

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091520\
 Data File : VD066704.D
 Acq On : 15 Sep 2020 18:53
 Operator : VA/SY
 Sample : VD0915SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0915SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/16/2020 11:44:28 AM

Quant Time: Sep 16 01:57:47 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	399022	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	675193	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	620500	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	281336	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	221306	51.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.96%	
35) Dibromofluoromethane	7.91	113	210525	50.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.72%	
50) Toluene-d8	10.34	98	763585	51.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.54%	
62) 4-Bromofluorobenzene	12.63	95	254972	50.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.16%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	79157	24.372	ug/l	99
3) Chloromethane	2.21	50	95760	22.053	ug/l	96
4) Vinyl Chloride	2.35	62	96340	21.200	ug/l	96
5) Bromomethane	2.76	94	67737	21.012	ug/l	96
6) Chloroethane	2.91	64	58559	20.685	ug/l #	87
7) Trichlorofluoromethane	3.27	101	160958	20.506	ug/l	99
8) Diethyl Ether	3.71	74	41068	20.894	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	85947	19.924	ug/l	98
10) Methyl Iodide	4.30	142	79124	19.332	ug/l	98
11) Tert butyl alcohol	5.21	59	41450m	112.104	ug/l	
12) 1,1-Dichloroethene	4.06	96	83344	20.874	ug/l	93
13) Acrolein	3.92	56	31016	103.297	ug/l	93
14) Allyl chloride	4.71	41	130415	20.339	ug/l	98
15) Acrylonitrile	5.42	53	89204	103.602	ug/l	98
16) Acetone	4.16	43	77812	89.753	ug/l	96
17) Carbon Disulfide	4.40	76	267744	21.341	ug/l	100
18) Methyl Acetate	4.72	43	44392	21.968	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	187119	21.041	ug/l	100
20) Methylene Chloride	4.96	84	111512	19.426	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	96476	20.740	ug/l	94
22) Diisopropyl ether	6.36	45	277070	21.266	ug/l	99
23) Vinyl Acetate	6.30	43	758963	104.725	ug/l	99
24) 1,1-Dichloroethane	6.26	63	170508	20.623	ug/l	96
25) 2-Butanone	7.21	43	114522	101.445	ug/l	100
26) 2,2-Dichloropropane	7.20	77	145491	19.030	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	101431	19.932	ug/l	97
28) Bromochloromethane	7.54	49	72182	23.374	ug/l	96
29) Tetrahydrofuran	7.56	42	72223	104.565	ug/l	99
30) Chloroform	7.71	83	179411	20.390	ug/l	93
31) Cyclohexane	7.99	56	153757	20.446	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	167724	20.831	ug/l	99
36) 1,1-Dichloropropene	8.11	75	134151	19.325	ug/l	98
37) Ethyl Acetate	7.30	43	49396	18.796	ug/l #	80
38) Carbon Tetrachloride	8.09	117	144789	19.640	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091520\
 Data File : VD066704.D
 Acq On : 15 Sep 2020 18:53
 Operator : VA/SY
 Sample : VD0915SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0915SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/16/2020 11:44:28 AM

Quant Time: Sep 16 01:57:47 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	150385	18.939	ug/l	97
40) Benzene	8.34	78	378512	20.154	ug/l	99
41) Methacrylonitrile	7.53	41	28744	20.660	ug/l #	63
42) 1,2-Dichloroethane	8.42	62	119793	20.588	ug/l	99
43) Isopropyl Acetate	8.44	43	97164	19.643	ug/l	98
44) Trichloroethene	9.11	130	100200	19.954	ug/l	98
45) 1,2-Dichloropropane	9.38	63	96337	20.749	ug/l	95
46) Dibromomethane	9.47	93	49685	19.474	ug/l	95
47) Bromodichloromethane	9.66	83	141279	20.322	ug/l	99
48) Methyl methacrylate	9.45	41	48446	19.255	ug/l	92
49) 1,4-Dioxane	9.46	88	11496	420.643	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	256171	100.591	ug/l	99
52) Toluene	10.40	92	240309	19.974	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	124861	20.105	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	146495	19.859	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	69232	20.581	ug/l	98
56) Ethyl methacrylate	10.66	69	77125	20.204	ug/l	98
57) 1,3-Dichloropropane	10.94	76	119037	20.165	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	190244	113.475	ug/l	97
59) 2-Hexanone	10.98	43	170569	99.682	ug/l	99
60) Dibromochloromethane	11.14	129	91924	20.973	ug/l	99
61) 1,2-Dibromoethane	11.24	107	67007	20.766	ug/l	98
64) Tetrachloroethene	10.87	164	80935	19.108	ug/l	94
65) Chlorobenzene	11.67	112	253101	19.701	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	93076	19.636	ug/l	98
67) Ethyl Benzene	11.74	91	450317	19.352	ug/l	97
68) m/p-Xylenes	11.85	106	342471	38.940	ug/l	99
69) o-Xylene	12.18	106	153890	19.801	ug/l	97
70) Styrene	12.19	104	268495	19.628	ug/l	98
71) Bromoform	12.36	173	45608	19.172	ug/l #	99
73) Isopropylbenzene	12.48	105	423734	20.175	ug/l	100
74) N-amyl acetate	12.29	43	88304	19.932	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	75971	21.287	ug/l	93
76) 1,2,3-Trichloropropane	12.78	75	45151m	18.749	ug/l	
77) Bromobenzene	12.76	156	96469	19.929	ug/l	99
78) n-propylbenzene	12.82	91	518571	20.255	ug/l	100
79) 2-Chlorotoluene	12.91	91	294152	20.319	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	361615	20.363	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	22284	19.971	ug/l	96
82) 4-Chlorotoluene	13.00	91	319056	20.843	ug/l	98
83) tert-Butylbenzene	13.23	119	293270	20.037	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	361889	20.392	ug/l	100
85) sec-Butylbenzene	13.40	105	422438	20.132	ug/l	99
86) p-Isopropyltoluene	13.52	119	379340	19.885	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	186161	20.045	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	185411	20.049	ug/l	99
89) n-Butylbenzene	13.85	91	356599	19.659	ug/l	98
90) Hexachloroethane	14.11	117	78588	20.054	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	163731	20.575	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12607	21.853	ug/l	93

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091520\
Data File : VD066704.D
Acq On : 15 Sep 2020 18:53
Operator : VA/SY
Sample : VD0915SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0915SBSD01

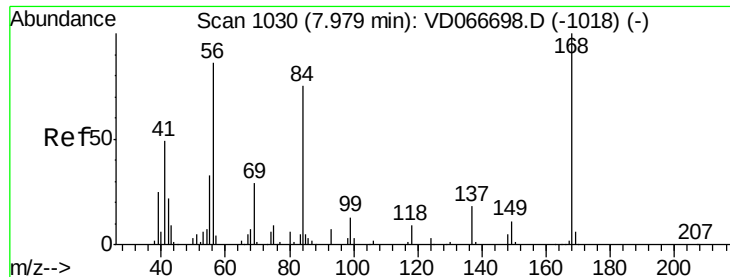
Manual Integrations
APPROVED

MMDadoda
9/16/2020 11:44:28 AM

Quant Time: Sep 16 01:57:47 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	98689	20.505	ug/l	99
94) Hexachlorobutadiene	15.27	225	55398	19.104	ug/l	98
95) Naphthalene	15.41	128	166986	19.858	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	82813	19.699	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066704.D

Acq: 15 Sep 2020 18:53

Instrument :

MSVOA_D

ClientSampleId :

VD0915SBS01

Tot Ion:168 Resp: 399022

Ion Ratio Lower Upper

168 100

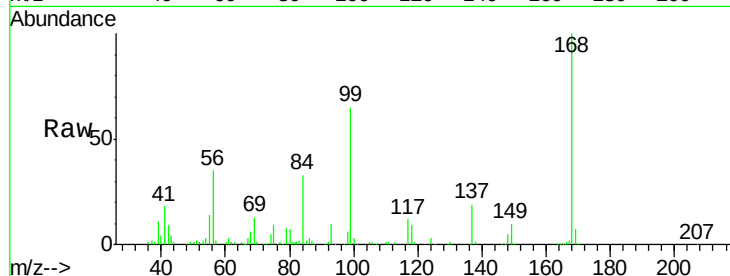
99 65.1 54.4 81.6

Manual Integrations

APPROVED

MMDadoda

9/16/2020 11:44:28 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

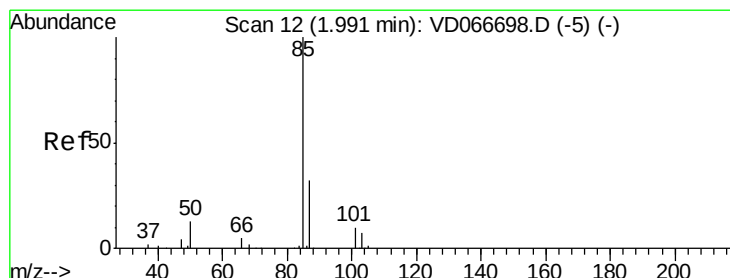
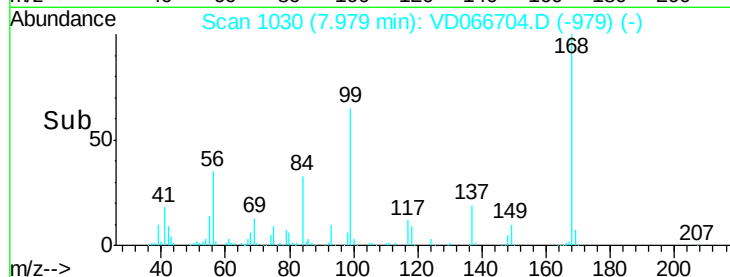
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 24.372 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD066704.D

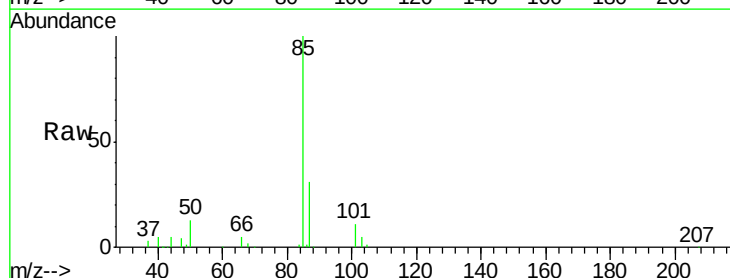
Acq: 15 Sep 2020 18:53

Tgt Ion: 85 Resp: 79157

Ion Ratio Lower Upper

85 100

87 31.4 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

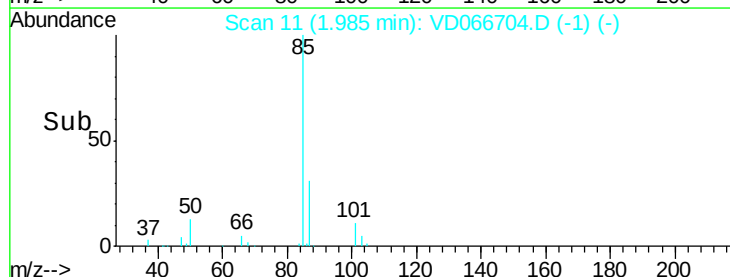
40000

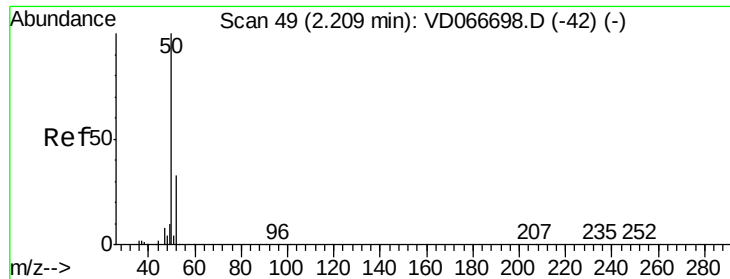
20000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 22.053 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066704.D

Acq: 15 Sep 2020 18:53

Instrument :

MSVOA_D

ClientSampleId :

VD0915SBS01

Tot Ion: 50 Resp: 95760

Ion Ratio Lower Upper

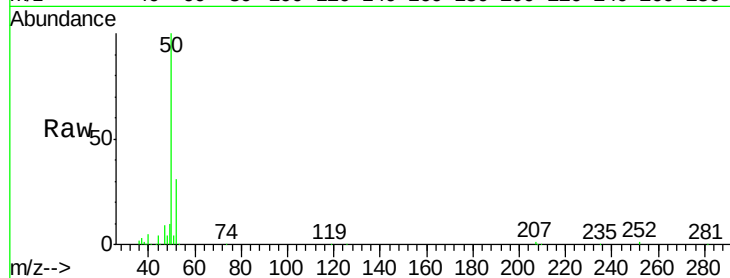
50 100

52 31.2 26.8 40.2

Manual Integrations
APPROVED

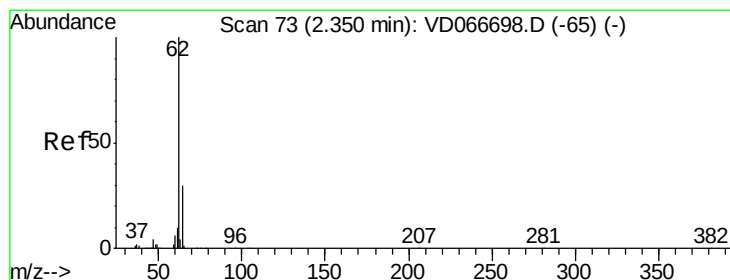
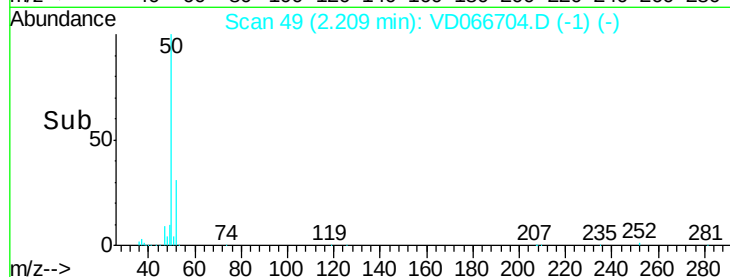
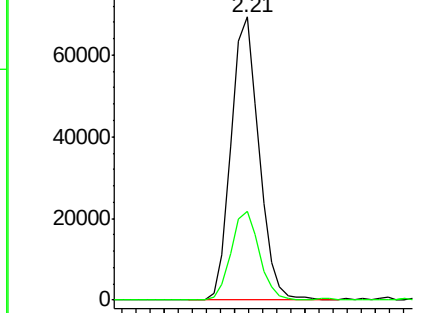
MMDadoda

9/16/2020 11:44:28 AM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.200 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066704.D

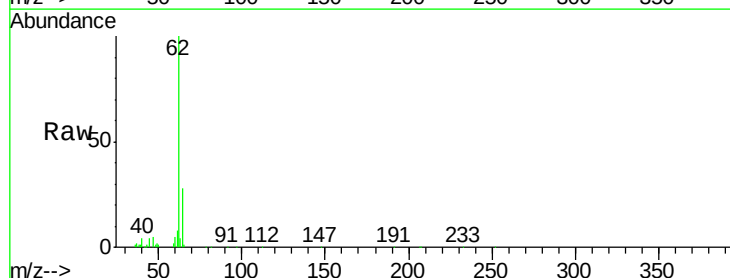
Acq: 15 Sep 2020 18:53

Tgt Ion: 62 Resp: 96340

Ion Ratio Lower Upper

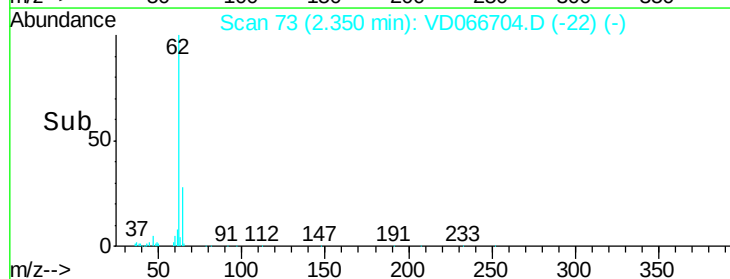
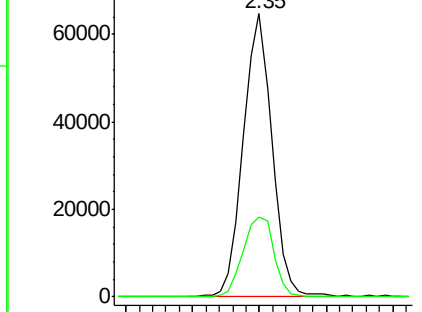
62 100

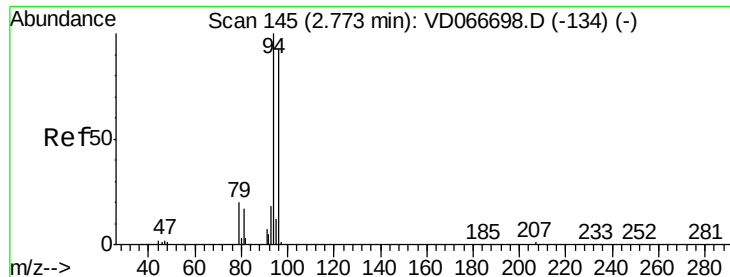
64 28.3 24.4 36.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.012 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD066704.D

Acq: 15 Sep 2020 18:53

Instrument :

MSVOA_D

ClientSampleId :

VD0915SBS01

Tot Ion: 94 Resp: 67737

Ion Ratio Lower Upper

94 100

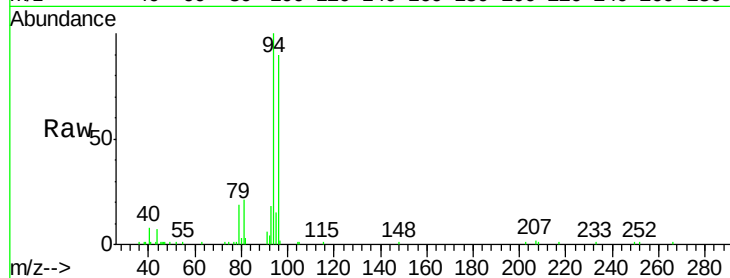
96 89.2 74.7 112.1

Manual Integrations

APPROVED

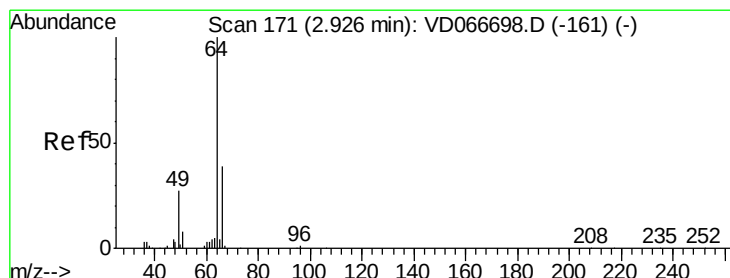
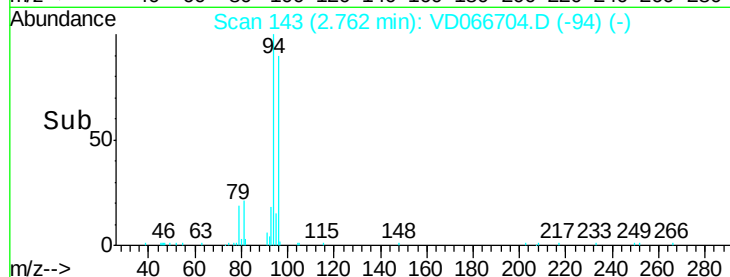
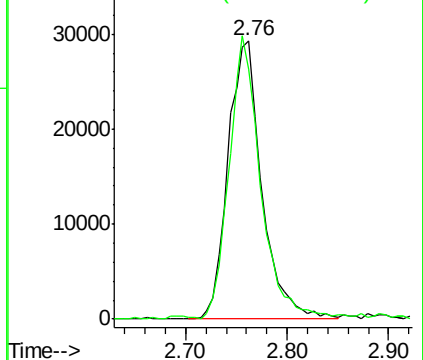
MMDadoda

9/16/2020 11:44:28 AM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.685 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD066704.D

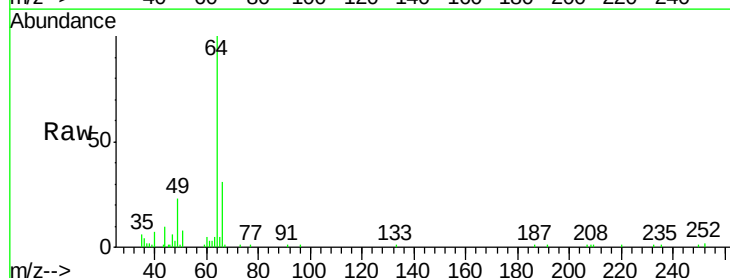
Acq: 15 Sep 2020 18:53

Tgt Ion: 64 Resp: 58559

Ion Ratio Lower Upper

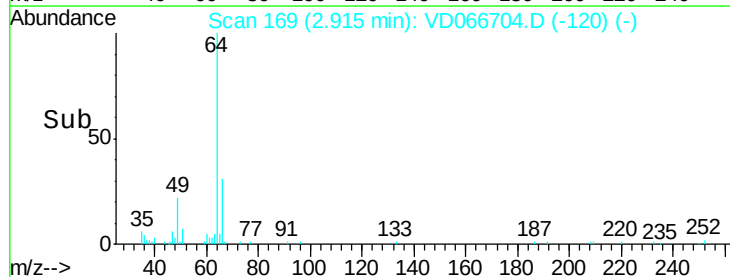
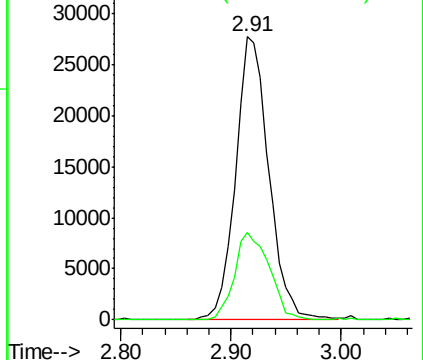
64 100

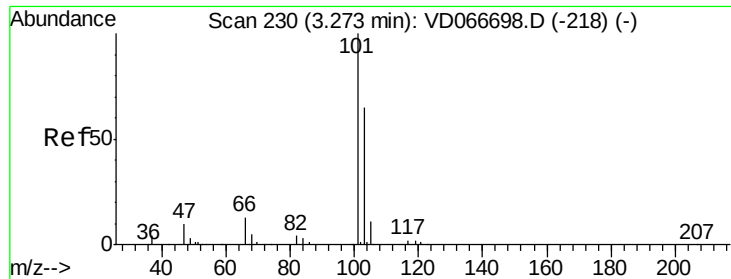
66 30.8 30.9 46.3#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

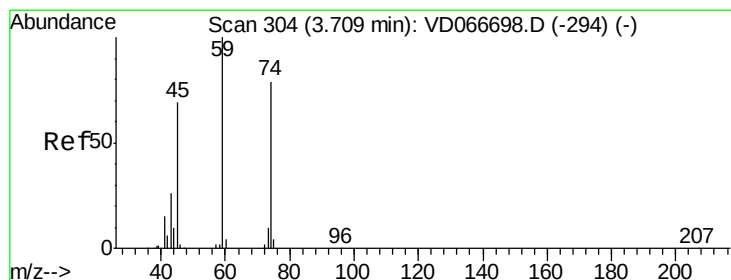
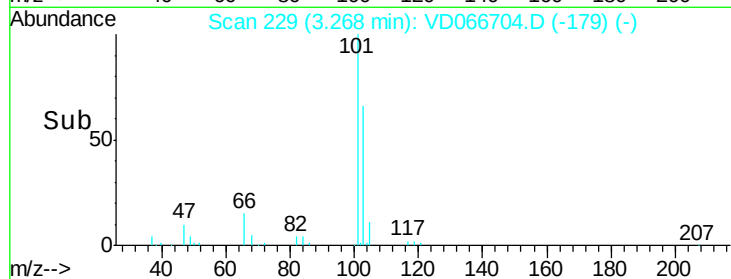
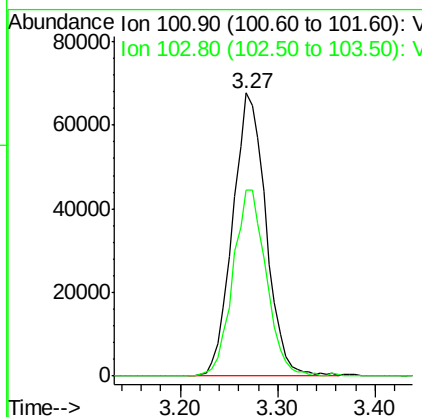
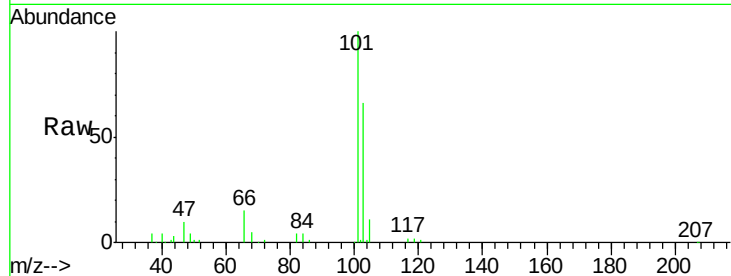
Trichlorofluoromethane
 Concen: 20.506 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD066704.D
 Acq: 15 Sep 2020 18:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0915SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	160958		
103	65.7	51.8	77.8	

Manual Integrations
 APPROVED

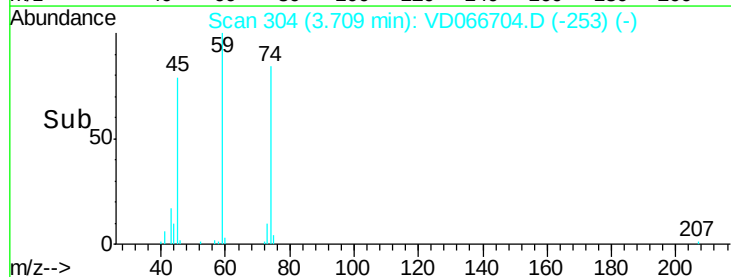
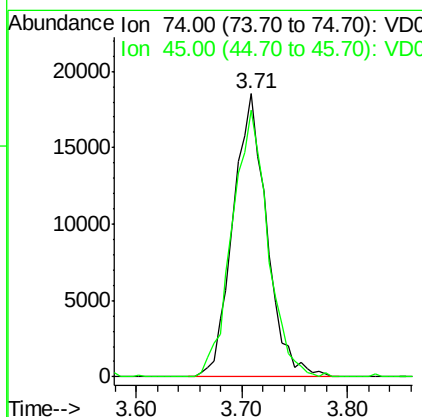
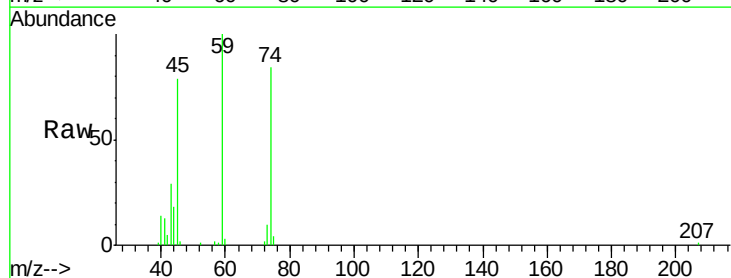
MMDadoda
 9/16/2020 11:44:28 AM

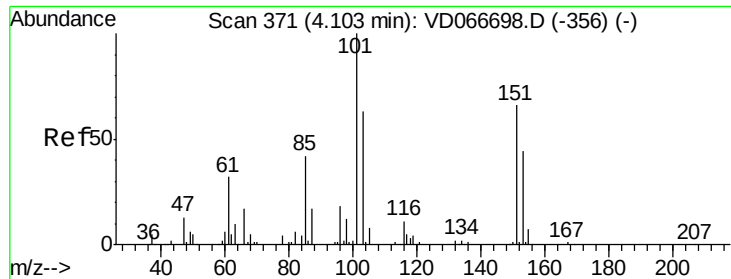


#8

Diethyl Ether
 Concen: 20.894 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD066704.D
 Acq: 15 Sep 2020 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	41068		
45	99.2	48.0	144.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.924 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.01 min

Lab File: VD066704.D

Acq: 15 Sep 2020 18:53

Instrument :

MSVOA_D

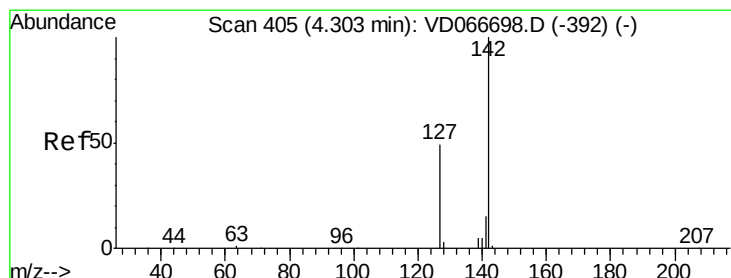
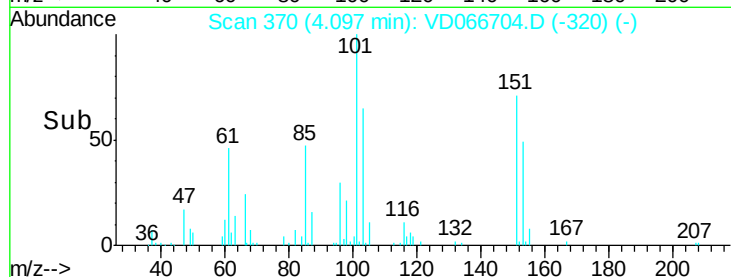
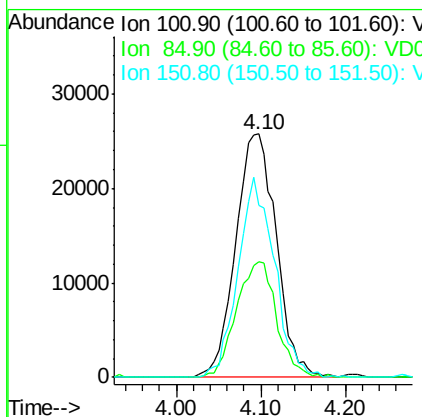
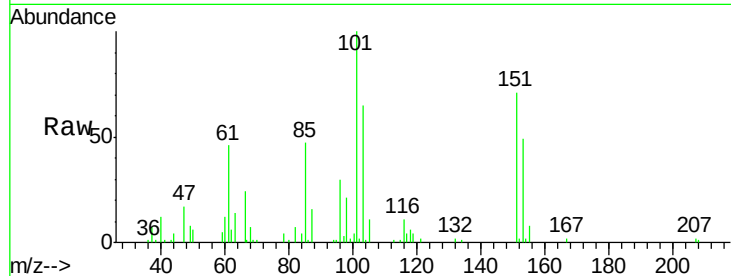
ClientSampleId :

VD0915SBS01

Tot Ion:	101	Resp:	85947
Ion Ratio	Lower	Upper	
101	100		
85	47.0	36.3	54.5
151	73.7	58.0	87.0

Manual Integrations
APPROVED

MMDadoda
9/16/2020 11:44:28 AM



#10

Methyl Iodide

Concen: 19.332 ug/l

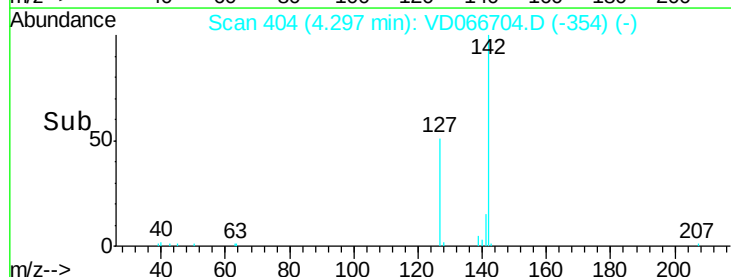
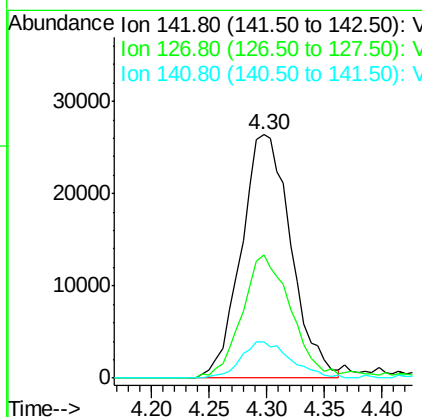
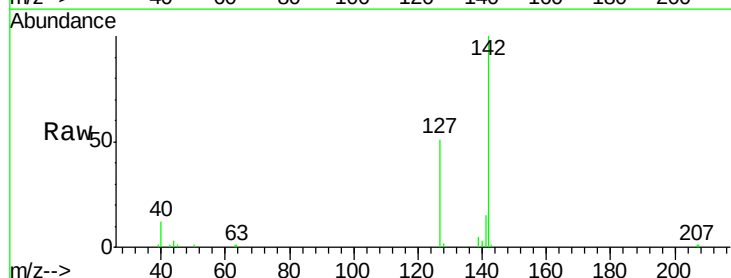
RT: 4.30 min Scan# 404

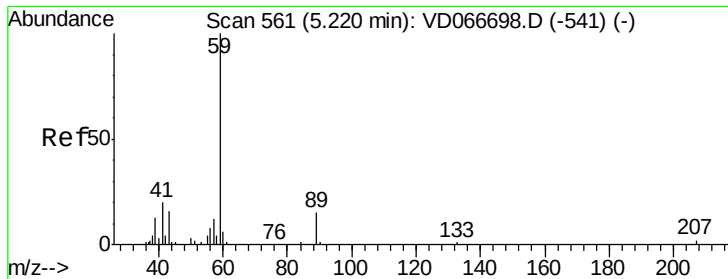
Delta R.T. -0.01 min

Lab File: VD066704.D

Acq: 15 Sep 2020 18:53

Tgt Ion:	142	Resp:	79124
Ion Ratio	Lower	Upper	
142	100		
127	49.9	39.0	58.4
141	15.0	11.7	17.5





