

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092220\
 Data File : VD066811.D
 Acq On : 22 Sep 2020 15:23
 Operator : VA/SY
 Sample : VD0922SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0922SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/23/2020 1:05:10 PM

Quant Time: Sep 23 02:30:56 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	7.97	168	422926	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	670496	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	608918	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	281683	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	193910	46.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.68%	
35) Dibromofluoromethane	7.91	113	205162	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	
50) Toluene-d8	10.34	98	730915	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
62) 4-Bromofluorobenzene	12.63	95	249641	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	82217	24.967	ug/l	92
3) Chloromethane	2.21	50	87200	22.441	ug/l	98
4) Vinyl Chloride	2.35	62	85904	22.377	ug/l	99
5) Bromomethane	2.76	94	60686	22.491	ug/l	94
6) Chloroethane	2.92	64	52076	21.844	ug/l	99
7) Trichlorofluoromethane	3.27	101	168889	21.421	ug/l	99
8) Diethyl Ether	3.71	74	39999	19.984	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	94700	20.714	ug/l	99
10) Methyl Iodide	4.30	142	82788	20.521	ug/l	97
11) Tert butyl alcohol	5.21	59	32005	99.132	ug/l #	72
12) 1,1-Dichloroethene	4.06	96	84226	20.338	ug/l	96
13) Acrolein	3.93	56	30835	100.978	ug/l	100
14) Allyl chloride	4.72	41	128375	21.110	ug/l	98
15) Acrylonitrile	5.43	53	88716	100.017	ug/l	99
16) Acetone	4.16	43	85525	97.396	ug/l	93
17) Carbon Disulfide	4.41	76	274708	21.697	ug/l	98
18) Methyl Acetate	4.71	43	40083	18.146	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	181391	20.169	ug/l	99
20) Methylene Chloride	4.97	84	140772	27.029	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	98643	20.571	ug/l	94
22) Diisopropyl ether	6.36	45	271163	21.687	ug/l #	93
23) Vinyl Acetate	6.30	43	666262	99.767	ug/l	99
24) 1,1-Dichloroethane	6.26	63	172868	20.666	ug/l	100
25) 2-Butanone	7.21	43	103679	98.250	ug/l	96
26) 2,2-Dichloropropane	7.20	77	157701	20.569	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	108656	20.855	ug/l	98
28) Bromochloromethane	7.55	49	67981	19.672	ug/l #	99
29) Tetrahydrofuran	7.56	42	66060	97.699	ug/l	99
30) Chloroform	7.71	83	184290	20.439	ug/l	98
31) Cyclohexane	7.98	56	158583	21.070	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	170399	20.891	ug/l	100
36) 1,1-Dichloropropene	8.11	75	143142	21.519	ug/l	99
37) Ethyl Acetate	7.29	43	51413	21.380	ug/l	100
38) Carbon Tetrachloride	8.10	117	154270	21.213	ug/l	96

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 Operator : VA/SY
 Sample : VD0922SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
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 ClientSampleID :
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Manual Integrations
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Quant Time: Sep 23 02:30:56 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	163968	21.469	ug/l	96
40) Benzene	8.35	78	383832	20.704	ug/l	98
41) Methacrylonitrile	7.53	41	25240	17.068	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	112241	20.480	ug/l	99
43) Isopropyl Acetate	8.44	43	92196	19.886	ug/l #	79
44) Trichloroethene	9.11	130	109272	20.679	ug/l	94
45) 1,2-Dichloropropane	9.38	63	95358	20.444	ug/l	97
46) Dibromomethane	9.47	93	51704	20.402	ug/l	97
47) Bromodichloromethane	9.66	83	143169	21.030	ug/l	100
48) Methyl methacrylate	9.46	41	50993	22.308	ug/l	88
49) 1,4-Dioxane	9.45	88	10599	295.712	ug/l #	88
51) 4-Methyl-2-Pentanone	10.23	43	237969	101.300	ug/l	98
52) Toluene	10.40	92	251983	21.102	ug/l	96
53) t-1,3-Dichloropropene	10.62	75	120083	20.724	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	146880	20.789	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	72071	20.687	ug/l	96
56) Ethyl methacrylate	10.65	69	75988	20.360	ug/l	99
57) 1,3-Dichloropropane	10.94	76	117208	20.374	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	192672	109.028	ug/l	99
59) 2-Hexanone	10.98	43	158997	100.363	ug/l	99
60) Dibromochloromethane	11.14	129	94608	20.807	ug/l	97
61) 1,2-Dibromoethane	11.24	107	66635	20.564	ug/l	98
64) Tetrachloroethene	10.87	164	91299	20.844	ug/l	94
65) Chlorobenzene	11.67	112	269138	21.234	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	95854	19.981	ug/l	96
67) Ethyl Benzene	11.74	91	465995	20.933	ug/l	100
68) m/p-Xylenes	11.85	106	363685	43.150	ug/l	97
69) o-Xylene	12.18	106	161310	21.166	ug/l	99
70) Styrene	12.19	104	282984	21.381	ug/l	99
71) Bromoform	12.36	173	48135	19.818	ug/l #	99
73) Isopropylbenzene	12.48	105	453731	22.298	ug/l	99
74) N-amyl acetate	12.29	43	82351	20.723	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	71500	20.363	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	55342m	23.708	ug/l	
77) Bromobenzene	12.76	156	100683	21.156	ug/l	98
78) n-propylbenzene	12.82	91	547733	22.374	ug/l	99
79) 2-Chlorotoluene	12.91	91	309405	22.179	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	388468	22.499	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	20024	21.461	ug/l	95
82) 4-Chlorotoluene	13.00	91	330502	22.475	ug/l	99
83) tert-Butylbenzene	13.23	119	312880	22.052	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	386521	22.575	ug/l	100
85) sec-Butylbenzene	13.40	105	454299	22.267	ug/l	98
86) p-Isopropyltoluene	13.52	119	410748	22.335	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	202338	21.520	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	194235	20.799	ug/l	96
89) n-Butylbenzene	13.85	91	383924	21.964	ug/l	99
90) Hexachloroethane	14.11	117	78505	21.026	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	173493	21.568	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12109	21.438	ug/l	92

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Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0922SBSD01

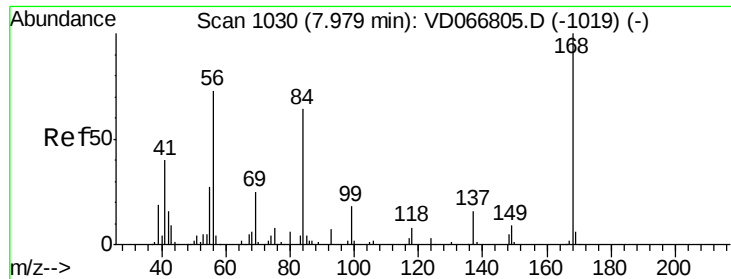
Manual Integrations
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9/23/2020 1:05:10 PM

Quant Time: Sep 23 02:30:56 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	107802	21.289	ug/l	96
94) Hexachlorobutadiene	15.27	225	63613	20.963	ug/l	97
95) Naphthalene	15.40	128	173338	20.162	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	89858	20.559	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

VD0922SBS01

Tot Ion:168 Resp: 422926

Ion Ratio Lower Upper

168 100

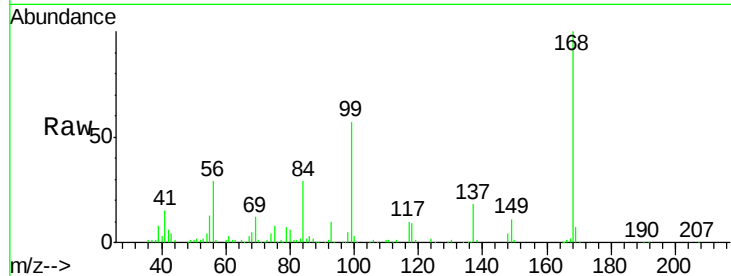
99 57.0 46.6 69.8

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

7.97

200000

150000

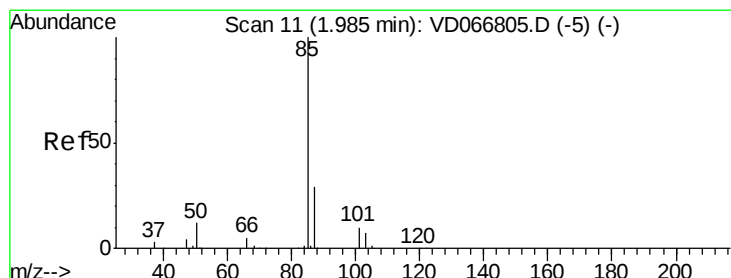
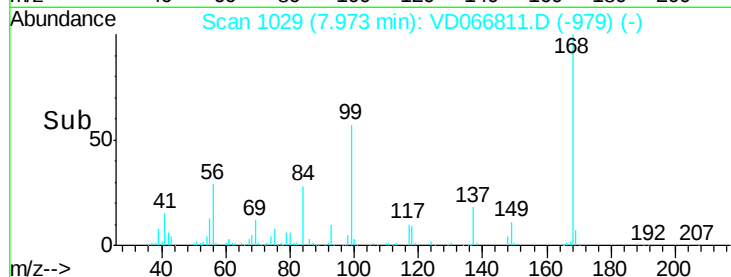
100000

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7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 24.967 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066811.D

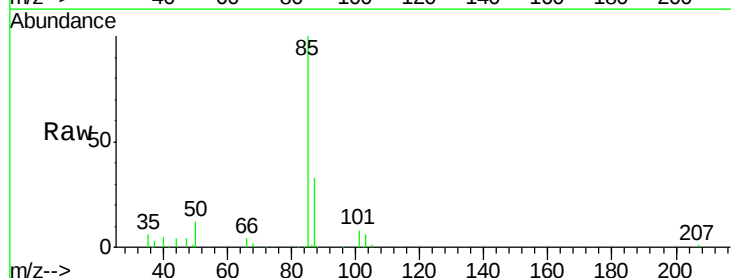
Acq: 22 Sep 2020 15:23

Tgt Ion: 85 Resp: 82217

Ion Ratio Lower Upper

85 100

87 33.5 14.5 43.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

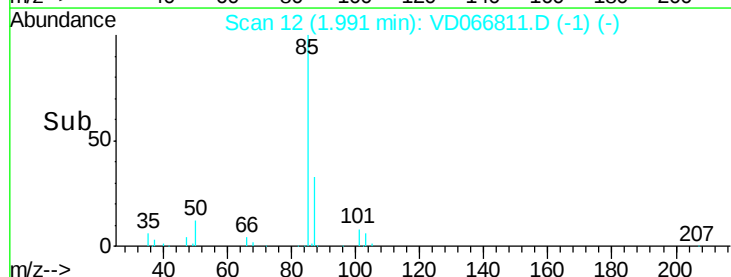
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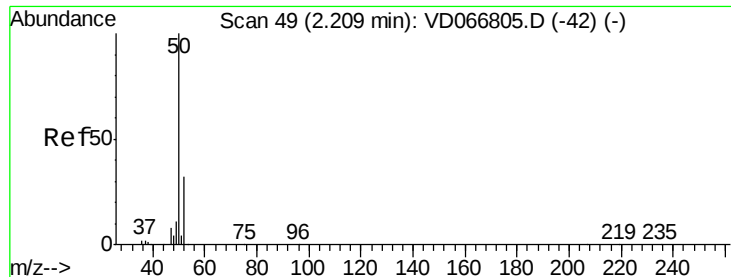
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 22.441 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

VD0922SBS01

Tot Ion: 50 Resp: 87200

Ion Ratio Lower Upper

50 100

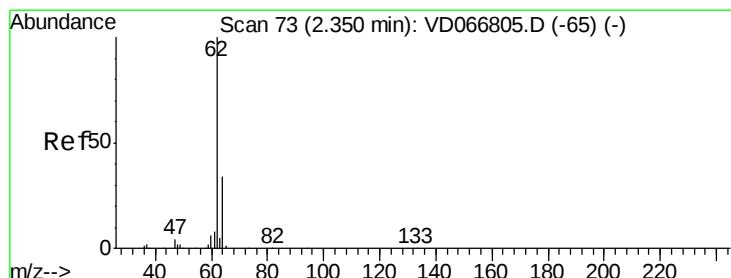
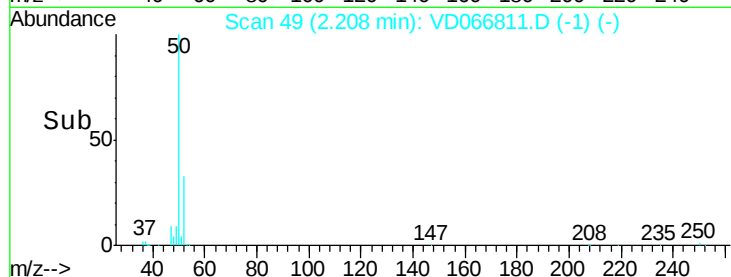
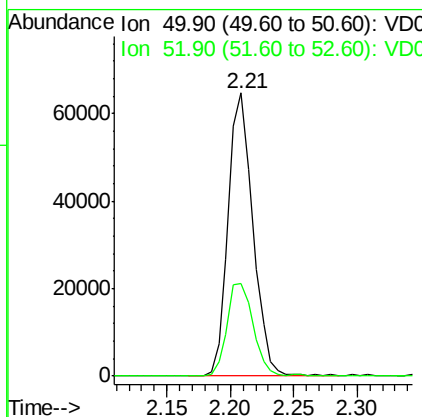
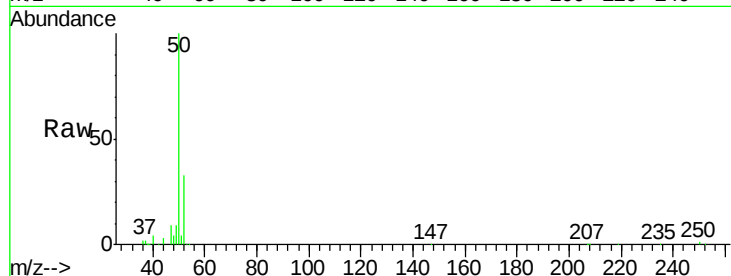
52 32.7 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 22.377 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066811.D

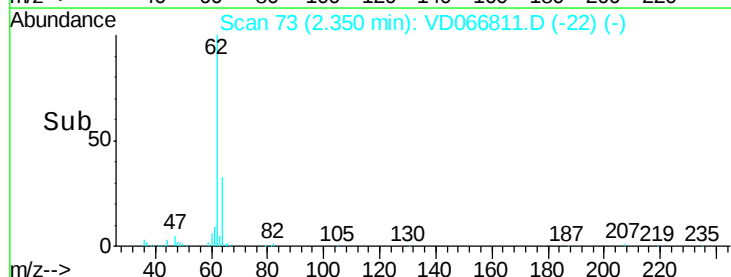
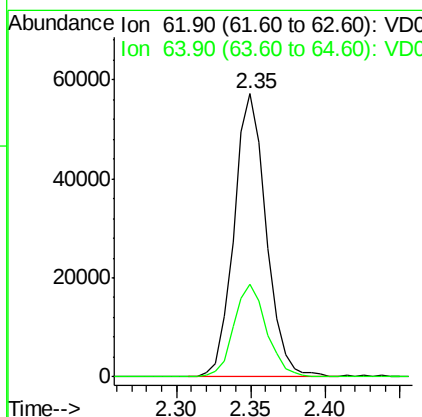
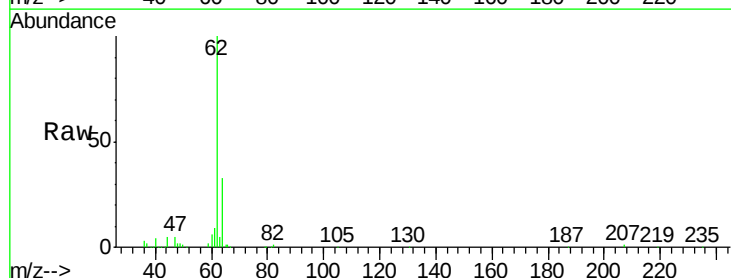
Acq: 22 Sep 2020 15:23

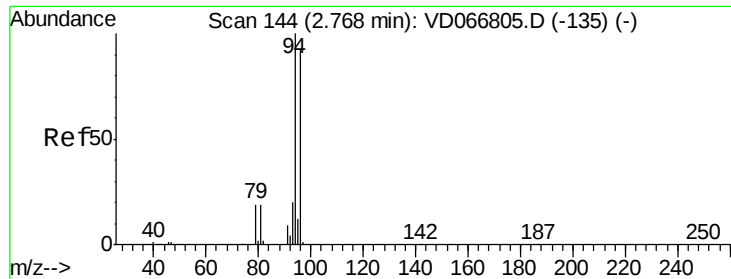
Tgt Ion: 62 Resp: 85904

Ion Ratio Lower Upper

62 100

64 32.9 27.0 40.4





#5

Bromomethane

Concen: 22.491 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

VD0922SBS01

Tot Ion: 94 Resp: 60686

Ion Ratio Lower Upper

94 100

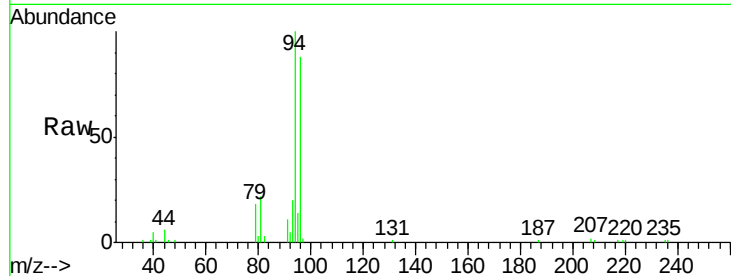
96 86.9 74.3 111.5

Manual Integrations

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9/23/2020 1:05:10 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

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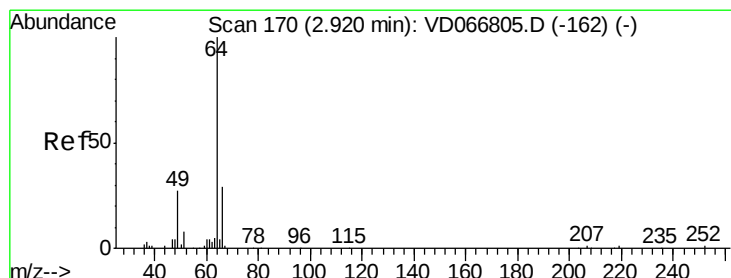
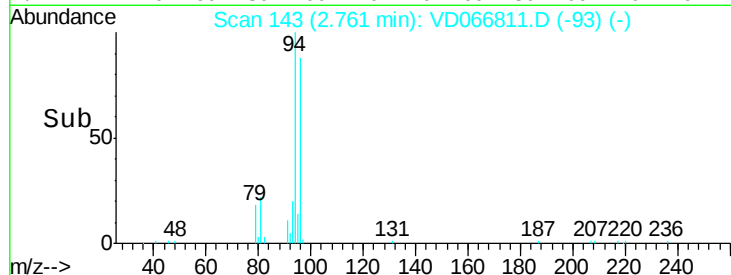
2.76

2.76

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2.76



#6

Chloroethane

Concen: 21.844 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066811.D

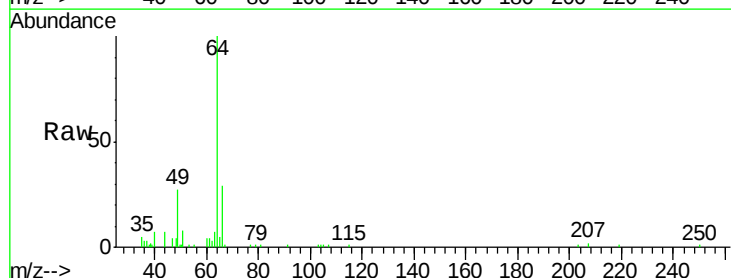
Acq: 22 Sep 2020 15:23

Tgt Ion: 64 Resp: 52076

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

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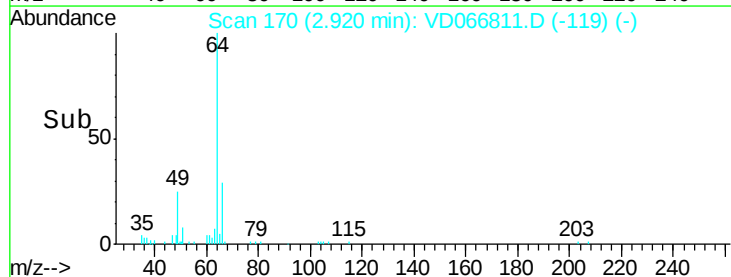
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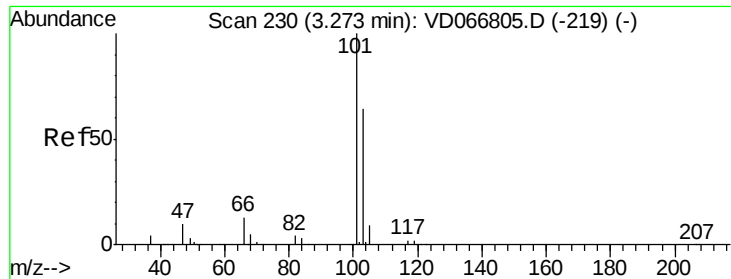
2.92

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2.92





#7

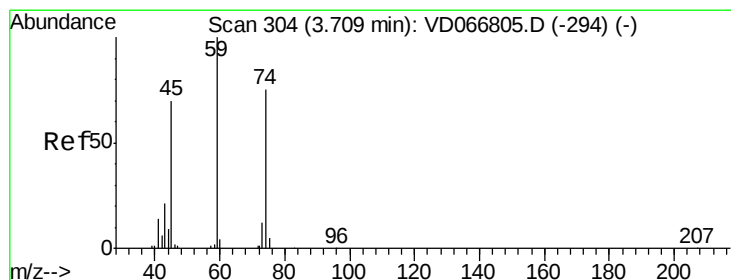
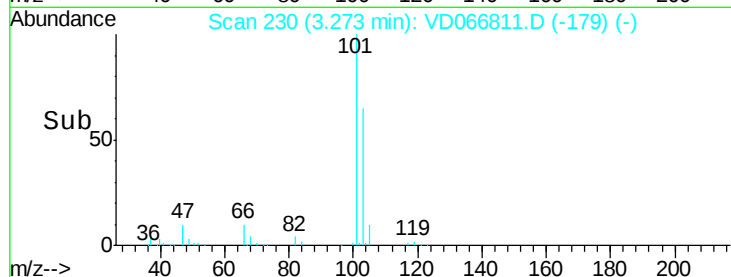
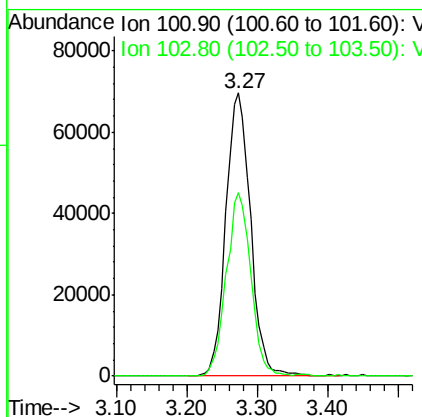
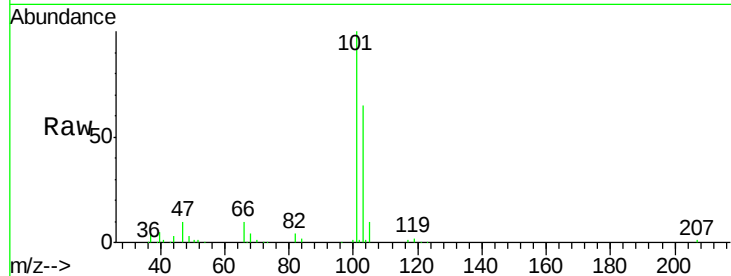
Trichlorofluoromethane
 Concen: 21.421 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD066811.D
 Acq: 22 Sep 2020 15:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0922SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	168889		
103	64.8	51.0	76.6	

Manual Integrations
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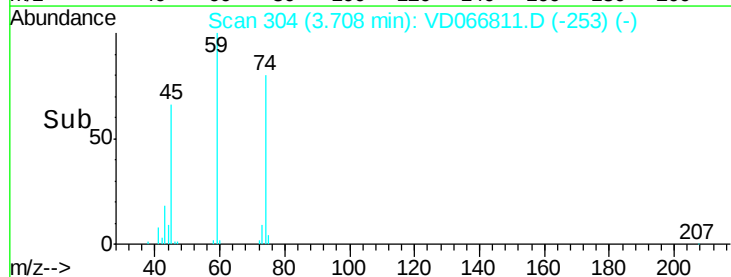
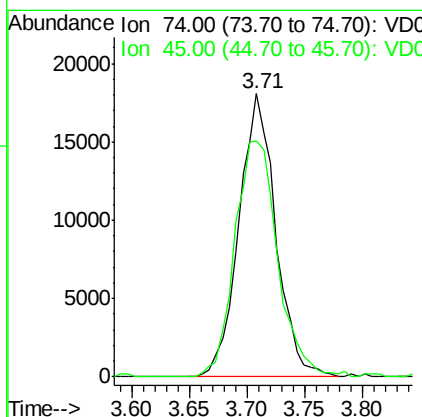
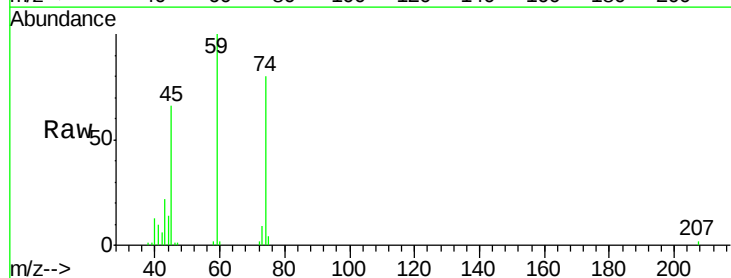
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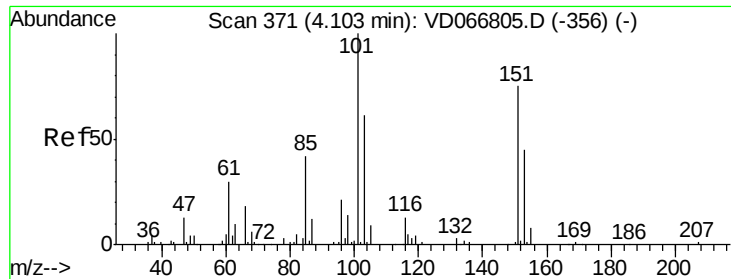


#8

Diethyl Ether
 Concen: 19.984 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD066811.D
 Acq: 22 Sep 2020 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	39999		
45	97.3	46.0	138.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.714 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

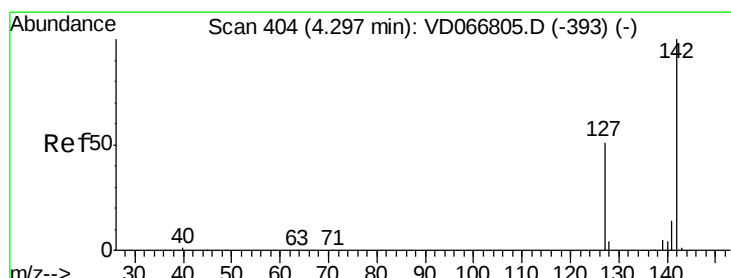
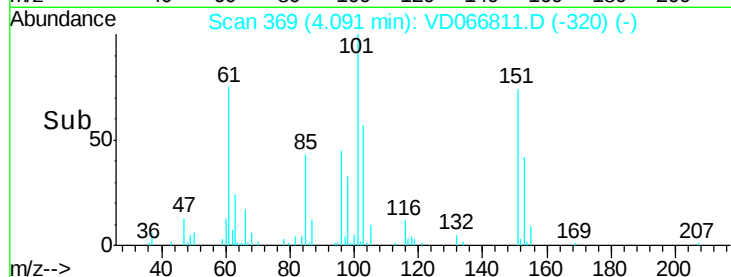
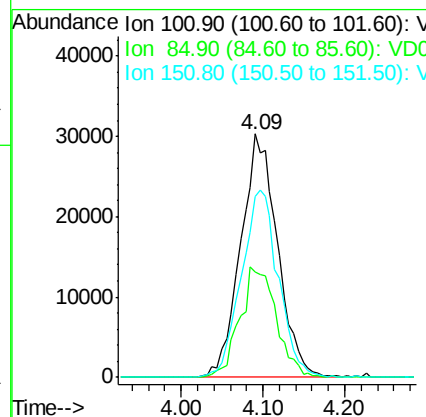
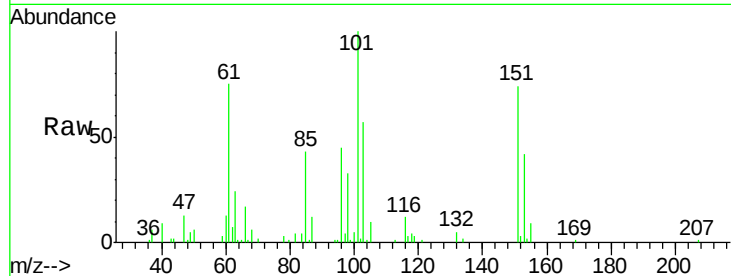
ClientSampleId :

VD0922SBS01

Tot Ion:	101	Resp:	94700
Ion Ratio	Lower	Upper	
101	100		
85	44.9	35.4	53.2
151	77.6	61.4	92.0

Manual Integrations
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#10

Methyl Iodide

Concen: 20.521 ug/l

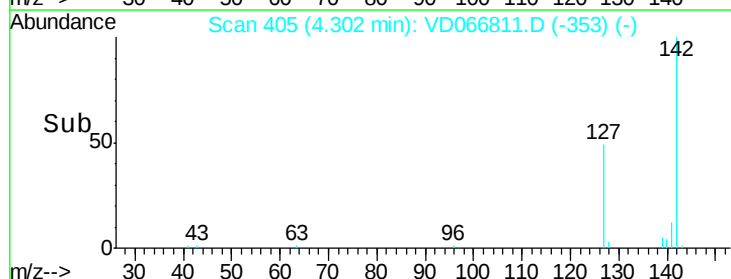
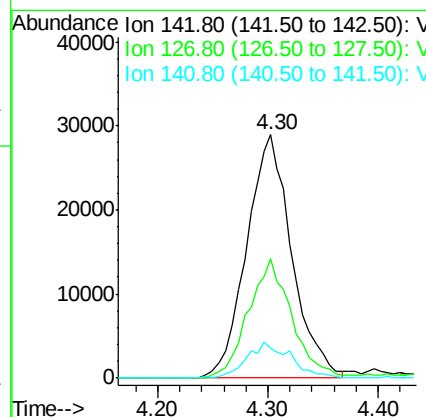
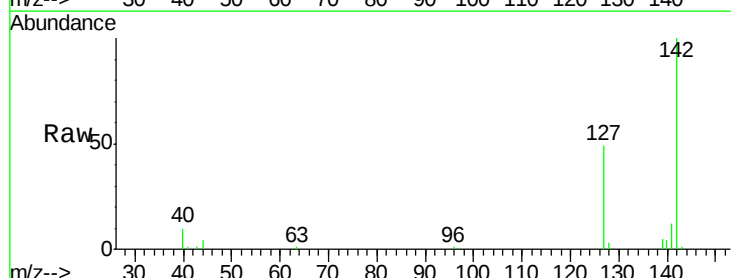
RT: 4.30 min Scan# 405

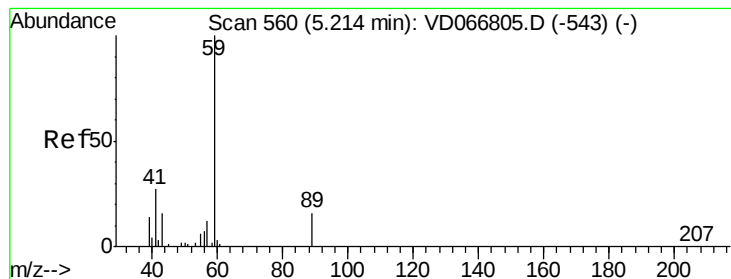
Delta R.T. 0.01 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Tgt Ion:	142	Resp:	82788
Ion Ratio	Lower	Upper	
142	100		
127	47.2	39.4	59.0
141	14.4	12.1	18.1





