

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091520\
 Data File : VD066703.D
 Acq On : 15 Sep 2020 18:26
 Operator : VA/SY
 Sample : VD0915SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0915SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/16/2020 11:44:27 AM

Quant Time: Sep 16 01:56:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	396433	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	663467	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	616785	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	288188	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	212302	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	
35) Dibromofluoromethane	7.91	113	202955	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
50) Toluene-d8	10.34	98	739700	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
62) 4-Bromofluorobenzene	12.63	95	253146	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	73826	22.560	ug/l	97
3) Chloromethane	2.21	50	93691	21.718	ug/l	100
4) Vinyl Chloride	2.35	62	92120	20.403	ug/l	97
5) Bromomethane	2.76	94	67709	21.140	ug/l	91
6) Chloroethane	2.91	64	58240	20.706	ug/l	92
7) Trichlorofluoromethane	3.27	101	161925	20.764	ug/l	95
8) Diethyl Ether	3.71	74	38943	19.942	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	85272	19.897	ug/l	99
10) Methyl Iodide	4.30	142	75344	18.529	ug/l	100
11) Tert butyl alcohol	5.20	59	41477m	113.589	ug/l	
12) 1,1-Dichloroethene	4.06	96	77132	19.445	ug/l	96
13) Acrolein	3.91	56	30408	101.934	ug/l	99
14) Allyl chloride	4.71	41	123703	19.418	ug/l	99
15) Acrylonitrile	5.42	53	85978	100.507	ug/l	99
16) Acetone	4.16	43	75445	87.591	ug/l #	89
17) Carbon Disulfide	4.40	76	255110	20.467	ug/l	98
18) Methyl Acetate	4.71	43	44404	22.144	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	184296	20.859	ug/l	99
20) Methylene Chloride	4.97	84	107977	18.714	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	91559	19.811	ug/l	95
22) Diisopropyl ether	6.36	45	266491	20.588	ug/l	97
23) Vinyl Acetate	6.30	43	742869	103.174	ug/l	99
24) 1,1-Dichloroethane	6.26	63	163943	19.959	ug/l	97
25) 2-Butanone	7.21	43	107998	96.291	ug/l	100
26) 2,2-Dichloropropane	7.20	77	141129	18.580	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	101646	20.104	ug/l	98
28) Bromochloromethane	7.54	49	67847	22.114	ug/l	97
29) Tetrahydrofuran	7.56	42	70242	102.361	ug/l	99
30) Chloroform	7.71	83	176995	20.246	ug/l	99
31) Cyclohexane	7.98	56	151881	20.328	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	159901	19.989	ug/l	100
36) 1,1-Dichloropropene	8.11	75	132623	19.442	ug/l	99
37) Ethyl Acetate	7.29	43	48730	18.870	ug/l	96
38) Carbon Tetrachloride	8.09	117	140967	19.460	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091520\
 Data File : VD066703.D
 Acq On : 15 Sep 2020 18:26
 Operator : VA/SY
 Sample : VD0915SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0915SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/16/2020 11:44:27 AM

Quant Time: Sep 16 01:56:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	143742	18.423	ug/l	95
40) Benzene	8.35	78	367269	19.901	ug/l	100
41) Methacrylonitrile	7.53	41	27330m	19.990	ug/l	
42) 1,2-Dichloroethane	8.42	62	117566	20.563	ug/l	100
43) Isopropyl Acetate	8.44	43	98081	20.179	ug/l	99
44) Trichloroethene	9.11	130	97295	19.718	ug/l	93
45) 1,2-Dichloropropane	9.38	63	90270	19.786	ug/l	98
46) Dibromomethane	9.47	93	50239	20.039	ug/l	99
47) Bromodichloromethane	9.66	83	135501	19.835	ug/l	94
48) Methyl methacrylate	9.46	41	47030	19.022	ug/l	91
49) 1,4-Dioxane	9.46	88	10811	402.570	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	250158	99.966	ug/l	99
52) Toluene	10.40	92	232787	19.690	ug/l	96
53) t-1,3-Dichloropropene	10.62	75	122951	20.147	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	145510	20.075	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	68047	20.587	ug/l	95
56) Ethyl methacrylate	10.66	69	74227	19.789	ug/l	96
57) 1,3-Dichloropropane	10.94	76	114320	19.708	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	189290	114.902	ug/l	99
59) 2-Hexanone	10.98	43	170385	101.334	ug/l	95
60) Dibromochloromethane	11.14	129	87425	20.299	ug/l	97
61) 1,2-Dibromoethane	11.24	107	62775	19.798	ug/l	98
64) Tetrachloroethene	10.87	164	80396	19.095	ug/l	91
65) Chlorobenzene	11.67	112	242283	18.973	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	93384	19.820	ug/l	97
67) Ethyl Benzene	11.74	91	440895	19.061	ug/l	97
68) m/p-Xylenes	11.85	106	339923	38.883	ug/l	98
69) o-Xylene	12.18	106	145936	18.890	ug/l	99
70) Styrene	12.19	104	263870	19.406	ug/l	98
71) Bromoform	12.36	173	45340	19.175	ug/l #	95
73) Isopropylbenzene	12.48	105	405537	18.850	ug/l	99
74) N-amyl acetate	12.29	43	85501	18.840	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	70993	19.420	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	54800m	22.215	ug/l	
77) Bromobenzene	12.76	156	95396	19.238	ug/l	98
78) n-propylbenzene	12.82	91	497774	18.980	ug/l	99
79) 2-Chlorotoluene	12.91	91	290750	19.606	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	350532	19.270	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	20740	18.145	ug/l	92
82) 4-Chlorotoluene	13.00	91	312493	19.929	ug/l	97
83) tert-Butylbenzene	13.23	119	286371	19.101	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	349018	19.199	ug/l	99
85) sec-Butylbenzene	13.40	105	406571	18.915	ug/l	99
86) p-Isopropyltoluene	13.52	119	359488	18.397	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	187596	19.720	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	178501	18.843	ug/l	97
89) n-Butylbenzene	13.84	91	344388	18.534	ug/l	97
90) Hexachloroethane	14.11	117	77535	19.315	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	155852	19.120	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	13093	22.156	ug/l	89

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091520\
Data File : VD066703.D
Acq On : 15 Sep 2020 18:26
Operator : VA/SY
Sample : VD0915SBS01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0915SBS01

Manual Integrations
APPROVED

MMDadoda
9/16/2020 11:44:27 AM

Quant Time: Sep 16 01:56:04 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 15 16:35:37 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	96521	19.578	ug/l	97
94) Hexachlorobutadiene	15.27	225	55360	18.637	ug/l	98
95) Naphthalene	15.41	128	157550	18.290	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	79325	18.421	ug/l	97

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

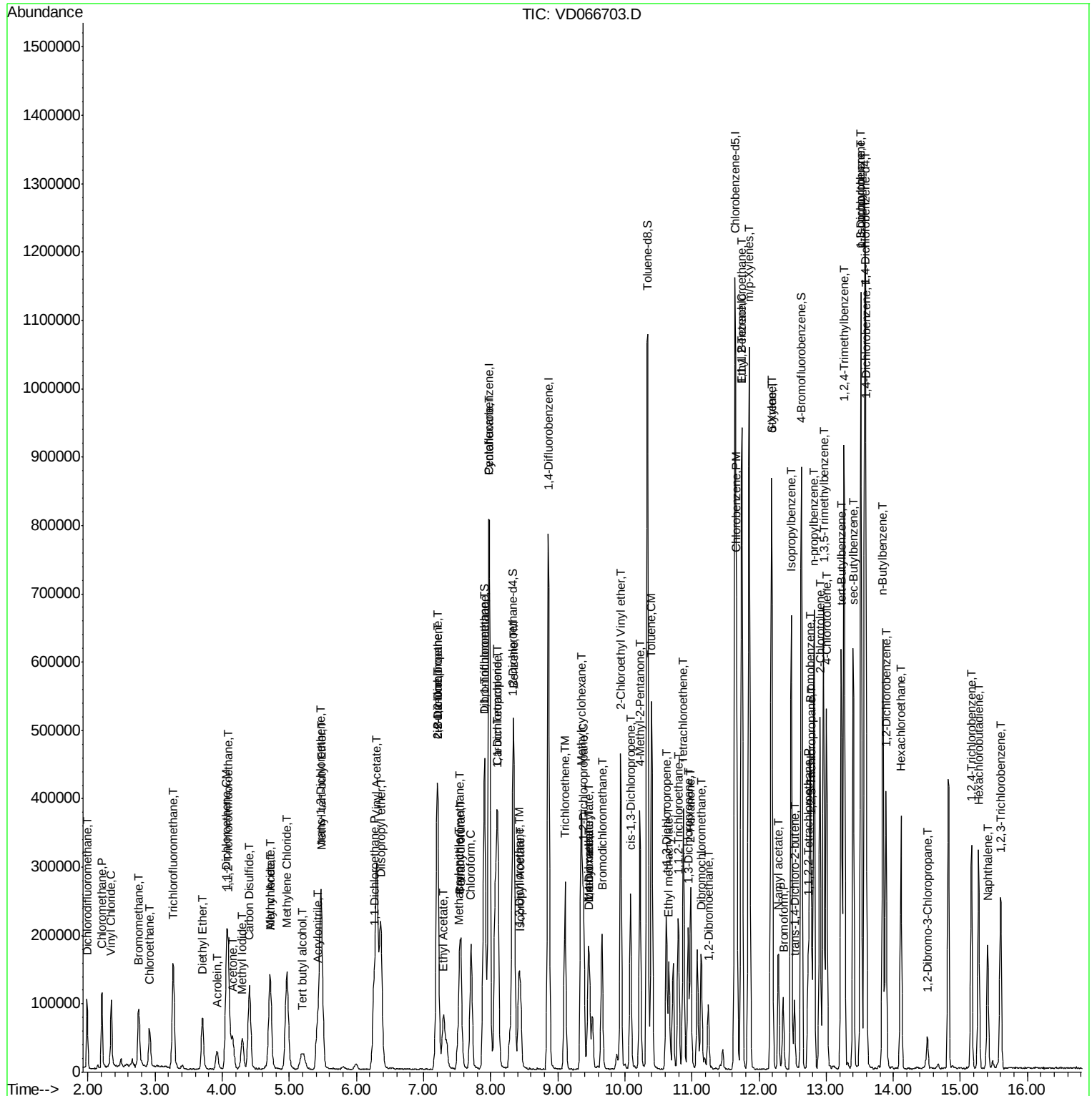
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091520\
Data File : VD066703.D
Acq On : 15 Sep 2020 18:26
Operator : VA/SY
Sample : VD0915SBS01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

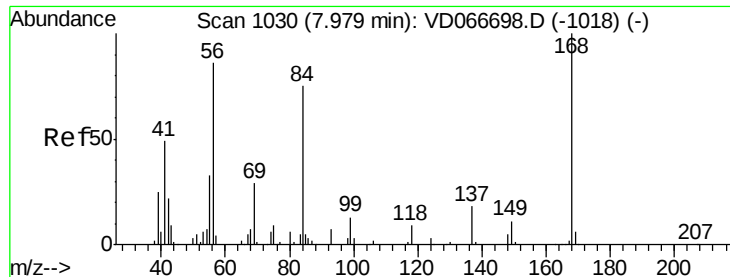
Instrument :
MSVOA_D
ClientSampleId :
VD0915SBS01

Manual Integrations
APPROVED

MMDadoda
9/16/2020 11:44:27 AM

Quant Time: Sep 16 01:56:04 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 15 16:35:37 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066703.D

Acq: 15 Sep 2020 18:26

Instrument :

MSVOA_D

ClientSampleId :

VD0915SBS01

Tot Ion:168 Resp: 396433

Ion Ratio Lower Upper

168 100

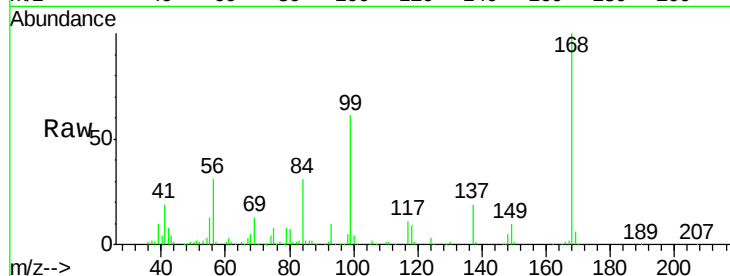
99 61.2 54.4 81.6

Manual Integrations

APPROVED

MMDadoda

9/16/2020 11:44:27 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

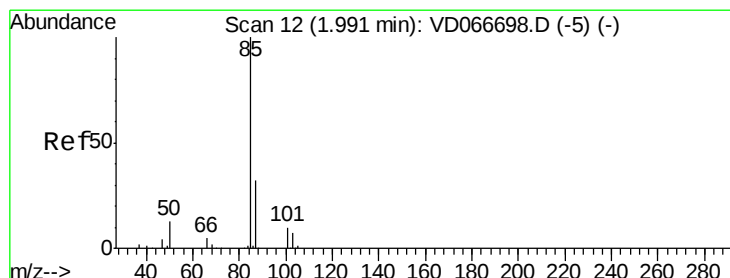
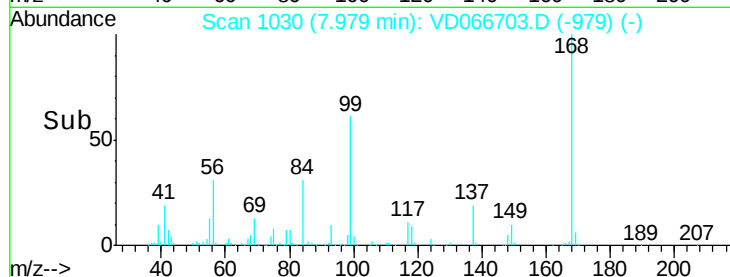
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.560 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD066703.D

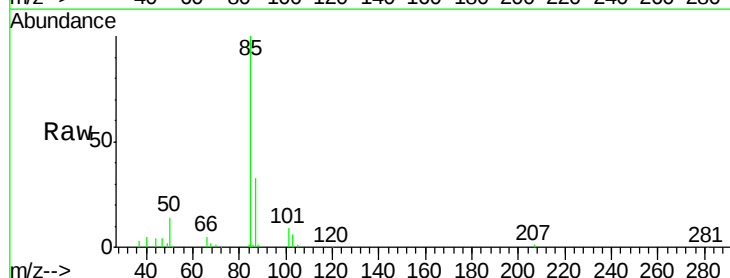
Acq: 15 Sep 2020 18:26

Tgt Ion: 85 Resp: 73826

Ion Ratio Lower Upper

85 100

87 33.5 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

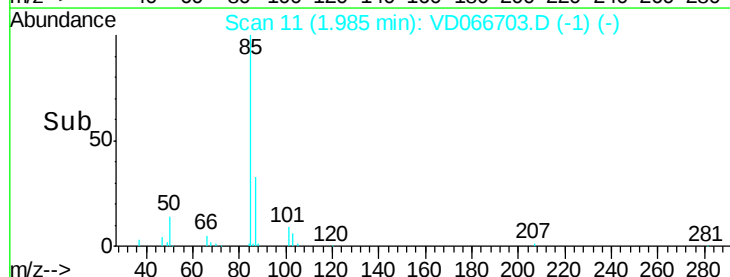
20000

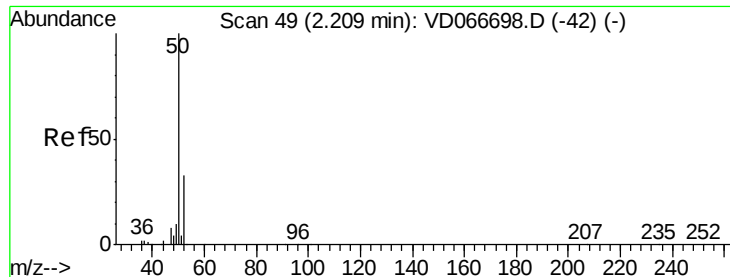
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 21.718 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066703.D

Acq: 15 Sep 2020 18:26

Instrument :

MSVOA_D

ClientSampleId :

VD0915SBS01

Tot Ion: 50 Resp: 93691

Ion Ratio Lower Upper

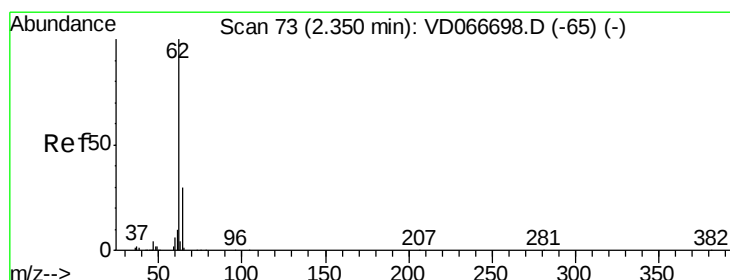
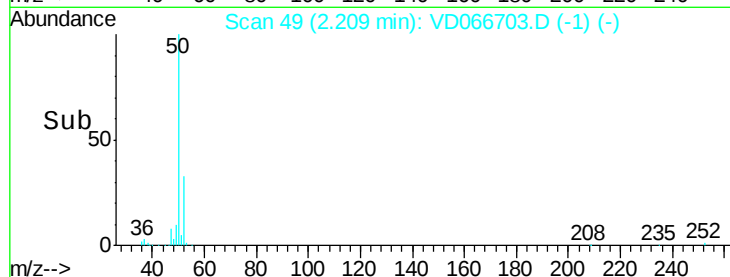
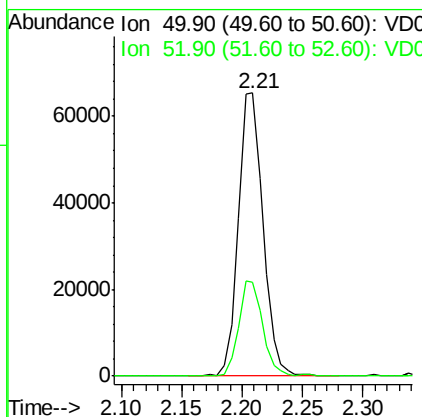
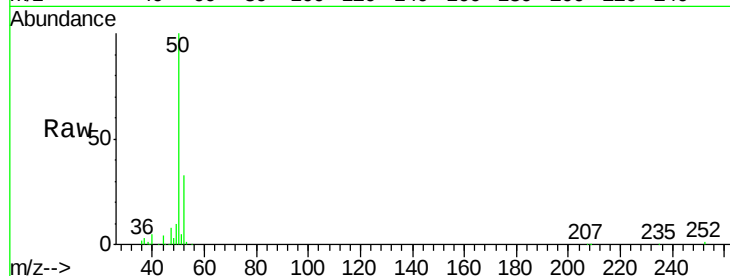
50 100

52 33.3 26.8 40.2

Manual Integrations
APPROVED

MMDadoda

9/16/2020 11:44:27 AM



#4

Vinyl Chloride

Concen: 20.403 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066703.D

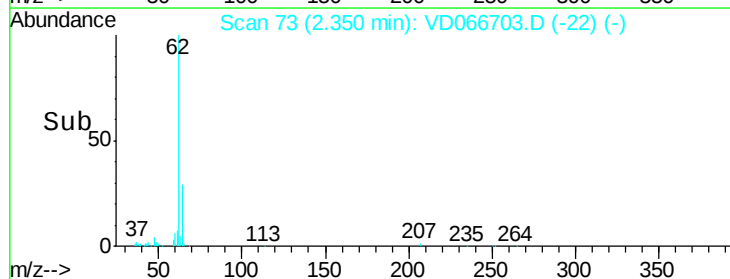
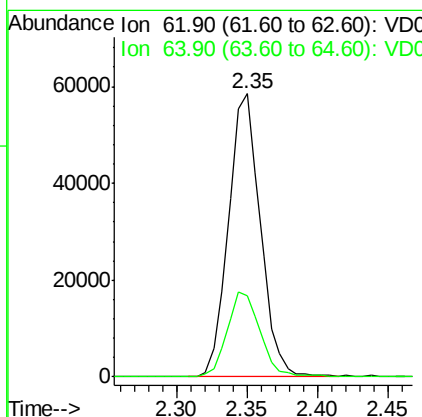
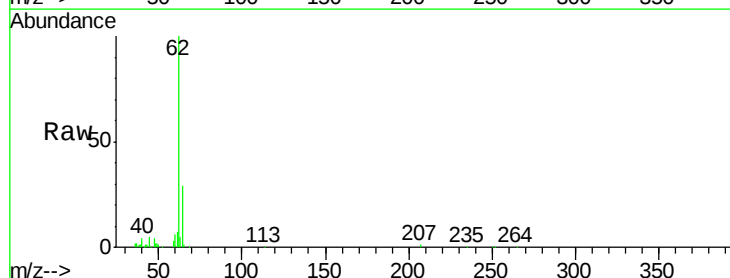
Acq: 15 Sep 2020 18:26

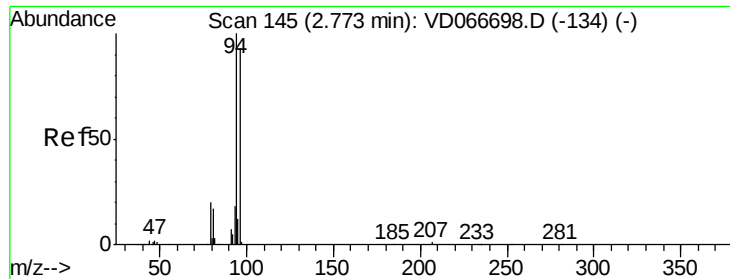
Tgt Ion: 62 Resp: 92120

Ion Ratio Lower Upper

62 100

64 28.8 24.4 36.6





#5

Bromomethane

Concen: 21.140 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD066703.D

Acq: 15 Sep 2020 18:26

Instrument :

MSVOA_D

ClientSampleId :

VD0915SBS01

Tot Ion: 94 Resp: 67709

Ion Ratio Lower Upper

94 100

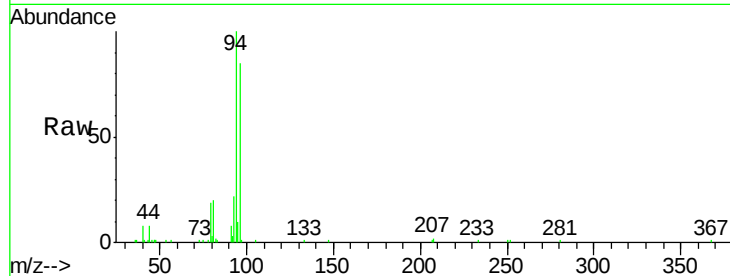
96 84.9 74.7 112.1

Manual Integrations

APPROVED

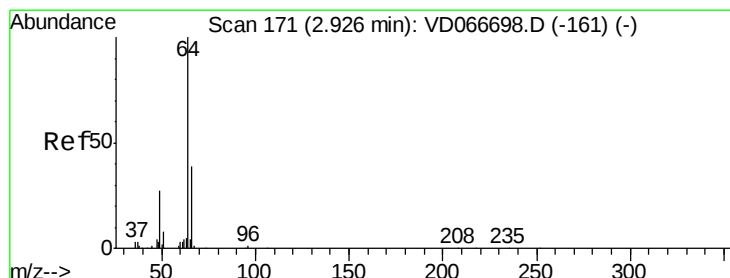
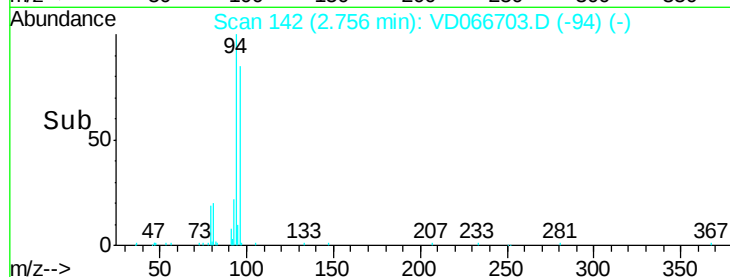
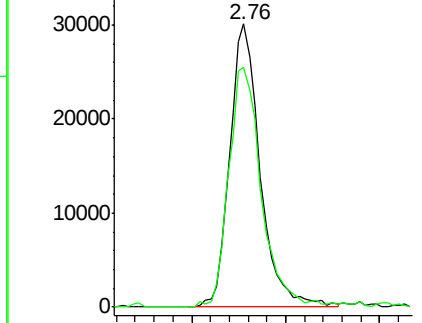
MMDadoda

9/16/2020 11:44:27 AM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.706 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD066703.D

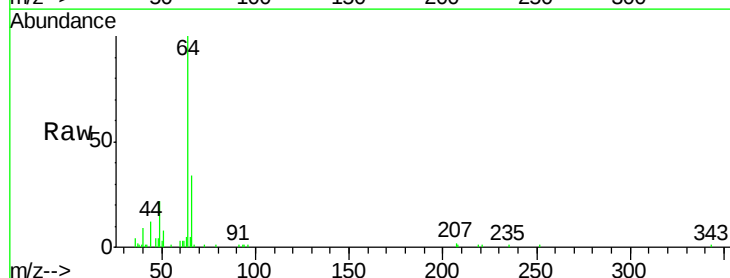
Acq: 15 Sep 2020 18:26

Tgt Ion: 64 Resp: 58240

Ion Ratio Lower Upper

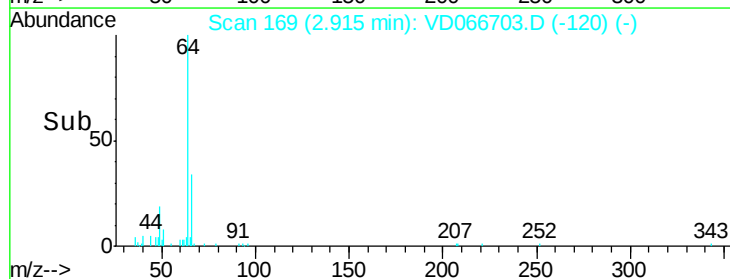
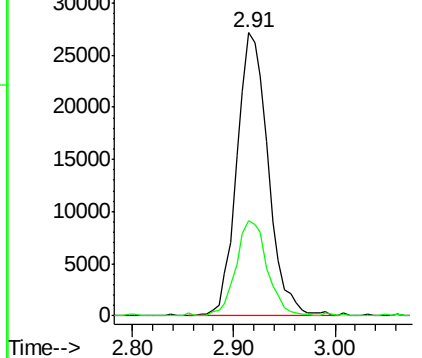
64 100

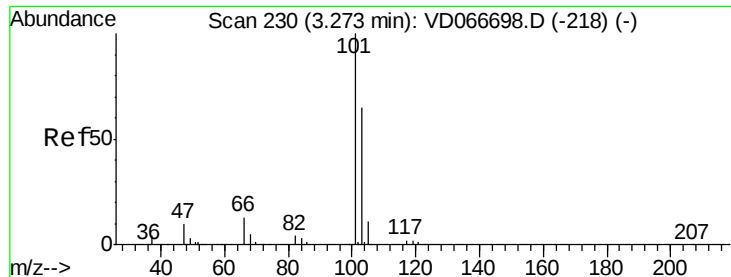
66 33.8 30.9 46.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

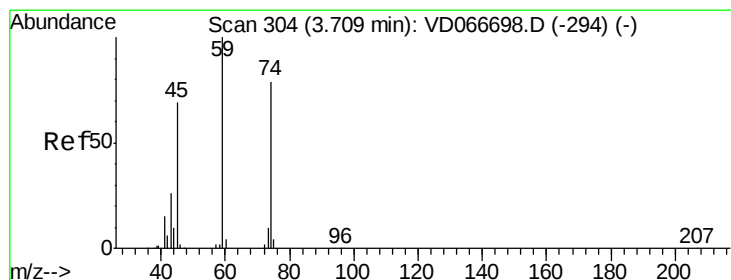
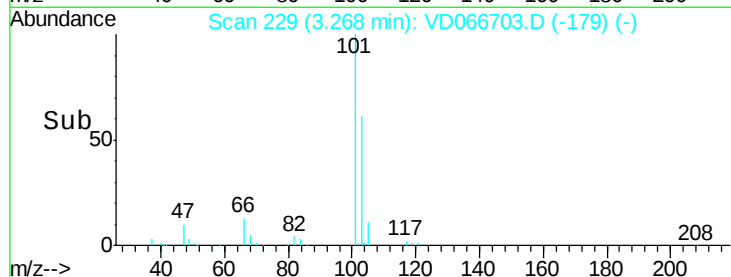
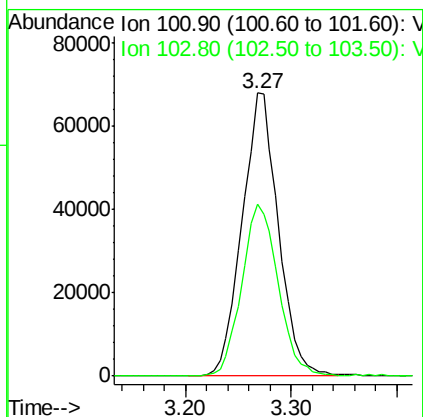
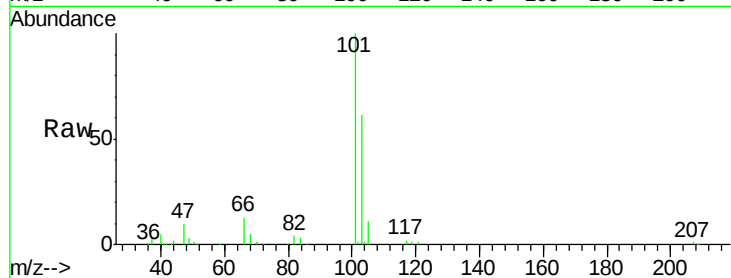
Trichlorofluoromethane
 Concen: 20.764 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD066703.D
 Acq: 15 Sep 2020 18:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0915SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	161925		
103	60.7	51.8	77.8	

Manual Integrations
 APPROVED

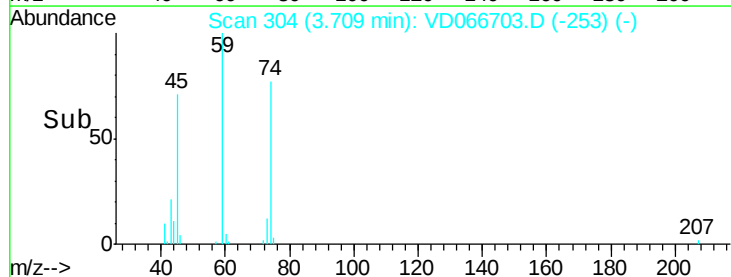
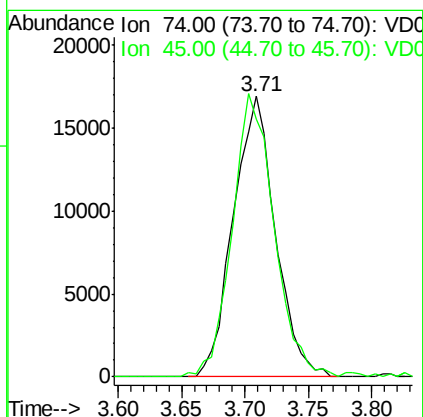
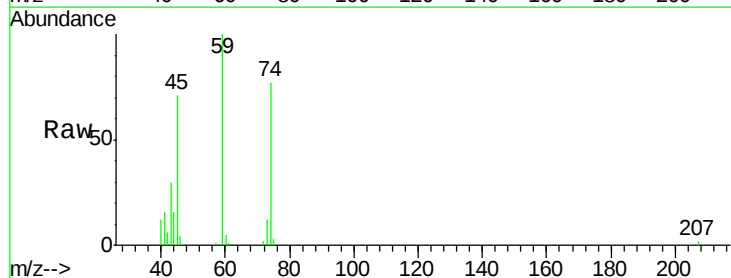
MMDadoda
 9/16/2020 11:44:27 AM

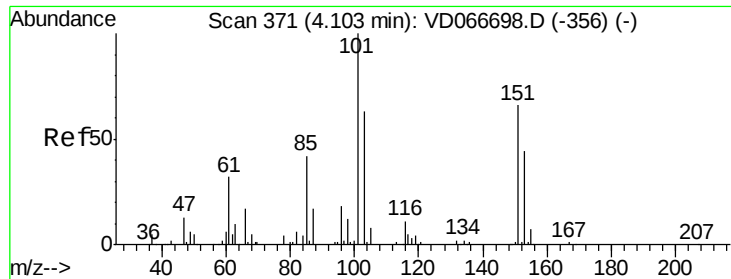


#8

Diethyl Ether
 Concen: 19.942 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD066703.D
 Acq: 15 Sep 2020 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	38943		
45	100.4	48.0	144.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.897 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD066703.D

Acq: 15 Sep 2020 18:26

Instrument :

MSVOA_D

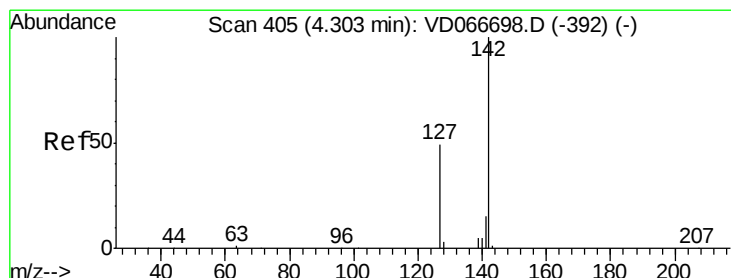
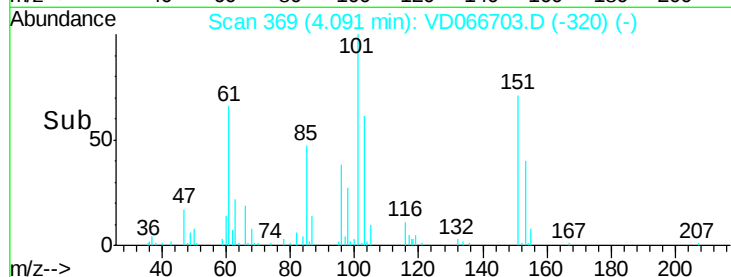
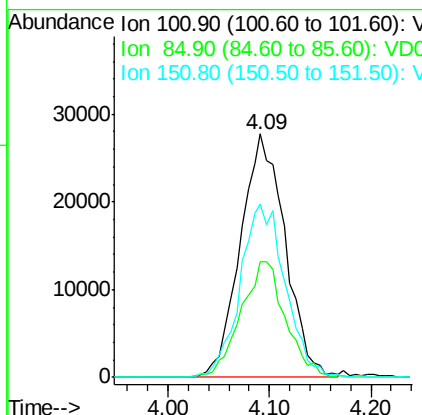
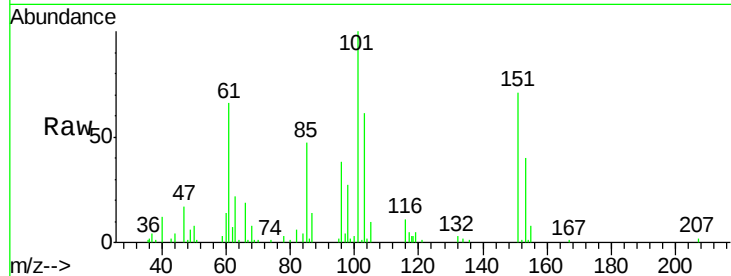
ClientSampleId :

