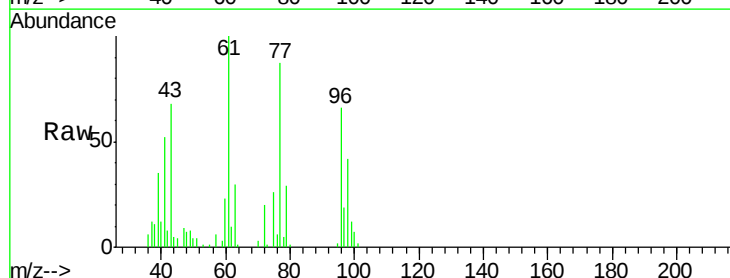
Manual Integrations
APPROVED

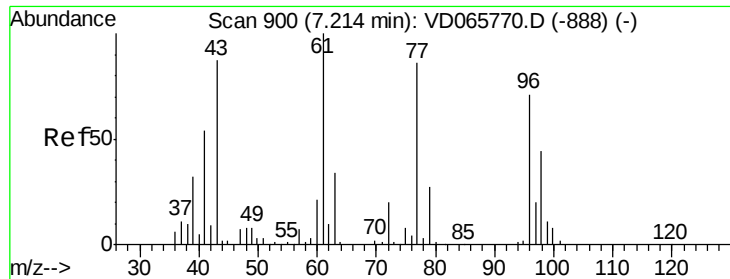
MMDadoda
6/24/2020 10:52:35 AM



#26
2,2-Dichloropropane
Concen: 22.427 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Tgt Ion: 77 Resp: 70214
Ion Ratio Lower Upper
77 100
97 22.4 10.9 32.7





#27

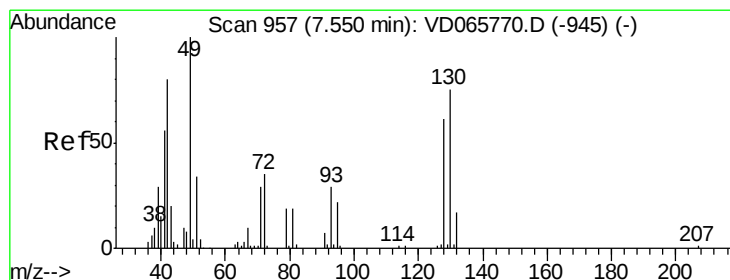
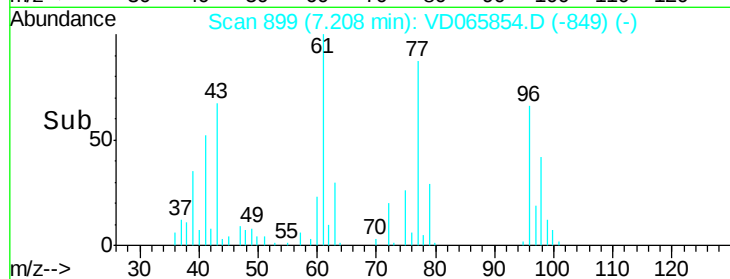
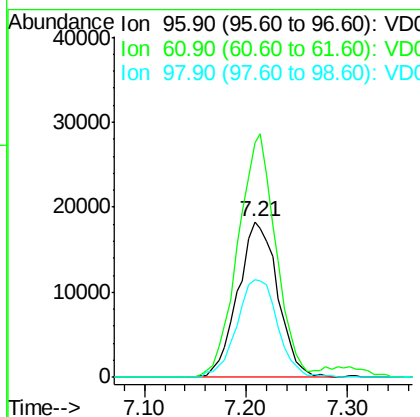
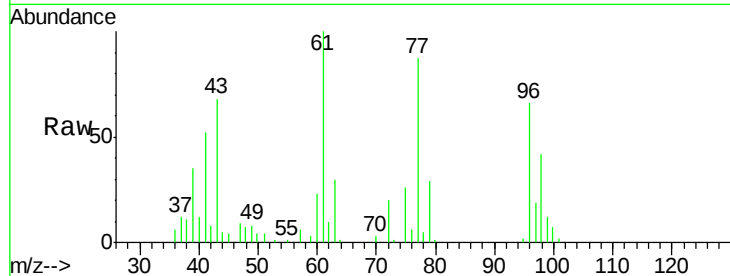
cis-1,2-Dichloroethene
Concen: 22.868 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0623SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.6	0.0	291.2
98	64.3	0.0	128.8

Manual Integrations
APPROVED

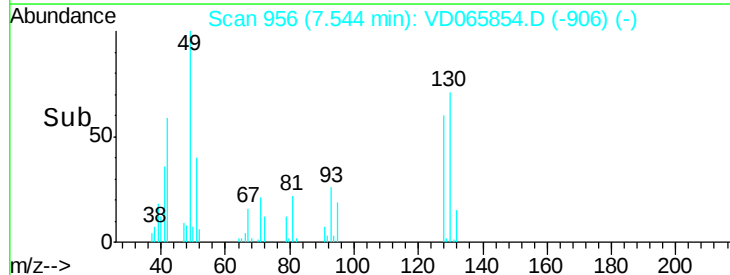
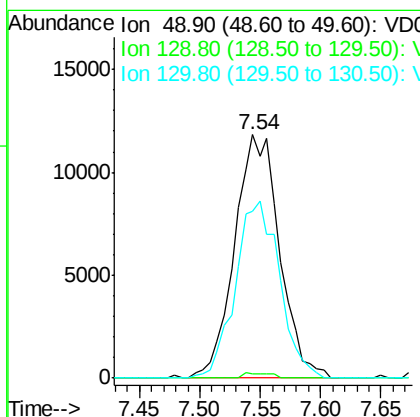
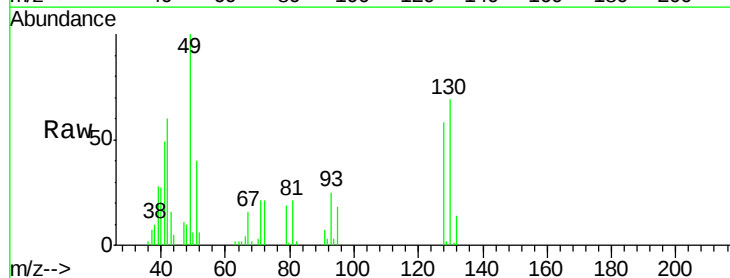
MMDadoda
6/24/2020 10:52:35 AM

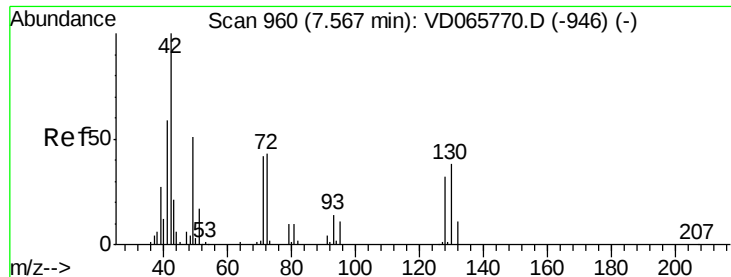


#28

Bromochloromethane
Concen: 22.441 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	4.6
130	71.6	59.5	89.3





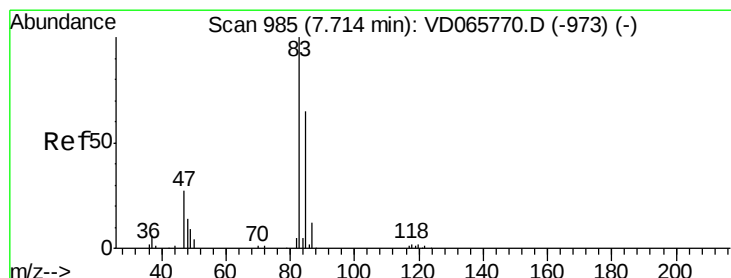
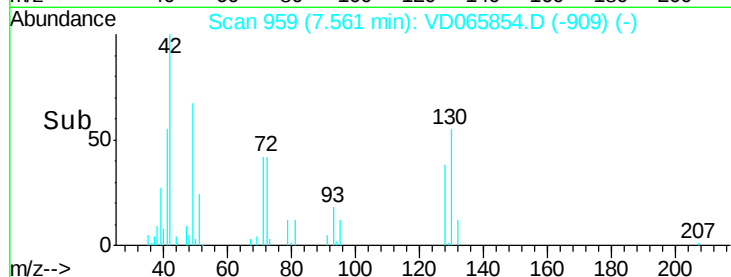
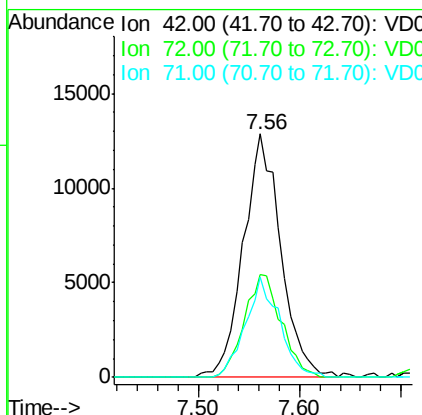
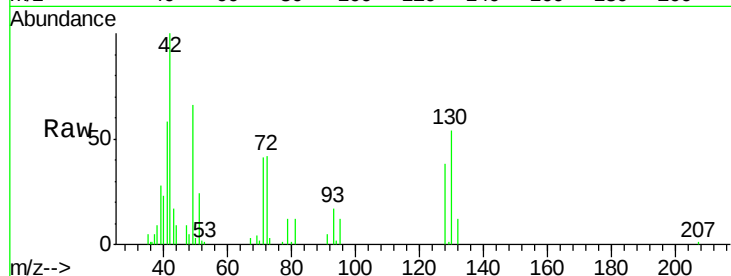
#29
Tetrahydrofuran
Concen: 106.080 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0623SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	34.9	52.3
71	37.7	31.2	46.8

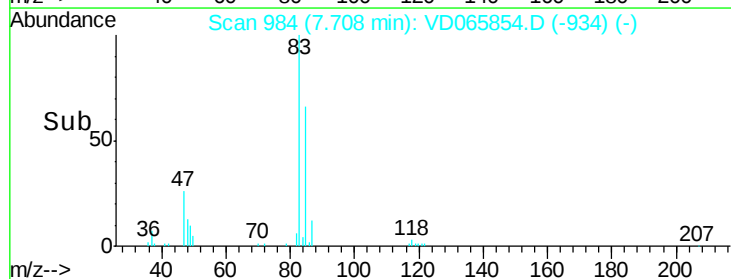
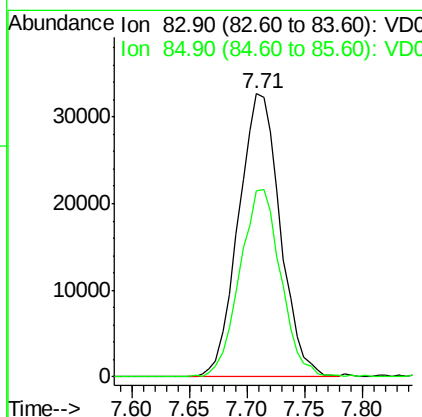
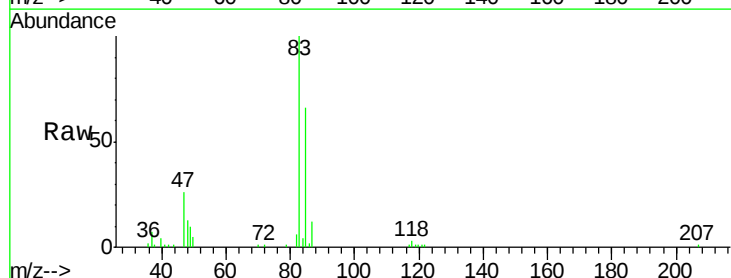
Manual Integrations
APPROVED

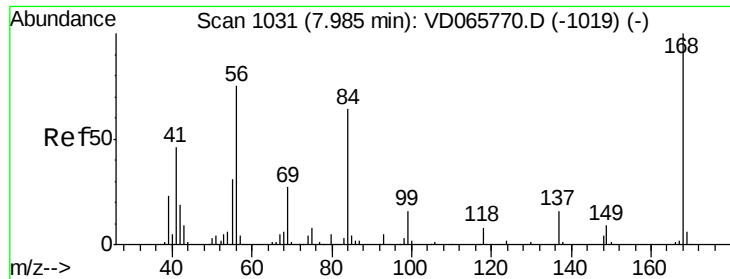
MMDadoda
6/24/2020 10:52:35 AM



#30
Chloroform
Concen: 22.419 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.9	77.9





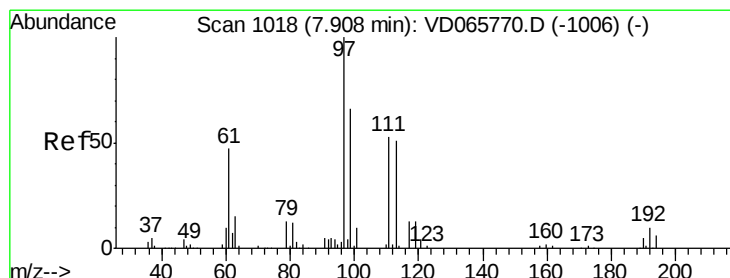
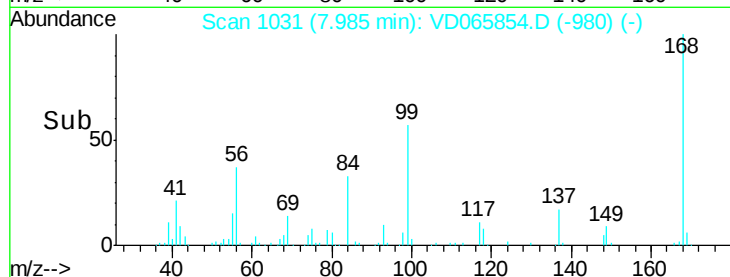
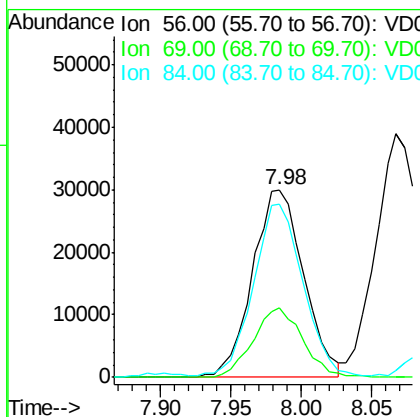
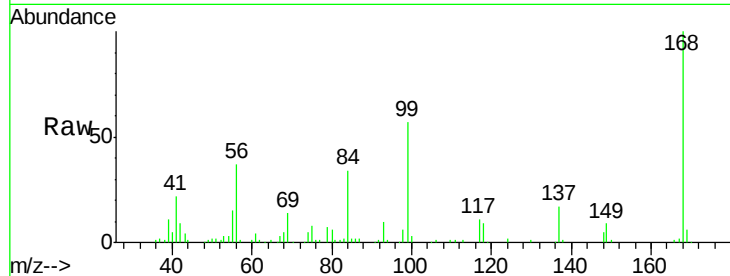
#31
Cyclohexane
Concen: 22.437 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0623SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.4	28.5	42.7
84	91.4	68.4	102.6

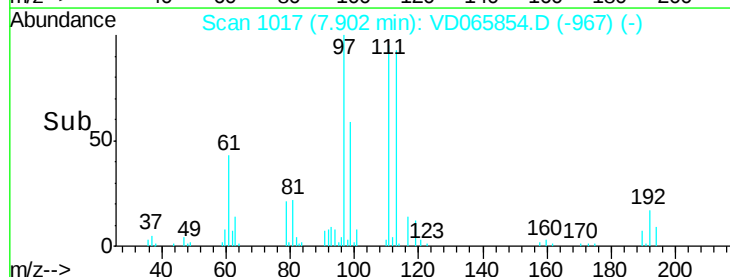
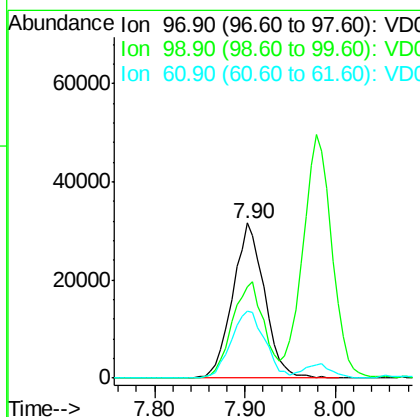
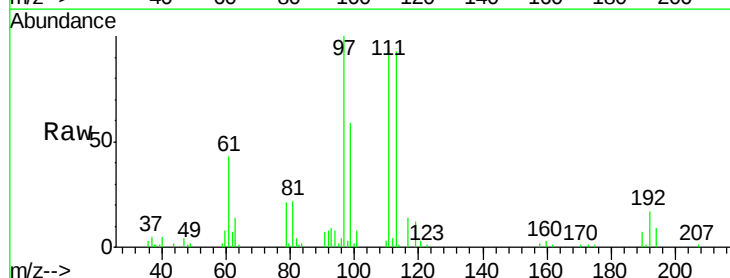
Manual Integrations
APPROVED

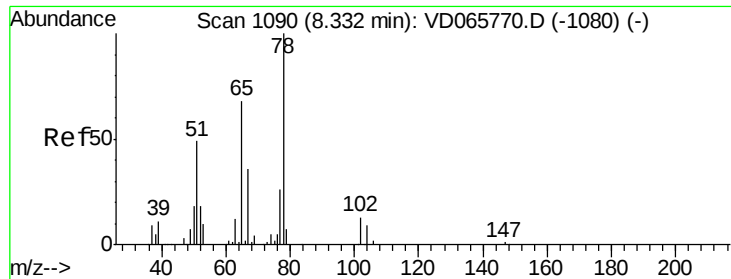
MMDadoda
6/24/2020 10:52:35 AM



#32
1,1,1-Trichloroethane
Concen: 22.913 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.1	49.2	73.8
61	45.5	36.0	54.0





#33

1,2-Dichloroethane-d4

Concen: 55.000 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0623SBS01

Tot Ion: 65 Resp: 103813

Ion Ratio Lower Upper

65 100

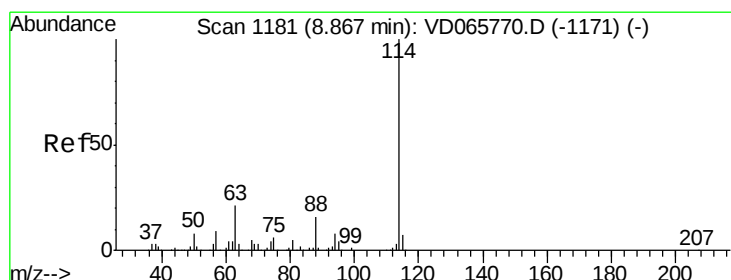
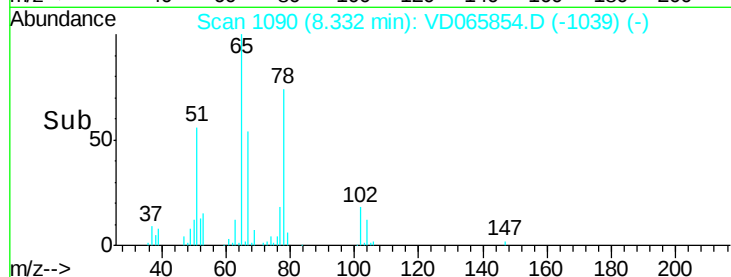
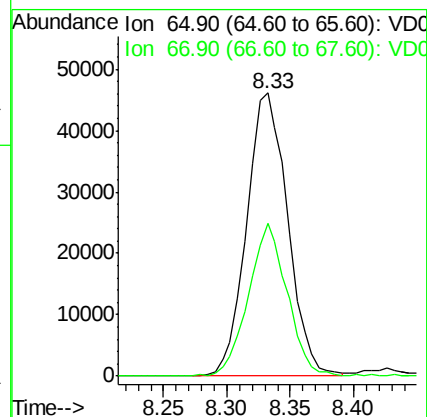
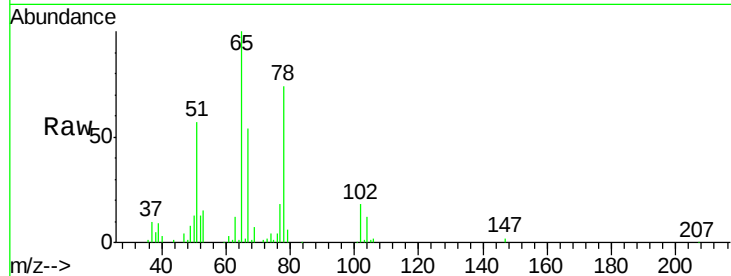
67 50.7 0.0 103.6

Manual Integrations

APPROVED

MMDadoda

6/24/2020 10:52:35 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

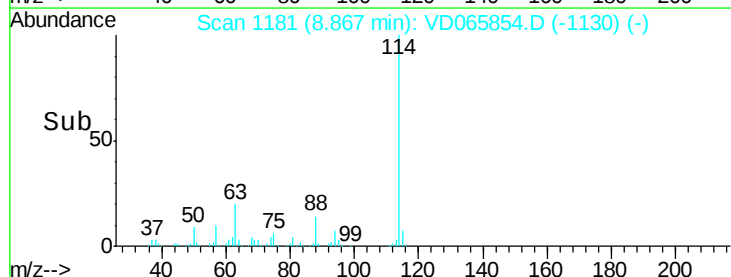
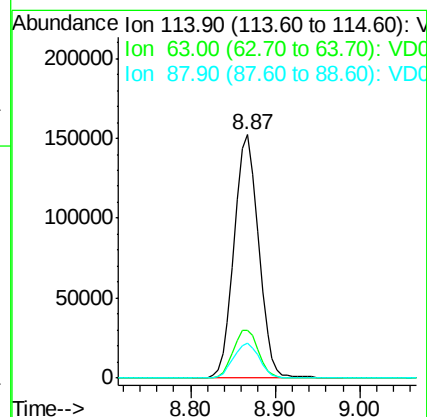
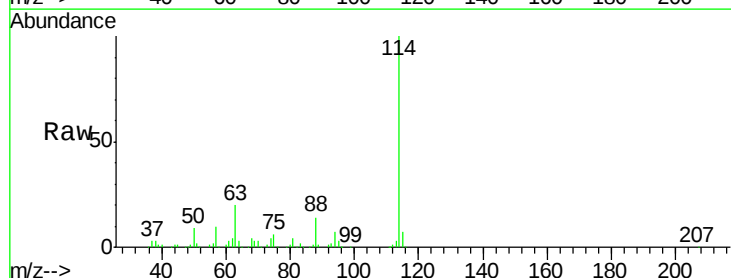
Tgt Ion: 114 Resp: 304719

