

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092420\
 Data File : VD066842.D
 Acq On : 24 Sep 2020 11:09
 Operator : VA/SY
 Sample : VD0924SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0924SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/25/2020 4:00:00 PM

Quant Time: Sep 25 01:24:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	393604	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	633617	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	586493	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	279693	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	187104	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
35) Dibromofluoromethane	7.91	113	189037	46.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.78%	
50) Toluene-d8	10.34	98	679308	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
62) 4-Bromofluorobenzene	12.63	95	234576	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	72196	23.185	ug/l	99
3) Chloromethane	2.21	50	78792	21.787	ug/l	99
4) Vinyl Chloride	2.35	62	78105	21.861	ug/l	97
5) Bromomethane	2.76	94	52752	21.007	ug/l	98
6) Chloroethane	2.93	64	45500	20.508	ug/l	99
7) Trichlorofluoromethane	3.27	101	152659	20.805	ug/l	96
8) Diethyl Ether	3.71	74	36515	19.602	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.09	101	88680	20.843	ug/l	98
10) Methyl Iodide	4.30	142	79409	21.150	ug/l	99
11) Tert butyl alcohol	5.22	59	27823	88.703	ug/l #	85
12) 1,1-Dichloroethene	4.07	96	79826	20.711	ug/l	98
13) Acrolein	3.93	56	25416	89.432	ug/l	98
14) Allyl chloride	4.71	41	111876	19.767	ug/l	98
15) Acrylonitrile	5.42	53	84213	102.013	ug/l	97
16) Acetone	4.16	43	70600	86.389	ug/l	94
17) Carbon Disulfide	4.41	76	244533	20.752	ug/l	97
18) Methyl Acetate	4.73	43	39301	19.327	ug/l	96
19) Methyl tert-butyl Ether	5.47	73	163063	19.481	ug/l	94
20) Methylene Chloride	4.96	84	105855	20.574	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	92647	20.760	ug/l	98
22) Diisopropyl ether	6.36	45	241999	20.796	ug/l	97
23) Vinyl Acetate	6.30	43	569071	91.781	ug/l	98
24) 1,1-Dichloroethane	6.26	63	155869	20.022	ug/l	97
25) 2-Butanone	7.21	43	93100	94.797	ug/l	95
26) 2,2-Dichloropropane	7.21	77	141314	19.805	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	99668	20.555	ug/l	99
28) Bromochloromethane	7.54	49	65052	20.227	ug/l	98
29) Tetrahydrofuran	7.56	42	61446	97.645	ug/l	98
30) Chloroform	7.71	83	172345	20.538	ug/l	98
31) Cyclohexane	7.98	56	136793	19.529	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	154928	20.409	ug/l	99
36) 1,1-Dichloropropene	8.11	75	128586	20.456	ug/l	98
37) Ethyl Acetate	7.29	43	46953	20.662	ug/l	99
38) Carbon Tetrachloride	8.09	117	144413	21.014	ug/l	97

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Manual Integrations
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MMDadoda
 9/25/2020 4:00:00 PM

Quant Time: Sep 25 01:24:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	144267	19.989	ug/l	89
40) Benzene	8.34	78	368126	21.013	ug/l	95
41) Methacrylonitrile	7.53	41	27134m	19.416	ug/l	
42) 1,2-Dichloroethane	8.42	62	107910	20.836	ug/l	99
43) Isopropyl Acetate	8.45	43	84953	19.391	ug/l	100
44) Trichloroethene	9.11	130	103217	20.670	ug/l	100
45) 1,2-Dichloropropane	9.38	63	89425	20.288	ug/l	97
46) Dibromomethane	9.47	93	49875	20.826	ug/l	98
47) Bromodichloromethane	9.66	83	131568	20.451	ug/l	98
48) Methyl methacrylate	9.45	41	43701	20.231	ug/l	91
49) 1,4-Dioxane	9.46	88	11703	365.020	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	218740	98.534	ug/l	98
52) Toluene	10.40	92	239764	21.247	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	107624	19.655	ug/l	94
54) cis-1,3-Dichloropropene	10.08	75	136279	20.411	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	66054	20.064	ug/l	93
56) Ethyl methacrylate	10.66	69	69610	19.737	ug/l	98
57) 1,3-Dichloropropane	10.94	76	115646	21.273	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	194051	116.200	ug/l	97
59) 2-Hexanone	10.98	43	143708	95.992	ug/l	99
60) Dibromochloromethane	11.14	129	88638	20.629	ug/l	98
61) 1,2-Dibromoethane	11.24	107	64164	20.954	ug/l	98
64) Tetrachloroethene	10.87	164	89163	21.135	ug/l	94
65) Chlorobenzene	11.67	112	250206	20.495	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	96317	20.845	ug/l	97
67) Ethyl Benzene	11.74	91	431226	20.112	ug/l	100
68) m/p-Xylenes	11.85	106	342538	42.195	ug/l	99
69) o-Xylene	12.18	106	148813	20.273	ug/l	99
70) Styrene	12.20	104	267200	20.960	ug/l	99
71) Bromoform	12.36	173	46645	19.939	ug/l #	100
73) Isopropylbenzene	12.48	105	407020	20.145	ug/l	99
74) N-amyl acetate	12.28	43	78018	19.773	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	68118	19.538	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	52444m	22.626	ug/l	
77) Bromobenzene	12.76	156	96105	20.338	ug/l	99
78) n-propylbenzene	12.82	91	498691	20.516	ug/l	99
79) 2-Chlorotoluene	12.91	91	283947	20.499	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	349125	20.364	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	16763	18.094	ug/l	99
82) 4-Chlorotoluene	13.01	91	308621	21.136	ug/l	99
83) tert-Butylbenzene	13.23	119	288664	20.490	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	354092	20.828	ug/l	99
85) sec-Butylbenzene	13.40	105	416093	20.539	ug/l	98
86) p-Isopropyltoluene	13.52	119	384100	21.034	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	188409	20.181	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	190170	20.509	ug/l	99
89) n-Butylbenzene	13.85	91	351233	20.236	ug/l	99
90) Hexachloroethane	14.11	117	73442	19.810	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	160867	20.140	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11071	19.740	ug/l	96

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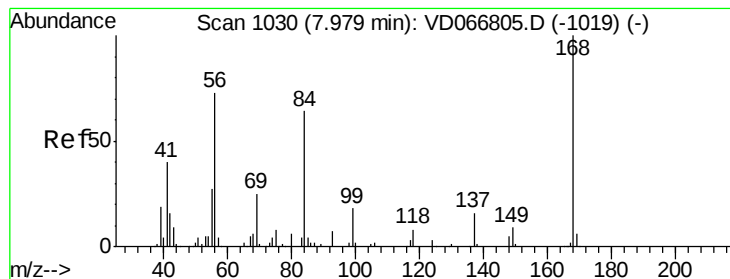
Manual Integrations
APPROVED

MMDadoda
9/25/2020 4:00:00 PM

Quant Time: Sep 25 01:24:02 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 23 01:34:05 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	105446	20.971	ug/l	94
94) Hexachlorobutadiene	15.27	225	61901	20.544	ug/l	99
95) Naphthalene	15.41	128	161015	18.862	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	88169	20.316	ug/l	98

(#) = 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: VD066842.D

Acq: 24 Sep 2020 11:09

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBS01

Tot Ion:168 Resp: 393604

Ion Ratio Lower Upper

168 100

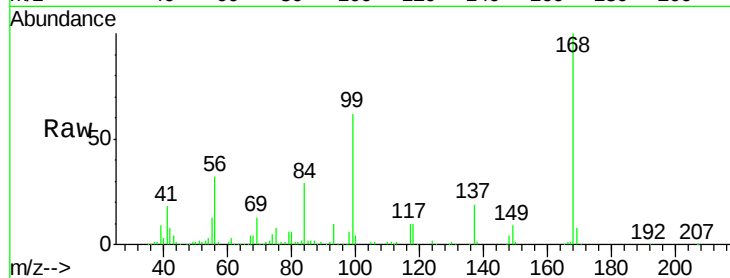
99 61.5 46.6 69.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

200000

150000

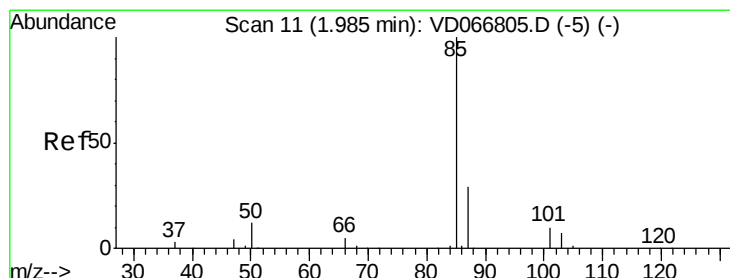
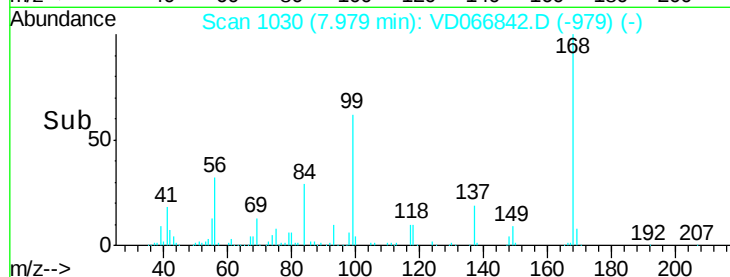
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50000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 23.185 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066842.D

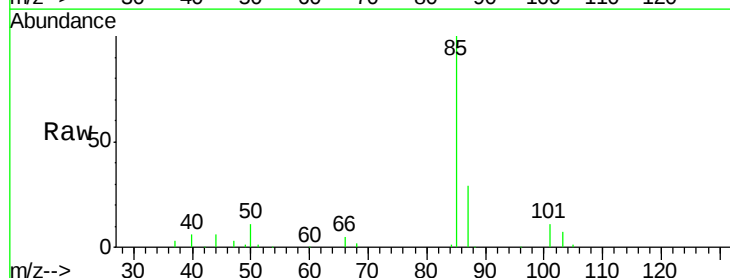
Acq: 24 Sep 2020 11:09

Tgt Ion: 85 Resp: 72196

Ion Ratio Lower Upper

85 100

87 28.7 14.5 43.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

60000

50000

40000

30000

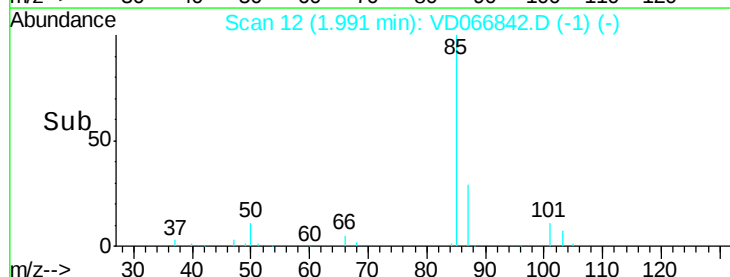
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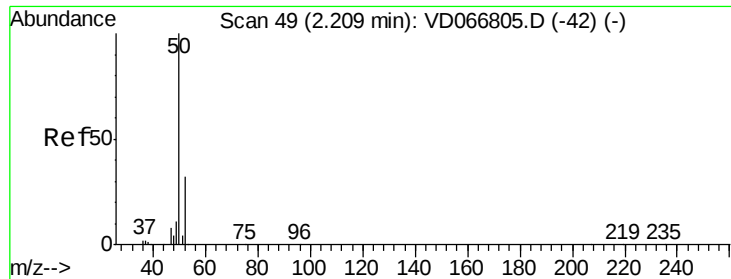
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 21.787 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066842.D

Acq: 24 Sep 2020 11:09

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBS01

Tot Ion: 50 Resp: 78792

Ion Ratio Lower Upper

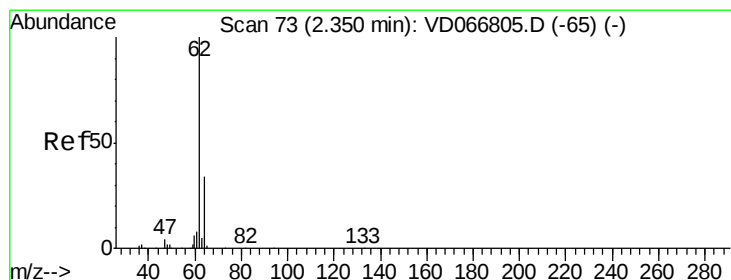
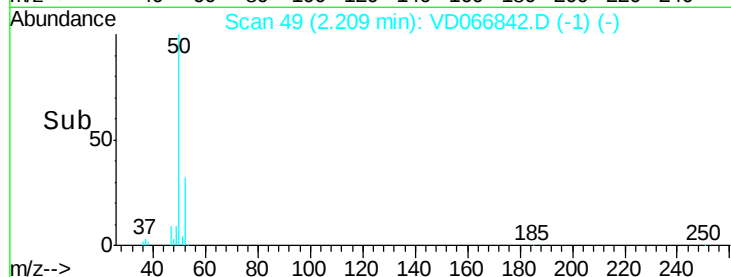
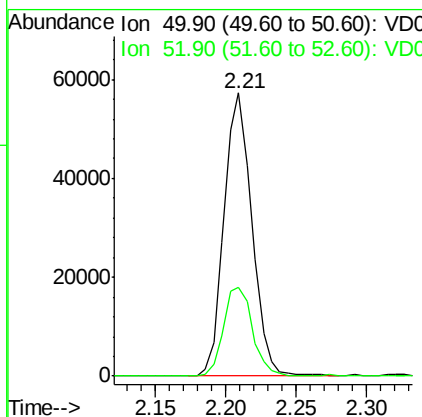
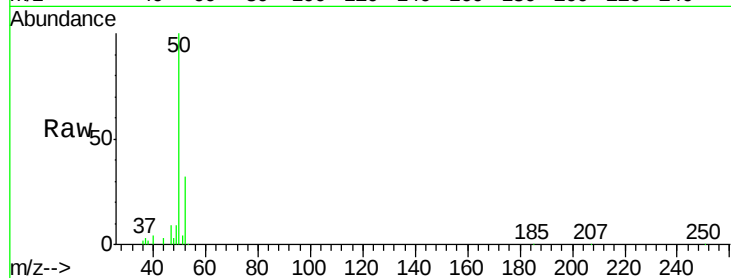
50 100

52 31.5 25.5 38.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 21.861 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066842.D

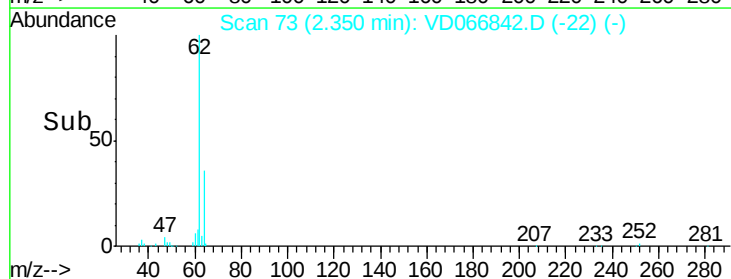
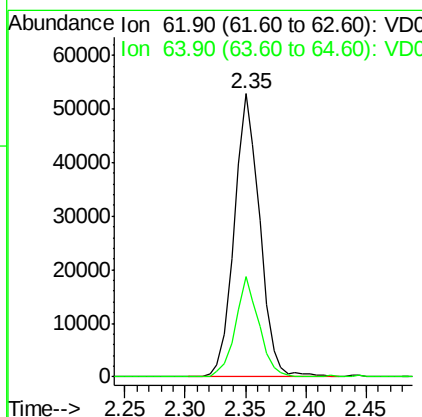
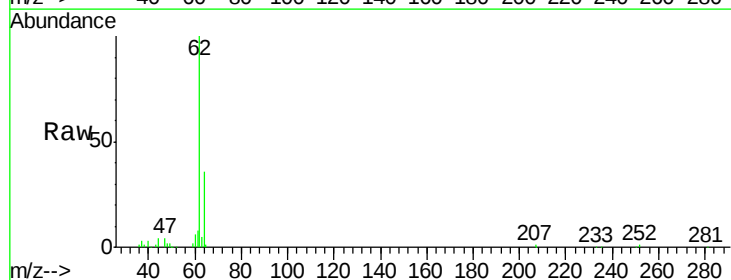
Acq: 24 Sep 2020 11:09

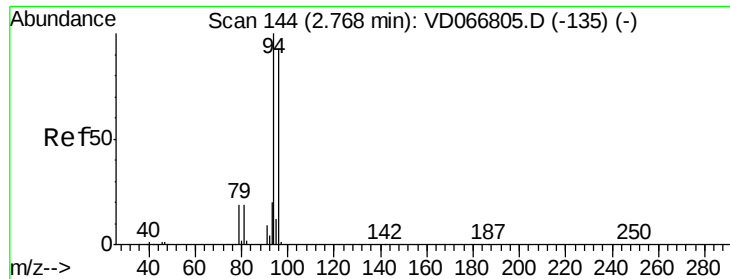
Tgt Ion: 62 Resp: 78105

Ion Ratio Lower Upper

62 100

64 35.6 27.0 40.4





#5

Bromomethane

Concen: 21.007 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD066842.D

Acq: 24 Sep 2020 11:09

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBS01

Tot Ion: 94 Resp: 52752

Ion Ratio Lower Upper

94 100

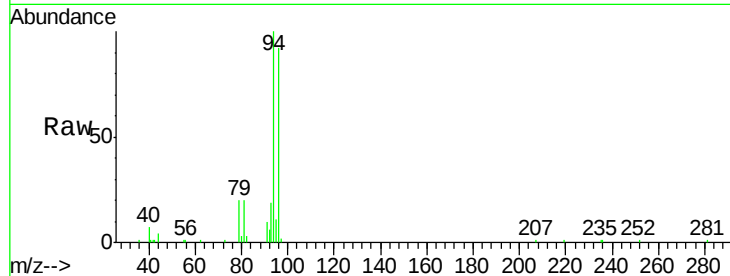
96 91.0 74.3 111.5

Manual Integrations

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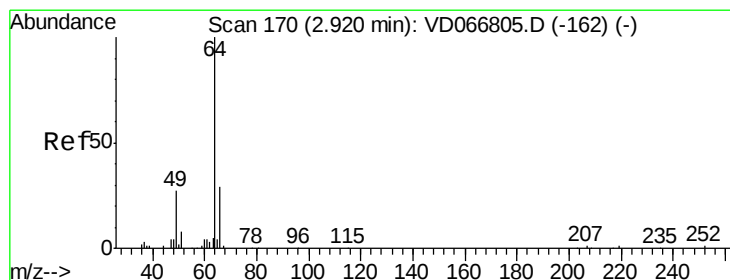
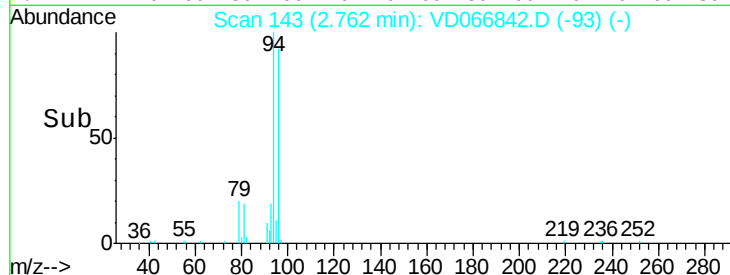
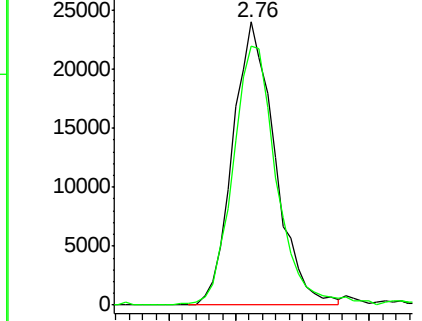
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.508 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD066842.D

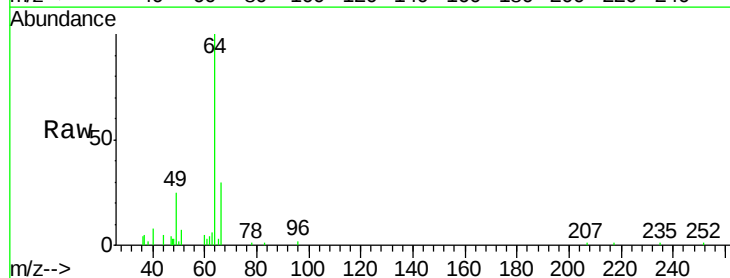
Acq: 24 Sep 2020 11:09

Tgt Ion: 64 Resp: 45500

Ion Ratio Lower Upper

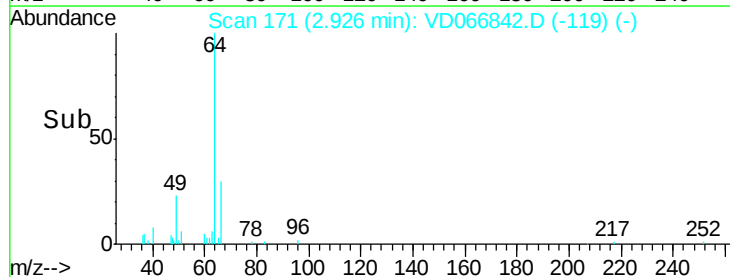
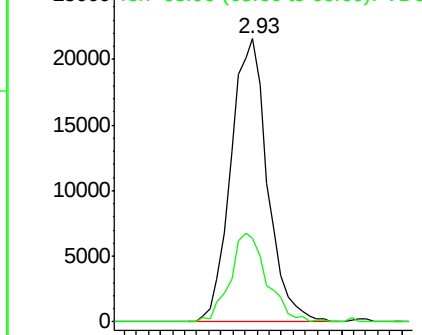
64 100

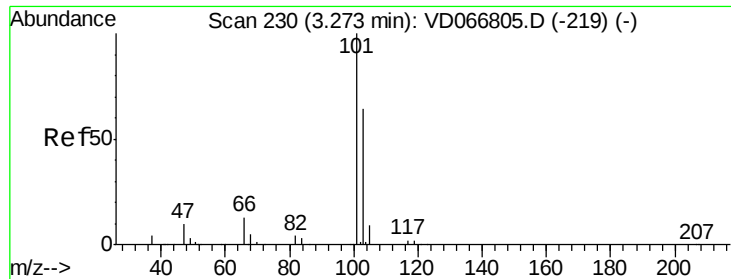
66 29.5 23.3 34.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

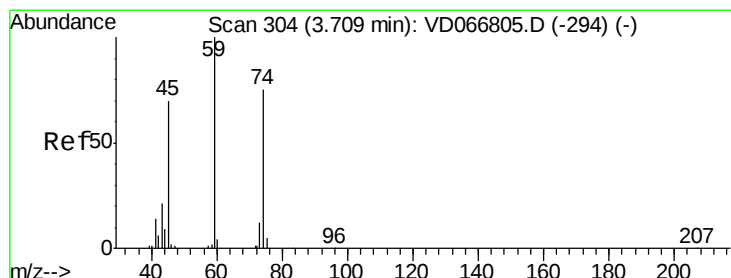
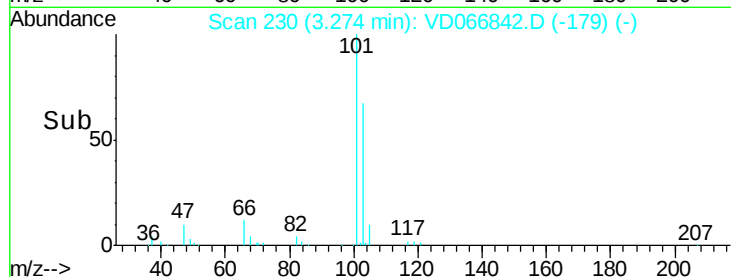
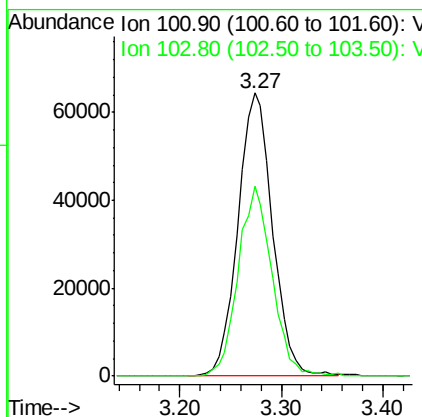
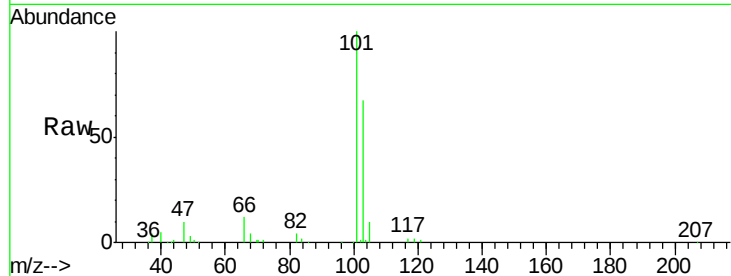
Trichlorofluoromethane
Concen: 20.805 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD066842.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	152659		
103	67.1	51.0	76.6	

Manual Integrations
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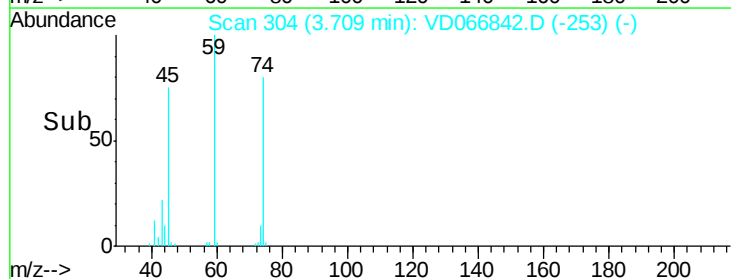
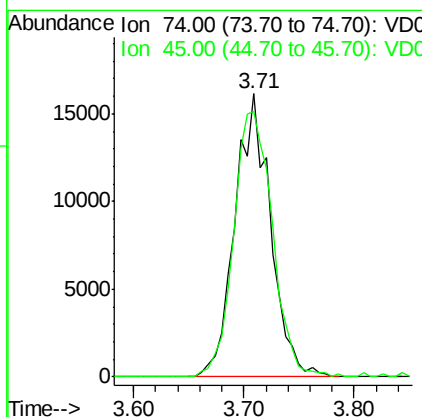
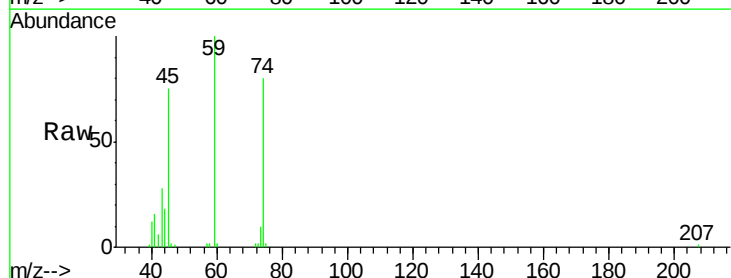
MMDadoda
9/25/2020 4:00:00 PM

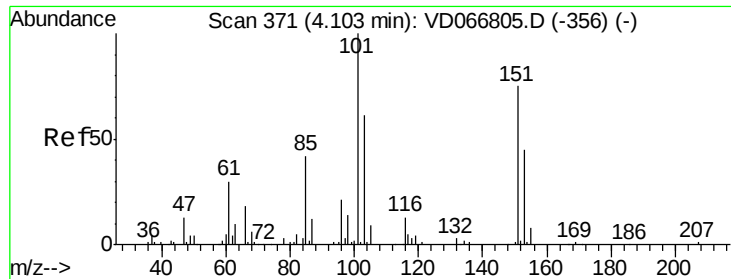


#8

Diethyl Ether
Concen: 19.602 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD066842.D
Acq: 24 Sep 2020 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	36515		
45	102.6	46.0	138.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.843 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD066842.D

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Instrument :

MSVOA_D

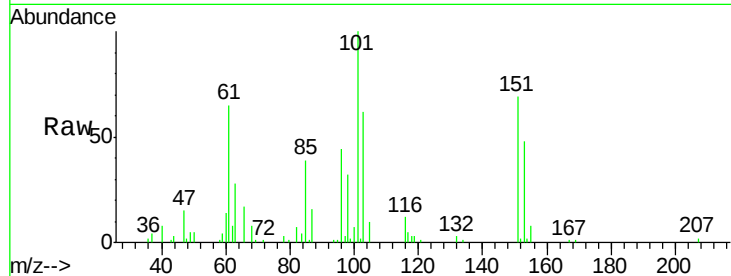
ClientSampleId :

VD0924SBS01

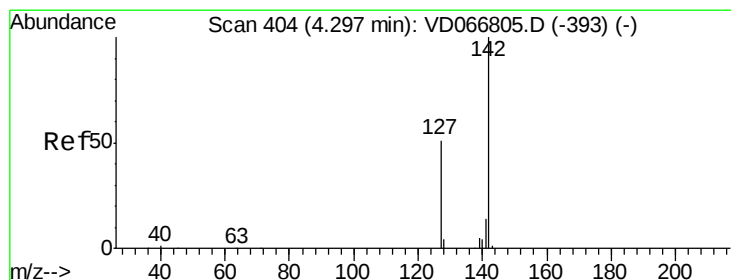
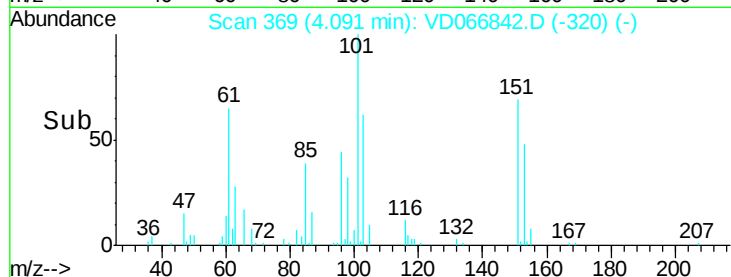
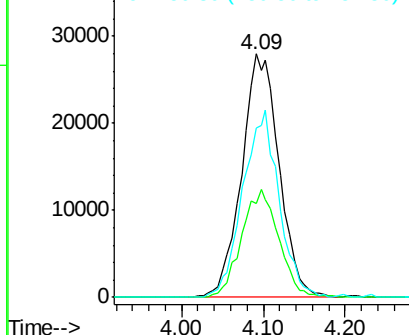
Tot Ion:	101	Resp:	88680
Ion Ratio	Lower	Upper	
101	100		
85	44.1	35.4	53.2
151	74.7	61.4	92.0

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



#10

Methyl Iodide

Concen: 21.150 ug/l

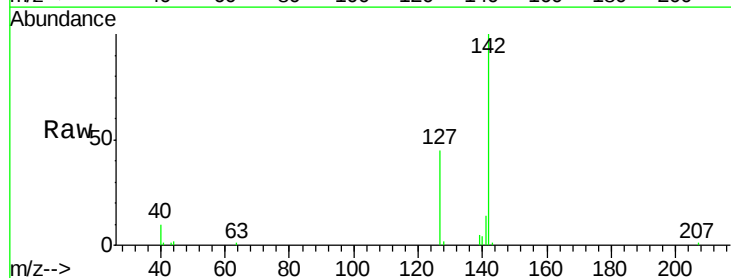
RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

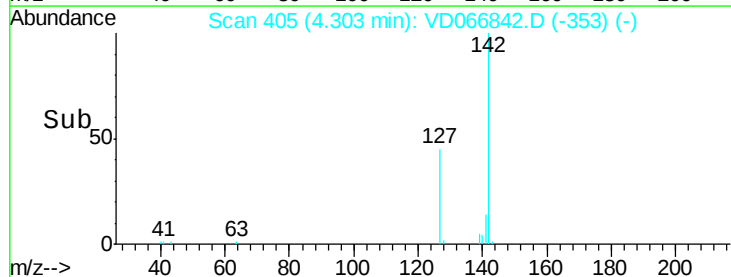
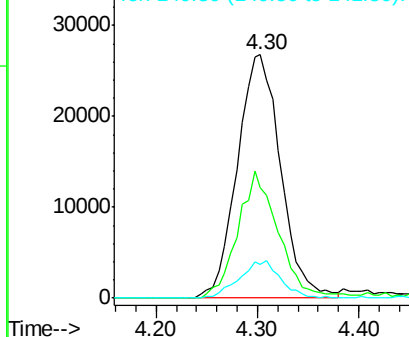
Lab File: VD066842.D

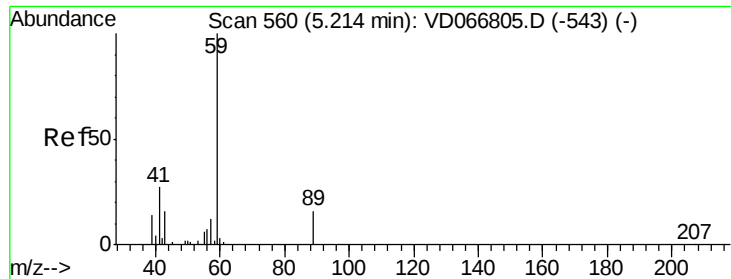
Acq: 24 Sep 2020 11:09

Tgt Ion:	142	Resp:	79409
Ion Ratio	Lower	Upper	
142	100		
127	48.6	39.4	59.0
141	14.6	12.1	18.1