VD0915SBS01

Tot Ion:	101	Resp:	85272
Ion Ratio	Lower	Upper	
101	100		
85	47.2	36.3	54.5
151	71.9	58.0	87.0

Manual Integrations
APPROVED

MMDadoda
9/16/2020 11:44:27 AM



#10

Methyl Iodide

Concen: 18.529 ug/l

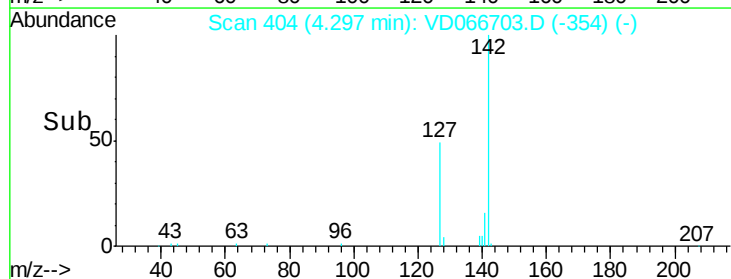
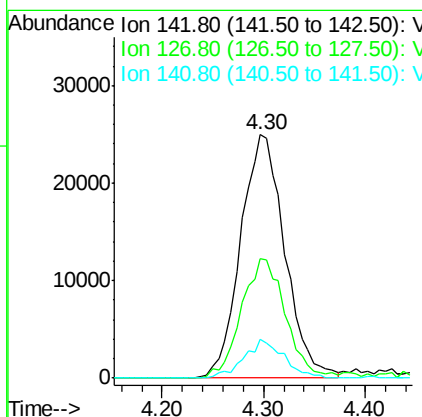
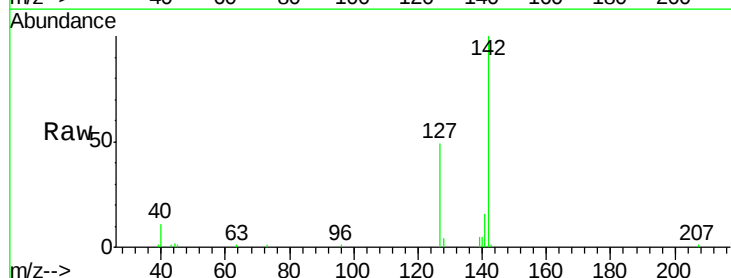
RT: 4.30 min Scan# 404

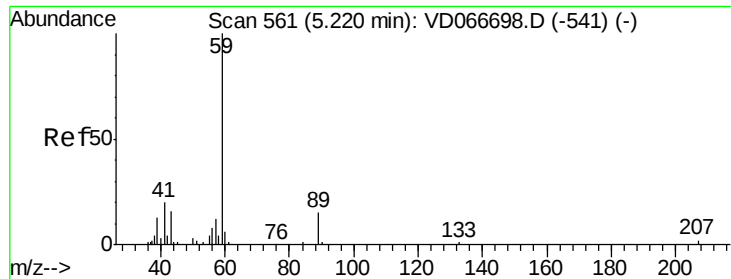
Delta R.T. -0.01 min

Lab File: VD066703.D

Acq: 15 Sep 2020 18:26

Tgt Ion:	142	Resp:	75344
Ion Ratio	Lower	Upper	
142	100		
127	48.9	39.0	58.4
141	14.4	11.7	17.5





#11

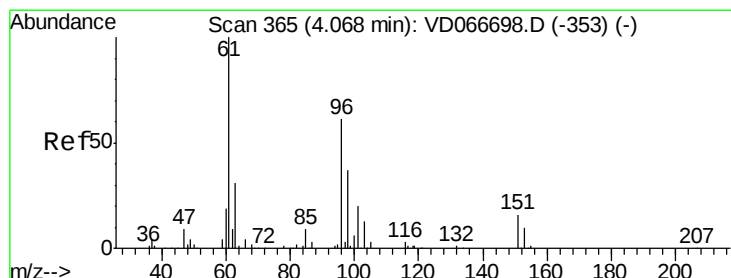
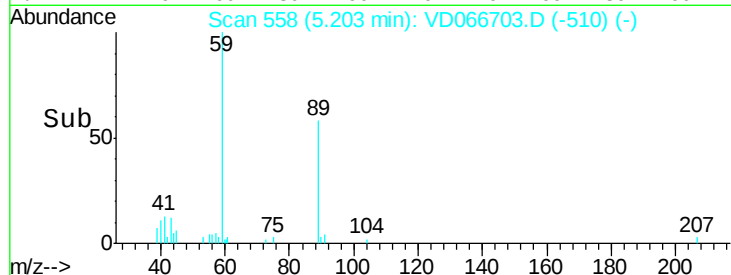
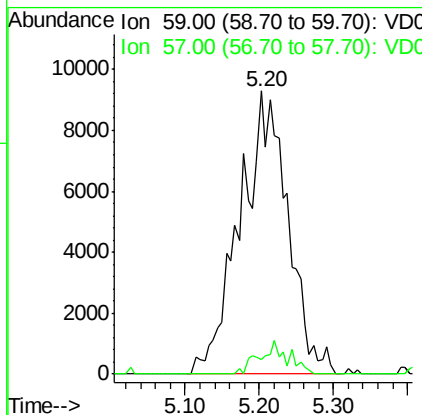
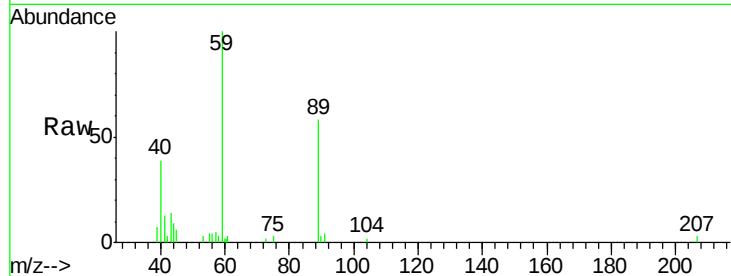
Tert butyl alcohol
 Concen: 113.589 ug/l m
 RT: 5.20 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: VD066703.D
 Acq: 15 Sep 2020 18:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0915SBS01

Tot Ion: 59 Resp: 41477
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.7 10.1#

Manual Integrations
 APPROVED

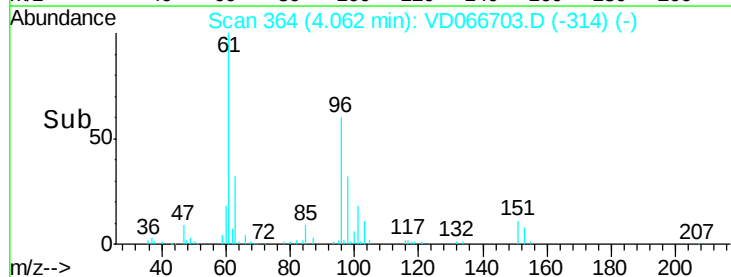
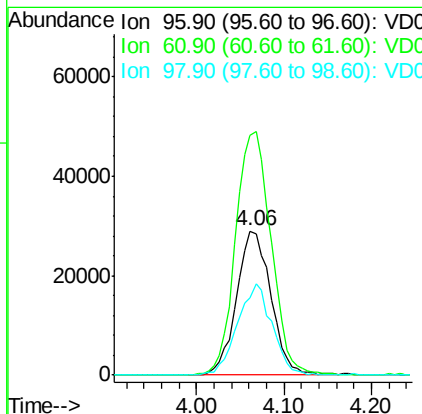
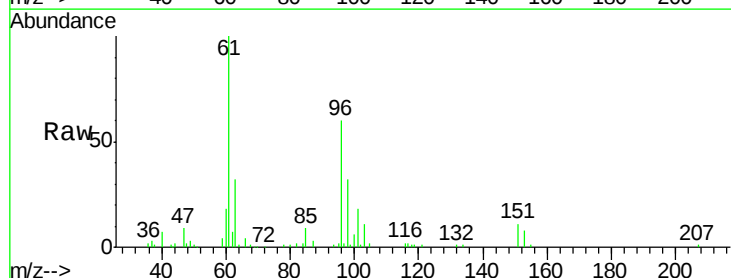
MMDadoda
 9/16/2020 11:44:27 AM

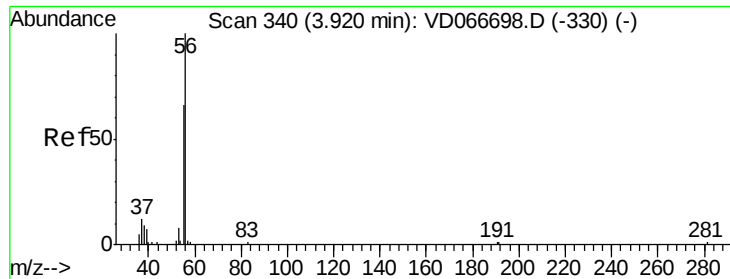


#12

1,1-Dichloroethene
 Concen: 19.445 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD066703.D
 Acq: 15 Sep 2020 18:26

Tgt Ion: 96 Resp: 77132
 Ion Ratio Lower Upper
 96 100
 61 167.0 131.9 197.9
 98 54.0 49.1 73.7





#13

Acrolein

Concen: 101.934 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD066703.D

Acq: 15 Sep 2020 18:26

Instrument :

MSVOA_D

ClientSampleId :

VD0915SBS01

Tot Ion: 56 Resp: 30408

Ion Ratio Lower Upper

56 100

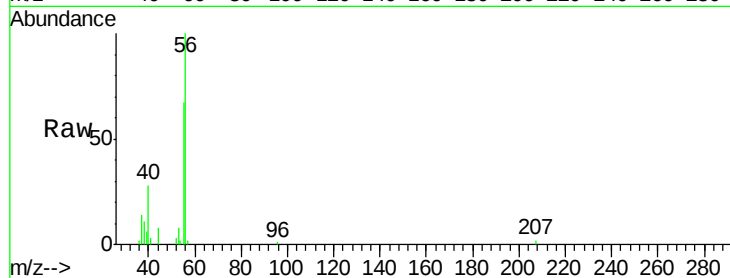
55 69.5 54.7 82.1

Manual Integrations

APPROVED

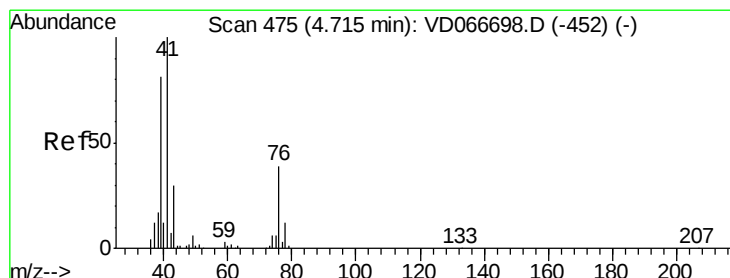
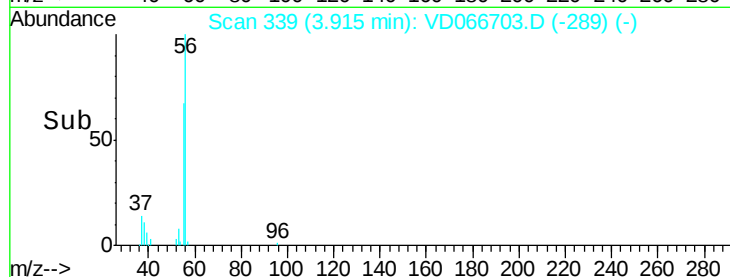
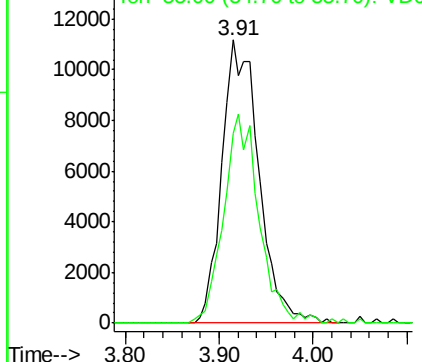
MMDadoda

9/16/2020 11:44:27 AM



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.418 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD066703.D

Acq: 15 Sep 2020 18:26

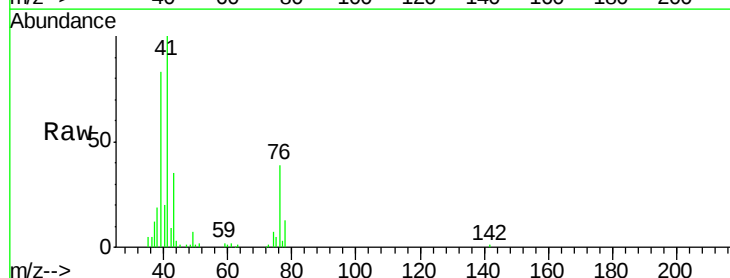
Tgt Ion: 41 Resp: 123703

Ion Ratio Lower Upper

41 100

39 77.0 60.6 90.8

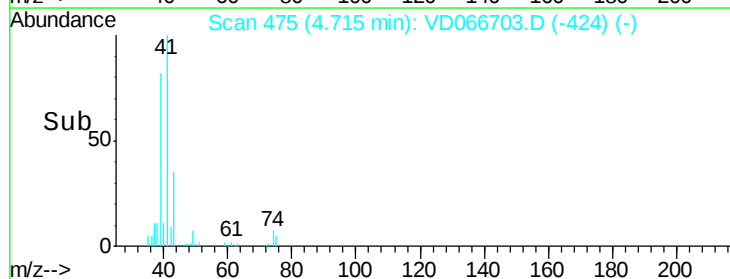
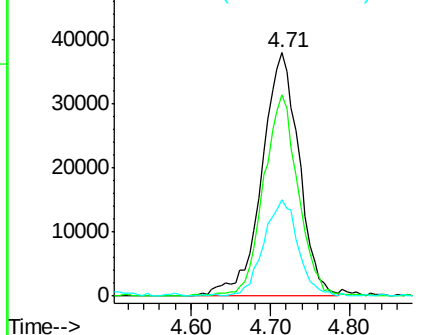
76 36.5 29.2 43.8

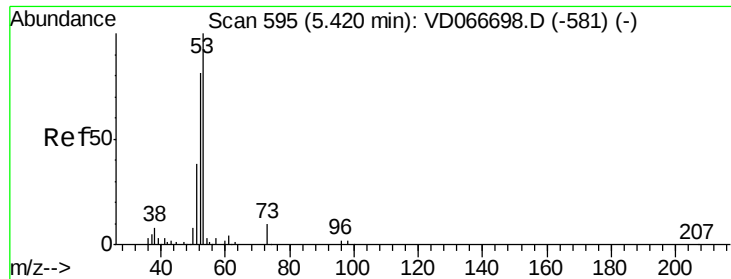


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 100.507 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD066703.D

Acq: 15 Sep 2020 18:26

Instrument :

MSVOA_D

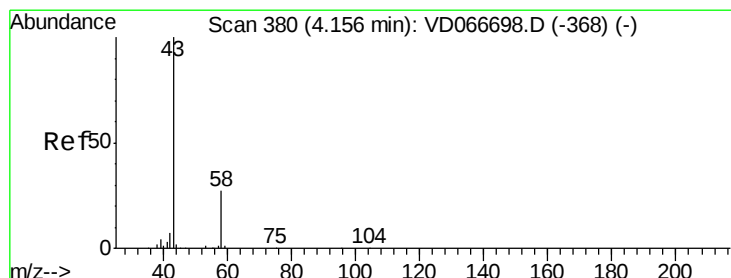
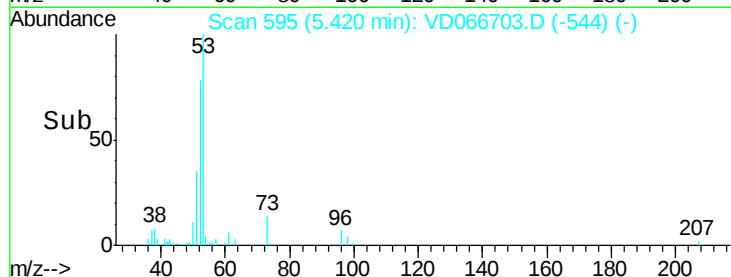
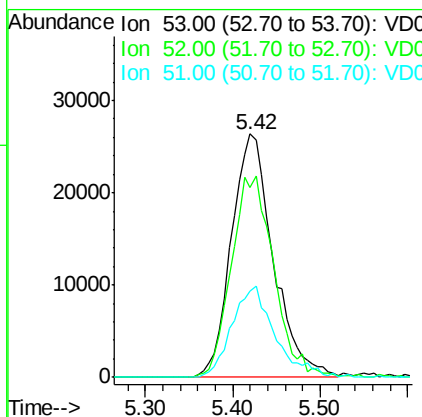
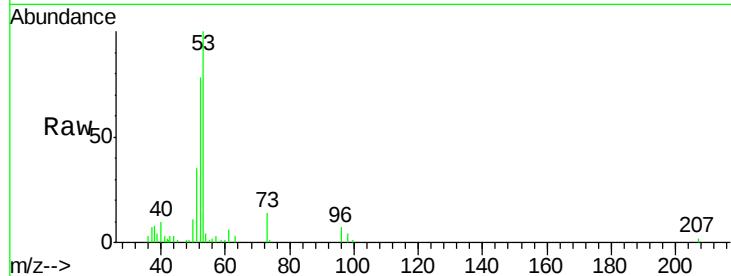
ClientSampleId :

VD0915SBS01

Tot Ion:	53	Resp:	85978
Ion Ratio	Lower	Upper	
53	100		
52	83.8	66.6	99.8
51	38.1	31.0	46.6

Manual Integrations
APPROVED

MMDadoda
9/16/2020 11:44:27 AM



#16

Acetone

Concen: 87.591 ug/l

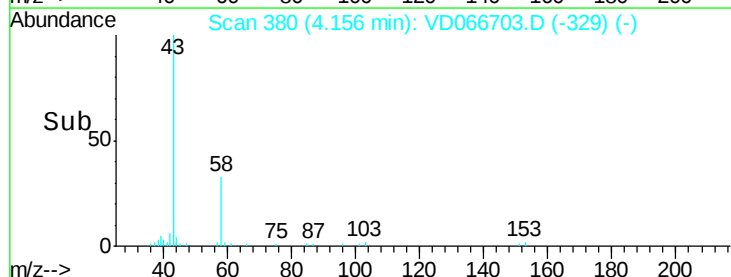
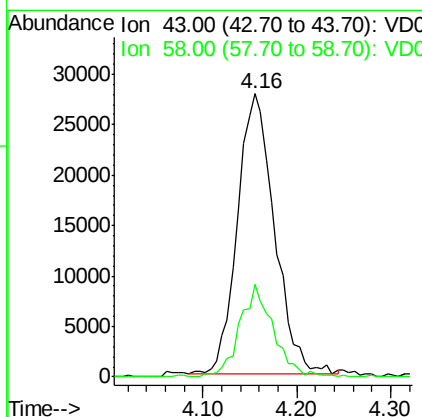
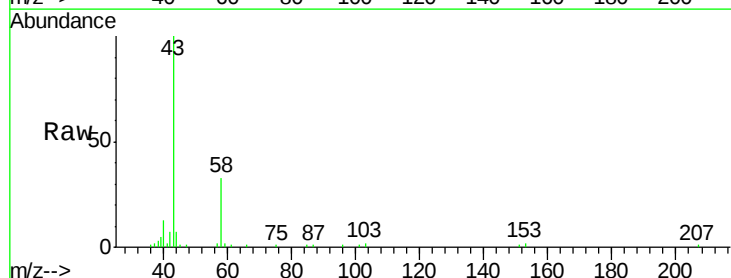
RT: 4.16 min Scan# 380

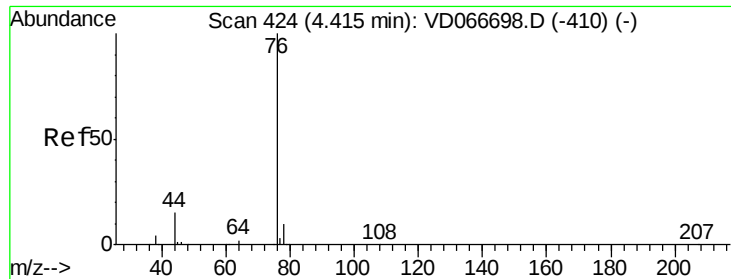
Delta R.T. -0.00 min

Lab File: VD066703.D

Acq: 15 Sep 2020 18:26

Tgt Ion:	43	Resp:	75445
Ion Ratio	Lower	Upper	
43	100		
58	33.0	21.9	32.9#





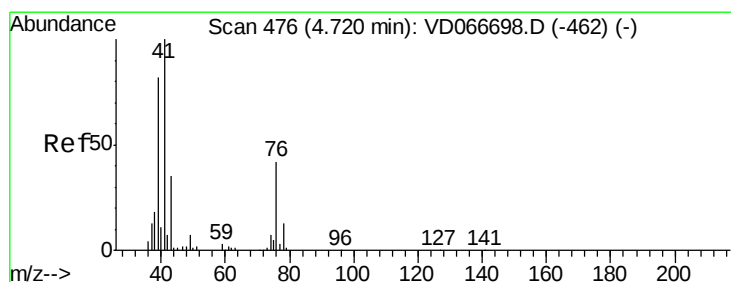
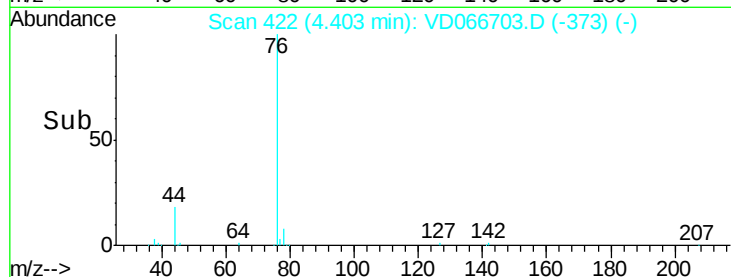
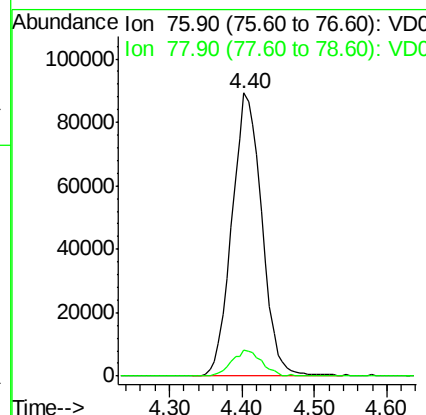
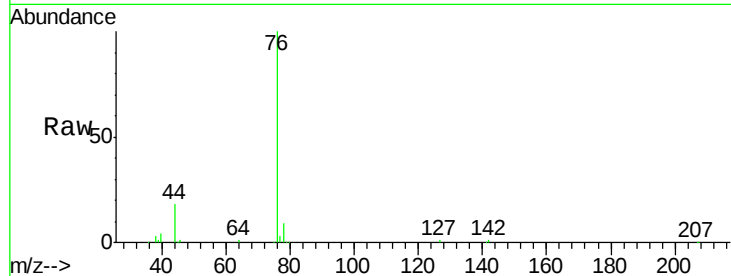
#17
Carbon Disulfide
Concen: 20.467 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD066703.D
Acq: 15 Sep 2020 18:26

Instrument :
MSVOA_D
ClientSampleId :
VD0915SBS01

Tot Ion	Ratio	Resp	Lower	Upper
76	100	255110		
78	9.2		8.0	12.0

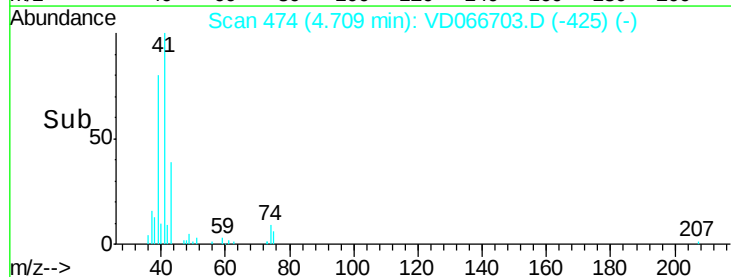
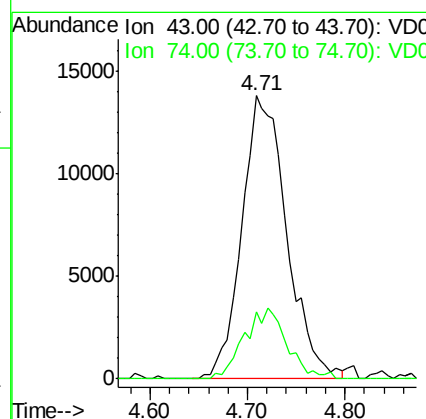
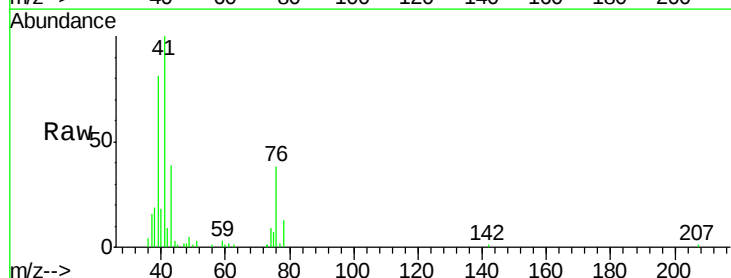
Manual Integrations
APPROVED

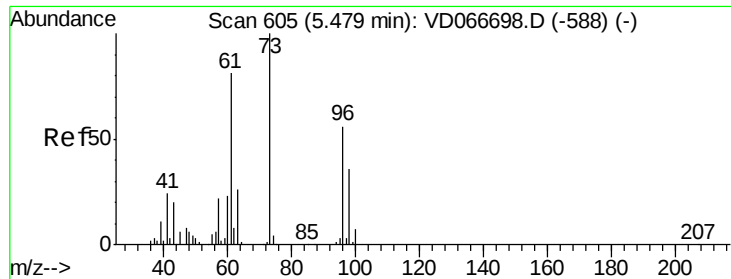
MMDadoda
9/16/2020 11:44:27 AM



#18
Methyl Acetate
Concen: 22.144 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD066703.D
Acq: 15 Sep 2020 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	44404		
74	23.9		18.6	28.0





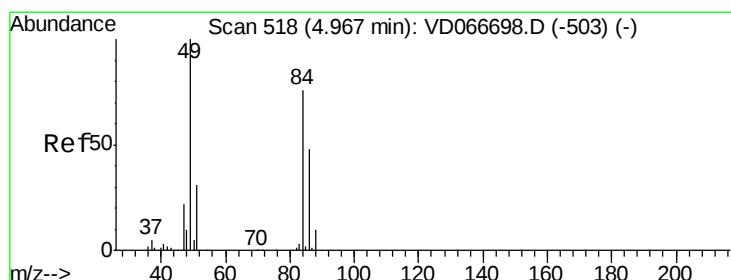
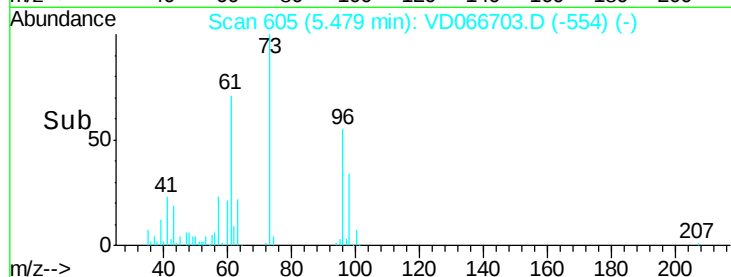
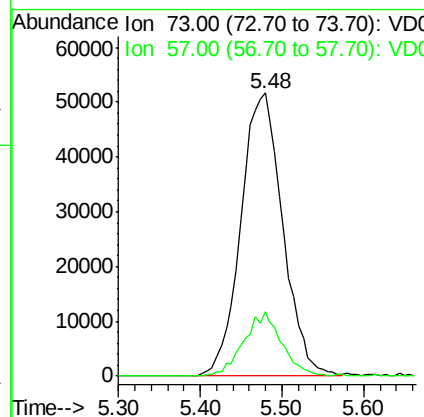
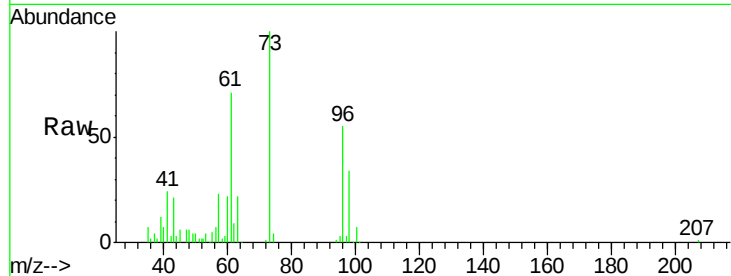
#19
Methvl tert-butvl Ether
Concen: 20.859 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD066703.D
Acq: 15 Sep 2020 18:26

Instrument :
MSVOA_D
ClientSampleId :
VD0915SBS01

Tot Ion: 73 Resp: 184296
Ion Ratio Lower Upper
73 100
57 22.8 17.8 26.6

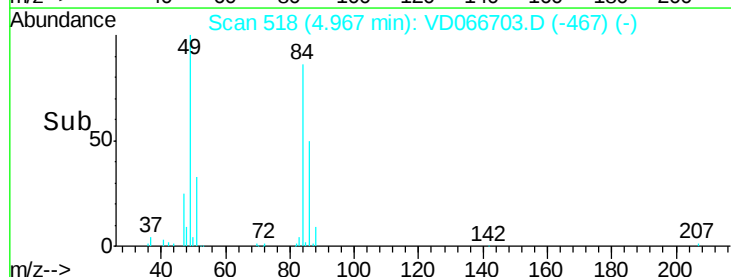
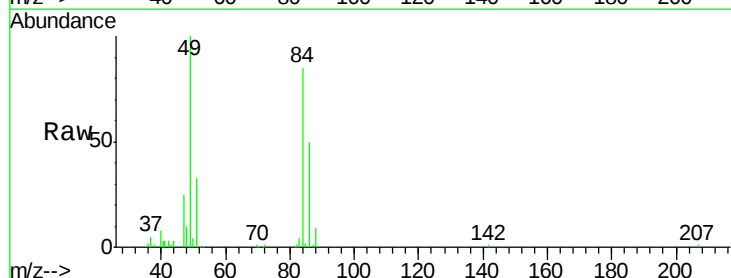
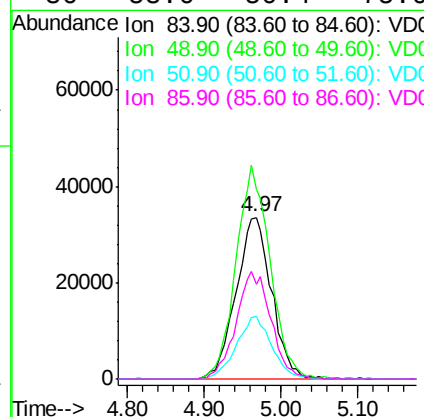
Manual Integrations
APPROVED

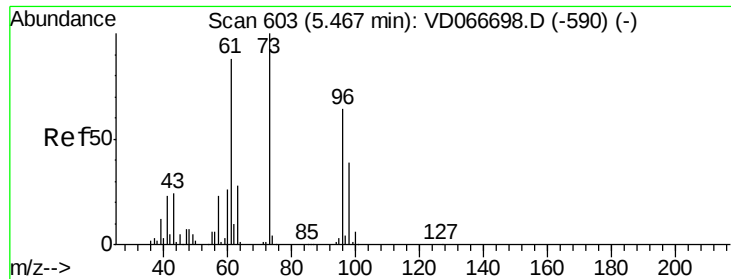
MMDadoda
9/16/2020 11:44:27 AM



#20
Methylene Chloride
Concen: 18.714 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066703.D
Acq: 15 Sep 2020 18:26

Tgt Ion: 84 Resp: 107977
Ion Ratio Lower Upper
84 100
49 117.5 105.0 157.6
51 38.8 32.2 48.4
86 58.6 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 19.811 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD066703.D

Acq: 15 Sep 2020 18:26

Instrument :

MSVOA_D

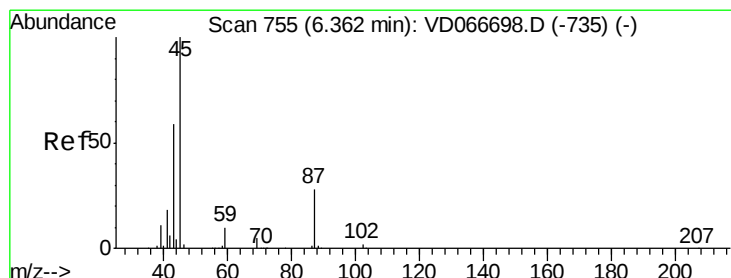
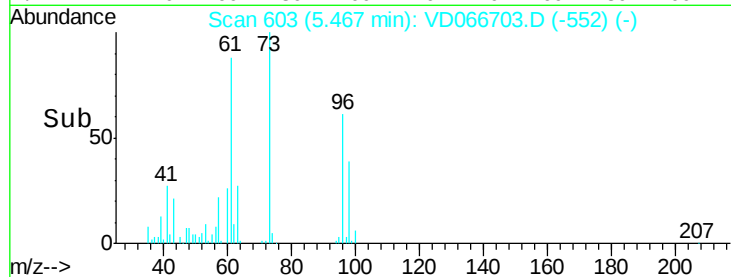
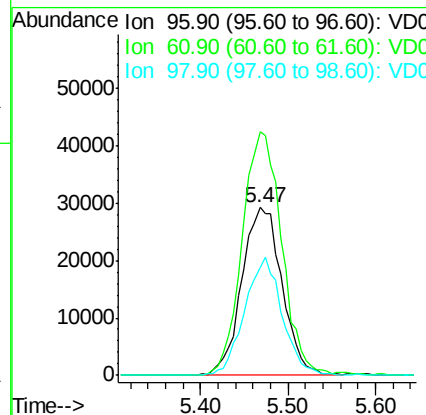
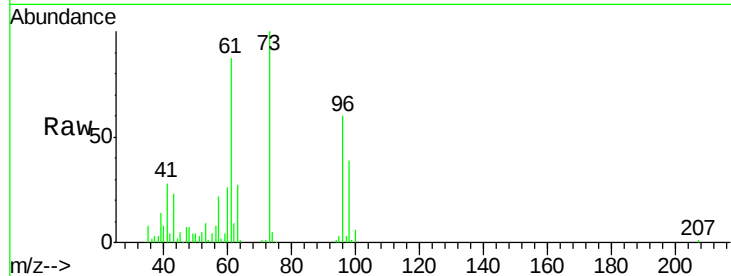
ClientSampleId :

VD0915SBS01

Tot Ion:	96	Resp:	91559
Ion	Ratio	Lower	Upper
96	100		
61	145.0	110.6	166.0
98	64.0	49.2	73.8

