

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090320\
 Data File : VD066545.D
 Acq On : 03 Sep 2020 20:28
 Operator : VA/SY
 Sample : VD0903SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0903SBS01

Manual Integrations
 APPROVED

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 9/4/2020 4:55:05 PM

Quant Time: Sep 04 06:13:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	350088	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	583695	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	537034	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	246927	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	219476	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	
35) Dibromofluoromethane	7.91	113	200612	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
50) Toluene-d8	10.34	98	741764	52.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.42%	
62) 4-Bromofluorobenzene	12.63	95	241355	51.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	66521	20.700	ug/l	98
3) Chloromethane	2.21	50	95850	21.649	ug/l	97
4) Vinyl Chloride	2.35	62	103567	21.091	ug/l	97
5) Bromomethane	2.76	94	73658	21.097	ug/l	86
6) Chloroethane	2.92	64	66064	21.181	ug/l	95
7) Trichlorofluoromethane	3.27	101	144650	19.940	ug/l	99
8) Diethyl Ether	3.71	74	35868	19.636	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	75579	19.251	ug/l	98
10) Methyl Iodide	4.30	142	66677	21.144	ug/l	99
11) Tert butyl alcohol	5.20	59	39166	125.150	ug/l #	74
12) 1,1-Dichloroethene	4.07	96	69531	19.713	ug/l	94
13) Acrolein	3.93	56	17700	102.199	ug/l	94
14) Allyl chloride	4.71	41	118659	20.527	ug/l	99
15) Acrylonitrile	5.43	53	84192	107.292	ug/l	99
16) Acetone	4.16	43	66595	85.448	ug/l	96
17) Carbon Disulfide	4.41	76	236023	20.355	ug/l	99
18) Methyl Acetate	4.71	43	48071	25.875	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	170751	20.644	ug/l	98
20) Methylene Chloride	4.97	84	100359	19.605	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	83617	19.963	ug/l	93
22) Diisopropyl ether	6.36	45	252257	21.221	ug/l	98
23) Vinyl Acetate	6.30	43	684230	101.147	ug/l	100
24) 1,1-Dichloroethane	6.27	63	153487	20.532	ug/l	99
25) 2-Butanone	7.21	43	106298	101.603	ug/l	98
26) 2,2-Dichloropropane	7.20	77	124903	18.215	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	92384	20.511	ug/l	99
28) Bromochloromethane	7.54	49	56730	19.712	ug/l	98
29) Tetrahydrofuran	7.56	42	69544	106.733	ug/l	98
30) Chloroform	7.71	83	163558	20.681	ug/l	94
31) Cyclohexane	7.98	56	131673	19.055	ug/l #	87
32) 1,1,1-Trichloroethane	7.90	97	144604	19.448	ug/l	99
36) 1,1-Dichloropropene	8.11	75	123784	20.378	ug/l	96
37) Ethyl Acetate	7.28	43	50940	21.060	ug/l	98
38) Carbon Tetrachloride	8.09	117	128949	20.083	ug/l	97

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Quant Time: Sep 04 06:13:08 2020
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 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	130789	19.282	ug/l	97
40) Benzene	8.35	78	332722	19.999	ug/l	99
41) Methacrylonitrile	7.51	41	22927	19.581	ug/l #	59
42) 1,2-Dichloroethane	8.42	62	112069	20.791	ug/l	99
43) Isopropyl Acetate	8.44	43	94734	20.437	ug/l	97
44) Trichloroethene	9.11	130	90098	20.646	ug/l	98
45) 1,2-Dichloropropane	9.38	63	85777	20.502	ug/l	94
46) Dibromomethane	9.47	93	46745	20.251	ug/l	98
47) Bromodichloromethane	9.66	83	126672	20.284	ug/l	98
48) Methyl methacrylate	9.46	41	44516	18.992	ug/l	92
49) 1,4-Dioxane	9.45	88	9655	381.268	ug/l #	86
51) 4-Methyl-2-Pentanone	10.23	43	243903	104.331	ug/l	96
52) Toluene	10.40	92	214235	20.343	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	109797	19.916	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	130981	19.784	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	61464	20.710	ug/l	98
56) Ethyl methacrylate	10.66	69	70865	20.507	ug/l	96
57) 1,3-Dichloropropane	10.94	76	105887	20.369	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	183542	116.124	ug/l	99
59) 2-Hexanone	10.98	43	162085	103.100	ug/l	100
60) Dibromochloromethane	11.14	129	78811	20.081	ug/l	98
61) 1,2-Dibromoethane	11.24	107	58793	20.362	ug/l	100
64) Tetrachloroethene	10.87	164	72188	19.964	ug/l	93
65) Chlorobenzene	11.67	112	223159	20.133	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	84005	19.858	ug/l	99
67) Ethyl Benzene	11.74	91	395416	19.429	ug/l	98
68) m/p-Xylenes	11.85	106	303032	40.100	ug/l	98
69) o-Xylene	12.18	106	135445	19.999	ug/l	99
70) Styrene	12.19	104	237941	20.209	ug/l	99
71) Bromoform	12.36	173	42638	20.000	ug/l #	97
73) Isopropylbenzene	12.48	105	366435	20.043	ug/l	100
74) N-amyl acetate	12.29	43	82654	19.961	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	65921	20.410	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	56153m	23.646	ug/l	
77) Bromobenzene	12.76	156	84006	20.610	ug/l	99
78) n-propylbenzene	12.82	91	448587	20.241	ug/l	99
79) 2-Chlorotoluene	12.91	91	256831	20.657	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	322003	20.926	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	20237	19.895	ug/l	99
82) 4-Chlorotoluene	13.01	91	273055	20.537	ug/l	99
83) tert-Butylbenzene	13.23	119	254812	20.278	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	322881	21.076	ug/l	98
85) sec-Butylbenzene	13.40	105	367992	20.327	ug/l	99
86) p-Isopropyltoluene	13.52	119	329544	20.224	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	161882	20.006	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	165303	20.353	ug/l	98
89) n-Butylbenzene	13.85	91	312570	19.685	ug/l	99
90) Hexachloroethane	14.11	117	70329	20.031	ug/l	95
91) 1,2-Dichlorobenzene	13.89	146	142864	20.199	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10778	19.644	ug/l	97

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ClientSampleId :
VD0903SBSD01

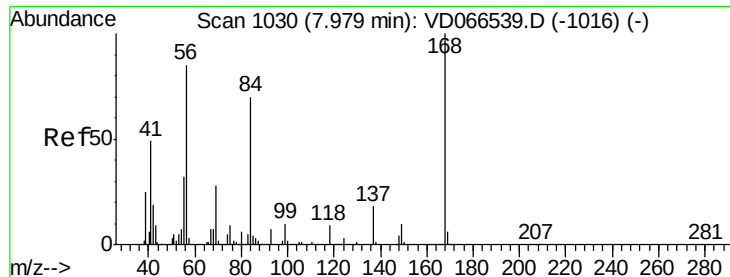
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	85306	20.097	ug/l	96
94) Hexachlorobutadiene	15.27	225	47901	18.784	ug/l	95
95) Naphthalene	15.41	128	152510	20.561	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	74881	20.692	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066545.D

Acq: 03 Sep 2020 20:28

Instrument :

MSVOA_D

ClientSampleId :

VD0903SBSD01

Tot Ion:168 Resp: 350088

Ion Ratio Lower Upper

168 100

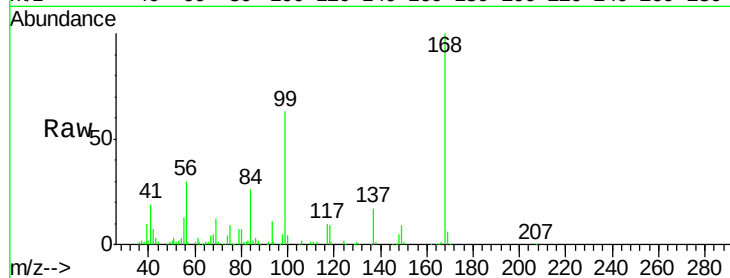
99 63.1 50.5 75.7

Manual Integrations

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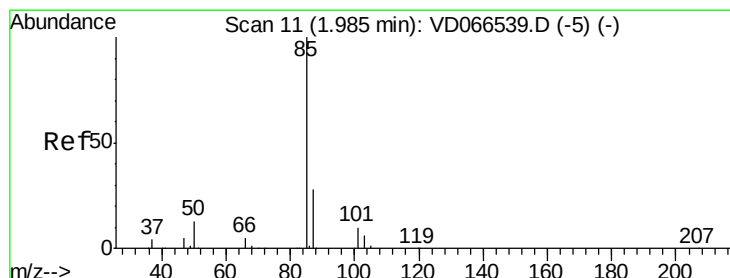
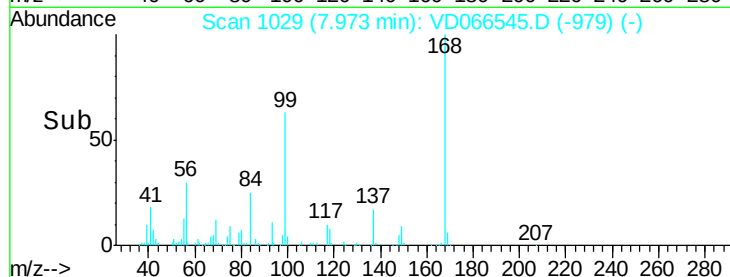
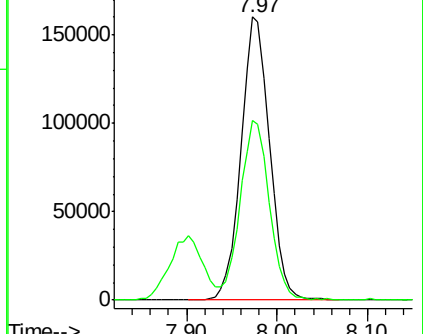
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.700 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066545.D

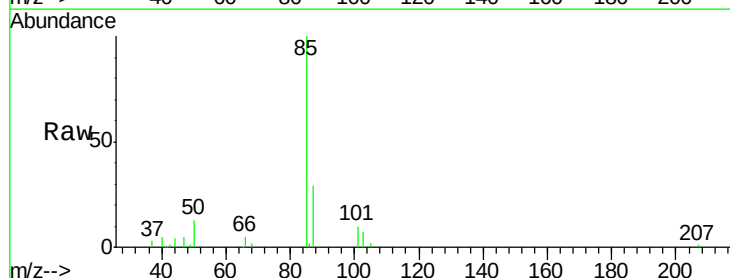
Acq: 03 Sep 2020 20:28

Tgt Ion: 85 Resp: 66521

Ion Ratio Lower Upper

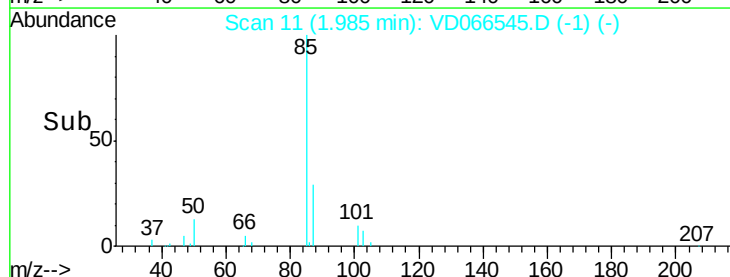
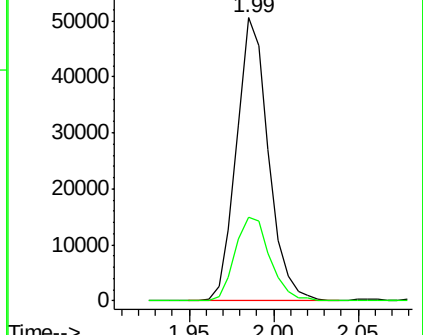
85 100

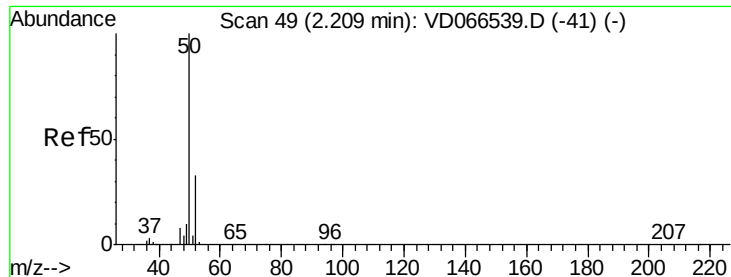
87 29.4 14.2 42.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.649 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066545.D

Acq: 03 Sep 2020 20:28

Instrument :

MSVOA_D

ClientSampleId :

VD0903SBS01

Tot Ion: 50 Resp: 95850

Ion Ratio Lower Upper

50 100

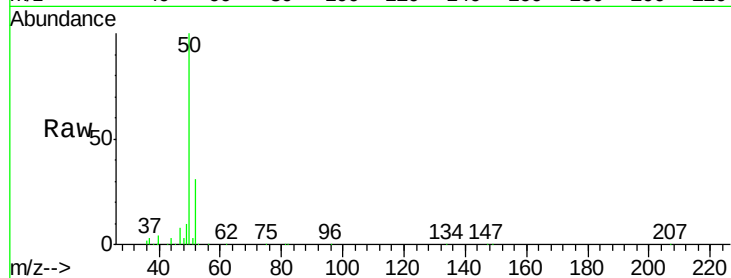
52 31.2 26.2 39.2

Manual Integrations

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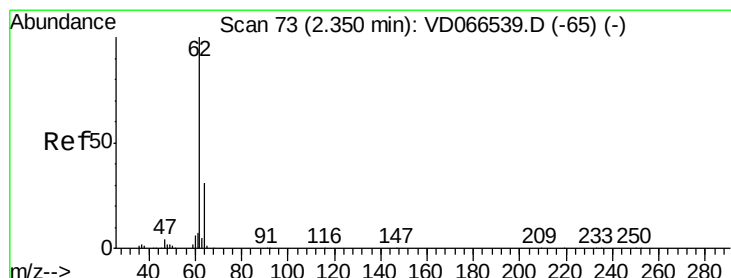
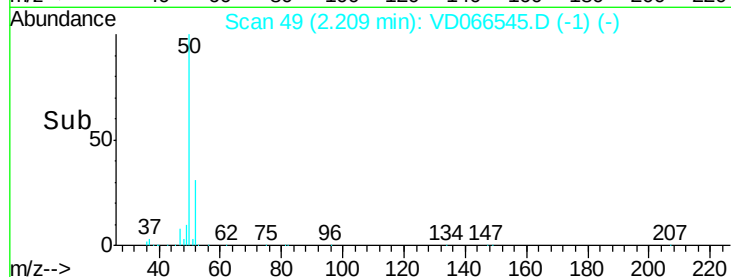
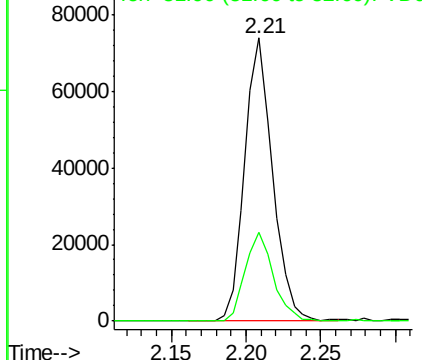
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.091 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066545.D

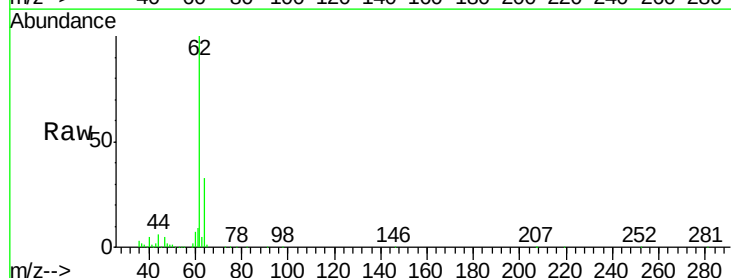
Acq: 03 Sep 2020 20:28

Tgt Ion: 62 Resp: 103567

Ion Ratio Lower Upper

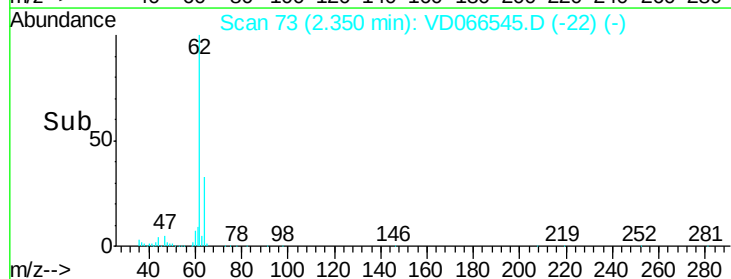
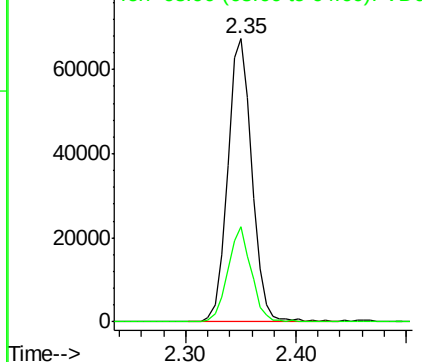
62 100

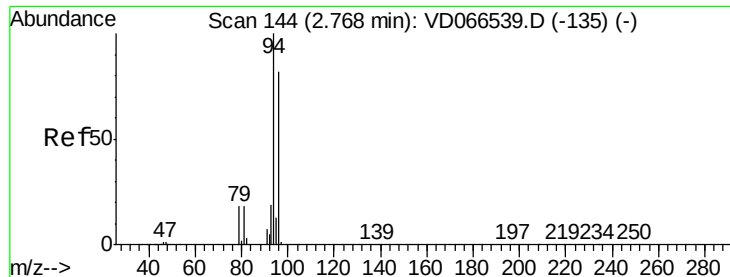
64 33.5 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.097 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD066545.D

Acq: 03 Sep 2020 20:28

Instrument :

MSVOA_D

ClientSampleId :

VD0903SBSD01

Tot Ion: 94 Resp: 73658

Ion Ratio Lower Upper

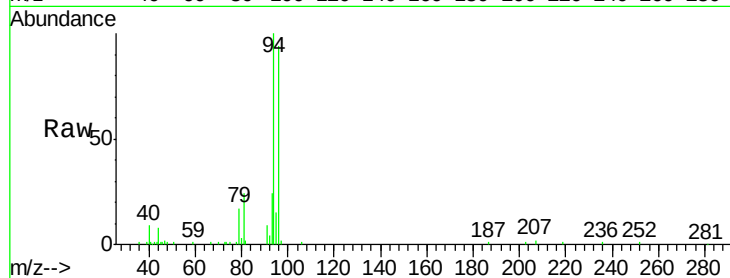
94 100

96 93.5 65.2 97.8

Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

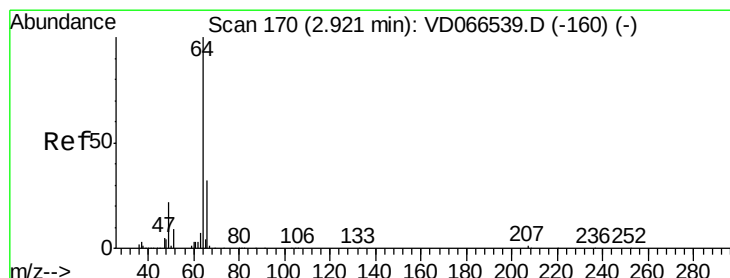
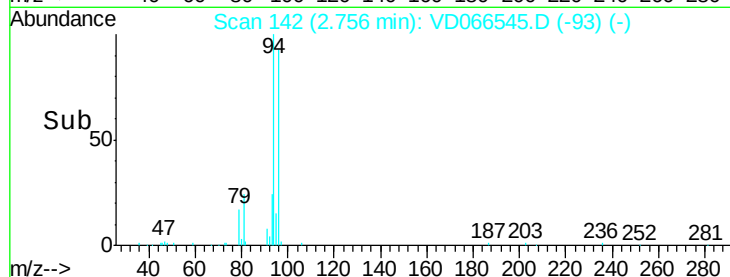
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 21.181 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066545.D

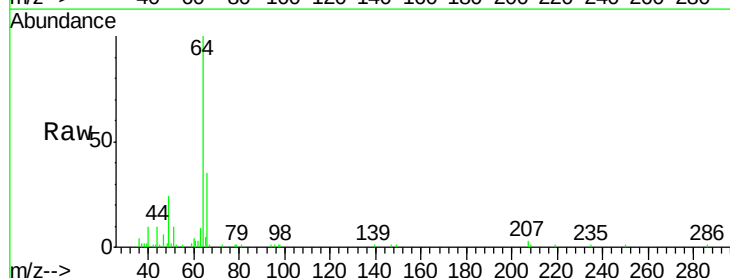
Acq: 03 Sep 2020 20:28

Tgt Ion: 64 Resp: 66064

Ion Ratio Lower Upper

64 100

66 34.7 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

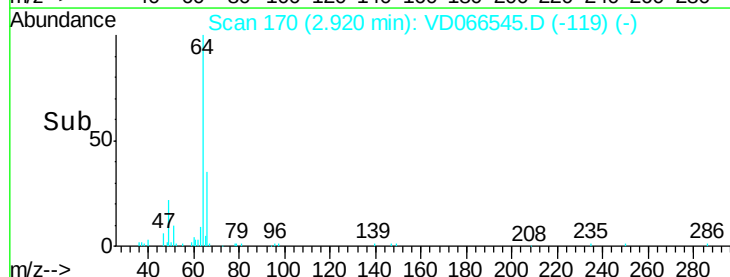
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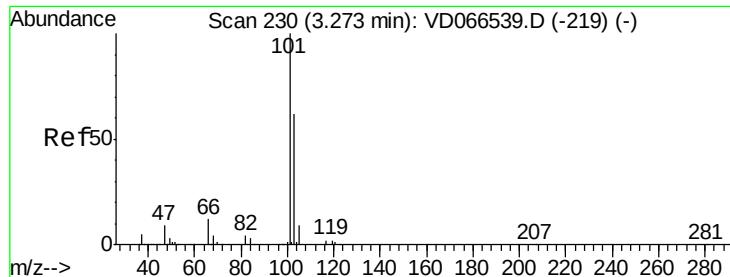
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10000

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Time-->





#7

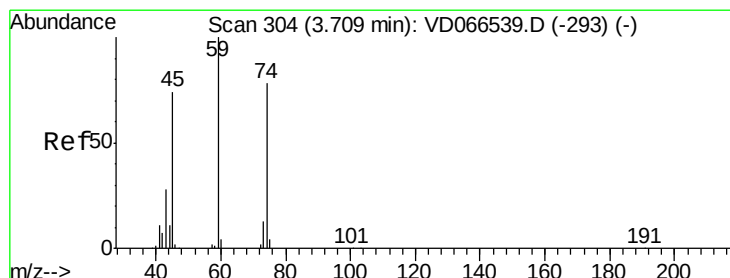
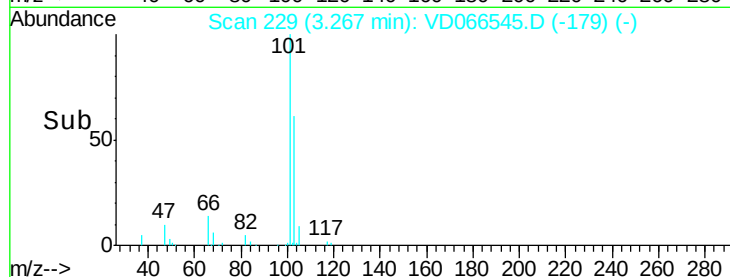
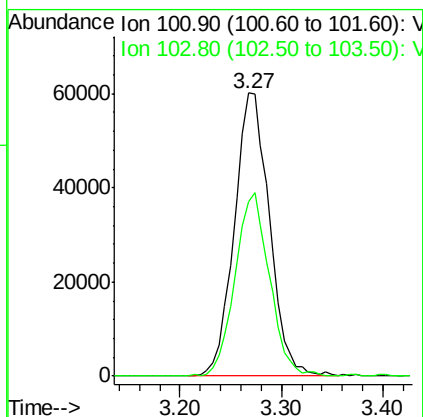
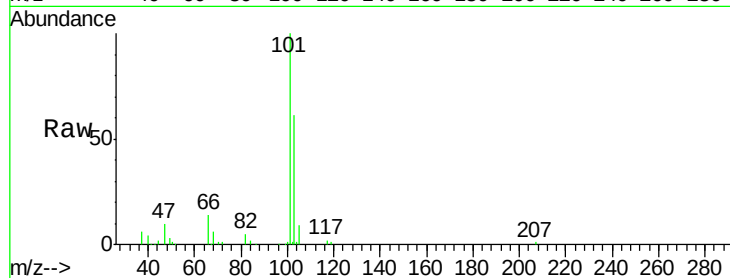
Trichlorofluoromethane
 Concen: 19.940 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD066545.D
 Acq: 03 Sep 2020 20:28

Instrument :
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 ClientSampleId :
 VD0903SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.5	49.7	74.5

Manual Integrations
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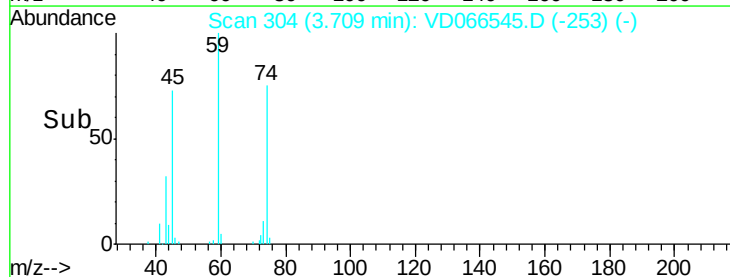
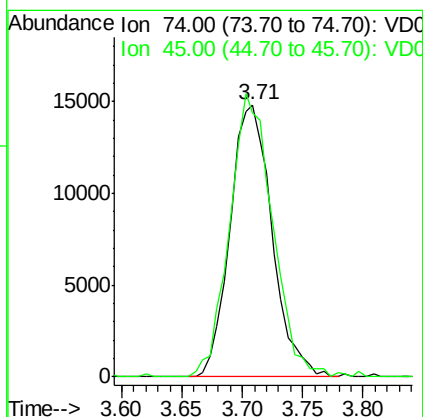
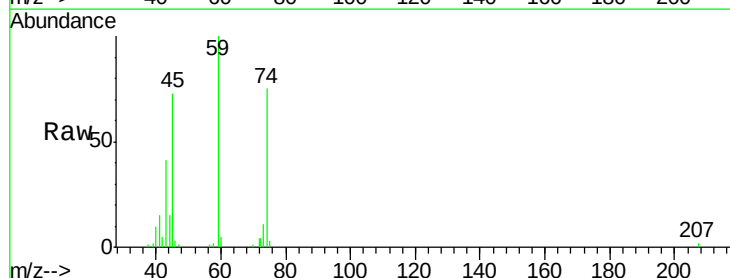
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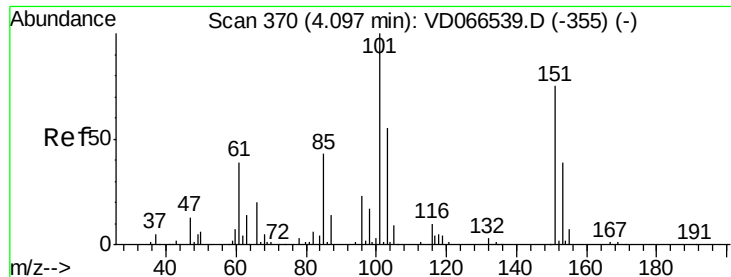


#8

Diethyl Ether
 Concen: 19.636 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD066545.D
 Acq: 03 Sep 2020 20:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.9	49.7	149.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.251 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD066545.D

Acq: 03 Sep 2020 20:28

Instrument :

MSVOA_D

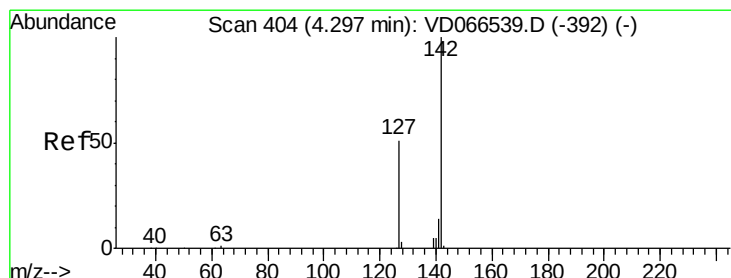
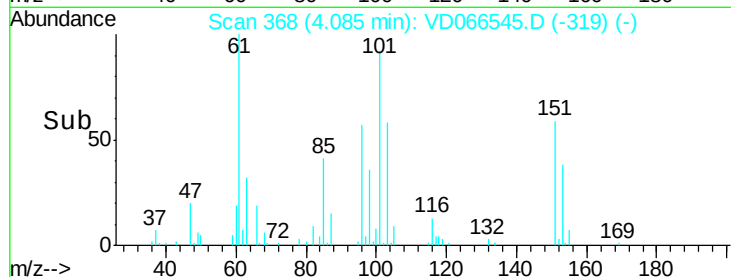
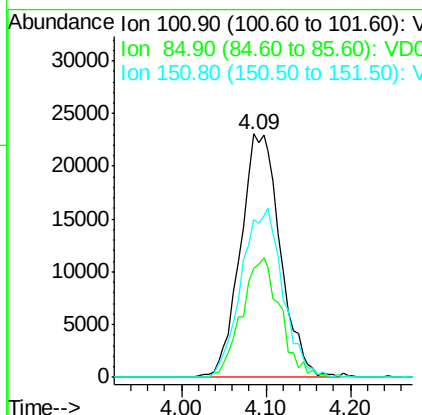
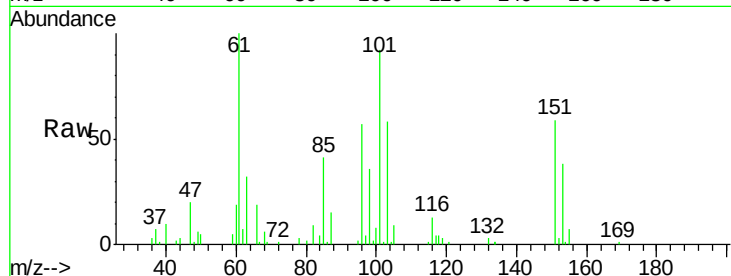
ClientSampleId :

VD0903SBS01

Tot Ion:	101	Resp:	75579
Ion Ratio	Lower	Upper	
101	100		
85	47.2	37.0	55.6
151	72.0	59.4	89.2

Manual Integrations
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#10

Methyl Iodide

Concen: 21.144 ug/l

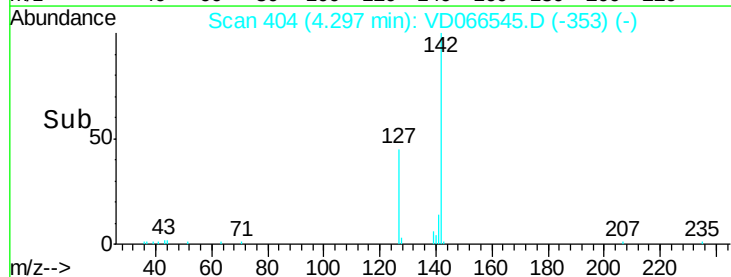
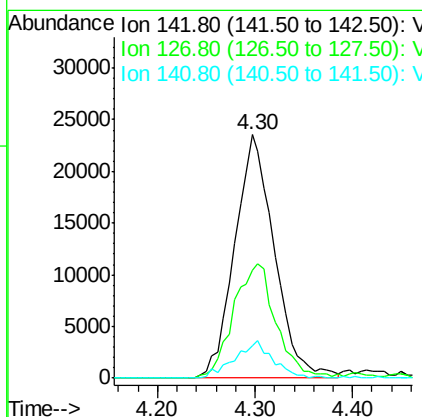
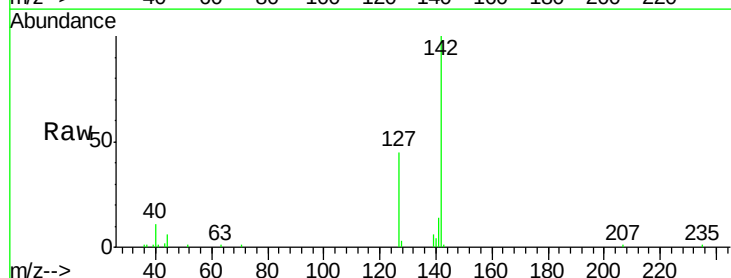
RT: 4.30 min Scan# 404

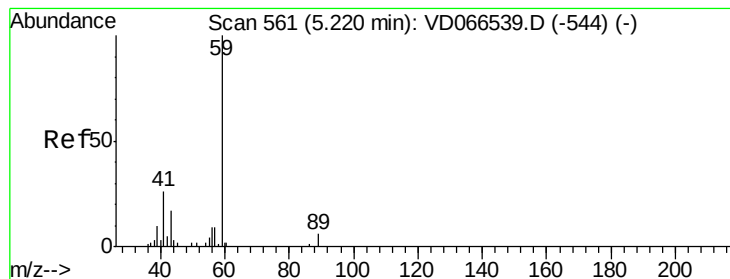
Delta R.T. 0.00 min

Lab File: VD066545.D

Acq: 03 Sep 2020 20:28

Tgt Ion:	142	Resp:	66677
Ion Ratio	Lower	Upper	
142	100		
127	50.1	40.6	61.0
141	14.6	12.2	18.4





