

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092320\
 Data File : VD066826.D
 Acq On : 23 Sep 2020 11:22
 Operator : VA/SY
 Sample : VD0923SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/24/2020 1:36:45 PM

Quant Time: Sep 23 15:54:04 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	402125	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	644176	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	583706	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	271330	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	199682	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
35) Dibromofluoromethane	7.91	113	202982	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
50) Toluene-d8	10.33	98	737901	52.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.70%	
62) 4-Bromofluorobenzene	12.63	95	247441	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	77736	24.790	ug/l	89
3) Chloromethane	2.21	50	79088	21.406	ug/l	92
4) Vinyl Chloride	2.35	62	85044	23.299	ug/l	99
5) Bromomethane	2.76	94	51802	20.191	ug/l	91
6) Chloroethane	2.92	64	47593	20.997	ug/l #	85
7) Trichlorofluoromethane	3.27	101	160395	21.396	ug/l	96
8) Diethyl Ether	3.70	74	36399	19.126	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.10	101	94153	21.660	ug/l	99
10) Methyl Iodide	4.30	142	91335	23.811	ug/l	97
11) Tert butyl alcohol	5.21	59	20505	47.515	ug/l #	91
12) 1,1-Dichloroethene	4.06	96	80676	20.488	ug/l	94
13) Acrolein	3.91	56	28296	97.456	ug/l	91
14) Allyl chloride	4.71	41	117774	20.369	ug/l	99
15) Acrylonitrile	5.41	53	81039	96.088	ug/l	99
16) Acetone	4.15	43	67076	80.338	ug/l	100
17) Carbon Disulfide	4.40	76	264588	21.978	ug/l	99
18) Methyl Acetate	4.71	43	37527	17.808	ug/l	94
19) Methyl tert-butyl Ether	5.47	73	162072	18.953	ug/l	96
20) Methylene Chloride	4.96	84	103647	19.444	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	96958	21.265	ug/l	91
22) Diisopropyl ether	6.36	45	248338	20.889	ug/l	96
23) Vinyl Acetate	6.30	43	567394	89.636	ug/l	99
24) 1,1-Dichloroethane	6.26	63	167395	21.047	ug/l	98
25) 2-Butanone	7.21	43	85717	85.430	ug/l	99
26) 2,2-Dichloropropane	7.20	77	150344	20.624	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	102514	20.694	ug/l	98
28) Bromochloromethane	7.54	49	65851	20.042	ug/l #	98
29) Tetrahydrofuran	7.56	42	62377	97.024	ug/l	98
30) Chloroform	7.71	83	175507	20.471	ug/l	100
31) Cyclohexane	7.98	56	149874	20.943	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	164861	21.257	ug/l	99
36) 1,1-Dichloropropene	8.11	75	136135	21.302	ug/l	99
37) Ethyl Acetate	7.28	43	43994	19.042	ug/l #	95
38) Carbon Tetrachloride	8.09	117	148375	21.236	ug/l	96

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Quant Time: Sep 23 15:54:04 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	155364	21.174	ug/l	98
40) Benzene	8.34	78	368074	20.666	ug/l	98
41) Methacrylonitrile	7.52	41	25418	17.890	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	103711	19.697	ug/l	99
43) Isopropyl Acetate	8.45	43	81675	18.337	ug/l	98
44) Trichloroethene	9.11	130	110185	21.704	ug/l	95
45) 1,2-Dichloropropane	9.38	63	91203	20.352	ug/l	96
46) Dibromomethane	9.47	93	48421	19.887	ug/l	97
47) Bromodichloromethane	9.66	83	131141	20.050	ug/l #	98
48) Methyl methacrylate	9.45	41	45176	20.571	ug/l	90
49) 1,4-Dioxane	9.46	88	11570	351.764	ug/l	99
51) 4-Methyl-2-Pentanone	10.22	43	216800	96.059	ug/l	97
52) Toluene	10.40	92	244915	21.348	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	111686	20.062	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	131545	19.379	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	69339	20.716	ug/l	97
56) Ethyl methacrylate	10.66	69	70002	19.523	ug/l	98
57) 1,3-Dichloropropane	10.94	76	114502	20.717	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	187125	110.216	ug/l	99
59) 2-Hexanone	10.98	43	142172	93.410	ug/l	97
60) Dibromochloromethane	11.14	129	87972	20.138	ug/l	99
61) 1,2-Dibromoethane	11.24	107	64408	20.688	ug/l	95
64) Tetrachloroethene	10.87	164	94436	22.492	ug/l	99
65) Chlorobenzene	11.67	112	254407	20.939	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	92692	20.157	ug/l	94
67) Ethyl Benzene	11.74	91	449918	21.084	ug/l	99
68) m/p-Xylenes	11.86	106	345735	42.792	ug/l	99
69) o-Xylene	12.18	106	152120	20.822	ug/l	98
70) Styrene	12.19	104	270832	21.347	ug/l	99
71) Bromoform	12.36	173	45480	19.533	ug/l #	99
73) Isopropylbenzene	12.48	105	433474	22.115	ug/l	98
74) N-amyl acetate	12.28	43	74447	19.449	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	67713	20.020	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	51561m	22.931	ug/l	
77) Bromobenzene	12.76	156	96606	21.074	ug/l	98
78) n-propylbenzene	12.82	91	515552	21.863	ug/l	99
79) 2-Chlorotoluene	12.91	91	285300	21.232	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	360194	21.657	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	15539	17.290	ug/l	97
82) 4-Chlorotoluene	13.00	91	306334	21.626	ug/l	99
83) tert-Butylbenzene	13.23	119	296760	21.714	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	360507	21.859	ug/l	100
85) sec-Butylbenzene	13.40	105	424362	21.593	ug/l	99
86) p-Isopropyltoluene	13.52	119	394242	22.255	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	194645	21.492	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	189710	21.090	ug/l	99
89) n-Butylbenzene	13.84	91	355967	21.141	ug/l	100
90) Hexachloroethane	14.11	117	73375	20.402	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	159714	20.612	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10776	19.806	ug/l	97

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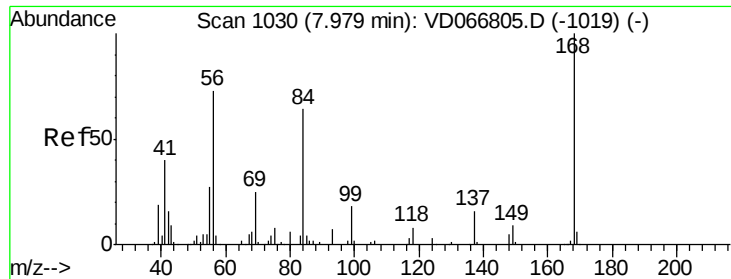
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 23 01:34:05 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	101580	20.825	ug/l	98
94) Hexachlorobutadiene	15.27	225	63690	21.790	ug/l	98
95) Naphthalene	15.41	128	157932	19.071	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	85054	20.203	ug/l	99

(#) = 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: VD066826.D

Acq: 23 Sep 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

Tot Ion:168 Resp: 402125

Ion Ratio Lower Upper

168 100

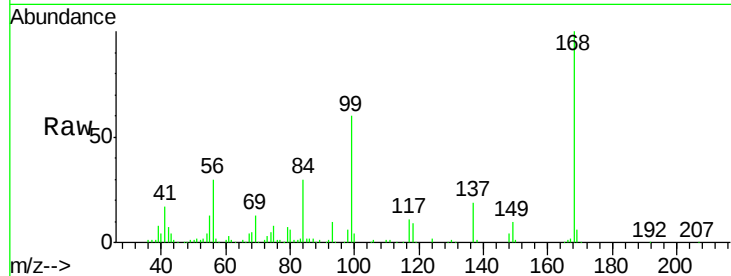
99 59.3 46.6 69.8

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

150000

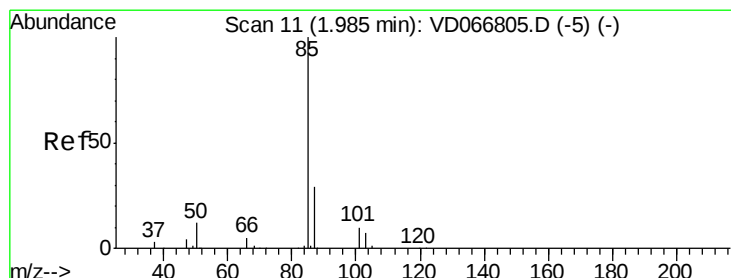
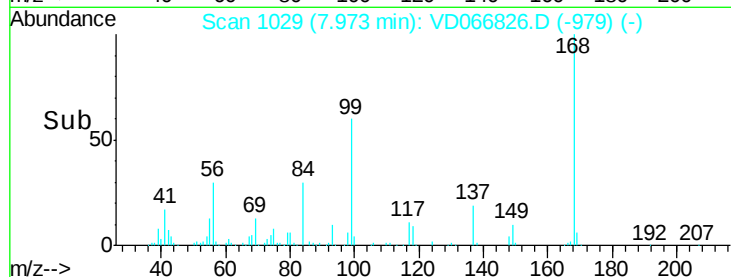
100000

50000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 24.790 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066826.D

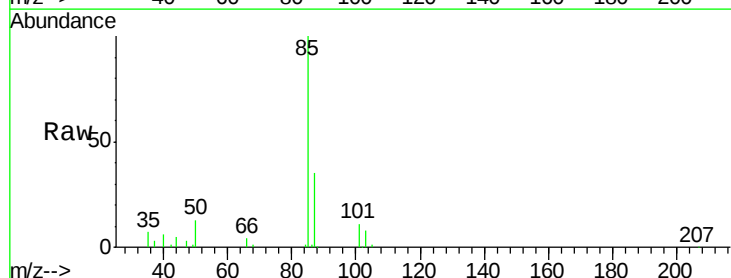
Acq: 23 Sep 2020 11:22

Tgt Ion: 85 Resp: 77736

Ion Ratio Lower Upper

85 100

87 34.6 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

50000

40000

30000

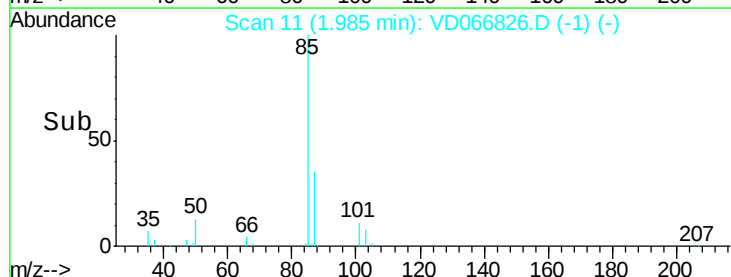
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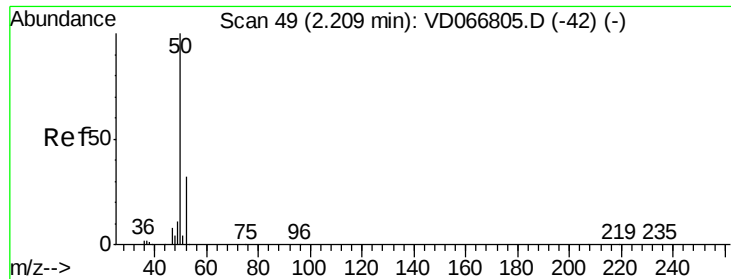
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0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 21.406 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066826.D

Acq: 23 Sep 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

Tot Ion: 50 Resp: 79088

Ion Ratio Lower Upper

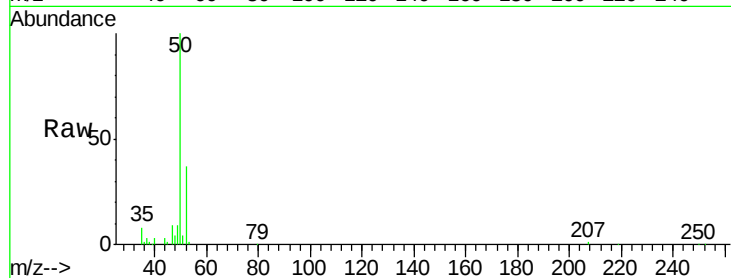
50 100

52 36.5 25.5 38.3

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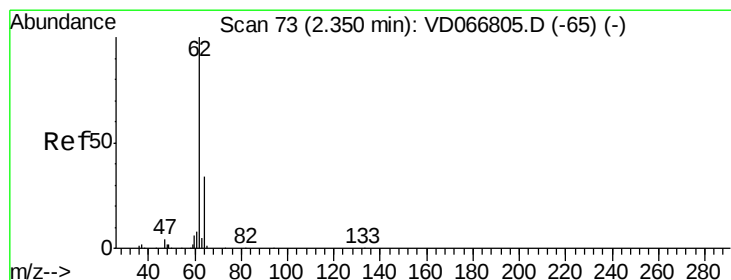
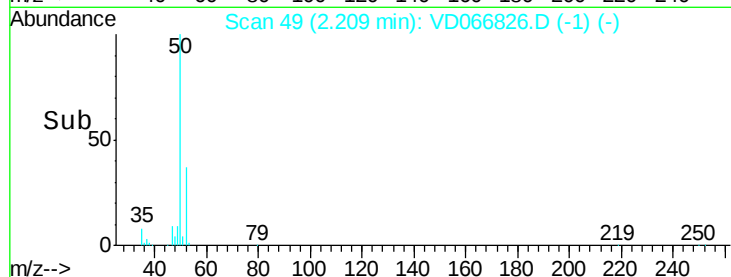
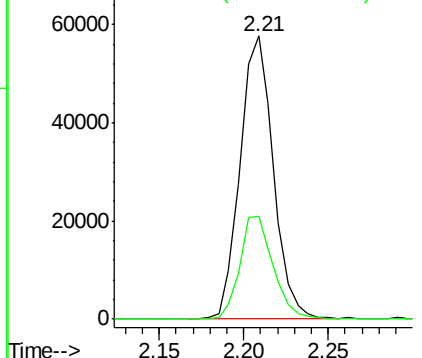
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 23.299 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066826.D

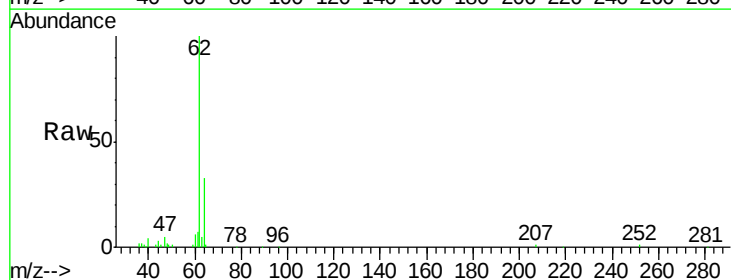
Acq: 23 Sep 2020 11:22

Tgt Ion: 62 Resp: 85044

Ion Ratio Lower Upper

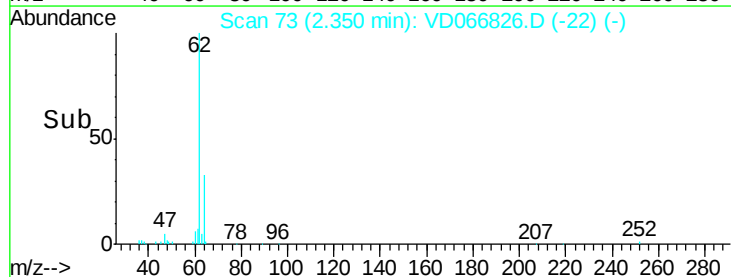
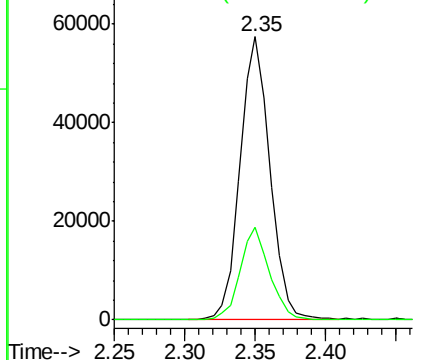
62 100

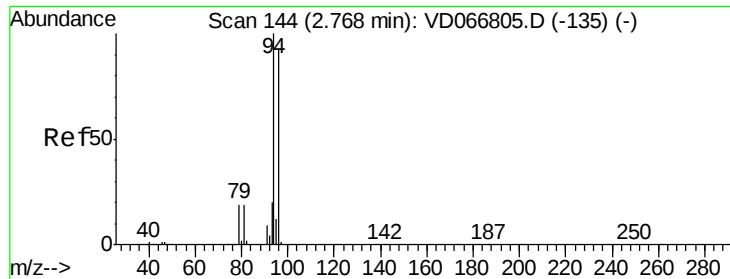
64 32.9 27.0 40.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.191 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD066826.D

Acq: 23 Sep 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

Tot Ion: 94 Resp: 51802

Ion Ratio Lower Upper

94 100

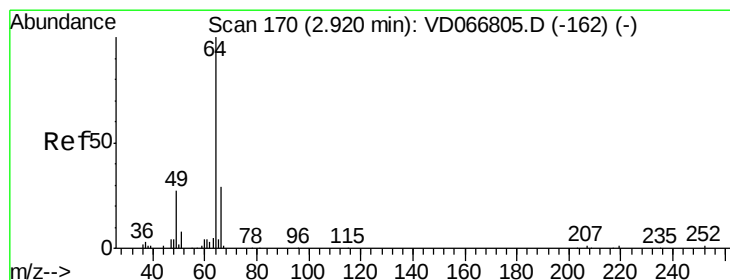
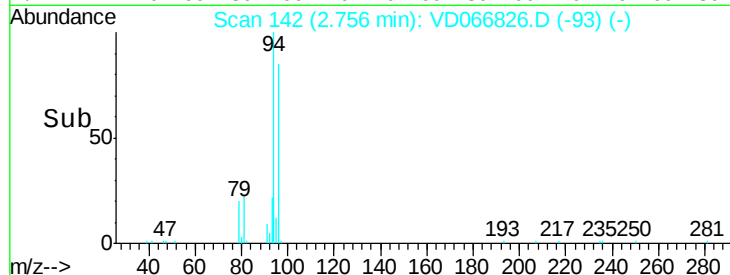
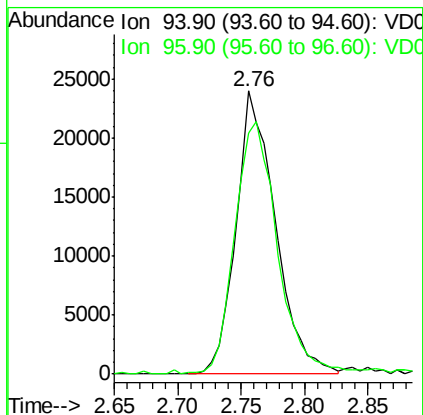
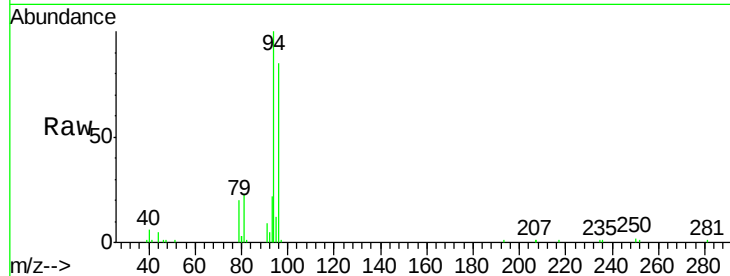
96 84.2 74.3 111.5

Manual Integrations

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#6

Chloroethane

Concen: 20.997 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066826.D

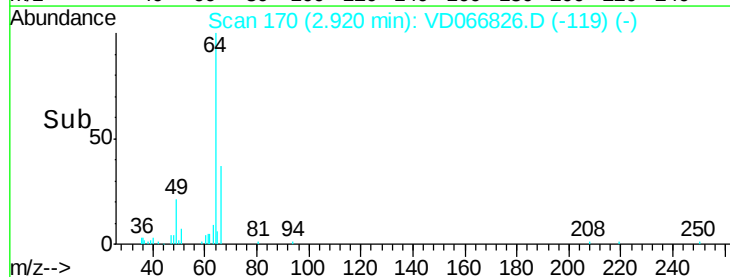
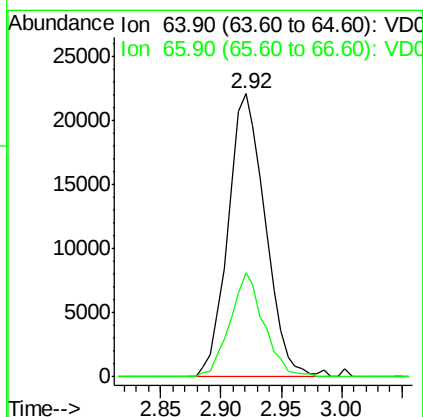
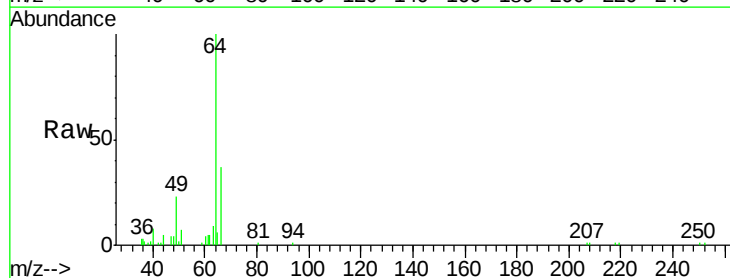
Acq: 23 Sep 2020 11:22

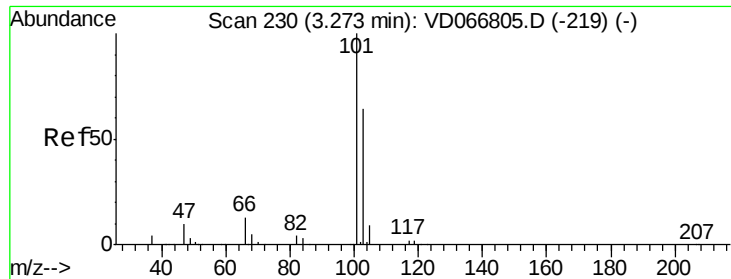
Tgt Ion: 64 Resp: 47593

Ion Ratio Lower Upper

64 100

66 36.9 23.3 34.9#





#7

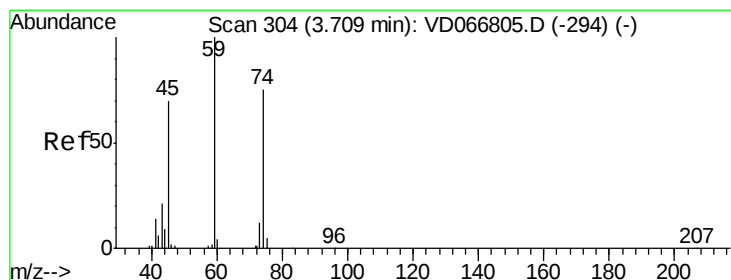
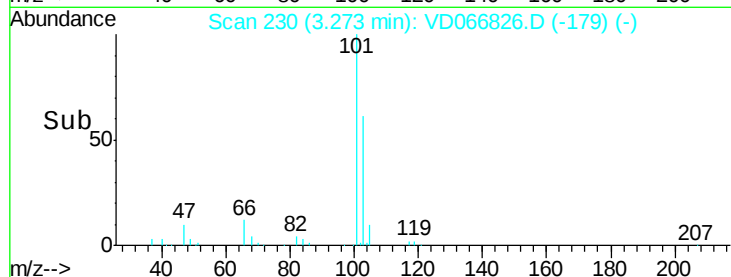
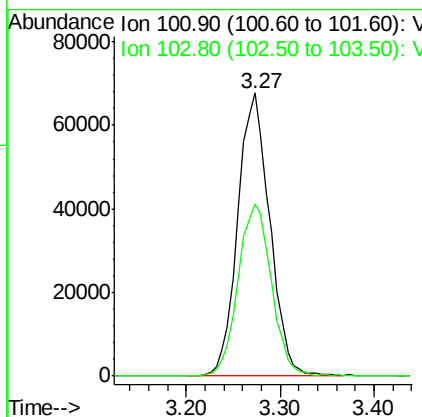
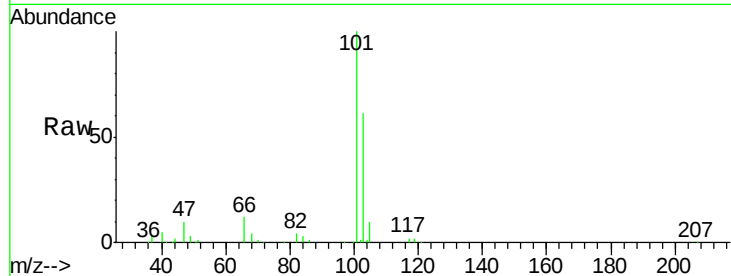
Trichlorofluoromethane
 Concen: 21.396 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD066826.D
 Acq: 23 Sep 2020 11:22

Instrument :
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 VD0923SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	160395		
103	60.9	51.0	76.6	

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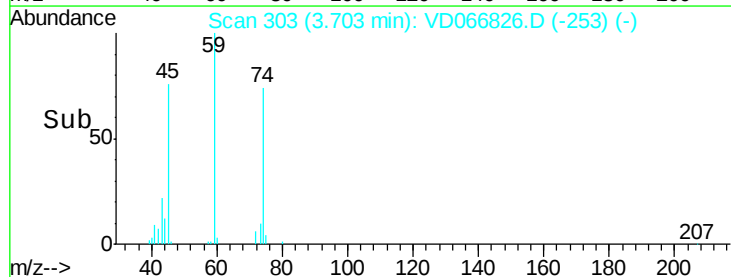
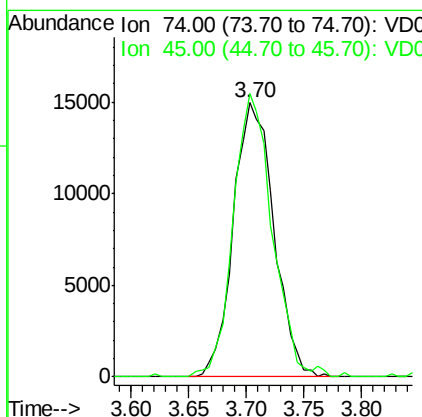
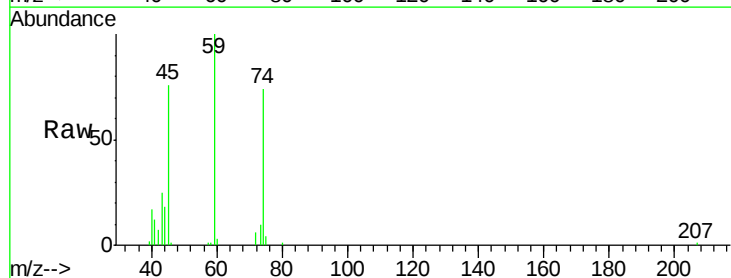
MMDadoda
 9/24/2020 1:36:45 PM

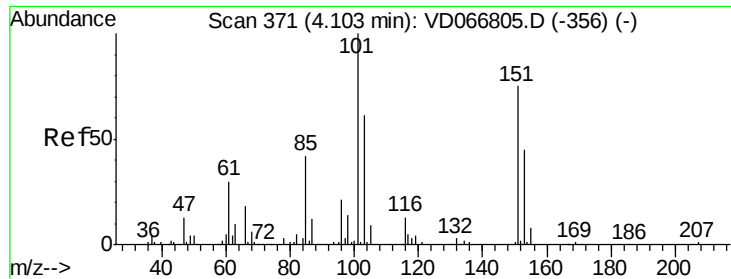


#8

Diethyl Ether
 Concen: 19.126 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD066826.D
 Acq: 23 Sep 2020 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	36399		
45	99.8	46.0	138.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.660 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.01 min

Lab File: VD066826.D

Acq: 23 Sep 2020 11:22

Instrument :

MSVOA_D

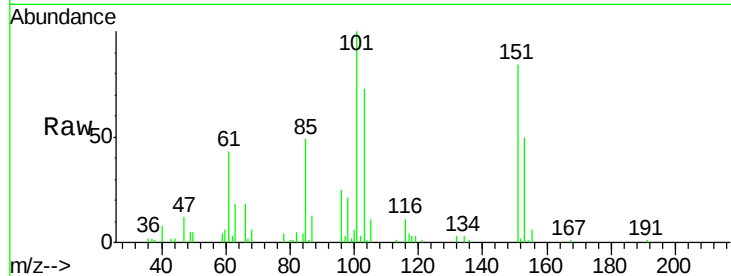
ClientSampleId :

VD0923SBS01

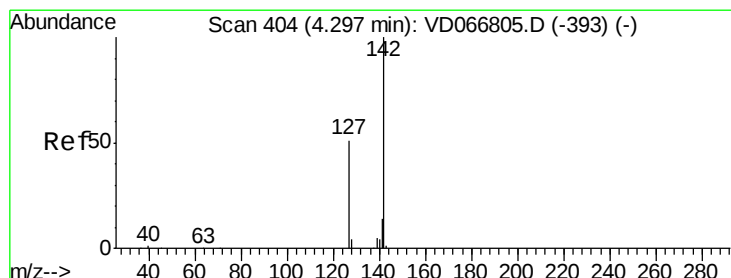
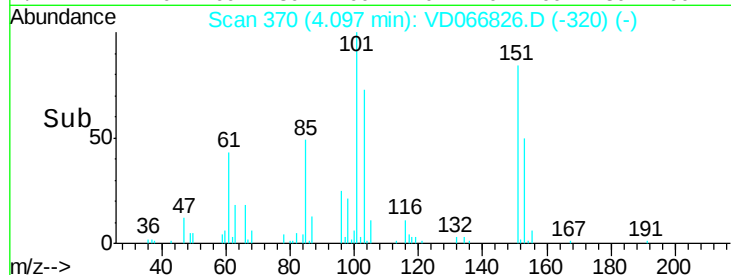
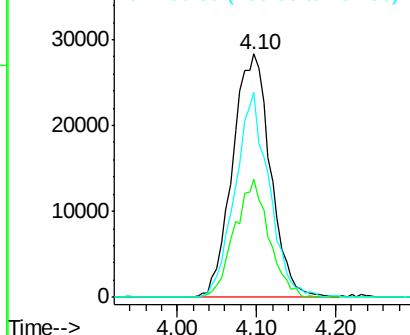
Tot Ion:	101	Resp:	94153
Ion Ratio	Lower	Upper	
101	100		
85	43.7	35.4	53.2
151	75.5	61.4	92.0

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



#10

Methyl Iodide

Concen: 23.811 ug/l

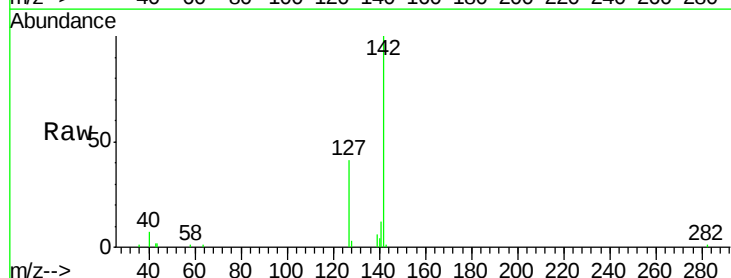
RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

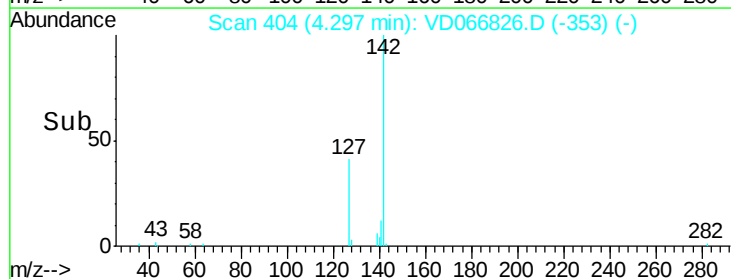
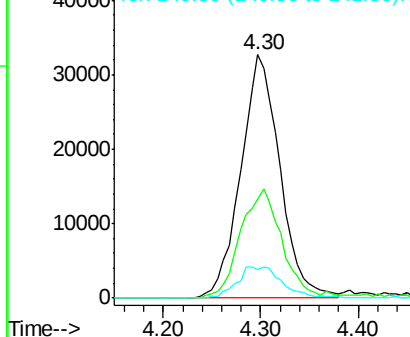
Lab File: VD066826.D

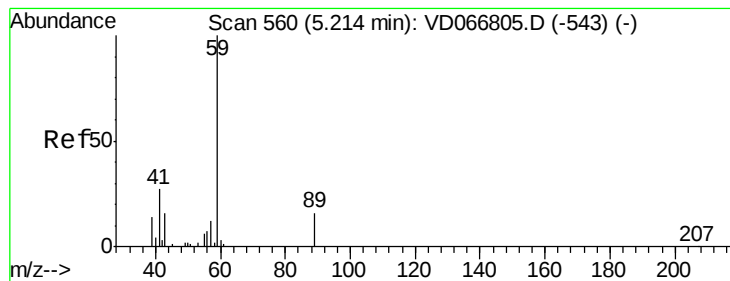
Acq: 23 Sep 2020 11:22

Tgt Ion:	142	Resp:	91335
Ion Ratio	Lower	Upper	
142	100		
127	47.0	39.4	59.0
141	14.8	12.1	18.1