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





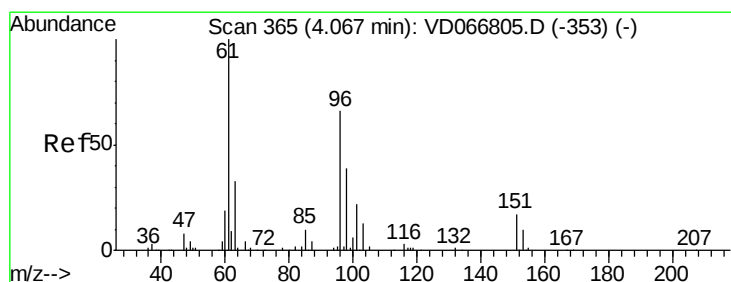
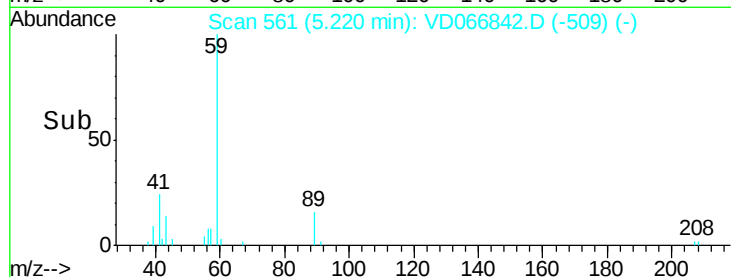
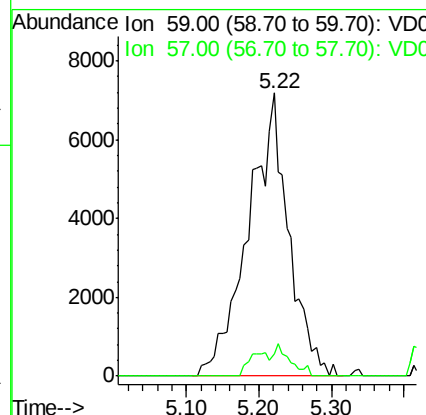
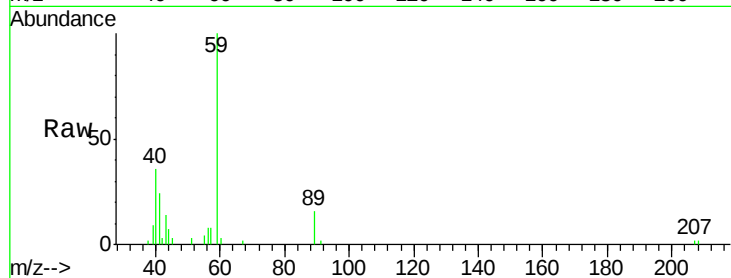
#11
Tert butyl alcohol
Concen: 88.703 ug/l
RT: 5.22 min Scan# 561
Delta R.T. 0.01 min
Lab File: VD066842.D
Acq: 24 Sep 2020 11:09

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

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

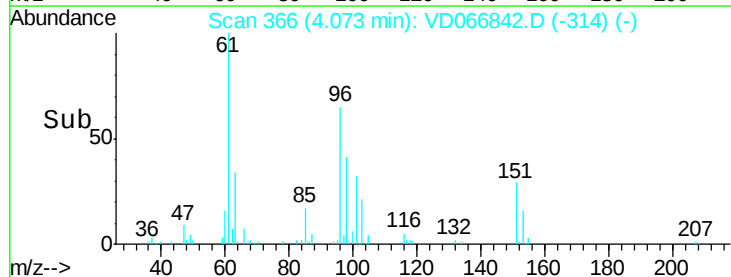
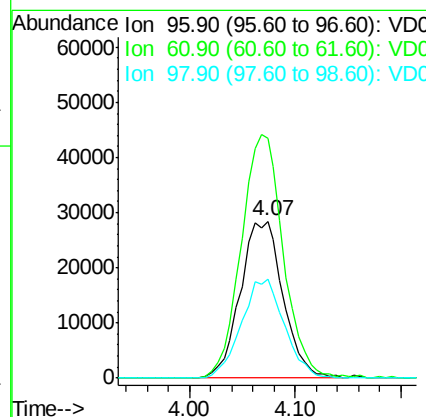
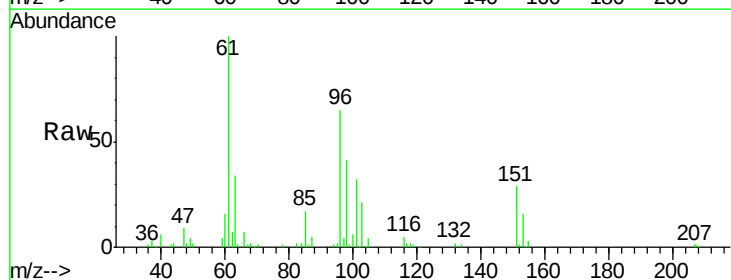
Manual Integrations
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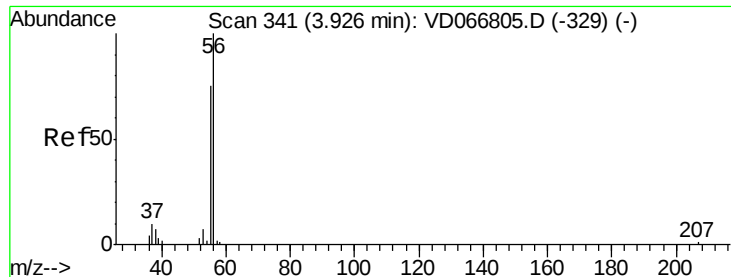
MMDadoda
9/25/2020 4:00:00 PM



#12
1,1-Dichloroethene
Concen: 20.711 ug/l
RT: 4.07 min Scan# 366
Delta R.T. 0.01 min
Lab File: VD066842.D
Acq: 24 Sep 2020 11:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.1	120.8	181.2
98	63.2	47.7	71.5





#13

Acrolein

Concen: 89.432 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD066842.D

Acq: 24 Sep 2020 11:09

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBS01

Tot Ion: 56 Resp: 25416

Ion Ratio Lower Upper

56 100

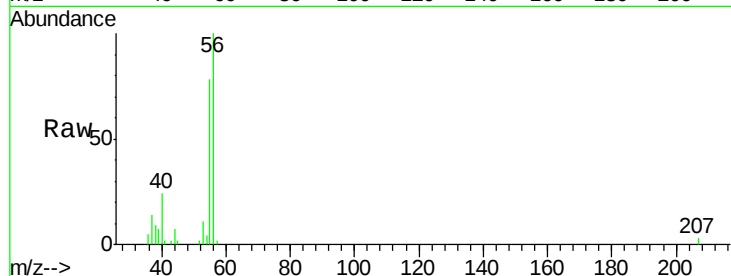
55 77.2 60.3 90.5

Manual Integrations

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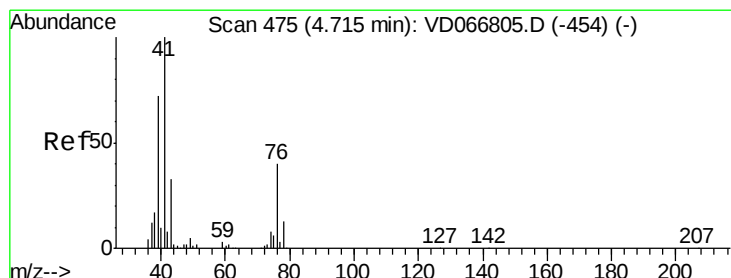
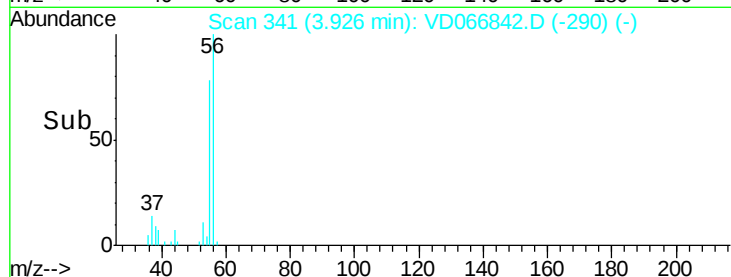
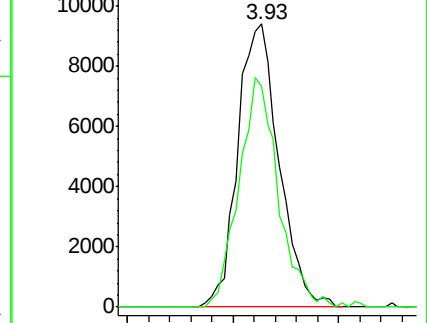
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.767 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066842.D

Acq: 24 Sep 2020 11:09

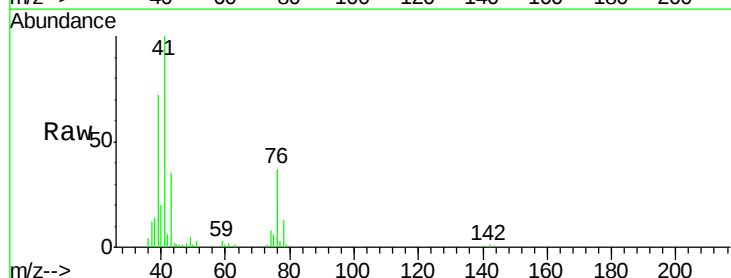
Tgt Ion: 41 Resp: 111876

Ion Ratio Lower Upper

41 100

39 70.4 57.8 86.8

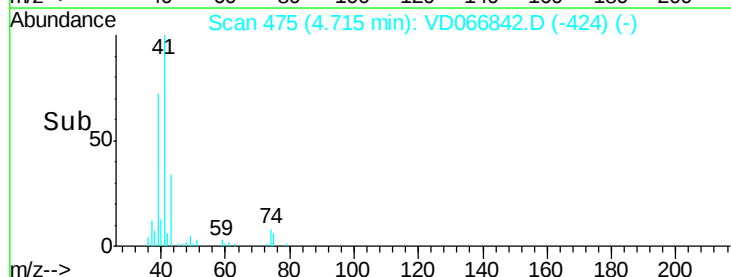
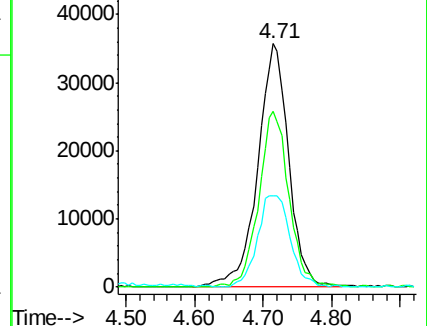
76 39.8 30.9 46.3

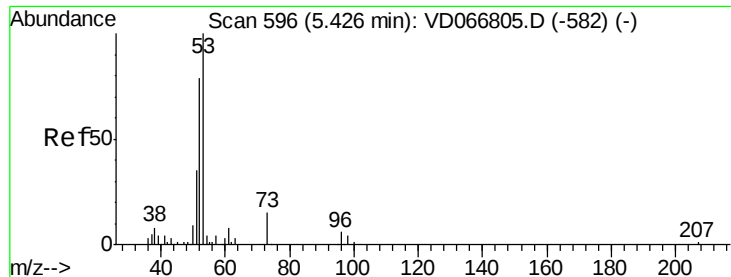


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 102.013 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD066842.D

Acq: 24 Sep 2020 11:09

Instrument :

MSVOA_D

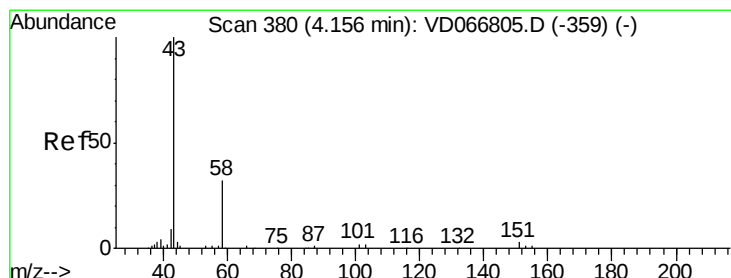
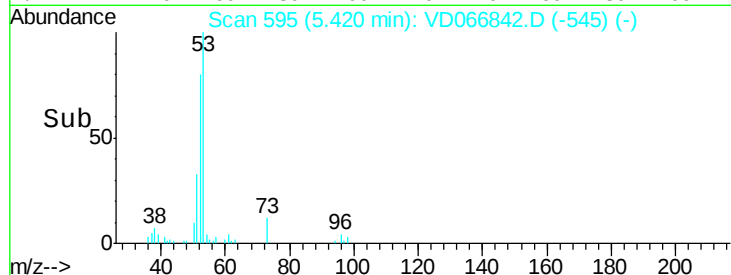
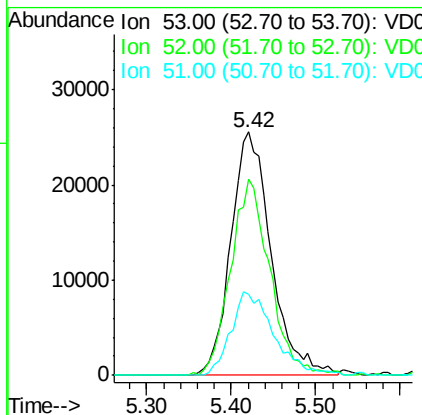
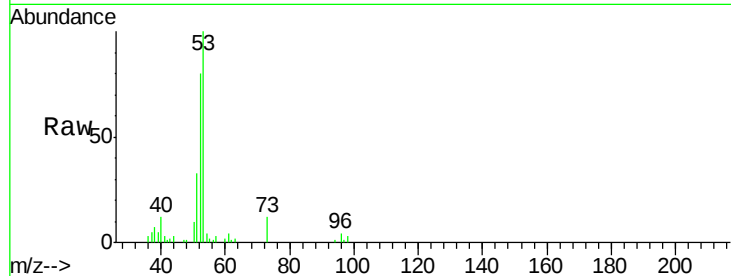
ClientSampleId :

VD0924SBS01

Tot Ion:	53	Resp:	84213
Ion	Ratio	Lower	Upper
53	100		
52	78.5	65.2	97.8
51	36.5	30.6	46.0

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#16

Acetone

Concen: 86.389 ug/l

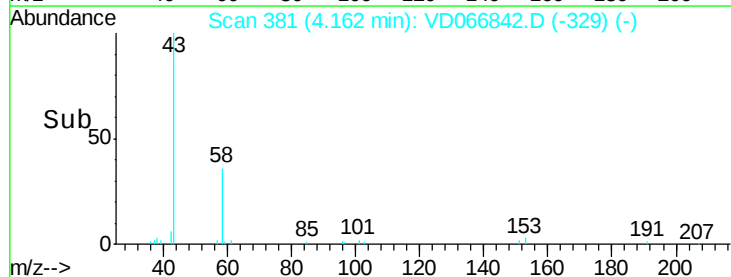
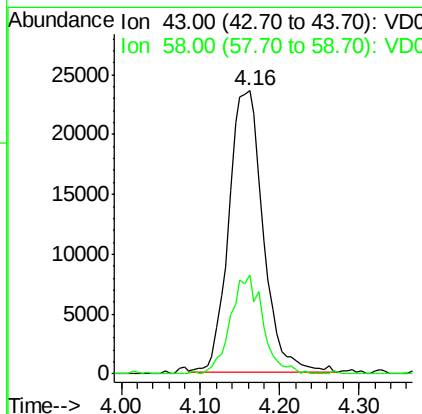
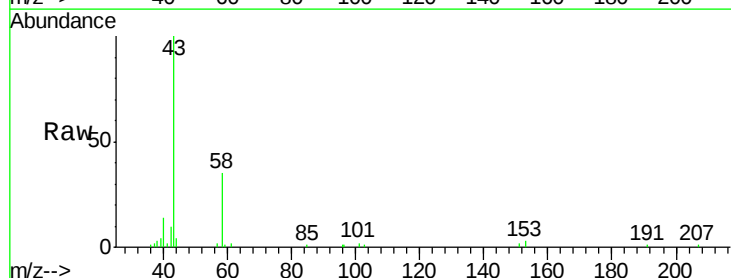
RT: 4.16 min Scan# 381

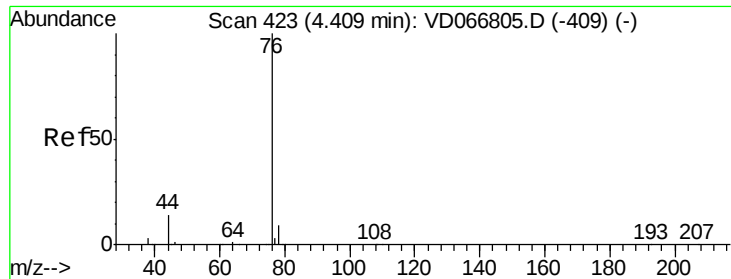
Delta R.T. 0.01 min

Lab File: VD066842.D

Acq: 24 Sep 2020 11:09

Tgt Ion:	43	Resp:	70600
Ion	Ratio	Lower	Upper
43	100		
58	35.3	25.6	38.4





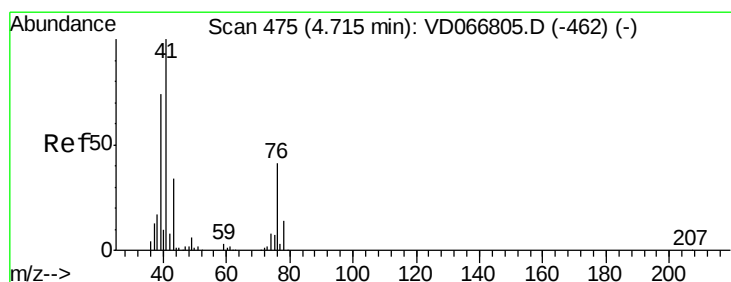
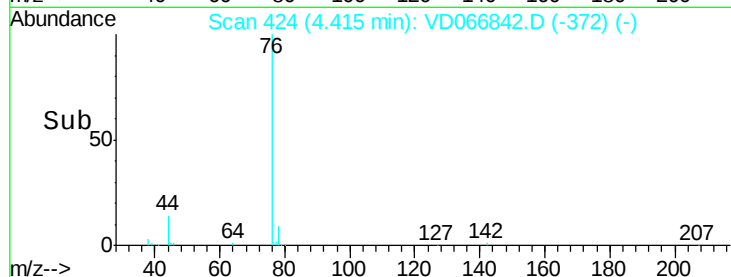
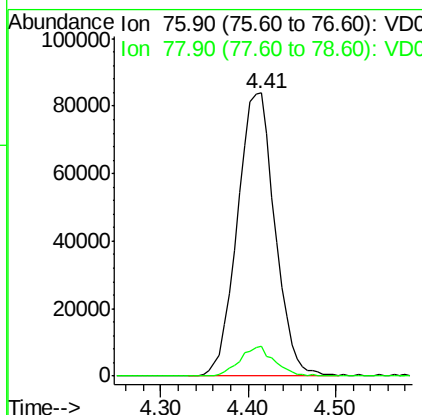
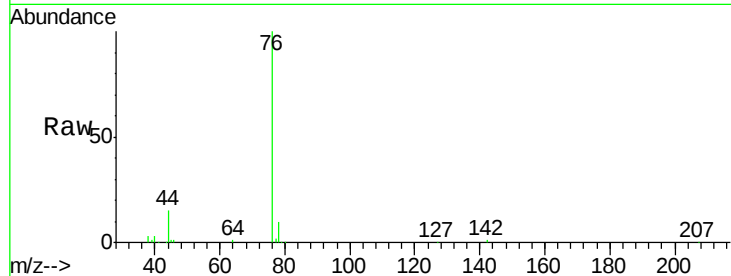
#17
Carbon Disulfide
Concen: 20.752 ug/l
RT: 4.41 min Scan# 424
Delta R.T. 0.01 min
Lab File: VD066842.D
Acq: 24 Sep 2020 11:09

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.5	7.6	11.4

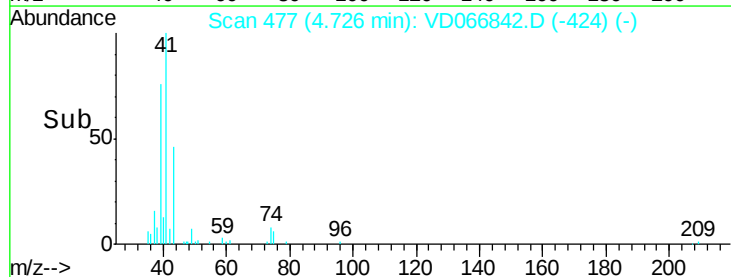
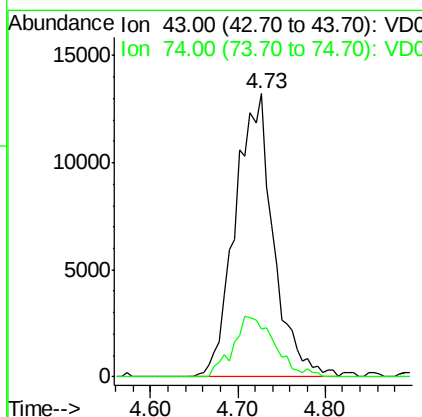
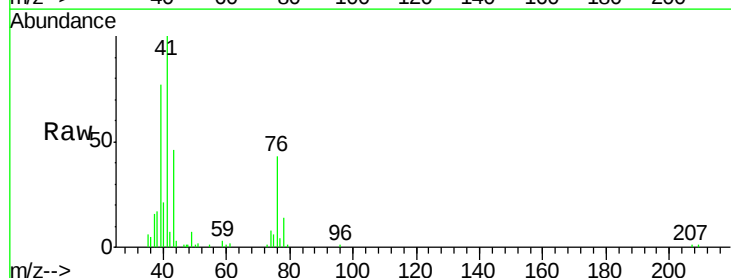
Manual Integrations
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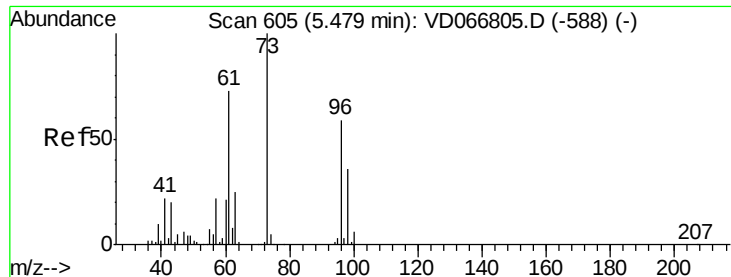
MMDadoda
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#18
Methyl Acetate
Concen: 19.327 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD066842.D
Acq: 24 Sep 2020 11:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	20.3	30.5





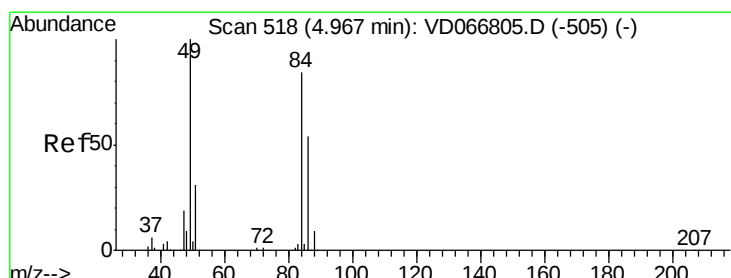
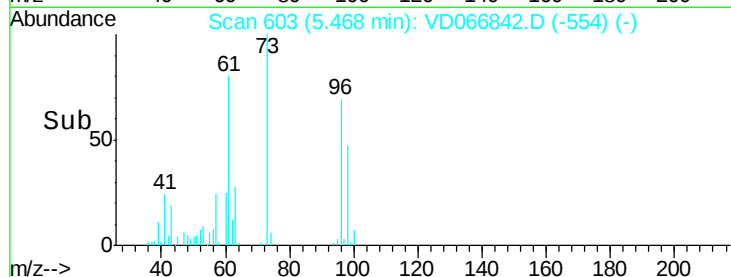
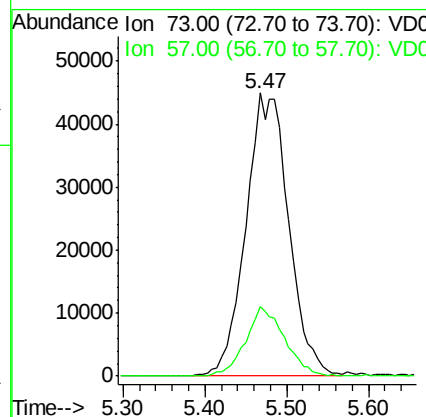
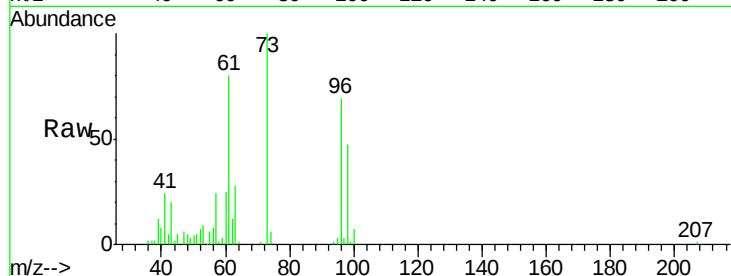
#19
Methyl tert-butyl Ether
Concen: 19.481 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD066842.D
Acq: 24 Sep 2020 11:09

Instrument :
MSVOA_D
ClientSampleID :
VD0924SBS01

Tot Ion: 73 Resp: 163063
Ion Ratio Lower Upper
73 100
57 24.5 17.4 26.2

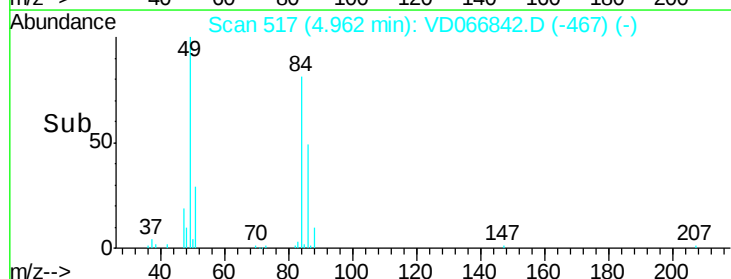
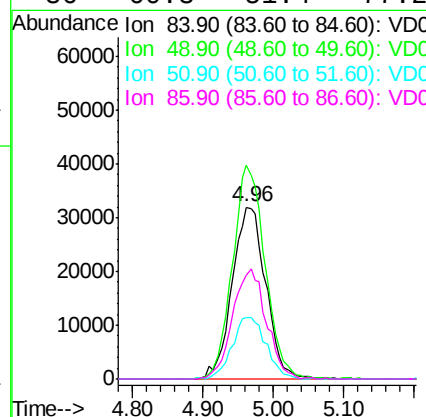
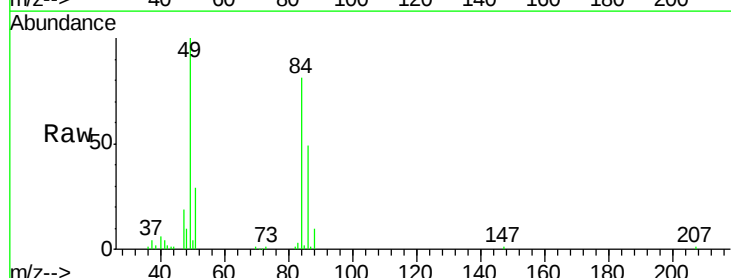
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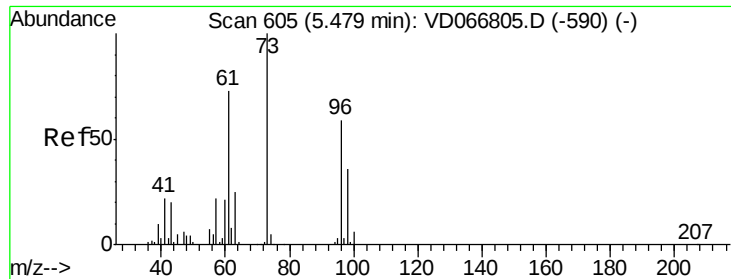
MMDadoda
9/25/2020 4:00:00 PM



#20
Methylene Chloride
Concen: 20.574 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066842.D
Acq: 24 Sep 2020 11:09

Tgt Ion: 84 Resp: 105855
Ion Ratio Lower Upper
84 100
49 124.1 95.4 143.2
51 35.8 29.7 44.5
86 60.3 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 20.760 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD066842.D

Acq: 24 Sep 2020 11:09

Instrument :

MSVOA_D

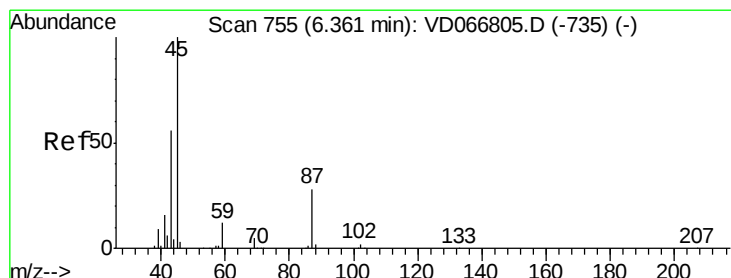
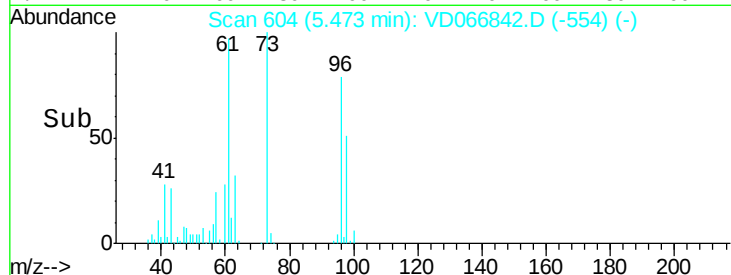
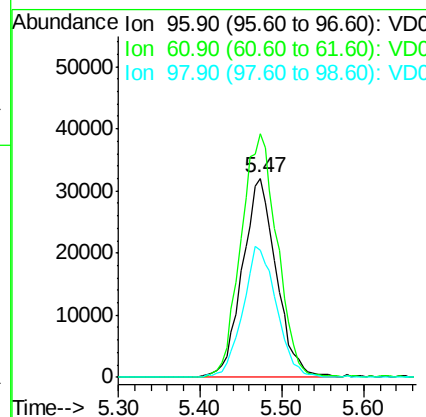
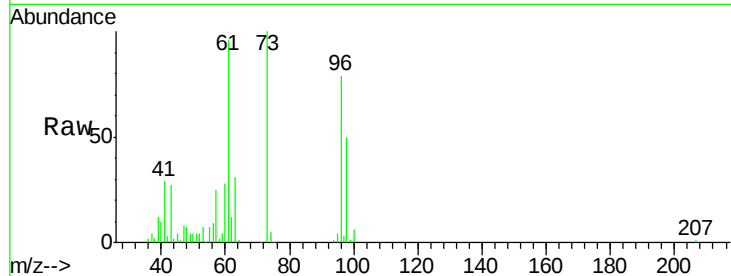
ClientSampleId :

VD0924SBS01

Tot Ion:	96	Resp:	92647
Ion	Ratio	Lower	Upper
96	100		
61	122.3	98.9	148.3
98	63.8	48.4	72.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.796 ug/l

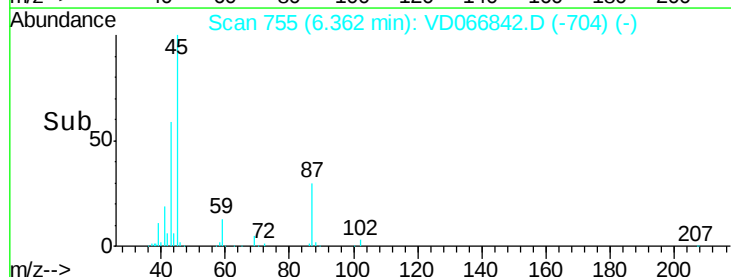
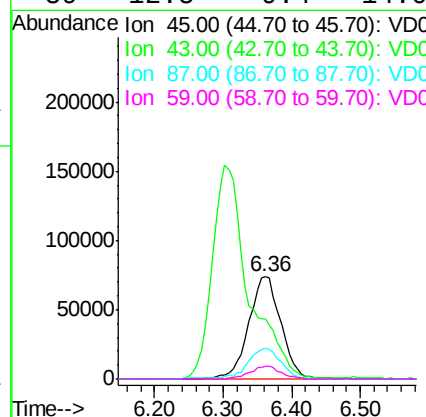
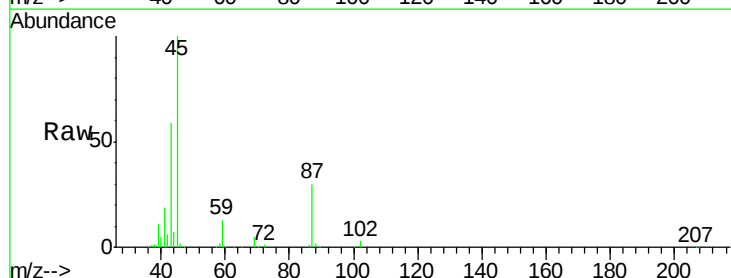
RT: 6.36 min Scan# 755

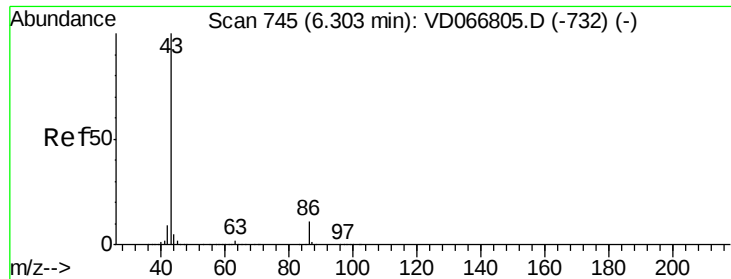
Delta R.T. 0.00 min

Lab File: VD066842.D

Acq: 24 Sep 2020 11:09

Tgt Ion:	45	Resp:	241999
Ion	Ratio	Lower	Upper
45	100		
43	58.1	44.5	66.7
87	30.4	22.9	34.3
59	12.5	9.4	14.0