#11

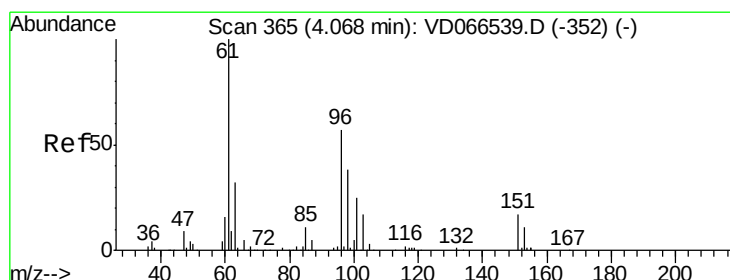
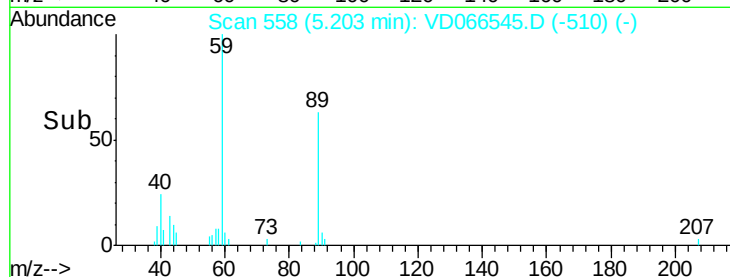
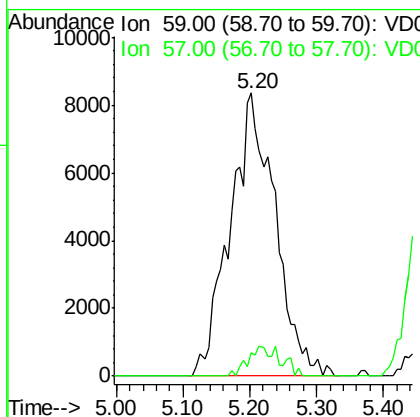
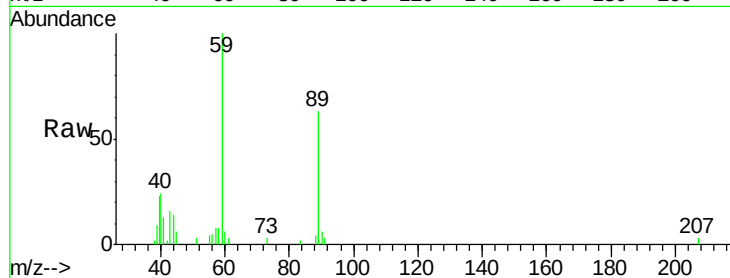
Tert butyl alcohol
 Concen: 125.150 ug/l
 RT: 5.20 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: VD066545.D
 Acq: 03 Sep 2020 20:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0903SBSD01

Tot Ion: 59 Resp: 39166
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.6 11.4#

Manual Integrations
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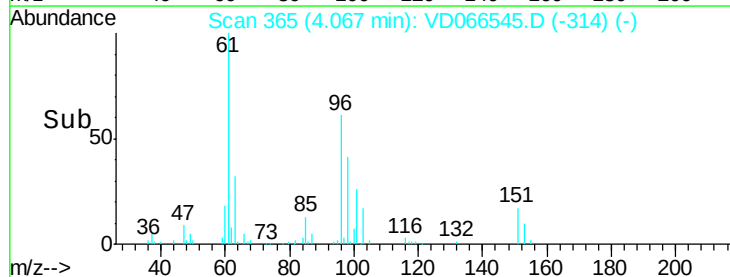
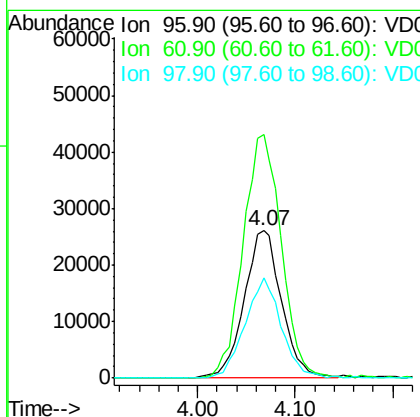
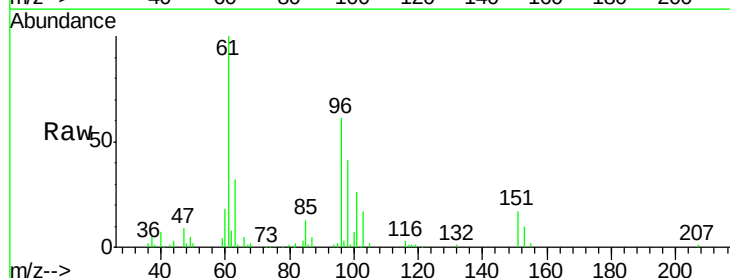
MMDadoda
 9/4/2020 4:55:05 PM

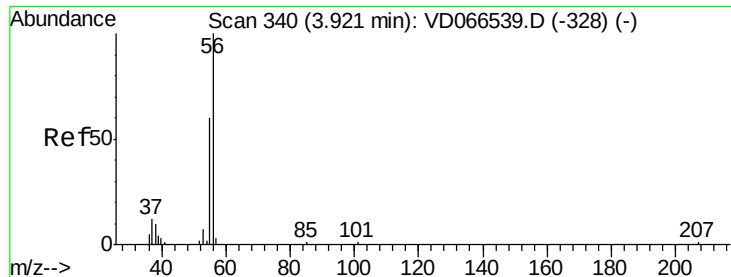


#12

1,1-Dichloroethene
 Concen: 19.713 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VD066545.D
 Acq: 03 Sep 2020 20:28

Tgt Ion: 96 Resp: 69531
 Ion Ratio Lower Upper
 96 100
 61 165.3 140.9 211.3
 98 68.2 53.2 79.8





#13

Acrolein

Concen: 102.199 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD066545.D

Acq: 03 Sep 2020 20:28

Instrument :

MSVOA_D

ClientSampleId :

VD0903SBSD01

Tot Ion: 56 Resp: 17700

Ion Ratio Lower Upper

56 100

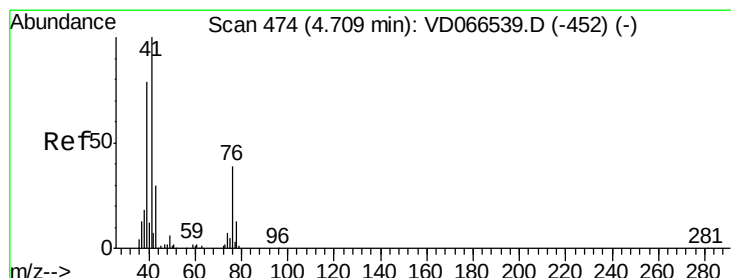
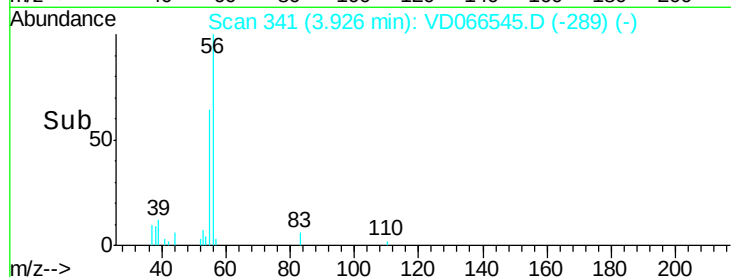
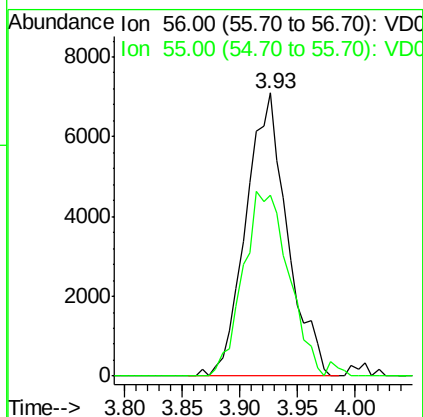
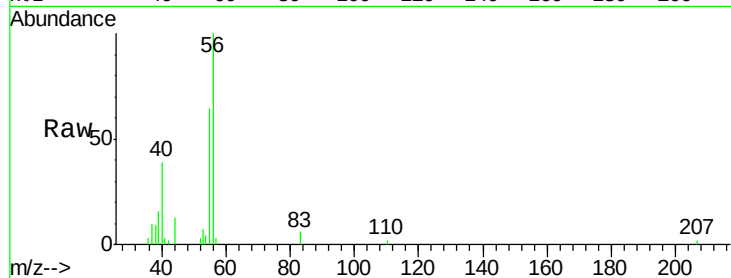
55 71.6 53.6 80.4

Manual Integrations

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#14

Allyl chloride

Concen: 20.527 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD066545.D

Acq: 03 Sep 2020 20:28

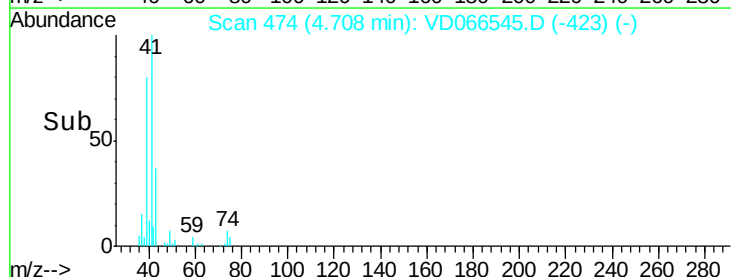
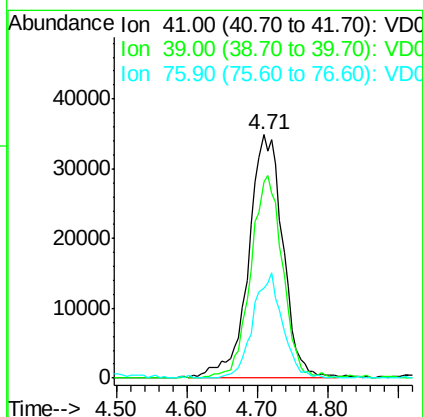
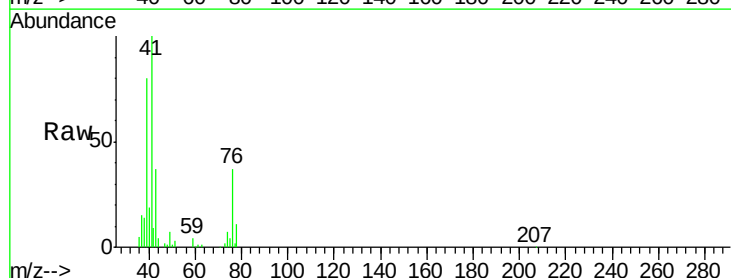
Tgt Ion: 41 Resp: 118659

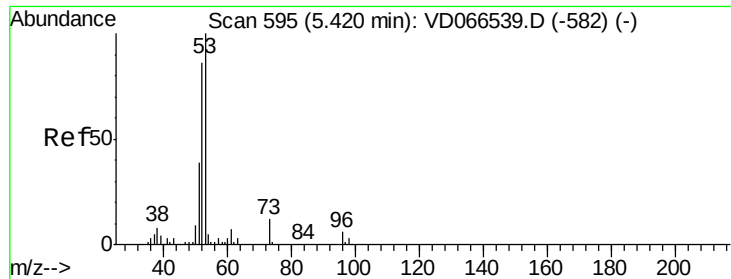
Ion Ratio Lower Upper

41 100

39 76.7 61.9 92.9

76 36.9 29.0 43.6





#15

Acrylonitrile

Concen: 107.292 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD066545.D

Acq: 03 Sep 2020 20:28

Instrument :

MSVOA_D

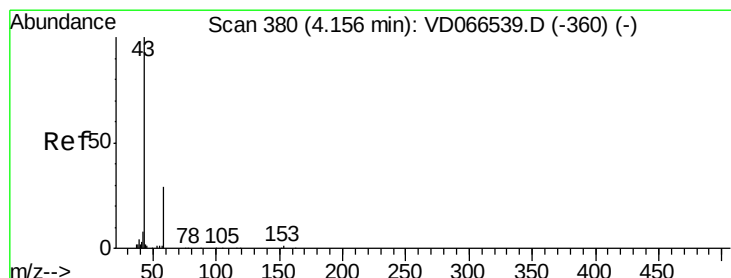
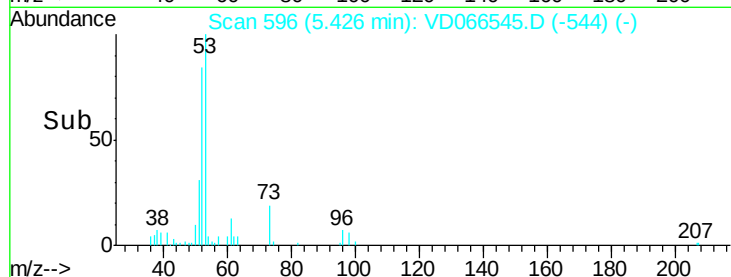
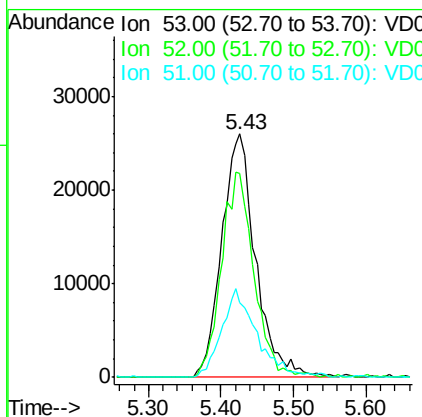
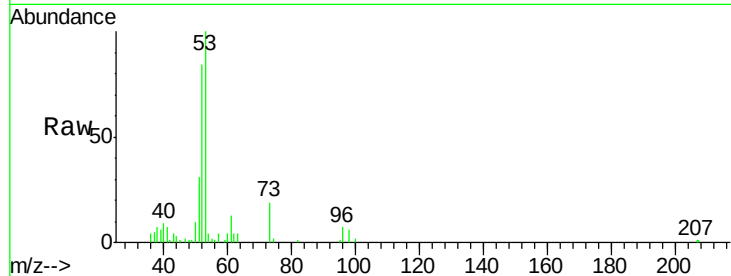
ClientSampleId :

VD0903SBS01

Tot Ion:	53	Resp:	84192
Ion Ratio	Lower	Upper	
53	100		
52	81.3	65.4	98.2
51	38.2	31.2	46.8

Manual Integrations
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#16

Acetone

Concen: 85.448 ug/l

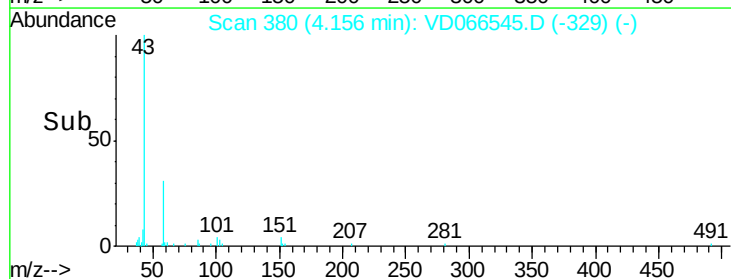
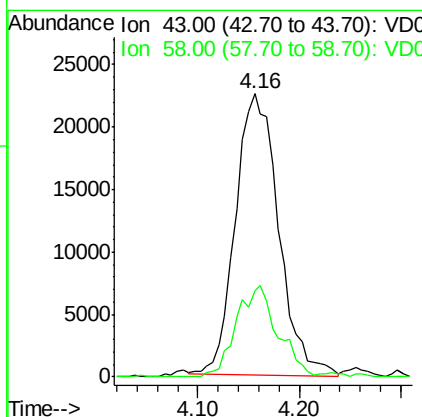
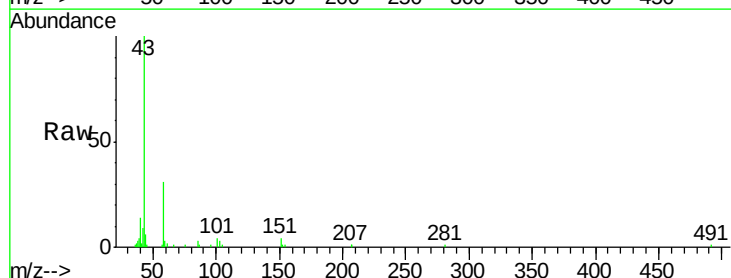
RT: 4.16 min Scan# 380

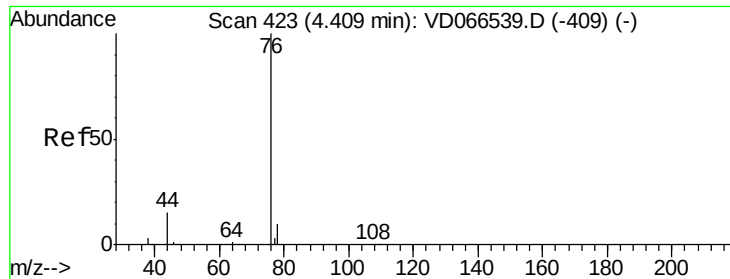
Delta R.T. -0.00 min

Lab File: VD066545.D

Acq: 03 Sep 2020 20:28

Tgt Ion:	43	Resp:	66595
Ion Ratio	Lower	Upper	
43	100		
58	30.9	22.9	34.3





#17

Carbon Disulfide

Concen: 20.355 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD066545.D

Acq: 03 Sep 2020 20:28

Instrument :

MSVOA_D

ClientSampleId :

VD0903SBSD01

Tot Ion: 76 Resp: 236023

Ion Ratio Lower Upper

76 100

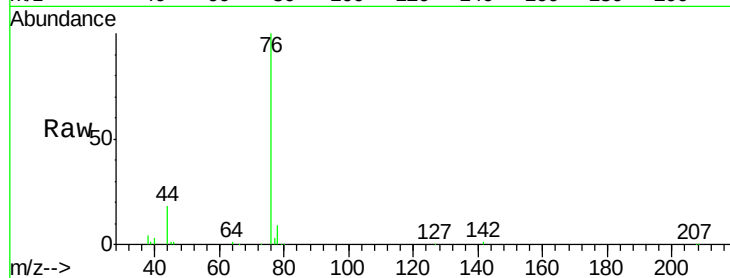
78 9.2 7.6 11.4

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.41

80000

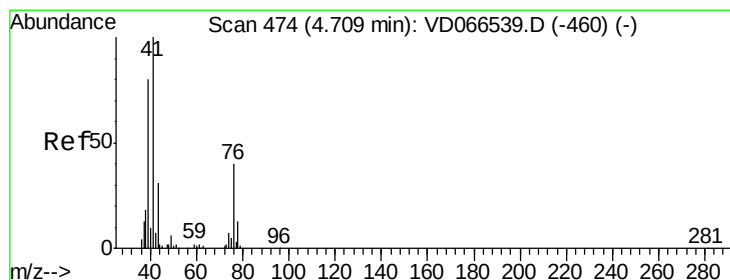
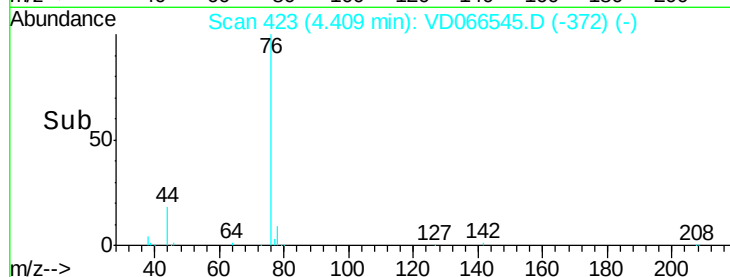
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 25.875 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066545.D

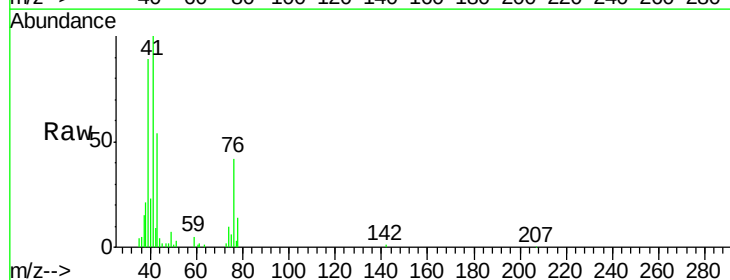
Acq: 03 Sep 2020 20:28

Tgt Ion: 43 Resp: 48071

Ion Ratio Lower Upper

43 100

74 23.4 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.71

20000

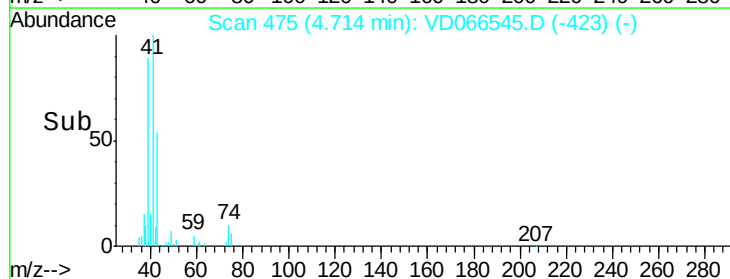
15000

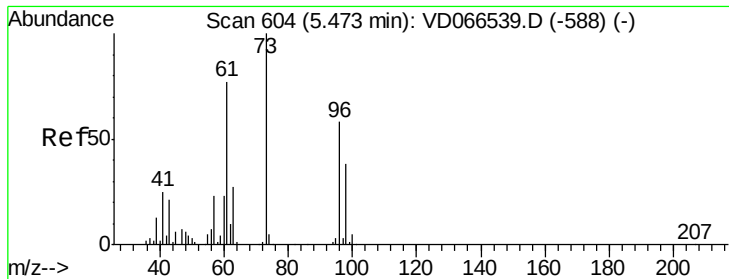
10000

5000

0

Time-->





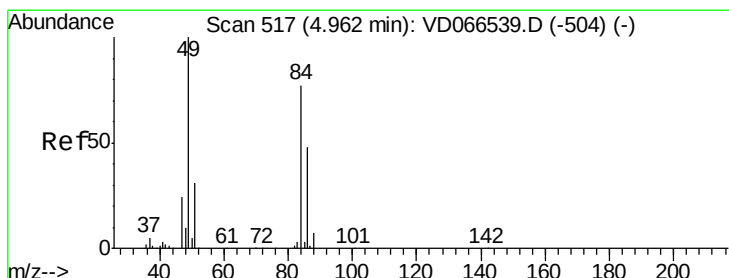
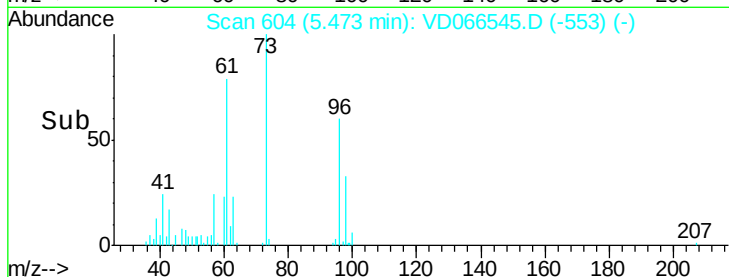
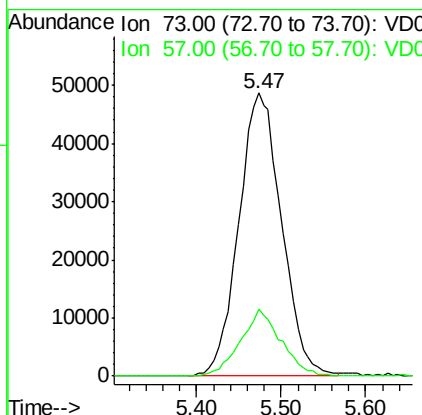
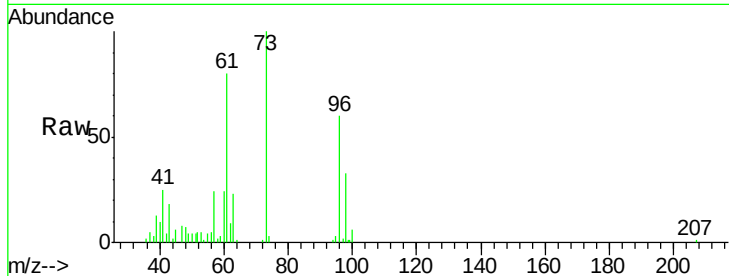
#19
Methyl tert-butyl Ether
Concen: 20.644 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.00 min
Lab File: VD066545.D
Acq: 03 Sep 2020 20:28

Instrument :
MSVOA_D
ClientSampleId :
VD0903SBS01

Tot Ion: 73 Resp: 170751
Ion Ratio Lower Upper
73 100
57 23.8 18.3 27.5

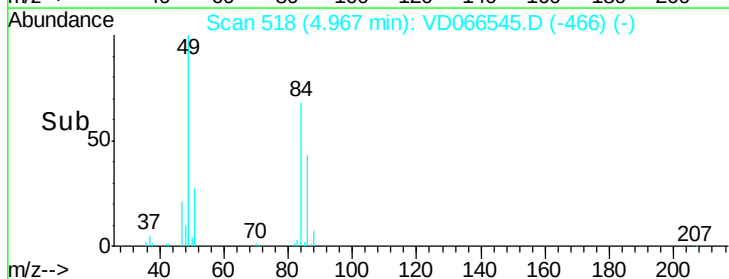
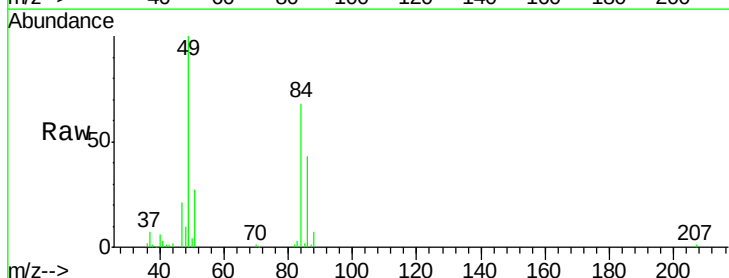
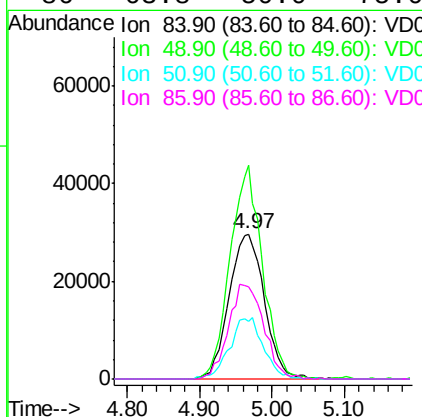
Manual Integrations
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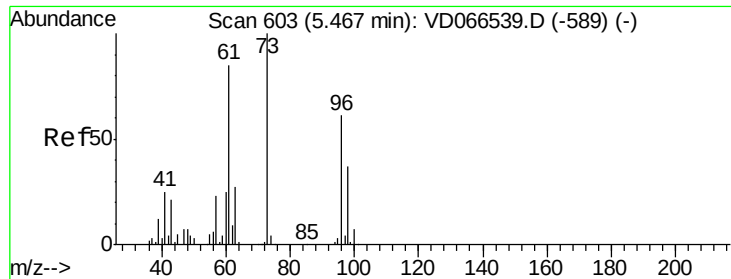
MMDadoda
9/4/2020 4:55:05 PM



#20
Methylene Chloride
Concen: 19.605 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066545.D
Acq: 03 Sep 2020 20:28

Tgt Ion: 84 Resp: 100359
Ion Ratio Lower Upper
84 100
49 147.5 104.3 156.5
51 40.1 32.2 48.4
86 63.8 50.0 75.0





#21

trans-1,2-Dichloroethene

Concen: 19.963 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD066545.D

Acq: 03 Sep 2020 20:28

Instrument :

MSVOA_D

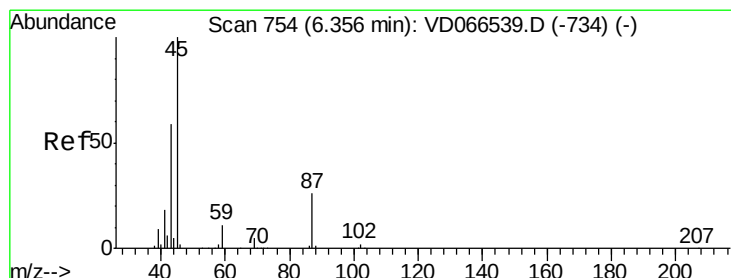
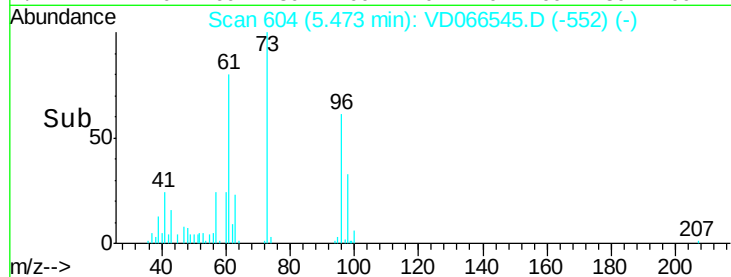
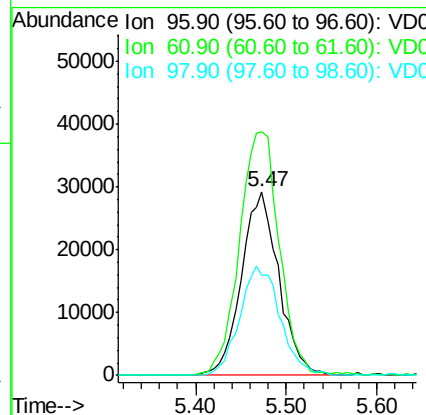
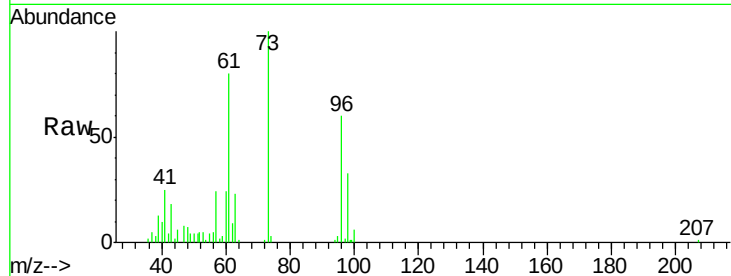
ClientSampleId :

VD0903SBSD01

Tot Ion:	96	Resp:	83617
Ion	Ratio	Lower	Upper
96	100		
61	132.7	112.1	168.1
98	54.9	48.6	72.8

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#22

Diisopropyl ether

Concen: 21.221 ug/l

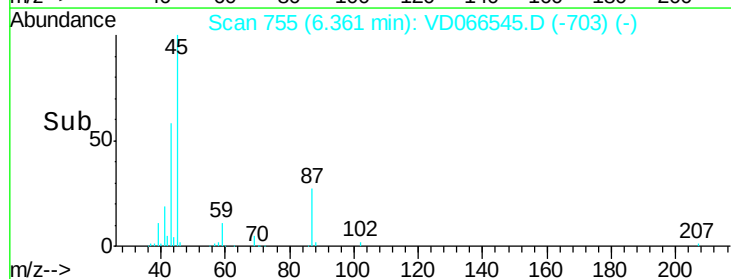
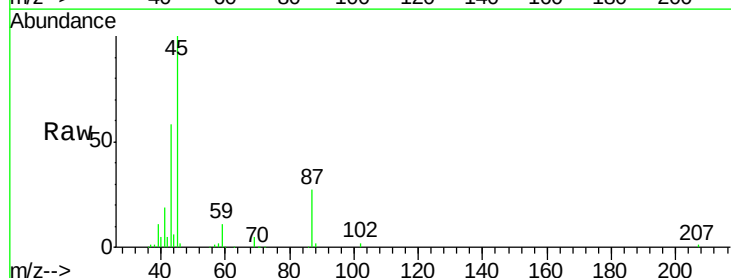
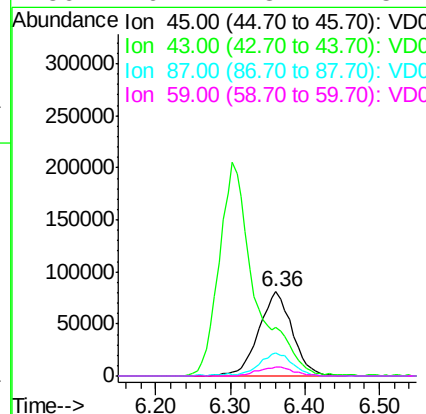
RT: 6.36 min Scan# 755

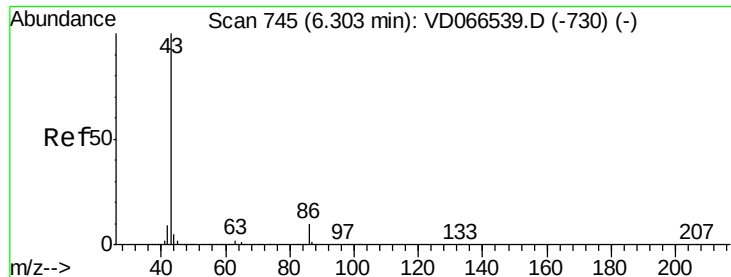
Delta R.T. 0.01 min

Lab File: VD066545.D

Acq: 03 Sep 2020 20:28

Tgt Ion:	45	Resp:	252257
Ion	Ratio	Lower	Upper
45	100		
43	56.0	47.0	70.4
87	26.8	21.3	31.9
59	10.7	8.7	13.1





#23

Vinyl Acetate

Concen: 101.147 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD066545.D

Acq: 03 Sep 2020 20:28

Instrument :

MSVOA_D

ClientSampleId :

VD0903SBS01

Tot Ion: 43 Resp: 684230

Ion Ratio Lower Upper

43 100

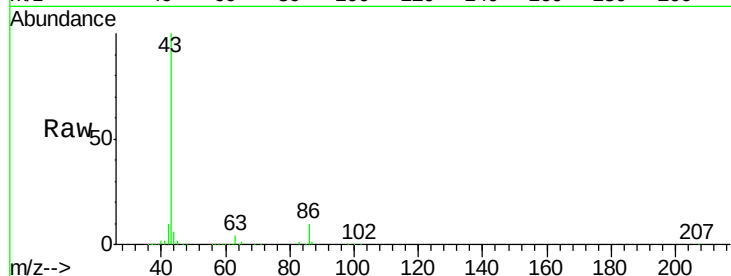
86 9.6 7.7 11.5

Manual Integrations

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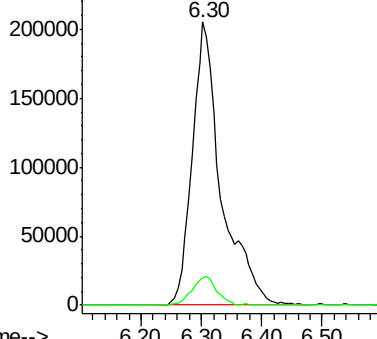
MMDadoda