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





#11

Tert butyl alcohol

Concen: 47.515 ug/l

RT: 5.21 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD066826.D

Acq: 23 Sep 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

Tot Ion: 59 Resp: 20505

Ion Ratio Lower Upper

59 100

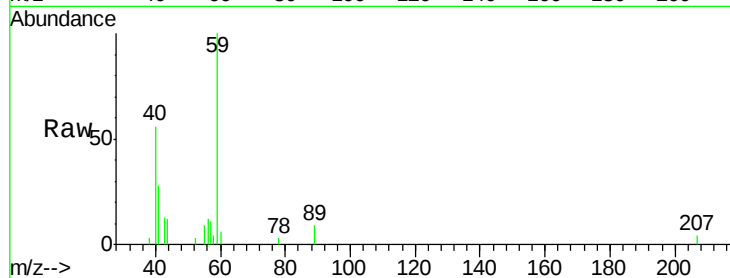
57 7.0 8.3 12.5#

Manual Integrations

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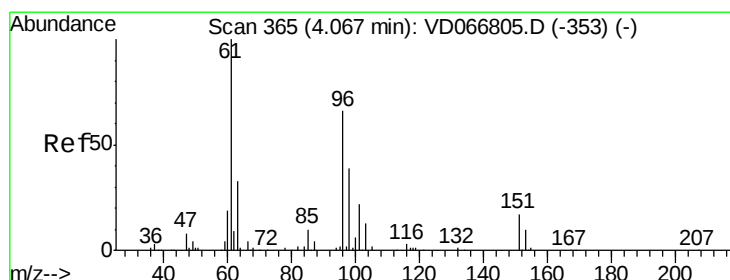
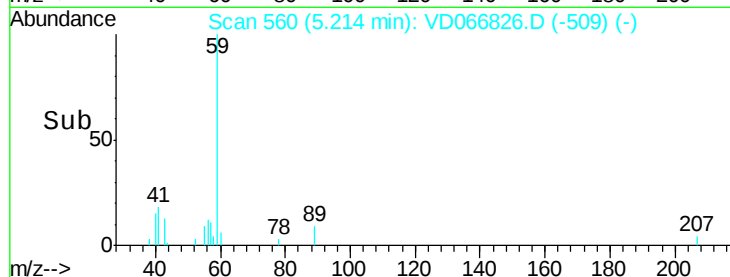
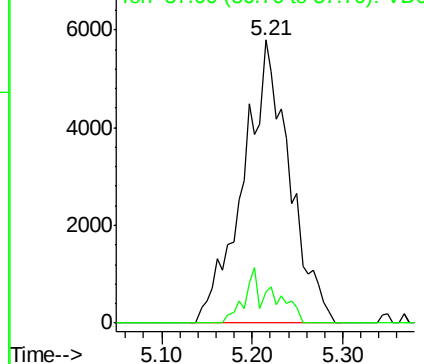
MMDadoda

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Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 20.488 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.01 min

Lab File: VD066826.D

Acq: 23 Sep 2020 11:22

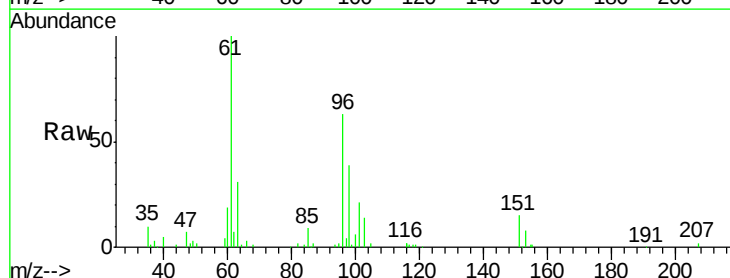
Tgt Ion: 96 Resp: 80676

Ion Ratio Lower Upper

96 100

61 159.6 120.8 181.2

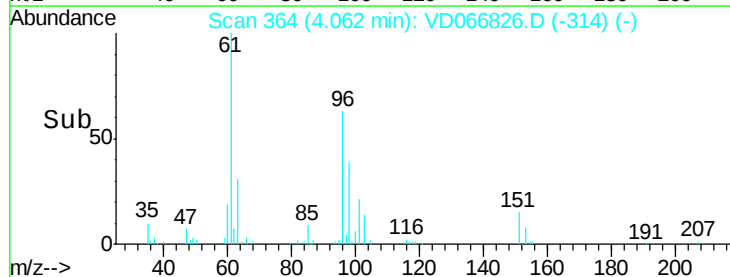
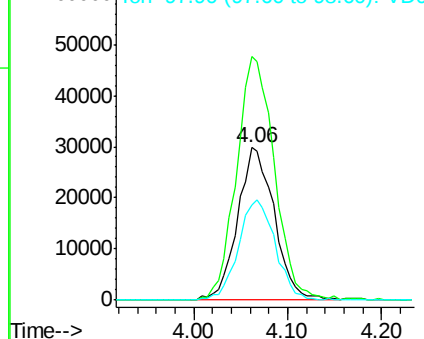
98 62.4 47.7 71.5

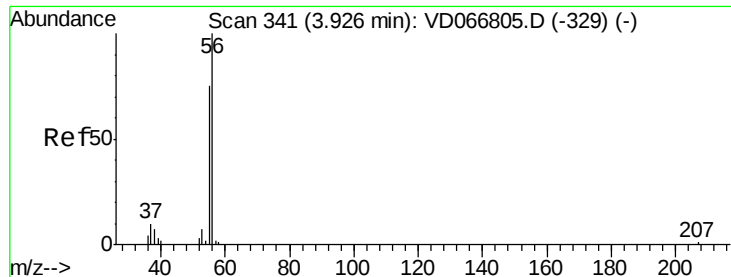


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 97.456 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD066826.D

Acq: 23 Sep 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

Tot Ion: 56 Resp: 28296

Ion Ratio Lower Upper

56 100

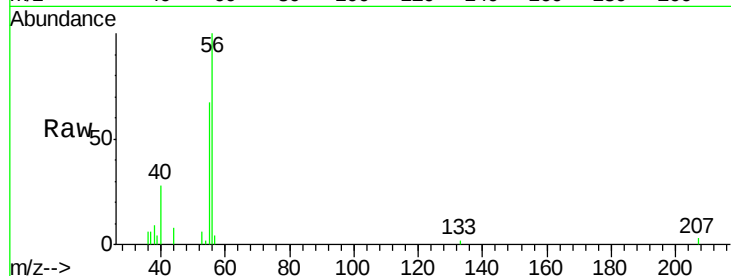
55 68.1 60.3 90.5

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

12000

10000

8000

6000

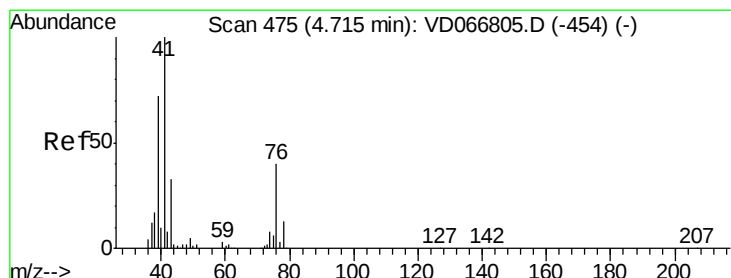
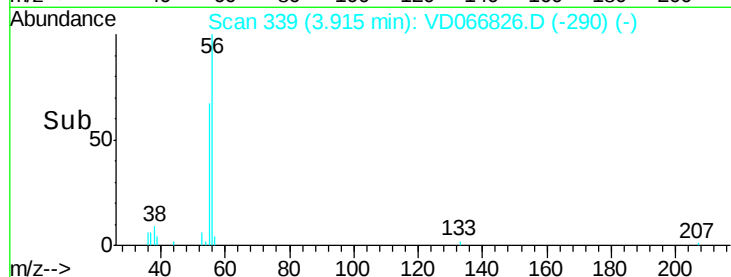
4000

2000

0

3.85 3.90 3.95 4.00

Time-->



#14

Allyl chloride

Concen: 20.369 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD066826.D

Acq: 23 Sep 2020 11:22

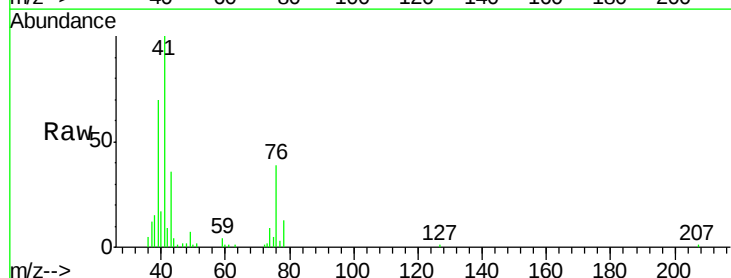
Tgt Ion: 41 Resp: 117774

Ion Ratio Lower Upper

41 100

39 72.5 57.8 86.8

76 40.9 30.9 46.3



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

50000

40000

30000

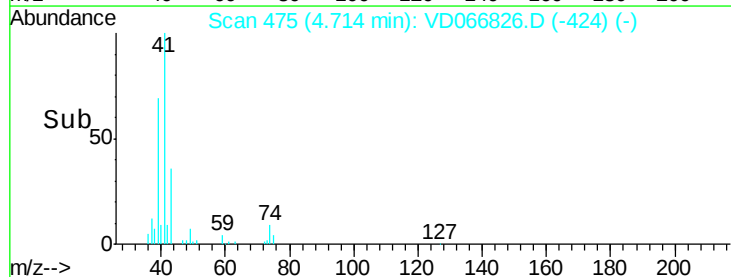
20000

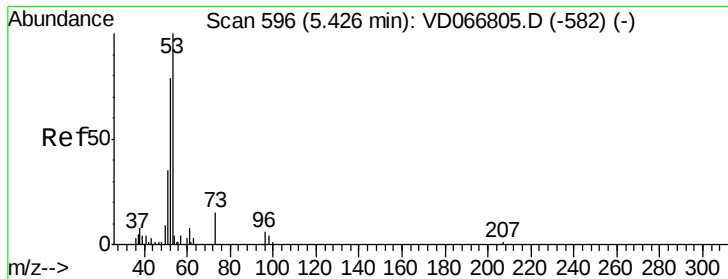
10000

0

4.50 4.60 4.70 4.80

Time-->





#15

Acrylonitrile

Concen: 96.088 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD066826.D

Acq: 23 Sep 2020 11:22

Instrument :

MSVOA_D

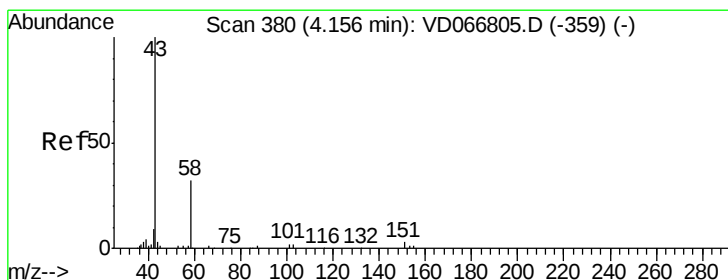
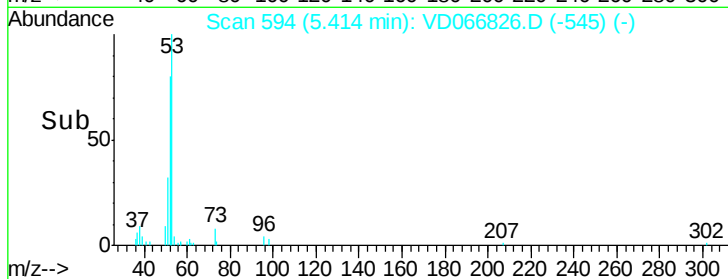
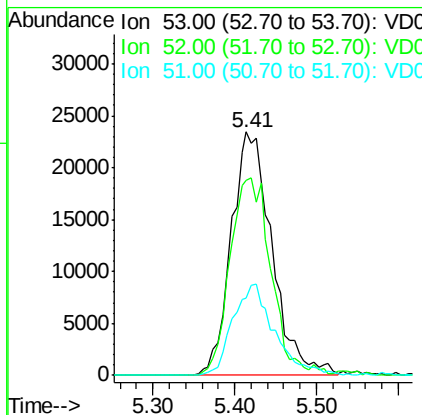
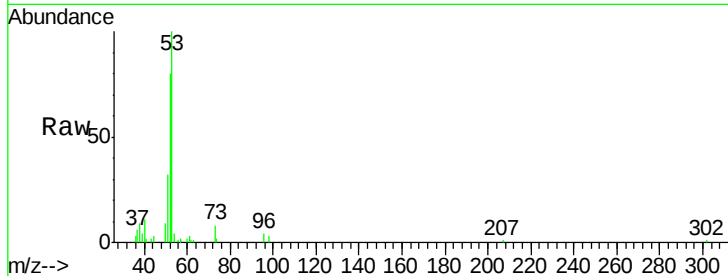
ClientSampleId :

VD0923SBS01

Tot Ion:	53	Resp:	81039
Ion	Ratio	Lower	Upper
53	100		
52	80.7	65.2	97.8
51	38.4	30.6	46.0

Manual Integrations
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#16

Acetone

Concen: 80.338 ug/l

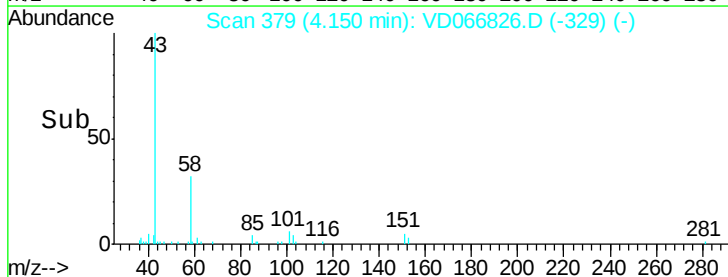
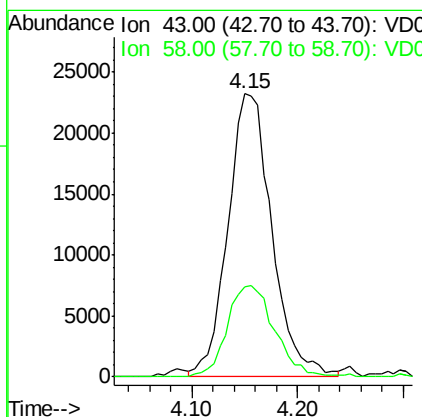
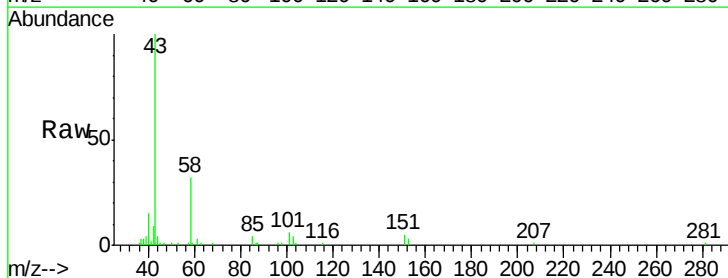
RT: 4.15 min Scan# 379

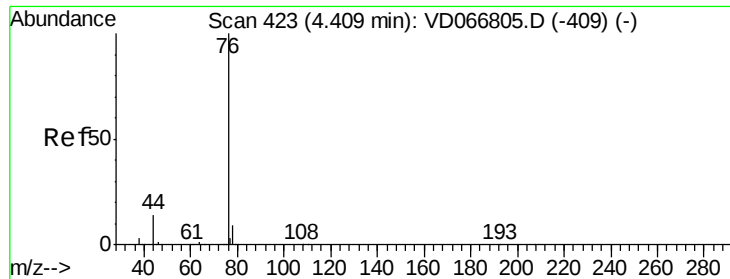
Delta R.T. -0.01 min

Lab File: VD066826.D

Acq: 23 Sep 2020 11:22

Tgt Ion:	43	Resp:	67076
Ion	Ratio	Lower	Upper
43	100		
58	32.2	25.6	38.4





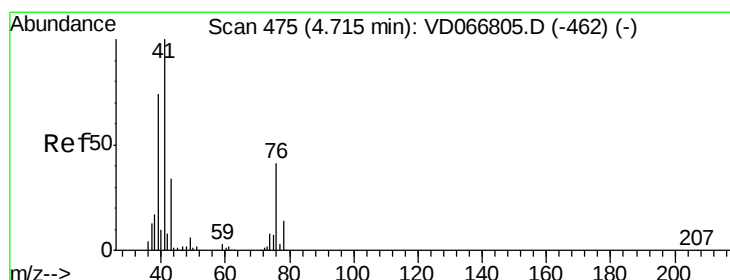
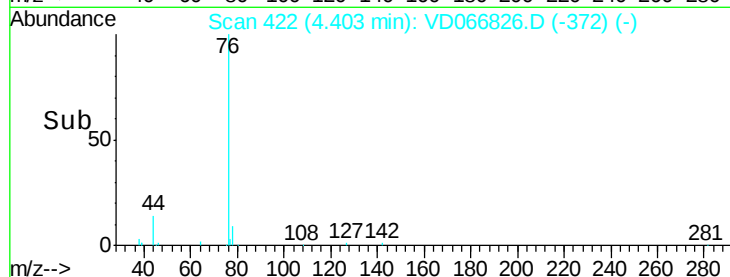
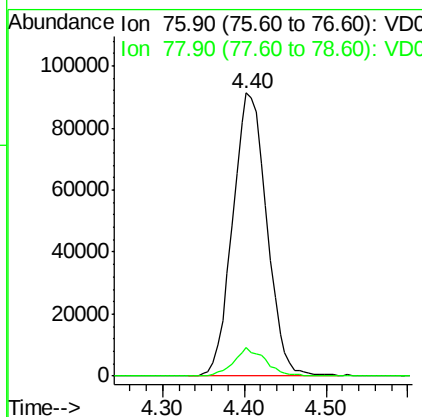
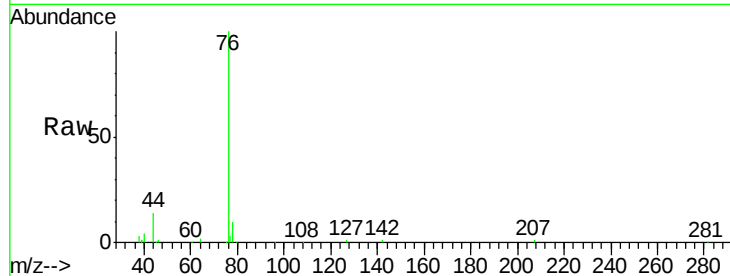
#17
Carbon Disulfide
Concen: 21.978 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD066826.D
Acq: 23 Sep 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.0	7.6	11.4

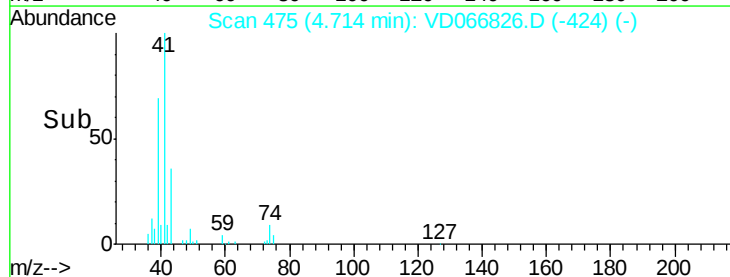
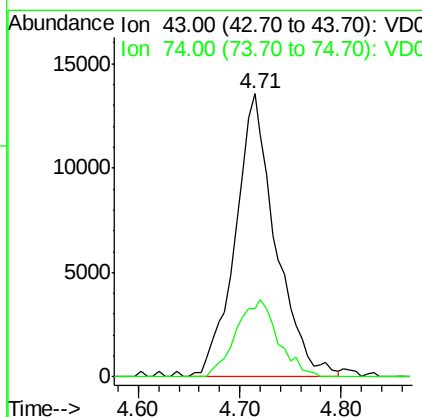
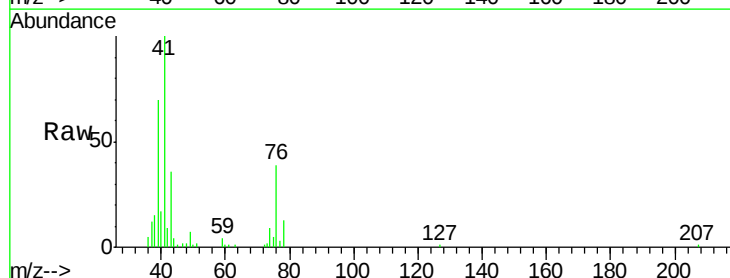
Manual Integrations
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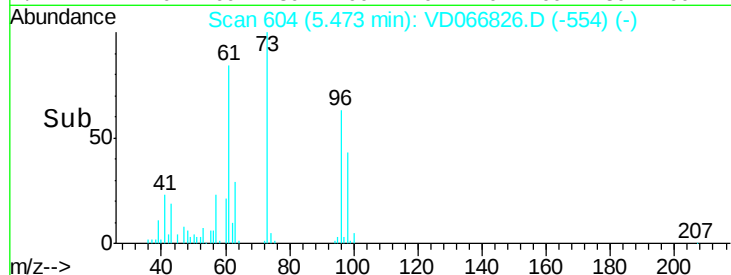
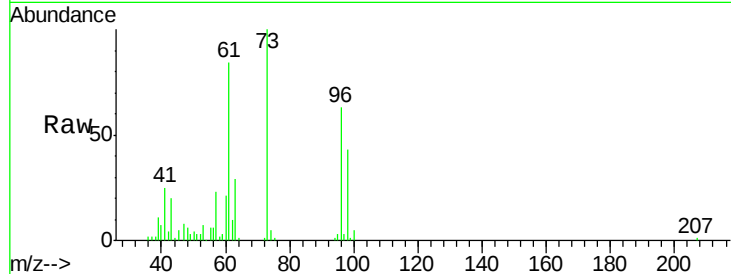
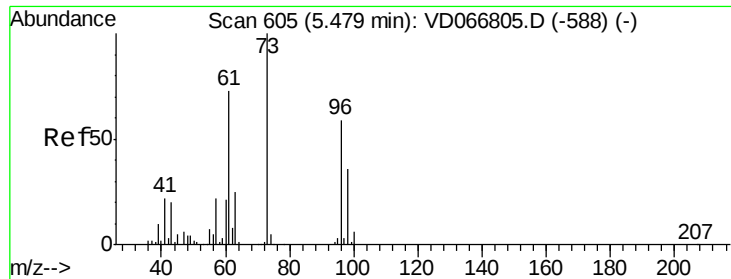
MMDadoda
9/24/2020 1:36:45 PM



#18
Methyl Acetate
Concen: 17.808 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD066826.D
Acq: 23 Sep 2020 11:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.2	20.3	30.5





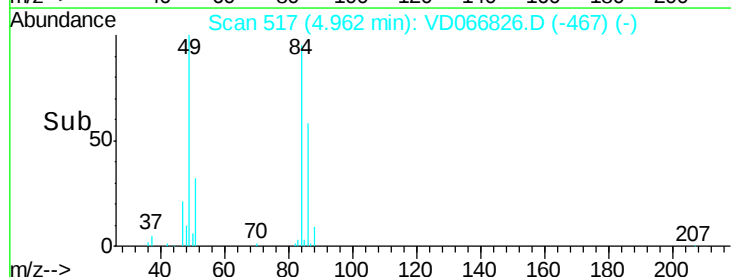
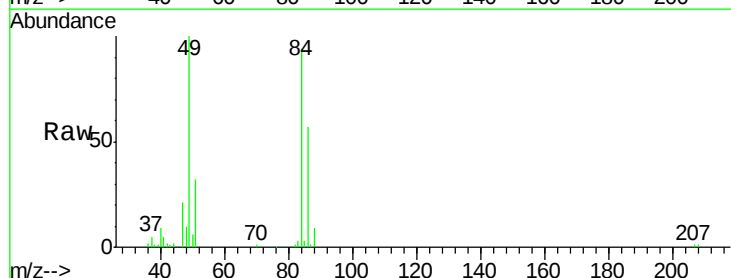
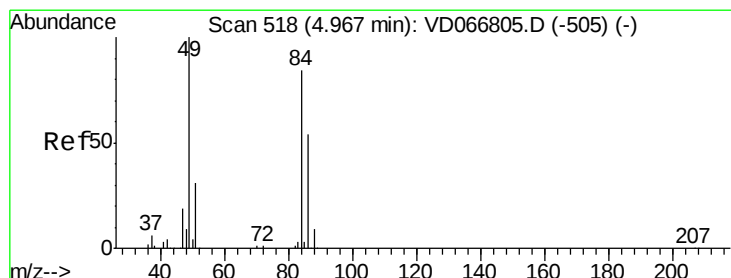
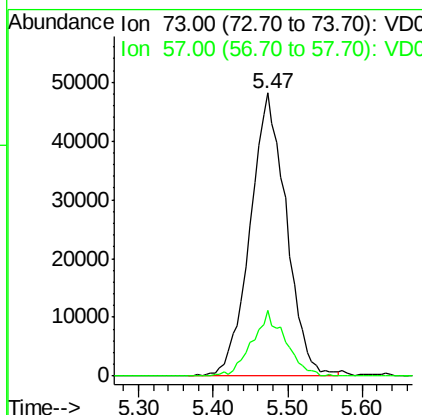
#19
Methyl tert-butyl Ether
Concen: 18.953 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD066826.D
Acq: 23 Sep 2020 11:22

Tot Ion: 73 Resp: 162072
Ion Ratio Lower Upper
73 100
57 23.5 17.4 26.2

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

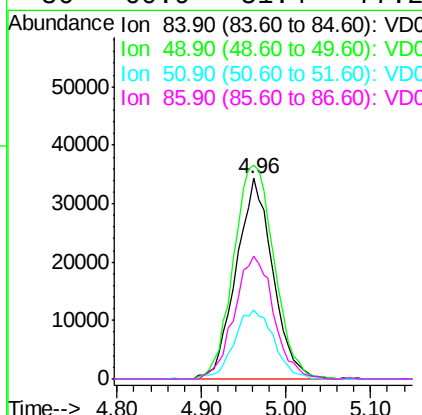
Manual Integrations
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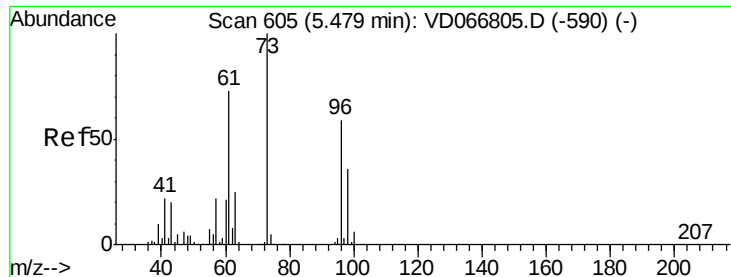
MMDadoda
9/24/2020 1:36:45 PM



#20
Methylene Chloride
Concen: 19.444 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066826.D
Acq: 23 Sep 2020 11:22

Tgt Ion: 84 Resp: 103647
Ion Ratio Lower Upper
84 100
49 106.3 95.4 143.2
51 34.2 29.7 44.5
86 60.9 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 21.265 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD066826.D

Acq: 23 Sep 2020 11:22

Instrument :

MSVOA_D

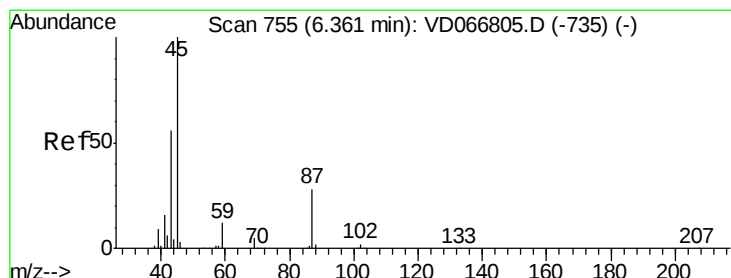
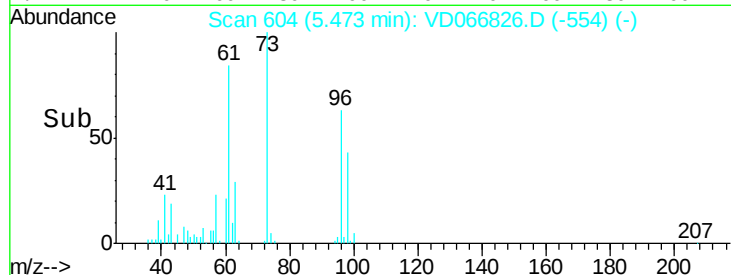
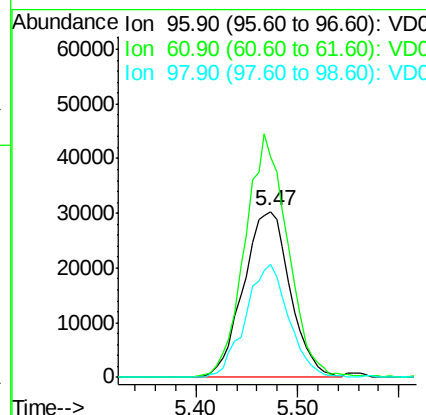
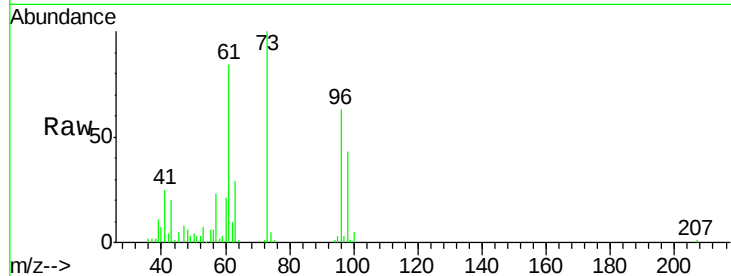
ClientSampleId :

VD0923SBS01

Tot Ion:	96	Resp:	96958
Ion	Ratio	Lower	Upper
96	100		
61	132.6	98.9	148.3
98	68.5	48.4	72.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.889 ug/l

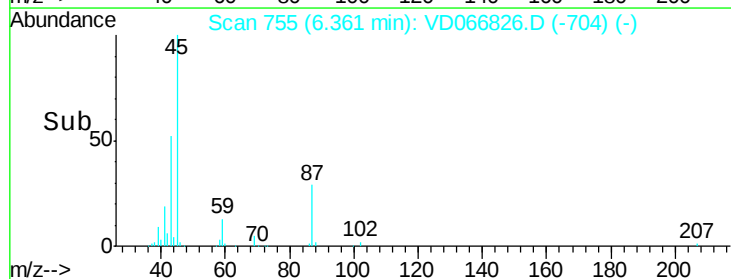
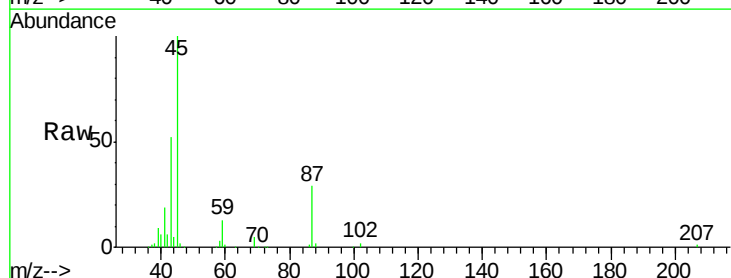
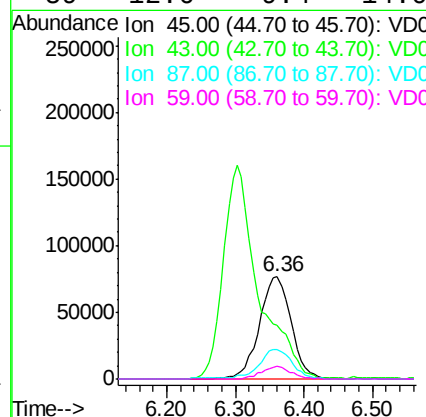
RT: 6.36 min Scan# 755

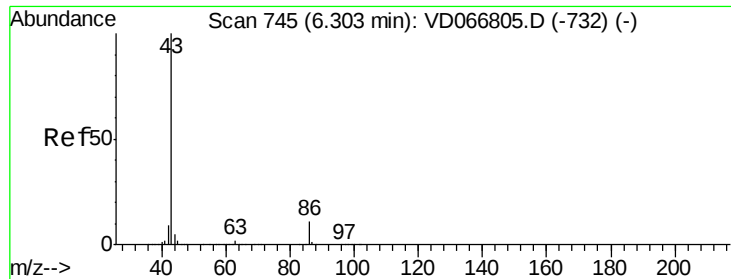
Delta R.T. -0.00 min

Lab File: VD066826.D

Acq: 23 Sep 2020 11:22

Tgt Ion:	45	Resp:	248338
Ion	Ratio	Lower	Upper
45	100		
43	51.3	44.5	66.7
87	29.5	22.9	34.3
59	12.6	9.4	14.0





#23

Vinyl Acetate

Concen: 89.636 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066826.D

Acq: 23 Sep 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

Tot Ion: 43 Resp: 567394

Ion Ratio Lower Upper

43 100

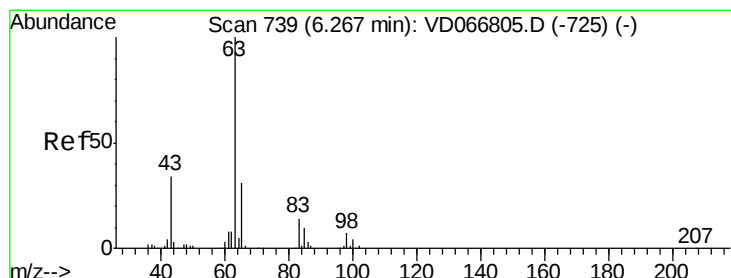
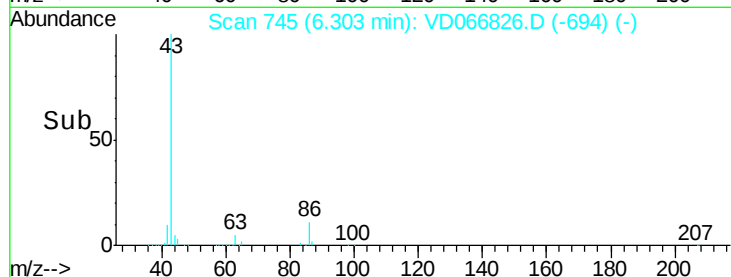
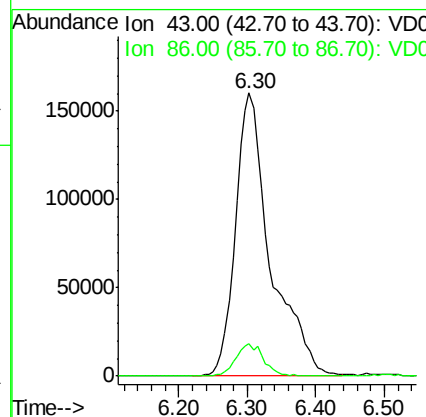
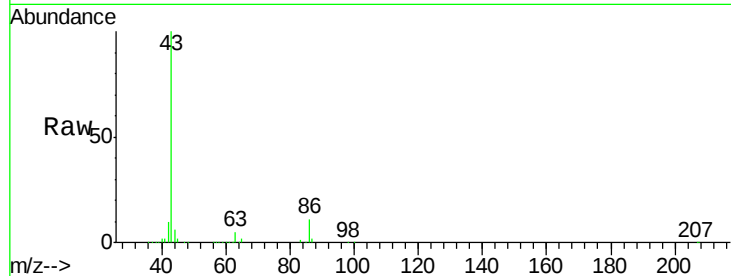
86 11.4 8.9 13.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.047 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD066826.D