#23

Vinyl Acetate

Concen: 91.781 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066842.D

Acq: 24 Sep 2020 11:09

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBS01

Tot Ion: 43 Resp: 569071

Ion Ratio Lower Upper

43 100

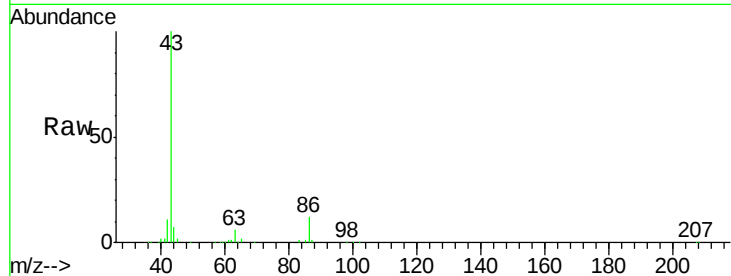
86 11.9 8.9 13.3

Manual Integrations

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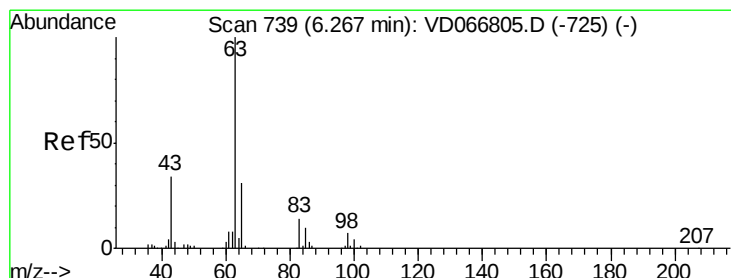
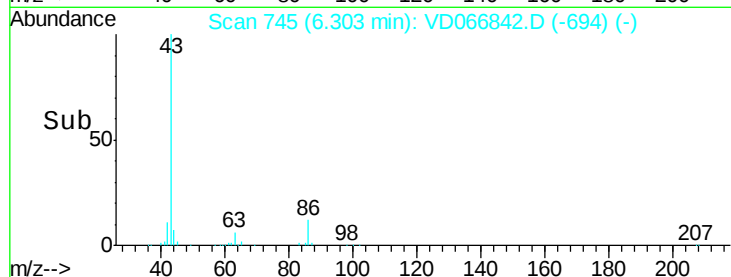
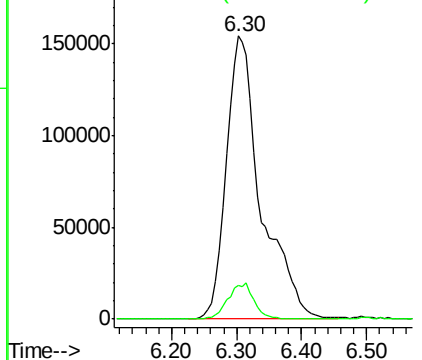
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.022 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD066842.D

Acq: 24 Sep 2020 11:09

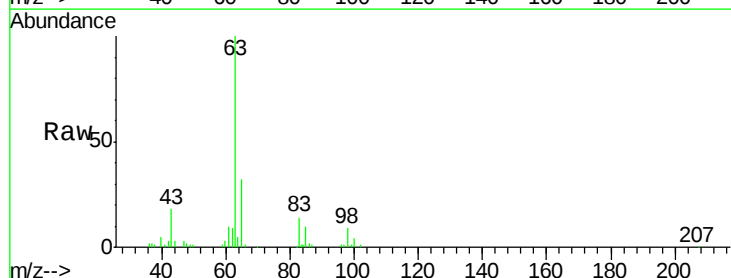
Tgt Ion: 63 Resp: 155869

Ion Ratio Lower Upper

63 100

98 8.9 3.7 11.1

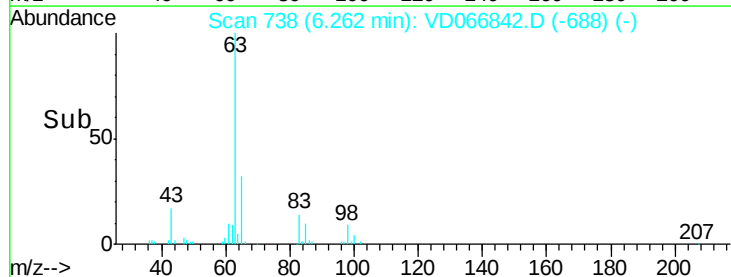
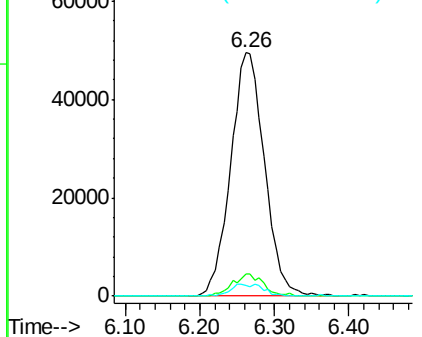
100 4.3 1.8 5.5

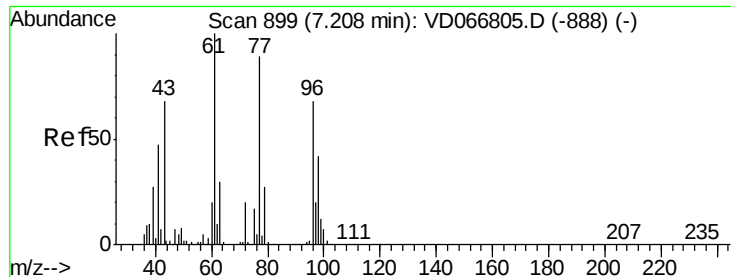


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 94.797 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066842.D

Acq: 24 Sep 2020 11:09

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBS01

Tot Ion: 43 Resp: 93100

Ion Ratio Lower Upper

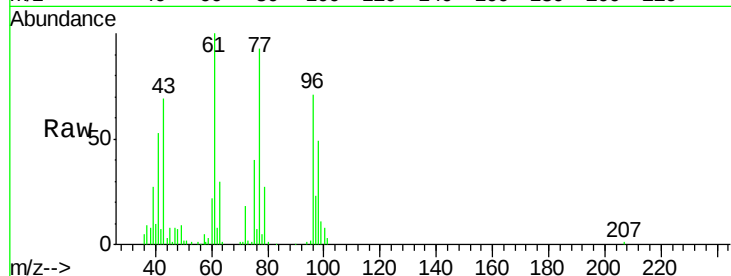
43 100

72 25.8 22.9 34.3

Manual Integrations
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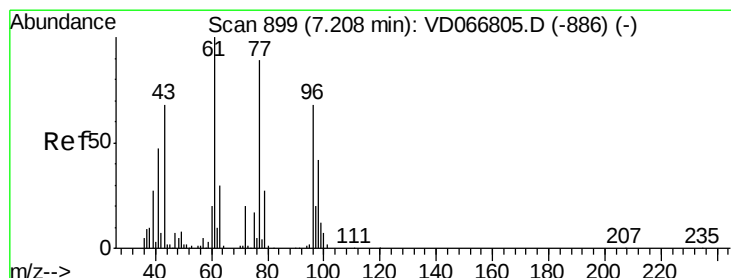
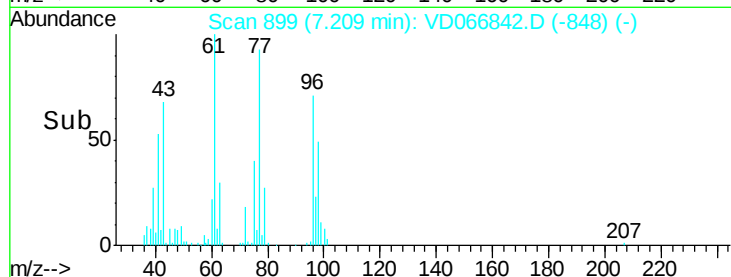
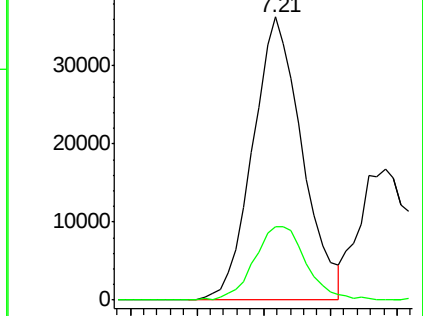
MMDadoda

9/25/2020 4:00:00 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.805 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066842.D

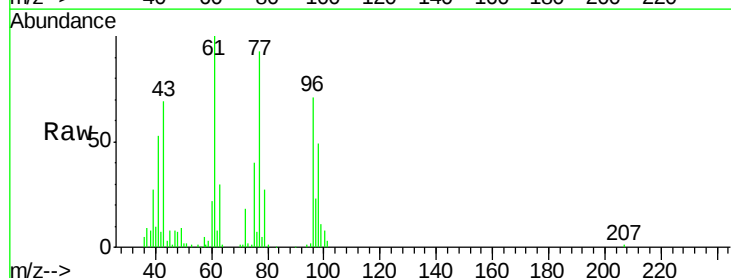
Acq: 24 Sep 2020 11:09

Tgt Ion: 77 Resp: 141314

Ion Ratio Lower Upper

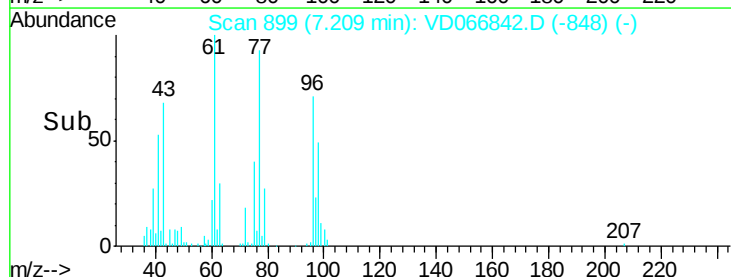
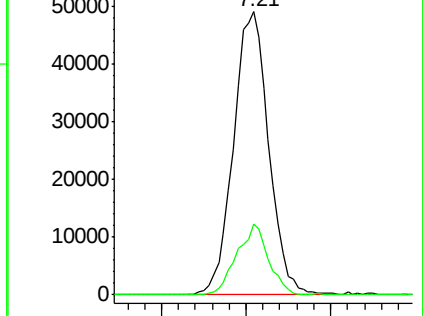
77 100

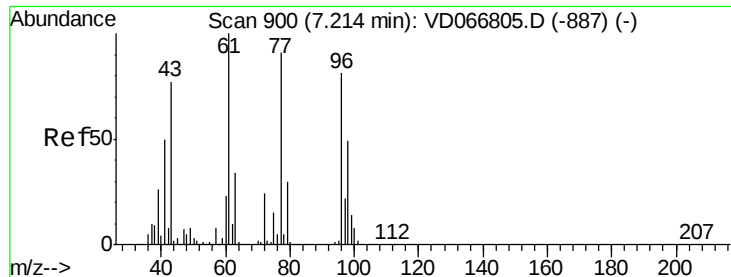
97 22.5 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

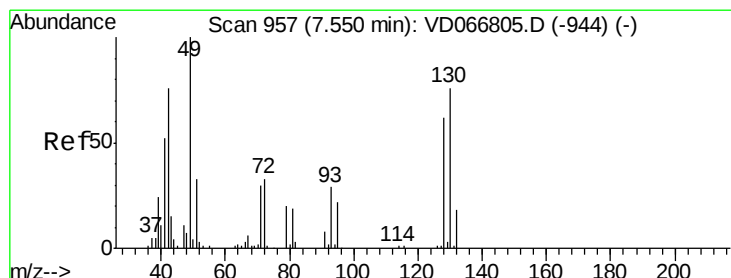
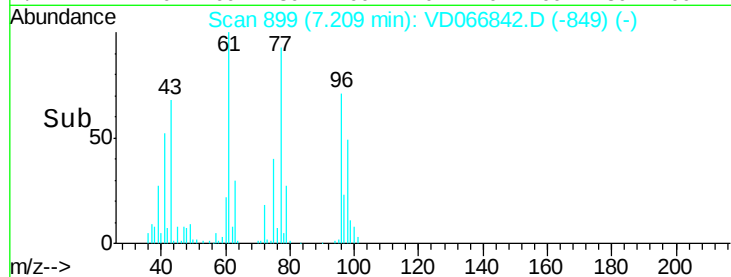
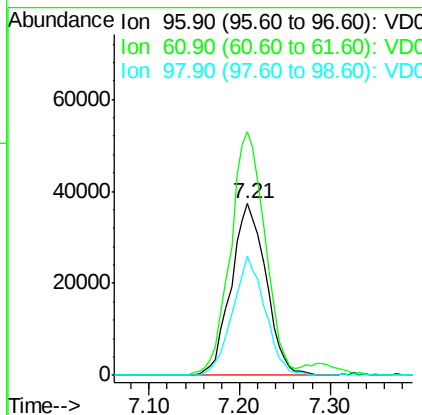
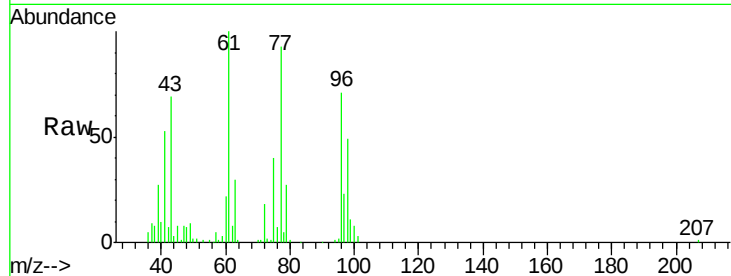
cis-1,2-Dichloroethene
 Concen: 20.555 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD066842.D
 Acq: 24 Sep 2020 11:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0924SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	141.1	0.0	283.8	
98	64.9	0.0	128.4	

Manual Integrations
 APPROVED

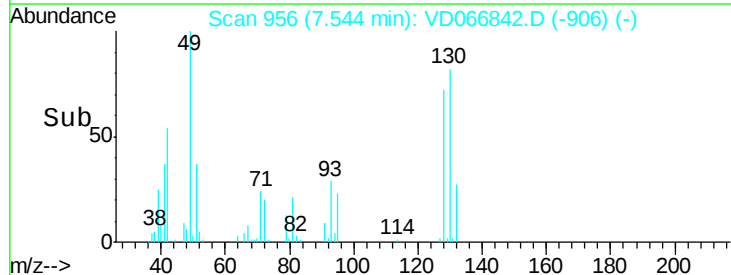
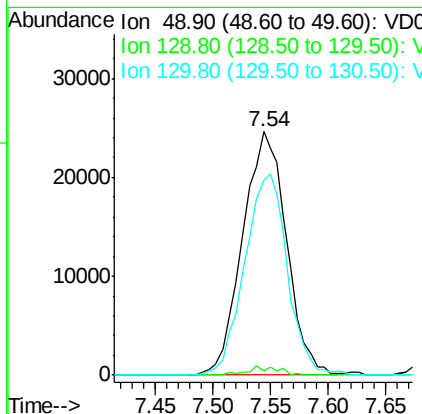
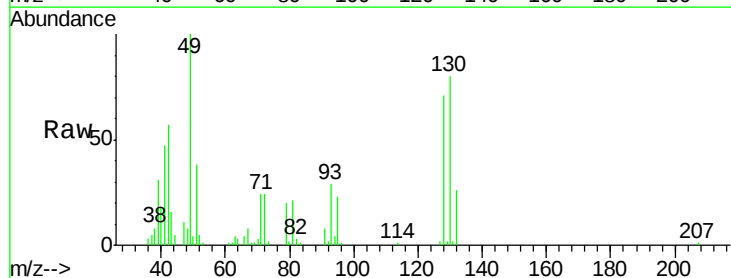
MMDadoda
 9/25/2020 4:00:00 PM

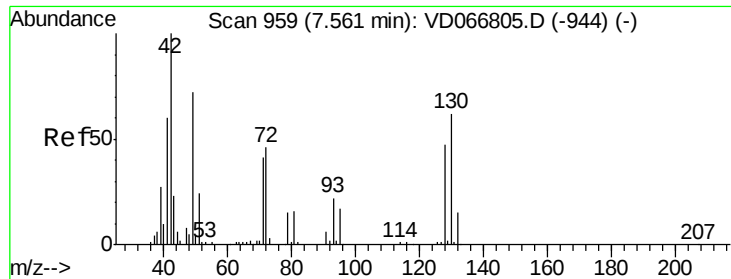


#28

Bromochloromethane
 Concen: 20.227 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD066842.D
 Acq: 24 Sep 2020 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.3	0.0	2.0	
130	80.7	65.9	98.9	





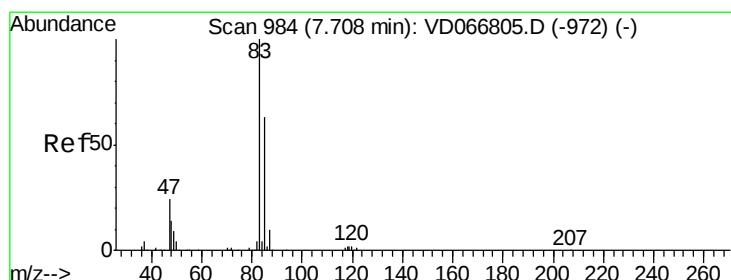
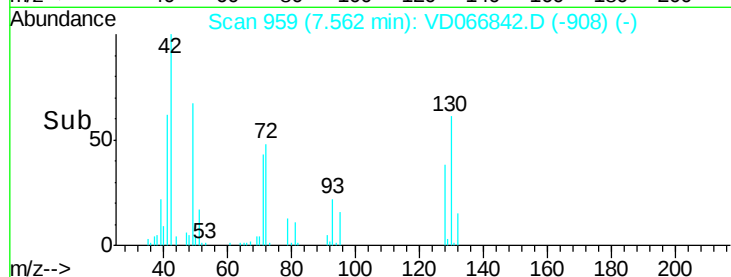
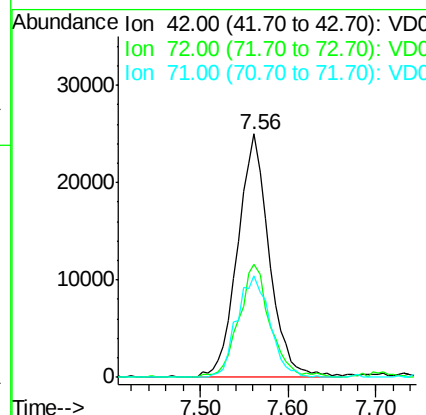
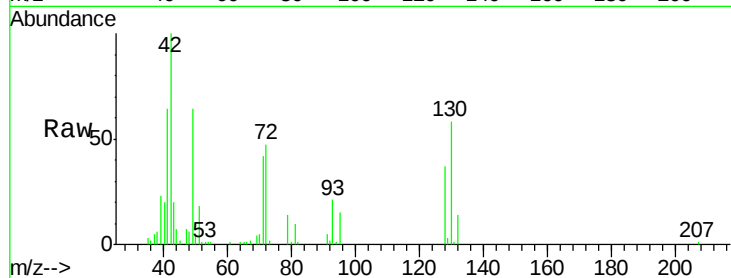
#29
Tetrahydrofuran
Concen: 97.645 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD066842.D
Acq: 24 Sep 2020 11:09

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	36.2	54.4
71	43.2	32.4	48.6

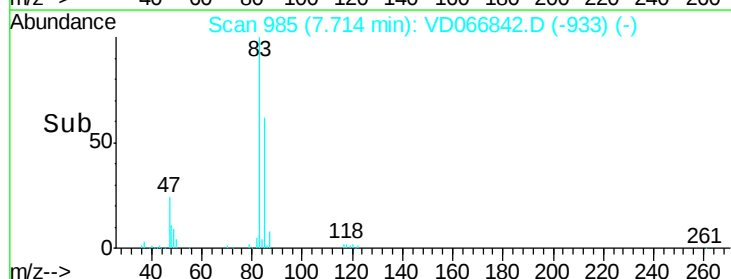
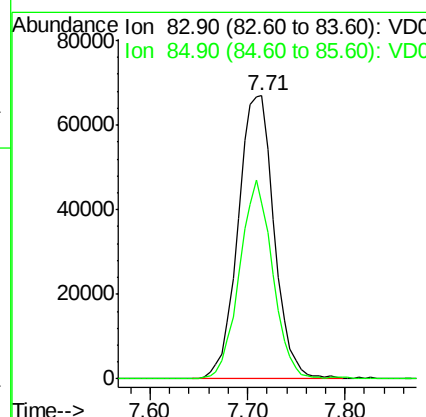
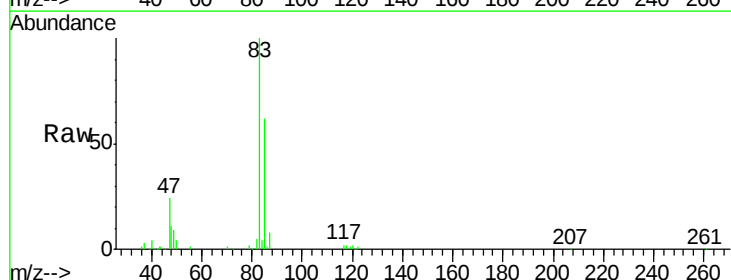
Manual Integrations
APPROVED

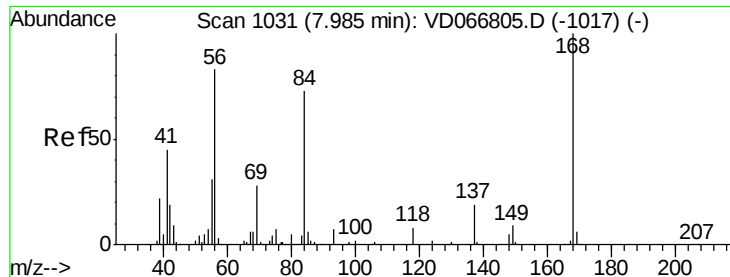
MMDadoda
9/25/2020 4:00:00 PM



#30
Chloroform
Concen: 20.538 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD066842.D
Acq: 24 Sep 2020 11:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.0	50.6	75.8





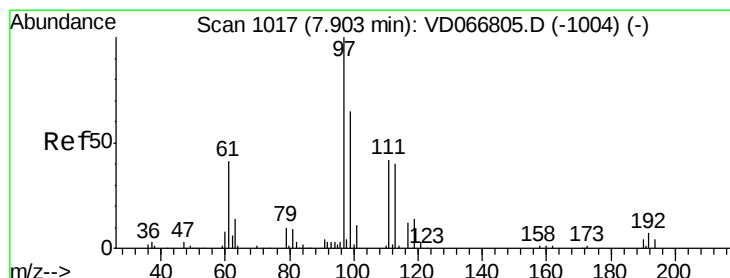
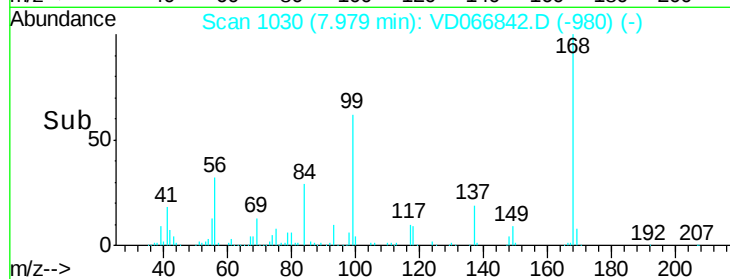
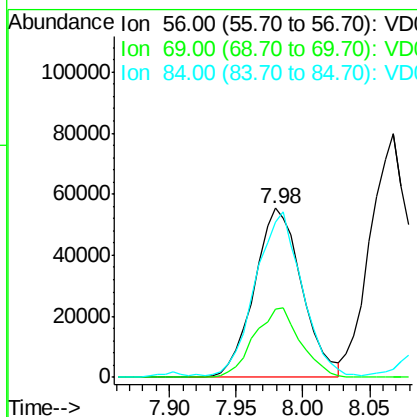
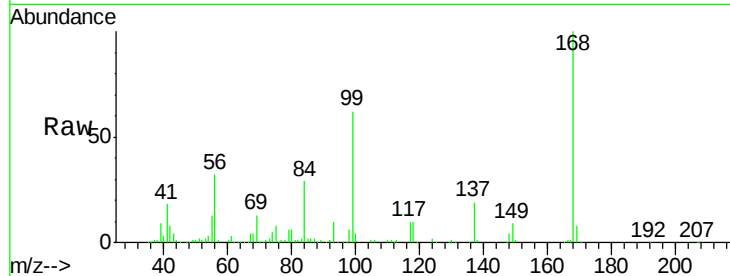
#31
Cyclohexane
Concen: 19.529 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066842.D
Acq: 24 Sep 2020 11:09

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.3	27.0	40.4
84	90.8	70.2	105.4

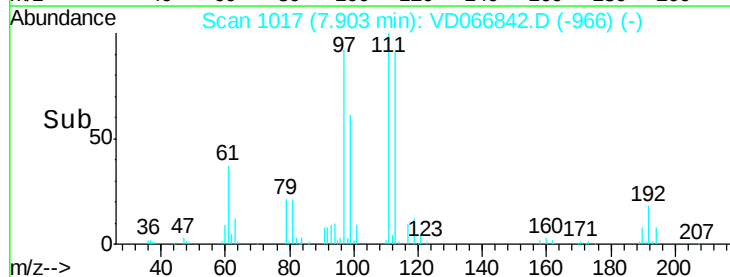
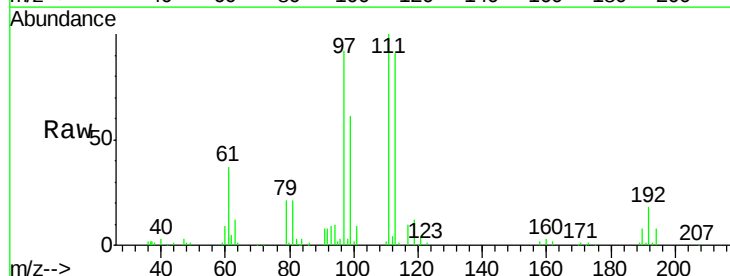
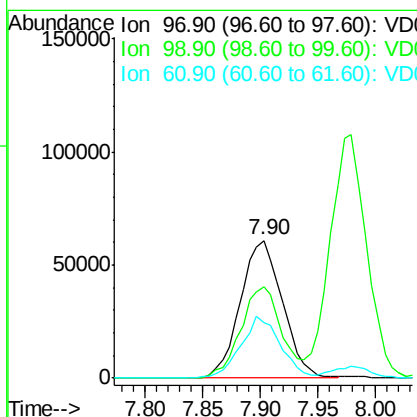
Manual Integrations
APPROVED

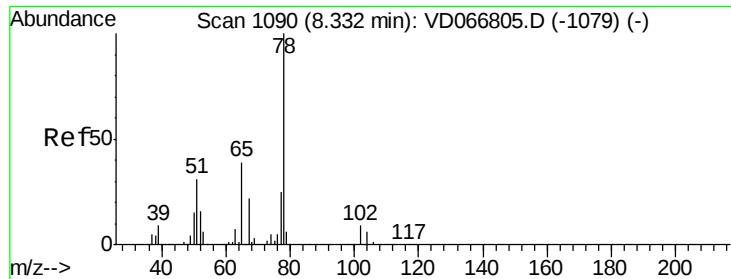
MMDadoda
9/25/2020 4:00:00 PM



#32
1,1,1-Trichloroethane
Concen: 20.409 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD066842.D
Acq: 24 Sep 2020 11:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.5	77.3
61	41.9	34.2	51.4





#33

1,2-Dichloroethane-d4

Concen: 48.568 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066842.D

Acq: 24 Sep 2020 11:09

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBS01

Tot Ion: 65 Resp: 187104

Ion Ratio Lower Upper

65 100

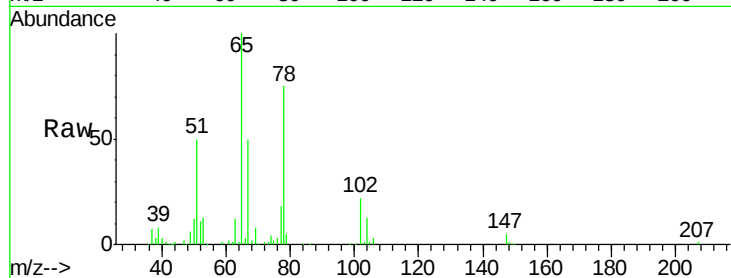
67 51.8 0.0 107.2

Manual Integrations

APPROVED

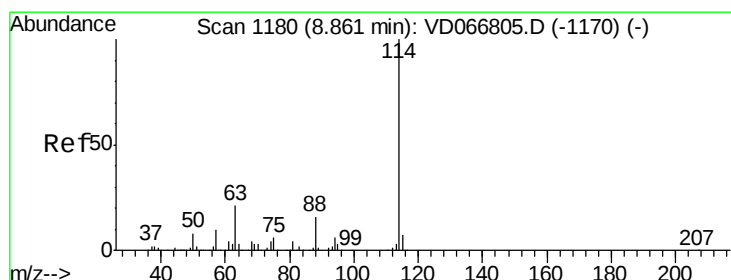
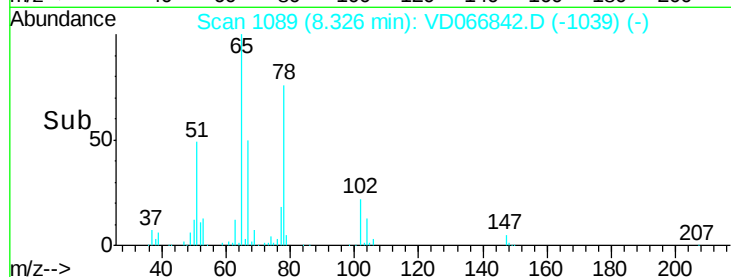
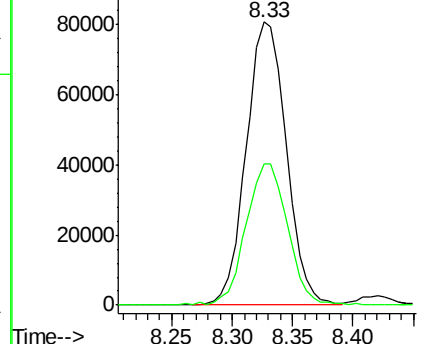
MMDadoda

9/25/2020 4:00:00 PM



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066842.D

Acq: 24 Sep 2020 11:09

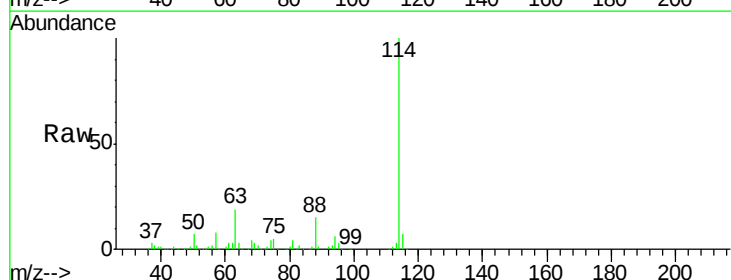
Tgt Ion: 114 Resp: 633617

Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.6

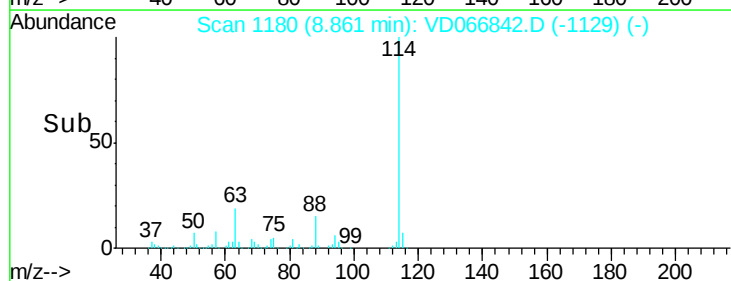
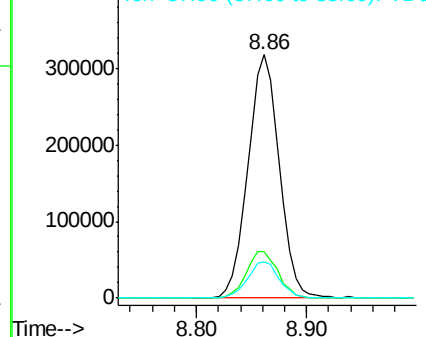
88 14.9 0.0 32.6

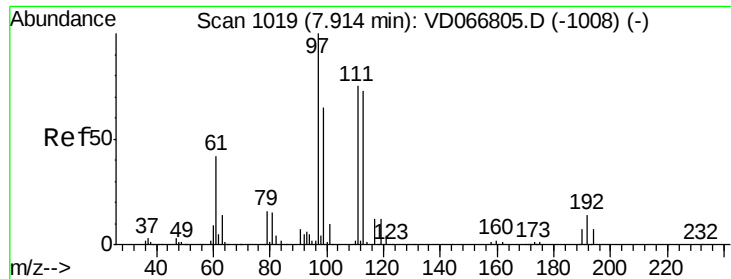


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





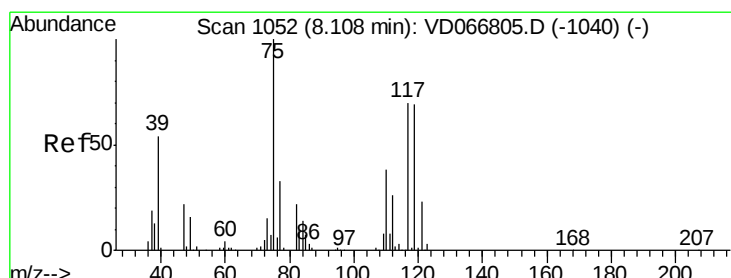
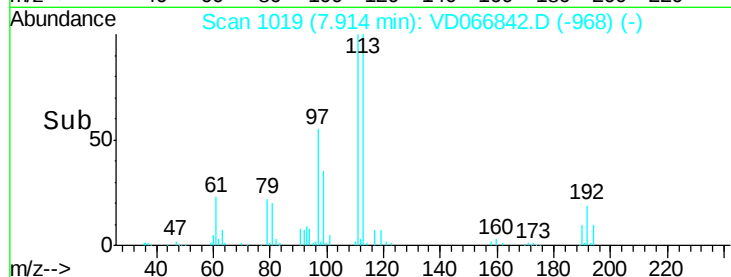
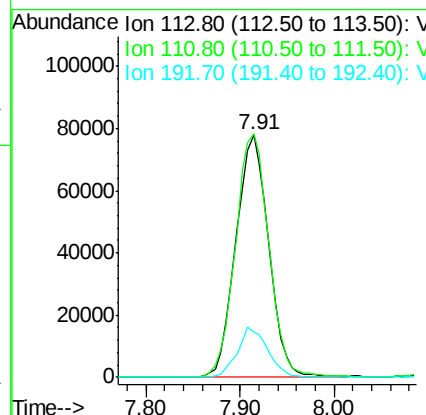
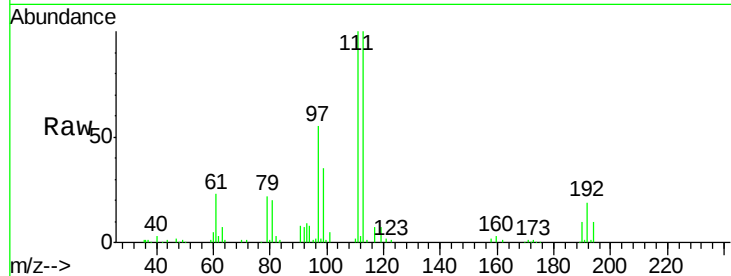
#35
 Dibromofluoromethane
 Concen: 46.895 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD066842.D
 Acq: 24 Sep 2020 11:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0924SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	189037		
111	102.6	81.8	122.8	
192	19.1	14.4	21.6	