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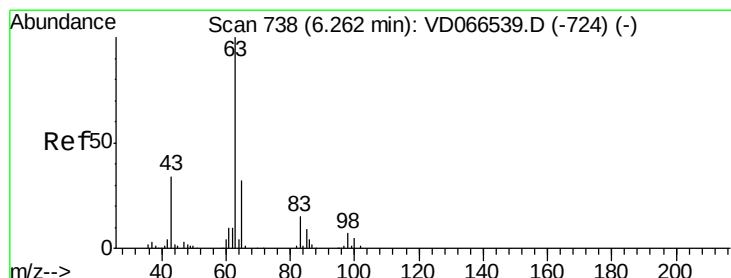
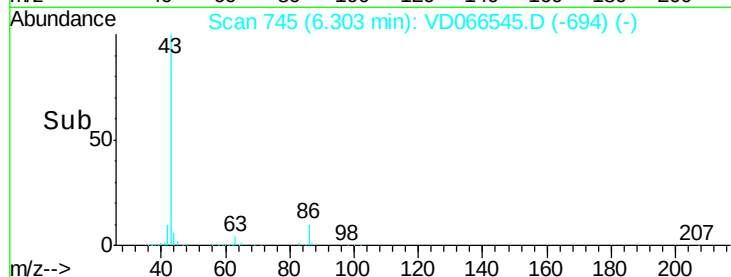


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time-->



#24

1,1-Dichloroethane

Concen: 20.532 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD066545.D

Acq: 03 Sep 2020 20:28

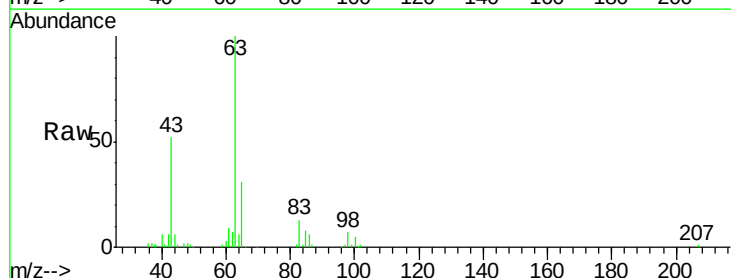
Tgt Ion: 63 Resp: 153487

Ion Ratio Lower Upper

63 100

98 7.2 3.4 10.1

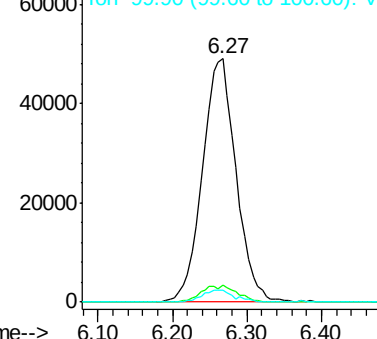
100 5.0 2.5 7.4



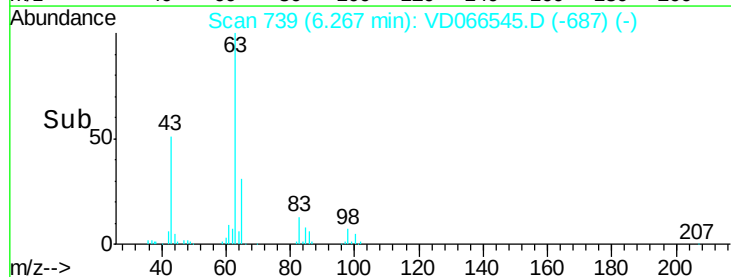
Abundance Ion 62.90 (62.60 to 63.60): VDC

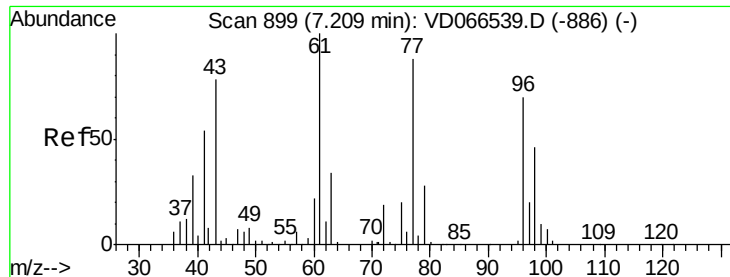
Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC



Time-->





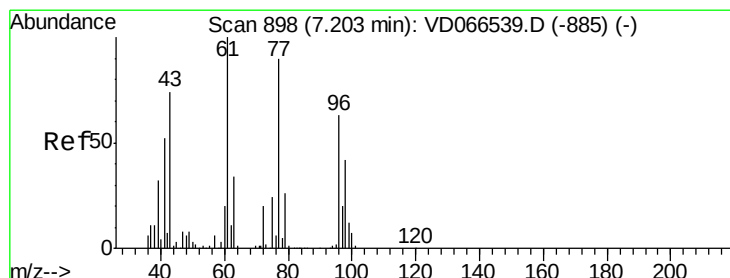
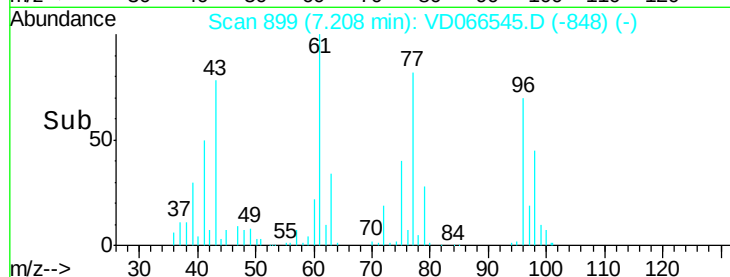
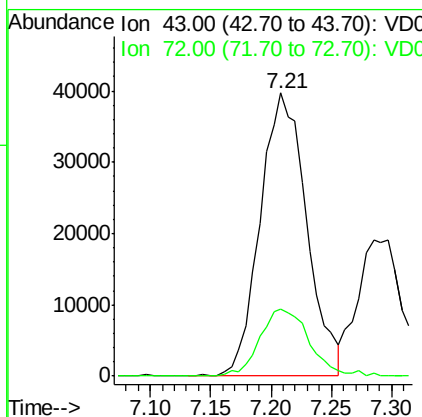
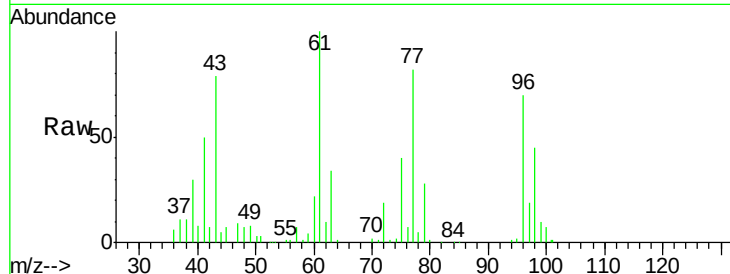
#25
2-Butanone
Concen: 101.603 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD066545.D
Acq: 03 Sep 2020 20:28

Instrument :
MSVOA_D
ClientSampleId :
VD0903SBS01

Tot Ion: 43 Resp: 106298
Ion Ratio Lower Upper
43 100
72 23.7 19.8 29.6

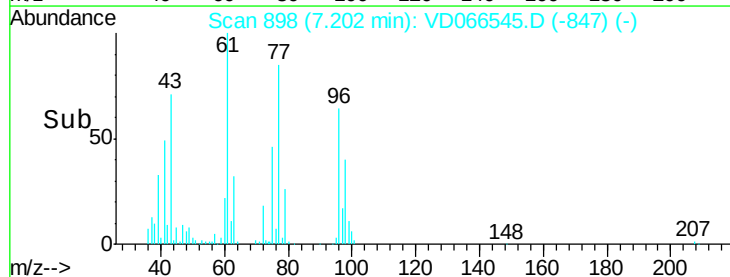
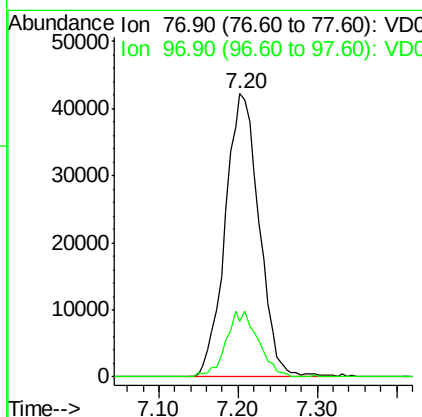
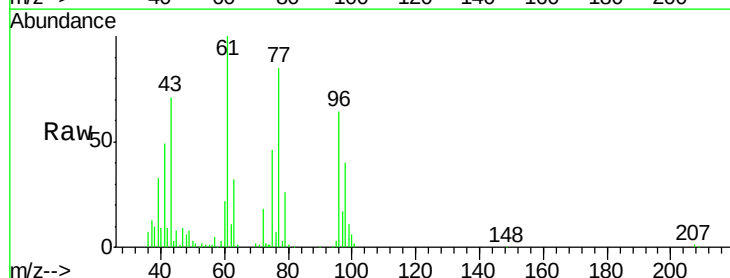
Manual Integrations
APPROVED

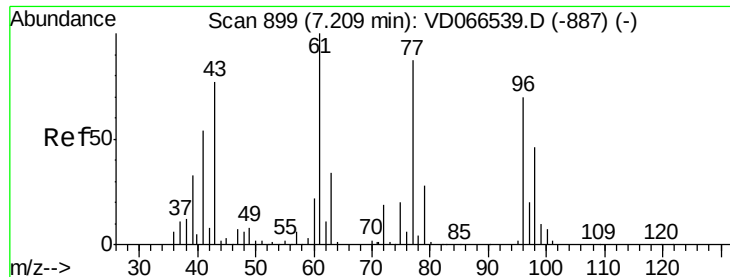
MMDadoda
9/4/2020 4:55:05 PM



#26
2,2-Dichloropropane
Concen: 18.215 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.00 min
Lab File: VD066545.D
Acq: 03 Sep 2020 20:28

Tgt Ion: 77 Resp: 124903
Ion Ratio Lower Upper
77 100
97 21.9 10.8 32.3





#27

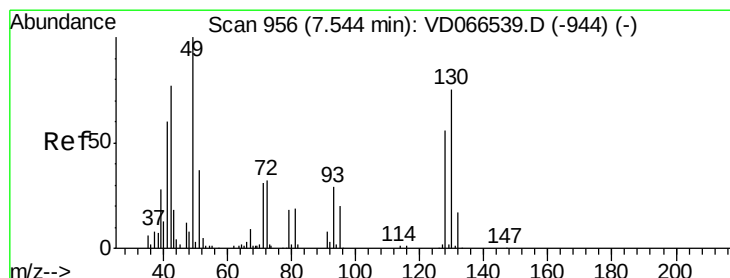
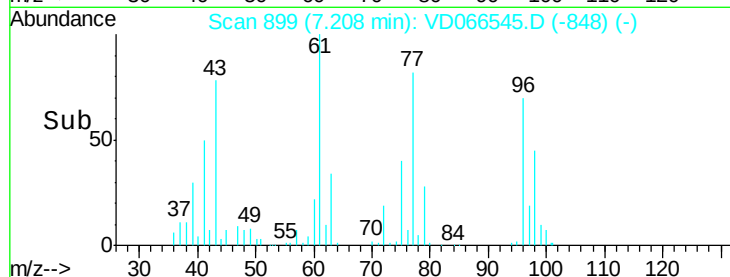
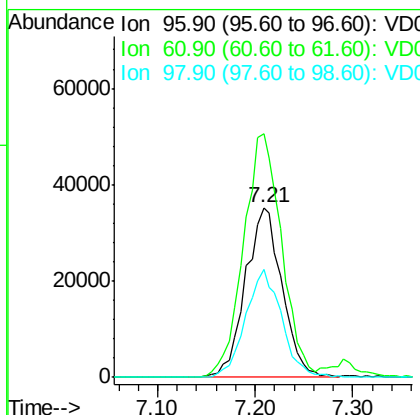
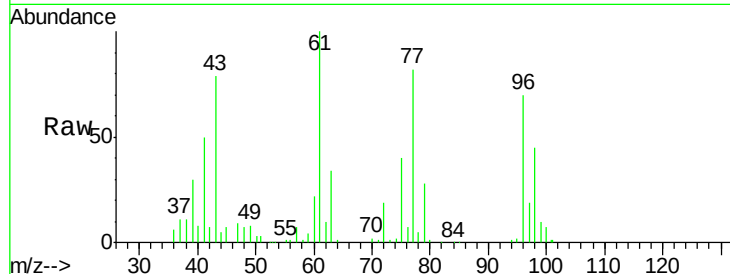
cis-1,2-Dichloroethene
Concen: 20.511 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD066545.D
Acq: 03 Sep 2020 20:28

Instrument :
MSVOA_D
ClientSampleId :
VD0903SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.7	0.0	301.0
98	62.7	0.0	129.8

Manual Integrations
APPROVED

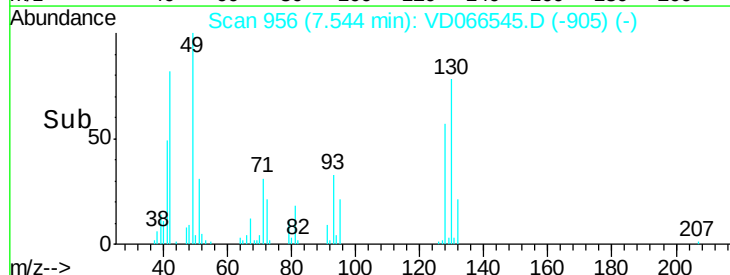
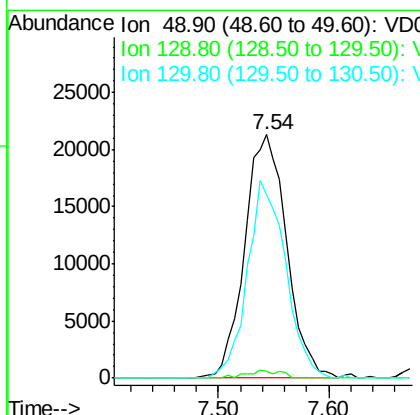
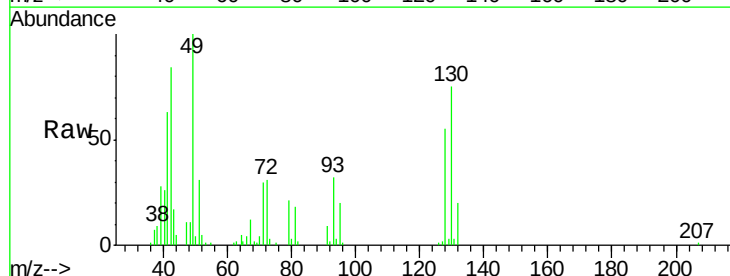
MMDadoda
9/4/2020 4:55:05 PM

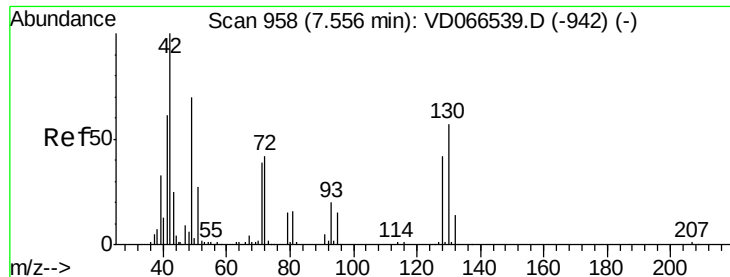


#28

Bromochloromethane
Concen: 19.712 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.00 min
Lab File: VD066545.D
Acq: 03 Sep 2020 20:28

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	2.6
130	74.1	58.2	87.2





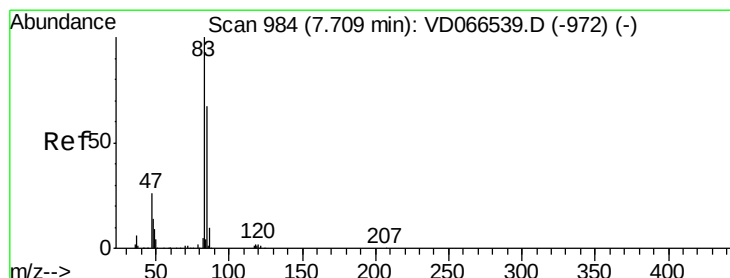
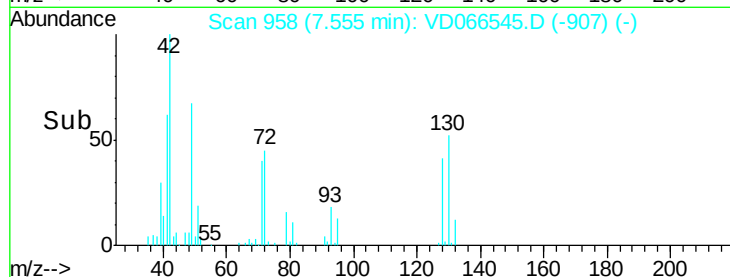
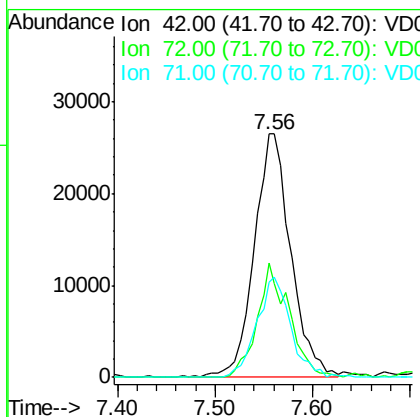
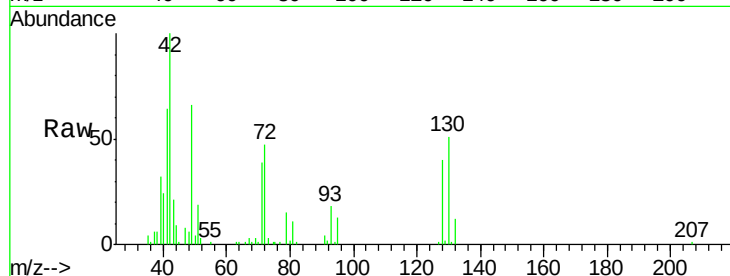
#29
Tetrahydrofuran
Concen: 106.733 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.00 min
Lab File: VD066545.D
Acq: 03 Sep 2020 20:28

Instrument :
MSVOA_D
ClientSampleId :
VD0903SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	33.4	50.0
71	38.2	31.9	47.9

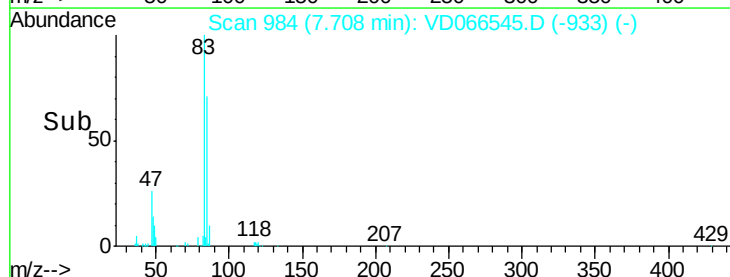
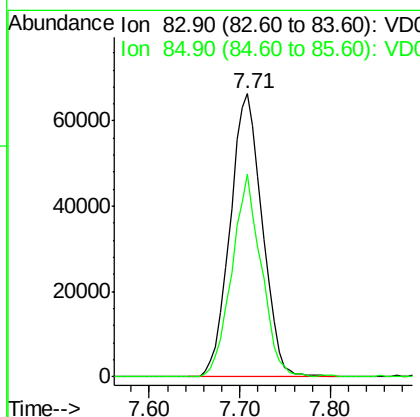
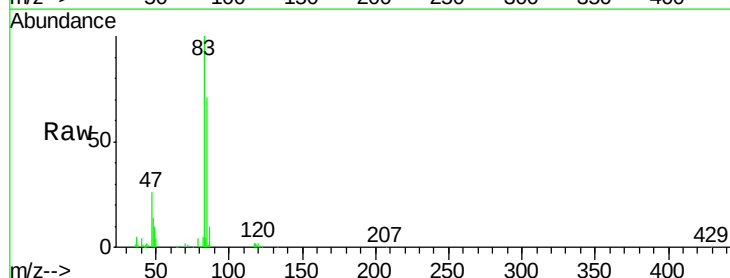
Manual Integrations
APPROVED

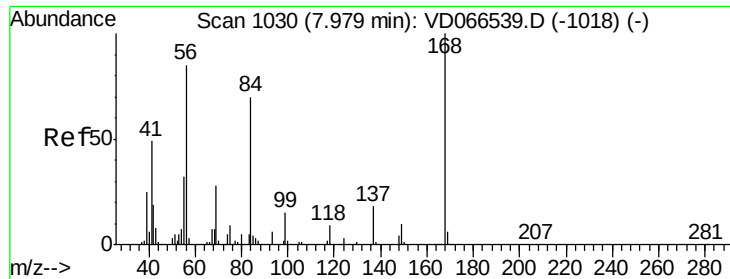
MMDadoda
9/4/2020 4:55:05 PM



#30
Chloroform
Concen: 20.681 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.00 min
Lab File: VD066545.D
Acq: 03 Sep 2020 20:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	71.4	53.6	80.4





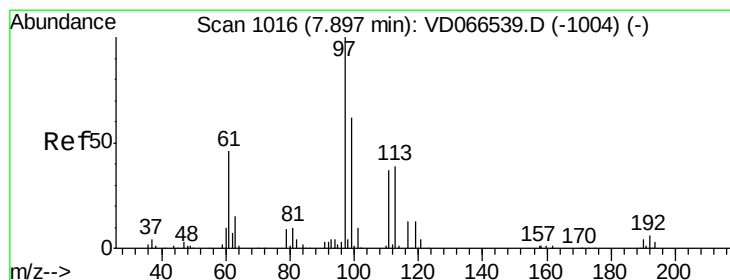
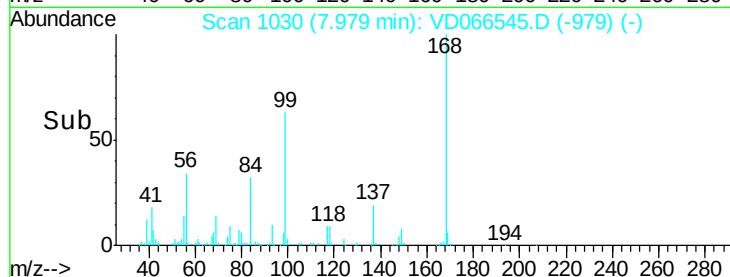
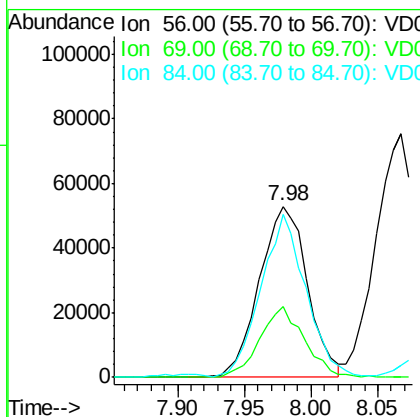
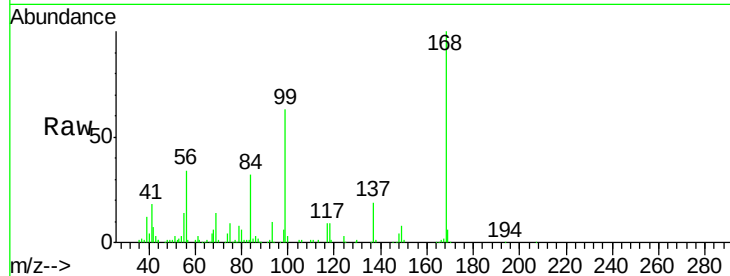
#31
Cyclohexane
Concen: 19.055 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD066545.D
Acq: 03 Sep 2020 20:28

Instrument :
MSVOA_D
ClientSampleId :
VD0903SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	41.2	26.3	39.5#	
84	93.3	66.1	99.1	

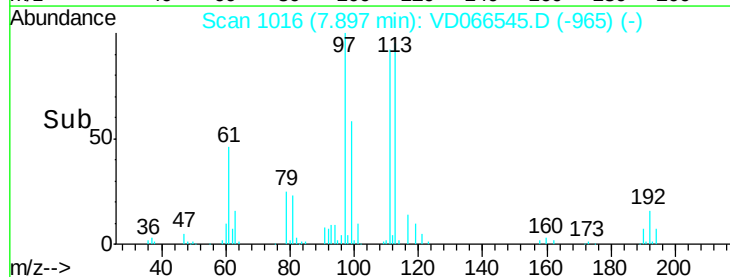
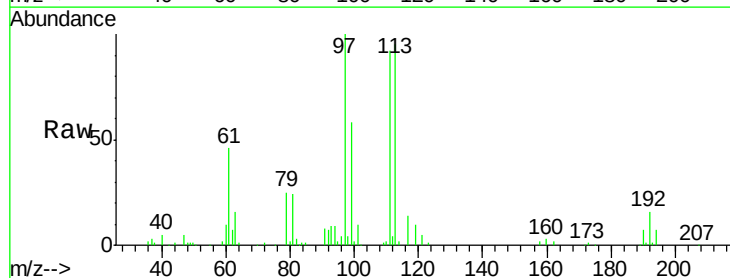
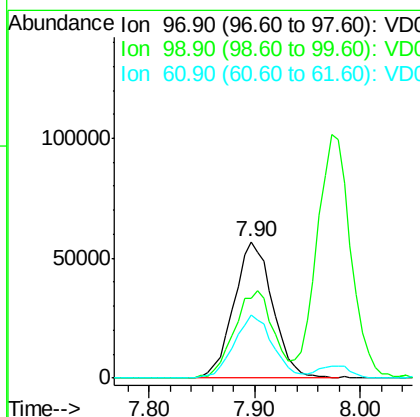
Manual Integrations
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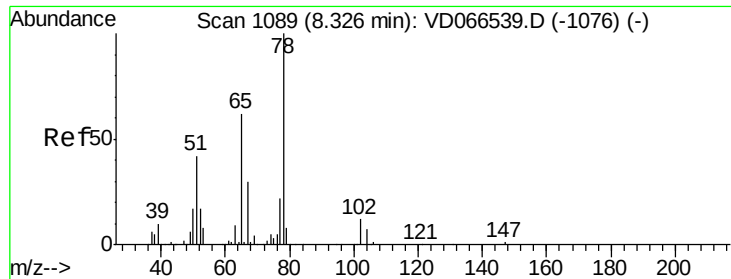
MMDadoda
9/4/2020 4:55:05 PM



#32
1,1,1-Trichloroethane
Concen: 19.448 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VD066545.D
Acq: 03 Sep 2020 20:28

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	63.9	51.4	77.0	
61	45.5	37.4	56.0	





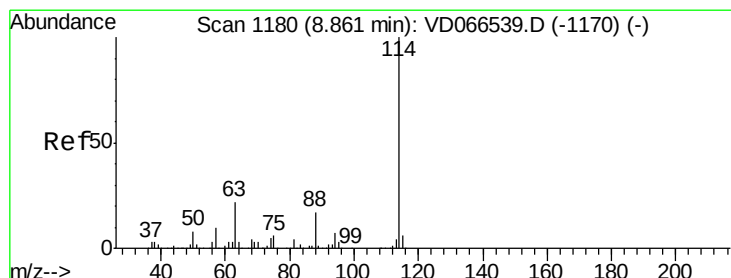
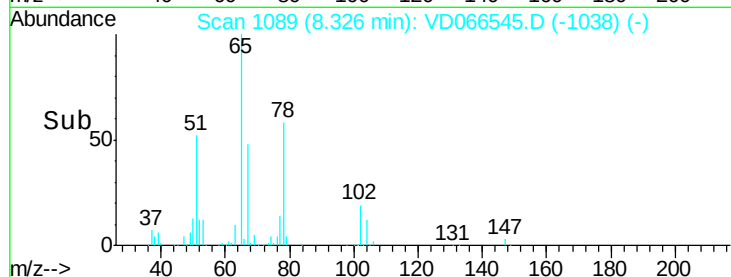
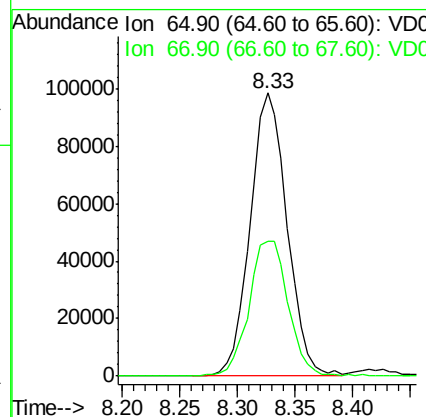
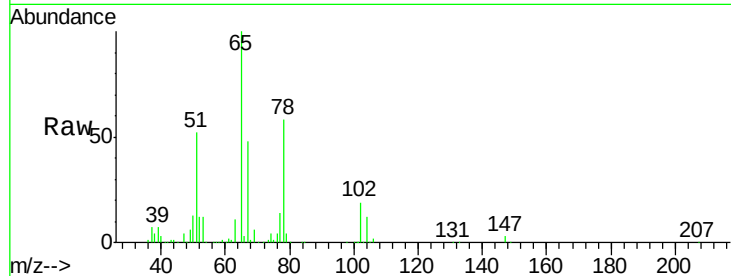
#33
 1,2-Dichloroethane-d4
 Concen: 51.815 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VD066545.D
 Acq: 03 Sep 2020 20:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0903SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	219476		
67	50.6	0.0	102.8	

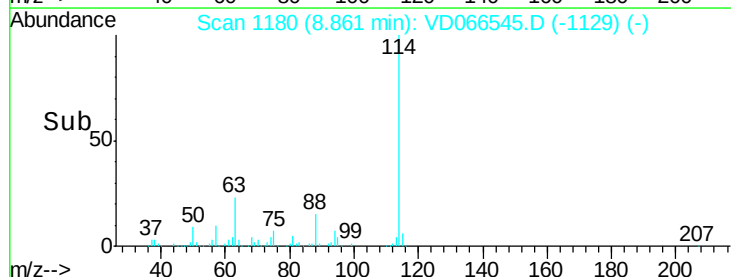
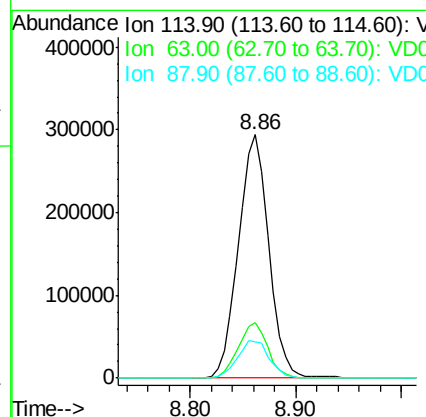
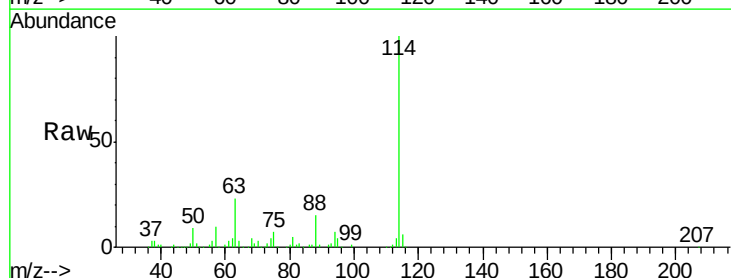
Manual Integrations
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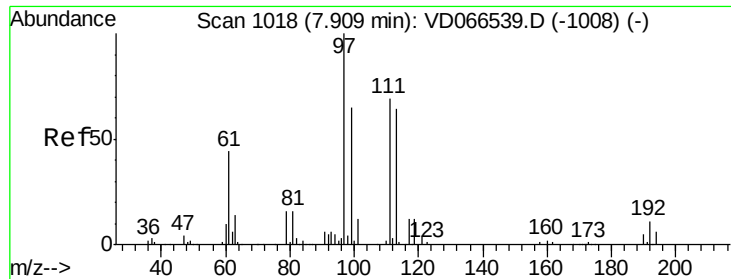
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066545.D
 Acq: 03 Sep 2020 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	583695		
63	22.6	0.0	43.2	
88	14.8	0.0	33.2	





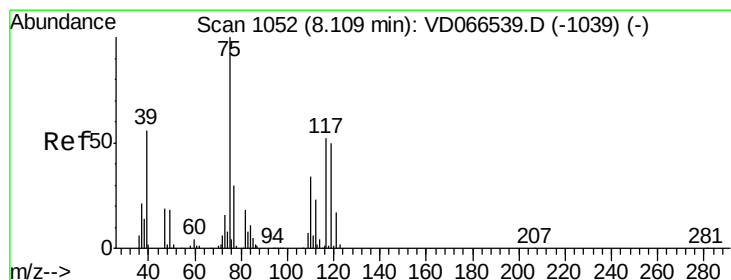
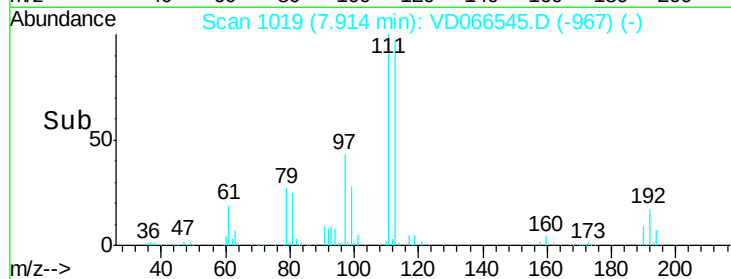
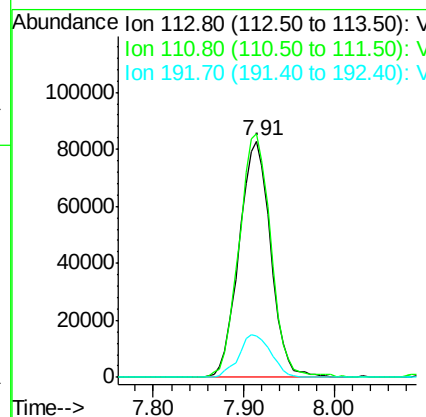
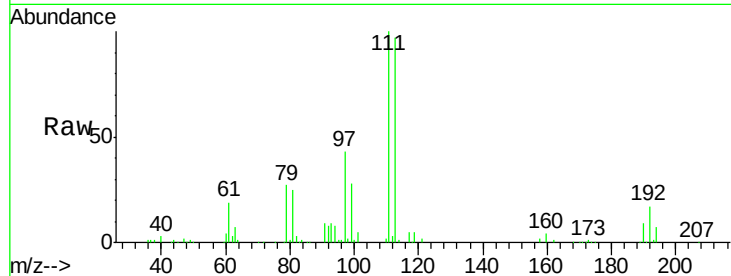
#35
Dibromofluoromethane
Concen: 50.947 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VD066545.D
Acq: 03 Sep 2020 20:28

