

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091120\
 Data File : VD066645.D
 Acq On : 11 Sep 2020 13:44
 Operator : VA/SY
 Sample : VD0911SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0911SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/14/2020 12:06:40 PM

Quant Time: Sep 12 00:50:41 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	345828	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	582269	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	523020	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	248592	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	229099	54.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.50%	
35) Dibromofluoromethane	7.91	113	214848	54.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.40%	
50) Toluene-d8	10.34	98	790864	56.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.66%	
62) 4-Bromofluorobenzene	12.63	95	260748	56.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	72784	23.389	ug/l	88
3) Chloromethane	2.21	50	92300	21.104	ug/l	99
4) Vinyl Chloride	2.35	62	99320	20.475	ug/l	95
5) Bromomethane	2.76	94	66800	18.958	ug/l	93
6) Chloroethane	2.92	64	60757	19.720	ug/l	96
7) Trichlorofluoromethane	3.27	101	153376	21.404	ug/l	99
8) Diethyl Ether	3.70	74	39935	22.131	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	79994	20.626	ug/l	99
10) Methyl Iodide	4.30	142	72049	22.752	ug/l	98
11) Tert butyl alcohol	5.21	59	40520	133.697	ug/l #	83
12) 1,1-Dichloroethene	4.07	96	76309	21.901	ug/l	80
13) Acrolein	3.92	56	13439	78.552	ug/l	85
14) Allyl chloride	4.71	41	121661	21.306	ug/l	99
15) Acrylonitrile	5.43	53	85851	110.754	ug/l	98
16) Acetone	4.16	43	88938	115.522	ug/l	100
17) Carbon Disulfide	4.40	76	249107	21.748	ug/l	97
18) Methyl Acetate	4.71	43	41202	22.450	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	174911	21.407	ug/l	98
20) Methylene Chloride	4.96	84	109267	22.388	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	88531	21.397	ug/l	96
22) Diisopropyl ether	6.36	45	259443	22.094	ug/l	97
23) Vinyl Acetate	6.30	43	702539	105.133	ug/l	98
24) 1,1-Dichloroethane	6.26	63	165109	22.359	ug/l	98
25) 2-Butanone	7.21	43	111989	108.361	ug/l	92
26) 2,2-Dichloropropane	7.20	77	146520	21.631	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	92498	20.789	ug/l	93
28) Bromochloromethane	7.54	49	56667	19.932	ug/l	96
29) Tetrahydrofuran	7.56	42	67159	104.342	ug/l	99
30) Chloroform	7.71	83	168934	21.624	ug/l	100
31) Cyclohexane	7.98	56	140363	20.563	ug/l	91
32) 1,1,1-Trichloroethane	7.90	97	155829	21.216	ug/l	98
36) 1,1-Dichloropropene	8.11	75	129805	21.421	ug/l	99
37) Ethyl Acetate	7.28	43	44378	18.392	ug/l	95
38) Carbon Tetrachloride	8.09	117	138360	21.602	ug/l	93

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	136682	20.200	ug/l	98
40) Benzene	8.35	78	357760	21.557	ug/l	99
41) Methacrylonitrile	7.53	41	26672m	22.836	ug/l	
42) 1,2-Dichloroethane	8.42	62	111123	20.666	ug/l	98
43) Isopropyl Acetate	8.45	43	94533	20.444	ug/l	97
44) Trichloroethene	9.11	130	92259	21.193	ug/l	90
45) 1,2-Dichloropropane	9.38	63	90599	21.708	ug/l	95
46) Dibromomethane	9.47	93	49170	21.354	ug/l	96
47) Bromodichloromethane	9.66	83	129548	20.795	ug/l	97
48) Methyl methacrylate	9.45	41	50176	21.459	ug/l	95
49) 1,4-Dioxane	9.46	88	10455	413.870	ug/l #	94
51) 4-Methyl-2-Pentanone	10.23	43	248320	106.480	ug/l	98
52) Toluene	10.40	92	229081	21.806	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	117336	21.336	ug/l	88
54) cis-1,3-Dichloropropene	10.08	75	137324	20.793	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	64249	21.701	ug/l	94
56) Ethyl methacrylate	10.66	69	71438	20.724	ug/l	96
57) 1,3-Dichloropropane	10.94	76	111913	21.581	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	194303	123.234	ug/l	100
59) 2-Hexanone	10.98	43	169545	108.109	ug/l	98
60) Dibromochloromethane	11.14	129	85991	21.965	ug/l	96
61) 1,2-Dibromoethane	11.24	107	59609	20.695	ug/l	97
64) Tetrachloroethene	10.87	164	74791	21.238	ug/l	98
65) Chlorobenzene	11.67	112	231585	21.454	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	87297	21.189	ug/l	99
67) Ethyl Benzene	11.74	91	413440	20.859	ug/l	98
68) m/p-Xylenes	11.85	106	322342	43.798	ug/l	98
69) o-Xylene	12.18	106	140969	21.373	ug/l	98
70) Styrene	12.20	104	247593	21.592	ug/l	99
71) Bromoform	12.36	173	43975	21.180	ug/l #	99
73) Isopropylbenzene	12.48	105	387997	21.081	ug/l	100
74) N-amyl acetate	12.29	43	82269	19.735	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	70184	21.584	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	54563m	22.822	ug/l	
77) Bromobenzene	12.76	156	88763	21.632	ug/l	98
78) n-propylbenzene	12.82	91	481896	21.598	ug/l	99
79) 2-Chlorotoluene	12.91	91	267474	21.369	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	331615	21.406	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	21592	21.085	ug/l	98
82) 4-Chlorotoluene	13.00	91	288589	21.560	ug/l	99
83) tert-Butylbenzene	13.23	119	272307	21.526	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	335864	21.776	ug/l	97
85) sec-Butylbenzene	13.40	105	388952	21.341	ug/l	100
86) p-Isopropyltoluene	13.52	119	353650	21.558	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	171374	21.037	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	174701	21.367	ug/l	97
89) n-Butylbenzene	13.84	91	330490	20.674	ug/l	99
90) Hexachloroethane	14.11	117	73594	20.821	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	149629	21.014	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11252	20.371	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	87474	20.470	ug/l	98
94) Hexachlorobutadiene	15.27	225	50770	19.776	ug/l	97
95) Naphthalene	15.41	128	155064	20.766	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	78445	21.532	ug/l	98