Manual Integrations
APPROVED

MMDadoda
9/16/2020 11:44:27 AM



#22

Diisopropyl ether

Concen: 20.588 ug/l

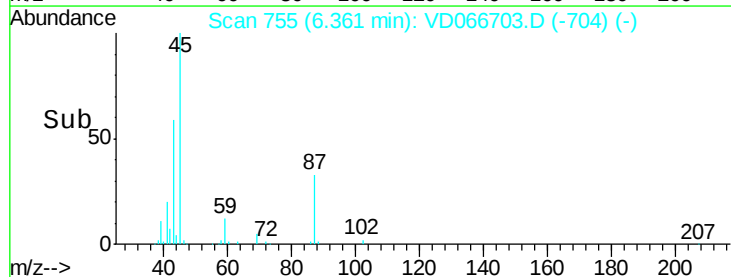
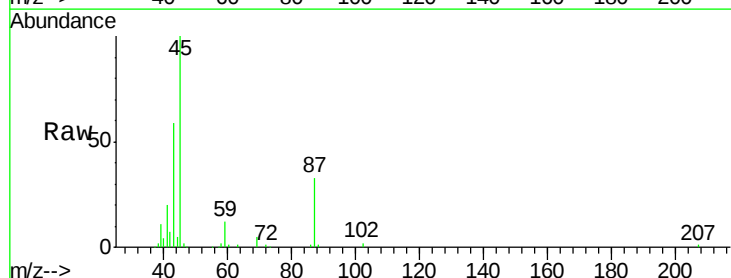
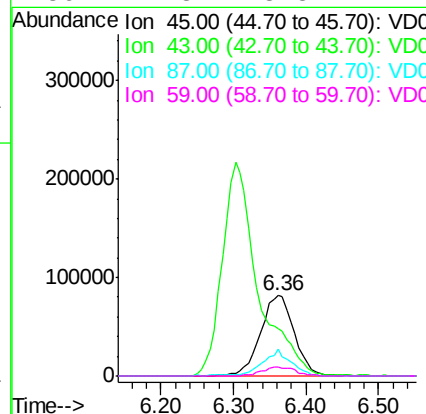
RT: 6.36 min Scan# 755

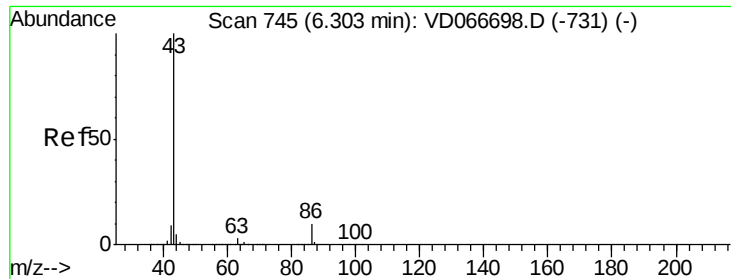
Delta R.T. -0.00 min

Lab File: VD066703.D

Acq: 15 Sep 2020 18:26

Tgt Ion:	45	Resp:	266491
Ion	Ratio	Lower	Upper
45	100		
43	58.5	46.9	70.3
87	33.2	22.4	33.6
59	11.8	8.5	12.7





#23

Vinyl Acetate

Concen: 103.174 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD066703.D

Acq: 15 Sep 2020 18:26

Instrument :

MSVOA_D

ClientSampleId :

VD0915SBS01

Tot Ion: 43 Resp: 742869

Ion Ratio Lower Upper

43 100

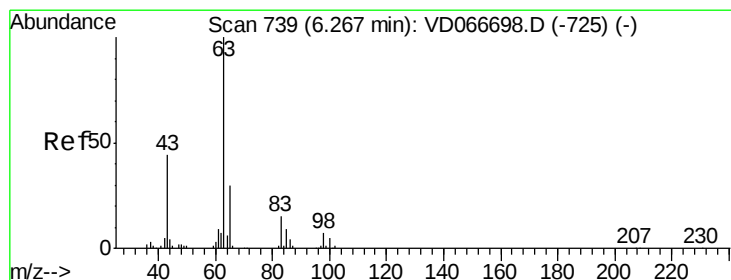
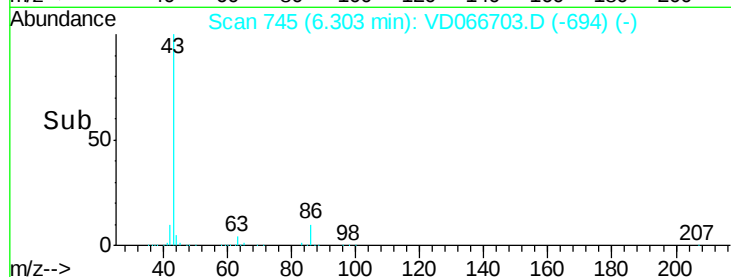
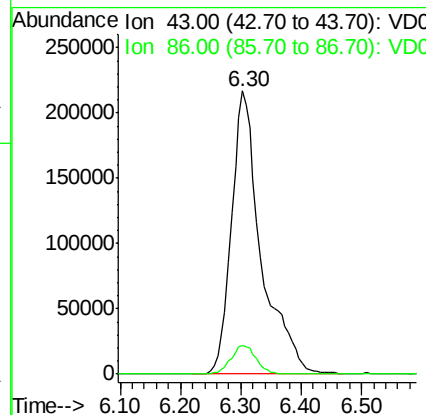
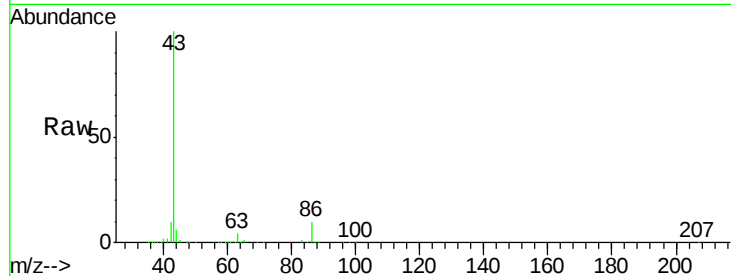
86 10.1 7.8 11.8

Manual Integrations

APPROVED

MMDadoda

9/16/2020 11:44:27 AM



#24

1,1-Dichloroethane

Concen: 19.959 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD066703.D

Acq: 15 Sep 2020 18:26

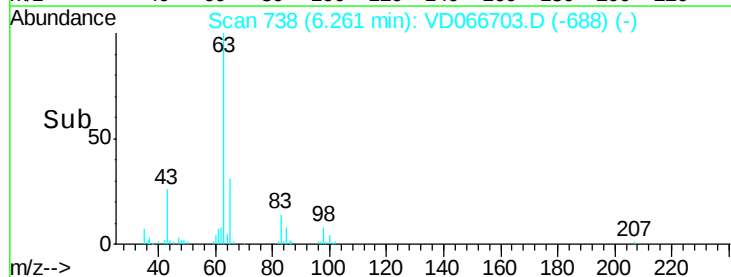
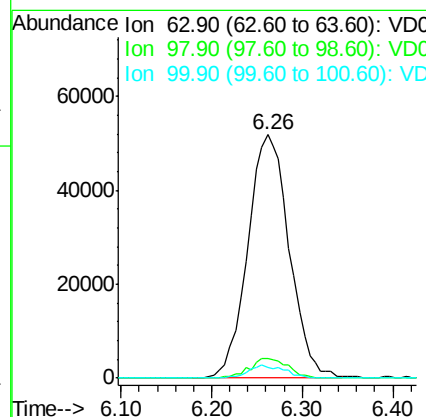
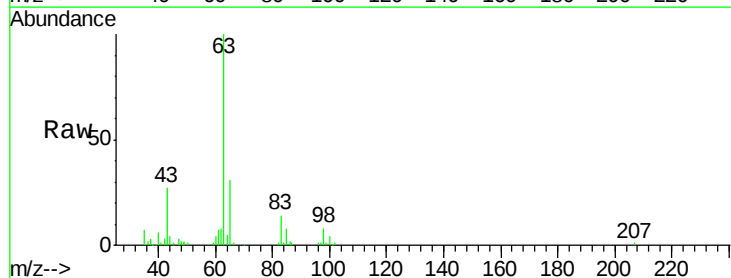
Tgt Ion: 63 Resp: 163943

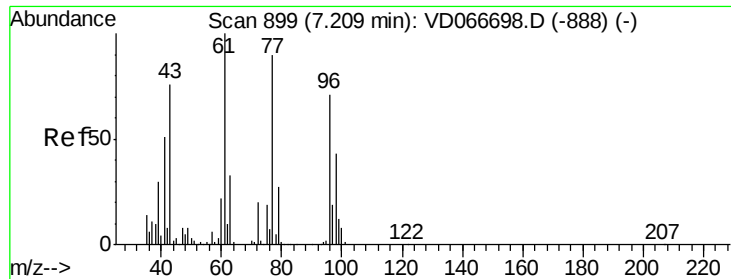
Ion Ratio Lower Upper

63 100

98 8.1 3.4 10.2

100 4.4 2.6 8.0





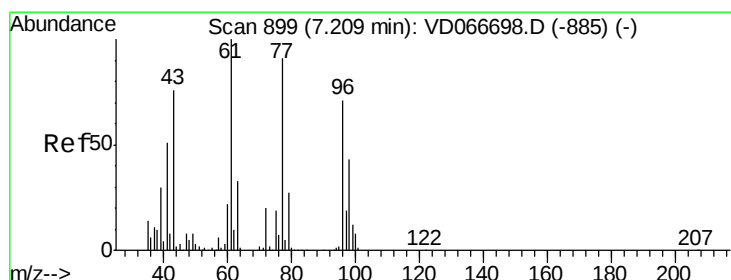
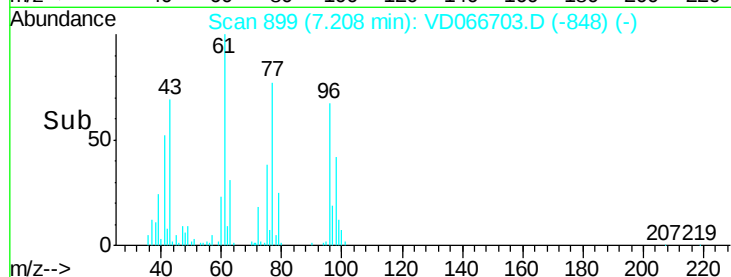
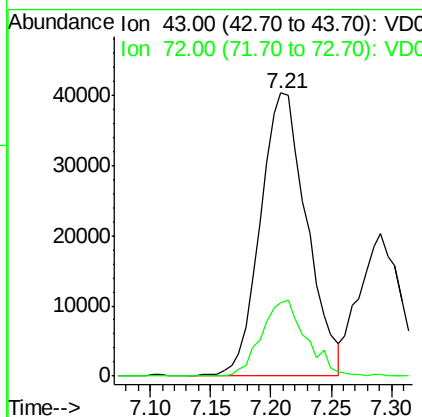
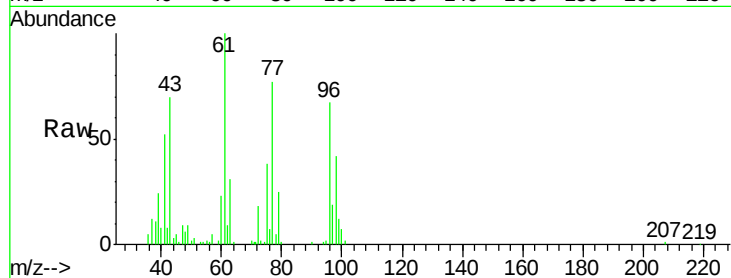
#25
2-Butanone
Concen: 96.291 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD066703.D
Acq: 15 Sep 2020 18:26

Instrument :
MSVOA_D
ClientSampleId :
VD0915SBS01

Tot Ion: 43 Resp: 107998
Ion Ratio Lower Upper
43 100
72 26.2 21.0 31.4

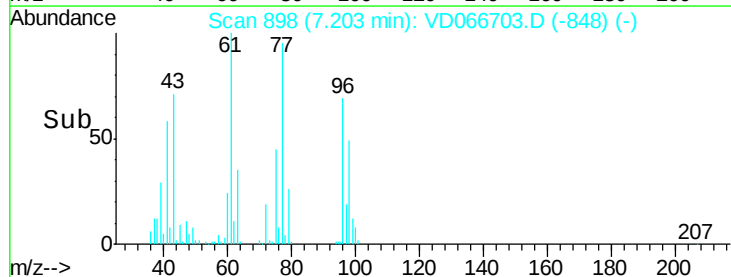
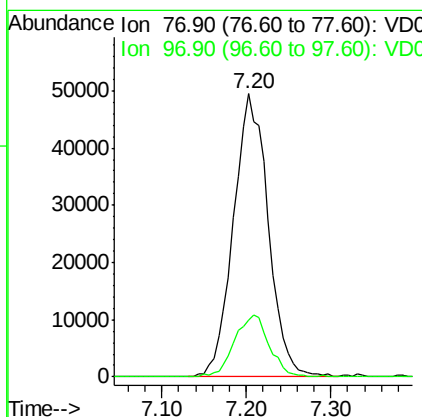
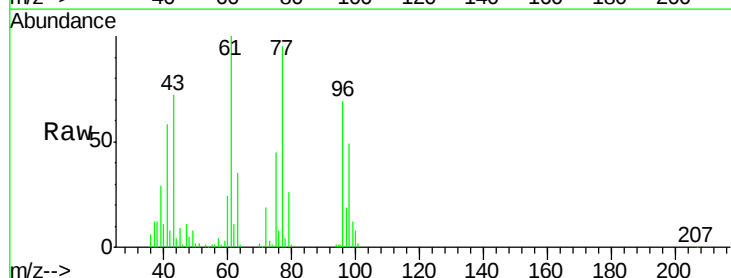
Manual Integrations
APPROVED

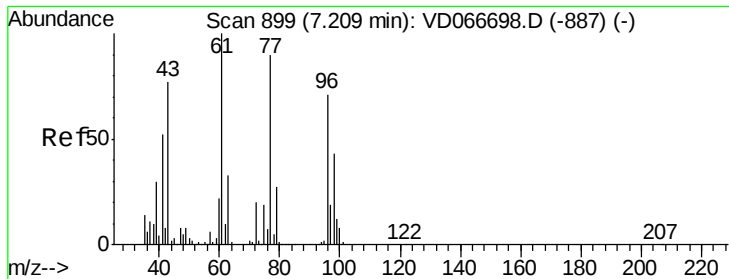
MMDadoda
9/16/2020 11:44:27 AM



#26
2,2-Dichloropropane
Concen: 18.580 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD066703.D
Acq: 15 Sep 2020 18:26

Tgt Ion: 77 Resp: 141129
Ion Ratio Lower Upper
77 100
97 21.8 10.6 31.8





#27

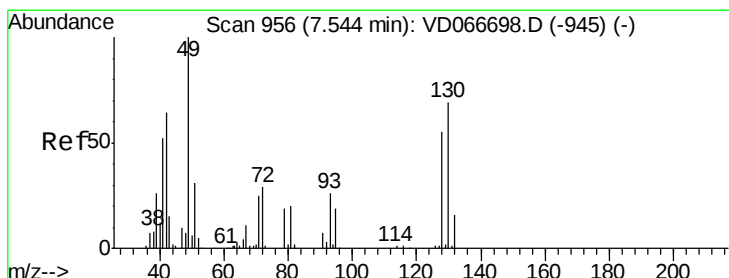
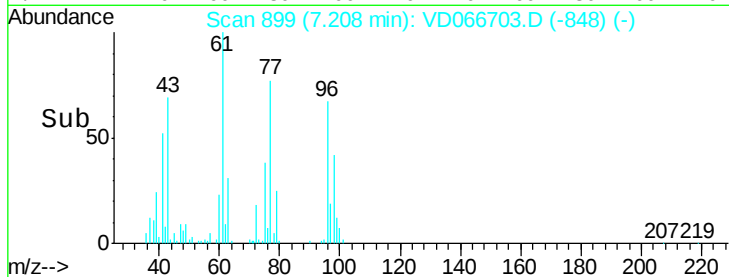
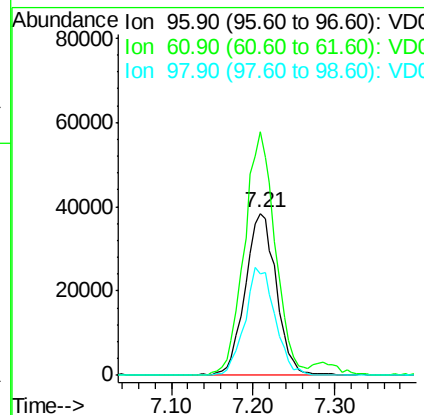
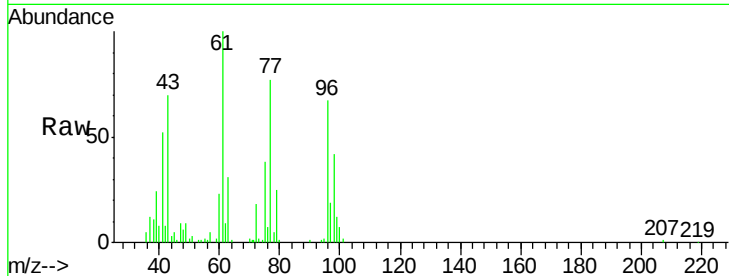
cis-1,2-Dichloroethene
Concen: 20.104 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD066703.D
Acq: 15 Sep 2020 18:26

Instrument :
MSVOA_D
ClientSampleId :
VD0915SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	149.3	0.0	292.4	
98	64.3	0.0	127.0	

Manual Integrations
APPROVED

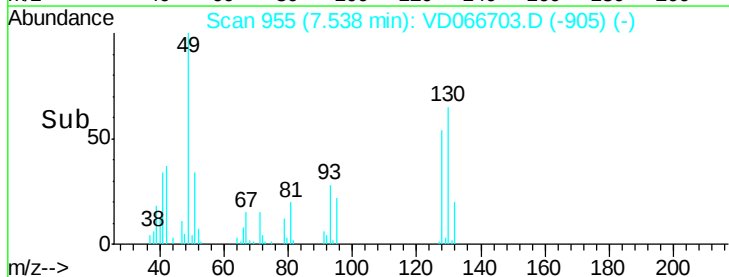
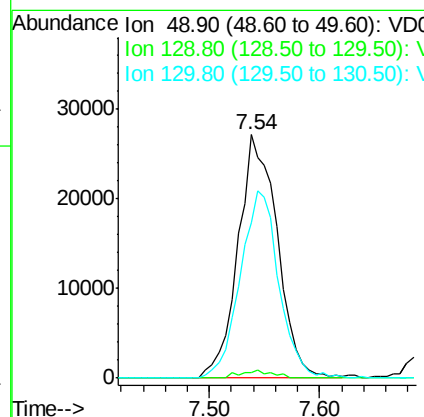
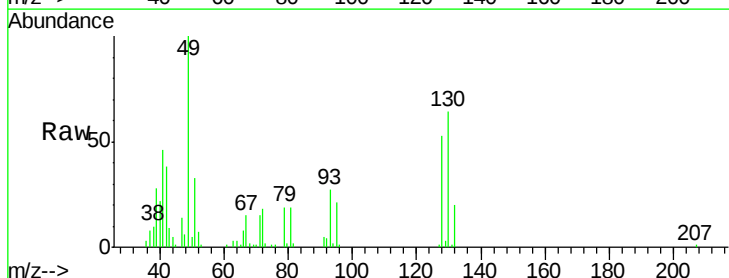
MMDadoda
9/16/2020 11:44:27 AM

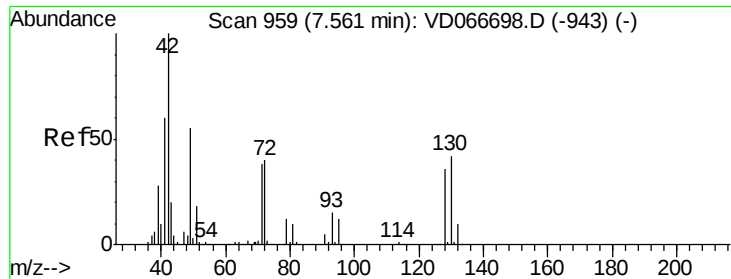


#28

Bromochloromethane
Concen: 22.114 ug/l
RT: 7.54 min Scan# 955
Delta R.T. -0.01 min
Lab File: VD066703.D
Acq: 15 Sep 2020 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.6	0.0	3.8	
130	75.7	58.6	88.0	





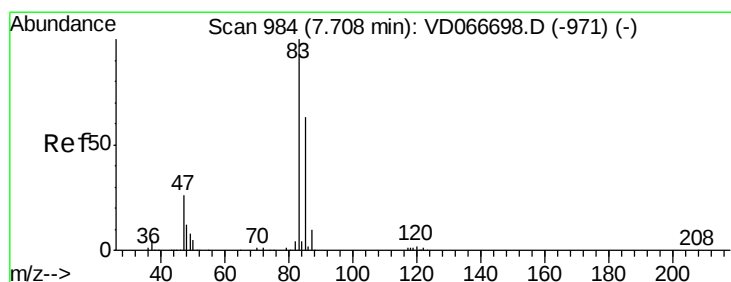
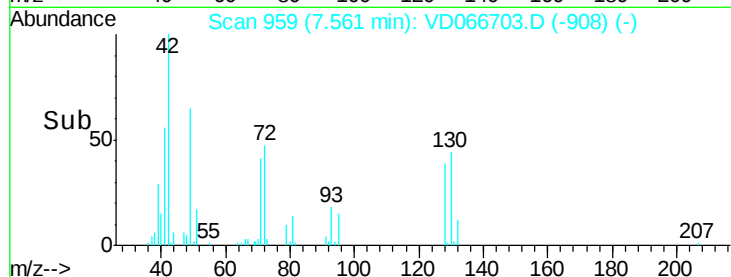
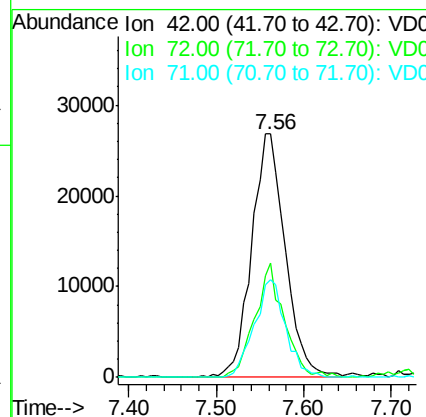
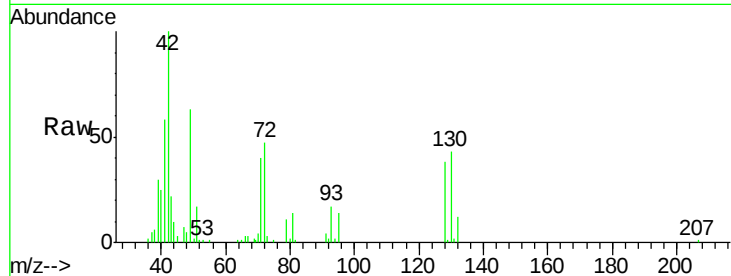
#29
Tetrahydrofuran
Concen: 102.361 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.00 min
Lab File: VD066703.D
Acq: 15 Sep 2020 18:26

Instrument :
MSVOA_D
ClientSampleId :
VD0915SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	32.6	48.8
71	37.5	30.6	45.8

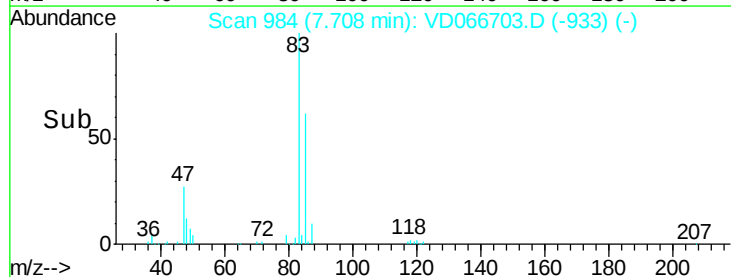
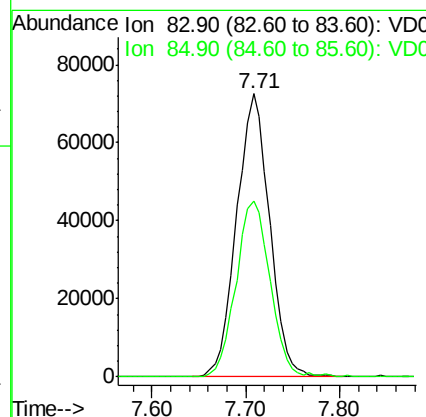
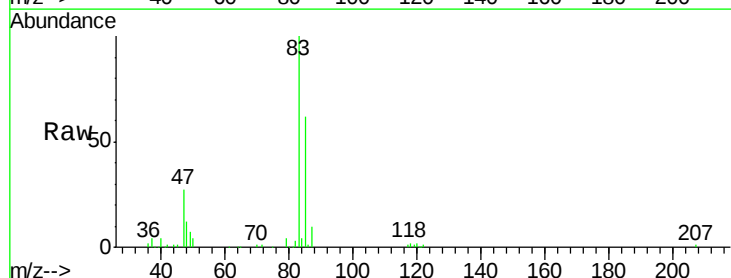
Manual Integrations
APPROVED

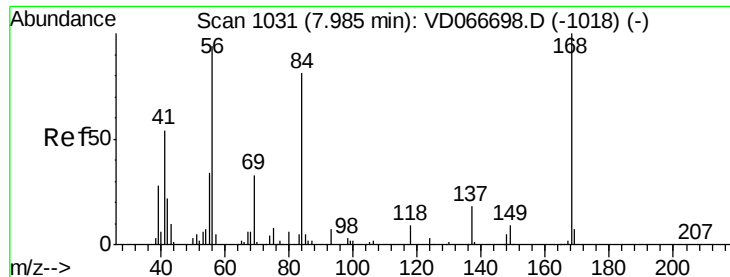
MMDadoda
9/16/2020 11:44:27 AM



#30
Chloroform
Concen: 20.246 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.00 min
Lab File: VD066703.D
Acq: 15 Sep 2020 18:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.3	50.6	76.0





#31

Cyclohexane

Concen: 20.328 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD066703.D

Acq: 15 Sep 2020 18:26

Instrument :

MSVOA_D

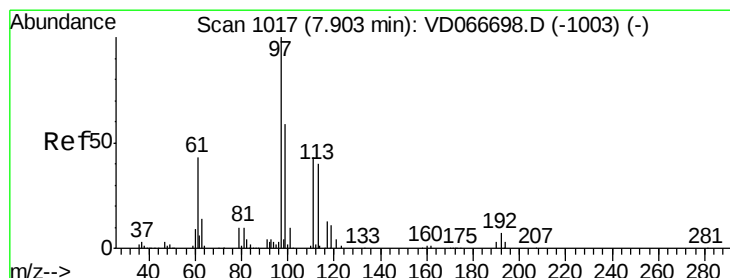
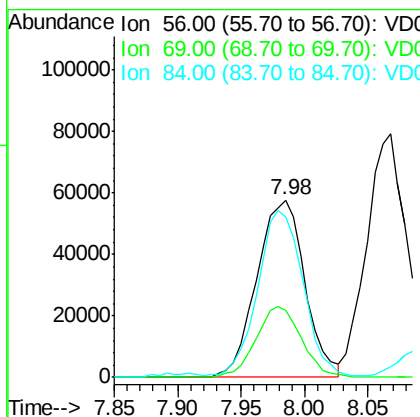
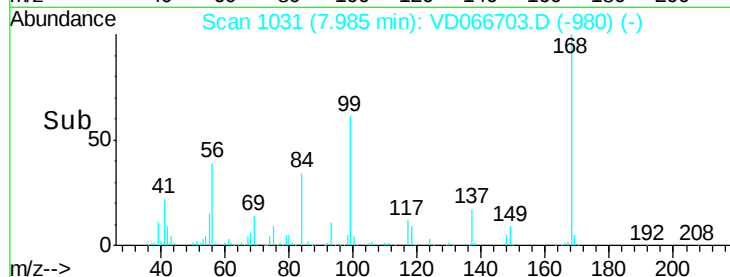
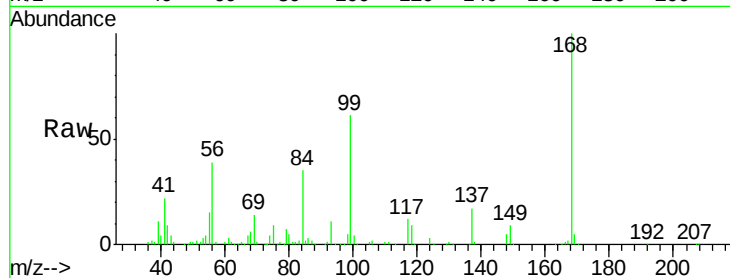
ClientSampleId :

VD0915SBS01

Tot Ion:	56	Resp:	151881
Ion Ratio	Lower	Upper	
56	100		
69	37.6	27.7	41.5
84	88.5	68.5	102.7

Manual Integrations
APPROVED

MMDadoda
9/16/2020 11:44:27 AM



#32

1,1,1-Trichloroethane

Concen: 19.989 ug/l

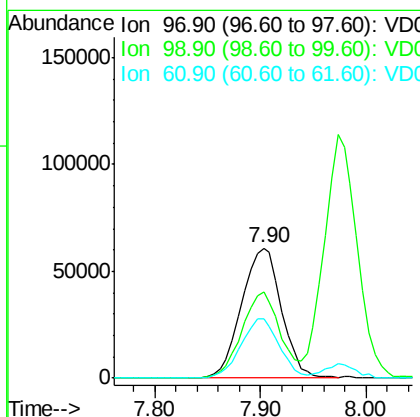
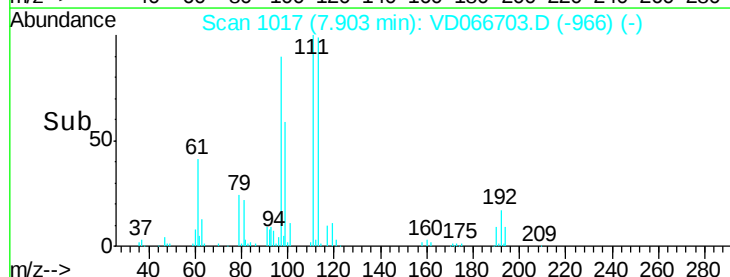
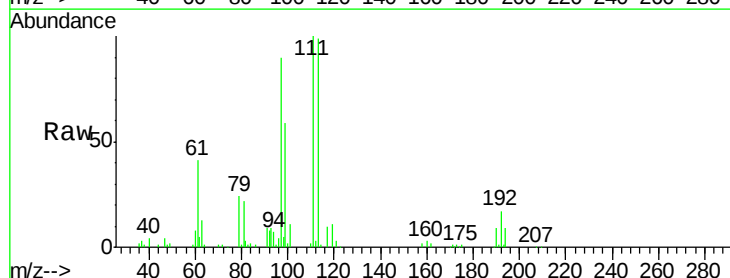
RT: 7.90 min Scan# 1017

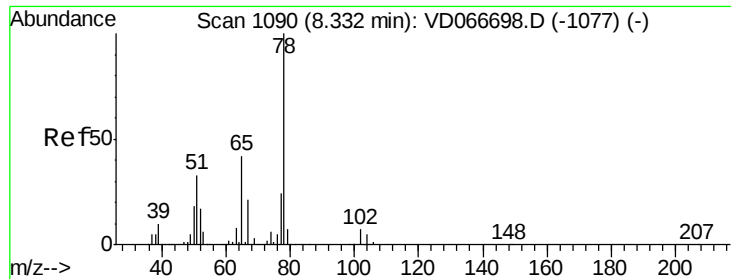
Delta R.T. -0.00 min

Lab File: VD066703.D

Acq: 15 Sep 2020 18:26

Tgt Ion:	97	Resp:	159901
Ion Ratio	Lower	Upper	
97	100		
99	64.1	51.0	76.4
61	43.9	35.2	52.8





#33

1,2-Dichloroethane-d4

Concen: 50.193 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066703.D

Acq: 15 Sep 2020 18:26

Instrument :

MSVOA_D

ClientSampleId :

VD0915SBS01

Tot Ion: 65 Resp: 212302

Ion Ratio Lower Upper

65 100

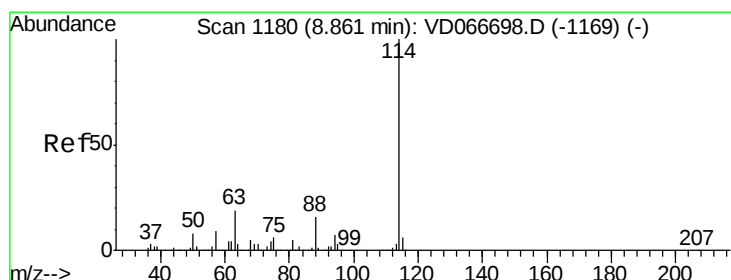
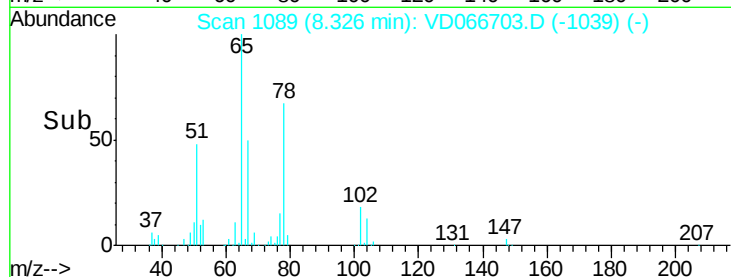
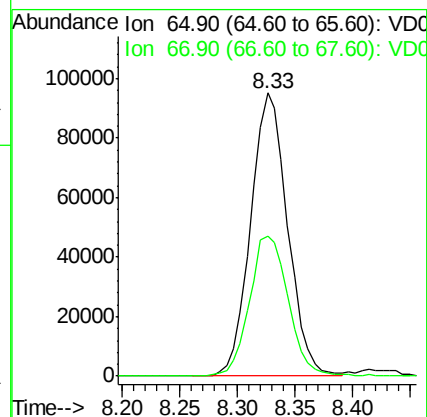
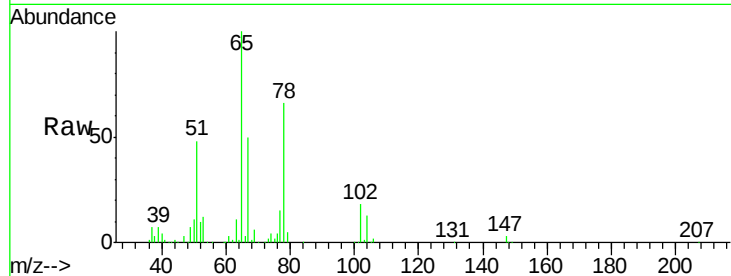
67 52.0 0.0 102.2