Instrument :
MSVOA_D
ClientSampleId :
VD0903SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	200612		
111	103.9	83.2	124.8	
192	18.3	13.7	20.5	

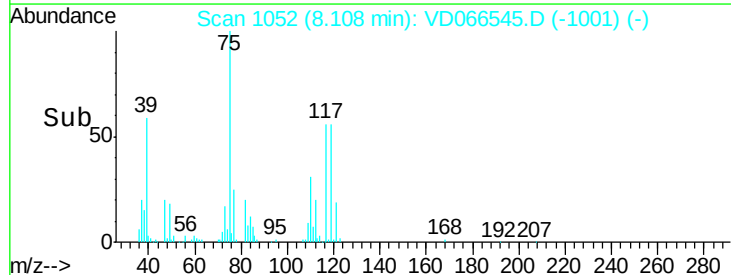
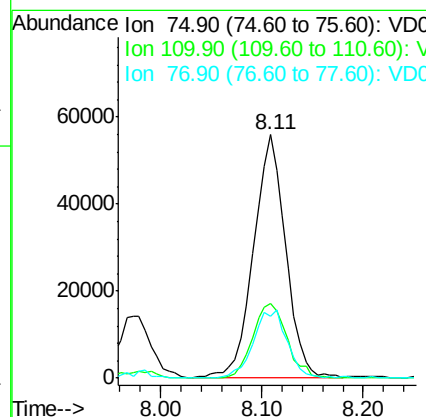
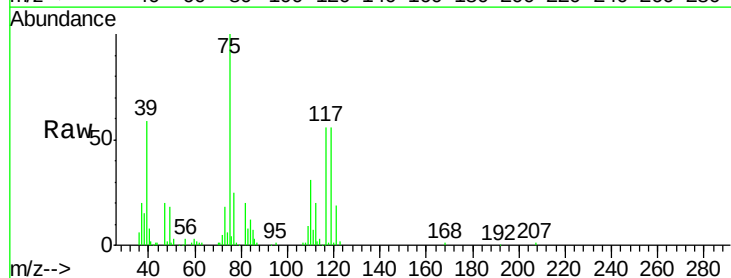
Manual Integrations
APPROVED

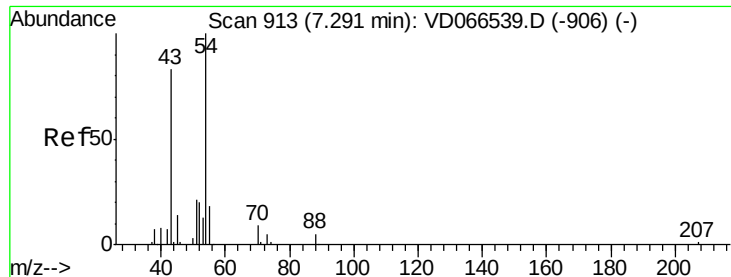
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9/4/2020 4:55:05 PM



#36
1,1-Dichloropropene
Concen: 20.378 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VD066545.D
Acq: 03 Sep 2020 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	123784		
110	32.5	17.3	52.0	
77	29.3	25.1	37.7	





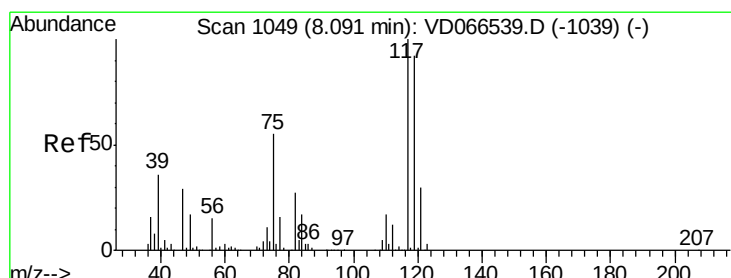
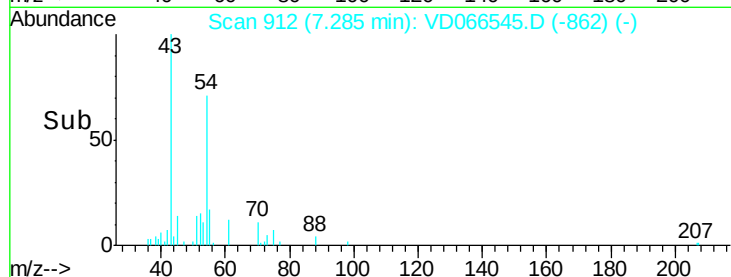
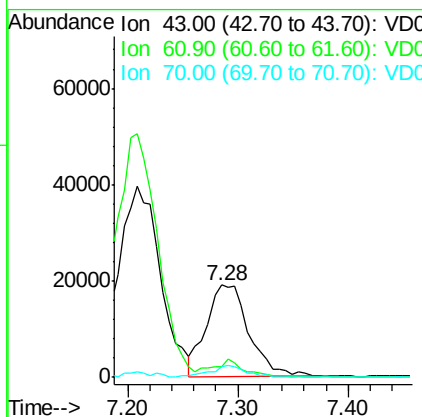
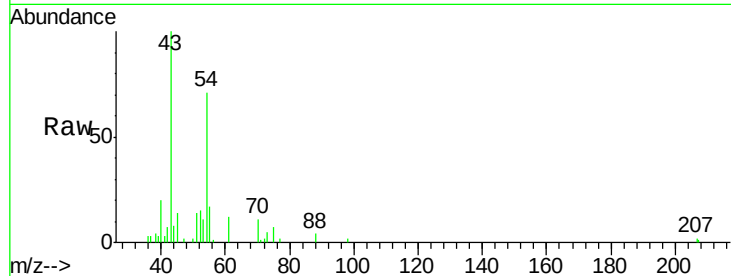
#37
Ethyl Acetate
Concen: 21.060 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066545.D
Acq: 03 Sep 2020 20:28

Instrument :
MSVOA_D
ClientSampleId :
VD0903SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	11.8	17.8
70	10.7	7.9	11.9

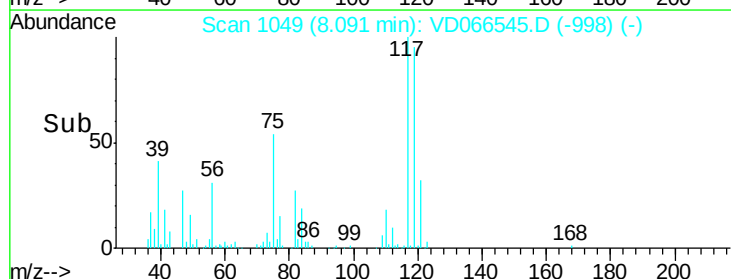
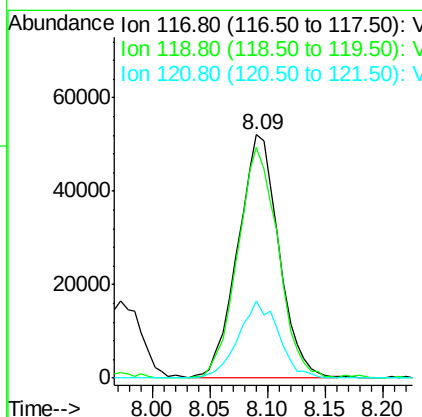
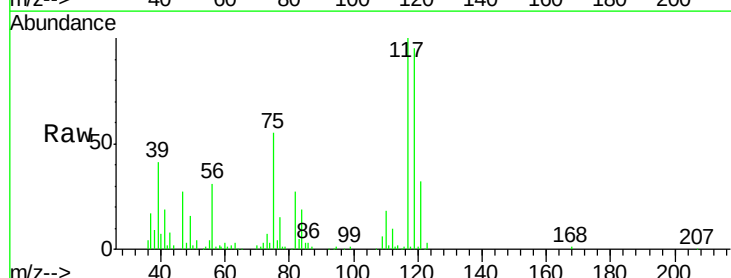
Manual Integrations
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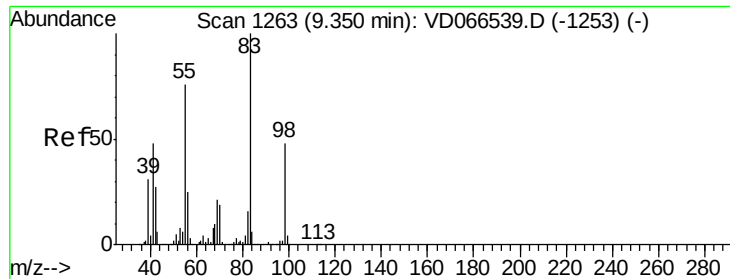
MMDadoda
9/4/2020 4:55:05 PM



#38
Carbon Tetrachloride
Concen: 20.083 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VD066545.D
Acq: 03 Sep 2020 20:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	73.9	110.9
121	31.6	24.1	36.1





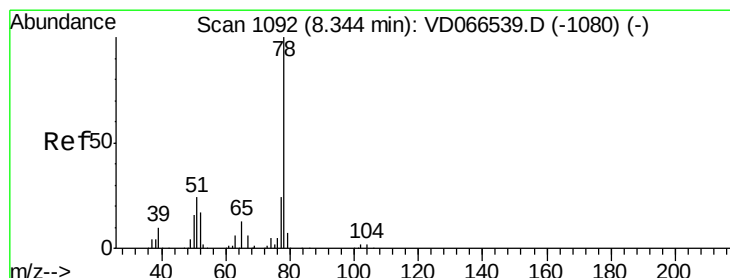
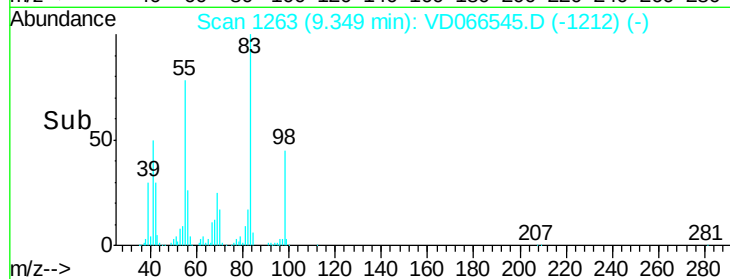
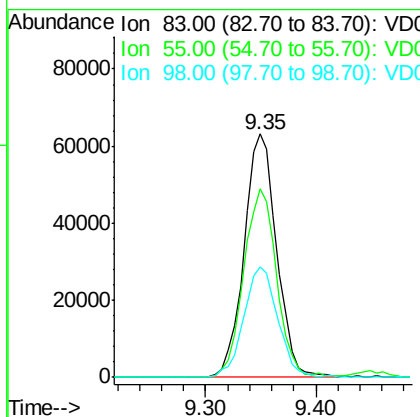
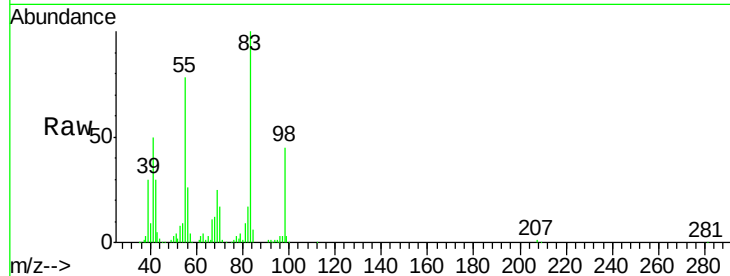
#39
Methylvlcyclohexane
Concen: 19.282 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066545.D
Acq: 03 Sep 2020 20:28

Instrument :
MSVOA_D
ClientSampleId :
VD0903SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.6	60.8	91.2
98	45.3	38.6	58.0

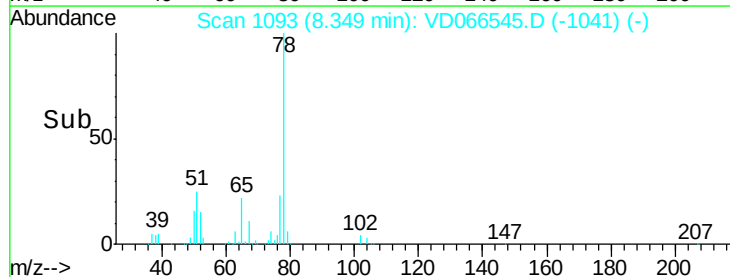
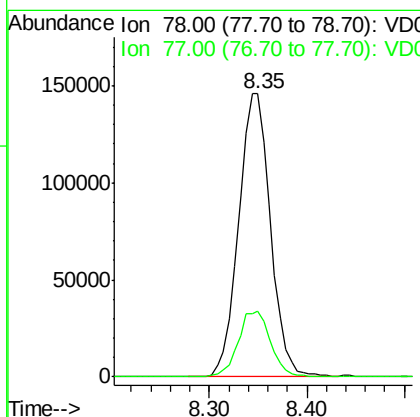
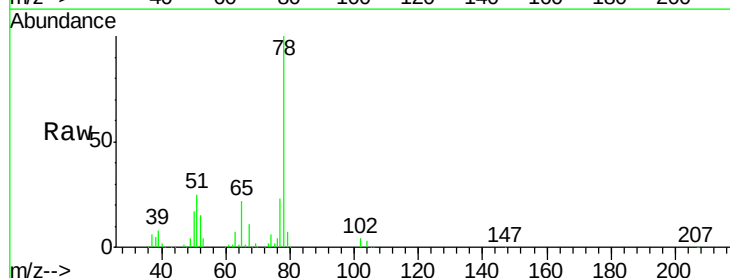
Manual Integrations
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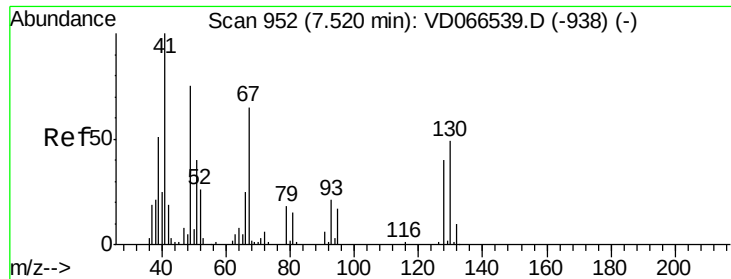
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9/4/2020 4:55:05 PM



#40
Benzene
Concen: 19.999 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VD066545.D
Acq: 03 Sep 2020 20:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.1	28.7





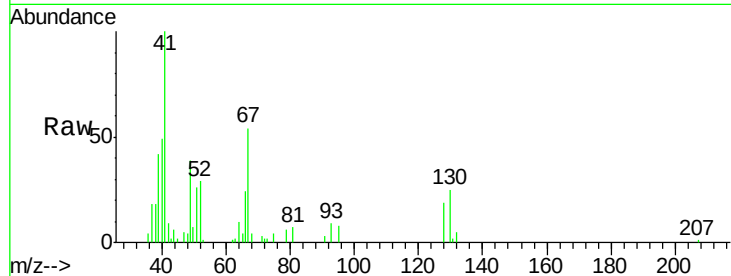
#41
Methacrylonitrile
Concen: 19.581 ug/l
RT: 7.51 min Scan# 951
Delta R.T. -0.01 min
Lab File: VD066545.D
Acq: 03 Sep 2020 20:28

Instrument :
MSVOA_D
ClientSampleId :
VD0903SBSD01

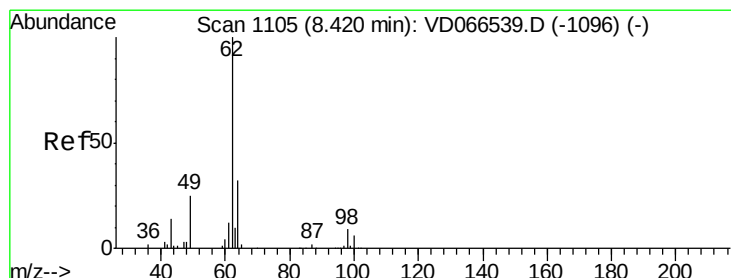
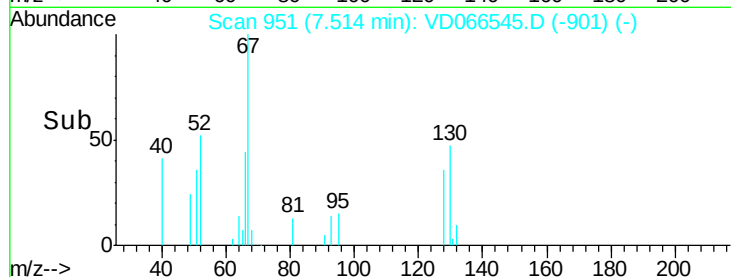
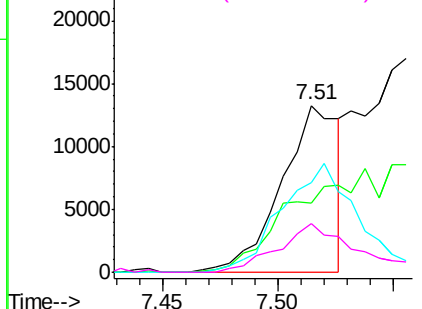
Tot Ion	41	Resp	22927
Ion Ratio	Lower	Upper	
41	100		
39	0.0	53.6	80.4#
67	88.0	59.2	88.8
52	39.5	26.8	40.2

Manual Integrations
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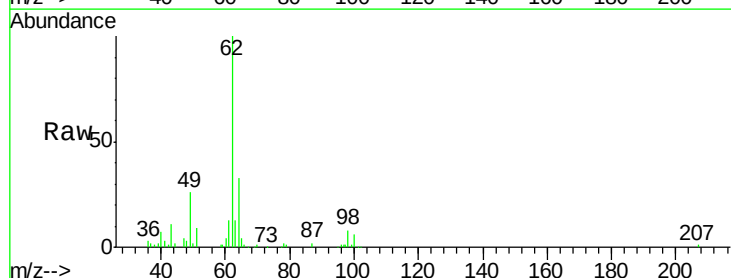


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

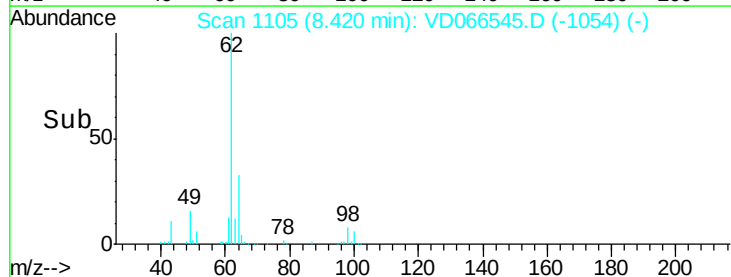
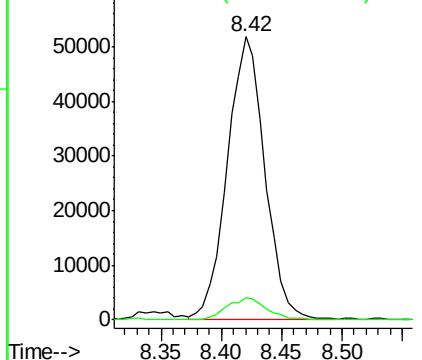


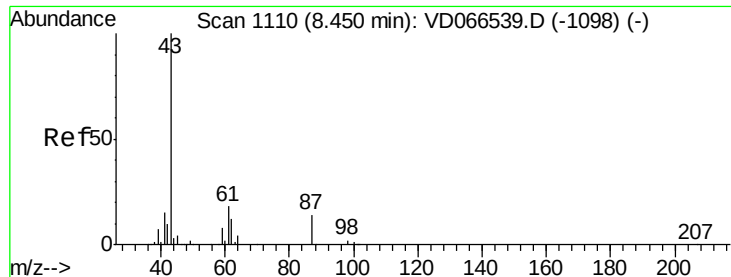
#42
1,2-Dichloroethane
Concen: 20.791 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VD066545.D
Acq: 03 Sep 2020 20:28

Tgt Ion	62	Resp	112069
Ion Ratio	Lower	Upper	
62	100		
98	8.3	0.0	17.6



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 20.437 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066545.D

Acq: 03 Sep 2020 20:28

Instrument :

MSVOA_D

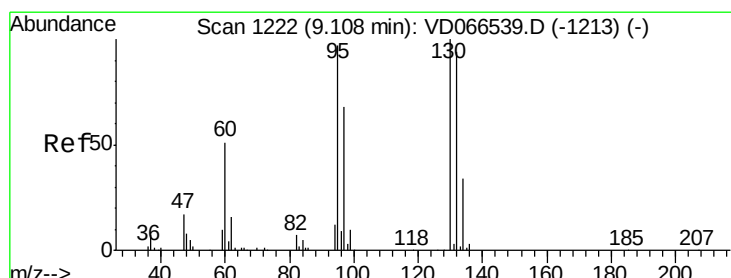
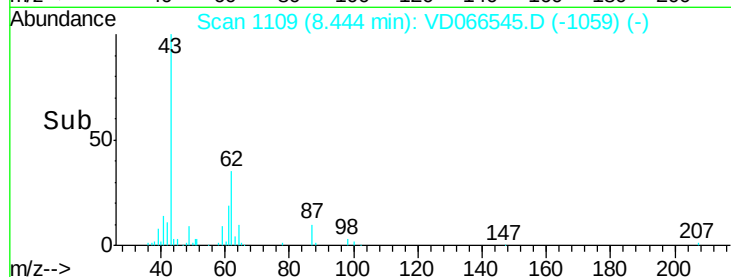
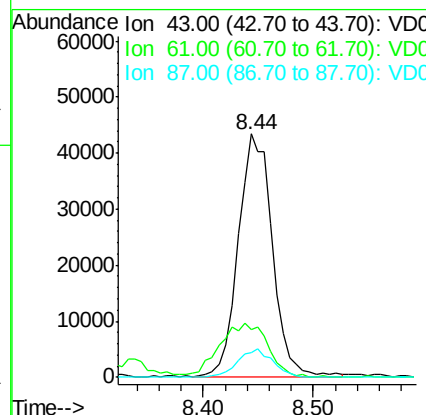
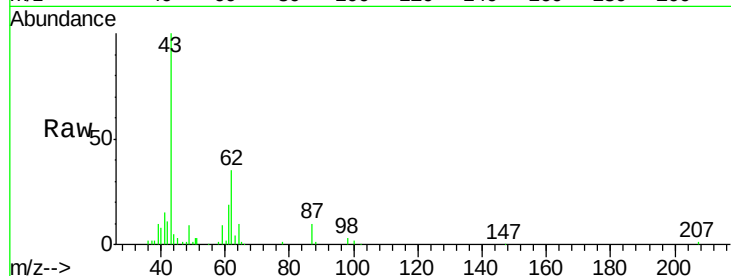
ClientSampleId :

VD0903SBS01

Tot Ion:	43	Resp:	94734
Ion	Ratio	Lower	Upper
43	100		
61	31.2	23.8	35.8
87	11.9	10.7	16.1

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#44

Trichloroethene

Concen: 20.646 ug/l

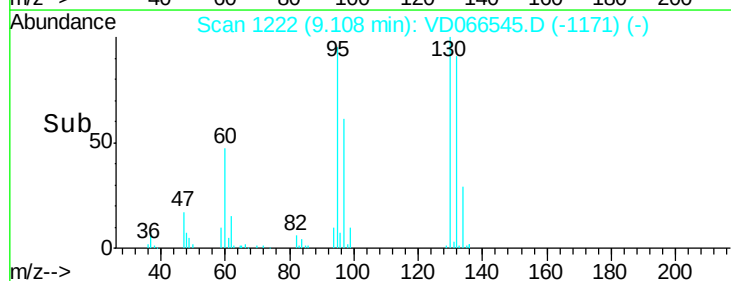
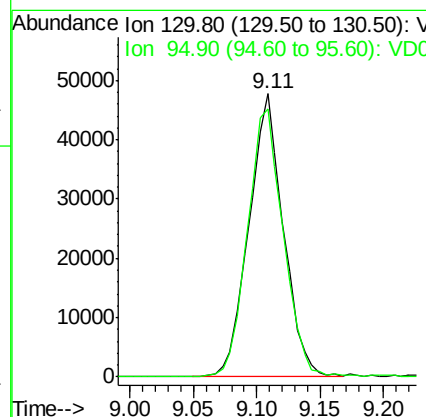
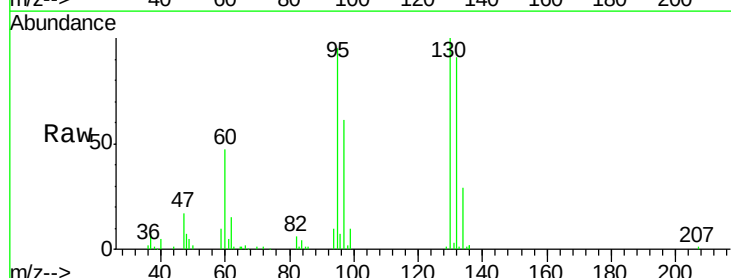
RT: 9.11 min Scan# 1222

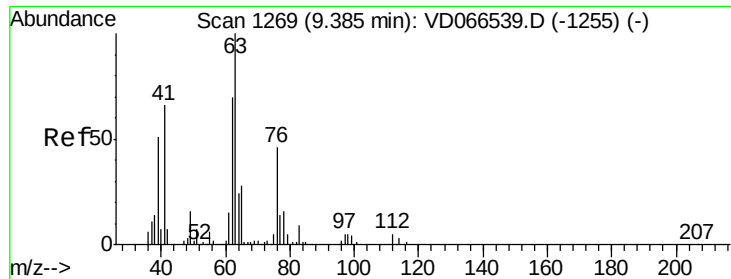
Delta R.T. -0.00 min

Lab File: VD066545.D

Acq: 03 Sep 2020 20:28

Tgt Ion:	130	Resp:	90098
Ion	Ratio	Lower	Upper
130	100		
95	94.9	0.0	194.4





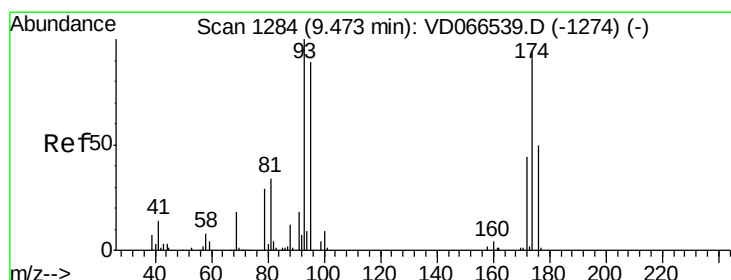
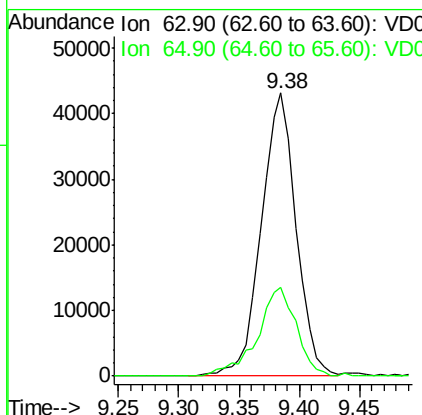
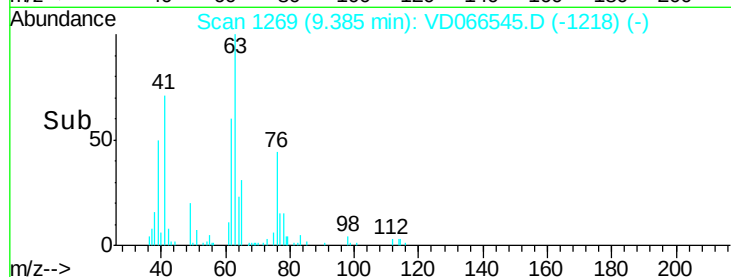
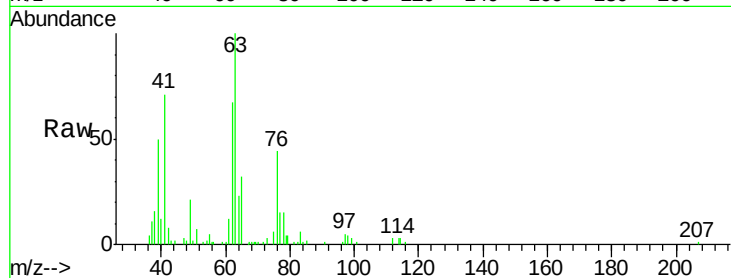
#45
 1,2-Dichloropropane
 Concen: 20.502 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VD066545.D
 Acq: 03 Sep 2020 20:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0903SBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	22.6	34.0

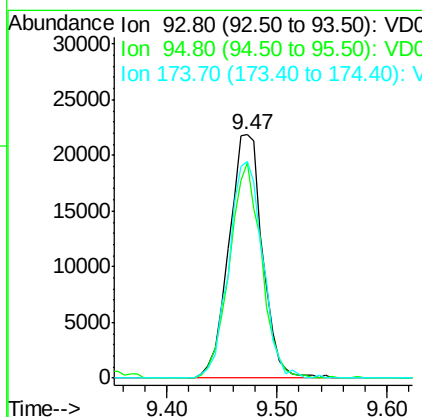
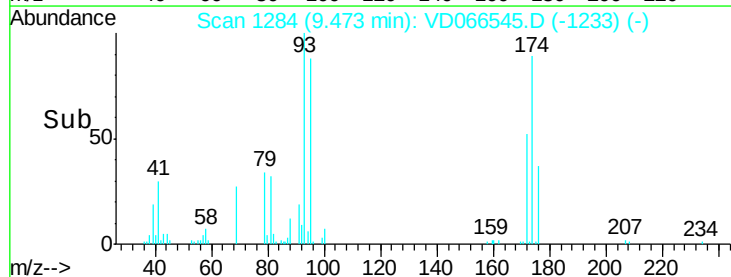
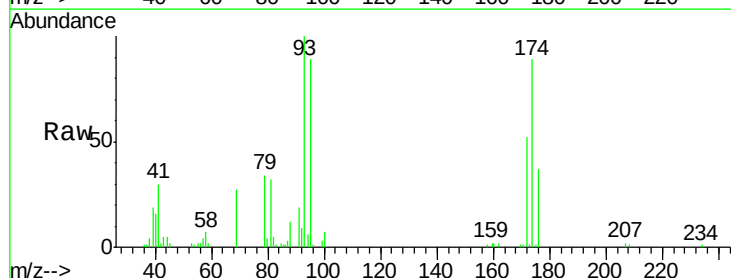
Manual Integrations
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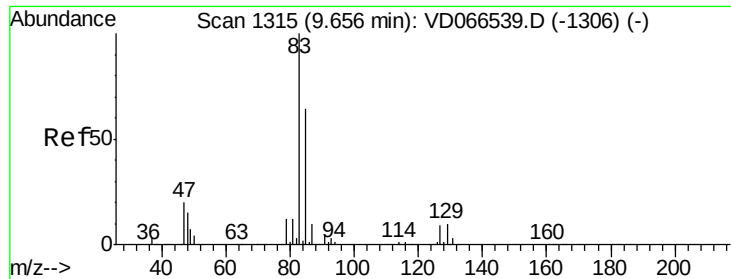
MMDadoda
 9/4/2020 4:55:05 PM



#46
 Dibromomethane
 Concen: 20.251 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.00 min
 Lab File: VD066545.D
 Acq: 03 Sep 2020 20:28

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.3	68.7	103.1
174	89.4	70.0	105.0





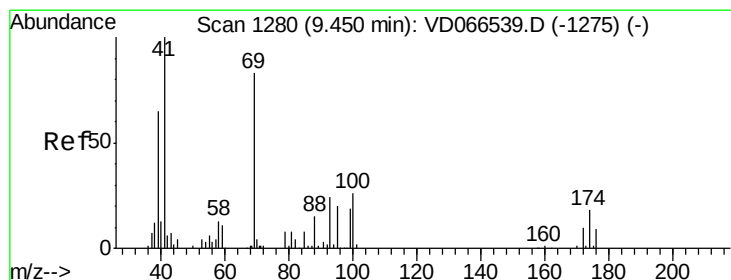
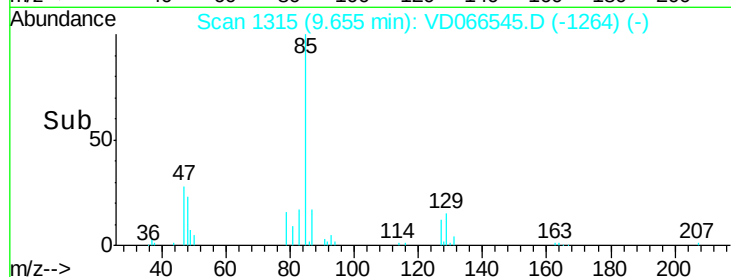
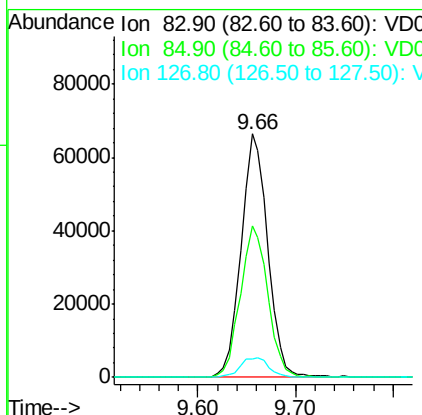
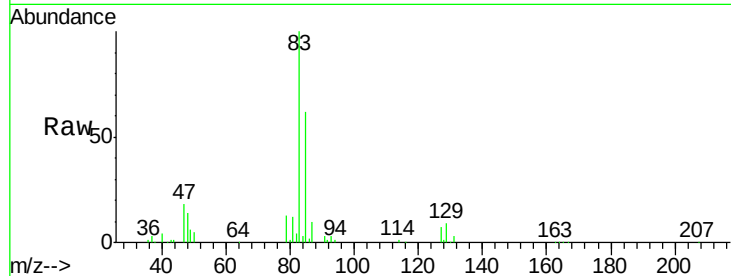
#47
Bromodichloromethane
Concen: 20.284 ug/l
RT: 9.66 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VD066545.D
Acq: 03 Sep 2020 20:28