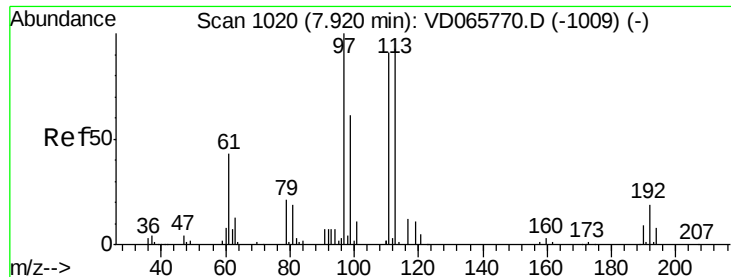
Ion Ratio Lower Upper

114 100

63 19.5 0.0 41.8

88 14.5 0.0 32.0





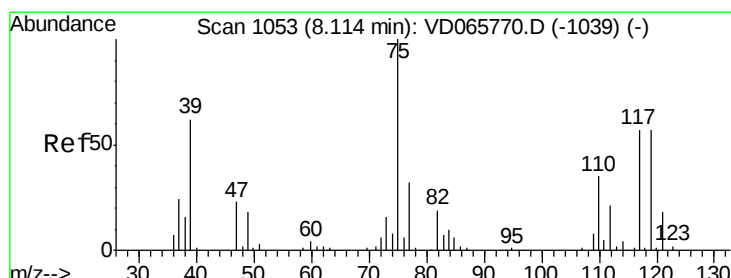
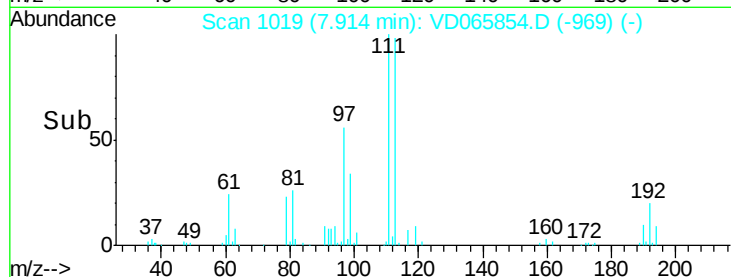
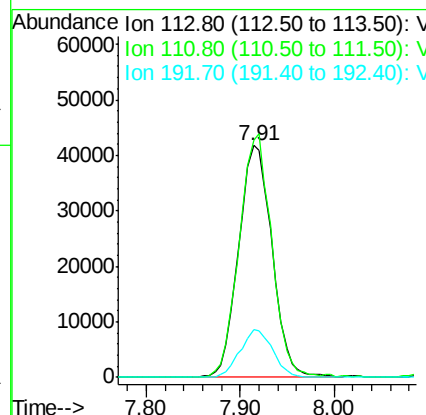
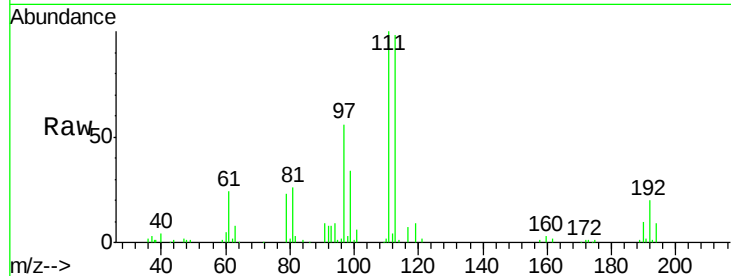
#35
 Dibromofluoromethane
 Concen: 53.743 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065854.D
 Acq: 23 Jun 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0623SBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	83.4	125.0
192	19.9	15.7	23.5

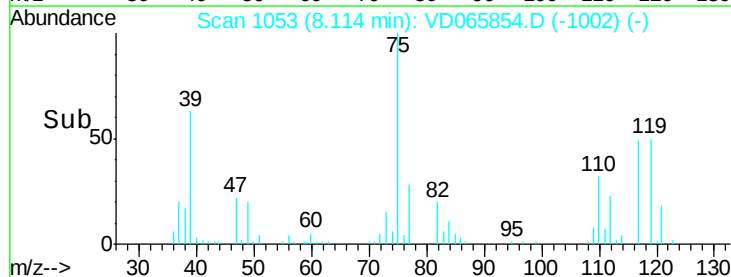
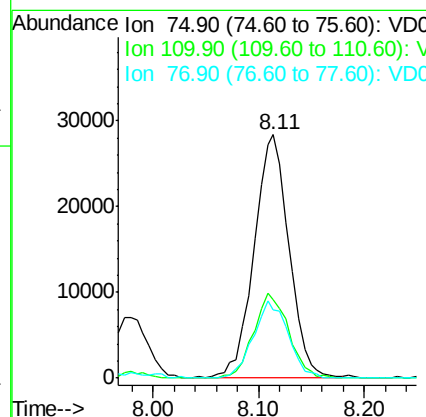
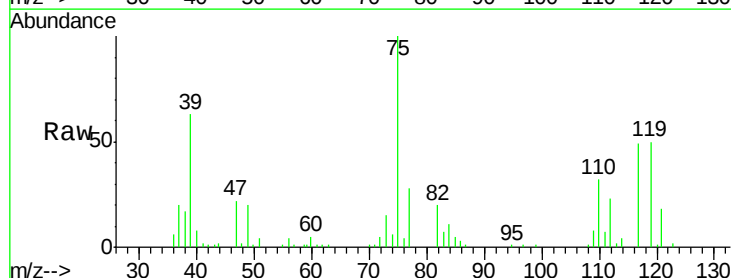
Manual Integrations
 APPROVED

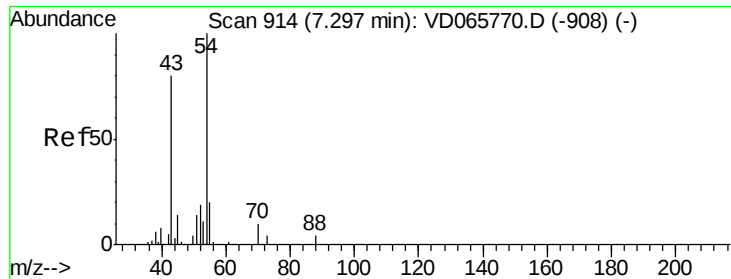
MMDadoda
 6/24/2020 10:52:35 AM



#36
 1,1-Dichloropropene
 Concen: 22.365 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065854.D
 Acq: 23 Jun 2020 12:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.0	17.6	52.8
77	31.7	25.1	37.7





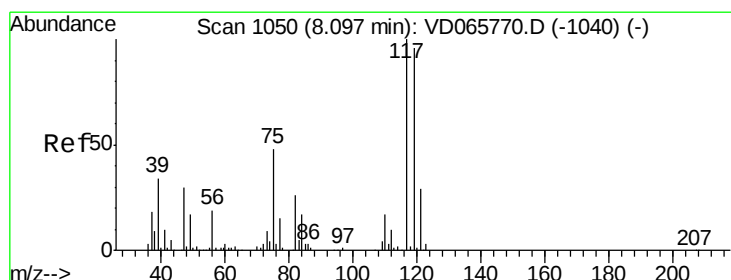
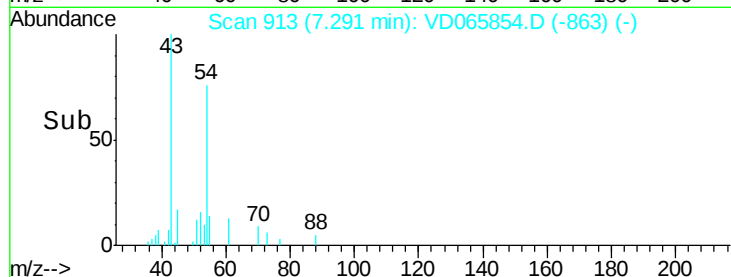
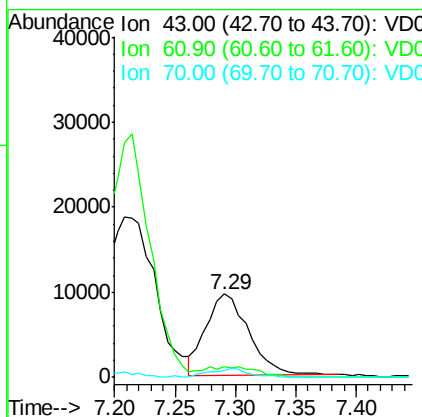
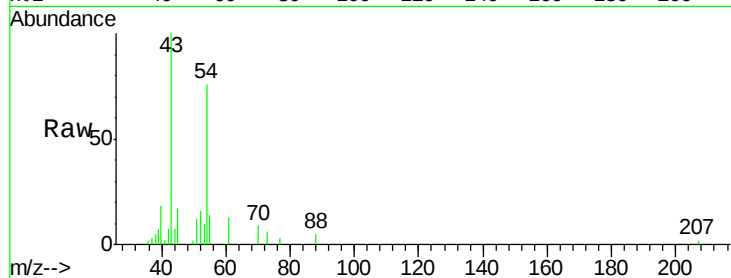
#37
Ethyl Acetate
Concen: 20.815 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0623SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	10.6	15.8
70	9.6	7.5	11.3

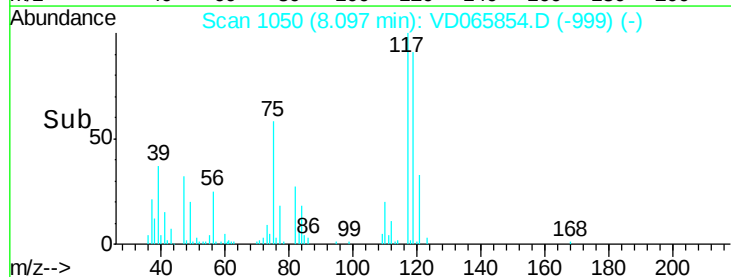
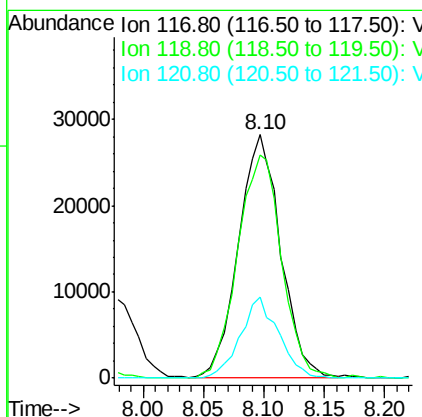
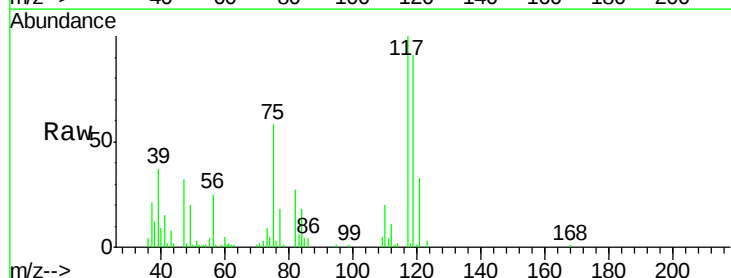
Manual Integrations
APPROVED

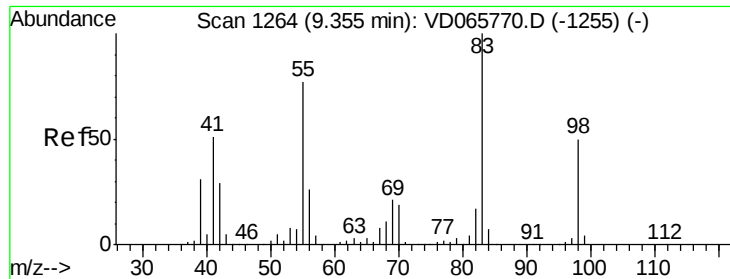
MMDadoda
6/24/2020 10:52:35 AM



#38
Carbon Tetrachloride
Concen: 22.383 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.5	76.8	115.2
121	33.2	23.4	35.2





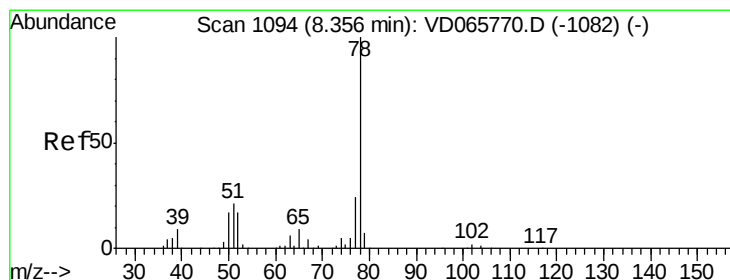
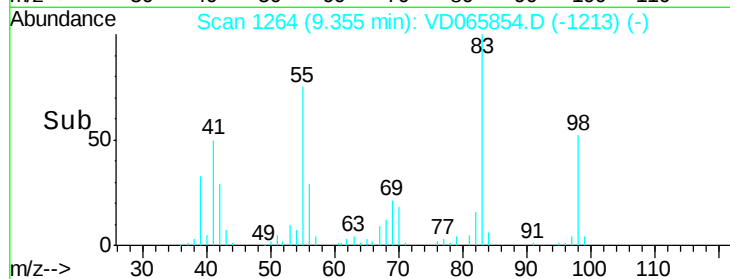
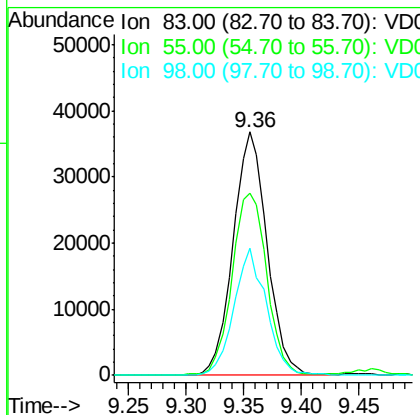
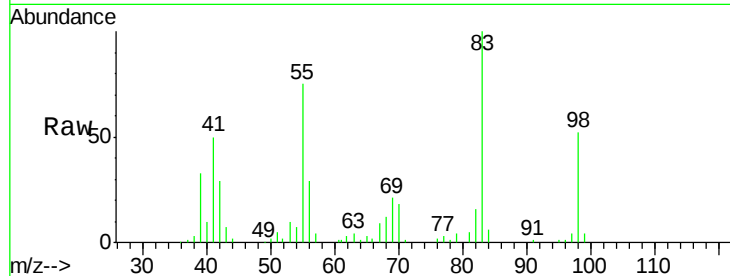
#39
Methvlcvclohexane
Concen: 21.800 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0623SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.5	61.6	92.4
98	52.2	40.2	60.2

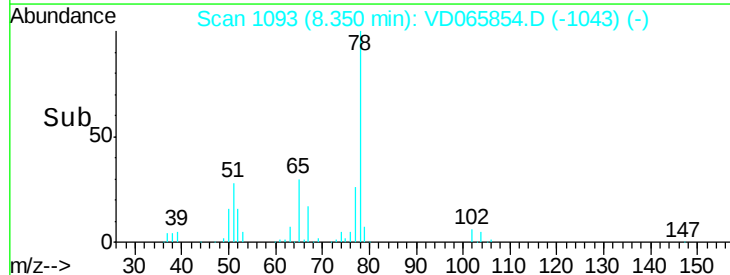
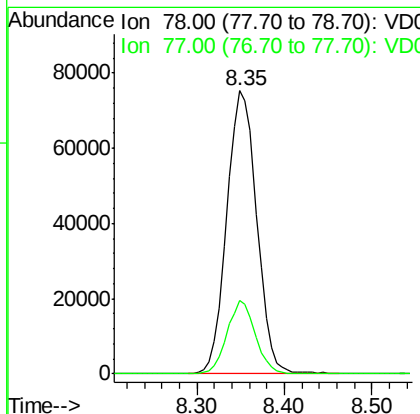
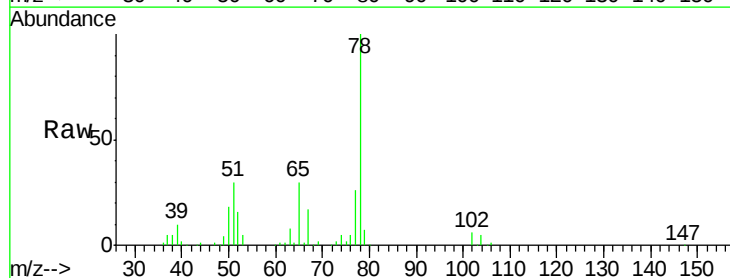
Manual Integrations
APPROVED

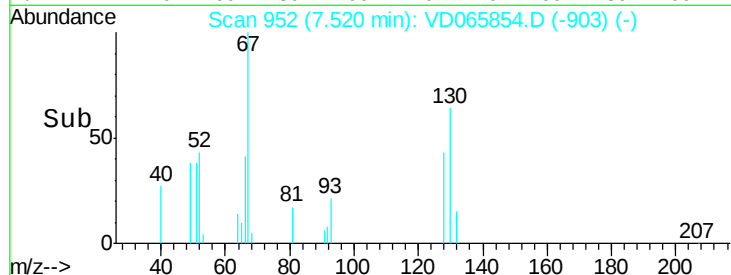
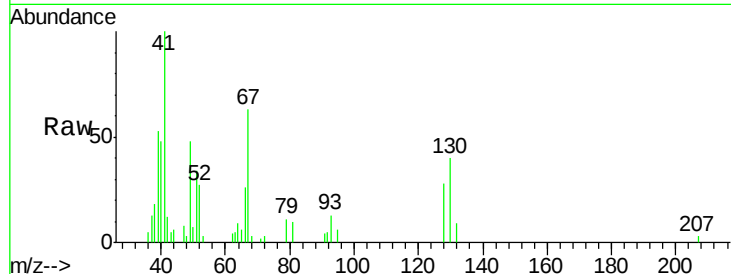
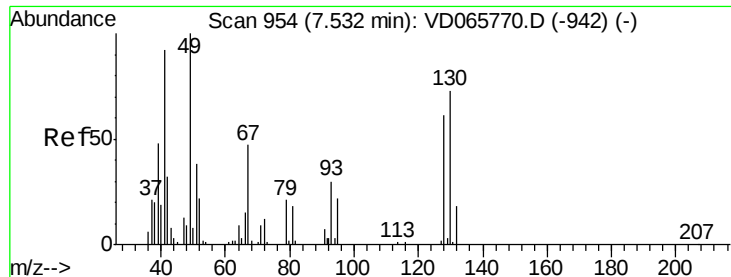
MMDadoda
6/24/2020 10:52:35 AM



#40
Benzene
Concen: 22.027 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.8	19.2	28.8





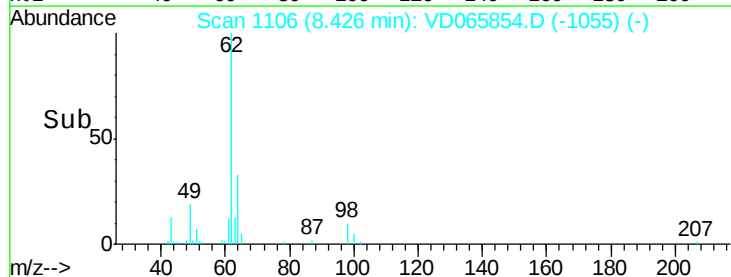
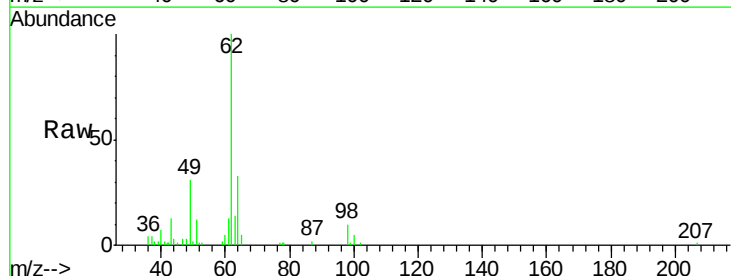
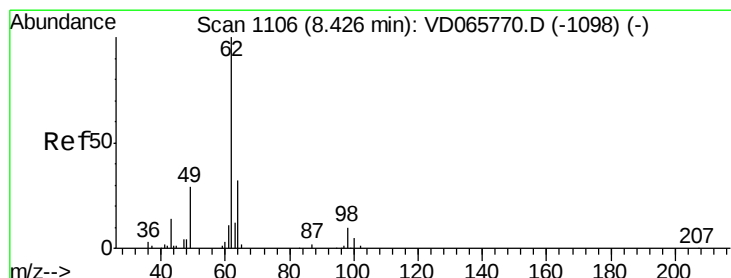
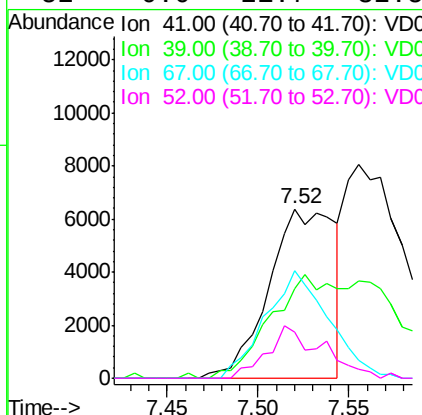
#41
Methacrylonitrile
Concen: 23.663 ug/l m
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	38.3	57.5#
67	0.0	49.8	74.6#
52	0.0	21.7	32.5#

Instrument :
MSVOA_D
ClientSampleId :
VD0623SBS01

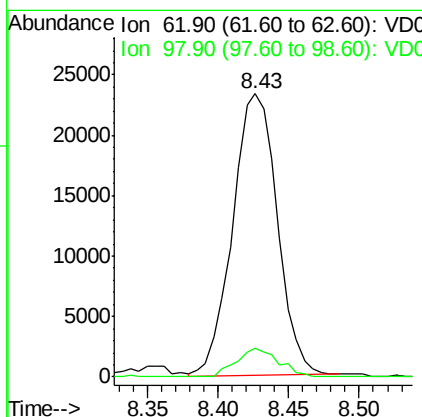
Manual Integrations
APPROVED

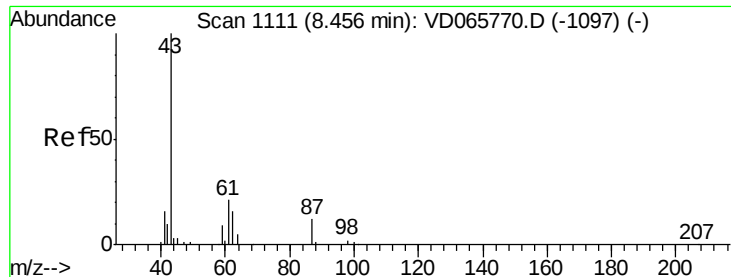
MMDadoda
6/24/2020 10:52:35 AM



#42
1,2-Dichloroethane
Concen: 21.386 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.6





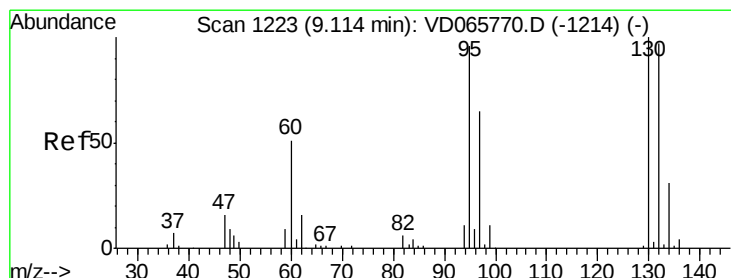
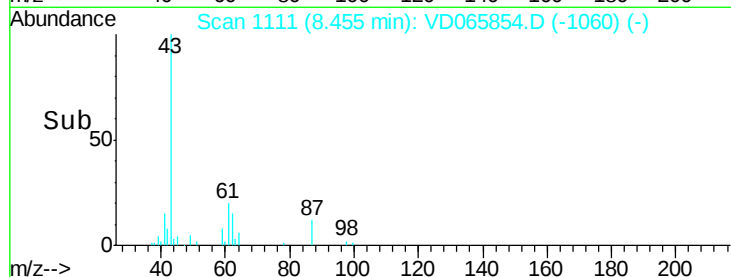
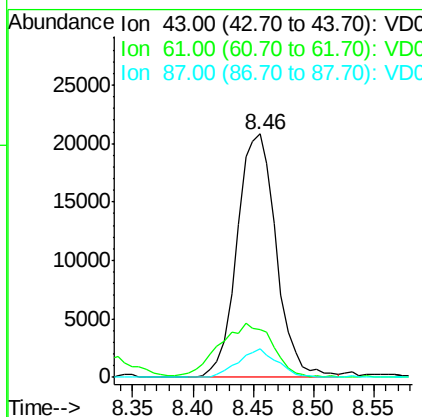
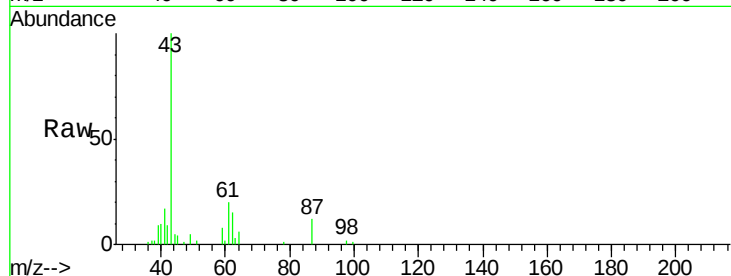
#43
Isopropyl Acetate
Concen: 20.551 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0623SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.7	24.2	36.4
87	11.5	9.5	14.3