#11

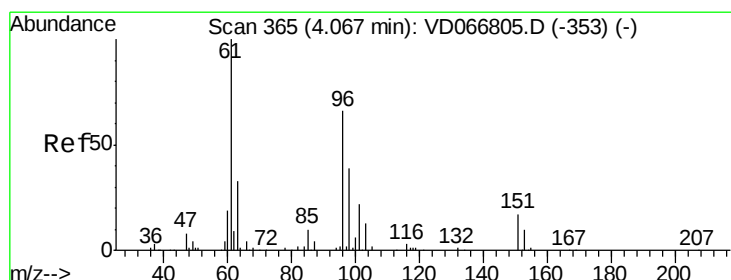
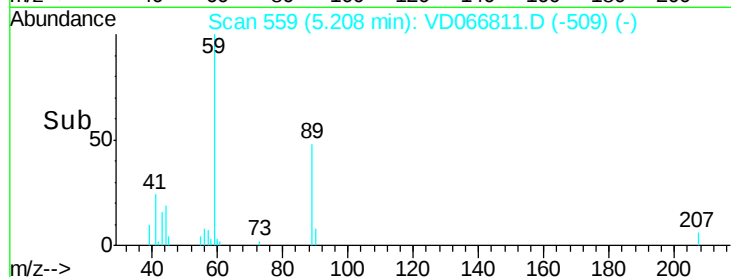
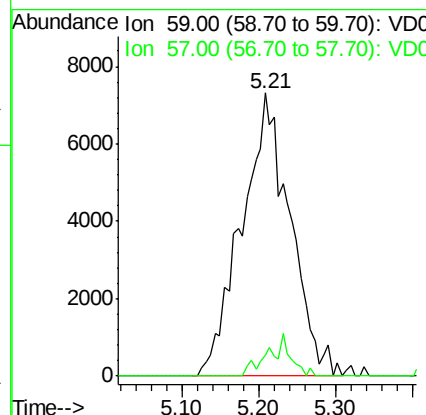
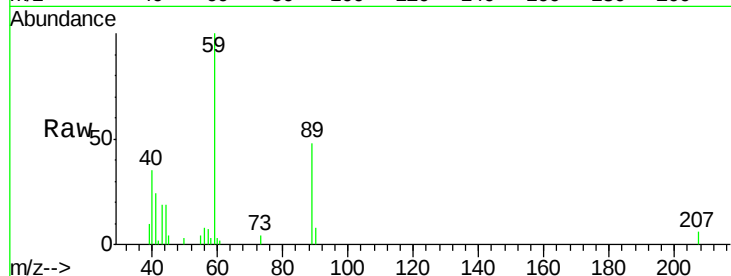
Tert butyl alcohol
 Concen: 99.132 ug/l
 RT: 5.21 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD066811.D
 Acq: 22 Sep 2020 15:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0922SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.3	12.5#

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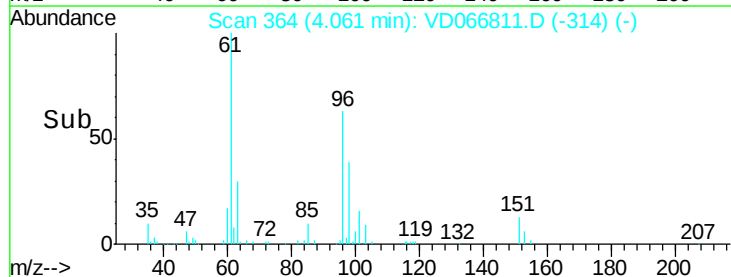
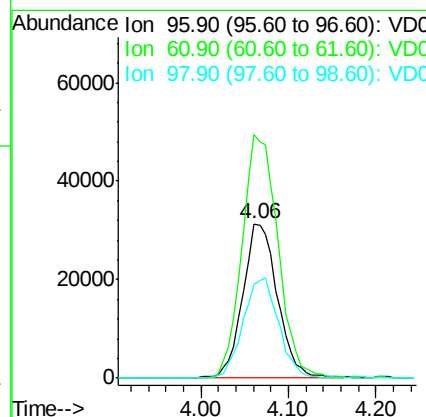
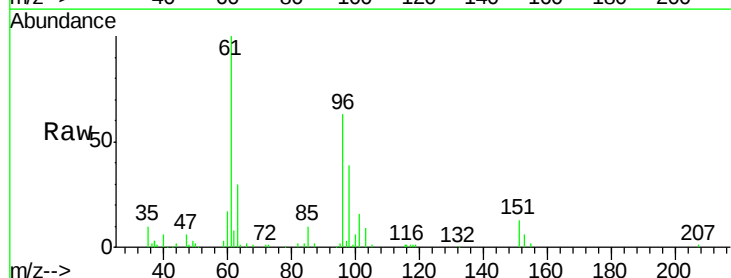
MMDadoda
 9/23/2020 1:05:10 PM

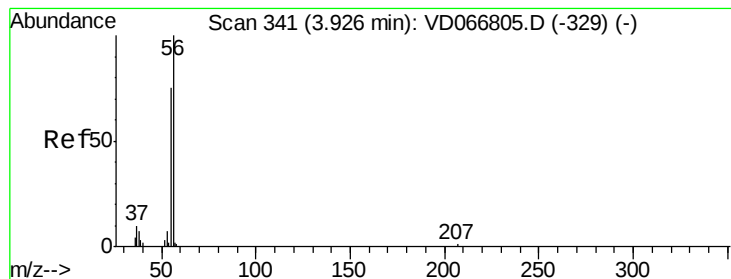


#12

1,1-Dichloroethene
 Concen: 20.338 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD066811.D
 Acq: 22 Sep 2020 15:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.9	120.8	181.2
98	61.0	47.7	71.5





#13

Acrolein

Concen: 100.978 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

VD0922SBS01

Tot Ion: 56 Resp: 30835

Ion Ratio Lower Upper

56 100

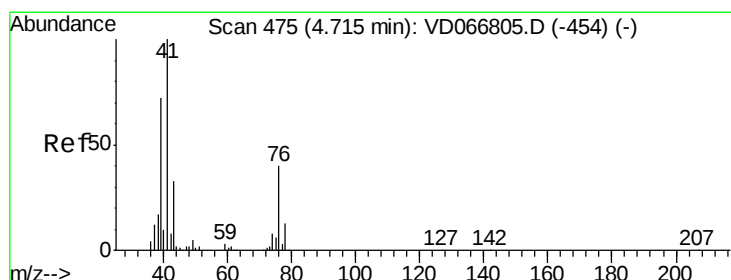
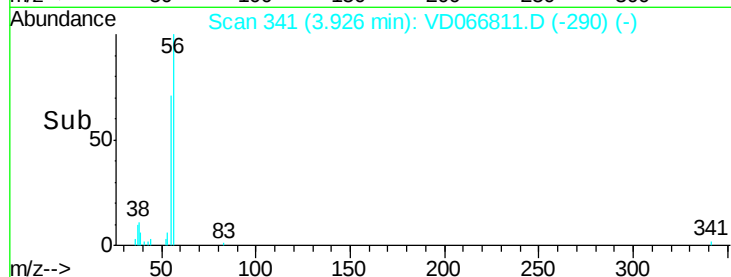
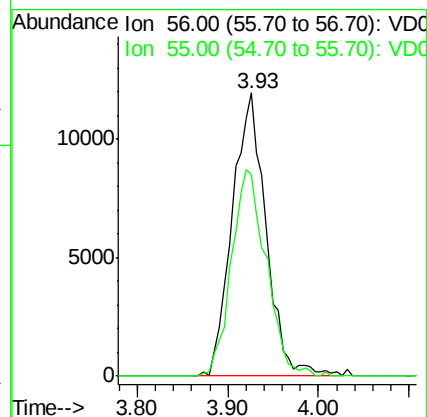
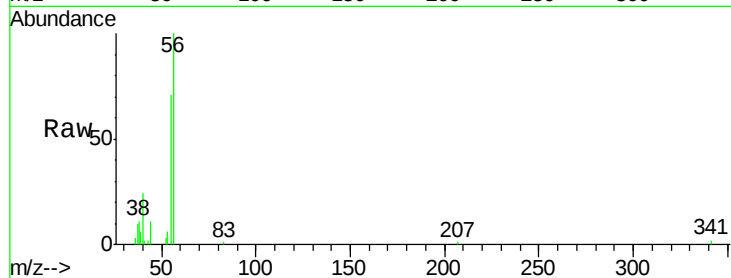
55 75.2 60.3 90.5

Manual Integrations

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#14

Allyl chloride

Concen: 21.110 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

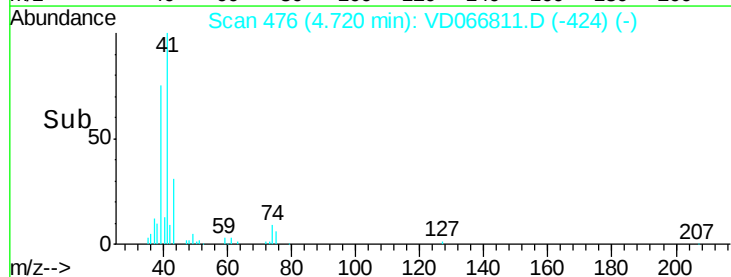
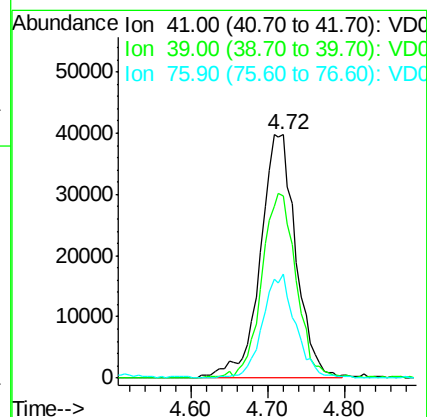
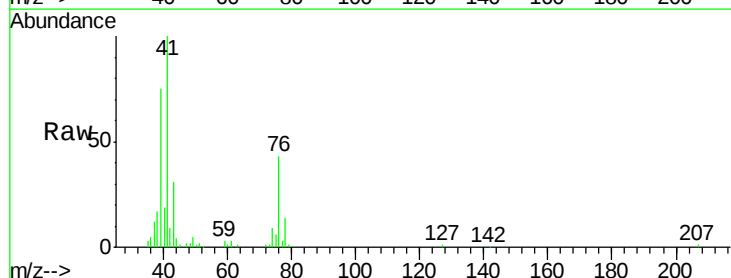
Tgt Ion: 41 Resp: 128375

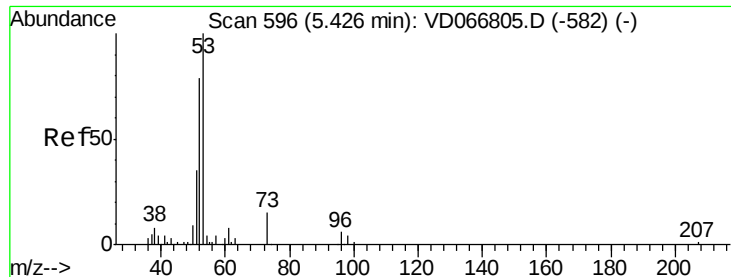
Ion Ratio Lower Upper

41 100

39 73.7 57.8 86.8

76 39.4 30.9 46.3





#15

Acrylonitrile

Concen: 100.017 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

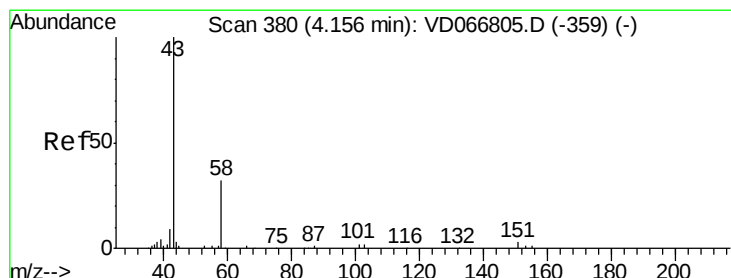
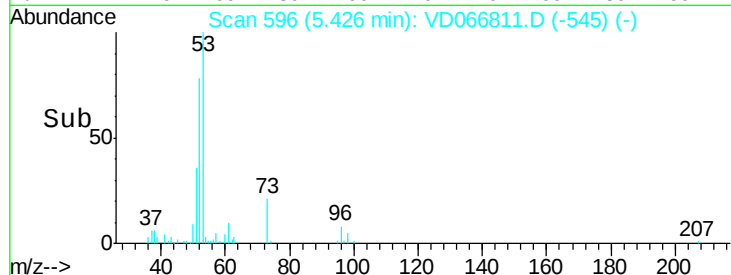
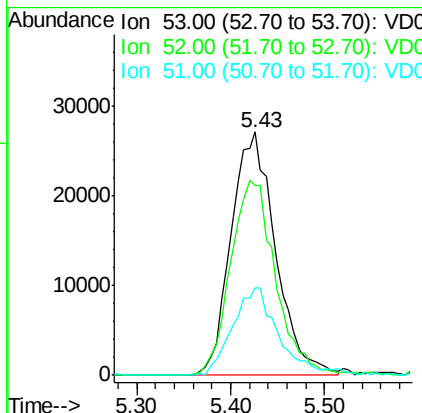
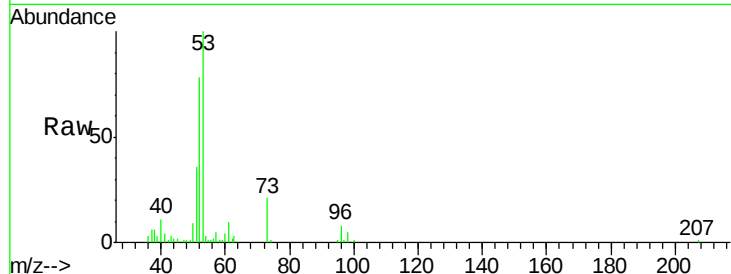
ClientSampleID :

VD0922SBS01

Tot Ion:	53	Resp:	88716
Ion Ratio	Lower	Upper	
53	100		
52	81.2	65.2	97.8
51	37.2	30.6	46.0

Manual Integrations
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#16

Acetone

Concen: 97.396 ug/l

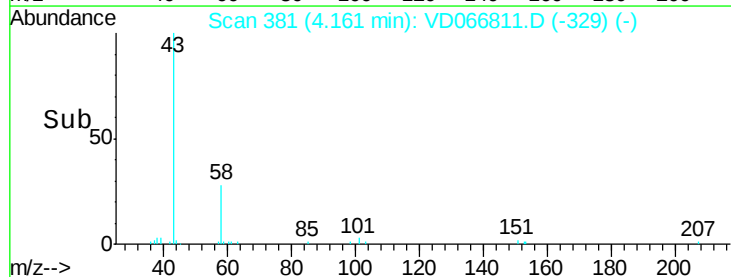
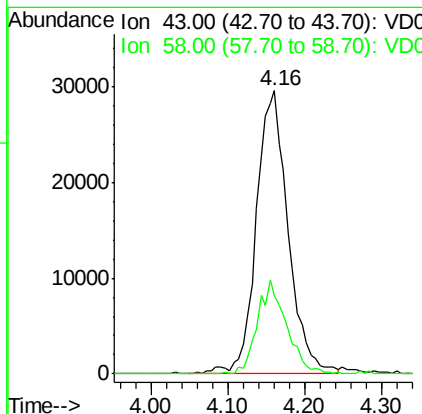
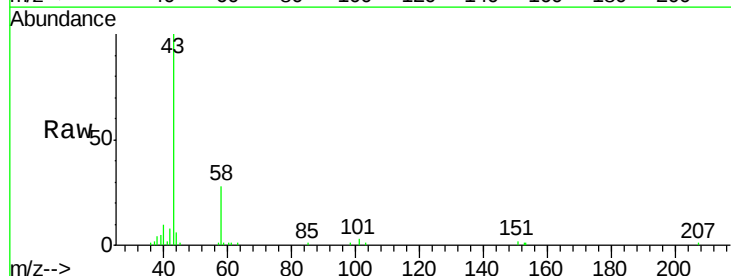
RT: 4.16 min Scan# 381

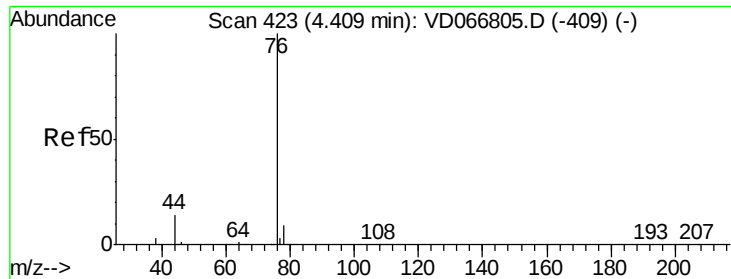
Delta R.T. 0.01 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Tgt Ion:	43	Resp:	85525
Ion Ratio	Lower	Upper	
43	100		
58	27.8	25.6	38.4





#17

Carbon Disulfide

Concen: 21.697 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

VD0922SBS01

Tot Ion: 76 Resp: 274708

Ion Ratio Lower Upper

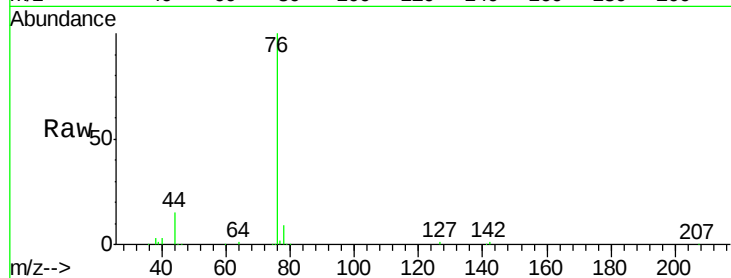
76 100

78 8.9 7.6 11.4

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.41

100000

80000

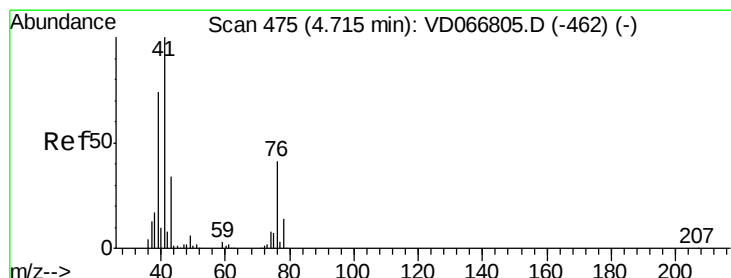
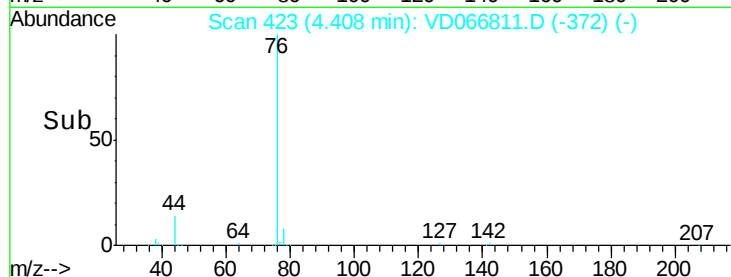
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 18.146 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066811.D

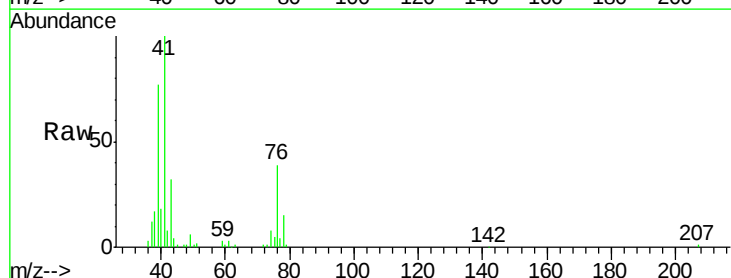
Acq: 22 Sep 2020 15:23

Tgt Ion: 43 Resp: 40083

Ion Ratio Lower Upper

43 100

74 27.2 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.71

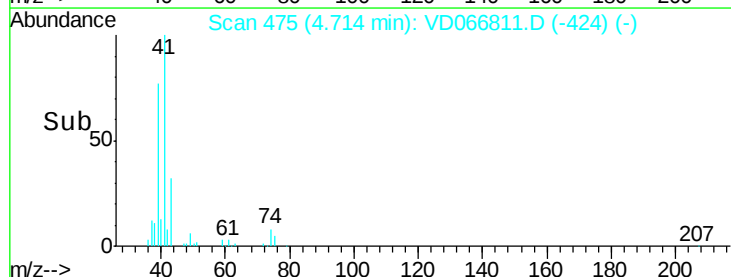
15000

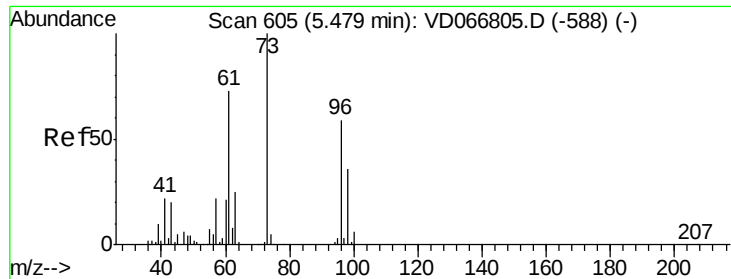
10000

5000

0

Time-->





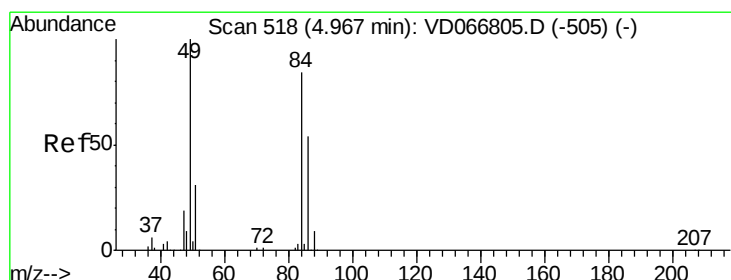
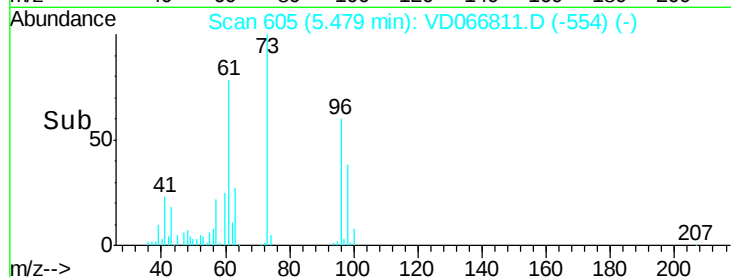
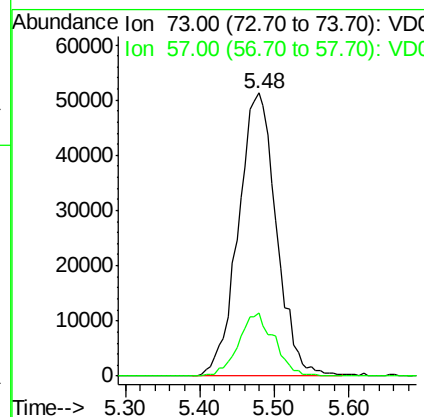
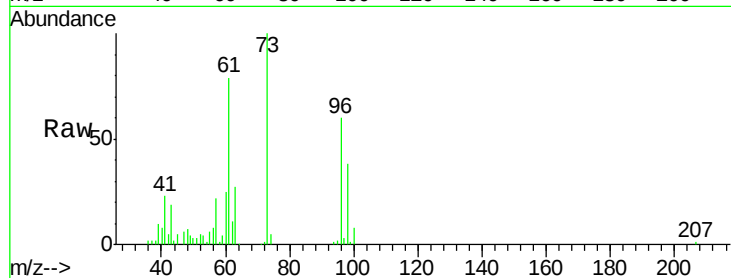
#19
Methyl tert-butyl Ether
Concen: 20.169 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

Instrument :
MSVOA_D
ClientSampleId :
VD0922SBS01

Tot Ion: 73 Resp: 181391
Ion Ratio Lower Upper
73 100
57 22.2 17.4 26.2

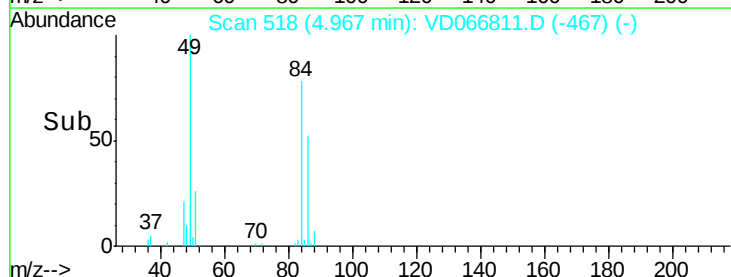
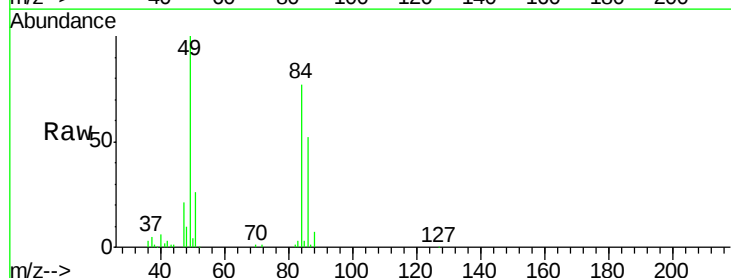
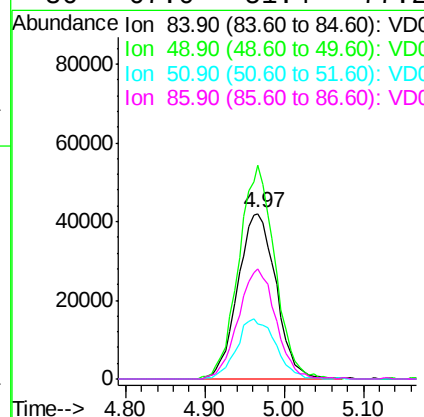
Manual Integrations
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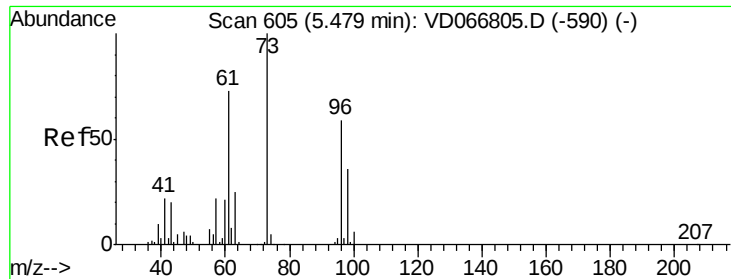
MMDadoda
9/23/2020 1:05:10 PM



#20
Methylene Chloride
Concen: 27.029 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

Tgt Ion: 84 Resp: 140772
Ion Ratio Lower Upper
84 100
49 129.3 95.4 143.2
51 33.7 29.7 44.5
86 67.0 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 20.571 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

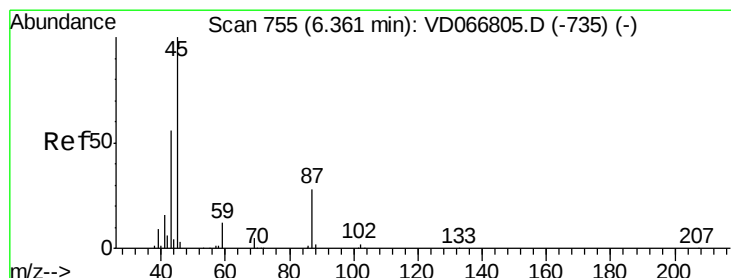
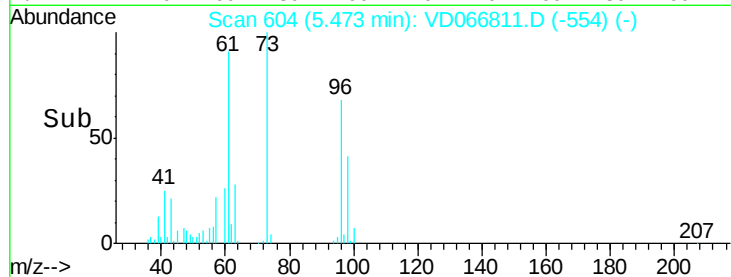
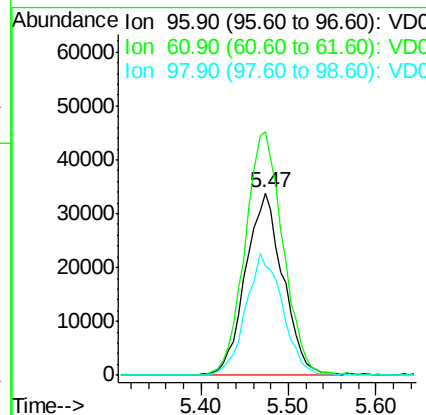
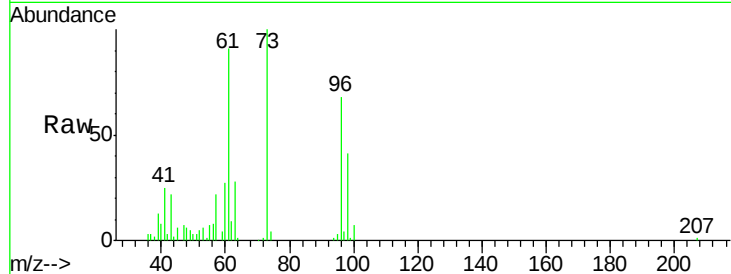
ClientSampleId :

VD0922SBS01

Tot Ion:	96	Resp:	98643
Ion	Ratio	Lower	Upper
96	100		
61	133.3	98.9	148.3
98	59.7	48.4	72.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.687 ug/l

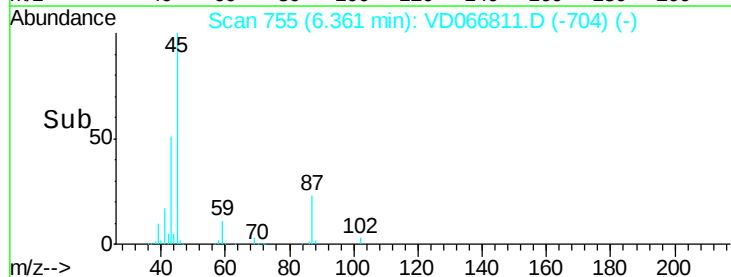
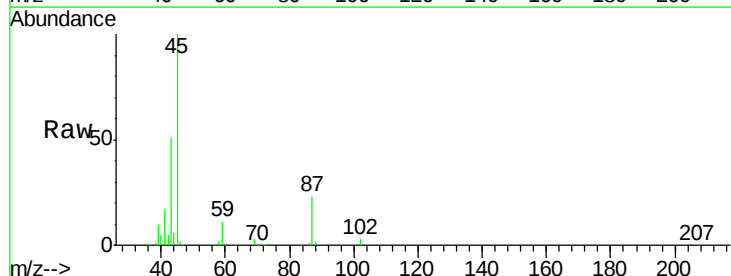
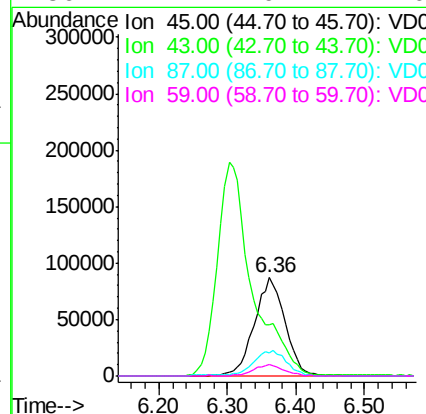
RT: 6.36 min Scan# 755

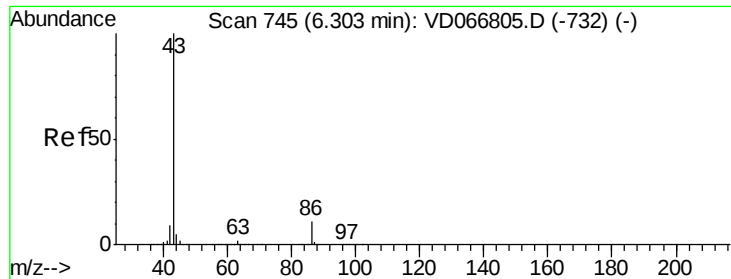
Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Tgt Ion:	45	Resp:	271163
Ion	Ratio	Lower	Upper
45	100		
43	50.8	44.5	66.7
87	22.8	22.9	34.3#
59	11.2	9.4	14.0





#23

Vinyl Acetate

Concen: 99.767 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Tot Ion: 43 Resp: 666262

Ion Ratio Lower Upper

43 100

86 11.5 8.9 13.3

Instrument :

MSVOA_D

ClientSampleId :

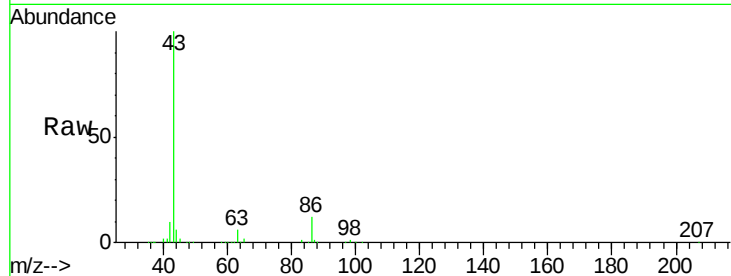
VD0922SBS01

Manual Integrations

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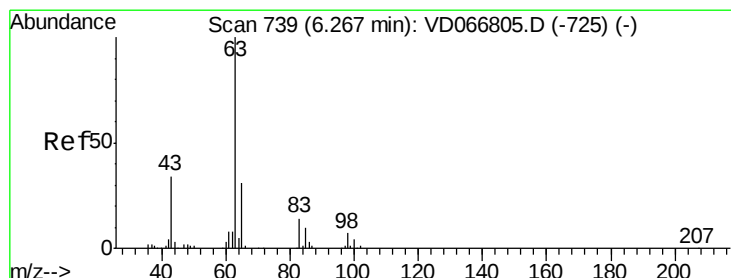
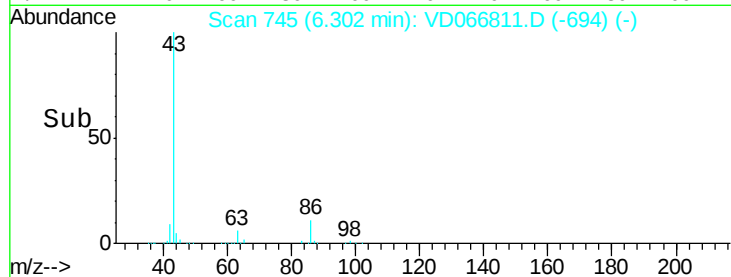
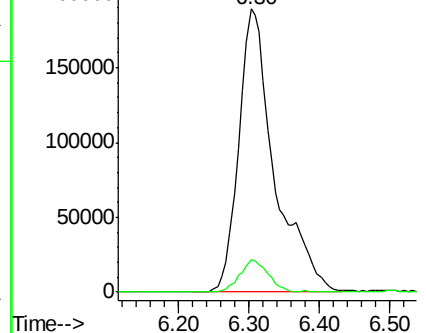
MMDadoda