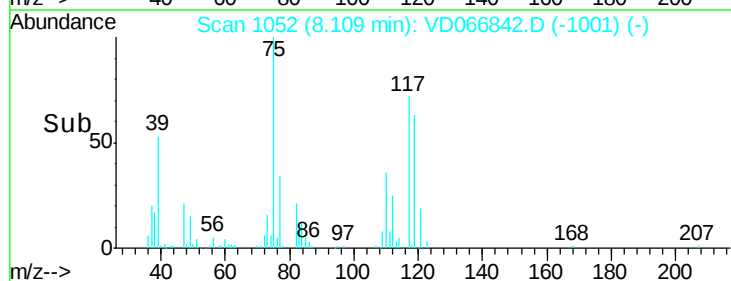
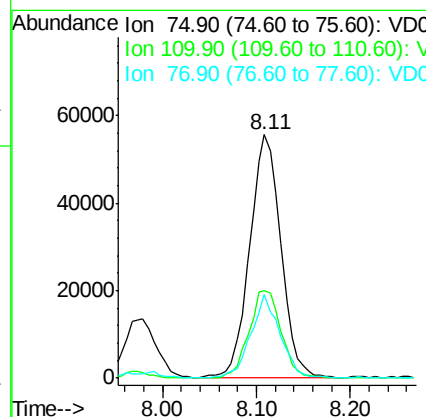
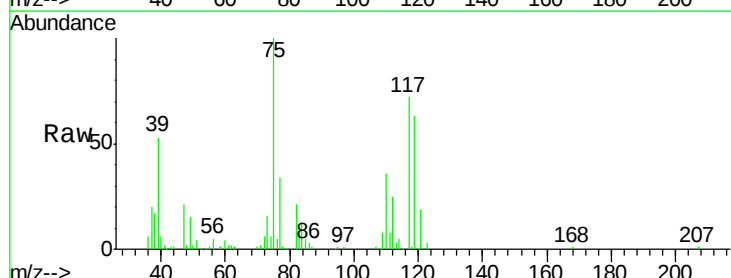
Manual Integrations
 APPROVED

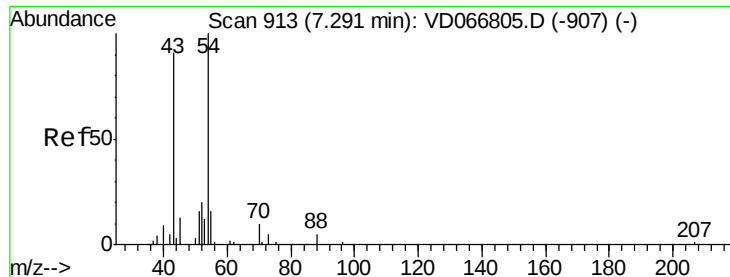
MMDadoda
 9/25/2020 4:00:00 PM



#36
 1,1-Dichloropropene
 Concen: 20.456 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066842.D
 Acq: 24 Sep 2020 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	128586		
110	36.9	17.9	53.8	
77	32.1	25.0	37.6	





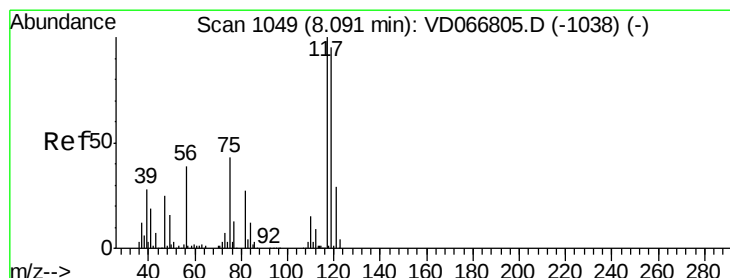
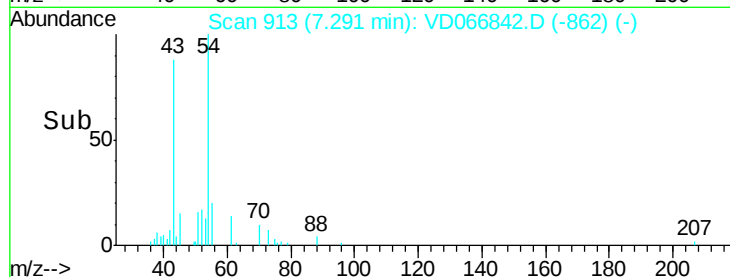
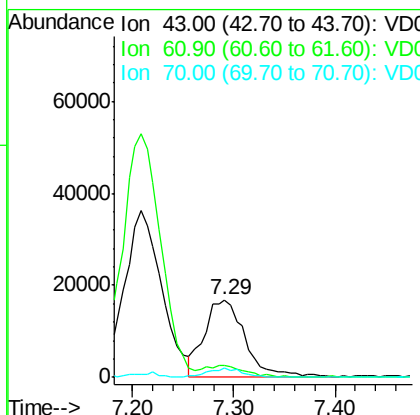
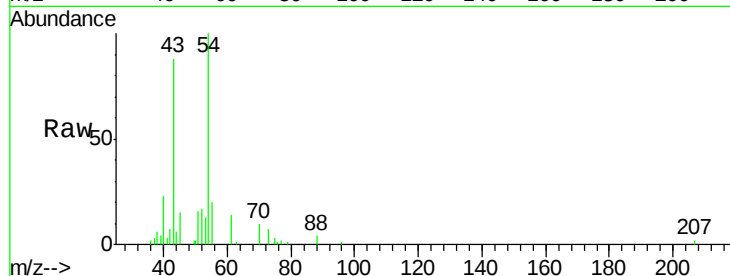
#37
Ethyl Acetate
Concen: 20.662 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD066842.D
Acq: 24 Sep 2020 11:09

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	13.1	9.8	14.8	
70	10.3	8.5	12.7	

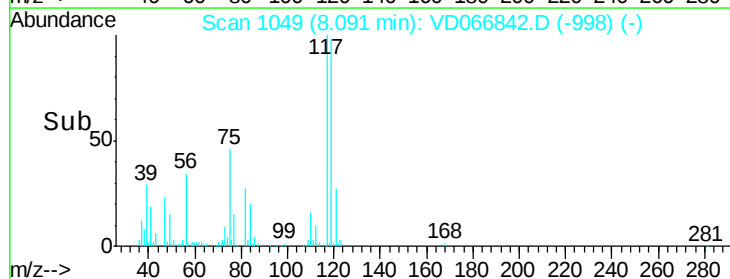
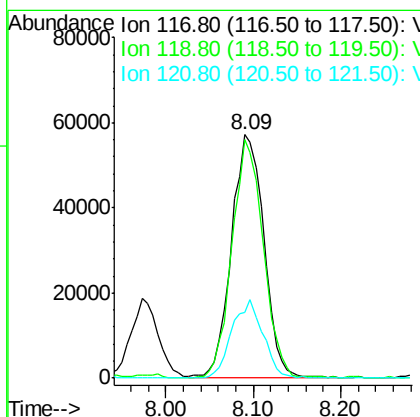
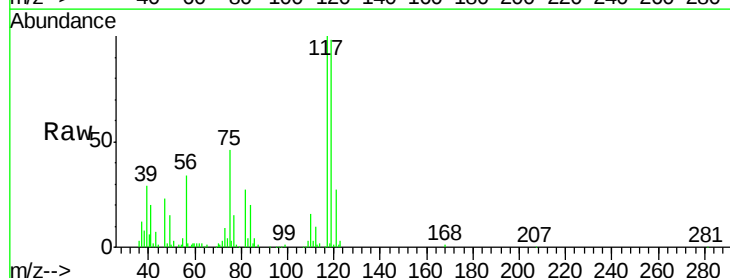
Manual Integrations
APPROVED

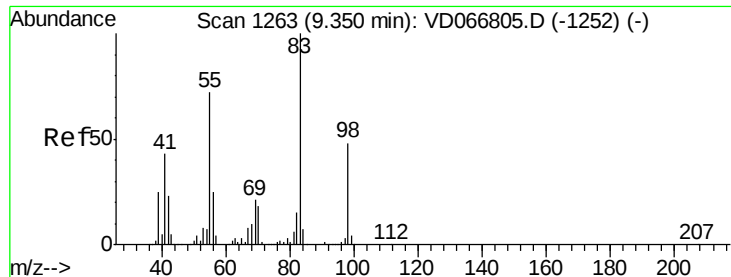
MMDadoda
9/25/2020 4:00:00 PM



#38
Carbon Tetrachloride
Concen: 21.014 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066842.D
Acq: 24 Sep 2020 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	97.9	75.8	113.8	
121	27.1	23.4	35.0	





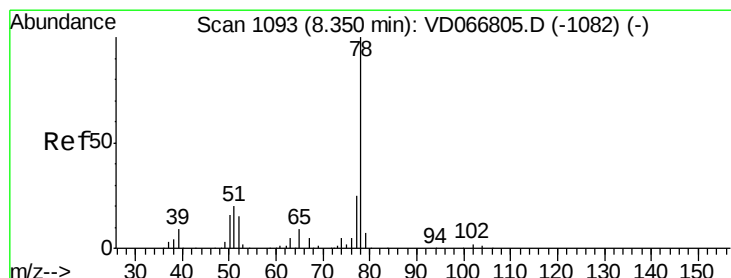
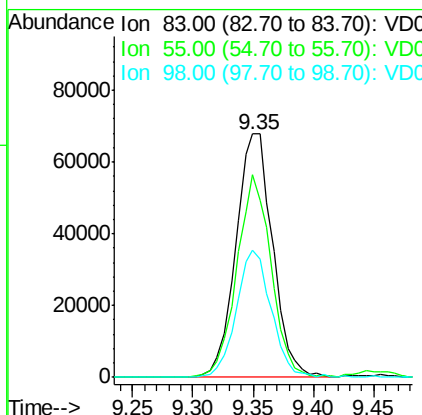
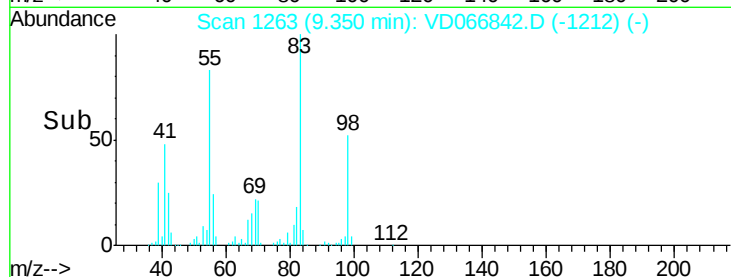
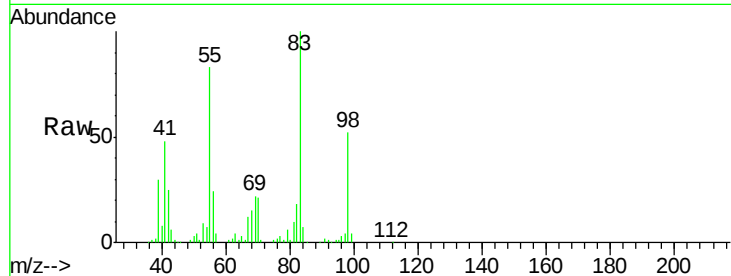
#39
Methvlcvclohexane
Concen: 19.989 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066842.D
Acq: 24 Sep 2020 11:09

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	144267		
55	83.5		57.7	86.5
98	52.2		38.4	57.6

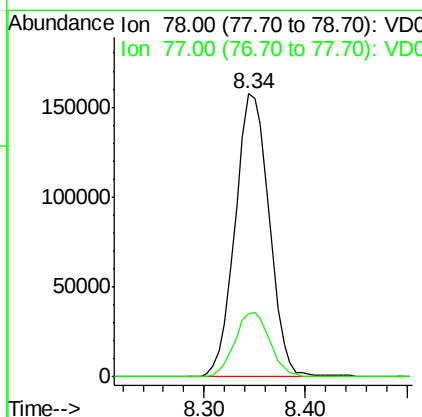
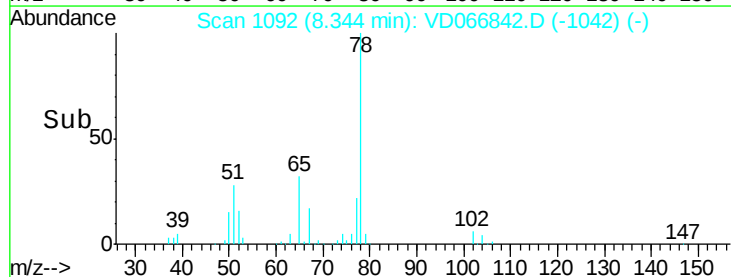
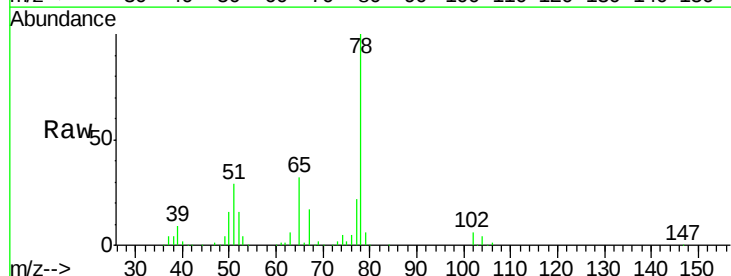
Manual Integrations
APPROVED

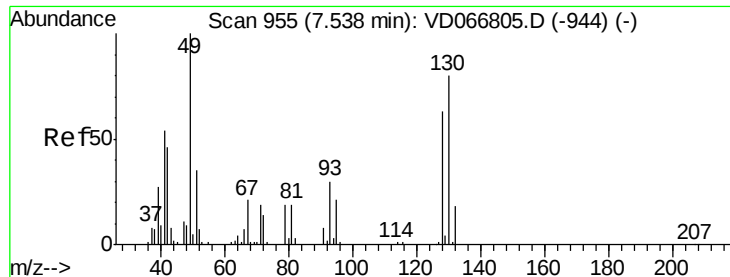
MMDadoda
9/25/2020 4:00:00 PM



#40
Benzene
Concen: 21.013 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VD066842.D
Acq: 24 Sep 2020 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	368126		
77	22.2		19.9	29.9





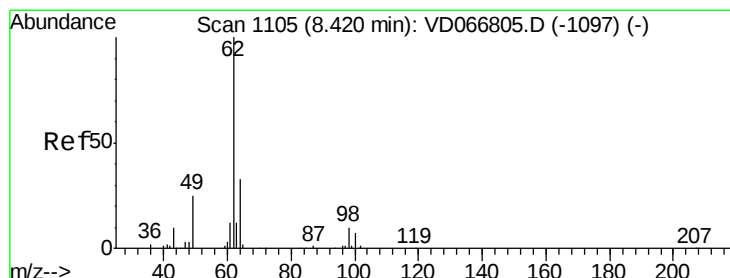
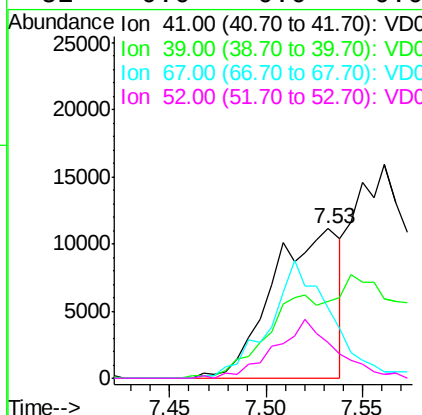
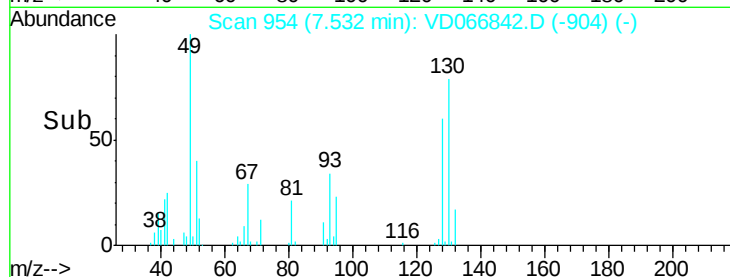
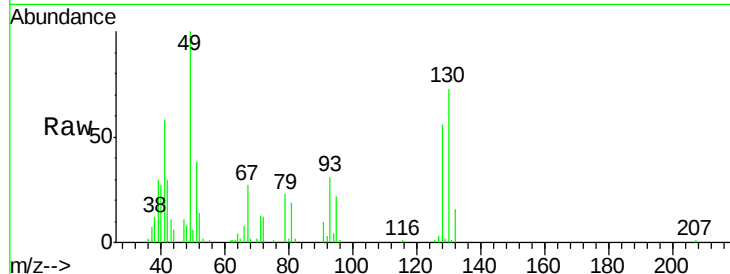
#41
Methacrylonitrile
Concen: 19.416 ug/l m
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD066842.D
Acq: 24 Sep 2020 11:09

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

Tot Ion	41	Resp	27134
Ion	Ratio	Lower	Upper
41	100		
39	73.7	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

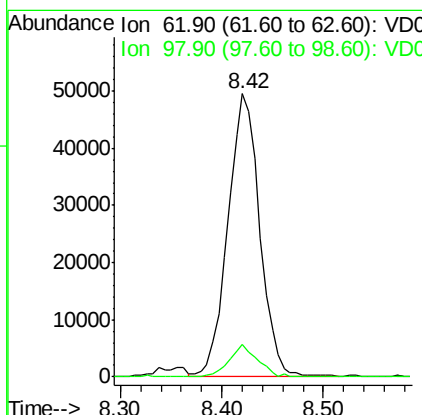
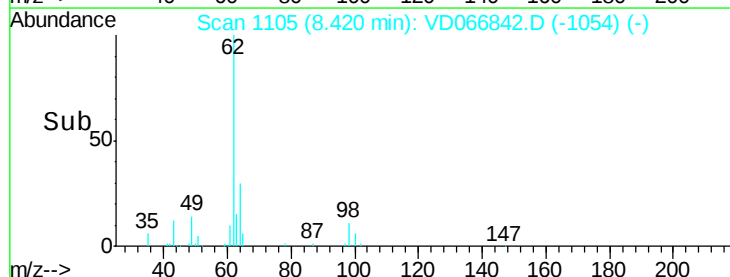
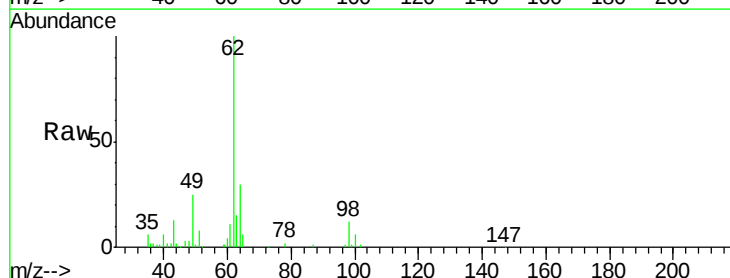
Manual Integrations
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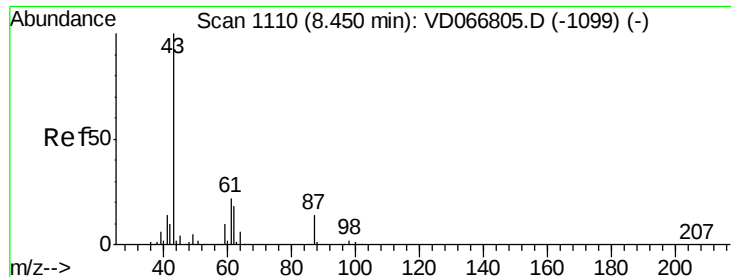
MMDadoda
9/25/2020 4:00:00 PM



#42
1,2-Dichloroethane
Concen: 20.836 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066842.D
Acq: 24 Sep 2020 11:09

Tgt Ion	62	Resp	107910
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	19.8





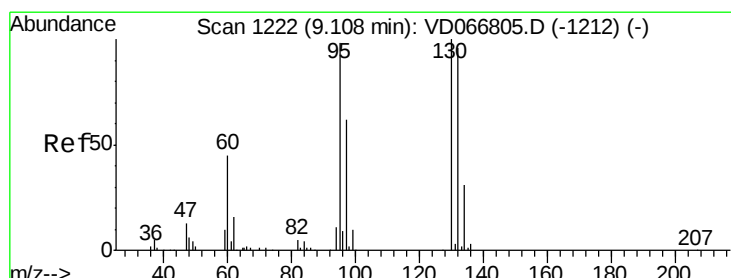
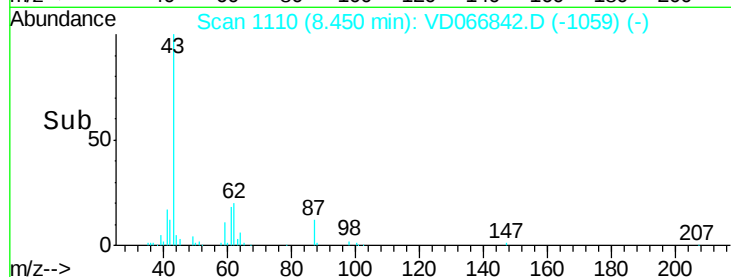
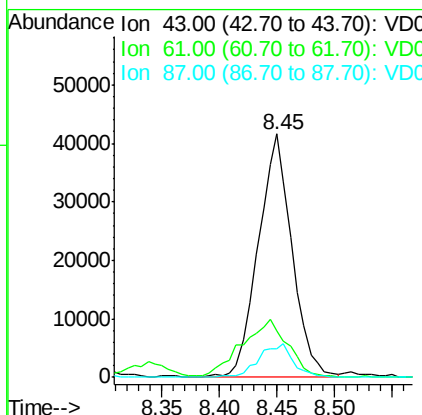
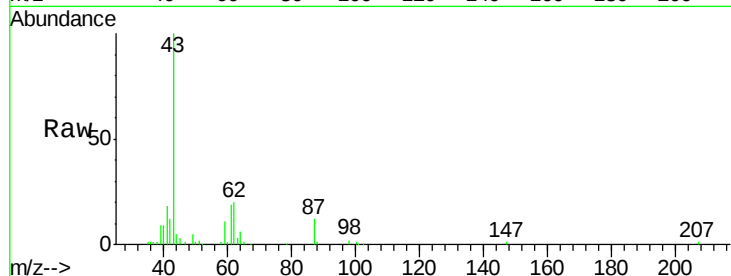
#43
Isopropyl Acetate
Concen: 19.391 ug/l
RT: 8.45 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VD066842.D
Acq: 24 Sep 2020 11:09

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.8	26.2	39.4
87	13.9	11.5	17.3

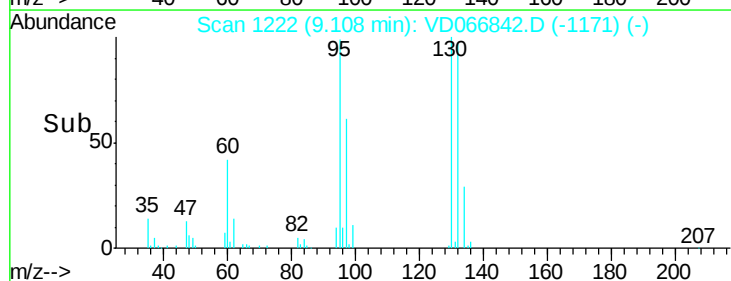
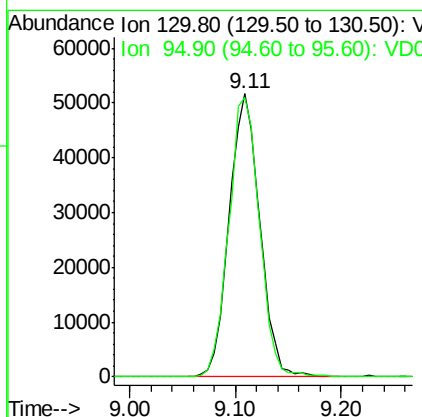
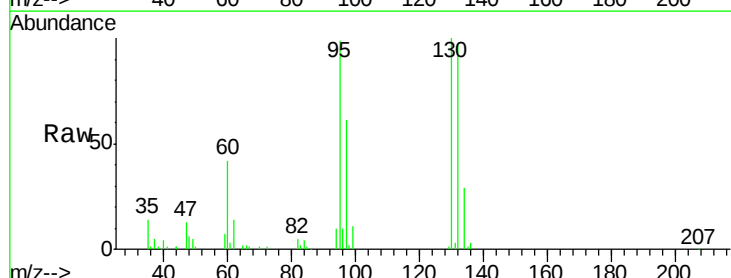
Manual Integrations
APPROVED

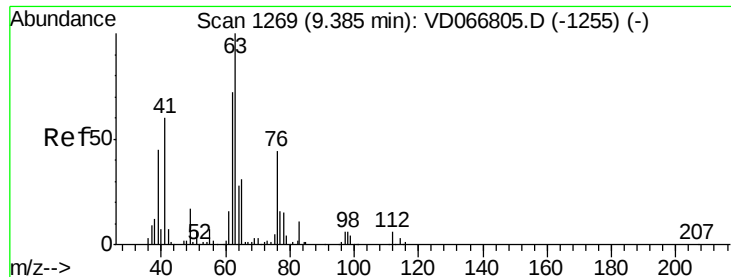
MMDadoda
9/25/2020 4:00:00 PM



#44
Trichloroethene
Concen: 20.670 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VD066842.D
Acq: 24 Sep 2020 11:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.8	0.0	197.0





#45

1,2-Dichloropropane

Concen: 20.288 ug/l

RT: 9.38 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VD066842.D

Acq: 24 Sep 2020 11:09

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBS01

Tot Ion: 63 Resp: 89425

Ion Ratio Lower Upper

63 100

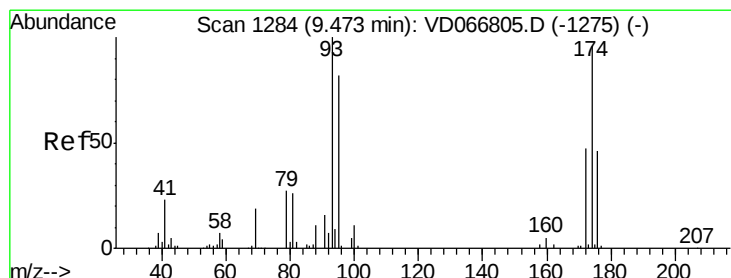
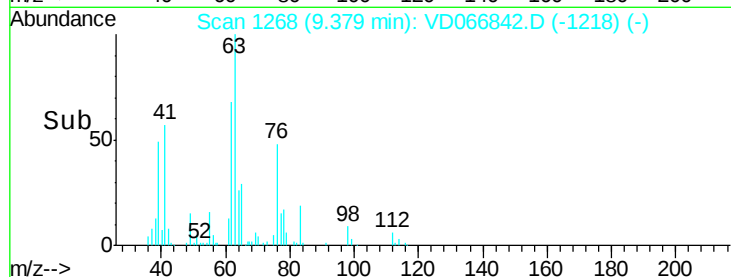
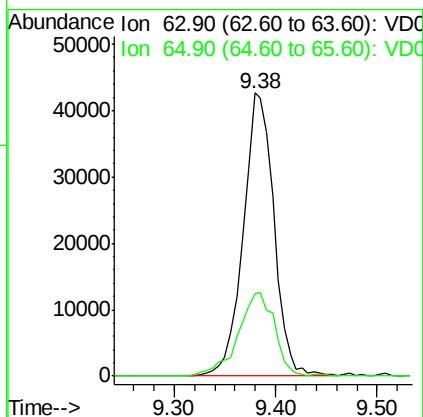
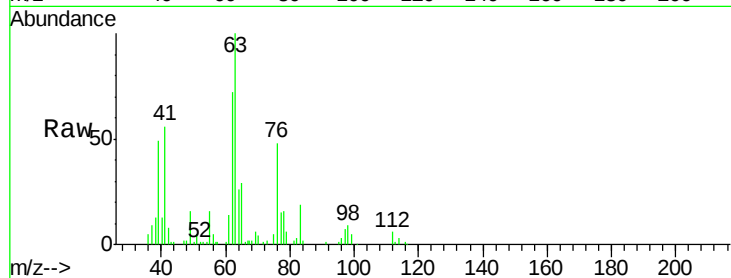
65 29.2 24.7 37.1

Manual Integrations

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#46

Dibromomethane

Concen: 20.826 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066842.D

Acq: 24 Sep 2020 11:09

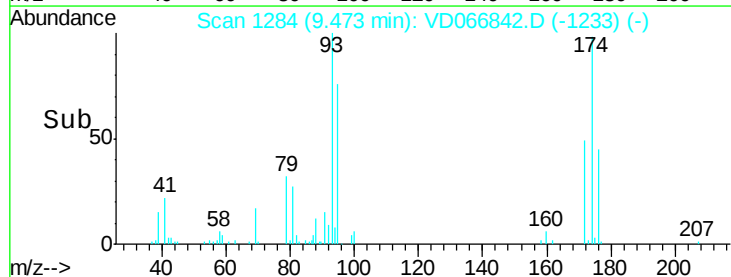
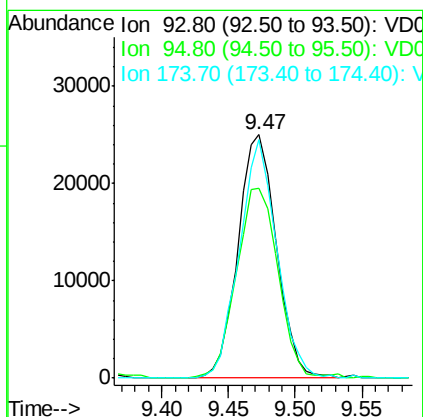
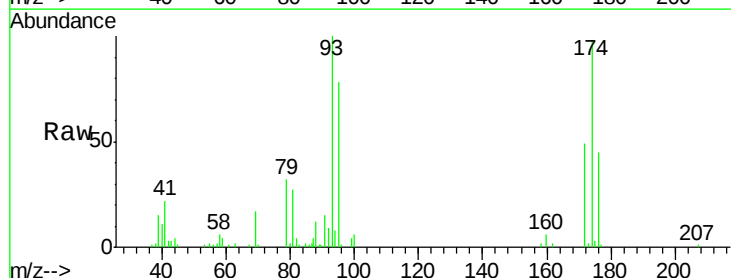
Tgt Ion: 93 Resp: 49875

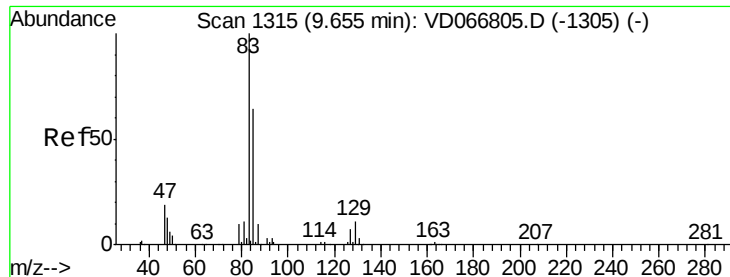
Ion Ratio Lower Upper

93 100

95 84.9 65.3 97.9

174 95.6 75.4 113.2





#47

Bromodichloromethane

Concen: 20.451 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VD066842.D

Acq: 24 Sep 2020 11:09

Instrument :

MSVOA_D

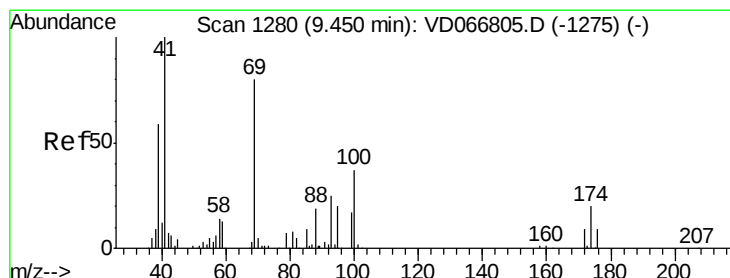
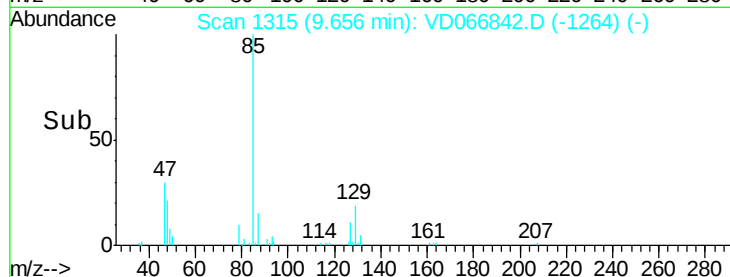
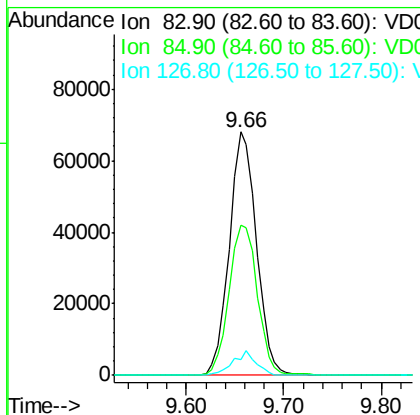
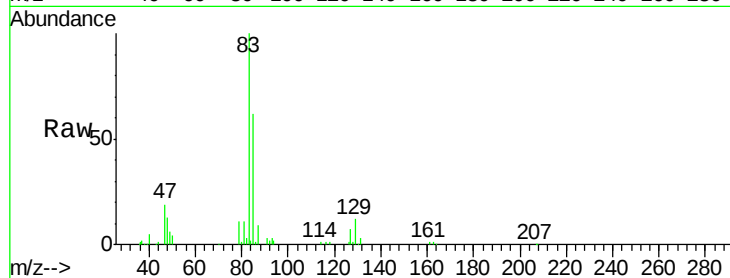
ClientSampleId :