Acq: 23 Sep 2020 11:22

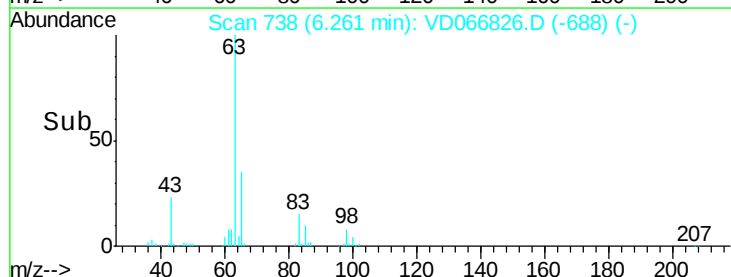
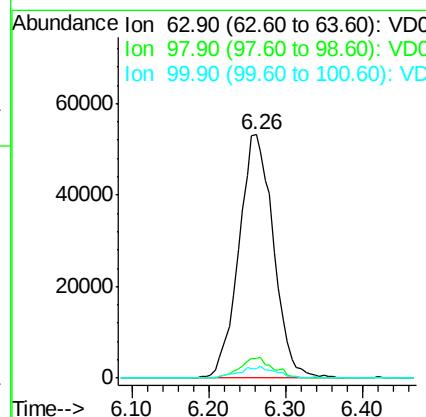
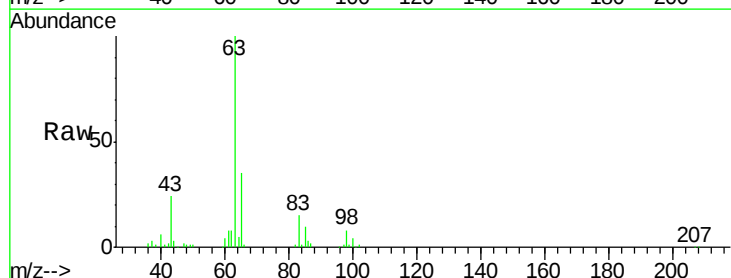
Tgt Ion: 63 Resp: 167395

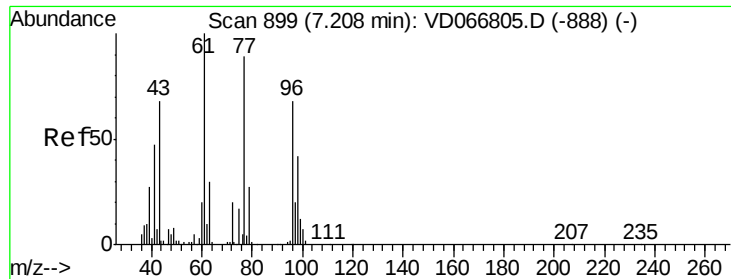
Ion Ratio Lower Upper

63 100

98 8.1 3.7 11.1

100 4.0 1.8 5.5





#25

2-Butanone

Concen: 85.430 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066826.D

Acq: 23 Sep 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

Tot Ion: 43 Resp: 85717

Ion Ratio Lower Upper

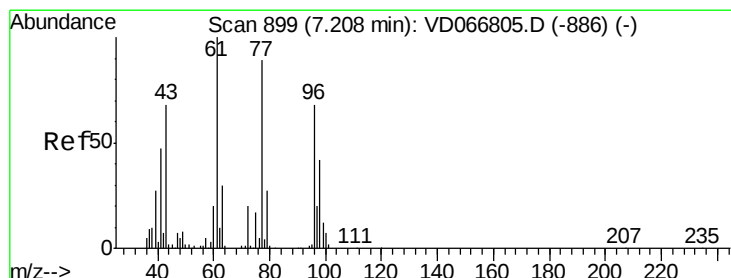
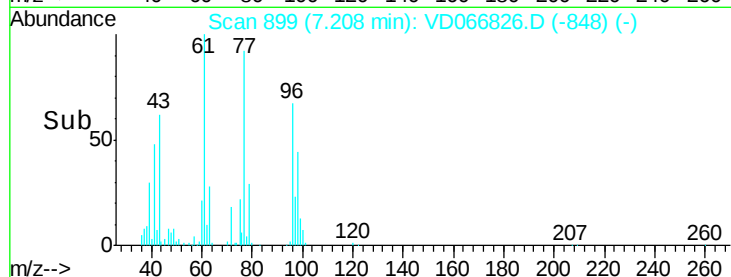
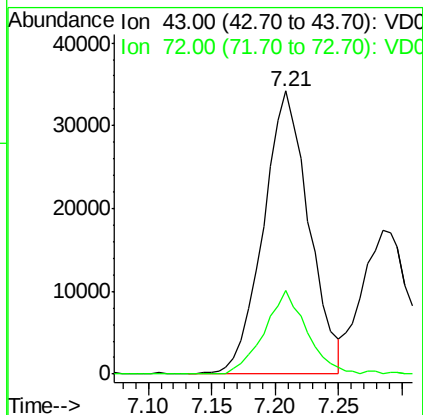
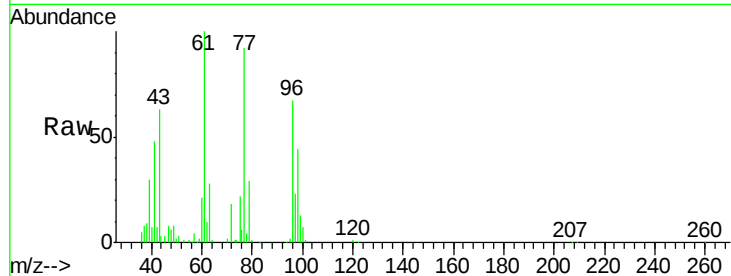
43 100

72 29.4 22.9 34.3

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 20.624 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066826.D

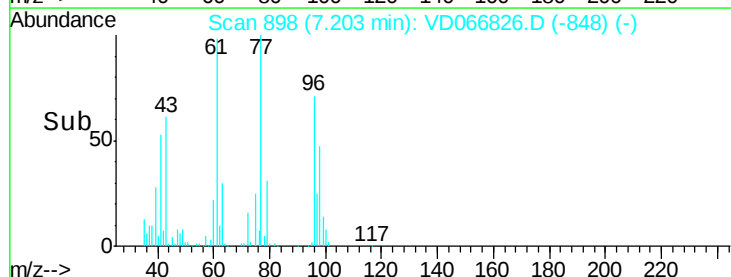
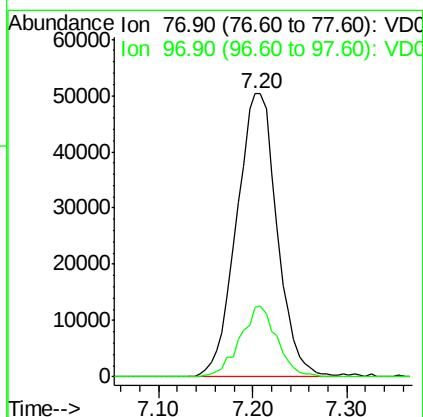
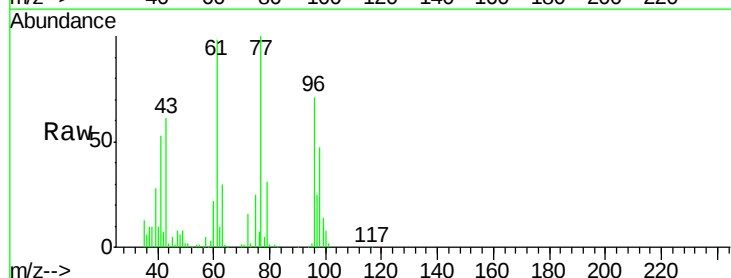
Acq: 23 Sep 2020 11:22

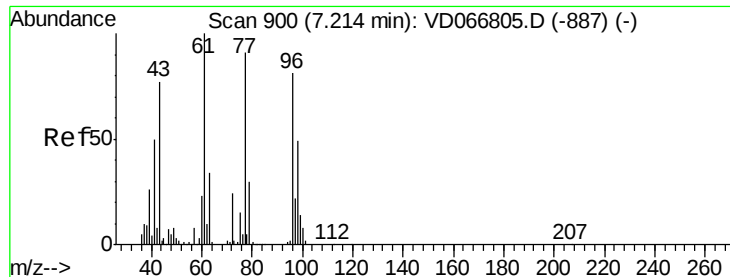
Tgt Ion: 77 Resp: 150344

Ion Ratio Lower Upper

77 100

97 23.0 11.7 35.1





#27

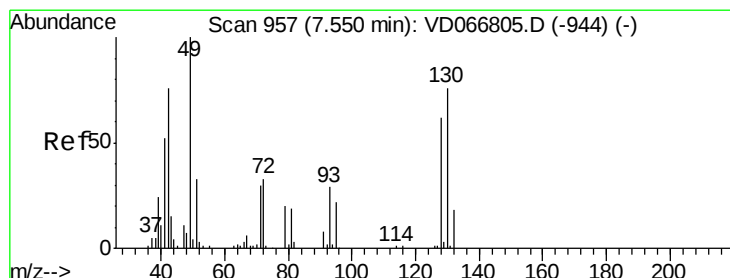
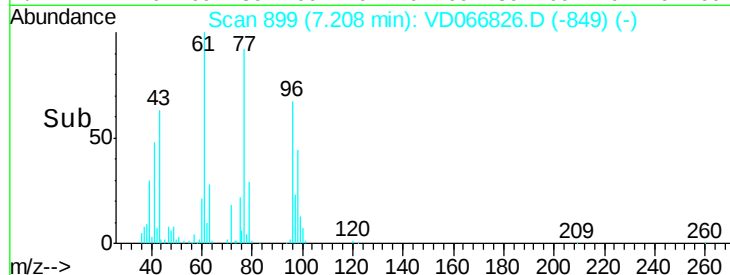
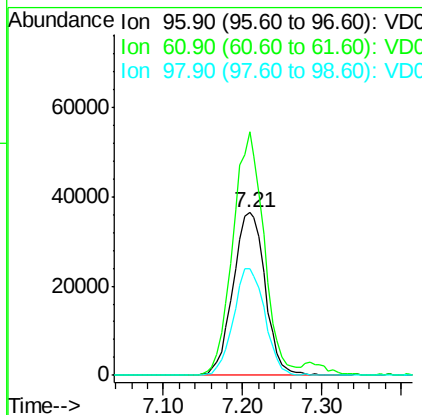
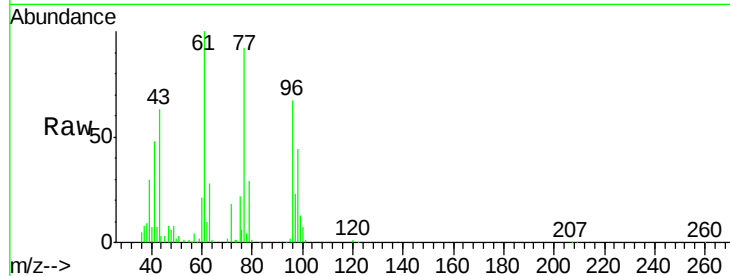
cis-1,2-Dichloroethene
Concen: 20.694 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD066826.D
Acq: 23 Sep 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	102514		
61	144.2	0.0	283.8	
98	63.6	0.0	128.4	

Manual Integrations
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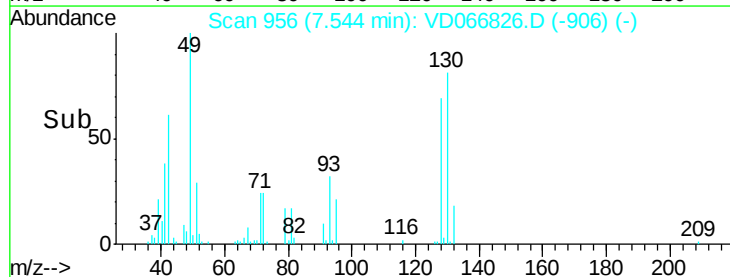
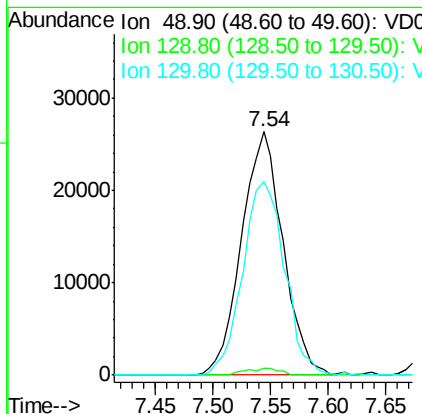
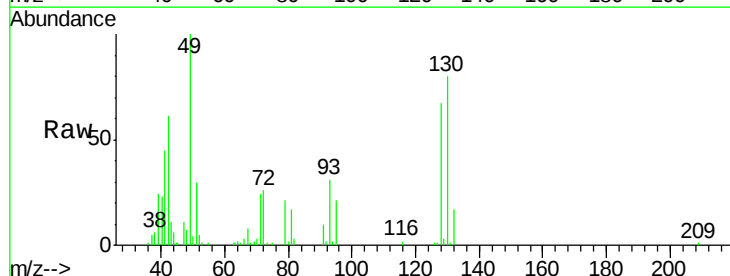
MMDadoda
9/24/2020 1:36:45 PM

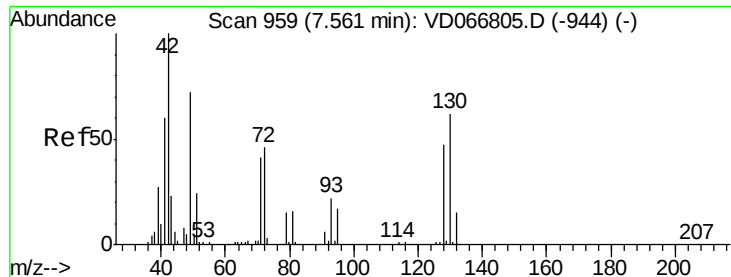


#28

Bromochloromethane
Concen: 20.042 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD066826.D
Acq: 23 Sep 2020 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	65851		
129	2.3	0.0	2.0#	
130	80.7	65.9	98.9	





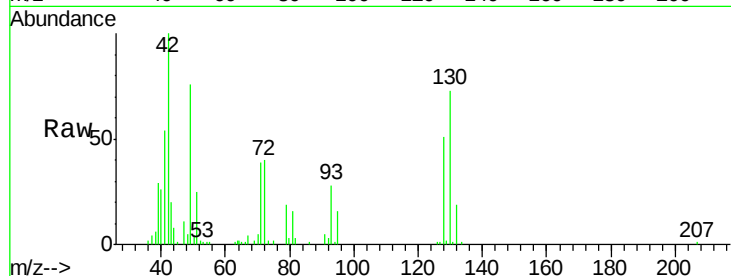
#29
Tetrahydrofuran
Concen: 97.024 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066826.D
Acq: 23 Sep 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

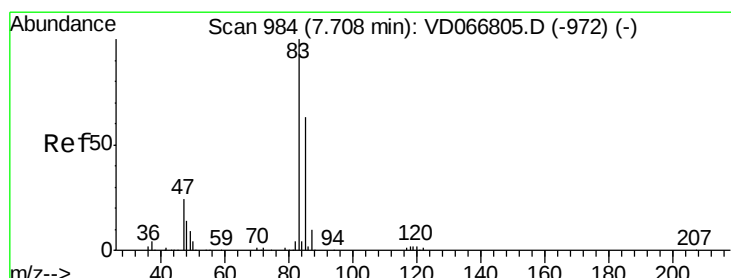
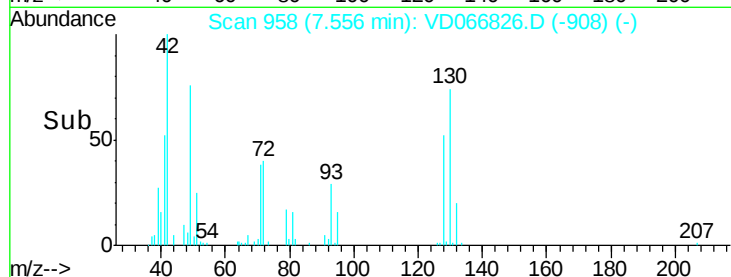
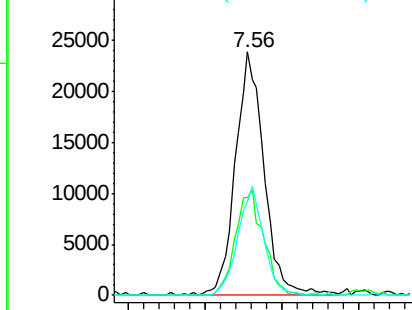
Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	36.2	54.4
71	40.4	32.4	48.6

Manual Integrations
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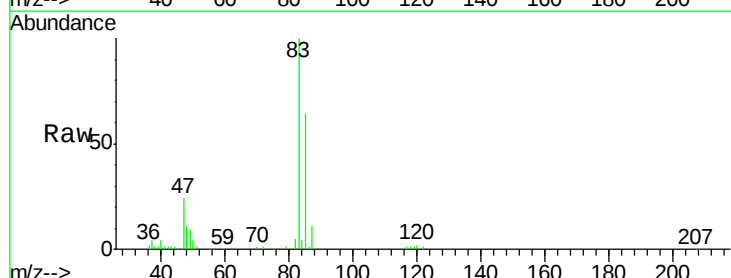


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

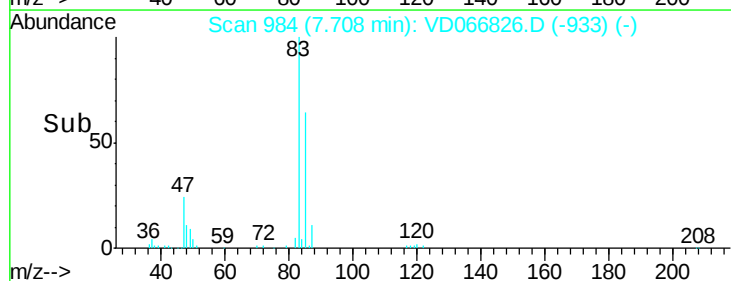
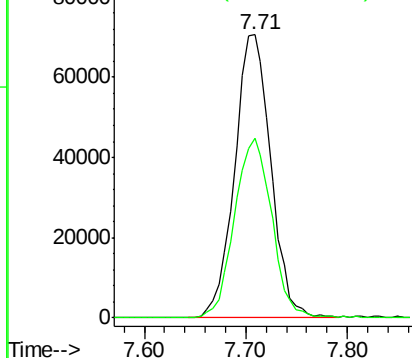


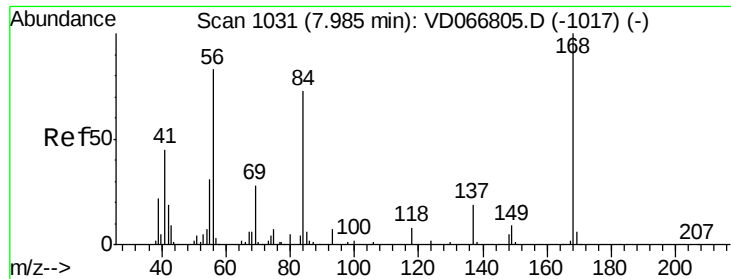
#30
Chloroform
Concen: 20.471 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.00 min
Lab File: VD066826.D
Acq: 23 Sep 2020 11:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.6	75.8



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





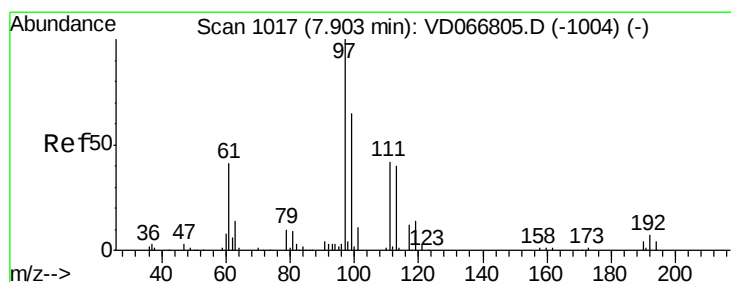
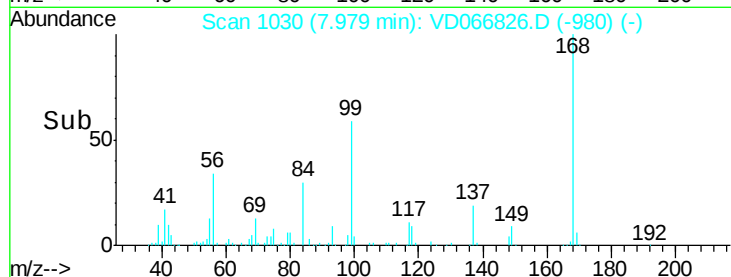
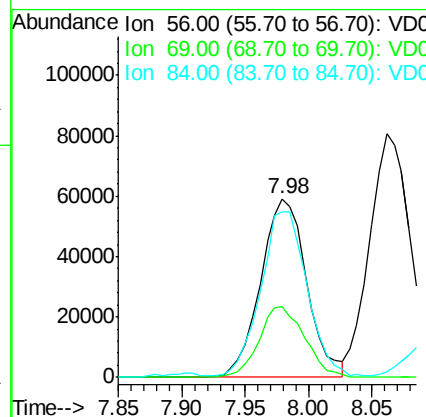
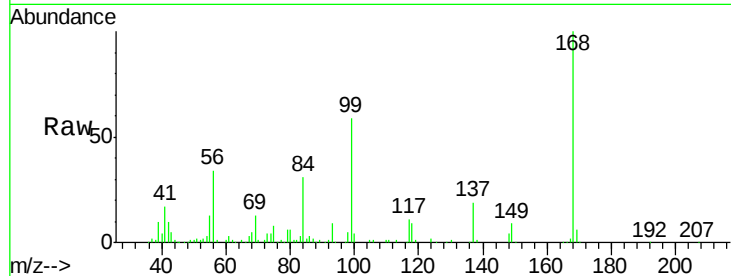
#31
Cyclohexane
Concen: 20.943 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066826.D
Acq: 23 Sep 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.9	27.0	40.4
84	90.5	70.2	105.4

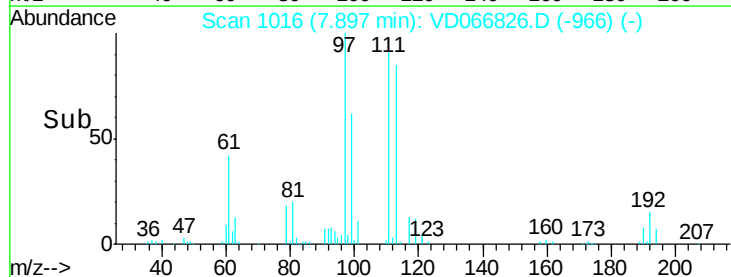
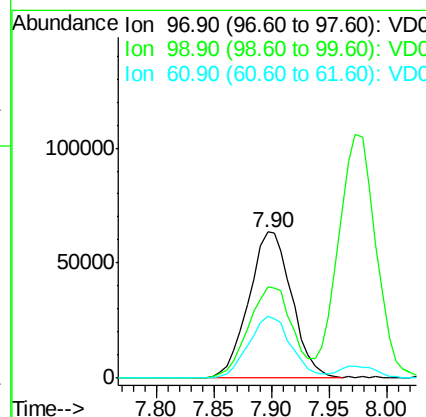
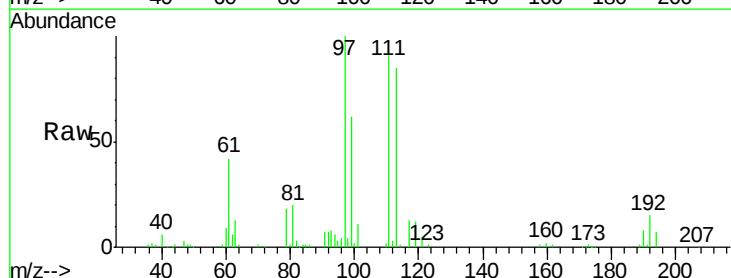
Manual Integrations
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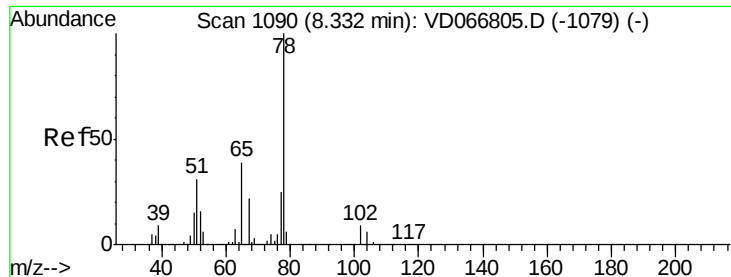
MMDadoda
9/24/2020 1:36:45 PM



#32
1,1,1-Trichloroethane
Concen: 21.257 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VD066826.D
Acq: 23 Sep 2020 11:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.5	77.3
61	42.2	34.2	51.4





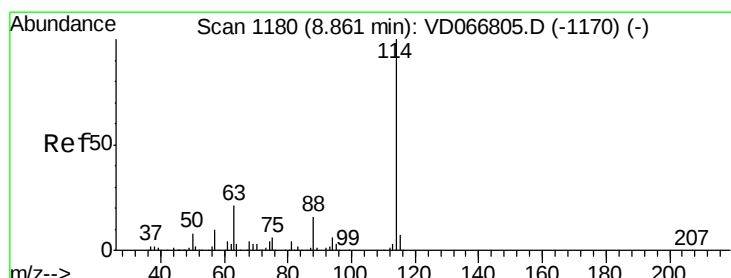
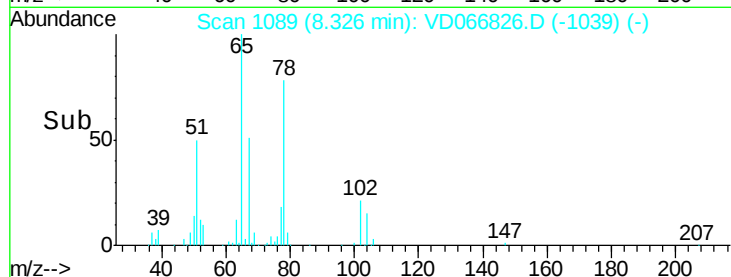
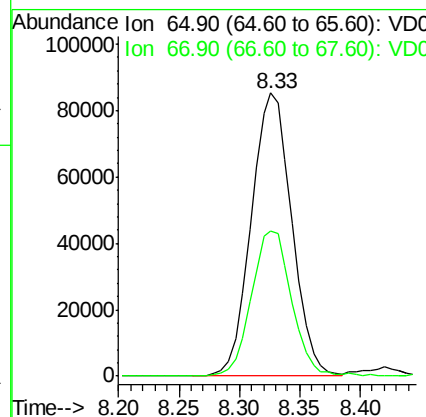
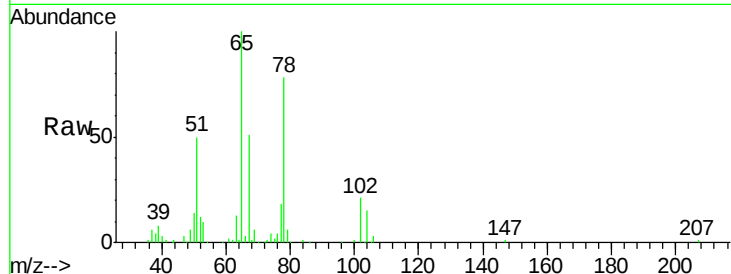
#33
 1,2-Dichloroethane-d4
 Concen: 50.734 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066826.D
 Acq: 23 Sep 2020 11:22

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0923SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	199682		
67	50.5	0.0	107.2	

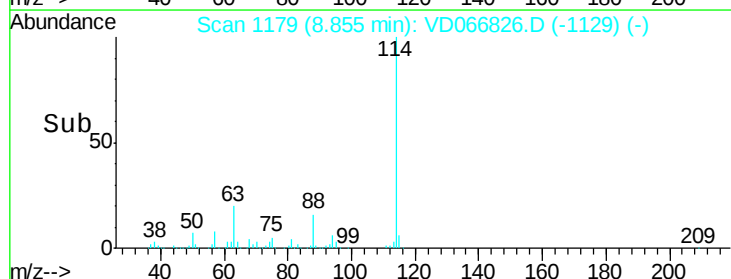
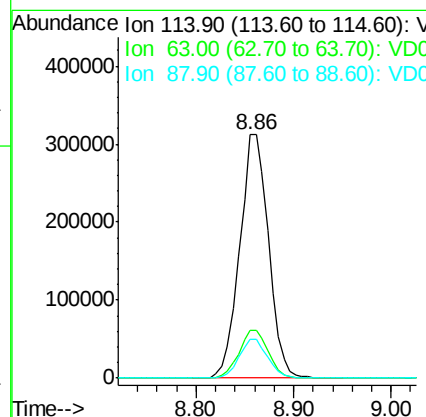
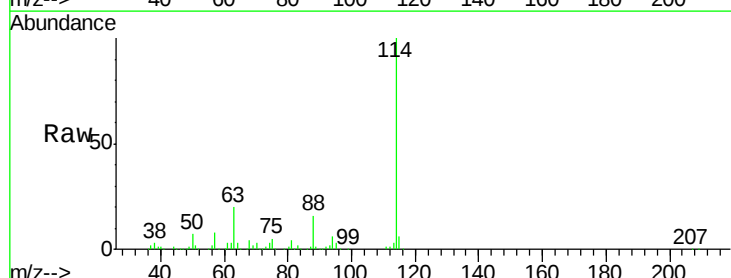
Manual Integrations
 APPROVED

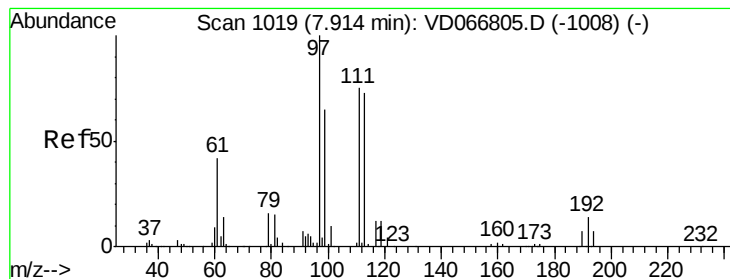
MMDadoda
 9/24/2020 1:36:45 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VD066826.D
 Acq: 23 Sep 2020 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	644176		
63	19.5	0.0	42.6	
88	16.1	0.0	32.6	





#35

Dibromofluoromethane

Concen: 49.529 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD066826.D

Acq: 23 Sep 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

Tot Ion:113 Resp: 202982

Ion Ratio Lower Upper

113 100

111 103.4 81.8 122.8

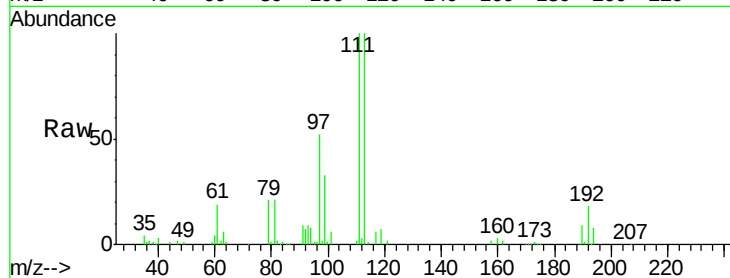
192 18.4 14.4 21.6

Manual Integrations

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MMDadoda

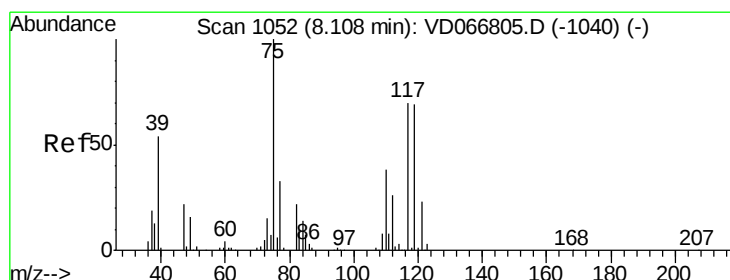
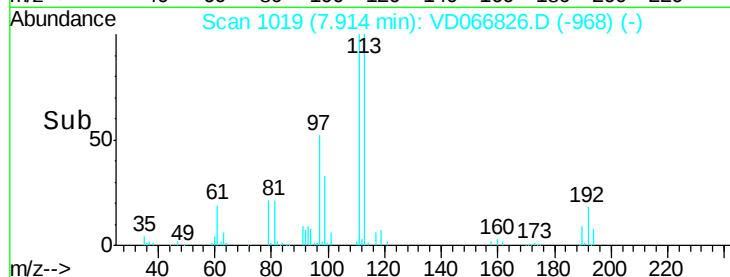
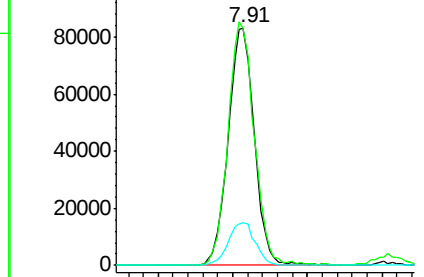
9/24/2020 1:36:45 PM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 21.302 ug/l