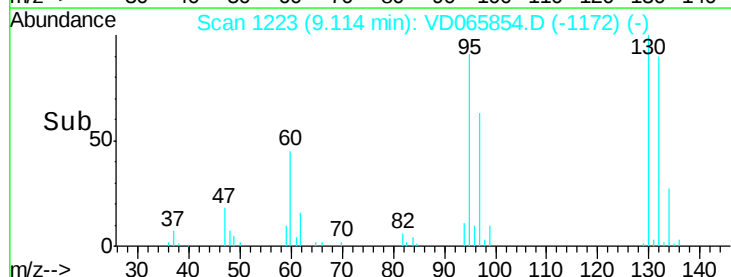
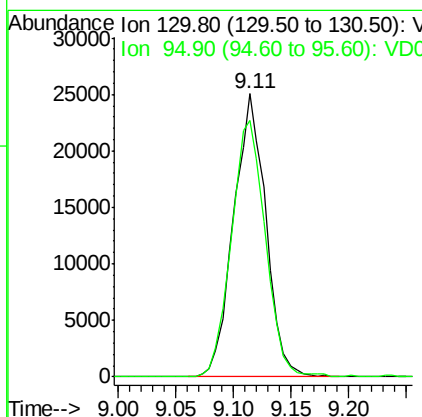
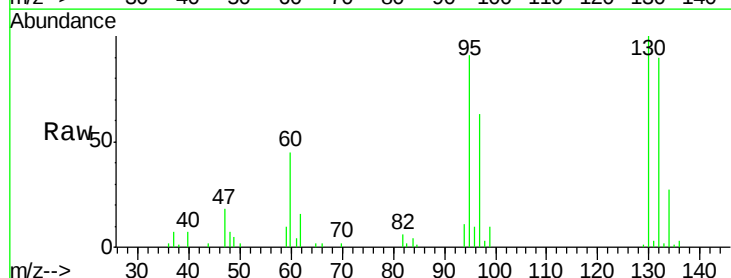
Manual Integrations
APPROVED

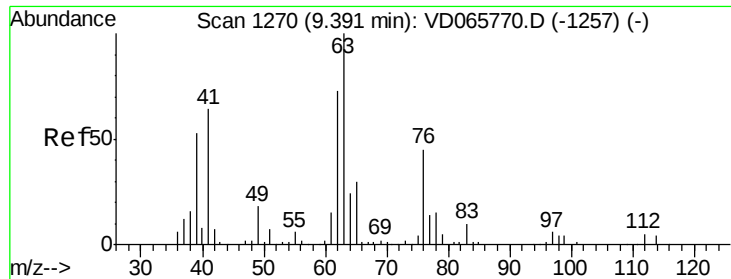
MMDadoda
6/24/2020 10:52:35 AM



#44
Trichloroethene
Concen: 21.871 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.5	0.0	192.8





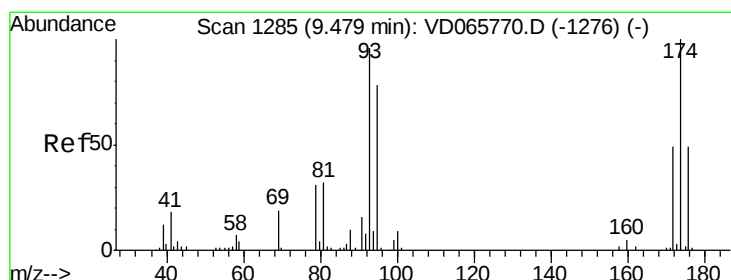
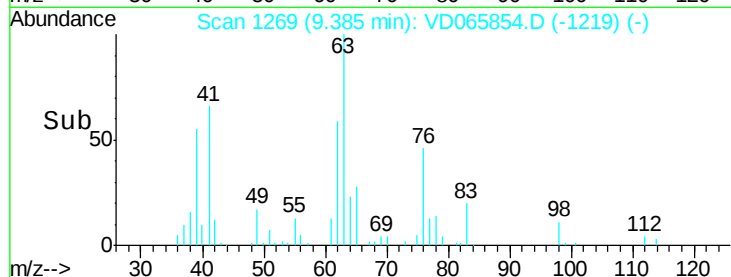
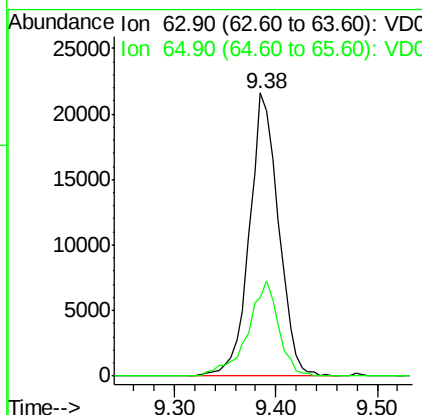
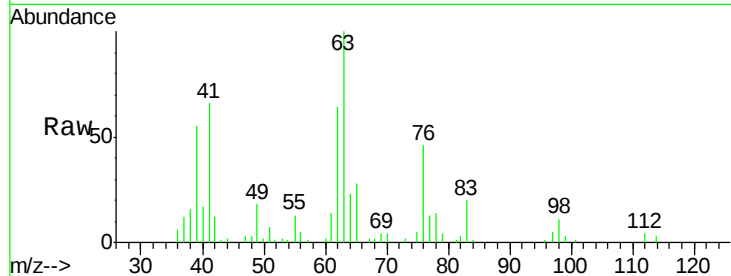
#45
 1,2-Dichloropropane
 Concen: 21.501 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD065854.D
 Acq: 23 Jun 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0623SBSD01

Tot Ion: 63 Resp: 43111
 Ion Ratio Lower Upper
 63 100
 65 27.9 24.2 36.2

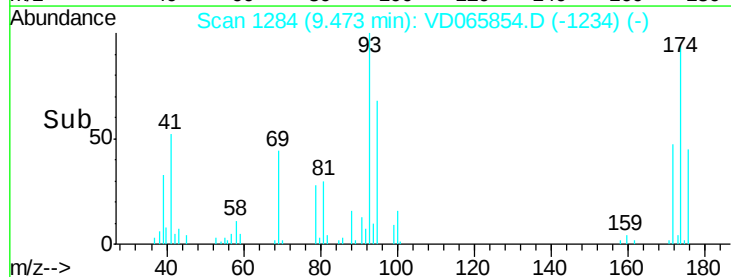
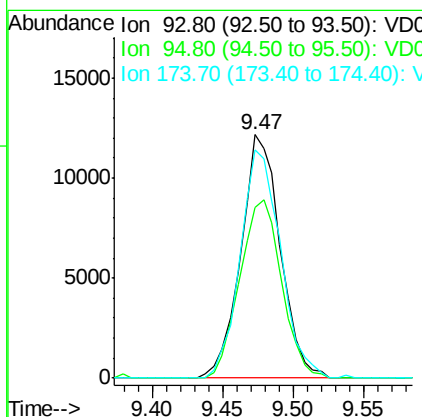
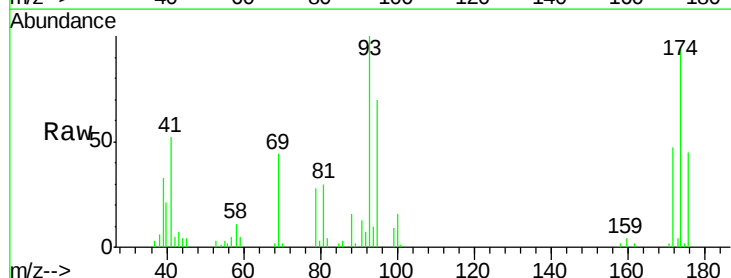
Manual Integrations
 APPROVED

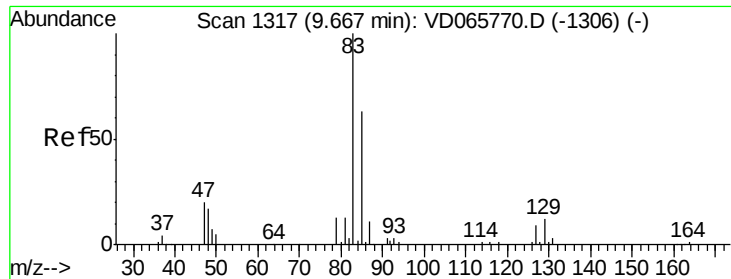
MMDadoda
 6/24/2020 10:52:35 AM



#46
 Dibromomethane
 Concen: 21.931 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: VD065854.D
 Acq: 23 Jun 2020 12:31

Tgt Ion: 93 Resp: 23849
 Ion Ratio Lower Upper
 93 100
 95 77.4 65.8 98.6
 174 95.9 80.9 121.3





#47

Bromodichloromethane

Concen: 21.805 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

Instrument :

MSVOA_D

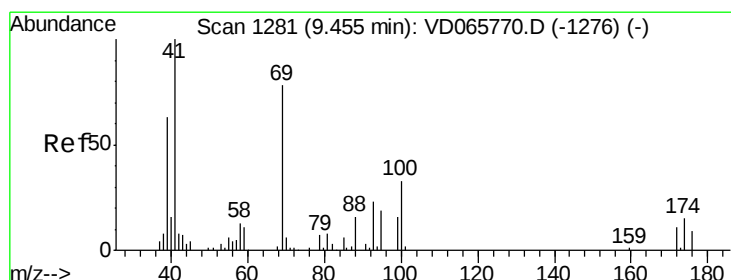
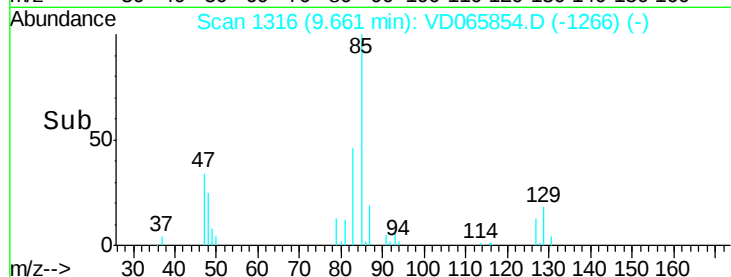
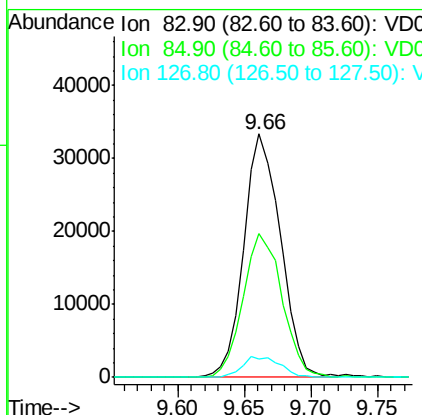
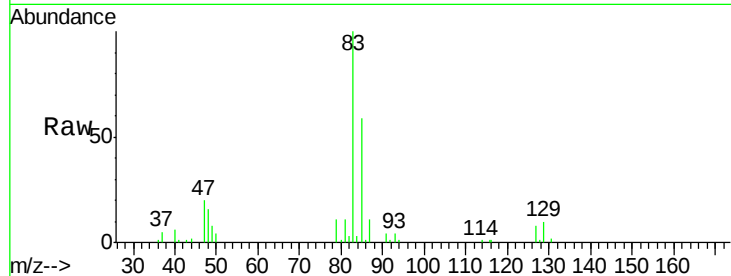
ClientSampleId :

VD0623SBSD01

Tot Ion:	83	Resp:	63540
Ion	Ratio	Lower	Upper
83	100		
85	58.9	50.7	76.1
127	7.7	7.1	10.7

Manual Integrations
APPROVED

MMDadoda
6/24/2020 10:52:35 AM



#48

Methyl methacrylate

Concen: 21.437 ug/l

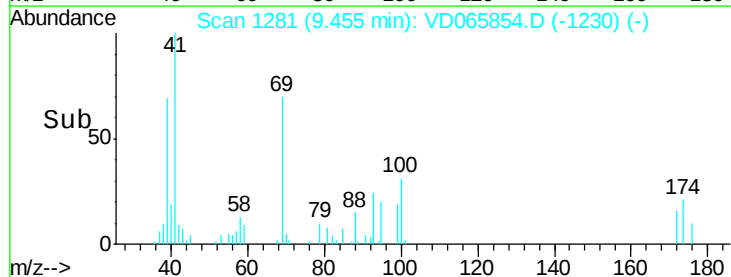
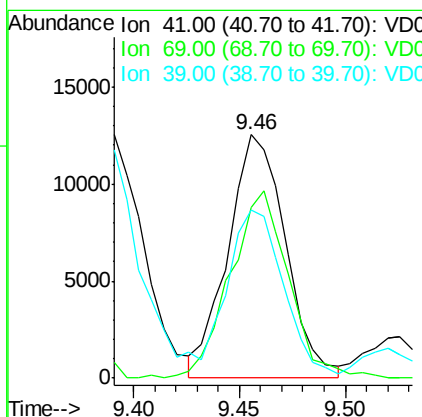
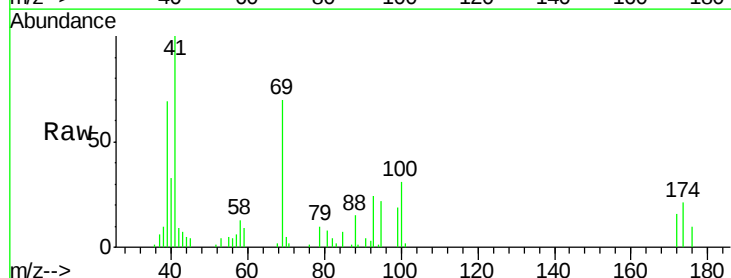
RT: 9.46 min Scan# 1281

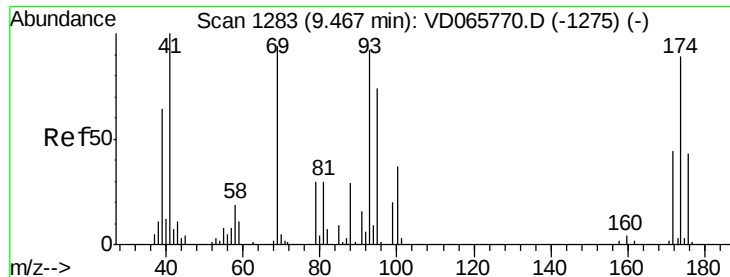
Delta R.T. -0.00 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

Tgt Ion:	41	Resp:	23724
Ion	Ratio	Lower	Upper
41	100		
69	78.3	60.9	91.3
39	67.3	48.1	72.1





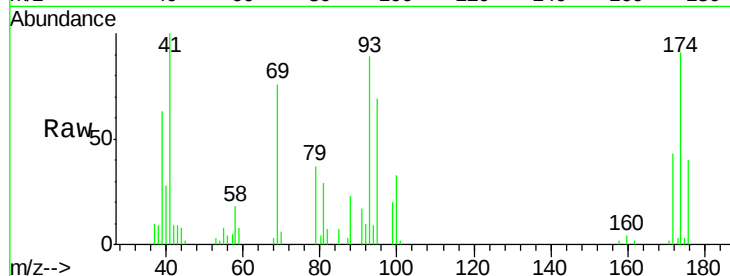
#49
1,4-Dioxane
Concen: 433.875 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0623SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.0	32.2	48.4
58	70.1	54.9	82.3

Manual Integrations
APPROVED

MMDadoda
6/24/2020 10:52:35 AM

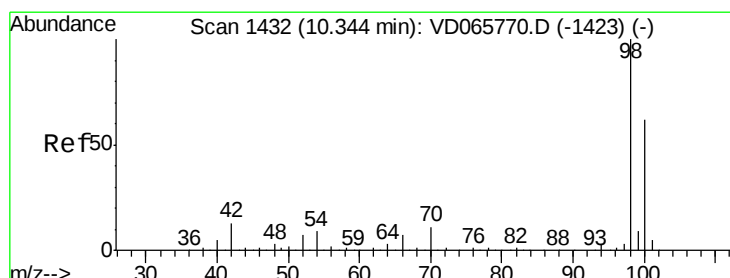
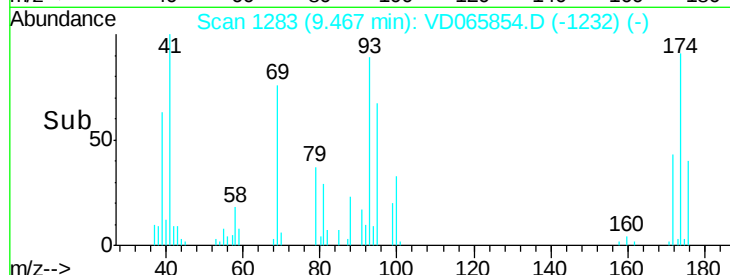
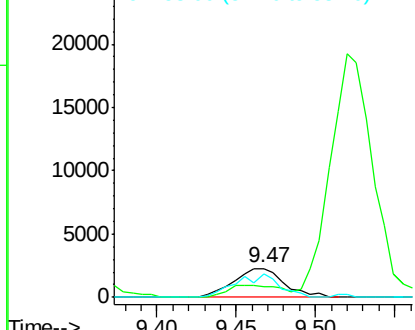


Abundance

Ion 88.00 (87.70 to 88.70): VDC

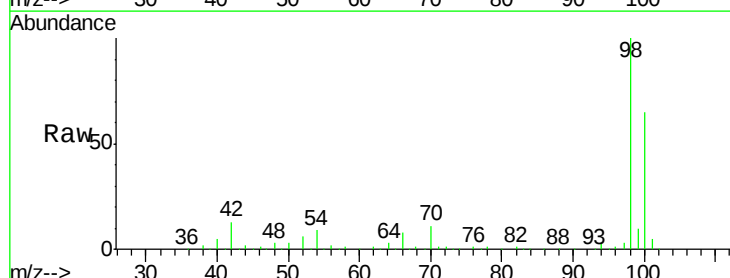
Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50
Toluene-d8
Concen: 55.694 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

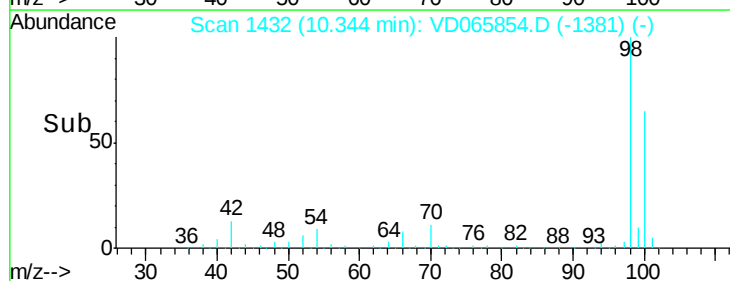
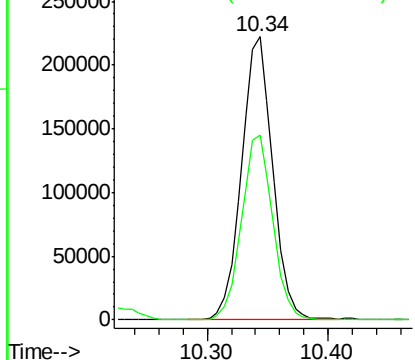
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	51.4	77.2



Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 103.948 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0623SBS01

Tot Ion: 43 Resp: 116455

Ion Ratio Lower Upper

43 100

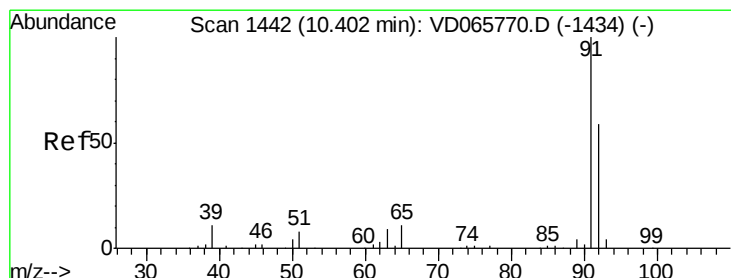
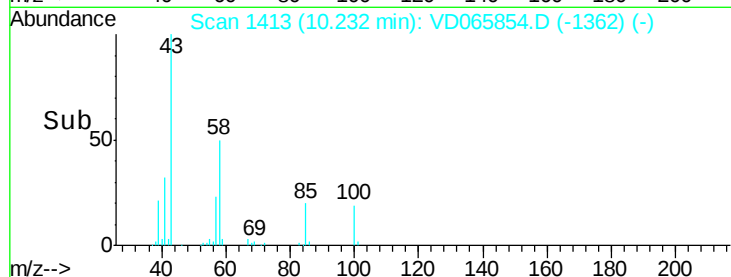
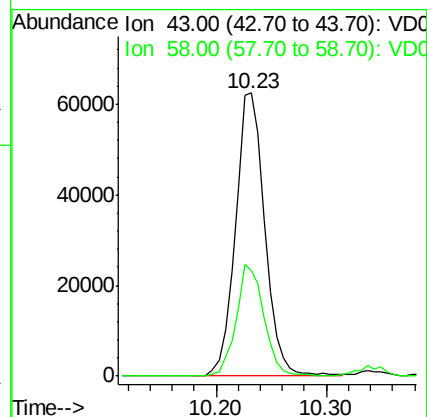
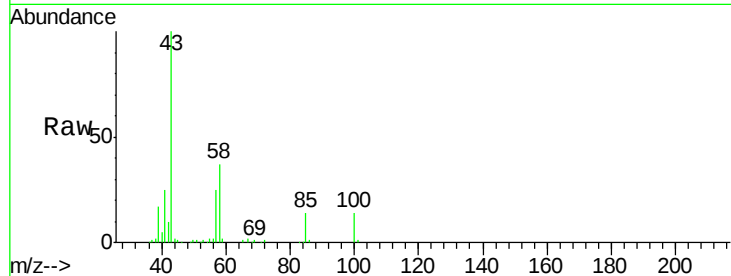
58 37.5 30.7 46.1

Manual Integrations

APPROVED

MMDadoda

6/24/2020 10:52:35 AM



#52

Toluene

Concen: 22.122 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD065854.D

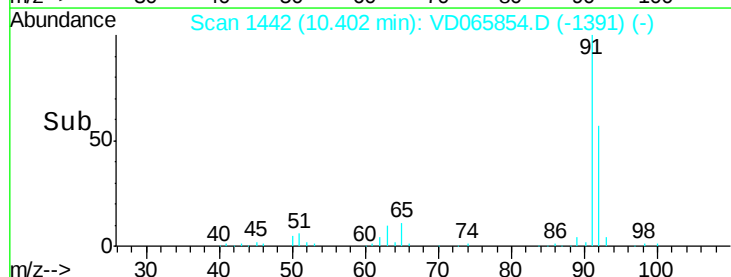
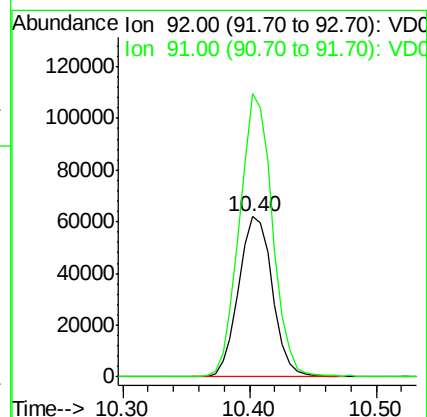
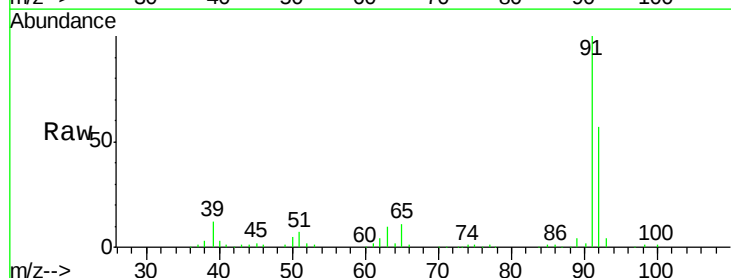
Acq: 23 Jun 2020 12:31