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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: 20.666 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

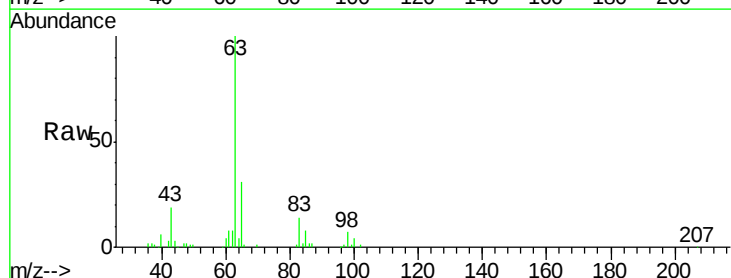
Tgt Ion: 63 Resp: 172868

Ion Ratio Lower Upper

63 100

98 7.4 3.7 11.1

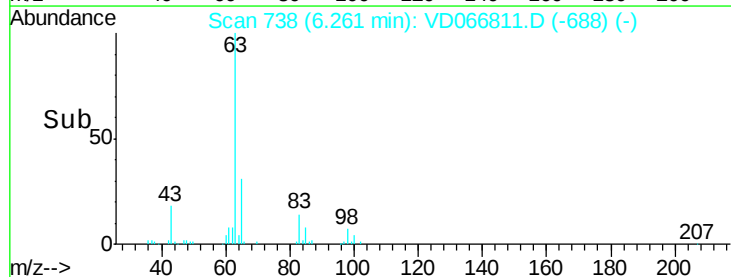
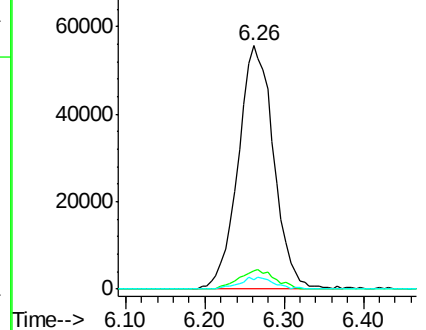
100 3.8 1.8 5.5

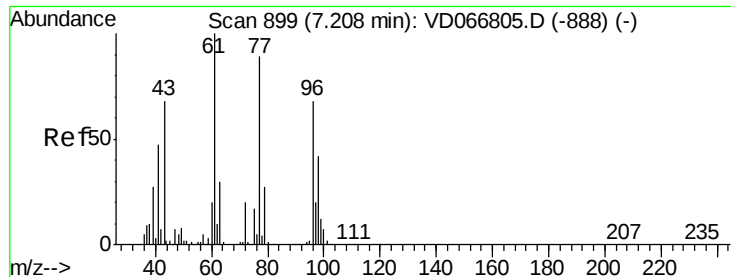


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





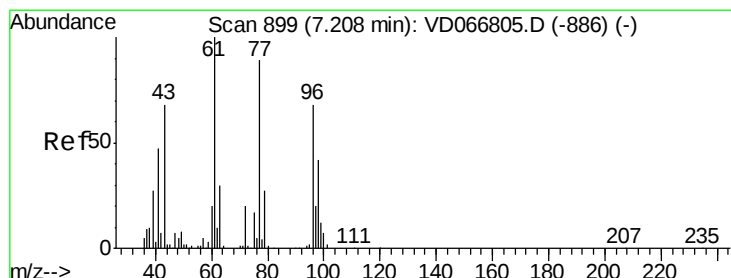
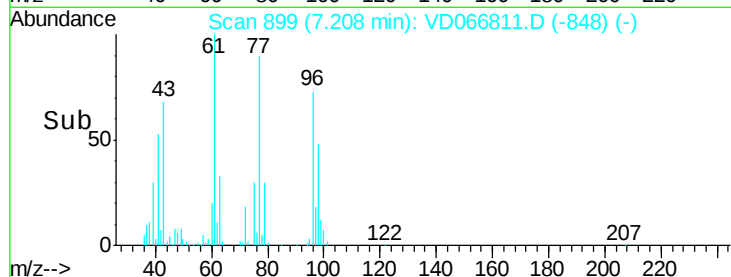
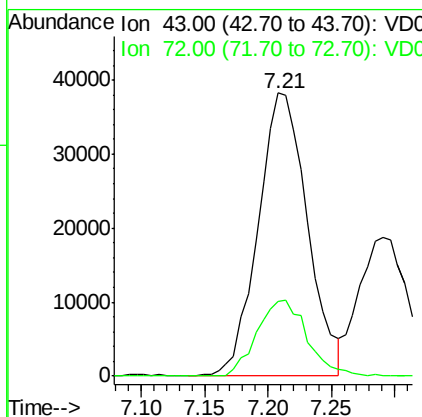
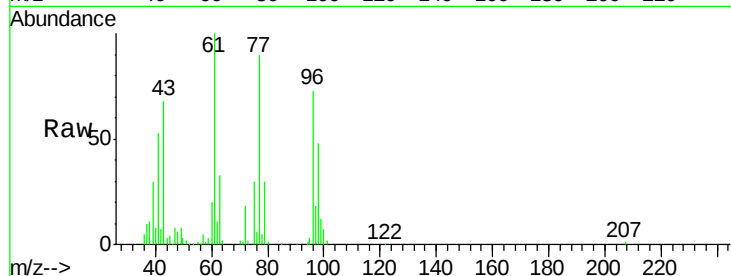
#25
2-Butanone
Concen: 98.250 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

Instrument :
MSVOA_D
ClientSampleId :
VD0922SBS01

Tot Ion: 43 Resp: 103679
Ion Ratio Lower Upper
43 100
72 26.5 22.9 34.3

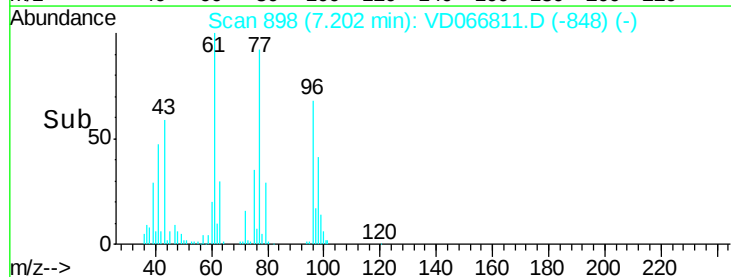
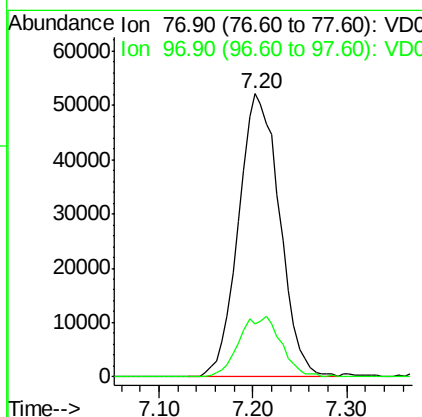
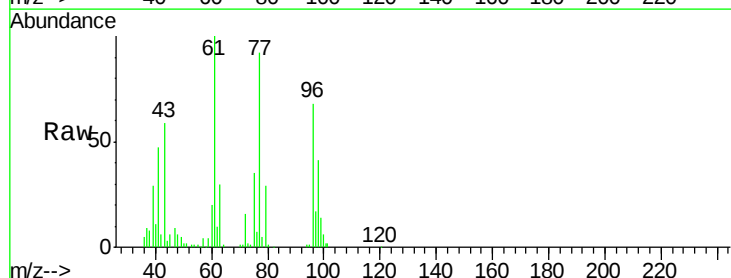
Manual Integrations
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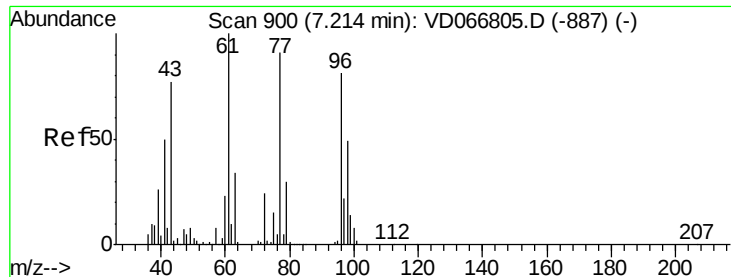
MMDadoda
9/23/2020 1:05:10 PM



#26
2,2-Dichloropropane
Concen: 20.569 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

Tgt Ion: 77 Resp: 157701
Ion Ratio Lower Upper
77 100
97 21.7 11.7 35.1





#27

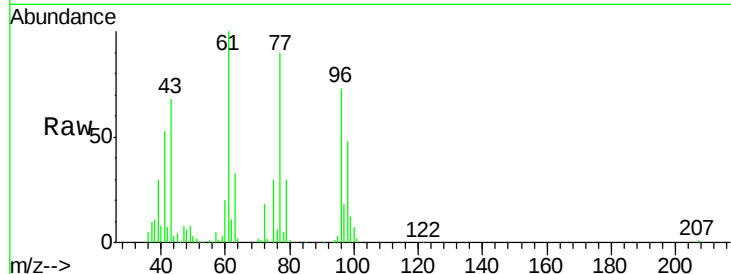
cis-1,2-Dichloroethene
Concen: 20.855 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

Instrument :
MSVOA_D
ClientSampleId :
VD0922SBSD01

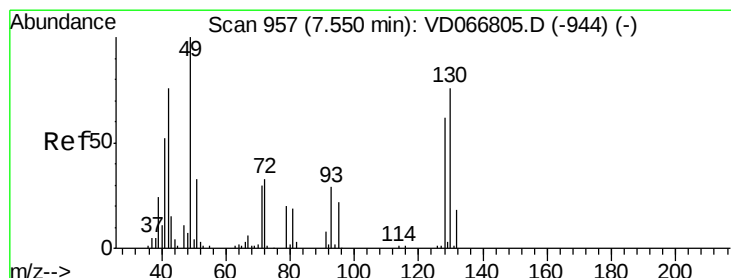
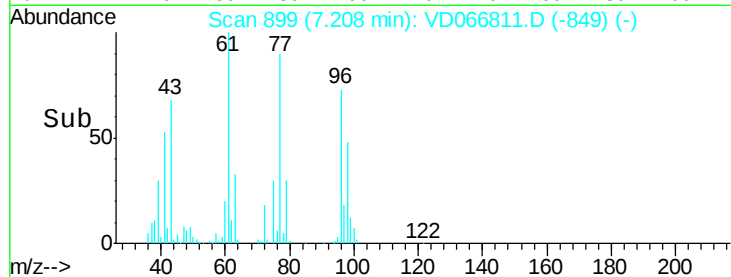
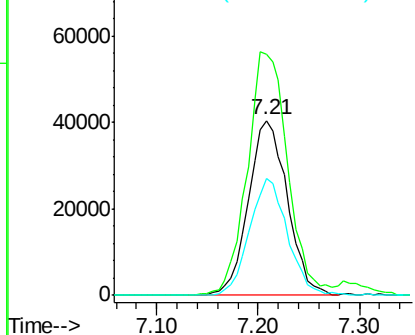
Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	144.5	0.0	283.8	
98	65.2	0.0	128.4	

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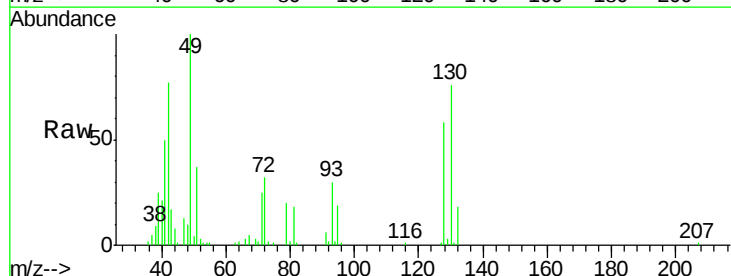
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



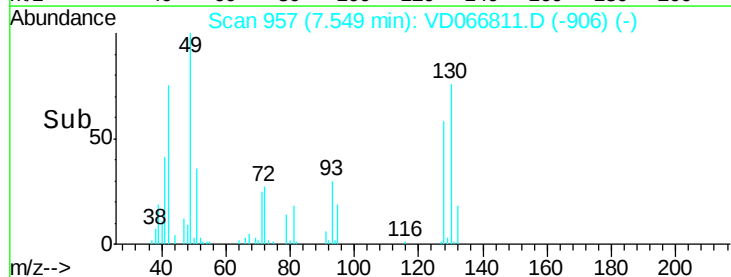
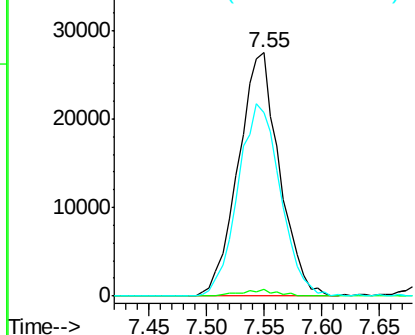
#28

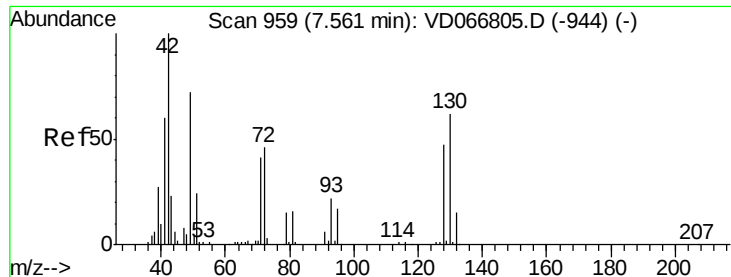
Bromochloromethane
Concen: 19.672 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.4	0.0	2.0#	
130	81.5	65.9	98.9	



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





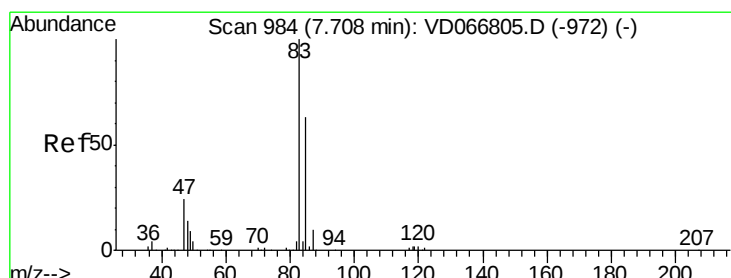
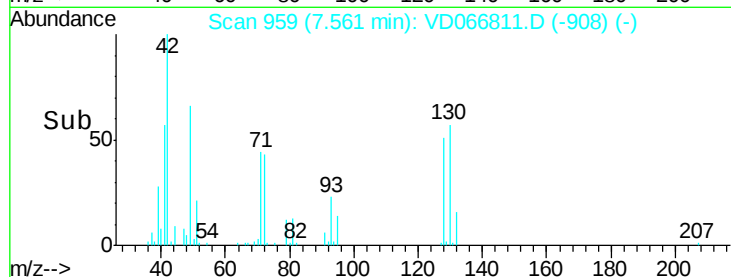
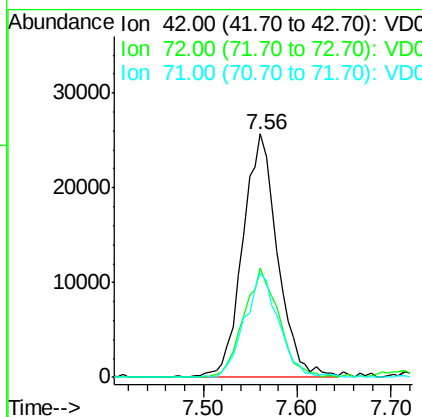
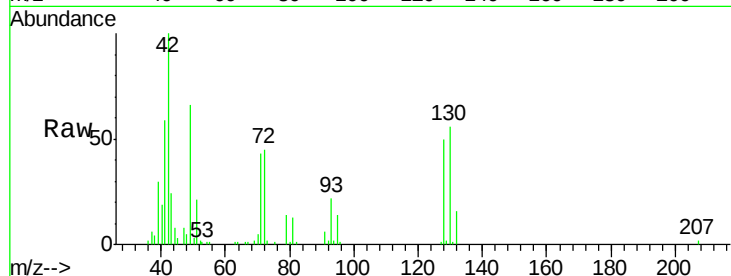
#29
Tetrahydrofuran
Concen: 97.699 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.00 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

Instrument :
MSVOA_D
ClientSampleId :
VD0922SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	36.2	54.4
71	41.6	32.4	48.6

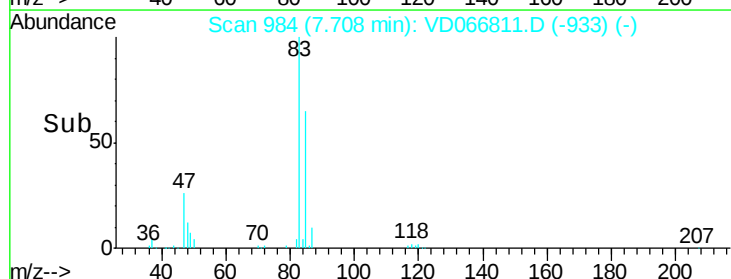
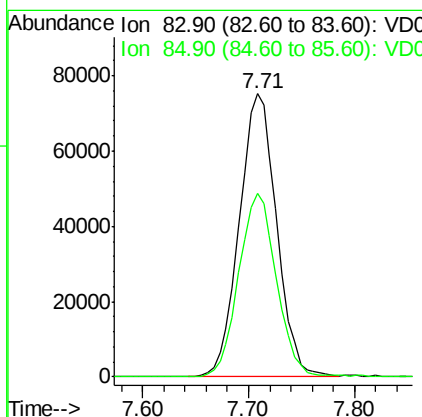
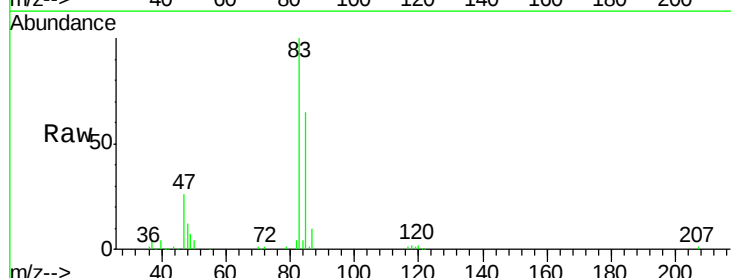
Manual Integrations
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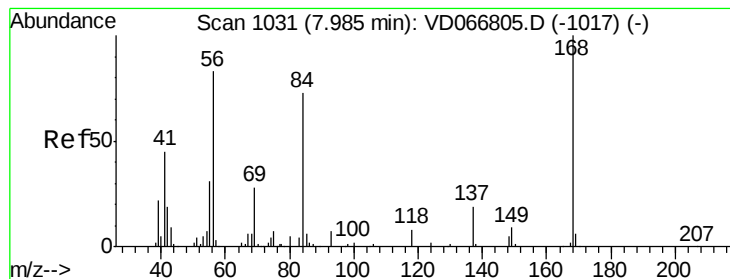
MMDadoda
9/23/2020 1:05:10 PM



#30
Chloroform
Concen: 20.439 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.00 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.6	75.8





#31

Cyclohexane

Concen: 21.070 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

VD0922SBS01

Tot Ion: 56 Resp: 158583

Ion Ratio Lower Upper

56 100

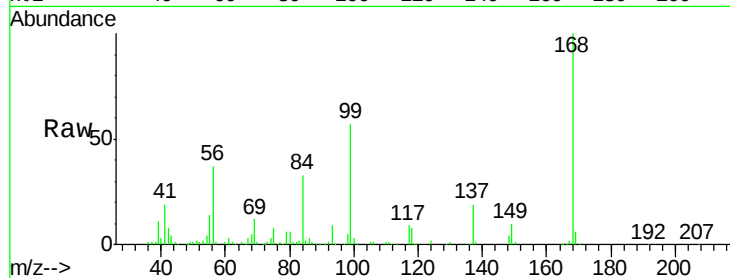
69 33.6 27.0 40.4

84 86.0 70.2 105.4

Manual Integrations
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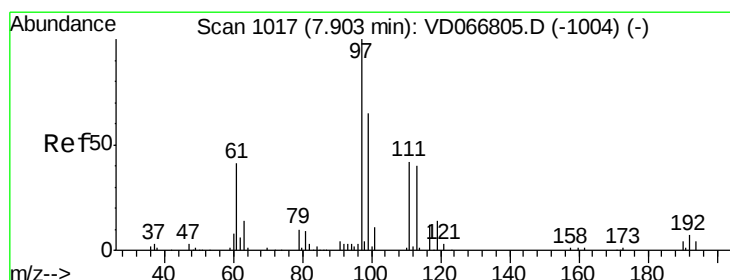
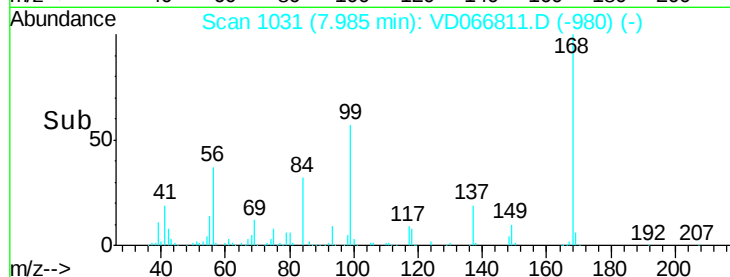
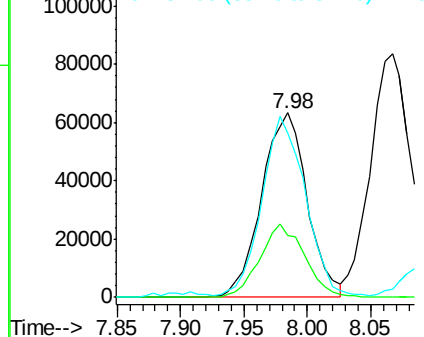
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 20.891 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

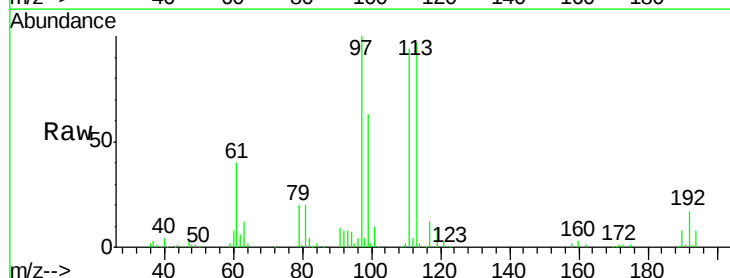
Tgt Ion: 97 Resp: 170399

Ion Ratio Lower Upper

97 100

99 63.9 51.5 77.3

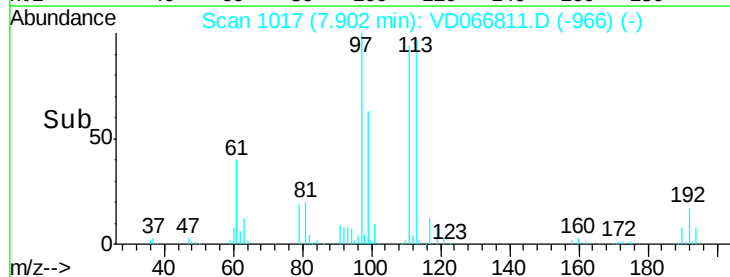
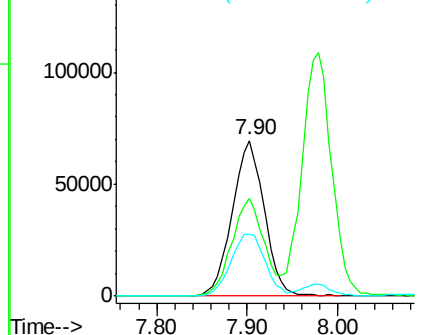
61 42.9 34.2 51.4

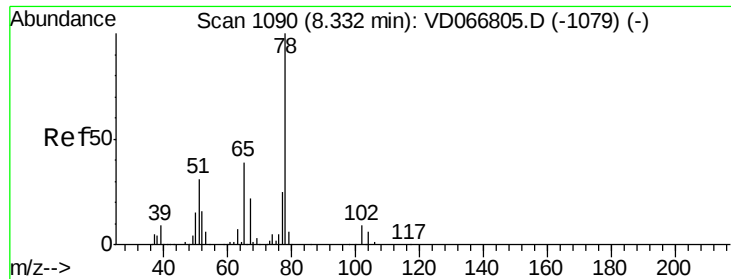


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

Ion 60.90 (60.60 to 61.60): VDC





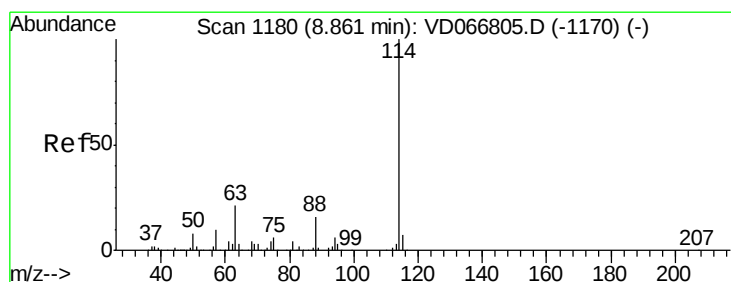
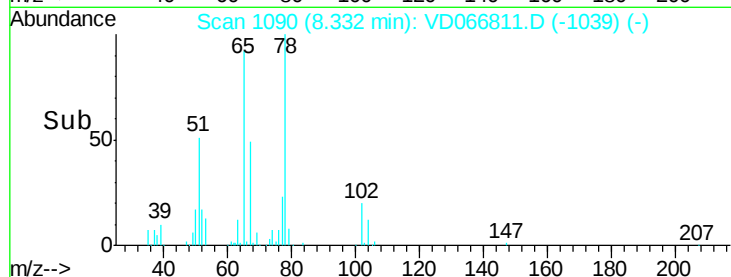
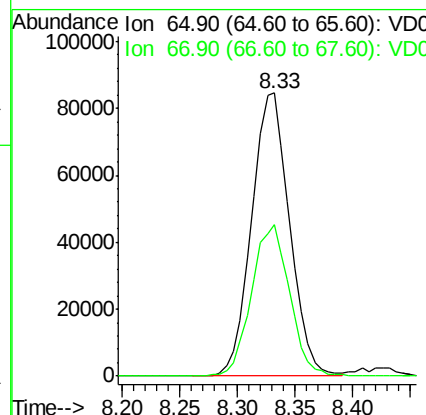
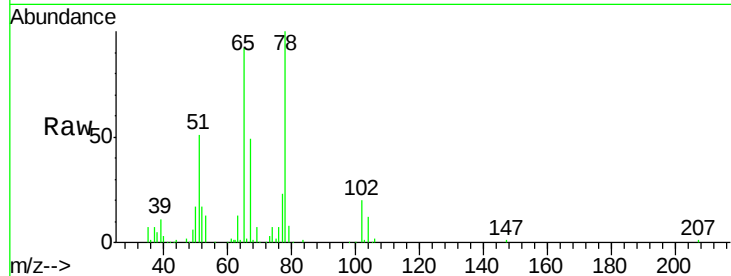
#33
 1,2-Dichloroethane-d4
 Concen: 46.845 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD066811.D
 Acq: 22 Sep 2020 15:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0922SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	193910		
67	53.6	0.0	107.2	

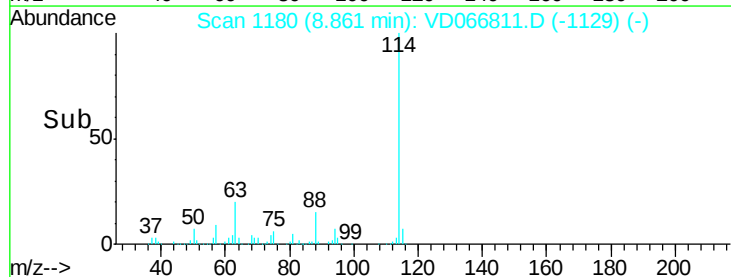
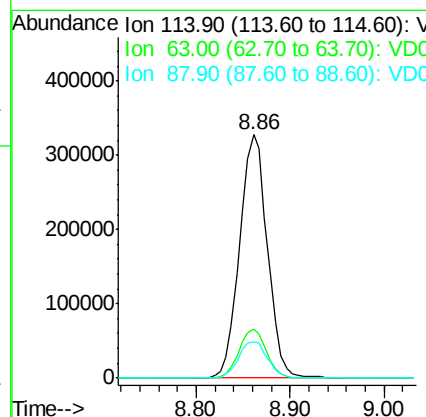
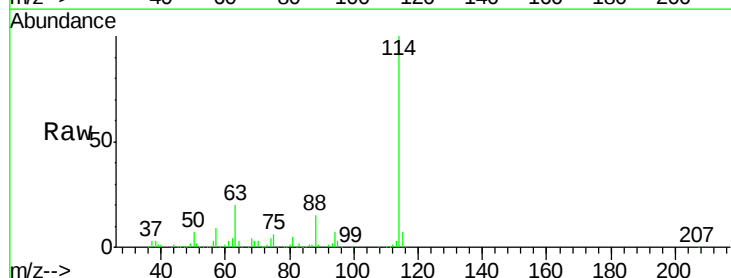
Manual Integrations
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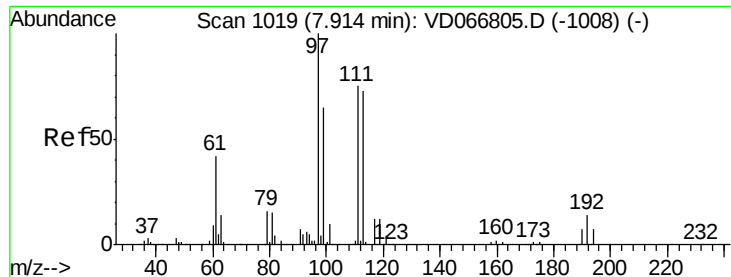
MMDadoda
 9/23/2020 1:05:10 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066811.D
 Acq: 22 Sep 2020 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	670496		
63	20.0	0.0	42.6	
88	15.1	0.0	32.6	





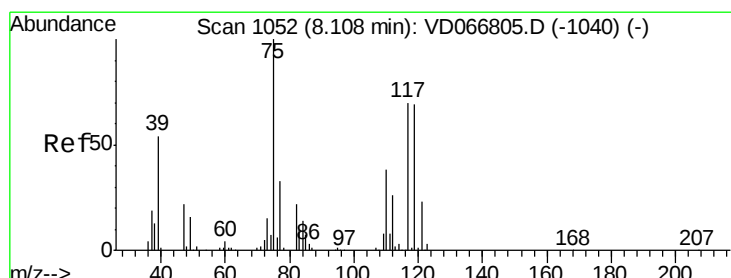
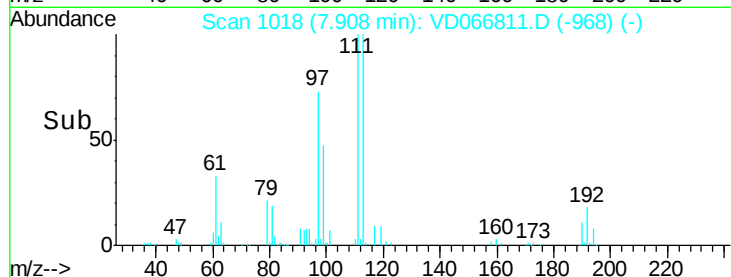
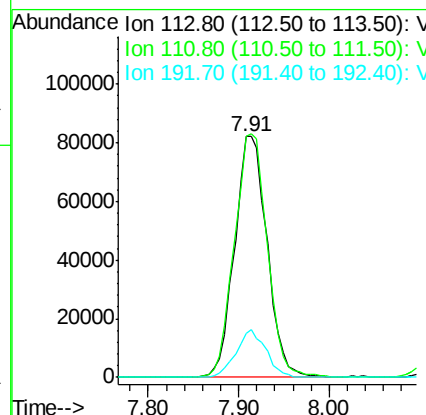
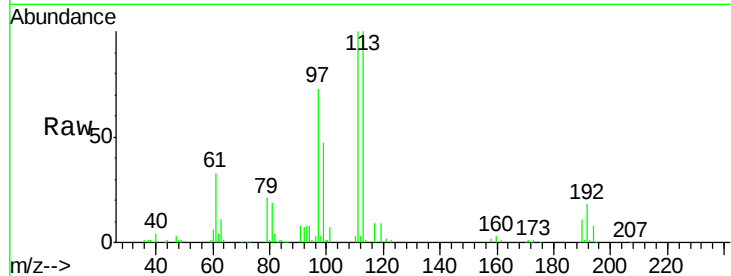
#35
 Dibromofluoromethane
 Concen: 48.096 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VD066811.D
 Acq: 22 Sep 2020 15:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0922SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	205162		
111	102.0	81.8	122.8	
192	18.0	14.4	21.6	