VD0924SBS01

Tot Ion:	83	Resp:	131568
Ion Ratio	Lower	Upper	
83	100		
85	61.9	50.9	76.3
127	6.6	5.9	8.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.231 ug/l

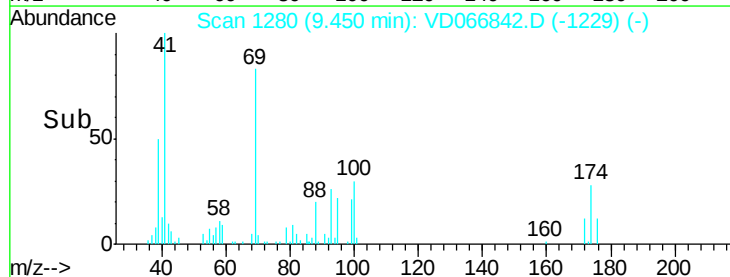
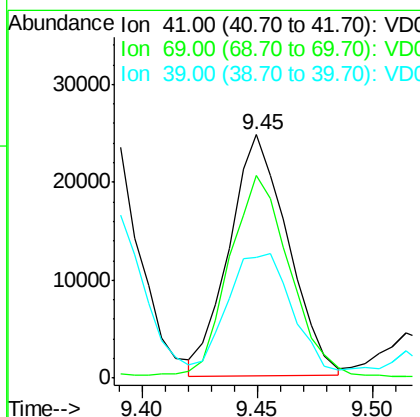
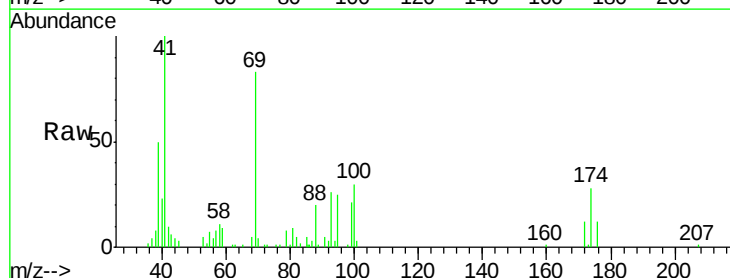
RT: 9.45 min Scan# 1280

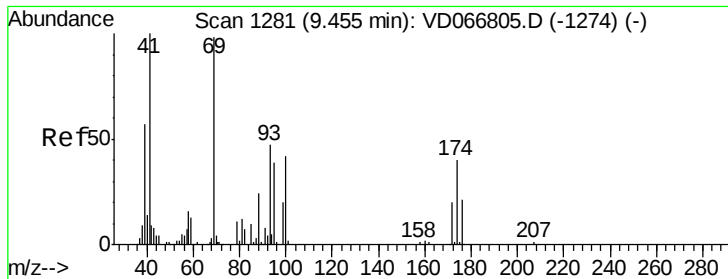
Delta R.T. 0.00 min

Lab File: VD066842.D

Acq: 24 Sep 2020 11:09

Tgt Ion:	41	Resp:	43701
Ion Ratio	Lower	Upper	
41	100		
69	86.1	74.5	111.7
39	51.0	47.0	70.6





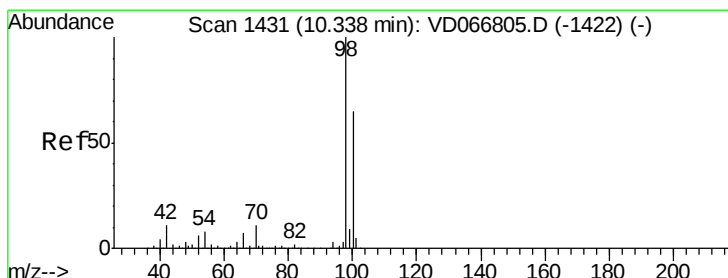
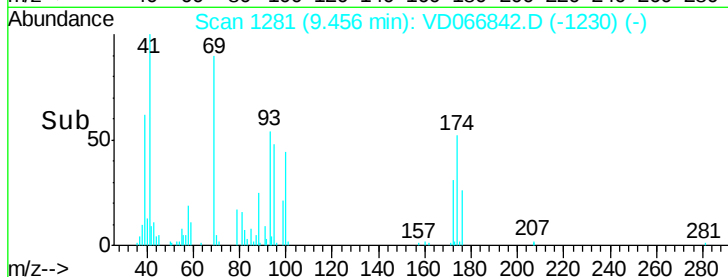
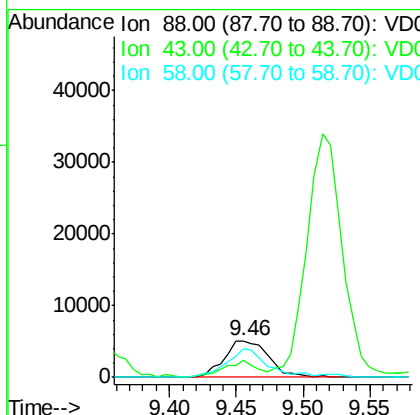
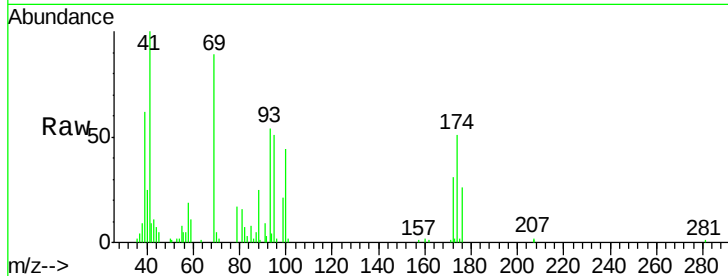
#49
1,4-Dioxane
Concen: 365.020 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD066842.D
Acq: 24 Sep 2020 11:09

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

Tot Ion	88	Resp	11703
Ion	Ratio	Lower	Upper
88	100		
43	34.8	27.7	41.5
58	67.6	55.5	83.3

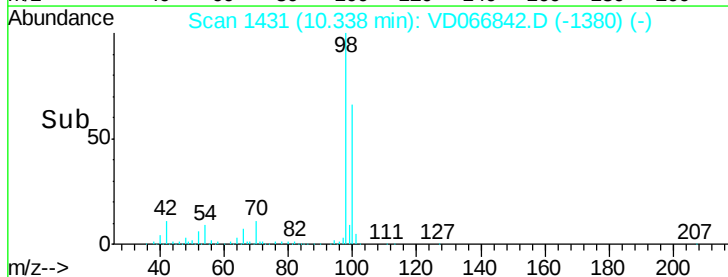
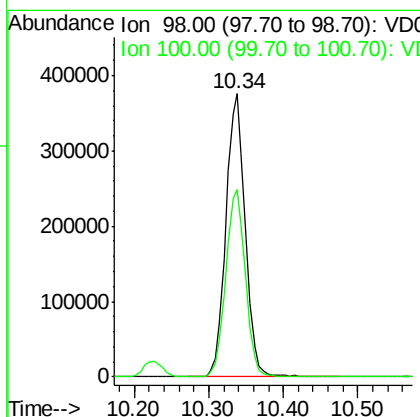
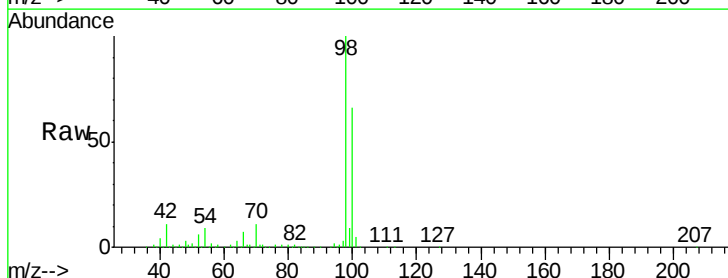
Manual Integrations
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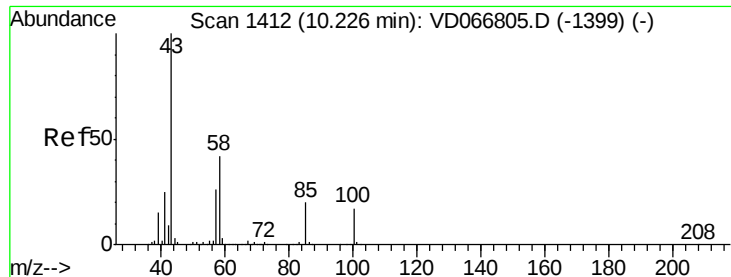
MMDadoda
9/25/2020 4:00:00 PM



#50
Toluene-d8
Concen: 49.460 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066842.D
Acq: 24 Sep 2020 11:09

Tgt Ion	98	Resp	679308
Ion	Ratio	Lower	Upper
98	100		
100	66.9	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 98.534 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066842.D

Acq: 24 Sep 2020 11:09

Instrument :

MSVOA_D

ClientSampleID :

VD0924SBS01

Tot Ion: 43 Resp: 218740

Ion Ratio Lower Upper

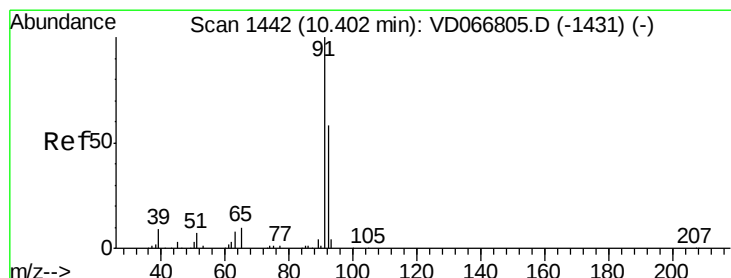
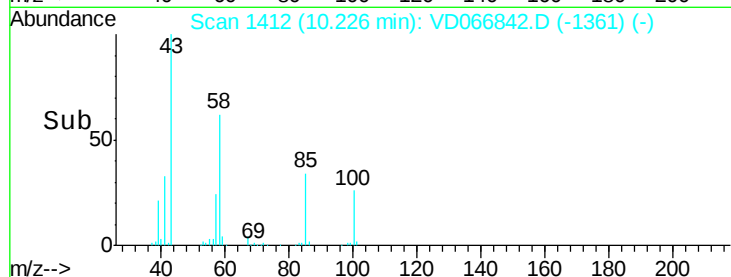
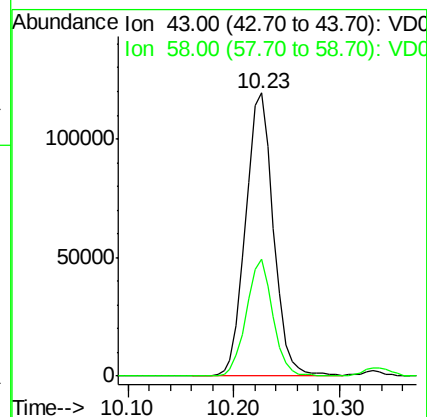
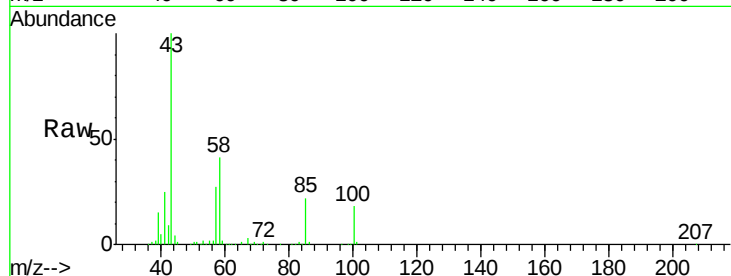
43 100

58 39.2 32.2 48.4

Manual Integrations
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#52

Toluene

Concen: 21.247 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066842.D

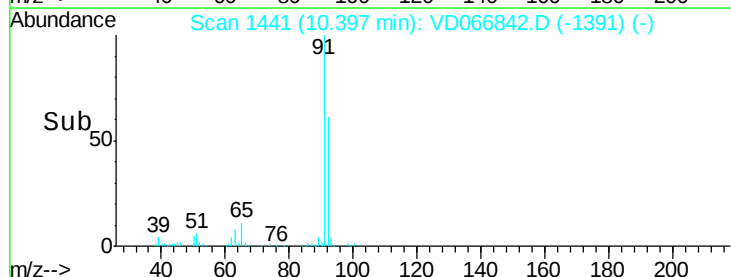
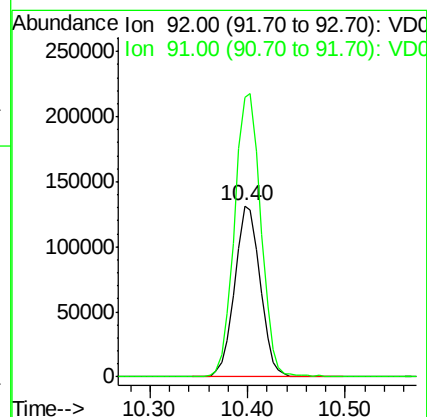
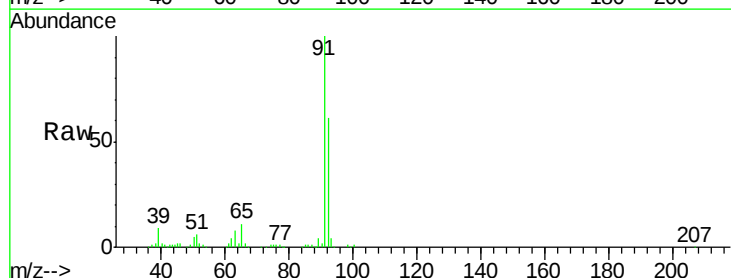
Acq: 24 Sep 2020 11:09

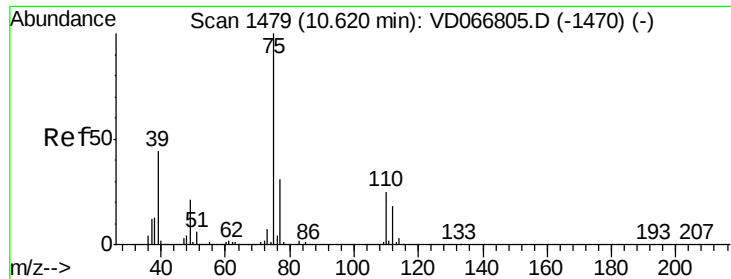
Tgt Ion: 92 Resp: 239764

Ion Ratio Lower Upper

92 100

91 171.3 134.6 202.0





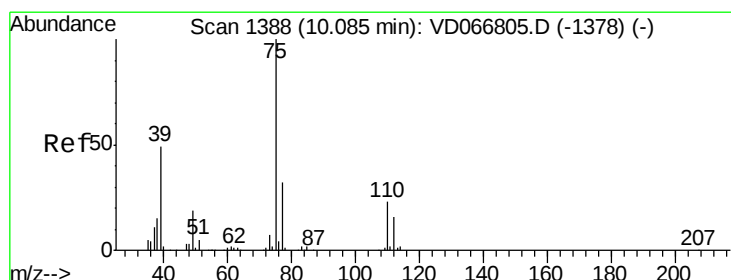
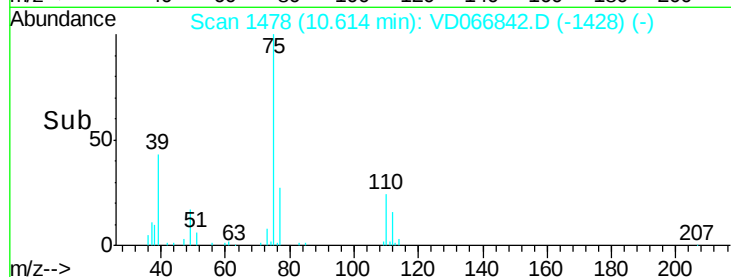
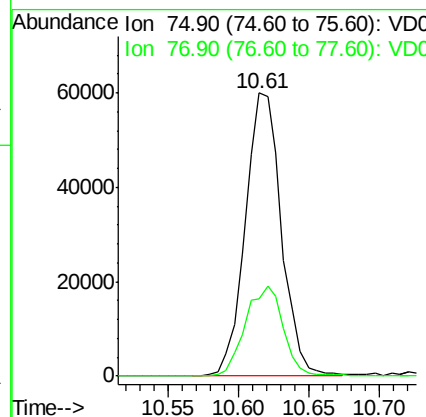
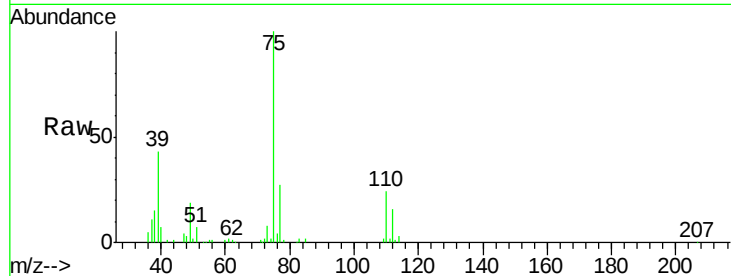
#53
 t-1,3-Dichloropropene
 Concen: 19.655 ug/l
 RT: 10.61 min Scan# 1478
 Delta R.T. -0.01 min
 Lab File: VD066842.D
 Acq: 24 Sep 2020 11:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0924SBS01

Tot Ion: 75 Resp: 107624
 Ion Ratio Lower Upper
 75 100
 77 27.2 24.5 36.7

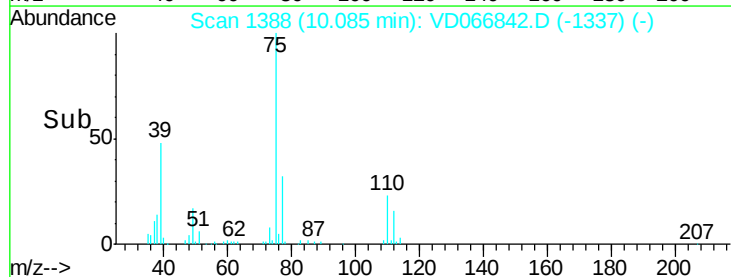
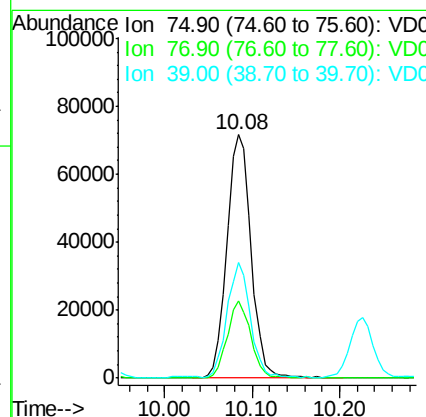
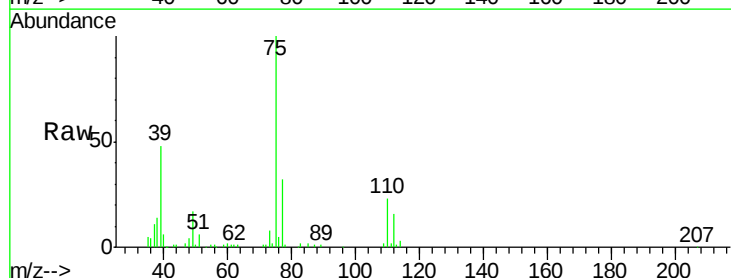
Manual Integrations
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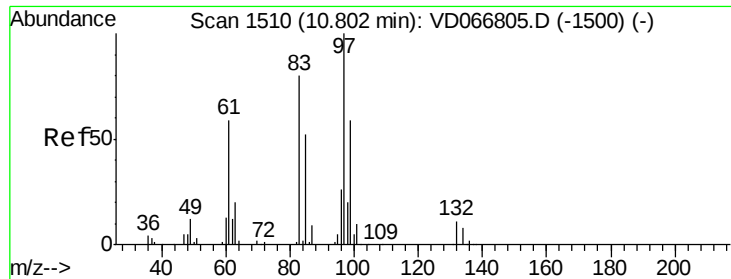
MMDadoda
 9/25/2020 4:00:00 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.411 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD066842.D
 Acq: 24 Sep 2020 11:09

Tgt Ion: 75 Resp: 136279
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.6 38.4
 39 46.6 39.2 58.8





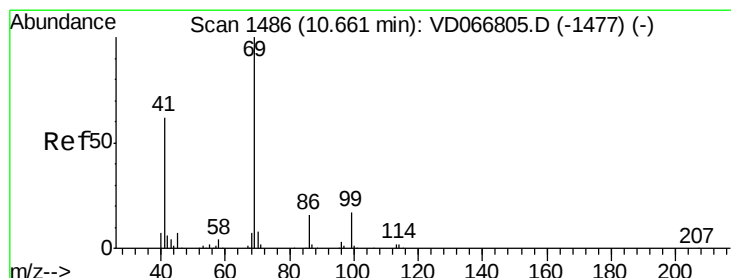
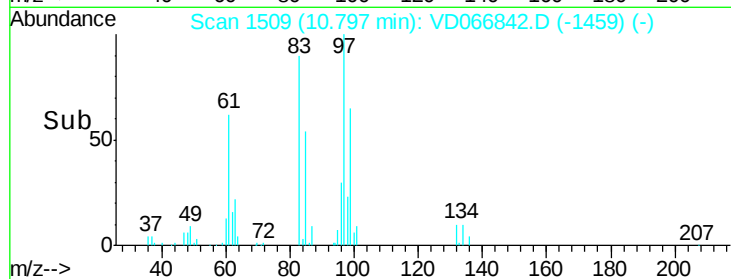
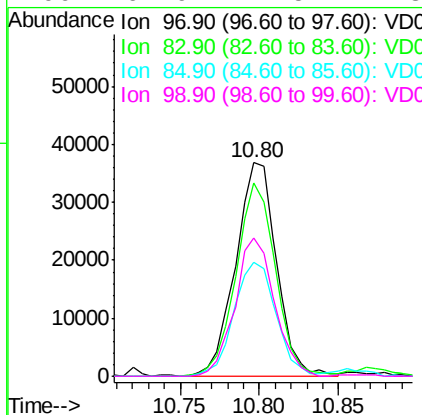
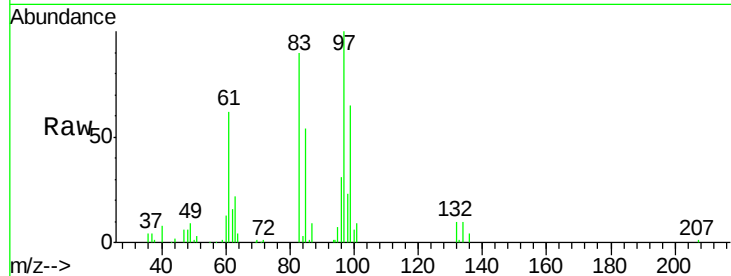
#55
 1,1,2-Trichloroethane
 Concen: 20.064 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066842.D
 Acq: 24 Sep 2020 11:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0924SBS01

Tot Ion:	97	Resp:	66054
Ion	Ratio	Lower	Upper
97	100		
83	89.9	64.2	96.2
85	53.6	41.9	62.9
99	64.9	47.5	71.3

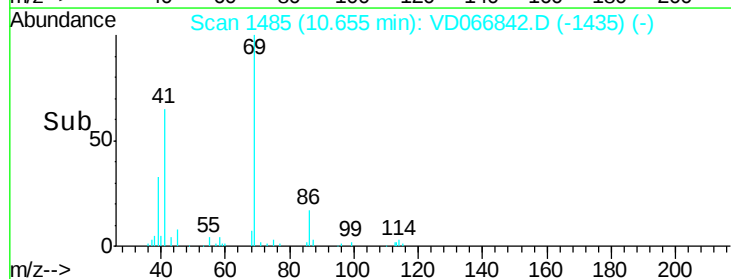
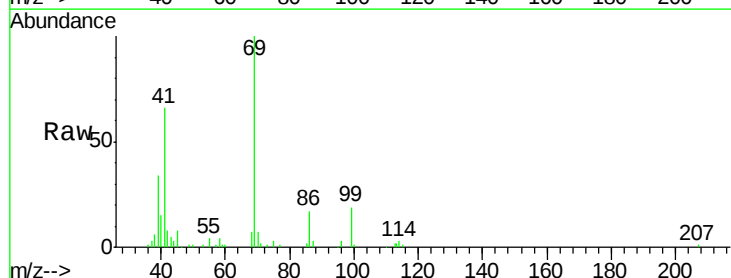
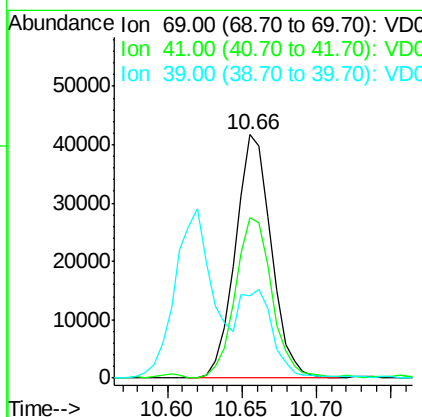
Manual Integrations
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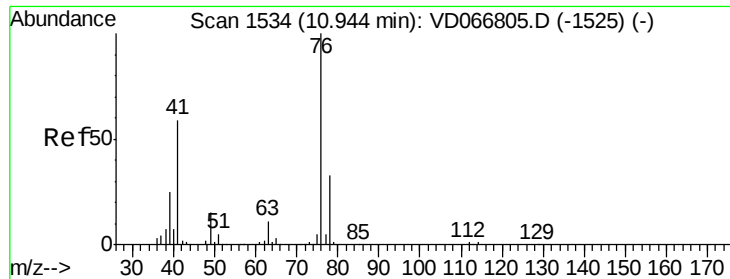
MMDadoda
 9/25/2020 4:00:00 PM



#56
 Ethyl methacrylate
 Concen: 19.737 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066842.D
 Acq: 24 Sep 2020 11:09

Tgt Ion:	69	Resp:	69610
Ion	Ratio	Lower	Upper
69	100		
41	67.5	52.2	78.2
39	34.0	26.6	40.0





#57

1,3-Dichloropropane

Concen: 21.273 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VD066842.D

Acq: 24 Sep 2020 11:09

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBS01

Tot Ion: 76 Resp: 115646

Ion Ratio Lower Upper

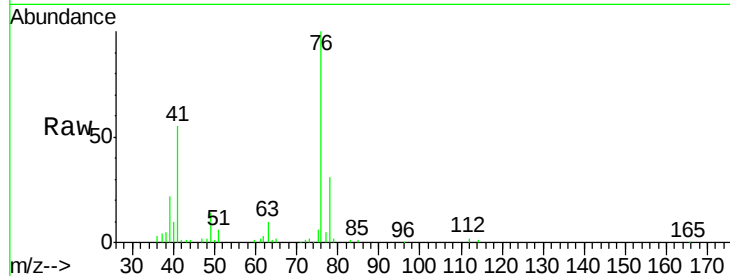
76 100

78 31.5 26.3 39.5

Manual Integrations
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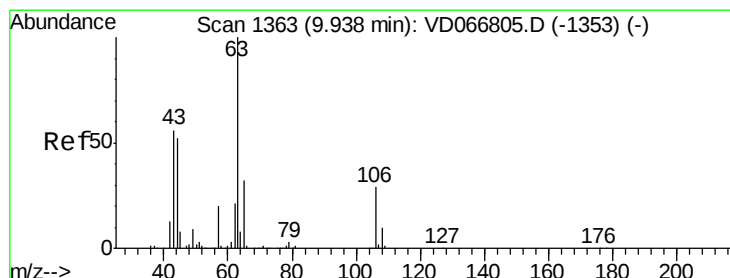
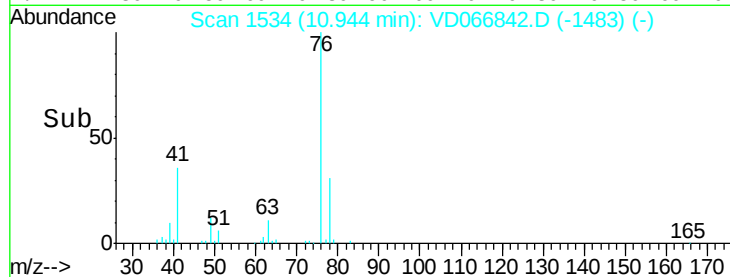
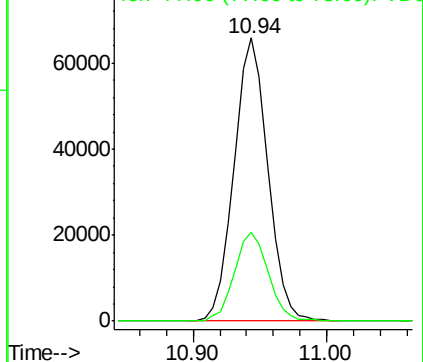
MMDadoda

9/25/2020 4:00:00 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 116.200 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066842.D

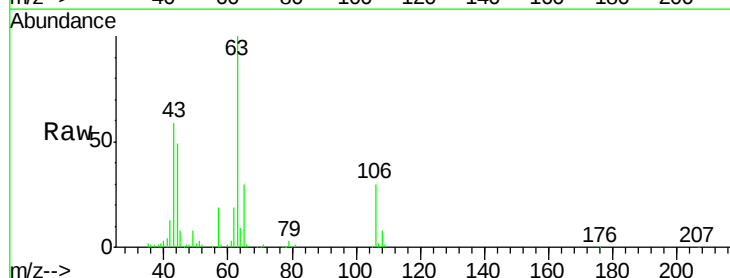
Acq: 24 Sep 2020 11:09

Tgt Ion: 63 Resp: 194051

Ion Ratio Lower Upper

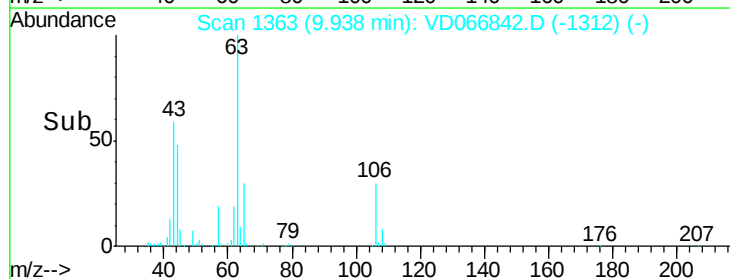
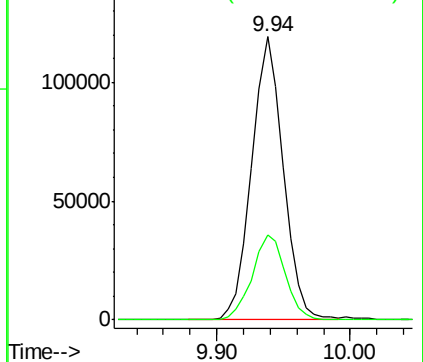
63 100

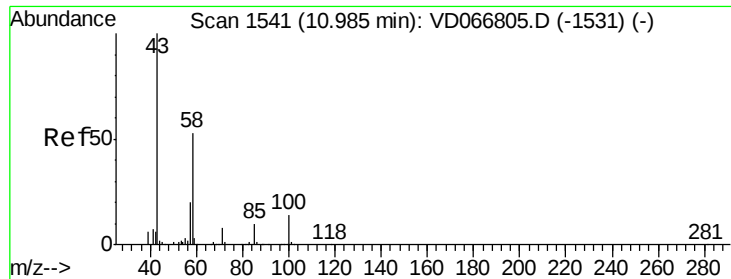
106 31.5 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





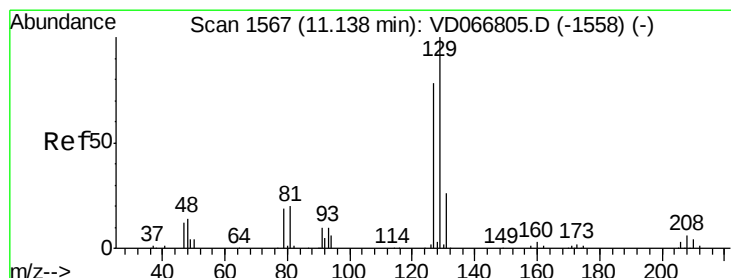
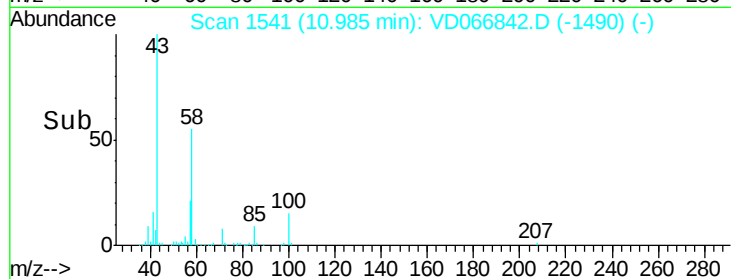
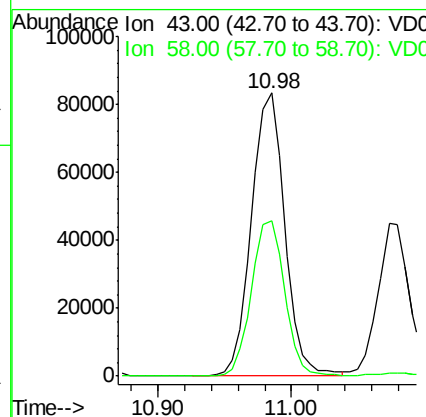
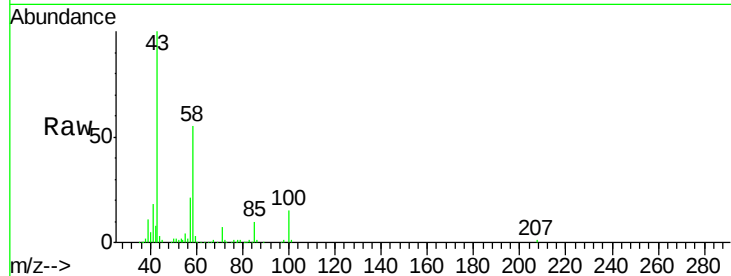
#59
2-Hexanone
Concen: 95.992 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066842.D
Acq: 24 Sep 2020 11:09