RT: 8.11 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VD066826.D

Acq: 23 Sep 2020 11:22

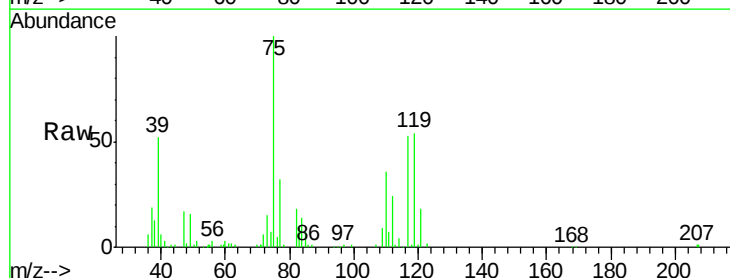
Tgt Ion: 75 Resp: 136135

Ion Ratio Lower Upper

75 100

110 34.5 17.9 53.8

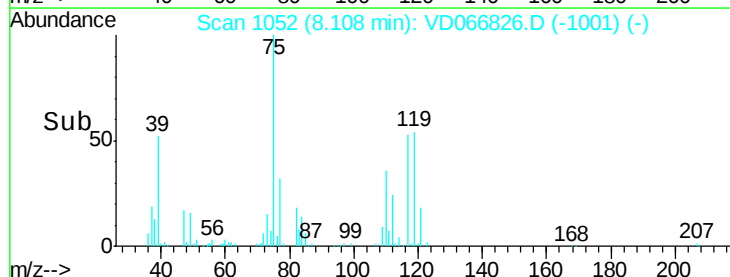
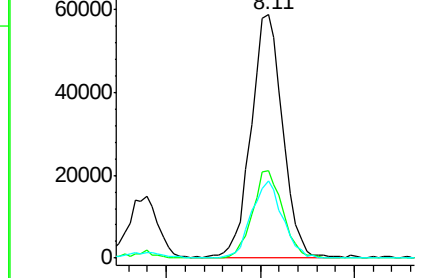
77 31.5 25.0 37.6

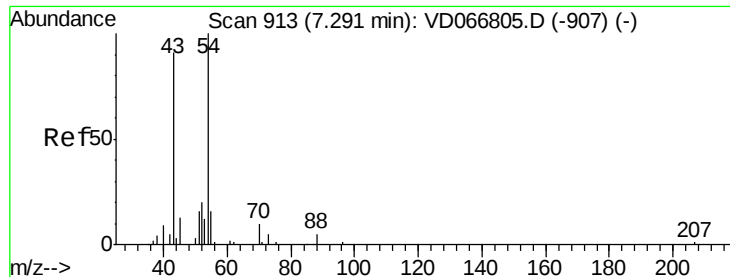


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VDC





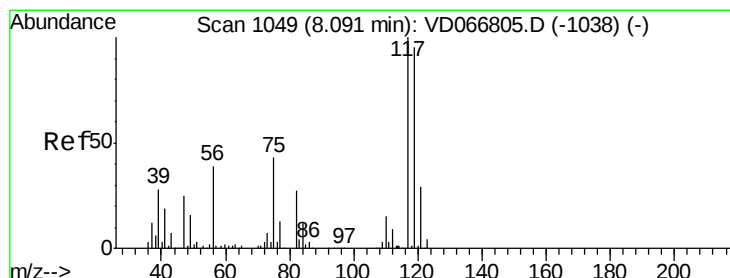
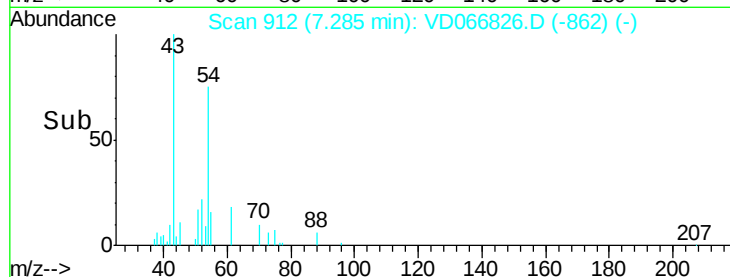
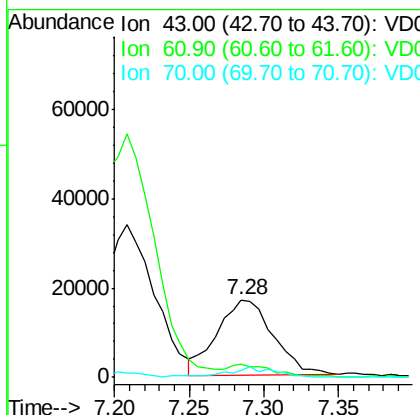
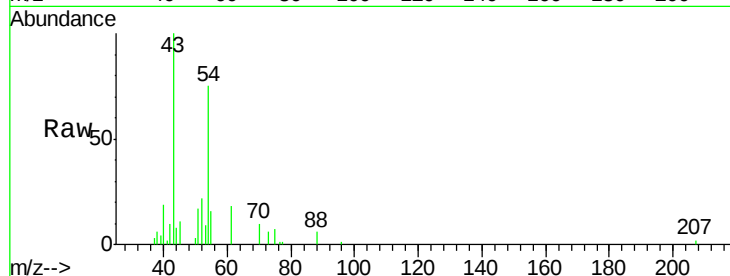
#37
Ethyl Acetate
Concen: 19.042 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066826.D
Acq: 23 Sep 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	9.8	14.8#
70	11.5	8.5	12.7

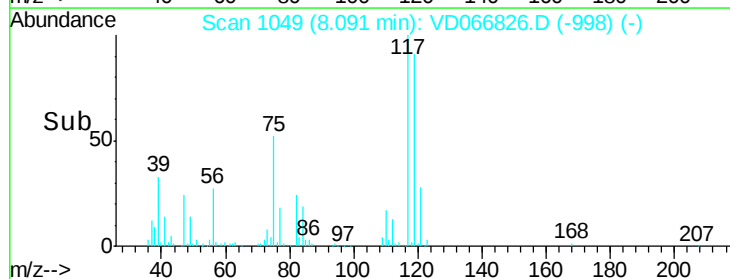
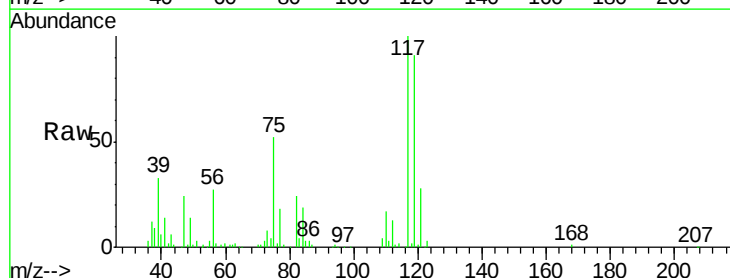
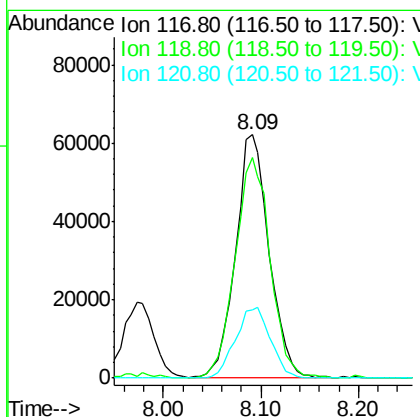
Manual Integrations
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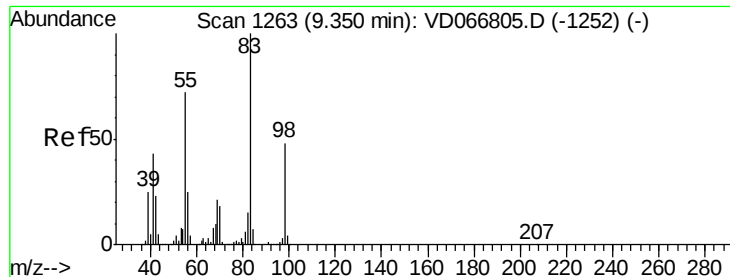
MMDadoda
9/24/2020 1:36:45 PM



#38
Carbon Tetrachloride
Concen: 21.236 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VD066826.D
Acq: 23 Sep 2020 11:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.9	75.8	113.8
121	27.9	23.4	35.0





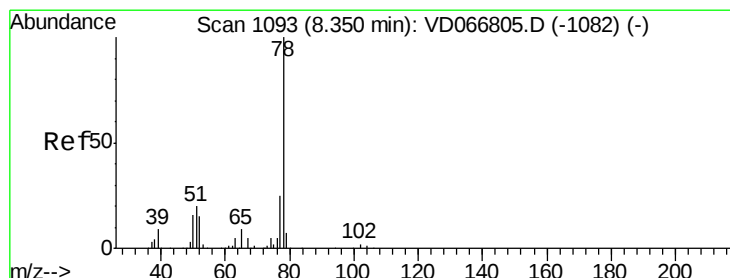
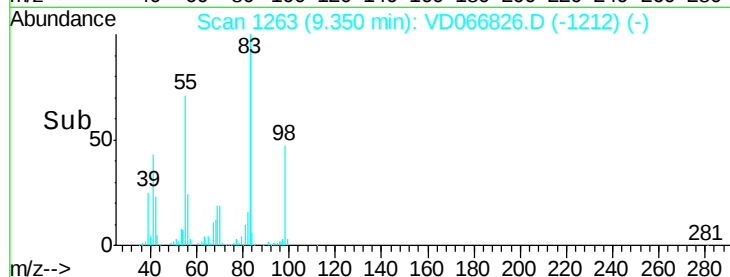
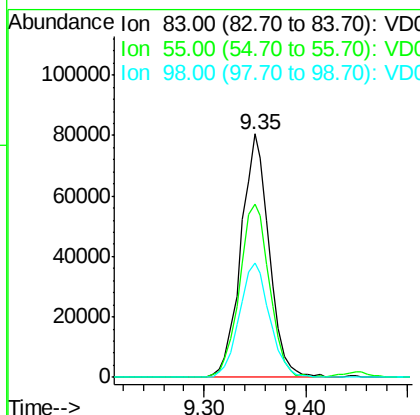
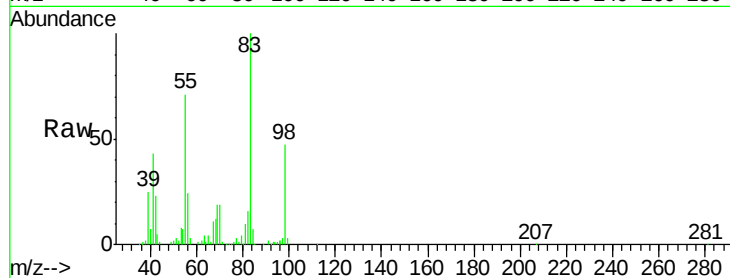
#39
Methvlcvclohexane
Concen: 21.174 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066826.D
Acq: 23 Sep 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.0	57.7	86.5
98	46.8	38.4	57.6

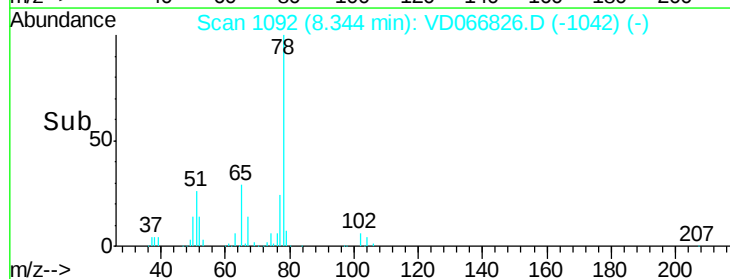
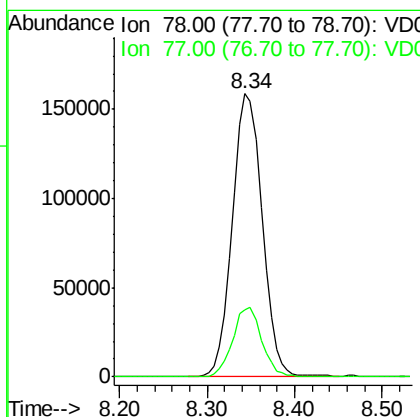
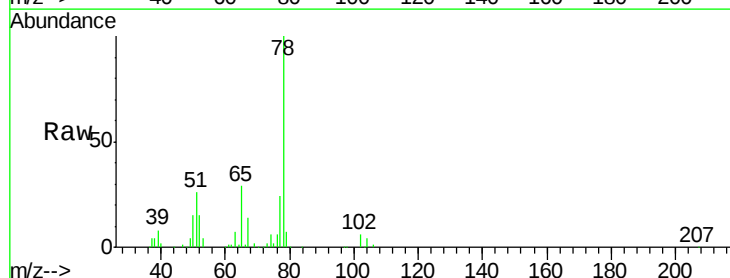
Manual Integrations
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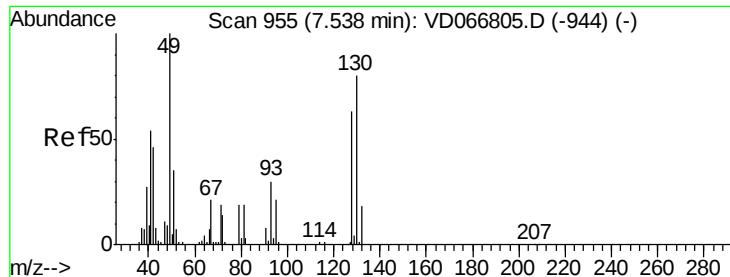
MMDadoda
9/24/2020 1:36:45 PM



#40
Benzene
Concen: 20.666 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VD066826.D
Acq: 23 Sep 2020 11:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.9	29.9





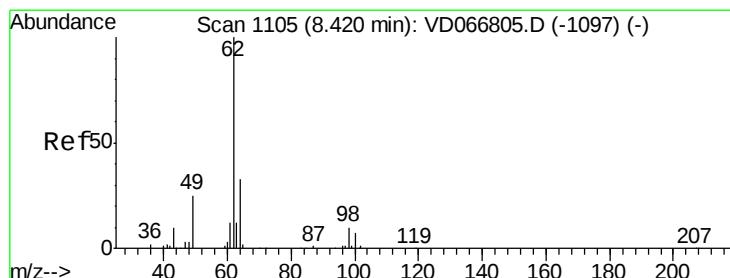
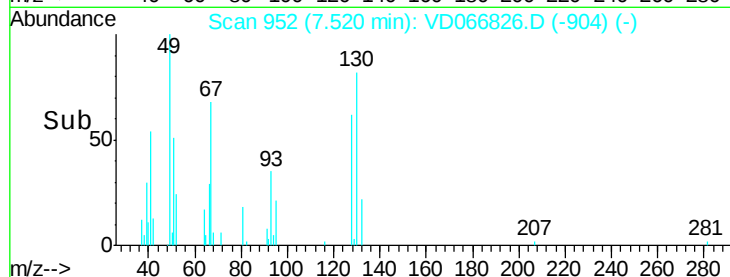
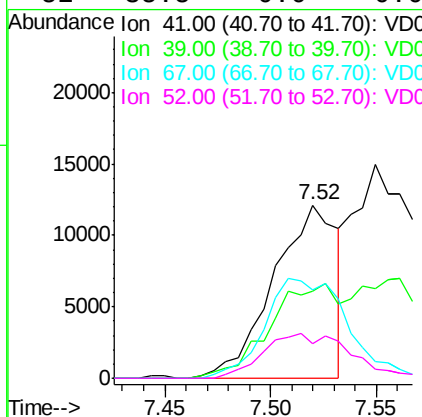
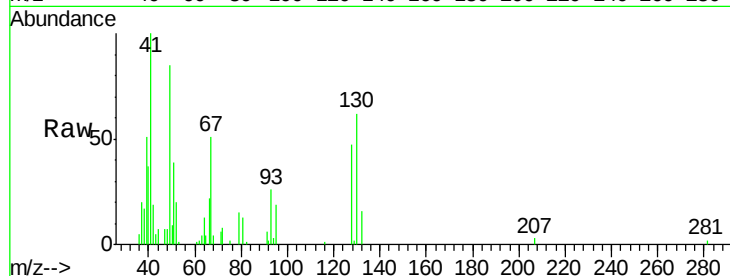
#41
Methacrylonitrile
Concen: 17.890 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.02 min
Lab File: VD066826.D
Acq: 23 Sep 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

Tot Ion	41	Resp	25418
Ion	Ratio	Lower	Upper
41	100		
39	57.7	0.0	0.0#
67	74.4	0.0	0.0#
52	35.5	0.0	0.0#

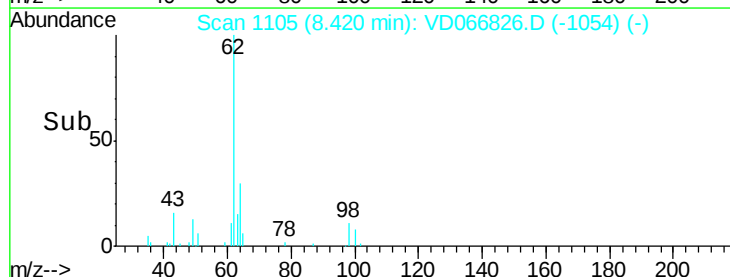
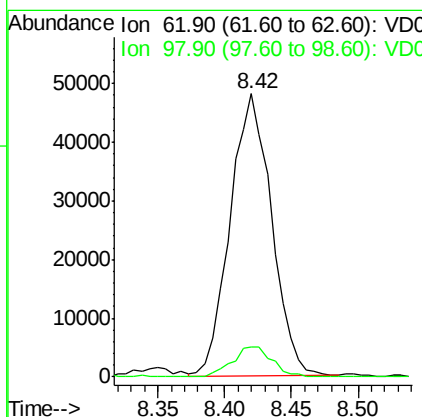
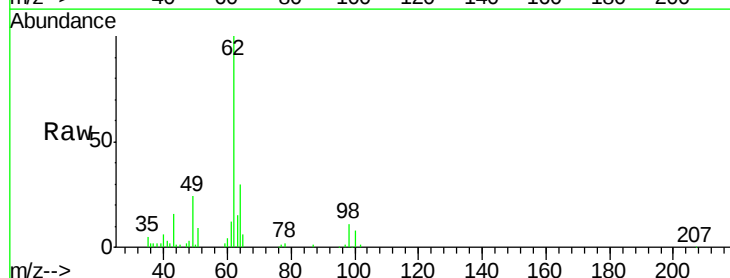
Manual Integrations
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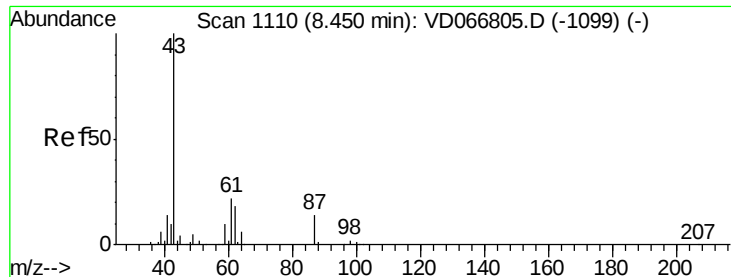
MMDadoda
9/24/2020 1:36:45 PM



#42
1,2-Dichloroethane
Concen: 19.697 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VD066826.D
Acq: 23 Sep 2020 11:22

Tgt Ion	62	Resp	103711
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.8





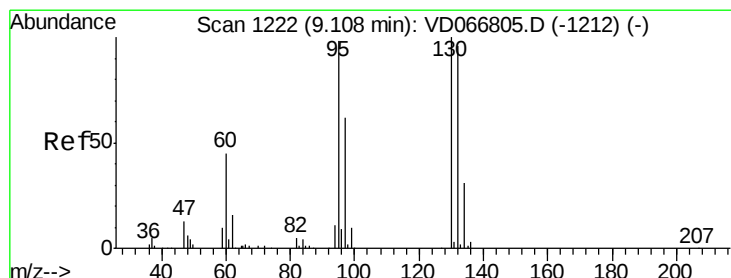
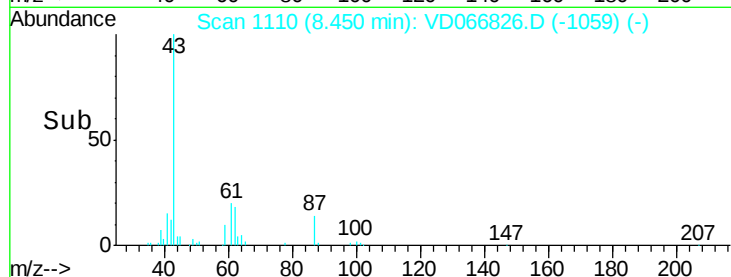
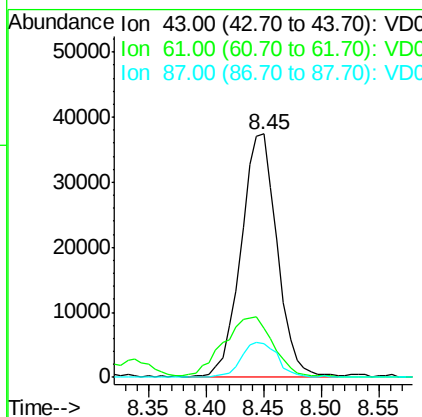
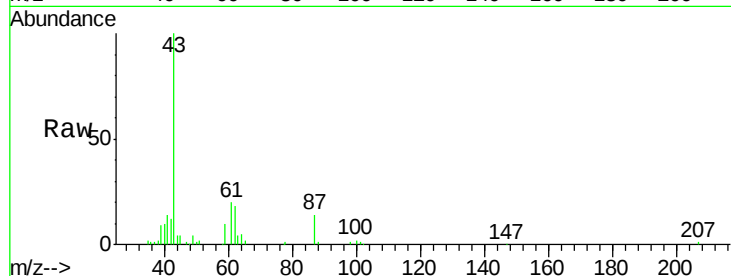
#43
Isopropyl Acetate
Concen: 18.337 ug/l
RT: 8.45 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD066826.D
Acq: 23 Sep 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	43	100	81675		
61	61	34.3		26.2	39.4
87	87	14.4		11.5	17.3

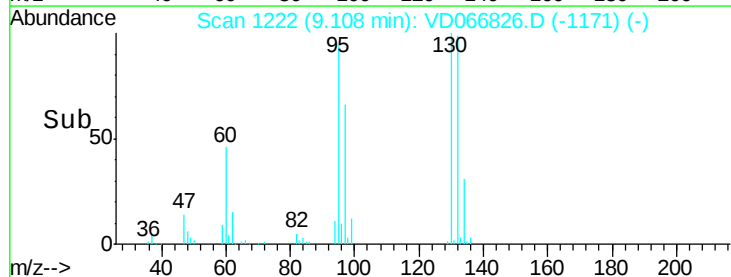
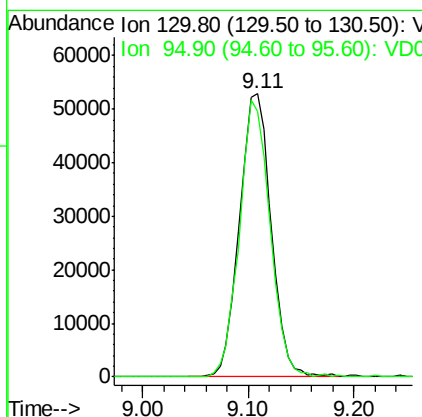
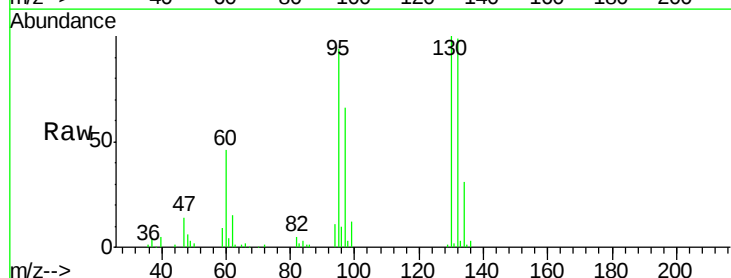
Manual Integrations
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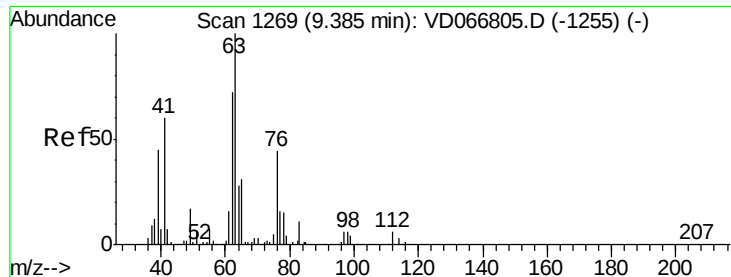
MMDadoda
9/24/2020 1:36:45 PM



#44
Trichloroethene
Concen: 21.704 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VD066826.D
Acq: 23 Sep 2020 11:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
130	130	100	110185		
95	95	93.9		0.0	197.0





#45

1,2-Dichloropropane

Concen: 20.352 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VD066826.D

Acq: 23 Sep 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

Tot Ion: 63 Resp: 91203

Ion Ratio Lower Upper

63 100

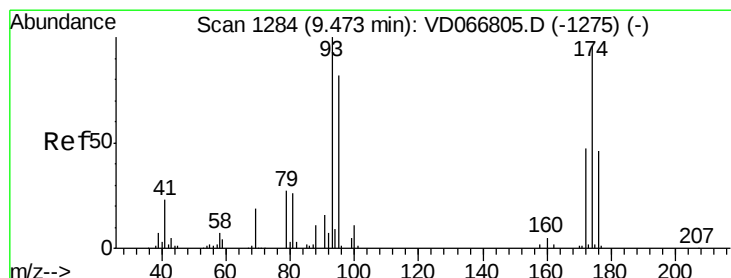
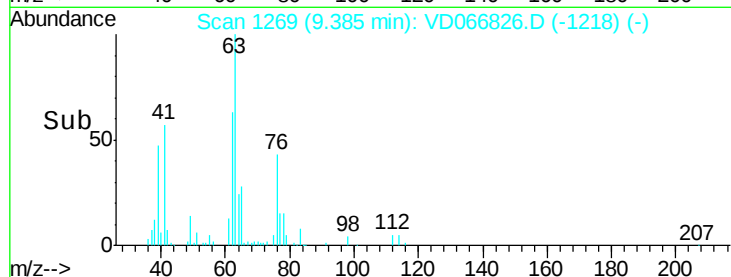
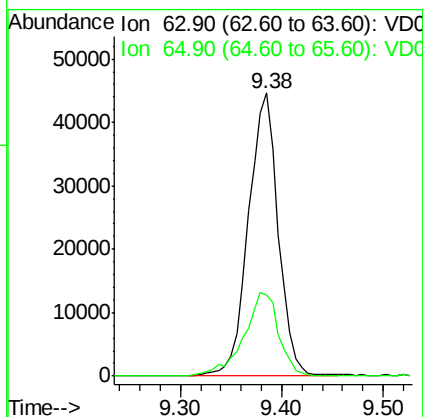
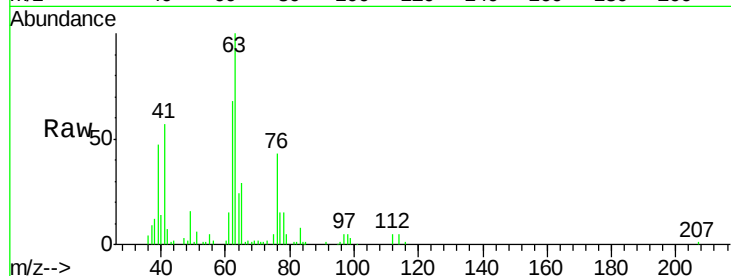
65 28.9 24.7 37.1

Manual Integrations

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#46

Dibromomethane

Concen: 19.887 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VD066826.D

Acq: 23 Sep 2020 11:22

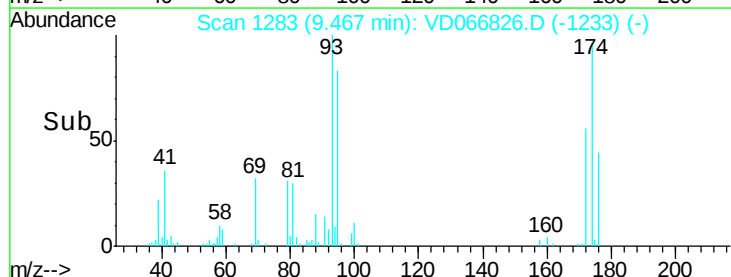
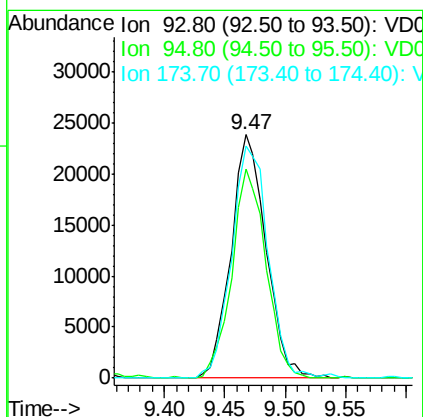
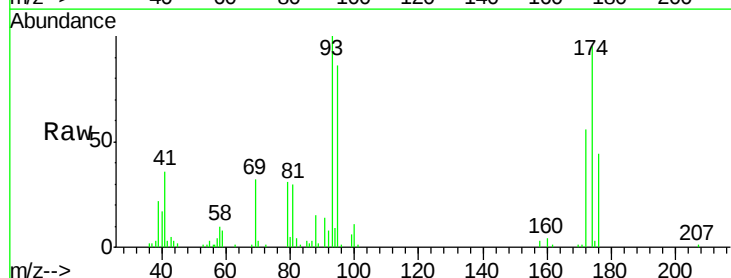
Tgt Ion: 93 Resp: 48421

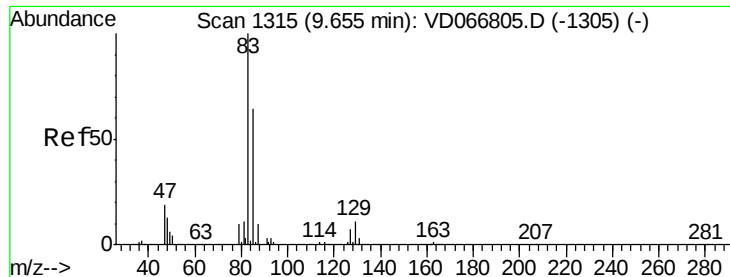
Ion Ratio Lower Upper

93 100

95 83.1 65.3 97.9

174 99.1 75.4 113.2





#47

Bromodichloromethane

Concen: 20.050 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD066826.D

Acq: 23 Sep 2020 11:22

Instrument :

MSVOA_D

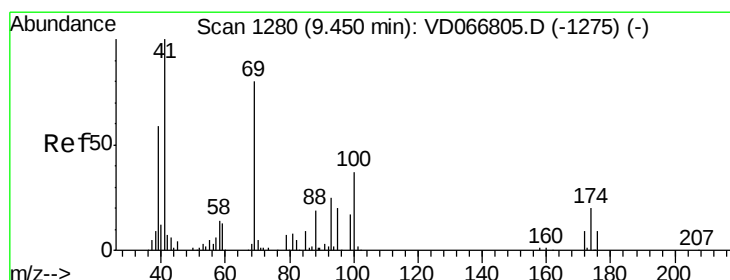
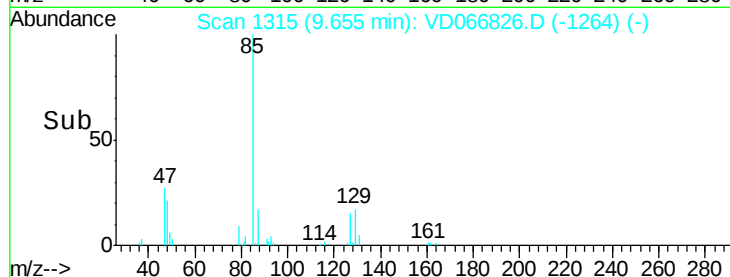
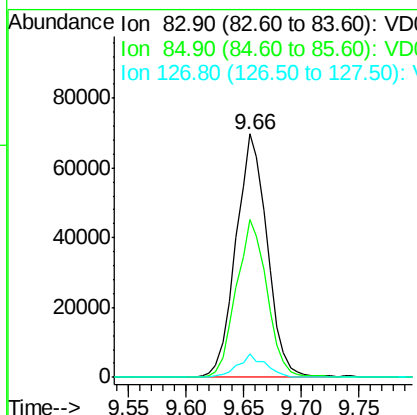
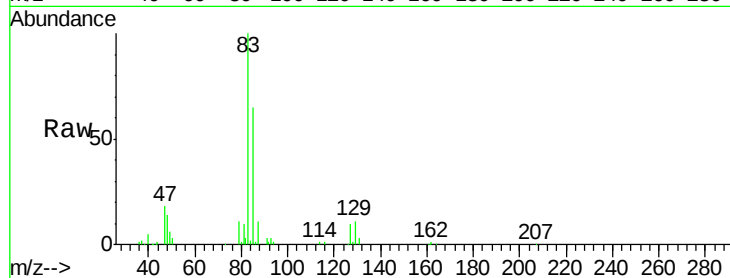
ClientSampleId :