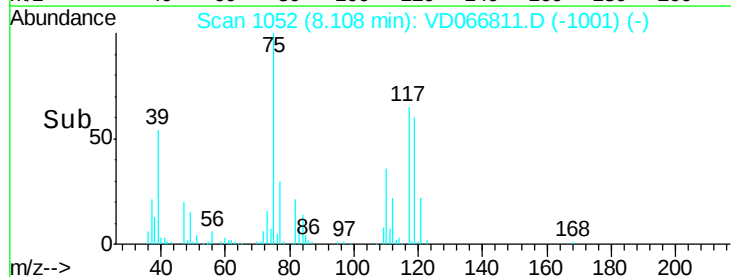
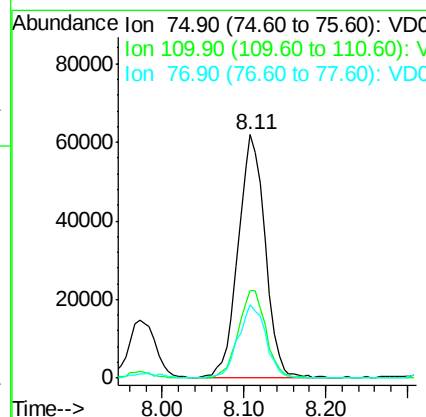
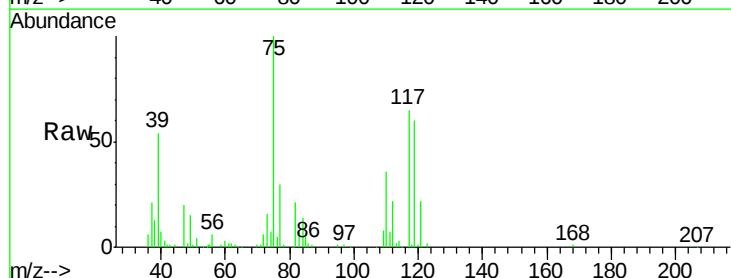
Manual Integrations
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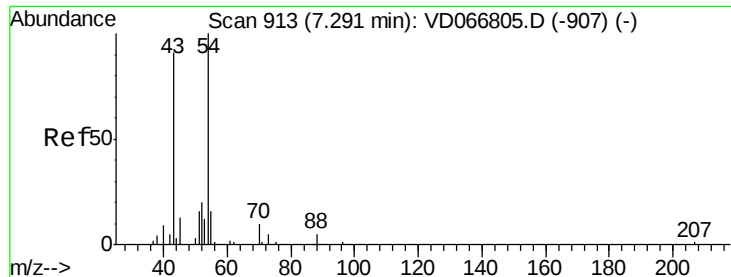
MMDadoda
 9/23/2020 1:05:10 PM



#36
 1,1-Dichloropropene
 Concen: 21.519 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VD066811.D
 Acq: 22 Sep 2020 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	143142		
110	36.4	17.9	53.8	
77	30.7	25.0	37.6	





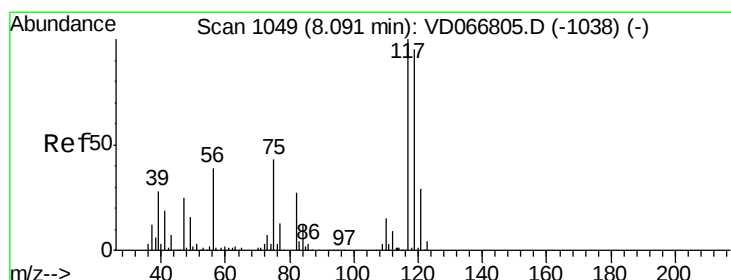
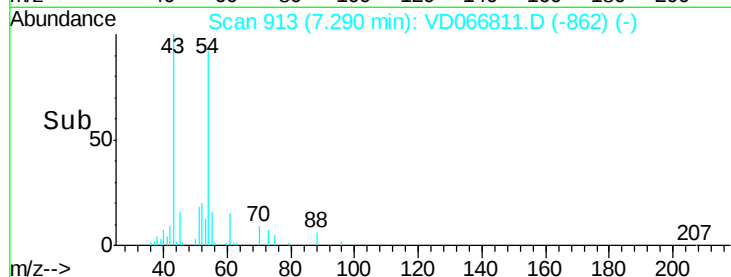
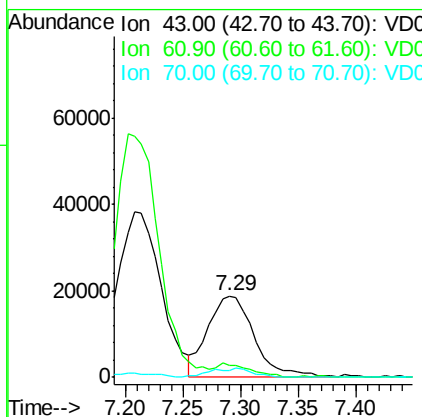
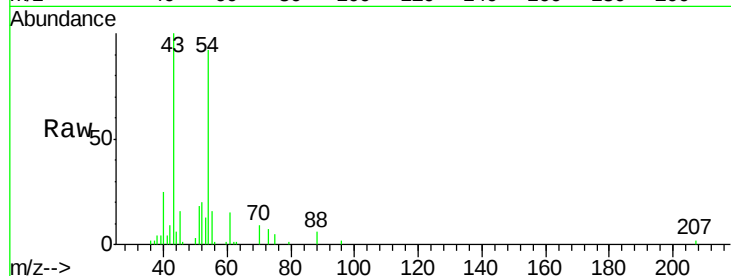
#37
Ethyl Acetate
Concen: 21.380 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

Instrument :
MSVOA_D
ClientSampleId :
VD0922SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.2	9.8	14.8
70	10.6	8.5	12.7

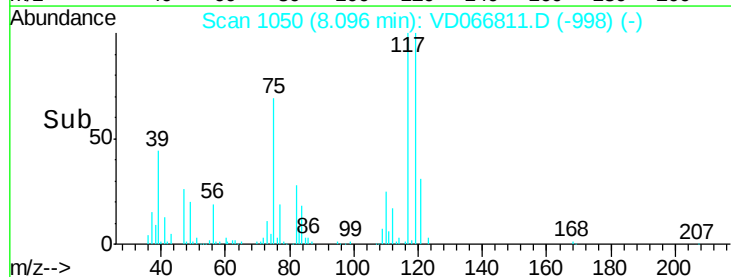
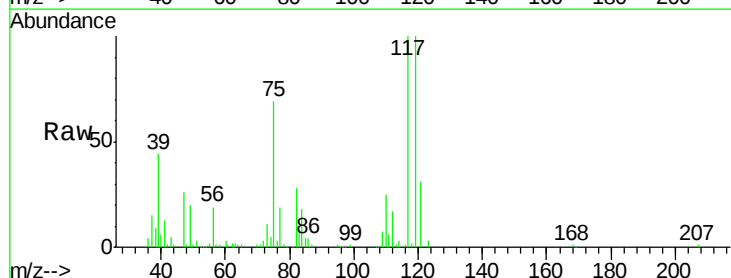
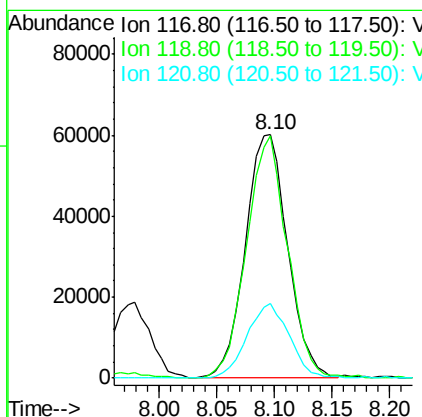
Manual Integrations
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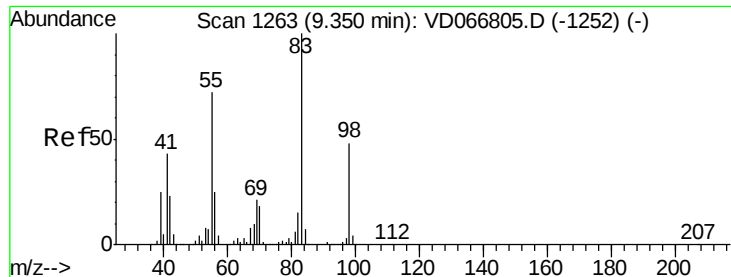
MMDadoda
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#38
Carbon Tetrachloride
Concen: 21.213 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.5	75.8	113.8
121	30.5	23.4	35.0





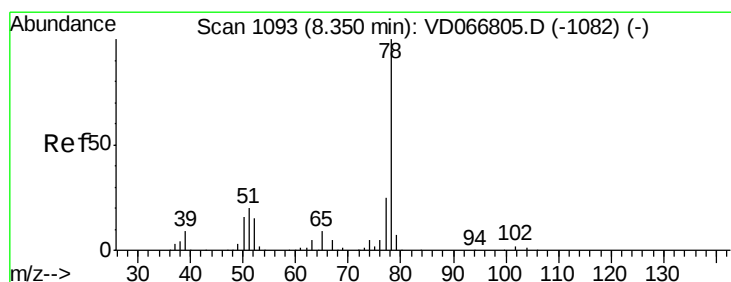
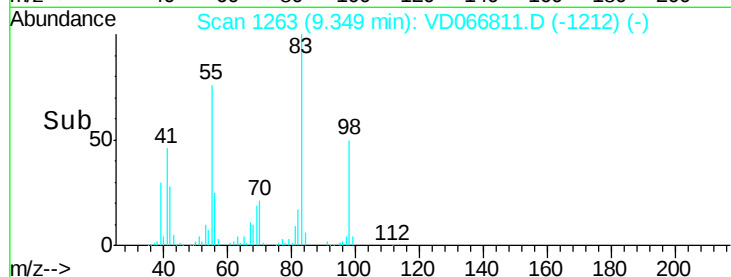
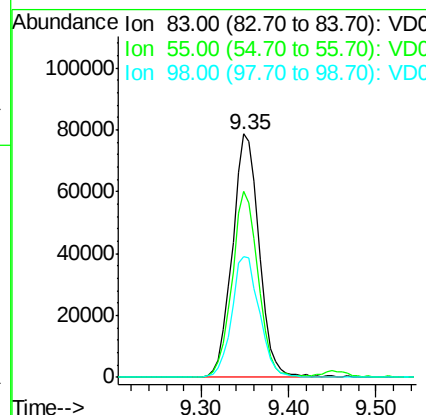
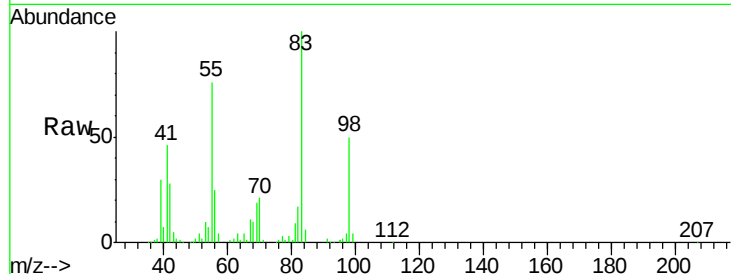
#39
Methvlcvclohexane
Concen: 21.469 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

Instrument :
MSVOA_D
ClientSampleId :
VD0922SBS01

Tot Ion	83	Resp	163968
Ion Ratio	Lower	Upper	
83	100		
55	76.3	57.7	86.5
98	49.6	38.4	57.6

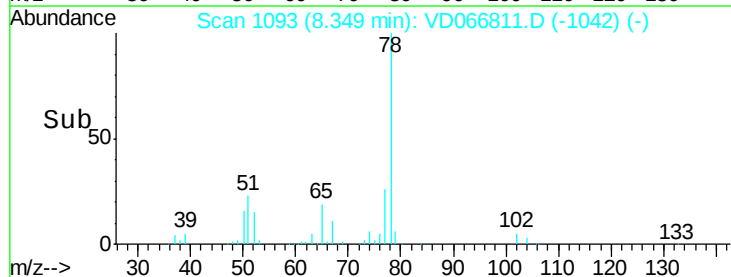
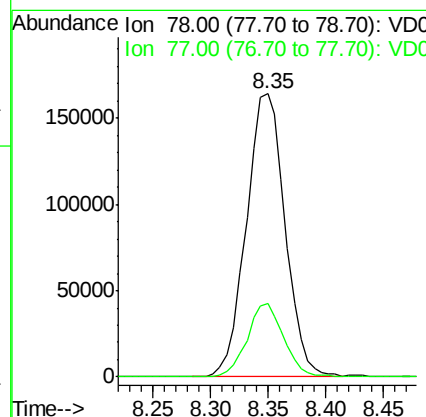
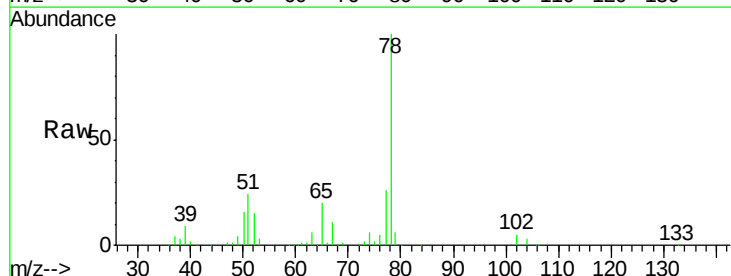
Manual Integrations
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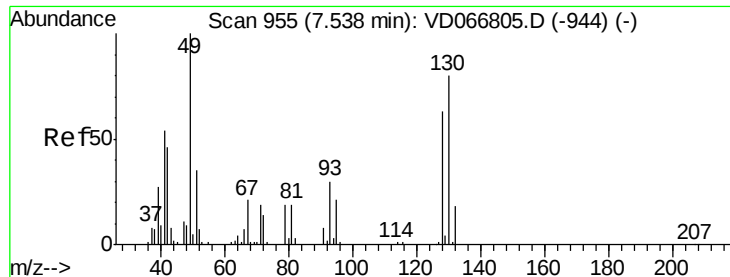
MMDadoda
9/23/2020 1:05:10 PM



#40
Benzene
Concen: 20.704 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

Tgt Ion	78	Resp	383832
Ion Ratio	Lower	Upper	
78	100		
77	26.1	19.9	29.9





#41

Methacrylonitrile

Concen: 17.068 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

VD0922SBS01

Tot Ion: 41 Resp: 25240

Ion Ratio Lower Upper

41 100

39 62.4 0.0 0.0#

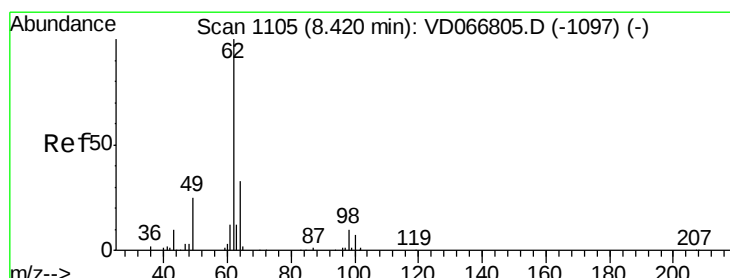
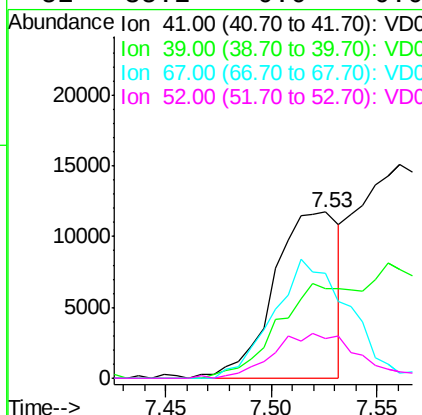
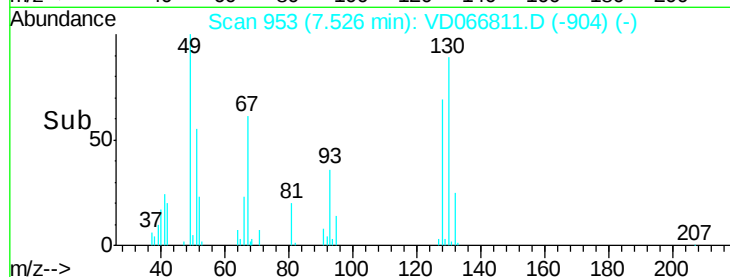
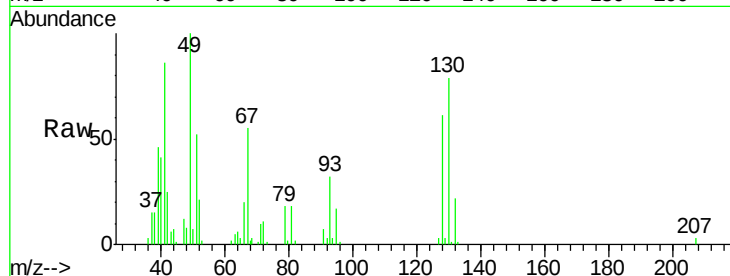
67 82.6 0.0 0.0#

52 35.2 0.0 0.0#

Manual Integrations
APPROVED

MMDadoda

9/23/2020 1:05:10 PM



#42

1,2-Dichloroethane

Concen: 20.480 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.01 min

Lab File: VD066811.D

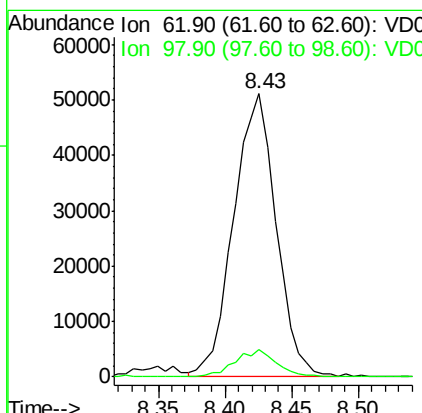
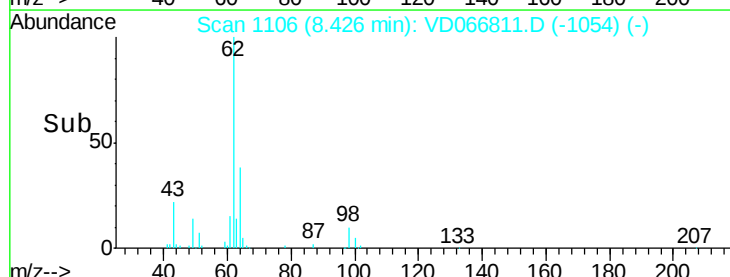
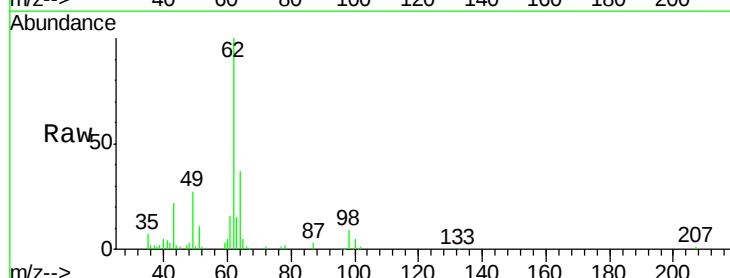
Acq: 22 Sep 2020 15:23

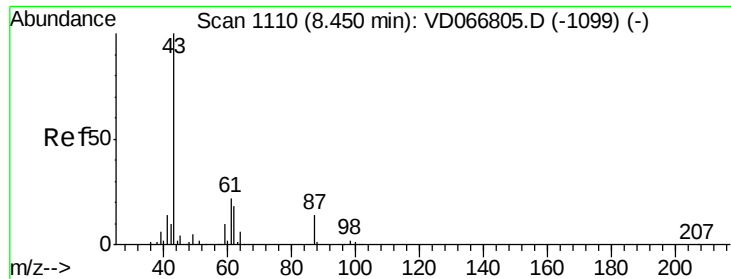
Tgt Ion: 62 Resp: 112241

Ion Ratio Lower Upper

62 100

98 9.4 0.0 19.8





#43

Isopropyl Acetate

Concen: 19.886 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

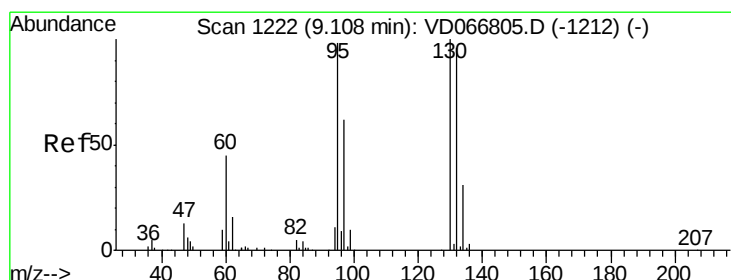
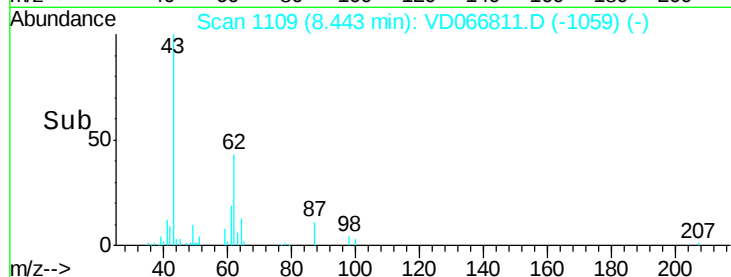
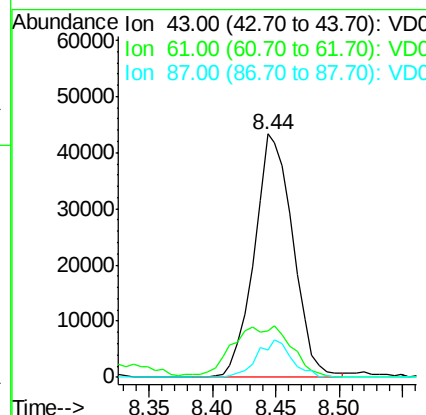
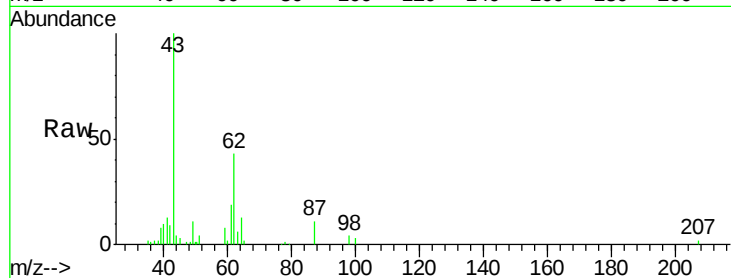
ClientSampleId :

VD0922SBS01

Tot Ion:	43	Resp:	92196
Ion	Ratio	Lower	Upper
43	100		
61	16.3	26.2	39.4#
87	13.8	11.5	17.3

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#44

Trichloroethene

Concen: 20.679 ug/l

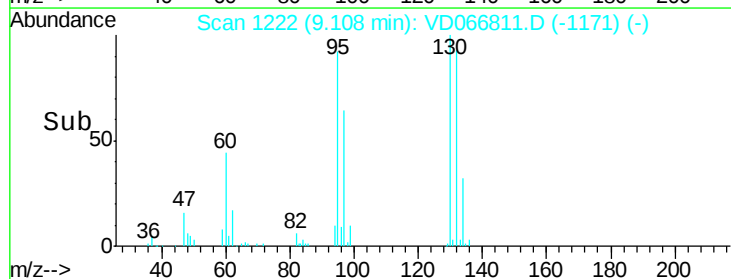
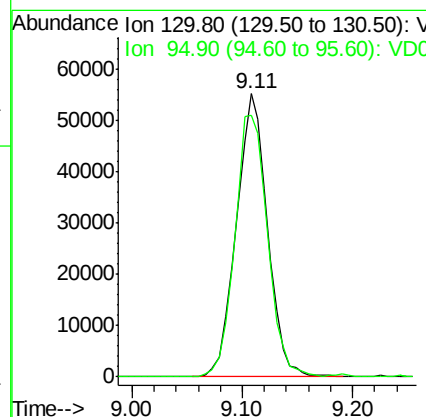
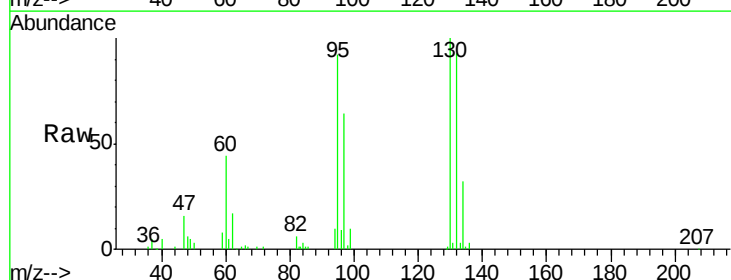
RT: 9.11 min Scan# 1222

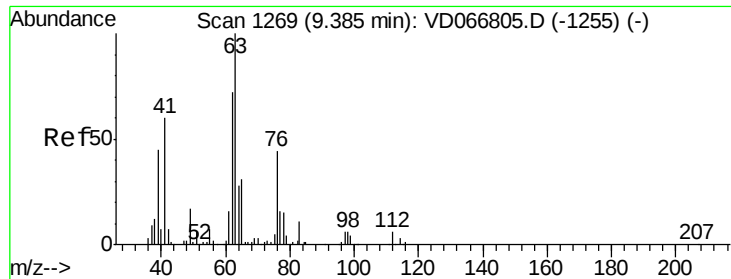
Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Tgt Ion:	130	Resp:	109272
Ion	Ratio	Lower	Upper
130	100		
95	92.3	0.0	197.0





#45

1,2-Dichloropropane

Concen: 20.444 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

VD0922SBSD01

Tot Ion: 63 Resp: 95358

Ion Ratio Lower Upper

63 100

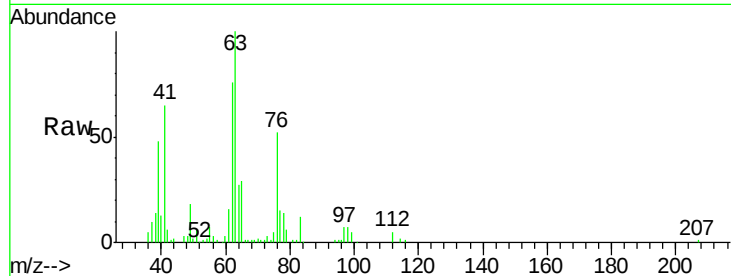
65 29.0 24.7 37.1

Manual Integrations

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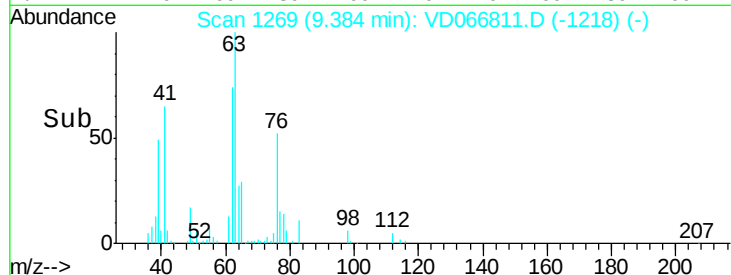


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.38

Time-->



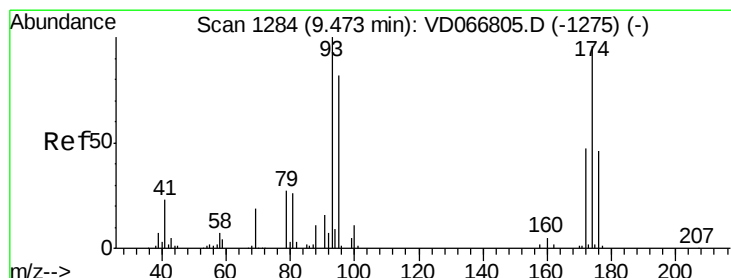
Abundance

Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.38

Time-->



#46

Dibromomethane

Concen: 20.402 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

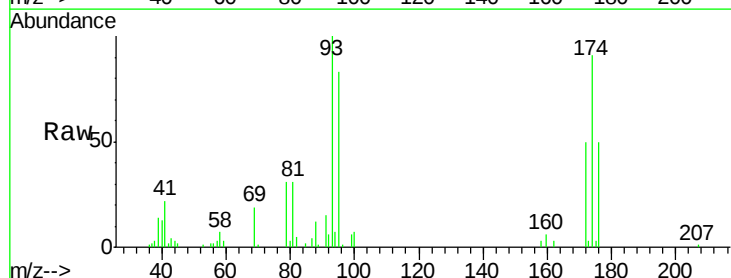
Tgt Ion: 93 Resp: 51704

Ion Ratio Lower Upper

93 100

95 82.3 65.3 97.9

174 98.5 75.4 113.2



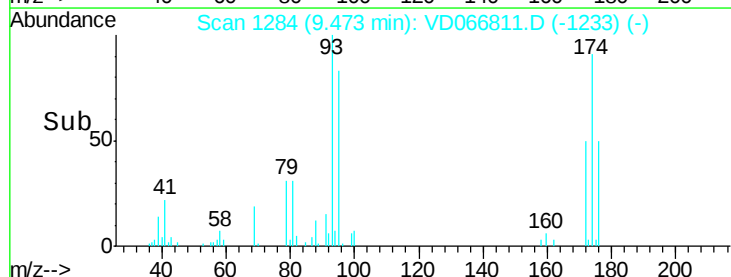
Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC

9.47

Time-->



Abundance

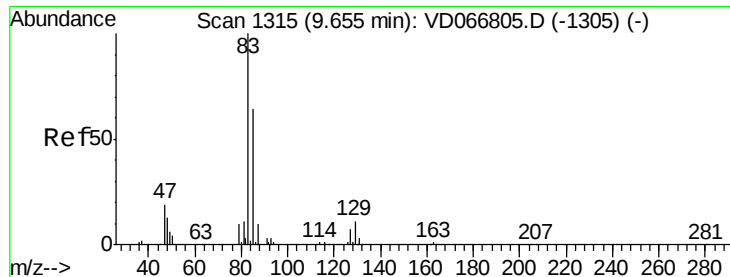
Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC

9.47

Time-->



#47

Bromodichloromethane

Concen: 21.030 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

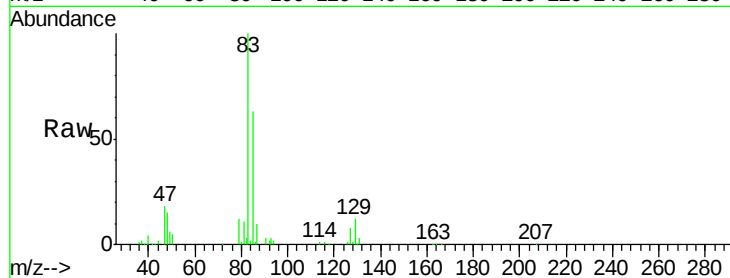
ClientSampleId :

VD0922SBS01

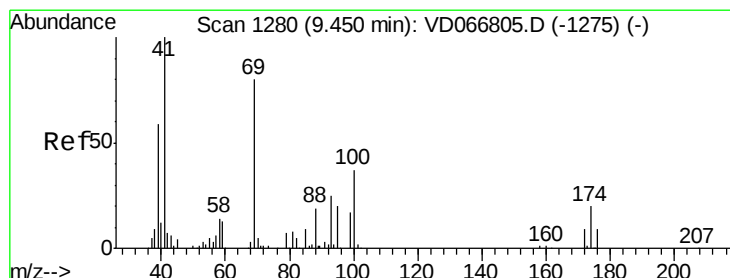
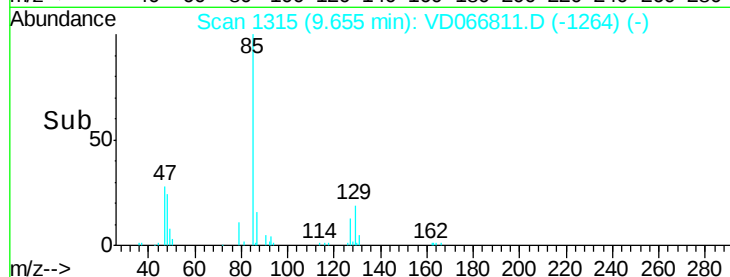
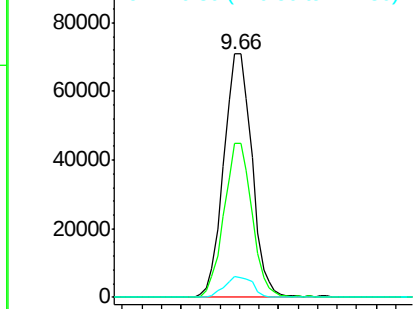
Tot Ion:	83	Resp:	143169
Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.9	76.3
127	8.4	5.9	8.9