#11

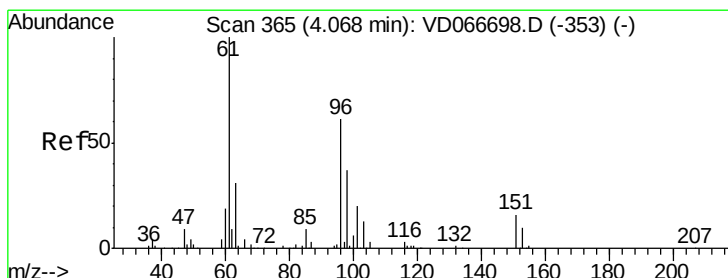
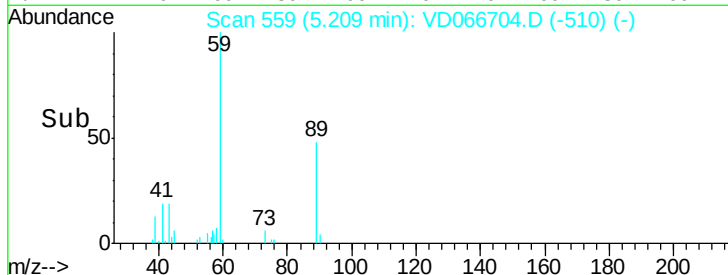
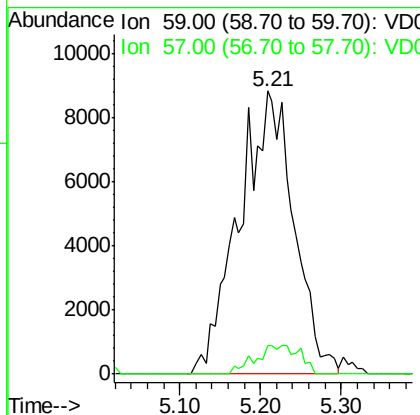
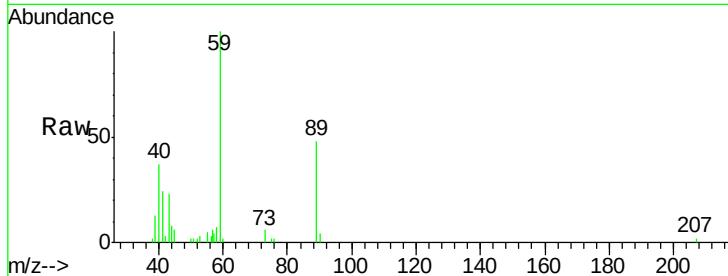
Tert butyl alcohol
 Concen: 112.104 ug/l m
 RT: 5.21 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD066704.D
 Acq: 15 Sep 2020 18:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0915SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	41450		
57	6.9		6.7	10.1

Manual Integrations
 APPROVED

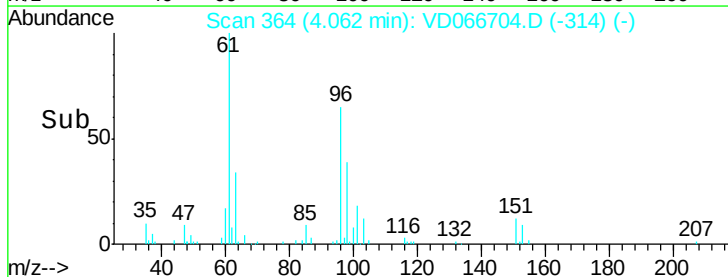
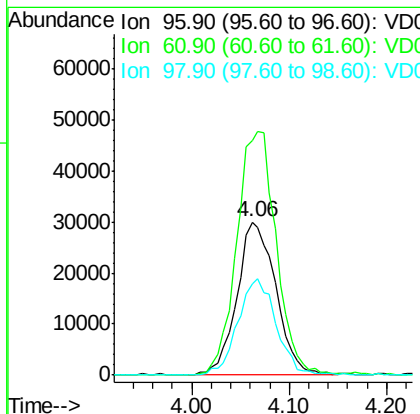
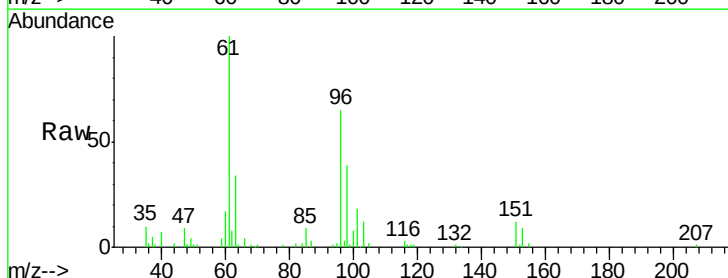
MMDadoda
 9/16/2020 11:44:28 AM

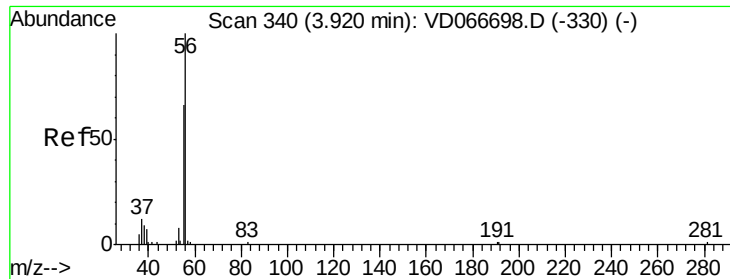


#12

1,1-Dichloroethene
 Concen: 20.874 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD066704.D
 Acq: 15 Sep 2020 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	83344		
61	153.8		131.9	197.9
98	59.8		49.1	73.7





#13

Acrolein

Concen: 103.297 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD066704.D

Acq: 15 Sep 2020 18:53

Instrument :

MSVOA_D

ClientSampleId :

VD0915SBSD01

Tot Ion: 56 Resp: 31016

Ion Ratio Lower Upper

56 100

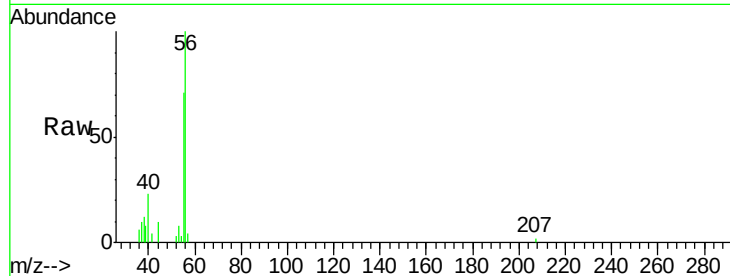
55 73.8 54.7 82.1

Manual Integrations

APPROVED

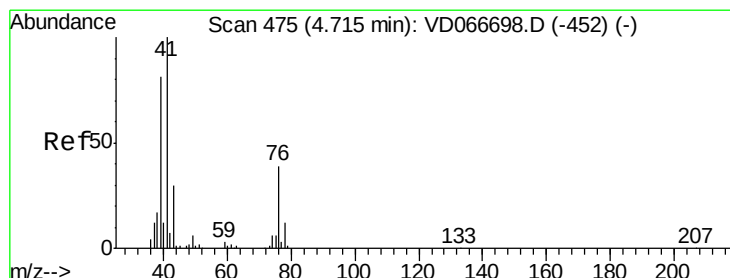
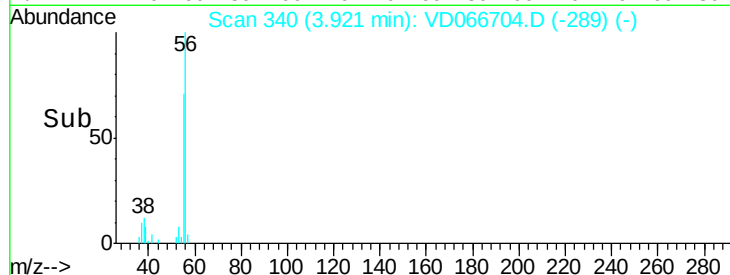
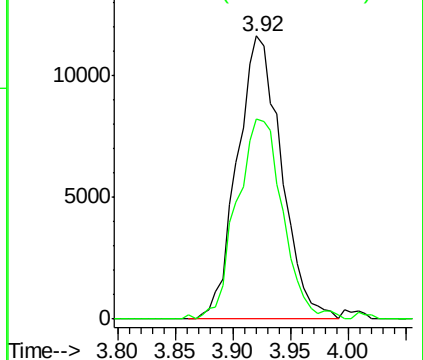
MMDadoda

9/16/2020 11:44:28 AM



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.339 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066704.D

Acq: 15 Sep 2020 18:53

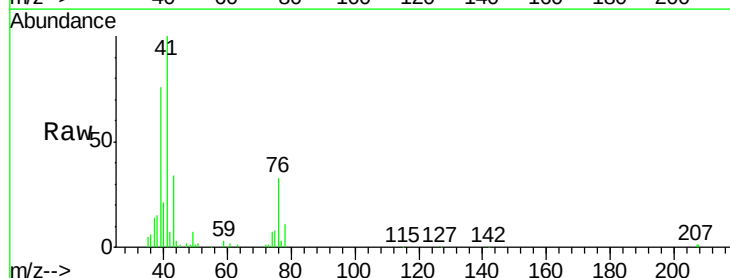
Tgt Ion: 41 Resp: 130415

Ion Ratio Lower Upper

41 100

39 73.9 60.6 90.8

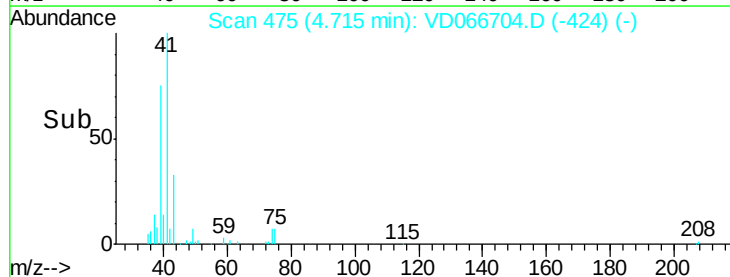
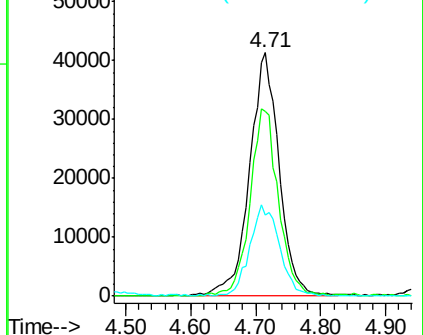
76 37.4 29.2 43.8

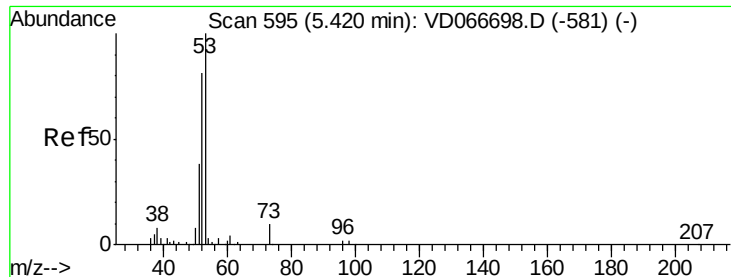


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 103.602 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066704.D

Acq: 15 Sep 2020 18:53

Instrument :

MSVOA_D

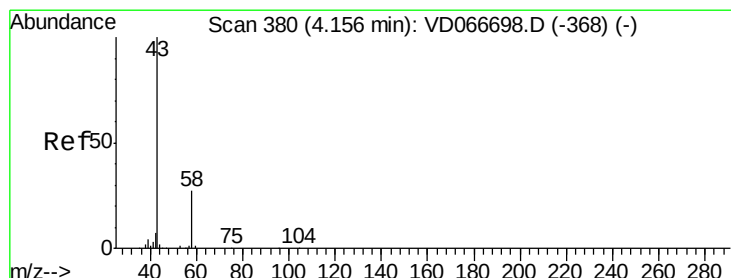
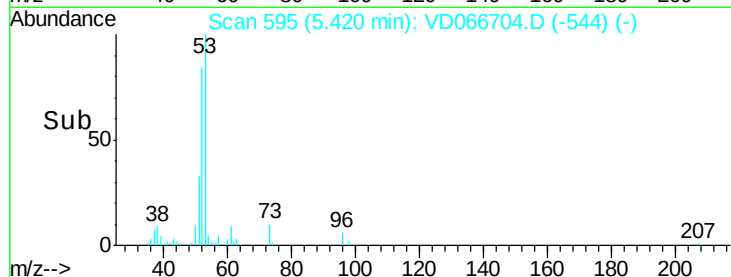
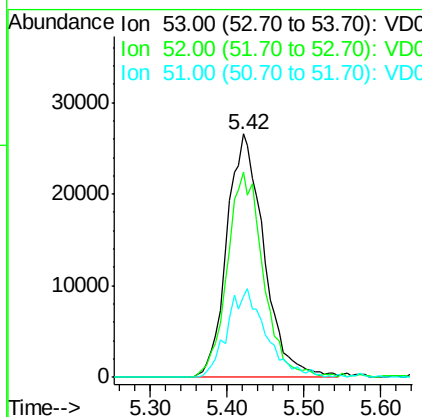
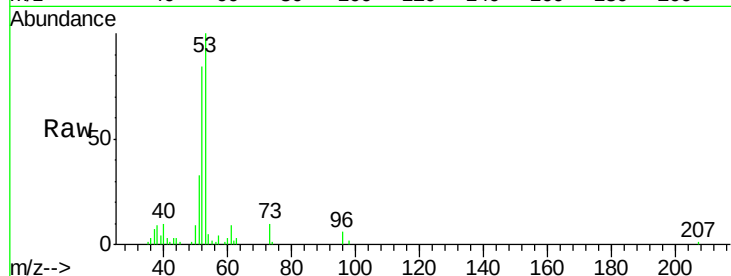
ClientSampleId :

VD0915SBS01

Tot Ion:	53	Resp:	89204
Ion Ratio	Lower	Upper	
53	100		
52	81.4	66.6	99.8
51	38.0	31.0	46.6

Manual Integrations
APPROVED

MMDadoda
9/16/2020 11:44:28 AM



#16

Acetone

Concen: 89.753 ug/l

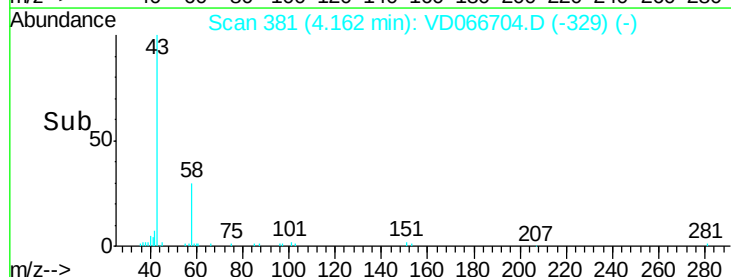
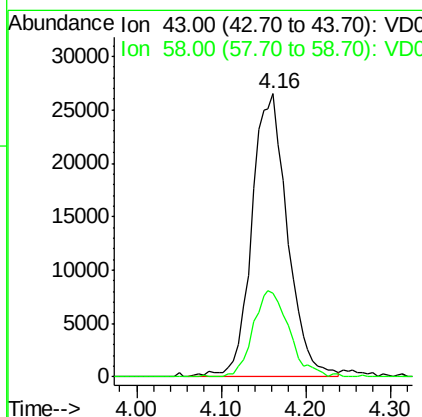
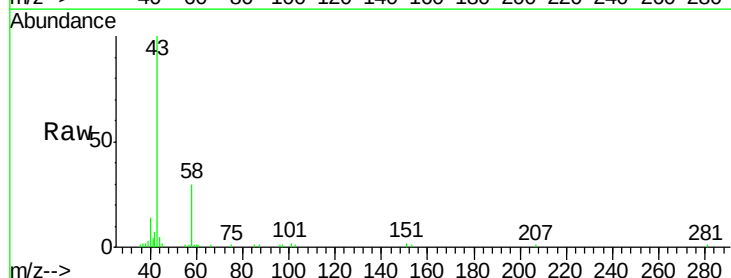
RT: 4.16 min Scan# 381

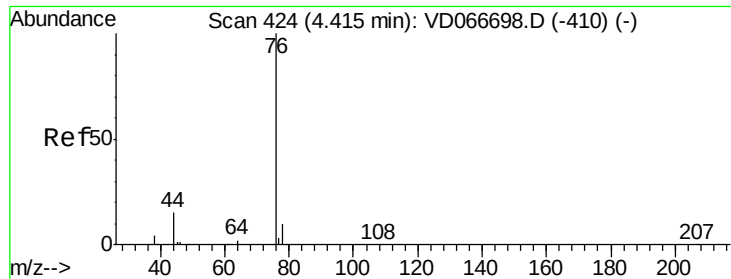
Delta R.T. 0.01 min

Lab File: VD066704.D

Acq: 15 Sep 2020 18:53

Tgt Ion:	43	Resp:	77812
Ion Ratio	Lower	Upper	
43	100		
58	29.7	21.9	32.9





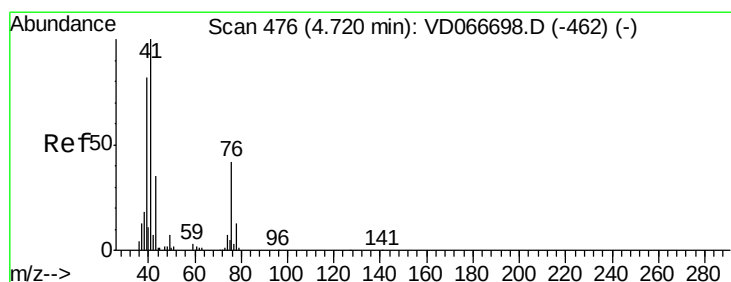
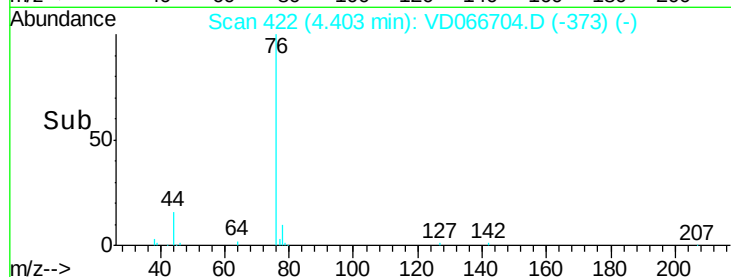
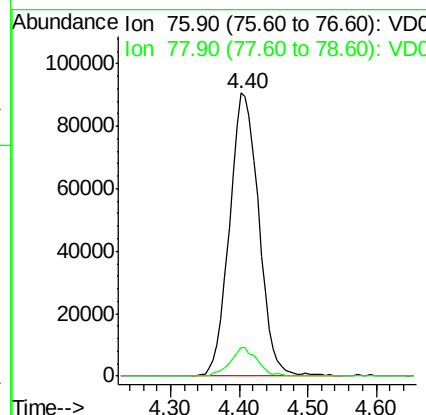
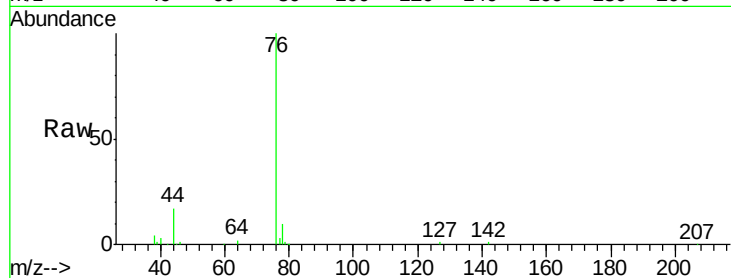
#17
Carbon Disulfide
Concen: 21.341 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD066704.D
Acq: 15 Sep 2020 18:53

Instrument :
MSVOA_D
ClientSampleId :
VD0915SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.1	8.0	12.0

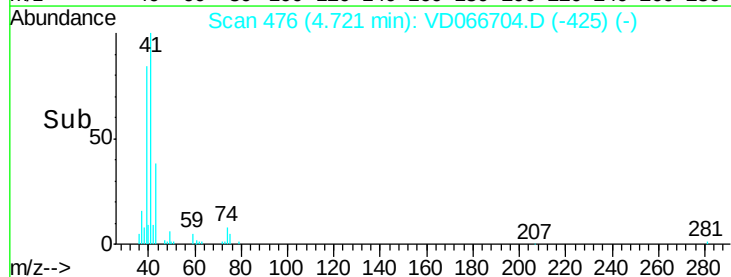
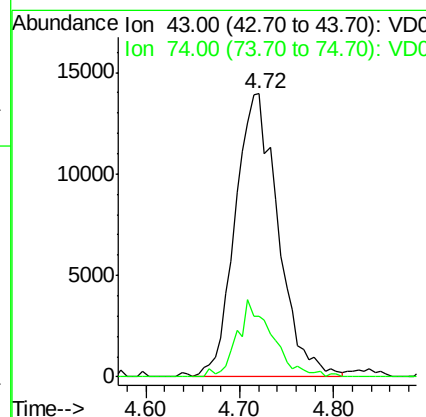
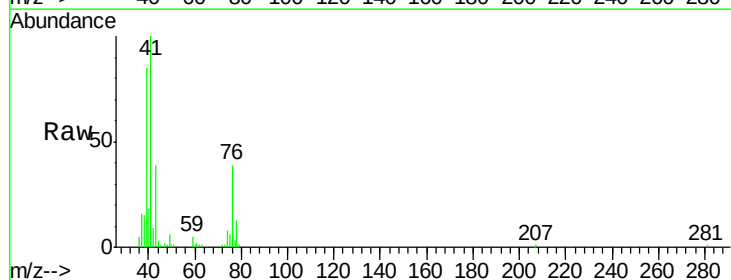
Manual Integrations
APPROVED

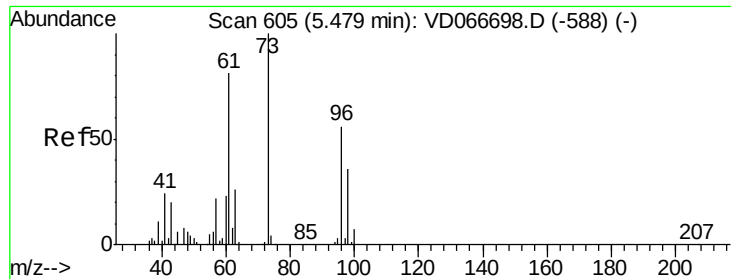
MMDadoda
9/16/2020 11:44:28 AM



#18
Methyl Acetate
Concen: 21.968 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD066704.D
Acq: 15 Sep 2020 18:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.0	18.6	28.0





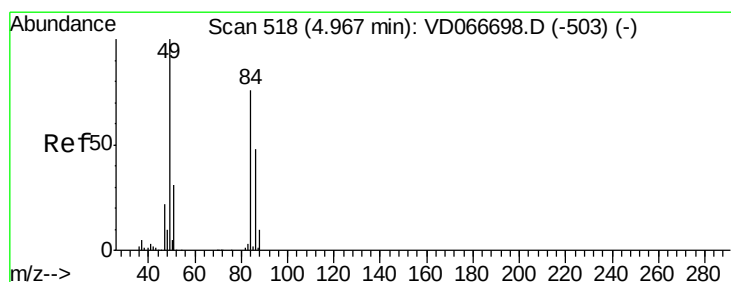
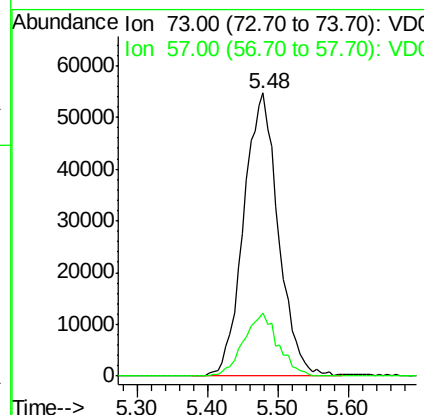
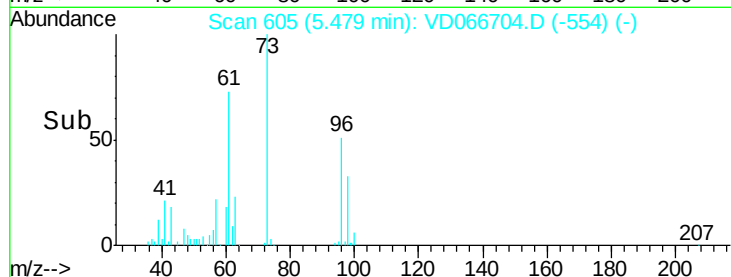
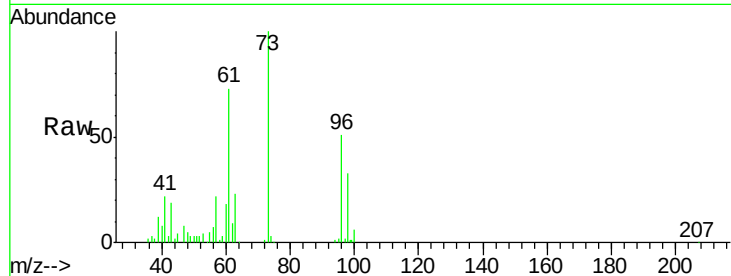
#19
Methyl tert-butyl Ether
Concen: 21.041 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD066704.D
Acq: 15 Sep 2020 18:53

Instrument :
MSVOA_D
ClientSampleId :
VD0915SBS01

Tot Ion: 73 Resp: 187119
Ion Ratio Lower Upper
73 100
57 22.4 17.8 26.6

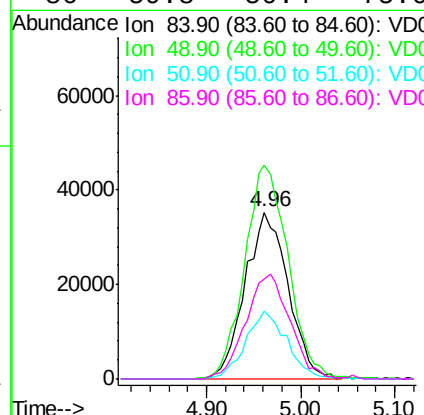
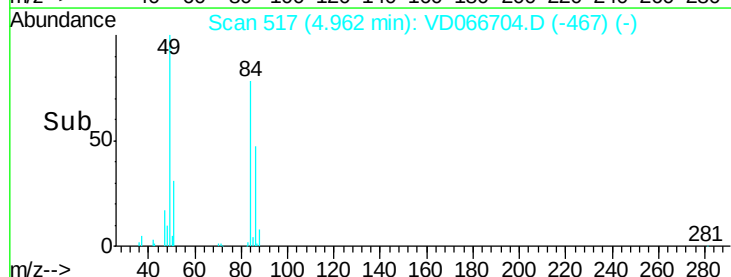
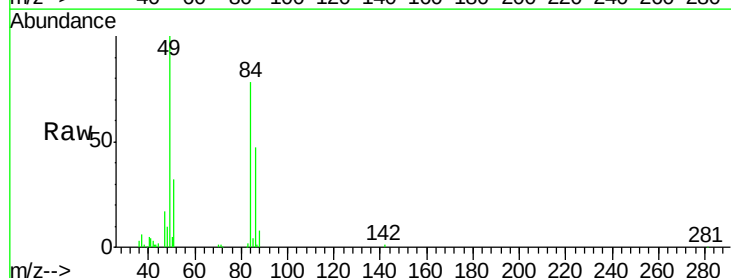
Manual Integrations
APPROVED

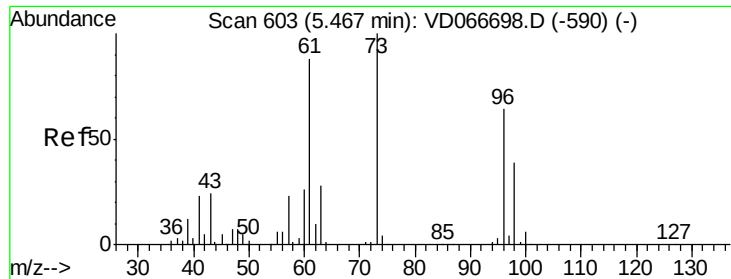
MMDadoda
9/16/2020 11:44:28 AM



#20
Methylene Chloride
Concen: 19.426 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066704.D
Acq: 15 Sep 2020 18:53

Tgt Ion: 84 Resp: 111512
Ion Ratio Lower Upper
84 100
49 128.0 105.0 157.6
51 40.5 32.2 48.4
86 59.8 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 20.740 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD066704.D

Acq: 15 Sep 2020 18:53

Instrument :

MSVOA_D

ClientSampleId :

VD0915SBS01

Tot Ion: 96 Resp: 96476

Ion Ratio Lower Upper

96 100

61 132.0 110.6 166.0

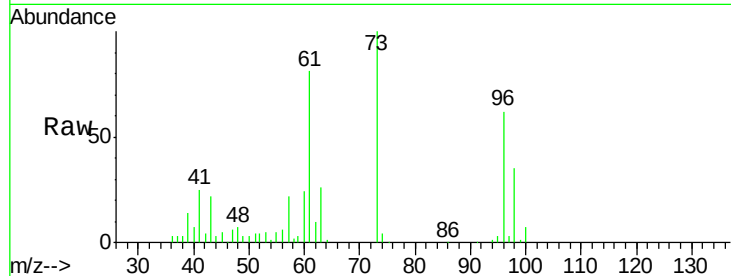
98 56.2 49.2 73.8

Manual Integrations

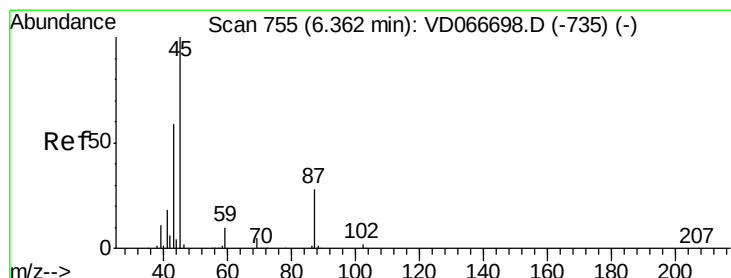
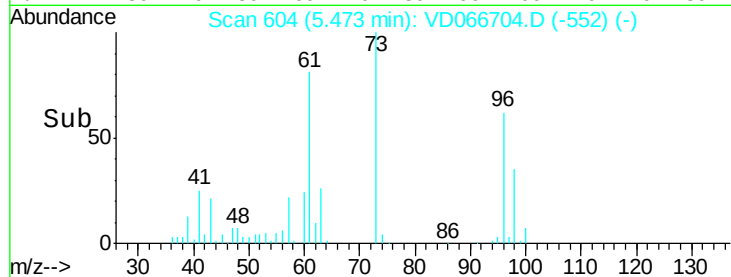
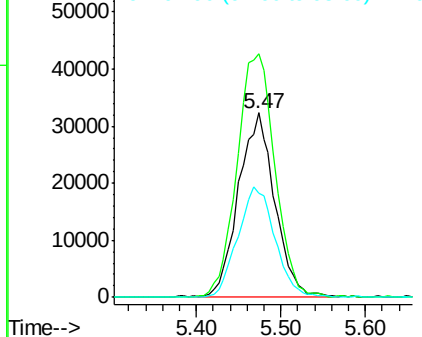
APPROVED

MMDadoda

9/16/2020 11:44:28 AM



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 21.266 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD066704.D

Acq: 15 Sep 2020 18:53

Tgt Ion: 45 Resp: 277070

Ion Ratio Lower Upper

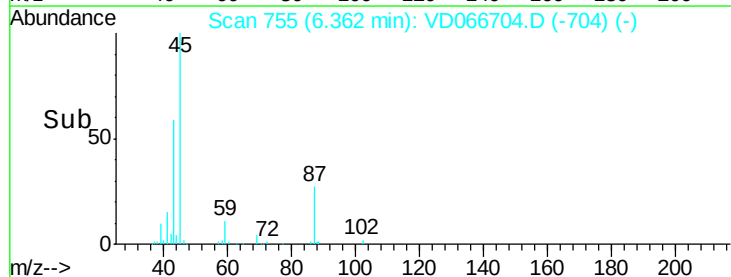
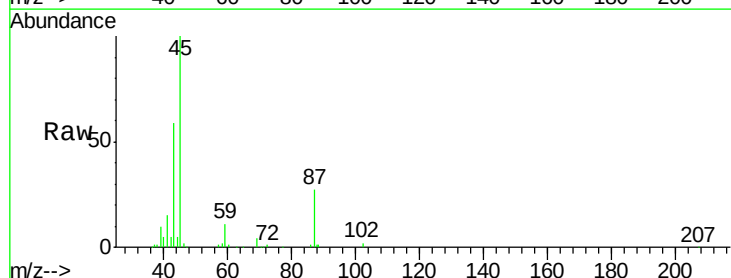
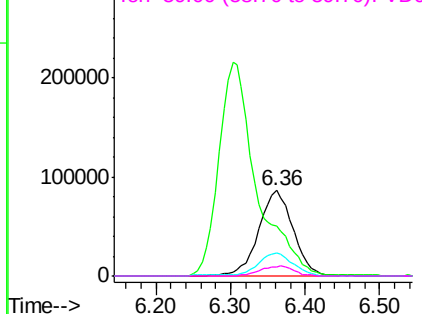
45 100

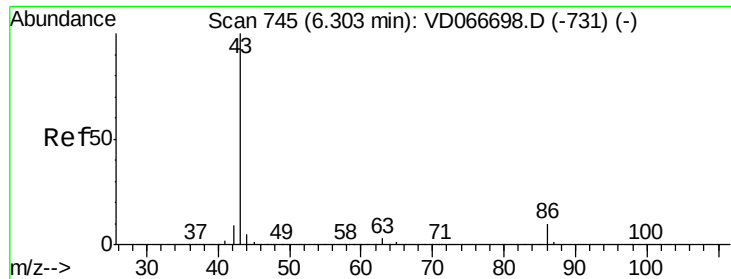
43 58.0 46.9 70.3

87 27.0 22.4 33.6

59 11.0 8.5 12.7

Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 104.725 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066704.D

Acq: 15 Sep 2020 18:53

Instrument :