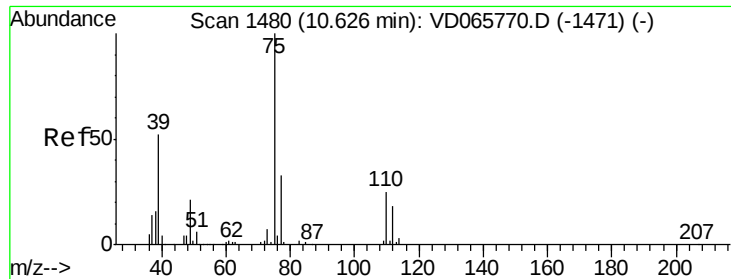
Tgt Ion: 92 Resp: 114706

Ion Ratio Lower Upper

92 100

91 172.9 137.8 206.8





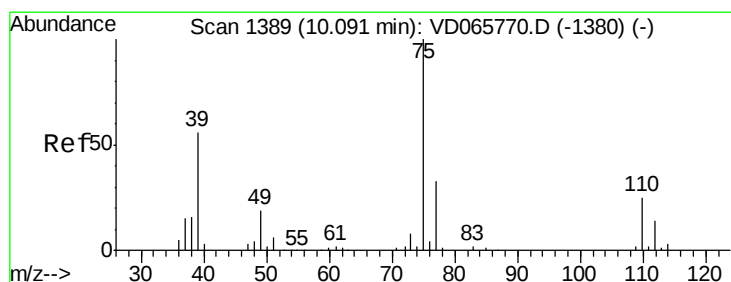
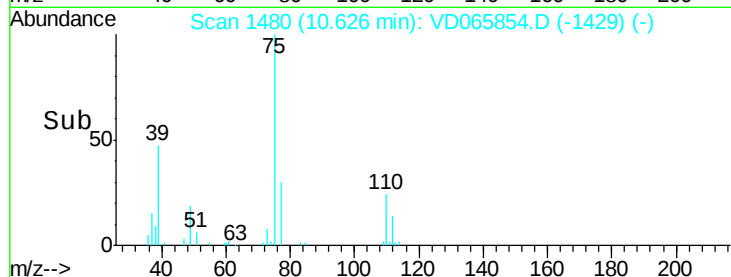
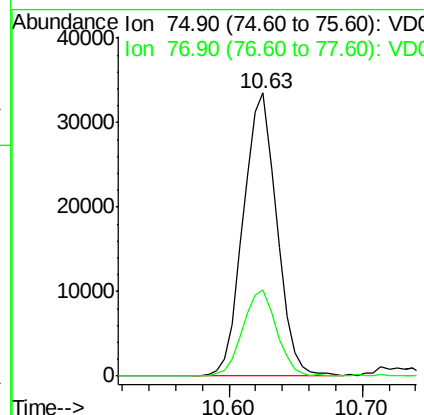
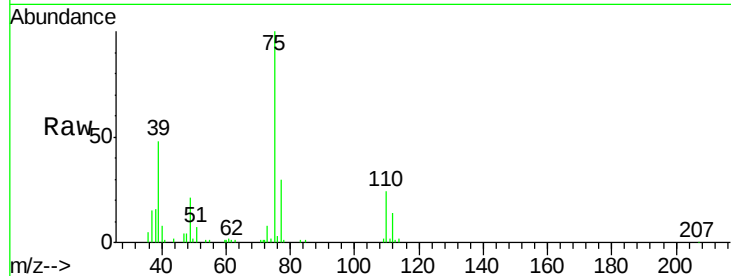
#53
t-1,3-Dichloropropene
Concen: 22.067 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0623SBSD01

Tot Ion: 75 Resp: 58231
Ion Ratio Lower Upper
75 100
77 30.3 26.4 39.6

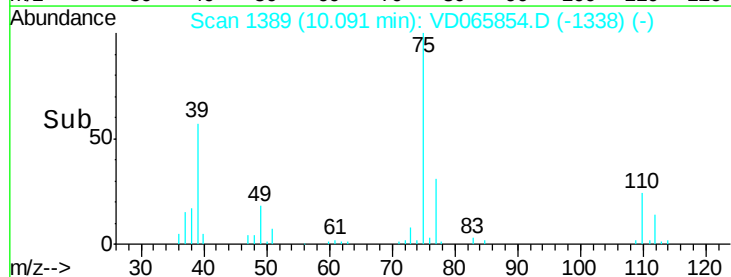
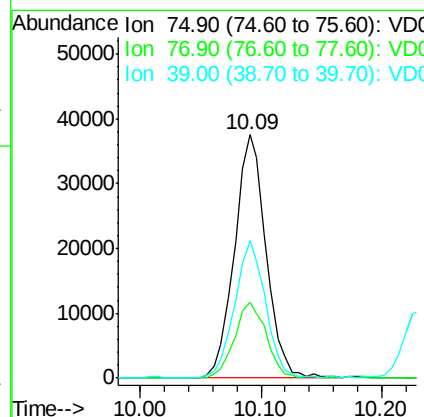
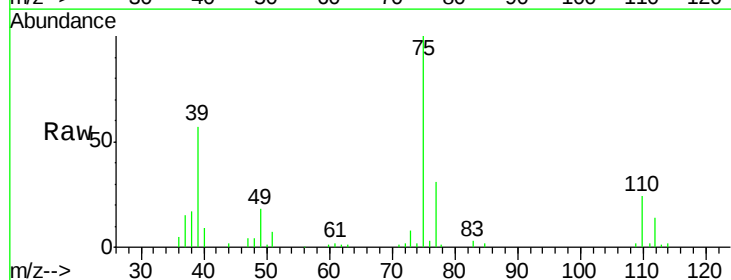
Manual Integrations
APPROVED

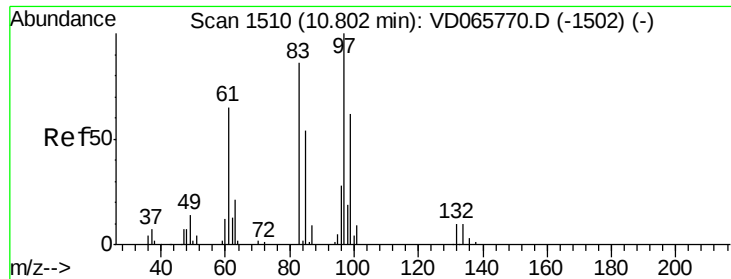
MMDadoda
6/24/2020 10:52:35 AM



#54
cis-1,3-Dichloropropene
Concen: 21.897 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Tgt Ion: 75 Resp: 68243
Ion Ratio Lower Upper
75 100
77 31.1 26.0 39.0
39 56.6 45.0 67.6





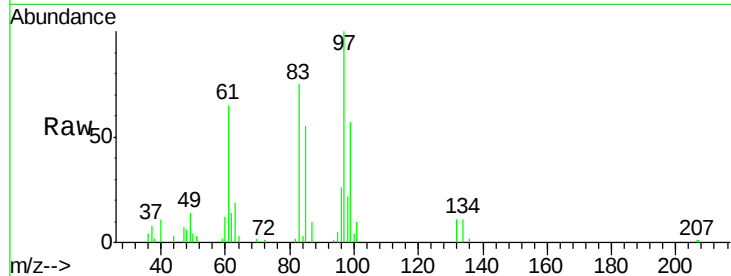
#55
 1,1,2-Trichloroethane
 Concen: 21.850 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD065854.D
 Acq: 23 Jun 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0623SBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	74.9	68.7	103.1
85	55.4	43.0	64.6
99	56.5	49.8	74.6

Manual Integrations
 APPROVED

MMDadoda
 6/24/2020 10:52:35 AM

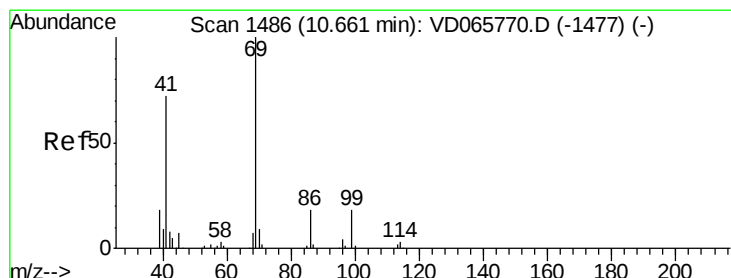
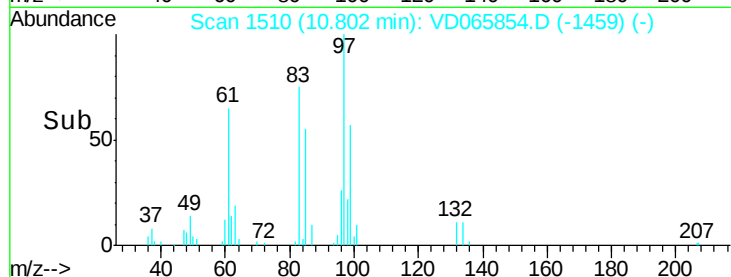
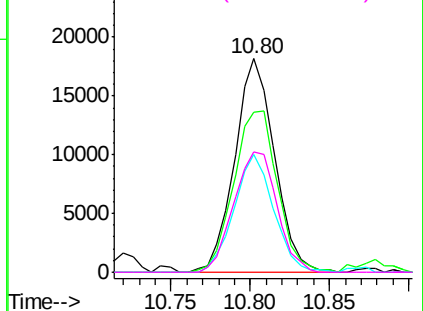


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

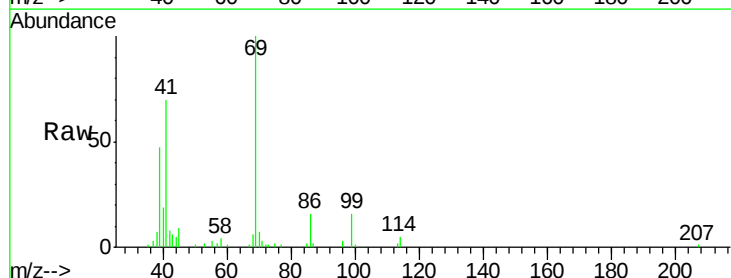
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 21.088 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD065854.D
 Acq: 23 Jun 2020 12:31

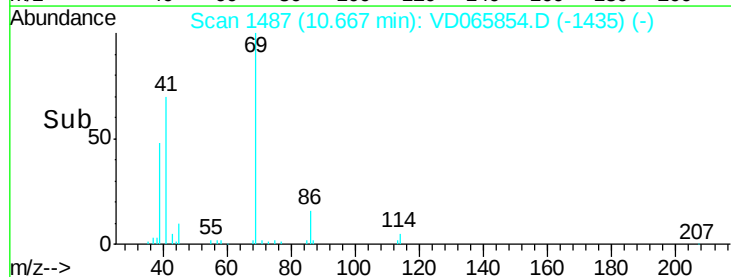
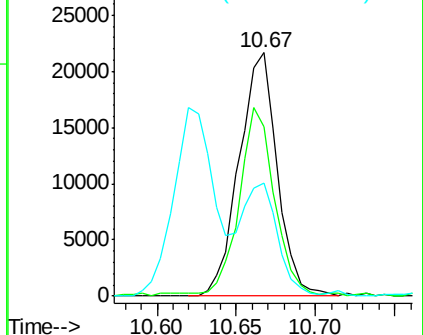
Tgt Ion	Ratio	Lower	Upper
69	100		
41	72.7	56.9	85.3
39	44.8	36.0	54.0

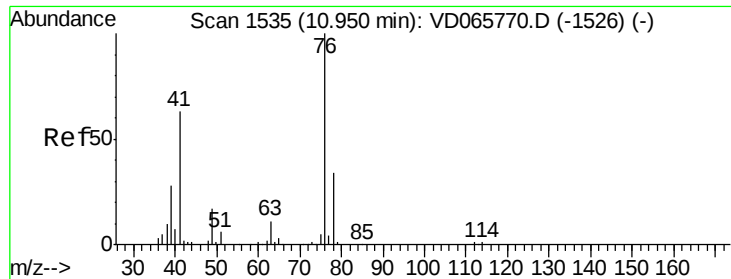


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 21.289 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0623SBSD01

Tot Ion: 76 Resp: 53593

Ion Ratio Lower Upper

76 100

78 33.2

26.3

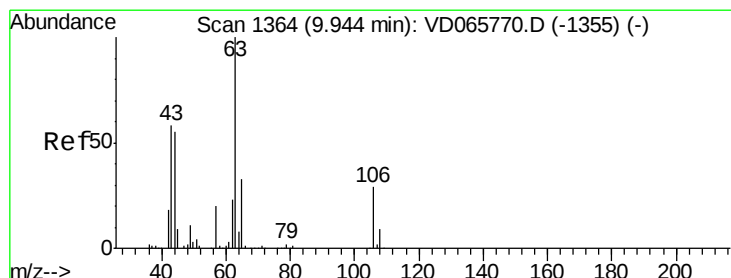
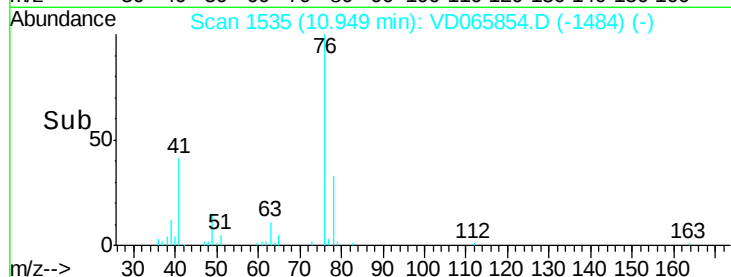
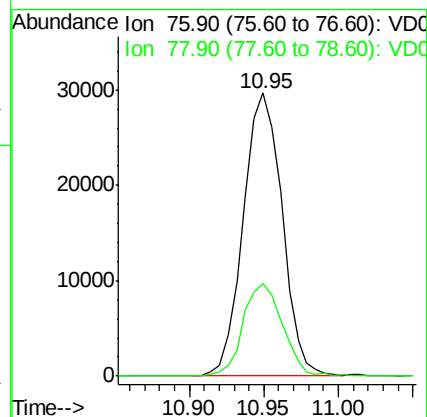
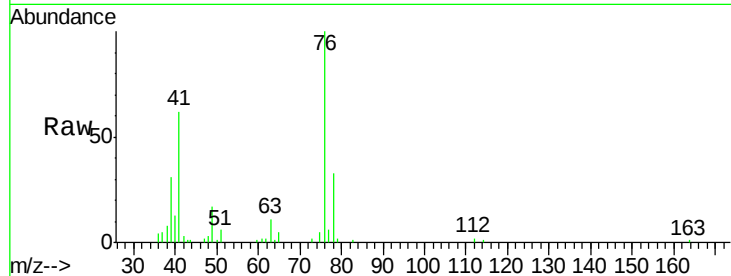
39.5

Manual Integrations

APPROVED

MMDadoda

6/24/2020 10:52:35 AM



#58

2-Chloroethyl Vinyl ether

Concen: 96.164 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

Tgt Ion: 63 Resp: 76409

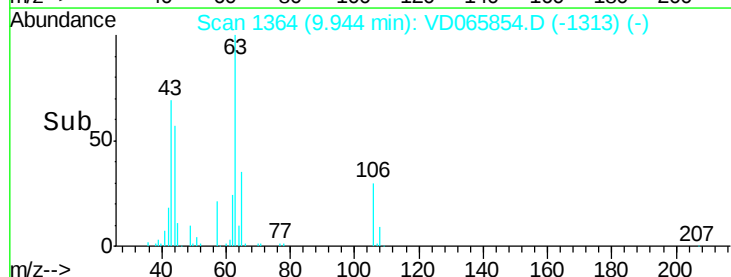
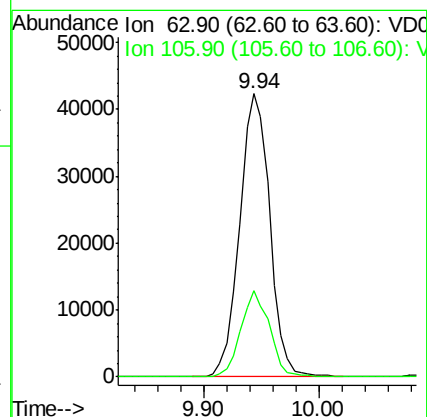
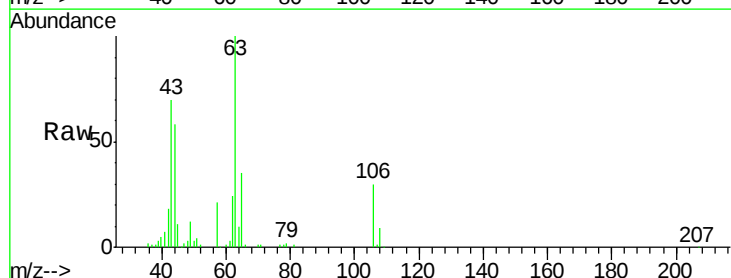
Ion Ratio Lower Upper

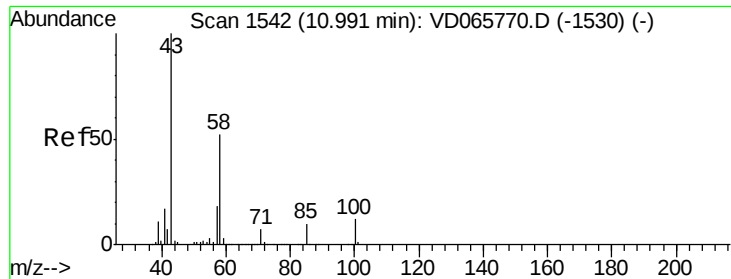
63 100

106 29.0

23.2

34.8





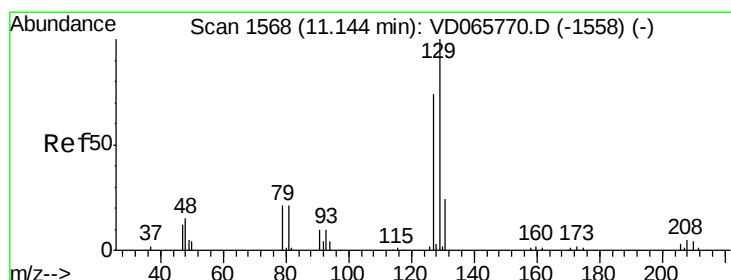
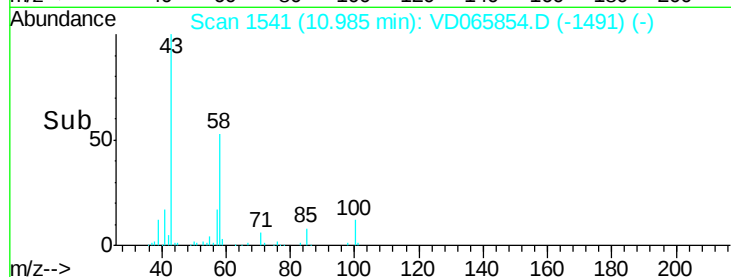
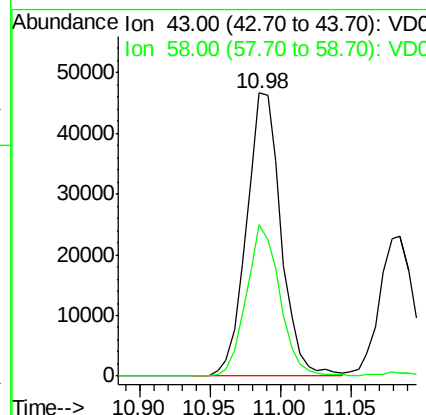
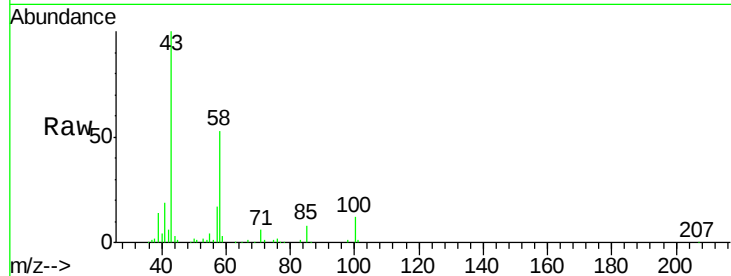
#59
2-Hexanone
Concen: 106.209 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0623SBSD01

Tot Ion: 43 Resp: 80220
Ion Ratio Lower Upper
43 100
58 51.7 25.7 77.0

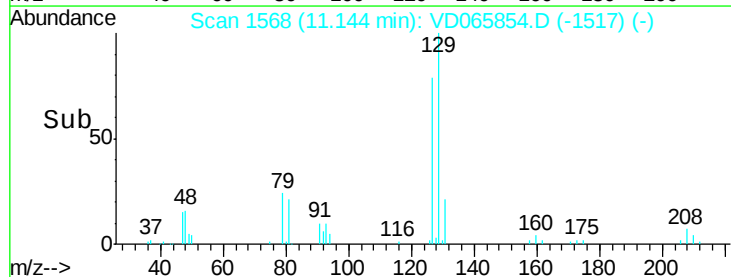
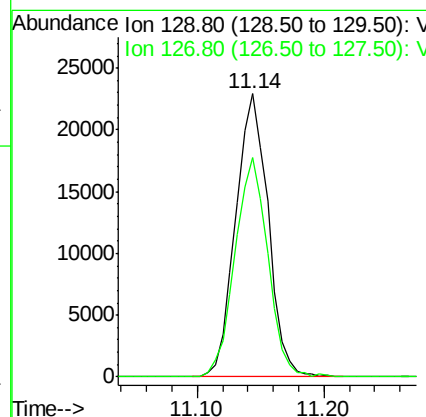
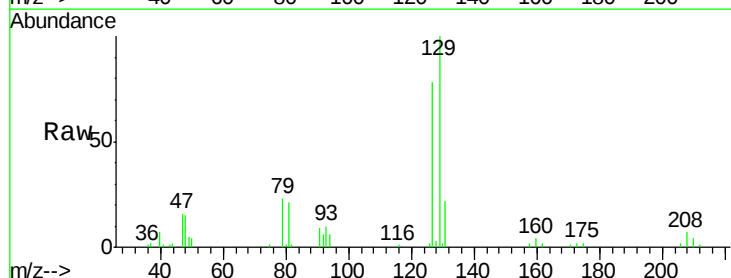
Manual Integrations
APPROVED

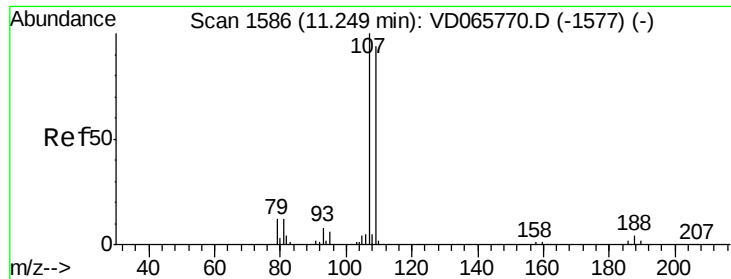
MMDadoda
6/24/2020 10:52:35 AM



#60
Dibromochloromethane
Concen: 20.730 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Tgt Ion: 129 Resp: 40690
Ion Ratio Lower Upper
129 100
127 77.9 38.0 113.9