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 22.308 ug/l

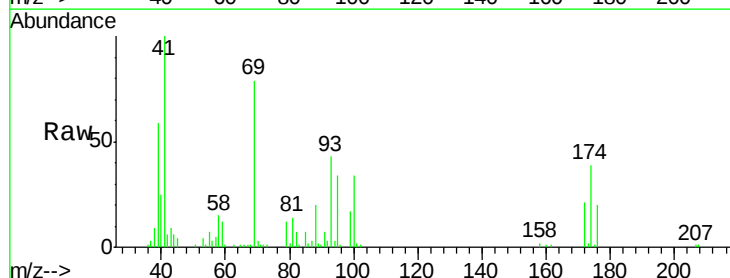
RT: 9.46 min Scan# 1281

Delta R.T. 0.01 min

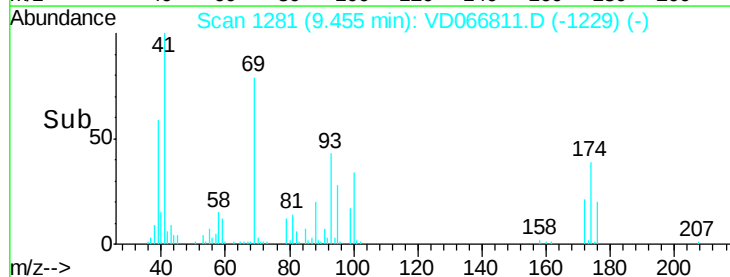
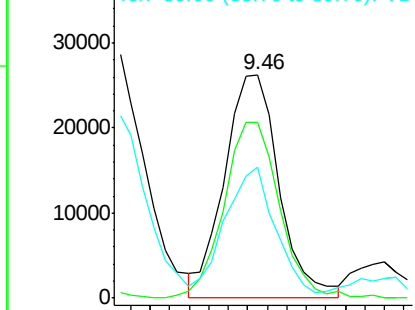
Lab File: VD066811.D

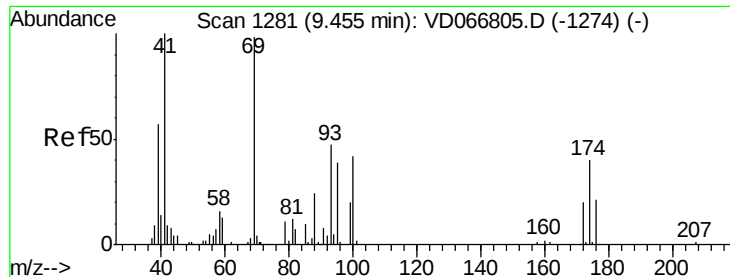
Acq: 22 Sep 2020 15:23

Tgt Ion:	41	Resp:	50993
Ion	Ratio	Lower	Upper
41	100		
69	80.3	74.5	111.7
39	50.8	47.0	70.6



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC





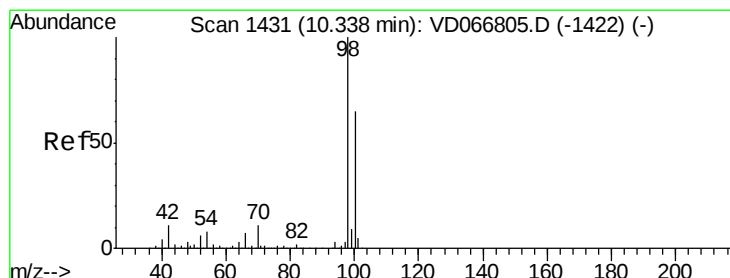
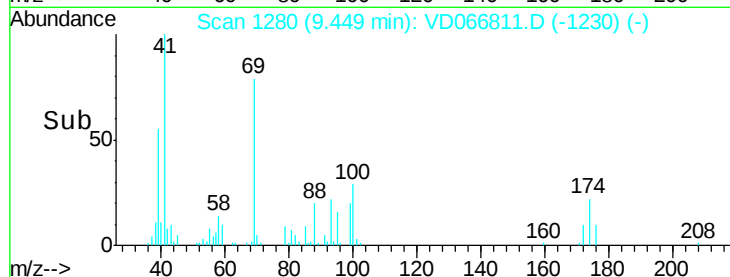
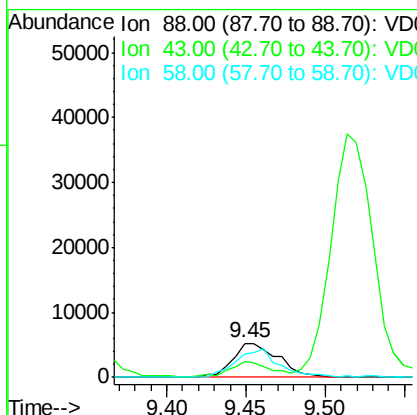
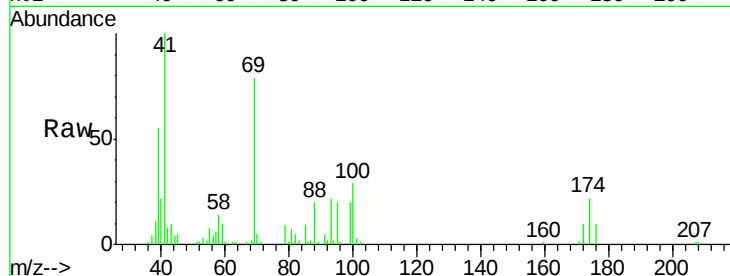
#49
1,4-Dioxane
Concen: 295.712 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

Instrument :
MSVOA_D
ClientSampleId :
VD0922SBS01

Tot Ion	88	Resp	10599
Ion	Ratio	Lower	Upper
88	100		
43	43.2	27.7	41.5#
58	77.5	55.5	83.3

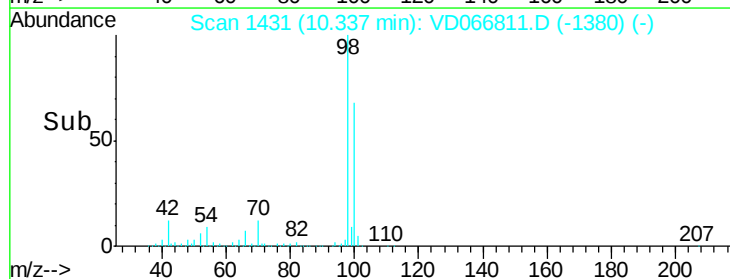
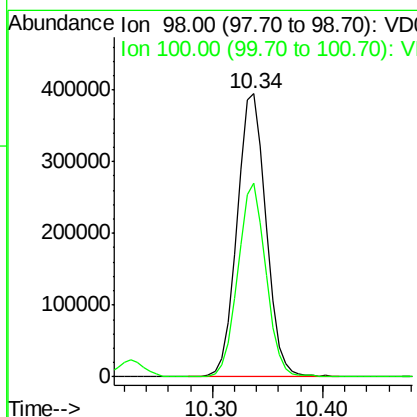
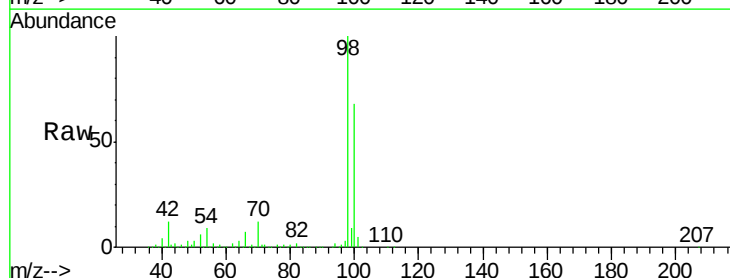
Manual Integrations
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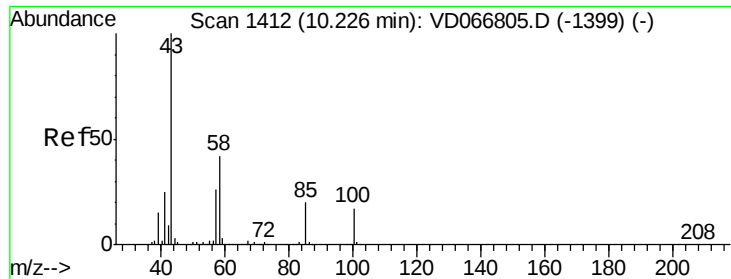
MMDadoda
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#50
Toluene-d8
Concen: 50.290 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

Tgt Ion	98	Resp	730915
Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 101.300 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

VD0922SBS01

Tot Ion: 43 Resp: 237969

Ion Ratio Lower Upper

43 100

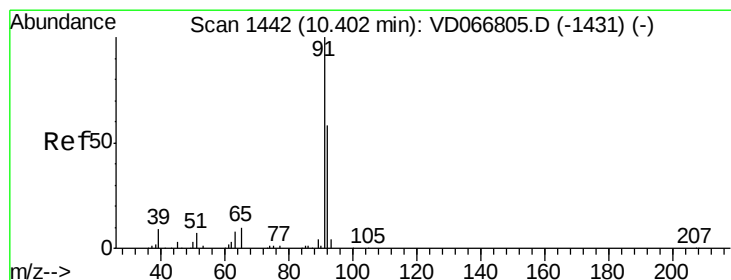
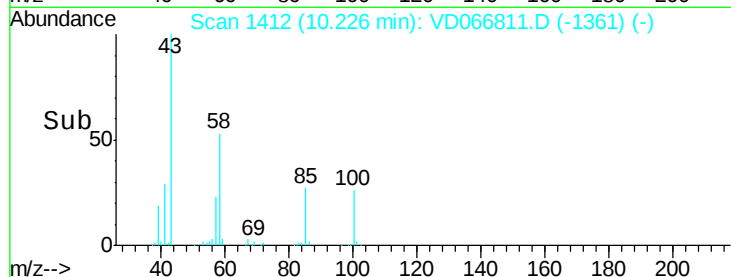
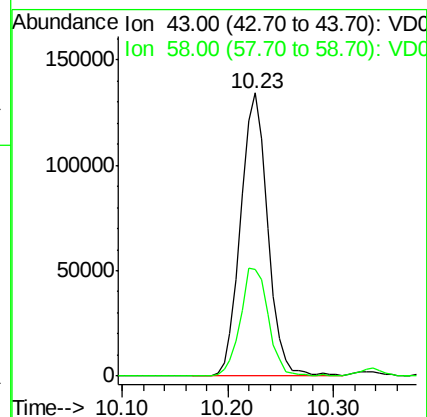
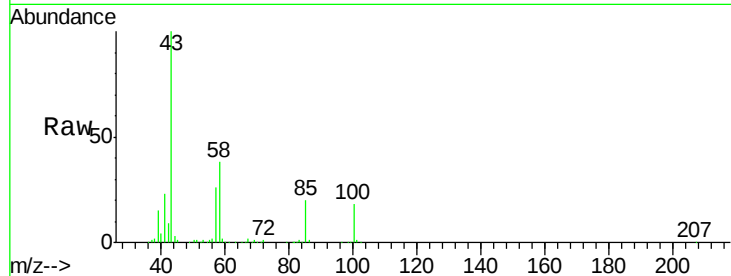
58 39.4 32.2 48.4

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9/23/2020 1:05:10 PM



#52

Toluene

Concen: 21.102 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066811.D

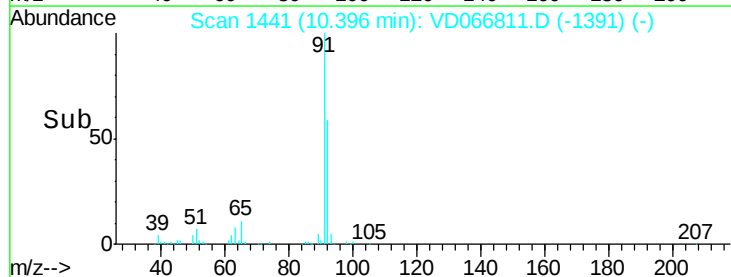
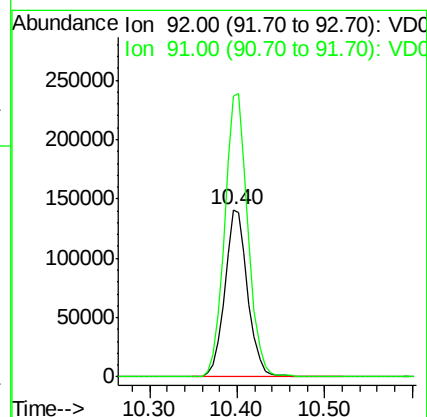
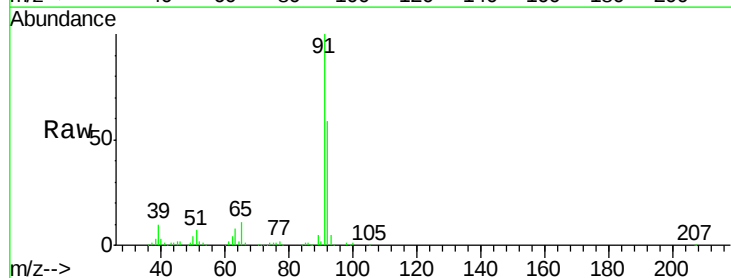
Acq: 22 Sep 2020 15:23

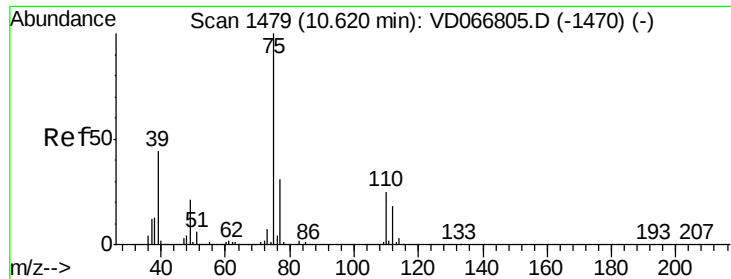
Tgt Ion: 92 Resp: 251983

Ion Ratio Lower Upper

92 100

91 173.2 134.6 202.0





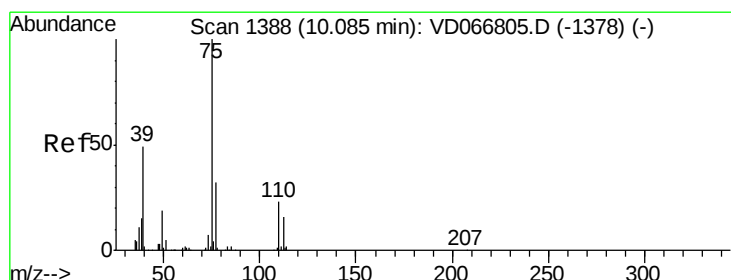
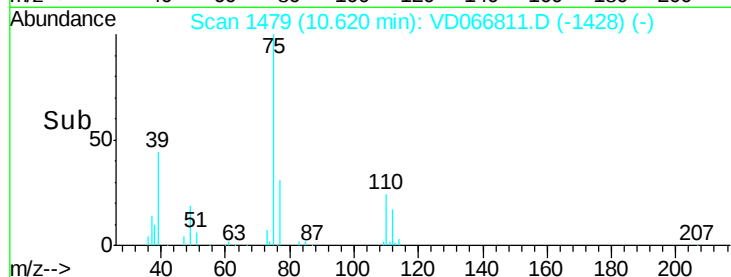
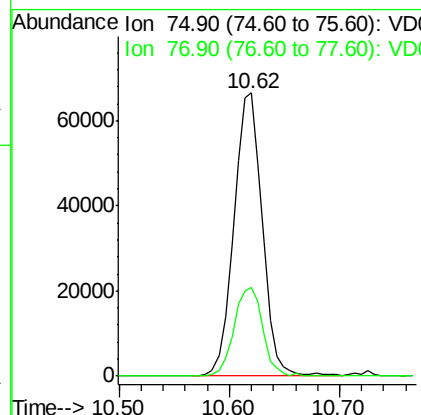
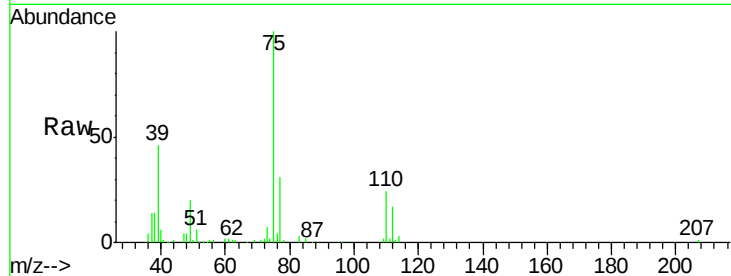
#53
 t-1,3-Dichloropropene
 Concen: 20.724 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD066811.D
 Acq: 22 Sep 2020 15:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0922SBS01

Tot Ion: 75 Resp: 120083
 Ion Ratio Lower Upper
 75 100
 77 31.2 24.5 36.7

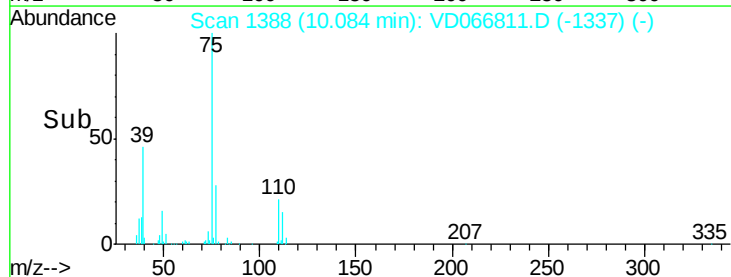
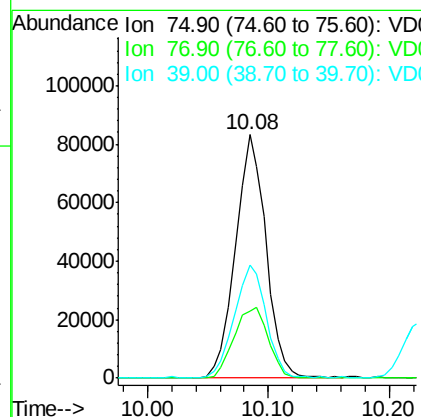
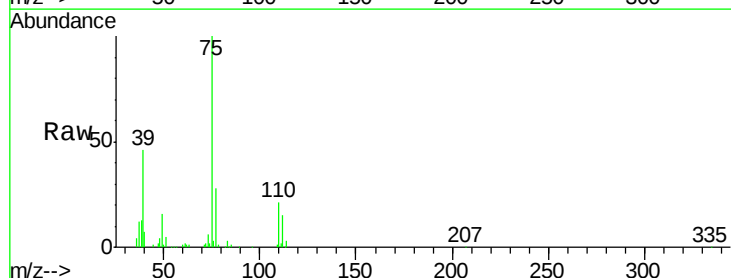
Manual Integrations
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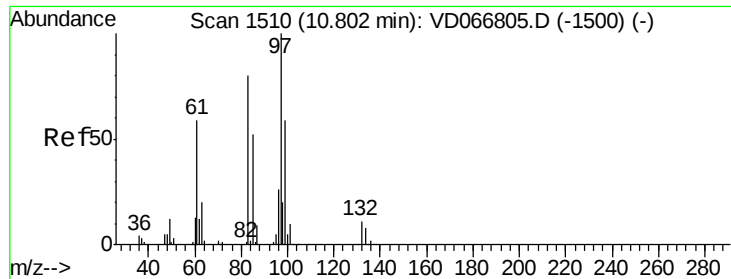
MMDadoda
 9/23/2020 1:05:10 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.789 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VD066811.D
 Acq: 22 Sep 2020 15:23

Tgt Ion: 75 Resp: 146880
 Ion Ratio Lower Upper
 75 100
 77 27.8 25.6 38.4
 39 45.8 39.2 58.8





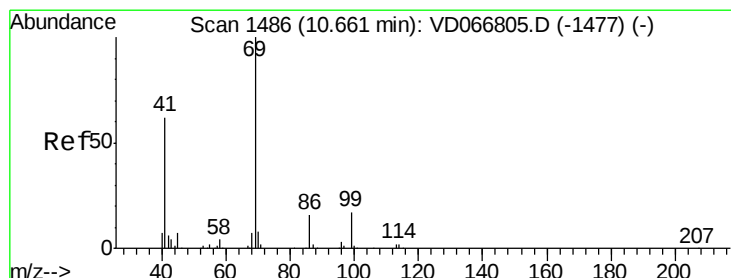
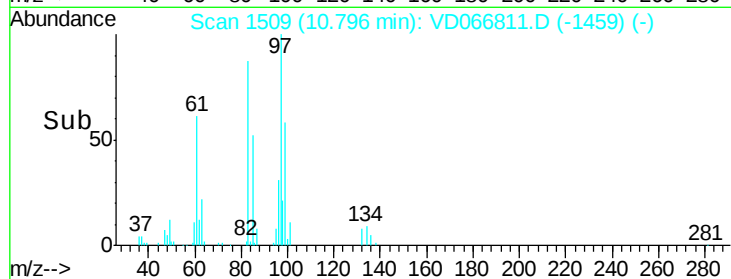
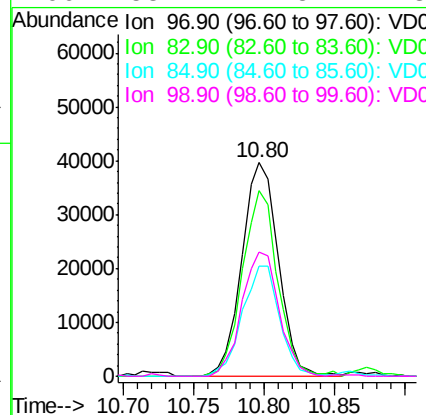
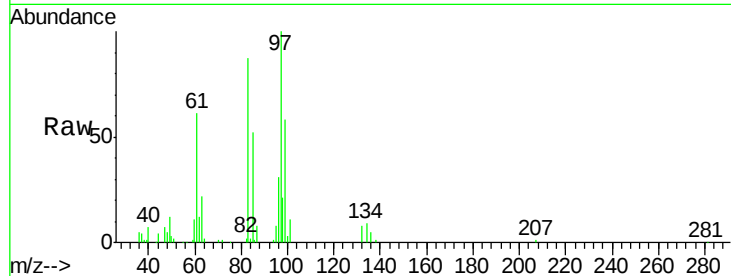
#55
 1,1,2-Trichloroethane
 Concen: 20.687 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066811.D
 Acq: 22 Sep 2020 15:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0922SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		72071		
83	86.8	64.2	96.2		
85	51.6	41.9	62.9		
99	58.2	47.5	71.3		

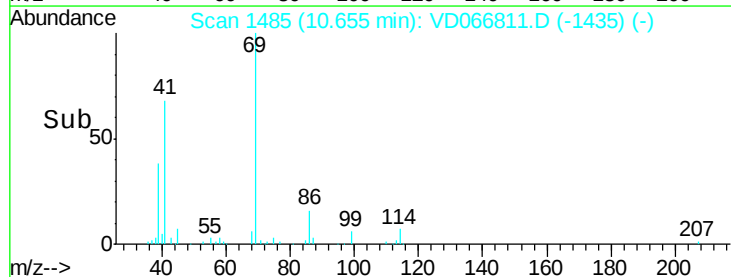
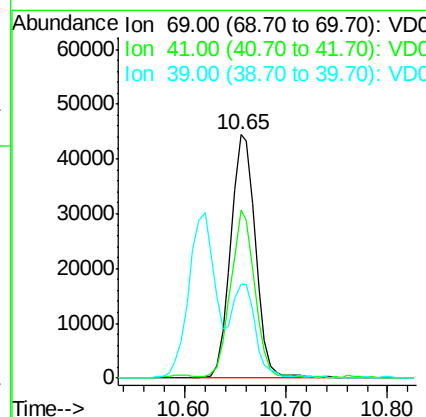
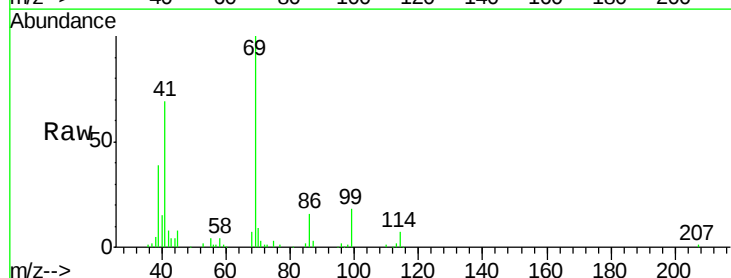
Manual Integrations
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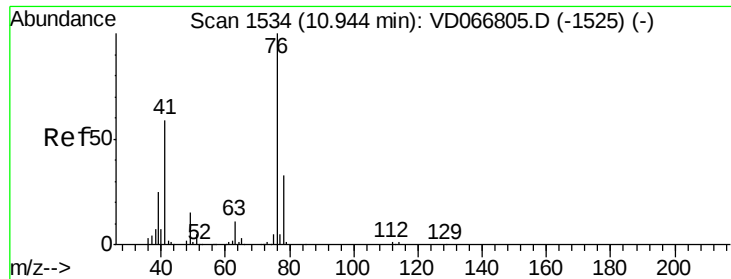
MMDadoda
 9/23/2020 1:05:10 PM



#56
 Ethyl methacrylate
 Concen: 20.360 ug/l
 RT: 10.65 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066811.D
 Acq: 22 Sep 2020 15:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		75988		
41	65.7	52.2	78.2		
39	32.5	26.6	40.0		





#57

1,3-Dichloropropane

Concen: 20.374 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

VD0922SBS01

Tot Ion: 76 Resp: 117208

Ion Ratio Lower Upper

76 100

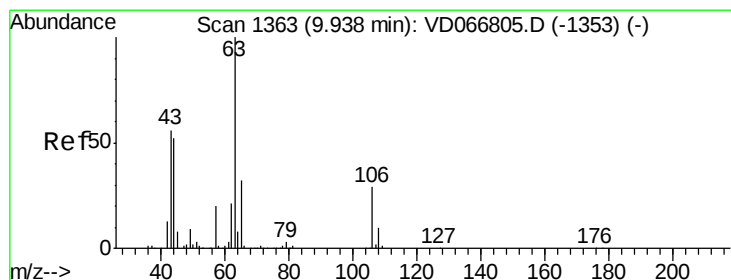
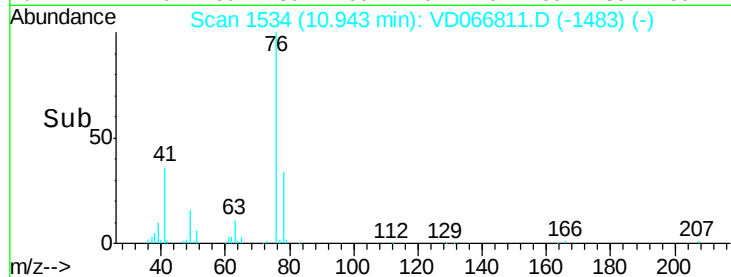
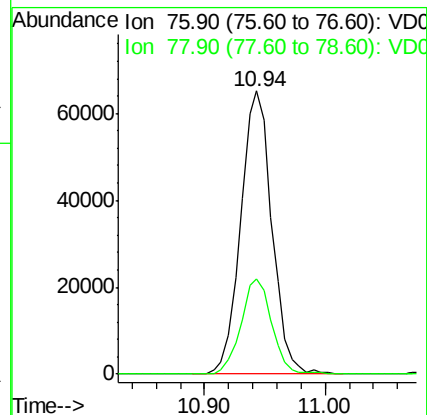
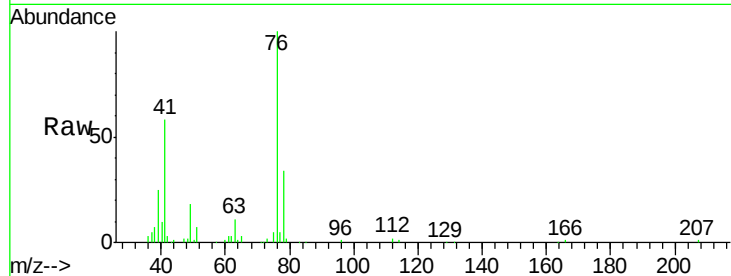
78 33.2 26.3 39.5

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 109.028 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VD066811.D

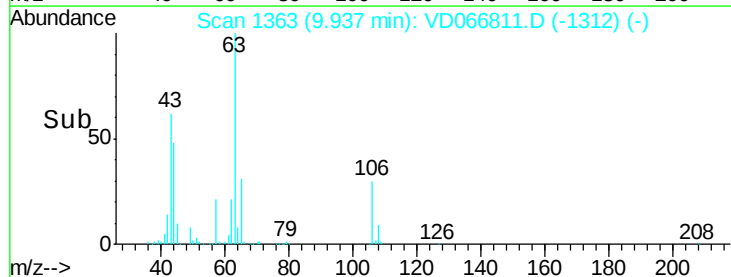
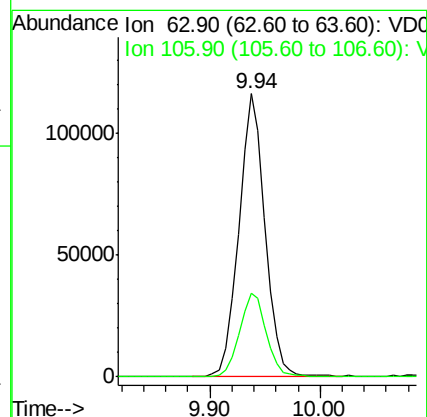
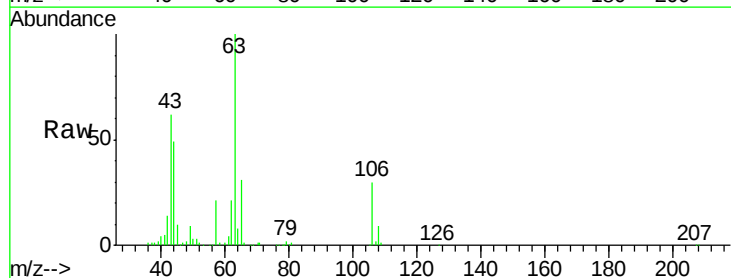
Acq: 22 Sep 2020 15:23

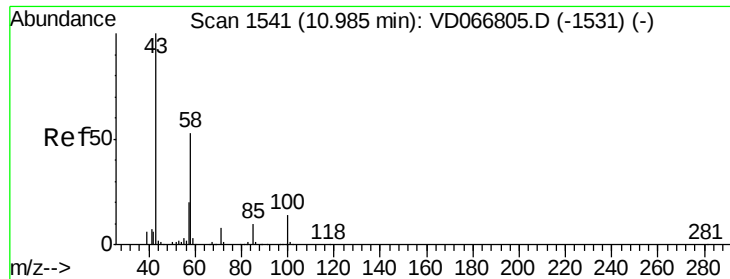
Tgt Ion: 63 Resp: 192672

Ion Ratio Lower Upper

63 100

106 30.3 23.8 35.6





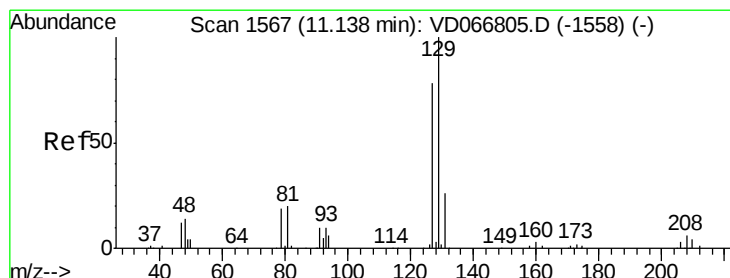
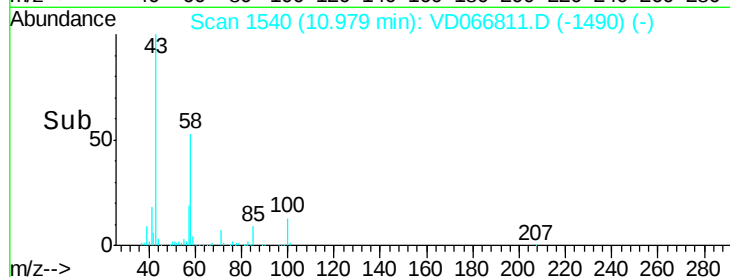
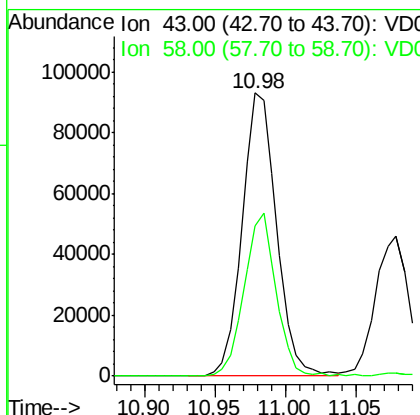
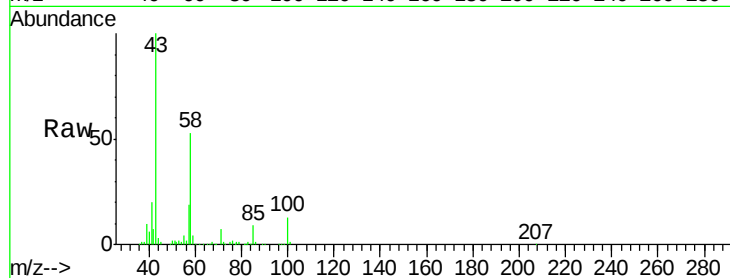
#59
2-Hexanone
Concen: 100.363 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