MSVOA_D

ClientSampleId :

VD0915SBS01

Tot Ion: 43 Resp: 758963

Ion Ratio Lower Upper

43 100

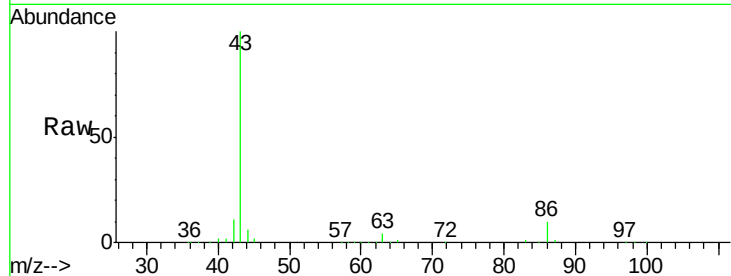
86 10.3 7.8 11.8

Manual Integrations

APPROVED

MMDadoda

9/16/2020 11:44:28 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

250000

200000

150000

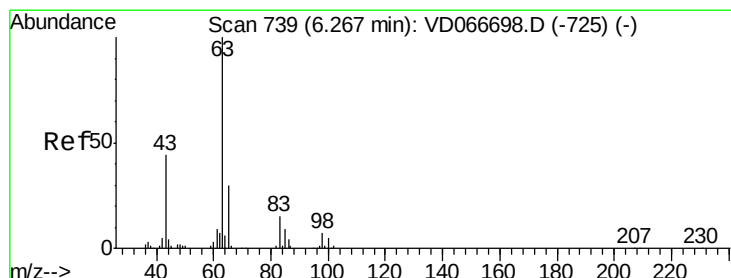
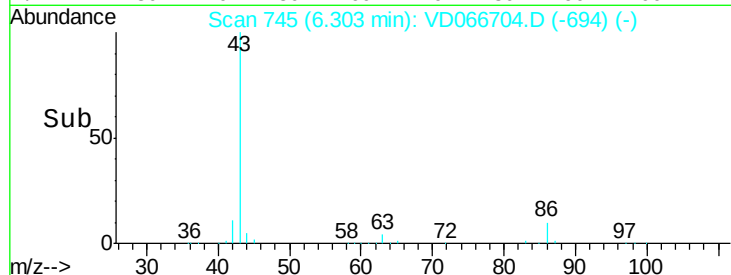
100000

50000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 20.623 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD066704.D

Acq: 15 Sep 2020 18:53

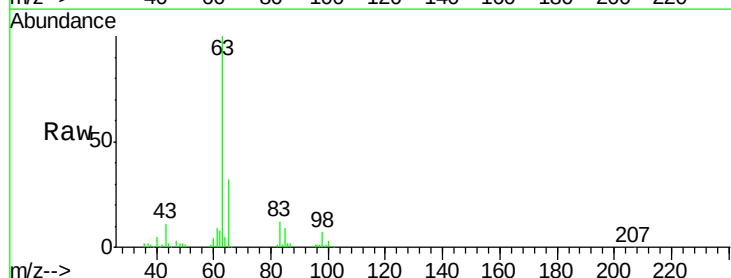
Tgt Ion: 63 Resp: 170508

Ion Ratio Lower Upper

63 100

98 7.4 3.4 10.2

100 3.3 2.6 8.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

60000

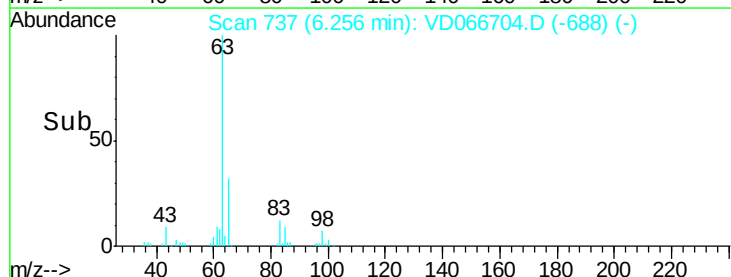
40000

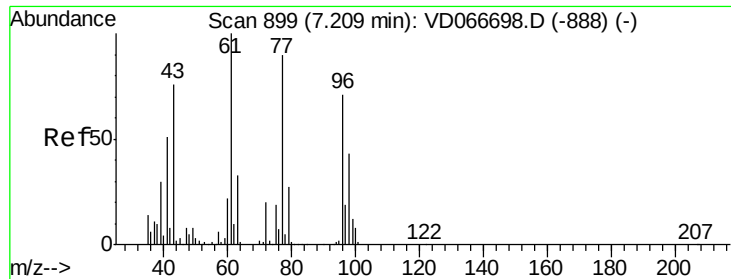
20000

0

6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 101.445 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066704.D

Acq: 15 Sep 2020 18:53

Instrument :

MSVOA_D

ClientSampleId :

VD0915SBS01

Tot Ion: 43 Resp: 114522

Ion Ratio Lower Upper

43 100

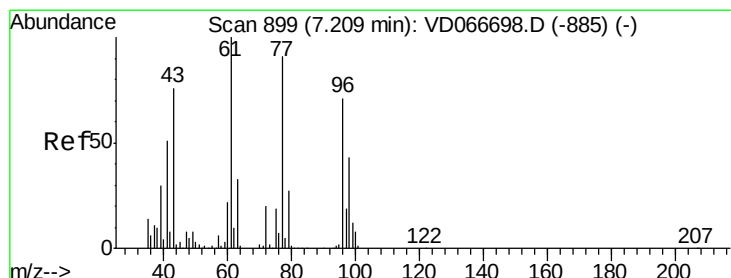
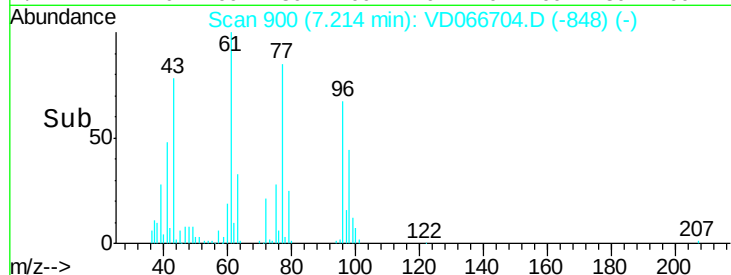
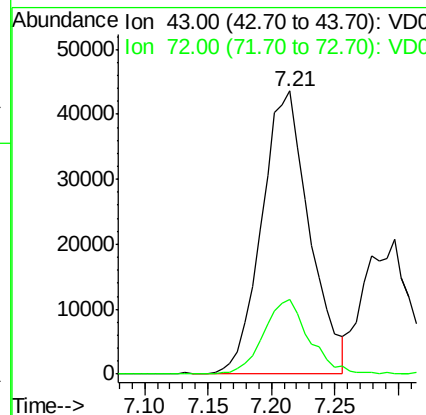
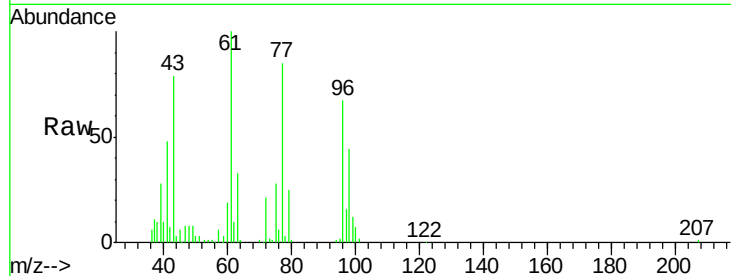
72 26.2 21.0 31.4

Manual Integrations

APPROVED

MMDadoda

9/16/2020 11:44:28 AM



#26

2,2-Dichloropropane

Concen: 19.030 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066704.D

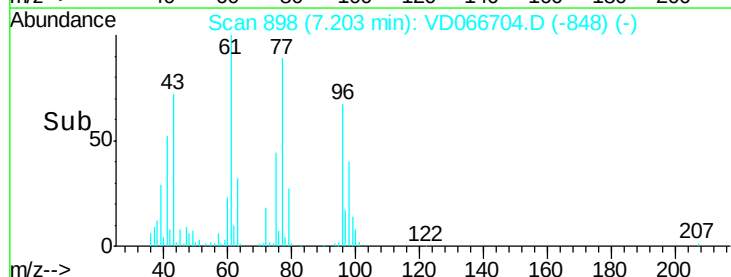
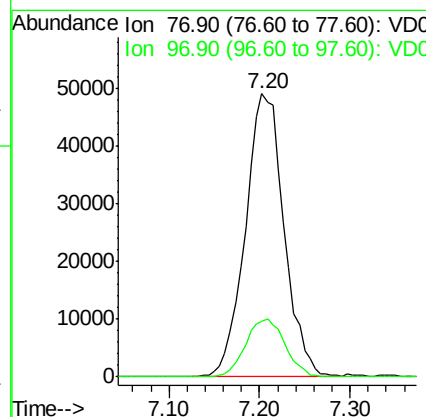
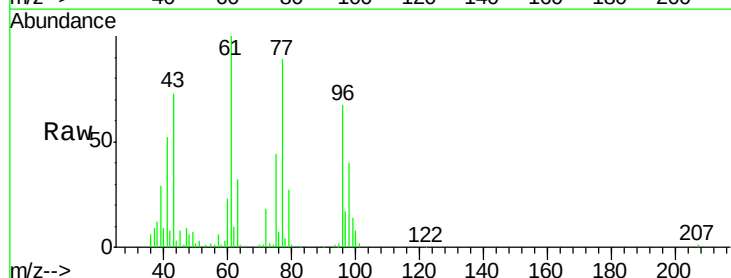
Acq: 15 Sep 2020 18:53

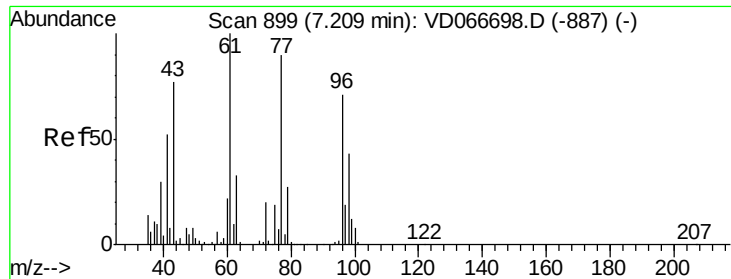
Tgt Ion: 77 Resp: 145491

Ion Ratio Lower Upper

77 100

97 20.8 10.6 31.8





#27

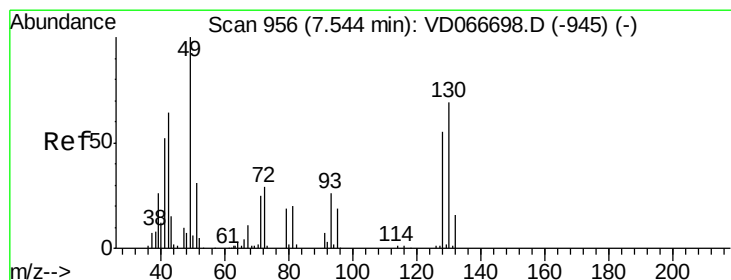
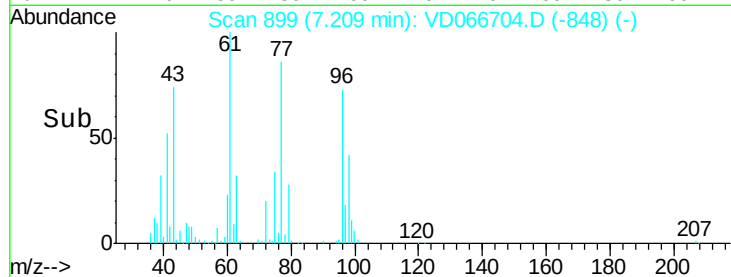
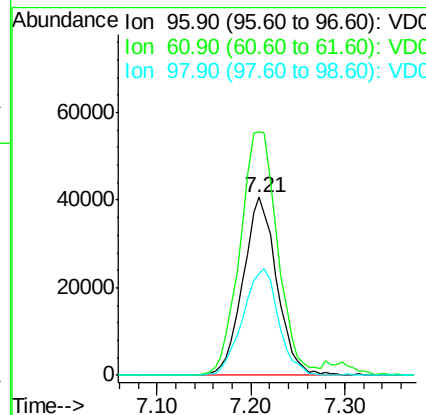
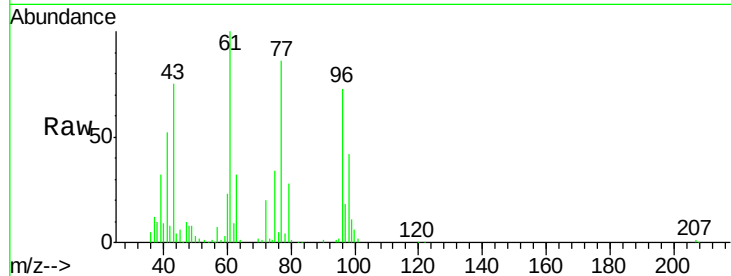
cis-1,2-Dichloroethene
 Concen: 19.932 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD066704.D
 Acq: 15 Sep 2020 18:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0915SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	152.1	0.0	292.4	
98	63.6	0.0	127.0	

Manual Integrations
 APPROVED

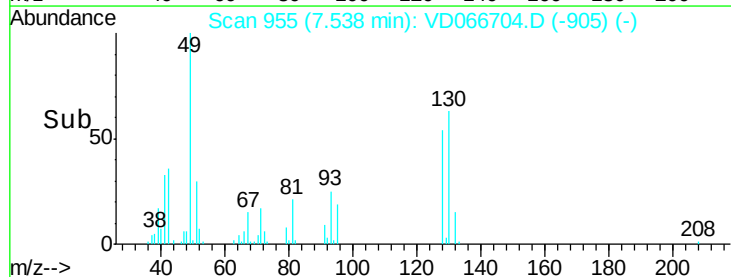
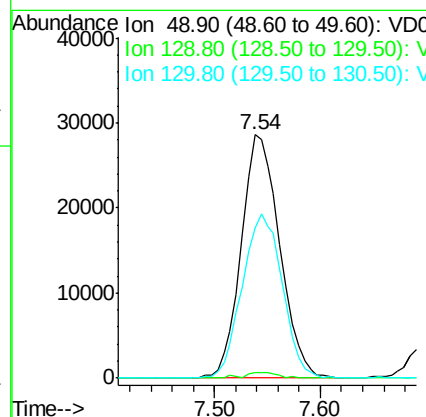
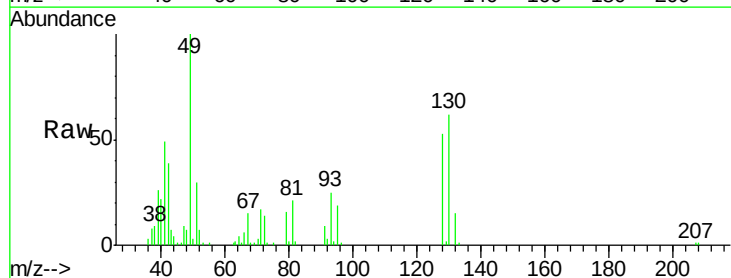
MMDadoda
 9/16/2020 11:44:28 AM

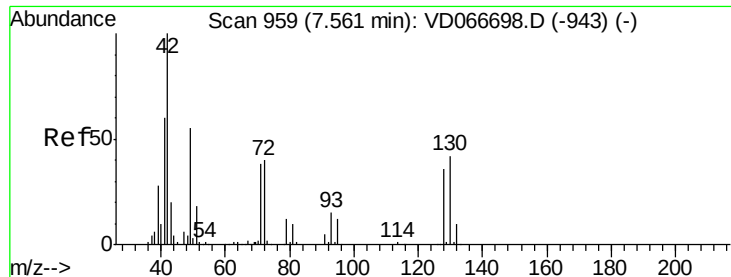


#28

Bromochloromethane
 Concen: 23.374 ug/l
 RT: 7.54 min Scan# 955
 Delta R.T. -0.01 min
 Lab File: VD066704.D
 Acq: 15 Sep 2020 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	3.8	
130	70.3	58.6	88.0	





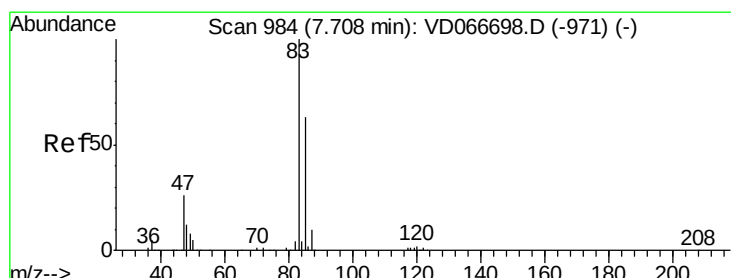
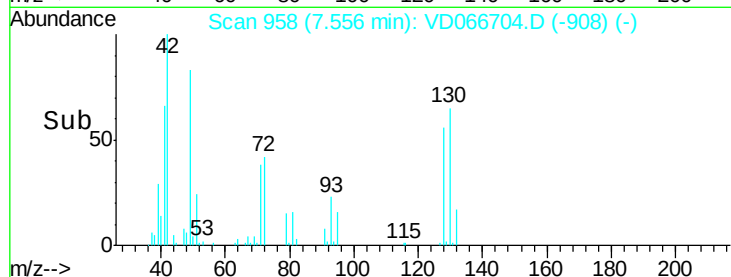
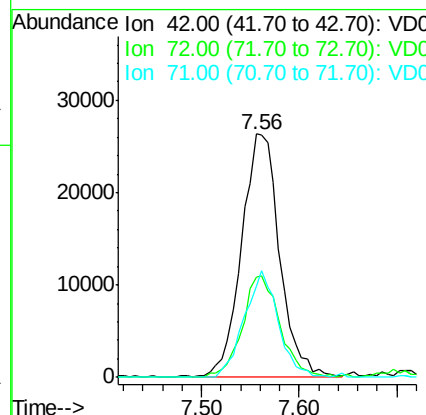
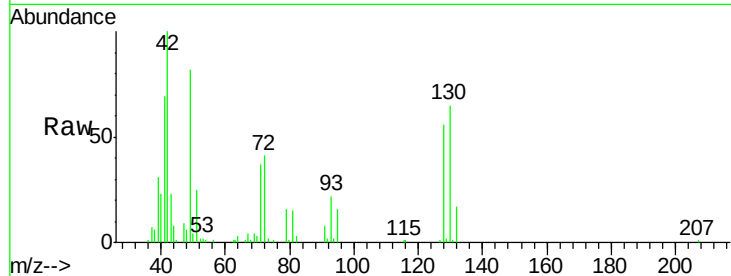
#29
Tetrahydrofuran
Concen: 104.565 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066704.D
Acq: 15 Sep 2020 18:53

Instrument :
MSVOA_D
ClientSampleId :
VD0915SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.0	32.6	48.8
71	38.8	30.6	45.8

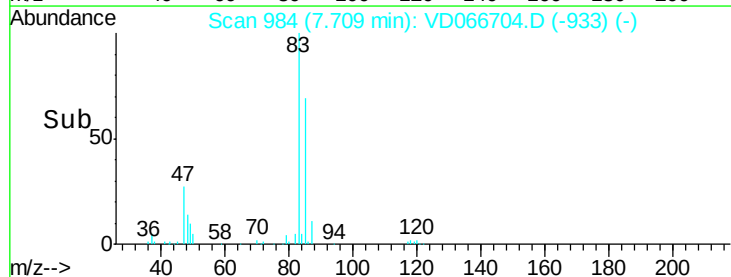
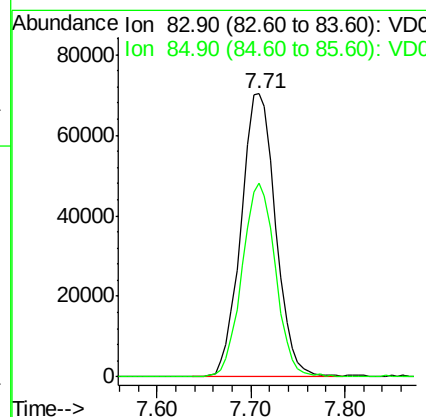
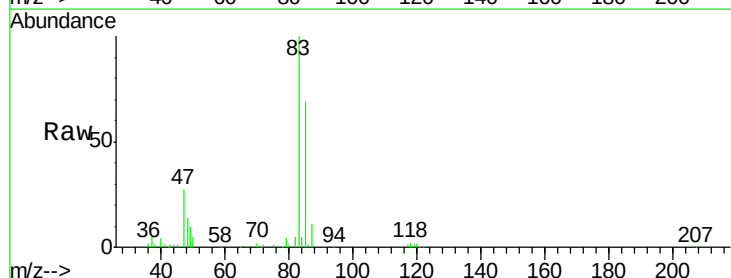
Manual Integrations
APPROVED

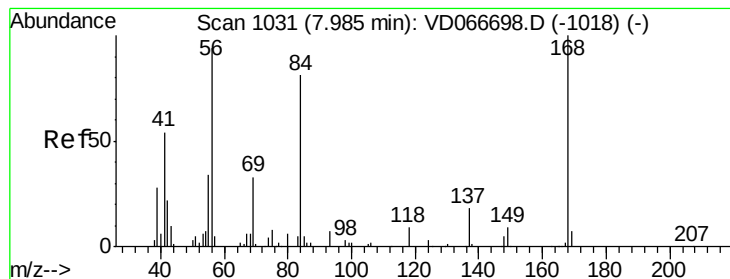
MMDadoda
9/16/2020 11:44:28 AM



#30
Chloroform
Concen: 20.390 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD066704.D
Acq: 15 Sep 2020 18:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.5	50.6	76.0





#31

Cyclohexane

Concen: 20.446 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD066704.D

Acq: 15 Sep 2020 18:53

Instrument :

MSVOA_D

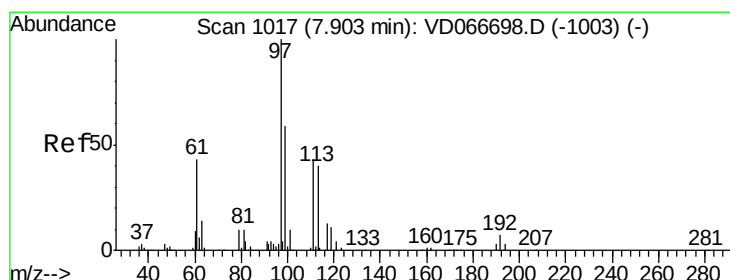
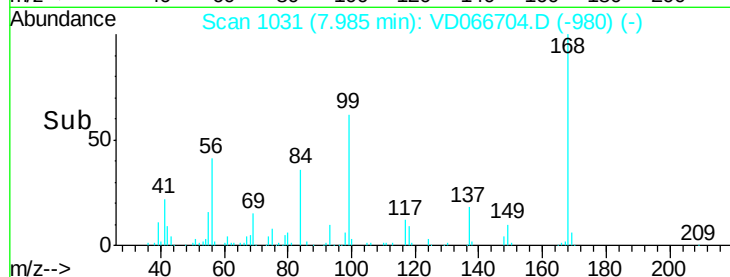
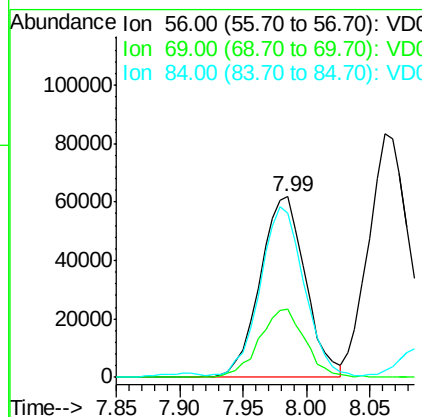
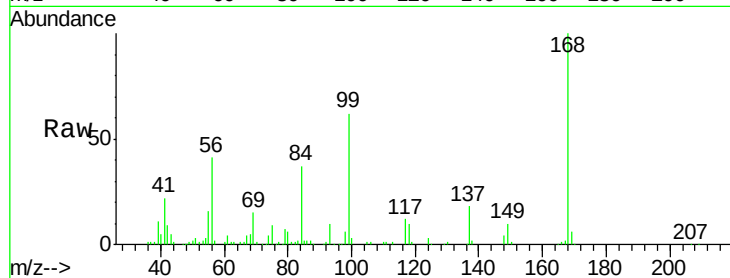
ClientSampleId :

VD0915SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		153757		
69	37.5	27.7	41.5		
84	88.0	68.5	102.7		

Manual Integrations
APPROVED

MMDadoda
9/16/2020 11:44:28 AM



#32

1,1,1-Trichloroethane

Concen: 20.831 ug/l

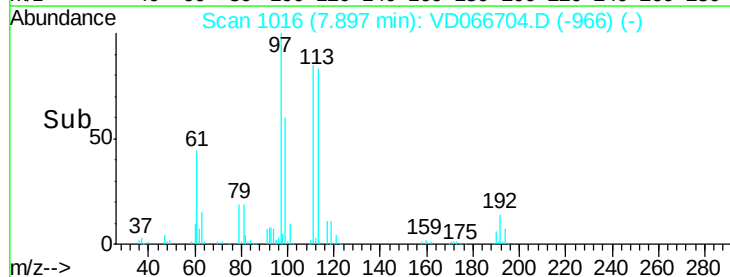
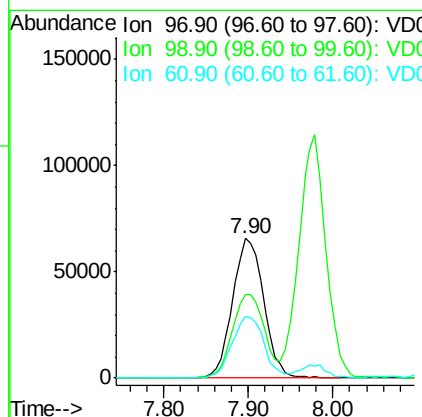
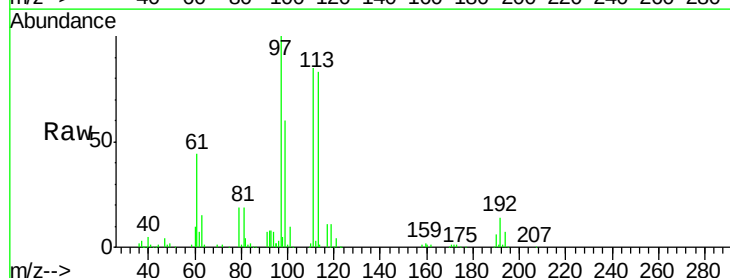
RT: 7.90 min Scan# 1016

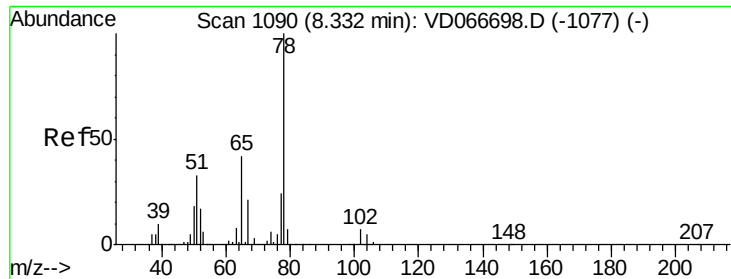
Delta R.T. -0.01 min

Lab File: VD066704.D

Acq: 15 Sep 2020 18:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		167724		
99	62.8	51.0	76.4		
61	44.8	35.2	52.8		





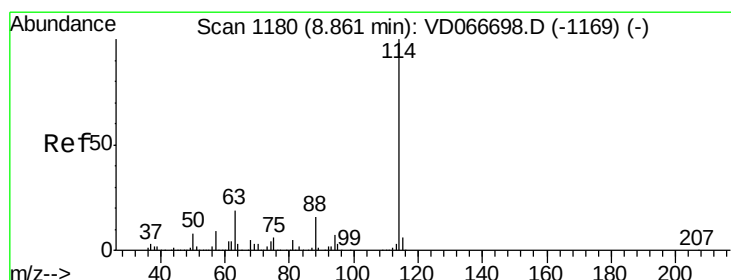
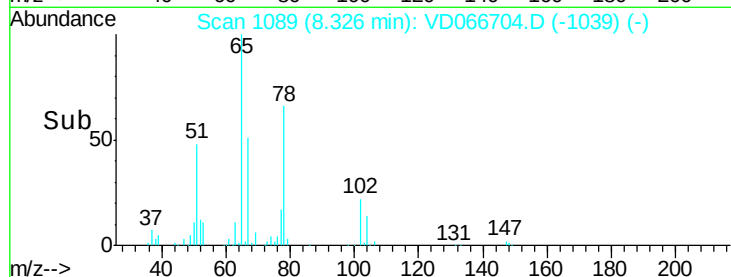
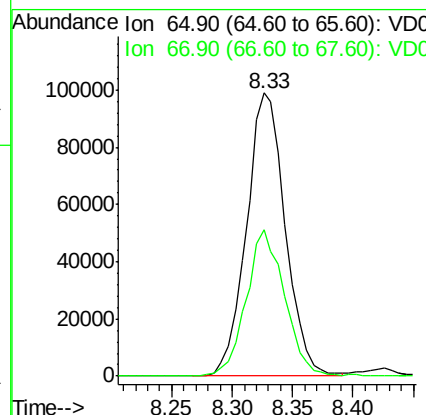
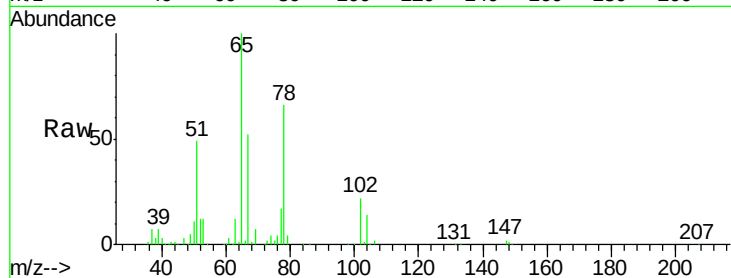
#33
 1,2-Dichloroethane-d4
 Concen: 51.982 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066704.D
 Acq: 15 Sep 2020 18:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0915SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	221306		
67	51.2	0.0	102.2	

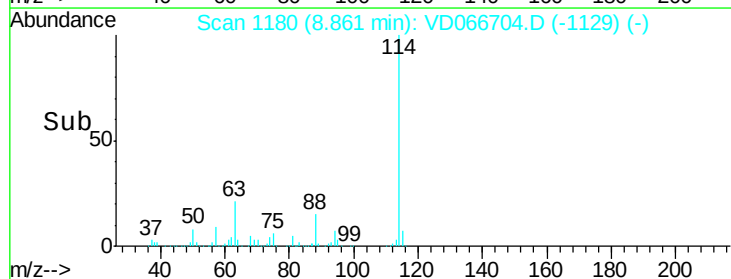
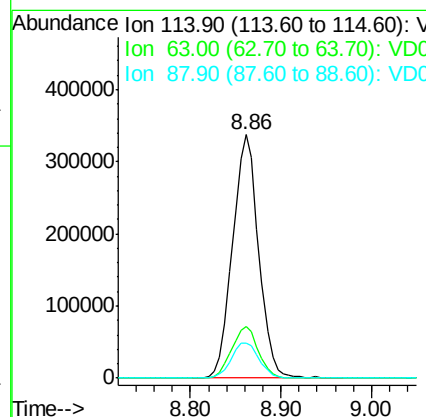
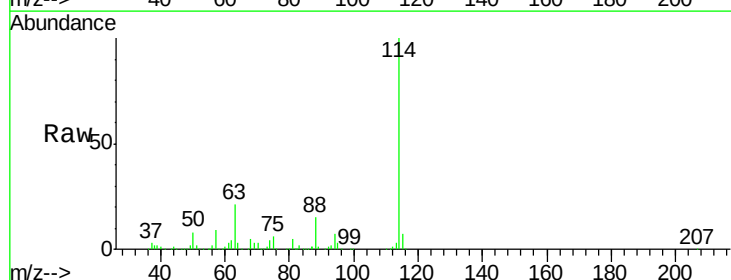
Manual Integrations
 APPROVED

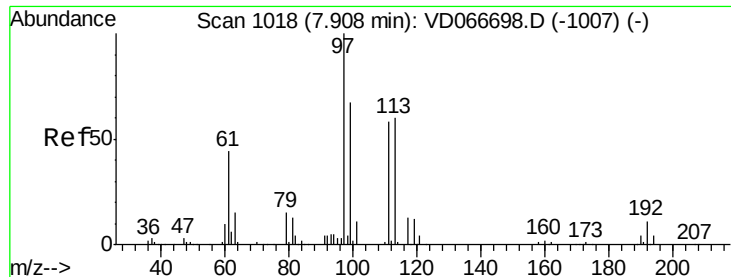
MMDadoda
 9/16/2020 11:44:28 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066704.D
 Acq: 15 Sep 2020 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	675193		
63	21.1	0.0	37.6	
88	14.5	0.0	32.2	