VD0923SBS01

Tot Ion:	83	Resp:	131141
Ion Ratio	Lower	Upper	
83	100		
85	64.8	50.9	76.3
127	9.8	5.9	8.9#

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.571 ug/l

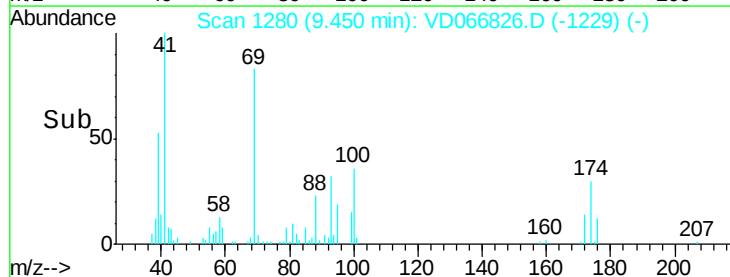
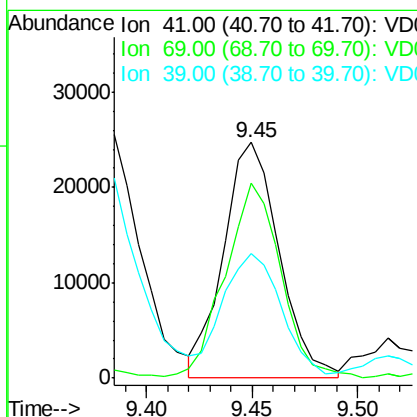
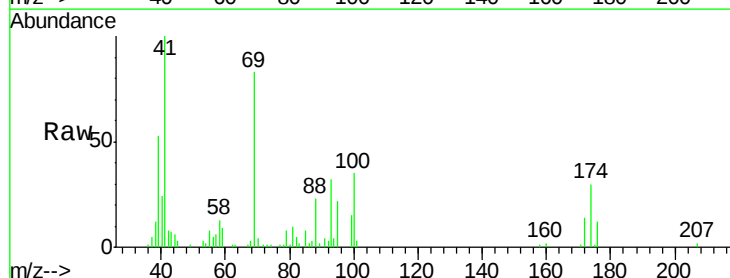
RT: 9.45 min Scan# 1280

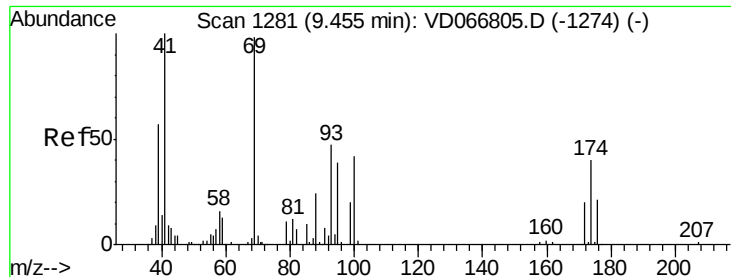
Delta R.T. -0.00 min

Lab File: VD066826.D

Acq: 23 Sep 2020 11:22

Tgt Ion:	41	Resp:	45176
Ion Ratio	Lower	Upper	
41	100		
69	82.9	74.5	111.7
39	53.0	47.0	70.6





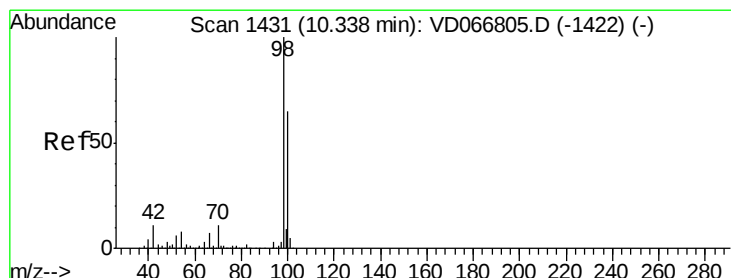
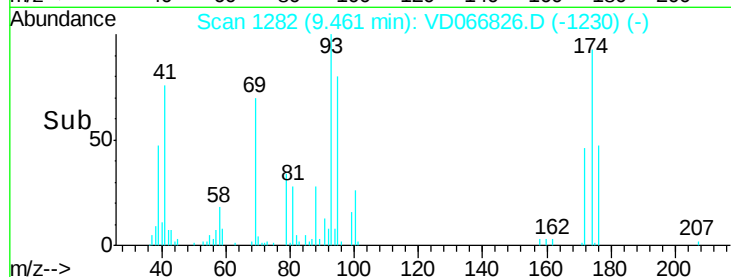
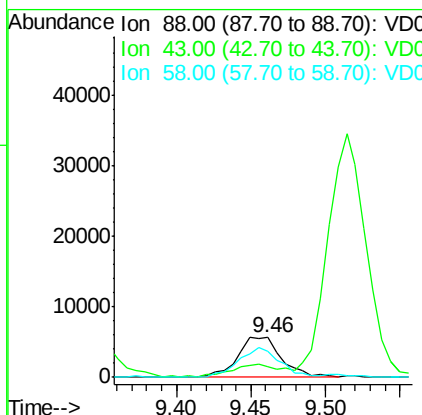
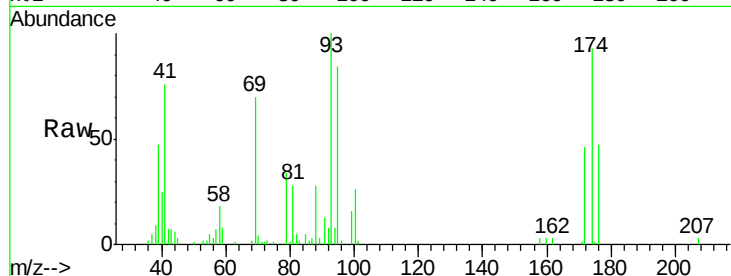
#49
1,4-Dioxane
Concen: 351.764 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.01 min
Lab File: VD066826.D
Acq: 23 Sep 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	32.4	27.7	41.5	
58	69.5	55.5	83.3	

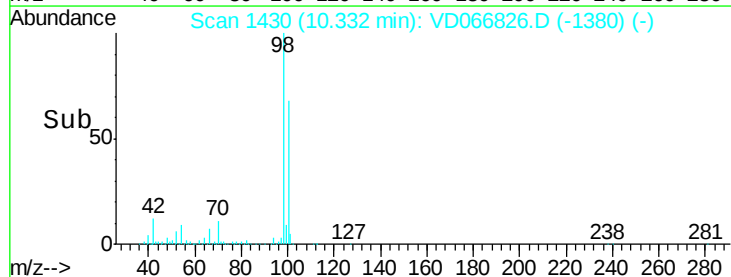
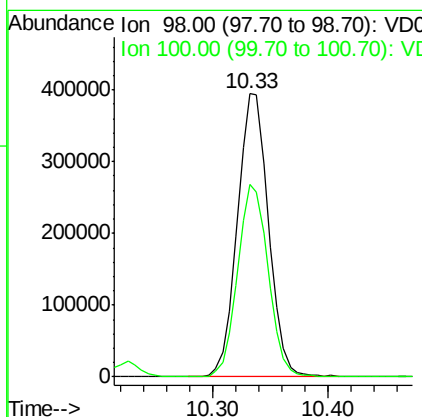
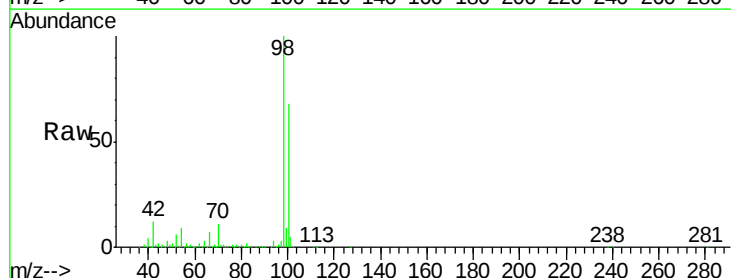
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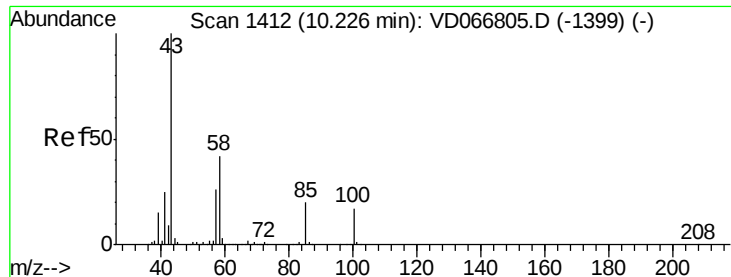
MMDadoda
9/24/2020 1:36:45 PM



#50
Toluene-d8
Concen: 52.845 ug/l
RT: 10.33 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VD066826.D
Acq: 23 Sep 2020 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	67.0	52.2	78.2	





#51

4-Methyl-2-Pentanone

Concen: 96.059 ug/l

RT: 10.22 min Scan# 1411

Delta R.T. -0.01 min

Lab File: VD066826.D

Acq: 23 Sep 2020 11:22

Instrument :

MSVOA_D

ClientSampled :

VD0923SBS01

Tot Ion: 43 Resp: 216800

Ion Ratio Lower Upper

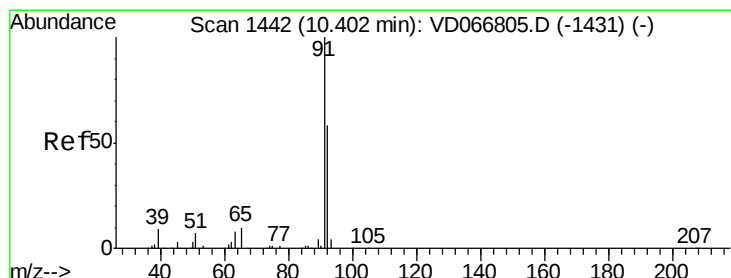
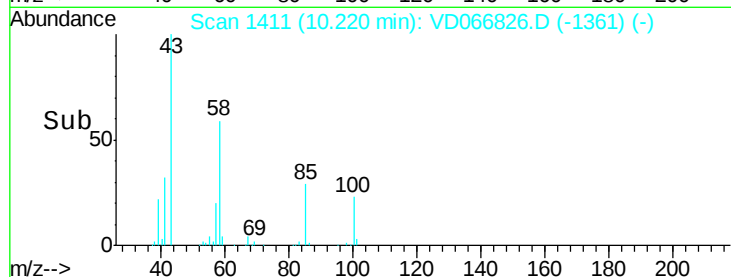
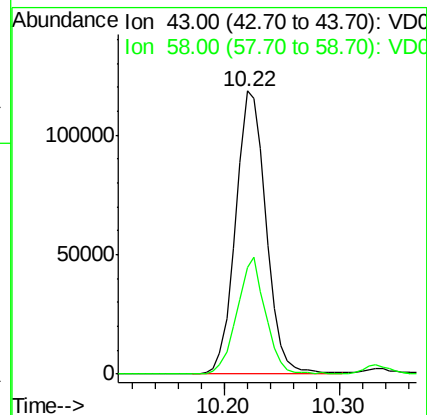
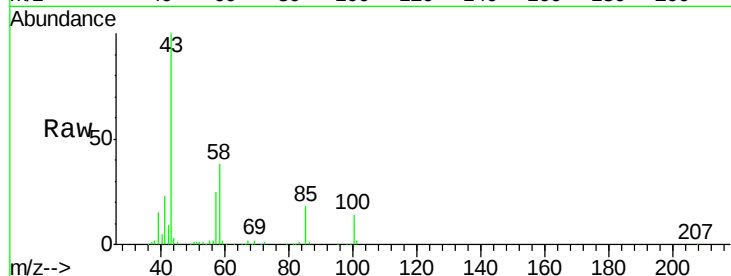
43 100

58 38.4 32.2 48.4

Manual Integrations
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#52

Toluene

Concen: 21.348 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066826.D

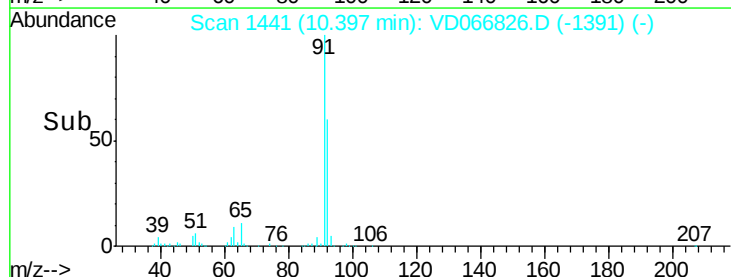
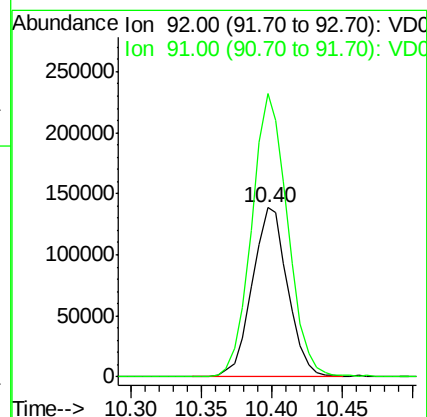
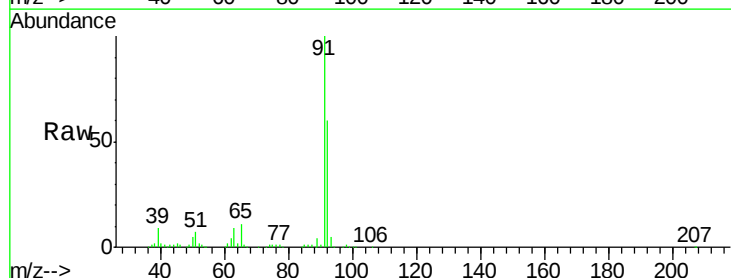
Acq: 23 Sep 2020 11:22

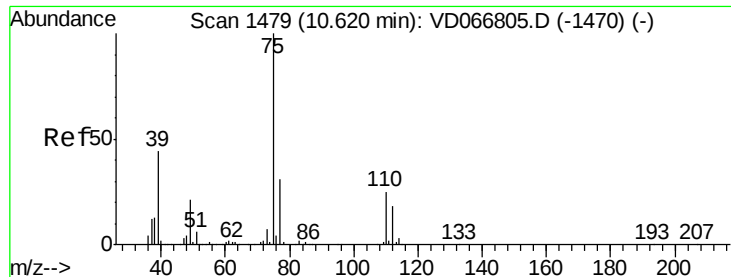
Tgt Ion: 92 Resp: 244915

Ion Ratio Lower Upper

92 100

91 169.6 134.6 202.0





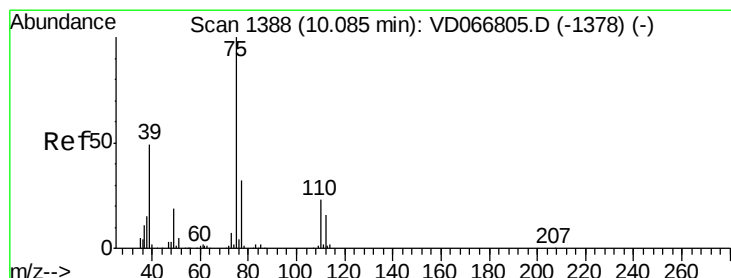
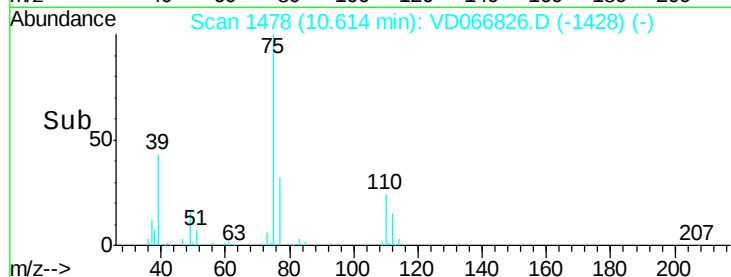
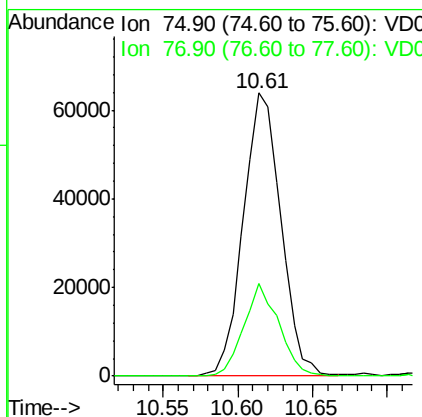
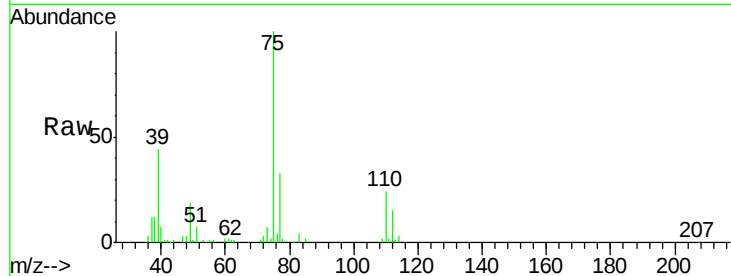
#53
t-1,3-Dichloropropene
Concen: 20.062 ug/l
RT: 10.61 min Scan# 1478
Delta R.T. -0.01 min
Lab File: VD066826.D
Acq: 23 Sep 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

Tot Ion: 75 Resp: 111686
Ion Ratio Lower Upper
75 100
77 32.5 24.5 36.7

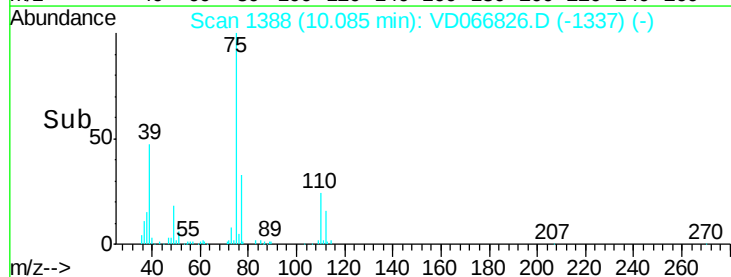
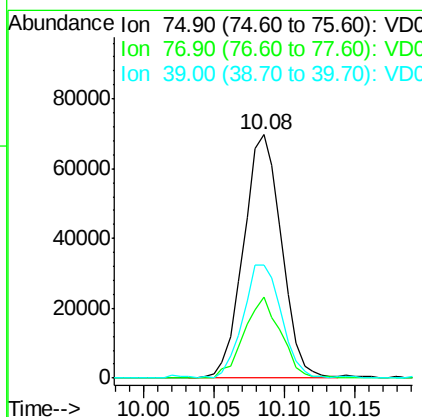
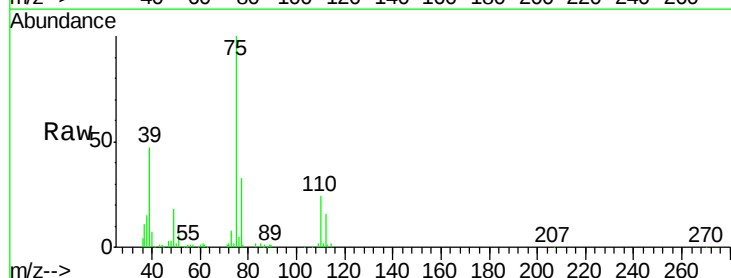
Manual Integrations
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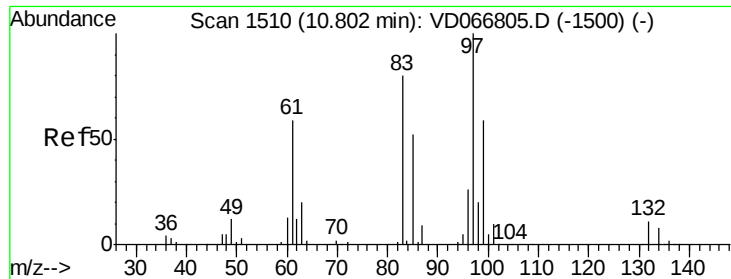
MMDadoda
9/24/2020 1:36:45 PM



#54
cis-1,3-Dichloropropene
Concen: 19.379 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VD066826.D
Acq: 23 Sep 2020 11:22

Tgt Ion: 75 Resp: 131545
Ion Ratio Lower Upper
75 100
77 33.3 25.6 38.4
39 46.0 39.2 58.8





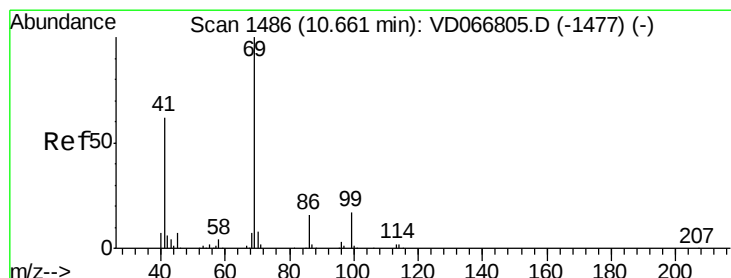
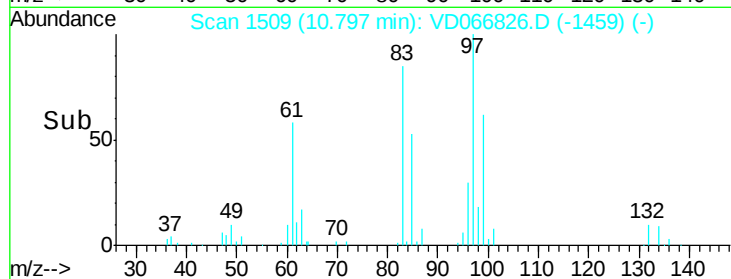
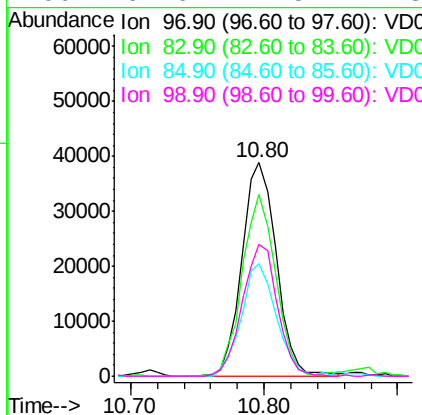
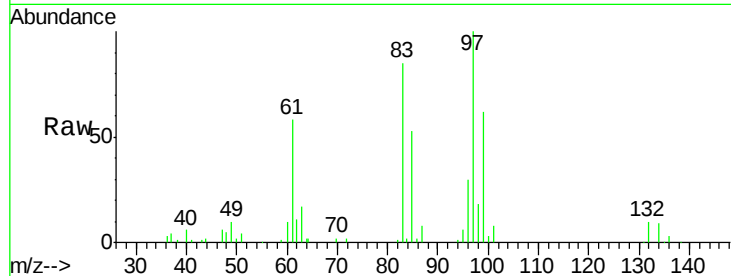
#55
 1,1,2-Trichloroethane
 Concen: 20.716 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066826.D
 Acq: 23 Sep 2020 11:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBS01

Tot Ion:	97	Resp:	69339
Ion	Ratio	Lower	Upper
97	100		
83	85.2	64.2	96.2
85	52.5	41.9	62.9
99	61.6	47.5	71.3

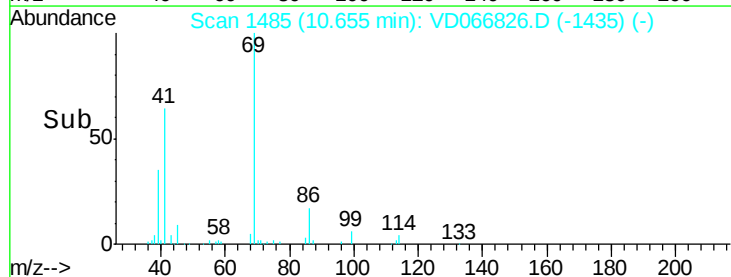
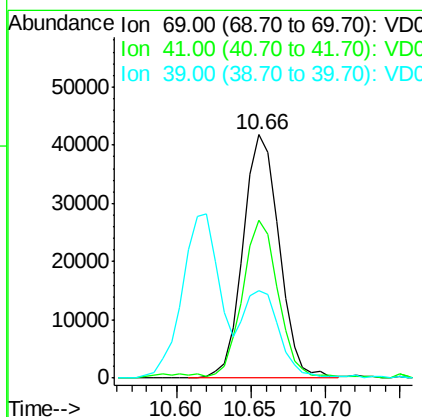
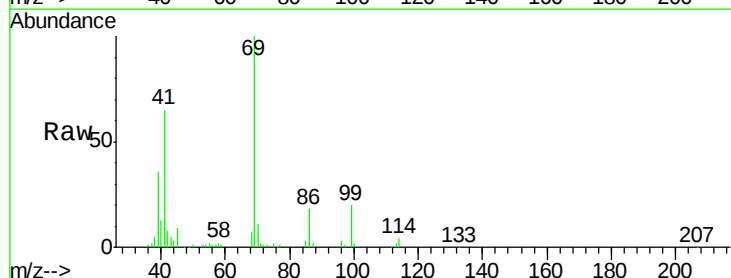
Manual Integrations
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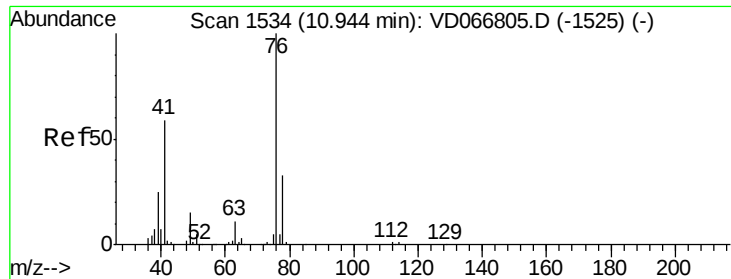
MMDadoda
 9/24/2020 1:36:45 PM



#56
 Ethyl methacrylate
 Concen: 19.523 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066826.D
 Acq: 23 Sep 2020 11:22

Tgt Ion:	69	Resp:	70002
Ion	Ratio	Lower	Upper
69	100		
41	65.0	52.2	78.2
39	35.6	26.6	40.0





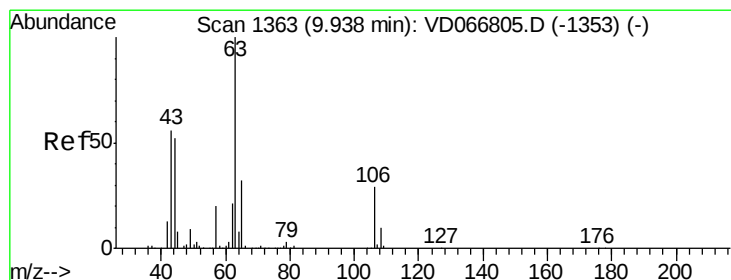
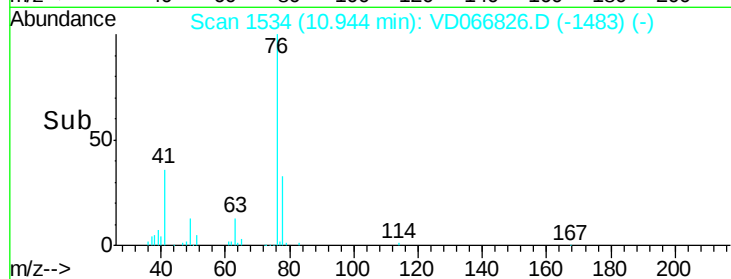
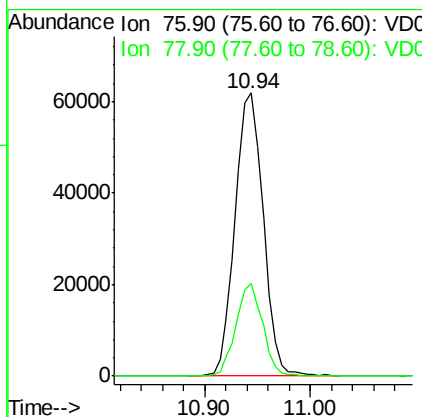
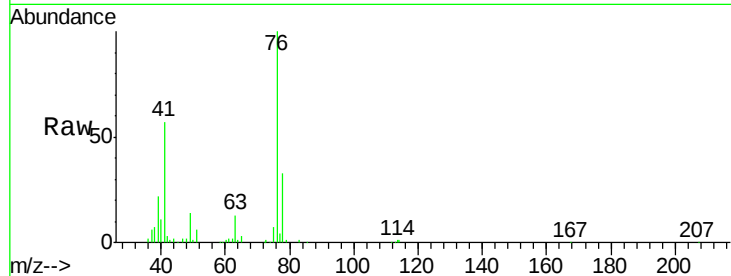
#57
 1,3-Dichloropropane
 Concen: 20.717 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD066826.D
 Acq: 23 Sep 2020 11:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	30.9	26.3	39.5

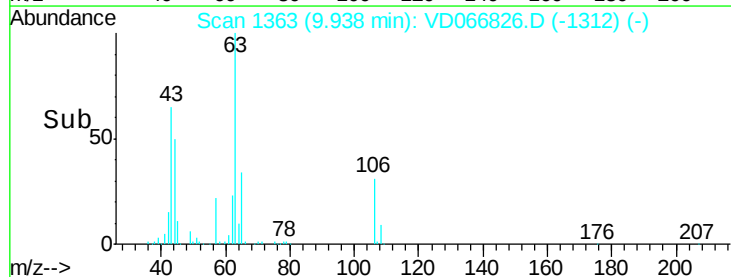
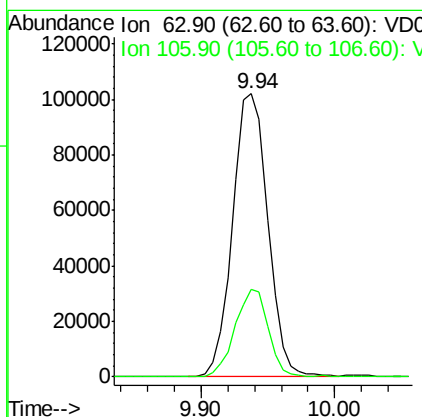
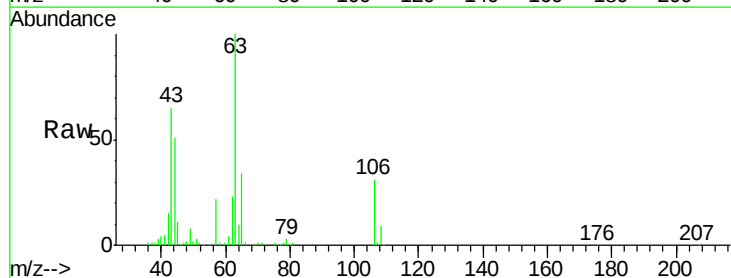
Manual Integrations
 APPROVED

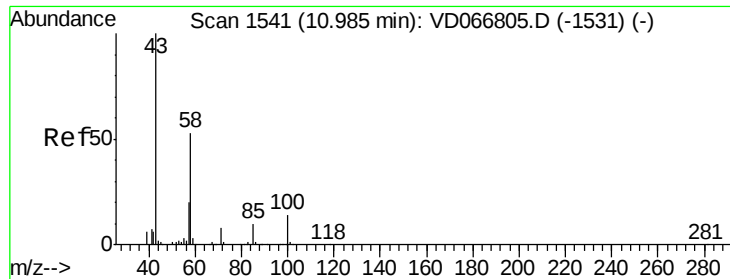
MMDadoda
 9/24/2020 1:36:45 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.216 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VD066826.D
 Acq: 23 Sep 2020 11:22

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.1	23.8	35.6





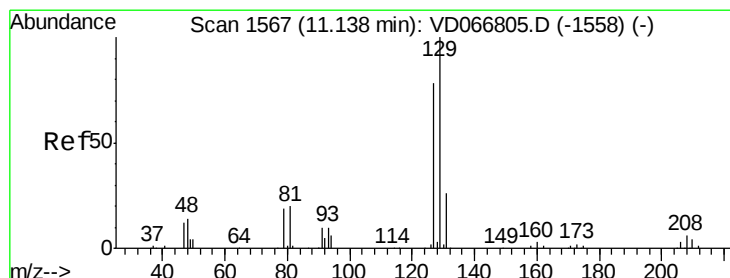
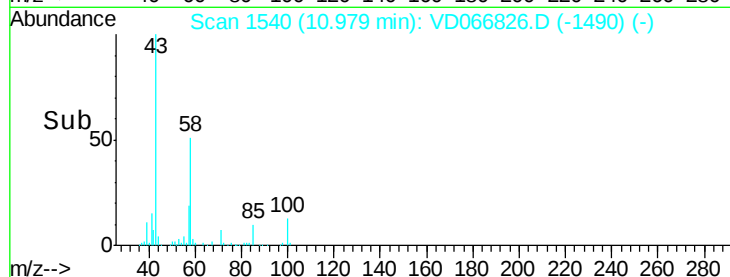
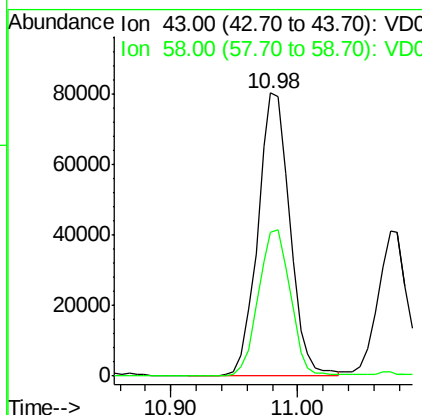
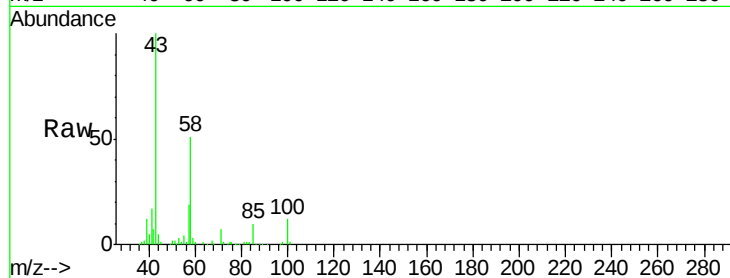
#59
2-Hexanone
Concen: 93.410 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066826.D
Acq: 23 Sep 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