Manual Integrations

APPROVED

MMDadoda

9/16/2020 11:44:27 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066703.D

Acq: 15 Sep 2020 18:26

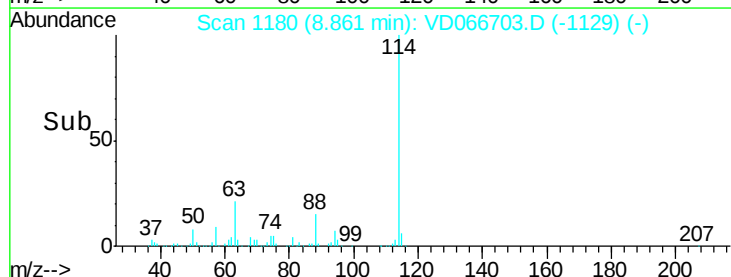
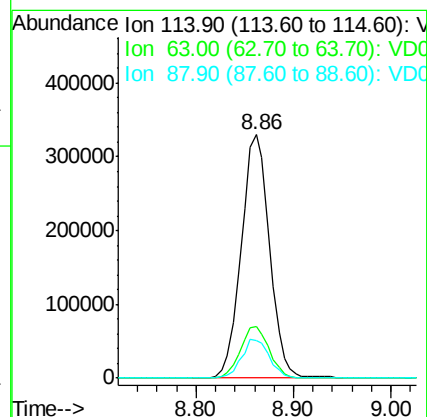
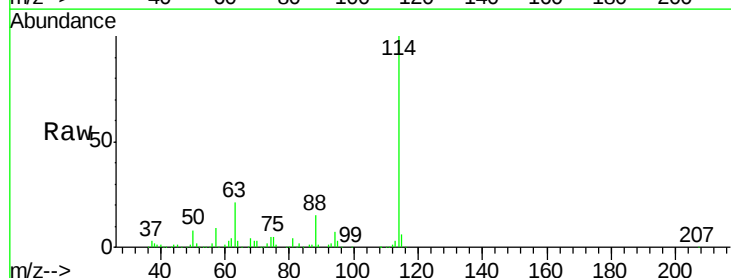
Tgt Ion: 114 Resp: 663467

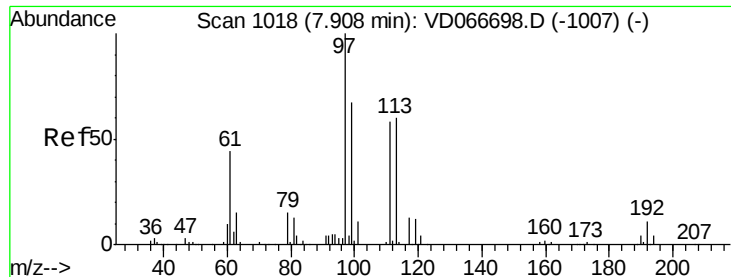
Ion Ratio Lower Upper

114 100

63 21.1 0.0 37.6

88 15.2 0.0 32.2





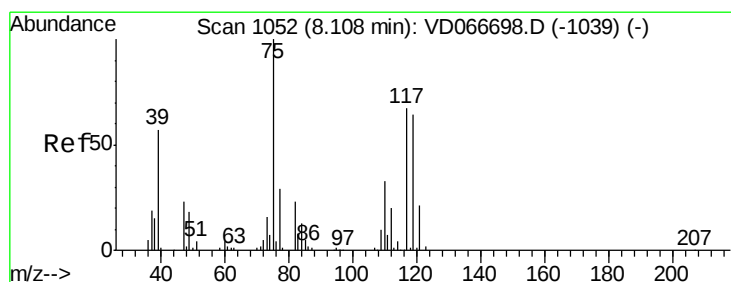
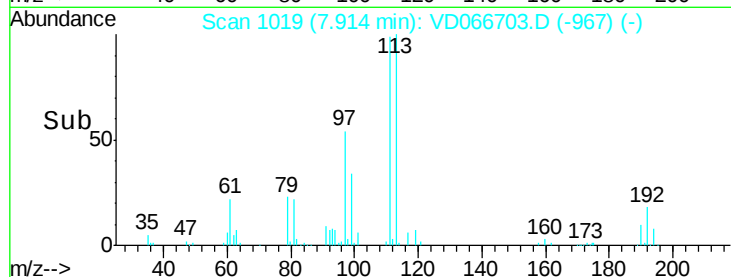
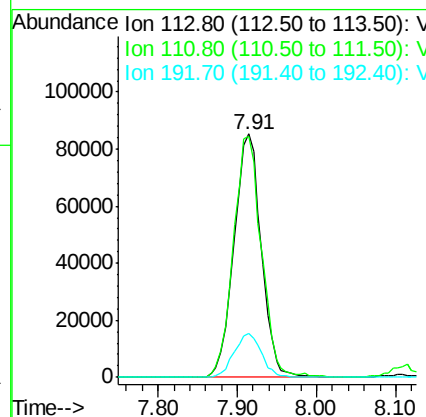
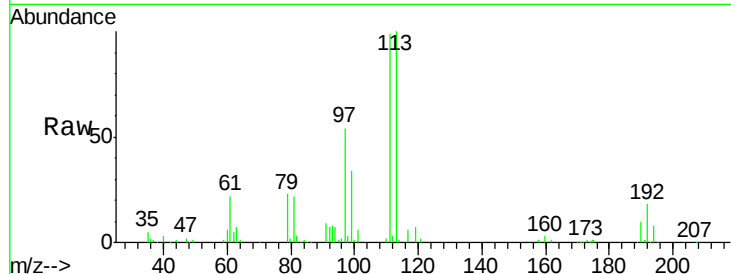
#35
 Dibromofluoromethane
 Concen: 49.894 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066703.D
 Acq: 15 Sep 2020 18:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0915SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	202955		
111	101.7		83.2	124.8
192	18.0		14.8	22.2

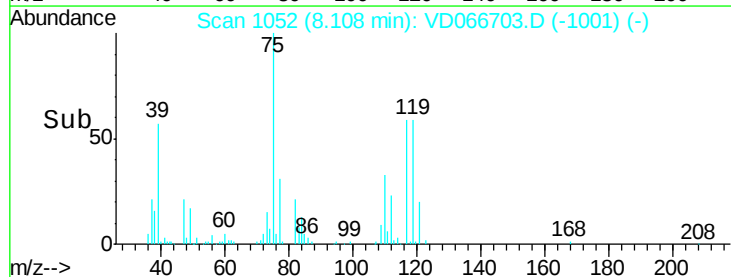
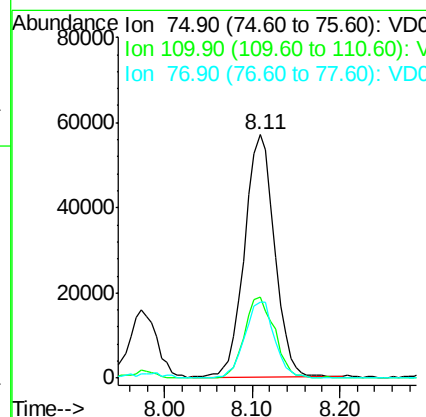
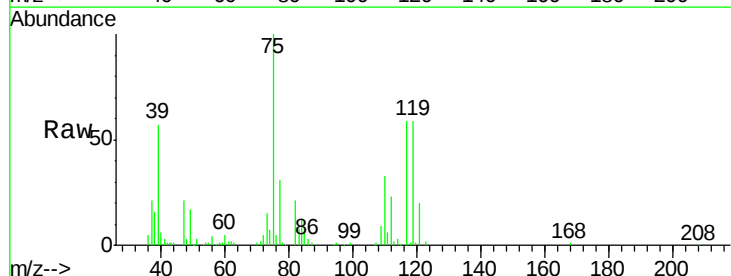
Manual Integrations
 APPROVED

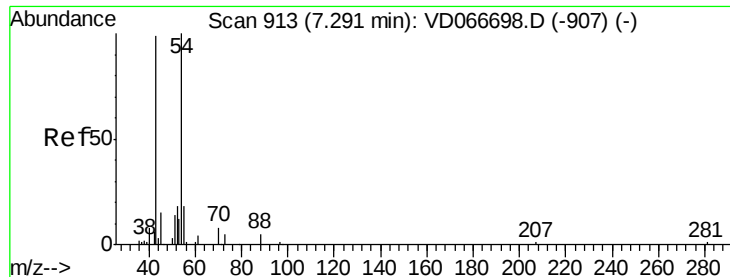
MMDadoda
 9/16/2020 11:44:27 AM



#36
 1,1-Dichloropropene
 Concen: 19.442 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VD066703.D
 Acq: 15 Sep 2020 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	132623		
110	33.3		17.1	51.2
77	31.1		25.0	37.6





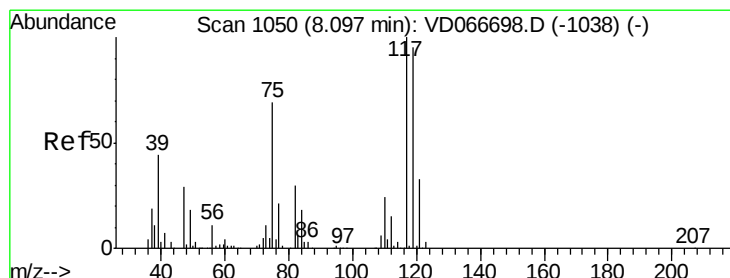
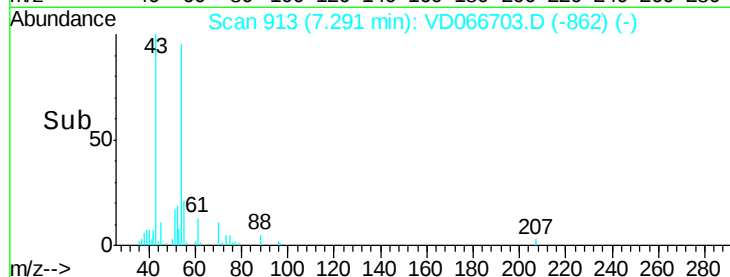
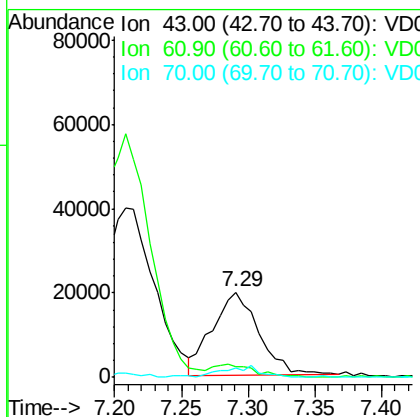
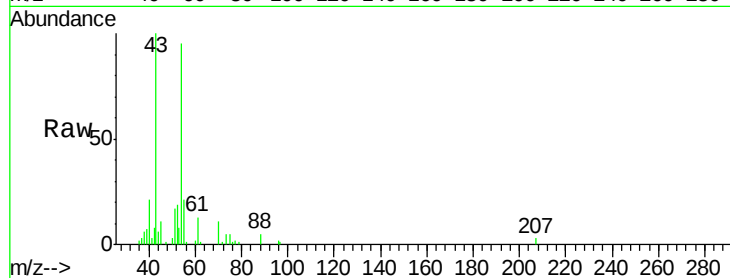
#37
Ethyl Acetate
Concen: 18.870 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD066703.D
Acq: 15 Sep 2020 18:26

Instrument :
MSVOA_D
ClientSampleId :
VD0915SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	10.4	15.6
70	10.9	7.5	11.3

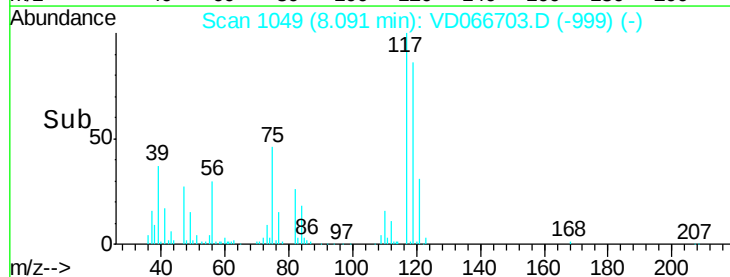
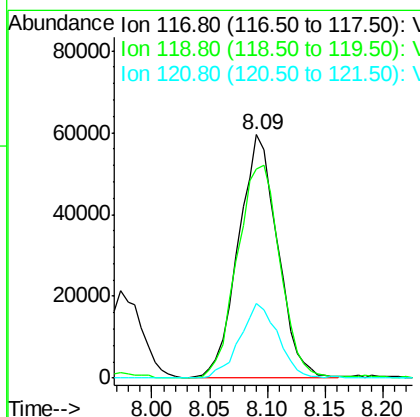
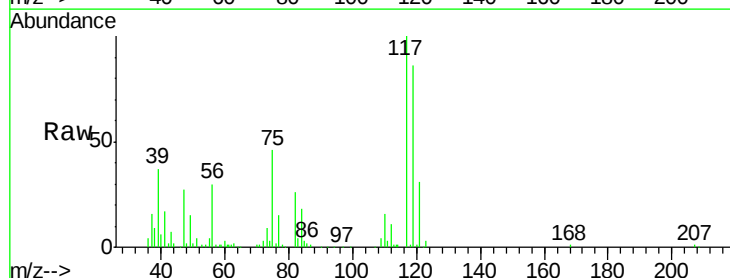
Manual Integrations
APPROVED

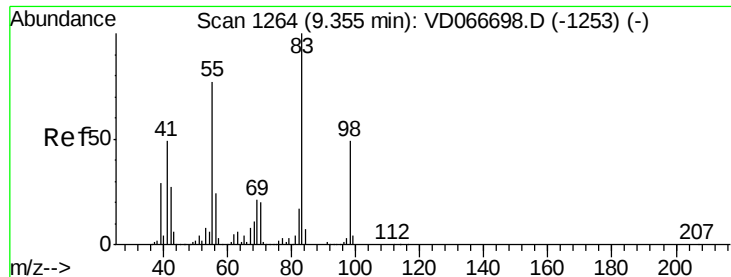
MMDadoda
9/16/2020 11:44:27 AM



#38
Carbon Tetrachloride
Concen: 19.460 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD066703.D
Acq: 15 Sep 2020 18:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	86.1	75.8	113.6
121	30.8	26.2	39.4





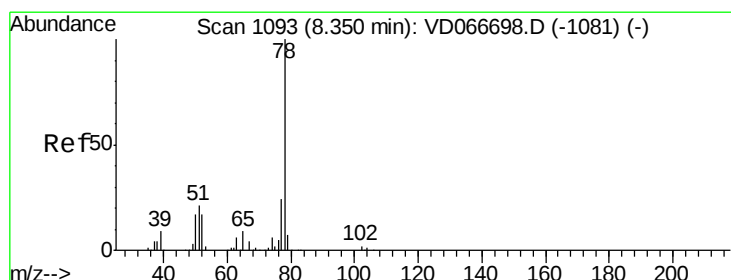
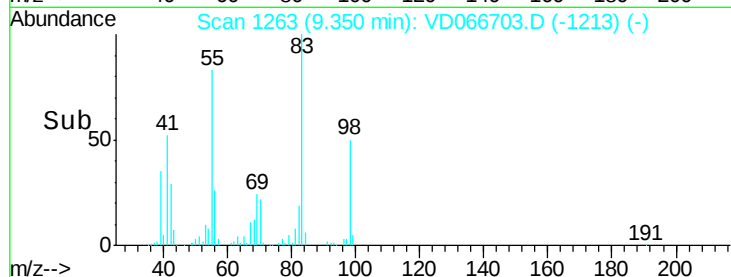
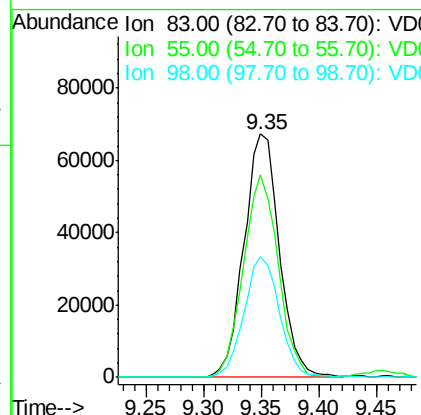
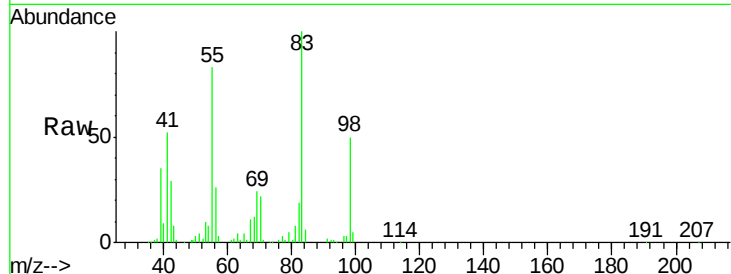
#39
Methvlcvclohexane
Concen: 18.423 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD066703.D
Acq: 15 Sep 2020 18:26

Instrument :
MSVOA_D
ClientSampleId :
VD0915SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	143742		
55	83.2	61.5	92.3	
98	49.8	39.3	58.9	

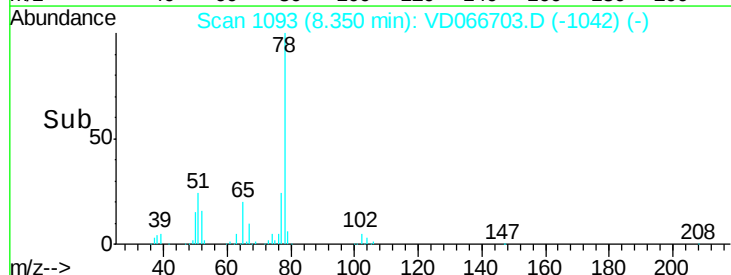
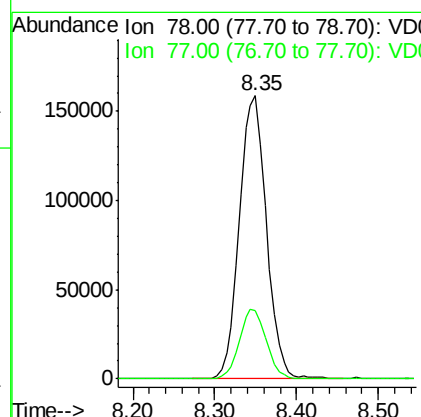
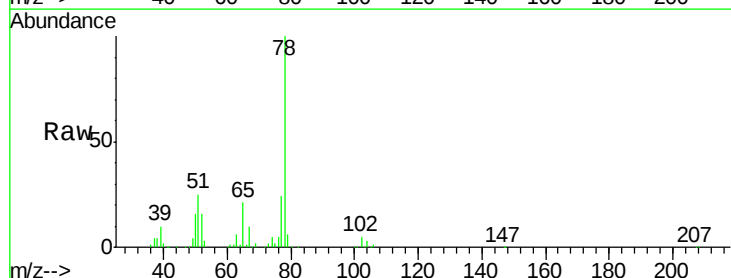
Manual Integrations
APPROVED

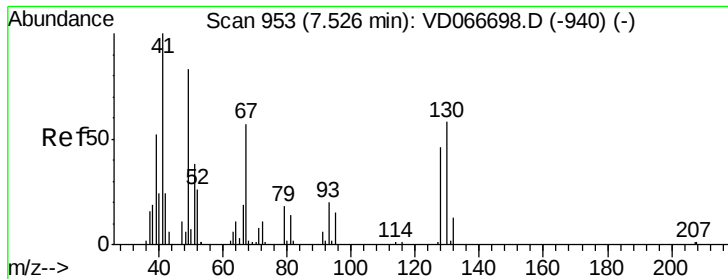
MMDadoda
9/16/2020 11:44:27 AM



#40
Benzene
Concen: 19.901 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD066703.D
Acq: 15 Sep 2020 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	367269		
77	24.1	19.3	28.9	





#41

Methacrylonitrile

Concen: 19.990 ug/l m

RT: 7.53 min Scan# 953

Delta R.T. -0.00 min

Lab File: VD066703.D

Acq: 15 Sep 2020 18:26

Instrument :

MSVOA_D

ClientSampleId :

VD0915SBS01

Tot Ion: 41 Resp: 27330

Ion Ratio Lower Upper

41 100

39 143.1 59.3 88.9#

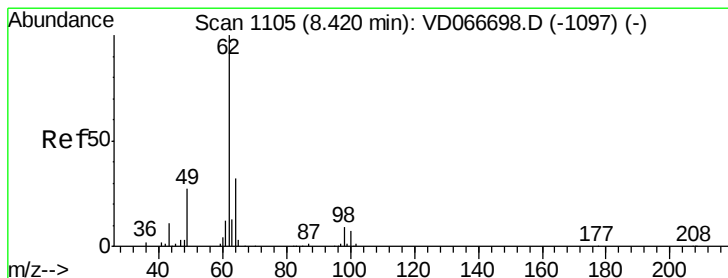
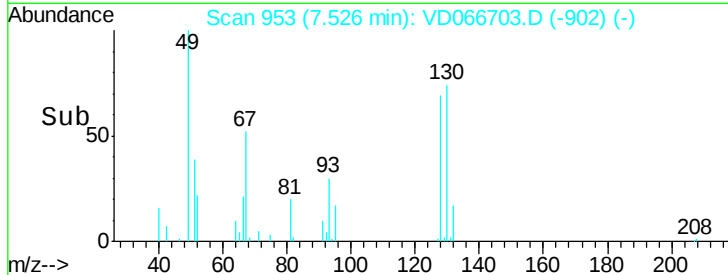
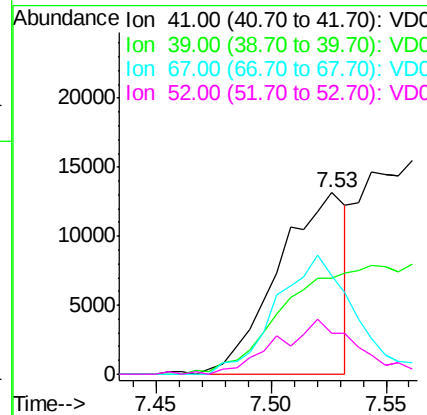
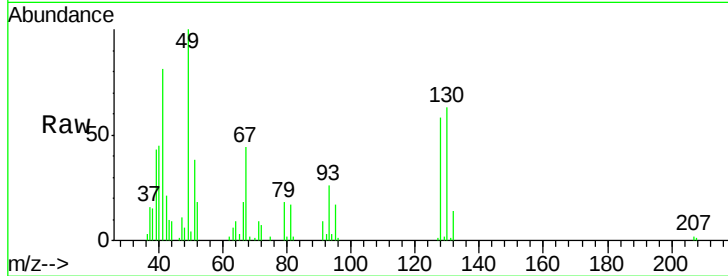
67 0.0 62.3 93.5#

52 0.0 28.0 42.0#

Manual Integrations
APPROVED

MMDadoda

9/16/2020 11:44:27 AM



#42

1,2-Dichloroethane

Concen: 20.563 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VD066703.D

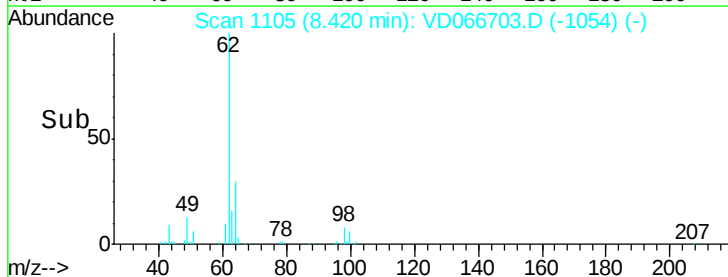
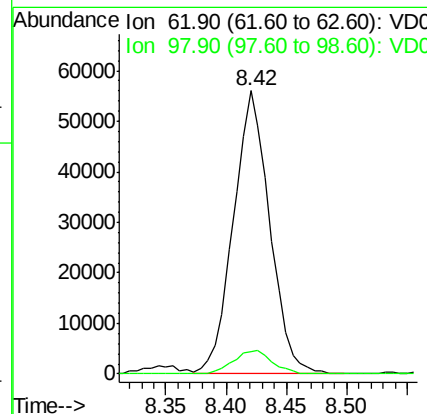
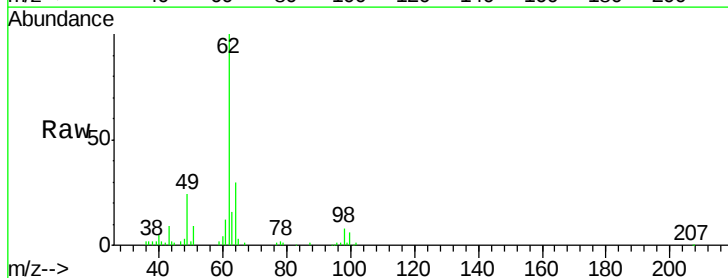
Acq: 15 Sep 2020 18:26

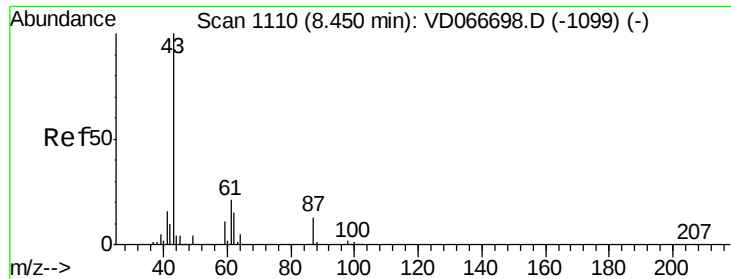
Tgt Ion: 62 Resp: 117566

Ion Ratio Lower Upper

62 100

98 9.0 0.0 17.6





#43

Isopropyl Acetate

Concen: 20.179 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066703.D

Acq: 15 Sep 2020 18:26

Instrument :

MSVOA_D

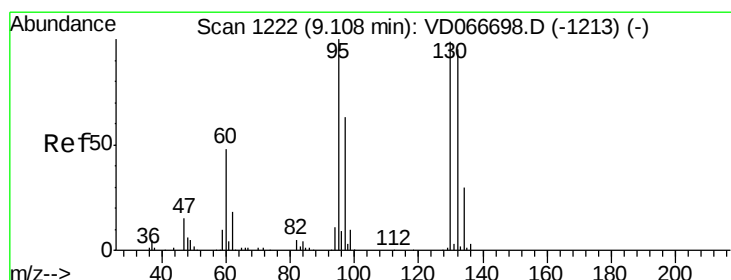
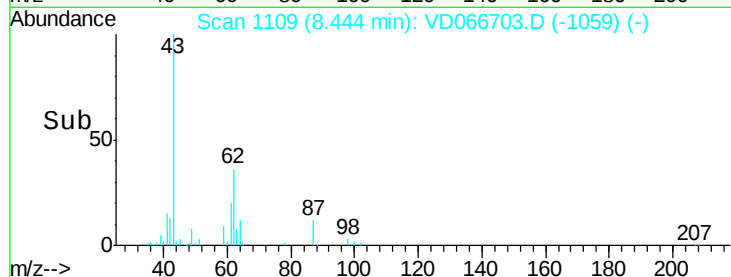
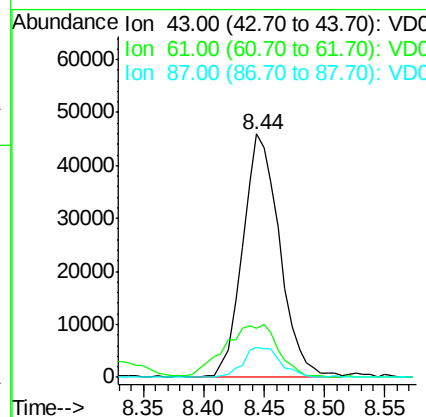
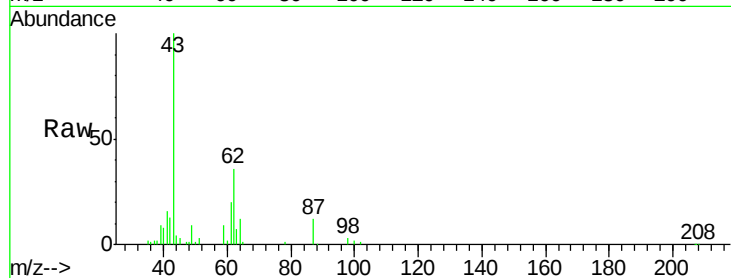
ClientSampleId :

VD0915SBS01

Tot Ion:	43	Resp:	98081
Ion	Ratio	Lower	Upper
43	100		
61	31.4	24.8	37.2
87	12.6	10.4	15.6

Manual Integrations
APPROVED

MMDadoda
9/16/2020 11:44:27 AM



#44

Trichloroethene

Concen: 19.718 ug/l

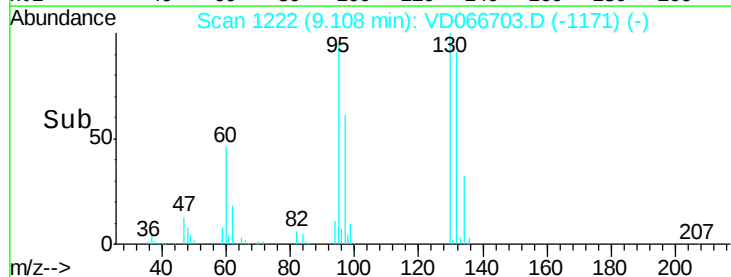
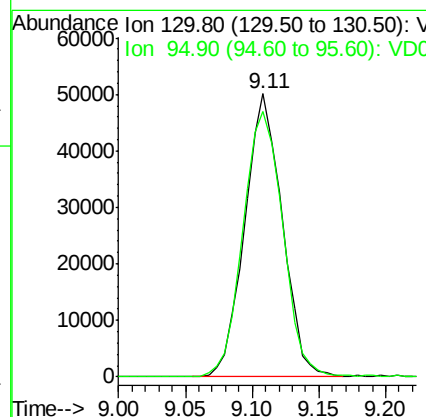
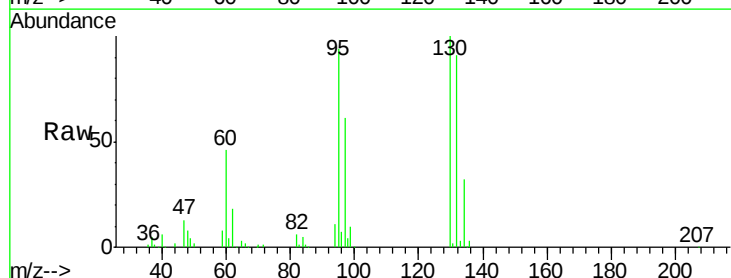
RT: 9.11 min Scan# 1222

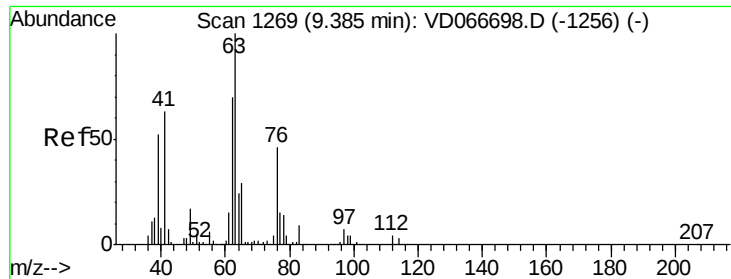
Delta R.T. -0.00 min

Lab File: VD066703.D

Acq: 15 Sep 2020 18:26

Tgt Ion:	130	Resp:	97295
Ion	Ratio	Lower	Upper
130	100		
95	93.6	0.0	201.4





#45

1,2-Dichloropropane

Concen: 19.786 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VD066703.D

Acq: 15 Sep 2020 18:26

Instrument :

MSVOA_D

ClientSampleId :

VD0915SBS01

Tot Ion: 63 Resp: 90270

Ion Ratio Lower Upper

63 100

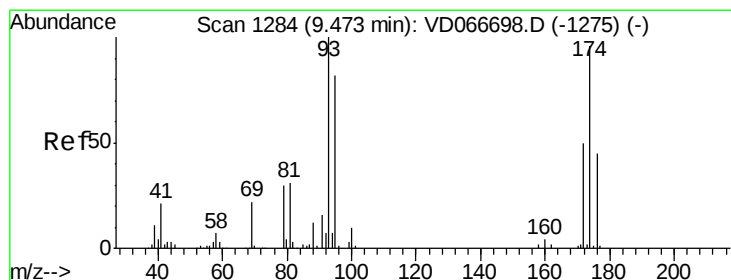
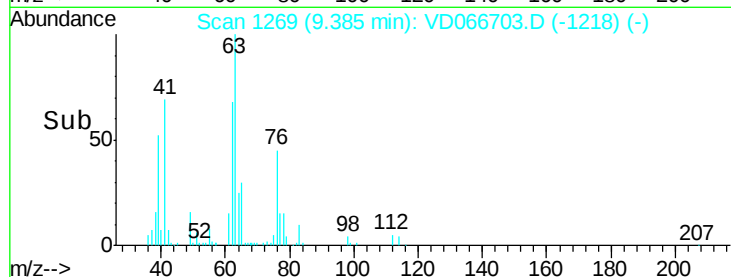
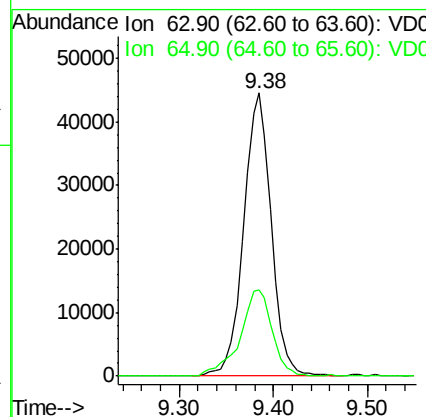
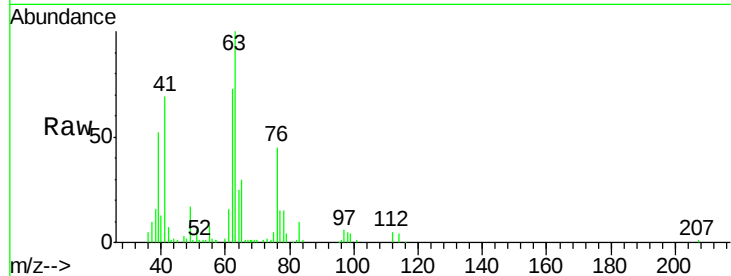
65 30.5 23.4 35.0