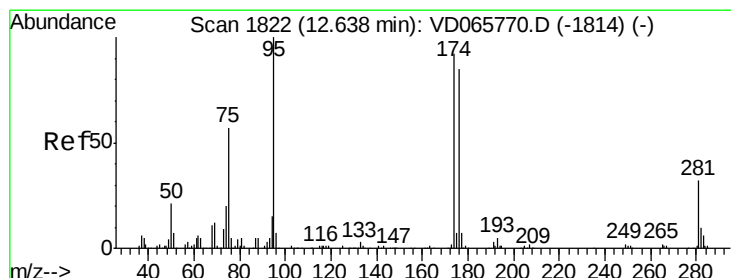
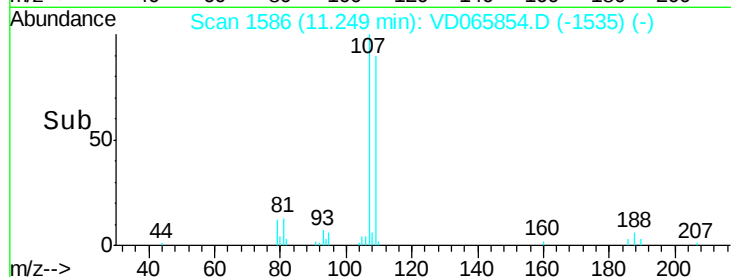
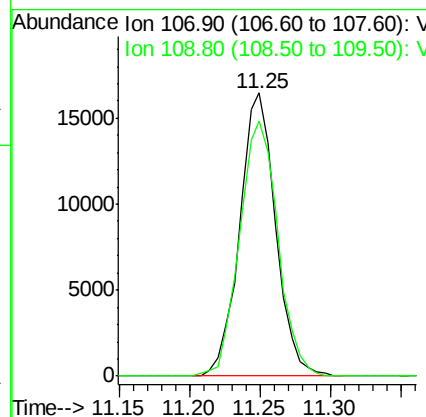
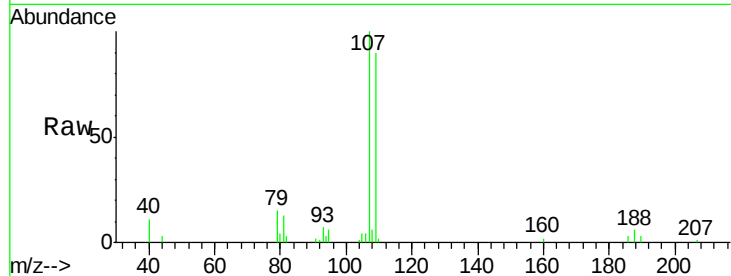
#61
 1,2-Dibromoethane
 Concen: 20.517 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065854.D
 Acq: 23 Jun 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0623SBSD01

Tot Ion: 107 Resp: 29297
 Ion Ratio Lower Upper
 107 100
 109 96.2 74.4 111.6

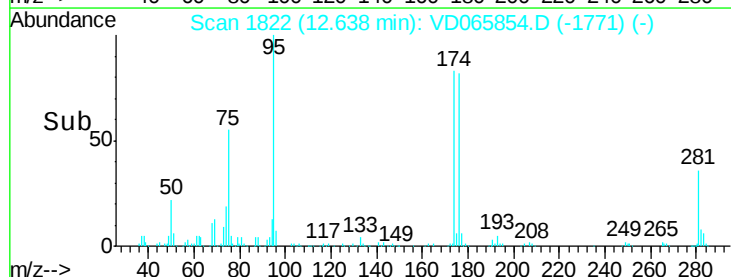
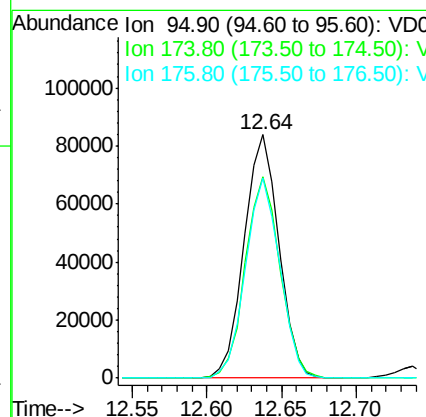
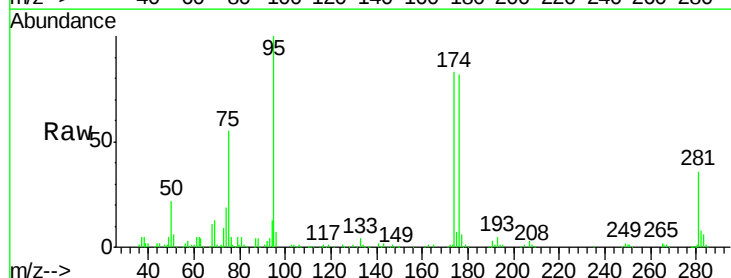
Manual Integrations
 APPROVED

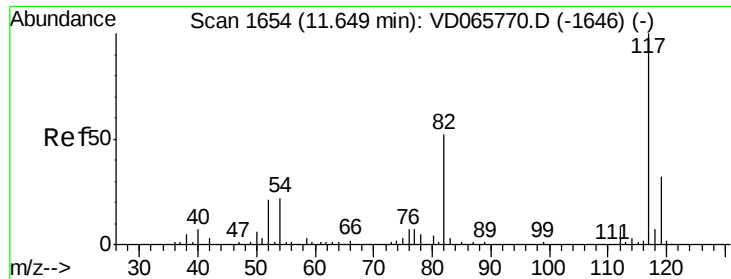
MMDadoda
 6/24/2020 10:52:35 AM



#62
 4-Bromofluorobenzene
 Concen: 55.535 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065854.D
 Acq: 23 Jun 2020 12:31

Tgt Ion: 95 Resp: 135175
 Ion Ratio Lower Upper
 95 100
 174 82.7 0.0 175.2
 176 80.8 0.0 163.0





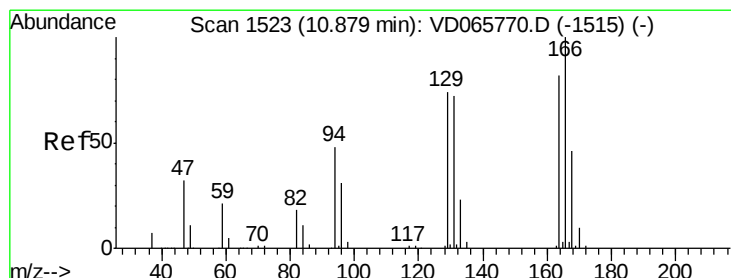
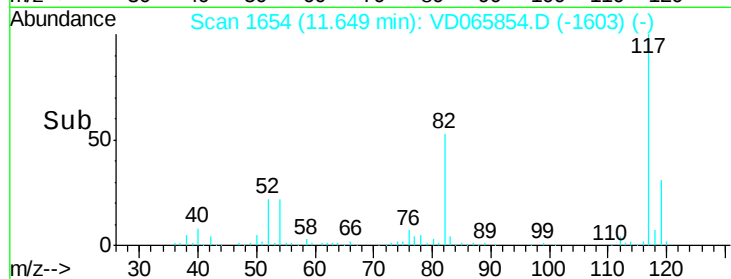
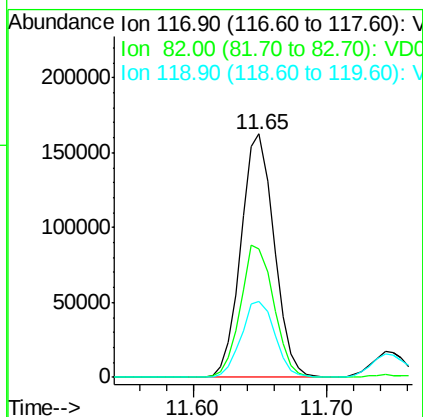
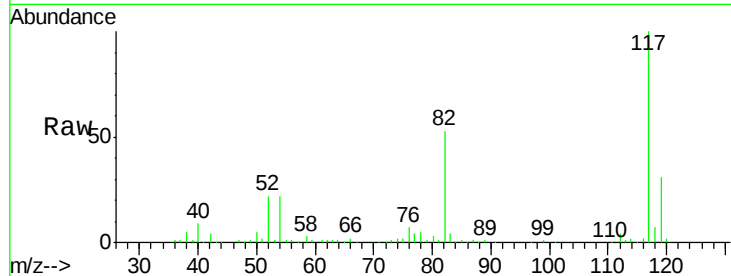
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0623SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	41.9	62.9
119	31.2	25.3	37.9

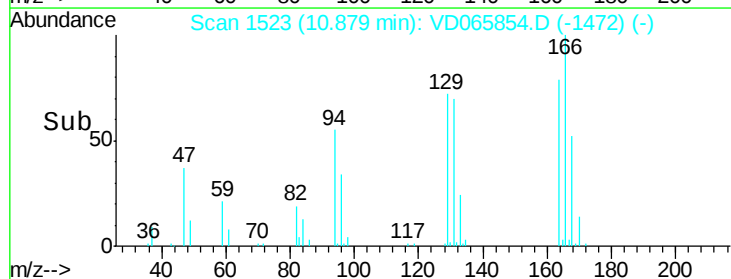
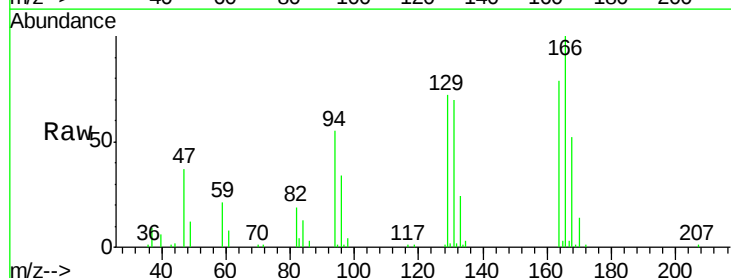
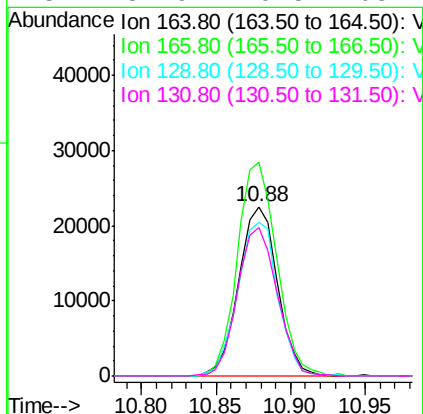
Manual Integrations
APPROVED

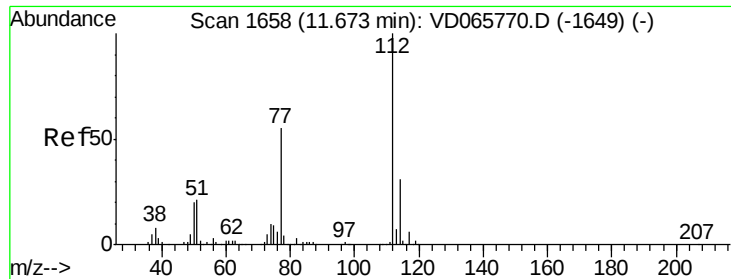
MMDadoda
6/24/2020 10:52:35 AM



#64
Tetrachloroethene
Concen: 21.502 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	98.2	147.2
129	90.9	72.3	108.5
131	87.9	70.5	105.7





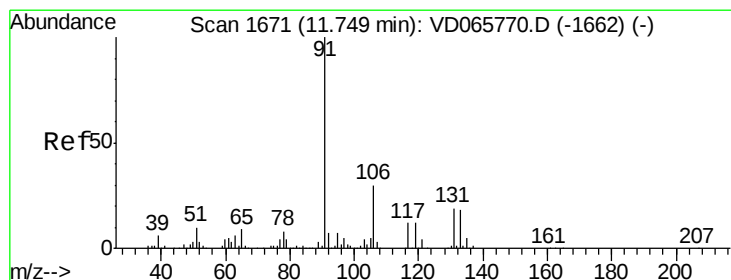
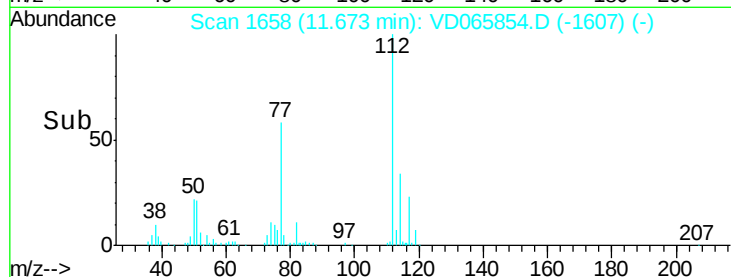
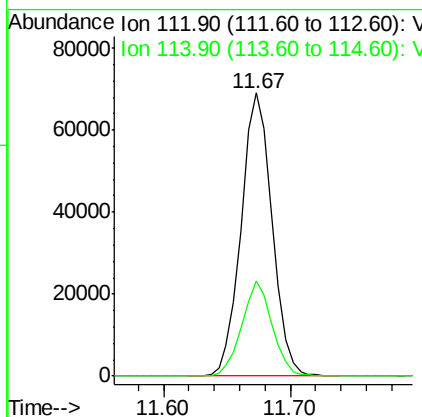
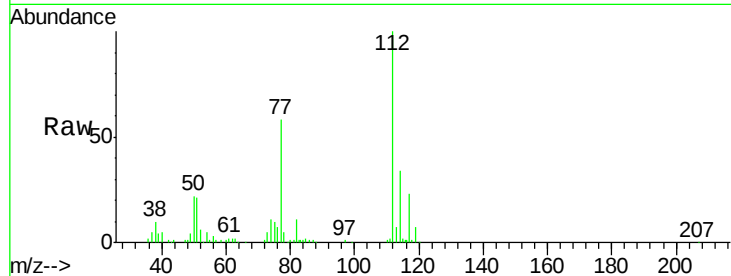
#65
Chlorobenzene
Concen: 21.426 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0623SBS01

Tot Ion:112 Resp: 117048
Ion Ratio Lower Upper
112 100
114 33.7 24.7 37.1

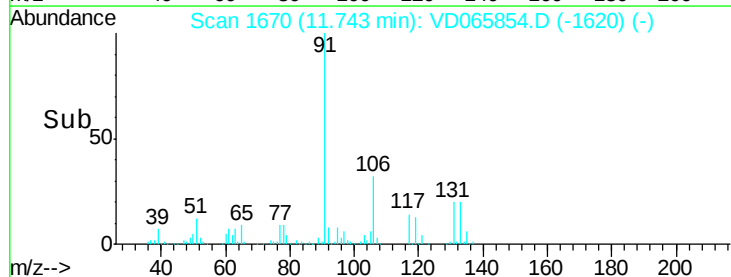
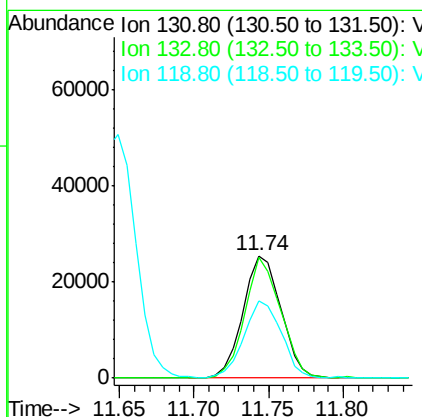
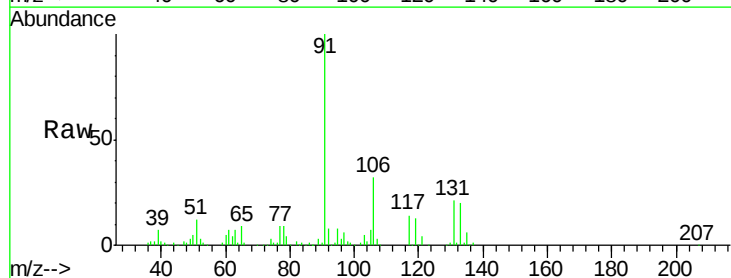
Manual Integrations
APPROVED

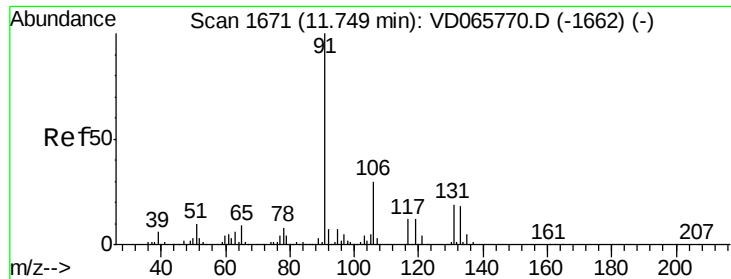
MMDadoda
6/24/2020 10:52:35 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 22.030 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Tgt Ion:131 Resp: 44859
Ion Ratio Lower Upper
131 100
133 92.9 47.3 141.9
119 62.3 31.6 94.8





#67

Ethyl Benzene

Concen: 22.128 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0623SBS01

Tot Ion: 91 Resp: 215940

Ion Ratio Lower Upper

91 100

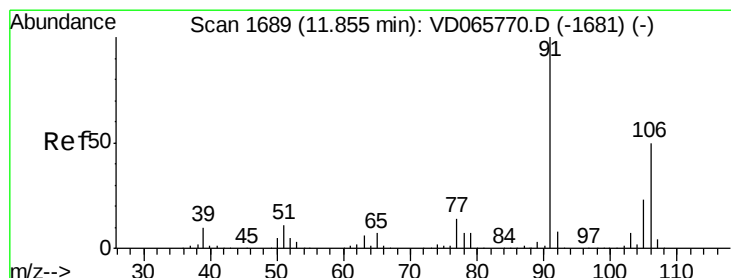
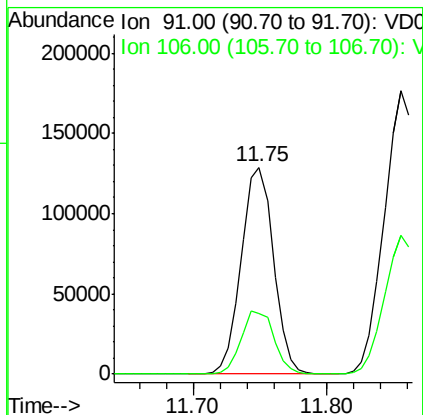
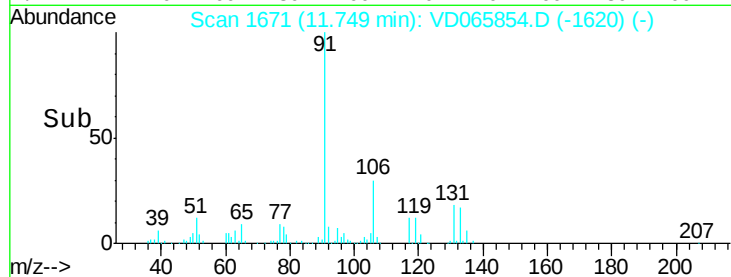
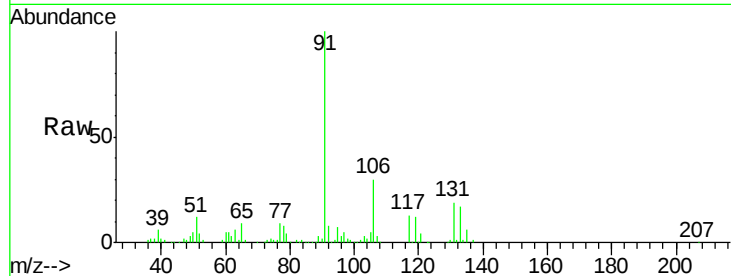
106 29.6 24.1 36.1

Manual Integrations

APPROVED

MMDadoda

6/24/2020 10:52:35 AM



#68

m/p-Xylenes

Concen: 43.947 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD065854.D

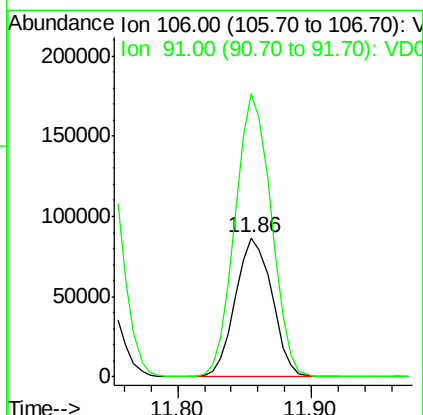
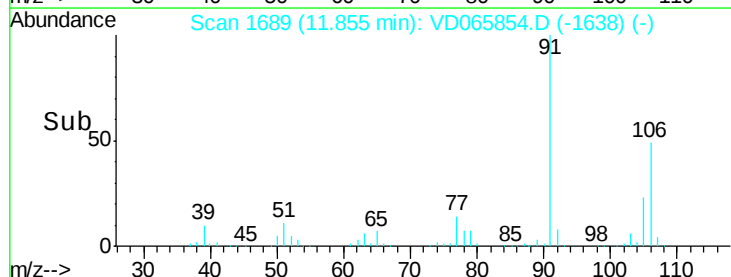
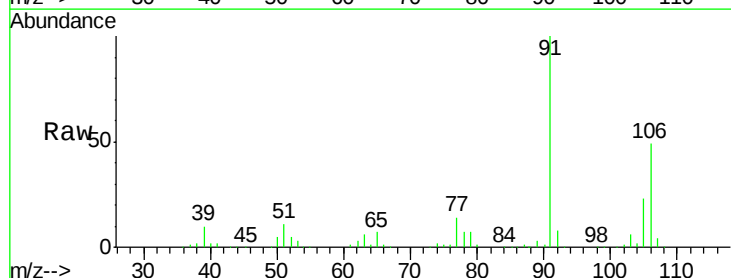
Acq: 23 Jun 2020 12:31

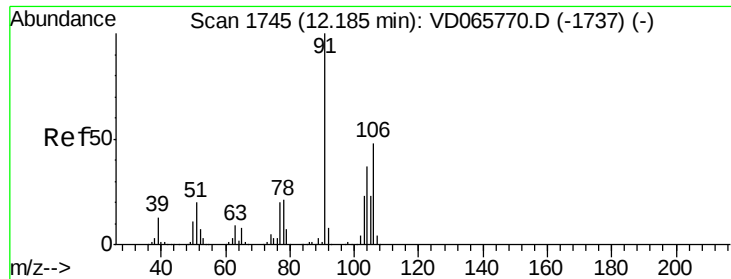
Tgt Ion: 106 Resp: 165196

Ion Ratio Lower Upper

106 100

91 201.3 159.4 239.2





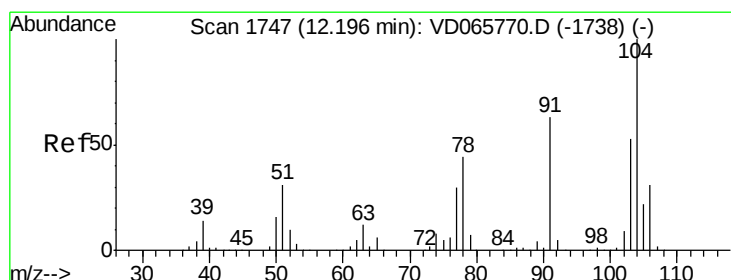
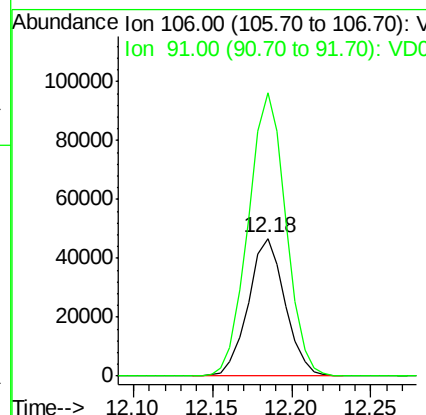
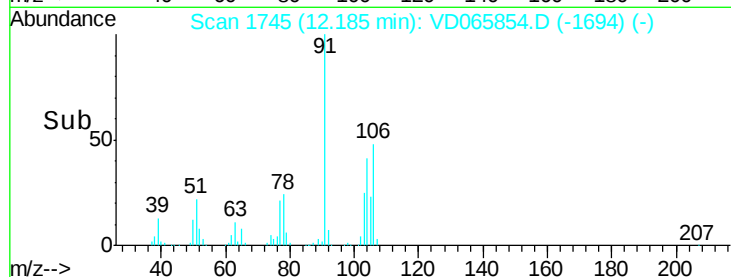
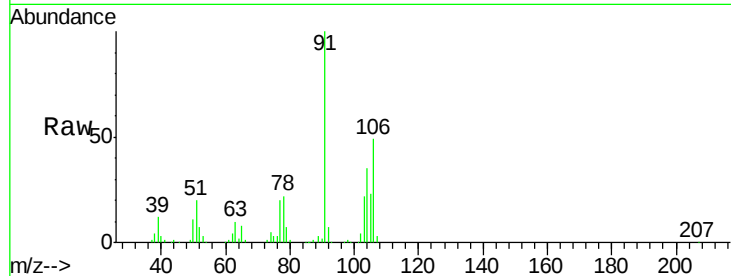
#69
o-Xylene
Concen: 22.294 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Instrument :
MSVOA_D
ClientSampleID :
VD0623SBS01