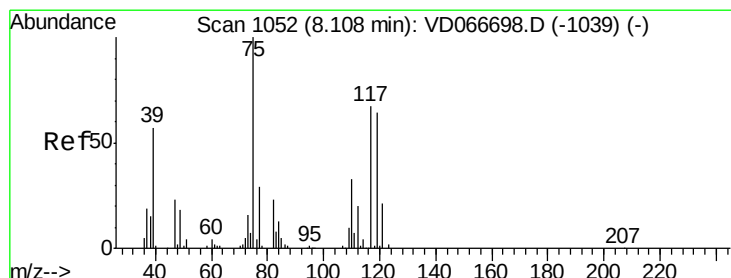
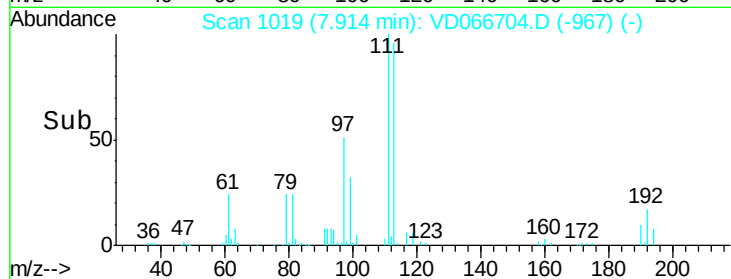
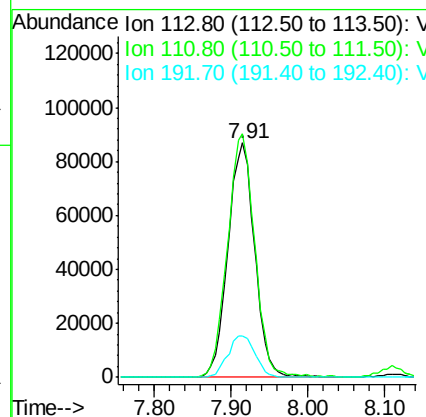
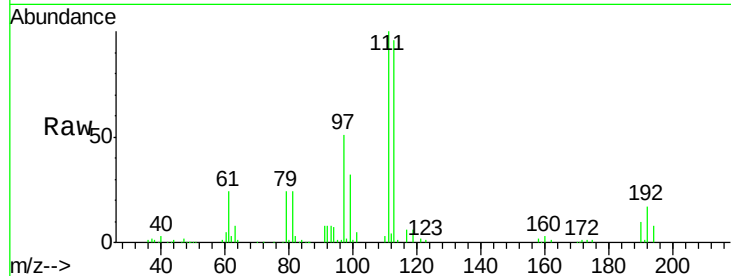
#35
 Dibromofluoromethane
 Concen: 50.857 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066704.D
 Acq: 15 Sep 2020 18:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0915SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	210525		
111	105.7	83.2	124.8	
192	18.0	14.8	22.2	

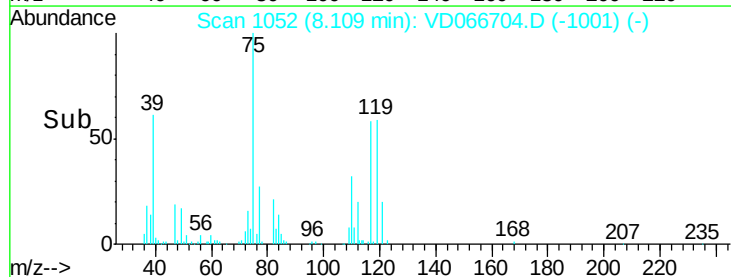
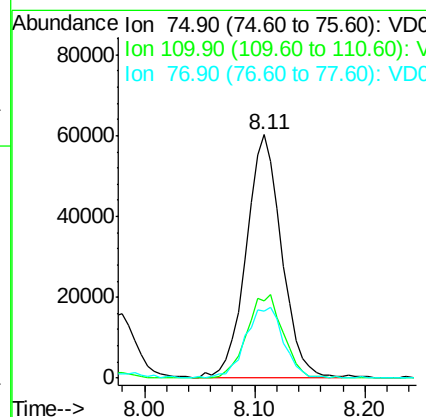
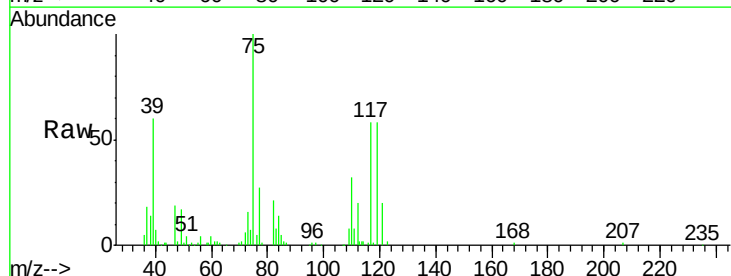
Manual Integrations
 APPROVED

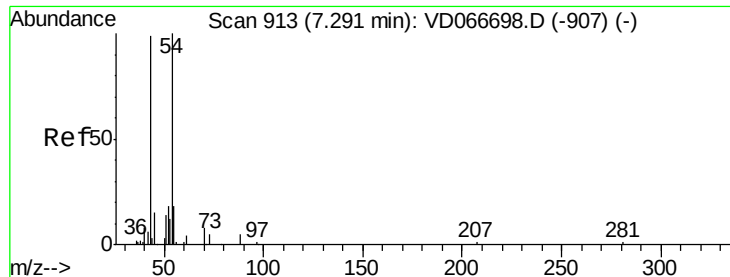
MMDadoda
 9/16/2020 11:44:28 AM



#36
 1,1-Dichloropropene
 Concen: 19.325 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066704.D
 Acq: 15 Sep 2020 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	134151		
110	35.7	17.1	51.2	
77	31.7	25.0	37.6	





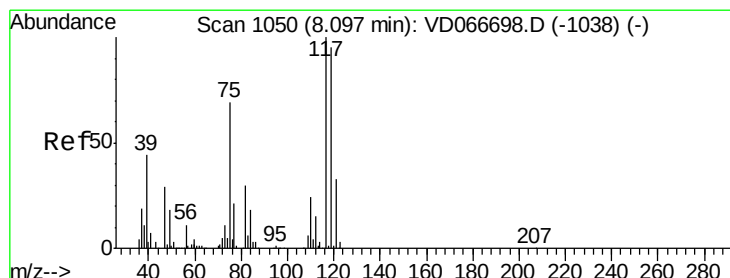
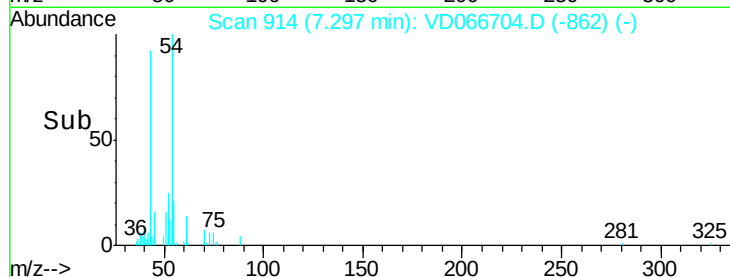
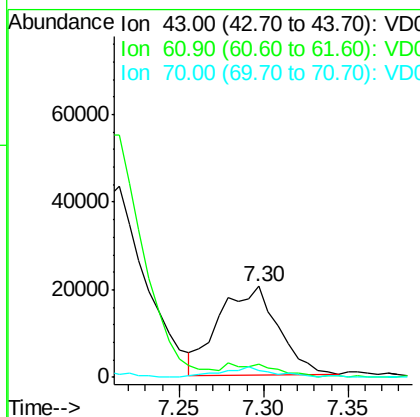
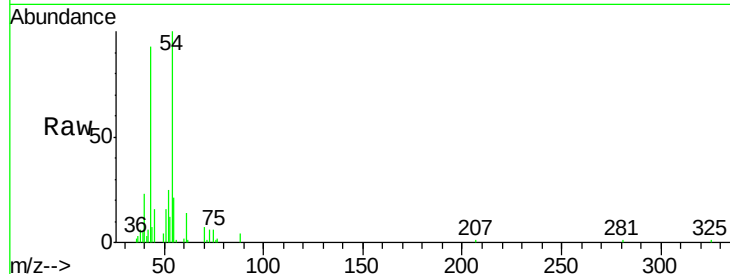
#37
Ethyl Acetate
Concen: 18.796 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD066704.D
Acq: 15 Sep 2020 18:53

Instrument :
MSVOA_D
ClientSampleId :
VD0915SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.4	15.6#
70	10.7	7.5	11.3

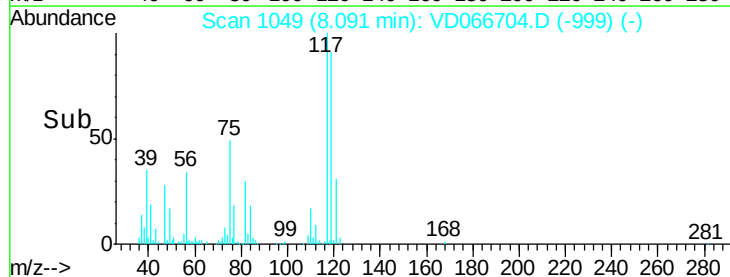
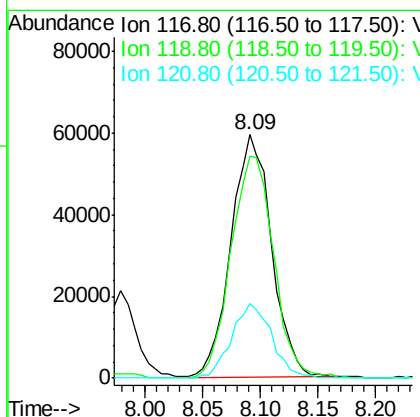
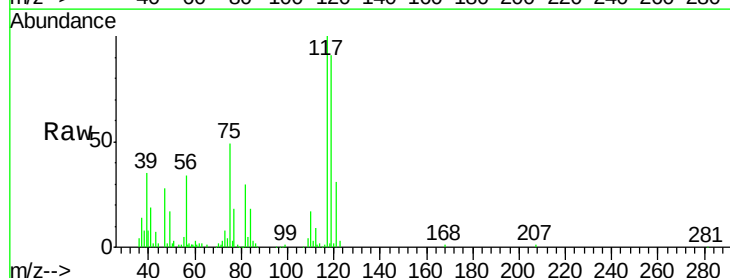
Manual Integrations
APPROVED

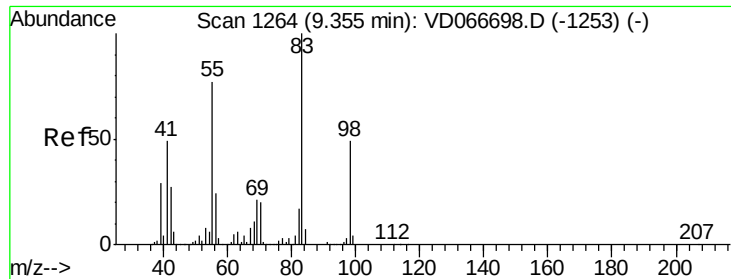
MMDadoda
9/16/2020 11:44:28 AM



#38
Carbon Tetrachloride
Concen: 19.640 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD066704.D
Acq: 15 Sep 2020 18:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.2	75.8	113.6
121	31.0	26.2	39.4





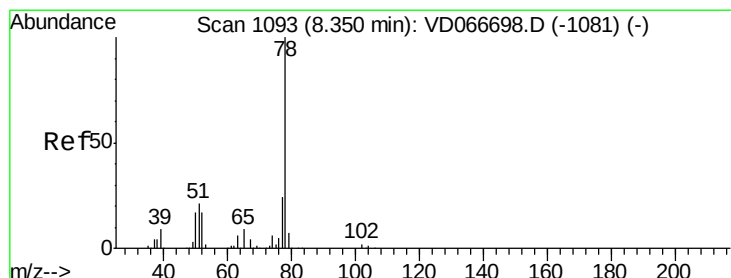
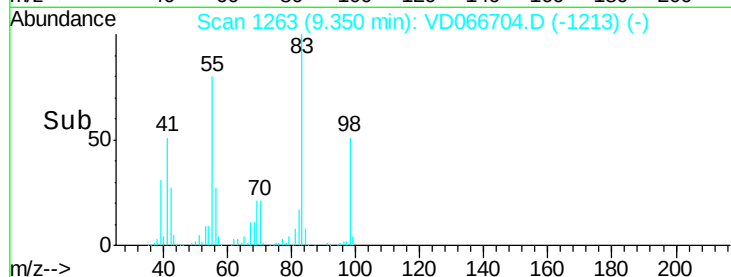
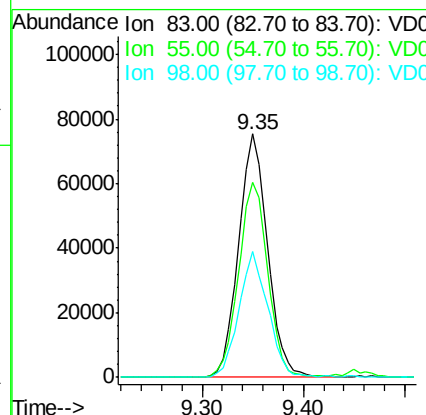
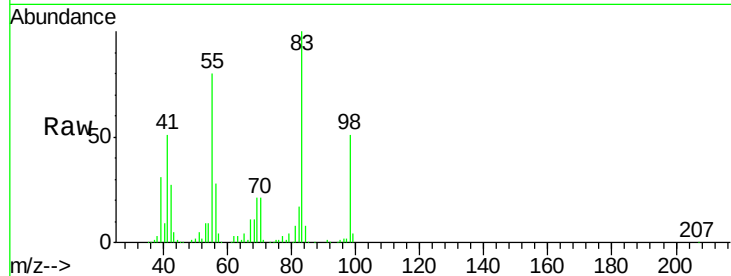
#39
Methylvlcyclohexane
Concen: 18.939 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD066704.D
Acq: 15 Sep 2020 18:53

Instrument :
MSVOA_D
ClientSampleId :
VD0915SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	150385		
55	79.9		61.5	92.3
98	51.5		39.3	58.9

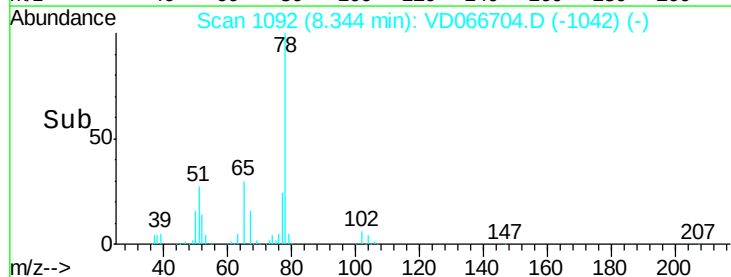
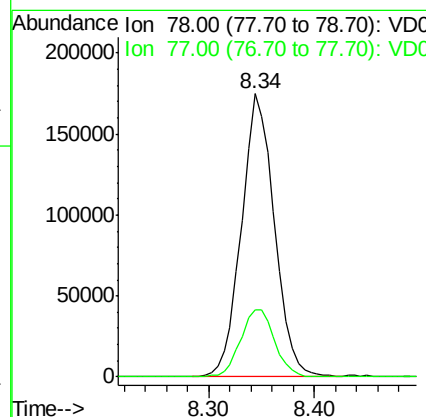
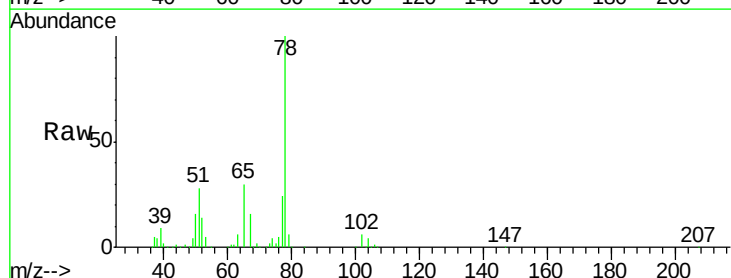
Manual Integrations
APPROVED

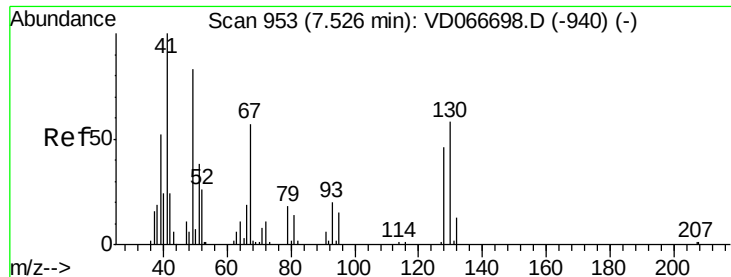
MMDadoda
9/16/2020 11:44:28 AM



#40
Benzene
Concen: 20.154 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VD066704.D
Acq: 15 Sep 2020 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	378512		
77	23.7		19.3	28.9





#41

Methacrylonitrile

Concen: 20.660 ug/l

RT: 7.53 min Scan# 953

Delta R.T. 0.00 min

Lab File: VD066704.D

Acq: 15 Sep 2020 18:53

Instrument :

MSVOA_D

ClientSampleId :

VD0915SBS01

Tot Ion: 41 Resp: 28744

Ion Ratio Lower Upper

41 100

39 0.0 59.3 88.9#

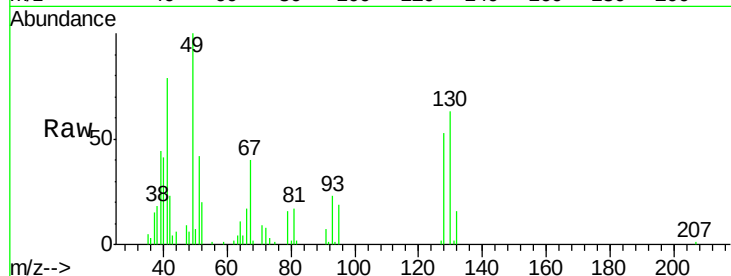
67 74.1 62.3 93.5

52 33.1 28.0 42.0

Manual Integrations
APPROVED

MMDadoda

9/16/2020 11:44:28 AM

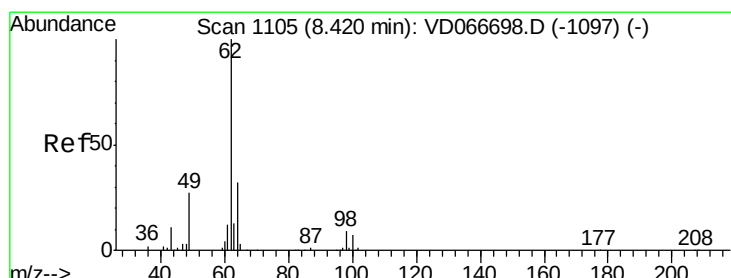
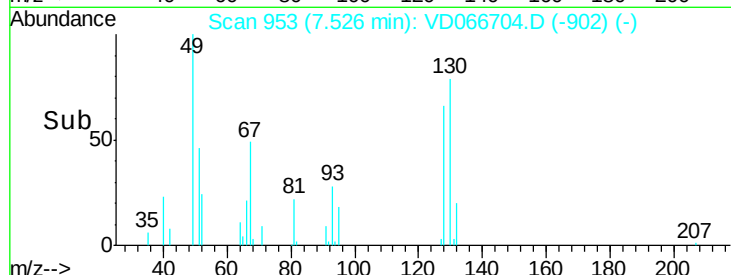
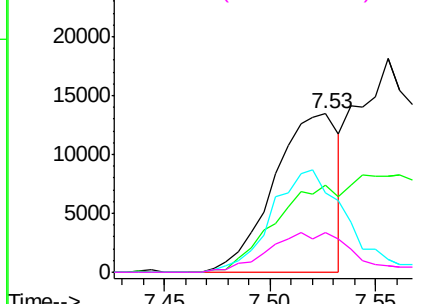


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.588 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VD066704.D

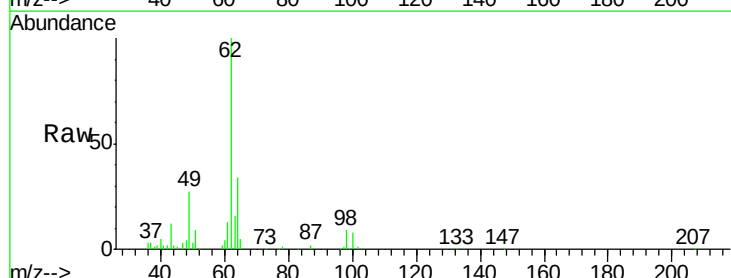
Acq: 15 Sep 2020 18:53

Tgt Ion: 62 Resp: 119793

Ion Ratio Lower Upper

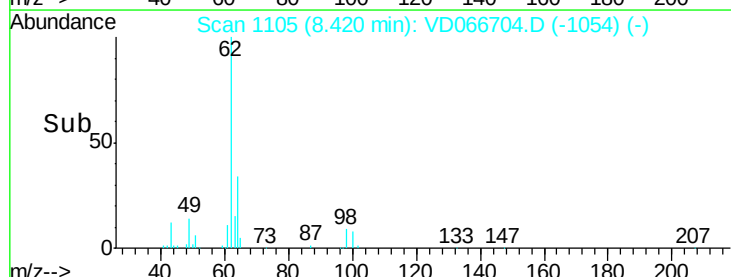
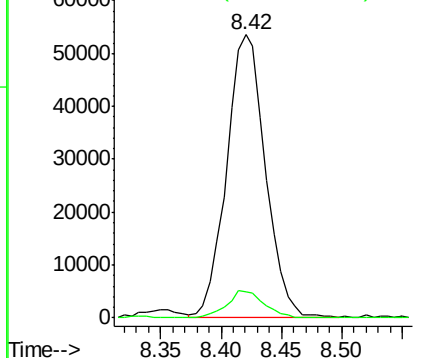
62 100

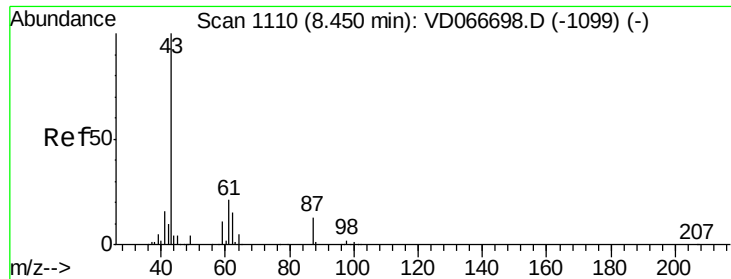
98 9.1 0.0 17.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 19.643 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066704.D

Acq: 15 Sep 2020 18:53

Instrument :

MSVOA_D

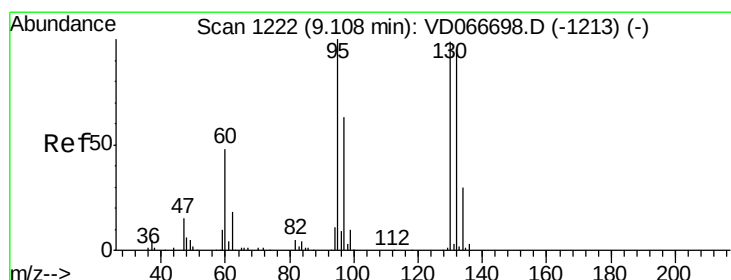
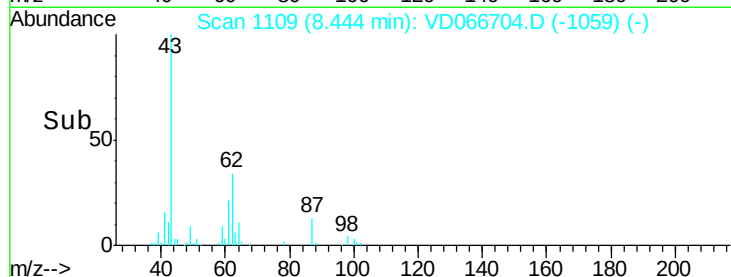
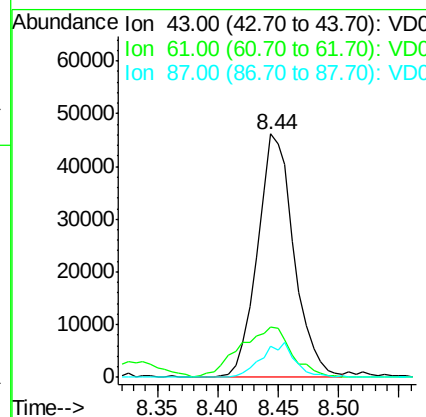
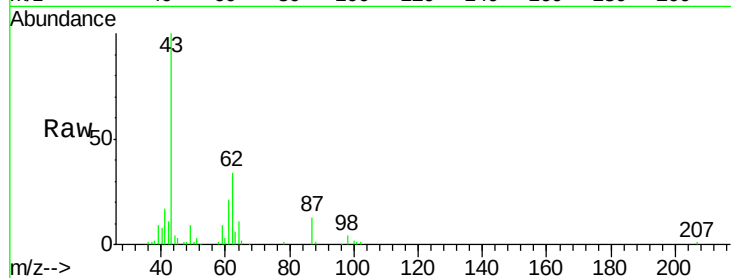
ClientSampleId :

VD0915SBS01

Tot Ion:	43	Resp:	97164
Ion	Ratio	Lower	Upper
43	100		
61	29.4	24.8	37.2
87	13.2	10.4	15.6

Manual Integrations
APPROVED

MMDadoda
9/16/2020 11:44:28 AM



#44

Trichloroethene

Concen: 19.954 ug/l

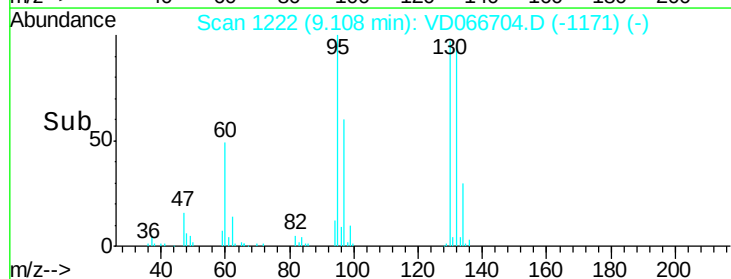
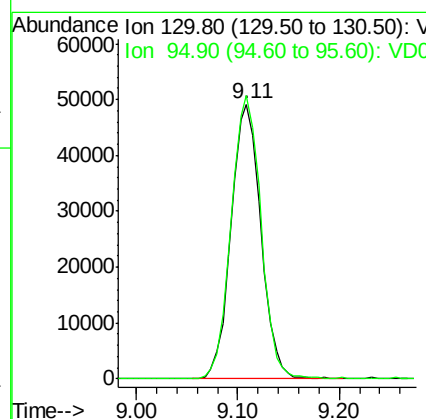
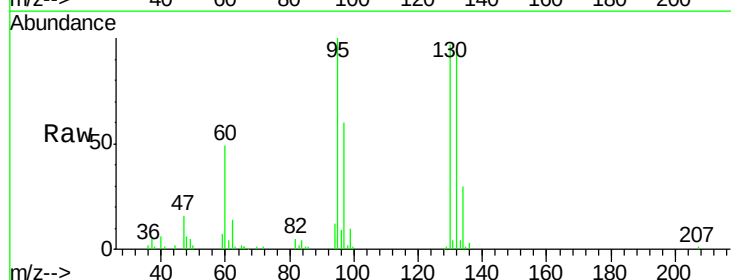
RT: 9.11 min Scan# 1222

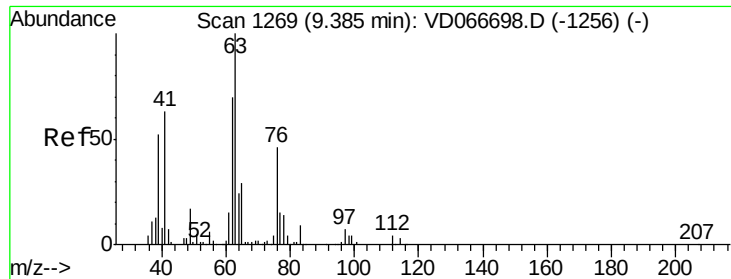
Delta R.T. 0.00 min

Lab File: VD066704.D

Acq: 15 Sep 2020 18:53

Tgt Ion:	130	Resp:	100200
Ion	Ratio	Lower	Upper
130	100		
95	103.0	0.0	201.4





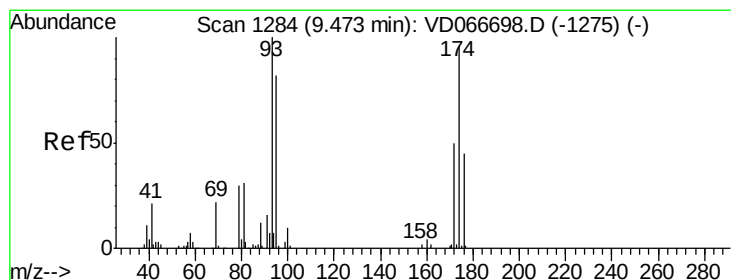
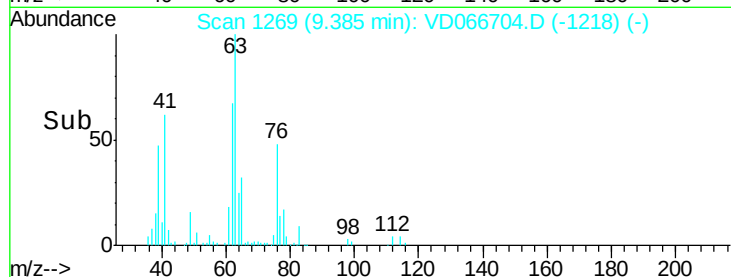
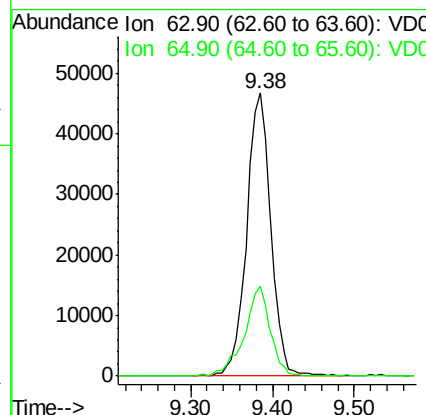
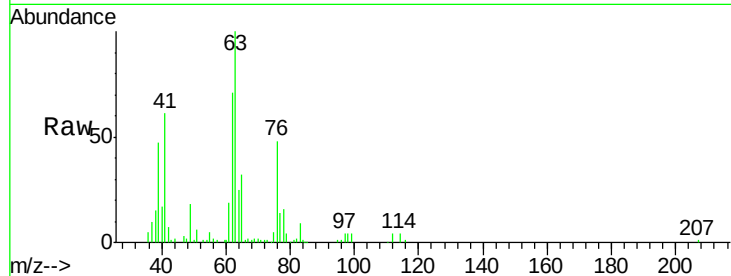
#45
 1,2-Dichloropropane
 Concen: 20.749 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD066704.D
 Acq: 15 Sep 2020 18:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0915SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	23.4	35.0

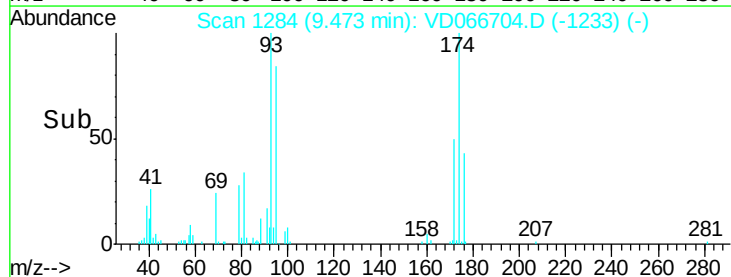
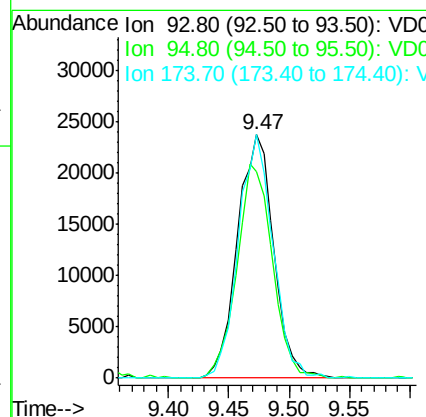
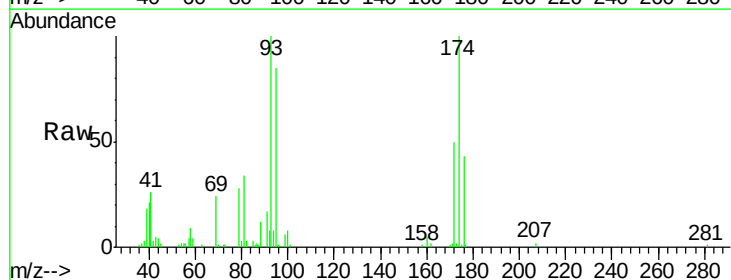
Manual Integrations
 APPROVED

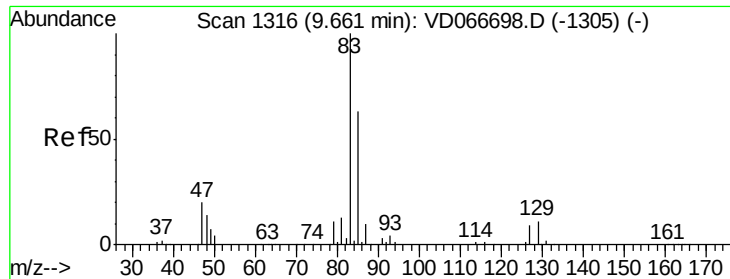
MMDadoda
 9/16/2020 11:44:28 AM



#46
 Dibromomethane
 Concen: 19.474 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VD066704.D
 Acq: 15 Sep 2020 18:53

Tgt Ion	Ratio	Lower	Upper
93	100		
95	86.0	66.0	99.0
174	95.3	72.3	108.5





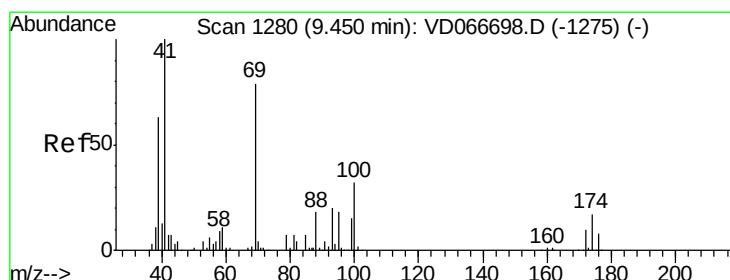
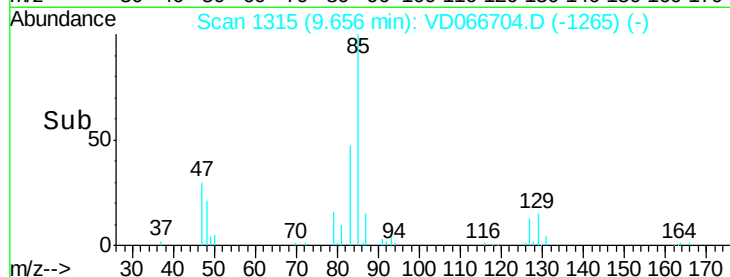
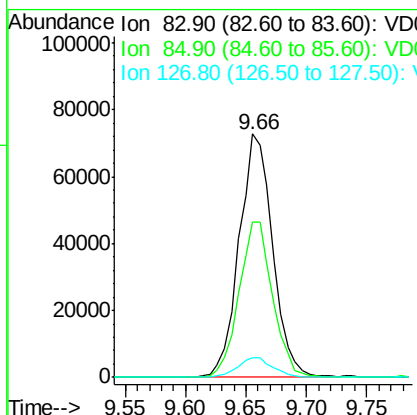
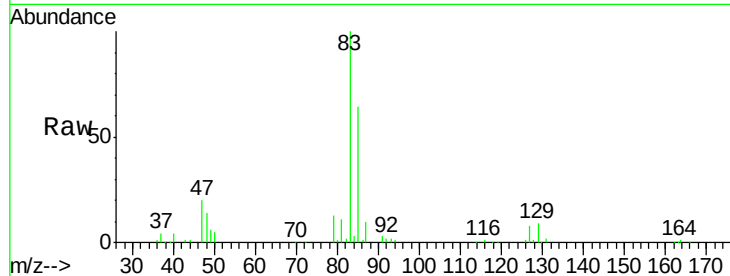
#47
Bromodichloromethane
Concen: 20.322 ug/l
RT: 9.66 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VD066704.D
Acq: 15 Sep 2020 18:53