Manual Integrations

APPROVED

MMDadoda

9/16/2020 11:44:27 AM



#46

Dibromomethane

Concen: 20.039 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD066703.D

Acq: 15 Sep 2020 18:26

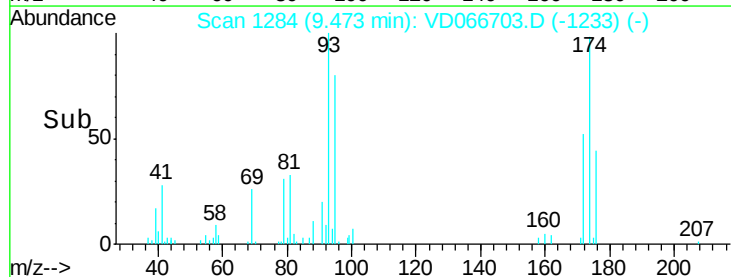
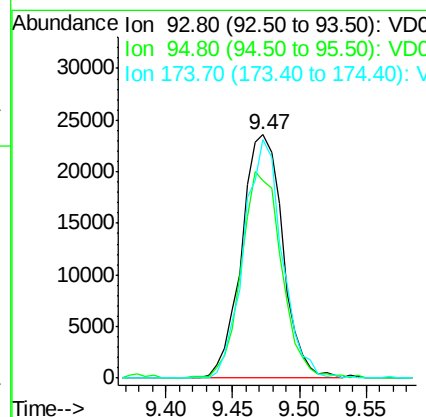
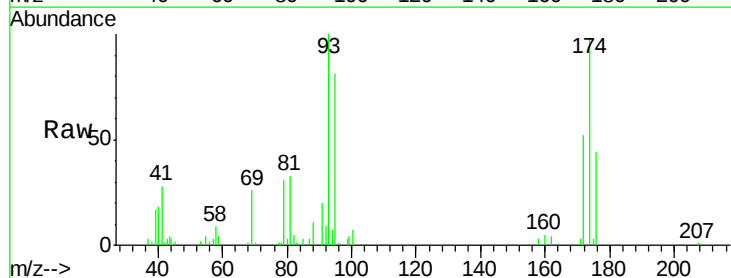
Tgt Ion: 93 Resp: 50239

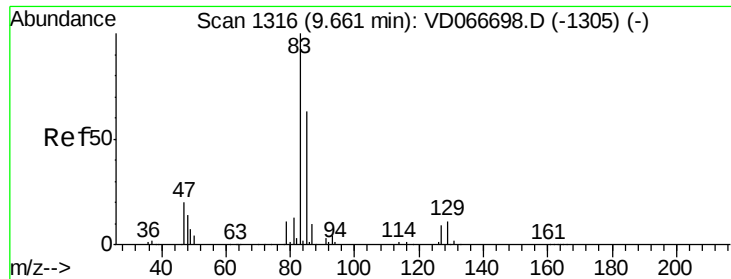
Ion Ratio Lower Upper

93 100

95 83.7 66.0 99.0

174 90.9 72.3 108.5





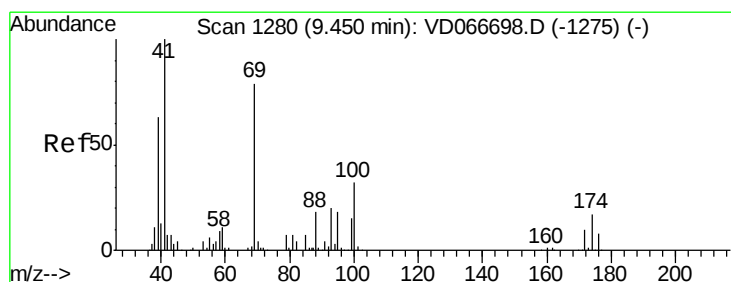
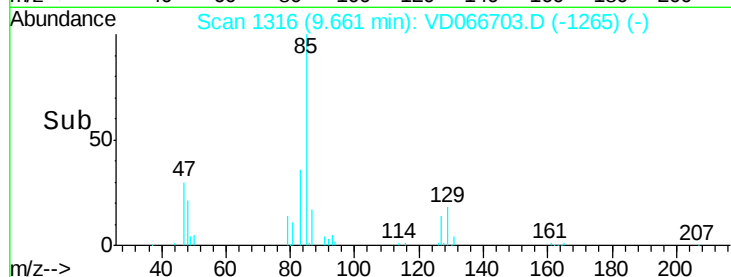
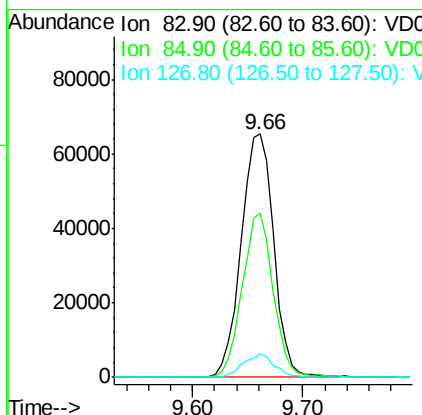
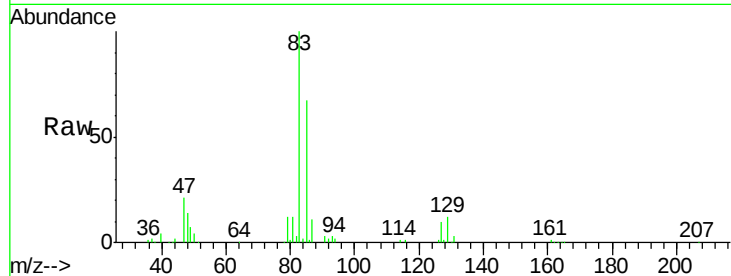
#47
Bromodichloromethane
Concen: 19.835 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VD066703.D
Acq: 15 Sep 2020 18:26

Instrument :
MSVOA_D
ClientSampleId :
VD0915SBS01

Tot Ion	83	Resp	135501
Ion Ratio	100	Lower	Upper
83	100		
85	67.3	50.1	75.1
127	9.7	6.9	10.3

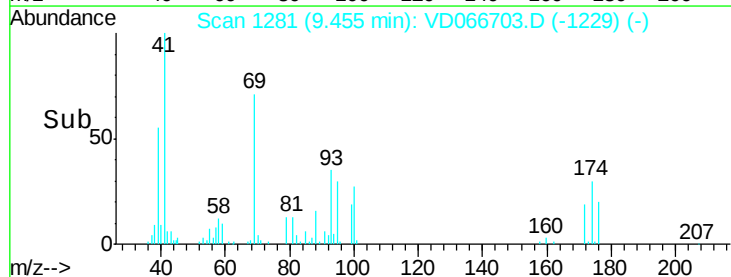
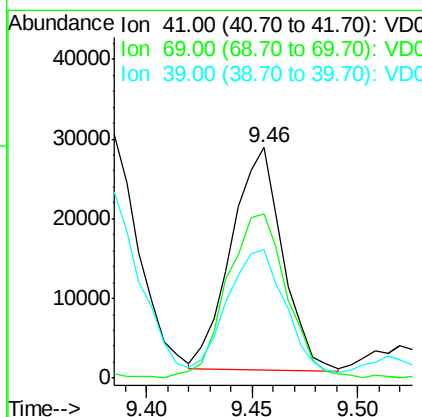
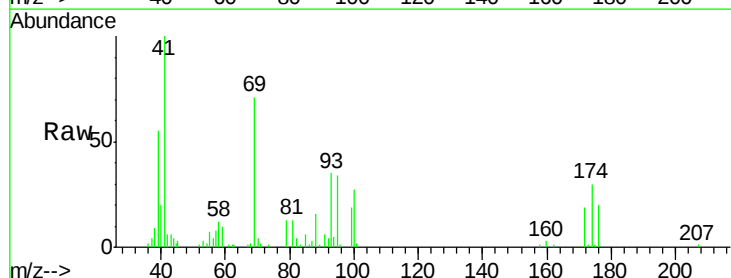
Manual Integrations
APPROVED

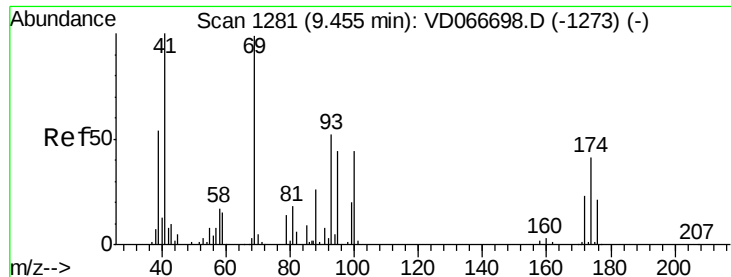
MMDadoda
9/16/2020 11:44:27 AM



#48
Methyl methacrylate
Concen: 19.022 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.01 min
Lab File: VD066703.D
Acq: 15 Sep 2020 18:26

Tgt Ion	41	Resp	47030
Ion Ratio	100	Lower	Upper
41	100		
69	85.7	62.4	93.6
39	62.0	44.8	67.2





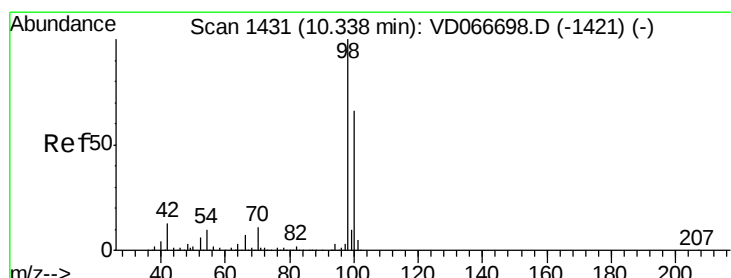
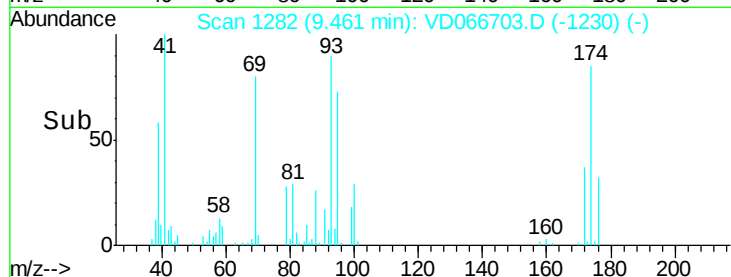
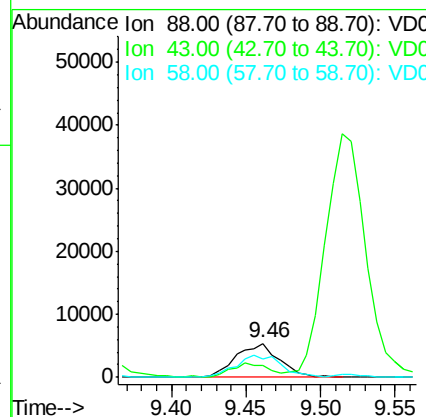
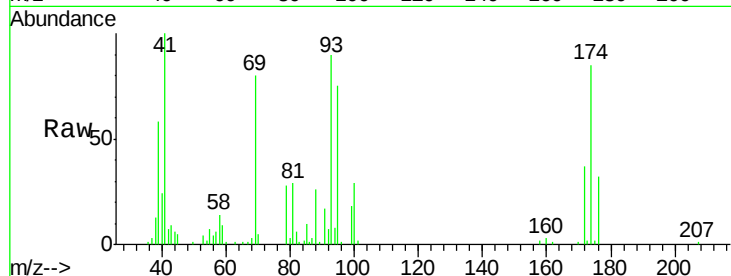
#49
1,4-Dioxane
Concen: 402.570 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.01 min
Lab File: VD066703.D
Acq: 15 Sep 2020 18:26

Instrument :
MSVOA_D
ClientSampleId :
VD0915SBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	10811		
43	36.0	29.3	43.9	
58	69.6	51.4	77.2	

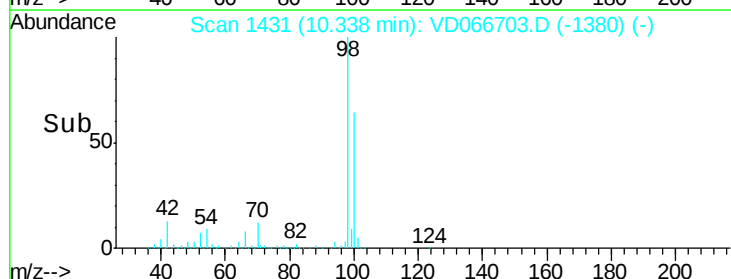
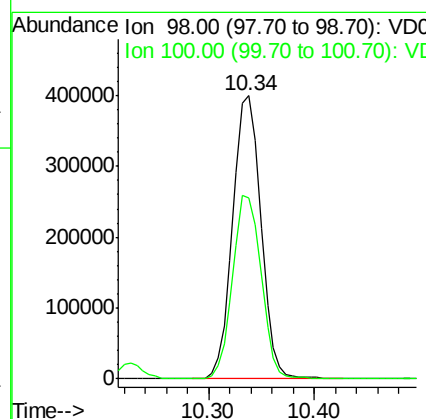
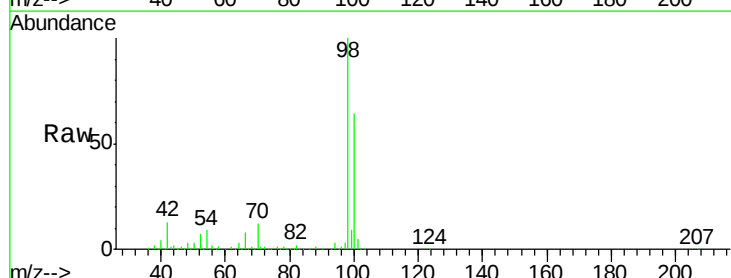
Manual Integrations
APPROVED

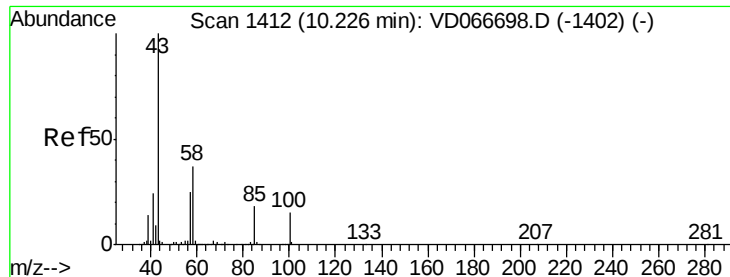
MMDadoda
9/16/2020 11:44:27 AM



#50
Toluene-d8
Concen: 51.041 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066703.D
Acq: 15 Sep 2020 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	739700		
100	65.5	52.7	79.1	





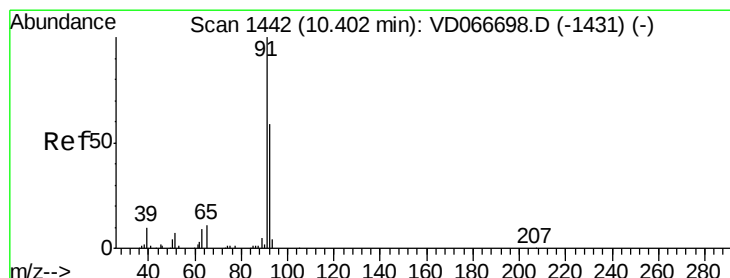
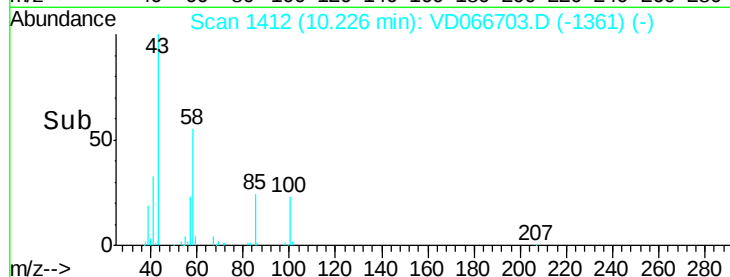
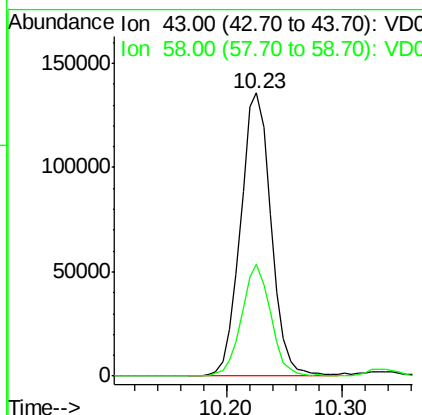
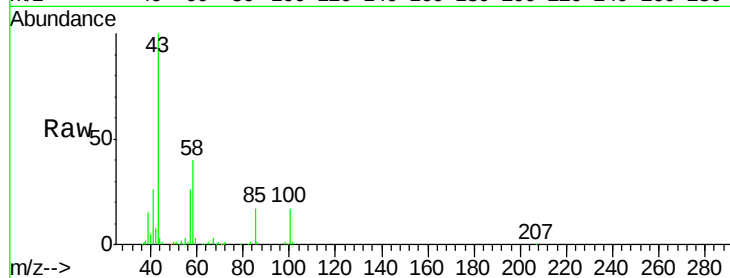
#51
4-Methyl-2-Pentanone
Concen: 99.966 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. -0.00 min
Lab File: VD066703.D
Acq: 15 Sep 2020 18:26

Instrument :
MSVOA_D
ClientSampleId :
VD0915SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.4	45.6

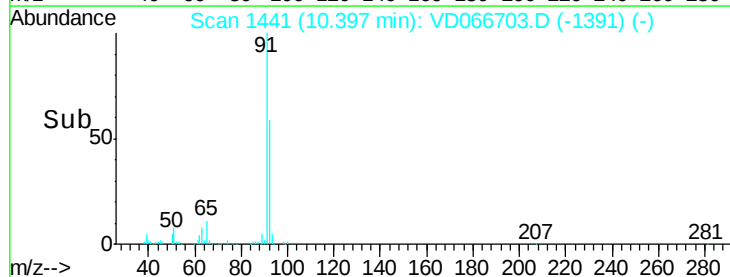
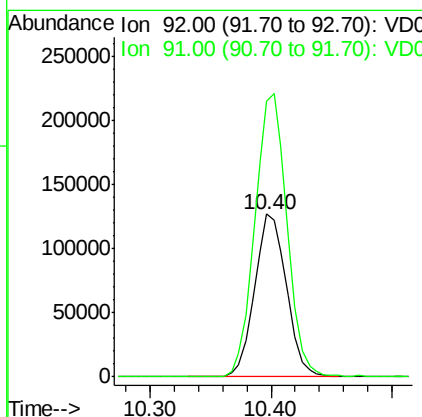
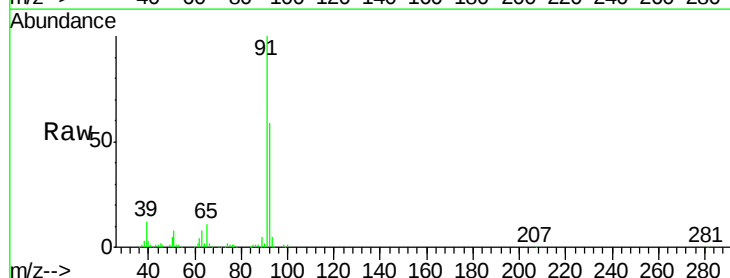
Manual Integrations
APPROVED

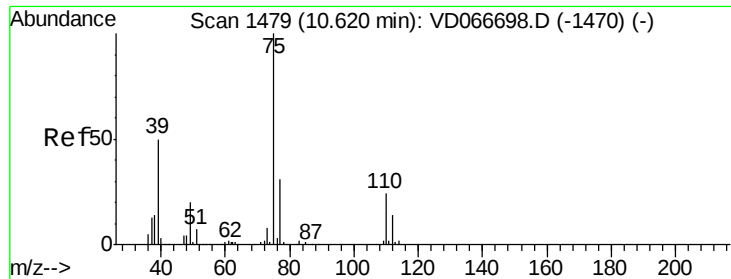
MMDadoda
9/16/2020 11:44:27 AM



#52
Toluene
Concen: 19.690 ug/l
RT: 10.40 min Scan# 1441
Delta R.T. -0.01 min
Lab File: VD066703.D
Acq: 15 Sep 2020 18:26

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.7	135.8	203.8





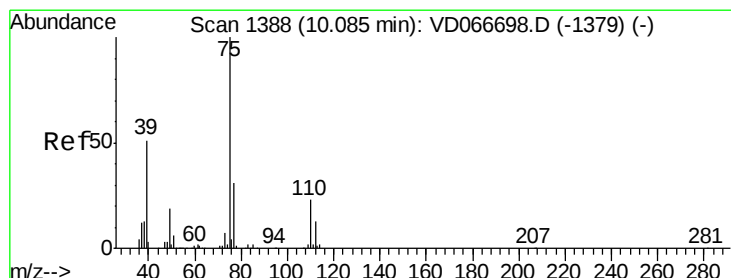
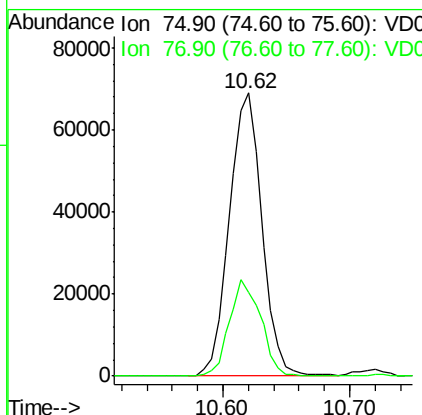
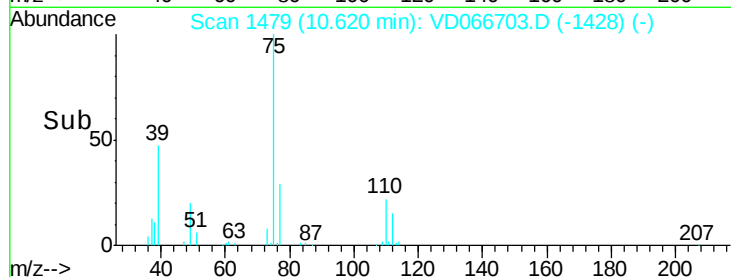
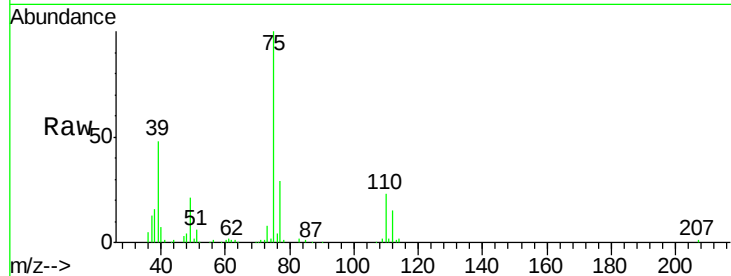
#53
t-1,3-Dichloropropene
Concen: 20.147 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.00 min
Lab File: VD066703.D
Acq: 15 Sep 2020 18:26

Instrument :
MSVOA_D
ClientSampleId :
VD0915SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.5	24.6	36.8

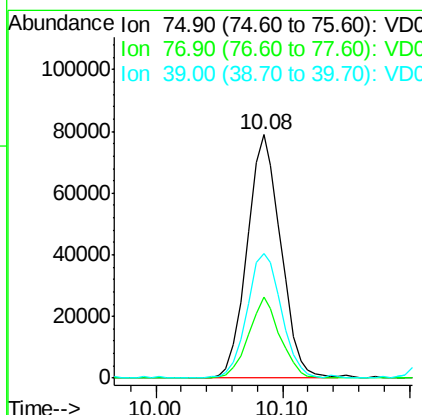
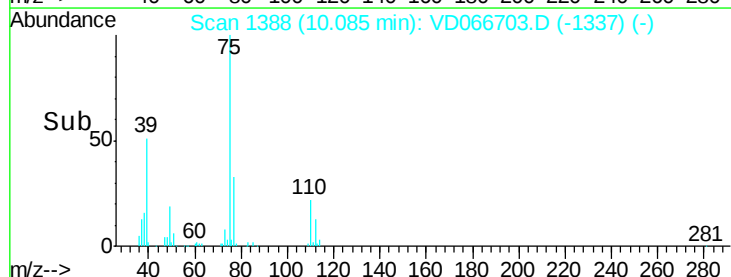
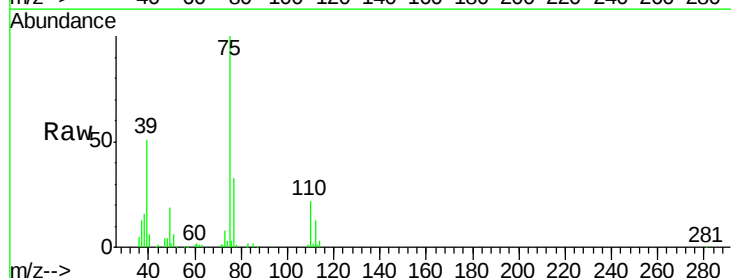
Manual Integrations
APPROVED

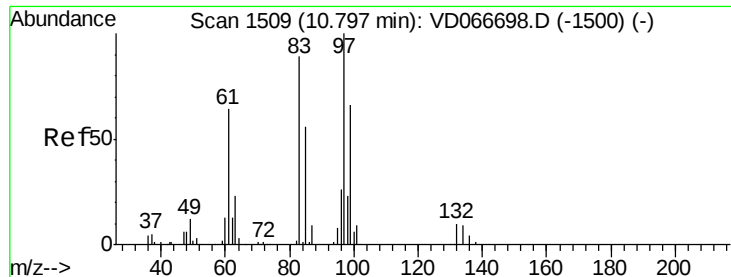
MMDadoda
9/16/2020 11:44:27 AM



#54
cis-1,3-Dichloropropene
Concen: 20.075 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VD066703.D
Acq: 15 Sep 2020 18:26

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.2	25.0	37.6
39	50.9	40.6	61.0





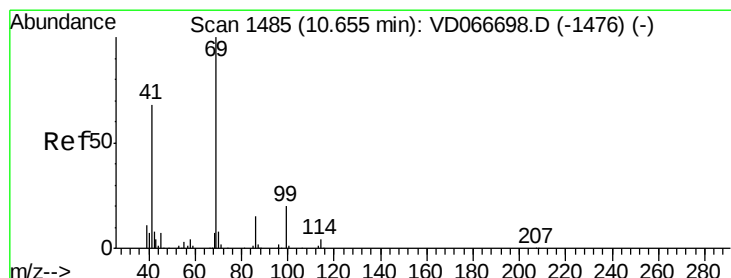
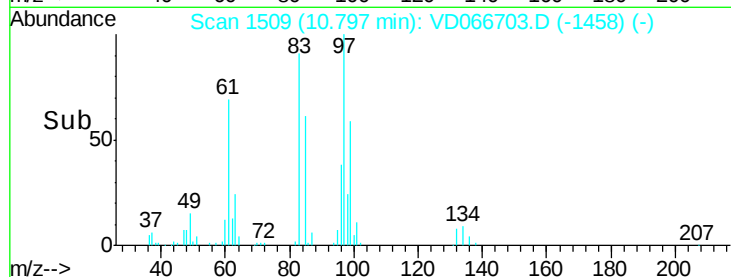
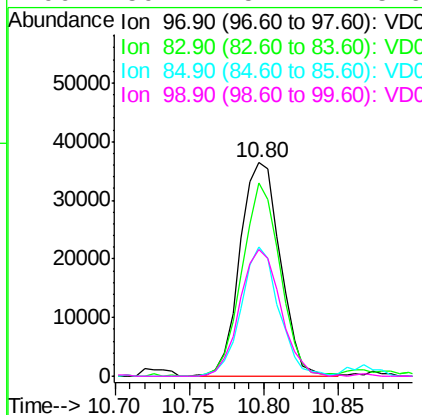
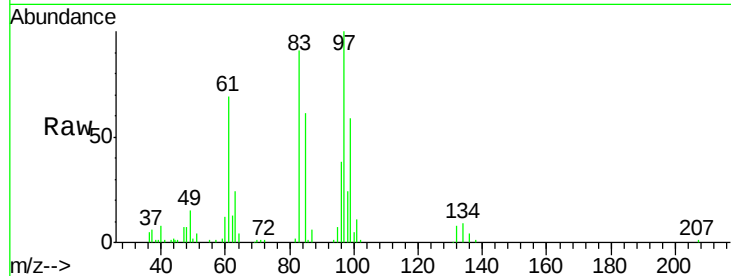
#55
 1,1,2-Trichloroethane
 Concen: 20.587 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: VD066703.D
 Acq: 15 Sep 2020 18:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0915SBS01

Tot Ion:	97	Resp:	68047
Ion	Ratio	Lower	Upper
97	100		
83	90.7	71.4	107.2
85	60.8	44.7	67.1
99	59.1	52.4	78.6

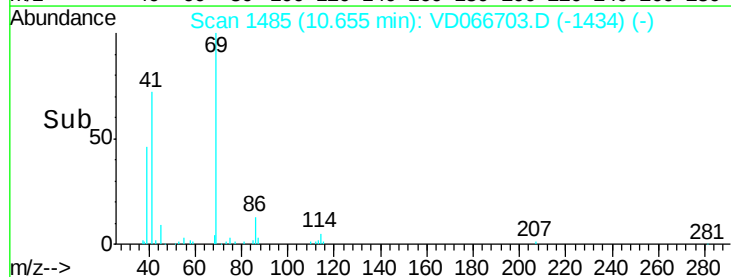
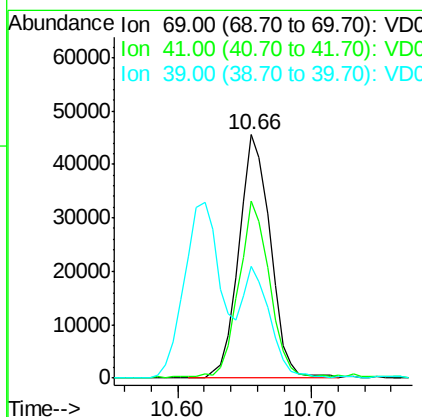
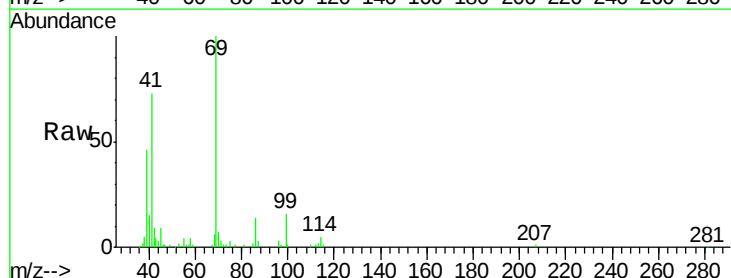
Manual Integrations
 APPROVED

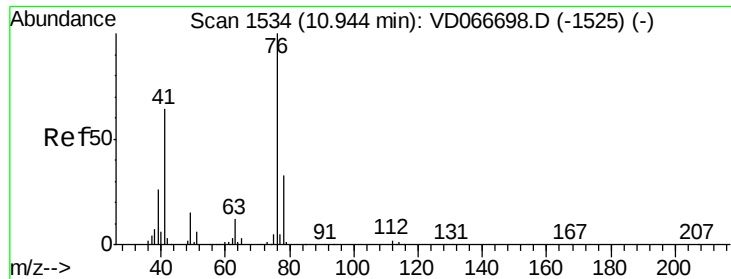
MMDadoda
 9/16/2020 11:44:27 AM



#56
 Ethyl methacrylate
 Concen: 19.789 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VD066703.D
 Acq: 15 Sep 2020 18:26

Tgt Ion:	69	Resp:	74227
Ion	Ratio	Lower	Upper
69	100		
41	72.5	55.5	83.3
39	39.1	29.7	44.5





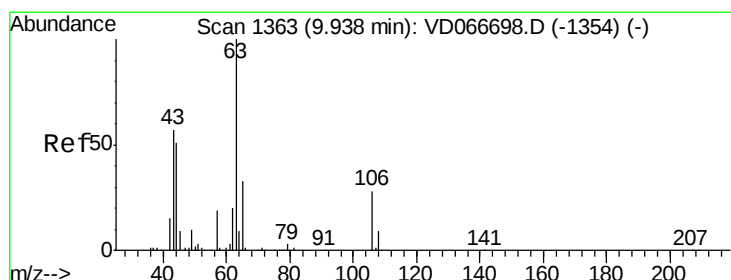
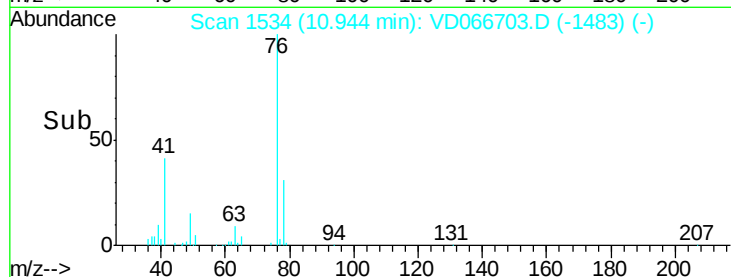
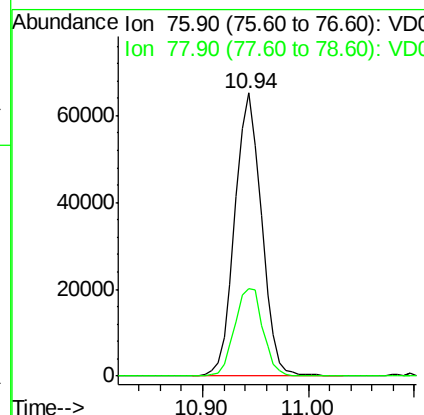
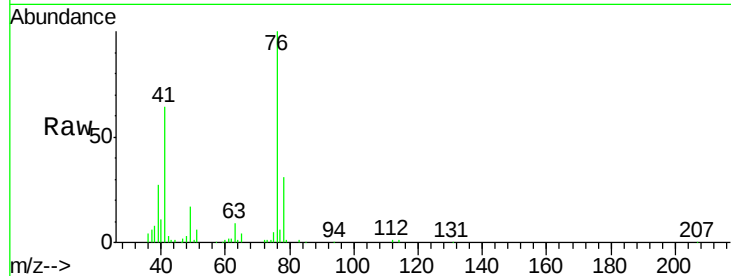
#57
 1,3-Dichloropropane
 Concen: 19.708 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD066703.D
 Acq: 15 Sep 2020 18:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0915SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.2	39.2

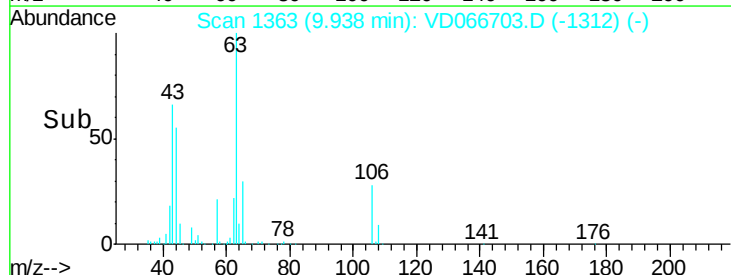
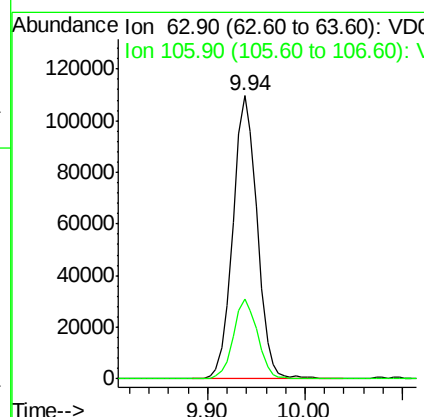
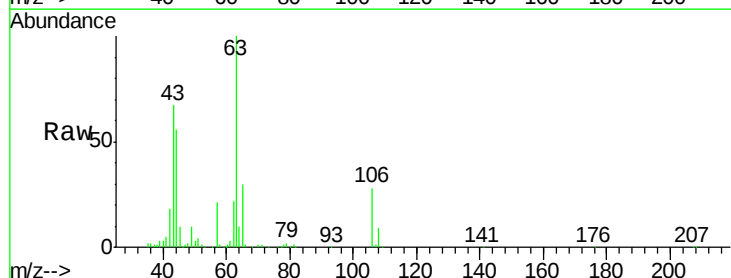
Manual Integrations
 APPROVED