Tot Ion:106 Resp: 75559
Ion Ratio Lower Upper
106 100
91 210.8 105.3 315.8

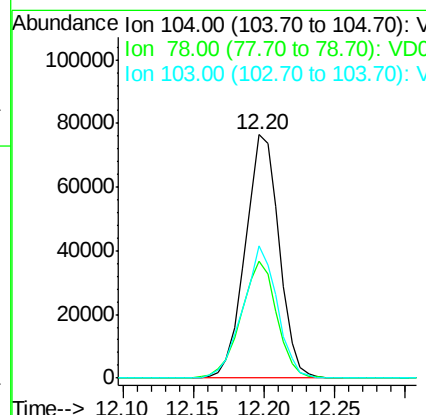
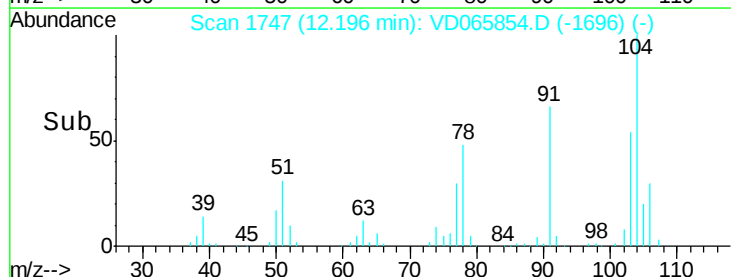
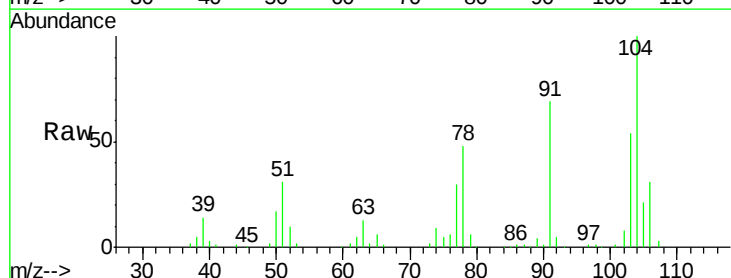
Manual Integrations
APPROVED

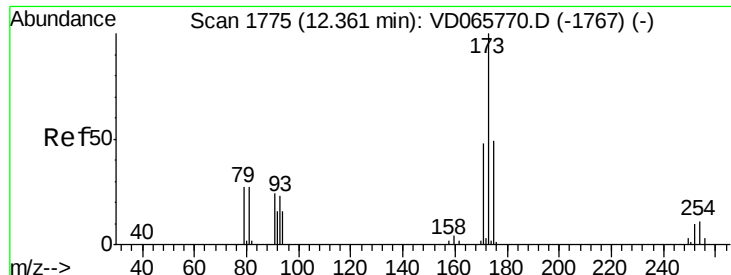
MMDadoda
6/24/2020 10:52:35 AM



#70
Styrene
Concen: 21.980 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Tgt Ion:104 Resp: 128958
Ion Ratio Lower Upper
104 100
78 50.5 38.6 58.0
103 55.0 43.9 65.9





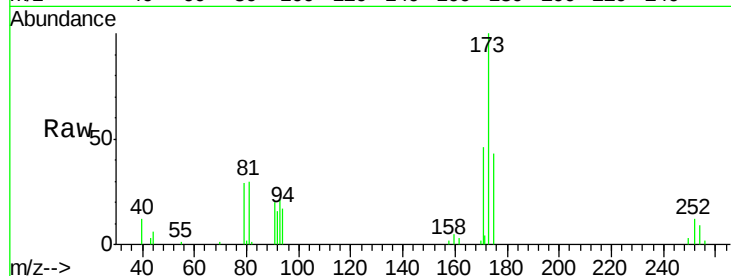
#71
Bromoform
Concen: 20.840 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0623SBS01

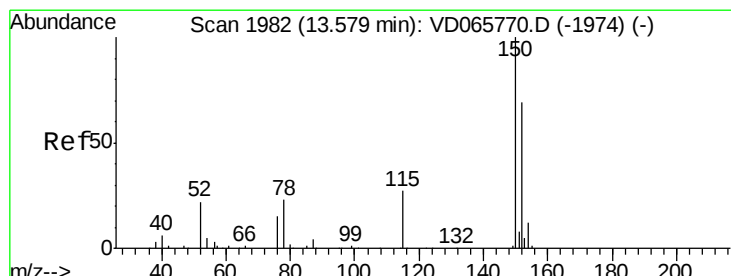
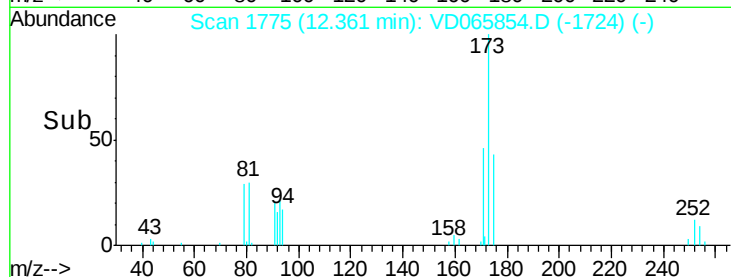
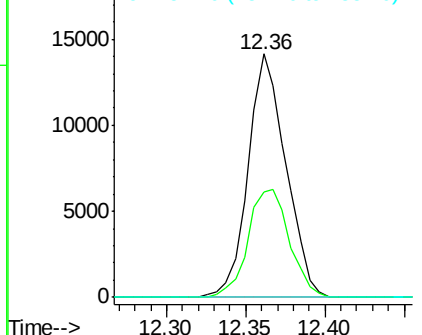
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.8	74.4
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
6/24/2020 10:52:35 AM

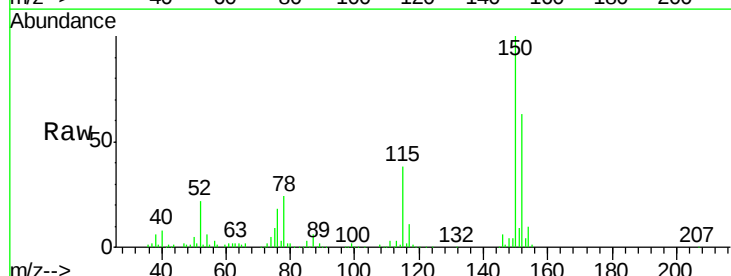


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

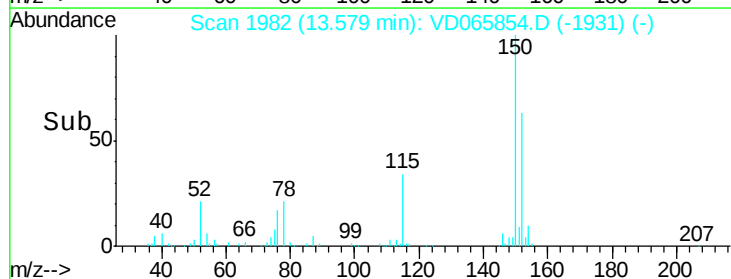
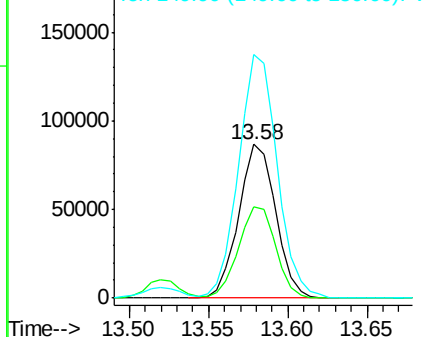


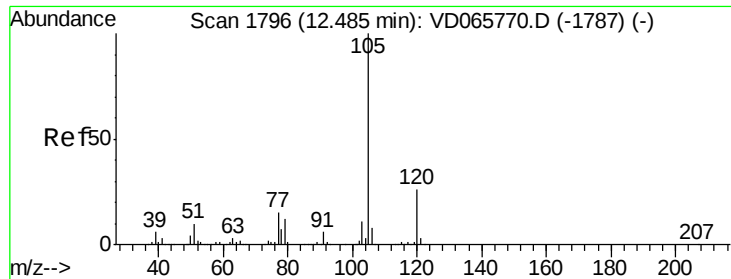
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.6	28.7	86.1
150	165.0	0.0	348.0



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





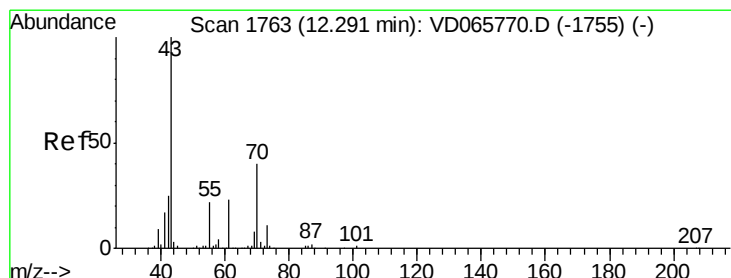
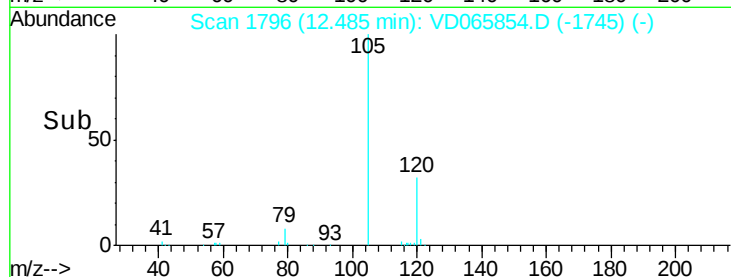
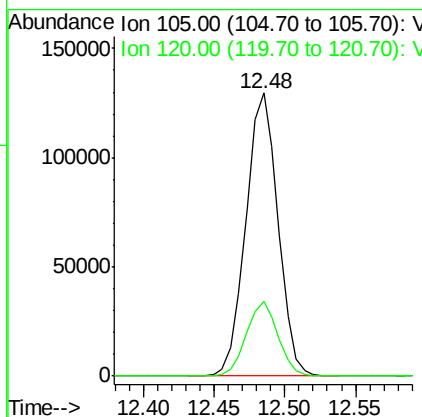
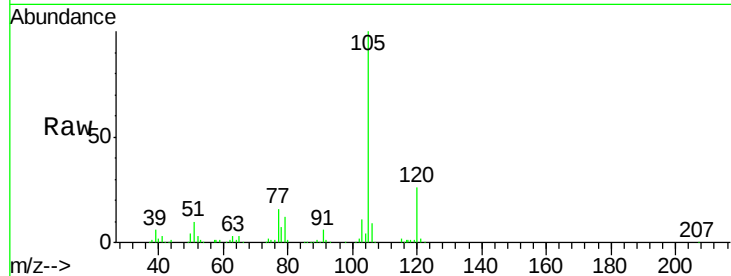
#73
Isopropylbenzene
Concen: 21.906 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0623SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	207059		
120	26.0		13.5	40.5

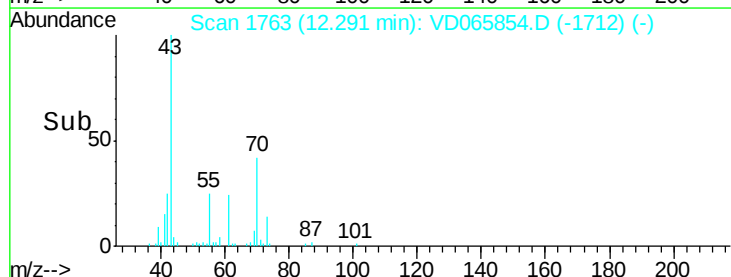
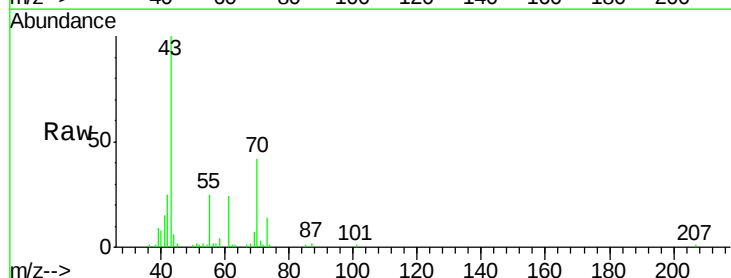
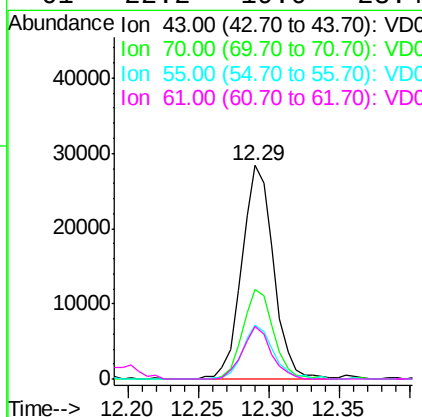
Manual Integrations
APPROVED

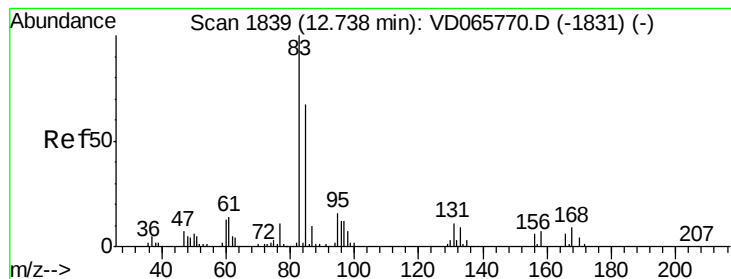
MMDadoda
6/24/2020 10:52:35 AM



#74
N-ethyl acetate
Concen: 21.161 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	44499		
70	40.7		32.3	48.5
55	24.7		19.0	28.4
61	22.2		19.0	28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.686 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

Instrument :

MSVOA_D

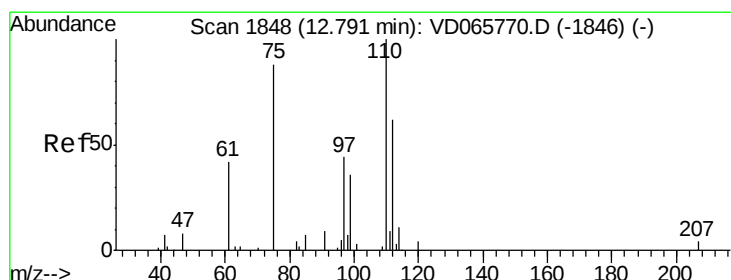
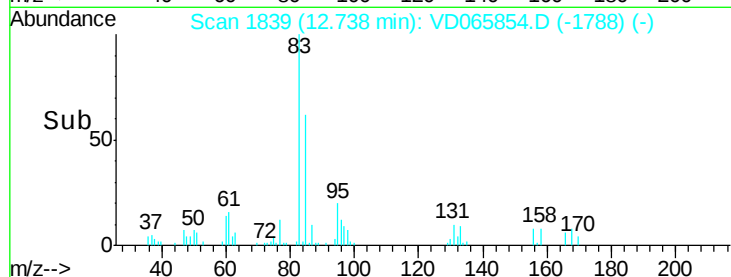
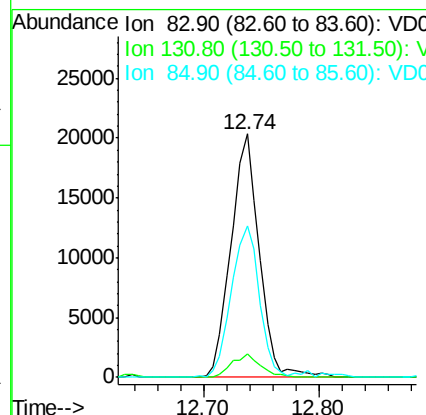
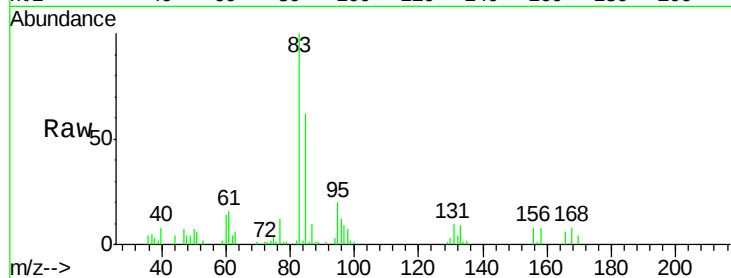
ClientSampleId :

VD0623SBSD01

Tot Ion:	83	Resp:	34618
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.5	16.4
85	61.5	32.5	97.5

Manual Integrations
APPROVED

MMDadoda
6/24/2020 10:52:35 AM



#76

1,2,3-Trichloropropane

Concen: 22.521 ug/l m

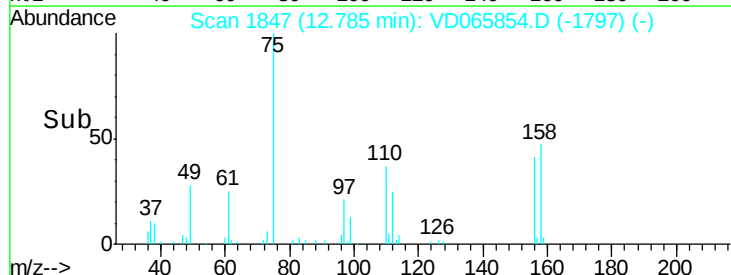
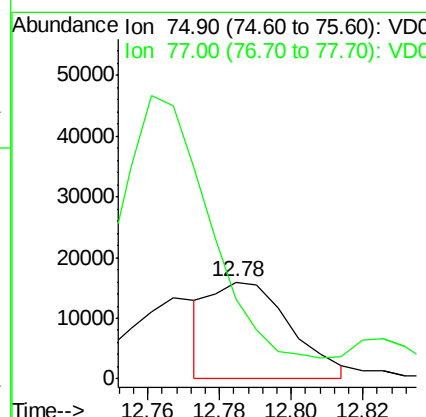
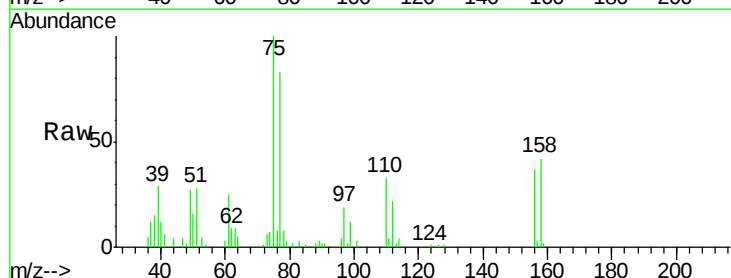
RT: 12.78 min Scan# 1847

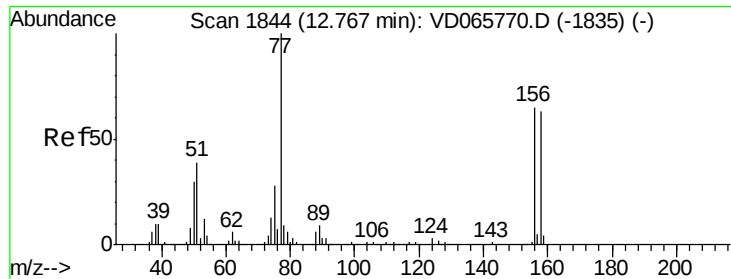
Delta R.T. -0.01 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

Tgt Ion:	75	Resp:	24693
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.523 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

Instrument :

MSVOA_D

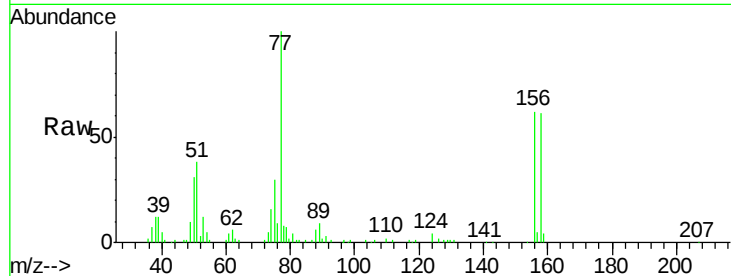
ClientSampleId :

VD0623SBS01

Tot Ion:	156	Resp:	48135
Ion	Ratio	Lower	Upper
156	100		
77	182.2	87.3	261.8
158	99.7	48.0	144.0

Manual Integrations
APPROVED

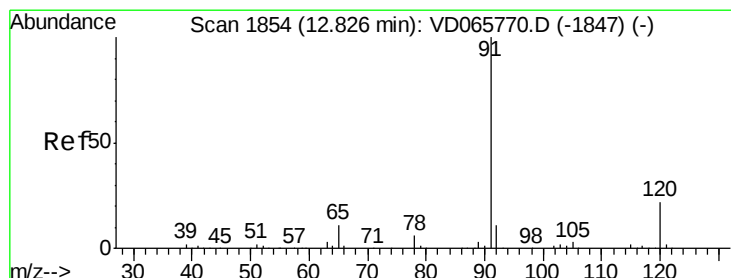
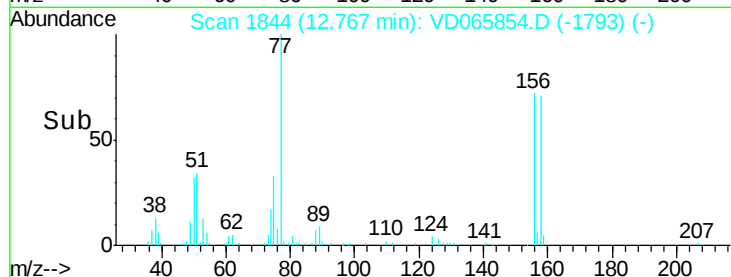
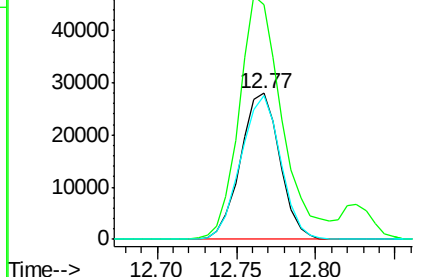
MMDadoda
6/24/2020 10:52:35 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.178 ug/l

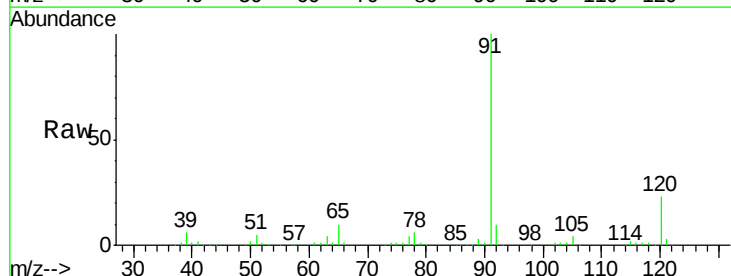
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065854.D

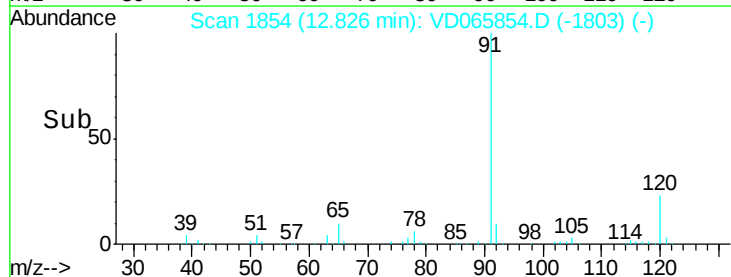
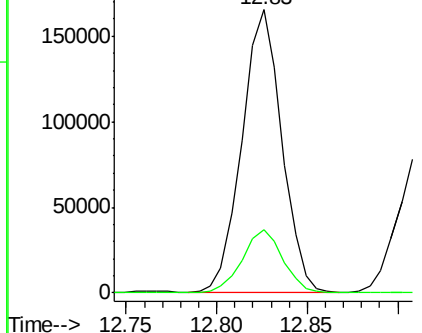
Acq: 23 Jun 2020 12:31