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

Tot Ion: 43 Resp: 143708
Ion Ratio Lower Upper
43 100
58 54.8 27.0 80.8

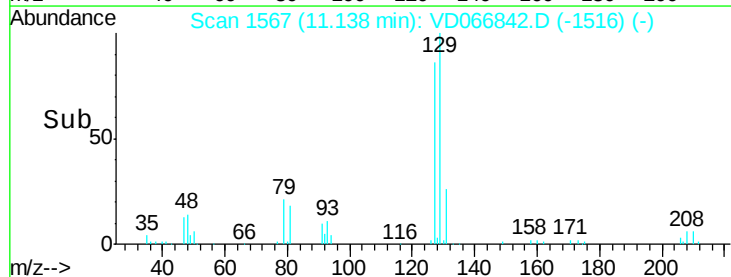
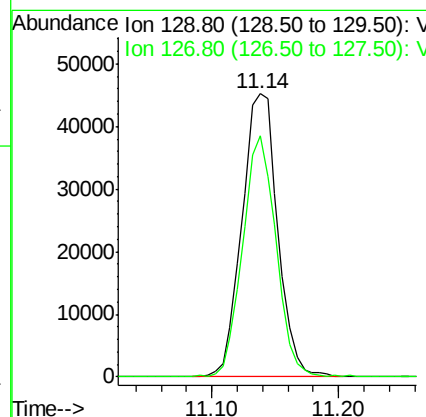
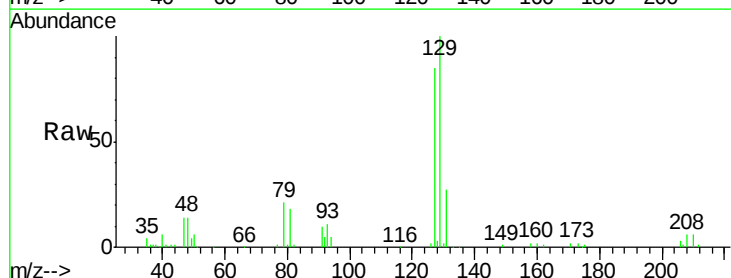
Manual Integrations
APPROVED

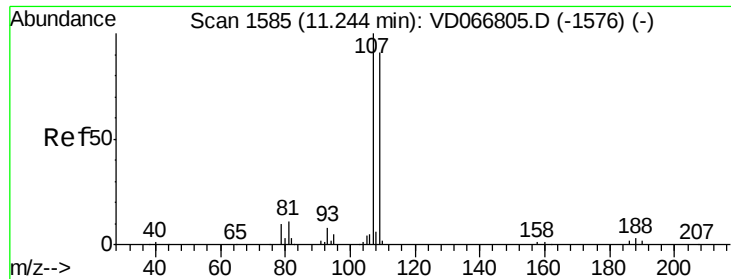
MMDadoda
9/25/2020 4:00:00 PM



#60
Dibromochloromethane
Concen: 20.629 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066842.D
Acq: 24 Sep 2020 11:09

Tgt Ion: 129 Resp: 88638
Ion Ratio Lower Upper
129 100
127 79.3 38.6 116.0





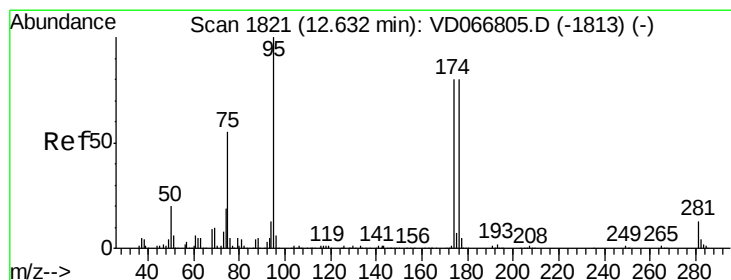
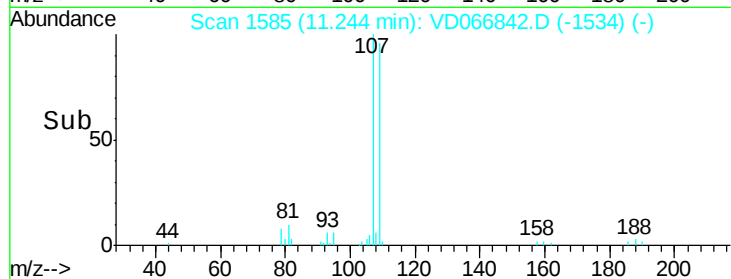
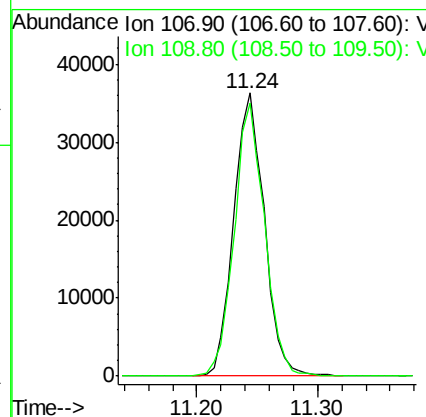
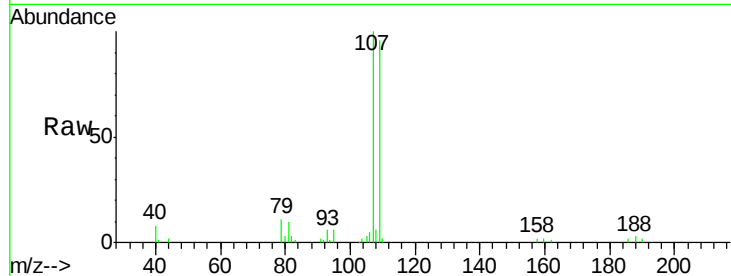
#61
 1,2-Dibromoethane
 Concen: 20.954 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD066842.D
 Acq: 24 Sep 2020 11:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0924SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.8	75.0	112.4

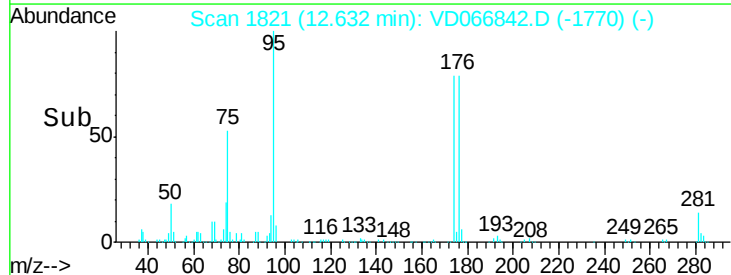
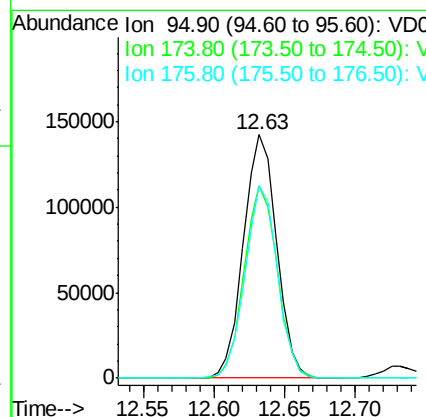
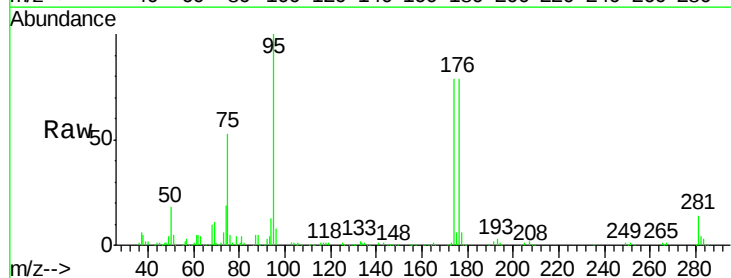
Manual Integrations
 APPROVED

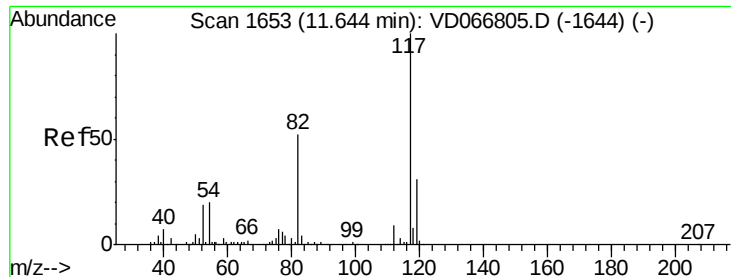
MMDadoda
 9/25/2020 4:00:00 PM



#62
 4-Bromofluorobenzene
 Concen: 49.890 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD066842.D
 Acq: 24 Sep 2020 11:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.0	0.0	159.8
176	77.3	0.0	154.4





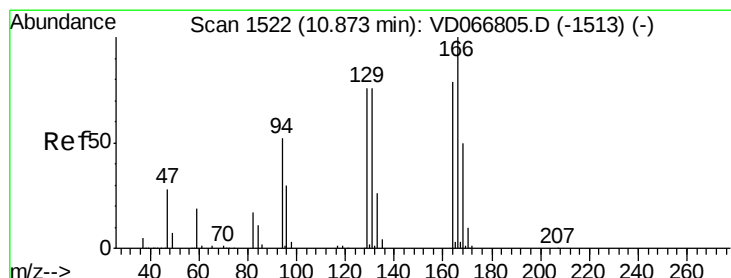
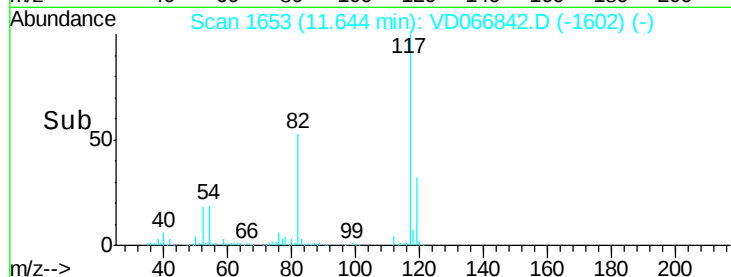
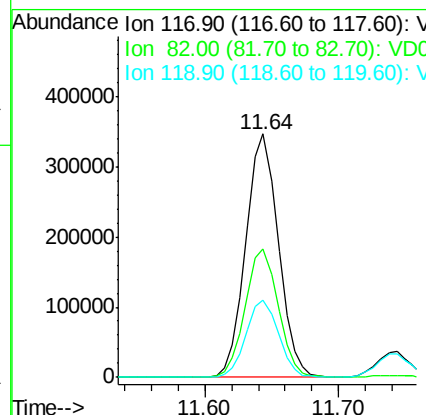
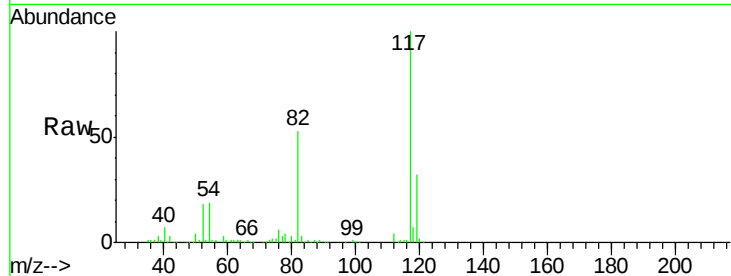
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066842.D
Acq: 24 Sep 2020 11:09

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	586493		
82	52.7		41.8	62.6
119	32.0		24.6	37.0

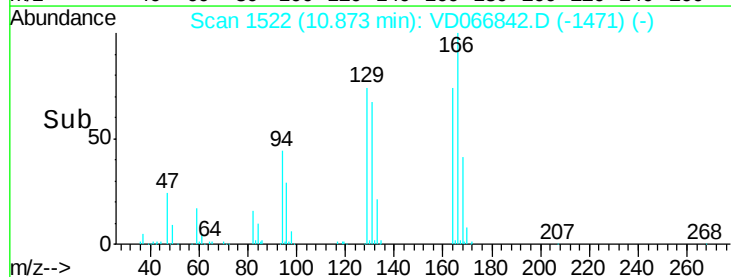
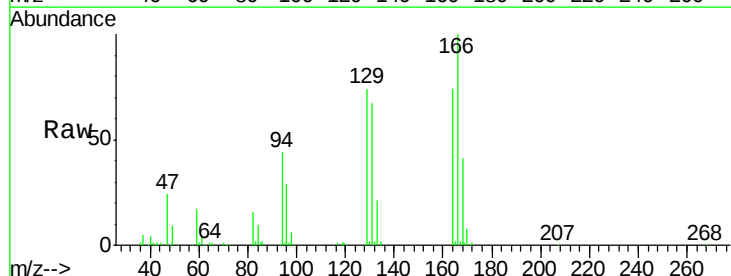
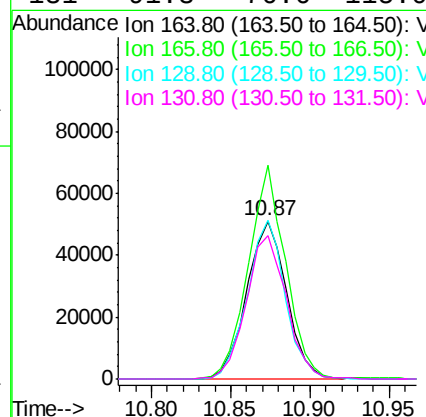
Manual Integrations
APPROVED

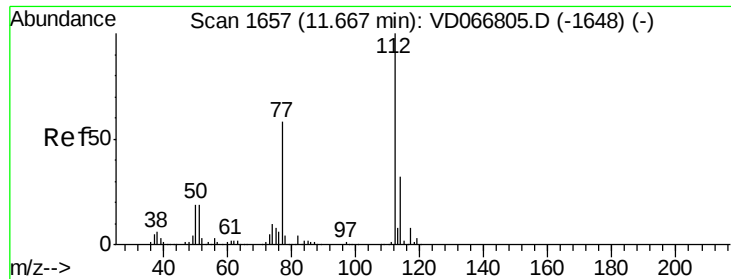
MMDadoda
9/25/2020 4:00:00 PM



#64
Tetrachloroethene
Concen: 21.135 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066842.D
Acq: 24 Sep 2020 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	89163		
166	135.6		101.1	151.7
129	100.8		77.0	115.4
131	91.3		76.6	115.0





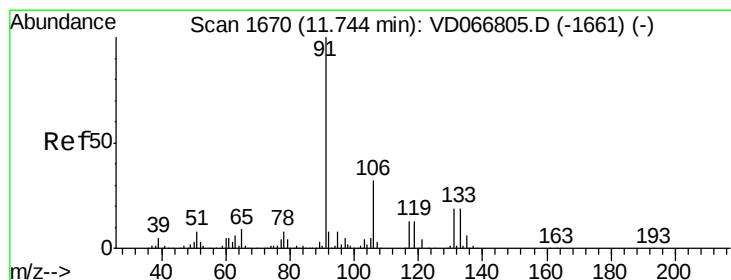
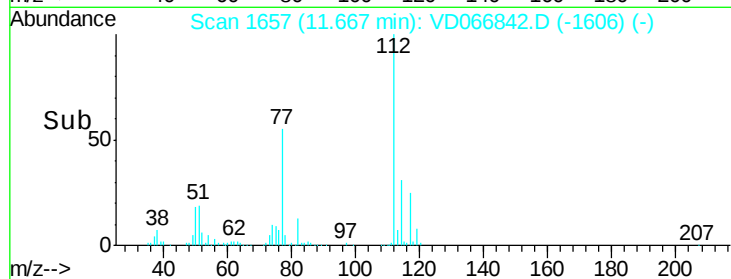
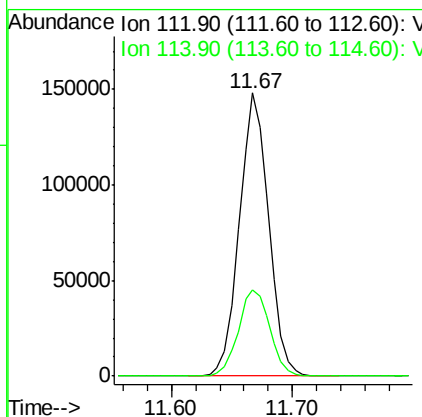
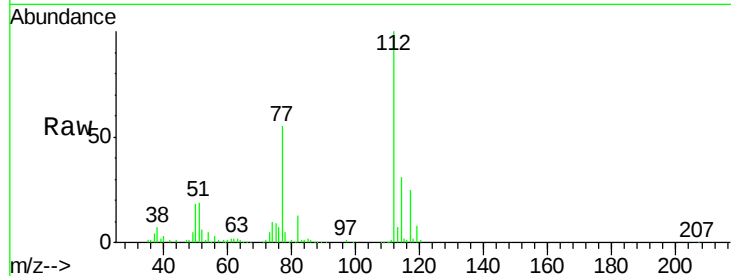
#65
Chlorobenzene
Concen: 20.495 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VD066842.D
Acq: 24 Sep 2020 11:09

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.6	25.4	38.2

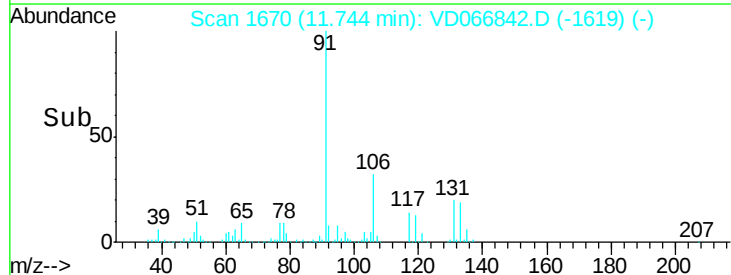
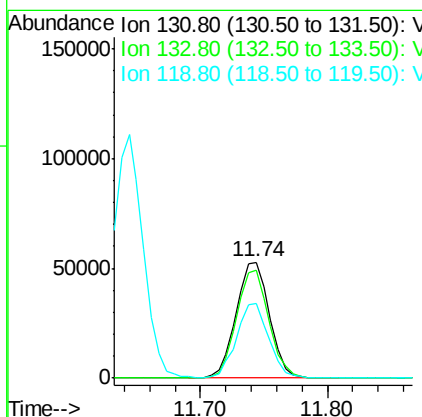
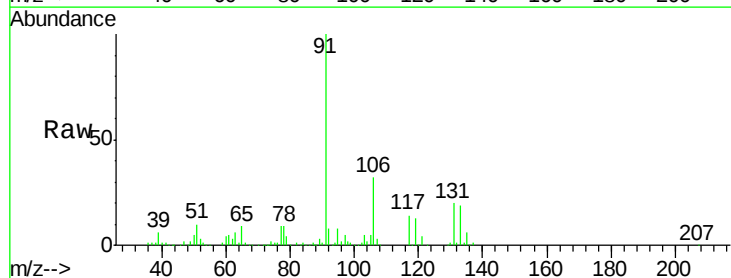
Manual Integrations
APPROVED

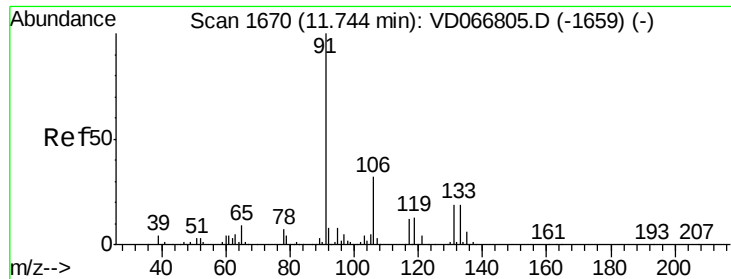
MMDadoda
9/25/2020 4:00:00 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.845 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066842.D
Acq: 24 Sep 2020 11:09

Tgt Ion	Ratio	Lower	Upper
131	100		
133	90.8	46.7	140.1
119	61.9	32.3	96.9





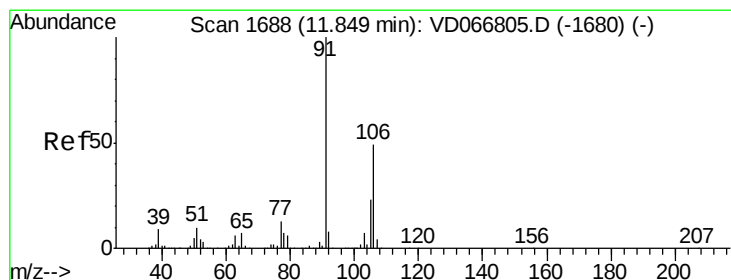
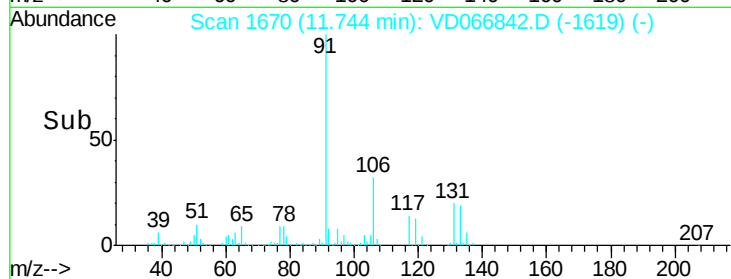
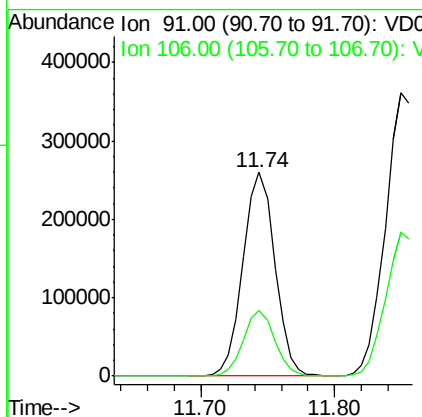
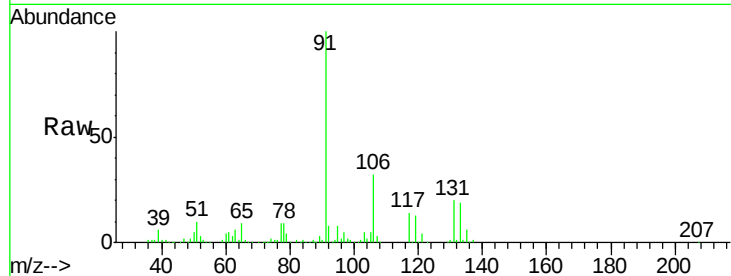
#67
Ethyl Benzene
Concen: 20.112 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066842.D
Acq: 24 Sep 2020 11:09

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

Tot Ion: 91 Resp: 431226
Ion Ratio Lower Upper
91 100
106 32.1 25.6 38.4

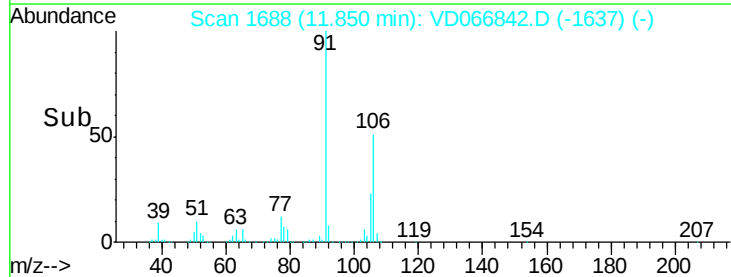
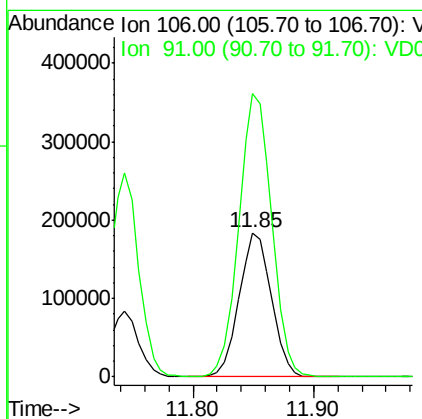
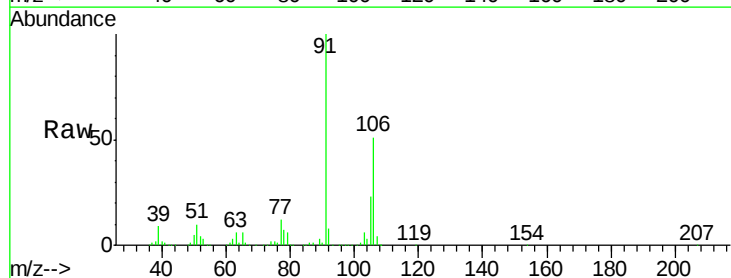
Manual Integrations
APPROVED

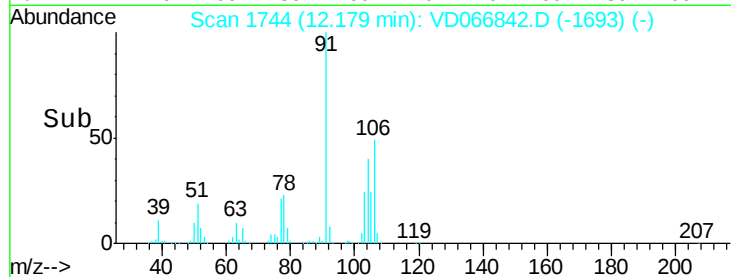
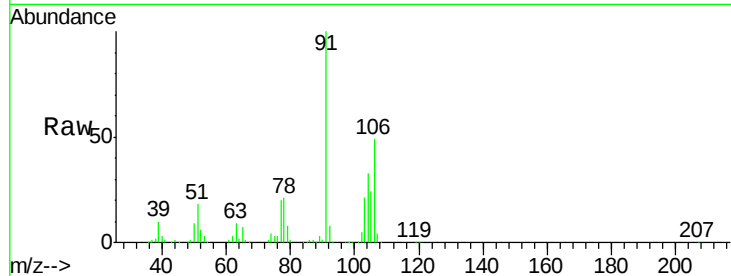
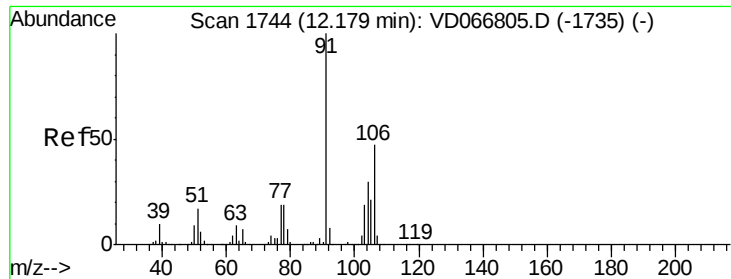
MMDadoda
9/25/2020 4:00:00 PM



#68
m/p-Xylenes
Concen: 42.195 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VD066842.D
Acq: 24 Sep 2020 11:09

Tgt Ion: 106 Resp: 342538
Ion Ratio Lower Upper
106 100
91 199.7 160.7 241.1





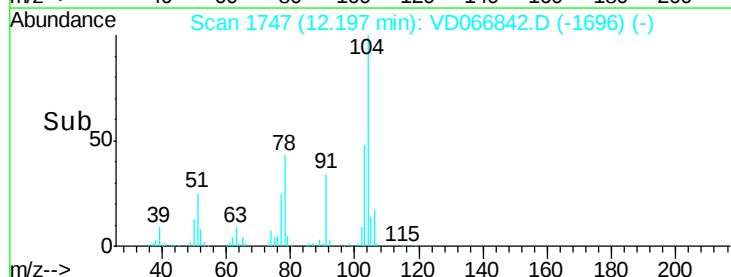
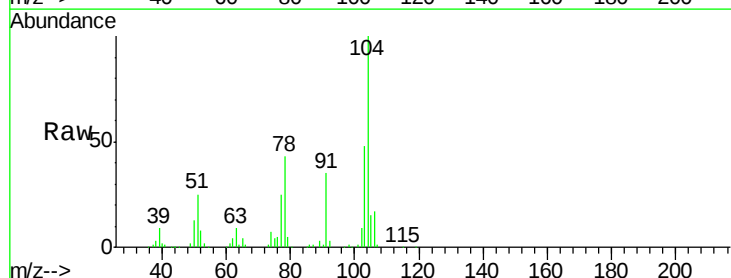
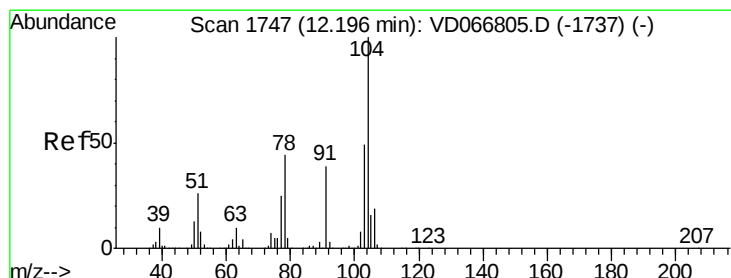
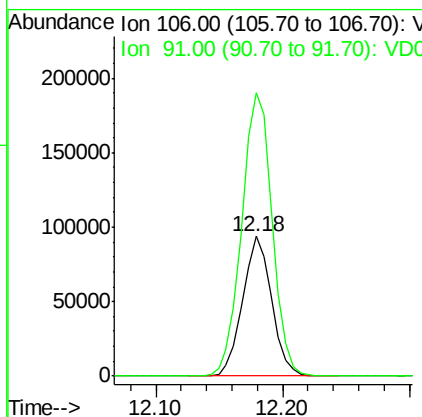
#69
o-Xylene
Concen: 20.273 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066842.D
Acq: 24 Sep 2020 11:09

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		148813		
91	213.3	106.3	318.8		

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

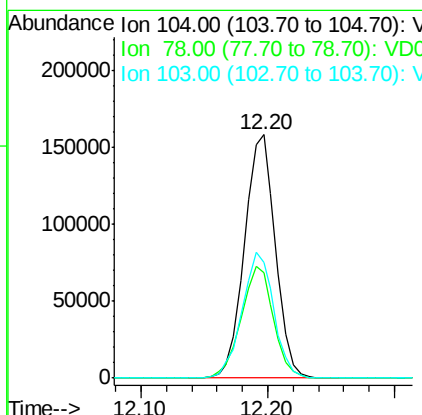
Manual Integrations
APPROVED

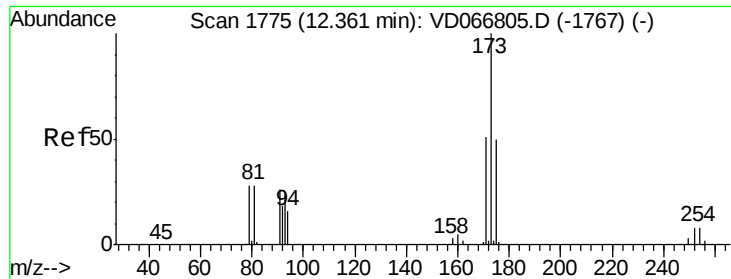
MMDadoda
9/25/2020 4:00:00 PM



#70
Styrene
Concen: 20.960 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066842.D
Acq: 24 Sep 2020 11:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		267200		
78	48.1	38.9	58.3		
103	53.0	43.2	64.8		





#71

Bromoform

Concen: 19.939 ug/l

RT: 12.36 min Scan# 1774

Delta R.T. -0.01 min

Lab File: VD066842.D

Acq: 24 Sep 2020 11:09

Instrument :

MSVOA_D

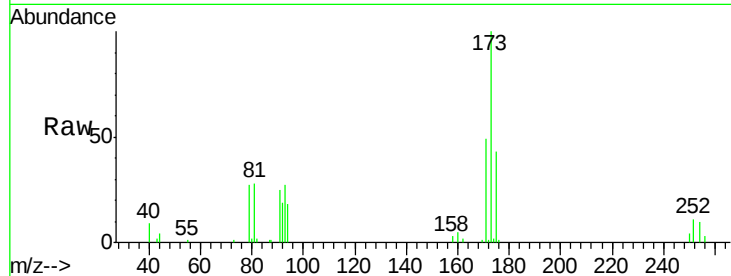
ClientSampleId :