Instrument :
MSVOA_D
ClientSampleId :
VD0915SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	141279		
85	63.7	50.1	75.1	
127	8.0	6.9	10.3	

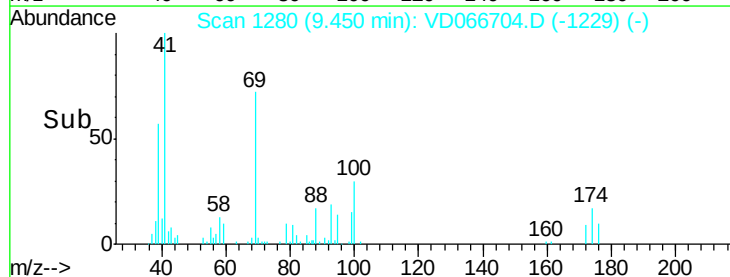
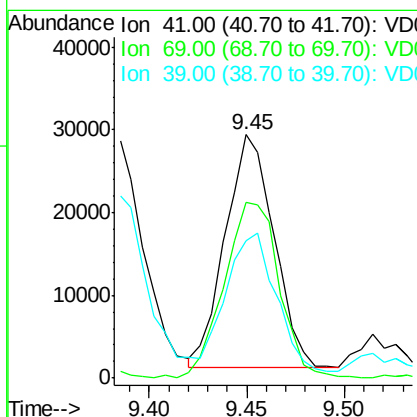
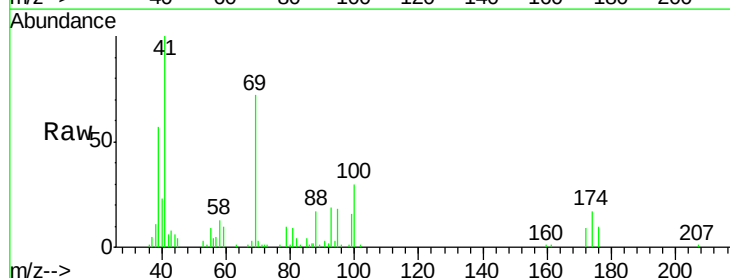
Manual Integrations
APPROVED

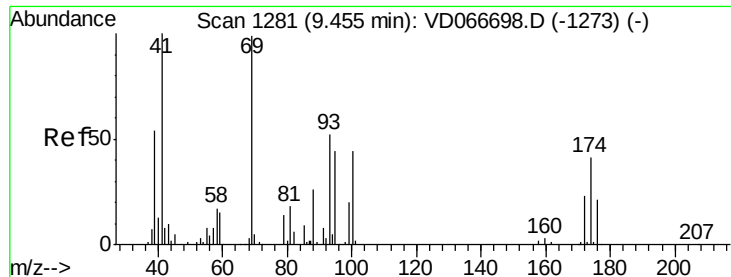
MMDadoda
9/16/2020 11:44:28 AM



#48
Methyl methacrylate
Concen: 19.255 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. 0.00 min
Lab File: VD066704.D
Acq: 15 Sep 2020 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	48446		
69	85.9	62.4	93.6	
39	60.8	44.8	67.2	





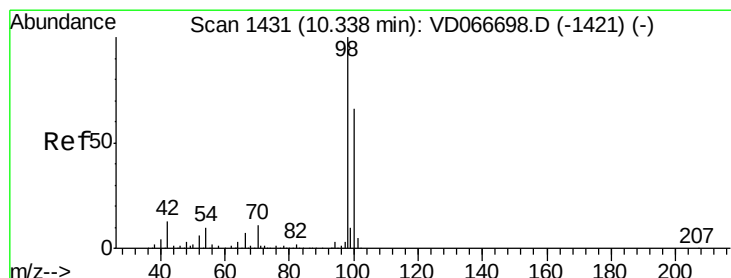
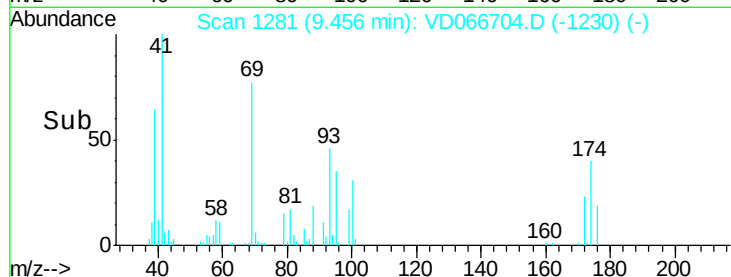
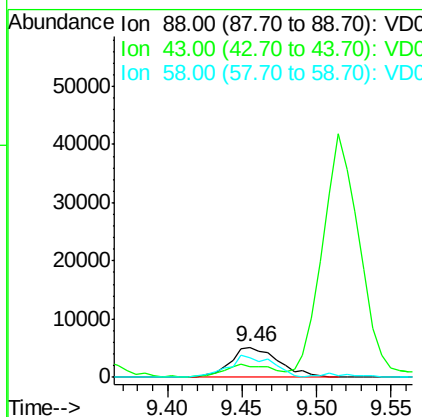
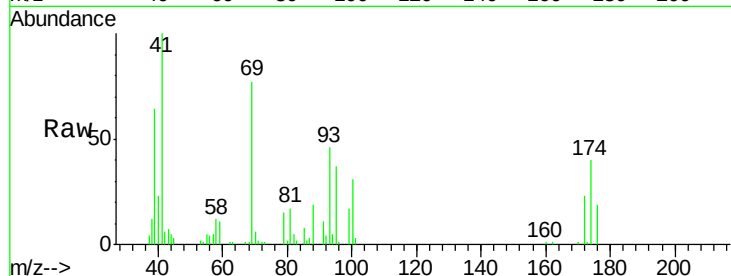
#49
1,4-Dioxane
Concen: 420.643 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD066704.D
Acq: 15 Sep 2020 18:53

Instrument :
MSVOA_D
ClientSampleId :
VD0915SBS01

Tot Ion	88	Resp	11496
Ion Ratio	Lower	Upper	
88	100		
43	43.5	29.3	43.9
58	67.9	51.4	77.2

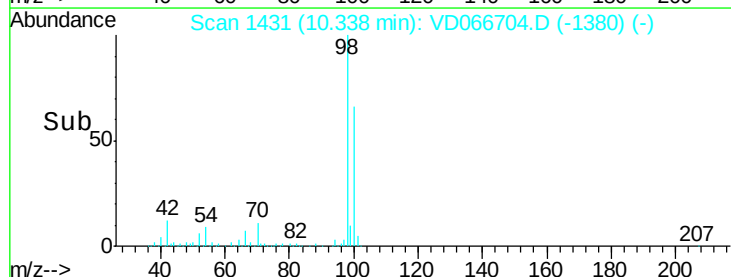
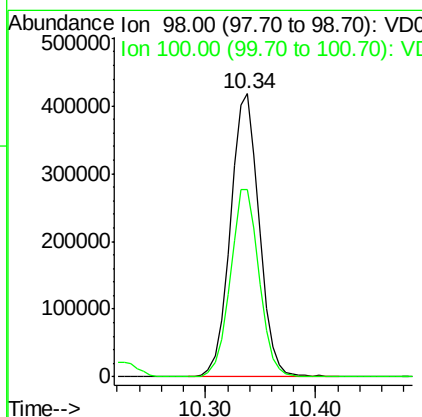
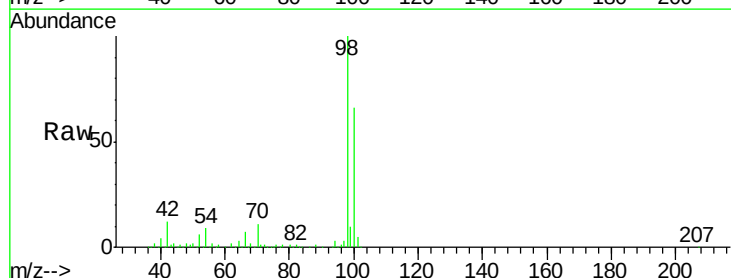
Manual Integrations
APPROVED

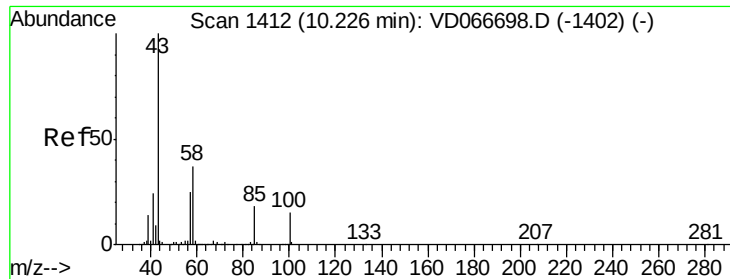
MMDadoda
9/16/2020 11:44:28 AM



#50
Toluene-d8
Concen: 51.774 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066704.D
Acq: 15 Sep 2020 18:53

Tgt Ion	98	Resp	763585
Ion Ratio	Lower	Upper	
98	100		
100	66.7	52.7	79.1





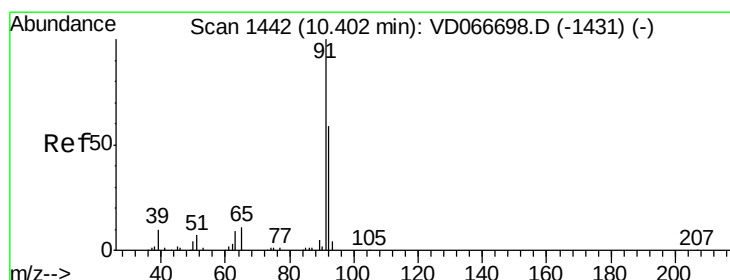
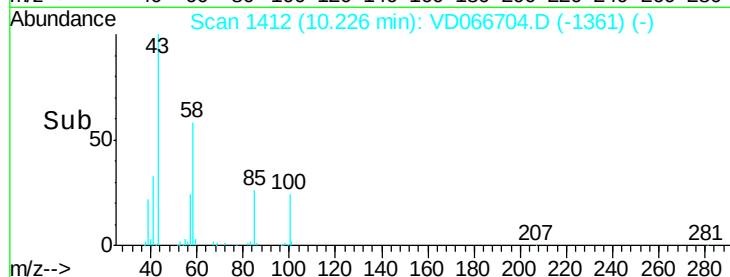
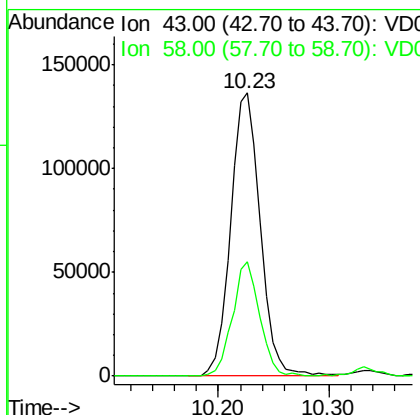
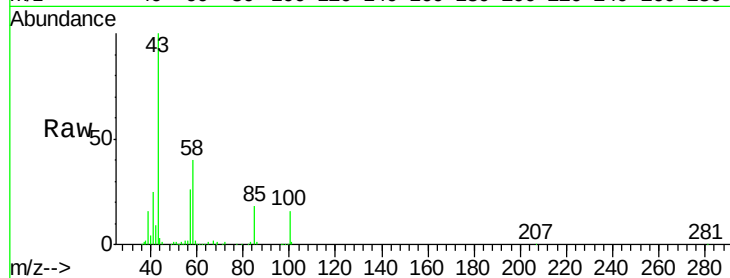
#51
 4-Methyl-2-Pentanone
 Concen: 100.591 ug/l
 RT: 10.23 min Scan# 1412
 Delta R.T. 0.00 min
 Lab File: VD066704.D
 Acq: 15 Sep 2020 18:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0915SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.5	30.4	45.6

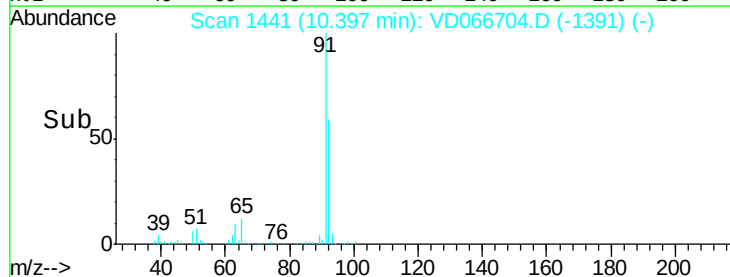
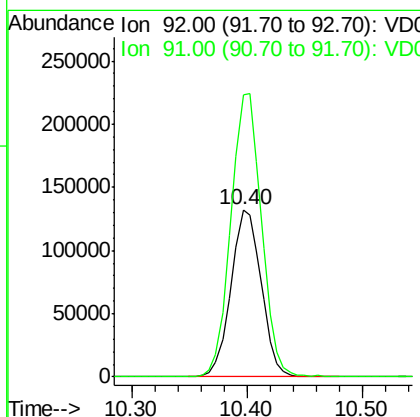
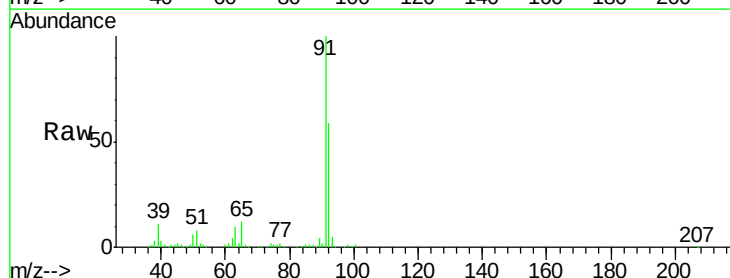
Manual Integrations
 APPROVED

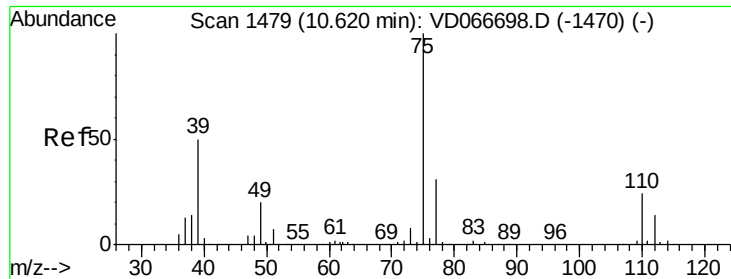
MMDadoda
 9/16/2020 11:44:28 AM



#52
 Toluene
 Concen: 19.974 ug/l
 RT: 10.40 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: VD066704.D
 Acq: 15 Sep 2020 18:53

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.1	135.8	203.8





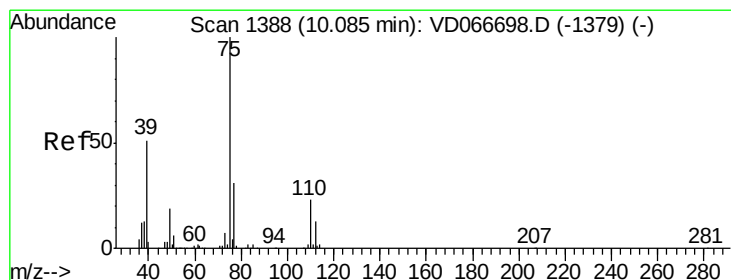
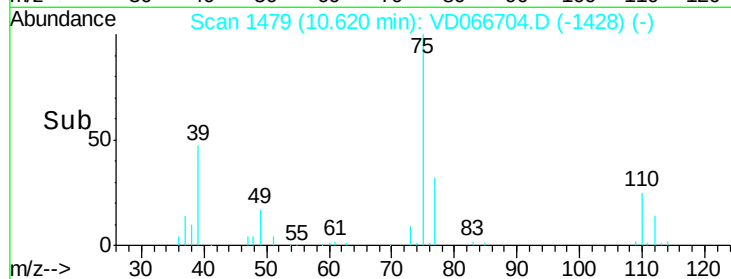
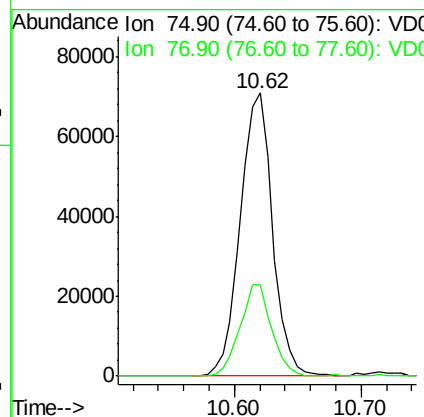
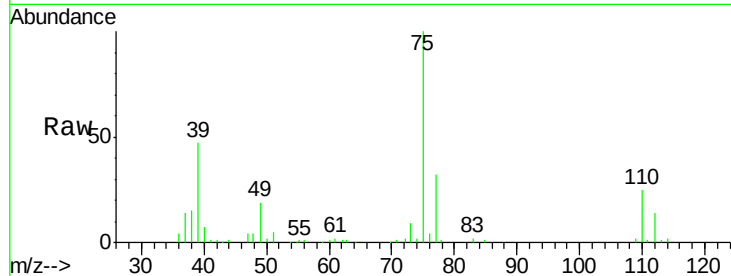
#53
 t-1,3-Dichloropropene
 Concen: 20.105 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD066704.D
 Acq: 15 Sep 2020 18:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0915SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	24.6	36.8

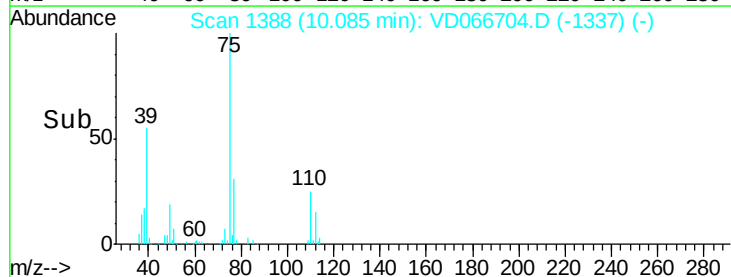
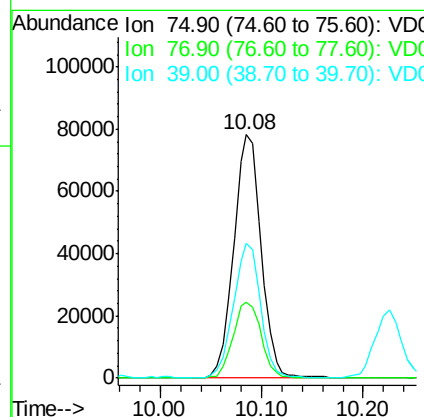
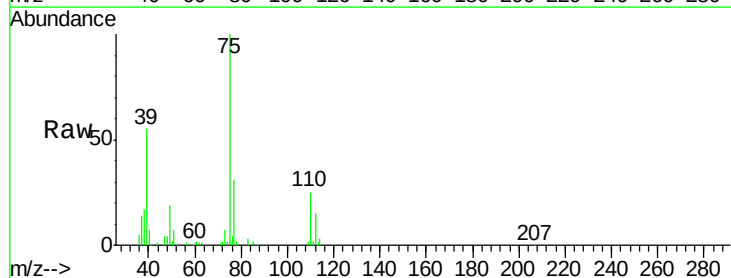
Manual Integrations
 APPROVED

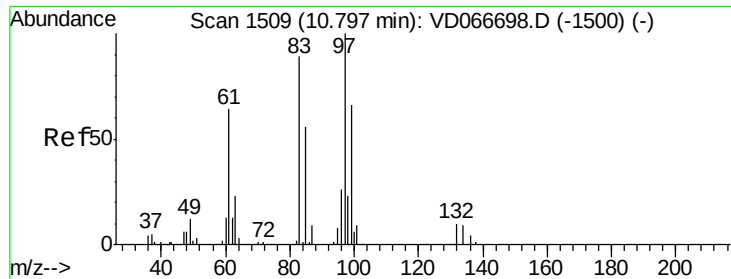
MMDadoda
 9/16/2020 11:44:28 AM



#54
 cis-1,3-Dichloropropene
 Concen: 19.859 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD066704.D
 Acq: 15 Sep 2020 18:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.0	37.6
39	55.0	40.6	61.0





#55

1,1,2-Trichloroethane

Concen: 20.581 ug/l

RT: 10.80 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VD066704.D

Acq: 15 Sep 2020 18:53

Instrument :

MSVOA_D

ClientSampleId :

VD0915SBS01

Tot Ion: 97 Resp: 69232

Ion Ratio Lower Upper

97 100

83 90.6 71.4 107.2

85 52.6 44.7 67.1

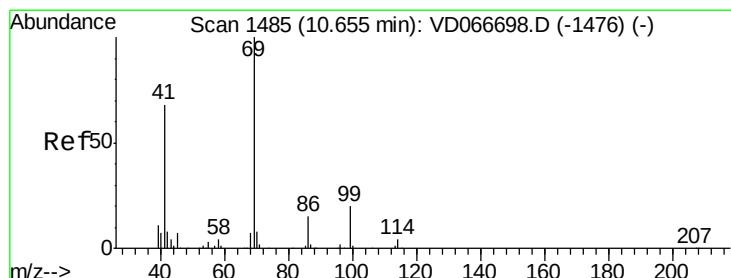
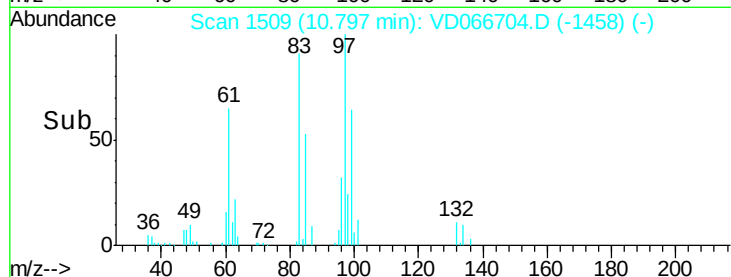
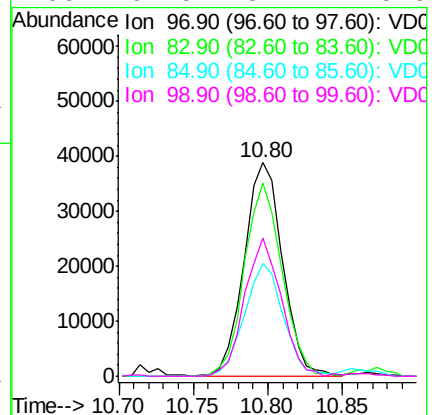
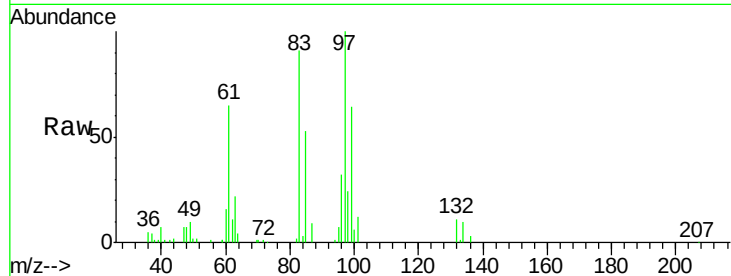
99 64.5 52.4 78.6

Manual Integrations

APPROVED

MMDadoda

9/16/2020 11:44:28 AM



#56

Ethyl methacrylate

Concen: 20.204 ug/l

RT: 10.66 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VD066704.D

Acq: 15 Sep 2020 18:53

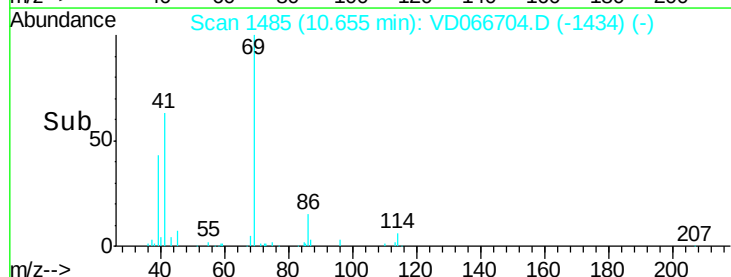
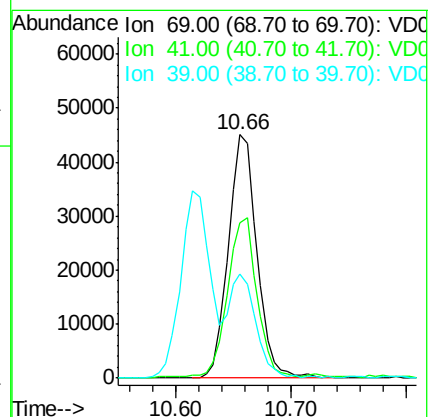
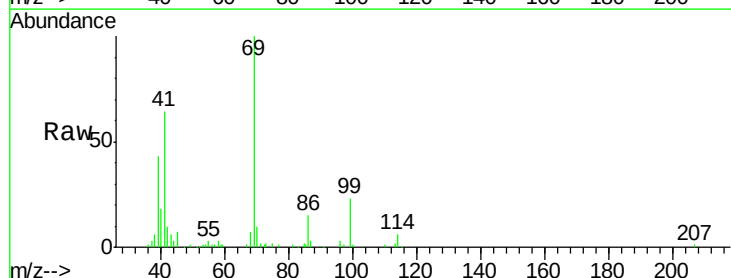
Tgt Ion: 69 Resp: 77125

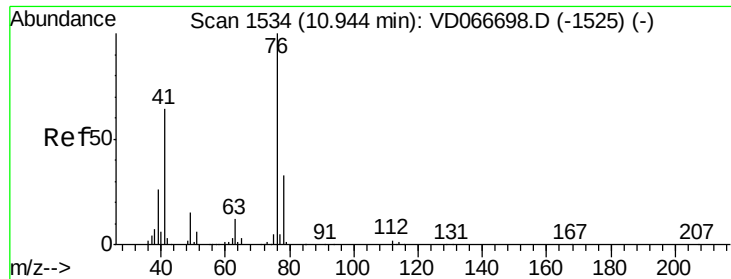
Ion Ratio Lower Upper

69 100

41 68.8 55.5 83.3

39 40.5 29.7 44.5





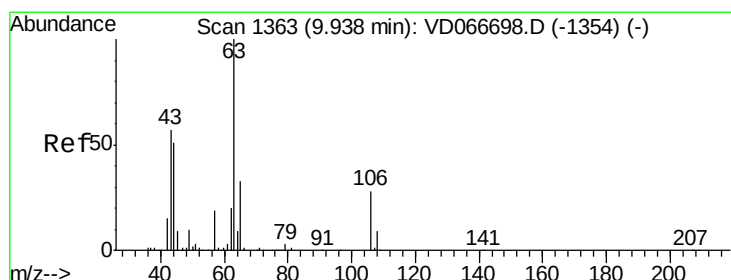
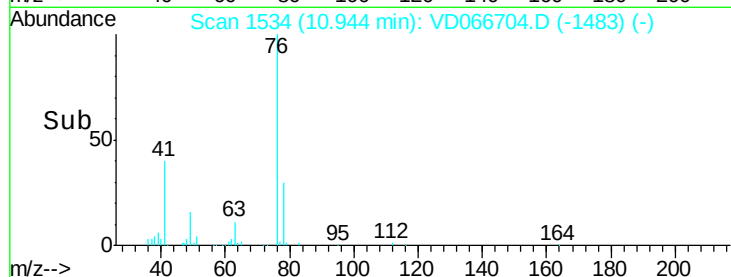
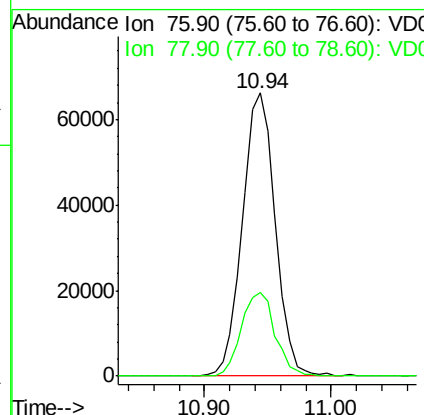
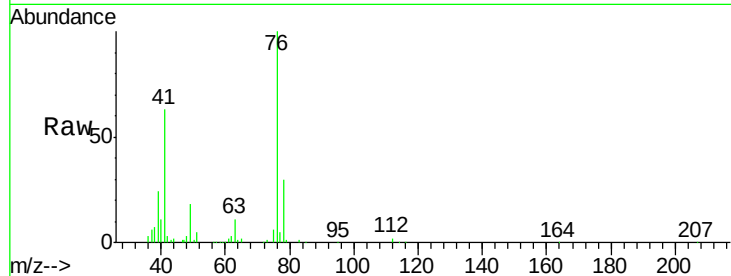
#57
 1,3-Dichloropropane
 Concen: 20.165 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD066704.D
 Acq: 15 Sep 2020 18:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0915SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	30.6	26.2	39.2

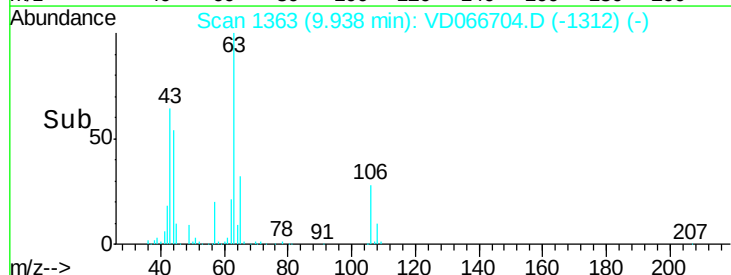
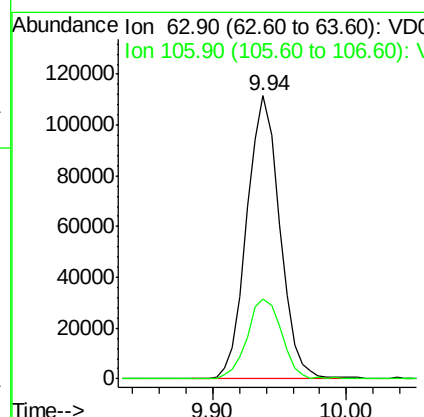
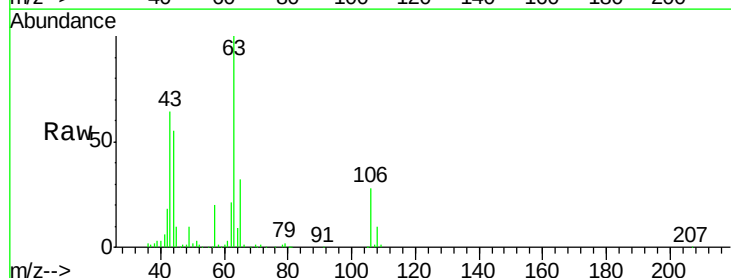
Manual Integrations
 APPROVED

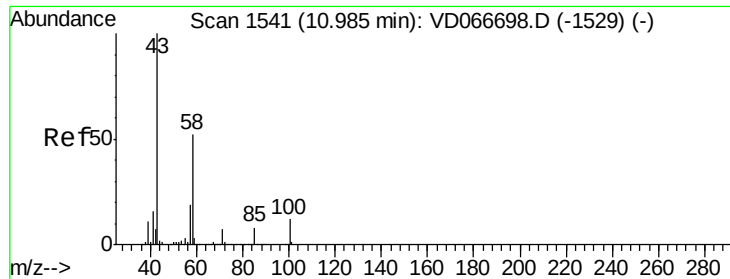
MMDadoda
 9/16/2020 11:44:28 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 113.475 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066704.D
 Acq: 15 Sep 2020 18:53

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.5	22.2	33.4





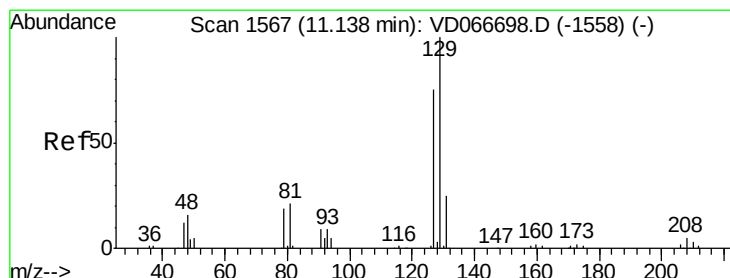
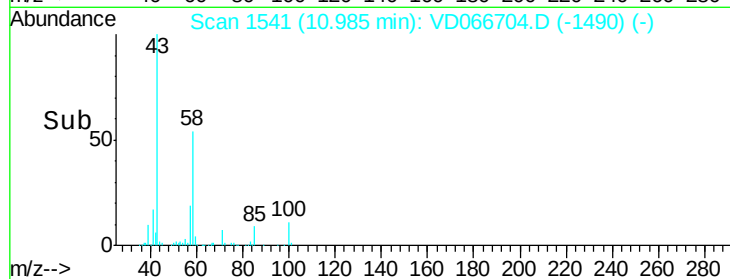
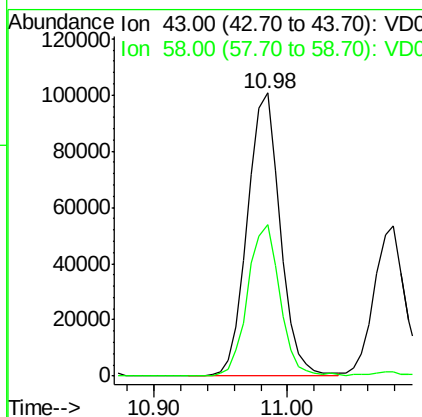
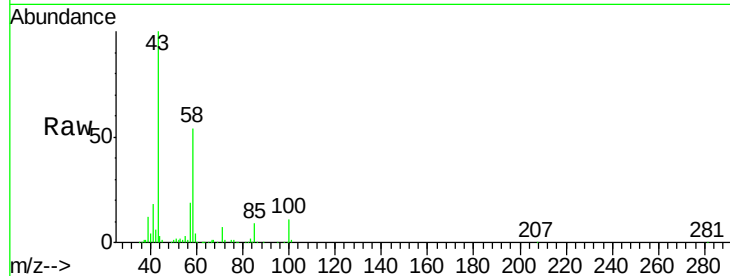
#59
2-Hexanone
Concen: 99.682 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066704.D
Acq: 15 Sep 2020 18:53