Tot Ion: 43 Resp: 142172
Ion Ratio Lower Upper
43 100
58 51.8 27.0 80.8

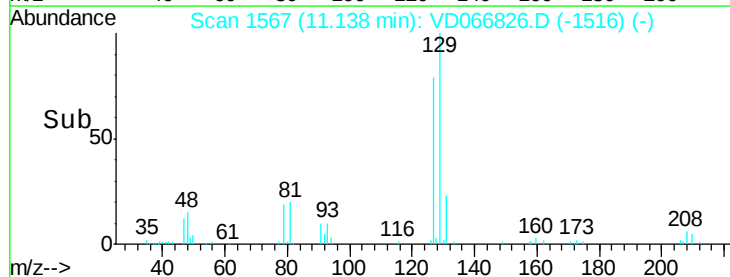
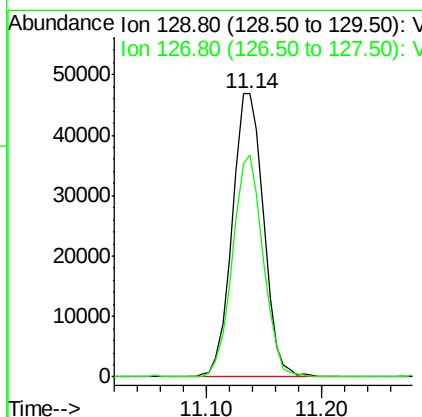
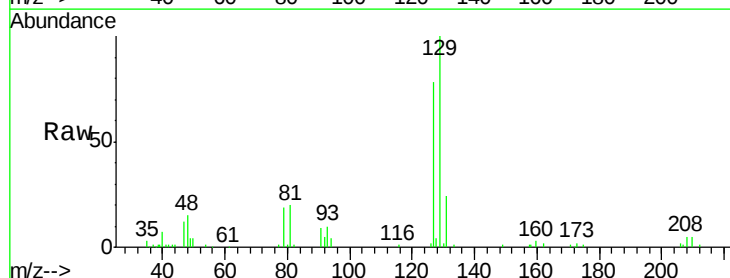
Manual Integrations
APPROVED

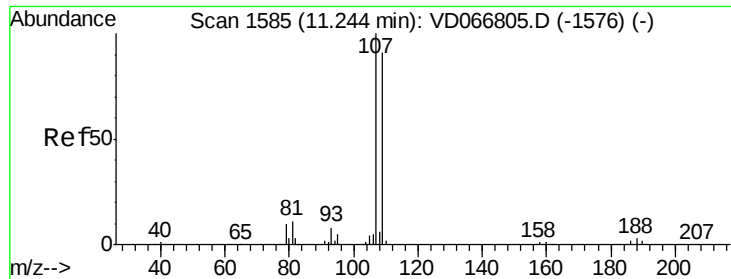
MMDadoda
9/24/2020 1:36:45 PM



#60
Dibromochloromethane
Concen: 20.138 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066826.D
Acq: 23 Sep 2020 11:22

Tgt Ion: 129 Resp: 87972
Ion Ratio Lower Upper
129 100
127 76.6 38.6 116.0





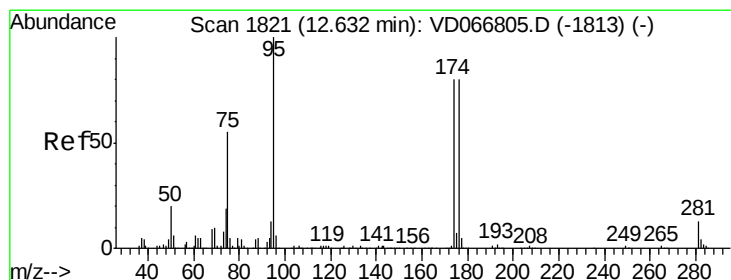
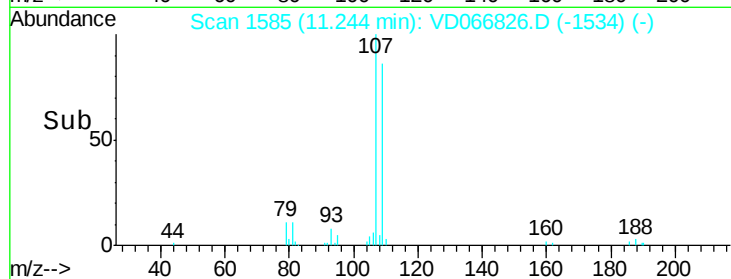
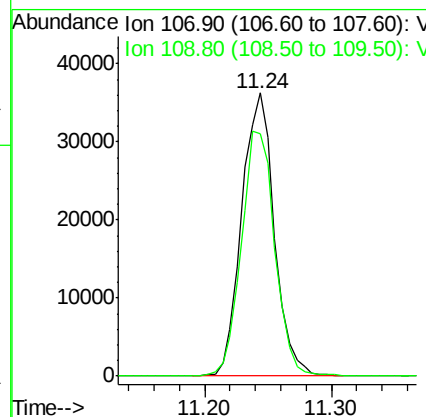
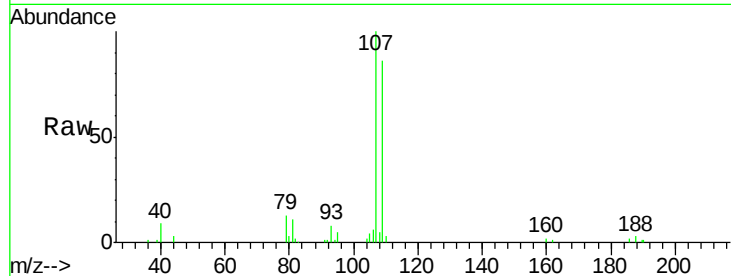
#61
 1,2-Dibromoethane
 Concen: 20.688 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066826.D
 Acq: 23 Sep 2020 11:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	89.0	75.0	112.4

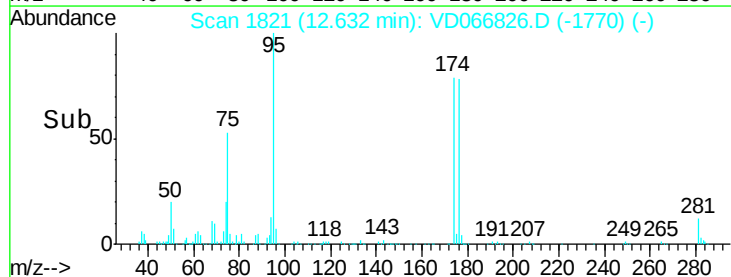
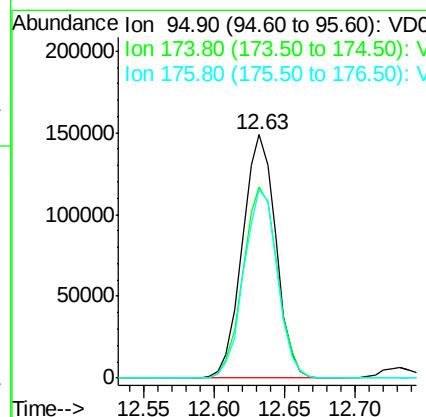
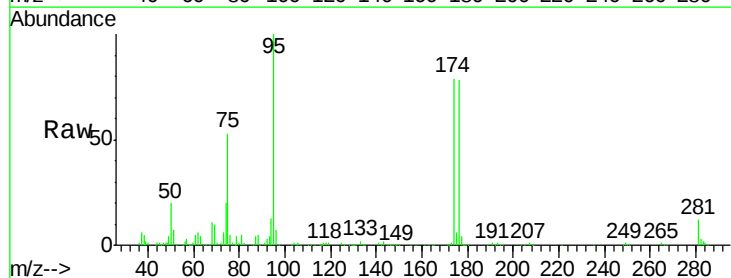
Manual Integrations
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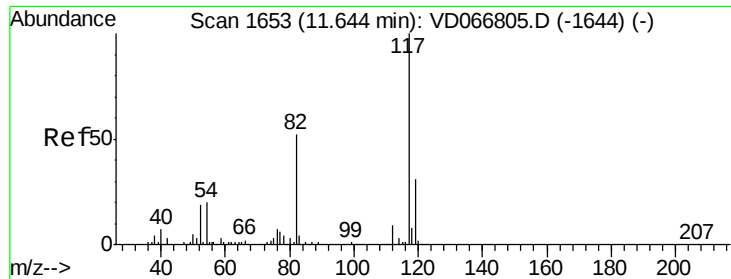
MMDadoda
 9/24/2020 1:36:45 PM



#62
 4-Bromofluorobenzene
 Concen: 51.764 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066826.D
 Acq: 23 Sep 2020 11:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.7	0.0	159.8
176	77.5	0.0	154.4





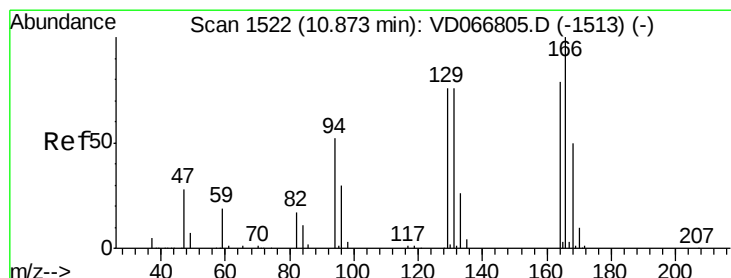
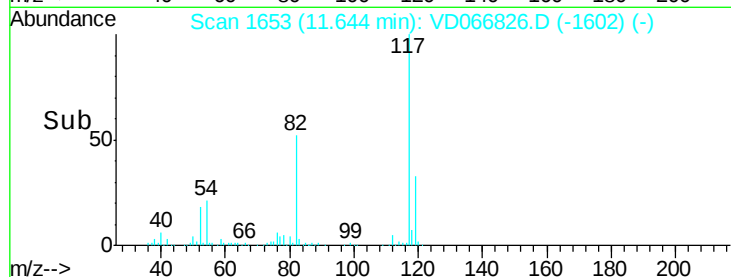
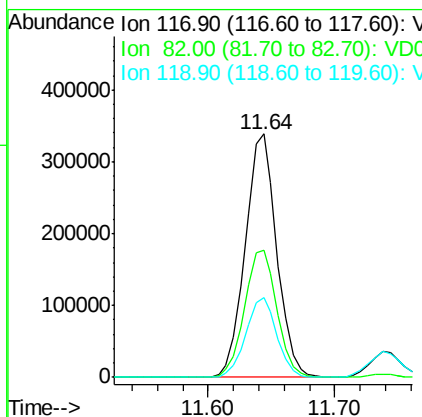
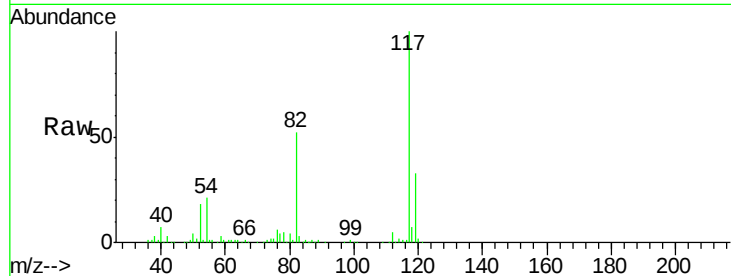
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066826.D
Acq: 23 Sep 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	583706		
82	52.4		41.8	62.6
119	32.8		24.6	37.0

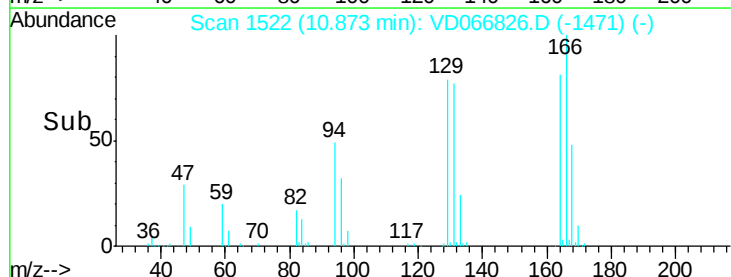
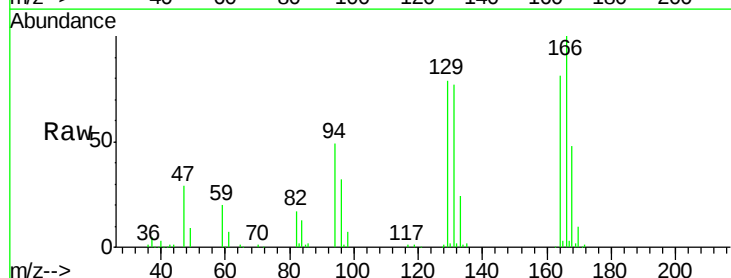
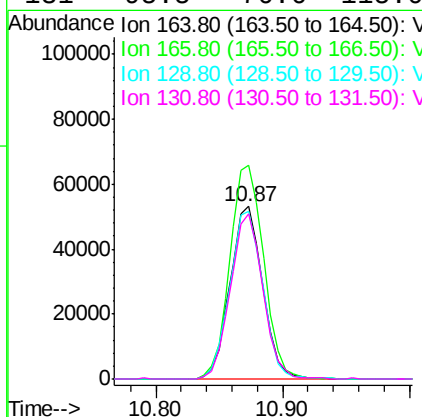
Manual Integrations
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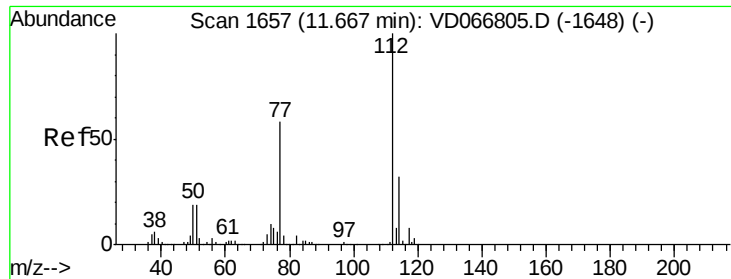
MMDadoda
9/24/2020 1:36:45 PM



#64
Tetrachloroethene
Concen: 22.492 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066826.D
Acq: 23 Sep 2020 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	94436		
166	123.6		101.1	151.7
129	97.2		77.0	115.4
131	95.5		76.6	115.0





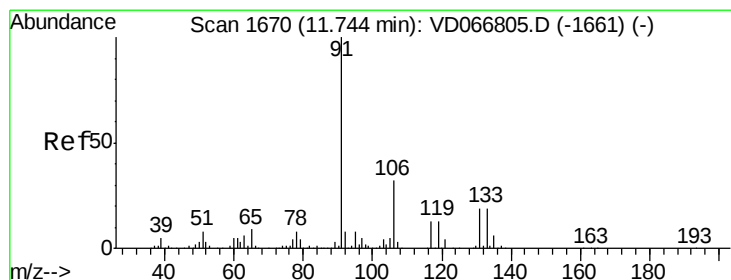
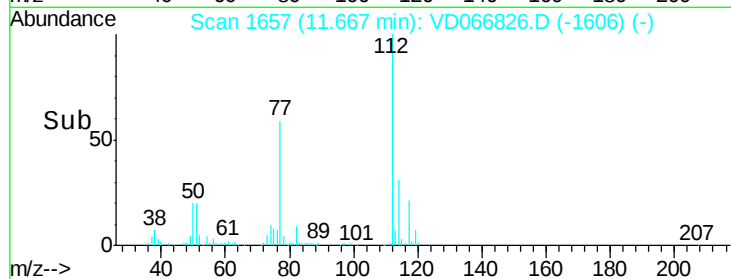
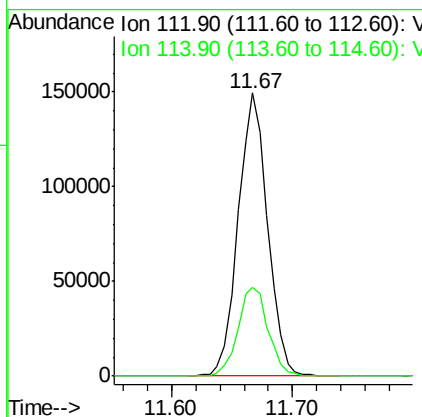
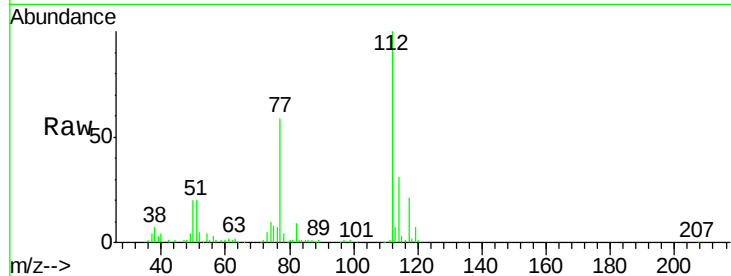
#65
Chlorobenzene
Concen: 20.939 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VD066826.D
Acq: 23 Sep 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	254407		
114	31.4	25.4	38.2	

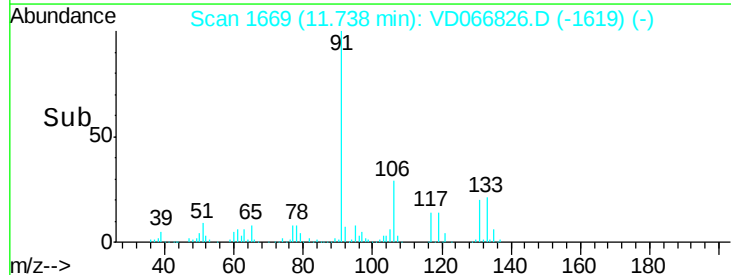
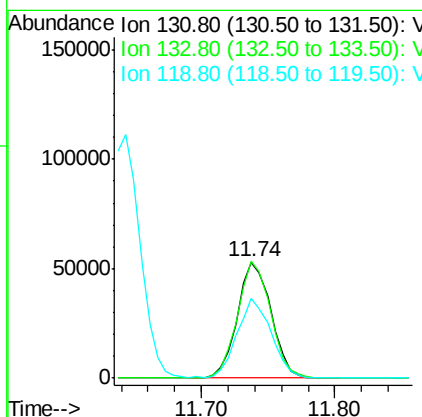
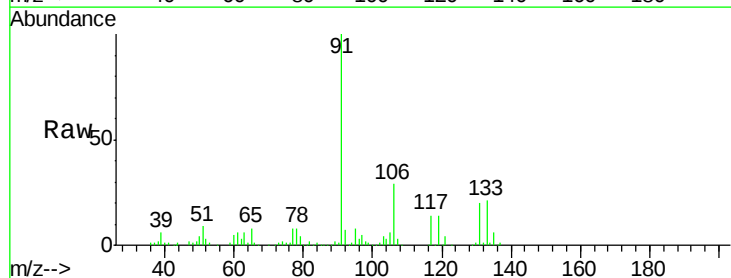
Manual Integrations
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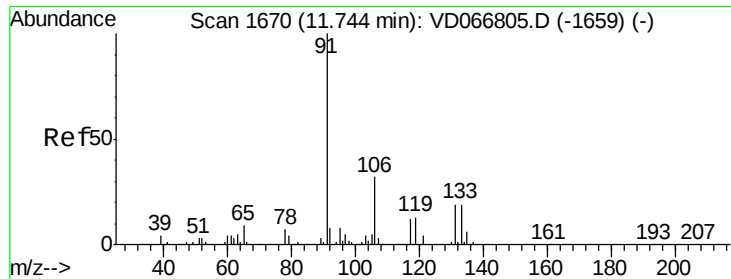
MMDadoda
9/24/2020 1:36:45 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.157 ug/l
RT: 11.74 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VD066826.D
Acq: 23 Sep 2020 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	92692		
133	98.9	46.7	140.1	
119	69.4	32.3	96.9	





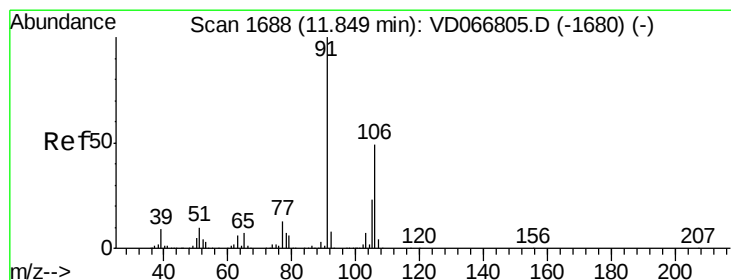
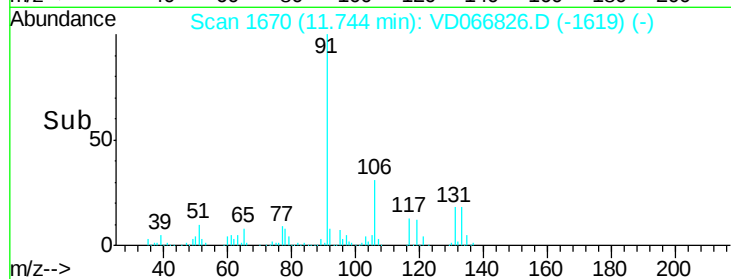
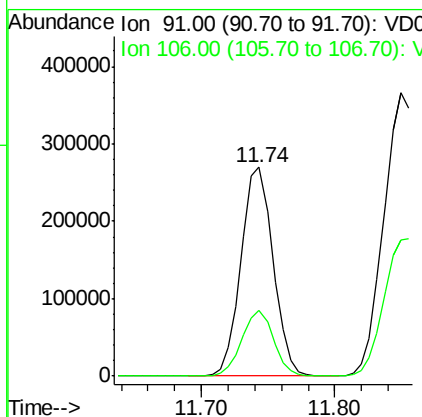
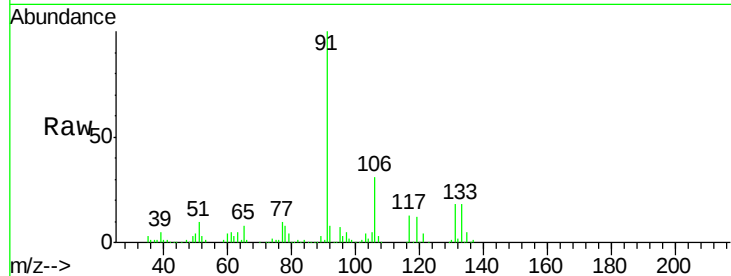
#67
Ethyl Benzene
Concen: 21.084 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066826.D
Acq: 23 Sep 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

Tot Ion	91	Resp	449918
Ion Ratio	100	Lower	Upper
106	31.3	25.6	38.4

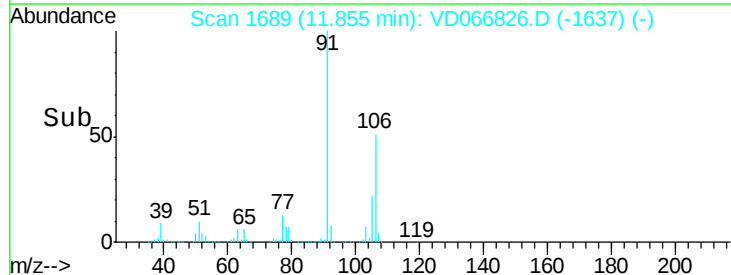
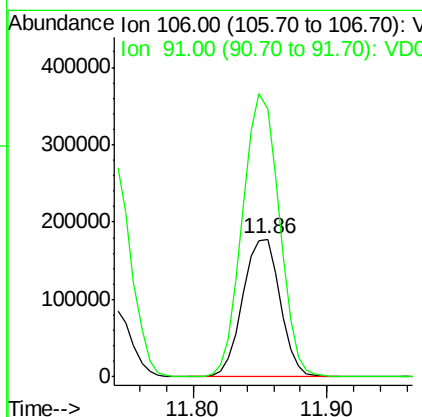
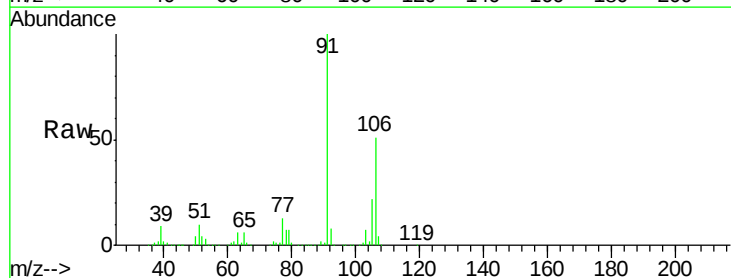
Manual Integrations
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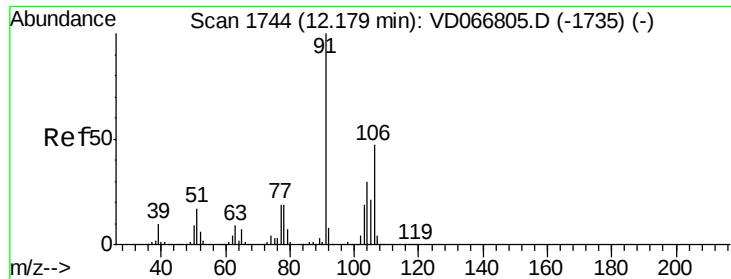
MMDadoda
9/24/2020 1:36:45 PM



#68
m/p-Xylenes
Concen: 42.792 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VD066826.D
Acq: 23 Sep 2020 11:22

Tgt Ion	106	Resp	345735
Ion Ratio	100	Lower	Upper
91	201.7	160.7	241.1





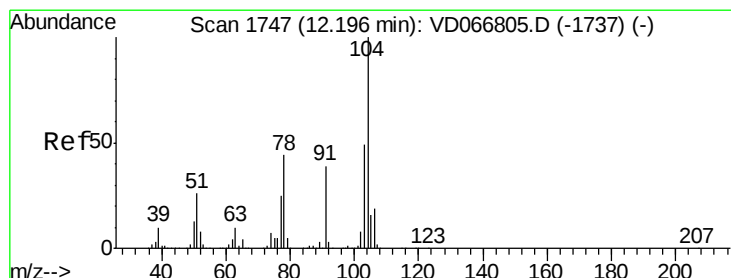
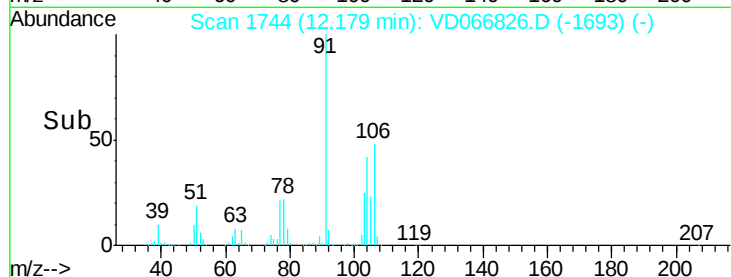
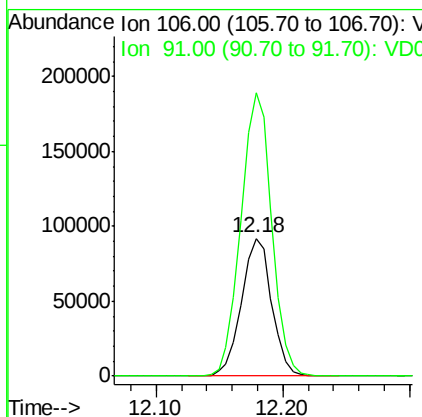
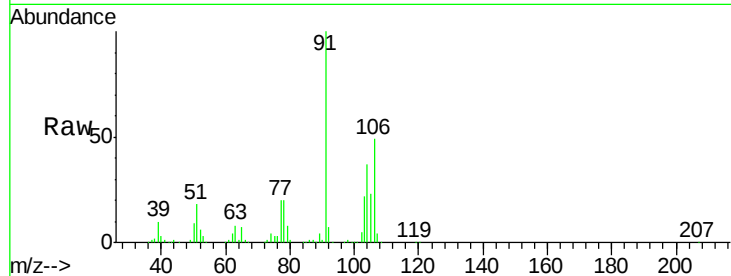
#69
o-Xylene
Concen: 20.822 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066826.D
Acq: 23 Sep 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.4	106.3	318.8

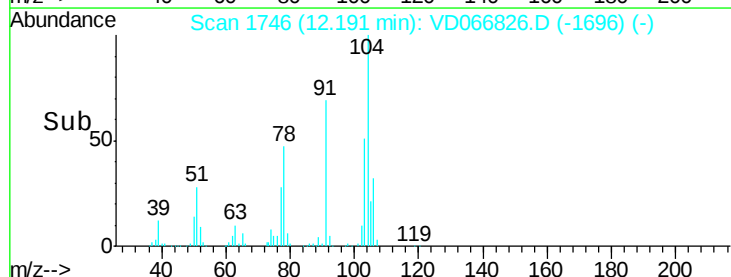
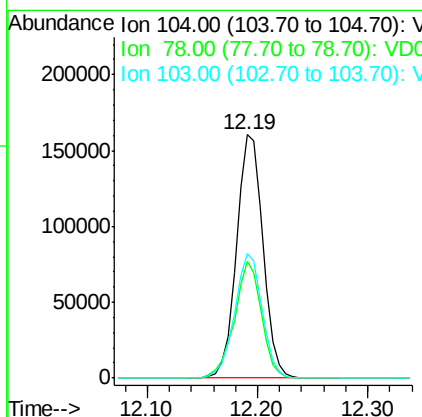
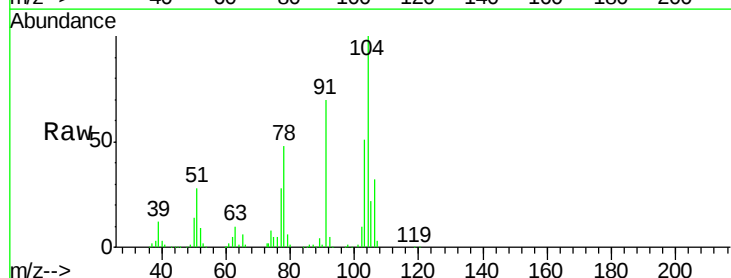
Manual Integrations
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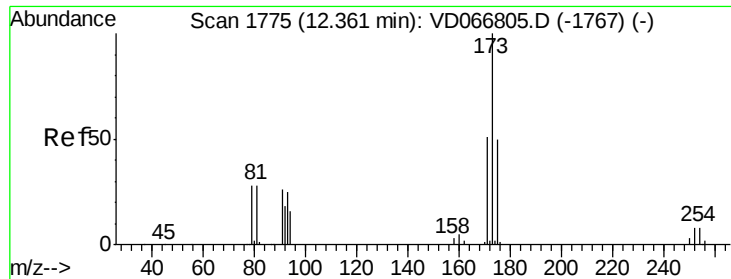
MMDadoda
9/24/2020 1:36:45 PM



#70
Styrene
Concen: 21.347 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066826.D
Acq: 23 Sep 2020 11:22

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.5	38.9	58.3
103	53.2	43.2	64.8





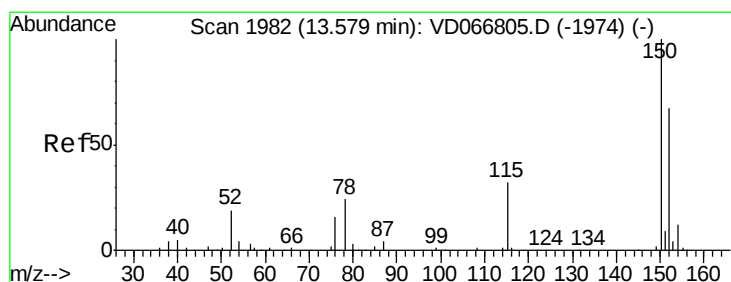
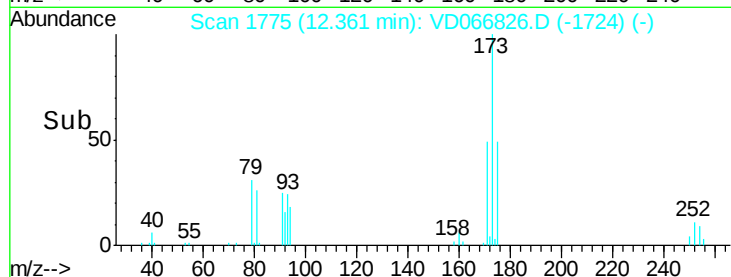
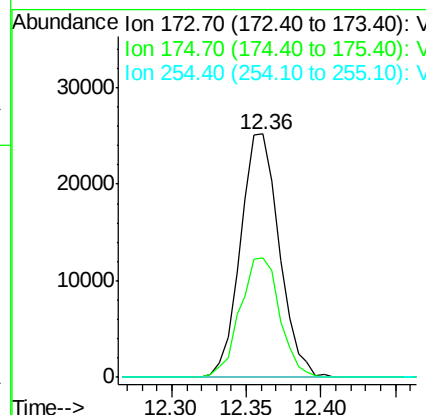
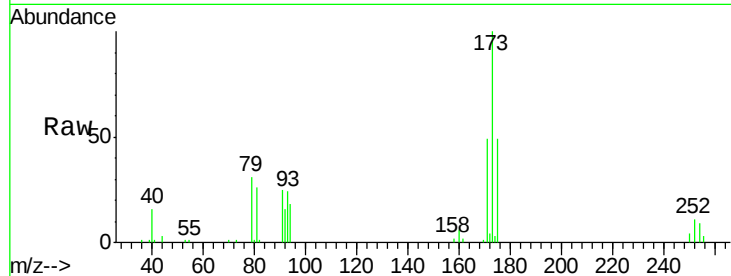
#71
Bromoform
Concen: 19.533 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD066826.D
Acq: 23 Sep 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.3	24.9	74.6
254	0.0	0.1	0.1#