Instrument :
MSVOA_D
ClientSampleId :
VD0903SBSD01

Tot Ion	83	Resp	126672
Ion Ratio	100		
85	62.2	51.1	76.7
127	7.3	6.9	10.3

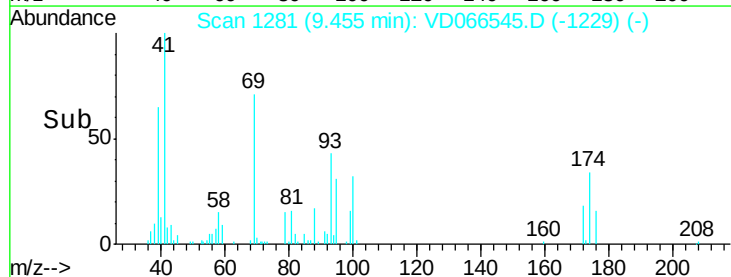
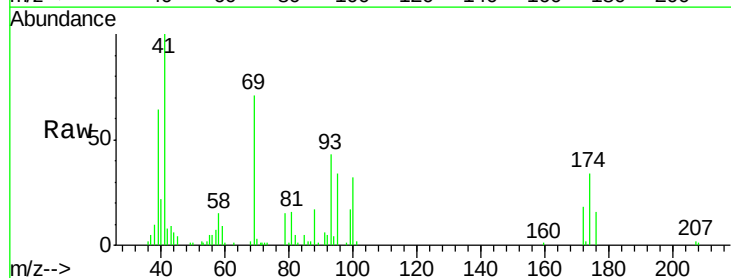
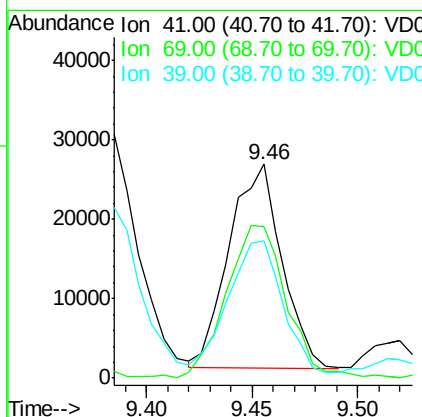
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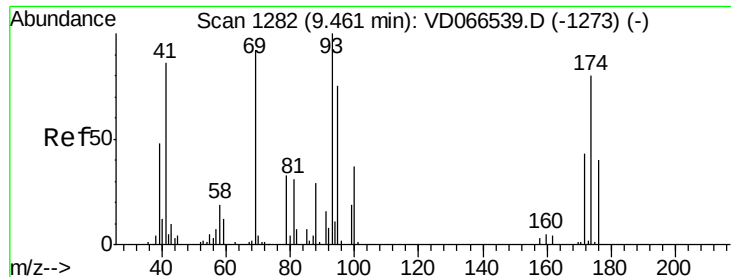
MMDadoda
9/4/2020 4:55:05 PM



#48
Methyl methacrylate
Concen: 18.992 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.01 min
Lab File: VD066545.D
Acq: 03 Sep 2020 20:28

Tgt Ion	41	Resp	44516
Ion Ratio	100		
69	85.6	64.5	96.7
39	67.1	46.6	69.8





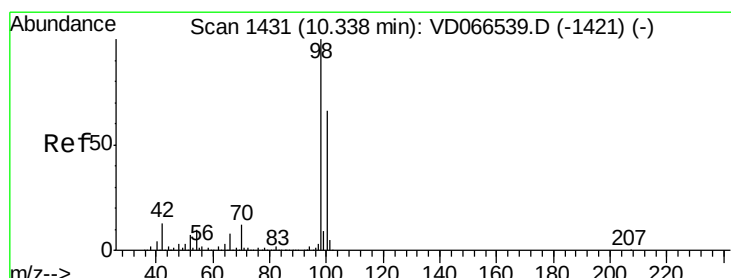
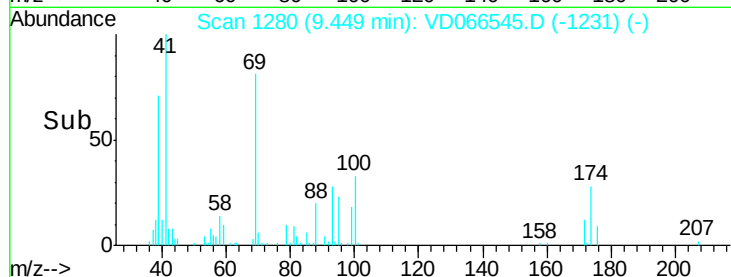
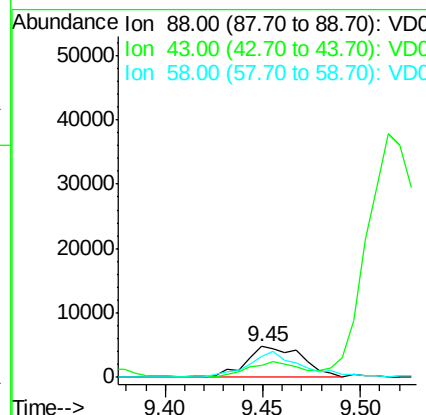
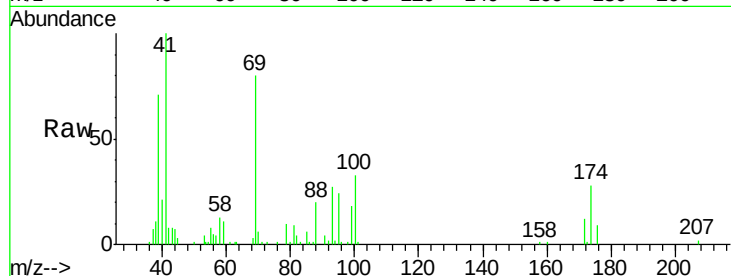
#49
1,4-Dioxane
Concen: 381.268 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD066545.D
Acq: 03 Sep 2020 20:28

Instrument :
MSVOA_D
ClientSampleId :
VD0903SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	9655		
43	49.3		28.3	42.5#
58	77.9		56.1	84.1

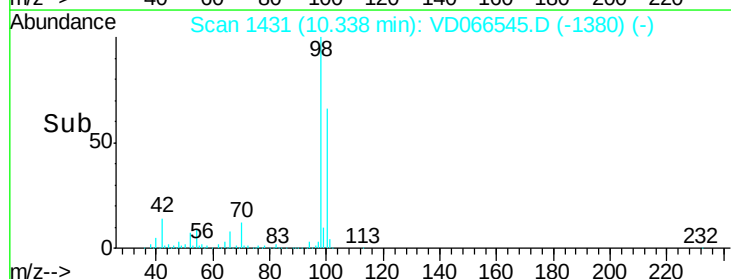
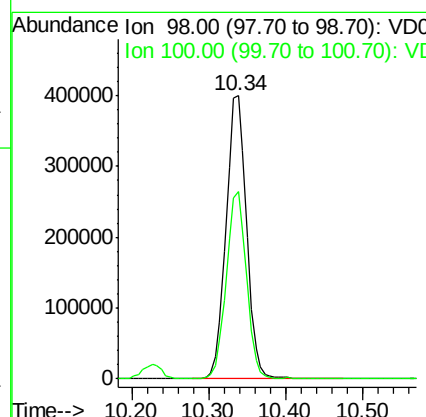
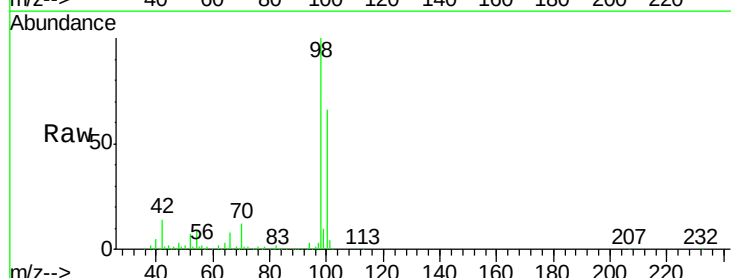
Manual Integrations
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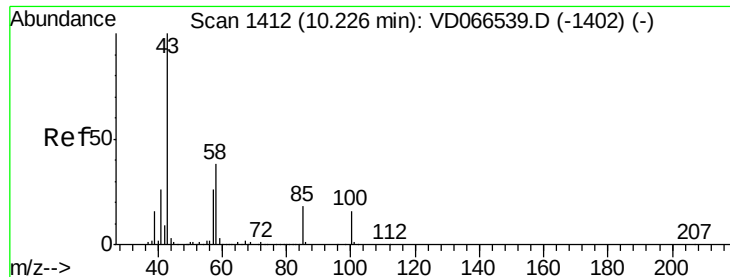
MMDadoda
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#50
Toluene-d8
Concen: 52.705 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066545.D
Acq: 03 Sep 2020 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	741764		
100	65.1		52.9	79.3





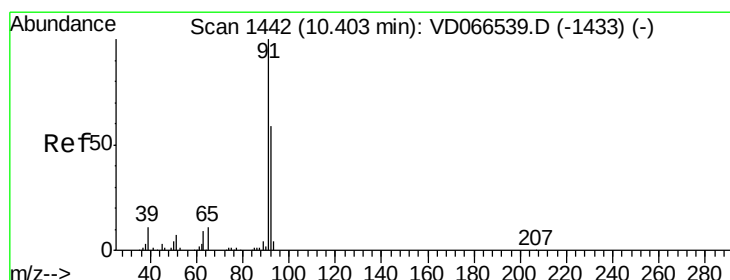
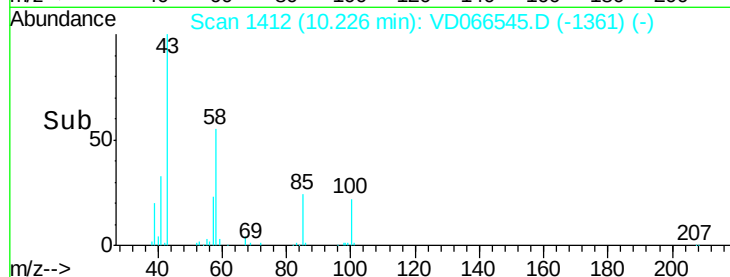
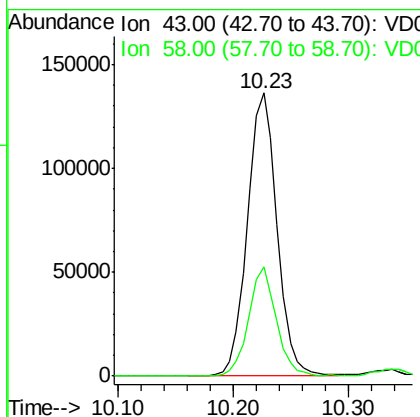
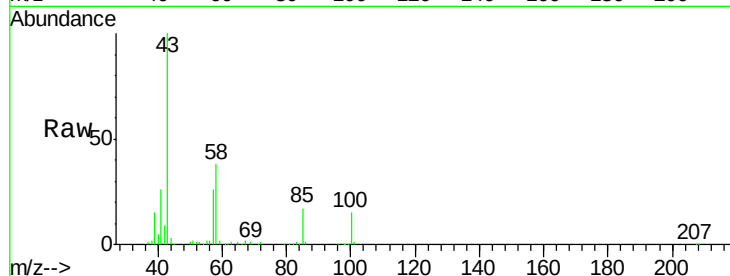
#51
4-Methyl-2-Pentanone
Concen: 104.331 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. -0.00 min
Lab File: VD066545.D
Acq: 03 Sep 2020 20:28

Instrument :
MSVOA_D
ClientSampleId :
VD0903SBS01

Tot Ion	43	Resp	243903
Ion Ratio	100	Lower	Upper
58	35.9	30.5	45.7

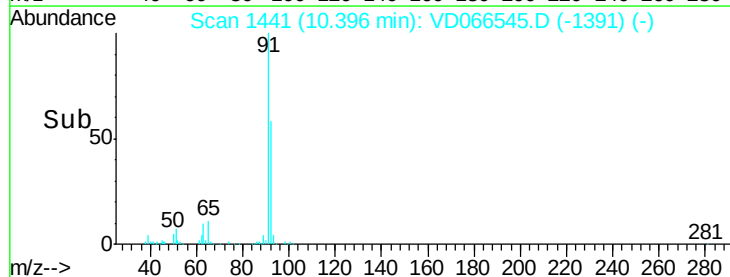
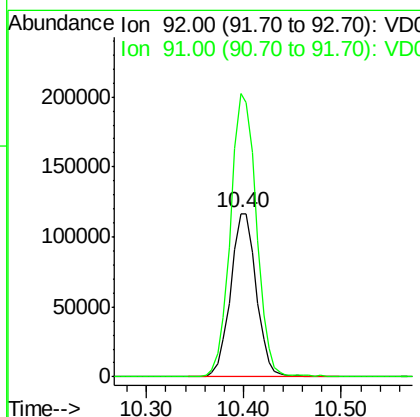
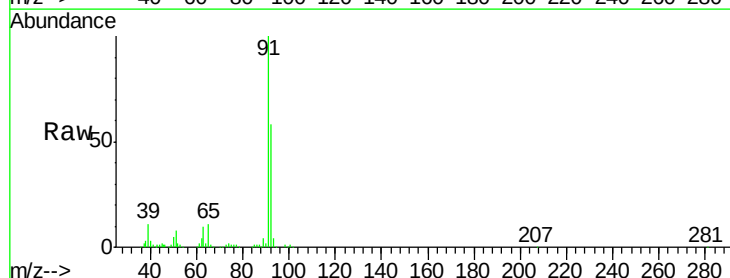
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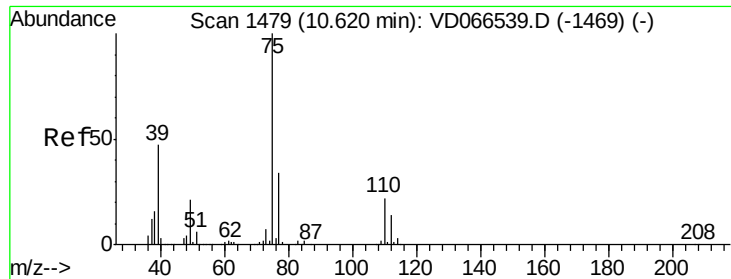
MMDadoda
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#52
Toluene
Concen: 20.343 ug/l
RT: 10.40 min Scan# 1441
Delta R.T. -0.01 min
Lab File: VD066545.D
Acq: 03 Sep 2020 20:28

Tgt Ion	92	Resp	214235
Ion Ratio	100	Lower	Upper
91	175.0	137.4	206.2





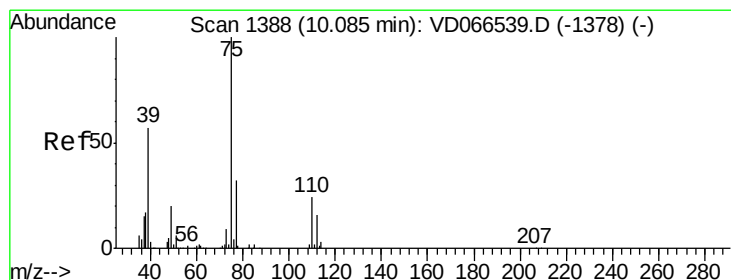
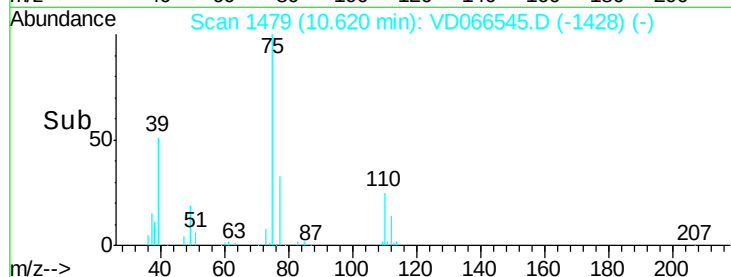
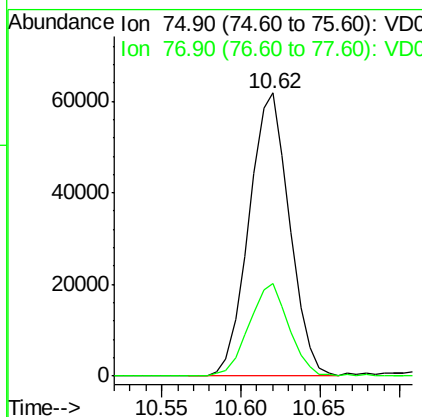
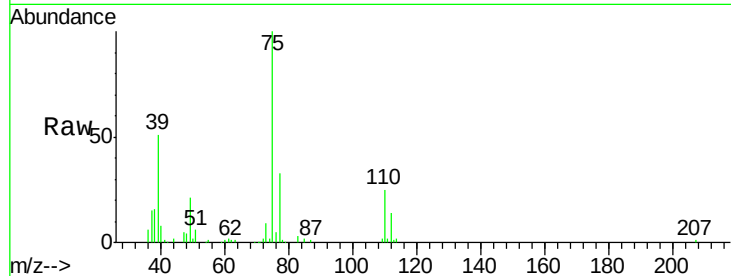
#53
t-1,3-Dichloropropene
Concen: 19.916 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.00 min
Lab File: VD066545.D
Acq: 03 Sep 2020 20:28

Instrument :
MSVOA_D
ClientSampleId :
VD0903SBS01

Tot Ion	75	Resp	109797
Ion Ratio	Lower	Upper	
75	100		
77	32.7	27.4	41.2

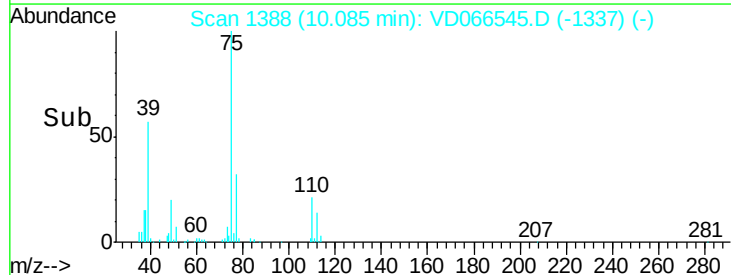
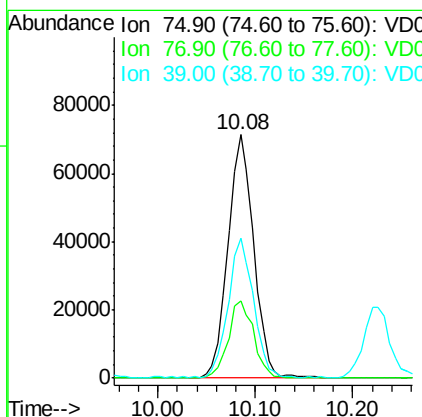
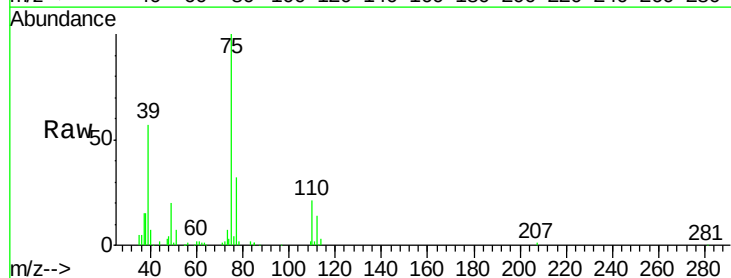
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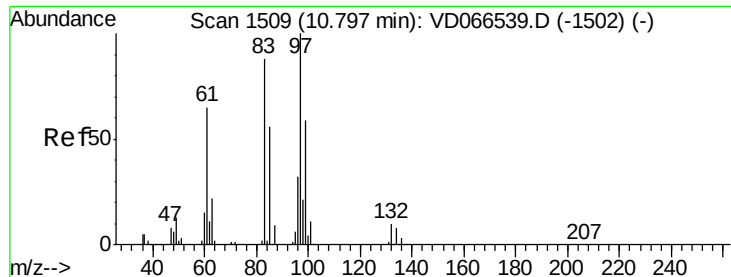
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#54
cis-1,3-Dichloropropene
Concen: 19.784 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VD066545.D
Acq: 03 Sep 2020 20:28

Tgt Ion	75	Resp	130981
Ion Ratio	Lower	Upper	
75	100		
77	31.6	25.4	38.0
39	57.4	45.4	68.0





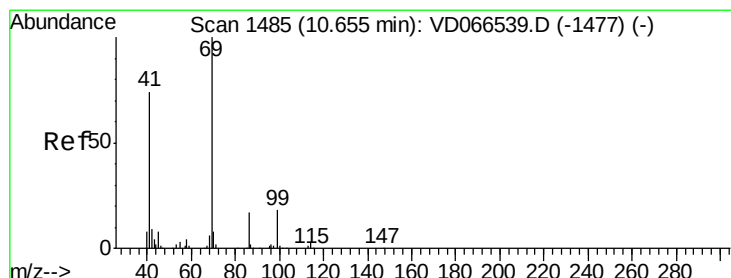
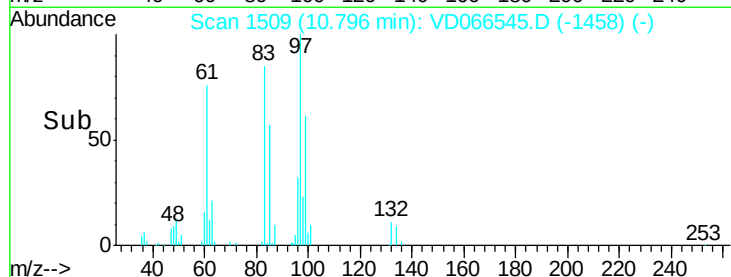
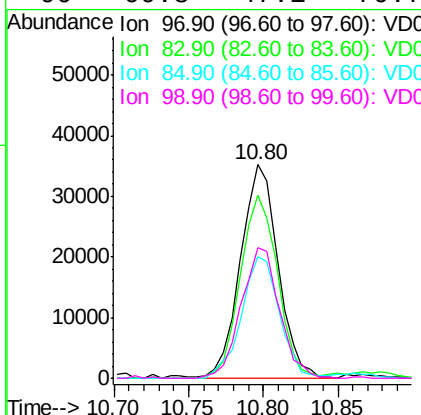
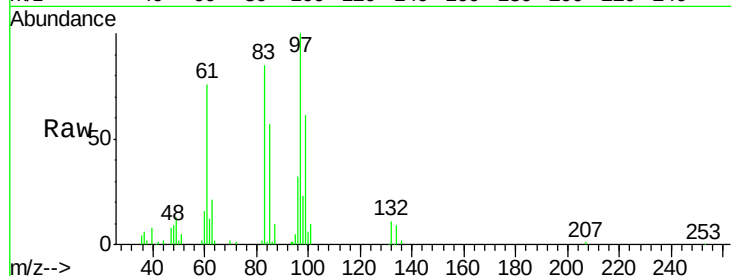
#55
1,1,2-Trichloroethane
Concen: 20.710 ug/l
RT: 10.80 min Scan# 1509
Delta R.T. -0.00 min
Lab File: VD066545.D
Acq: 03 Sep 2020 20:28

Instrument :
MSVOA_D
ClientSampleId :
VD0903SBSD01

Tot Ion:	97	Resp:	61464
Ion	Ratio	Lower	Upper
97	100		
83	85.4	70.1	105.1
85	57.1	44.5	66.7
99	60.8	47.1	70.7

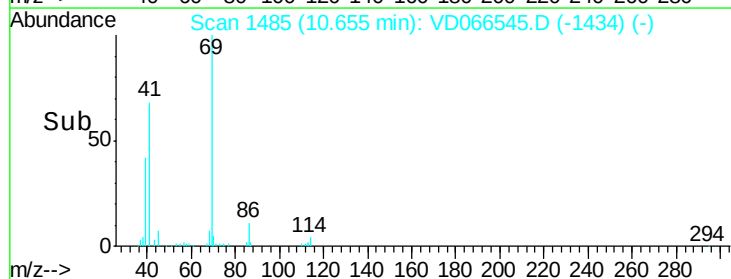
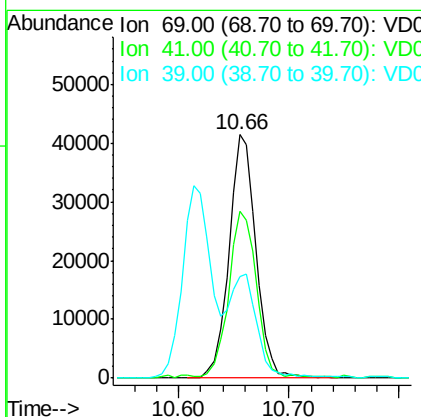
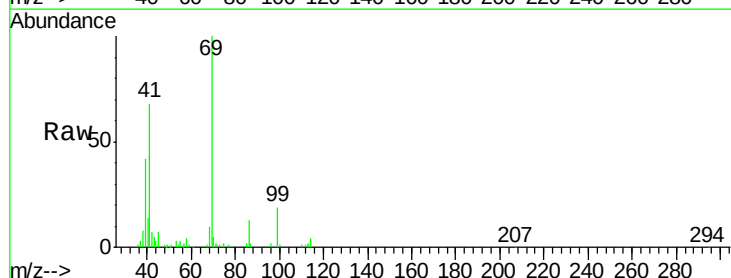
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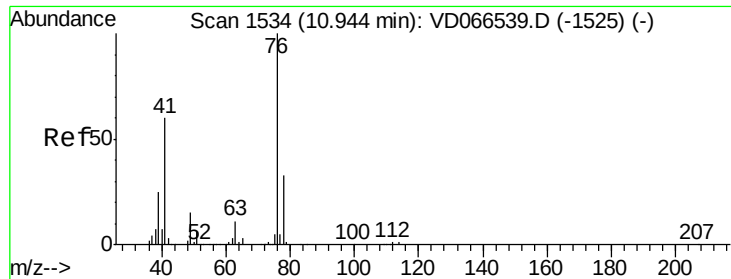
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#56
Ethyl methacrylate
Concen: 20.507 ug/l
RT: 10.66 min Scan# 1485
Delta R.T. -0.00 min
Lab File: VD066545.D
Acq: 03 Sep 2020 20:28

Tgt Ion:	69	Resp:	70865
Ion	Ratio	Lower	Upper
69	100		
41	69.5	56.8	85.2
39	43.1	30.6	46.0





#57

1,3-Dichloropropane

Concen: 20.369 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VD066545.D

Acq: 03 Sep 2020 20:28

Instrument :

MSVOA_D

ClientSampleId :

VD0903SBS01

Tot Ion: 76 Resp: 105887

Ion Ratio Lower Upper

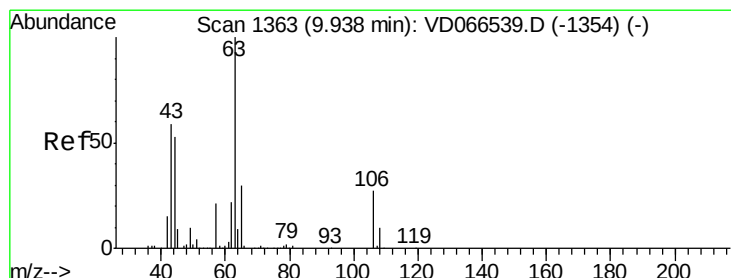
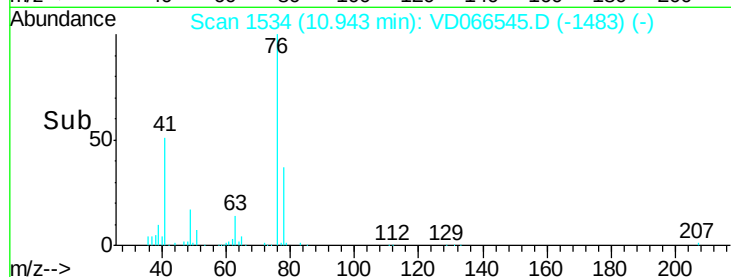
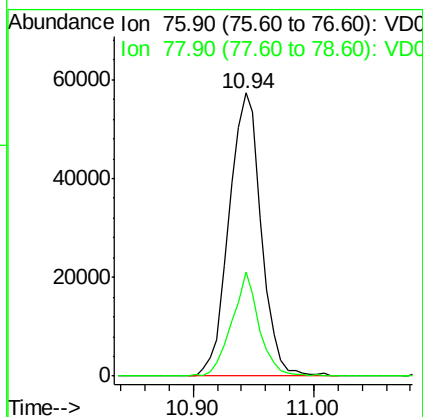
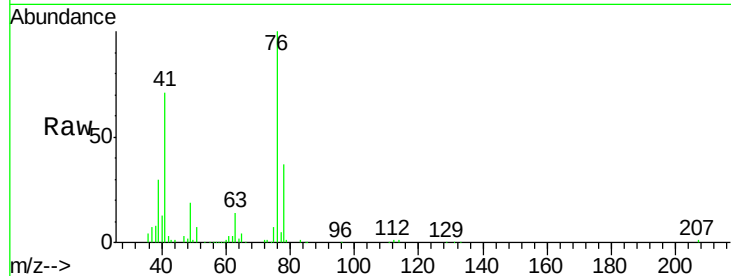
76 100

78 31.4 25.8 38.8

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 116.124 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VD066545.D

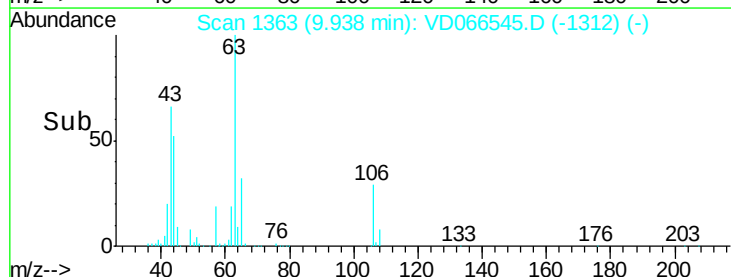
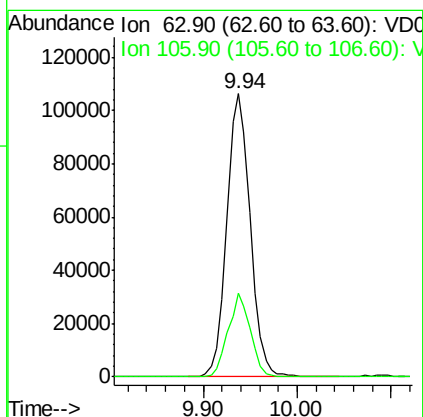
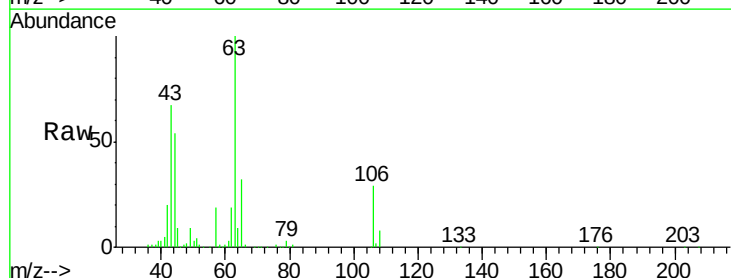
Acq: 03 Sep 2020 20:28

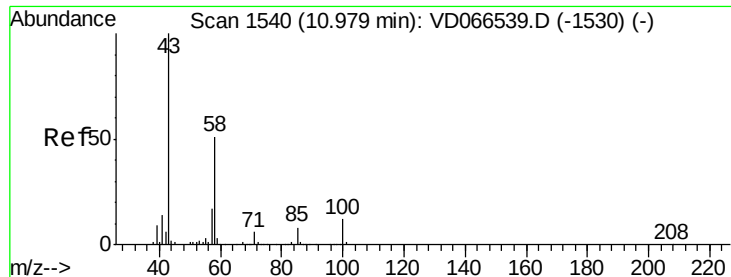
Tgt Ion: 63 Resp: 183542

Ion Ratio Lower Upper

63 100

106 28.0 22.0 33.0





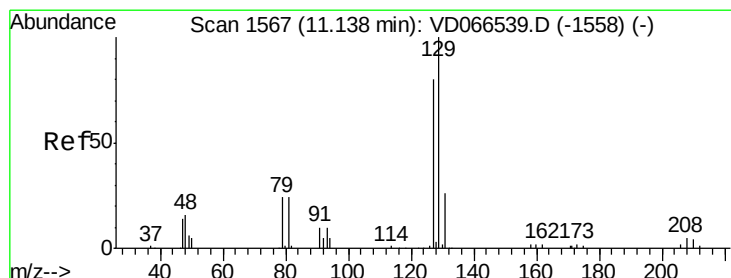
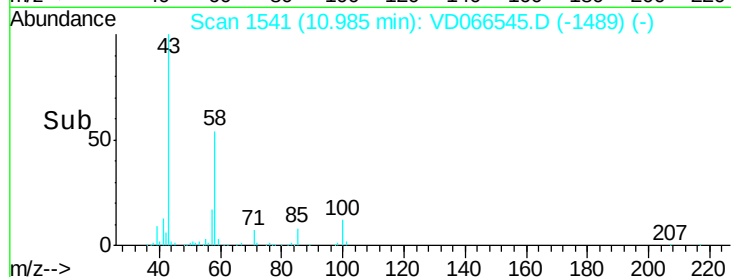
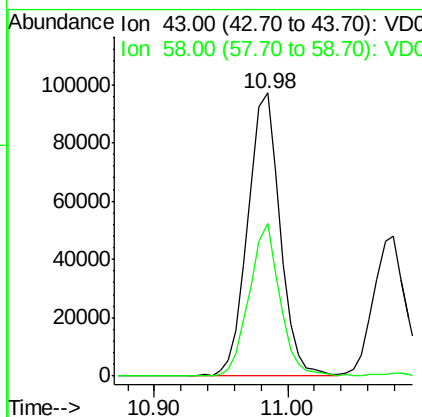
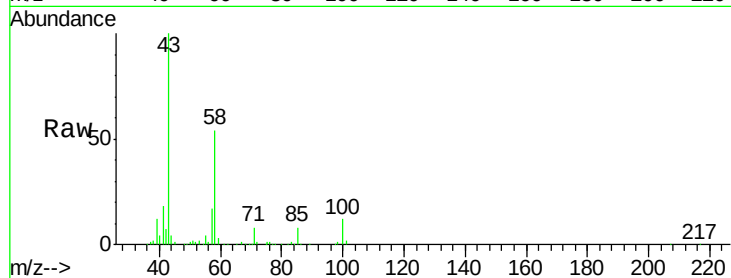
#59
2-Hexanone
Concen: 103.100 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.01 min
Lab File: VD066545.D
Acq: 03 Sep 2020 20:28