Instrument :
MSVOA_D
ClientSampleId :
VD0915SBS01

Tot Ion: 43 Resp: 170569
Ion Ratio Lower Upper
43 100
58 52.7 26.2 78.5

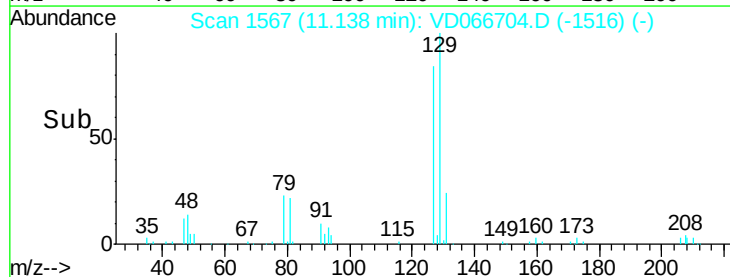
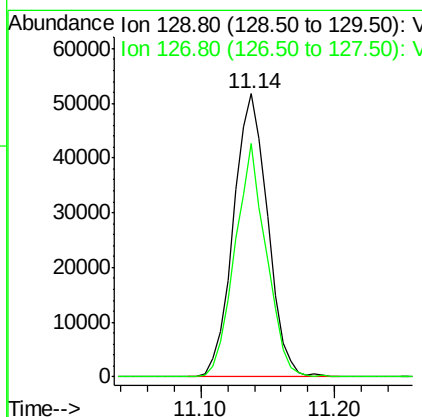
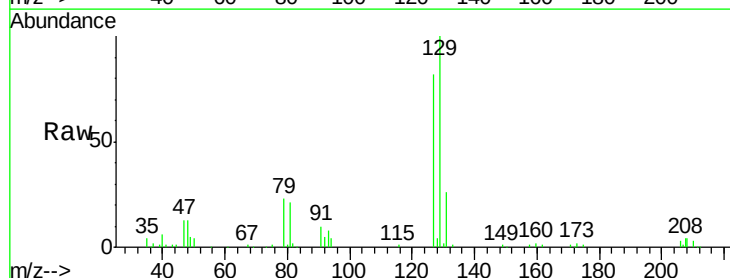
Manual Integrations
APPROVED

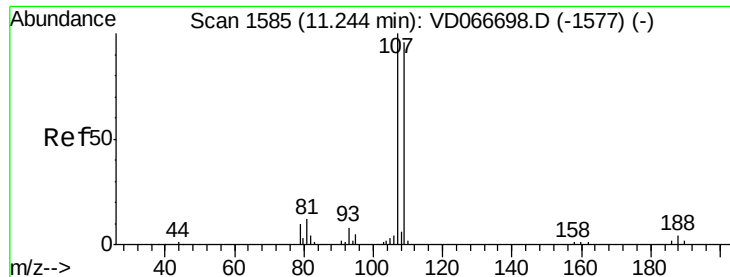
MMDadoda
9/16/2020 11:44:28 AM



#60
Dibromochloromethane
Concen: 20.973 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066704.D
Acq: 15 Sep 2020 18:53

Tgt Ion: 129 Resp: 91924
Ion Ratio Lower Upper
129 100
127 75.6 38.1 114.3





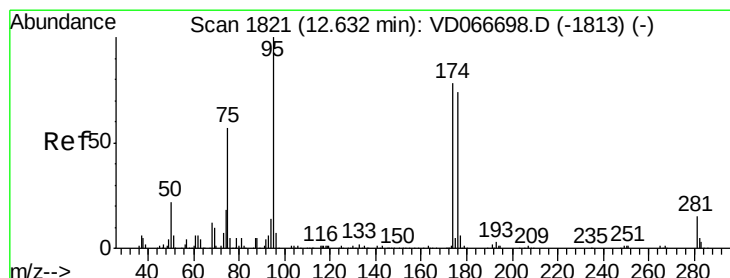
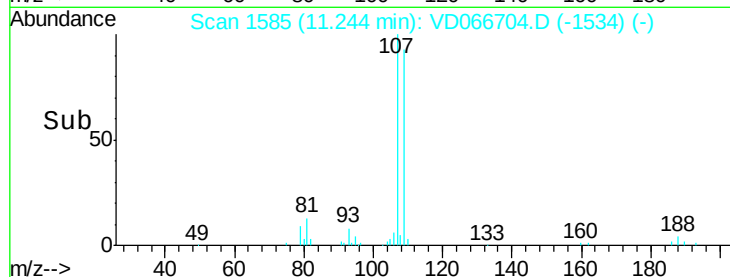
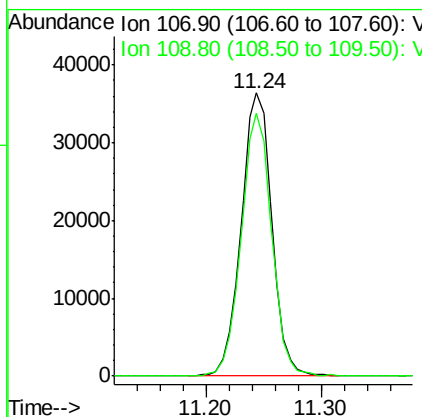
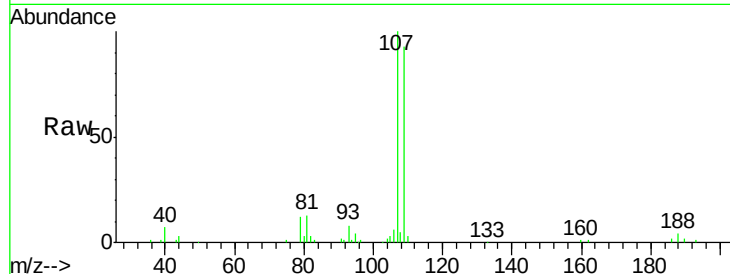
#61
 1,2-Dibromoethane
 Concen: 20.766 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD066704.D
 Acq: 15 Sep 2020 18:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0915SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.1	75.6	113.4

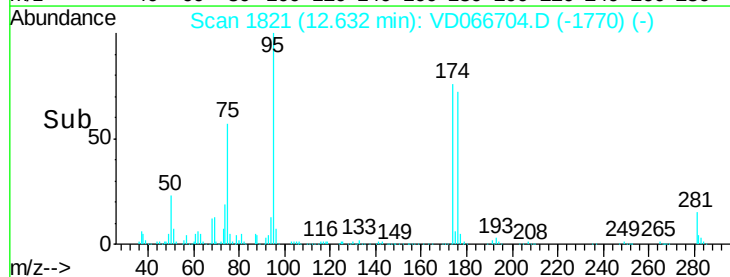
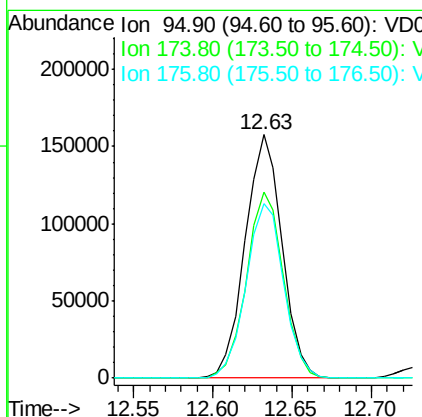
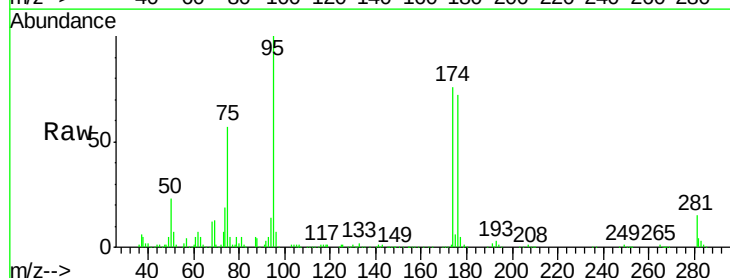
Manual Integrations
 APPROVED

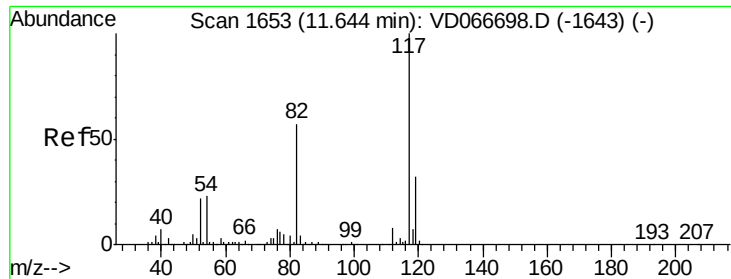
MMDadoda
 9/16/2020 11:44:28 AM



#62
 4-Bromofluorobenzene
 Concen: 50.084 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD066704.D
 Acq: 15 Sep 2020 18:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.2	0.0	156.6
176	73.4	0.0	150.2





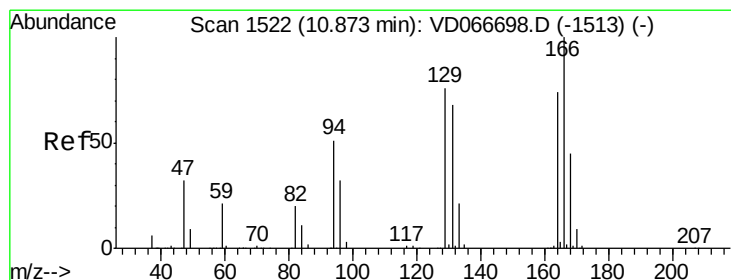
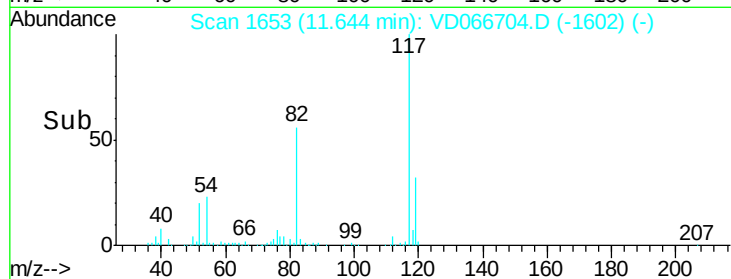
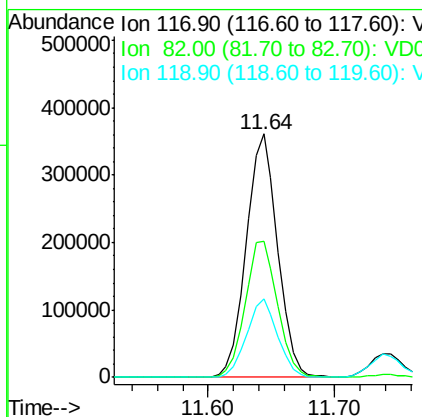
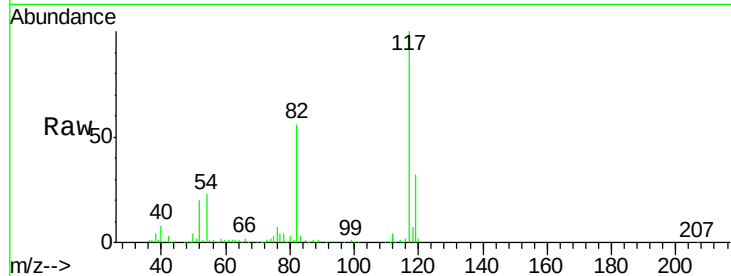
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066704.D
Acq: 15 Sep 2020 18:53

Instrument :
MSVOA_D
ClientSampleId :
VD0915SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	620500		
82	56.1		45.4	68.0
119	32.1		25.8	38.6

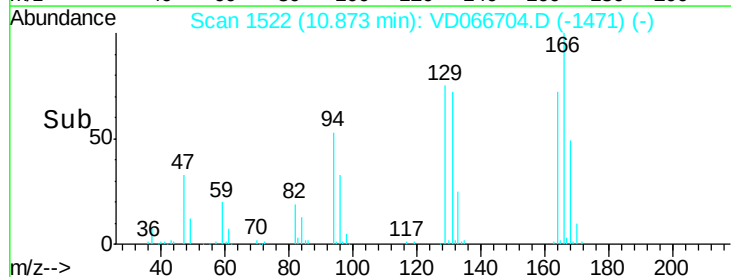
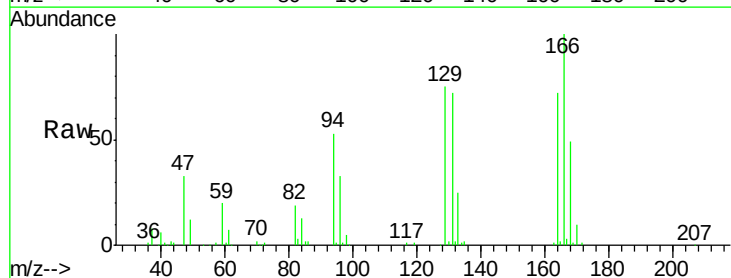
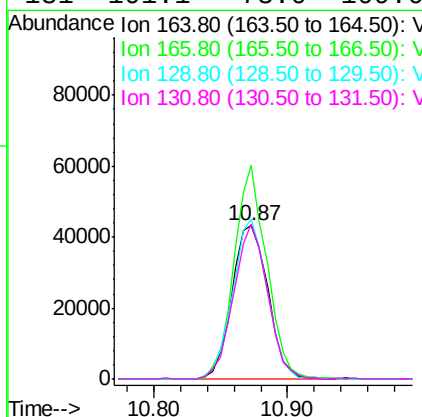
Manual Integrations
APPROVED

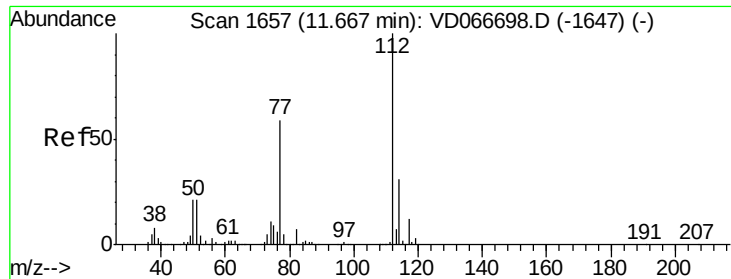
MMDadoda
9/16/2020 11:44:28 AM



#64
Tetrachloroethene
Concen: 19.108 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066704.D
Acq: 15 Sep 2020 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	80935		
166	139.5		107.5	161.3
129	104.8		81.4	122.0
131	101.1		73.0	109.6





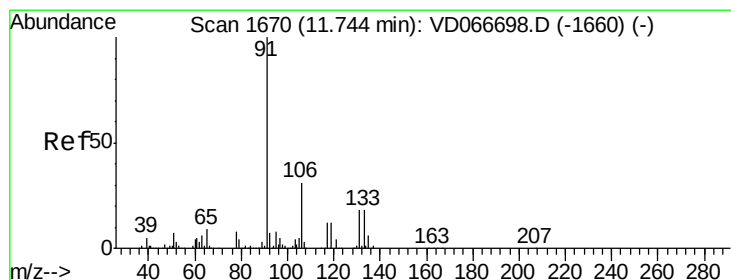
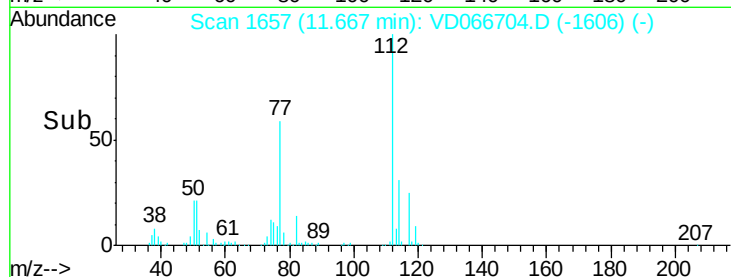
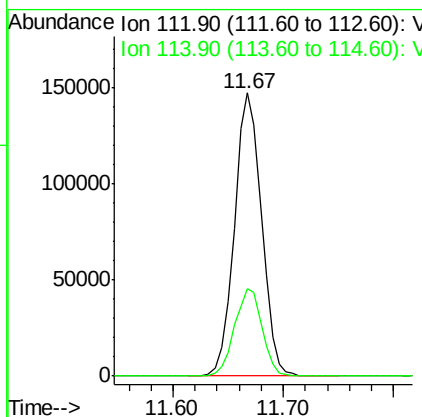
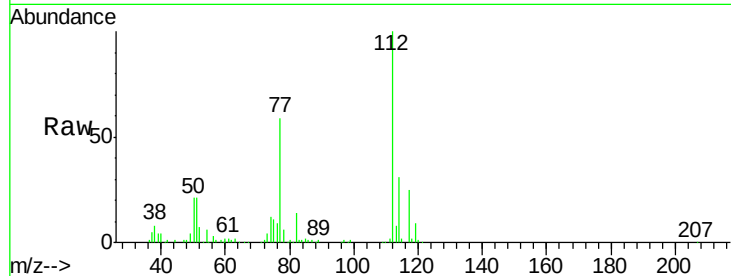
#65
Chlorobenzene
Concen: 19.701 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VD066704.D
Acq: 15 Sep 2020 18:53

Instrument :
MSVOA_D
ClientSampleId :
VD0915SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.0	25.0	37.6

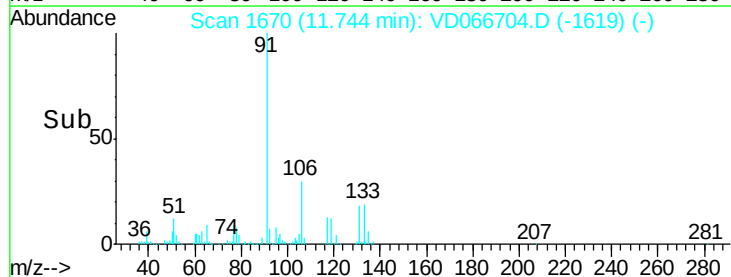
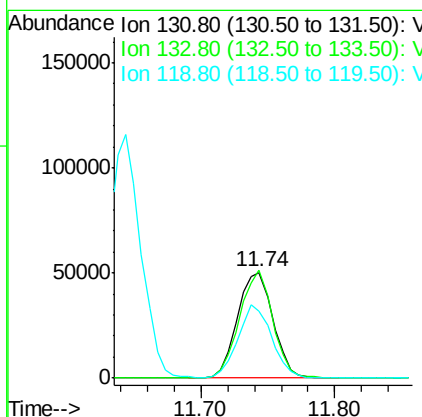
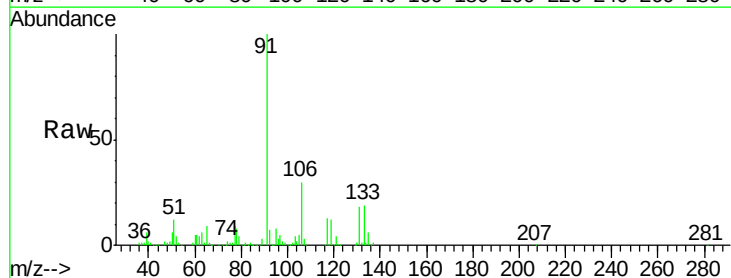
Manual Integrations
APPROVED

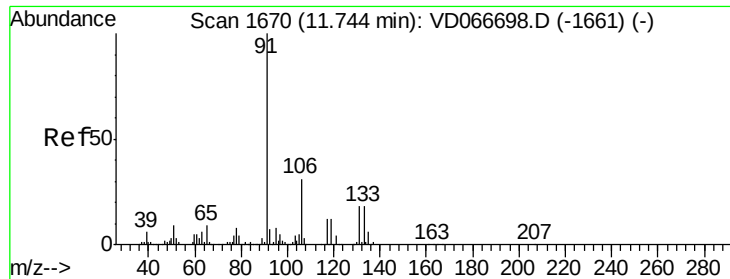
MMDadoda
9/16/2020 11:44:28 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.636 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066704.D
Acq: 15 Sep 2020 18:53

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.8	143.3
119	65.4	33.6	100.8





#67

Ethyl Benzene

Concen: 19.352 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066704.D

Acq: 15 Sep 2020 18:53

Instrument :

MSVOA_D

ClientSampleId :

VD0915SBS01

Tot Ion: 91 Resp: 450317

Ion Ratio Lower Upper

91 100

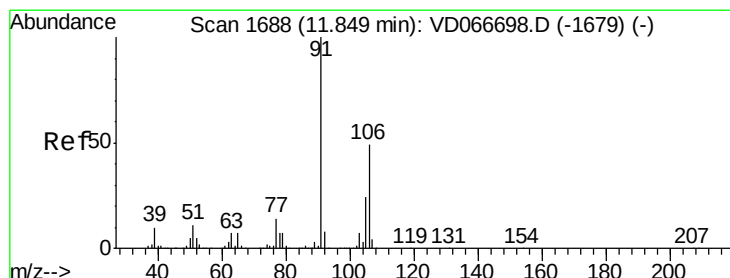
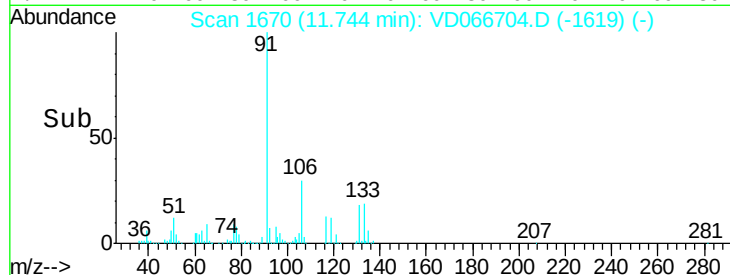
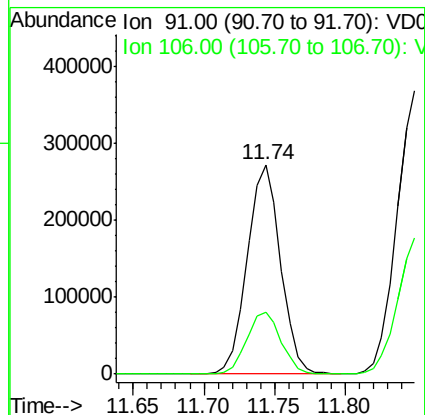
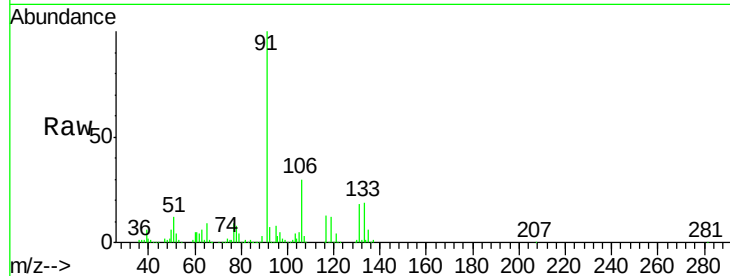
106 29.9 25.1 37.7

Manual Integrations

APPROVED

MMDadoda

9/16/2020 11:44:28 AM



#68

m/p-Xylenes

Concen: 38.940 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VD066704.D

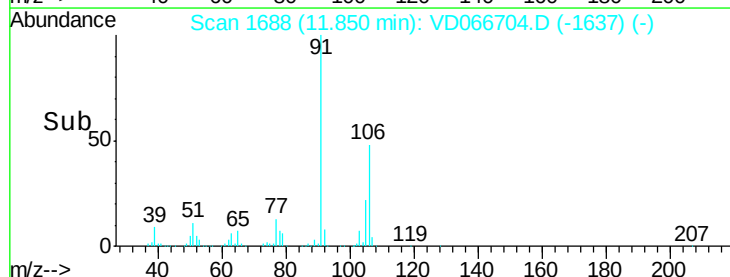
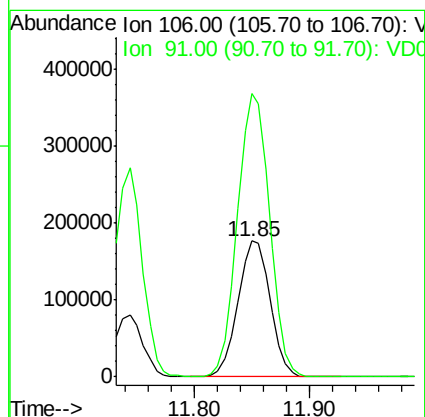
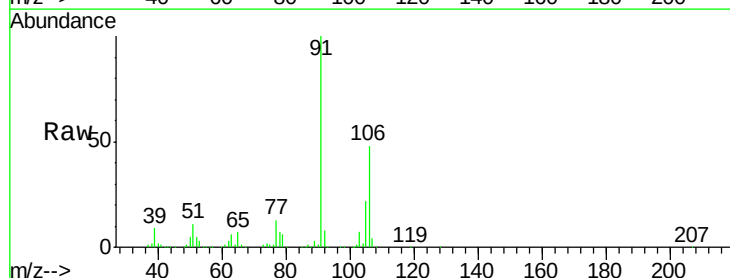
Acq: 15 Sep 2020 18:53

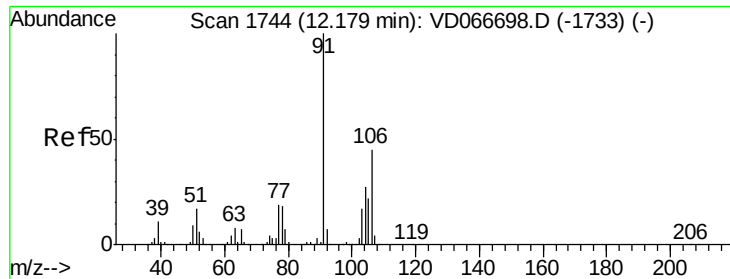
Tgt Ion: 106 Resp: 342471

Ion Ratio Lower Upper

106 100

91 207.6 164.8 247.2





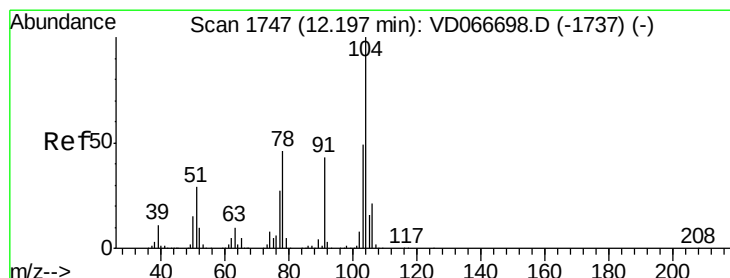
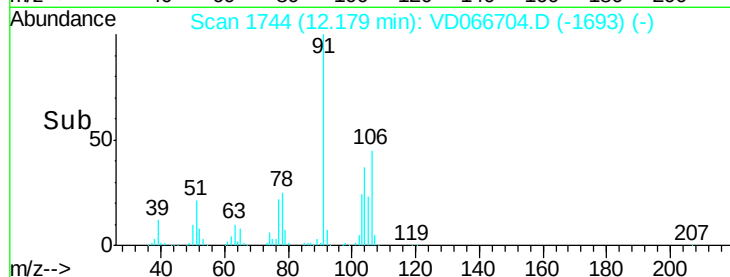
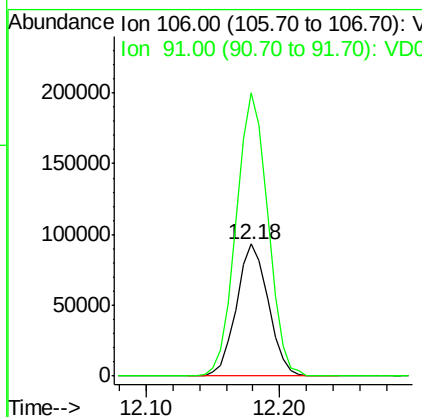
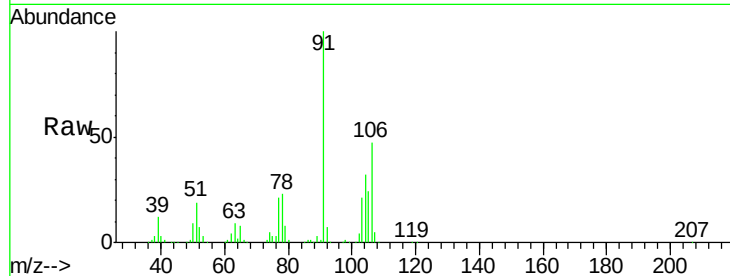
#69
o-Xylene
Concen: 19.801 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066704.D
Acq: 15 Sep 2020 18:53

Instrument :
MSVOA_D
ClientSampleId :
VD0915SBS01

Tot Ion:106 Resp: 153890
Ion Ratio Lower Upper
106 100
91 214.6 109.4 328.2

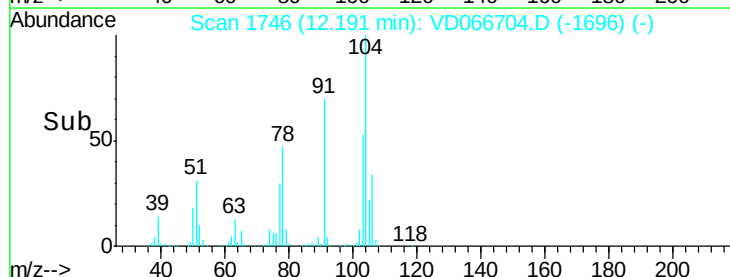
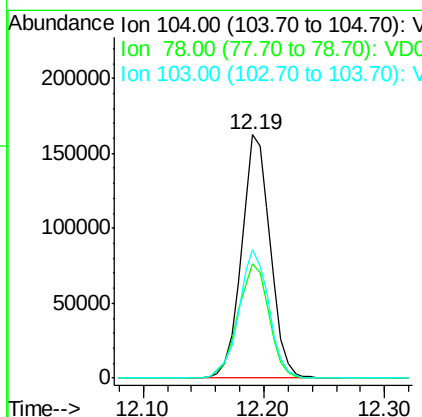
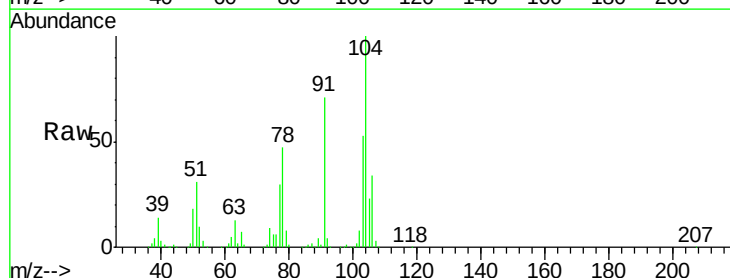
Manual Integrations
APPROVED

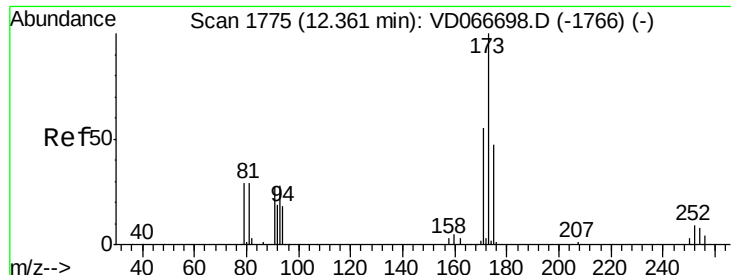
MMDadoda
9/16/2020 11:44:28 AM



#70
Styrene
Concen: 19.628 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066704.D
Acq: 15 Sep 2020 18:53

Tgt Ion:104 Resp: 268495
Ion Ratio Lower Upper
104 100
78 51.0 40.2 60.4
103 55.5 42.5 63.7





#71

Bromoform

Concen: 19.172 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066704.D

Acq: 15 Sep 2020 18:53

Instrument :

MSVOA_D

ClientSampleId :