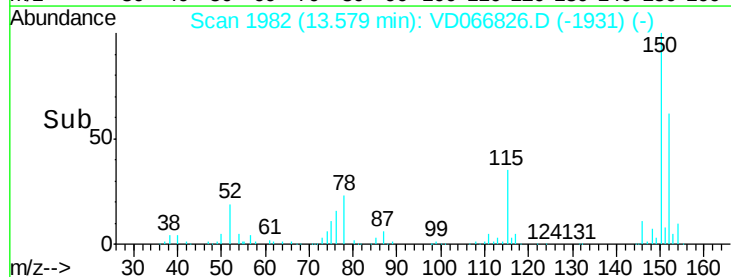
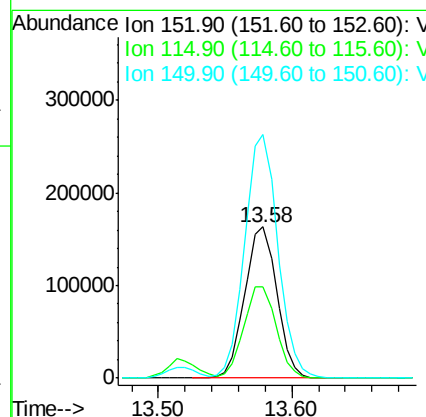
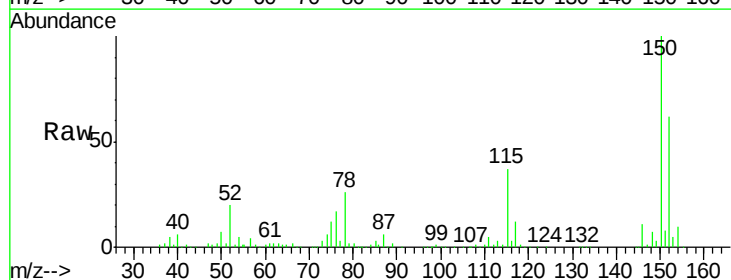
Manual Integrations
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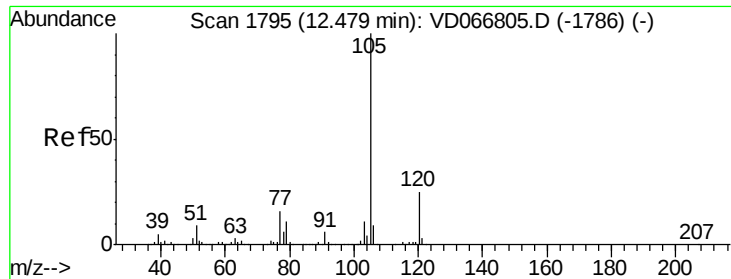
MMDadoda
9/24/2020 1:36:45 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066826.D
Acq: 23 Sep 2020 11:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.0	30.3	91.0
150	166.6	0.0	346.2





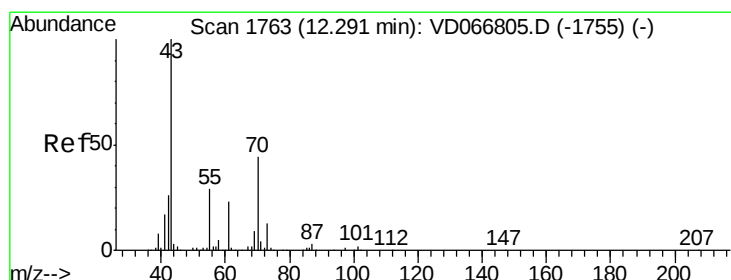
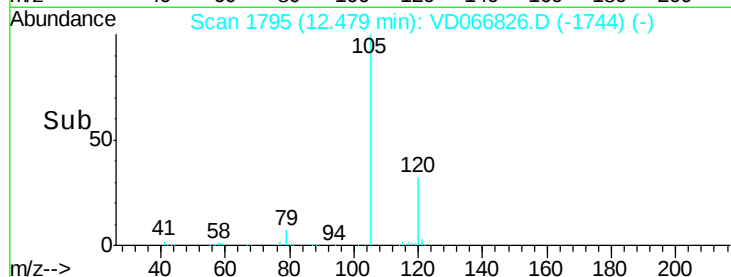
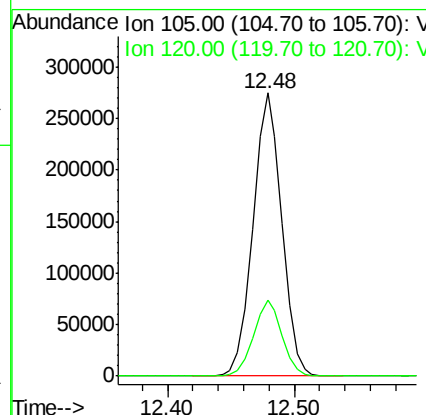
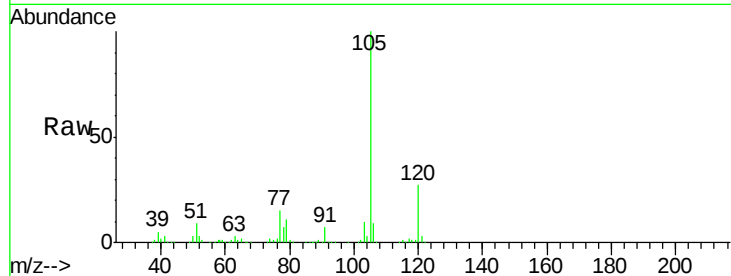
#73
Isopropylbenzene
Concen: 22.115 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VD066826.D
Acq: 23 Sep 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.5	12.9	38.6

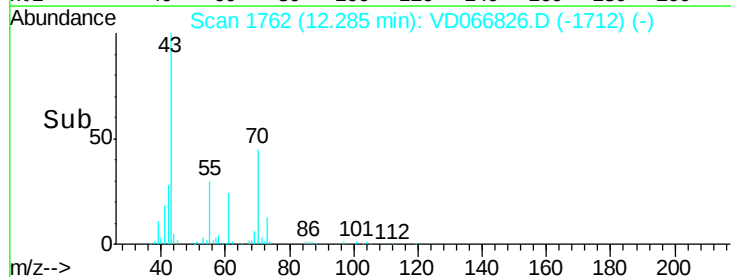
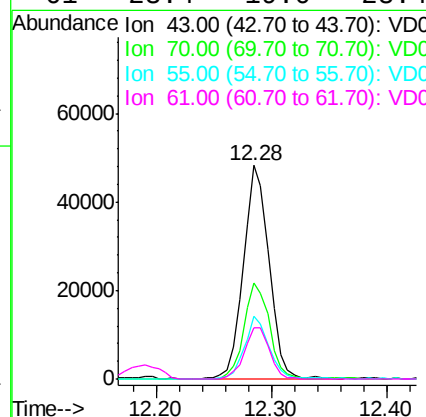
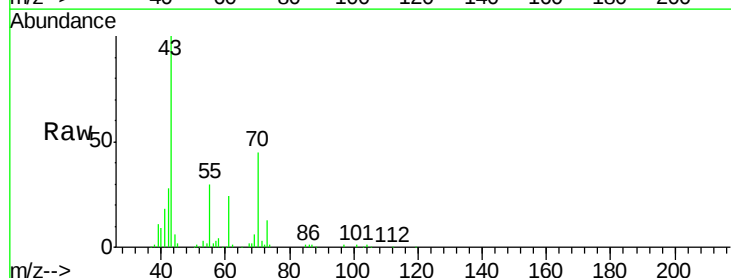
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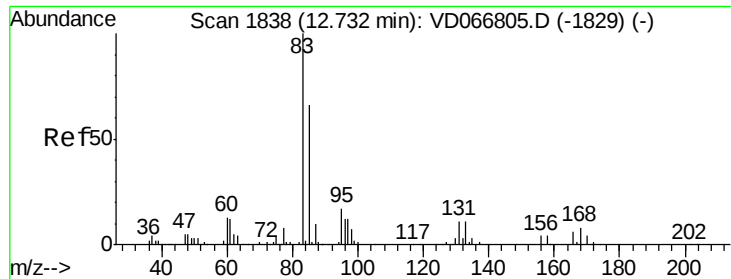
MMDadoda
9/24/2020 1:36:45 PM



#74
N-ethyl acetate
Concen: 19.449 ug/l
RT: 12.28 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VD066826.D
Acq: 23 Sep 2020 11:22

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.3	36.1	54.1
55	27.8	21.8	32.8
61	23.4	19.0	28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.020 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066826.D

Acq: 23 Sep 2020 11:22

Instrument :

MSVOA_D

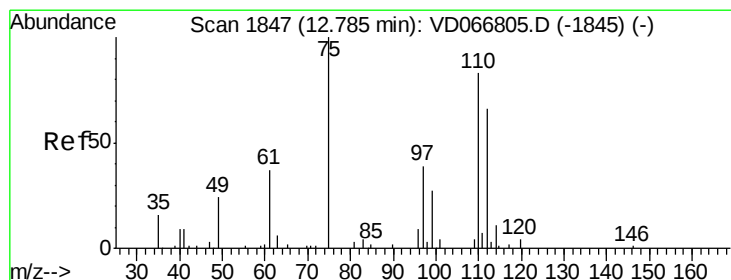
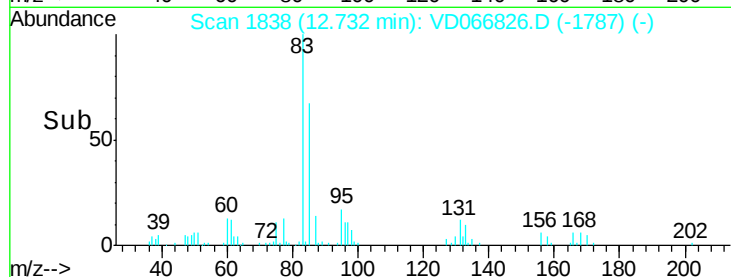
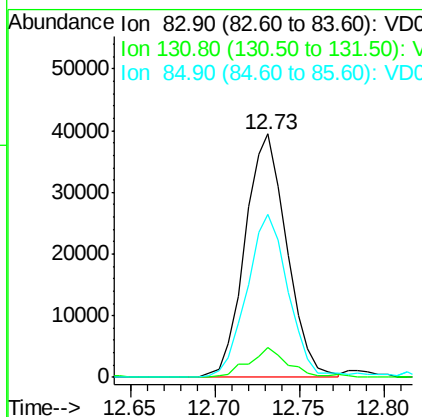
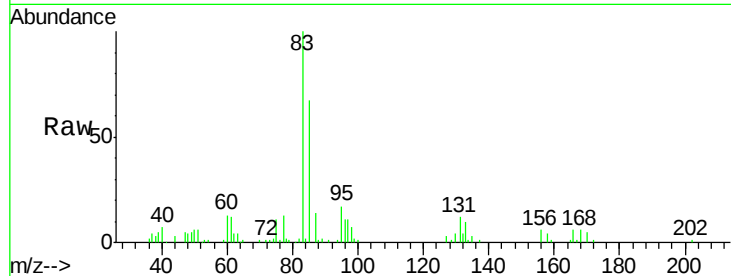
ClientSampleId :

VD0923SBS01

Tot Ion:	83	Resp:	67713
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.5	16.7
85	67.4	32.1	96.5

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#76

1,2,3-Trichloropropane

Concen: 22.931 ug/l m

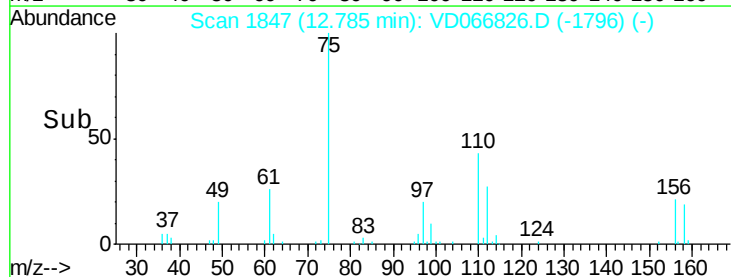
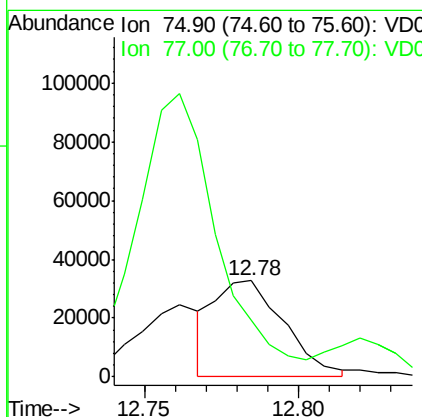
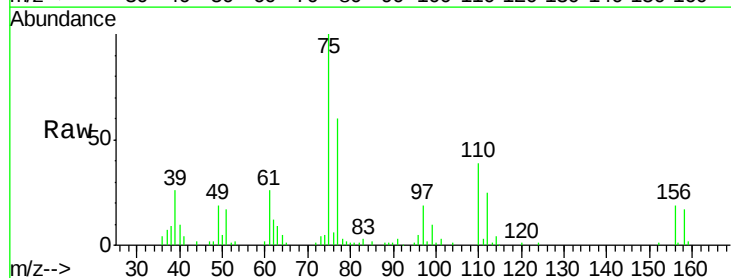
RT: 12.78 min Scan# 1847

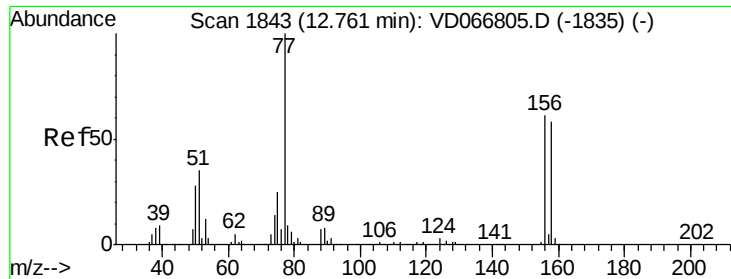
Delta R.T. -0.00 min

Lab File: VD066826.D

Acq: 23 Sep 2020 11:22

Tgt Ion:	75	Resp:	51561
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





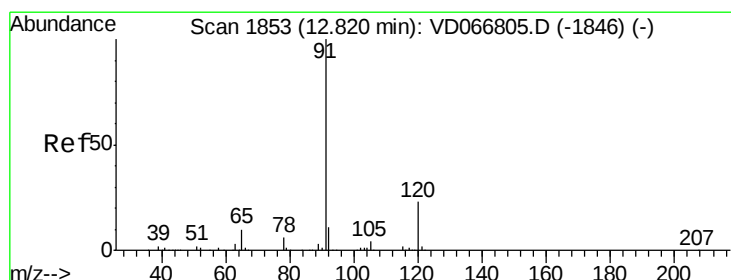
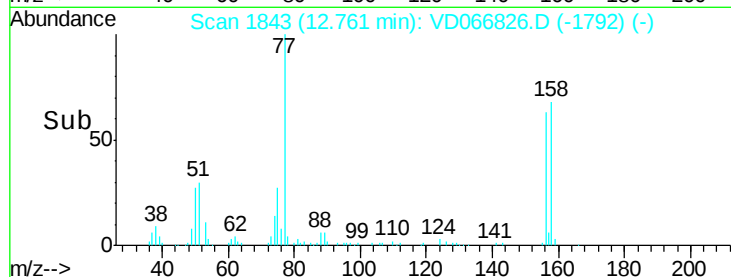
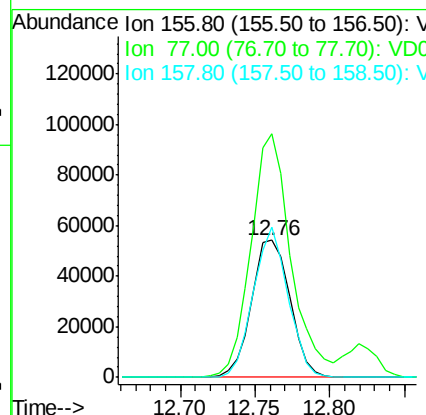
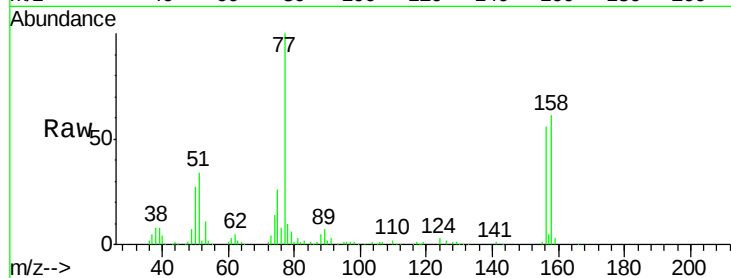
#77
Bromobenzene
Concen: 21.074 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VD066826.D
Acq: 23 Sep 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	185.1	92.3	276.9
158	98.9	47.6	142.9

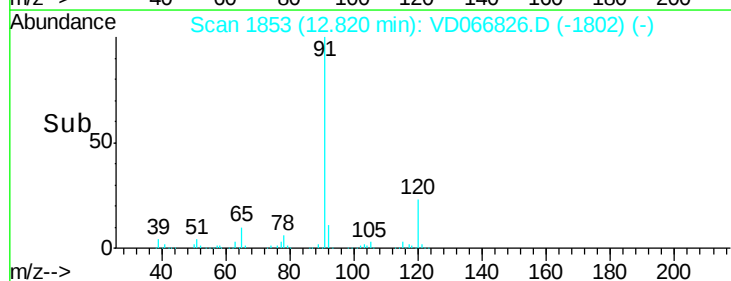
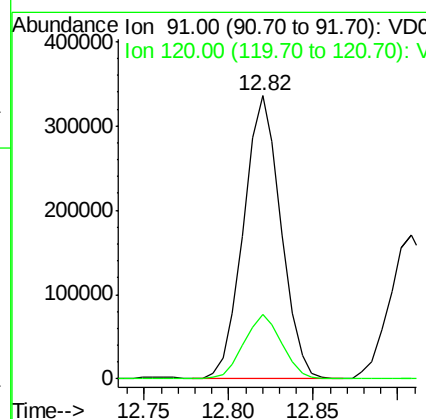
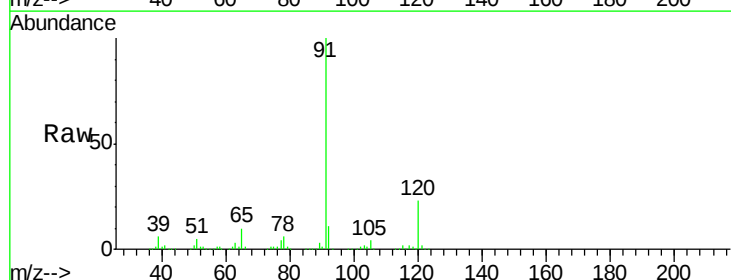
Manual Integrations
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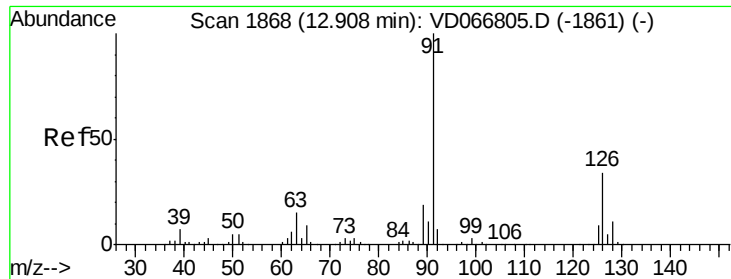
MMDadoda
9/24/2020 1:36:45 PM



#78
n-propylbenzene
Concen: 21.863 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VD066826.D
Acq: 23 Sep 2020 11:22

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.4	34.2





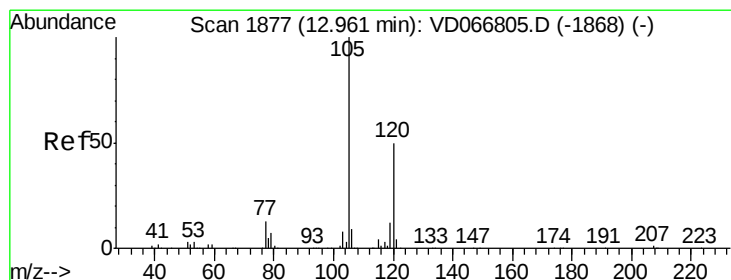
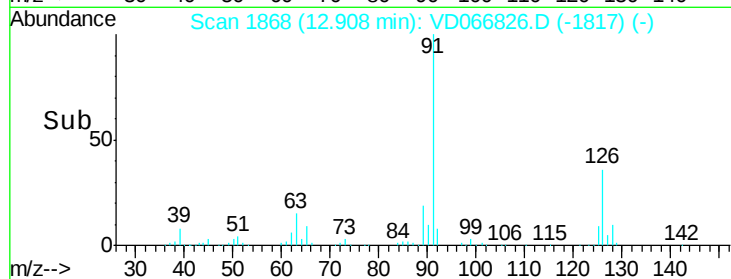
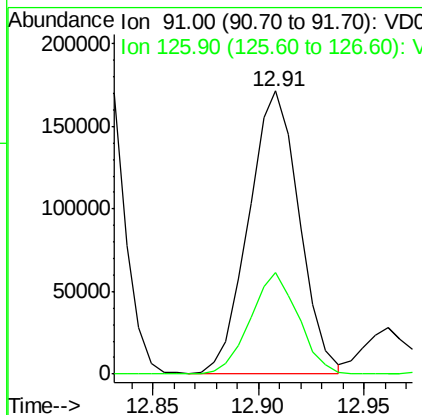
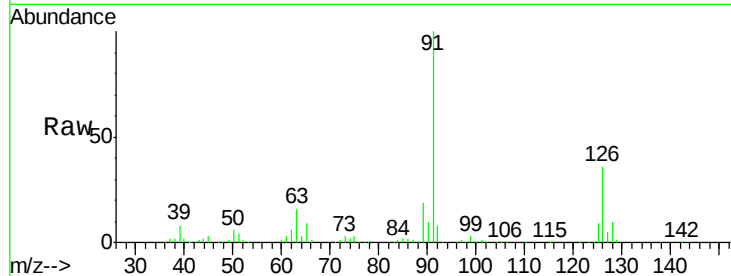
#79
2-Chlorotoluene
Concen: 21.232 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VD066826.D
Acq: 23 Sep 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.0	51.0

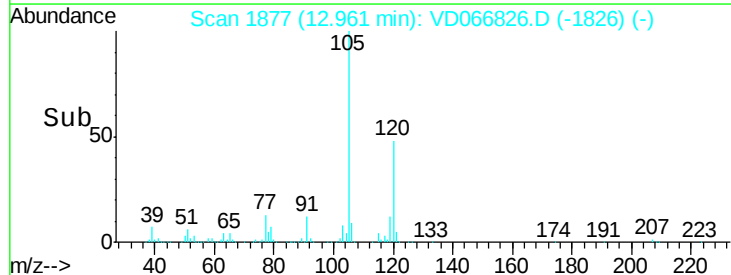
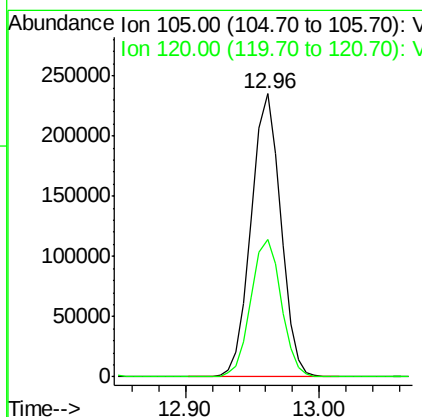
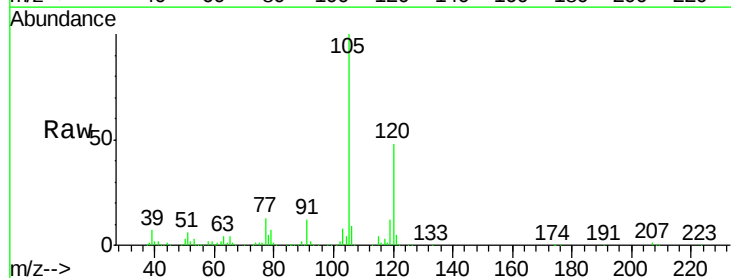
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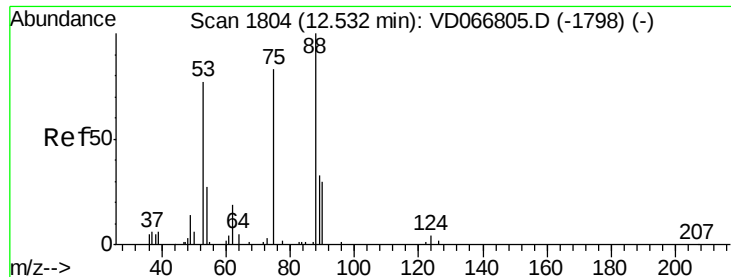
MMDadoda
9/24/2020 1:36:45 PM



#80
1,3,5-Trimethylbenzene
Concen: 21.657 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VD066826.D
Acq: 23 Sep 2020 11:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.8	24.4	73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 17.290 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066826.D

Acq: 23 Sep 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

Tot Ion: 75 Resp: 15539

Ion Ratio Lower Upper

75 100

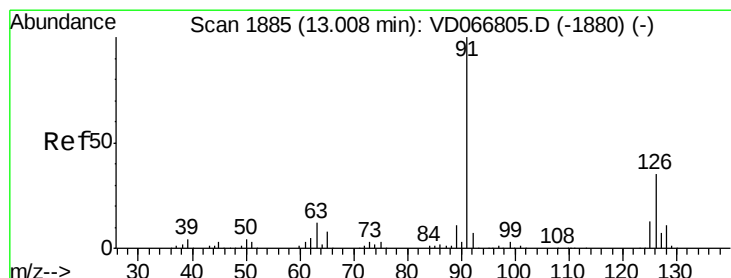
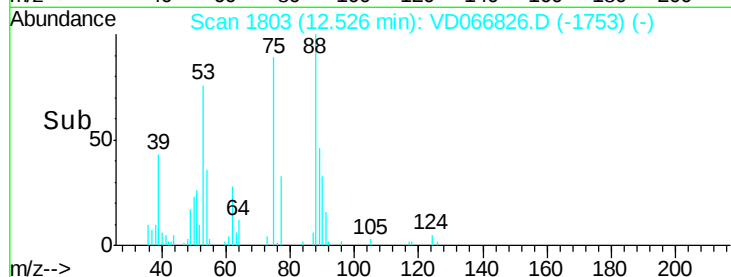
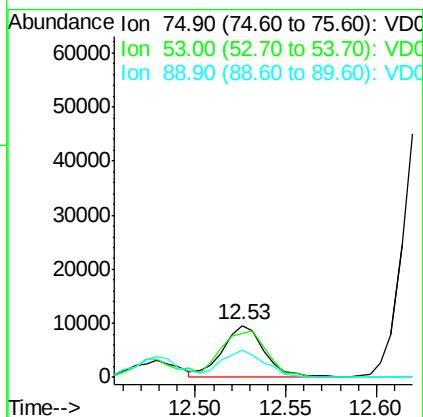
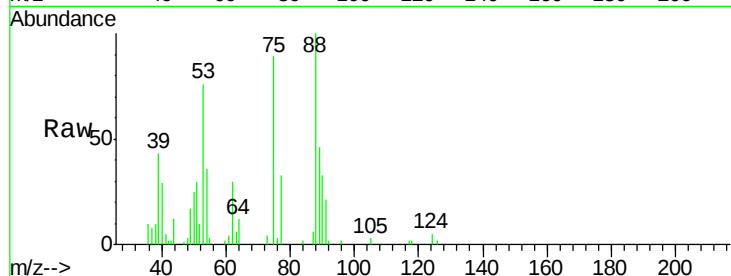
53 97.3 78.5 117.7

89 53.0 38.1 57.1

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#82

4-Chlorotoluene

Concen: 21.626 ug/l

RT: 13.00 min Scan# 1884

Delta R.T. -0.01 min

Lab File: VD066826.D

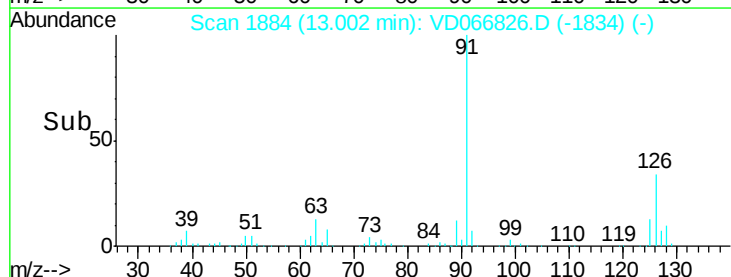
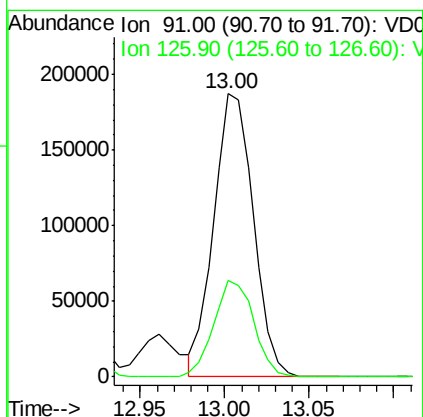
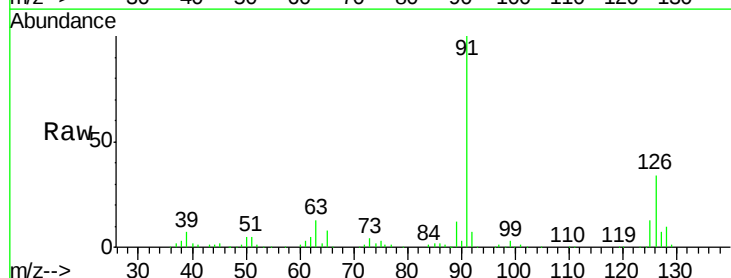
Acq: 23 Sep 2020 11:22

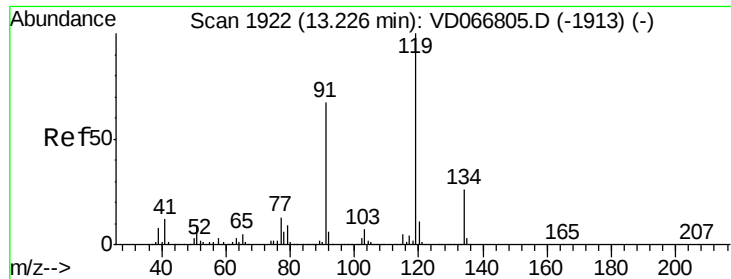
Tgt Ion: 91 Resp: 306334

Ion Ratio Lower Upper

91 100

126 34.4 17.1 51.2





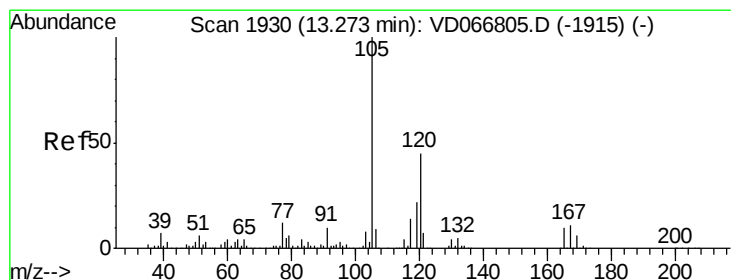
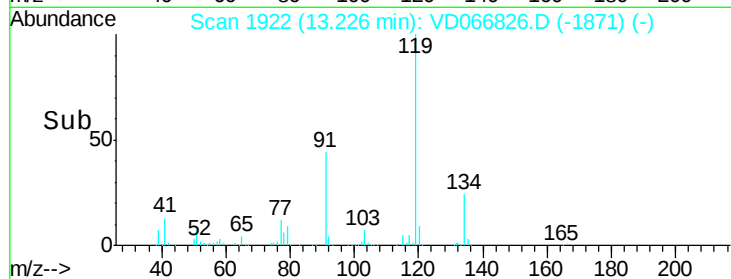
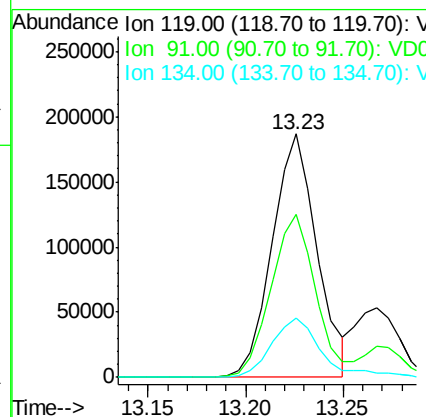
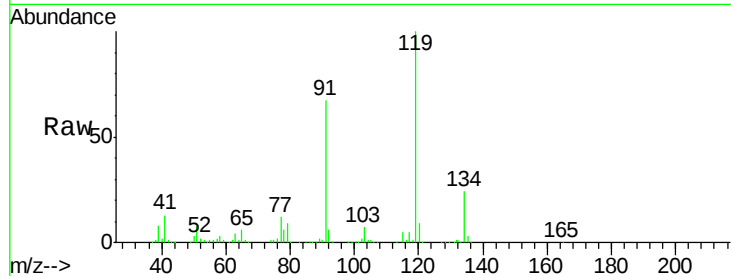
#83
tert-Butylbenzene
Concen: 21.714 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD066826.D
Acq: 23 Sep 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	296760		
91	66.1	33.6	100.8	
134	27.1	13.5	40.4	