Instrument :
MSVOA_D
ClientSampleId :
VD0903SBSD01

Tot Ion: 43 Resp: 162085
Ion Ratio Lower Upper
43 100
58 51.2 25.6 76.8

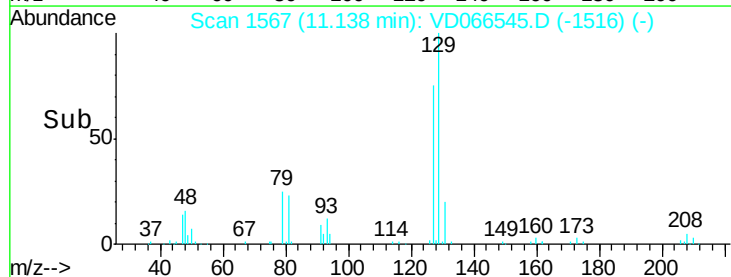
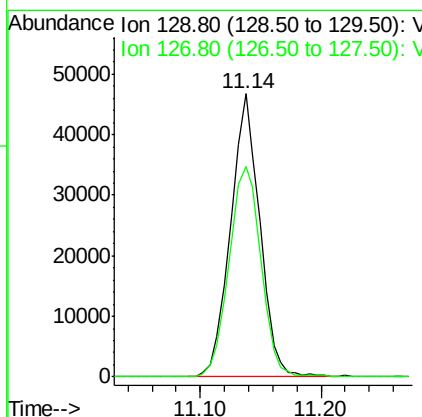
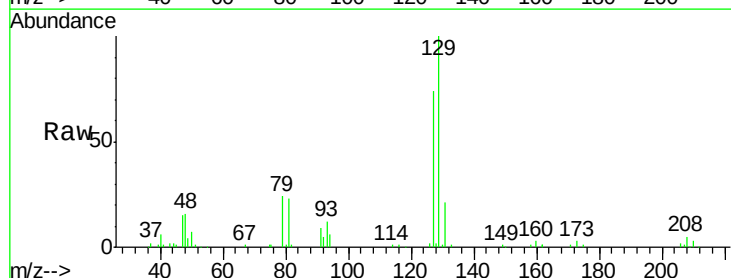
Manual Integrations
APPROVED

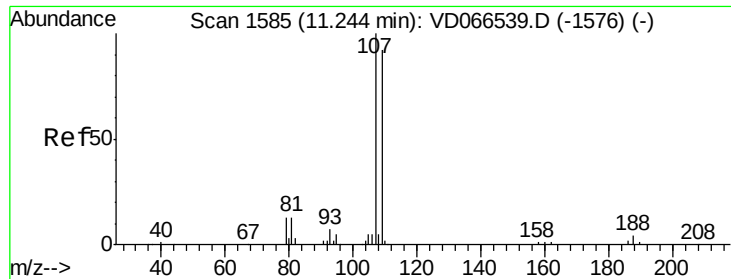
MMDadoda
9/4/2020 4:55:05 PM



#60
Dibromochloromethane
Concen: 20.081 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066545.D
Acq: 03 Sep 2020 20:28

Tgt Ion: 129 Resp: 78811
Ion Ratio Lower Upper
129 100
127 81.1 39.5 118.3





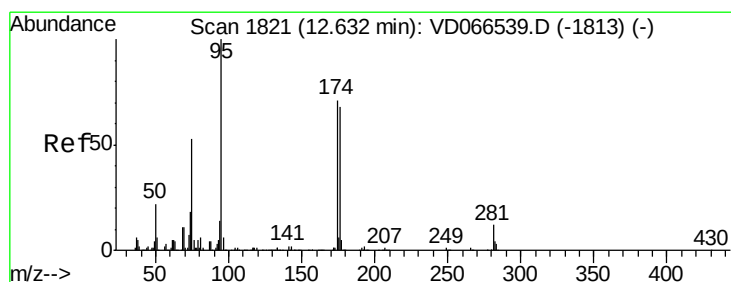
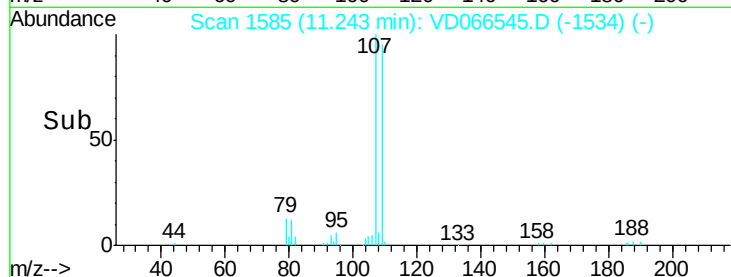
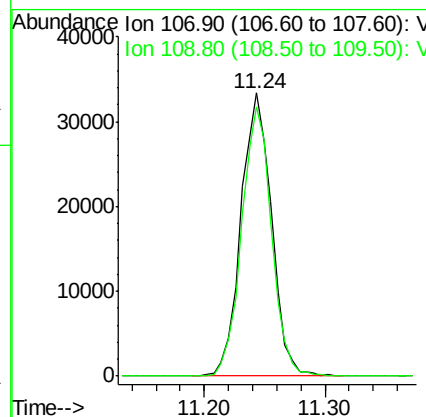
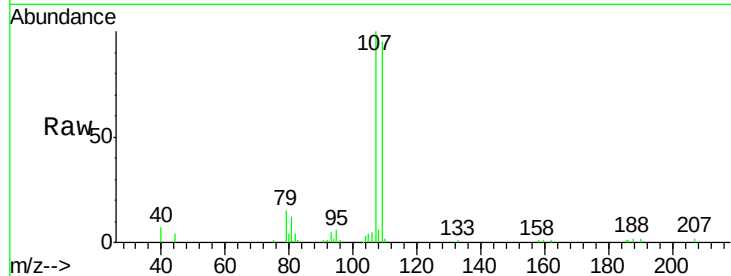
#61
 1,2-Dibromoethane
 Concen: 20.362 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066545.D
 Acq: 03 Sep 2020 20:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0903SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	74.4	111.6

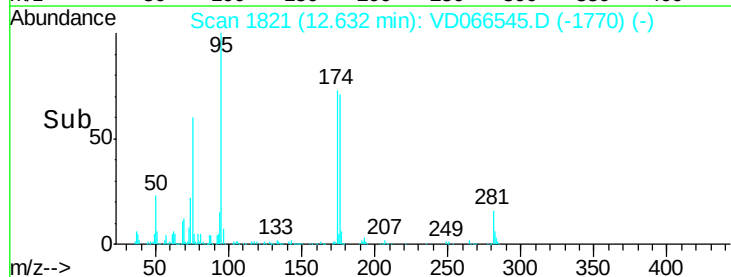
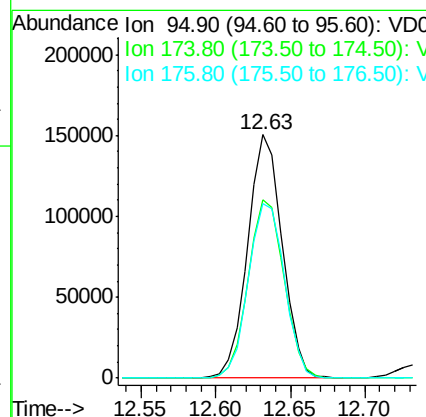
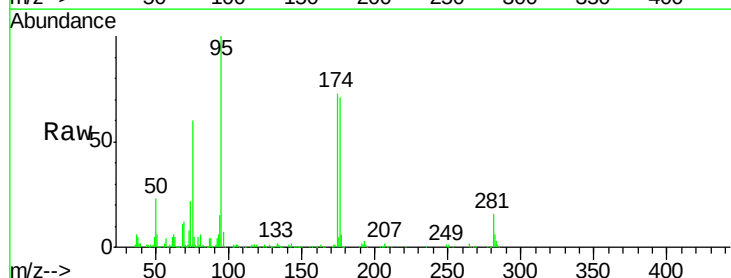
Manual Integrations
 APPROVED

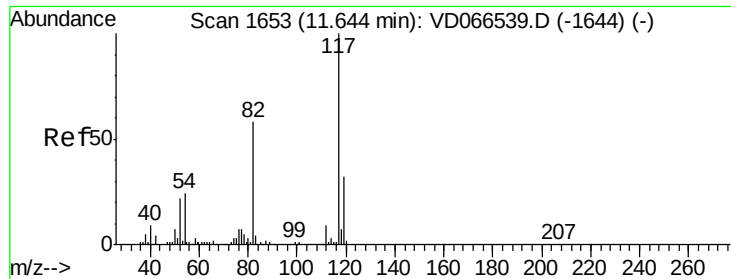
MMDadoda
 9/4/2020 4:55:05 PM



#62
 4-Bromofluorobenzene
 Concen: 51.718 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066545.D
 Acq: 03 Sep 2020 20:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.8	0.0	155.8
176	75.0	0.0	148.6





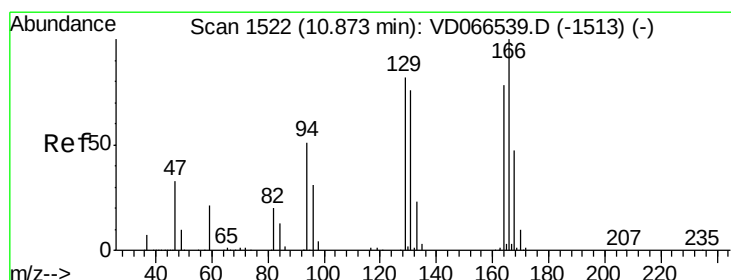
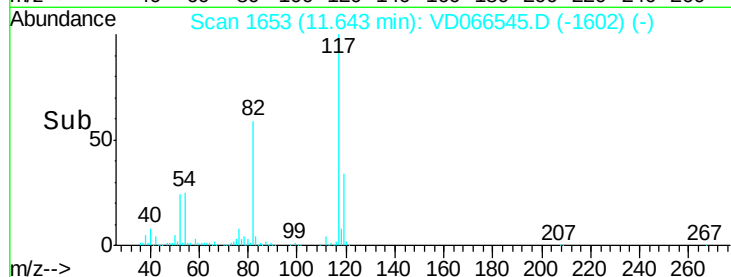
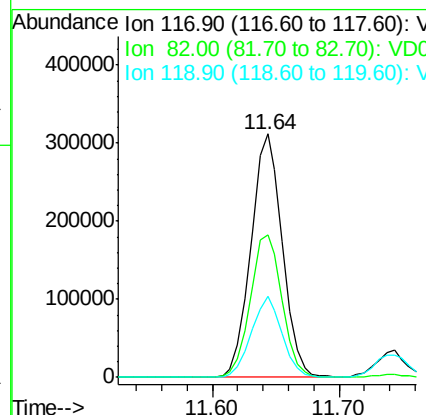
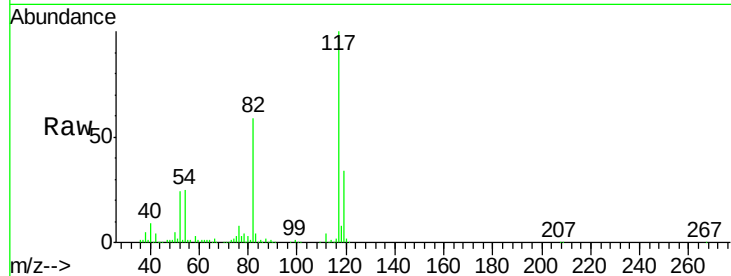
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066545.D
Acq: 03 Sep 2020 20:28

Instrument :
MSVOA_D
ClientSampleId :
VD0903SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.6	46.2	69.2
119	33.5	25.8	38.8

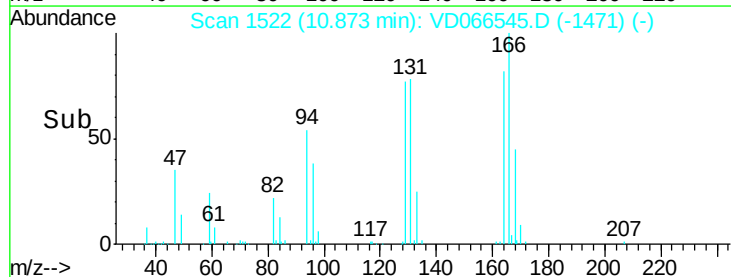
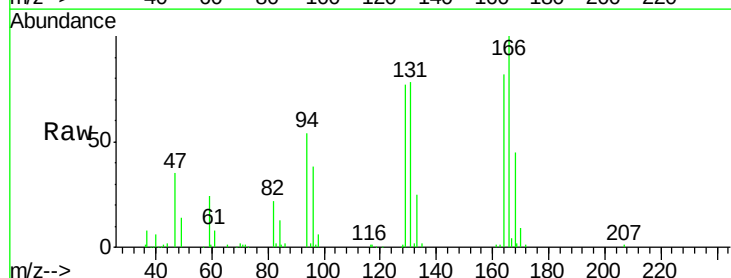
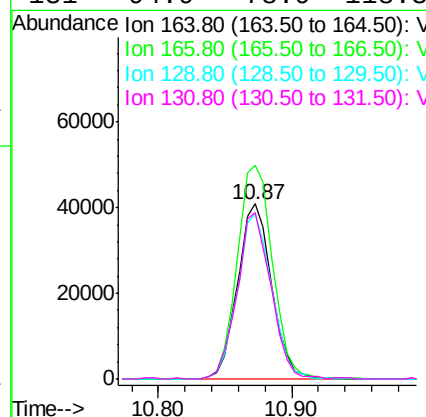
Manual Integrations
APPROVED

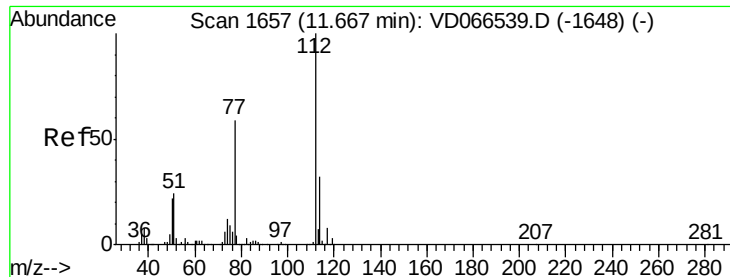
MMDadoda
9/4/2020 4:55:05 PM



#64
Tetrachloroethene
Concen: 19.964 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066545.D
Acq: 03 Sep 2020 20:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.0	103.2	154.8
129	94.5	84.5	126.7
131	94.9	78.9	118.3





#65

Chlorobenzene

Concen: 20.133 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VD066545.D

Acq: 03 Sep 2020 20:28

Instrument :

MSVOA_D

ClientSampleId :

VD0903SBSD01

Tot Ion:112 Resp: 223159

Ion Ratio Lower Upper

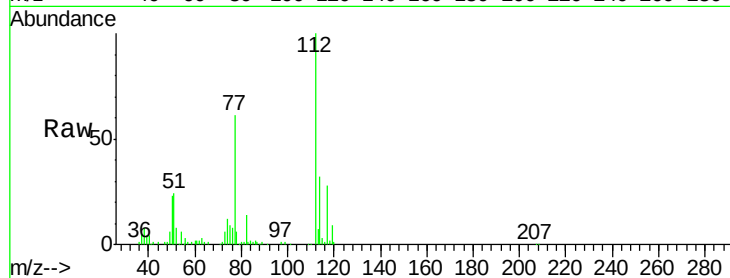
112 100

114 31.6 25.7 38.5

Manual Integrations
APPROVED

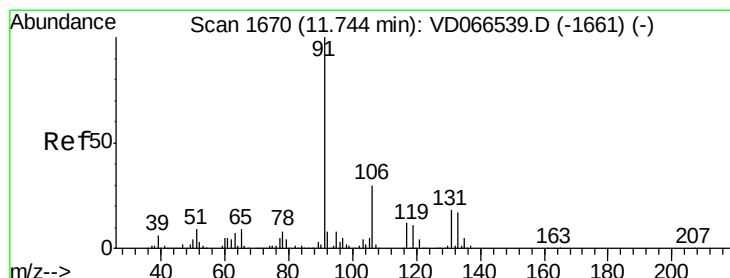
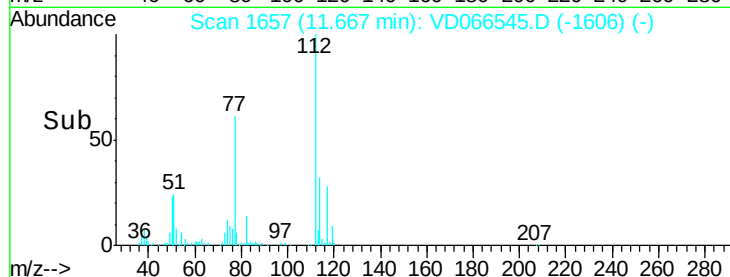
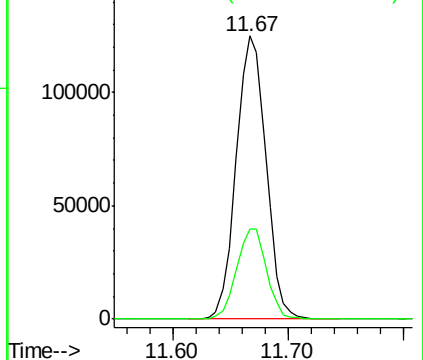
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.858 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066545.D

Acq: 03 Sep 2020 20:28

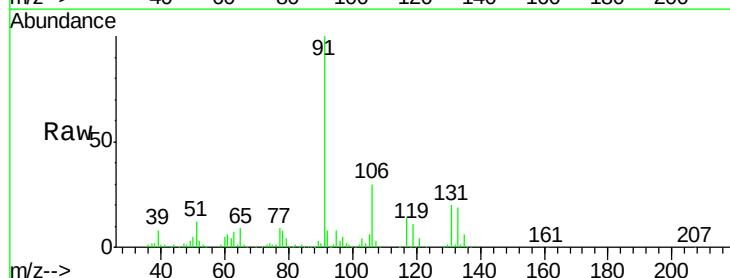
Tgt Ion:131 Resp: 84005

Ion Ratio Lower Upper

131 100

133 95.1 46.7 140.0

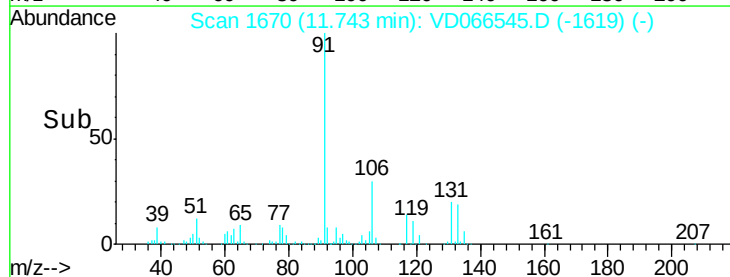
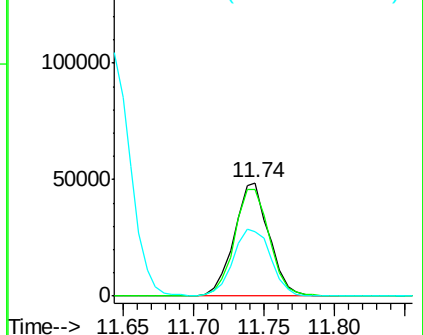
119 64.2 31.9 95.7

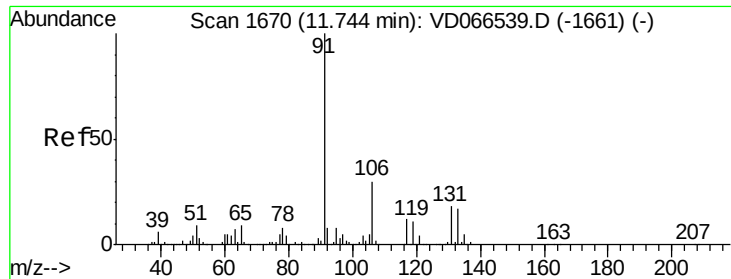


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





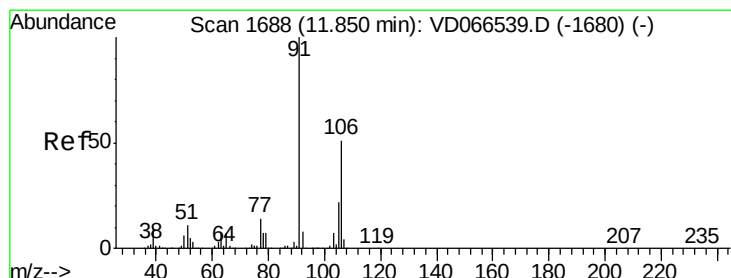
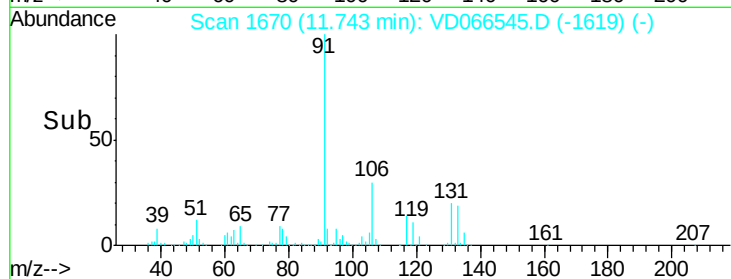
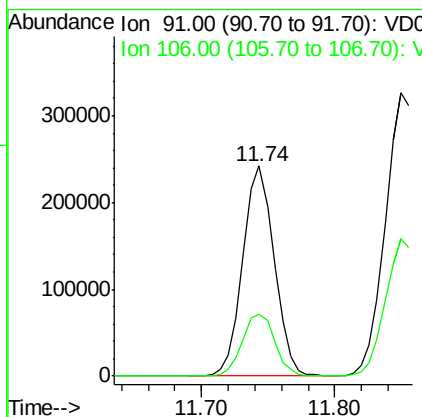
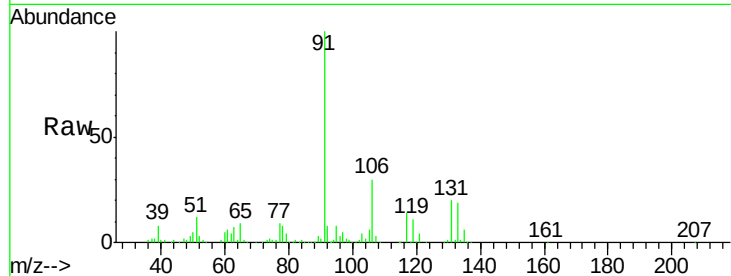
#67
Ethyl Benzene
Concen: 19.429 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066545.D
Acq: 03 Sep 2020 20:28

Instrument :
MSVOA_D
ClientSampleId :
VD0903SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.5	24.3	36.5

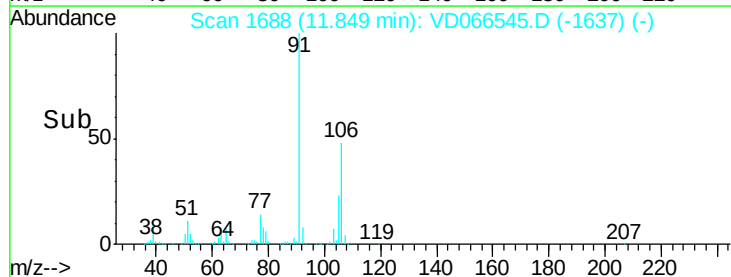
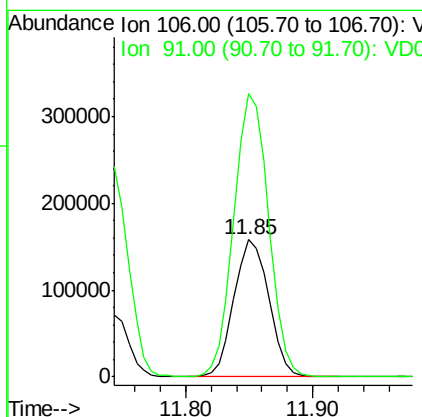
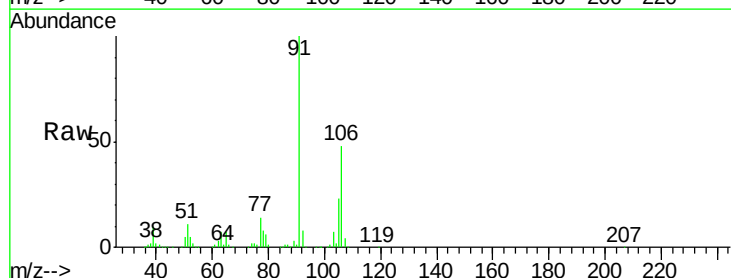
Manual Integrations
APPROVED

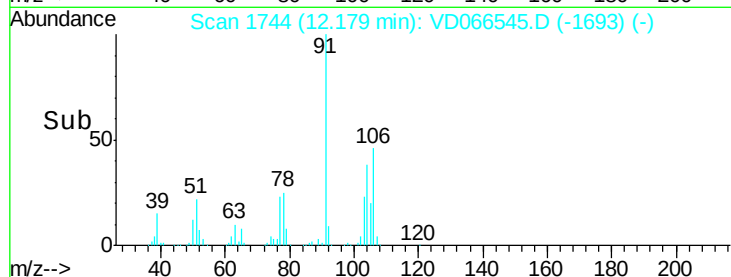
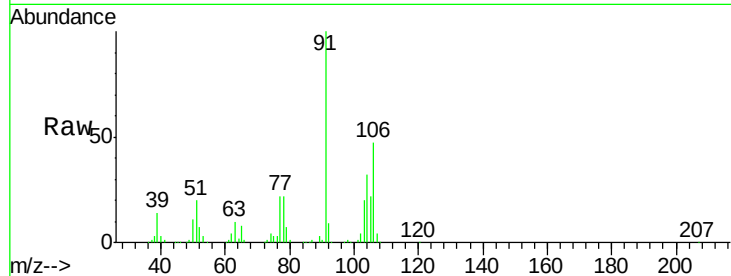
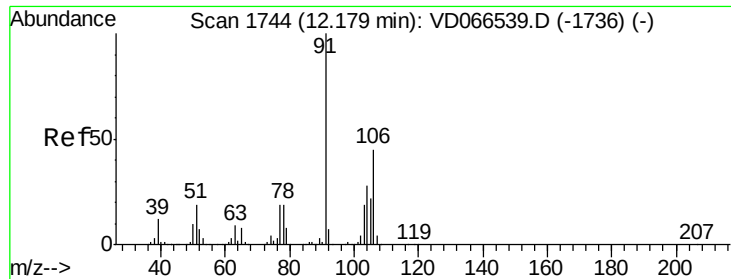
MMDadoda
9/4/2020 4:55:05 PM



#68
m/p-Xylenes
Concen: 40.100 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VD066545.D
Acq: 03 Sep 2020 20:28

Tgt Ion	Ratio	Lower	Upper
106	100		
91	205.3	162.4	243.6





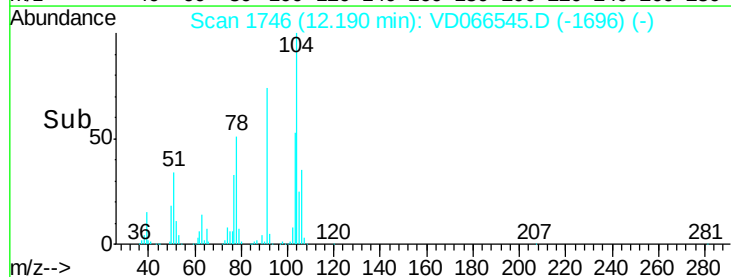
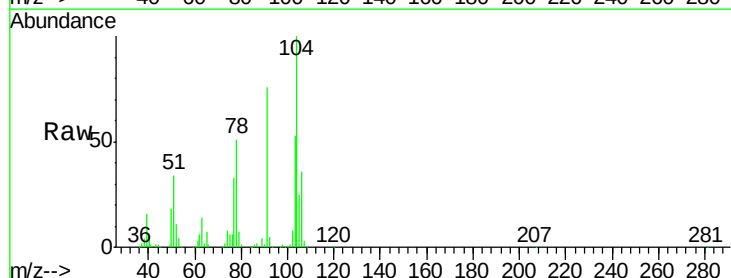
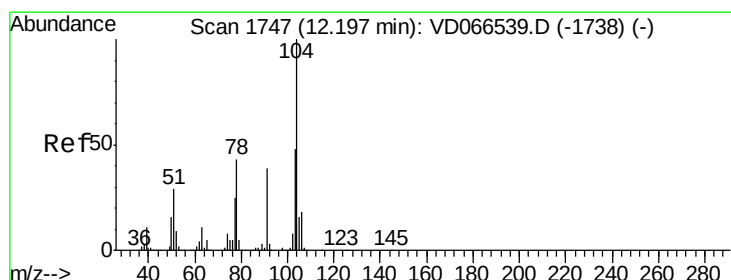
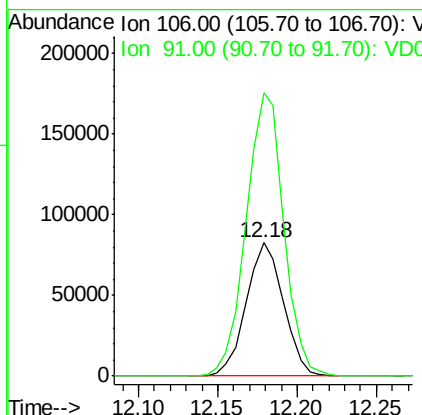
#69
o-Xylene
Concen: 19.999 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066545.D
Acq: 03 Sep 2020 20:28

Tot Ion	Ratio	Resp	Lower	Upper
106	100	135445		
91	214.3	107.9	323.8	

Instrument :
MSVOA_D
ClientSampleId :
VD0903SBS01

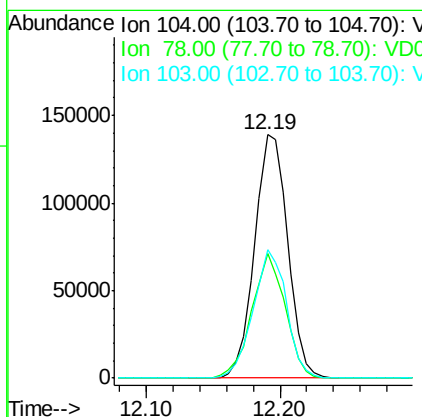
Manual Integrations
APPROVED

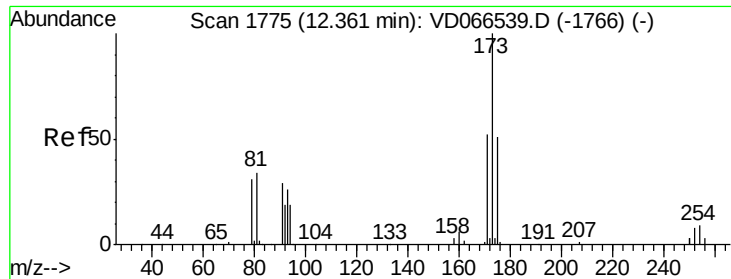
MMDadoda
9/4/2020 4:55:05 PM



#70
Styrene
Concen: 20.209 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066545.D
Acq: 03 Sep 2020 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	237941		
78	51.6	40.7	61.1	
103	53.4	42.9	64.3	





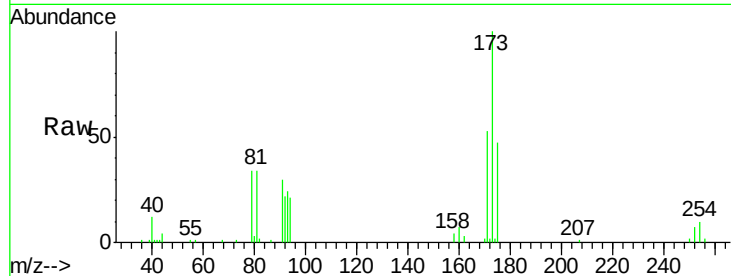
#71
Bromoform
Concen: 20.000 ug/l
RT: 12.36 min Scan# 1774
Delta R.T. -0.01 min
Lab File: VD066545.D
Acq: 03 Sep 2020 20:28

Instrument :
MSVOA_D
ClientSampleId :
VD0903SBSD01

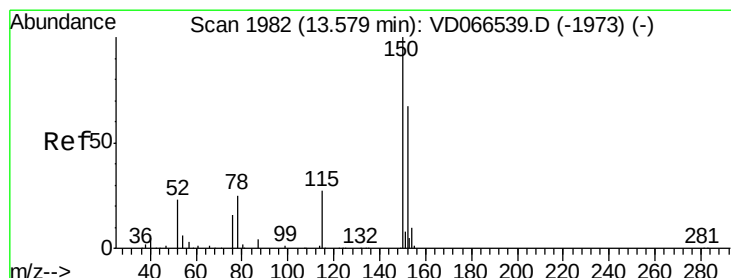
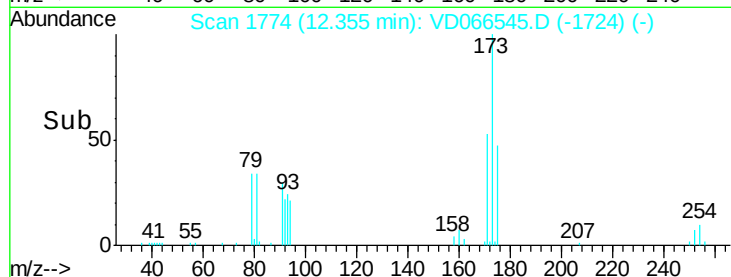
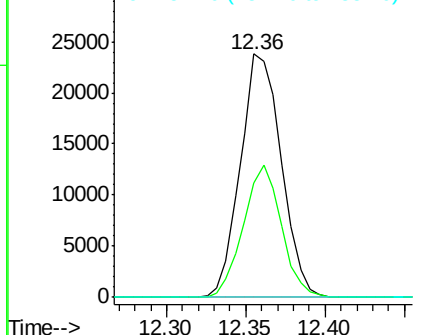
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.7	24.2	72.6
254	0.0	0.0	0.0