VD0924SBS01

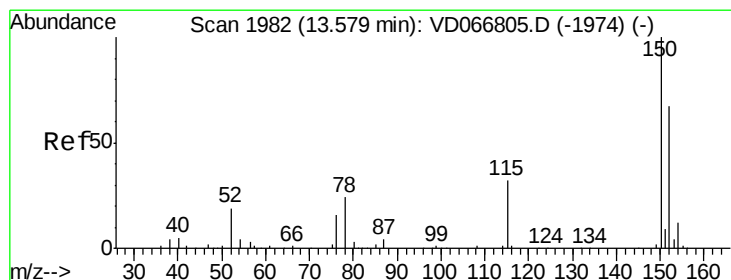
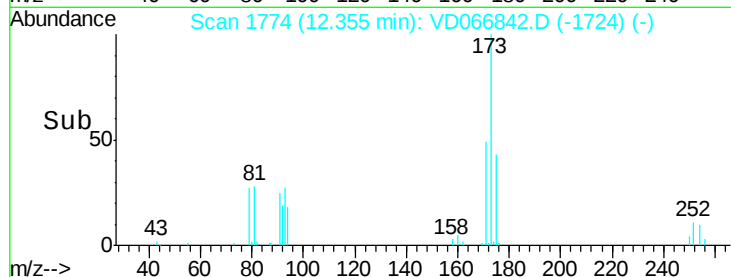
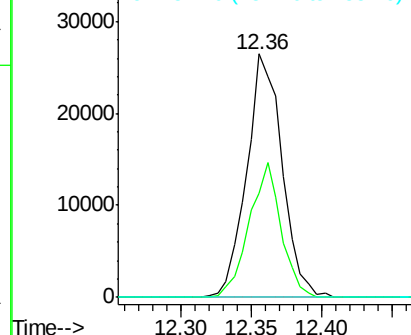
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.9	74.6
254	0.0	0.1	0.1

Manual Integrations
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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

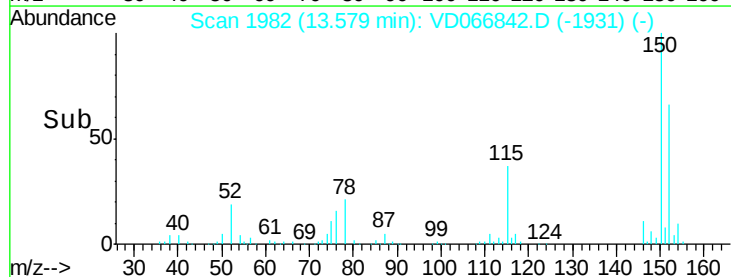
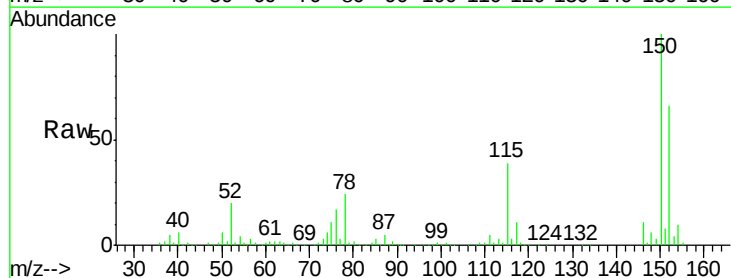
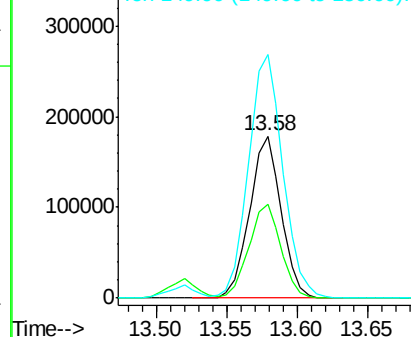
Delta R.T. 0.00 min

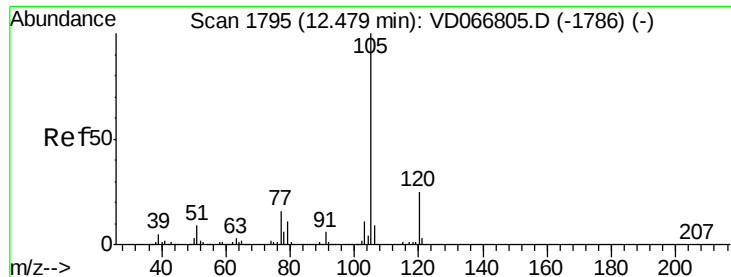
Lab File: VD066842.D

Acq: 24 Sep 2020 11:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.9	30.3	91.0
150	163.8	0.0	346.2

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





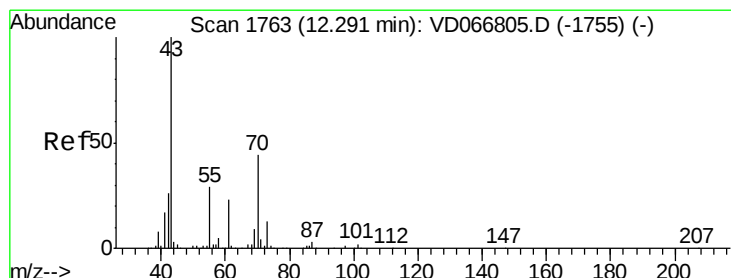
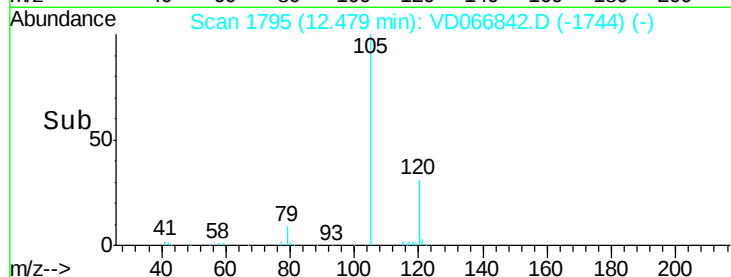
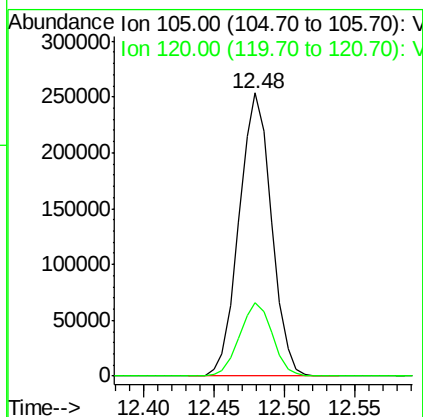
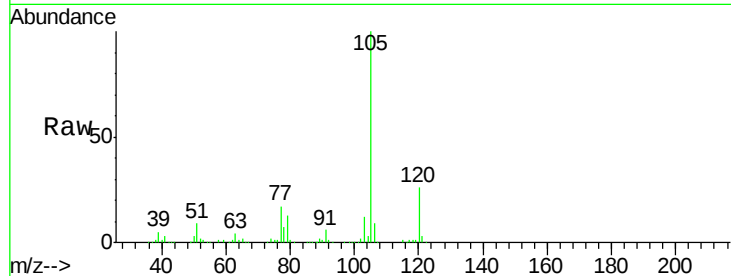
#73
Isopropylbenzene
Concen: 20.145 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VD066842.D
Acq: 24 Sep 2020 11:09

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	407020		
120	26.2	12.9	38.6	

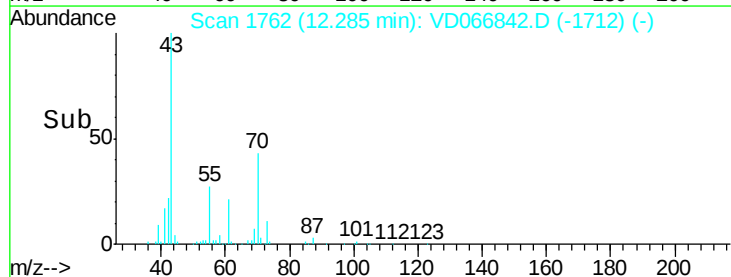
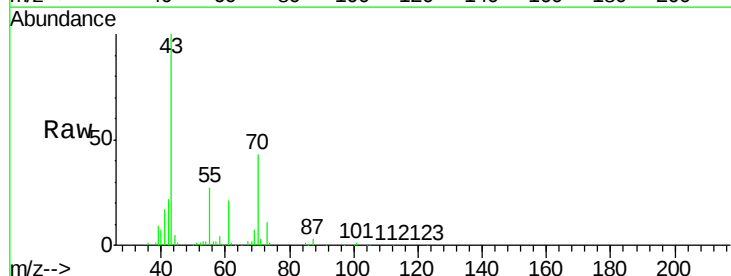
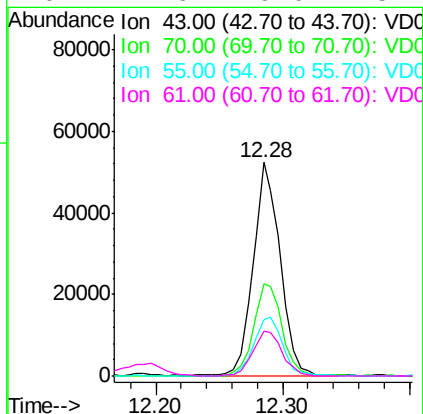
Manual Integrations
APPROVED

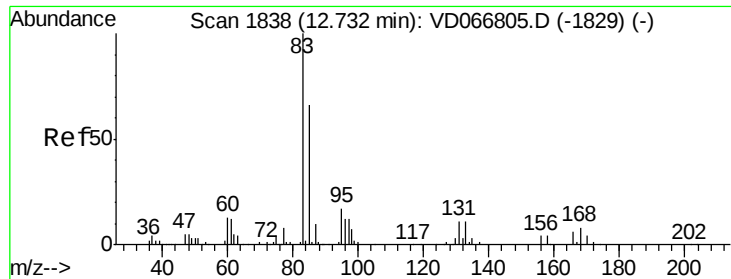
MMDadoda
9/25/2020 4:00:00 PM



#74
N-ethyl acetate
Concen: 19.773 ug/l
RT: 12.28 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VD066842.D
Acq: 24 Sep 2020 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	78018		
70	45.4	36.1	54.1	
55	29.5	21.8	32.8	
61	22.6	19.0	28.4	





#75

1,1,2,2-Tetrachloroethane

Concen: 19.538 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066842.D

Acq: 24 Sep 2020 11:09

Instrument :

MSVOA_D

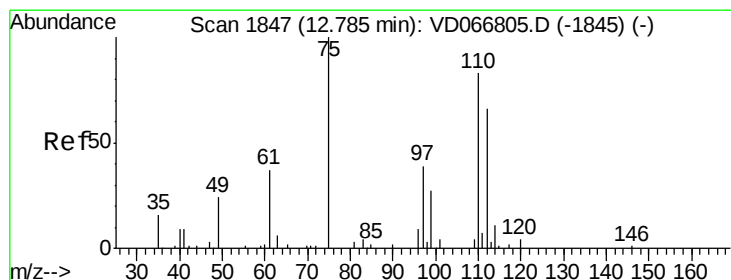
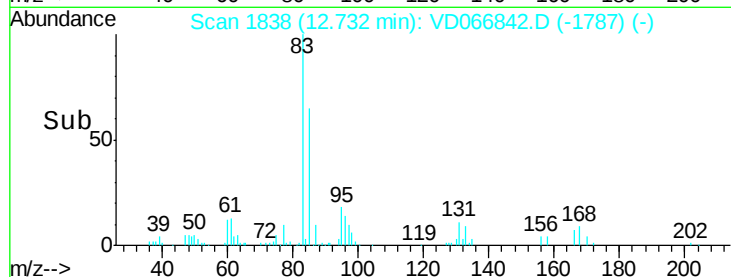
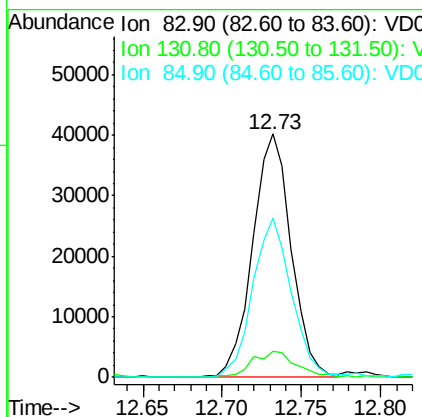
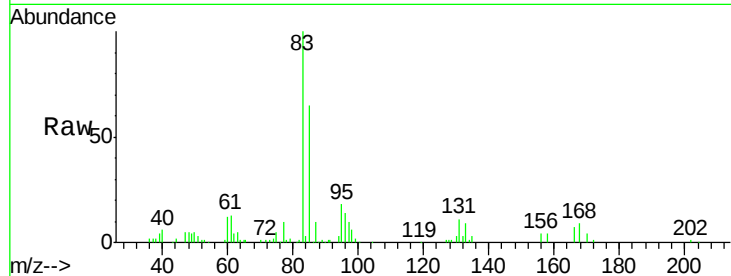
ClientSampleId :

VD0924SBS01

Tot Ion:	83	Resp:	68118
Ion Ratio	Lower	Upper	
83	100		
131	12.4	5.5	16.7
85	65.6	32.1	96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.626 ug/l m

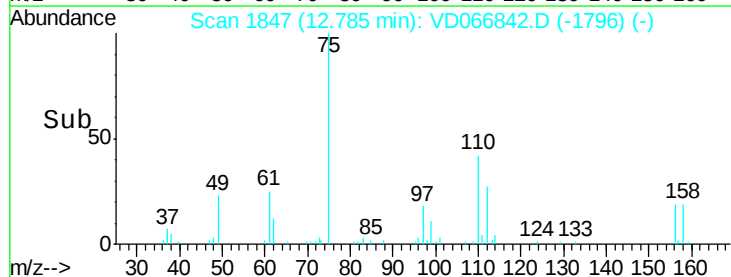
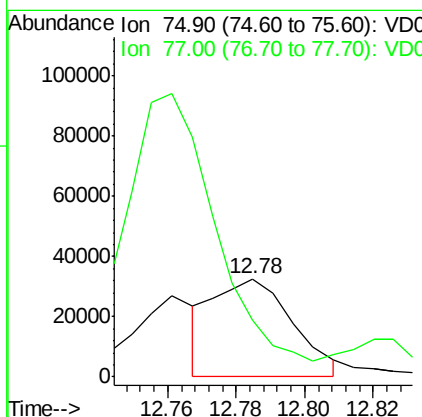
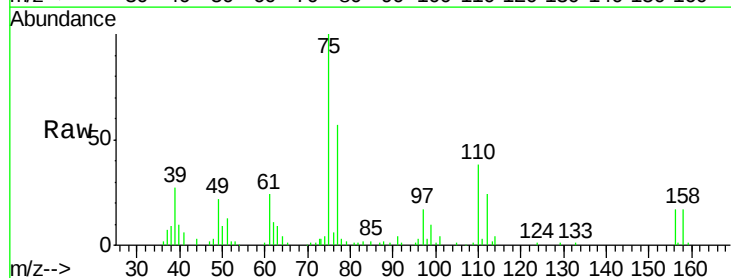
RT: 12.78 min Scan# 1847

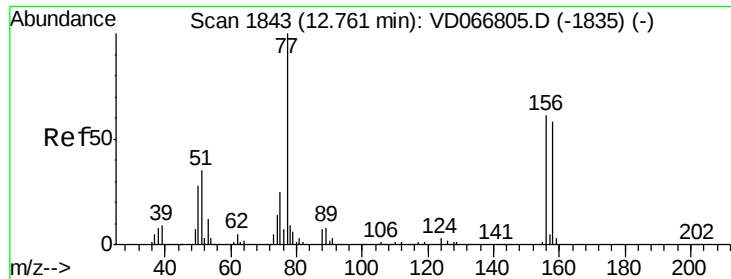
Delta R.T. 0.00 min

Lab File: VD066842.D

Acq: 24 Sep 2020 11:09

Tgt Ion:	75	Resp:	52444
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





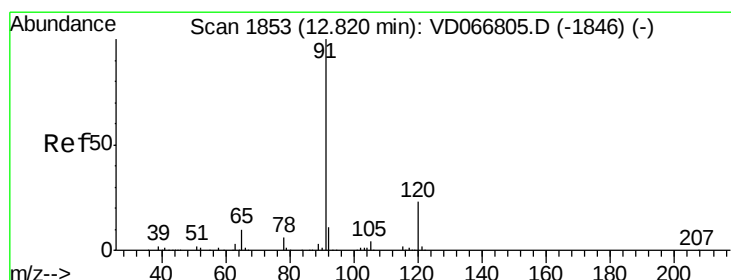
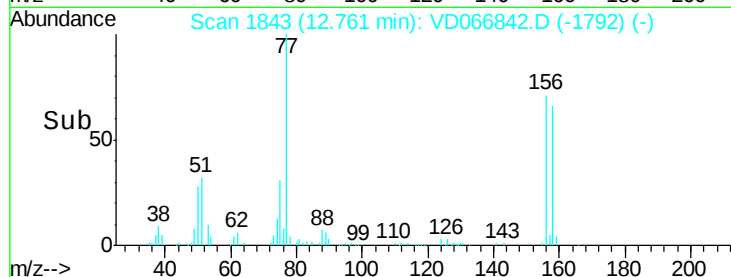
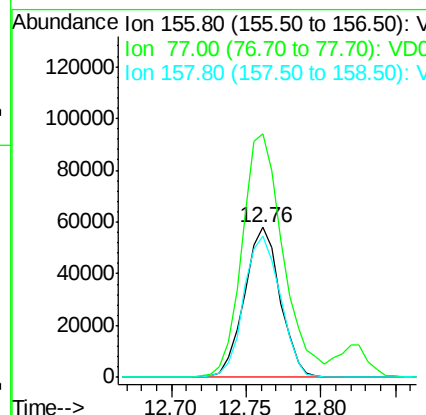
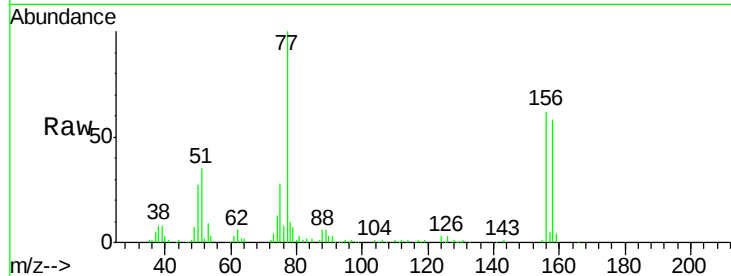
#77
Bromobenzene
Concen: 20.338 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VD066842.D
Acq: 24 Sep 2020 11:09

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	186.2	92.3	276.9	
158	96.0	47.6	142.9	

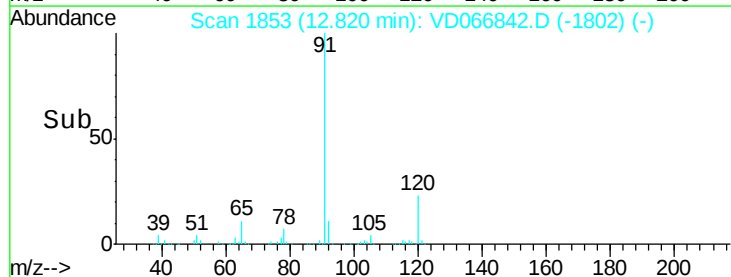
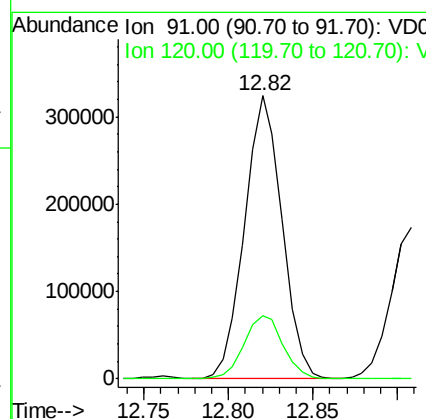
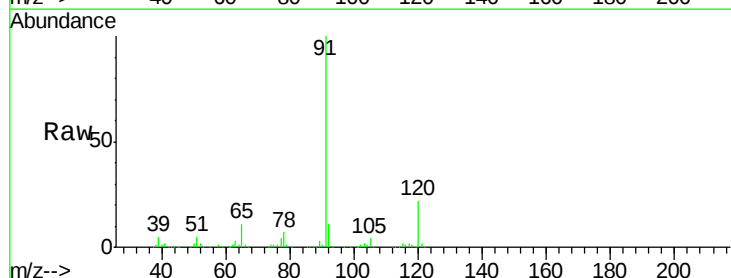
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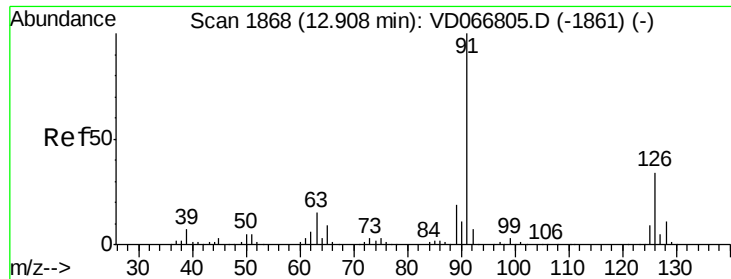
MMDadoda
9/25/2020 4:00:00 PM



#78
n-propylbenzene
Concen: 20.516 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VD066842.D
Acq: 24 Sep 2020 11:09

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.3	11.4	34.2	





#79

2-Chlorotoluene

Concen: 20.499 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066842.D

Acq: 24 Sep 2020 11:09

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBS01

Tot Ion: 91 Resp: 283947

Ion Ratio Lower Upper

91 100

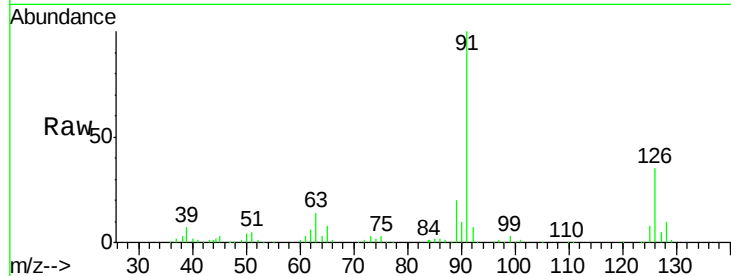
126 33.3 17.0 51.0

Manual Integrations

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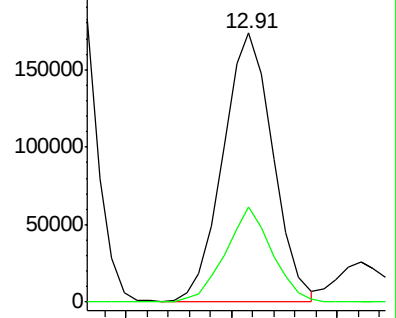
MMDadoda

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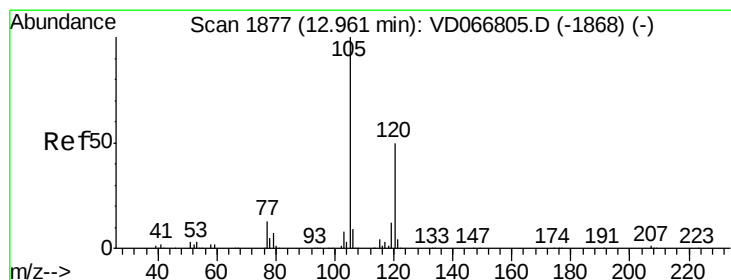
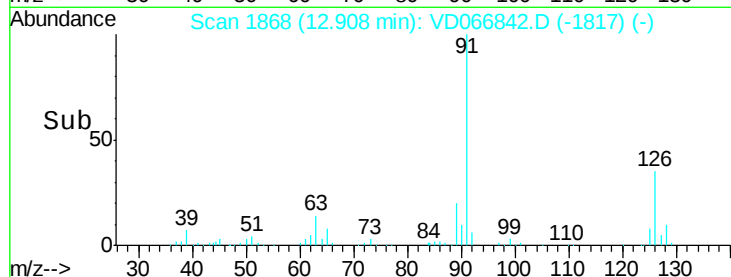


Abundance Ion 91.00 (90.70 to 91.70): VD066805.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD066805.D (-1861) (-)



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.364 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066842.D

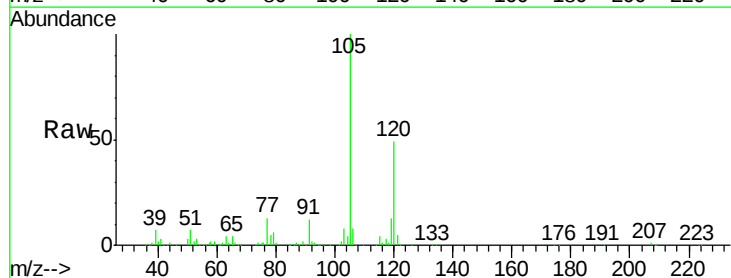
Acq: 24 Sep 2020 11:09

Tgt Ion:105 Resp: 349125

Ion Ratio Lower Upper

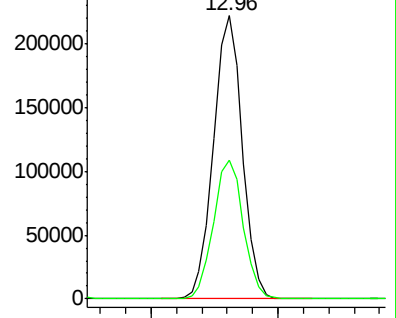
105 100

120 50.9 24.4 73.4

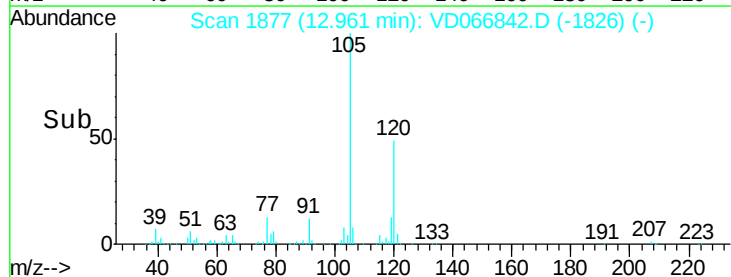


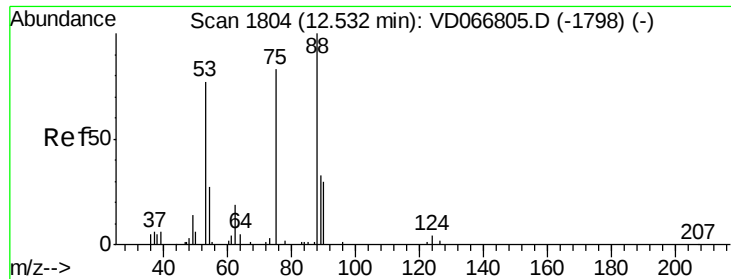
Abundance Ion 105.00 (104.70 to 105.70): VD066805.D (-1868) (-)

Ion 120.00 (119.70 to 120.70): VD066805.D (-1868) (-)



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.094 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066842.D

Acq: 24 Sep 2020 11:09

Instrument :

MSVOA_D

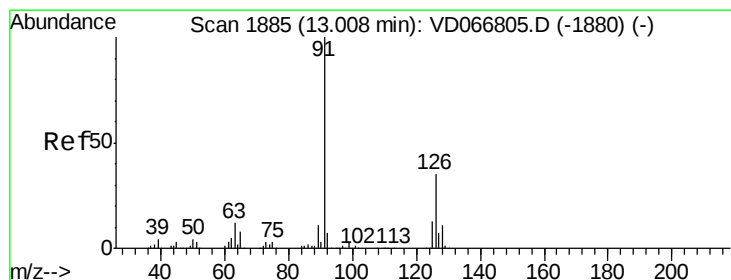
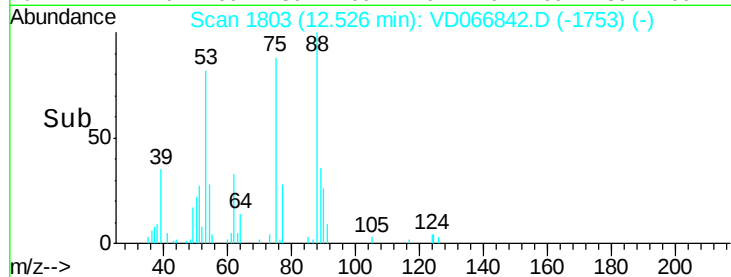
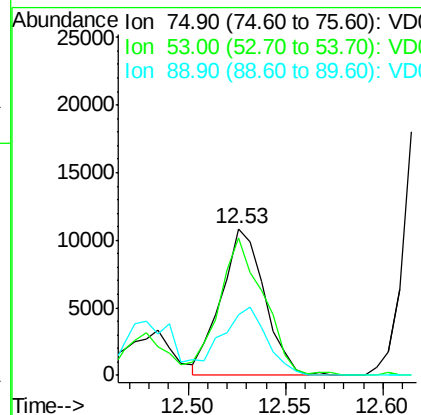
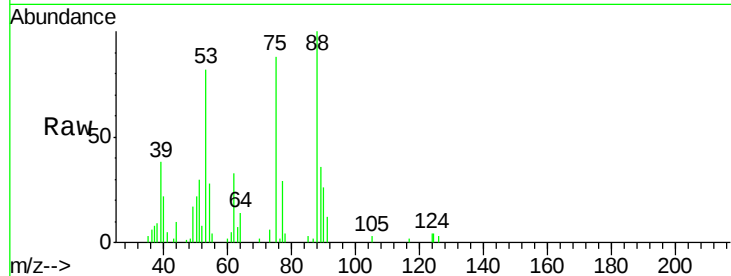
ClientSampleId :

VD0924SBS01

Tot Ion:	75	Resp:	16763
Ion	Ratio	Lower	Upper
75	100		
53	97.4	78.5	117.7
89	46.2	38.1	57.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.136 ug/l

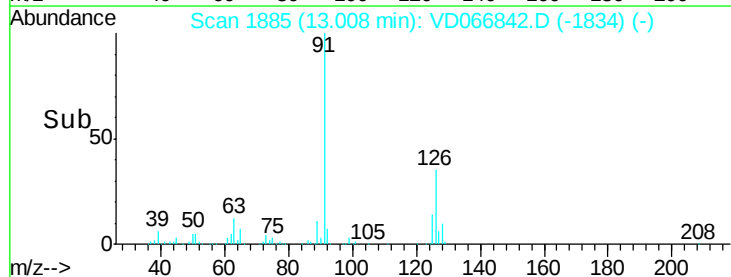
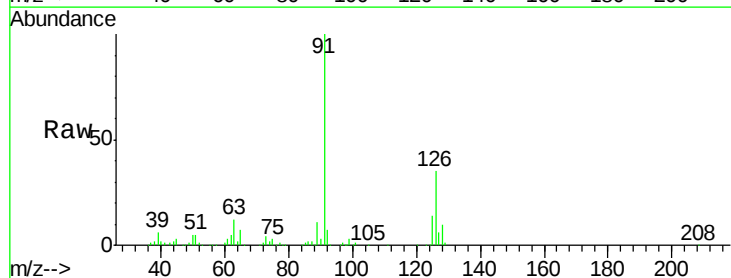
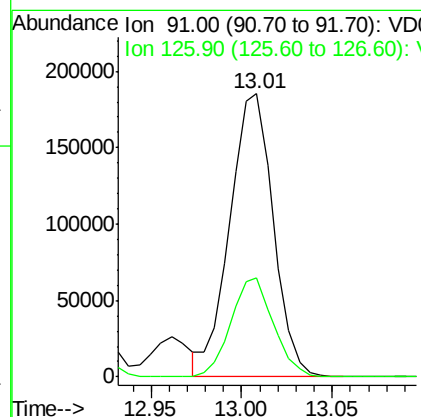
RT: 13.01 min Scan# 1885

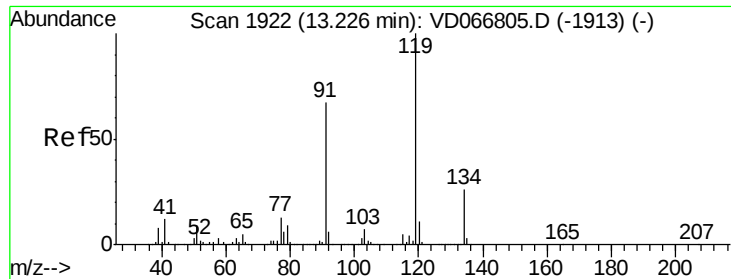
Delta R.T. 0.00 min

Lab File: VD066842.D

Acq: 24 Sep 2020 11:09

Tgt Ion:	91	Resp:	308621
Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.1	51.2





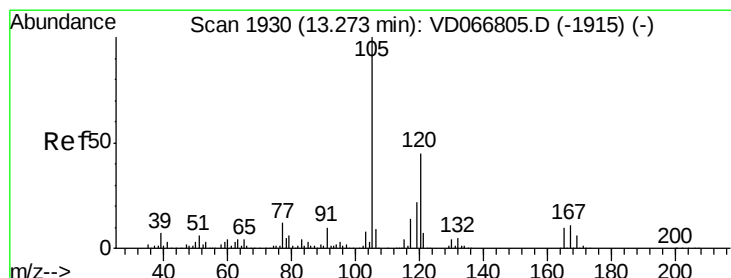
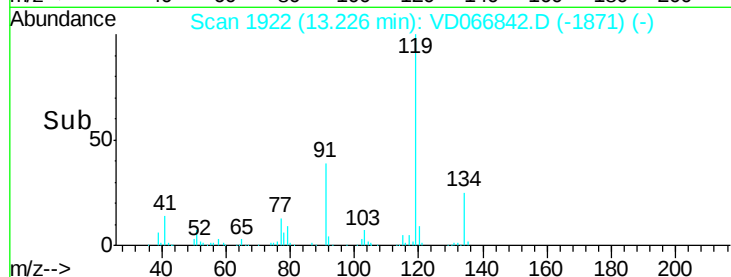
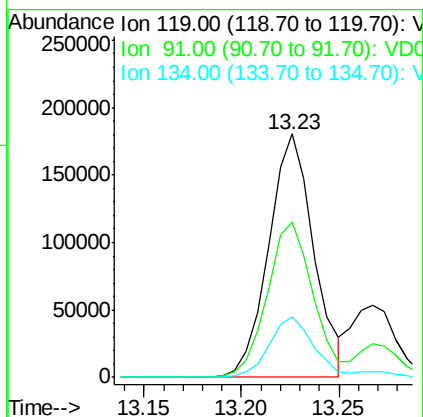
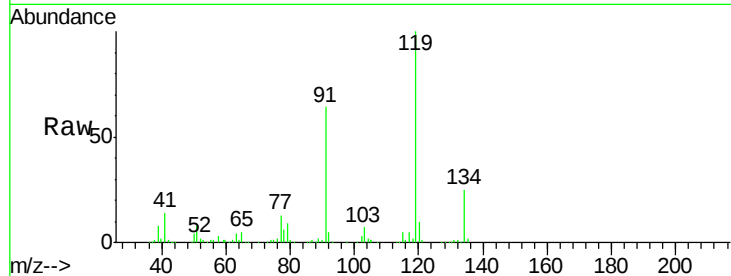
#83
tert-Butylbenzene
Concen: 20.490 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066842.D
Acq: 24 Sep 2020 11:09