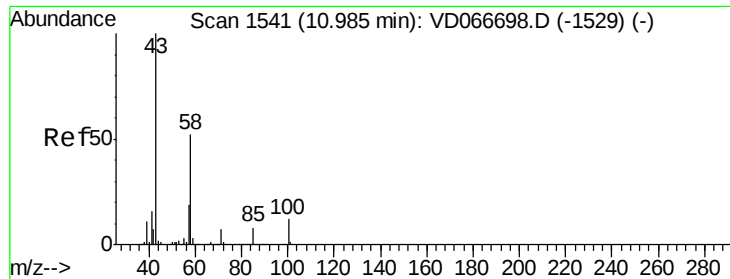
MMDadoda
 9/16/2020 11:44:27 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 114.902 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VD066703.D
 Acq: 15 Sep 2020 18:26

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.1	22.2	33.4





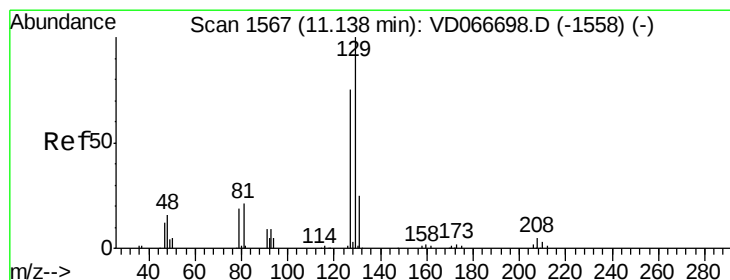
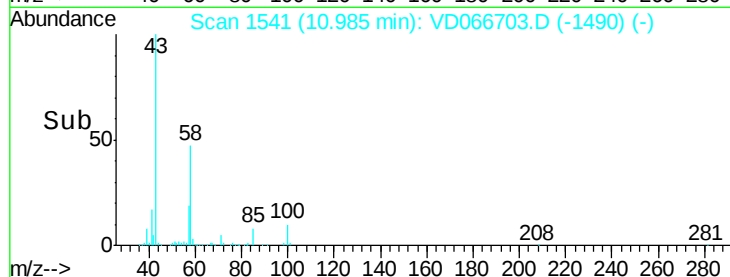
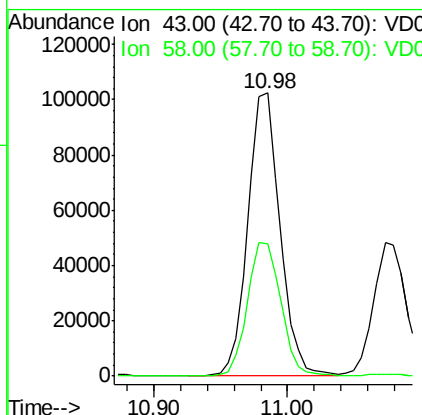
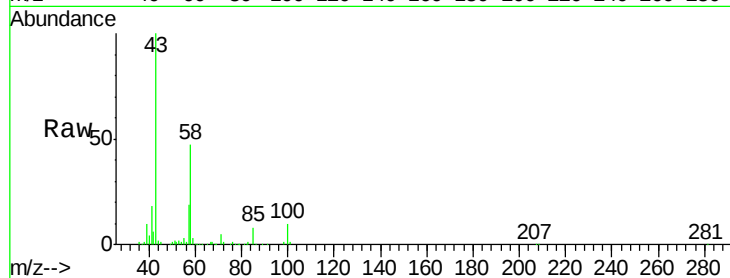
#59
2-Hexanone
Concen: 101.334 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD066703.D
Acq: 15 Sep 2020 18:26

Instrument :
MSVOA_D
ClientSampleId :
VD0915SBS01

Tot Ion: 43 Resp: 170385
Ion Ratio Lower Upper
43 100
58 48.9 26.2 78.5

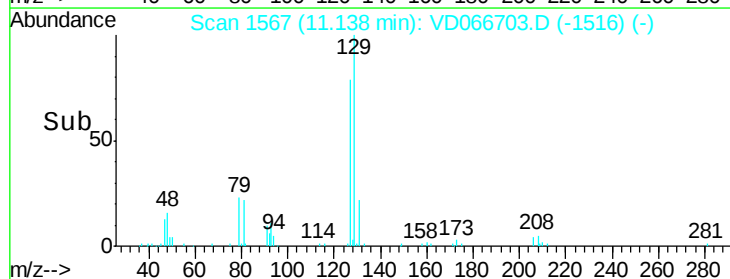
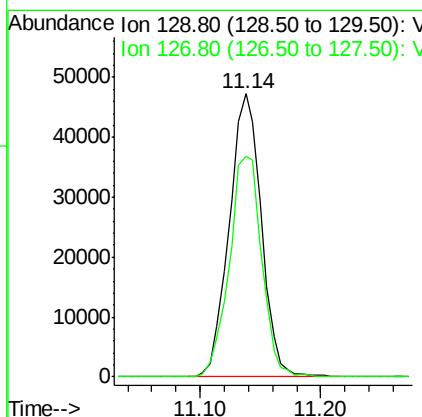
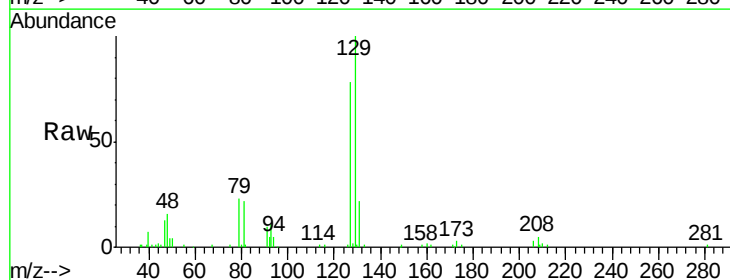
Manual Integrations
APPROVED

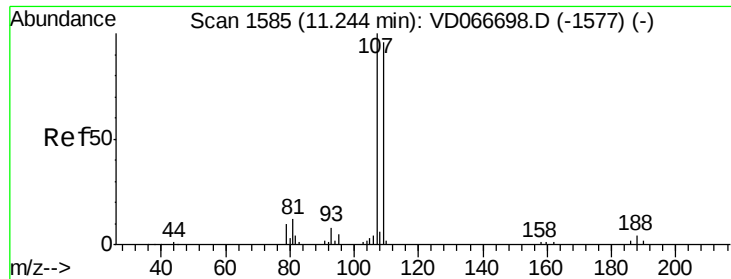
MMDadoda
9/16/2020 11:44:27 AM



#60
Dibromochloromethane
Concen: 20.299 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066703.D
Acq: 15 Sep 2020 18:26

Tgt Ion: 129 Resp: 87425
Ion Ratio Lower Upper
129 100
127 78.8 38.1 114.3





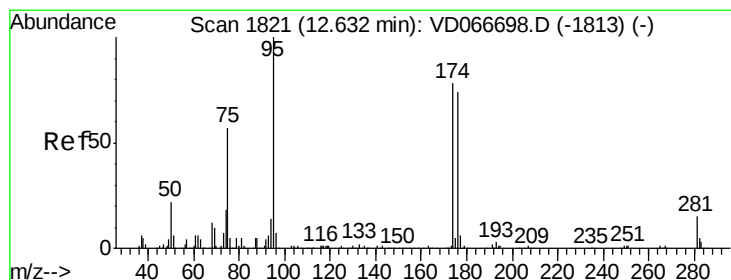
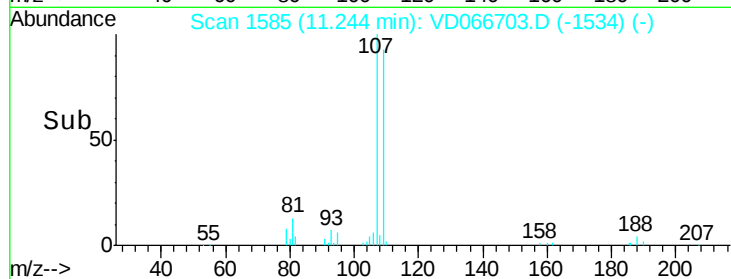
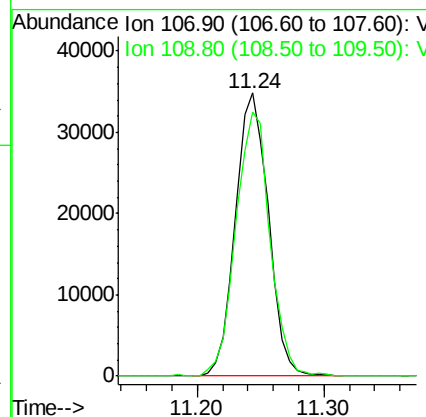
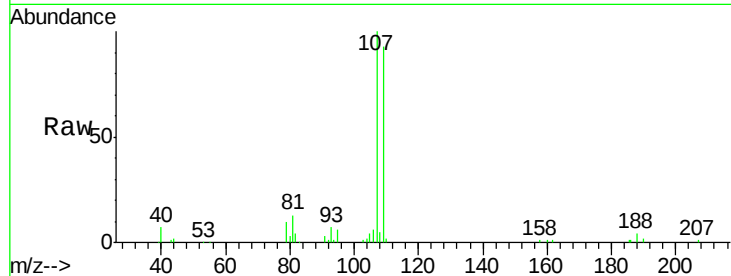
#61
 1,2-Dibromoethane
 Concen: 19.798 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066703.D
 Acq: 15 Sep 2020 18:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0915SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.5	75.6	113.4

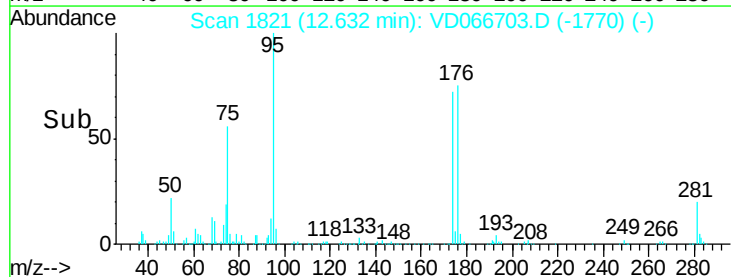
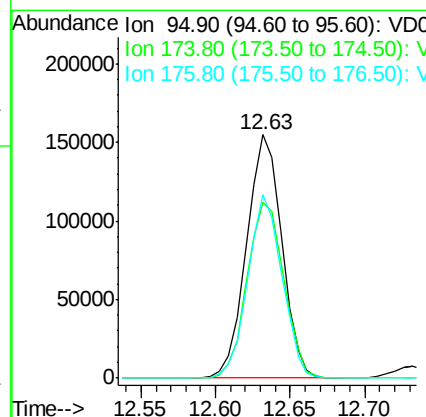
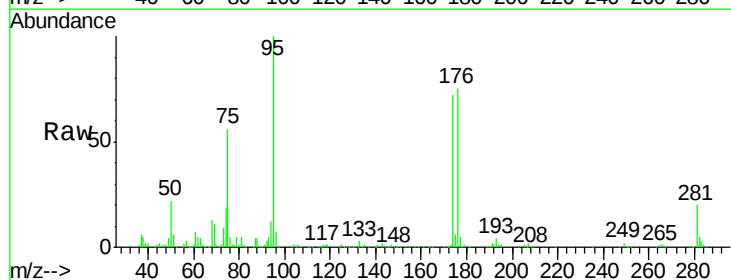
Manual Integrations
 APPROVED

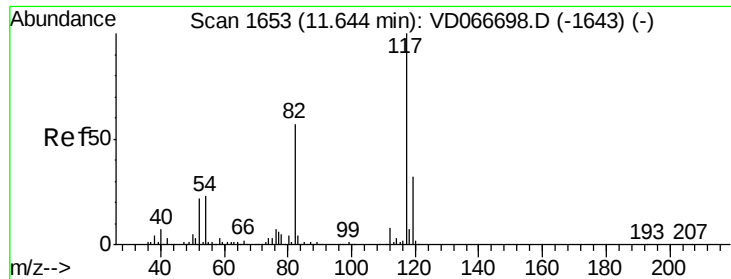
MMDadoda
 9/16/2020 11:44:27 AM



#62
 4-Bromofluorobenzene
 Concen: 50.604 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066703.D
 Acq: 15 Sep 2020 18:26

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.6	0.0	156.6
176	72.9	0.0	150.2





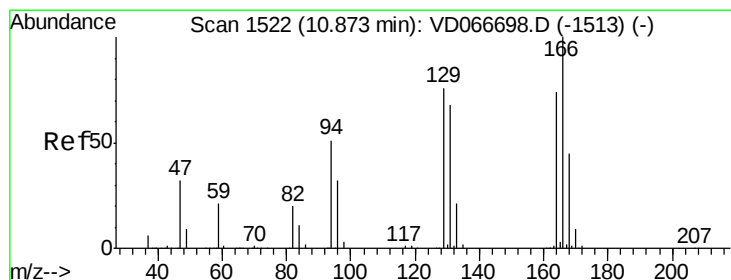
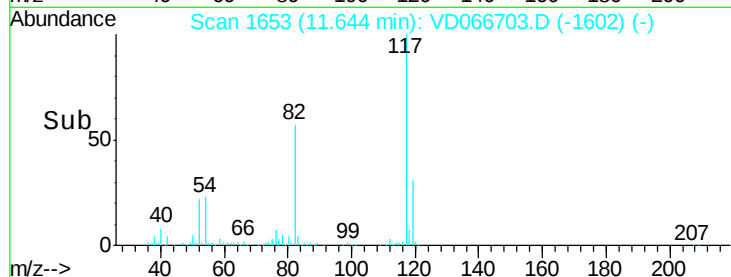
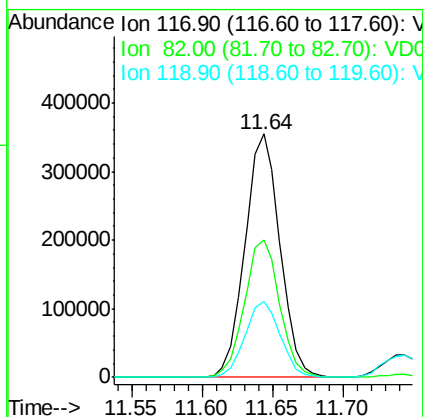
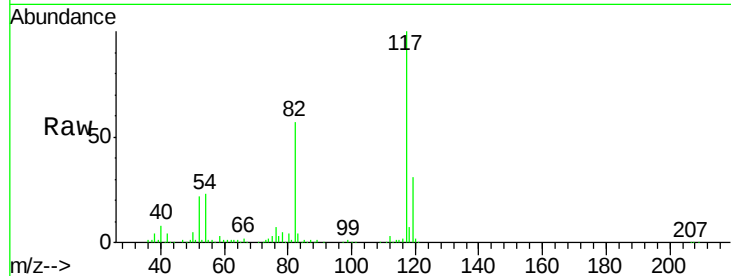
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066703.D
Acq: 15 Sep 2020 18:26

Instrument :
MSVOA_D
ClientSampleId :
VD0915SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	616785		
82	56.7		45.4	68.0
119	31.4		25.8	38.6

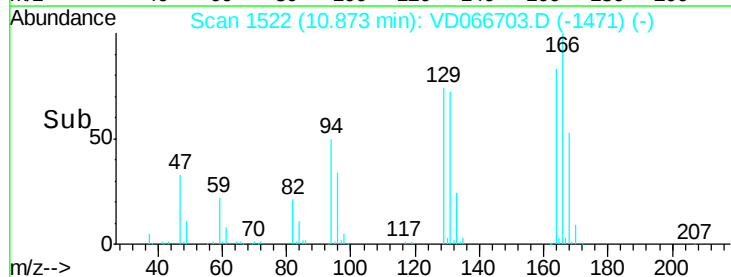
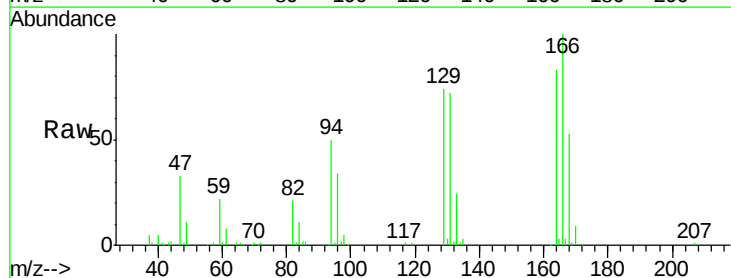
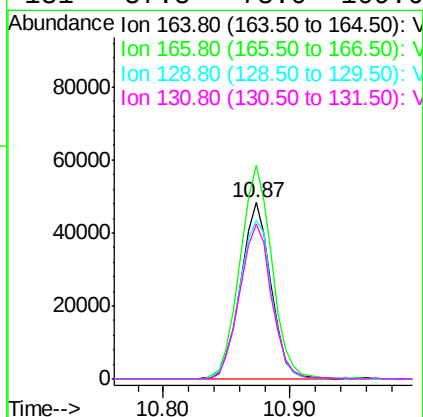
Manual Integrations
APPROVED

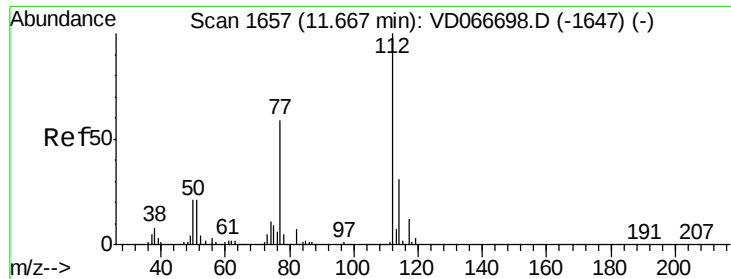
MMDadoda
9/16/2020 11:44:27 AM



#64
Tetrachloroethene
Concen: 19.095 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066703.D
Acq: 15 Sep 2020 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	80396		
166	121.2		107.5	161.3
129	90.1		81.4	122.0
131	87.5		73.0	109.6





#65

Chlorobenzene

Concen: 18.973 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VD066703.D

Acq: 15 Sep 2020 18:26

Instrument :

MSVOA_D

ClientSampleId :

VD0915SBS01

Tot Ion:112 Resp: 242283

Ion Ratio Lower Upper

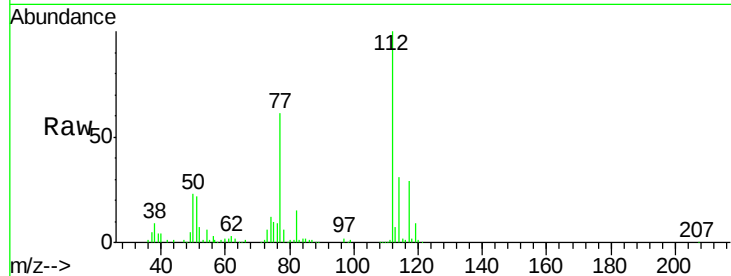
112 100

114 30.6 25.0 37.6

Manual Integrations
APPROVED

MMDadoda

9/16/2020 11:44:27 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.67

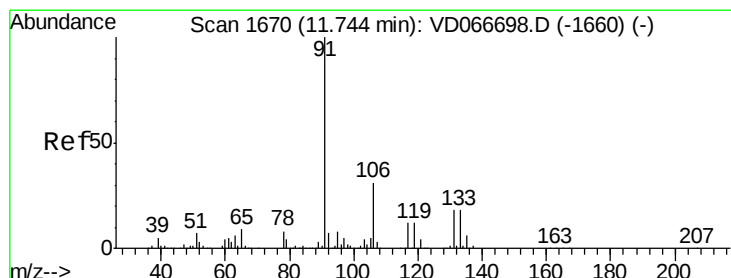
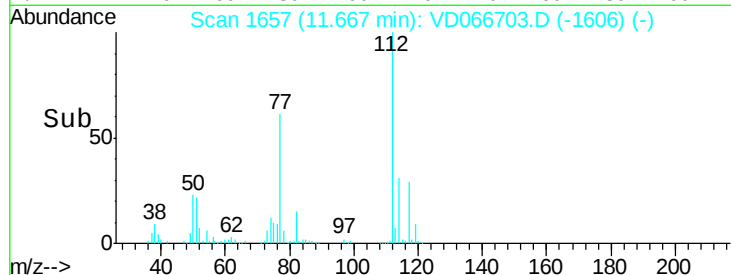
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.820 ug/l

RT: 11.74 min Scan# 1669

Delta R.T. -0.01 min

Lab File: VD066703.D

Acq: 15 Sep 2020 18:26

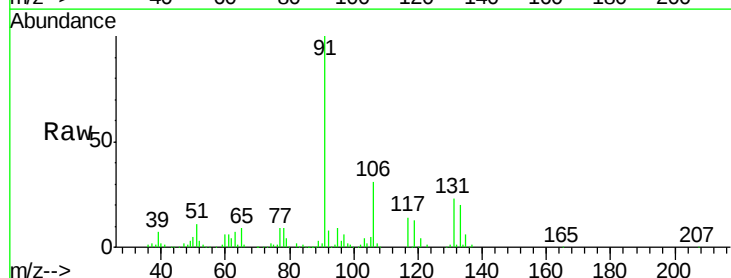
Tgt Ion:131 Resp: 93384

Ion Ratio Lower Upper

131 100

133 94.1 47.8 143.3

119 63.1 33.6 100.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.74

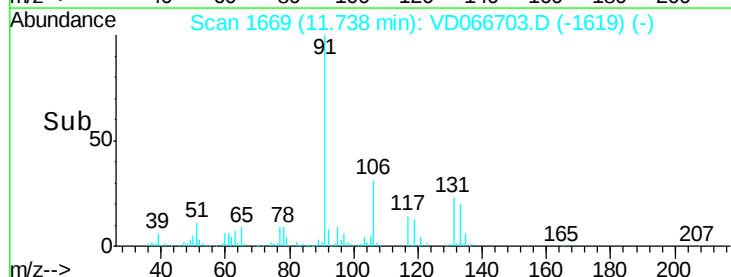
150000

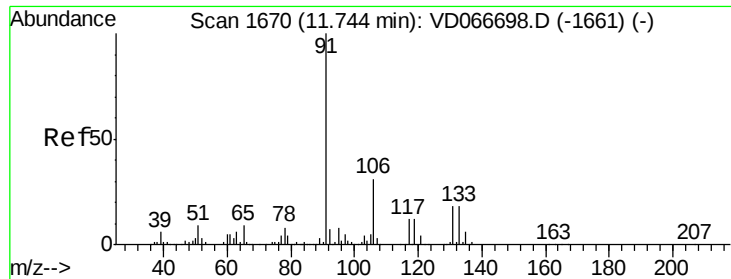
100000

50000

0

Time-->





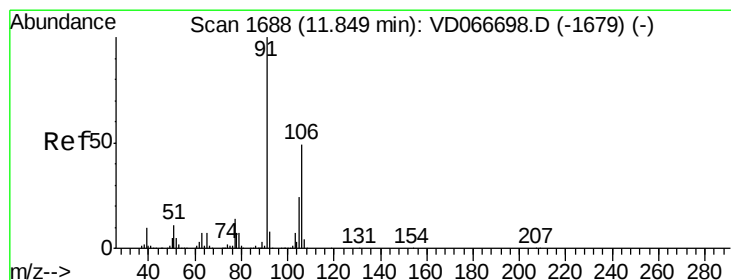
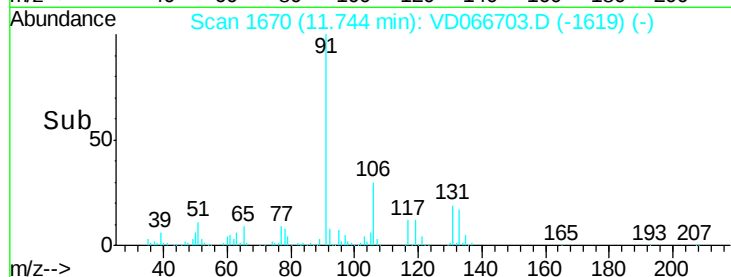
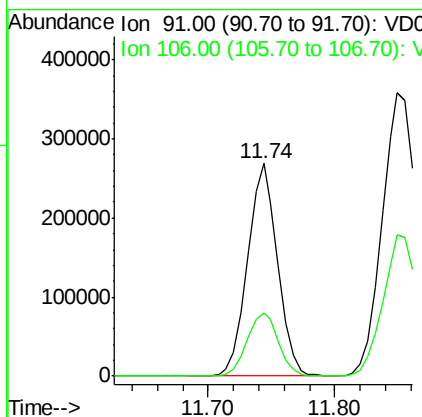
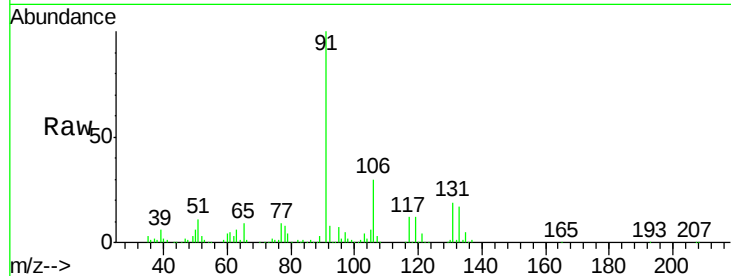
#67
Ethyl Benzene
Concen: 19.061 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066703.D
Acq: 15 Sep 2020 18:26

Instrument :
MSVOA_D
ClientSampleId :
VD0915SBS01

Tot Ion: 91 Resp: 440895
Ion Ratio Lower Upper
91 100
106 29.6 25.1 37.7

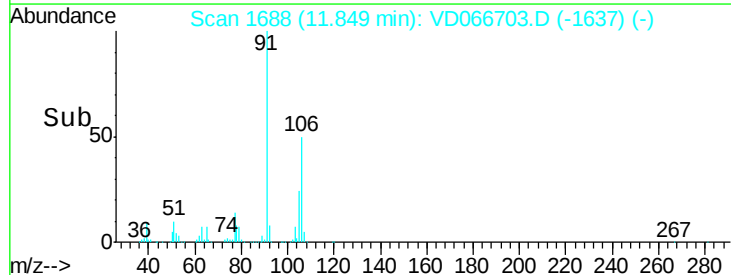
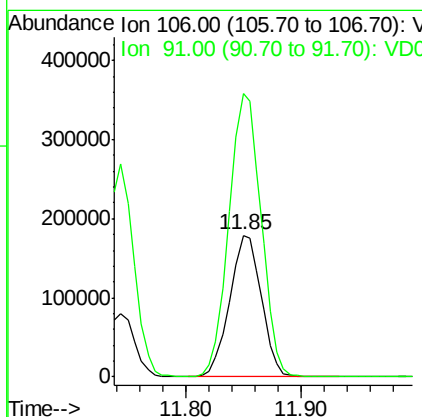
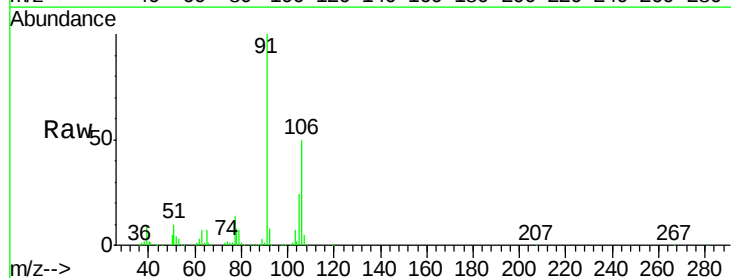
Manual Integrations
APPROVED

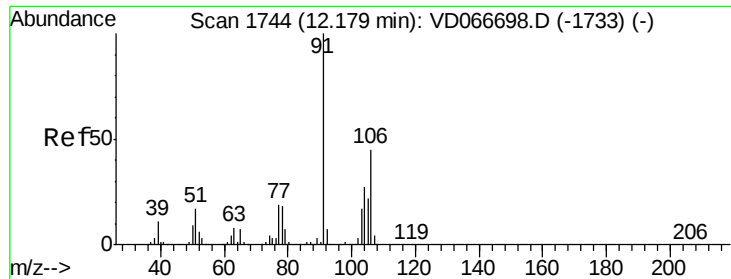
MMDadoda
9/16/2020 11:44:27 AM



#68
m/p-Xylenes
Concen: 38.883 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VD066703.D
Acq: 15 Sep 2020 18:26

Tgt Ion: 106 Resp: 339923
Ion Ratio Lower Upper
106 100
91 203.4 164.8 247.2





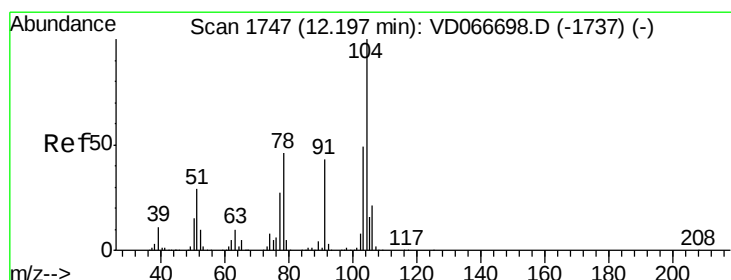
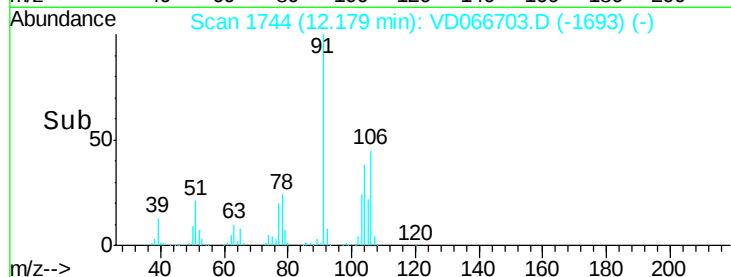
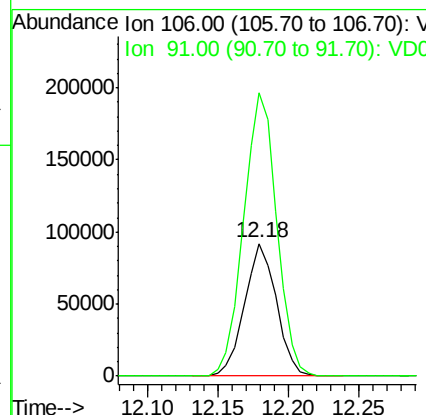
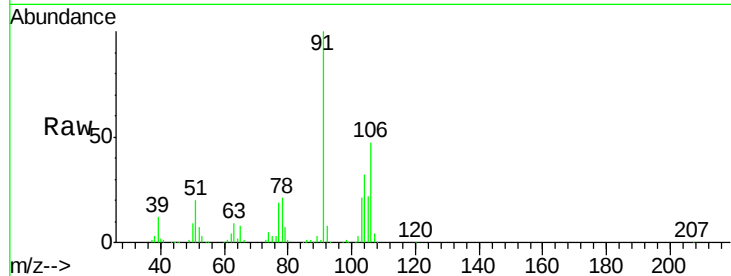
#69
o-Xylene
Concen: 18.890 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066703.D
Acq: 15 Sep 2020 18:26

Instrument :
MSVOA_D
ClientSampleId :
VD0915SBS01

Tot Ion:106 Resp: 145936
Ion Ratio Lower Upper
106 100
91 220.8 109.4 328.2

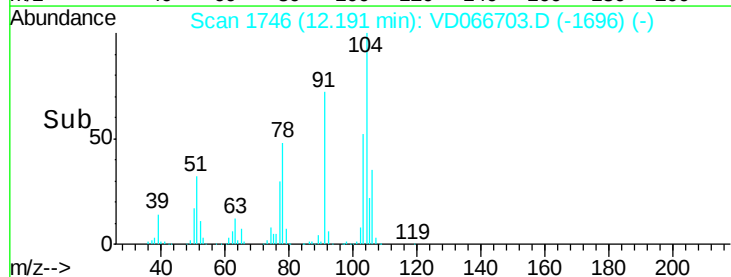
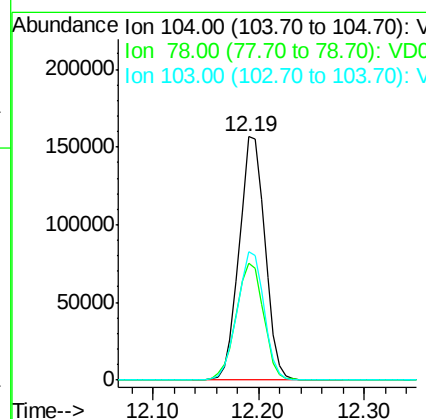
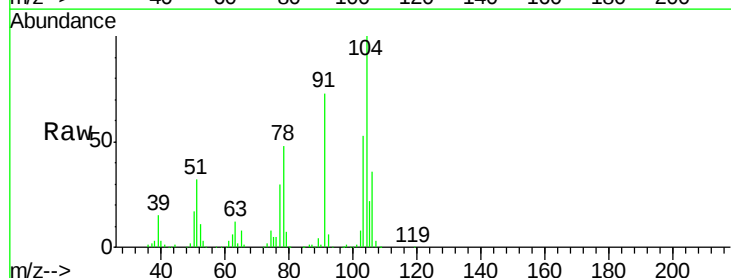
Manual Integrations
APPROVED

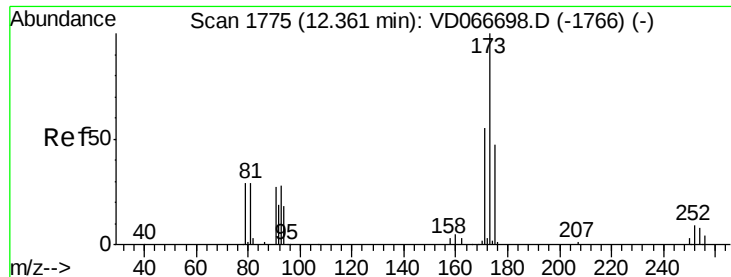
MMDadoda
9/16/2020 11:44:27 AM



#70
Styrene
Concen: 19.406 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066703.D
Acq: 15 Sep 2020 18:26

Tgt Ion:104 Resp: 263870
Ion Ratio Lower Upper
104 100
78 51.4 40.2 60.4
103 54.7 42.5 63.7