Instrument :
MSVOA_D
ClientSampleId :
VD0922SBS01

Tot Ion: 43 Resp: 158997
Ion Ratio Lower Upper
43 100
58 53.5 27.0 80.8

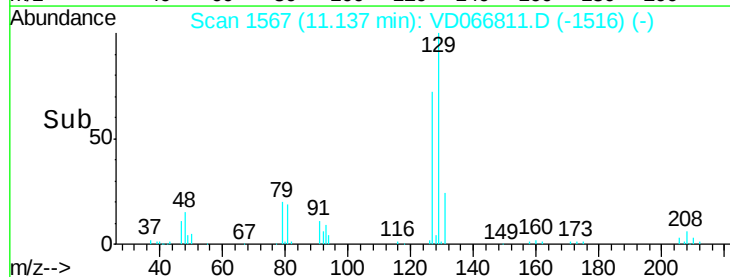
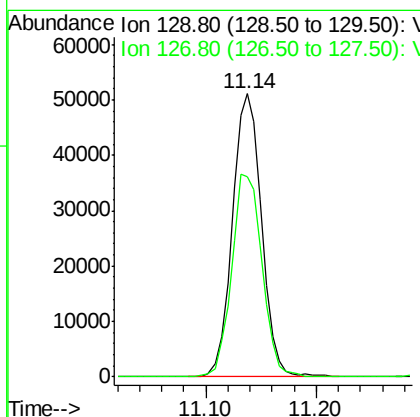
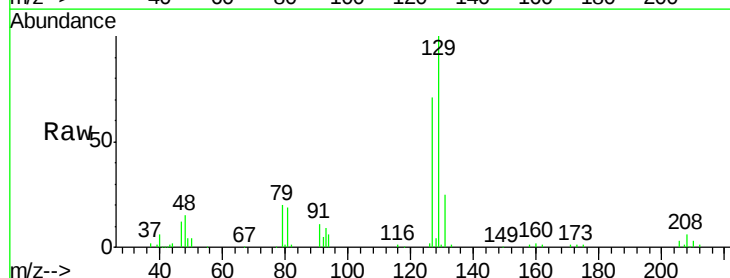
Manual Integrations
APPROVED

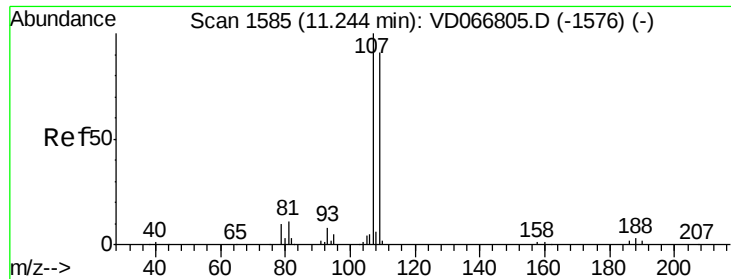
MMDadoda
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#60
Dibromochloromethane
Concen: 20.807 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

Tgt Ion:129 Resp: 94608
Ion Ratio Lower Upper
129 100
127 74.6 38.6 116.0





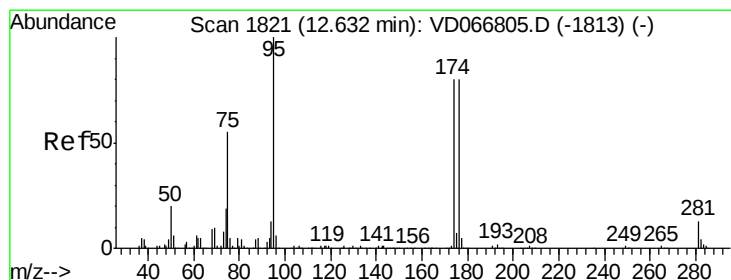
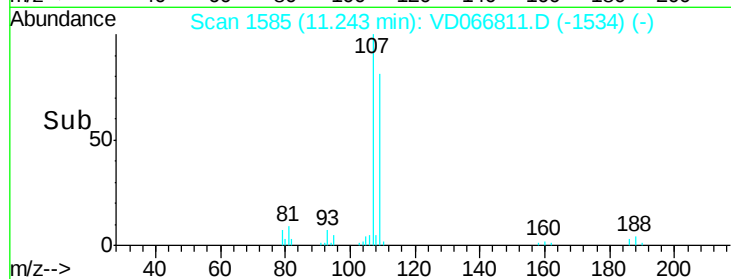
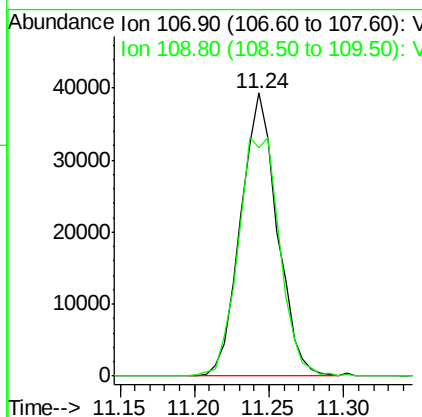
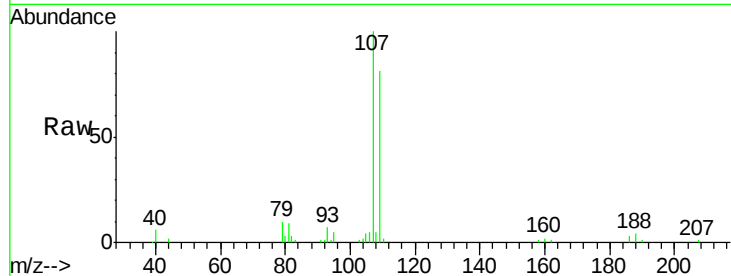
#61
 1,2-Dibromoethane
 Concen: 20.564 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066811.D
 Acq: 22 Sep 2020 15:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0922SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.9	75.0	112.4

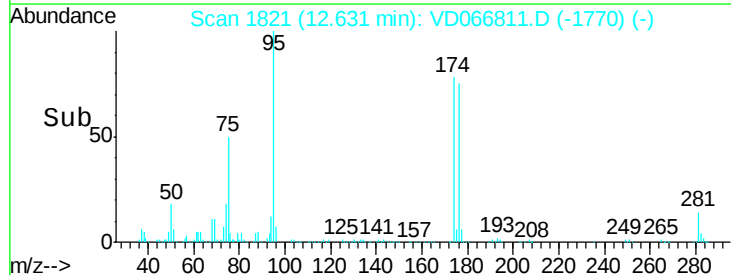
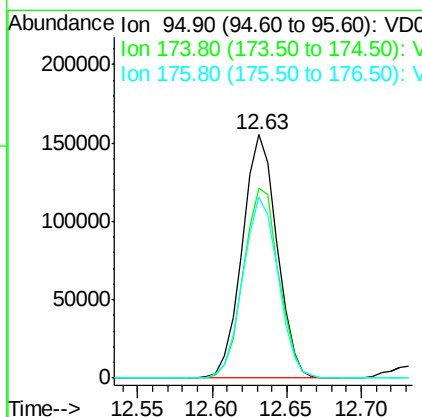
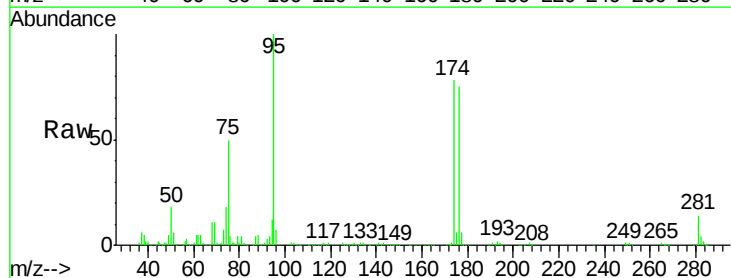
Manual Integrations
 APPROVED

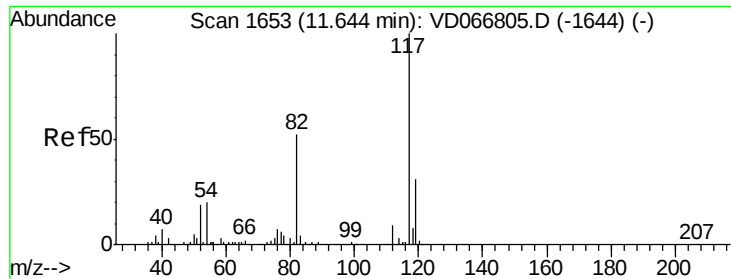
MMDadoda
 9/23/2020 1:05:10 PM



#62
 4-Bromofluorobenzene
 Concen: 50.174 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066811.D
 Acq: 22 Sep 2020 15:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.7	0.0	159.8
176	75.6	0.0	154.4





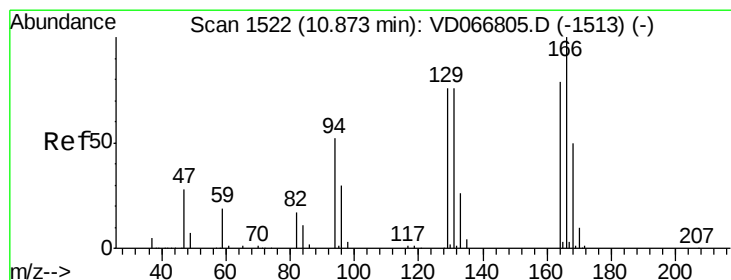
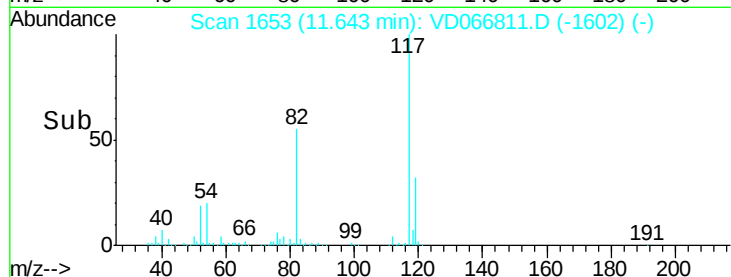
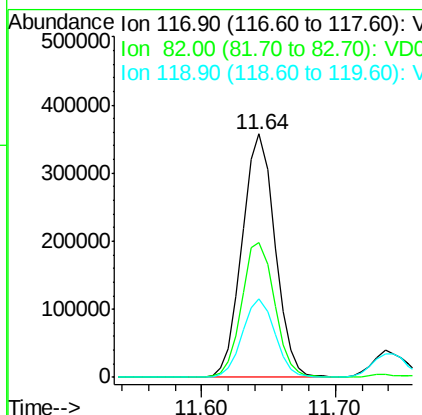
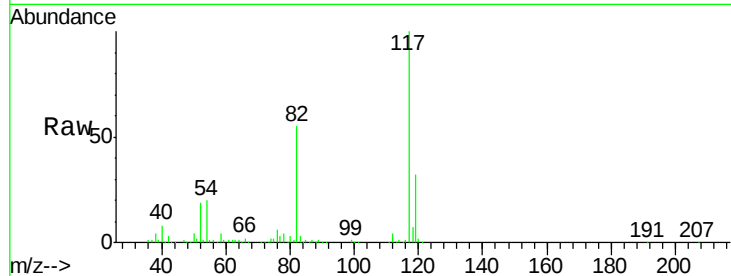
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

Instrument :
MSVOA_D
ClientSampleId :
VD0922SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	608918		
82	55.2	41.8	62.6	
119	32.5	24.6	37.0	

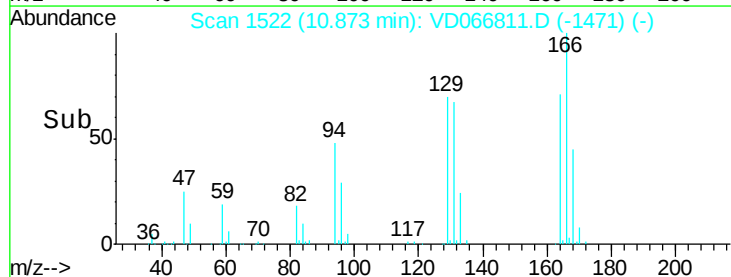
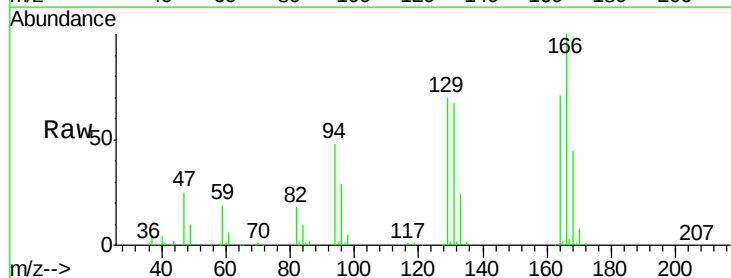
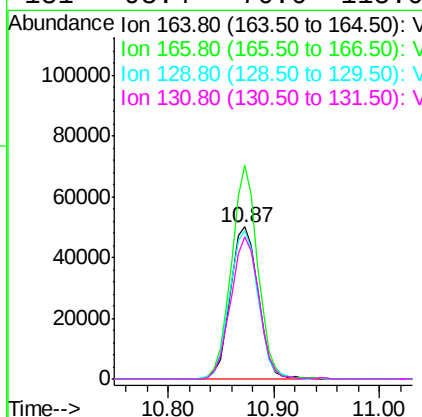
Manual Integrations
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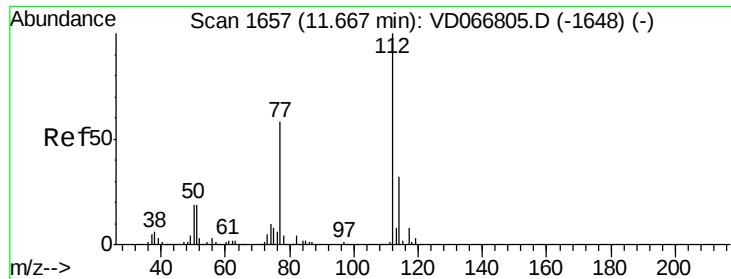
MMDadoda
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#64
Tetrachloroethene
Concen: 20.844 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	91299		
166	140.2	101.1	151.7	
129	97.5	77.0	115.4	
131	93.4	76.6	115.0	





#65

Chlorobenzene

Concen: 21.234 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

VD0922SBS01

Tot Ion:112 Resp: 269138

Ion Ratio Lower Upper

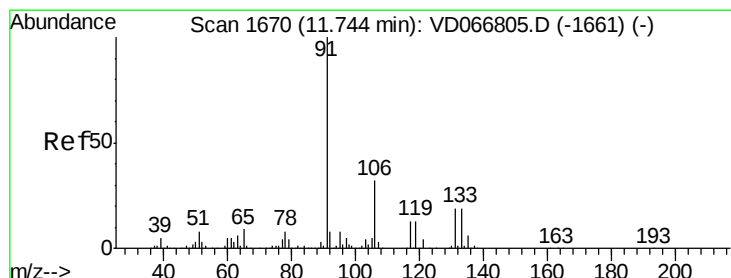
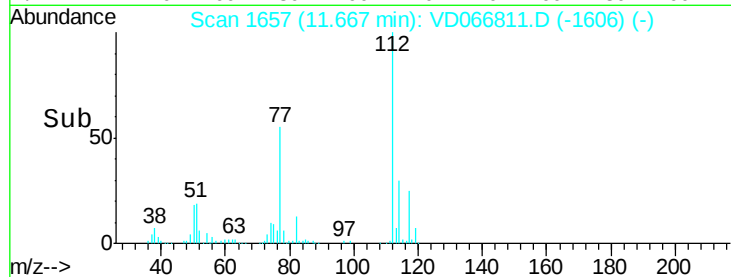
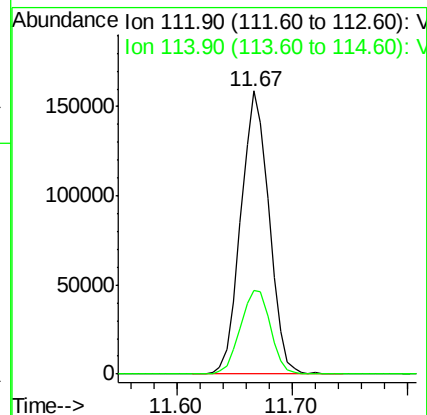
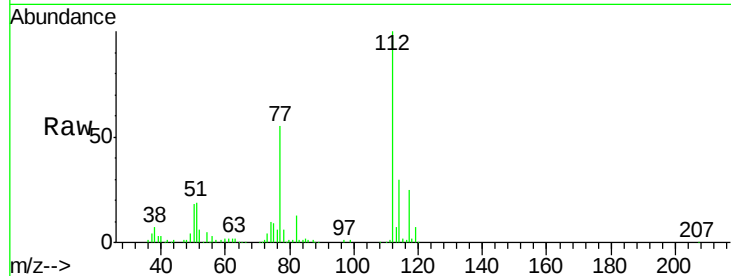
112 100

114 29.7 25.4 38.2

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 19.981 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

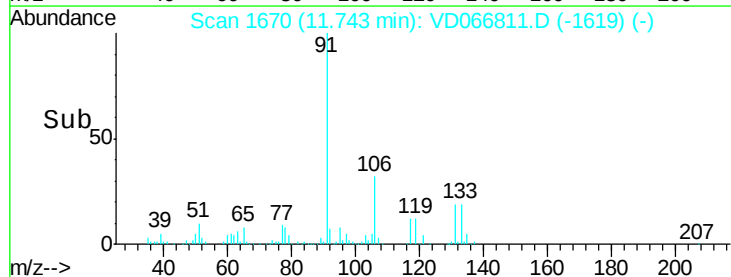
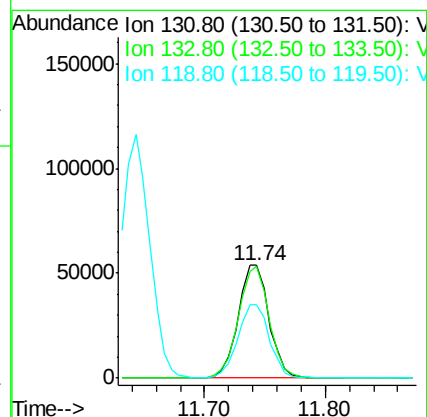
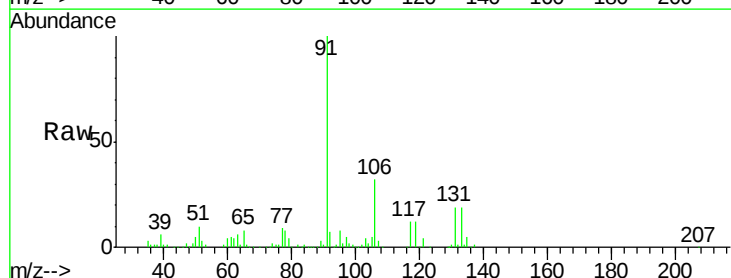
Tgt Ion:131 Resp: 95854

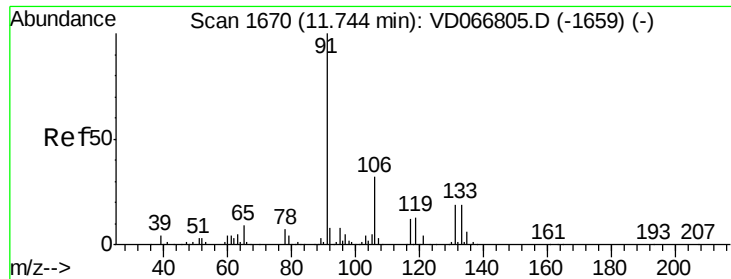
Ion Ratio Lower Upper

131 100

133 97.9 46.7 140.1

119 66.6 32.3 96.9





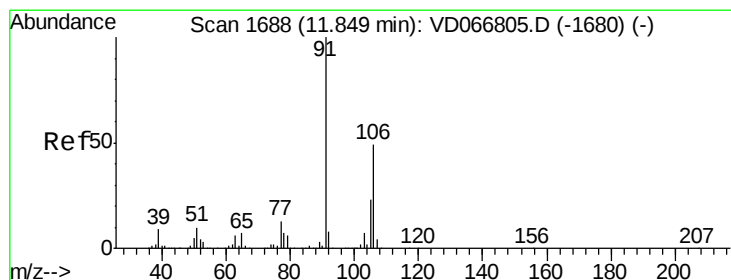
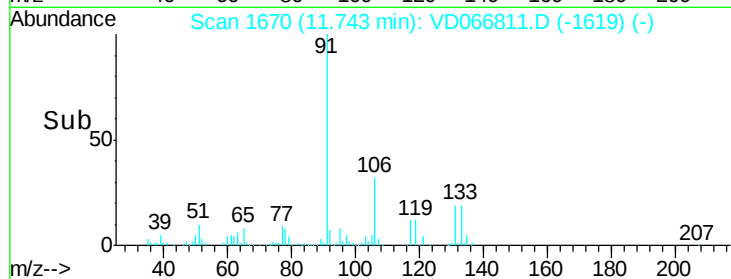
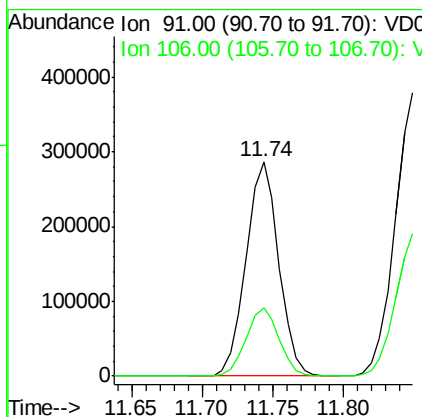
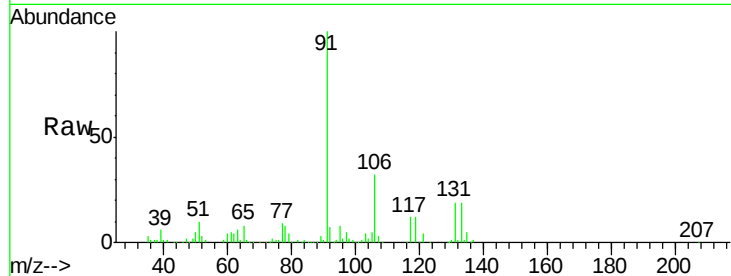
#67
Ethyl Benzene
Concen: 20.933 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

Instrument :
MSVOA_D
ClientSampleId :
VD0922SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.7	25.6	38.4

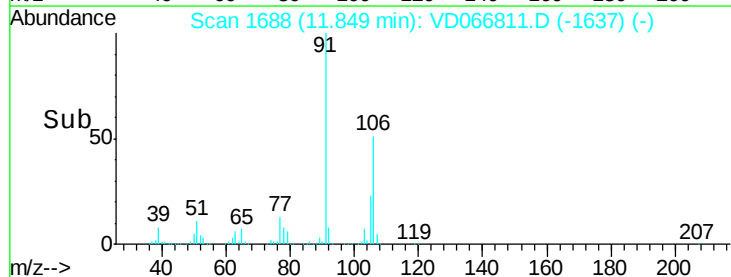
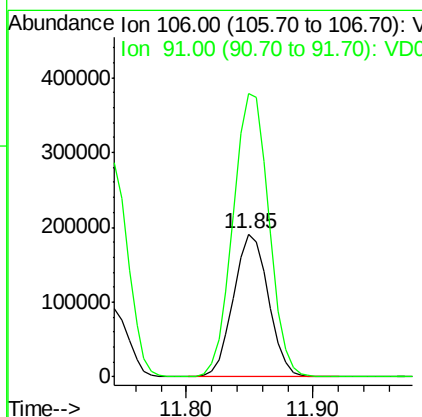
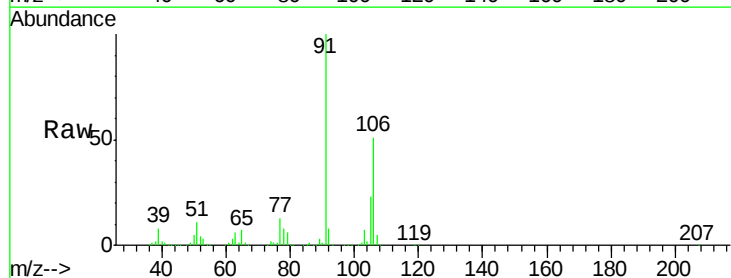
Manual Integrations
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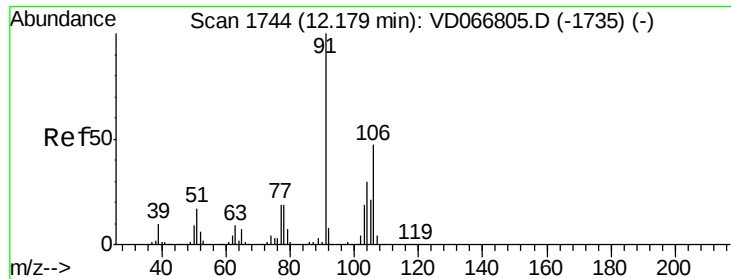
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#68
m/p-Xylenes
Concen: 43.150 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

Tgt Ion	Ratio	Lower	Upper
106	100		
91	204.8	160.7	241.1





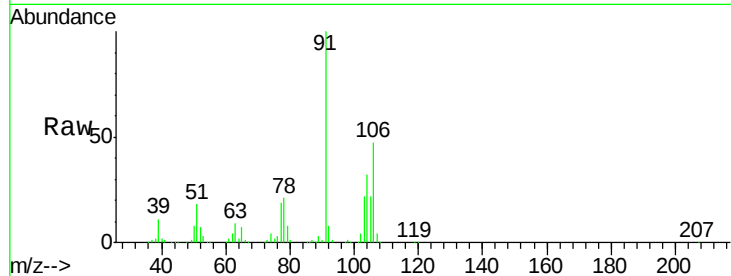
#69
o-Xylene
Concen: 21.166 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

Instrument :
MSVOA_D
ClientSampleId :
VD0922SBS01

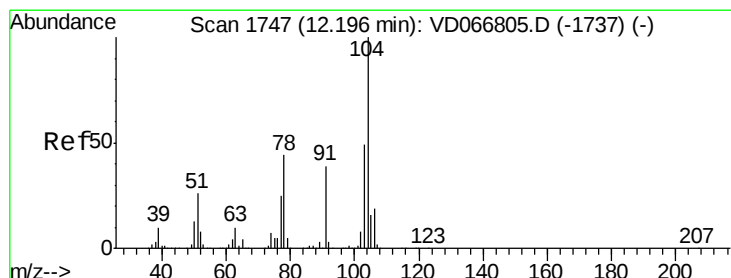
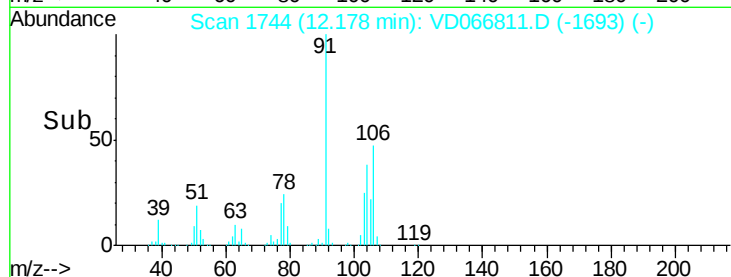
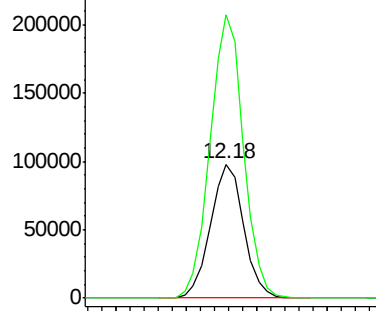
Tot Ion	Ratio	Resp	Lower	Upper
106	100	161310		
91	211.7	106.3	318.8	

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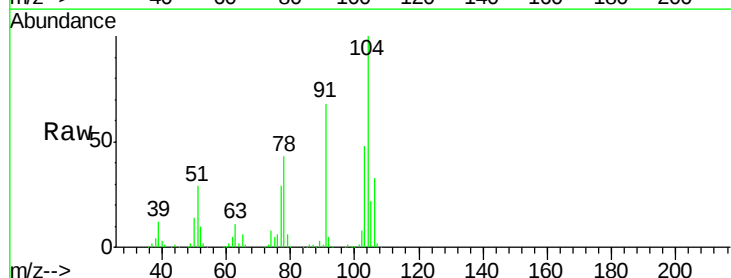


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

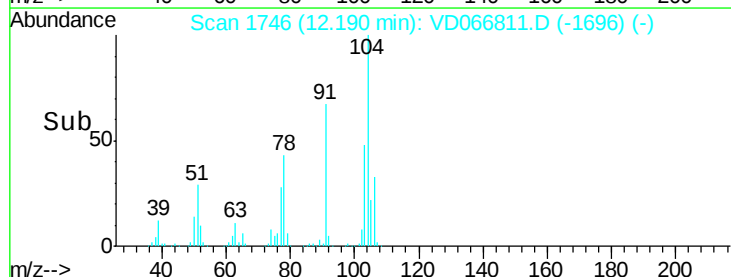
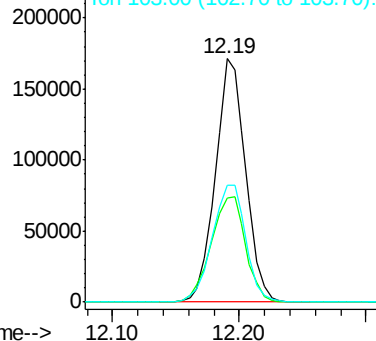


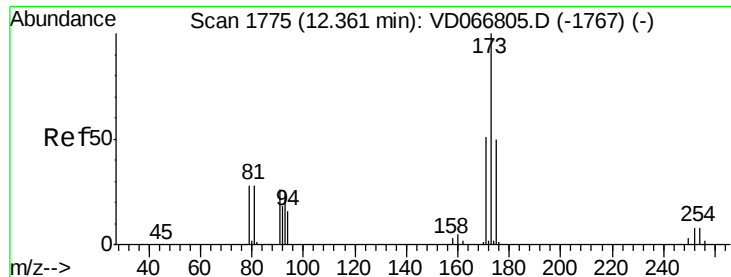
#70
Styrene
Concen: 21.381 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	282984		
78	49.8	38.9	58.3	
103	53.5	43.2	64.8	



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





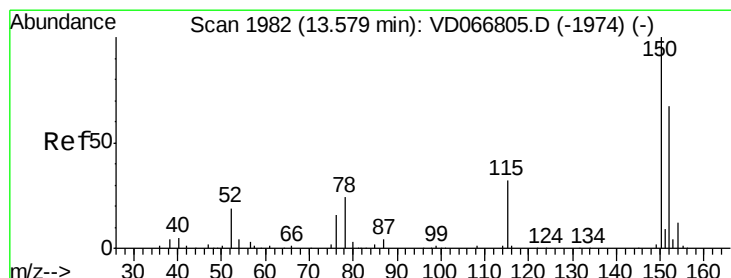
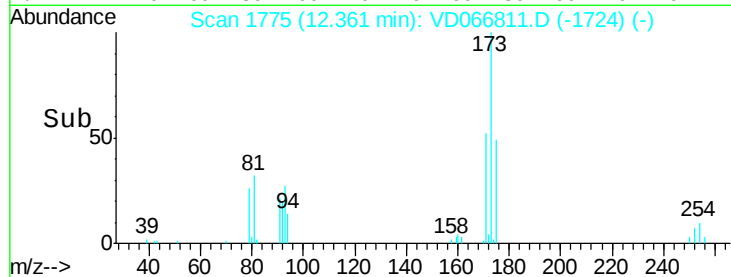
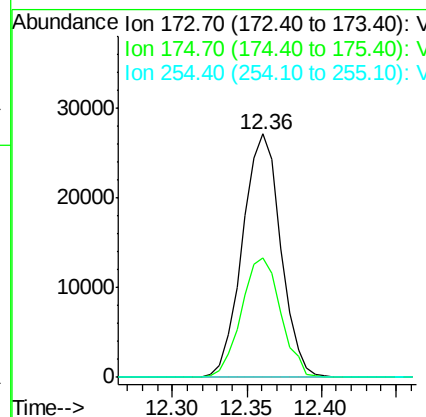
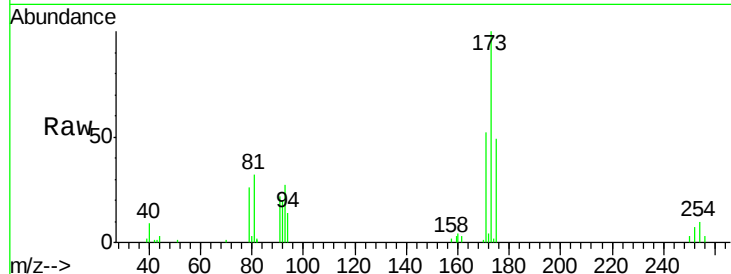
#71
Bromoform
Concen: 19.818 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

Instrument :
MSVOA_D
ClientSampleId :
VD0922SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.7	24.9	74.6
254	0.0	0.1	0.1