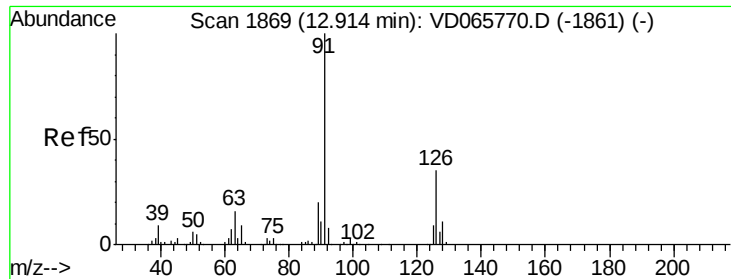
Tgt Ion:	91	Resp:	252338
Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.3	33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.947 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0623SBS01

Tot Ion: 91 Resp: 136985

Ion Ratio Lower Upper

91 100

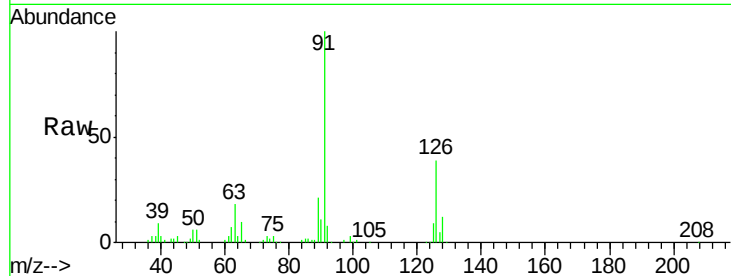
126 36.0 17.5 52.6

Manual Integrations

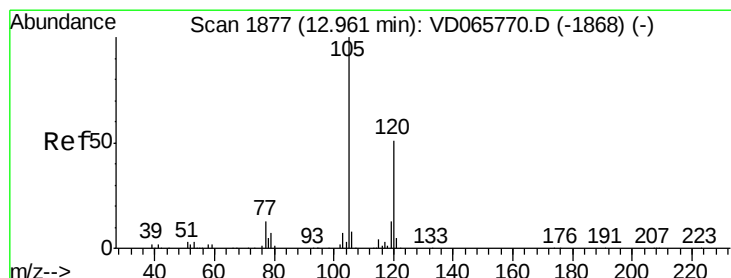
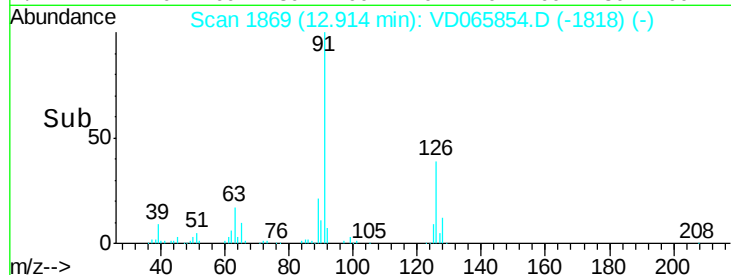
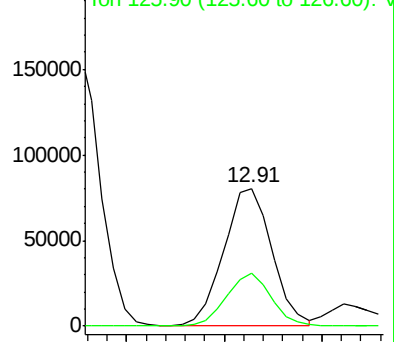
APPROVED

MMDadoda

6/24/2020 10:52:35 AM



Abundance Ion 91.00 (90.70 to 91.70): VD065770.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.154 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD065854.D

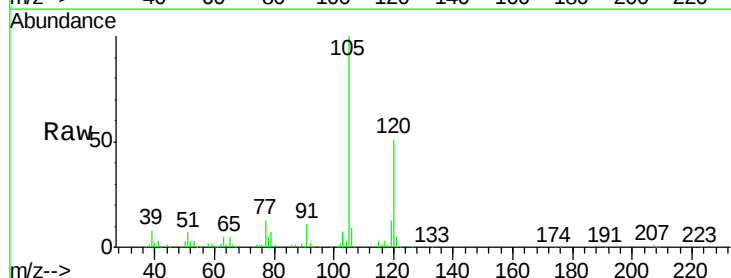
Acq: 23 Jun 2020 12:31

Tgt Ion: 105 Resp: 174264

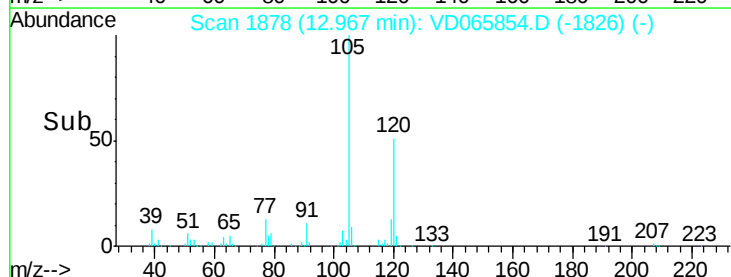
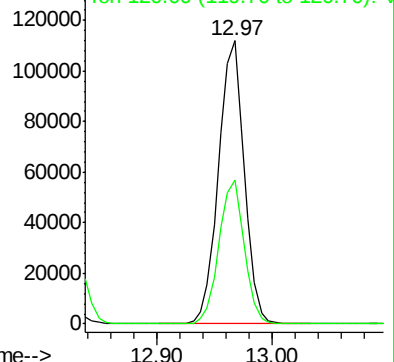
Ion Ratio Lower Upper

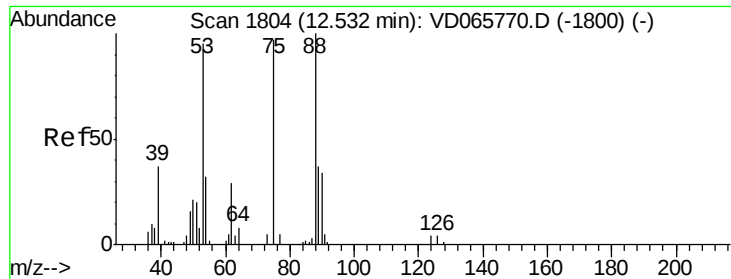
105 100

120 49.9 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): VD065770.D (-1868) (-)





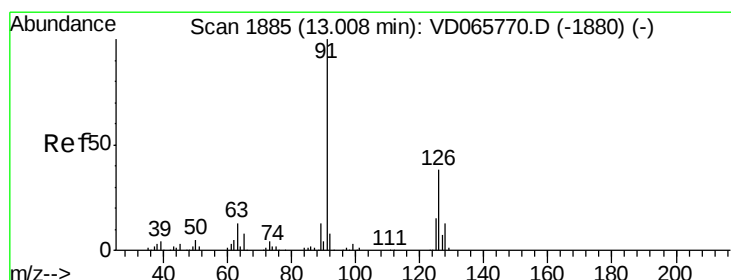
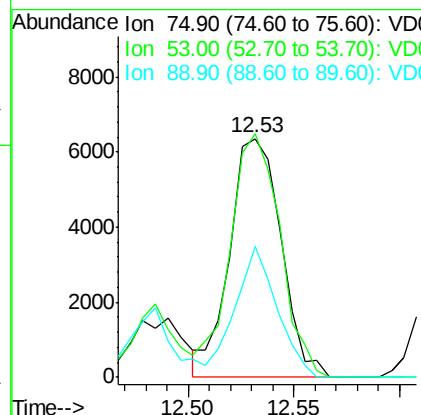
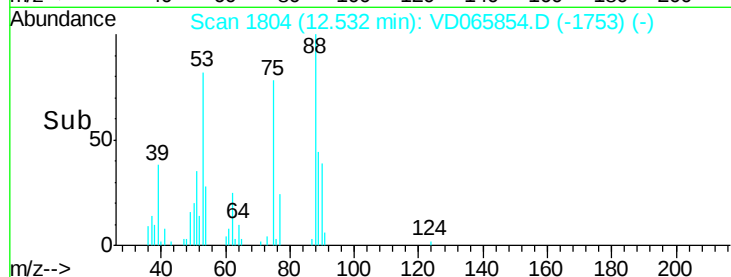
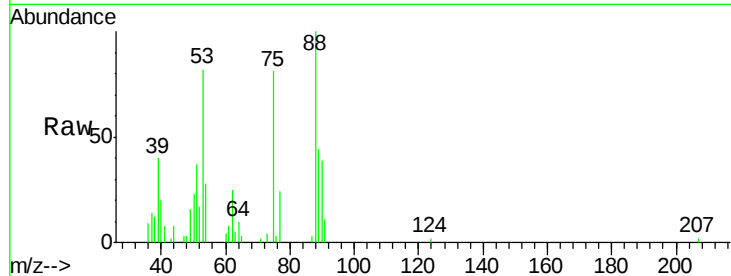
#81
trans-1,4-Dichloro-2-butene
Concen: 21.103 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0623SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.5	82.6	123.8
89	44.7	35.9	53.9

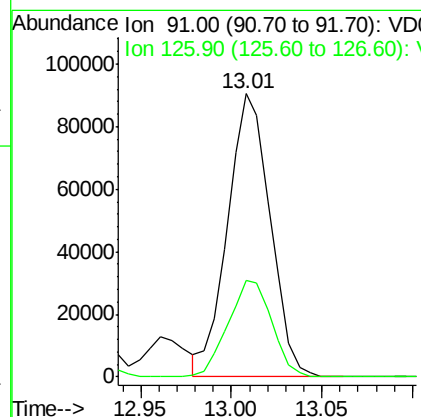
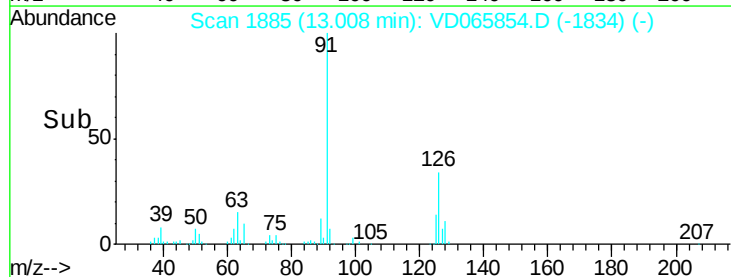
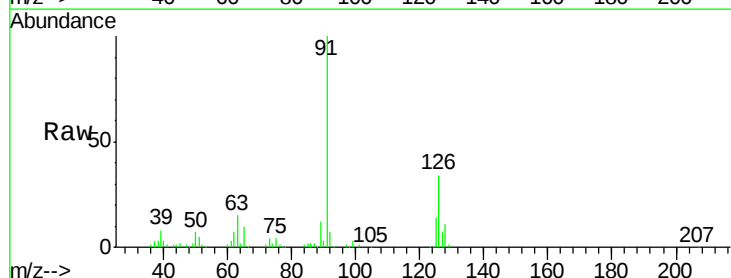
Manual Integrations
APPROVED

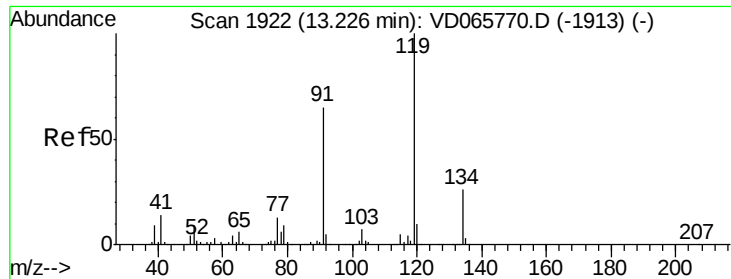
MMDadoda
6/24/2020 10:52:35 AM



#82
4-Chlorotoluene
Concen: 22.066 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.6	52.8





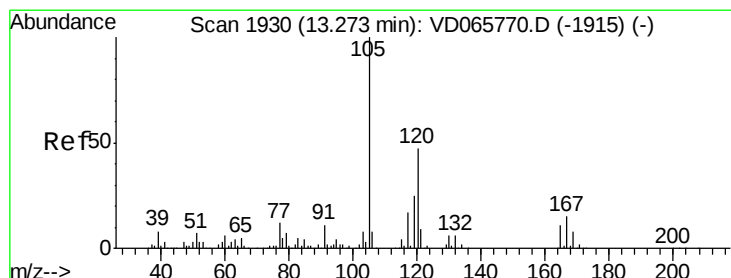
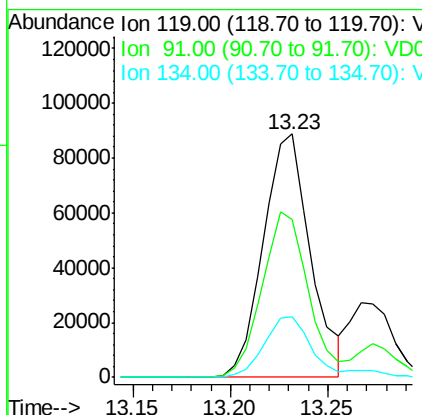
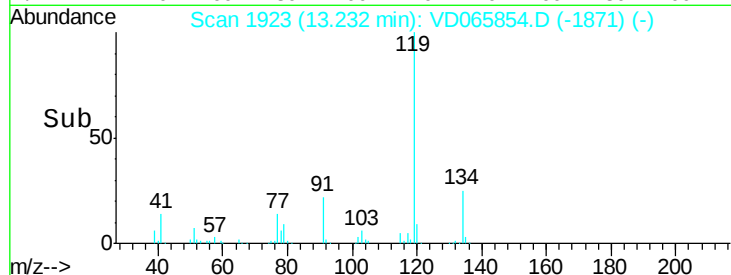
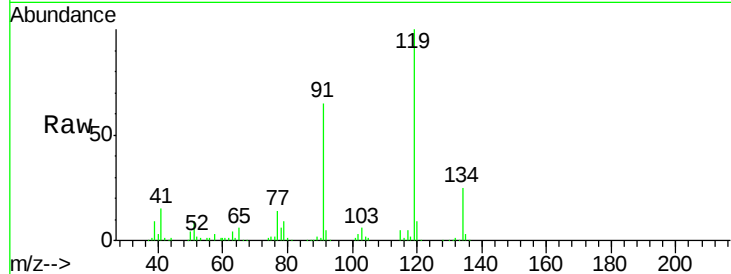
#83
tert-Butylbenzene
Concen: 21.767 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0623SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	148564		
91	66.3	32.0	96.0	
134	26.7	13.8	41.4	

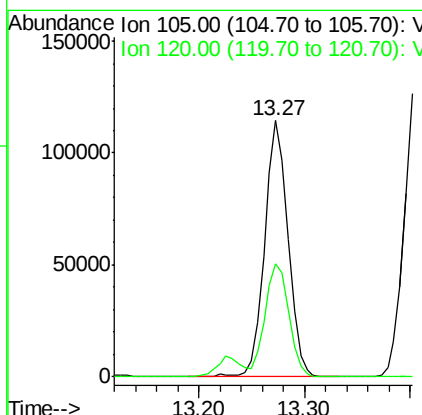
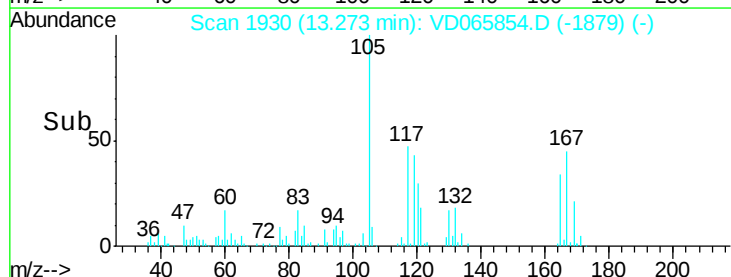
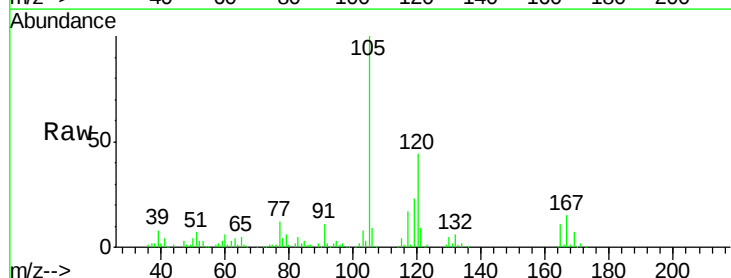
Manual Integrations
APPROVED

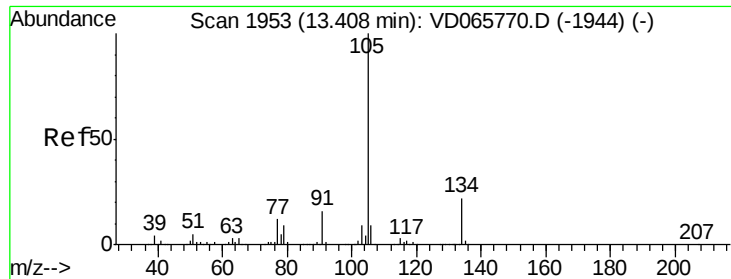
MMDadoda
6/24/2020 10:52:35 AM



#84
1,2,4-Trimethylbenzene
Concen: 22.333 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	175828		
120	44.9	23.3	69.8	





#85

sec-Butylbenzene

Concen: 22.417 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0623SBSD01

Tot Ion:105 Resp: 212926

Ion Ratio Lower Upper

105 100

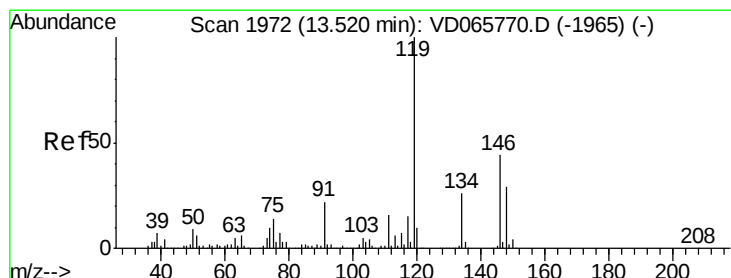
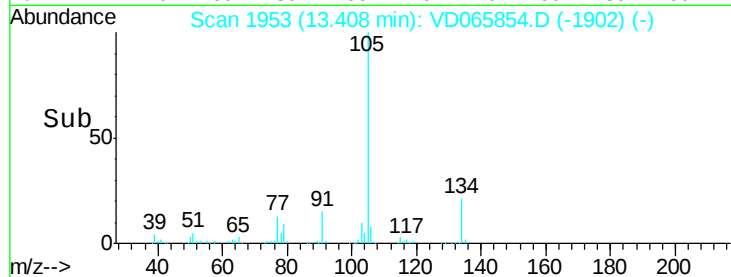
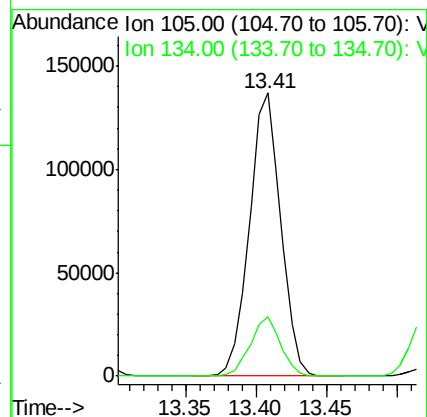
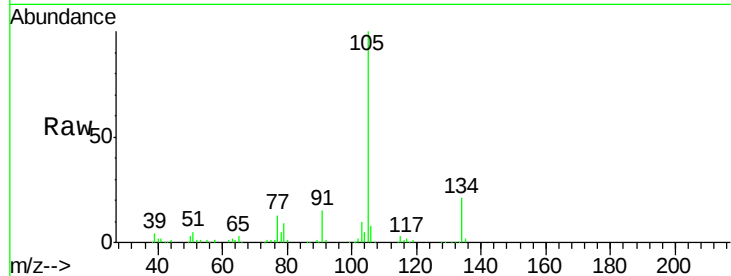
134 20.3 10.4 31.4

Manual Integrations

APPROVED

MMDadoda

6/24/2020 10:52:35 AM



#86

p-Isopropyltoluene

Concen: 22.268 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

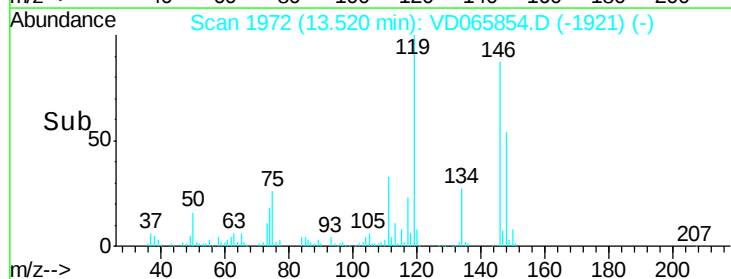
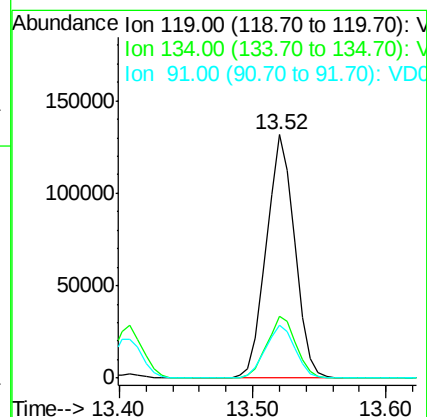
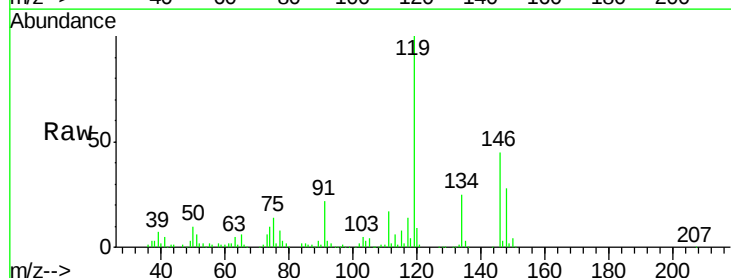
Tgt Ion:119 Resp: 193858

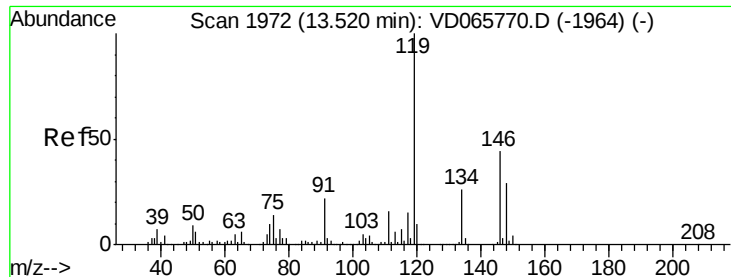
Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.9

91 22.6 11.8 35.4





#87

1,3-Dichlorobenzene

Concen: 21.382 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

Instrument :