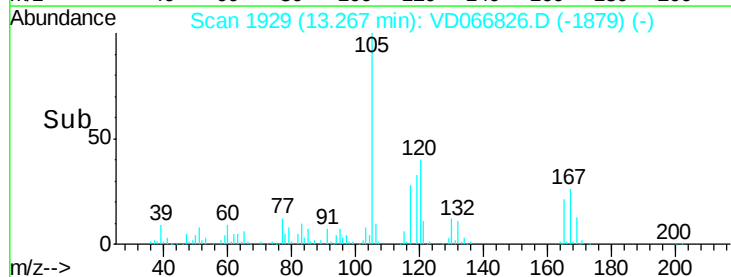
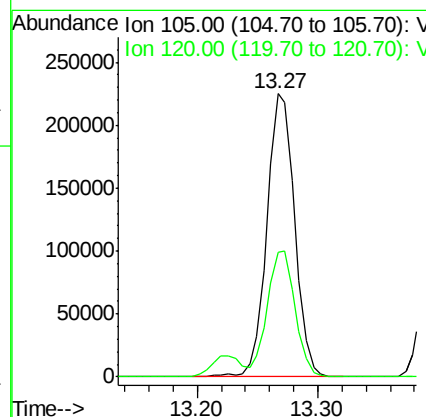
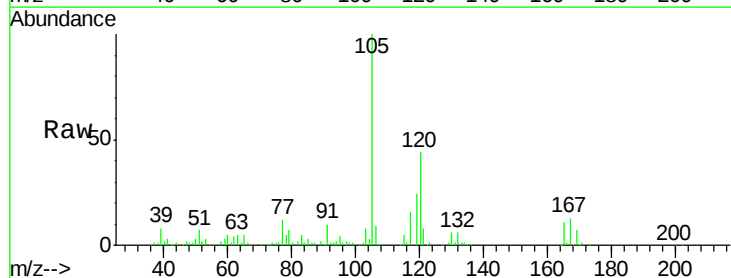
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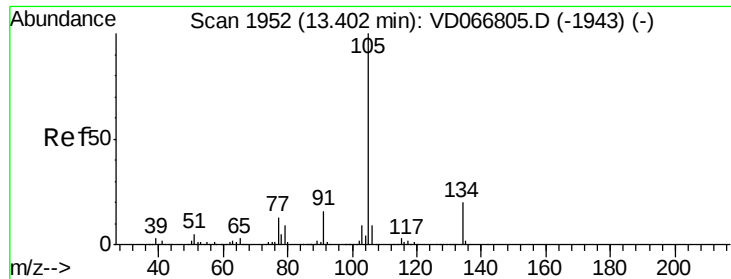
MMDadoda
9/24/2020 1:36:45 PM



#84
1,2,4-Trimethylbenzene
Concen: 21.859 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.01 min
Lab File: VD066826.D
Acq: 23 Sep 2020 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	360507		
120	44.6	22.3	66.9	





#85

sec-Butylbenzene

Concen: 21.593 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066826.D

Acq: 23 Sep 2020 11:22

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

Tot Ion:105 Resp: 424362

Ion Ratio Lower Upper

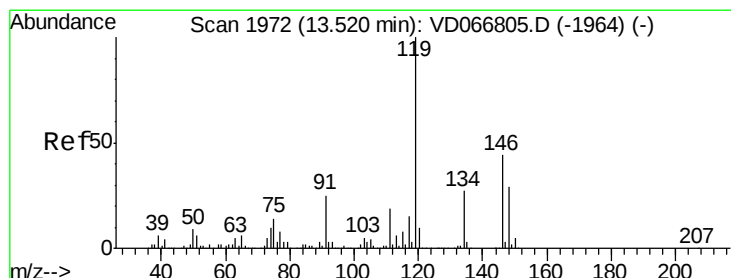
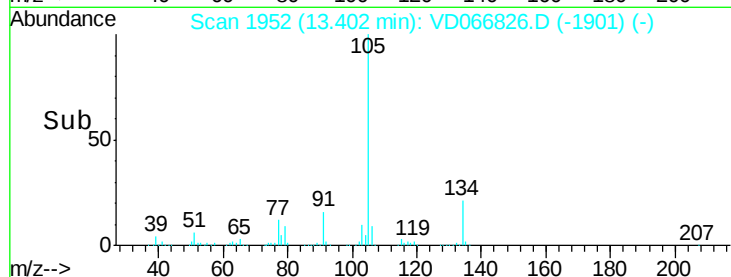
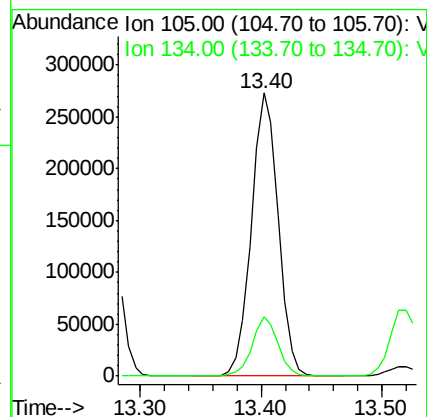
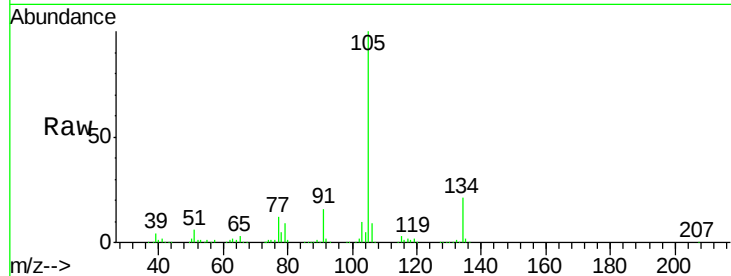
105 100

134 20.0 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 22.255 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066826.D

Acq: 23 Sep 2020 11:22

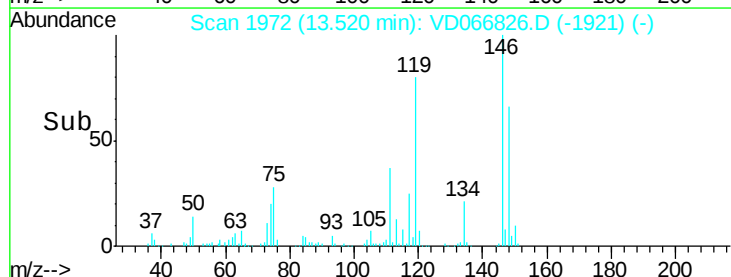
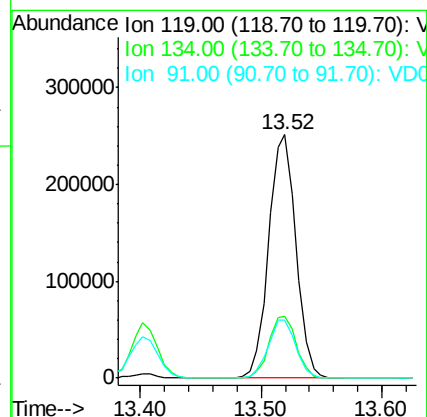
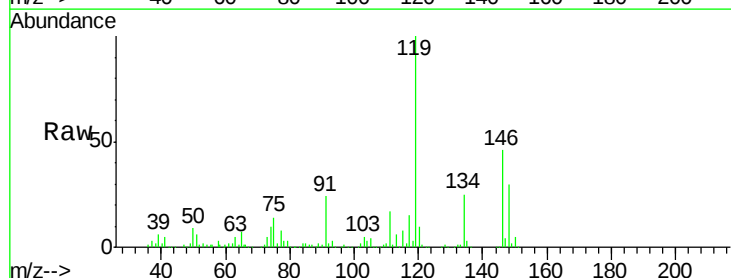
Tgt Ion:119 Resp: 394242

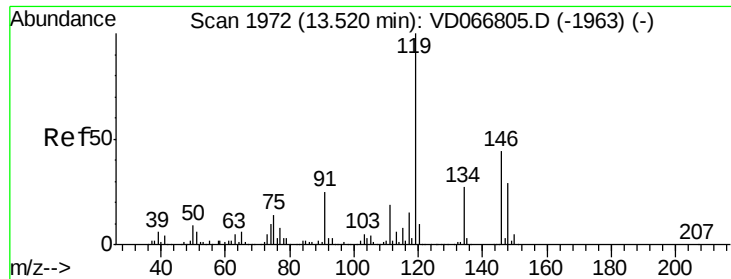
Ion Ratio Lower Upper

119 100

134 25.9 13.0 38.9

91 24.1 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 21.492 ug/l

RT: 13.51 min Scan# 1971

Delta R.T. -0.01 min

Lab File: VD066826.D

Acq: 23 Sep 2020 11:22

Instrument :

MSVOA_D

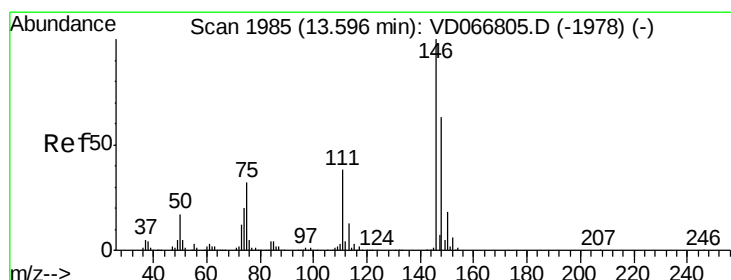
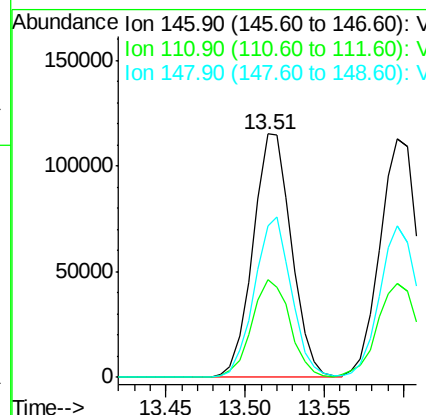
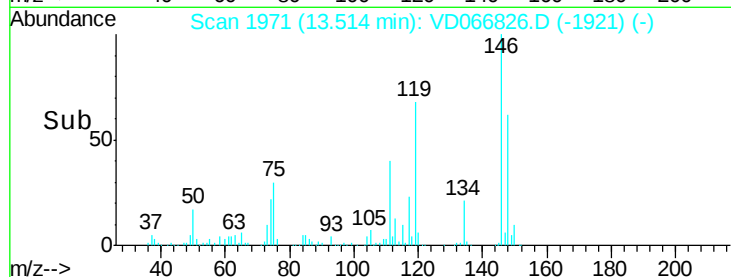
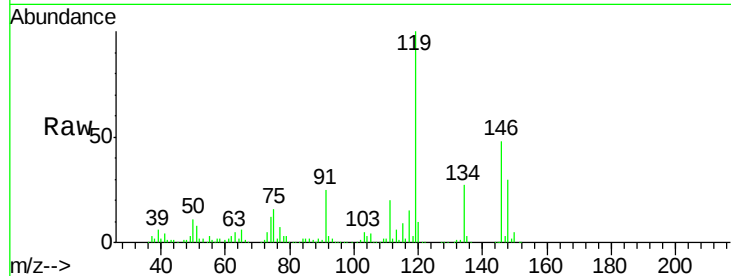
ClientSampleId :

VD0923SBS01

Tot Ion:	146	Resp:	194645
Ion Ratio	Lower	Upper	
146	100		
111	40.0	20.3	60.9
148	63.2	31.9	95.5

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#88

1,4-Dichlorobenzene

Concen: 21.090 ug/l

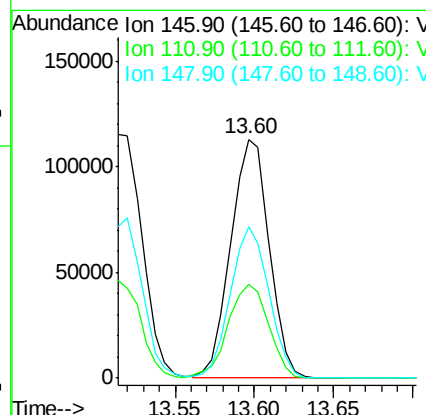
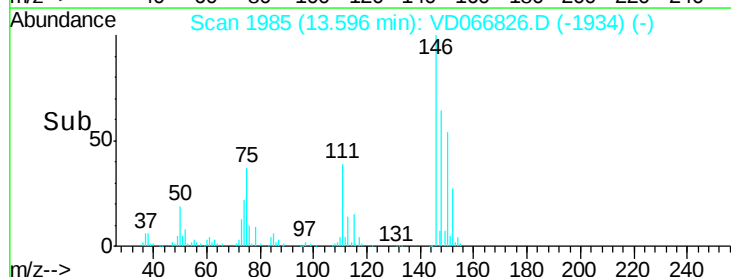
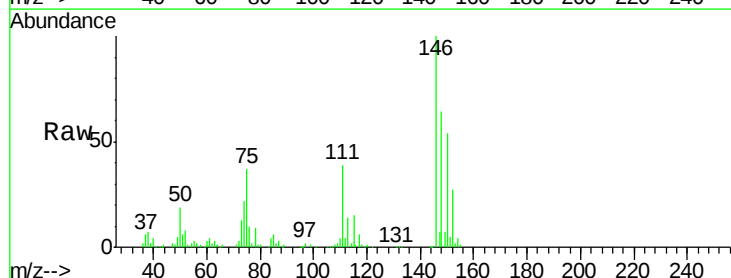
RT: 13.60 min Scan# 1985

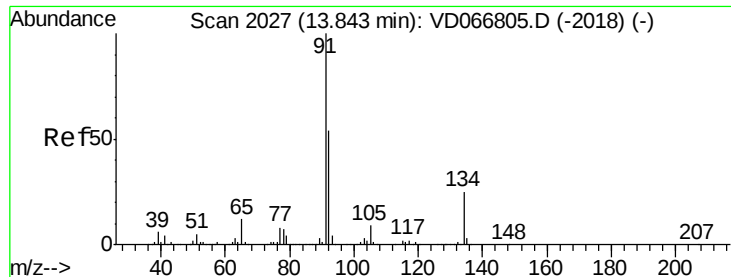
Delta R.T. -0.00 min

Lab File: VD066826.D

Acq: 23 Sep 2020 11:22

Tgt Ion:	146	Resp:	189710
Ion Ratio	Lower	Upper	
146	100		
111	41.7	20.2	60.5
148	63.4	31.6	94.7





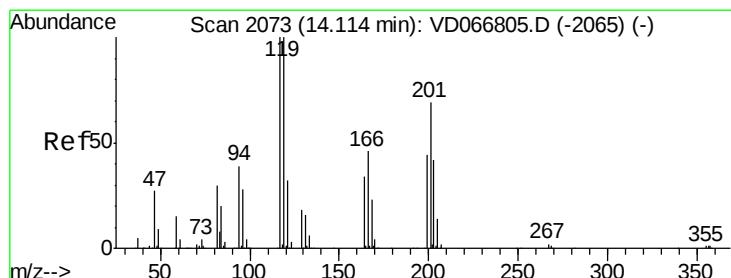
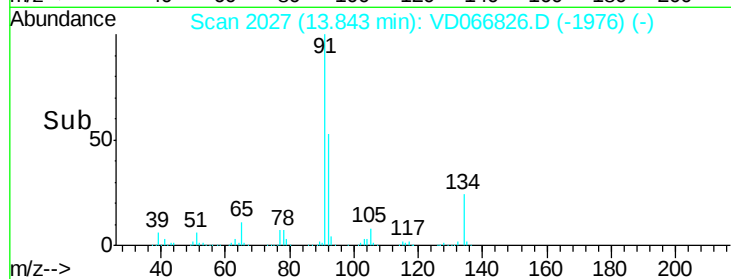
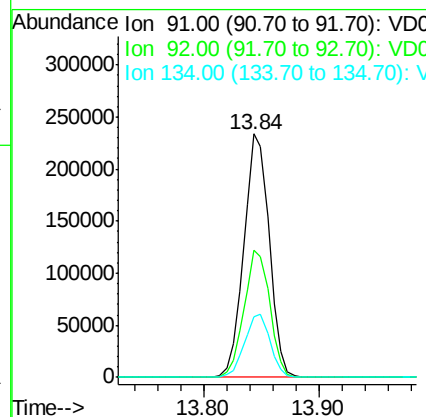
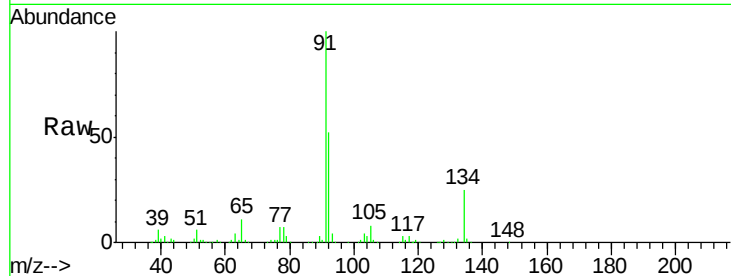
#89
n-Butylbenzene
Concen: 21.141 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD066826.D
Acq: 23 Sep 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.0	26.7	80.0	
134	26.0	13.1	39.1	

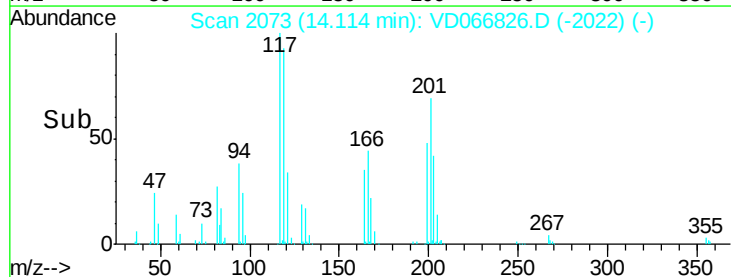
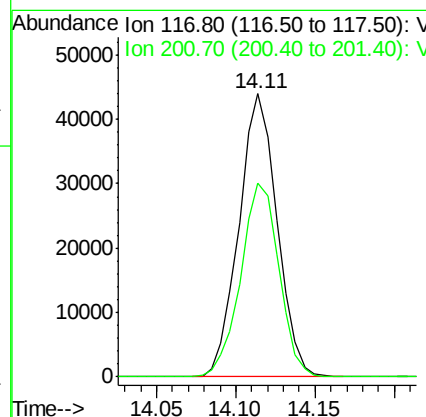
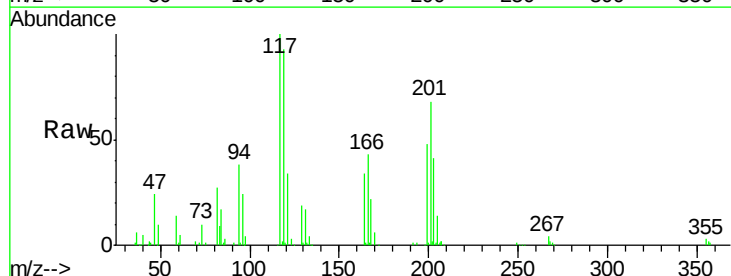
Manual Integrations
APPROVED

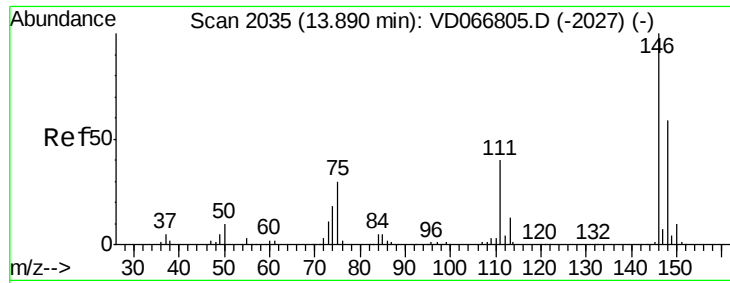
MMDadoda
9/24/2020 1:36:45 PM



#90
Hexachloroethane
Concen: 20.402 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066826.D
Acq: 23 Sep 2020 11:22

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





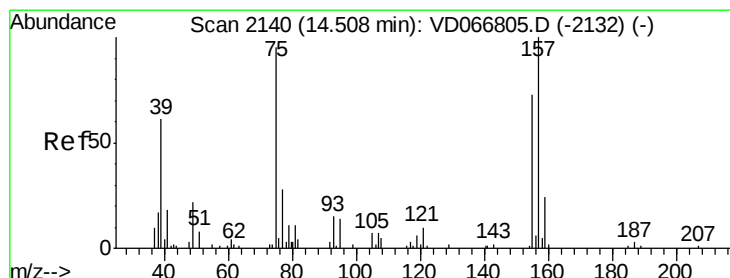
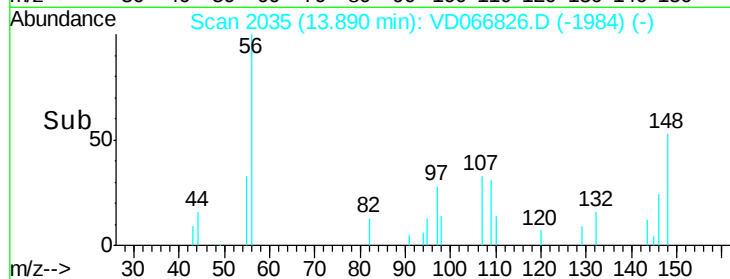
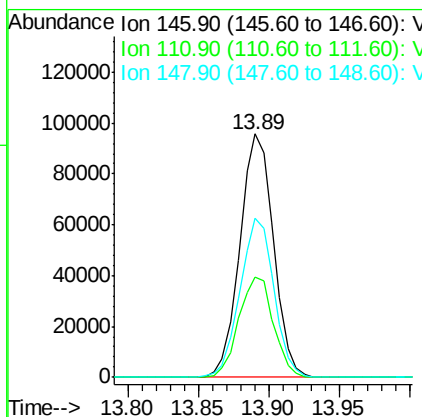
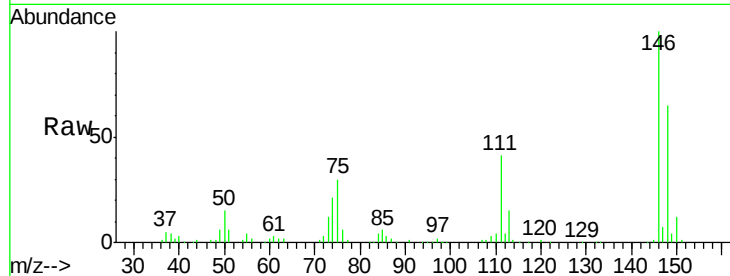
#91
 1,2-Dichlorobenzene
 Concen: 20.612 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD066826.D
 Acq: 23 Sep 2020 11:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.9	62.7
148	65.8	31.8	95.3

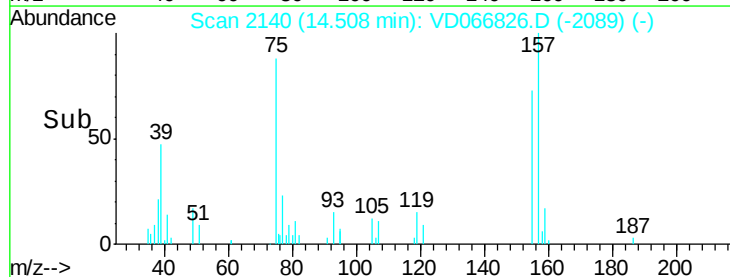
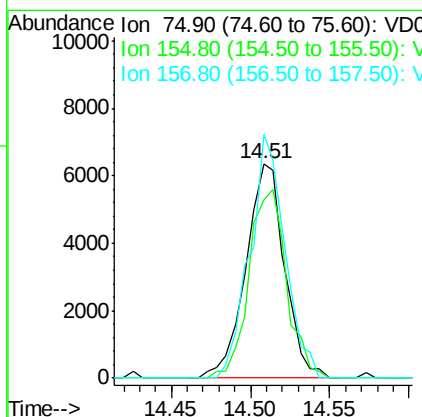
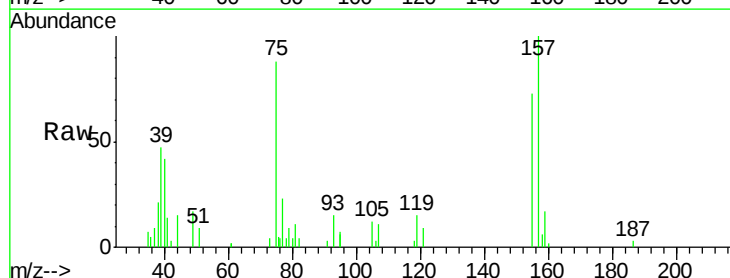
Manual Integrations
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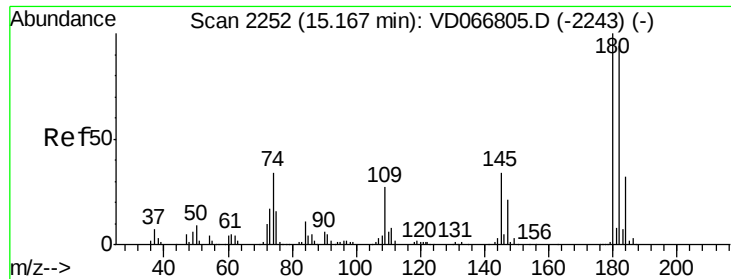
MMDadoda
 9/24/2020 1:36:45 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.806 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.00 min
 Lab File: VD066826.D
 Acq: 23 Sep 2020 11:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.5	40.4	121.2
157	103.1	51.3	153.9





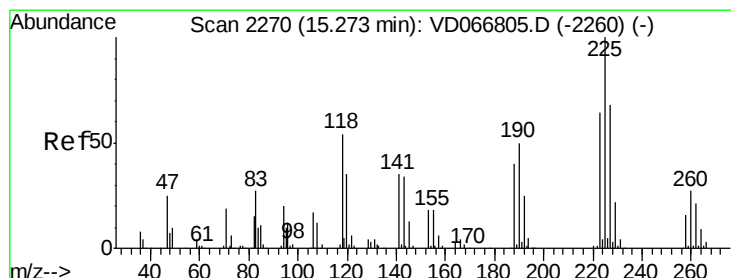
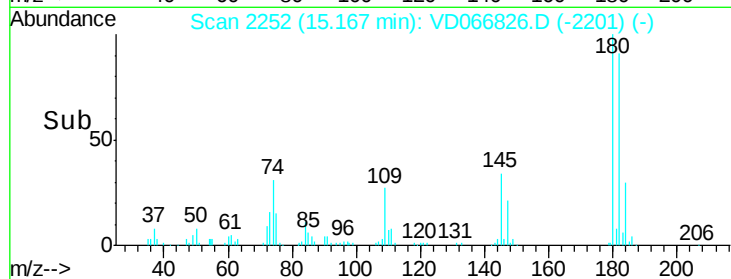
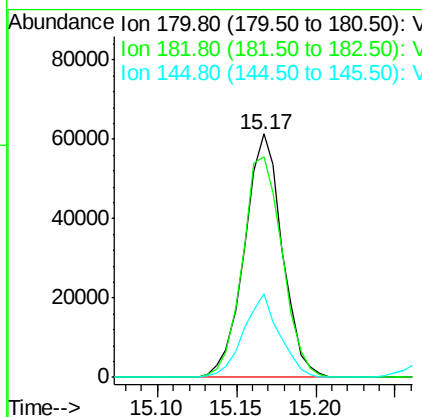
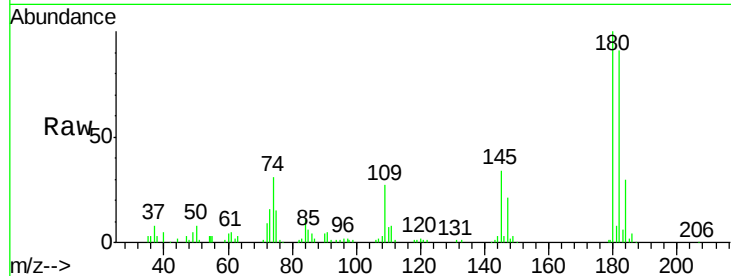
#93
 1,2,4-Trichlorobenzene
 Concen: 20.825 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066826.D
 Acq: 23 Sep 2020 11:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	101580		
182	95.5	48.8	146.3	
145	32.5	16.7	50.0	

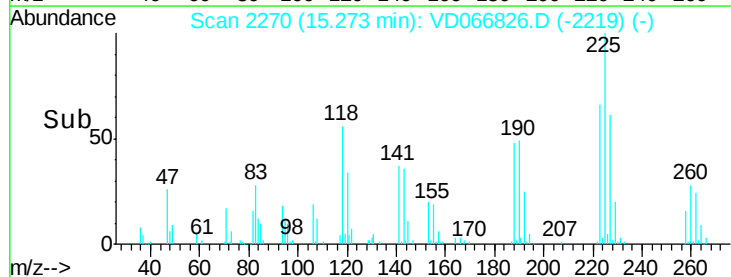
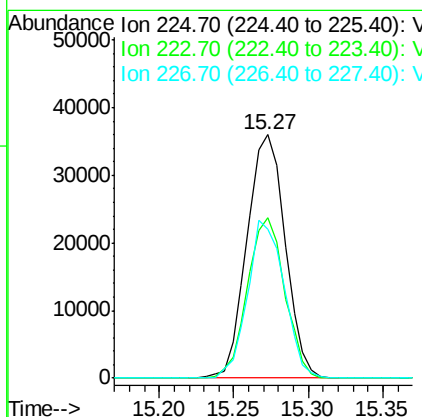
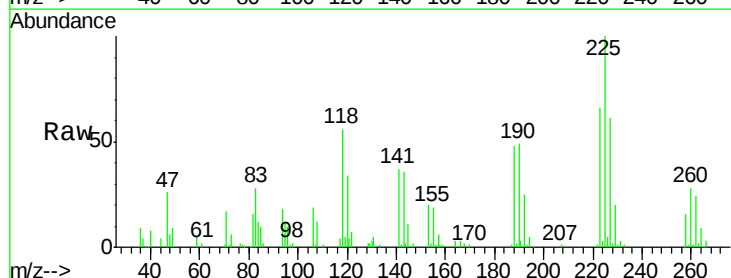
Manual Integrations
 APPROVED

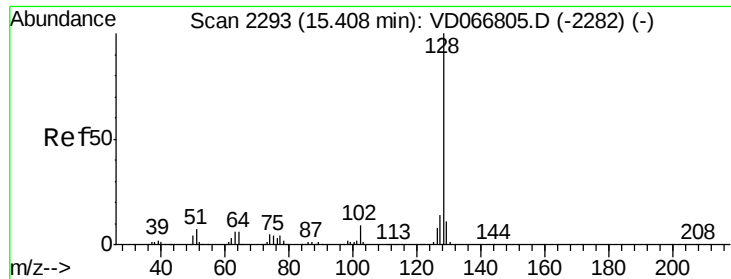
MMDadoda
 9/24/2020 1:36:45 PM



#94
 Hexachlorobutadiene
 Concen: 21.790 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066826.D
 Acq: 23 Sep 2020 11:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	63690		
223	64.4	31.1	93.3	
227	62.0	31.7	95.1	





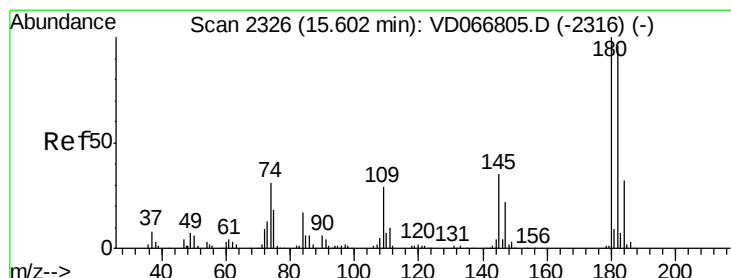
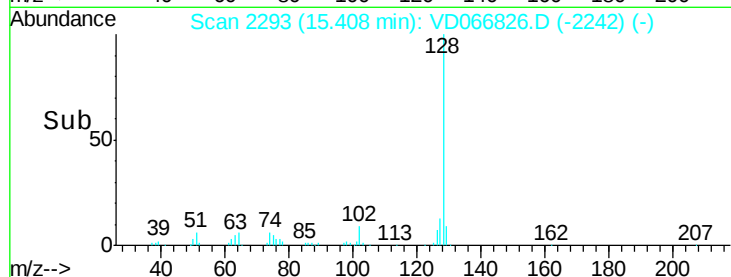
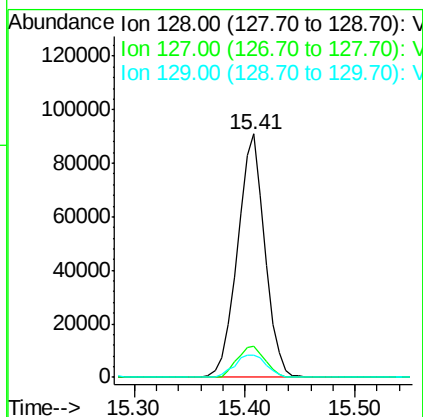
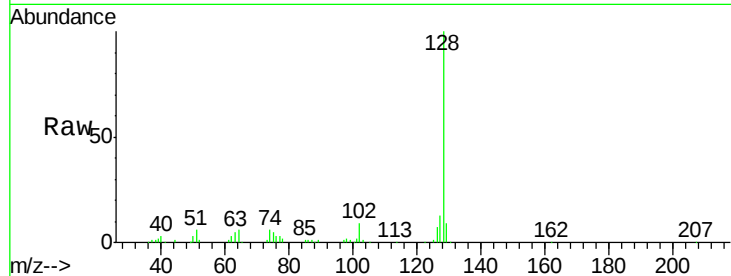
#95
Naphthalene
Concen: 19.071 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066826.D
Acq: 23 Sep 2020 11:22

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	16.0
129	10.8	8.9	13.3

Manual Integrations
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9/24/2020 1:36:45 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.203 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD066826.D
Acq: 23 Sep 2020 11:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	46.8	140.3
145	33.1	17.0	51.0