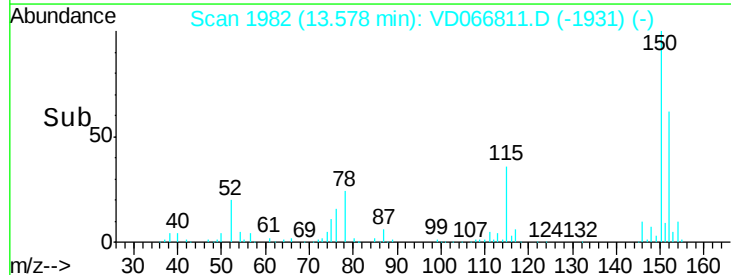
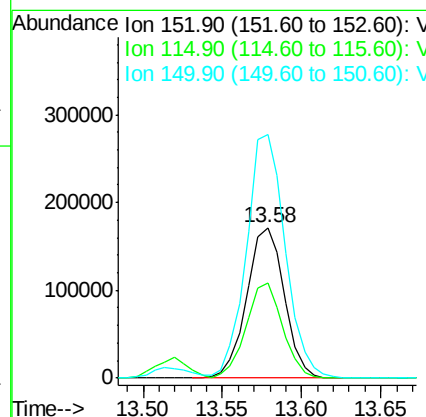
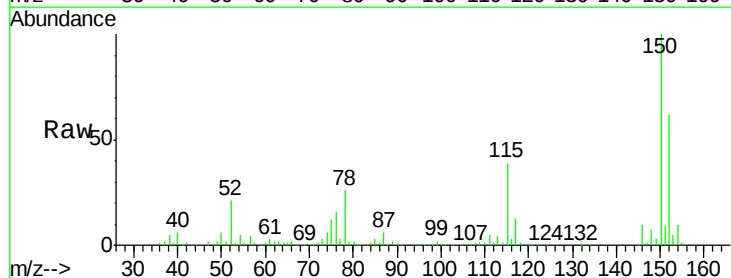
Manual Integrations
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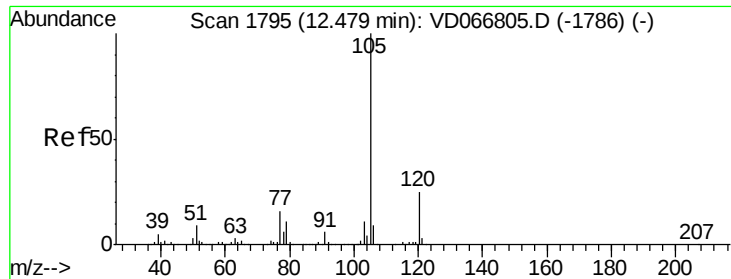
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.8	30.3	91.0
150	168.0	0.0	346.2





#73

Isopropylbenzene

Concen: 22.298 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

VD0922SBS01

Tot Ion: 105 Resp: 453731

Ion Ratio Lower Upper

105 100

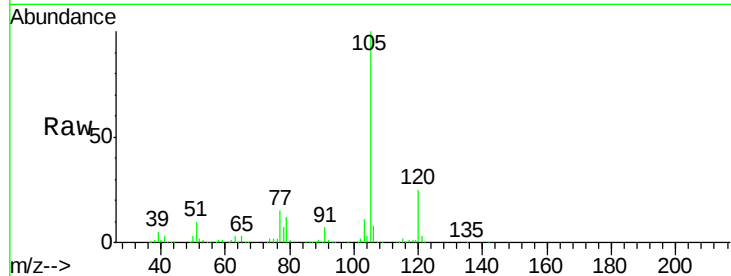
120 26.0 12.9 38.6

Manual Integrations

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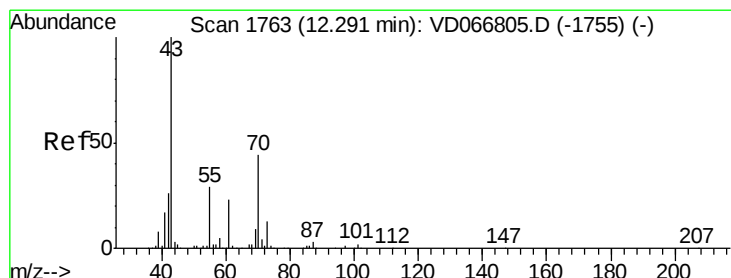
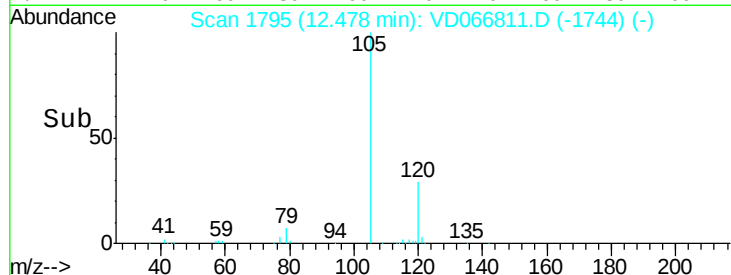
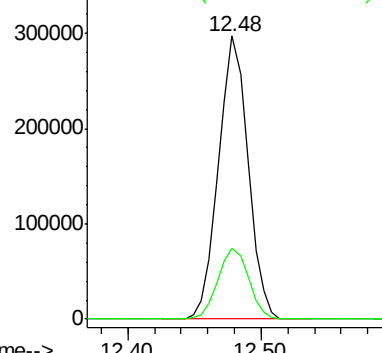
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.723 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Tgt Ion: 43 Resp: 82351

Ion Ratio Lower Upper

43 100

70 43.3 36.1 54.1

55 28.7 21.8 32.8

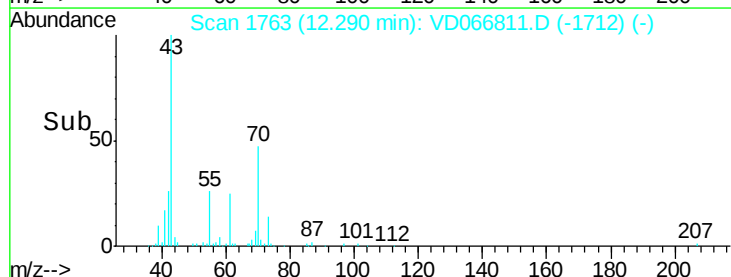
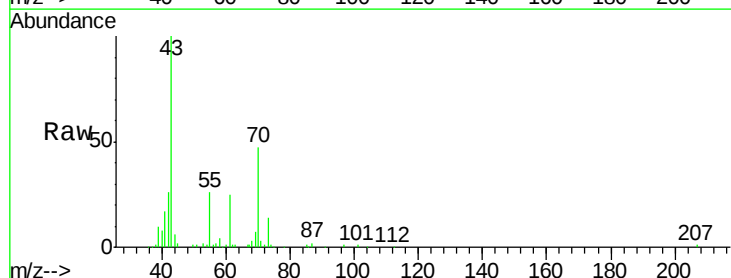
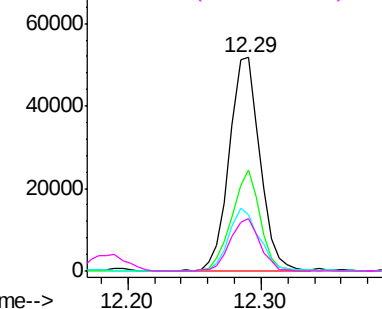
61 23.8 19.0 28.4

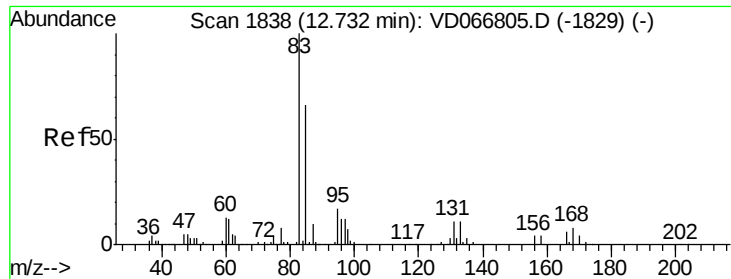
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.363 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

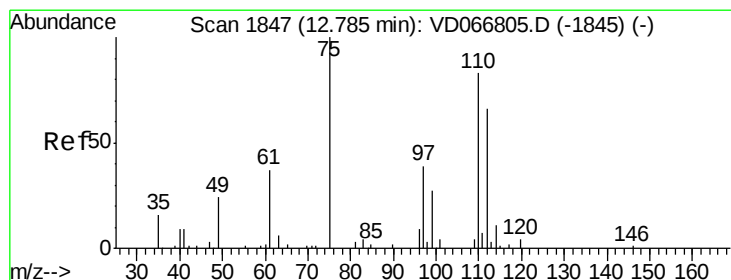
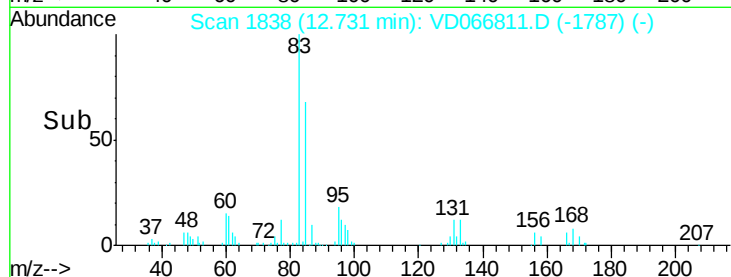
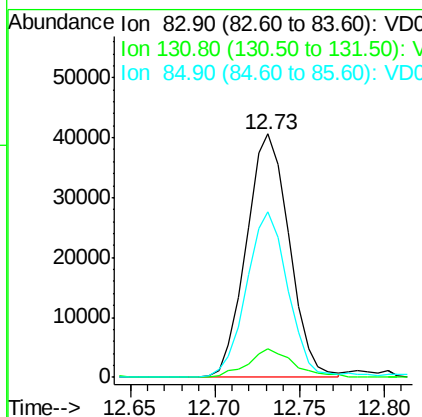
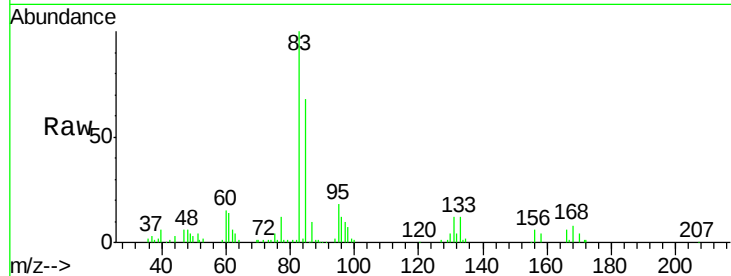
ClientSampleId :

VD0922SBS01

Tot Ion:	83	Resp:	71500
Ion Ratio	Lower	Upper	
83	100		
131	12.3	5.5	16.7
85	66.6	32.1	96.5

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#76

1,2,3-Trichloropropane

Concen: 23.708 ug/l m

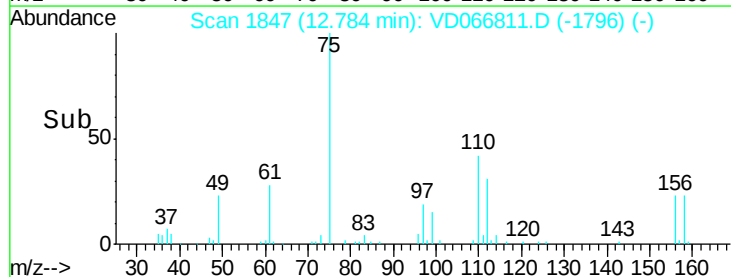
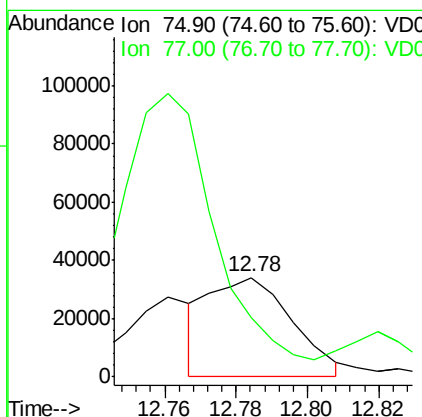
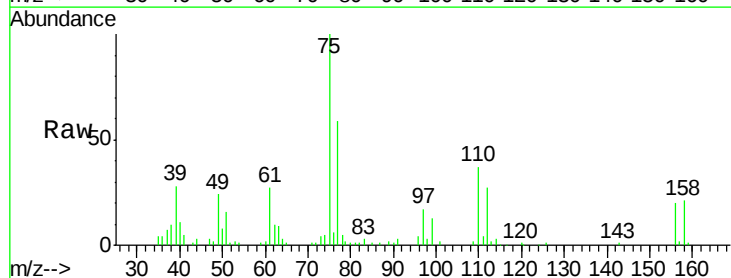
RT: 12.78 min Scan# 1847

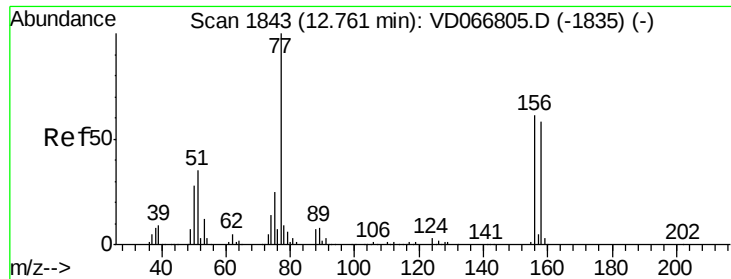
Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Tgt Ion:	75	Resp:	55342
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.156 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

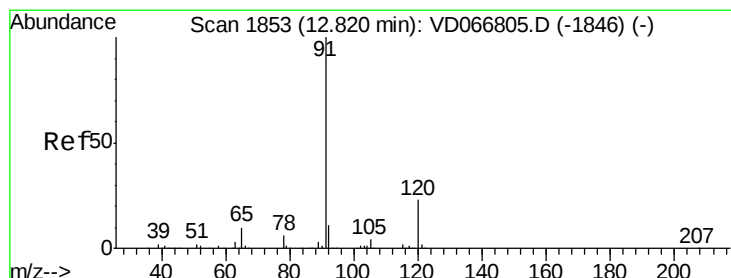
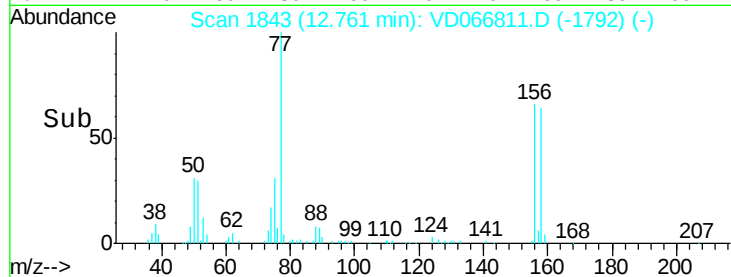
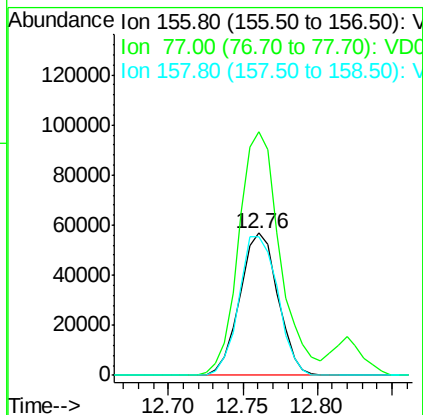
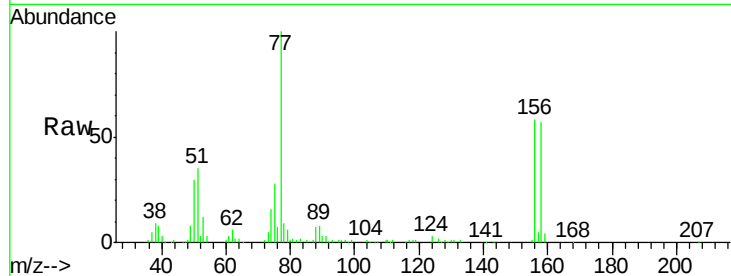
ClientSampleId :

VD0922SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	185.7	92.3	276.9
158	99.2	47.6	142.9

Manual Integrations
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#78

n-propylbenzene

Concen: 22.374 ug/l

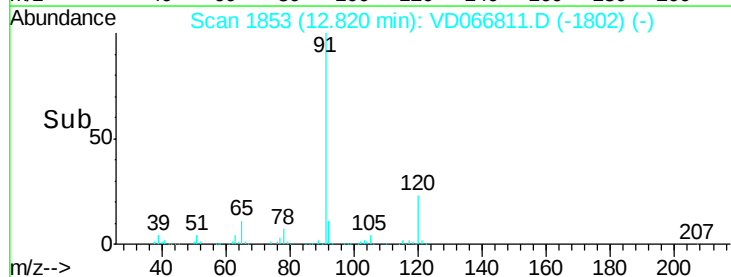
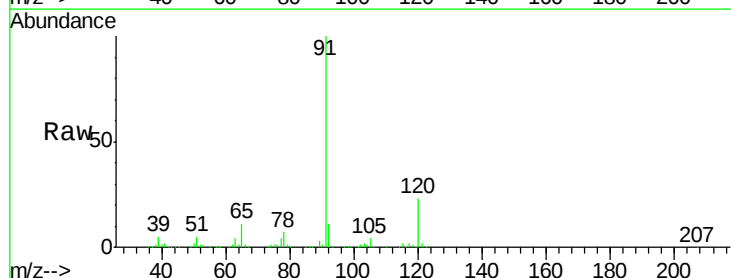
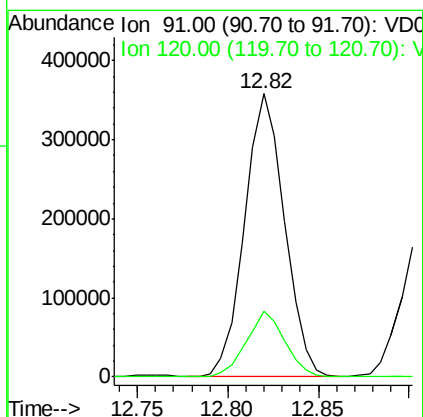
RT: 12.82 min Scan# 1853

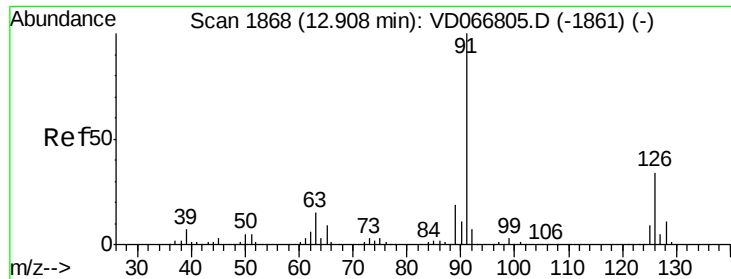
Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.4	34.2





#79

2-Chlorotoluene

Concen: 22.179 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

VD0922SBS01

Tot Ion: 91 Resp: 309405

Ion Ratio Lower Upper

91 100

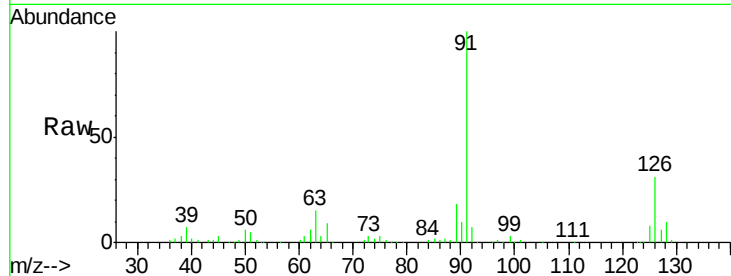
126 33.3 17.0 51.0

Manual Integrations

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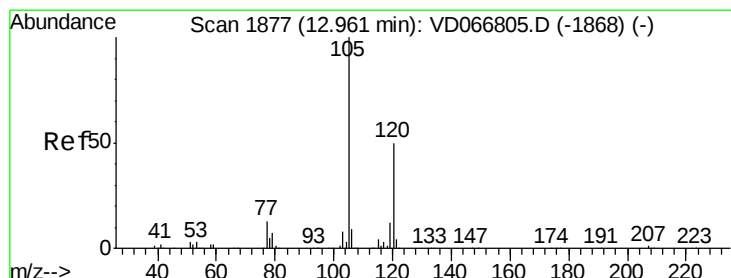
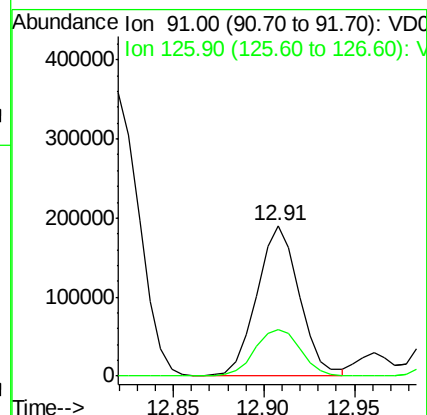
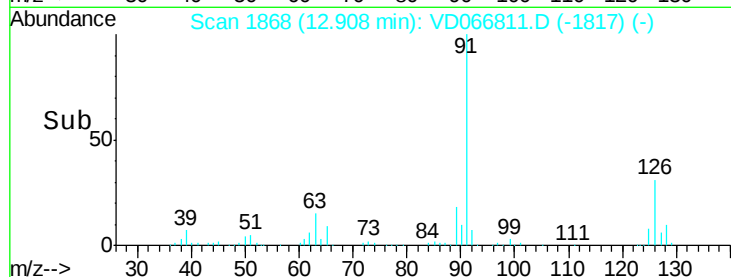
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Abundance Ion 91.00 (90.70 to 91.70): VD066811.D (-1817) (-)

Ion 125.90 (125.60 to 126.60): VD066811.D (-1817) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.499 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066811.D

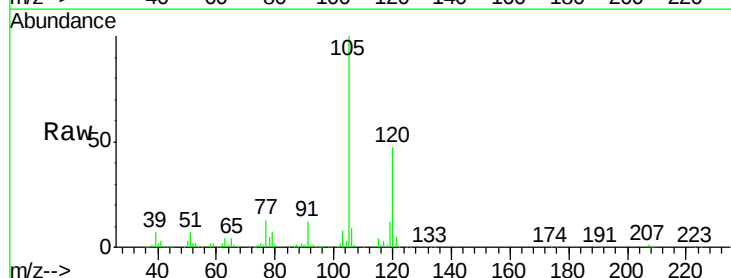
Acq: 22 Sep 2020 15:23

Tgt Ion:105 Resp: 388468

Ion Ratio Lower Upper

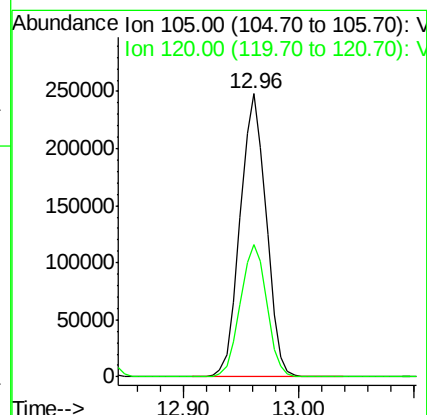
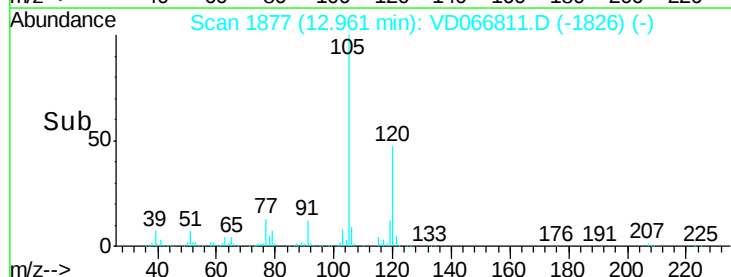
105 100

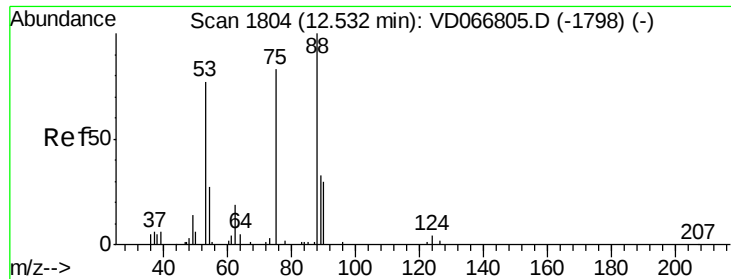
120 47.5 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VD066811.D (-1826) (-)

Ion 120.00 (119.70 to 120.70): VD066811.D (-1826) (-)





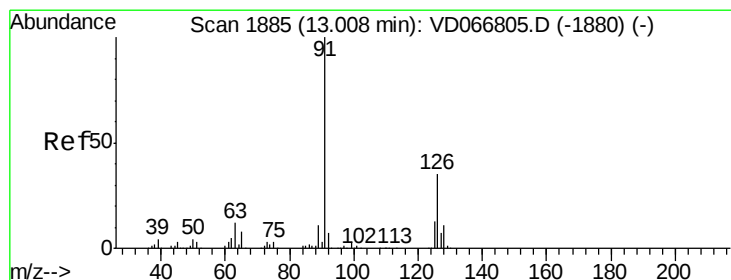
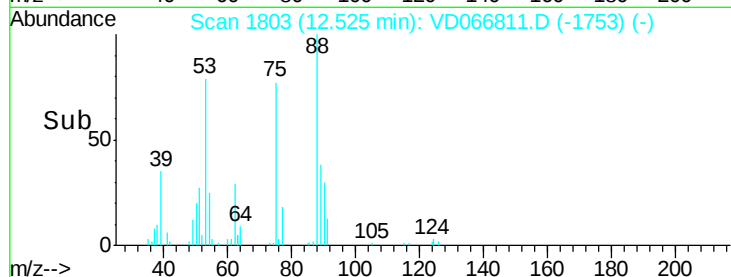
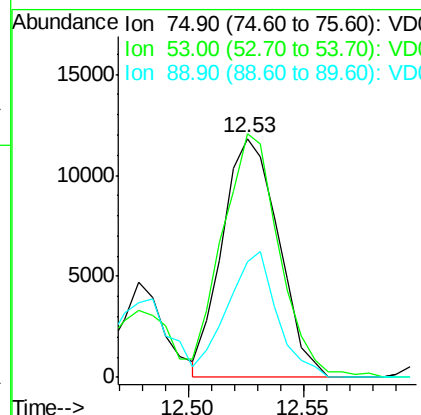
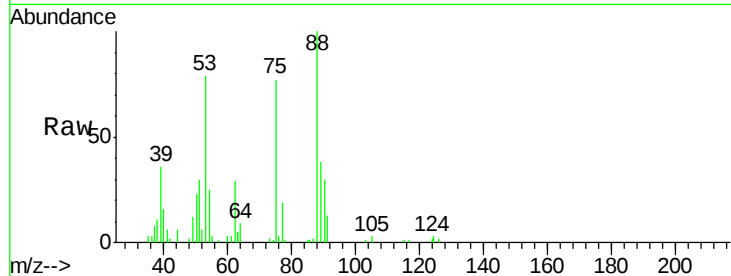
#81
trans-1,4-Dichloro-2-butene
Concen: 21.461 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

Instrument :
MSVOA_D
ClientSampleId :
VD0922SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.6	78.5	117.7
89	46.8	38.1	57.1

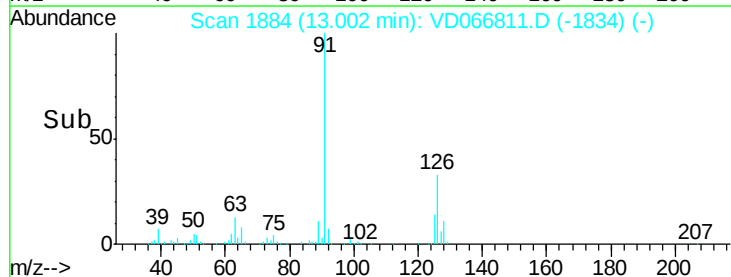
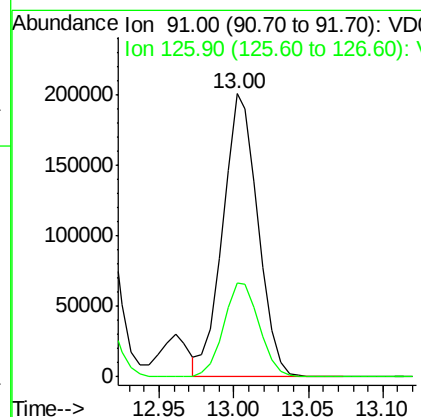
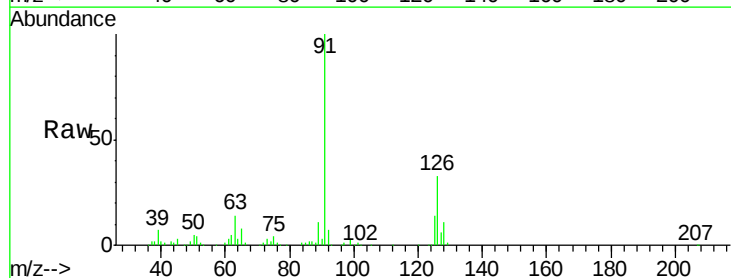
Manual Integrations
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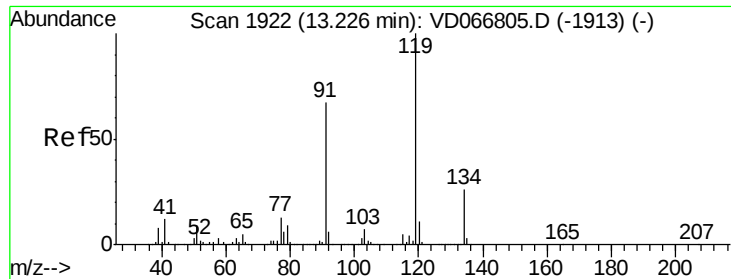
MMDadoda
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#82
4-Chlorotoluene
Concen: 22.475 ug/l
RT: 13.00 min Scan# 1884
Delta R.T. -0.01 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.6	17.1	51.2





#83

tert-Butylbenzene

Concen: 22.052 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

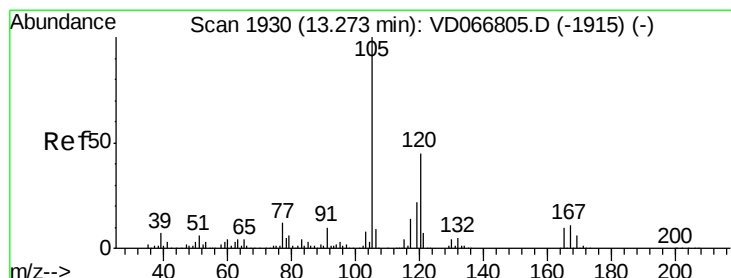
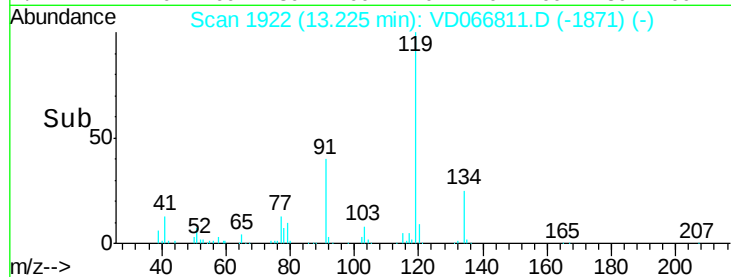
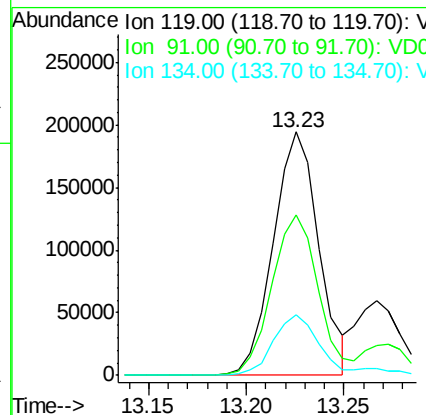
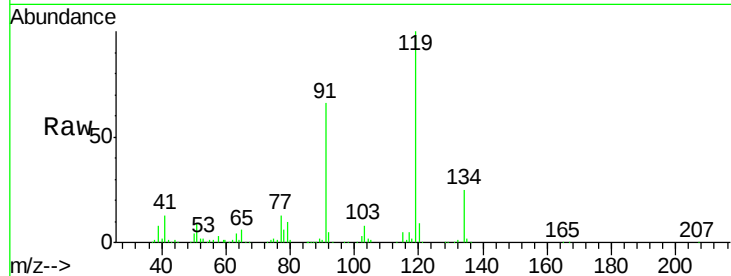
ClientSampleId :

VD0922SBS01

Tot Ion:	119	Resp:	312880
Ion Ratio	Lower	Upper	
119	100		
91	68.0	33.6	100.8
134	25.0	13.5	40.4