MSVOA_D

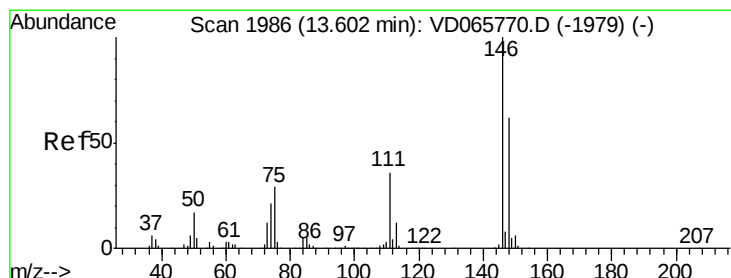
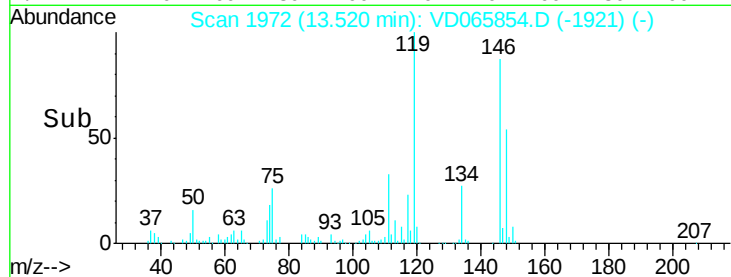
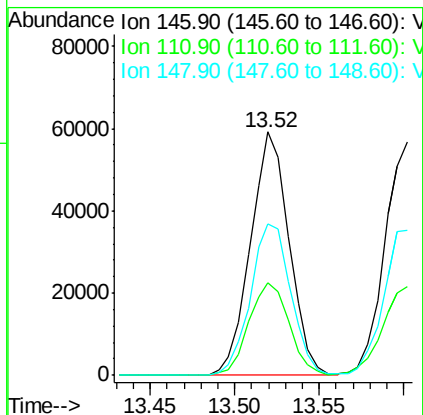
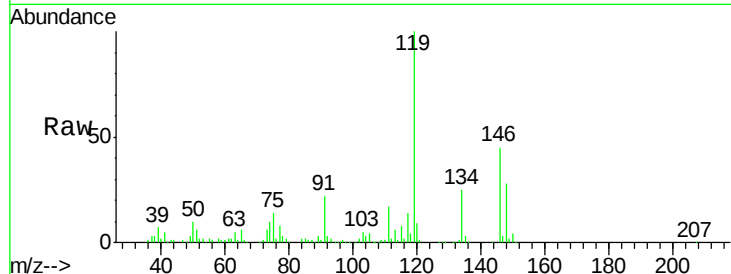
ClientSampleId :

VD0623SBS01

Tot Ion:	146	Resp:	94285
Ion Ratio	Lower	Upper	
146	100		
111	39.4	19.2	57.6
148	64.9	32.1	96.3

Manual Integrations
APPROVED

MMDadoda
6/24/2020 10:52:35 AM



#88

1,4-Dichlorobenzene

Concen: 21.299 ug/l

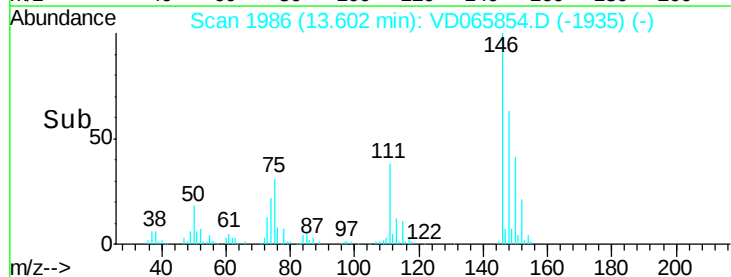
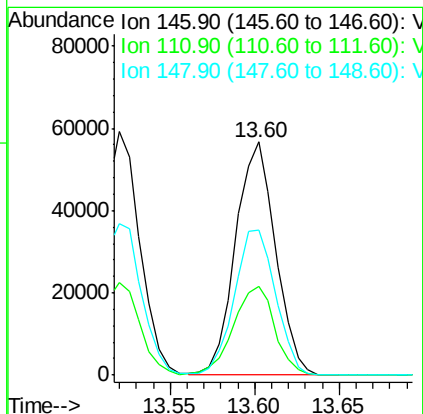
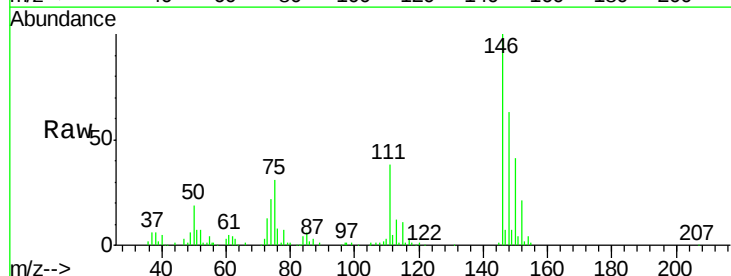
RT: 13.60 min Scan# 1986

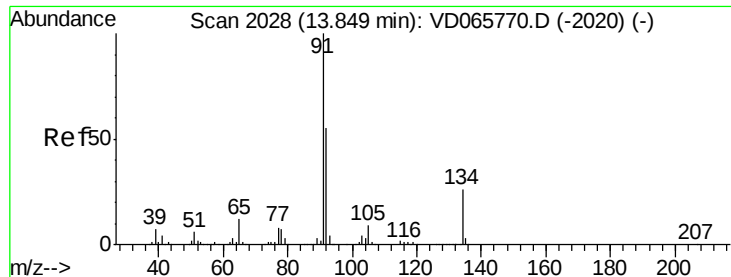
Delta R.T. -0.00 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

Tgt Ion:	146	Resp:	93425
Ion Ratio	Lower	Upper	
146	100		
111	39.6	18.9	56.7
148	64.7	31.6	94.7





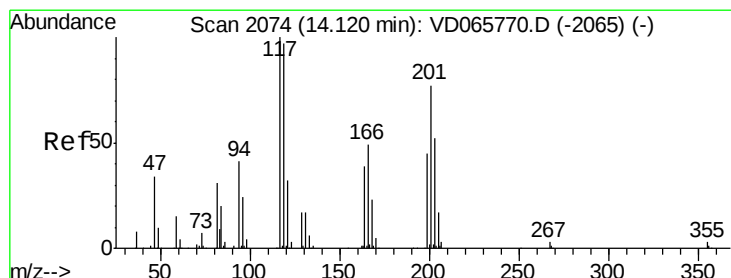
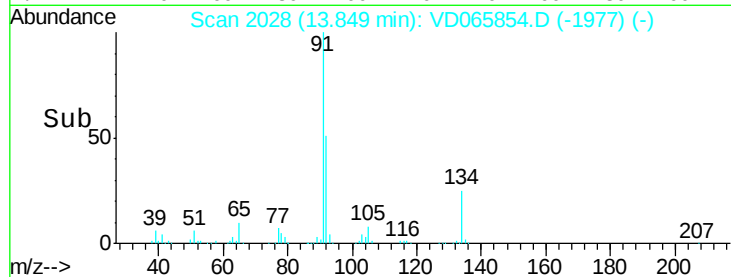
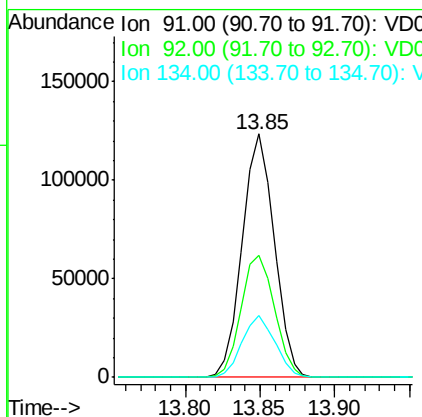
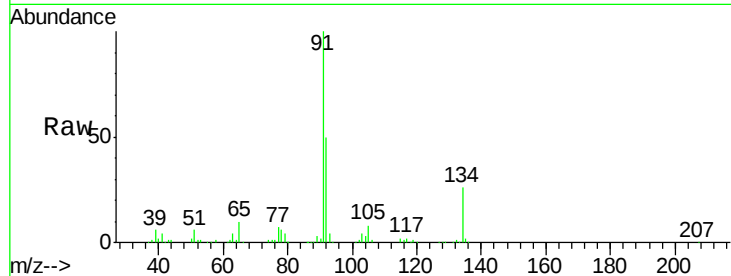
#89
n-Butylbenzene
Concen: 22.204 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0623SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	184361		
92	52.3		27.0	81.0
134	26.0		13.0	39.0

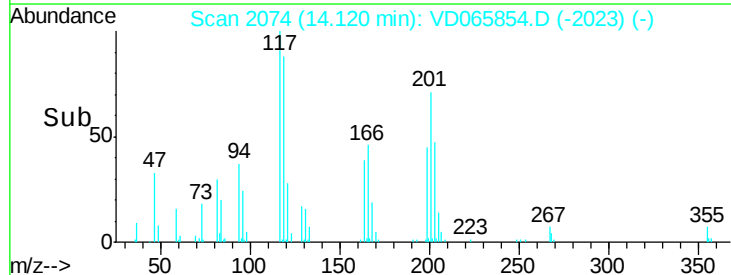
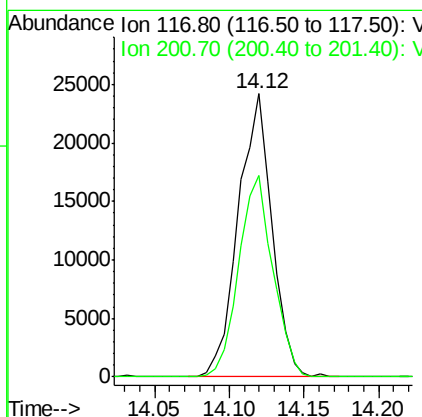
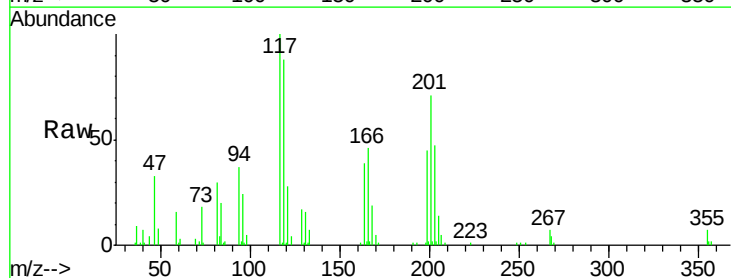
Manual Integrations
APPROVED

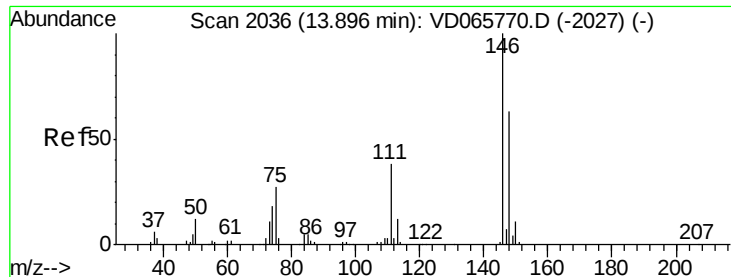
MMDadoda
6/24/2020 10:52:35 AM



#90
Hexachloroethane
Concen: 21.770 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	37936		
201	71.9		37.1	111.5





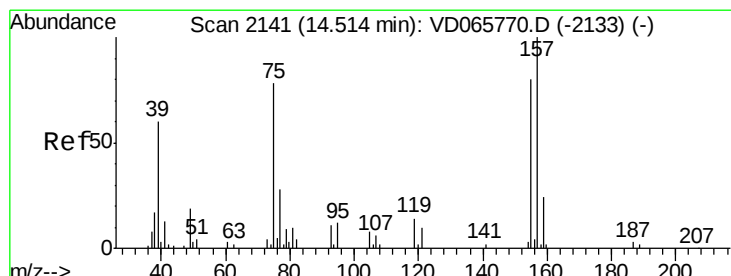
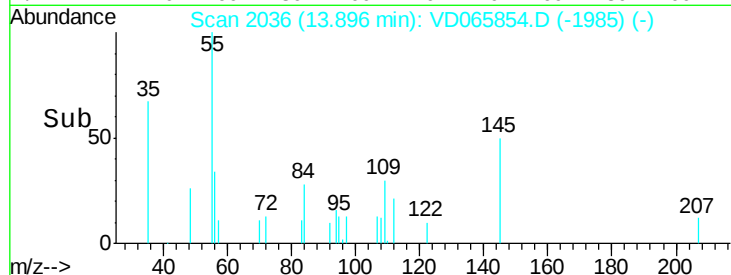
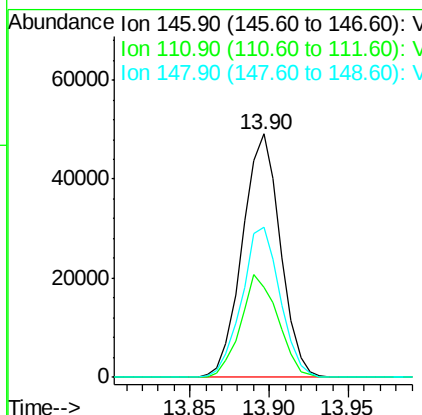
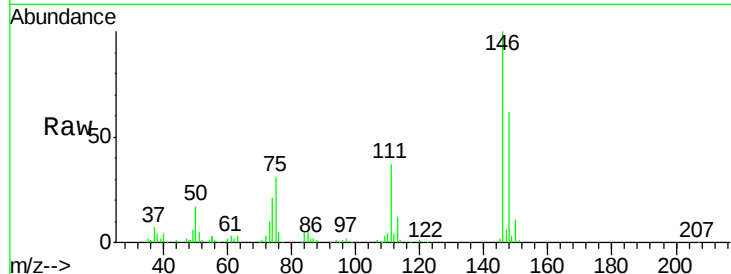
#91
 1,2-Dichlorobenzene
 Concen: 21.508 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD065854.D
 Acq: 23 Jun 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0623SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	19.8	59.4
148	62.0	31.9	95.7

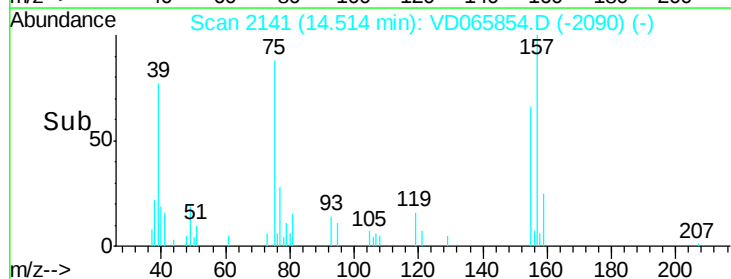
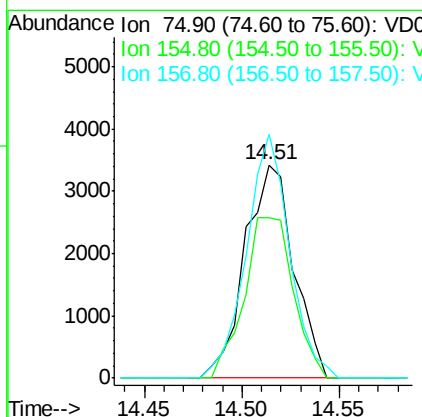
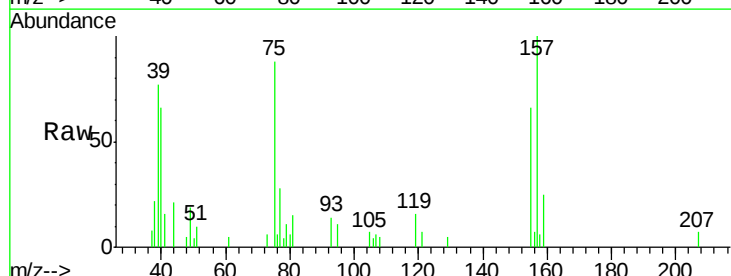
Manual Integrations
 APPROVED

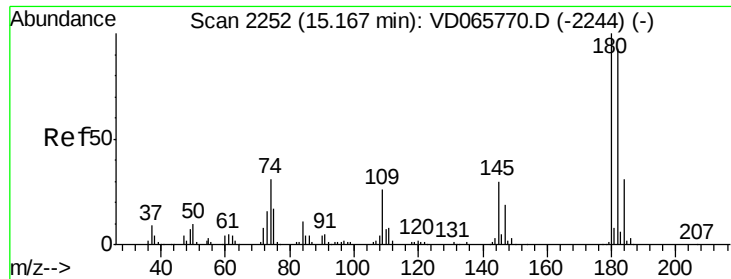
MMDadoda
 6/24/2020 10:52:35 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.295 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD065854.D
 Acq: 23 Jun 2020 12:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.9	46.3	138.9
157	101.3	58.1	174.3





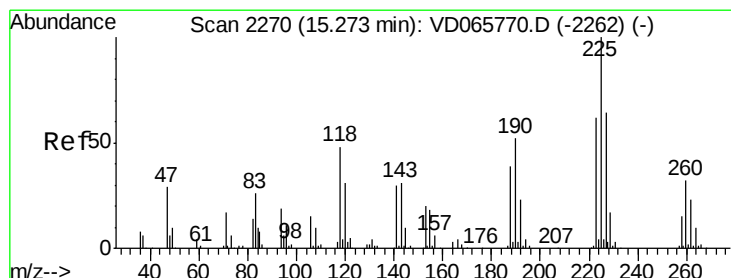
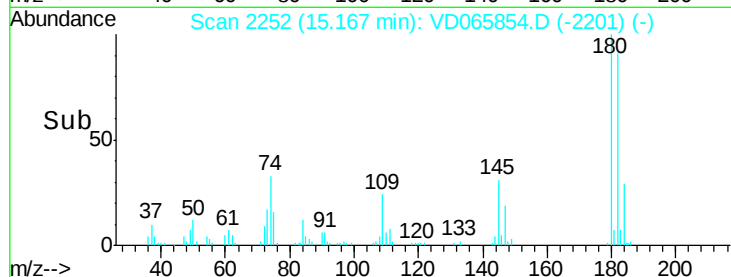
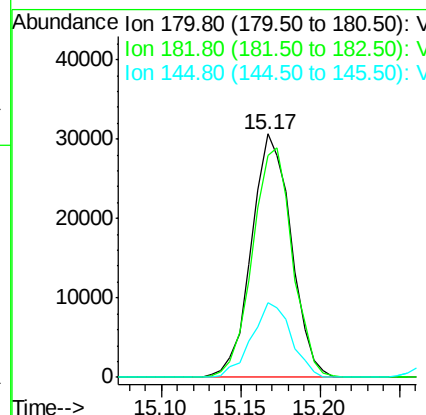
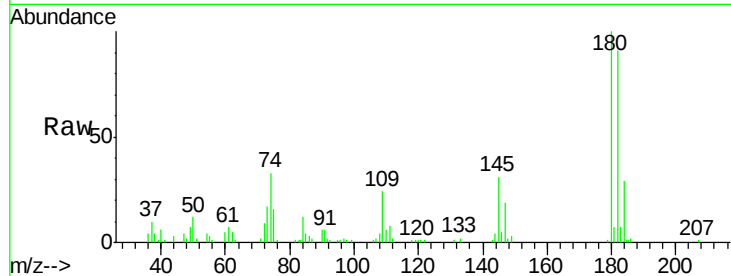
#93
 1,2,4-Trichlorobenzene
 Concen: 20.694 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD065854.D
 Acq: 23 Jun 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0623SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.0	144.2
145	30.6	14.9	44.9

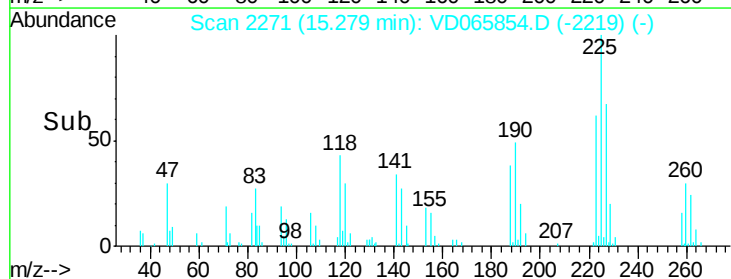
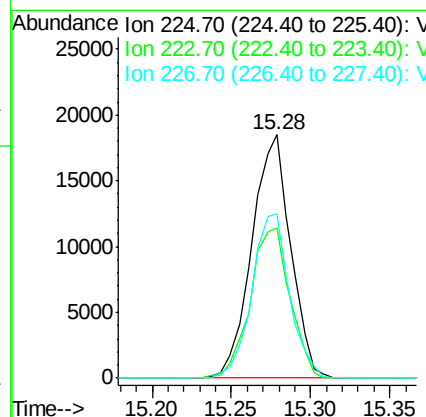
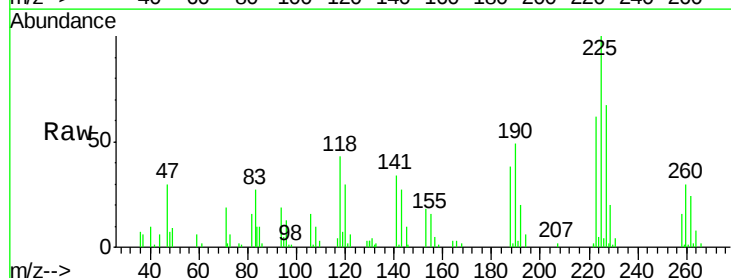
Manual Integrations
 APPROVED

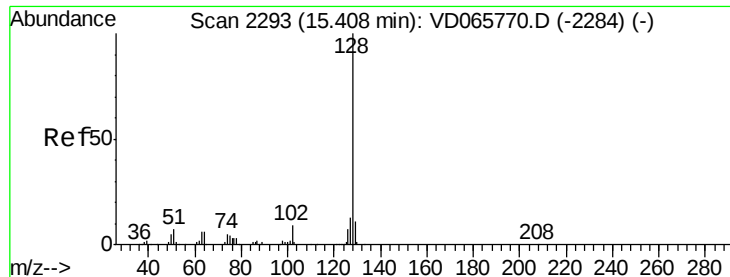
MMDadoda
 6/24/2020 10:52:35 AM



#94
 Hexachlorobutadiene
 Concen: 20.152 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD065854.D
 Acq: 23 Jun 2020 12:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	30.9	92.7
227	65.5	31.9	95.7





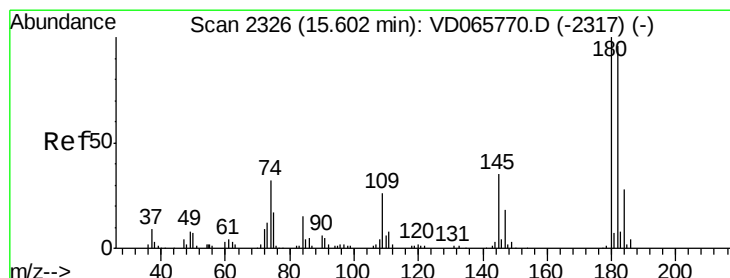
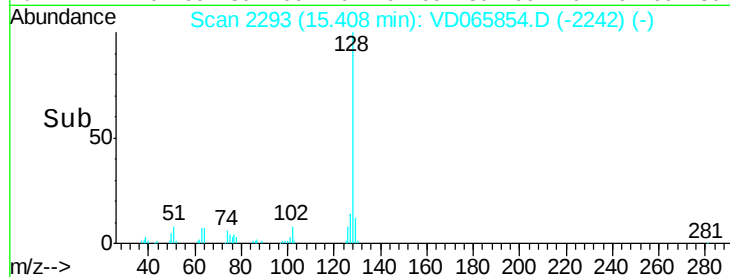
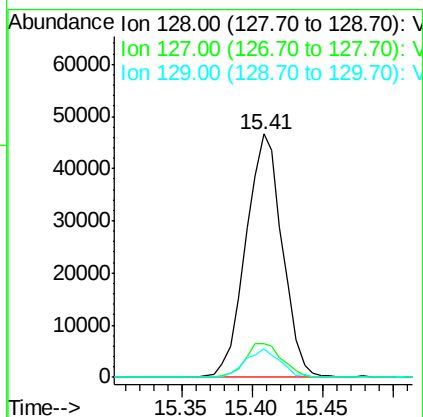
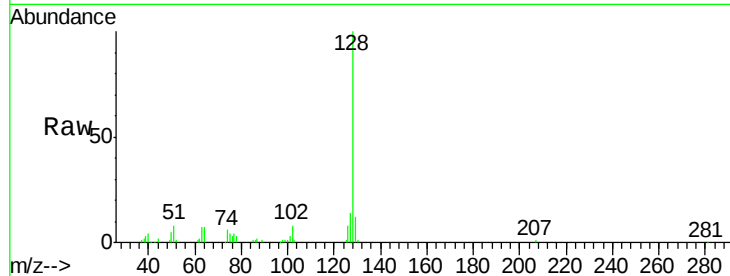
#95
Naphthalene
Concen: 19.276 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0623SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.7	16.1
129	11.1	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
6/24/2020 10:52:35 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.432 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.0	141.2
145	33.0	16.2	48.6