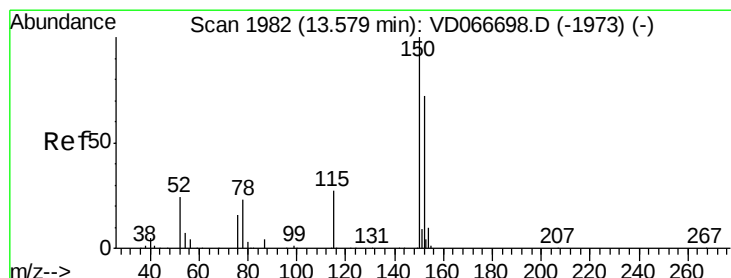
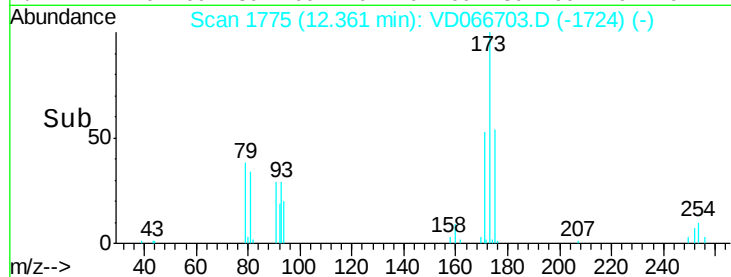
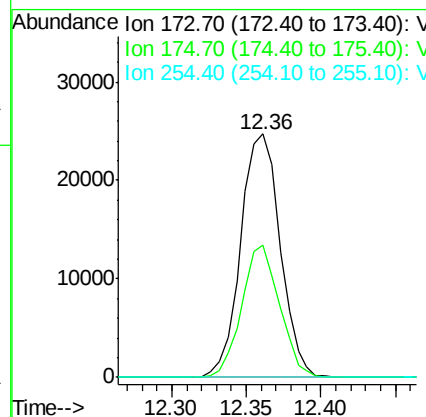
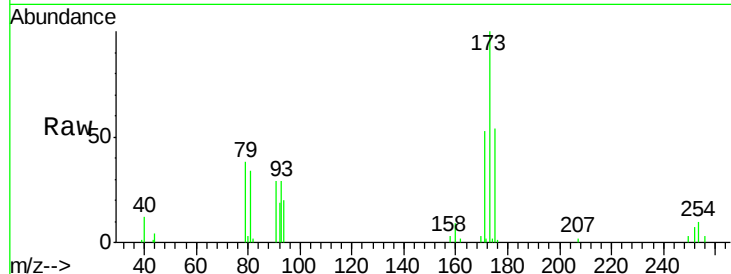
#71
Bromoform
Concen: 19.175 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD066703.D
Acq: 15 Sep 2020 18:26

Instrument :
MSVOA_D
ClientSampleId :
VD0915SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.9	24.3	72.8
254	0.0	0.1	0.1#

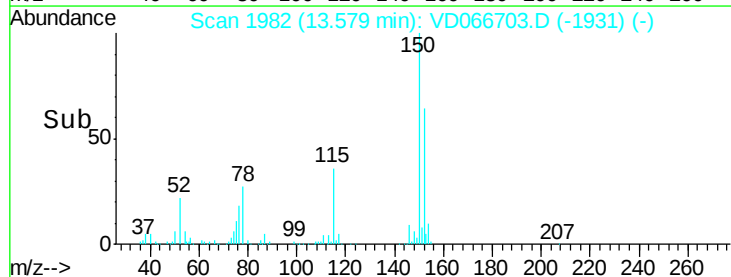
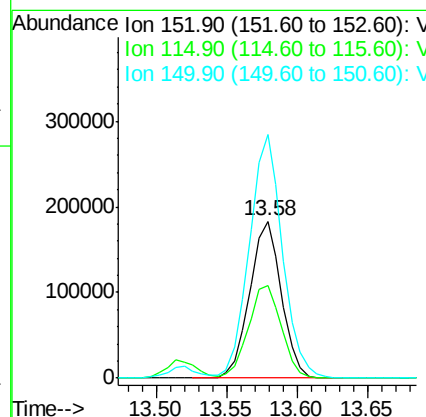
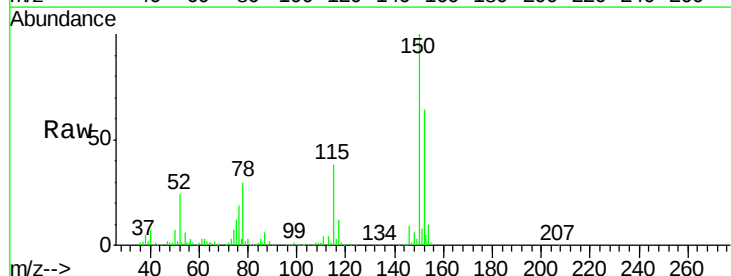
Manual Integrations
APPROVED

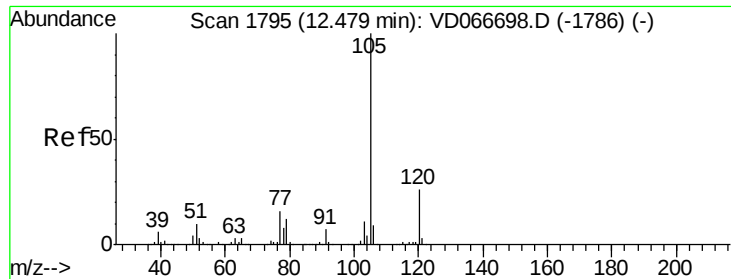
MMDadoda
9/16/2020 11:44:27 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066703.D
Acq: 15 Sep 2020 18:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.8	30.5	91.5
150	162.7	0.0	344.6





#73

Isopropylbenzene

Concen: 18.850 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066703.D

Acq: 15 Sep 2020 18:26

Instrument :

MSVOA_D

ClientSampleId :

VD0915SBS01

Tot Ion:105 Resp: 405537

Ion Ratio Lower Upper

105 100

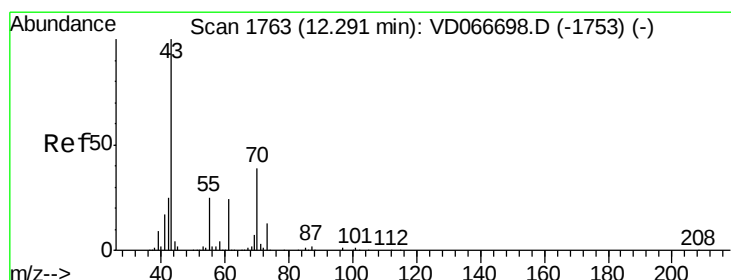
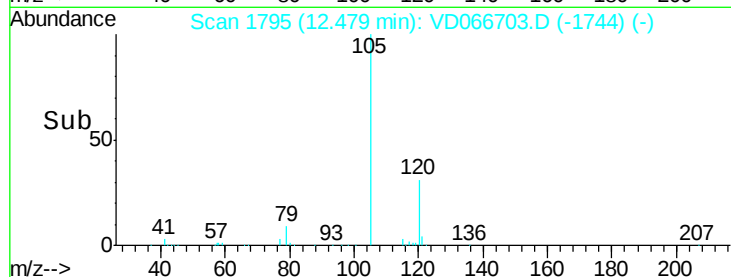
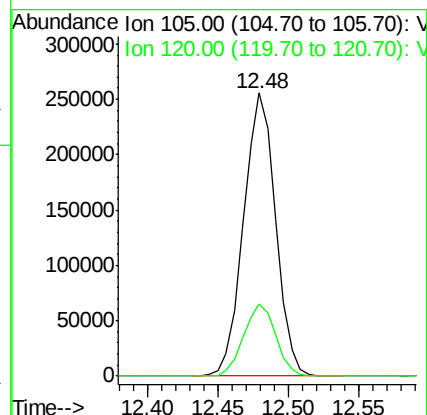
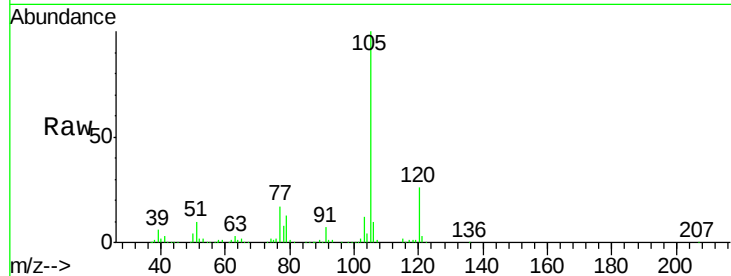
120 25.7 13.1 39.1

Manual Integrations

APPROVED

MMDadoda

9/16/2020 11:44:27 AM



#74

N-ethyl acetate

Concen: 18.840 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066703.D

Acq: 15 Sep 2020 18:26

Tgt Ion: 43 Resp: 85501

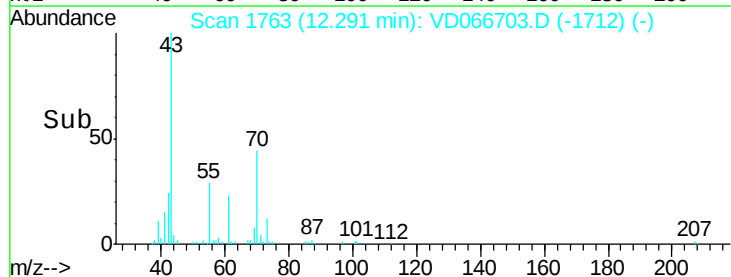
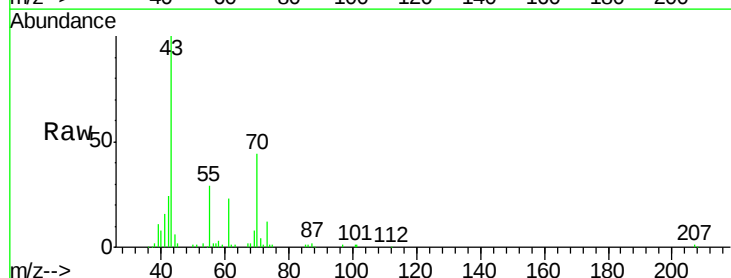
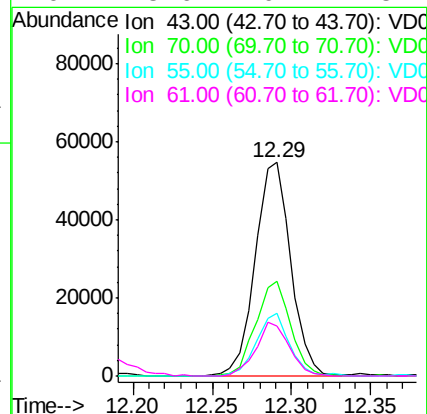
Ion Ratio Lower Upper

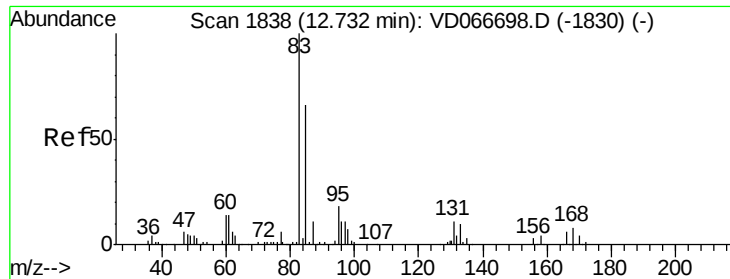
43 100

70 43.4 33.0 49.4

55 27.7 20.6 30.8

61 23.6 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.420 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066703.D

Acq: 15 Sep 2020 18:26

Instrument :

MSVOA_D

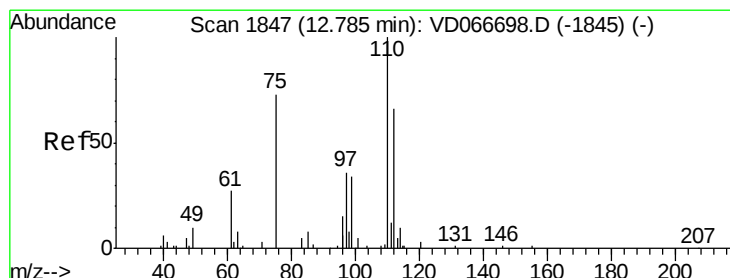
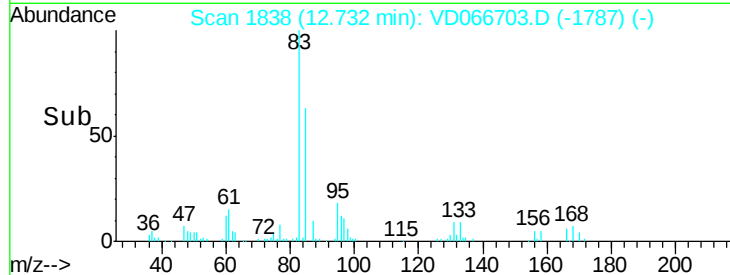
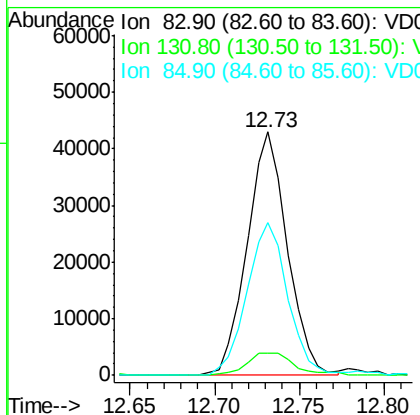
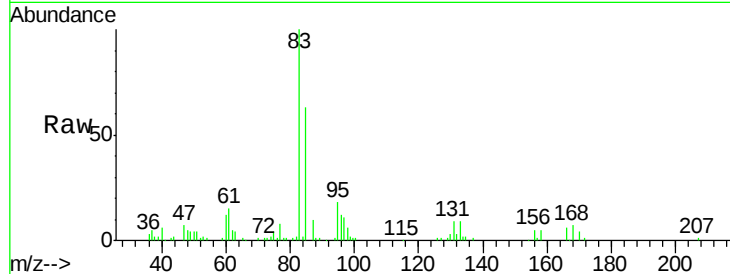
ClientSampleId :

VD0915SBS01

Tot Ion:	83	Resp:	70993
Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.8	17.3
85	63.6	33.3	99.8

Manual Integrations
APPROVED

MMDadoda
9/16/2020 11:44:27 AM



#76

1,2,3-Trichloropropane

Concen: 22.215 ug/l m

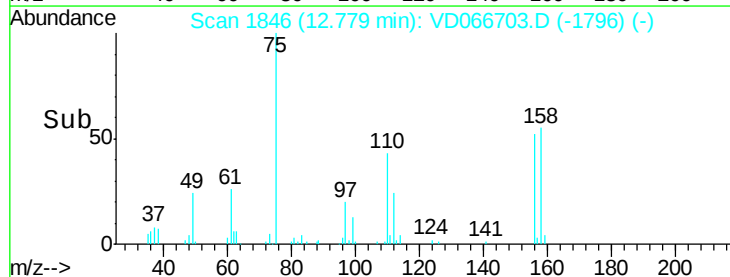
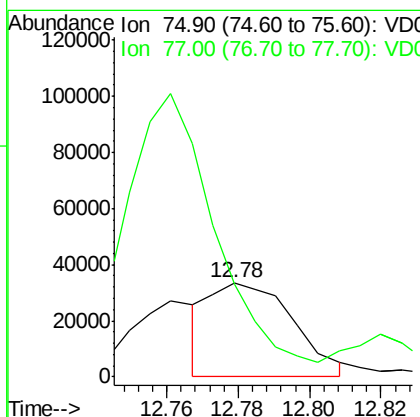
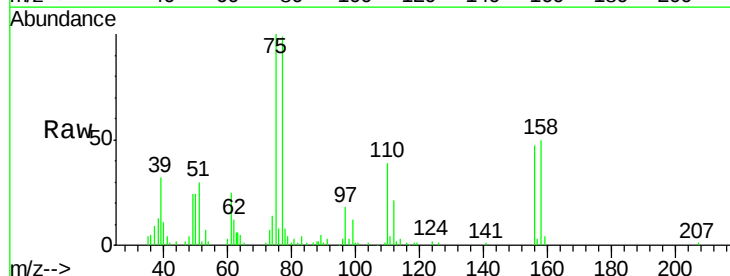
RT: 12.78 min Scan# 1846

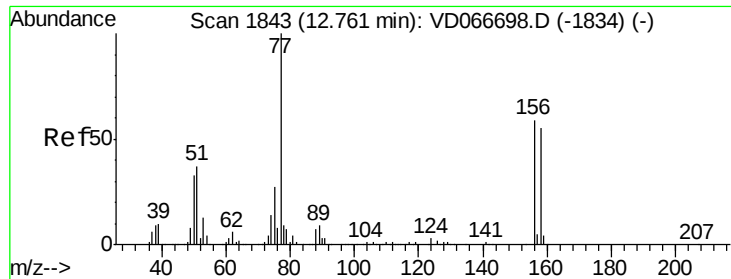
Delta R.T. -0.01 min

Lab File: VD066703.D

Acq: 15 Sep 2020 18:26

Tgt Ion:	75	Resp:	54800
Ion	Ratio	Lower	Upper
75	100		
77	335.2	0.0	0.0#





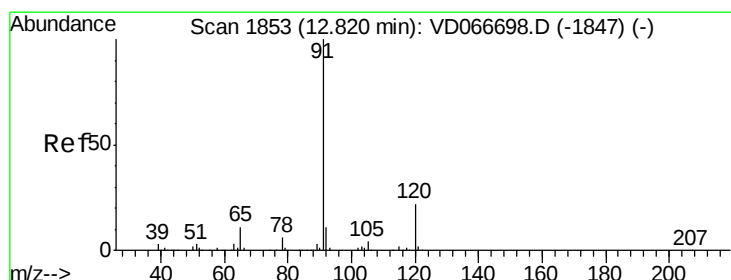
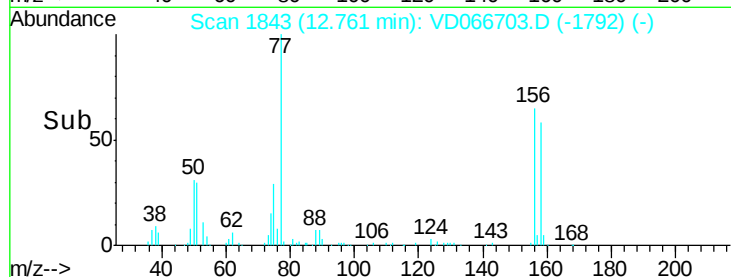
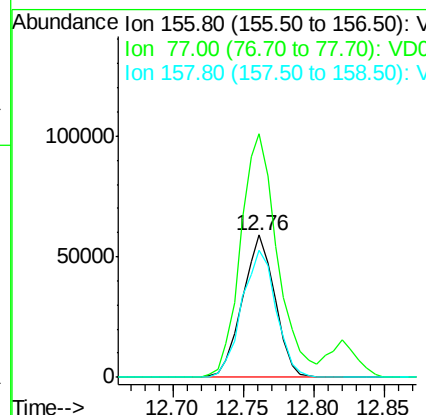
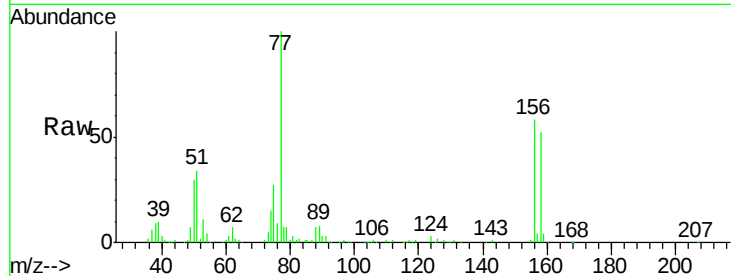
#77
Bromobenzene
Concen: 19.238 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VD066703.D
Acq: 15 Sep 2020 18:26

Instrument :
MSVOA_D
ClientSampleId :
VD0915SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	192.6	95.8	287.3
158	93.7	48.4	145.0

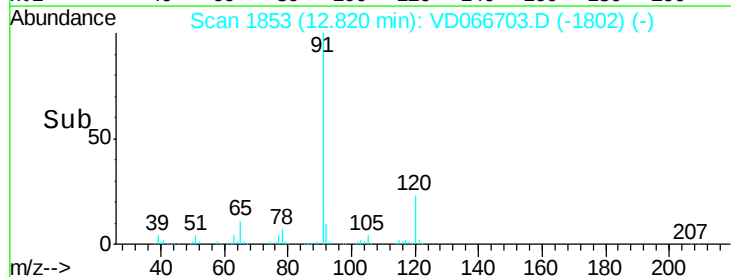
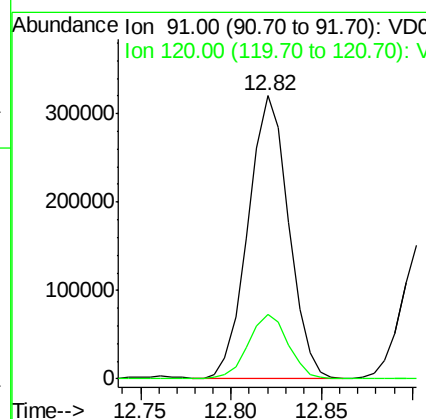
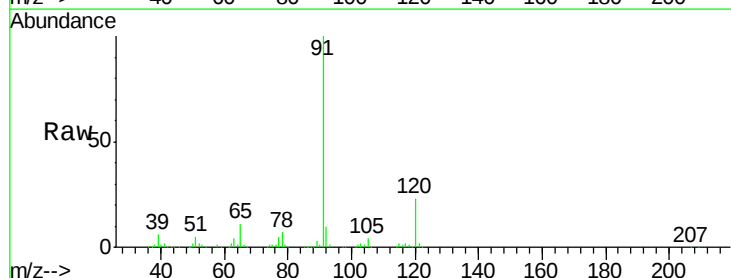
Manual Integrations
APPROVED

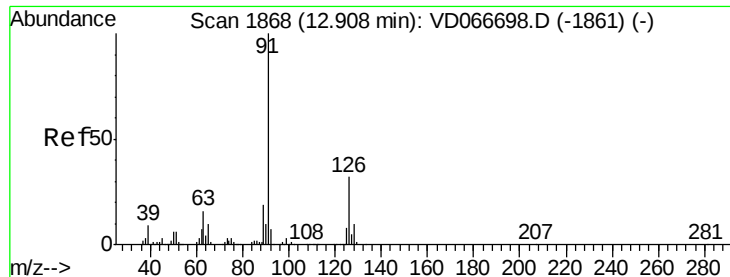
MMDadoda
9/16/2020 11:44:27 AM



#78
n-propylbenzene
Concen: 18.980 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VD066703.D
Acq: 15 Sep 2020 18:26

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	10.9	32.9





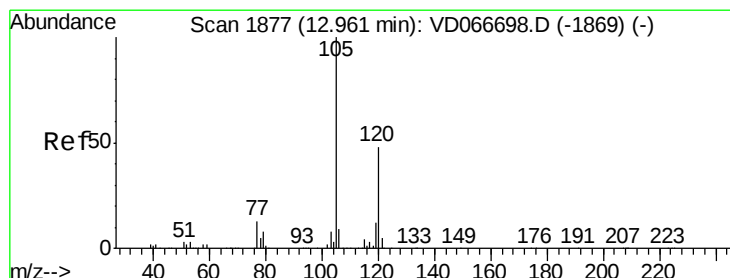
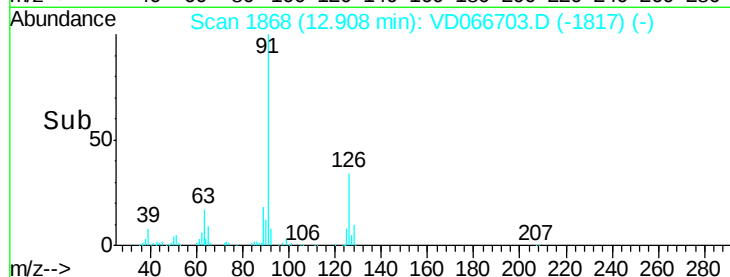
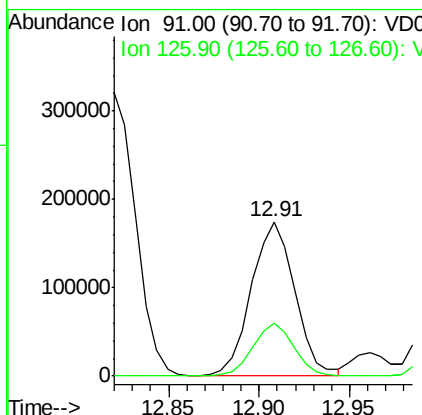
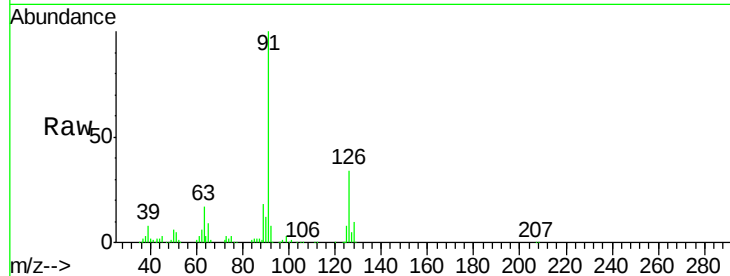
#79
 2-Chlorotoluene
 Concen: 19.606 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VD066703.D
 Acq: 15 Sep 2020 18:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0915SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.2	48.6

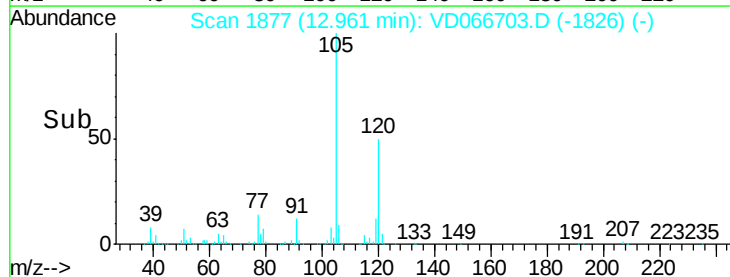
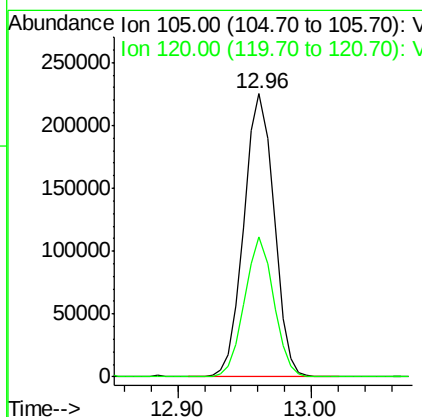
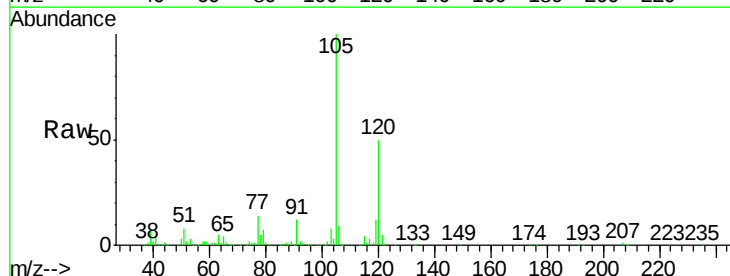
Manual Integrations
 APPROVED

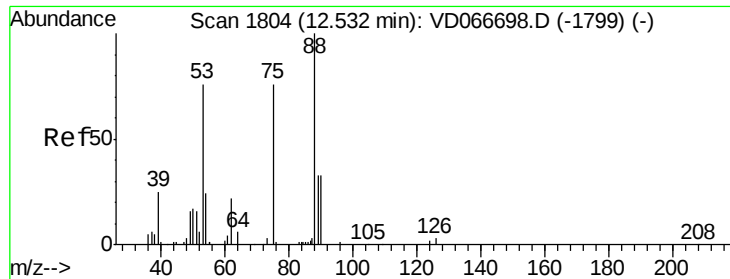
MMDadoda
 9/16/2020 11:44:27 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.270 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VD066703.D
 Acq: 15 Sep 2020 18:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.9	71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 18.145 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066703.D

Acq: 15 Sep 2020 18:26

Instrument :

MSVOA_D

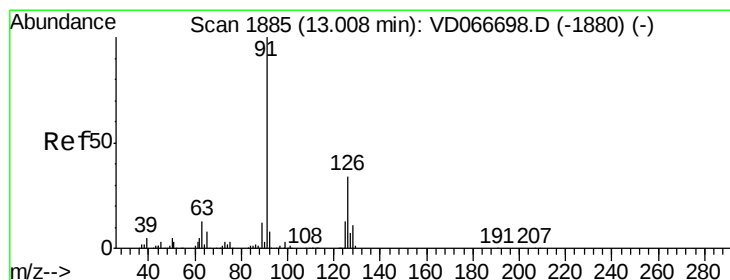
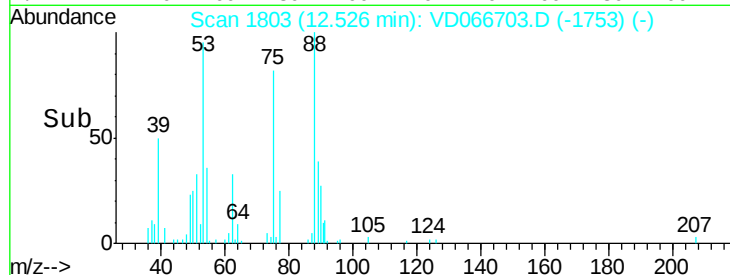
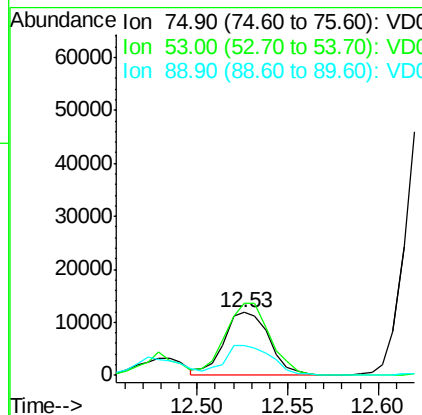
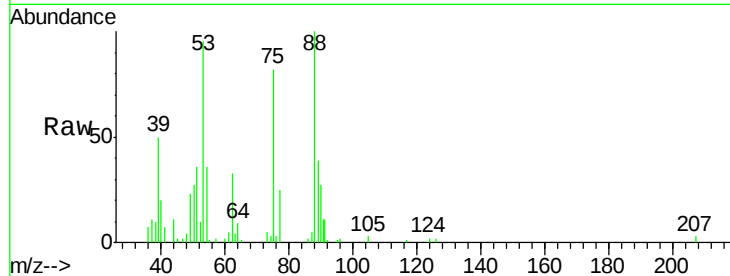
ClientSampleId :

VD0915SBS01

Tot Ion:	75	Resp:	20740
Ion	Ratio	Lower	Upper
75	100		
53	113.9	82.2	123.4
89	48.4	39.6	59.4

Manual Integrations
APPROVED

MMDadoda
9/16/2020 11:44:27 AM



#82

4-Chlorotoluene

Concen: 19.929 ug/l

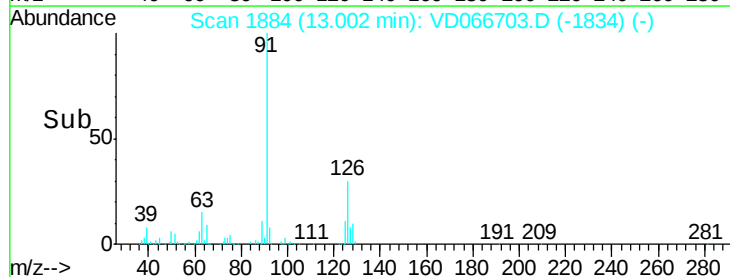
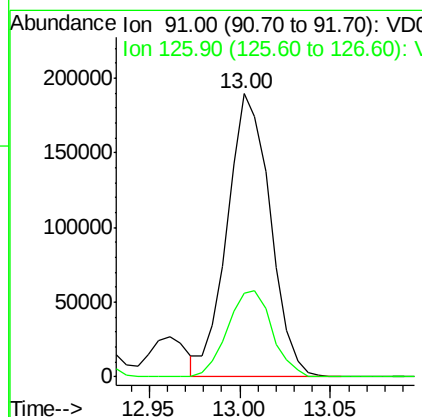
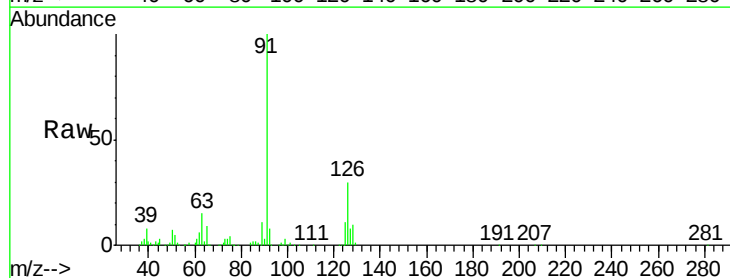
RT: 13.00 min Scan# 1884

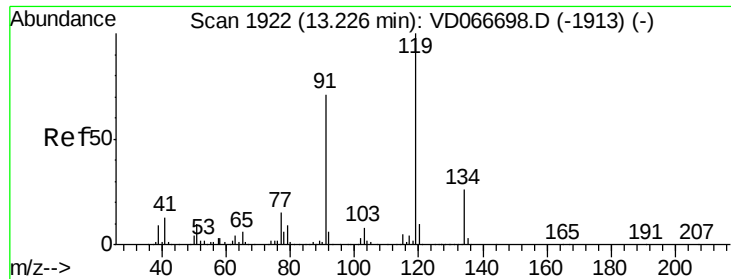
Delta R.T. -0.01 min

Lab File: VD066703.D

Acq: 15 Sep 2020 18:26

Tgt Ion:	91	Resp:	312493
Ion	Ratio	Lower	Upper
91	100		
126	31.6	16.8	50.4





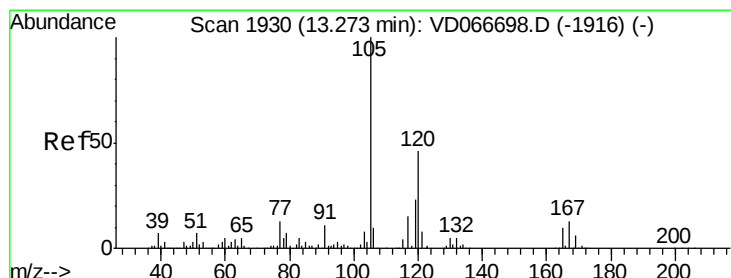
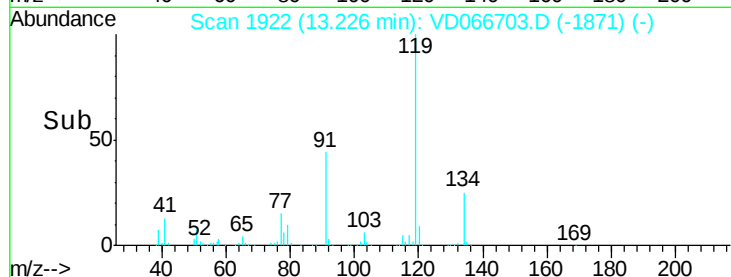
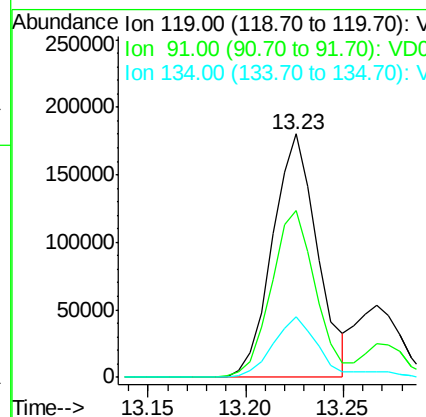
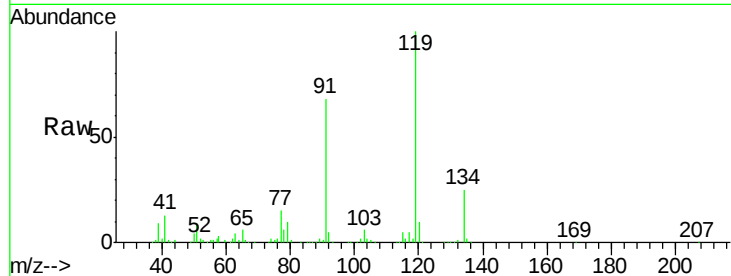
#83
tert-Butylbenzene
Concen: 19.101 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD066703.D
Acq: 15 Sep 2020 18:26