VD0915SBS01

Tot Ion:173 Resp: 45608

Ion Ratio Lower Upper

173 100

175 49.2 24.3 72.8

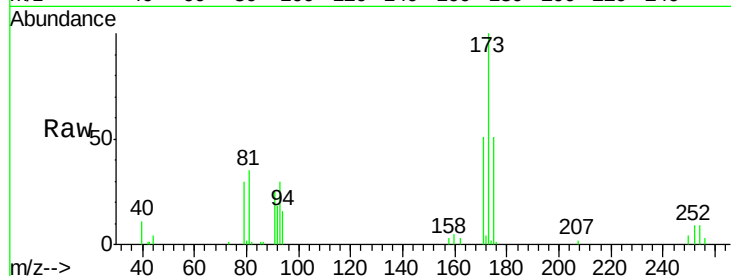
254 0.0 0.1 0.1#

Manual Integrations

APPROVED

MMDadoda

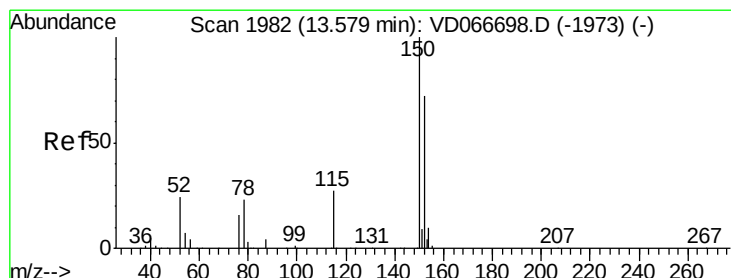
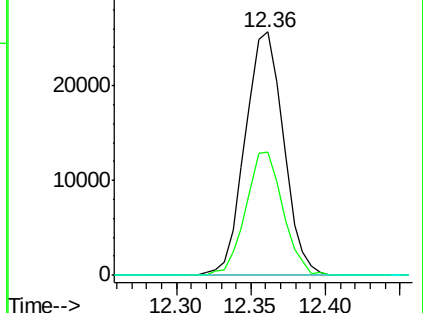
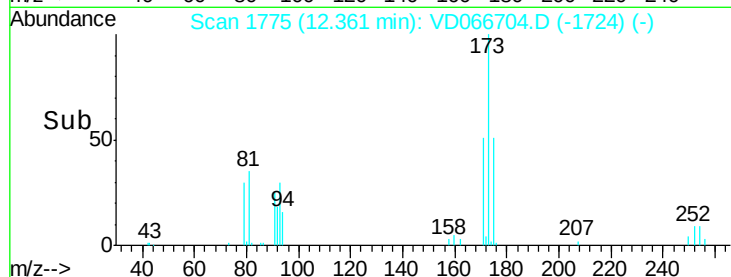
9/16/2020 11:44:28 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066704.D

Acq: 15 Sep 2020 18:53

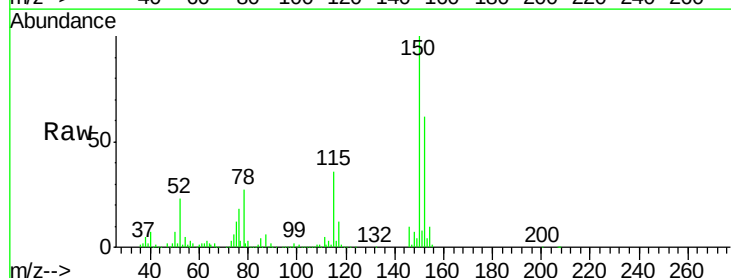
Tgt Ion:152 Resp: 281336

Ion Ratio Lower Upper

152 100

115 63.1 30.5 91.5

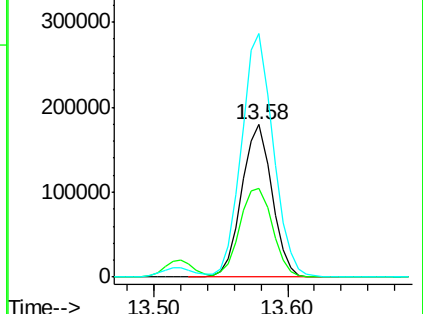
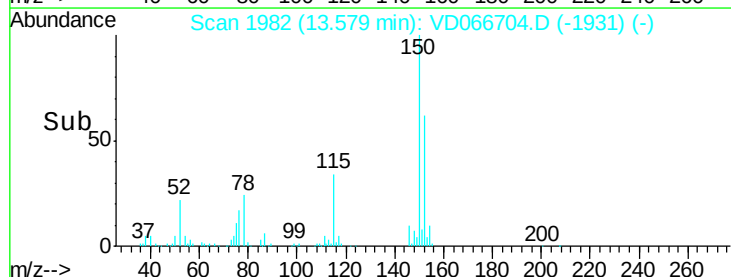
150 166.9 0.0 344.6

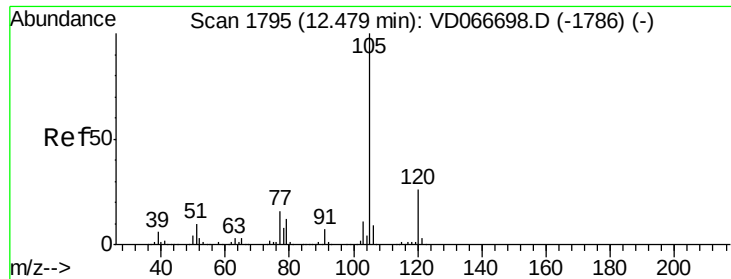


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.175 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066704.D

Acq: 15 Sep 2020 18:53

Instrument :

MSVOA_D

ClientSampleId :

VD0915SBS01

Tot Ion:105 Resp: 423734

Ion Ratio Lower Upper

105 100

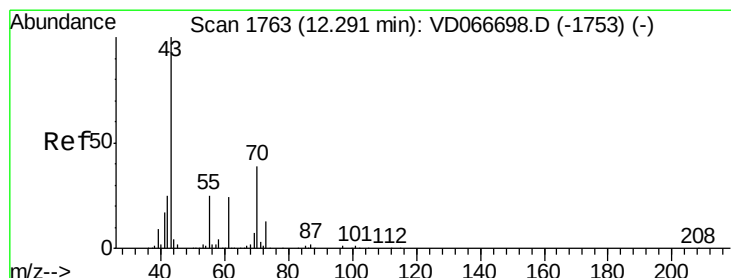
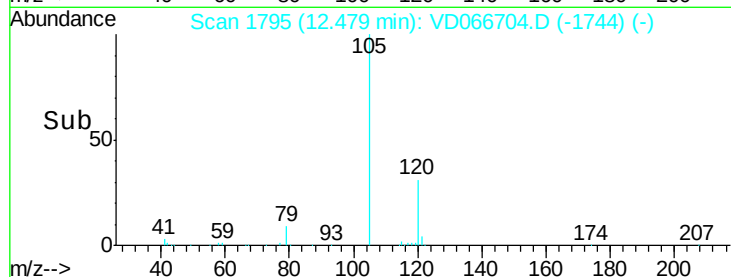
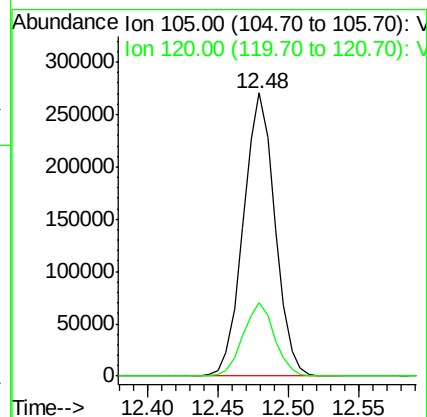
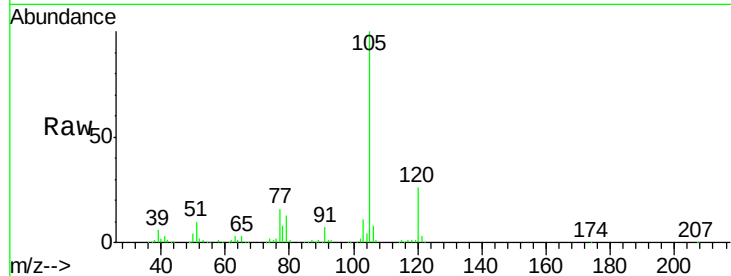
120 26.0 13.1 39.1

Manual Integrations

APPROVED

MMDadoda

9/16/2020 11:44:28 AM



#74

N-ethyl acetate

Concen: 19.932 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066704.D

Acq: 15 Sep 2020 18:53

Tgt Ion: 43 Resp: 88304

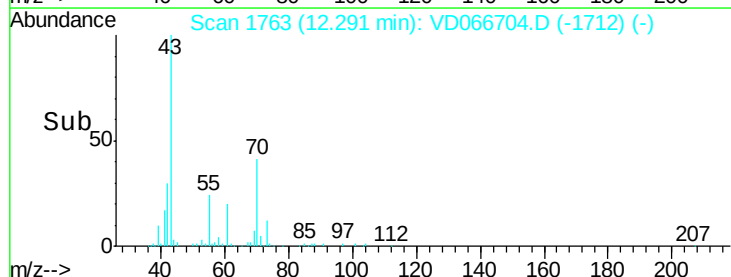
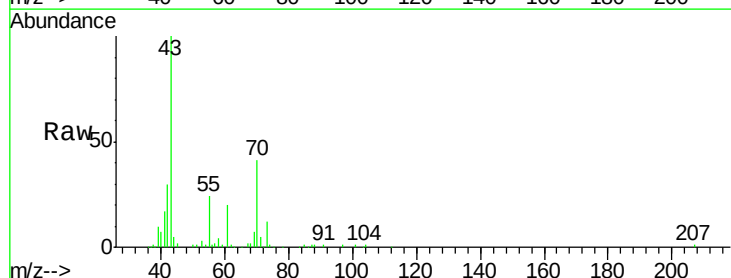
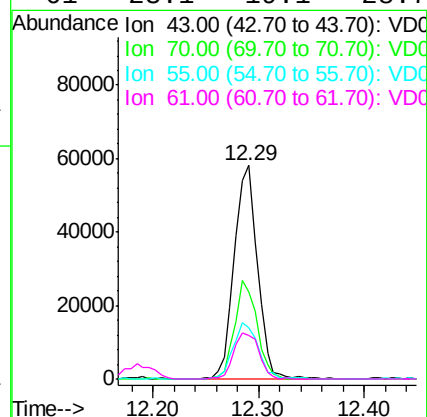
Ion Ratio Lower Upper

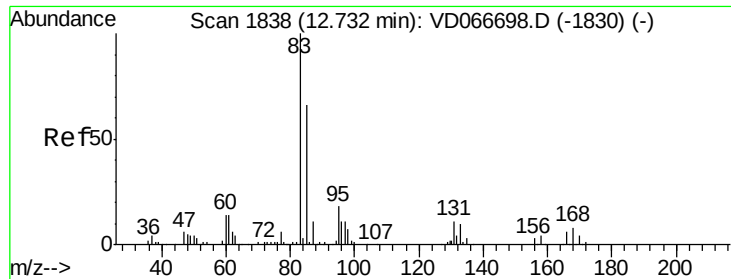
43 100

70 43.9 33.0 49.4

55 28.1 20.6 30.8

61 23.1 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 21.287 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066704.D

Acq: 15 Sep 2020 18:53

Instrument :

MSVOA_D

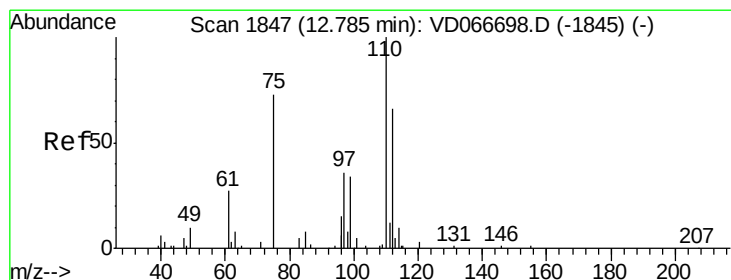
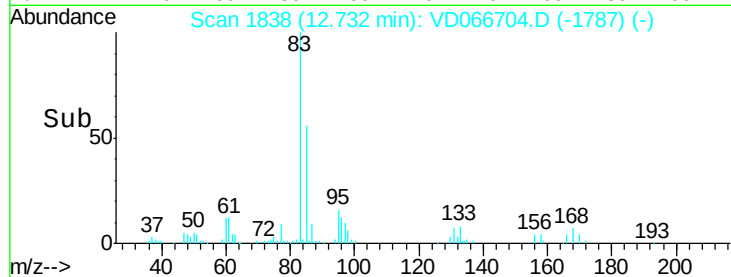
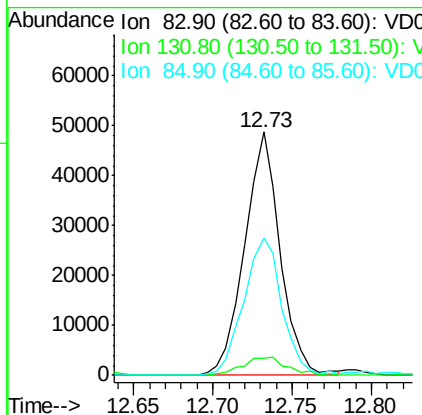
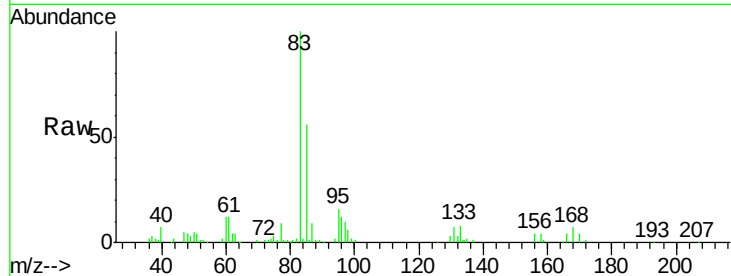
ClientSampleId :

VD0915SBS01

Tot Ion:	83	Resp:	75971
Ion Ratio	Lower	Upper	
83	100		
131	9.5	5.8	17.3
85	60.6	33.3	99.8

Manual Integrations
APPROVED

MMDadoda
9/16/2020 11:44:28 AM



#76

1,2,3-Trichloropropane

Concen: 18.749 ug/l m

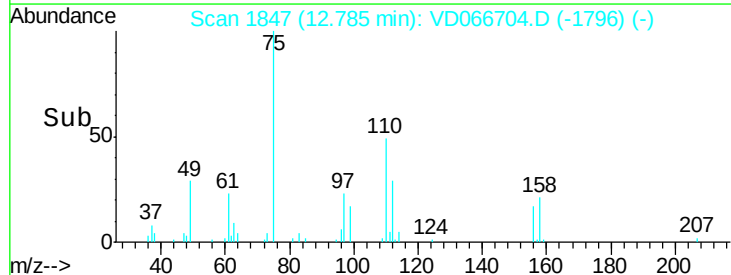
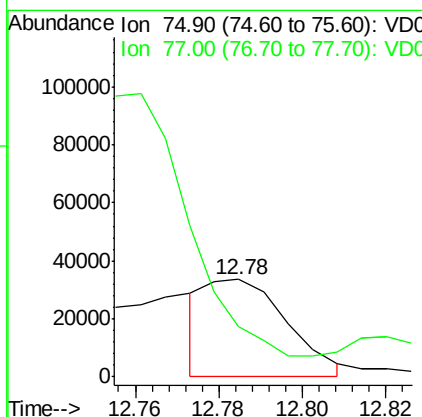
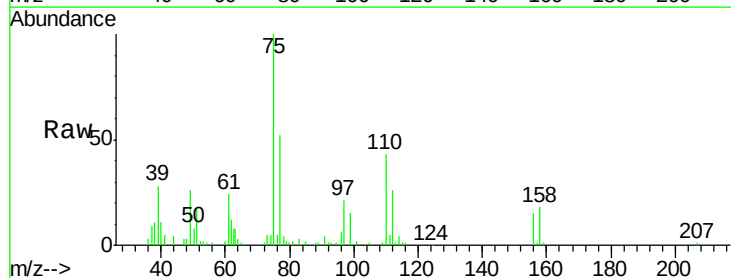
RT: 12.78 min Scan# 1847

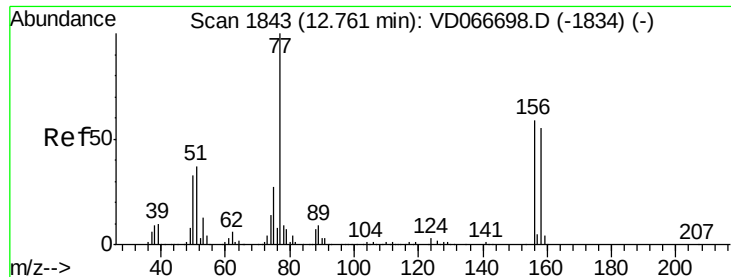
Delta R.T. 0.00 min

Lab File: VD066704.D

Acq: 15 Sep 2020 18:53

Tgt Ion:	75	Resp:	45151
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.929 ug/l

RT: 12.76 min Scan# 1842

Delta R.T. -0.01 min

Lab File: VD066704.D

Acq: 15 Sep 2020 18:53

Instrument :

MSVOA_D

ClientSampleId :

VD0915SBS01

Tot Ion:156 Resp: 96469

Ion Ratio Lower Upper

156 100

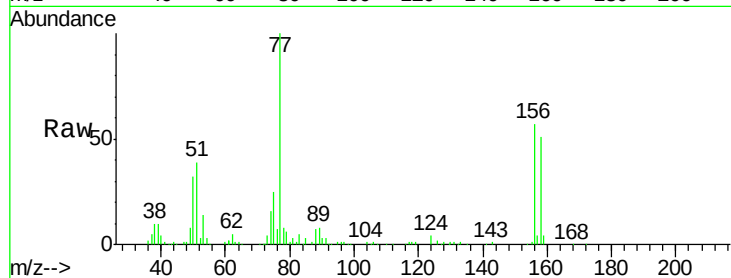
77 193.7 95.8 287.3

158 97.3 48.4 145.0

Manual Integrations
APPROVED

MMDadoda

9/16/2020 11:44:28 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V

120000

100000

80000

60000

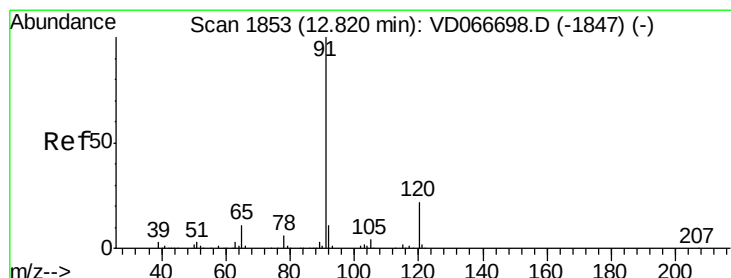
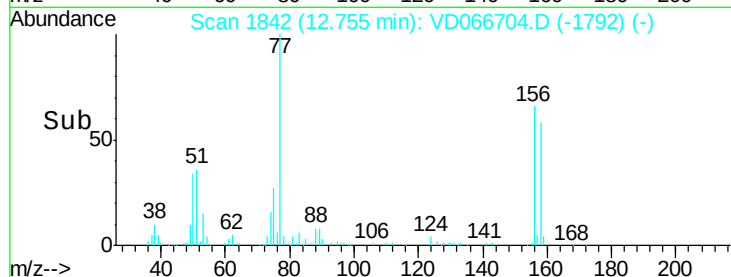
40000

20000

0

12.70 12.75 12.80

Time-->



#78

n-propylbenzene

Concen: 20.255 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066704.D

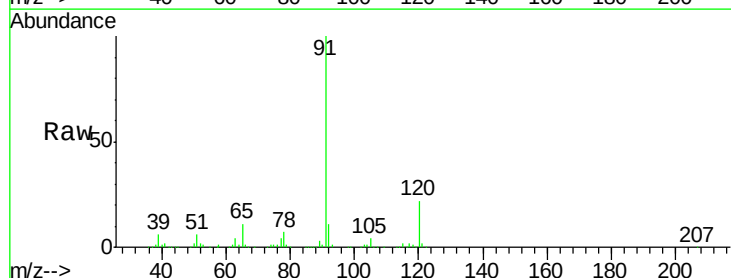
Acq: 15 Sep 2020 18:53

Tgt Ion: 91 Resp: 518571

Ion Ratio Lower Upper

91 100

120 21.9 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

300000

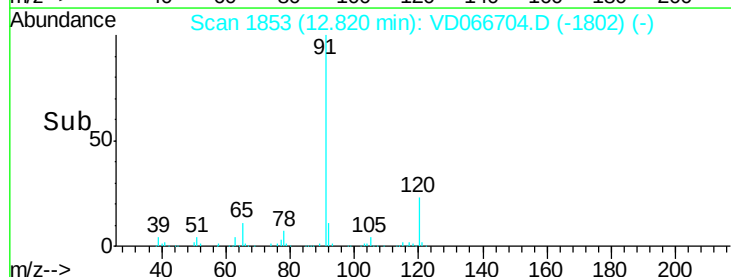
200000

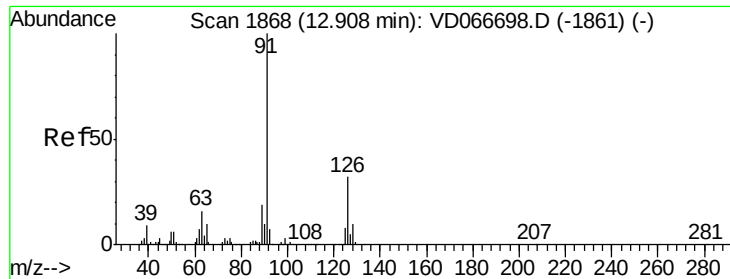
100000

0

12.75 12.80 12.85

Time-->





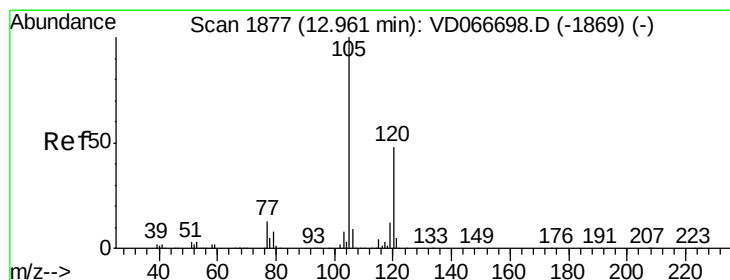
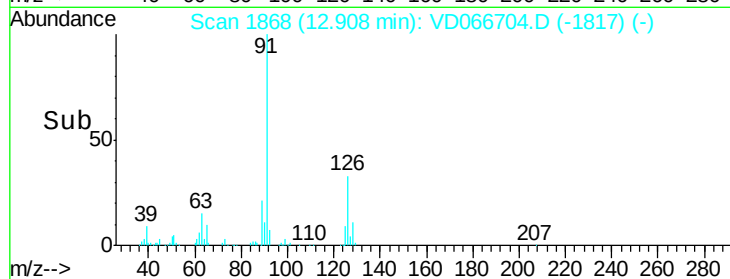
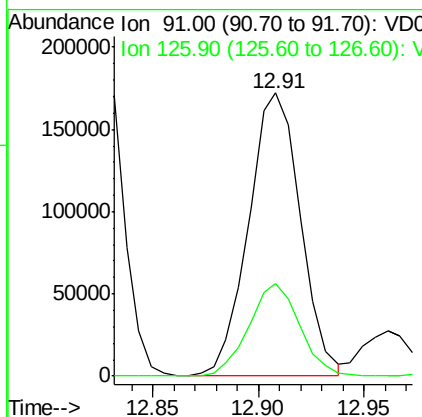
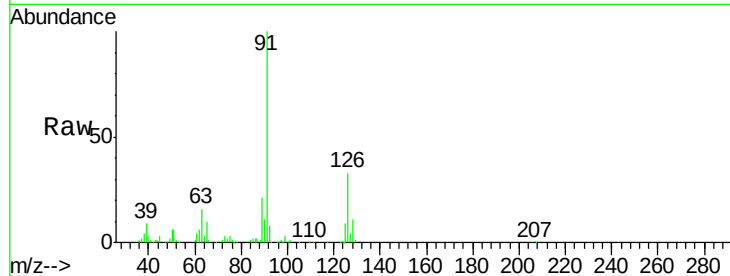
#79
 2-Chlorotoluene
 Concen: 20.319 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VD066704.D
 Acq: 15 Sep 2020 18:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0915SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	294152		
126	32.1	16.2	48.6	

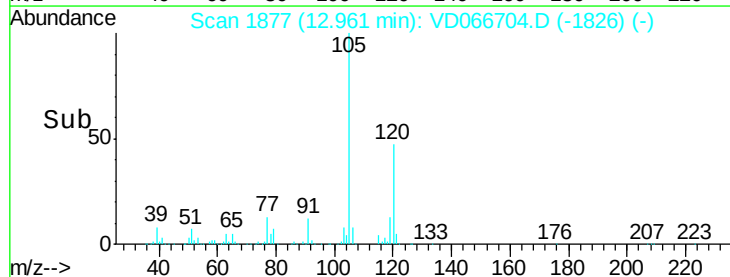
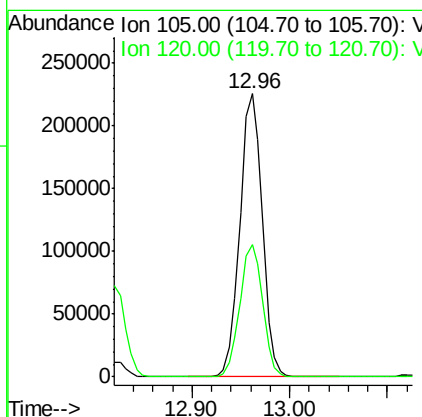
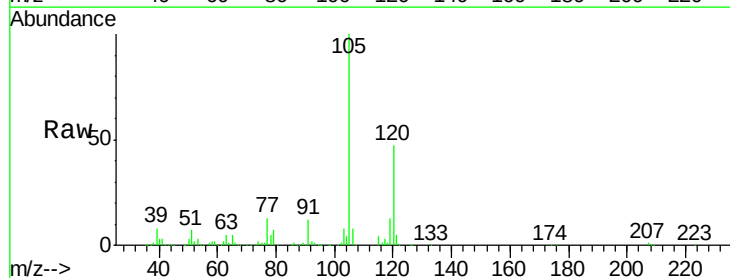
Manual Integrations
 APPROVED

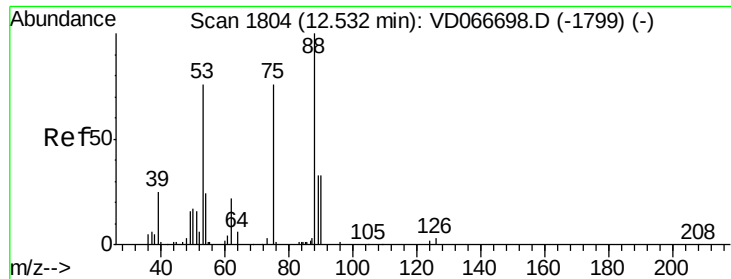
MMDadoda
 9/16/2020 11:44:28 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.363 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD066704.D
 Acq: 15 Sep 2020 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	361615		
120	47.7	23.9	71.7	





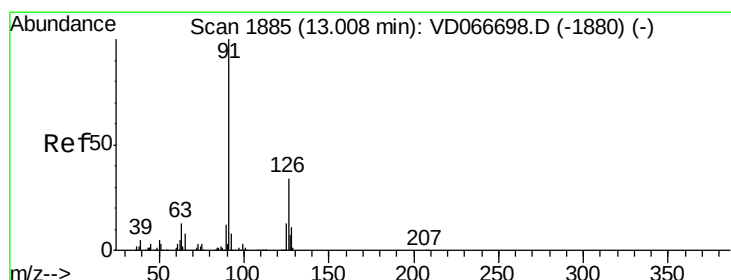
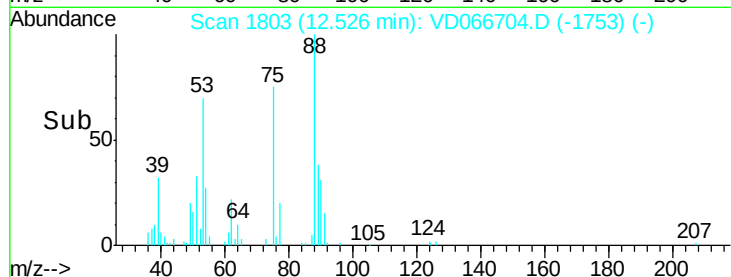
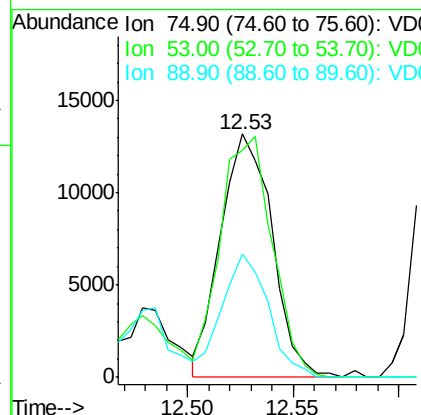
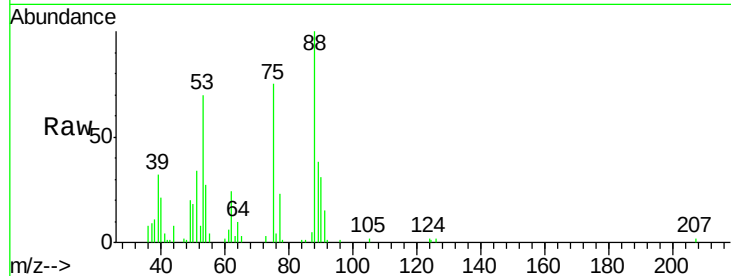
#81
trans-1,4-Dichloro-2-butene
Concen: 19.971 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD066704.D
Acq: 15 Sep 2020 18:53

Instrument :
MSVOA_D
ClientSampleId :
VD0915SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.0	82.2	123.4
89	45.7	39.6	59.4

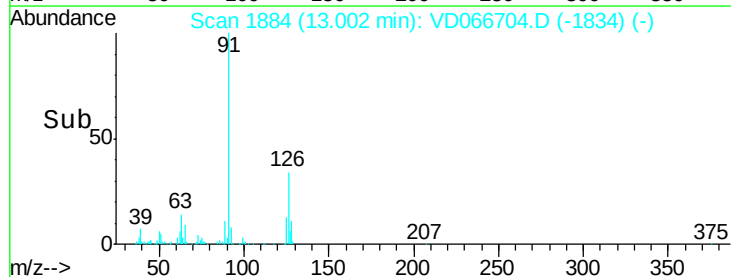
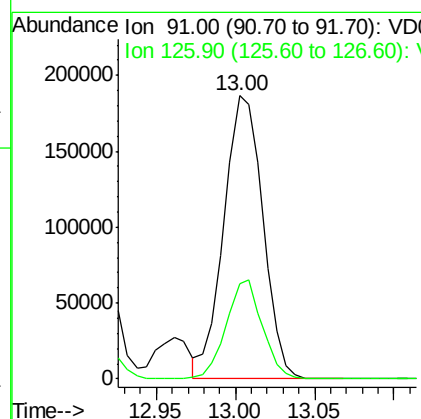
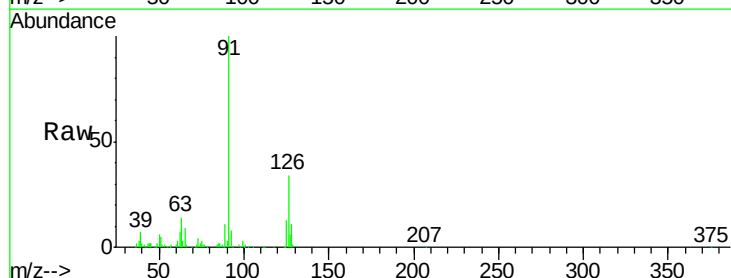
Manual Integrations
APPROVED

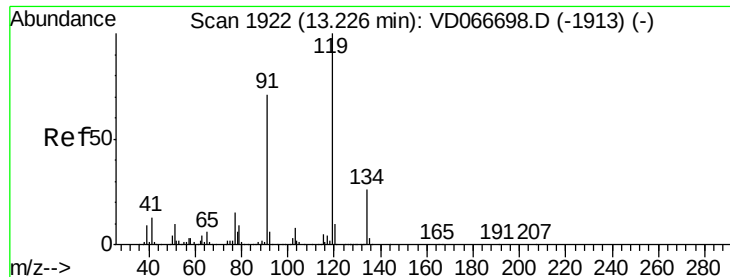
MMDadoda
9/16/2020 11:44:28 AM



#82
4-Chlorotoluene
Concen: 20.843 ug/l
RT: 13.00 min Scan# 1884
Delta R.T. -0.01 min
Lab File: VD066704.D
Acq: 15 Sep 2020 18:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.8	50.4





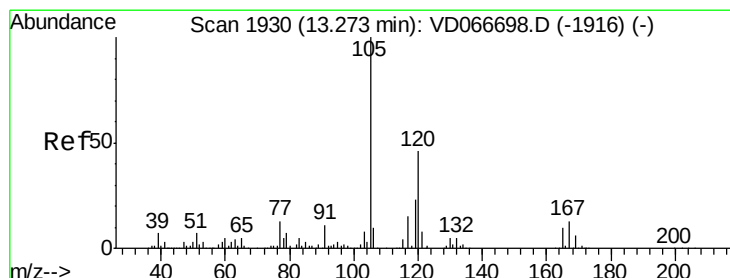
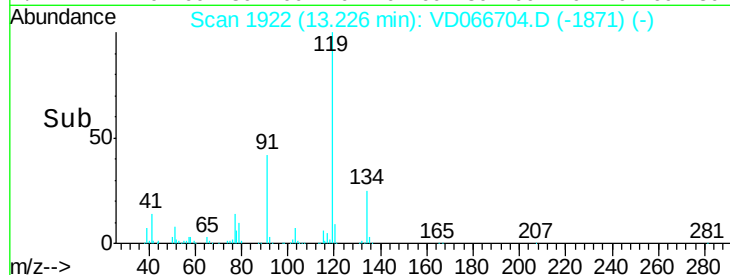
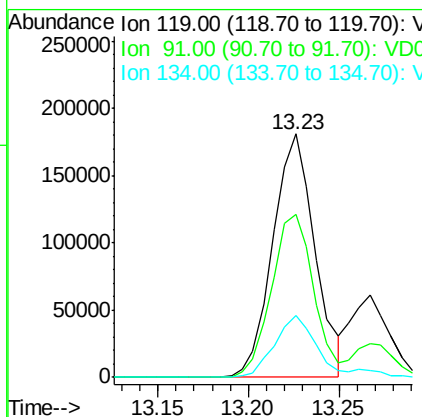
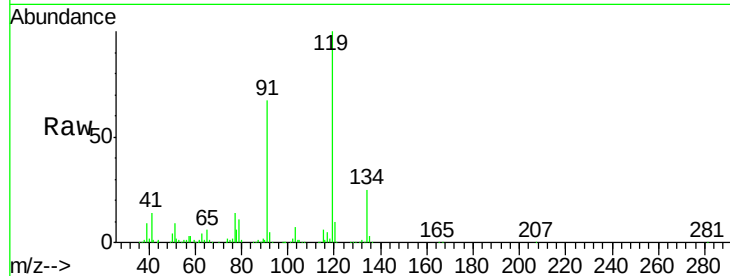
#83
 tert-Butylbenzene
 Concen: 20.037 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD066704.D
 Acq: 15 Sep 2020 18:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0915SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.0	35.0	105.1
134	24.8	13.6	40.8