Manual Integrations
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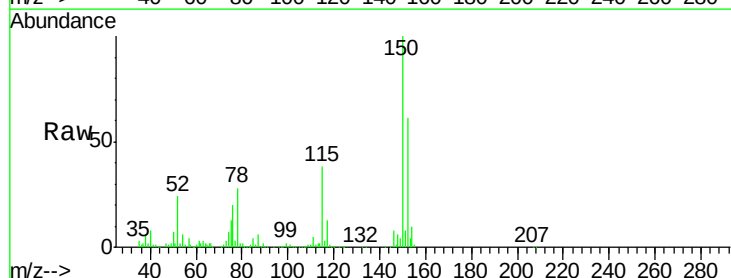


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

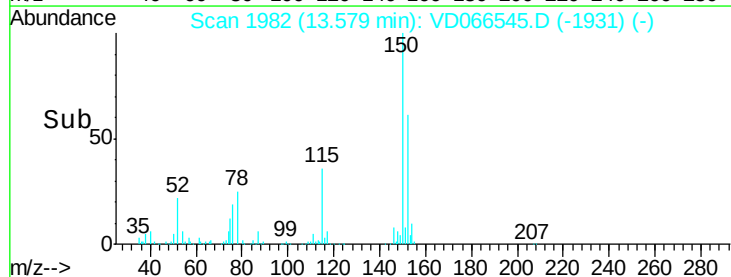
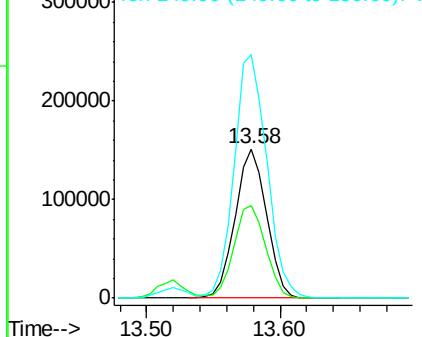


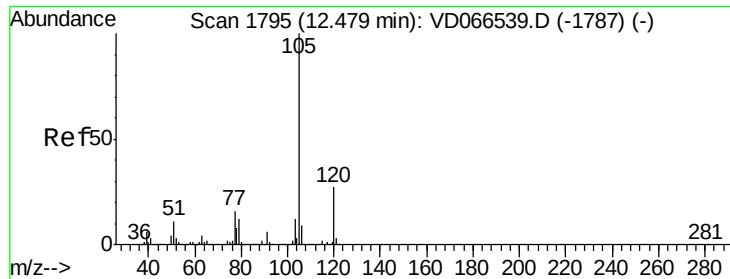
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066545.D
Acq: 03 Sep 2020 20:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.8	30.4	91.2
150	170.0	0.0	345.8



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





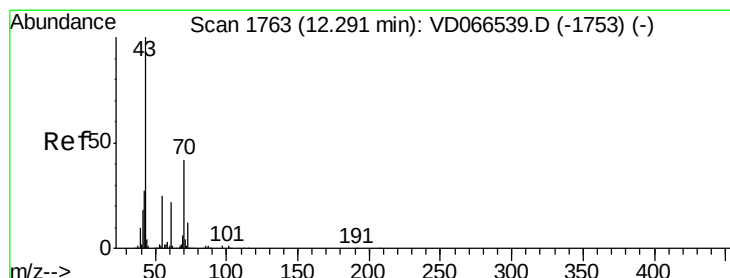
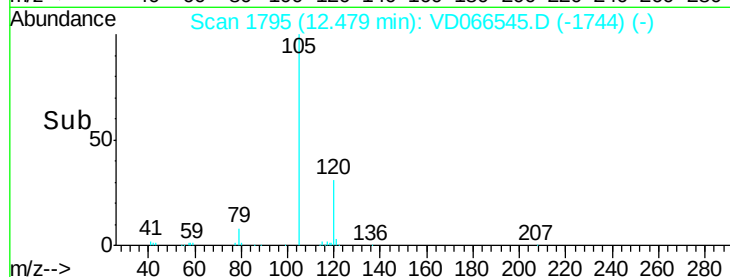
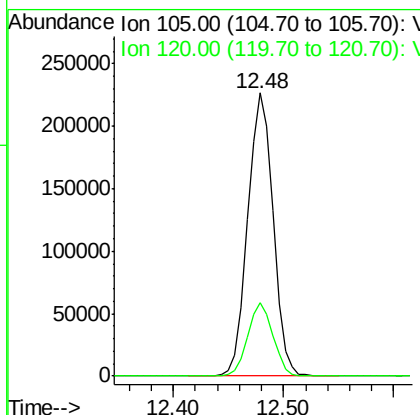
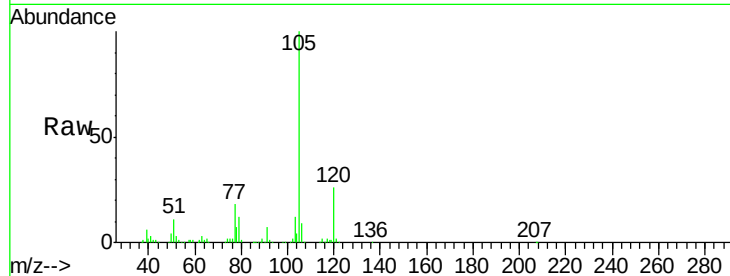
#73
Isopropylbenzene
Concen: 20.043 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VD066545.D
Acq: 03 Sep 2020 20:28

Instrument :
MSVOA_D
ClientSampleId :
VD0903SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	366435		
120	25.8	13.0	39.0	

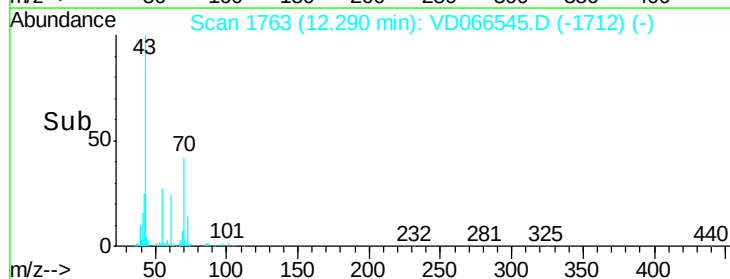
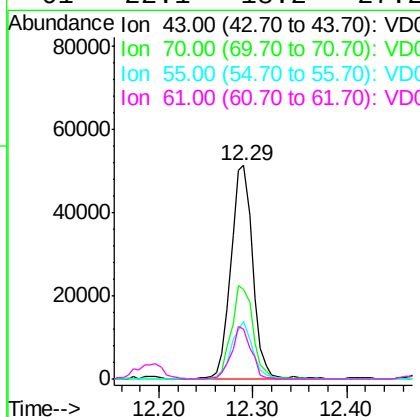
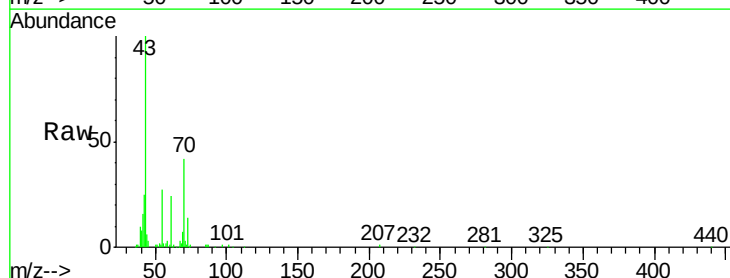
Manual Integrations
APPROVED

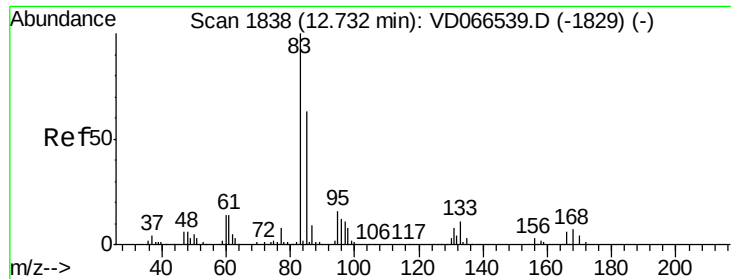
MMDadoda
9/4/2020 4:55:05 PM



#74
N-ethyl acetate
Concen: 19.961 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VD066545.D
Acq: 03 Sep 2020 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	82654		
70	42.9	33.4	50.2	
55	25.6	20.1	30.1	
61	22.1	18.2	27.2	





#75

1,1,2,2-Tetrachloroethane

Concen: 20.410 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066545.D

Acq: 03 Sep 2020 20:28

Instrument :

MSVOA_D

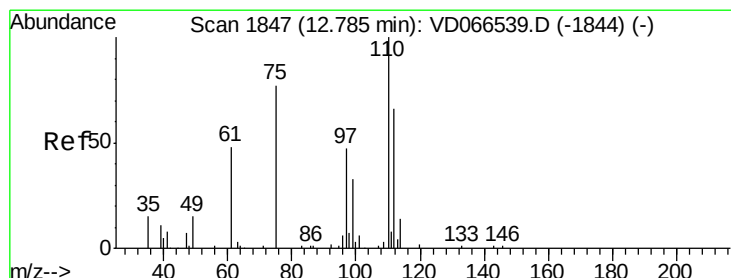
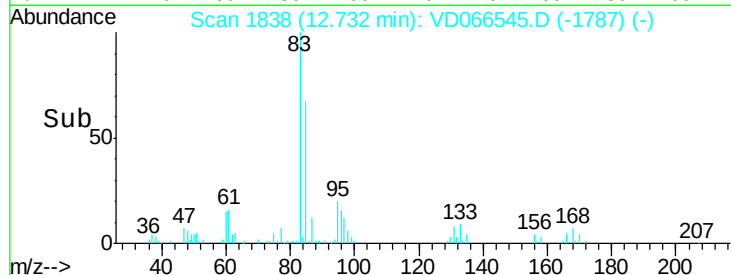
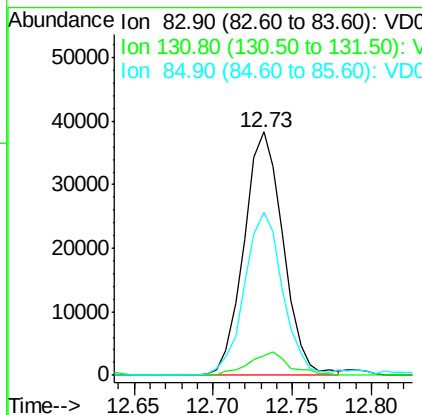
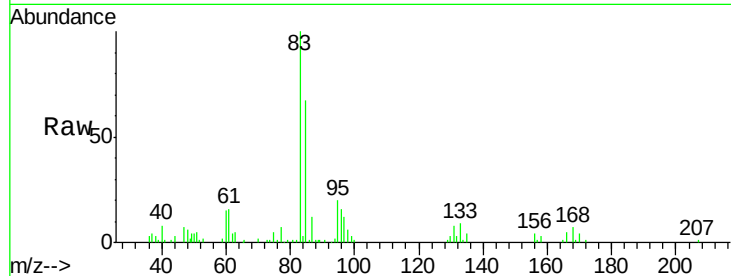
ClientSampleId :

VD0903SBSD01

Tot Ion:	83	Resp:	65921
Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	15.0
85	65.6	32.1	96.3

Manual Integrations
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9/4/2020 4:55:05 PM



#76

1,2,3-Trichloropropane

Concen: 23.646 ug/l m

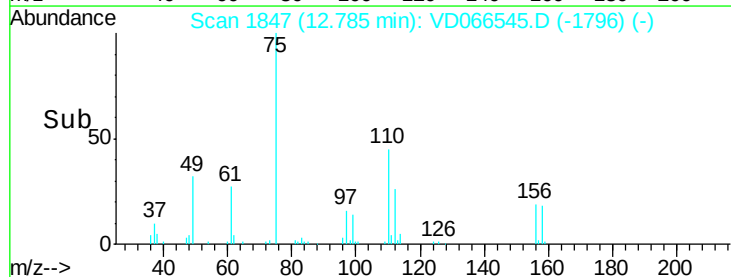
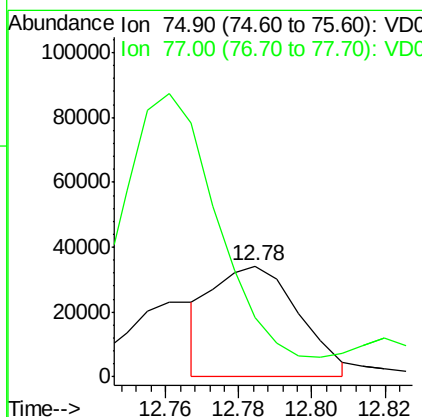
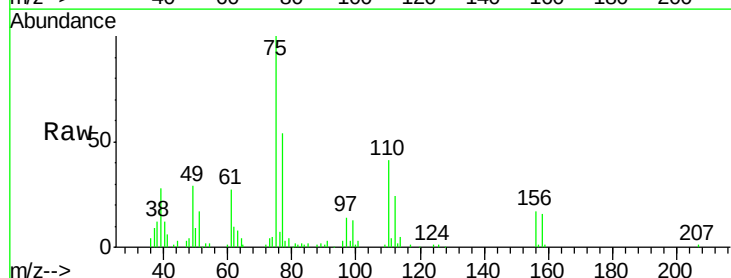
RT: 12.78 min Scan# 1847

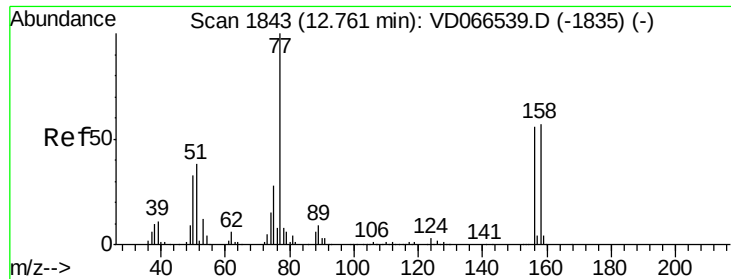
Delta R.T. -0.00 min

Lab File: VD066545.D

Acq: 03 Sep 2020 20:28

Tgt Ion:	75	Resp:	56153
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.610 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD066545.D

Acq: 03 Sep 2020 20:28

Instrument :

MSVOA_D

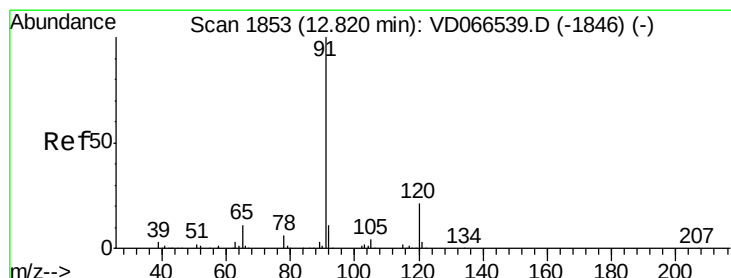
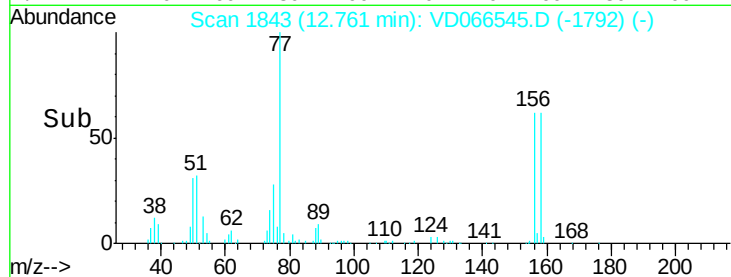
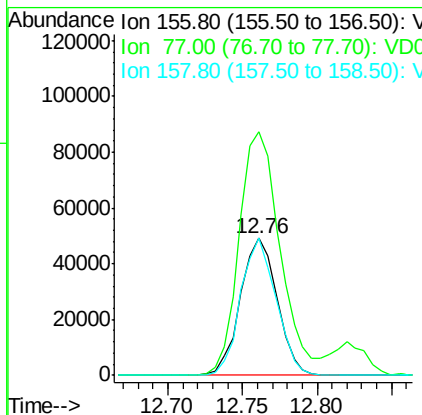
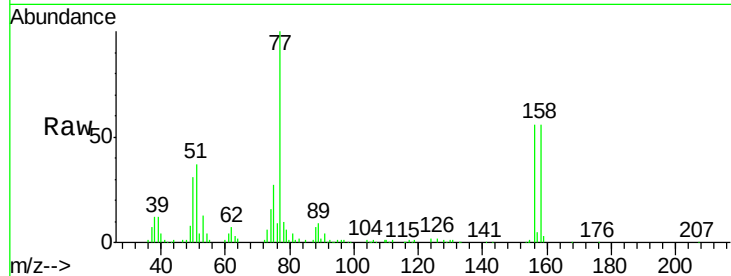
ClientSampleId :

VD0903SBS01

Tot Ion:	156	Resp:	84006
Ion	Ratio	Lower	Upper
156	100		
77	199.1	98.0	294.1
158	96.3	48.1	144.3

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#78

n-propylbenzene

Concen: 20.241 ug/l

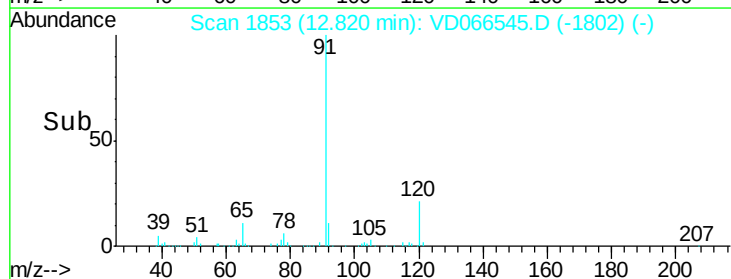
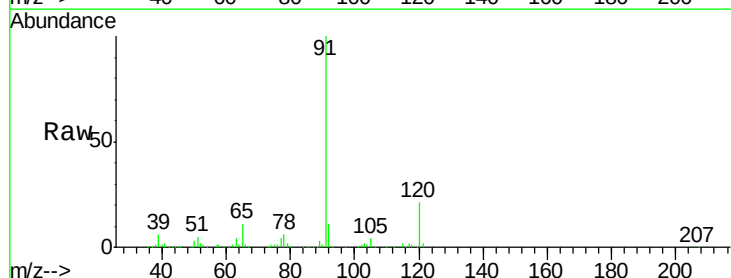
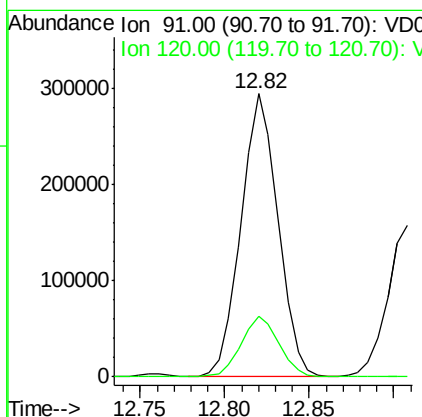
RT: 12.82 min Scan# 1853

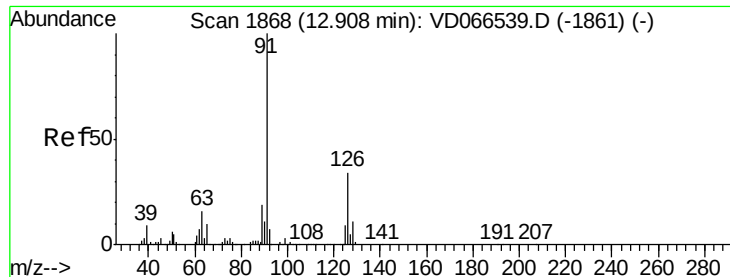
Delta R.T. -0.00 min

Lab File: VD066545.D

Acq: 03 Sep 2020 20:28

Tgt Ion:	91	Resp:	448587
Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.1	33.1





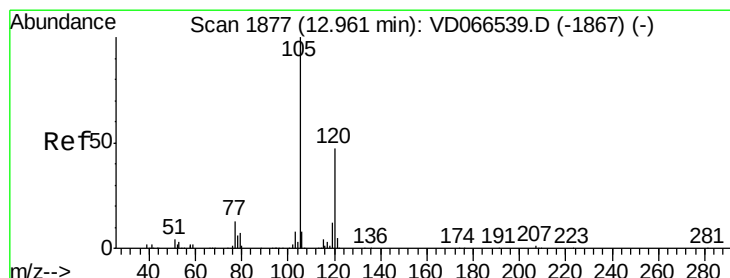
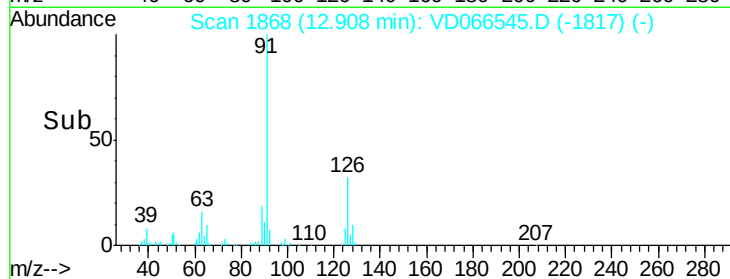
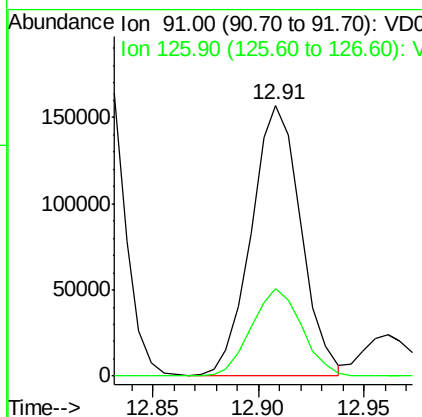
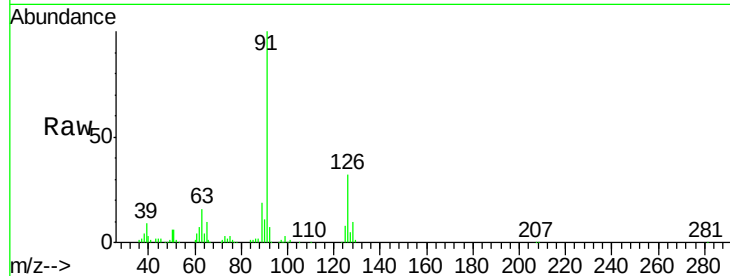
#79
 2-Chlorotoluene
 Concen: 20.657 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VD066545.D
 Acq: 03 Sep 2020 20:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0903SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	256831		
126	33.0	16.4	49.4	

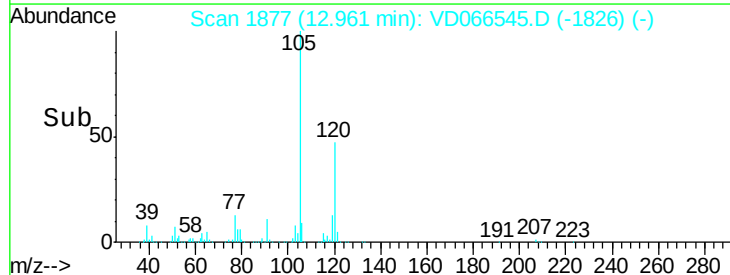
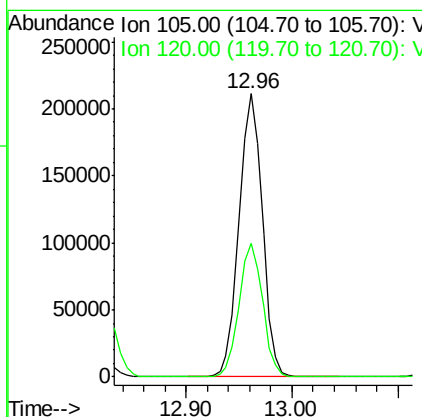
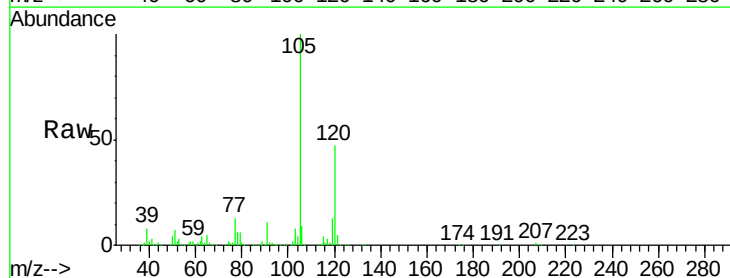
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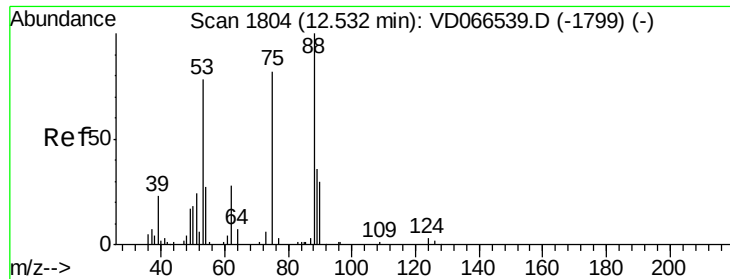
MMDadoda
 9/4/2020 4:55:05 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.926 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VD066545.D
 Acq: 03 Sep 2020 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	322003		
120	47.6	23.9	71.8	





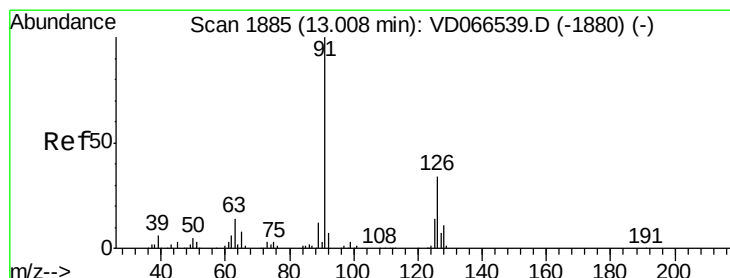
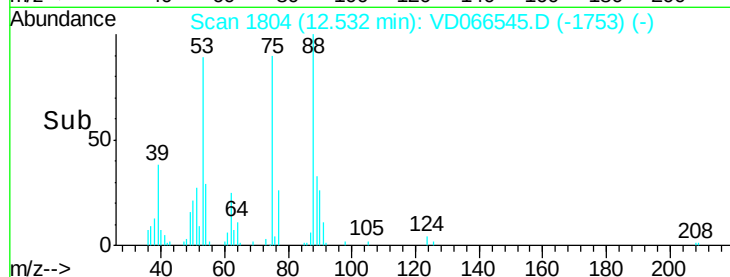
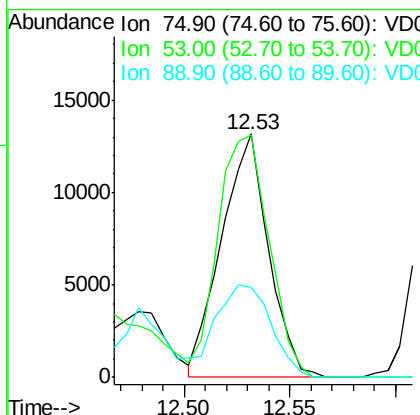
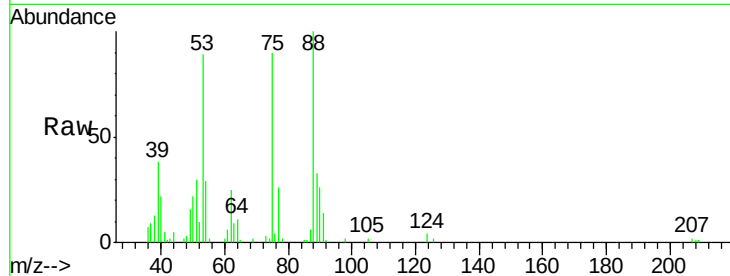
#81
trans-1,4-Dichloro-2-butene
Concen: 19.895 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD066545.D
Acq: 03 Sep 2020 20:28

Instrument :
MSVOA_D
ClientSampleId :
VD0903SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.3	87.0	130.4
89	45.0	37.1	55.7

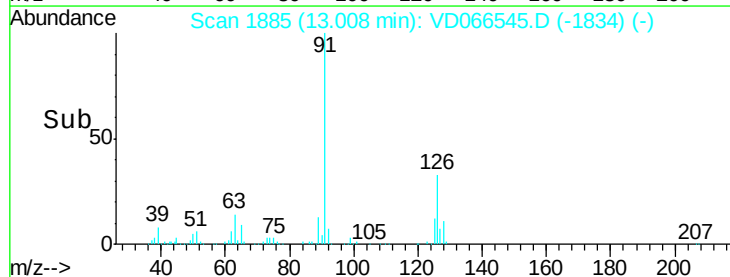
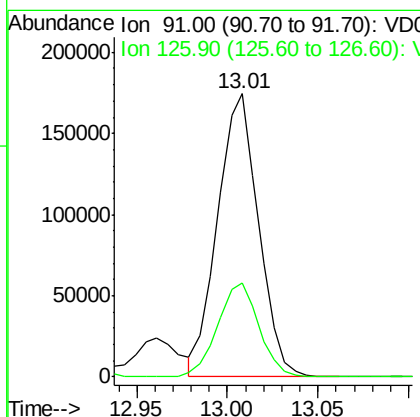
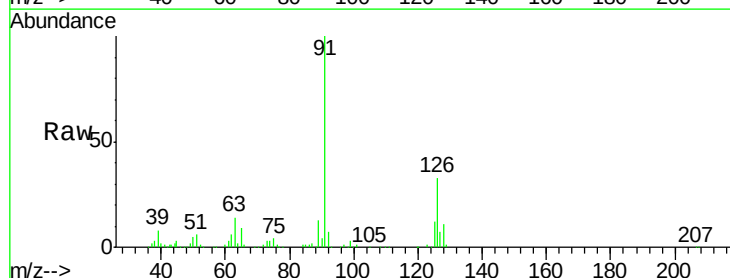
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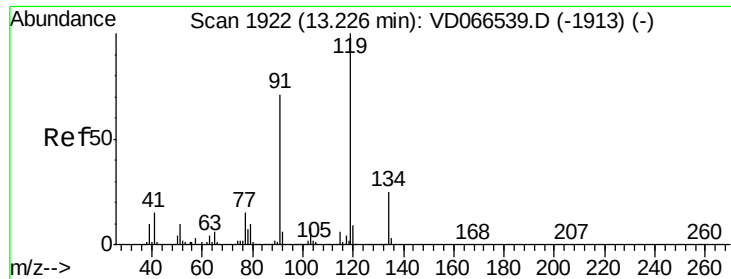
MMDadoda
9/4/2020 4:55:05 PM



#82
4-Chlorotoluene
Concen: 20.537 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD066545.D
Acq: 03 Sep 2020 20:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.4	49.1





#83

tert-Butylbenzene

Concen: 20.278 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.00 min

Lab File: VD066545.D

Acq: 03 Sep 2020 20:28

Instrument :

MSVOA_D

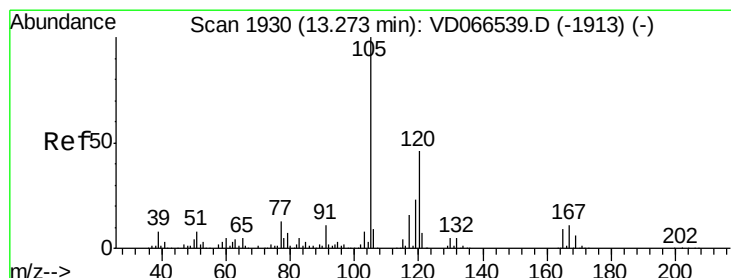
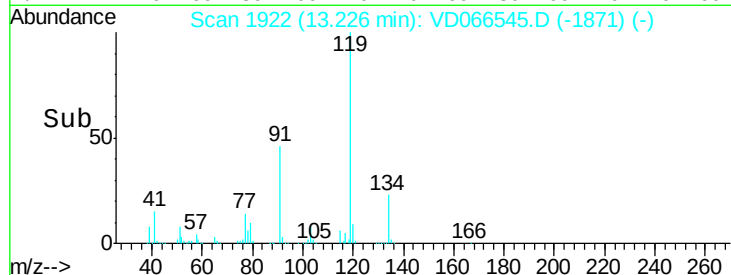
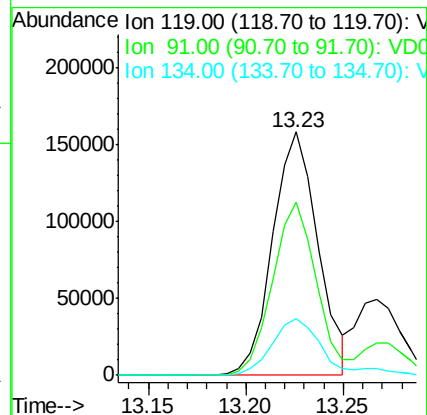
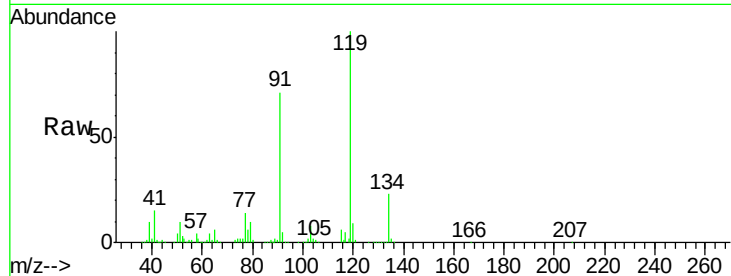
ClientSampleId :