Instrument :
MSVOA_D
ClientSampleId :
VD0915SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	286371		
91	68.7	35.0	105.1	
134	26.5	13.6	40.8	

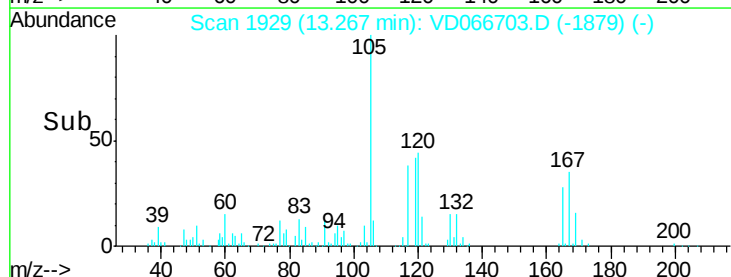
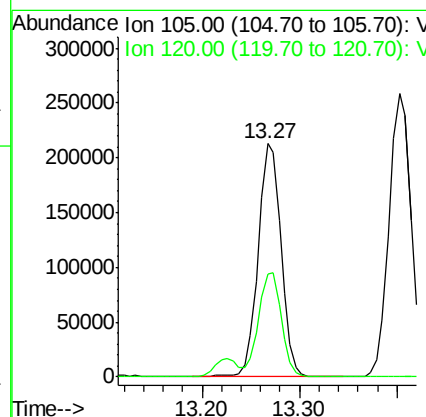
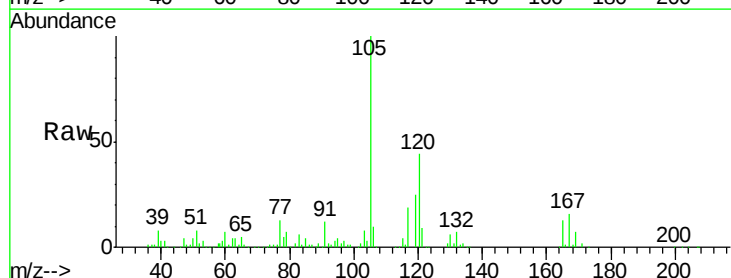
Manual Integrations
APPROVED

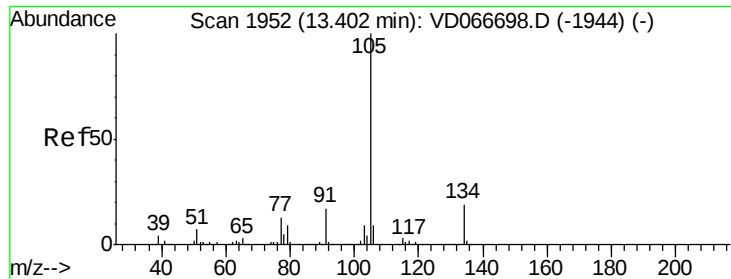
MMDadoda
9/16/2020 11:44:27 AM



#84
1,2,4-Trimethylbenzene
Concen: 19.199 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.01 min
Lab File: VD066703.D
Acq: 15 Sep 2020 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	349018		
120	45.4	22.4	67.2	





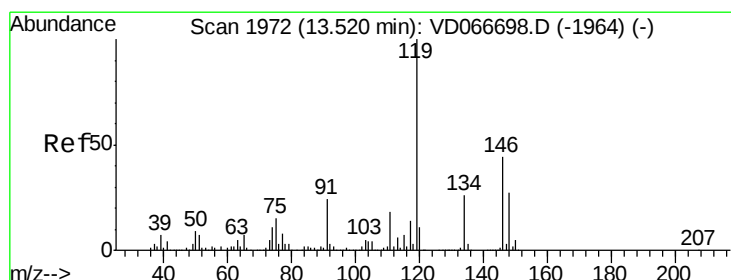
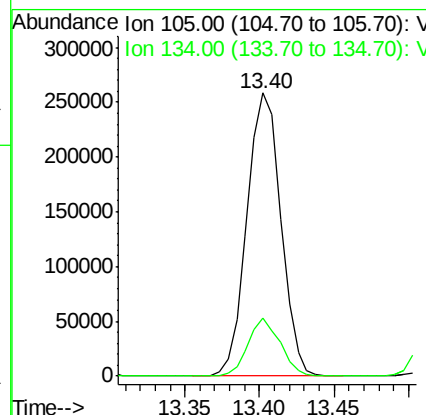
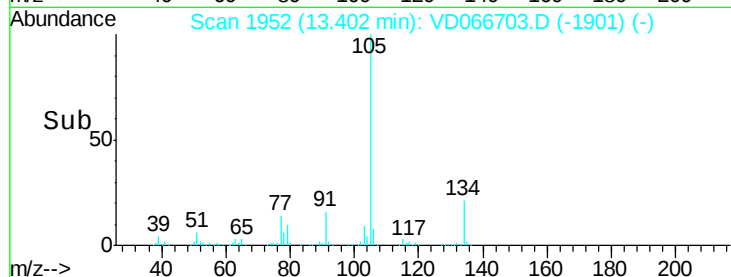
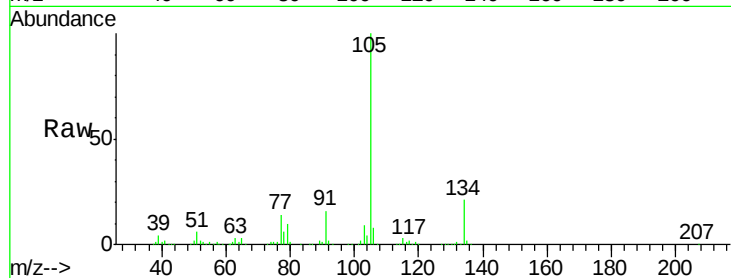
#85
 sec-Butylbenzene
 Concen: 18.915 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VD066703.D
 Acq: 15 Sep 2020 18:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0915SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	10.0	30.0

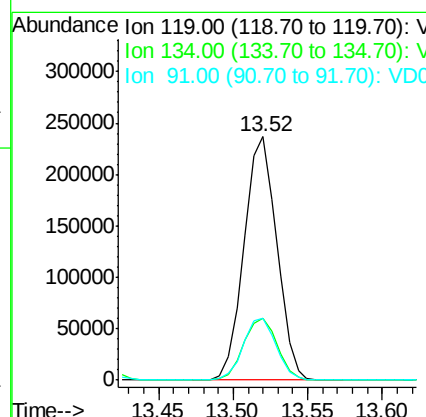
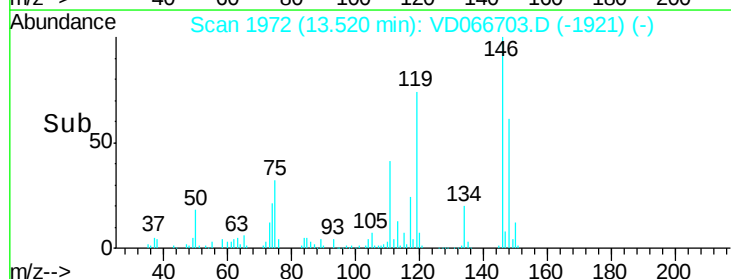
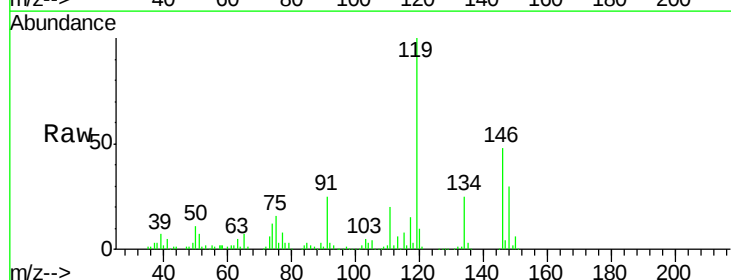
Manual Integrations
 APPROVED

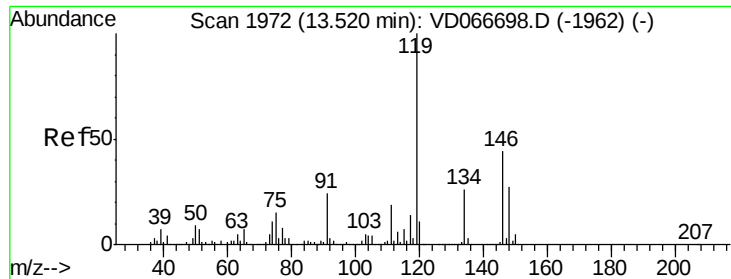
MMDadoda
 9/16/2020 11:44:27 AM



#86
 p-Isopropyltoluene
 Concen: 18.397 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066703.D
 Acq: 15 Sep 2020 18:26

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	12.9	38.7
91	25.2	12.3	36.9





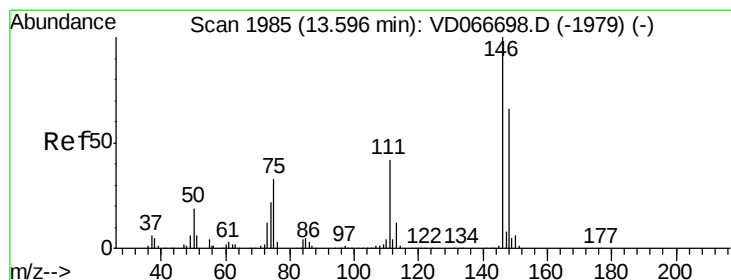
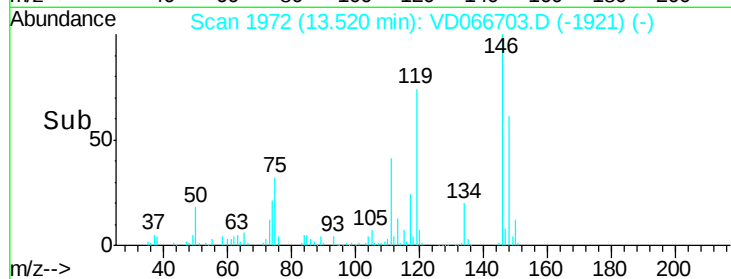
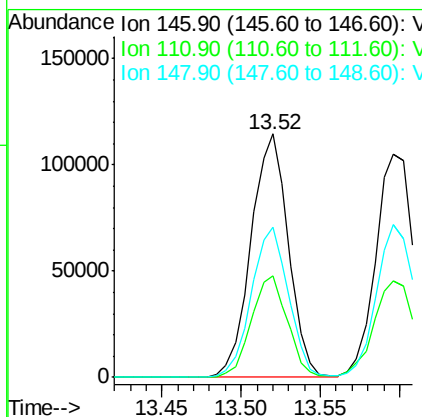
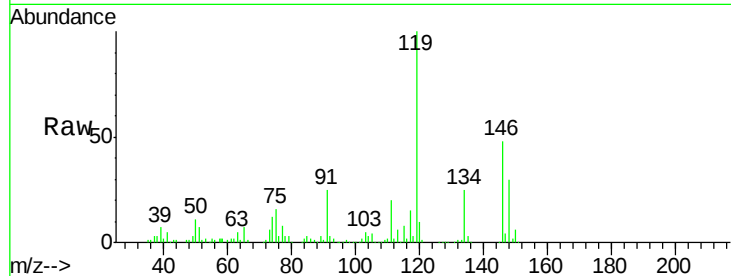
#87
 1,3-Dichlorobenzene
 Concen: 19.720 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066703.D
 Acq: 15 Sep 2020 18:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0915SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	187596		
111	40.4	21.1	63.3	
148	61.5	31.4	94.2	

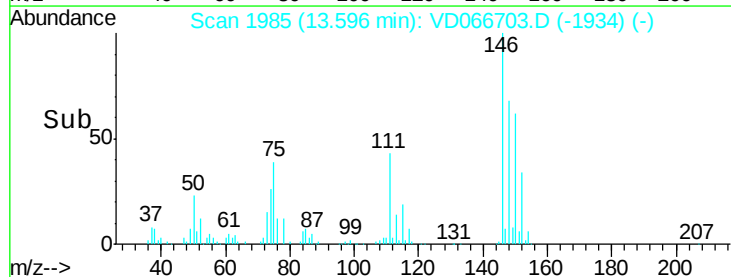
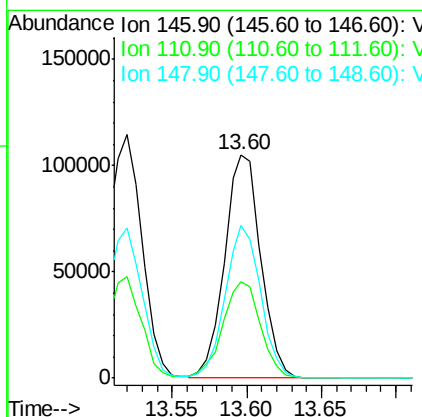
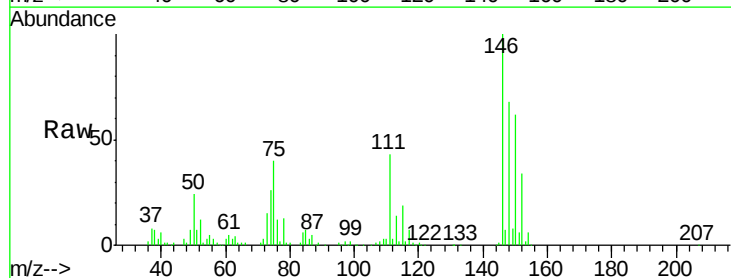
Manual Integrations
 APPROVED

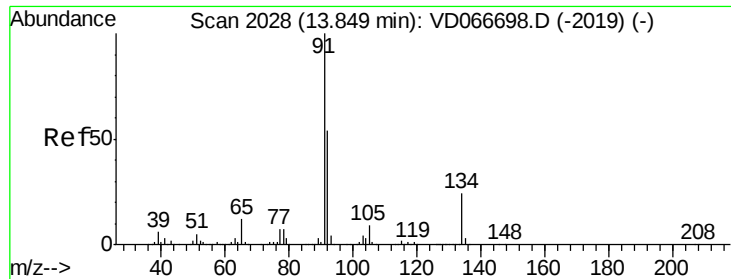
MMDadoda
 9/16/2020 11:44:27 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.843 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD066703.D
 Acq: 15 Sep 2020 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	178501		
111	45.1	20.5	61.6	
148	66.7	32.7	98.1	





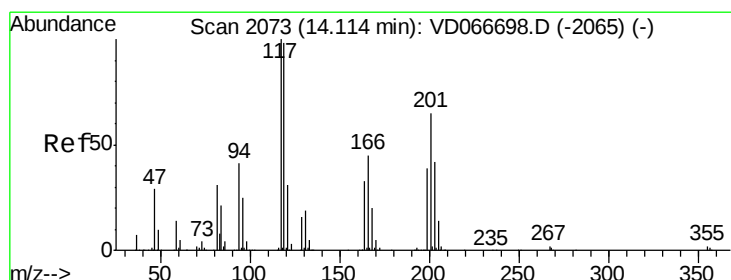
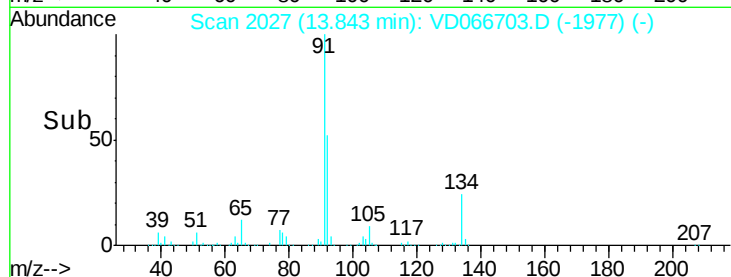
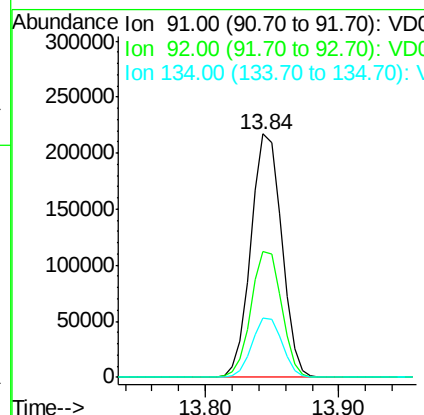
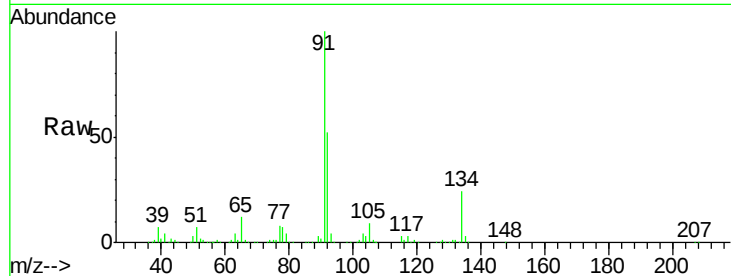
#89
n-Butylbenzene
Concen: 18.534 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066703.D
Acq: 15 Sep 2020 18:26

Instrument :
MSVOA_D
ClientSampleId :
VD0915SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	344388		
92	51.4	27.0	81.0	
134	23.9	12.4	37.0	

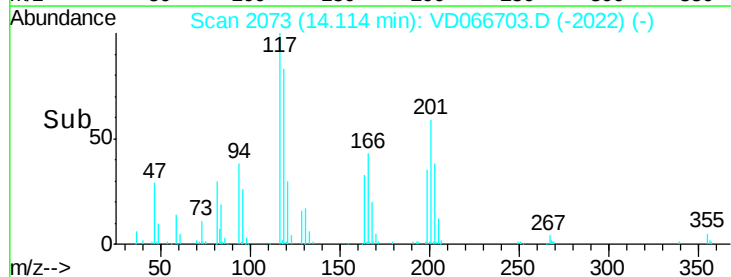
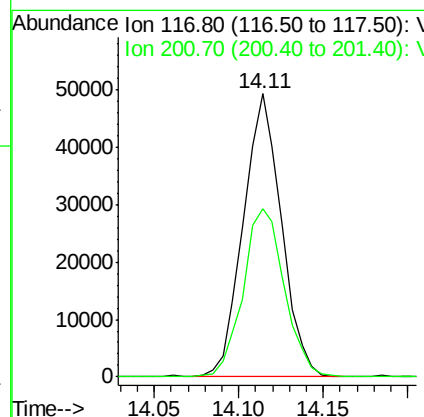
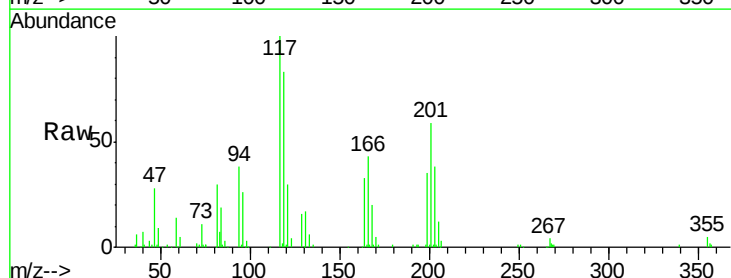
Manual Integrations
APPROVED

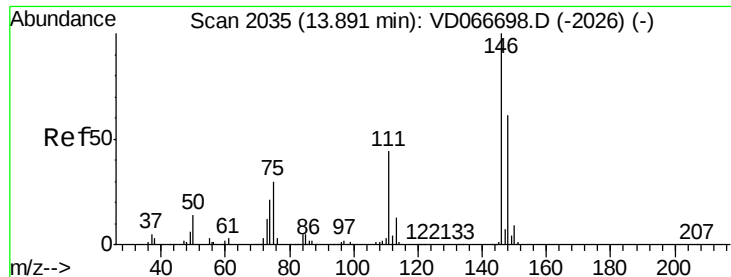
MMDadoda
9/16/2020 11:44:27 AM



#90
Hexachloroethane
Concen: 19.315 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066703.D
Acq: 15 Sep 2020 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	77535		
201	64.2	33.1	99.3	





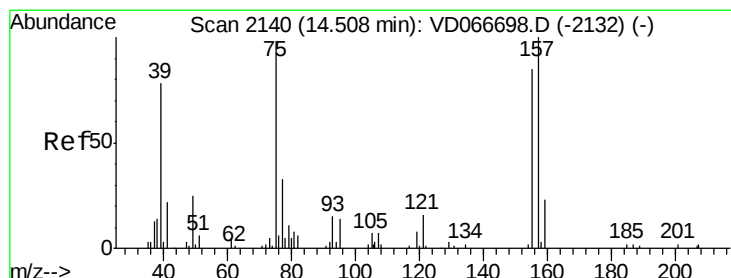
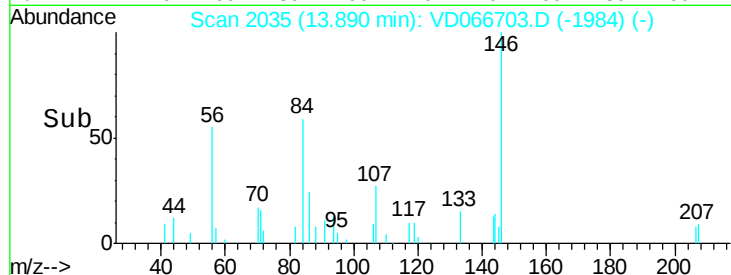
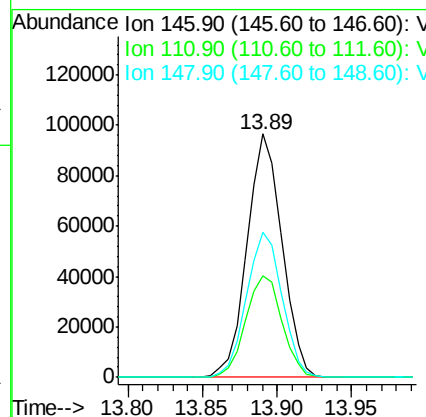
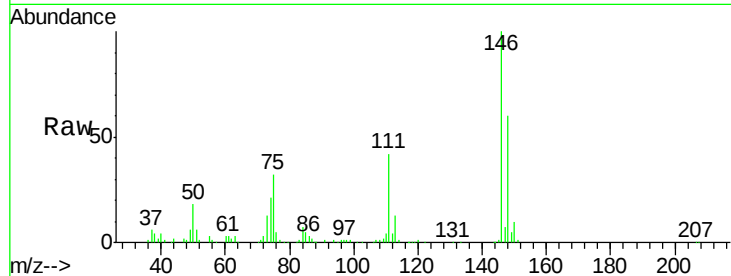
#91
 1,2-Dichlorobenzene
 Concen: 19.120 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD066703.D
 Acq: 15 Sep 2020 18:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0915SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.6	64.6
148	61.2	31.4	94.3

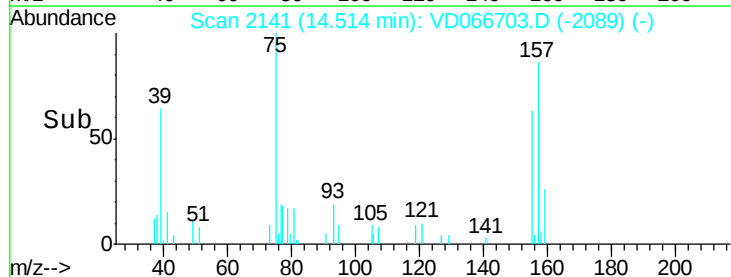
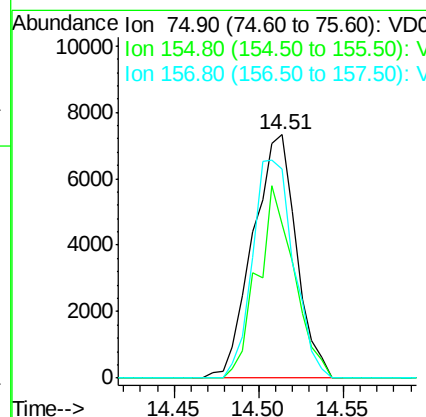
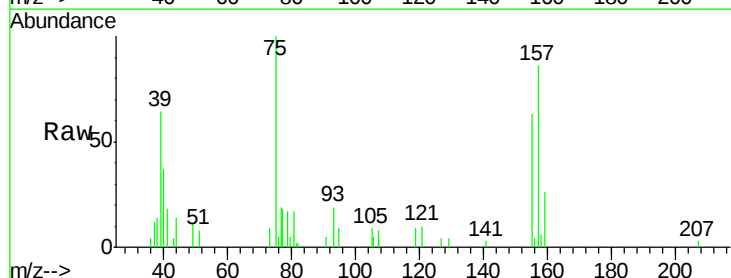
Manual Integrations
 APPROVED

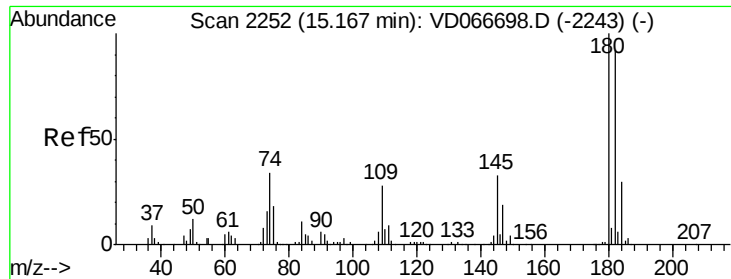
MMDadoda
 9/16/2020 11:44:27 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.156 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD066703.D
 Acq: 15 Sep 2020 18:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	66.3	38.9	116.7
157	84.9	46.4	139.2





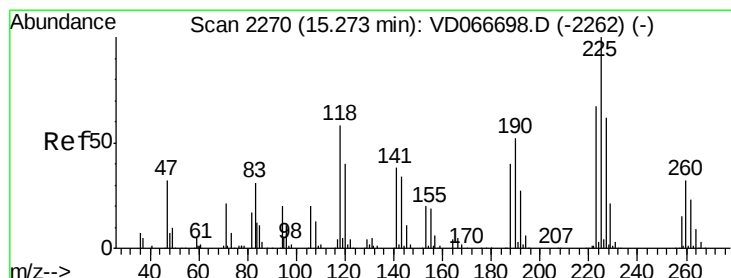
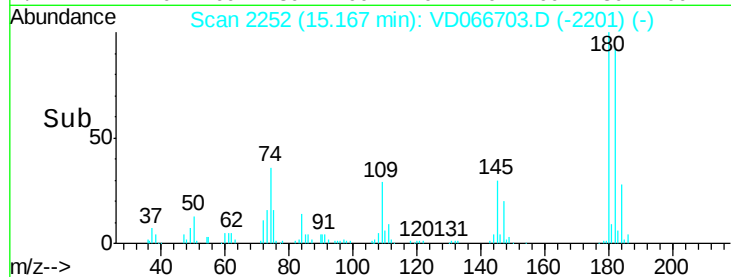
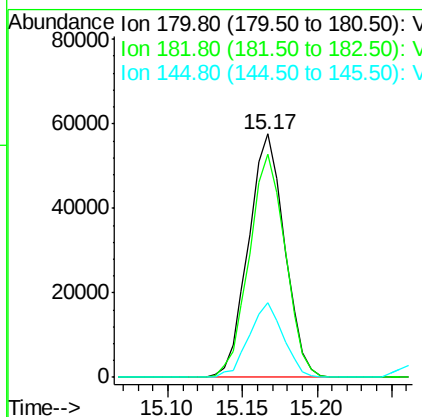
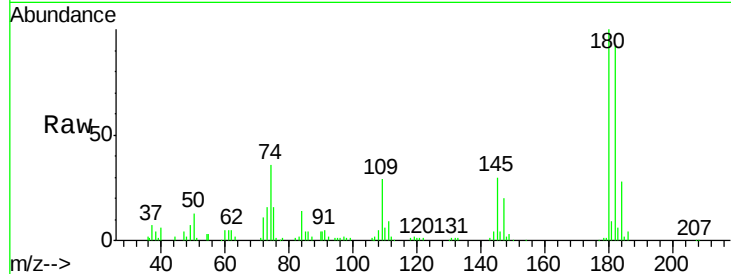
#93
 1,2,4-Trichlorobenzene
 Concen: 19.578 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066703.D
 Acq: 15 Sep 2020 18:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0915SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	96521		
182	91.8	46.6	139.7	
145	29.0	16.5	49.5	

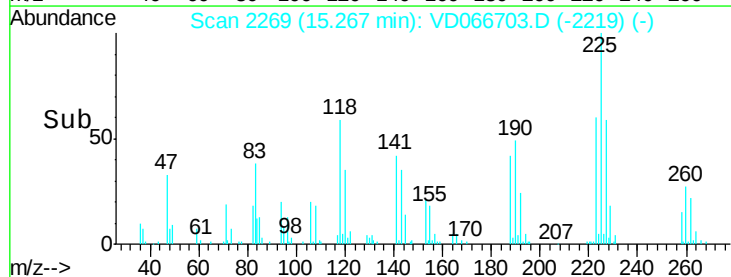
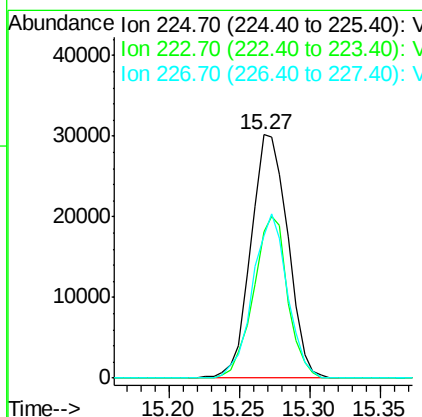
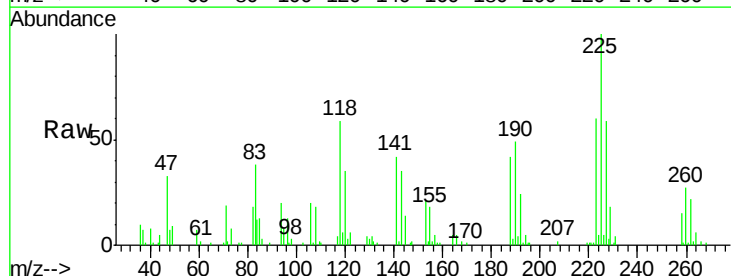
Manual Integrations
 APPROVED

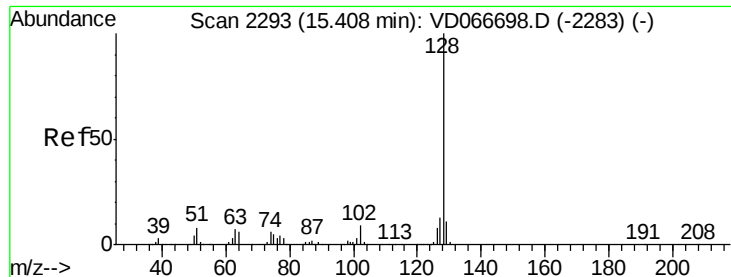
MMDadoda
 9/16/2020 11:44:27 AM



#94
 Hexachlorobutadiene
 Concen: 18.637 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: VD066703.D
 Acq: 15 Sep 2020 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	55360		
223	61.3	31.9	95.9	
227	63.3	31.3	93.9	





#95

Naphthalene

Concen: 18.290 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD066703.D

Acq: 15 Sep 2020 18:26

Instrument :

MSVOA_D

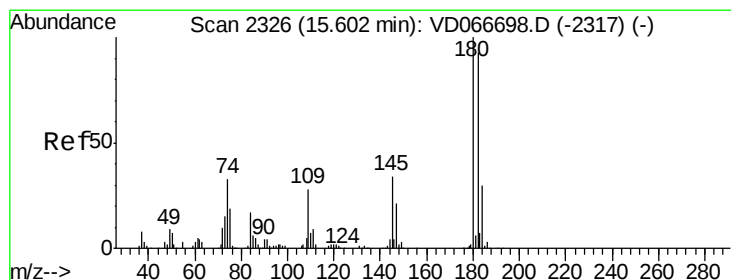
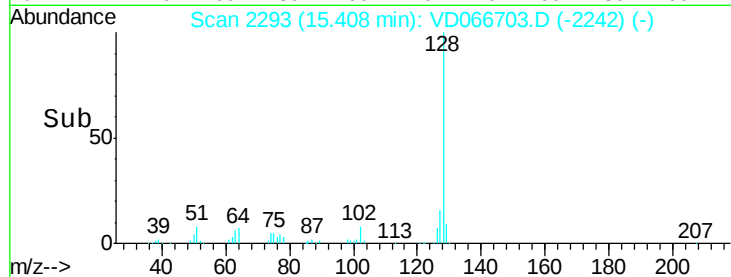
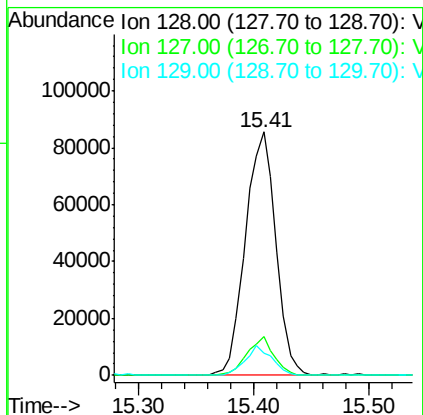
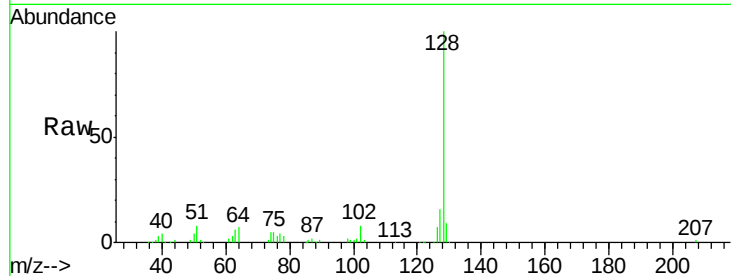
ClientSampleId :

VD0915SBS01

Tot Ion:	128	Resp:	157550
Ion Ratio	Lower	Upper	
128	100		
127	13.9	10.5	15.7
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/16/2020 11:44:27 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.421 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD066703.D

Acq: 15 Sep 2020 18:26

Tgt Ion:	180	Resp:	79325
Ion Ratio	Lower	Upper	
180	100		
182	97.1	46.6	139.8
145	33.1	17.1	51.3