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	288664		
91	65.7	33.6	100.8	
134	24.5	13.5	40.4	

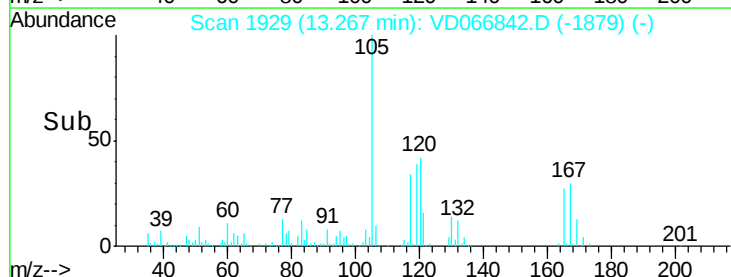
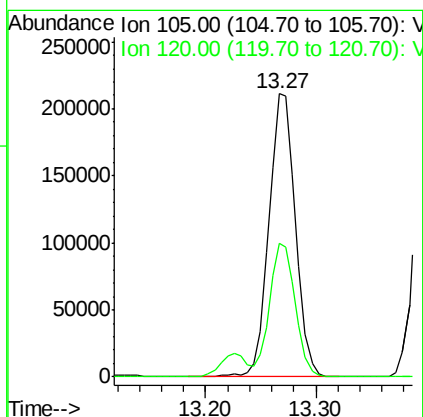
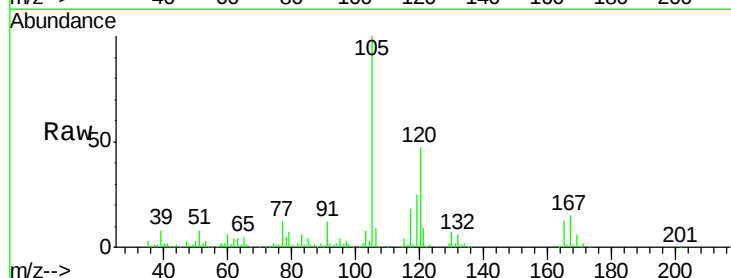
Manual Integrations
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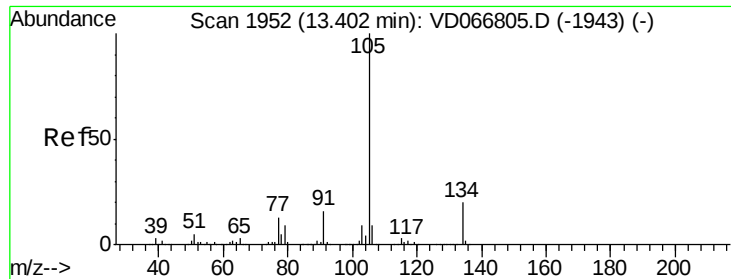
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.828 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.01 min
Lab File: VD066842.D
Acq: 24 Sep 2020 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	354092		
120	45.3	22.3	66.9	





#85

sec-Butylbenzene

Concen: 20.539 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD066842.D

Acq: 24 Sep 2020 11:09

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBS01

Tot Ion:105 Resp: 416093

Ion Ratio Lower Upper

105 100

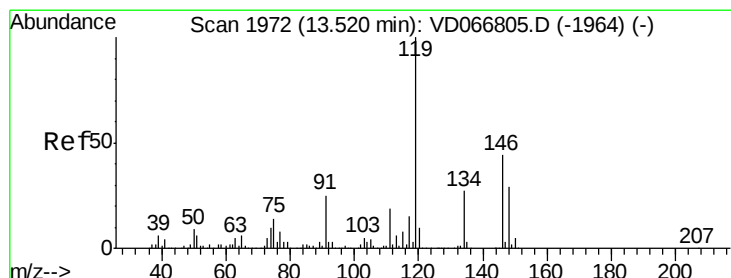
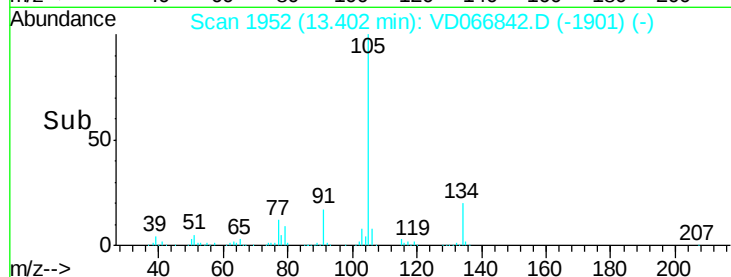
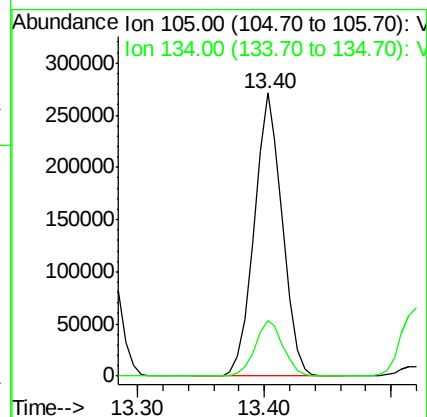
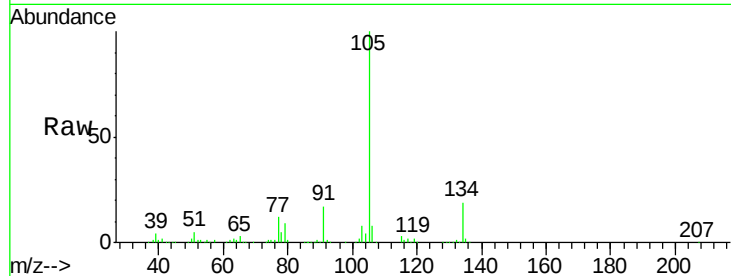
134 19.6 10.2 30.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 21.034 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066842.D

Acq: 24 Sep 2020 11:09

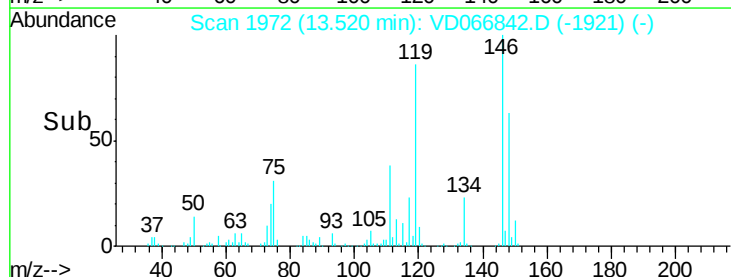
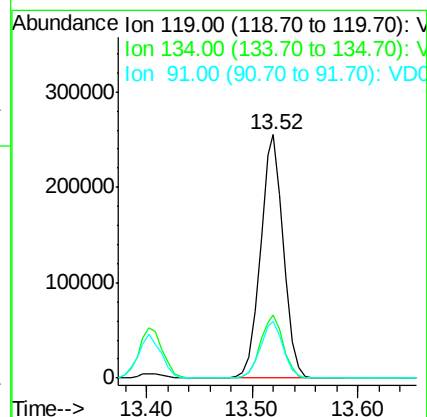
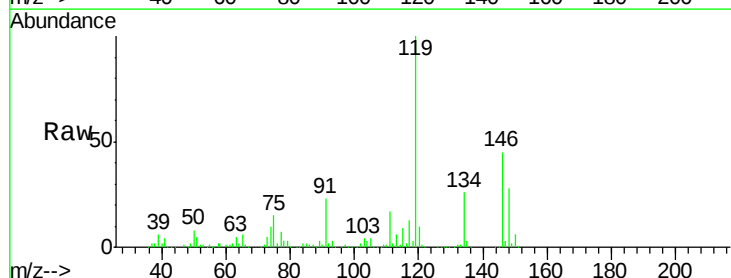
Tgt Ion:119 Resp: 384100

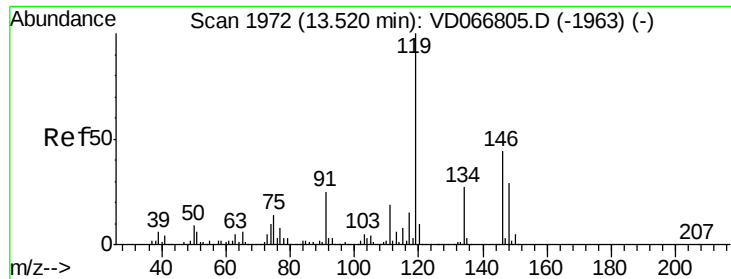
Ion Ratio Lower Upper

119 100

134 25.9 13.0 38.9

91 23.7 12.0 36.1





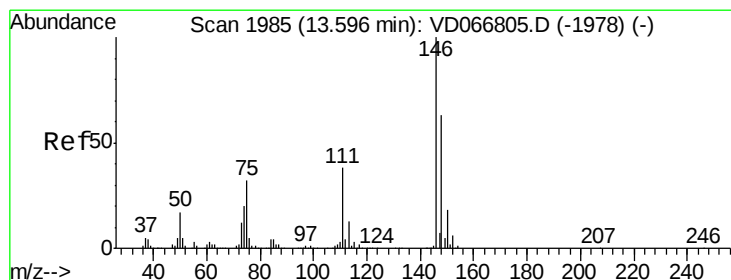
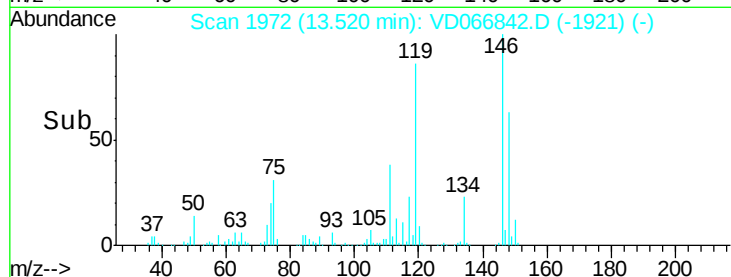
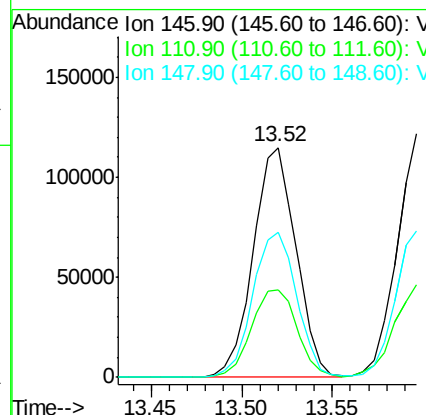
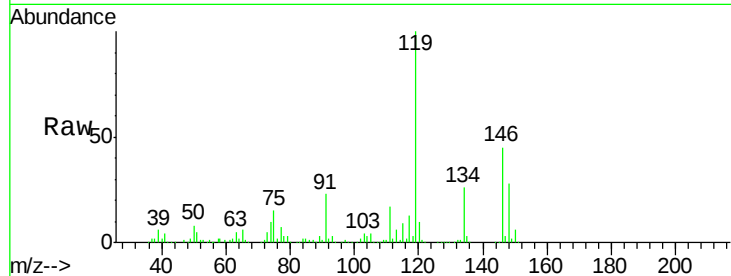
#87
 1,3-Dichlorobenzene
 Concen: 20.181 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066842.D
 Acq: 24 Sep 2020 11:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0924SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	188409		
111	40.8	20.3	60.9	
148	65.1	31.9	95.5	

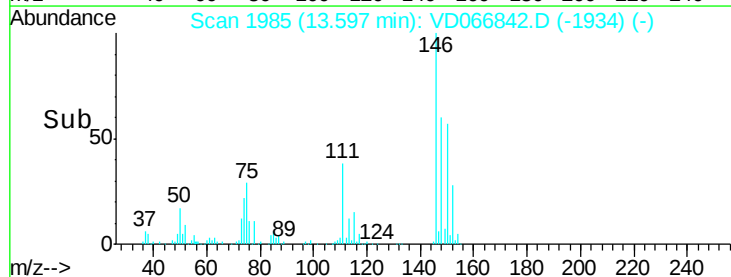
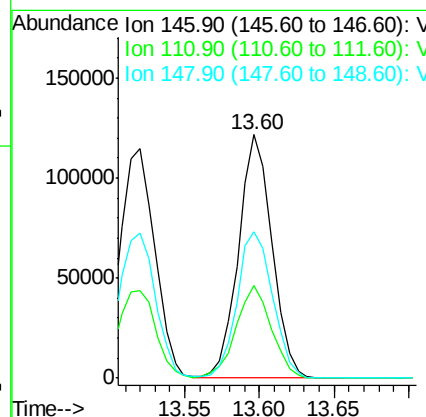
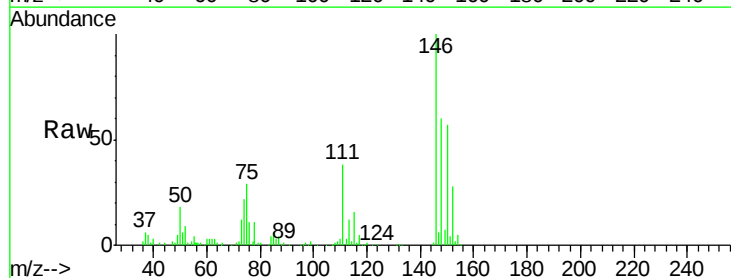
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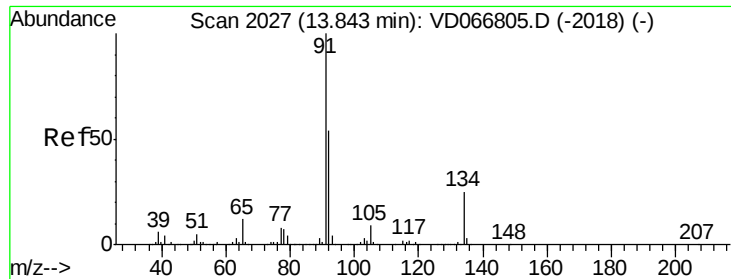
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#88
 1,4-Dichlorobenzene
 Concen: 20.509 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD066842.D
 Acq: 24 Sep 2020 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	190170		
111	40.1	20.2	60.5	
148	63.8	31.6	94.7	





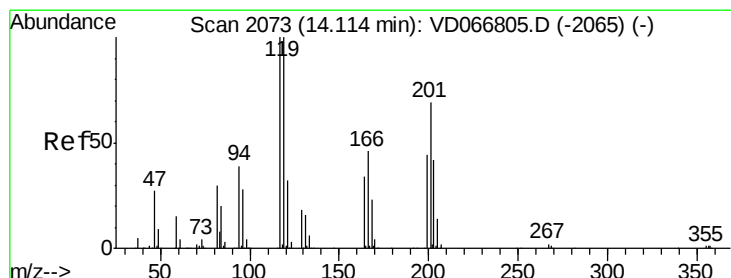
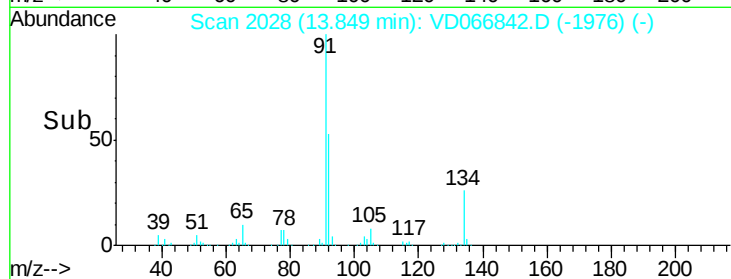
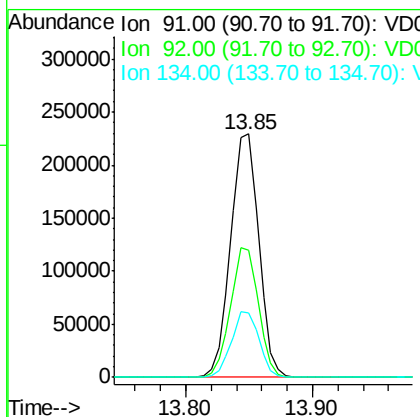
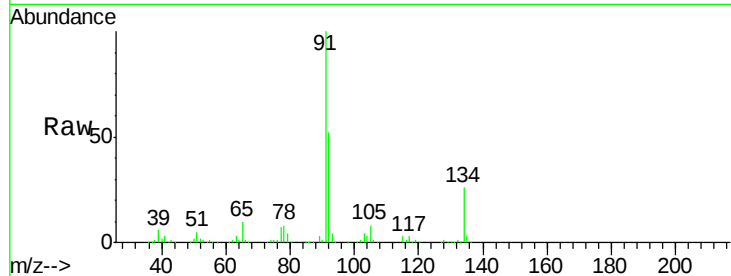
#89
n-Butylbenzene
Concen: 20.236 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD066842.D
Acq: 24 Sep 2020 11:09

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.7	26.7	80.0	
134	26.5	13.1	39.1	

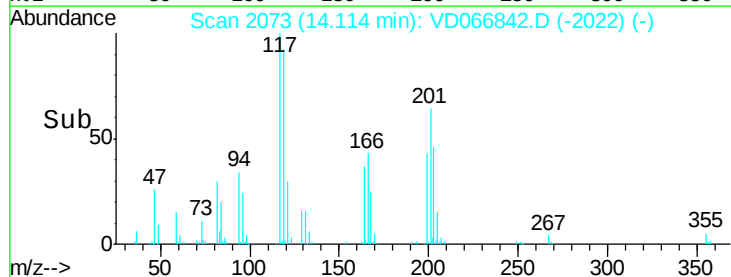
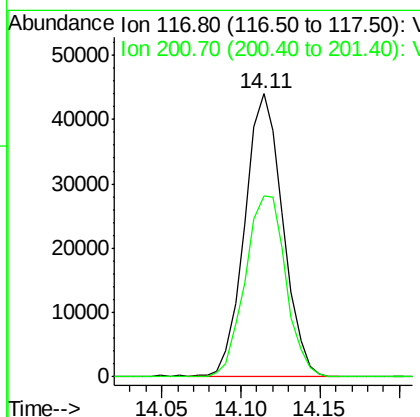
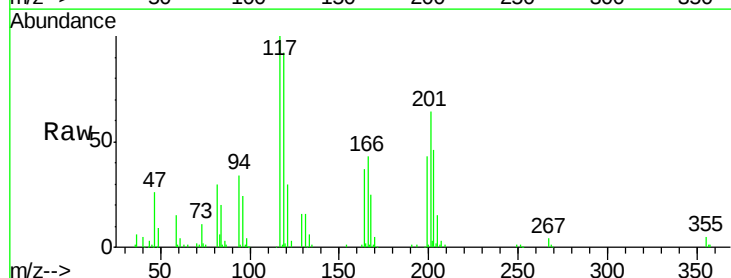
Manual Integrations
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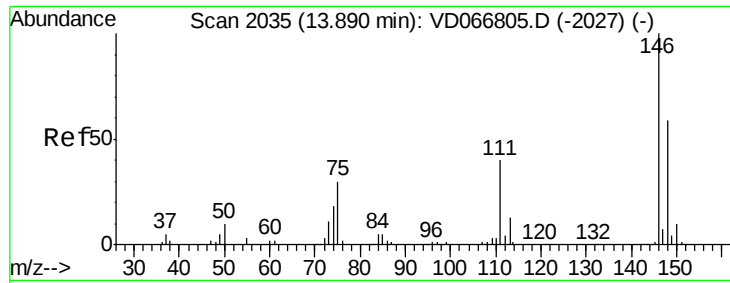
MMDadoda
9/25/2020 4:00:00 PM



#90
Hexachloroethane
Concen: 19.810 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066842.D
Acq: 24 Sep 2020 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	68.2	33.7	101.0	





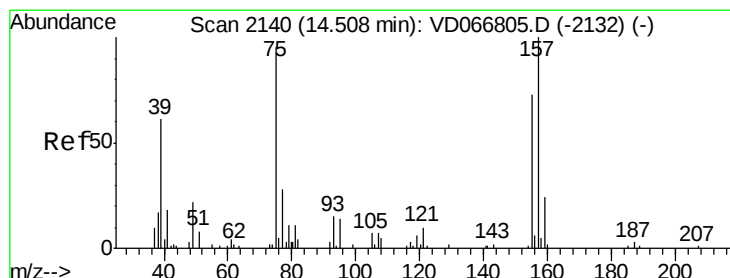
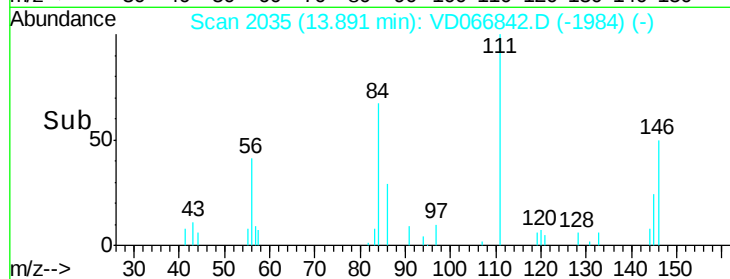
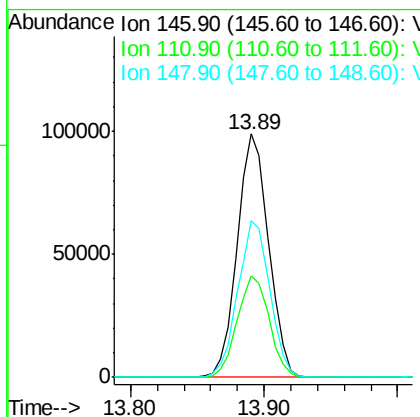
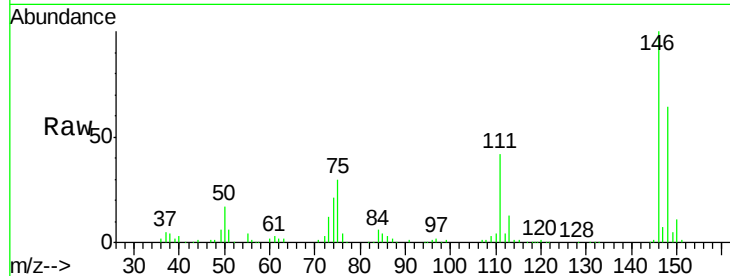
#91
 1,2-Dichlorobenzene
 Concen: 20.140 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD066842.D
 Acq: 24 Sep 2020 11:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0924SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.9	62.7
148	65.5	31.8	95.3

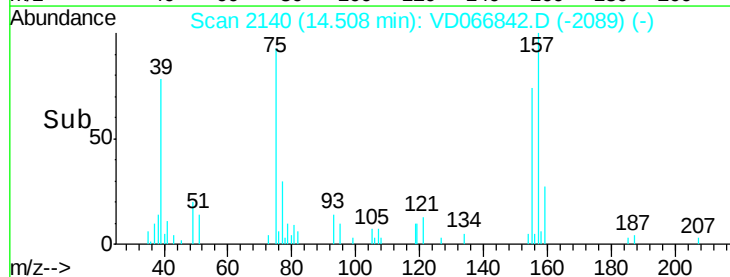
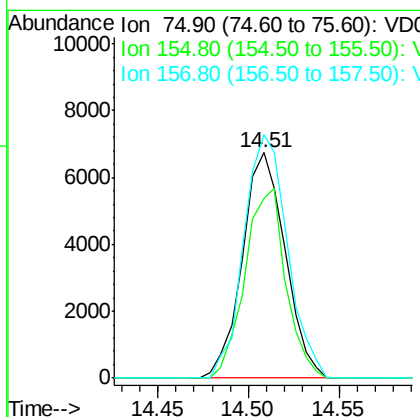
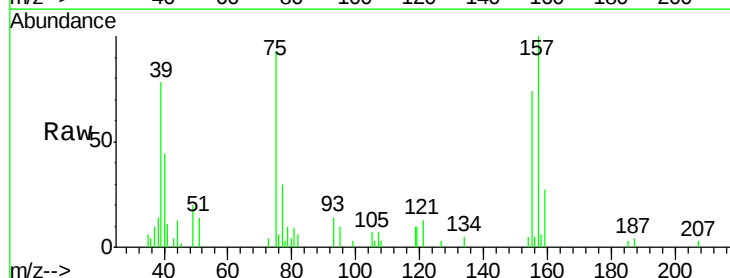
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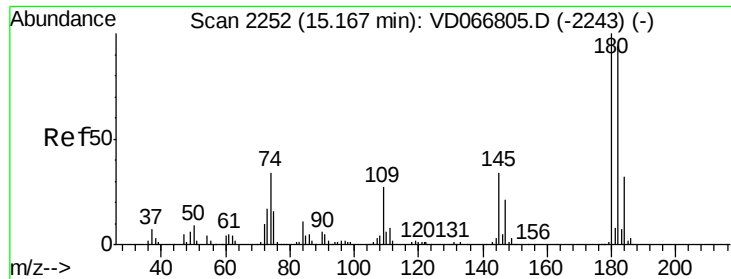
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.740 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD066842.D
 Acq: 24 Sep 2020 11:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.0	40.4	121.2
157	109.8	51.3	153.9





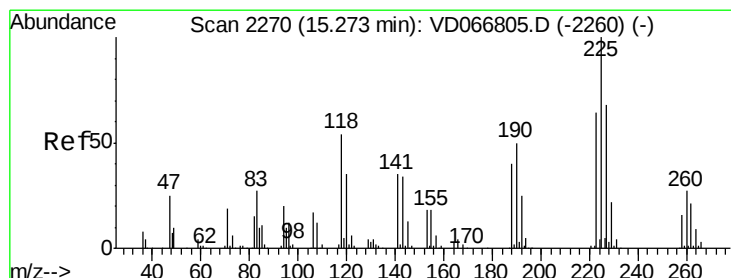
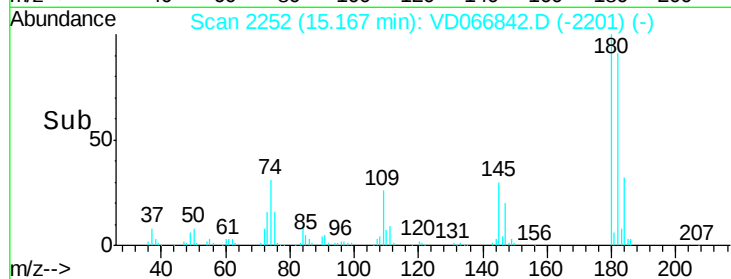
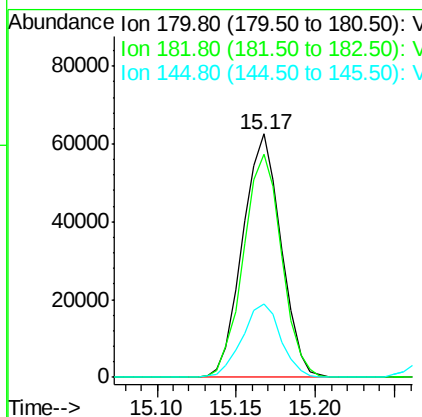
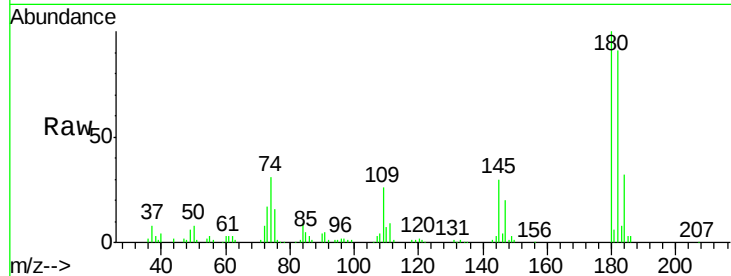
#93
 1,2,4-Trichlorobenzene
 Concen: 20.971 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066842.D
 Acq: 24 Sep 2020 11:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0924SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	105446		
182	91.2	48.8	146.3	
145	30.5	16.7	50.0	

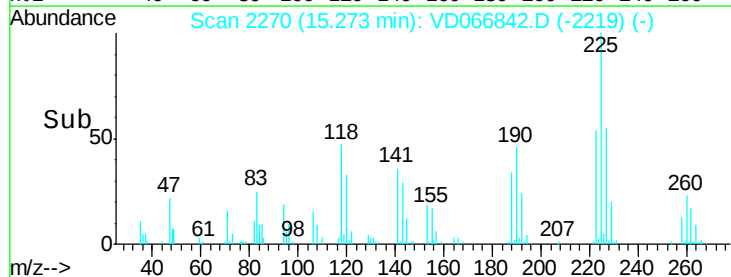
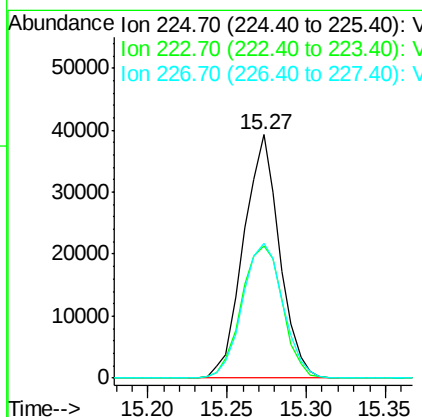
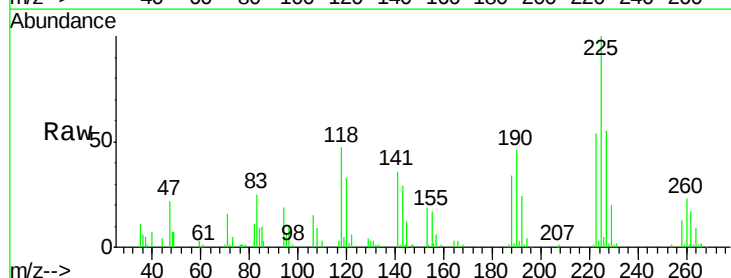
Manual Integrations
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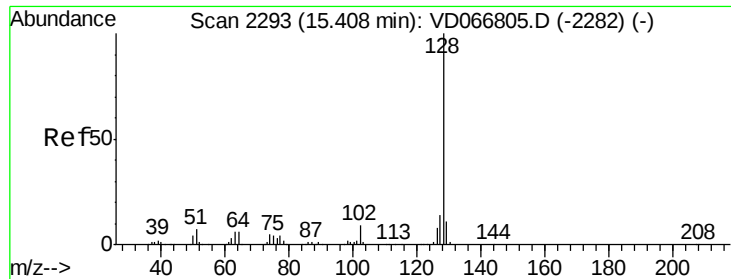
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#94
 Hexachlorobutadiene
 Concen: 20.544 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066842.D
 Acq: 24 Sep 2020 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	61901		
223	62.0	31.1	93.3	
227	62.4	31.7	95.1	





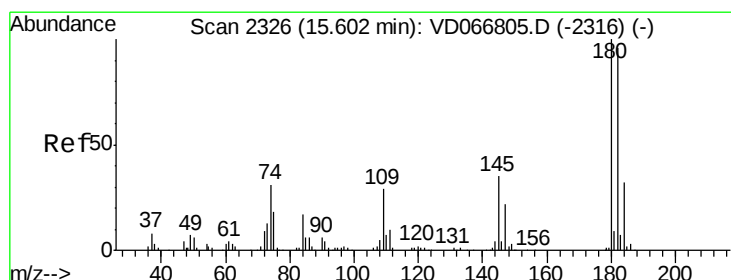
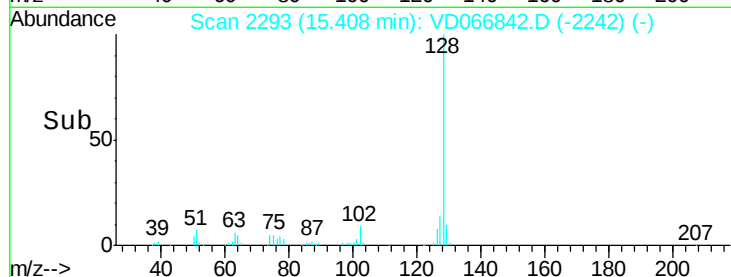
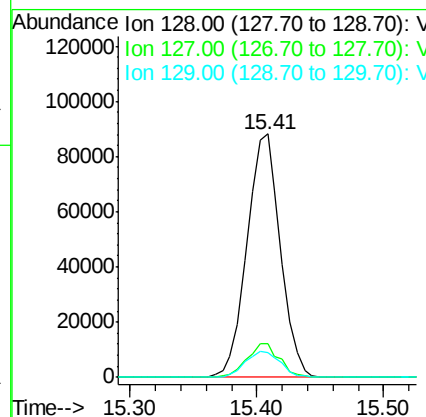
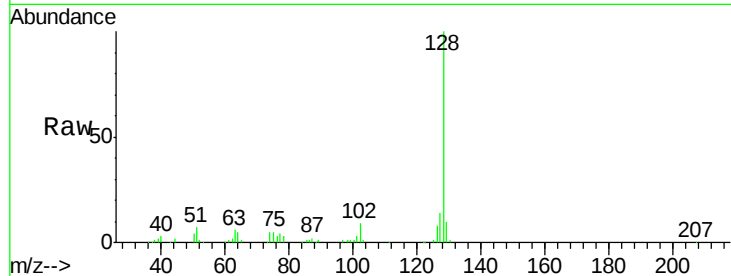
#95
Naphthalene
Concen: 18.862 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066842.D
Acq: 24 Sep 2020 11:09

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	161015		
127	13.4	10.6	16.0	
129	11.2	8.9	13.3	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.316 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066842.D
Acq: 24 Sep 2020 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	88169		
182	96.1	46.8	140.3	
145	33.2	17.0	51.0	