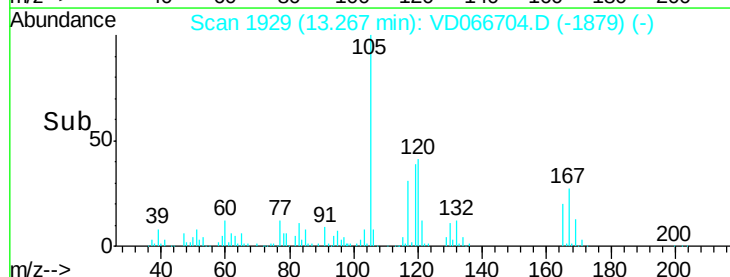
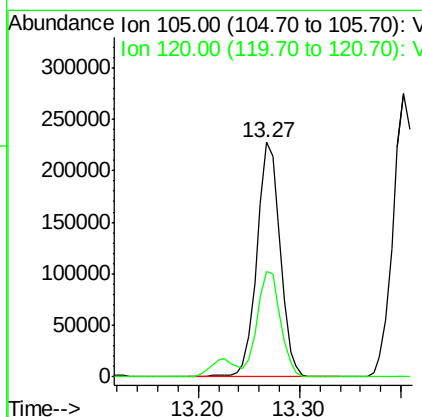
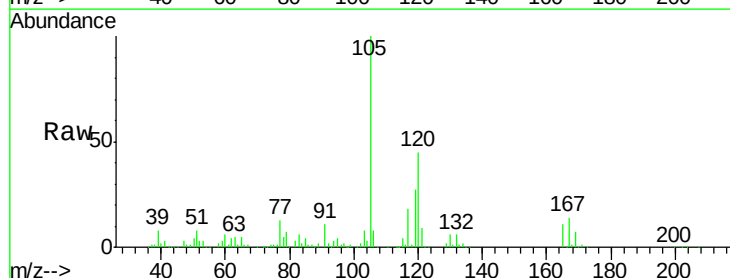
Manual Integrations
 APPROVED

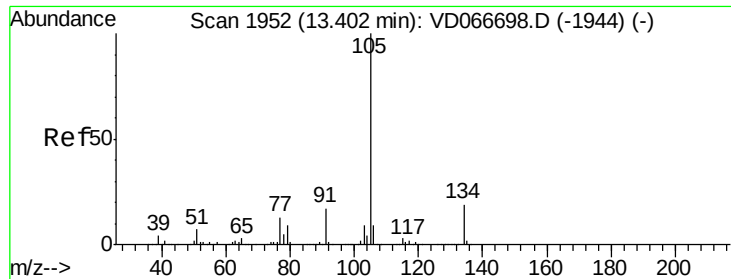
MMDadoda
 9/16/2020 11:44:28 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.392 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: VD066704.D
 Acq: 15 Sep 2020 18:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.4	67.2





#85

sec-Butylbenzene

Concen: 20.132 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD066704.D

Acq: 15 Sep 2020 18:53

Instrument :

MSVOA_D

ClientSampleId :

VD0915SBS01

Tot Ion:105 Resp: 422438

Ion Ratio Lower Upper

105 100

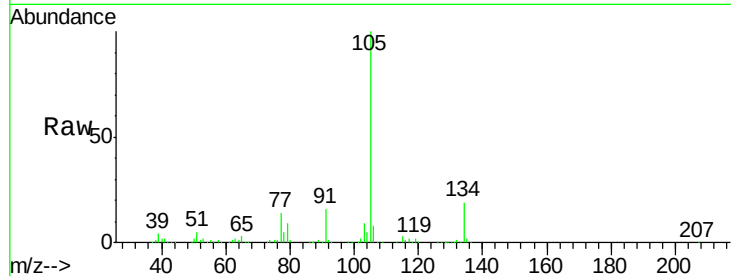
134 19.5 10.0 30.0

Manual Integrations

APPROVED

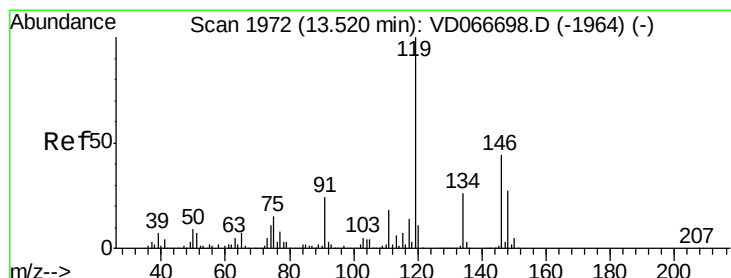
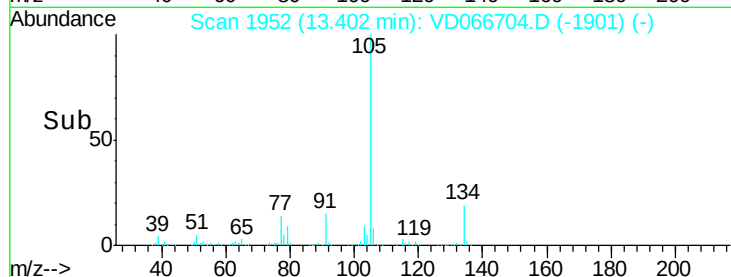
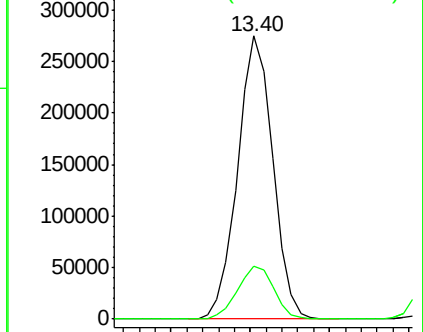
MMDadoda

9/16/2020 11:44:28 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.885 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066704.D

Acq: 15 Sep 2020 18:53

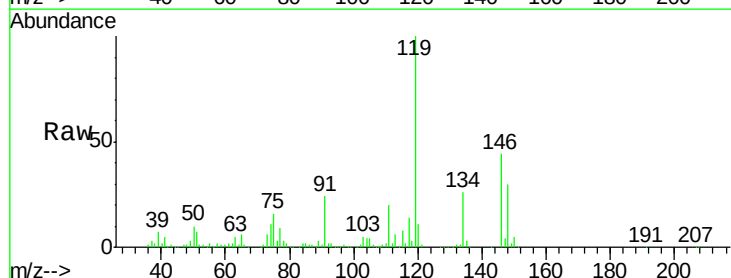
Tgt Ion:119 Resp: 379340

Ion Ratio Lower Upper

119 100

134 26.4 12.9 38.7

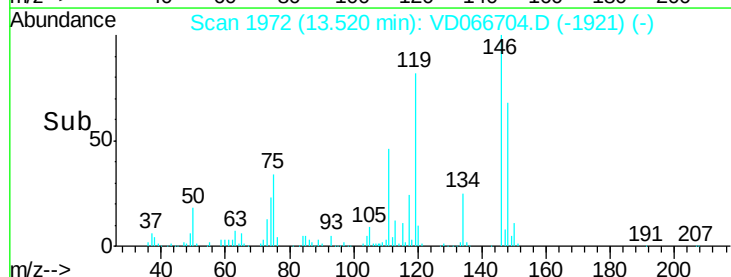
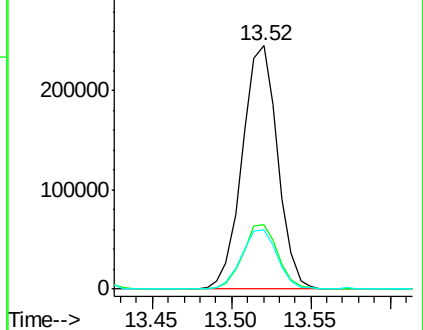
91 24.7 12.3 36.9

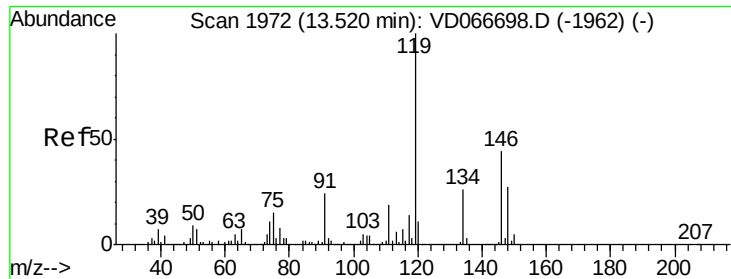


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.045 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066704.D

Acq: 15 Sep 2020 18:53

Instrument :

MSVOA_D

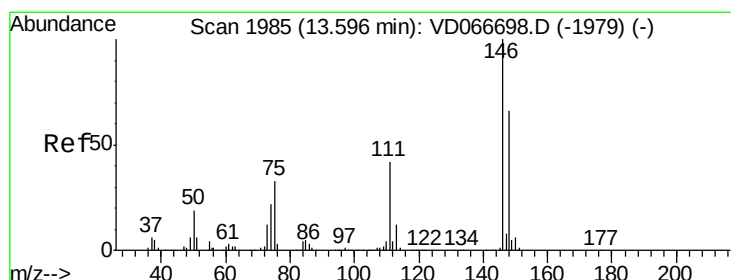
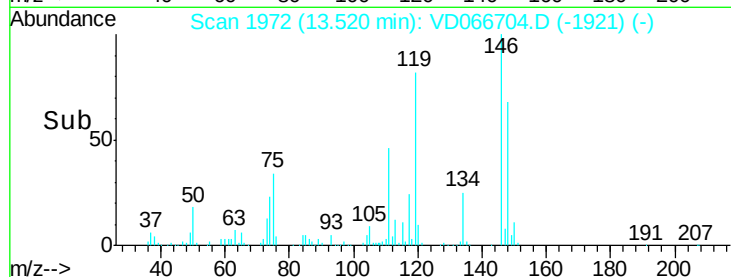
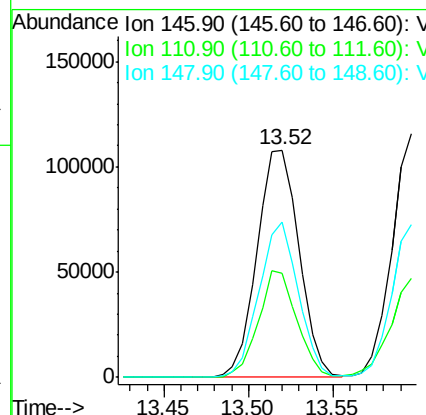
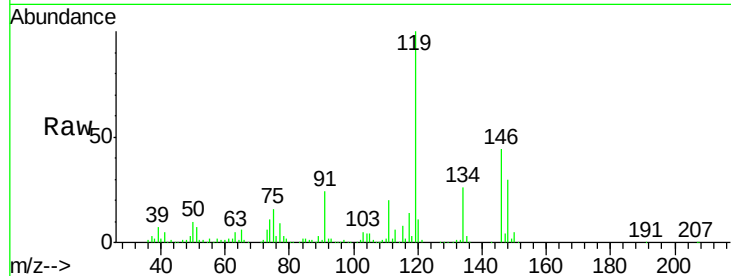
ClientSampleId :

VD0915SBS01

Tot Ion:	146	Resp:	186161
Ion Ratio	Lower	Upper	
146	100		
111	43.0	21.1	63.3
148	64.0	31.4	94.2

Manual Integrations
APPROVED

MMDadoda
9/16/2020 11:44:28 AM



#88

1,4-Dichlorobenzene

Concen: 20.049 ug/l

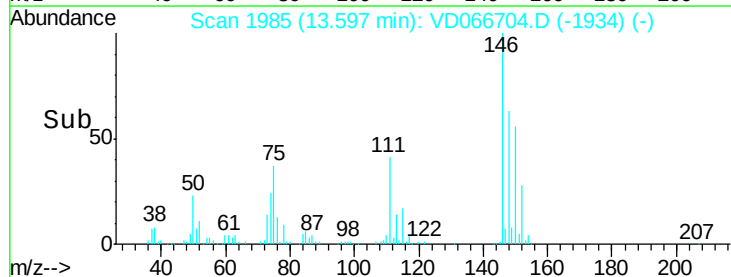
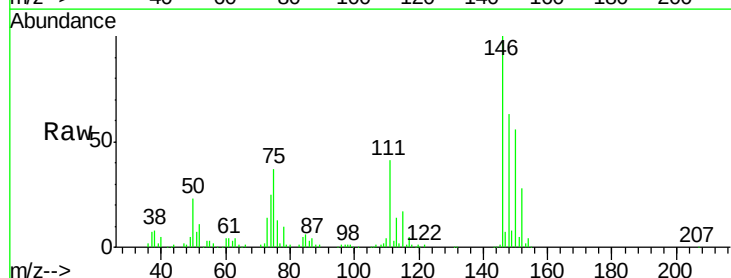
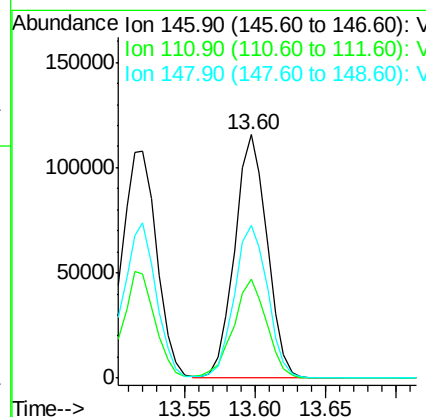
RT: 13.60 min Scan# 1985

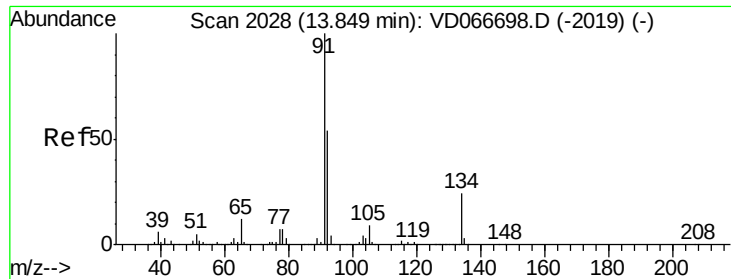
Delta R.T. 0.00 min

Lab File: VD066704.D

Acq: 15 Sep 2020 18:53

Tgt Ion:	146	Resp:	185411
Ion Ratio	Lower	Upper	
146	100		
111	42.0	20.5	61.6
148	64.3	32.7	98.1





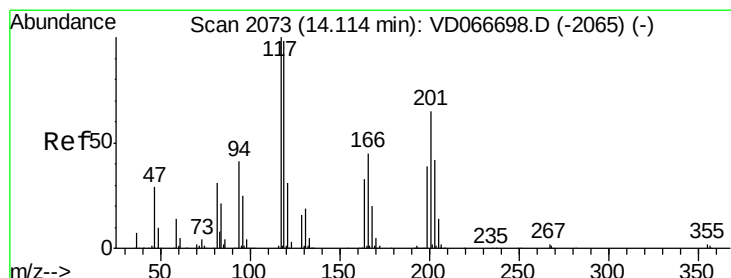
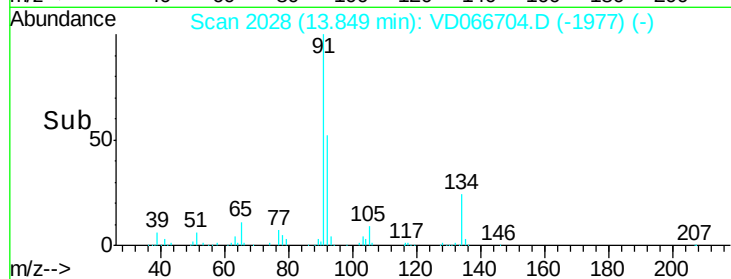
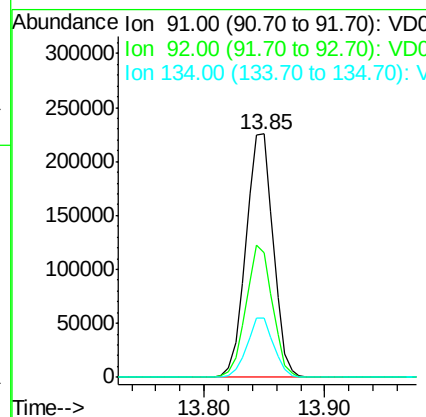
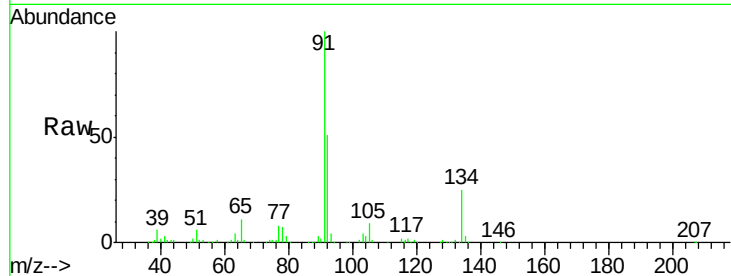
#89
n-Butylbenzene
Concen: 19.659 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066704.D
Acq: 15 Sep 2020 18:53

Instrument :
MSVOA_D
ClientSampleId :
VD0915SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.7	27.0	81.0	
134	23.9	12.4	37.0	

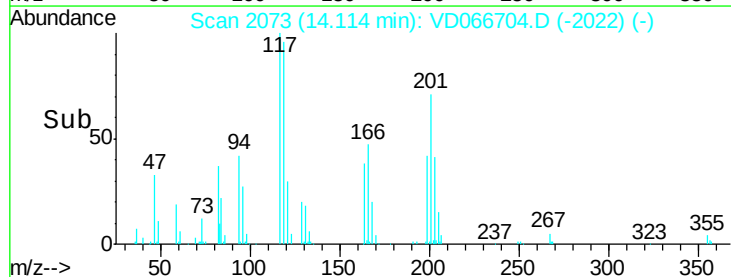
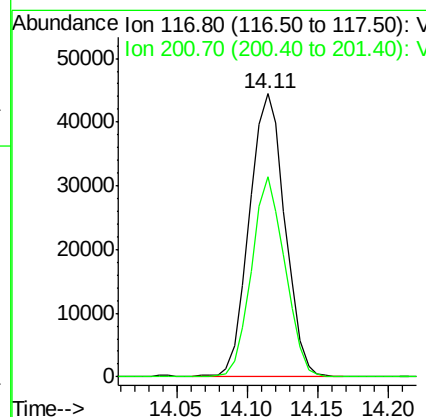
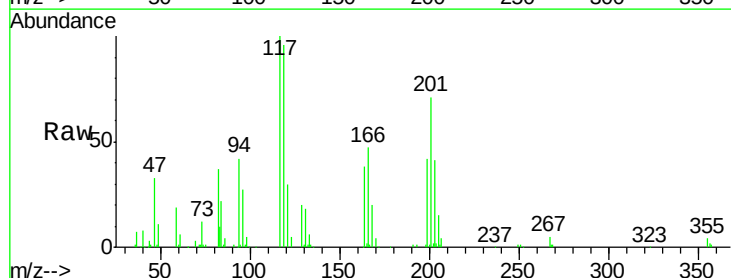
Manual Integrations
APPROVED

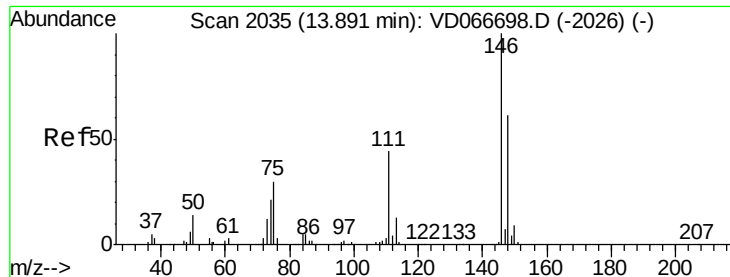
MMDadoda
9/16/2020 11:44:28 AM



#90
Hexachloroethane
Concen: 20.054 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066704.D
Acq: 15 Sep 2020 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	66.4	33.1	99.3	





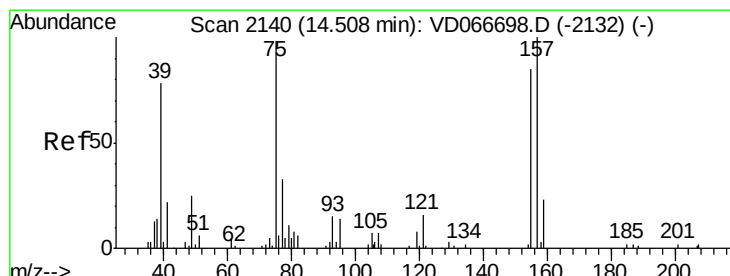
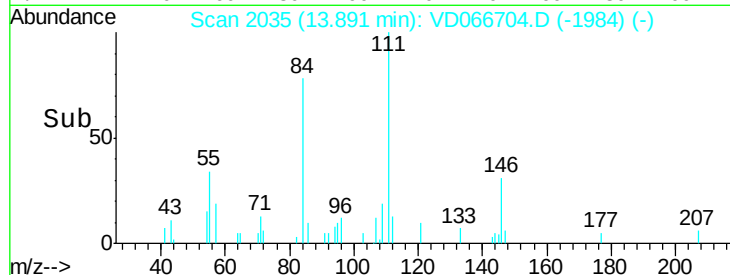
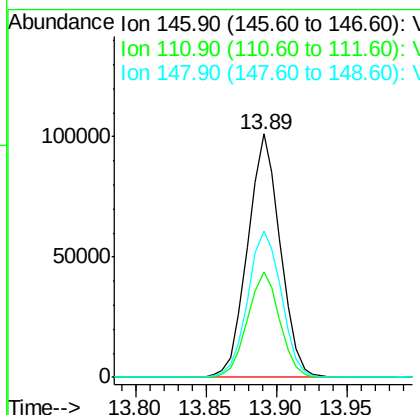
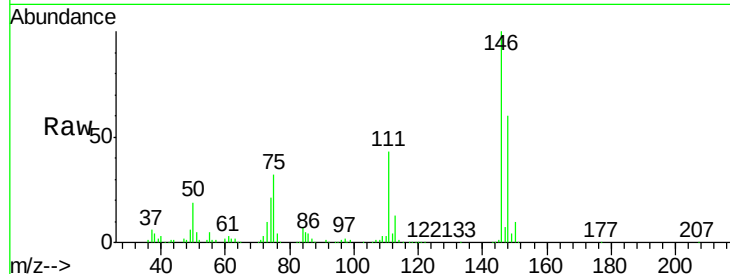
#91
 1,2-Dichlorobenzene
 Concen: 20.575 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD066704.D
 Acq: 15 Sep 2020 18:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0915SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	163731		
111	42.8	21.6	64.6	
148	62.5	31.4	94.3	

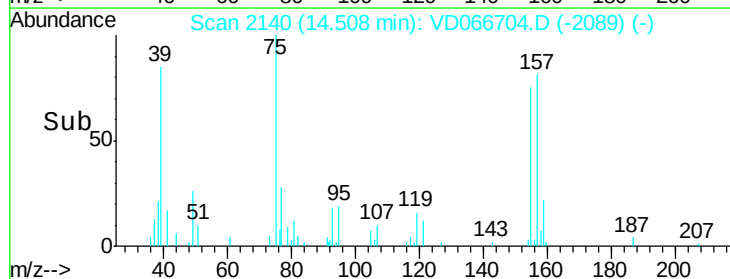
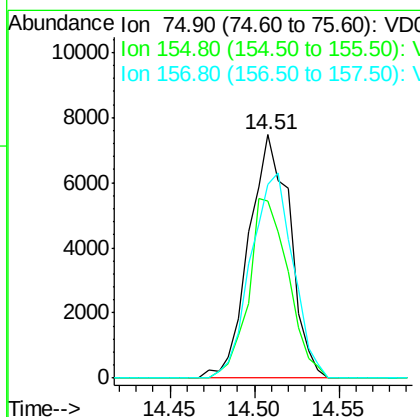
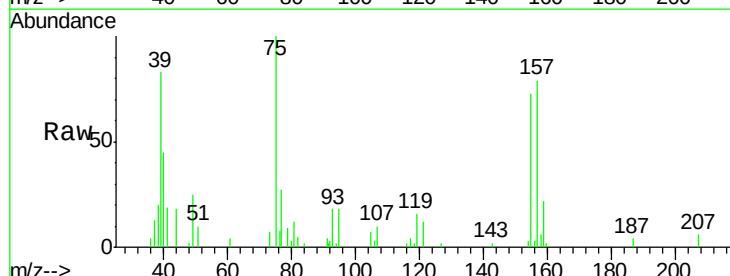
Manual Integrations
 APPROVED

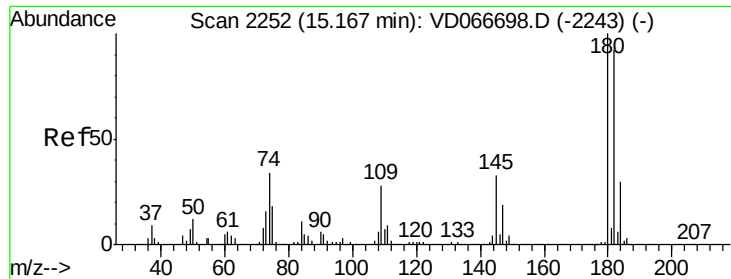
MMDadoda
 9/16/2020 11:44:28 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.853 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD066704.D
 Acq: 15 Sep 2020 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	12607		
155	71.2	38.9	116.7	
157	86.6	46.4	139.2	





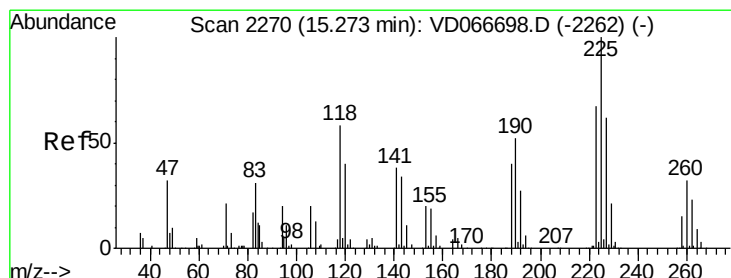
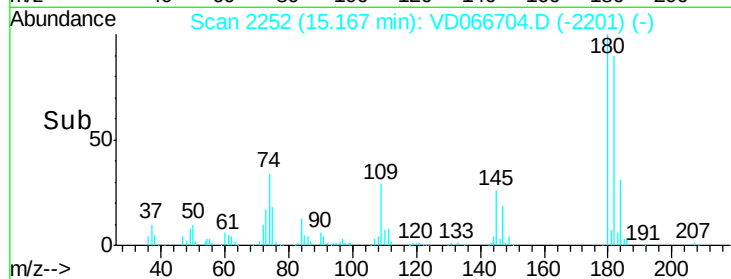
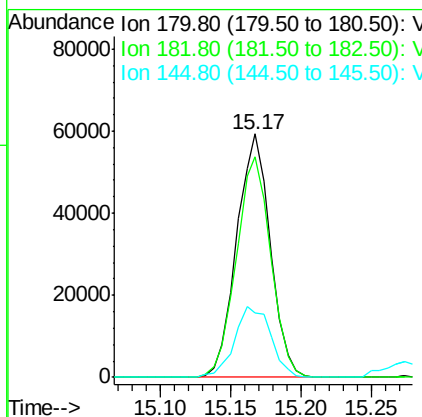
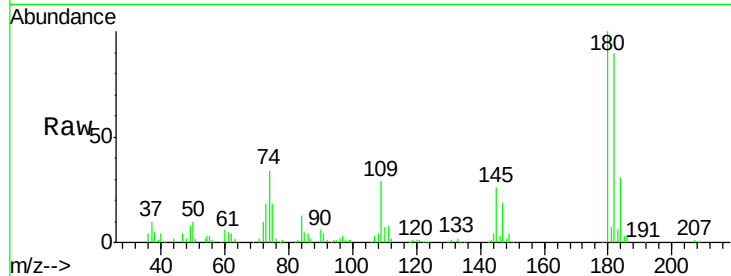
#93
 1,2,4-Trichlorobenzene
 Concen: 20.505 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066704.D
 Acq: 15 Sep 2020 18:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0915SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.5	46.6	139.7
145	31.4	16.5	49.5

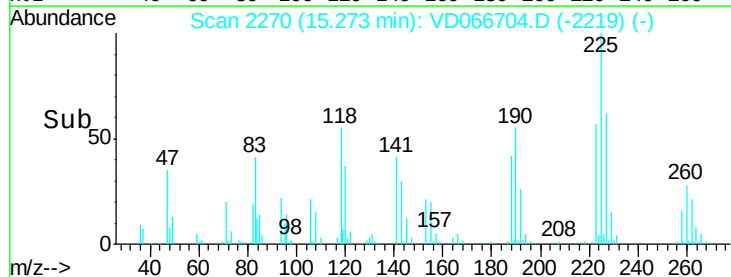
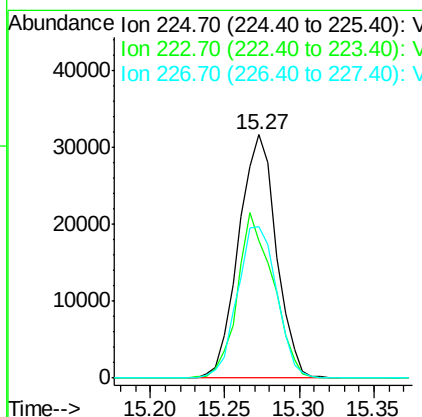
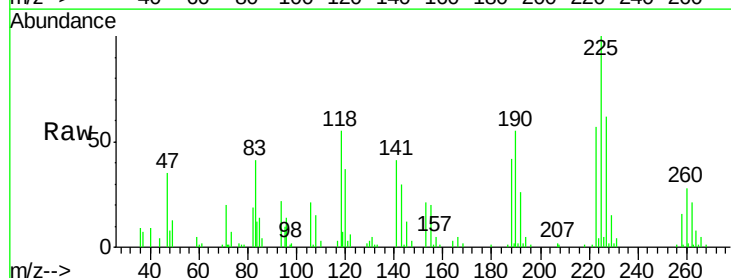
Manual Integrations
 APPROVED

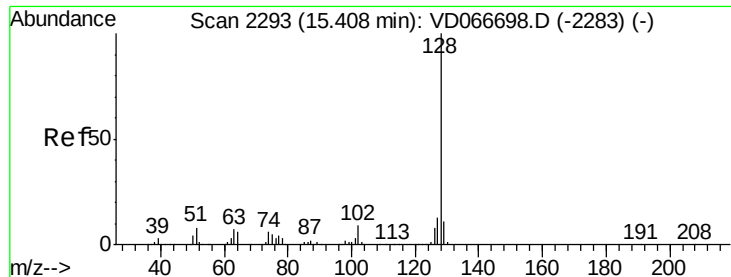
MMDadoda
 9/16/2020 11:44:28 AM



#94
 Hexachlorobutadiene
 Concen: 19.104 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066704.D
 Acq: 15 Sep 2020 18:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.9	95.9
227	65.1	31.3	93.9





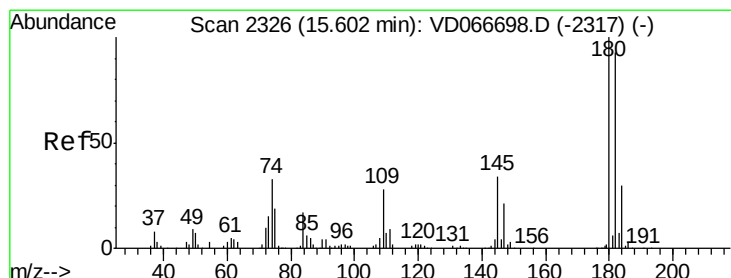
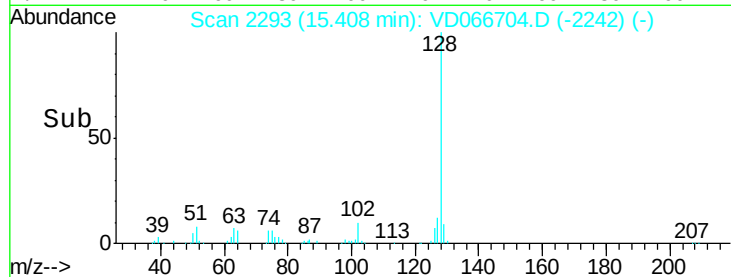
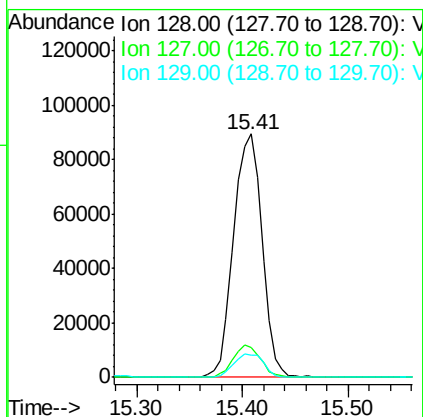
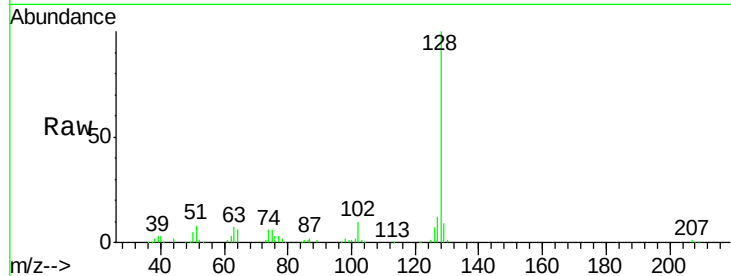
#95
Naphthalene
Concen: 19.858 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066704.D
Acq: 15 Sep 2020 18:53

Instrument :
MSVOA_D
ClientSampleId :
VD0915SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.1	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/16/2020 11:44:28 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.699 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD066704.D
Acq: 15 Sep 2020 18:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.1	46.6	139.8
145	35.7	17.1	51.3