VD0903SBSD01

Tot Ion:	119	Resp:	254812
Ion Ratio	Lower	Upper	
119	100		
91	69.5	35.2	105.6
134	24.3	13.5	40.5

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 21.076 ug/l

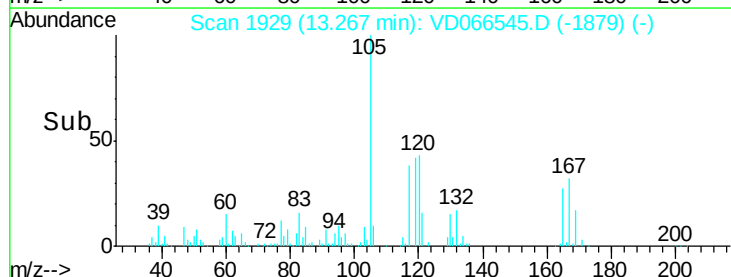
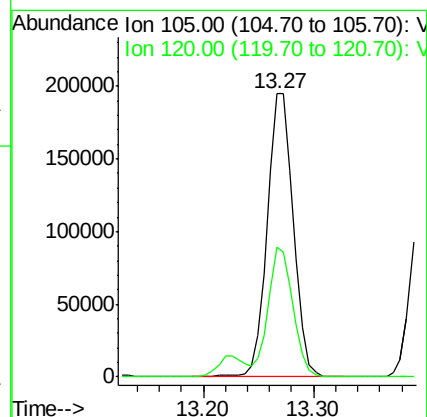
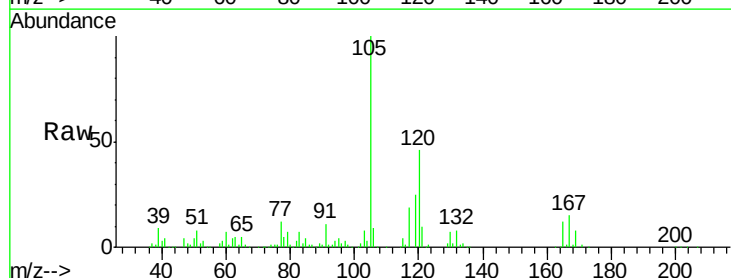
RT: 13.27 min Scan# 1929

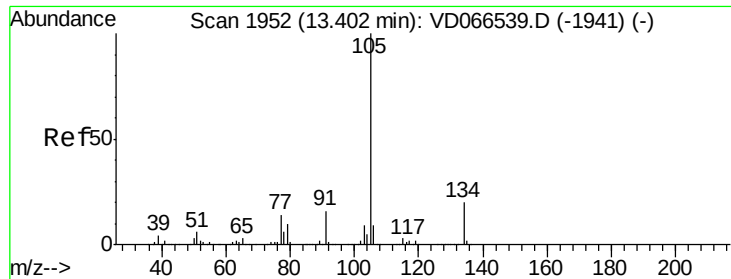
Delta R.T. -0.01 min

Lab File: VD066545.D

Acq: 03 Sep 2020 20:28

Tgt Ion:	105	Resp:	322881
Ion Ratio	Lower	Upper	
105	100		
120	43.5	22.6	67.7





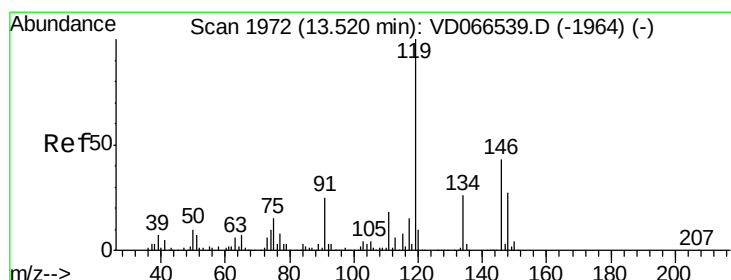
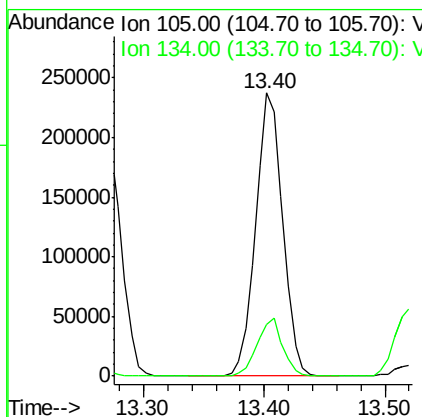
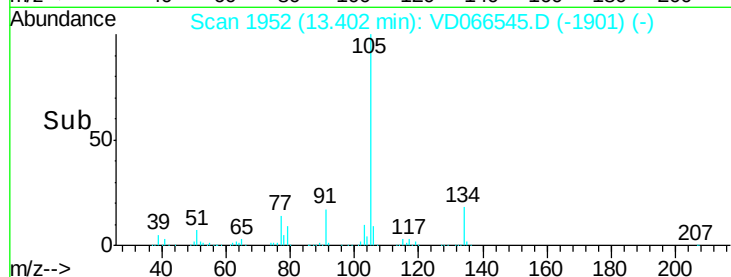
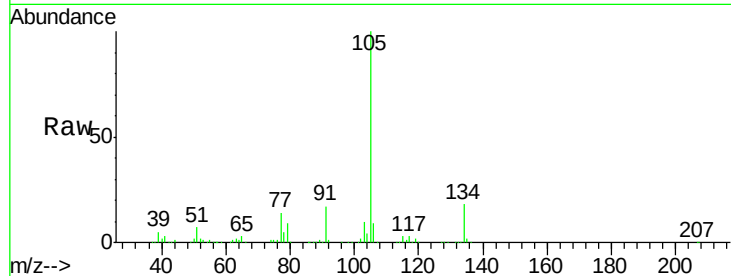
#85
 sec-Butylbenzene
 Concen: 20.327 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VD066545.D
 Acq: 03 Sep 2020 20:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0903SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	367992		
134	19.3	9.8	29.5	

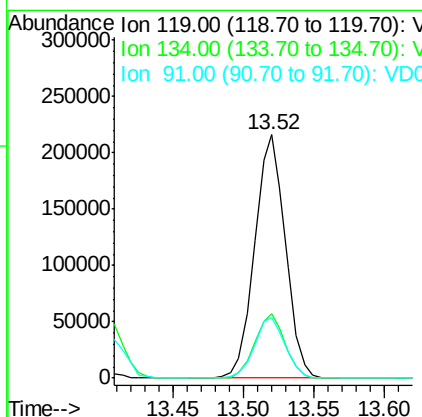
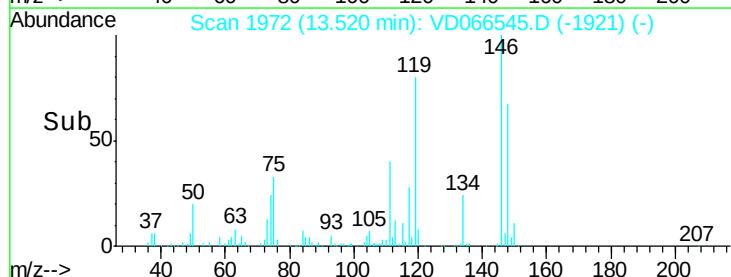
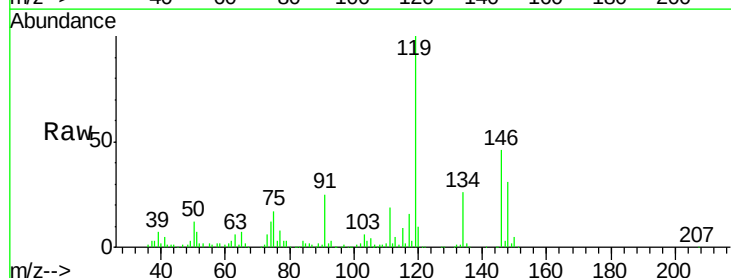
Manual Integrations
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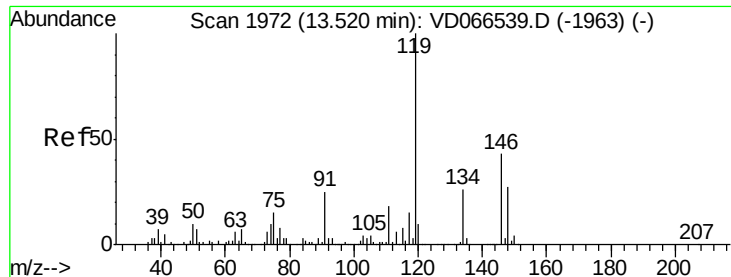
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 20.224 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066545.D
 Acq: 03 Sep 2020 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	329544		
134	25.8	12.7	38.0	
91	25.0	12.5	37.5	





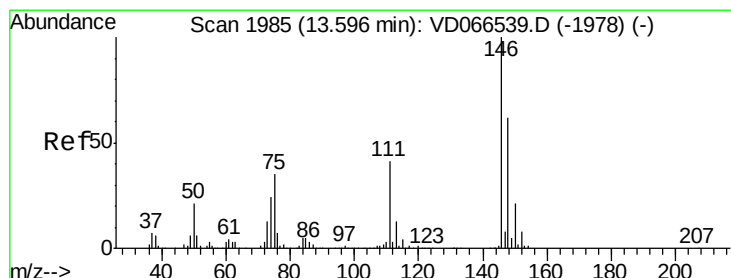
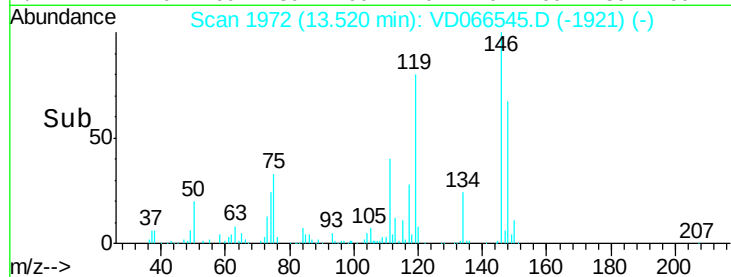
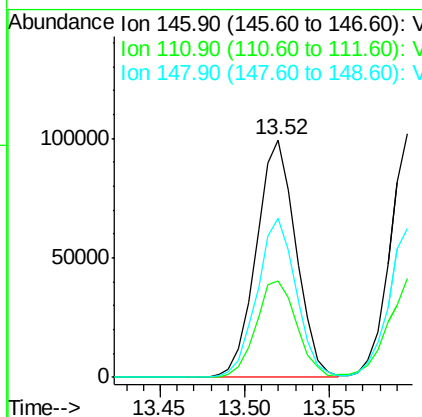
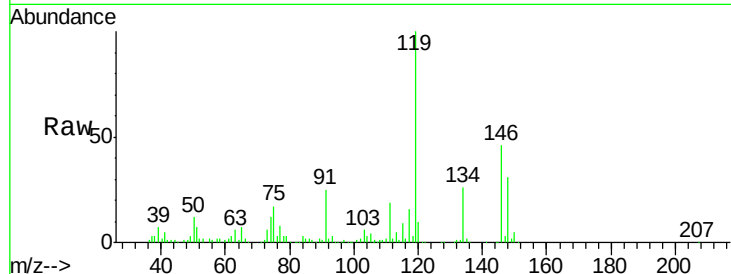
#87
 1,3-Dichlorobenzene
 Concen: 20.006 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066545.D
 Acq: 03 Sep 2020 20:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0903SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	161882		
111	41.8	20.6	61.9	
148	66.2	32.1	96.3	

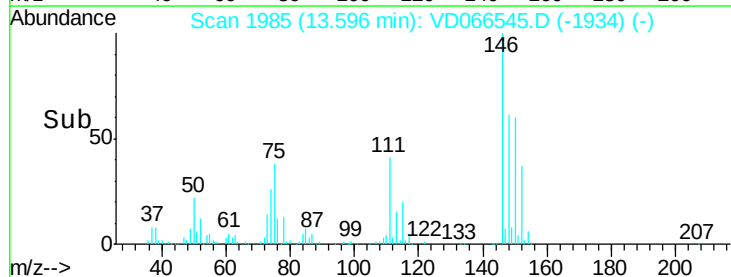
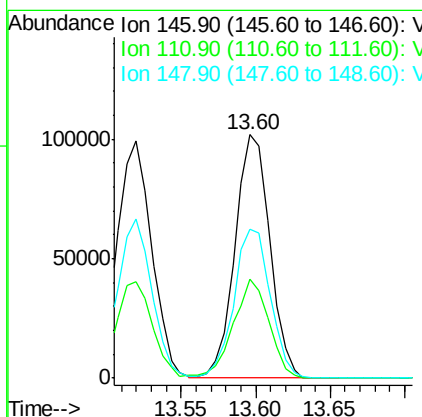
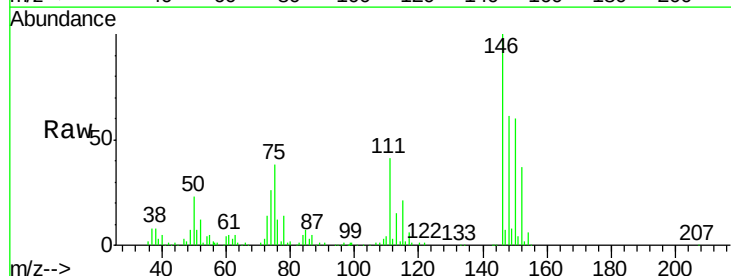
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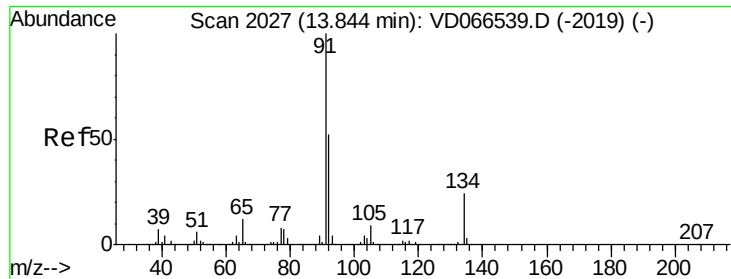
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#88
 1,4-Dichlorobenzene
 Concen: 20.353 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD066545.D
 Acq: 03 Sep 2020 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	165303		
111	41.7	20.1	60.2	
148	63.9	31.6	94.8	





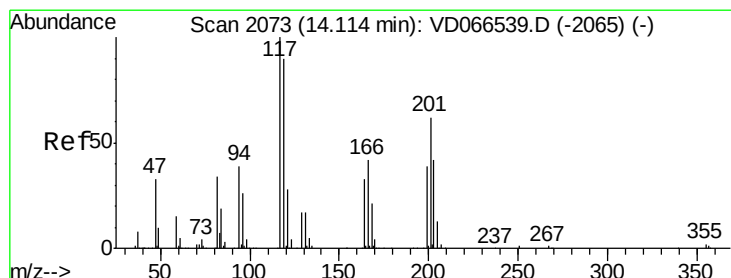
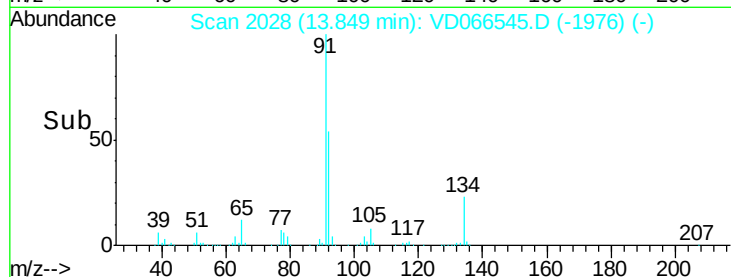
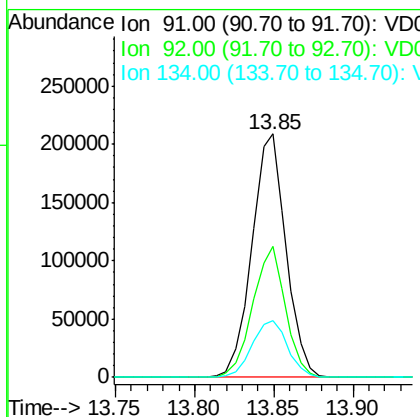
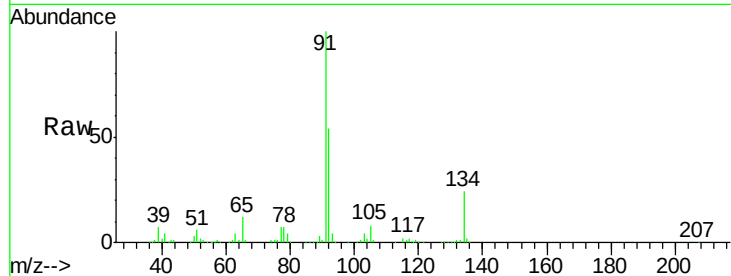
#89
n-Butylbenzene
Concen: 19.685 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD066545.D
Acq: 03 Sep 2020 20:28

Instrument :
MSVOA_D
ClientSampleId :
VD0903SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.5	79.5
134	24.3	12.1	36.3

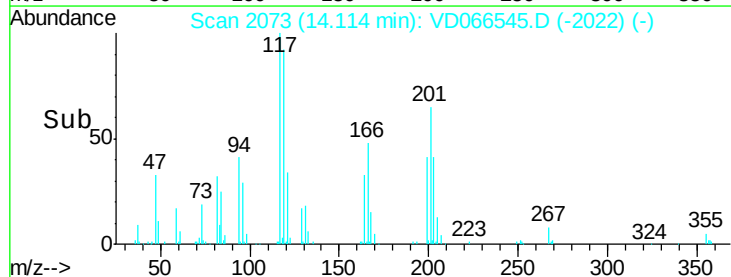
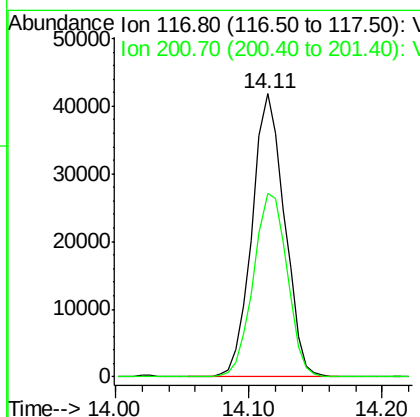
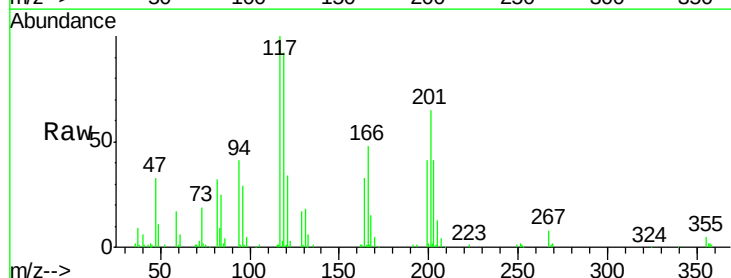
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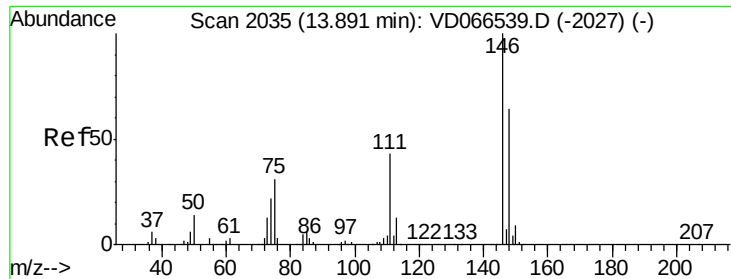
MMDadoda
9/4/2020 4:55:05 PM



#90
Hexachloroethane
Concen: 20.031 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066545.D
Acq: 03 Sep 2020 20:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.4	31.9	95.5





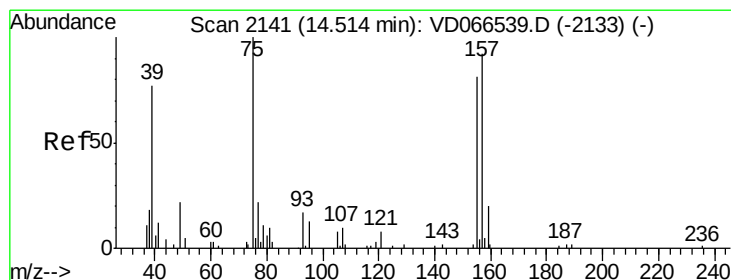
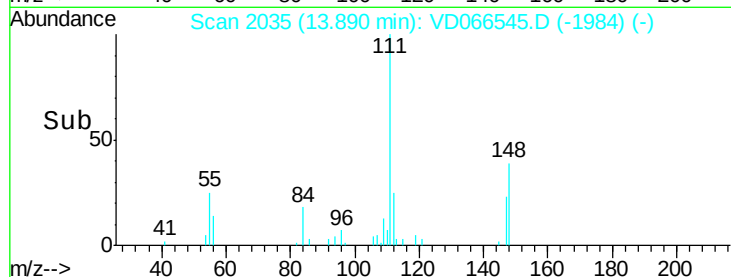
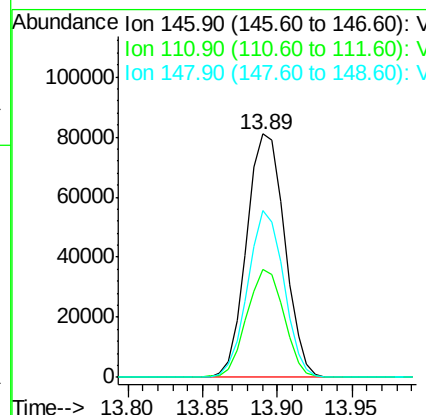
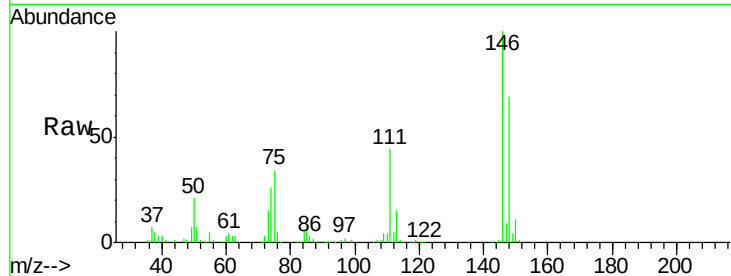
#91
 1,2-Dichlorobenzene
 Concen: 20.199 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD066545.D
 Acq: 03 Sep 2020 20:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0903SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.1	63.4
148	65.1	31.8	95.3

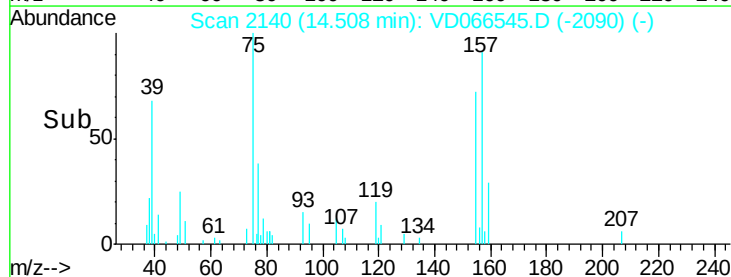
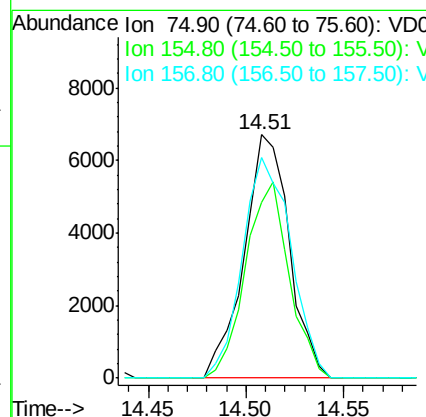
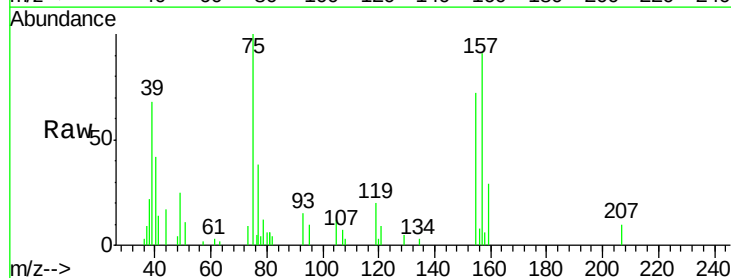
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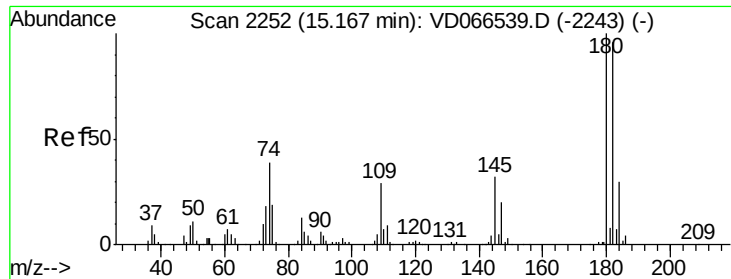
MMDadoda
 9/4/2020 4:55:05 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.644 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066545.D
 Acq: 03 Sep 2020 20:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.7	39.3	117.8
157	97.1	46.0	137.8





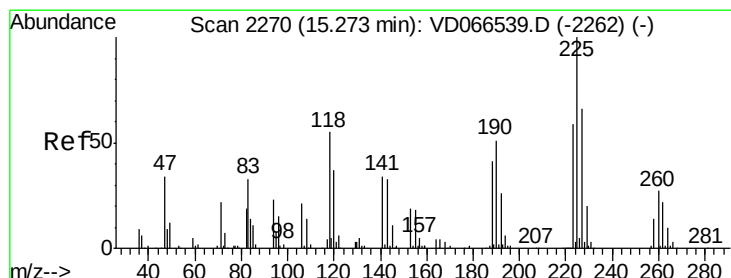
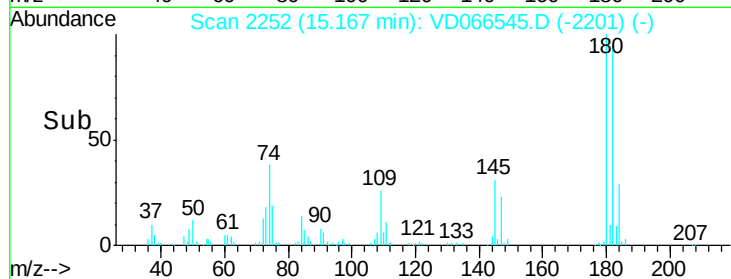
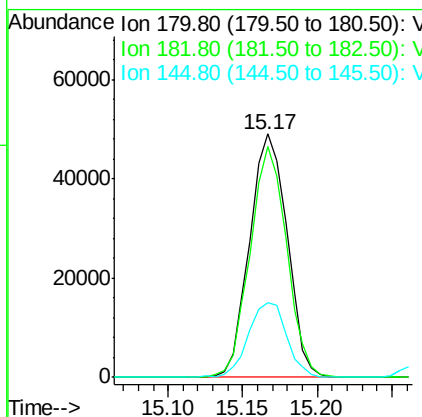
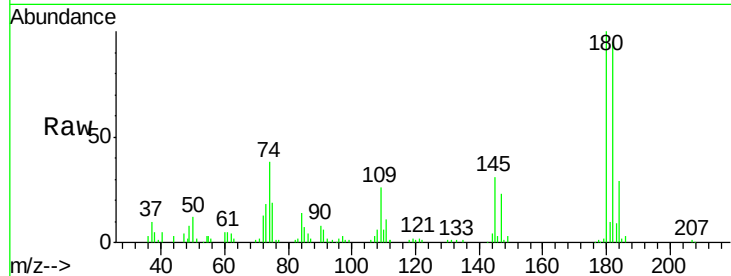
#93
 1,2,4-Trichlorobenzene
 Concen: 20.097 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066545.D
 Acq: 03 Sep 2020 20:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0903SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.8	48.4	145.0
145	31.4	16.7	50.0

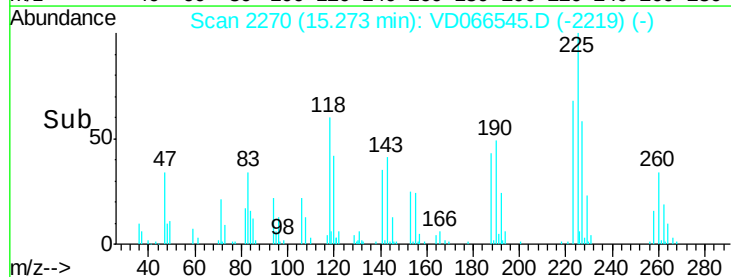
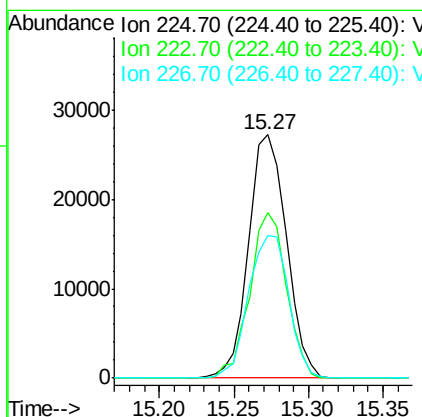
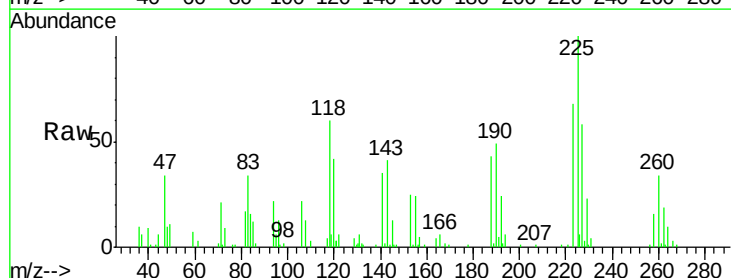
Manual Integrations
 APPROVED

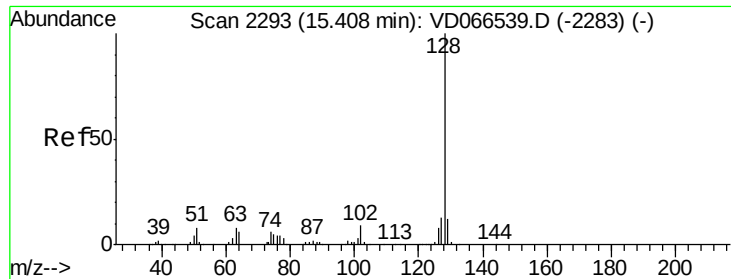
MMDadoda
 9/4/2020 4:55:05 PM



#94
 Hexachlorobutadiene
 Concen: 18.784 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066545.D
 Acq: 03 Sep 2020 20:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.6	30.5	91.5
227	61.8	32.4	97.2





#95

Naphthalene

Concen: 20.561 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD066545.D

Acq: 03 Sep 2020 20:28

Instrument :

MSVOA_D

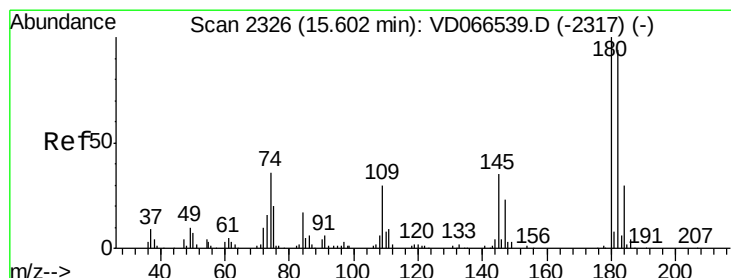
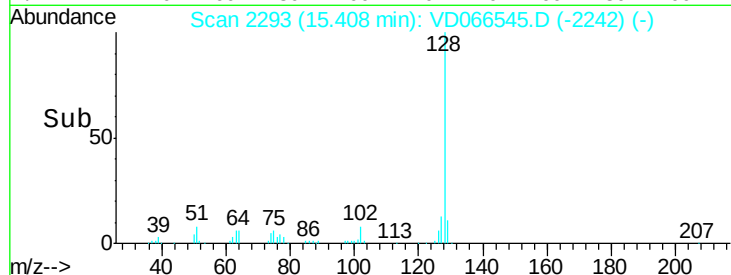
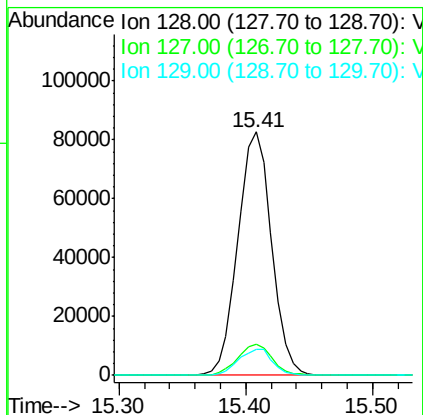
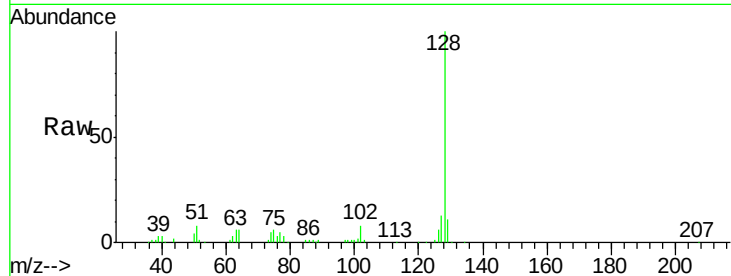
ClientSampleId :

VD0903SBSD01

Tot Ion:	128	Resp:	152510
Ion Ratio		Lower	Upper
128	100		
127	13.1	10.7	16.1
129	11.0	9.1	13.7

Manual Integrations
APPROVED

MMDadoda
9/4/2020 4:55:05 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.692 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD066545.D

Acq: 03 Sep 2020 20:28

Tgt Ion:	180	Resp:	74881
Ion Ratio		Lower	Upper
180	100		
182	93.4	47.9	143.6
145	34.7	17.3	51.7