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#84

1,2,4-Trimethylbenzene

Concen: 22.575 ug/l

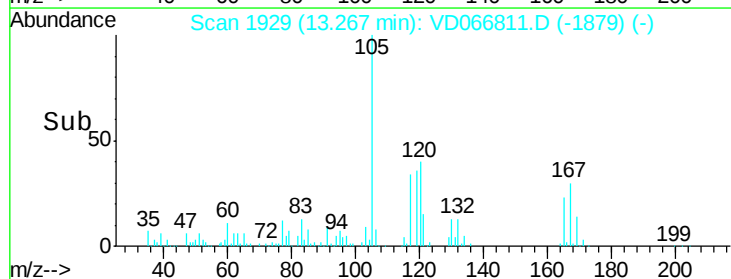
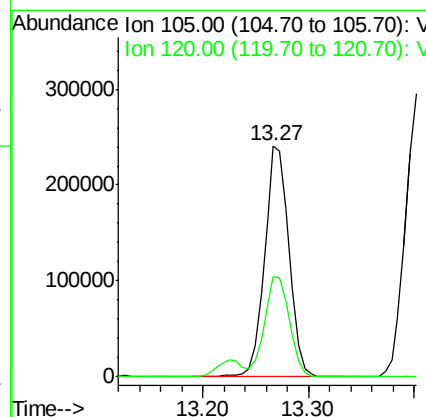
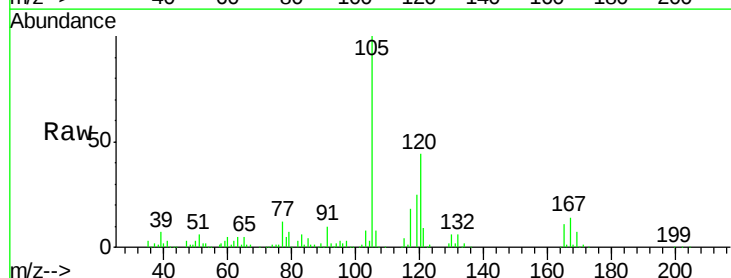
RT: 13.27 min Scan# 1929

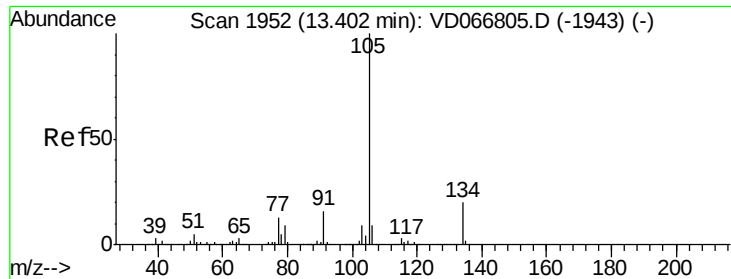
Delta R.T. -0.01 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Tgt Ion:	105	Resp:	386521
Ion Ratio	Lower	Upper	
105	100		
120	44.4	22.3	66.9





#85

sec-Butylbenzene

Concen: 22.267 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

VD0922SBS01

Tot Ion:105 Resp: 454299

Ion Ratio Lower Upper

105 100

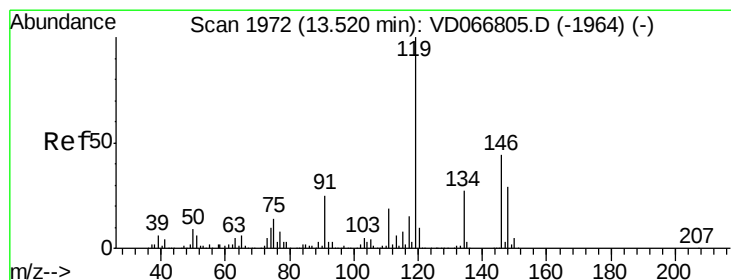
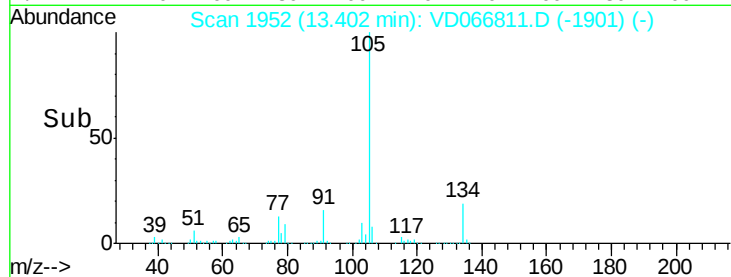
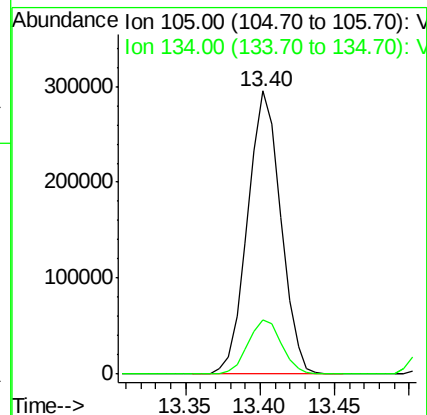
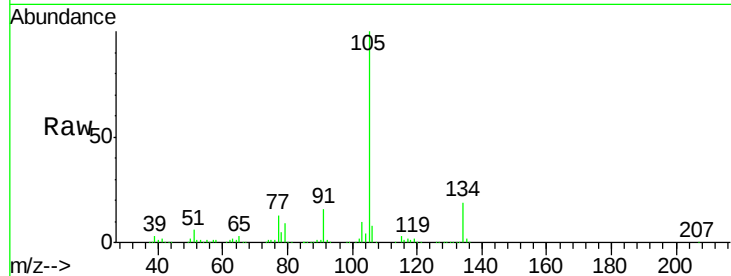
134 19.3 10.2 30.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 22.335 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

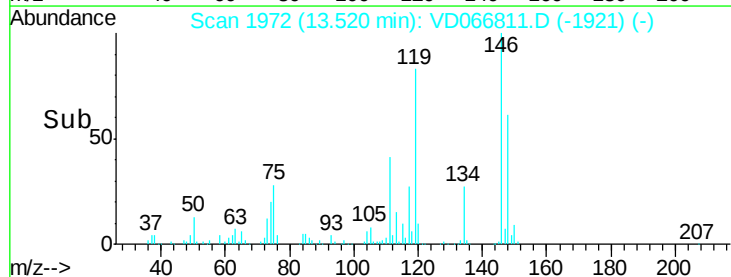
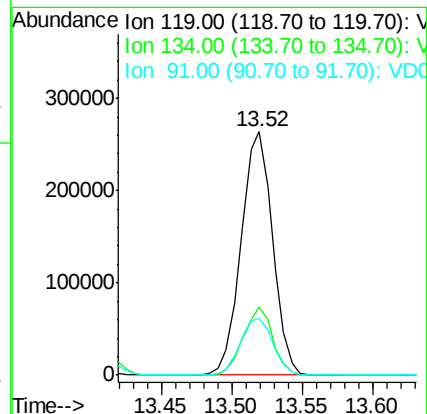
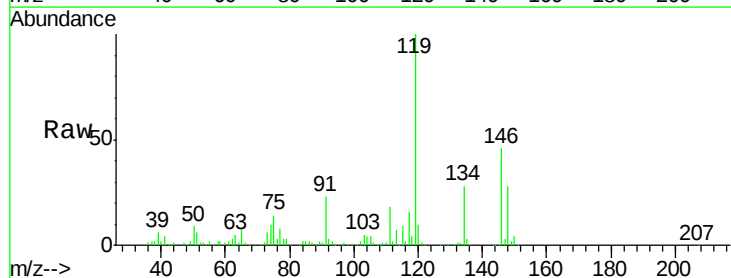
Tgt Ion:119 Resp: 410748

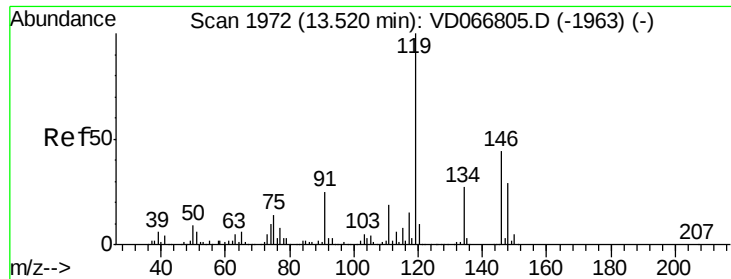
Ion Ratio Lower Upper

119 100

134 26.1 13.0 38.9

91 24.0 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 21.520 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

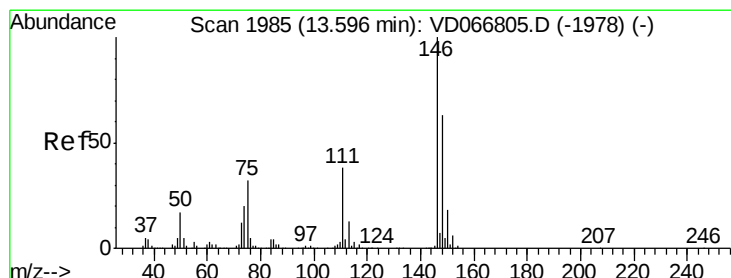
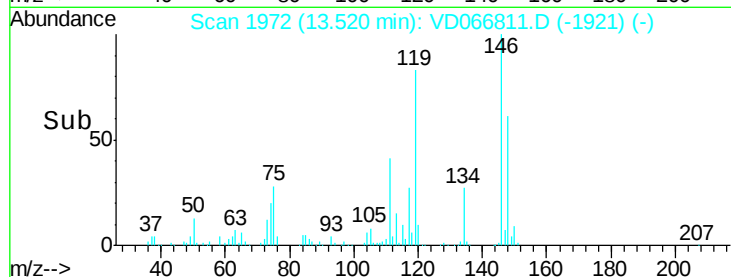
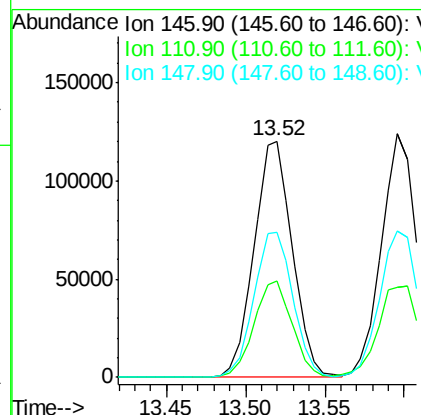
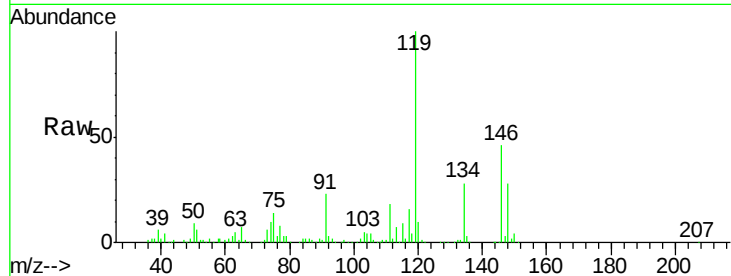
Instrument :
MSVOA_D

ClientSampleId :
VD0922SBSD01

Tot Ion	Ratio	Resp Lower	Upper
146	100		
111	40.6	20.3	60.9
148	62.4	31.9	95.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.799 ug/l

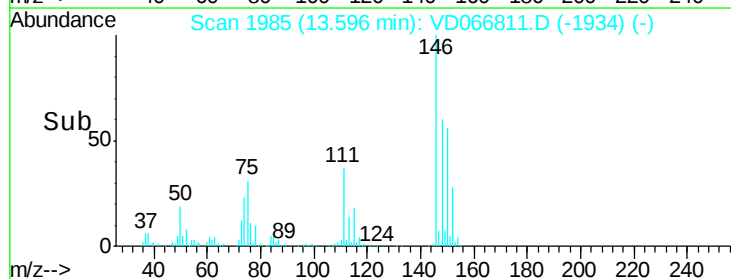
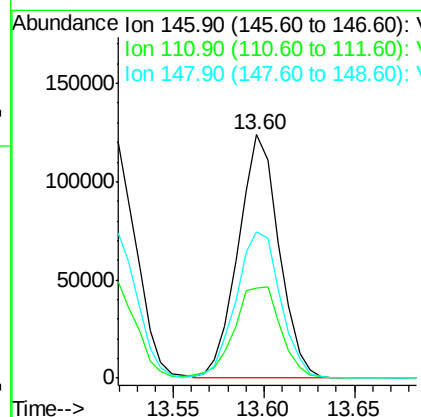
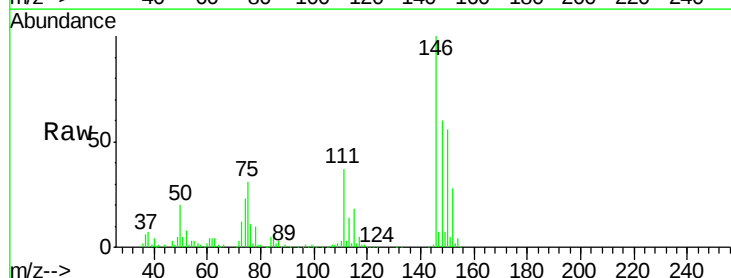
RT: 13.60 min Scan# 1985

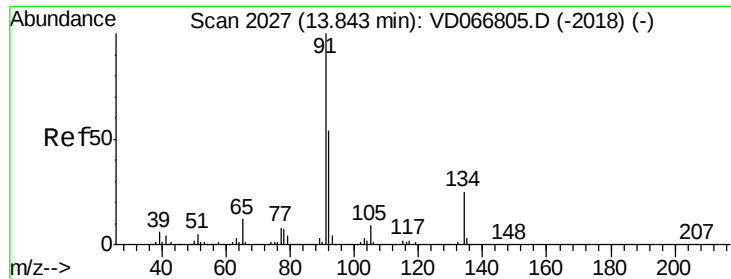
Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Tgt Ion	Ratio	Resp Lower	Upper
146	100		
111	43.0	20.2	60.5
148	65.4	31.6	94.7





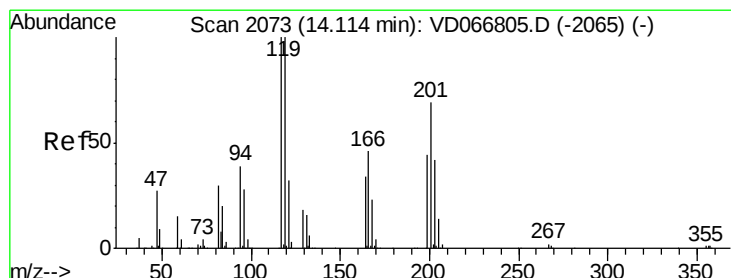
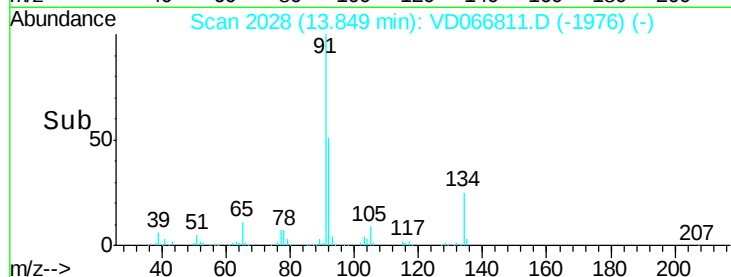
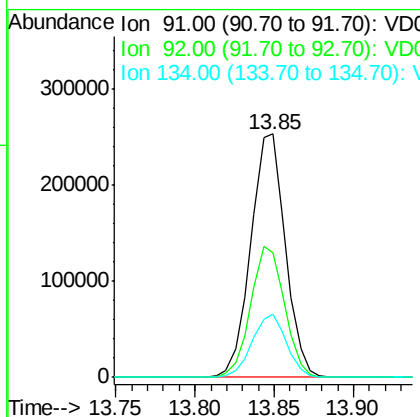
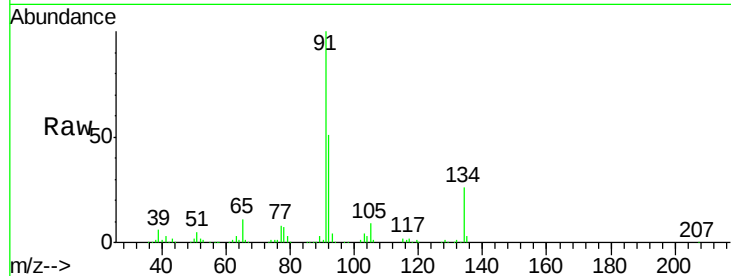
#89
n-Butylbenzene
Concen: 21.964 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

Instrument :
MSVOA_D
ClientSampleId :
VD0922SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.8	26.7	80.0	
134	25.7	13.1	39.1	

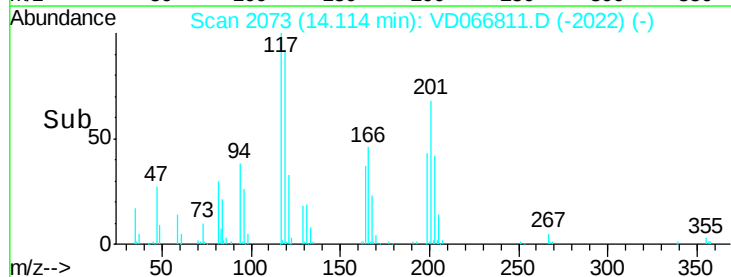
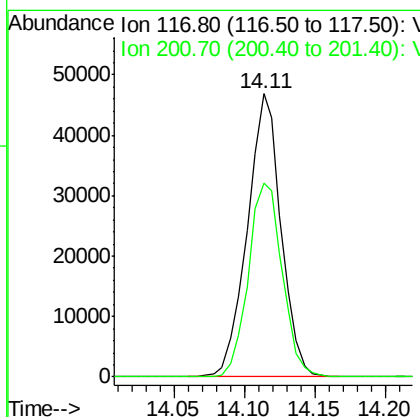
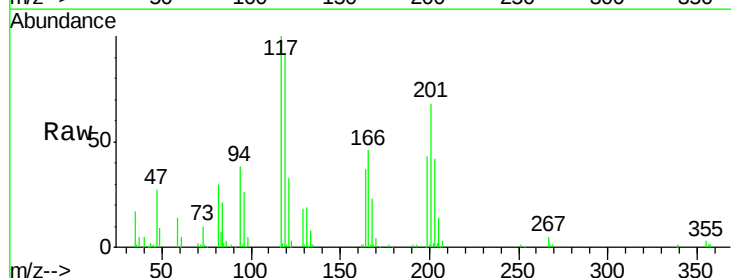
Manual Integrations
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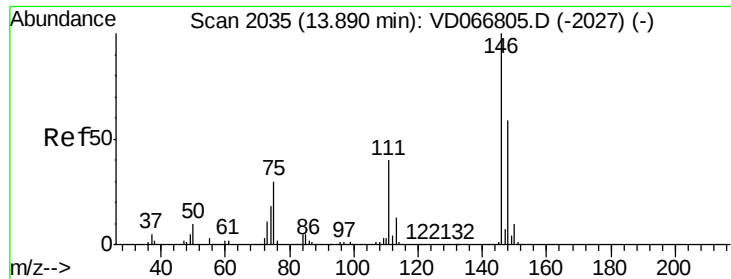
MMDadoda
9/23/2020 1:05:10 PM



#90
Hexachloroethane
Concen: 21.026 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	68.8	33.7	101.0	





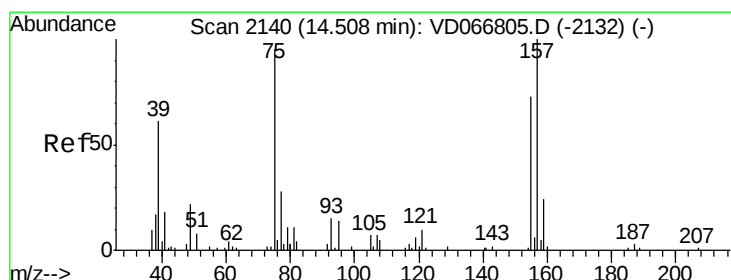
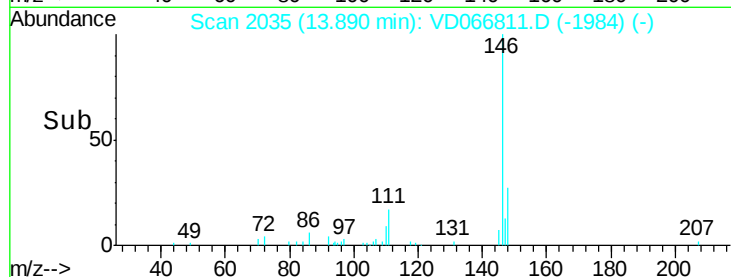
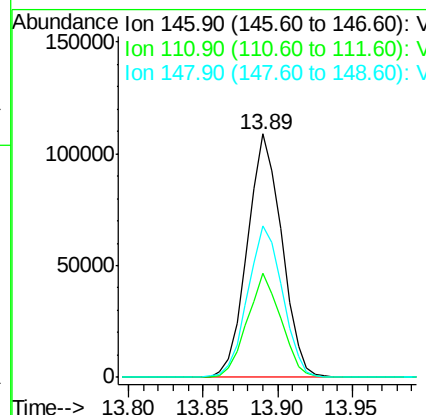
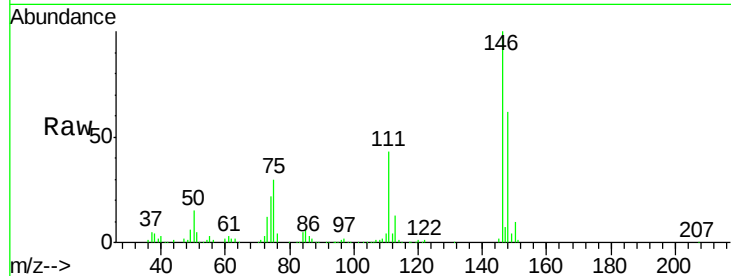
#91
 1,2-Dichlorobenzene
 Concen: 21.568 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD066811.D
 Acq: 22 Sep 2020 15:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0922SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.9	62.7
148	63.0	31.8	95.3

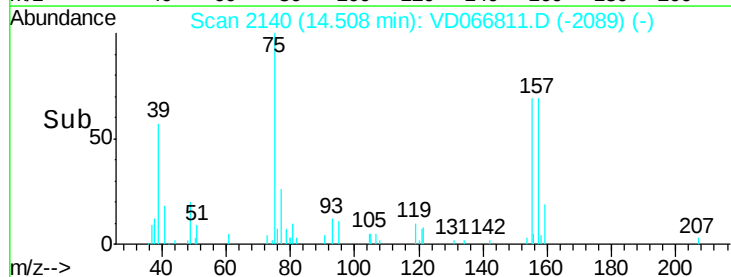
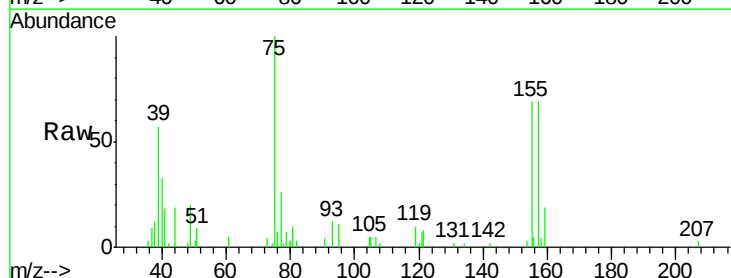
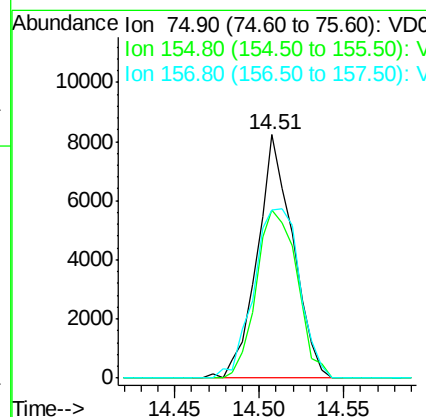
Manual Integrations
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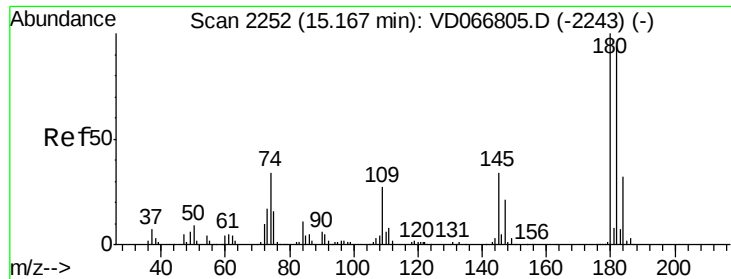
MMDadoda
 9/23/2020 1:05:10 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.438 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.00 min
 Lab File: VD066811.D
 Acq: 22 Sep 2020 15:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.9	40.4	121.2
157	89.6	51.3	153.9





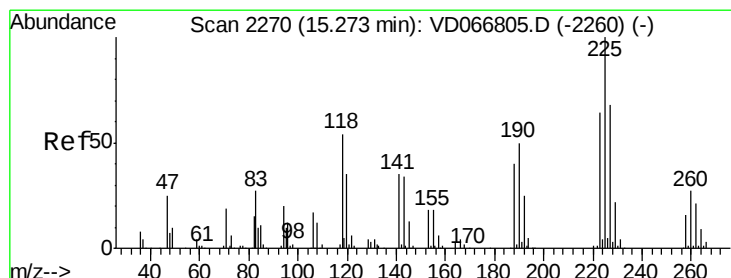
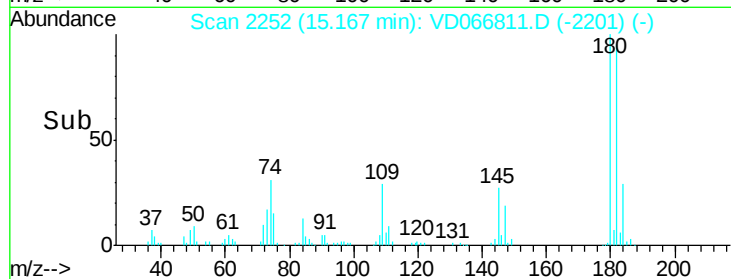
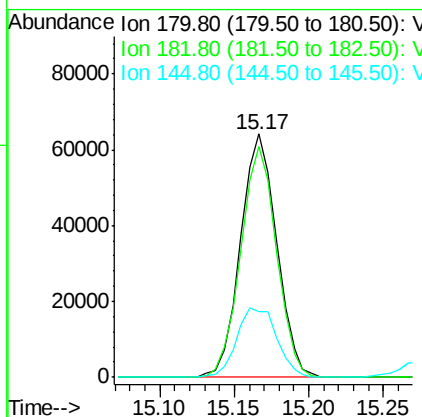
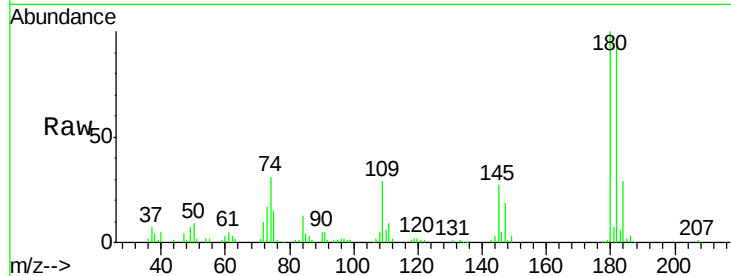
#93
 1,2,4-Trichlorobenzene
 Concen: 21.289 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066811.D
 Acq: 22 Sep 2020 15:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0922SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	107802		
182	93.8	48.8	146.3	
145	31.6	16.7	50.0	

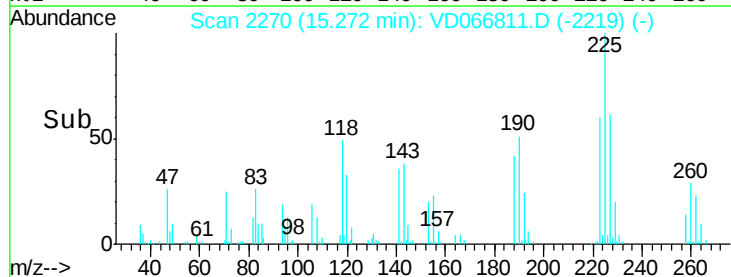
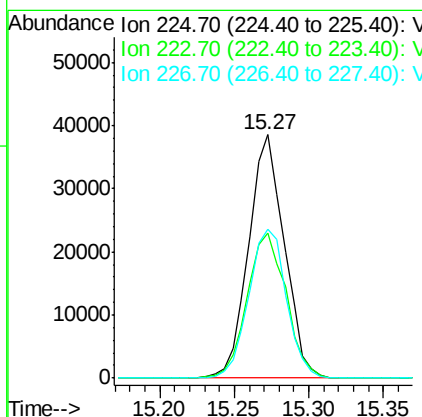
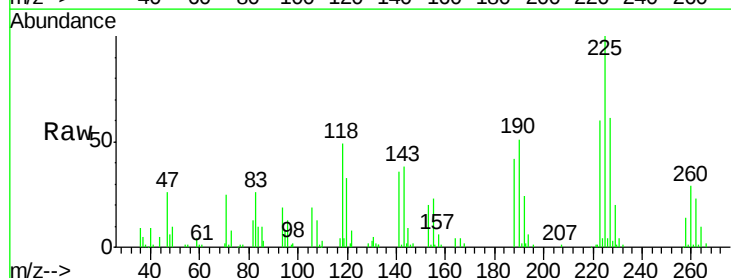
Manual Integrations
 APPROVED

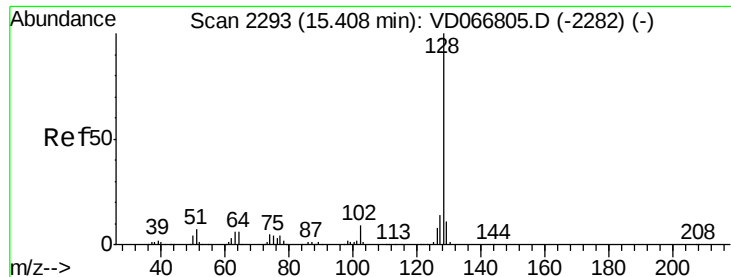
MMDadoda
 9/23/2020 1:05:10 PM



#94
 Hexachlorobutadiene
 Concen: 20.963 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066811.D
 Acq: 22 Sep 2020 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	63613		
223	65.1	31.1	93.3	
227	64.6	31.7	95.1	





#95

Naphthalene

Concen: 20.162 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

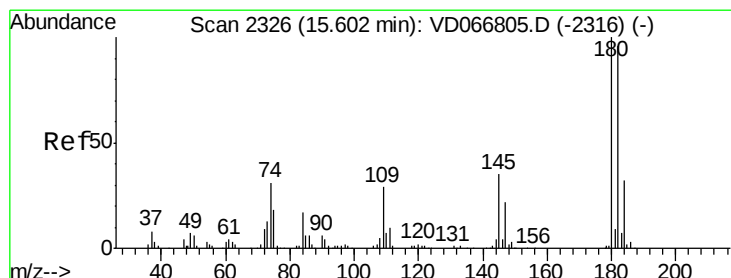
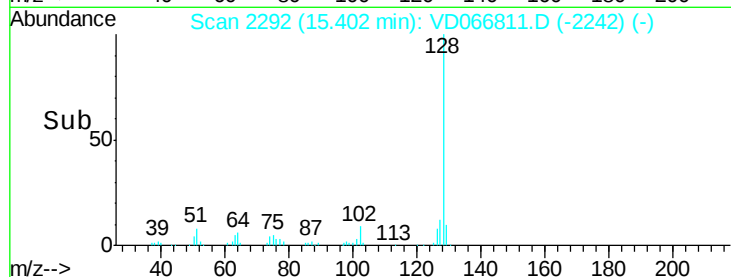
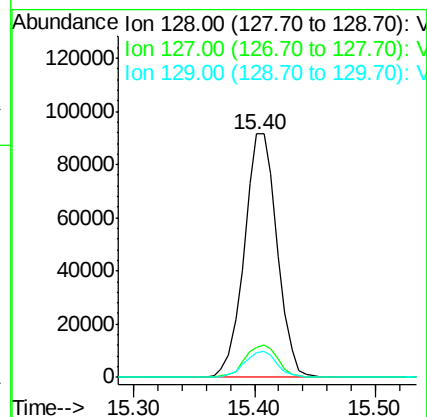
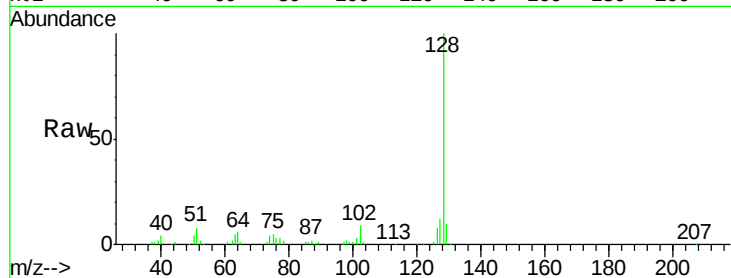
ClientSampleId :

VD0922SBS01

Tot Ion:	128	Resp:	173338
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	16.0
129	10.8	8.9	13.3

Manual Integrations
APPROVED

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9/23/2020 1:05:10 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.559 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Tgt Ion:	180	Resp:	89858
Ion Ratio	Lower	Upper	
180	100		
182	95.6	46.8	140.3
145	34.7	17.0	51.0