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

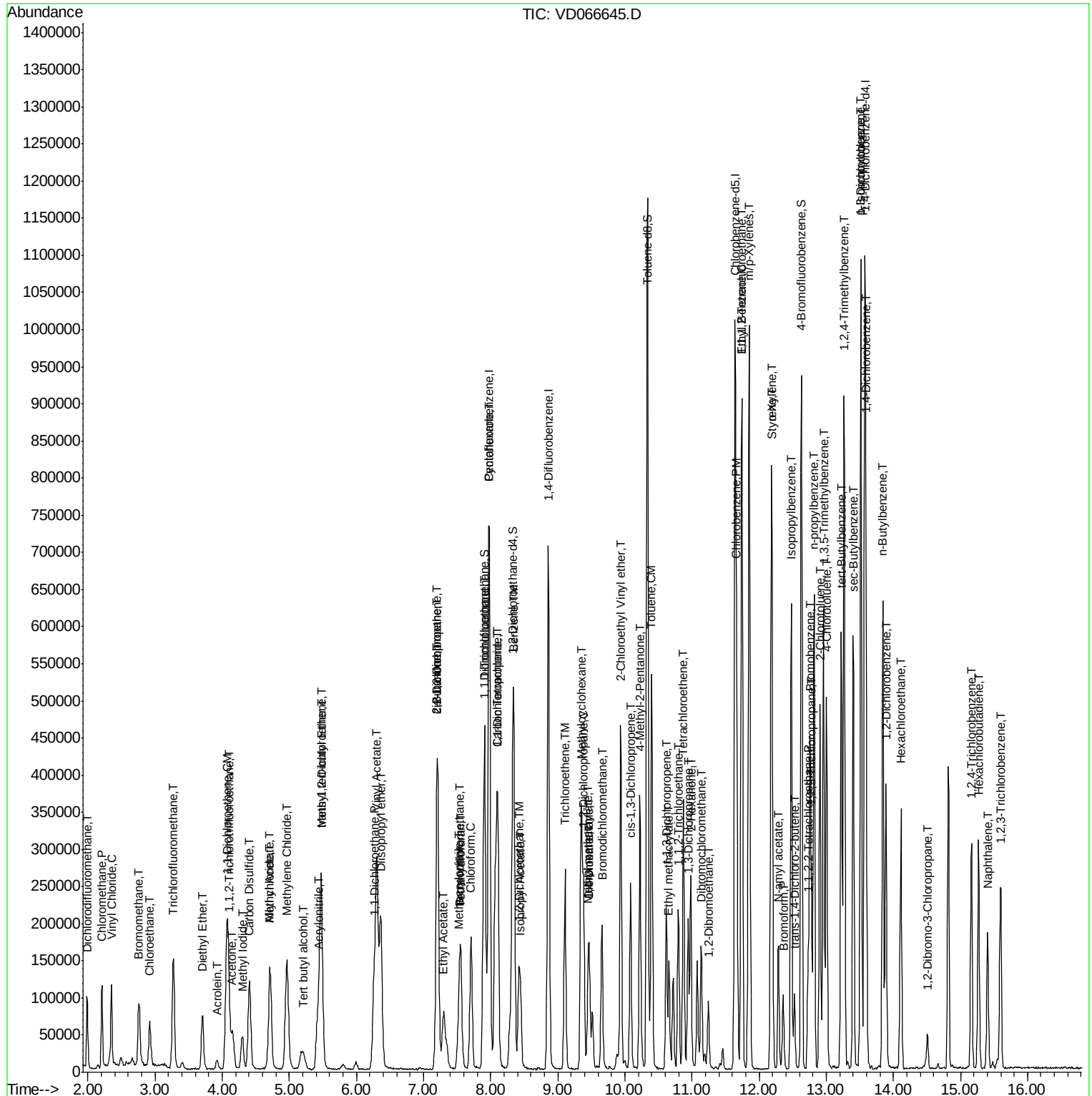
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091120\
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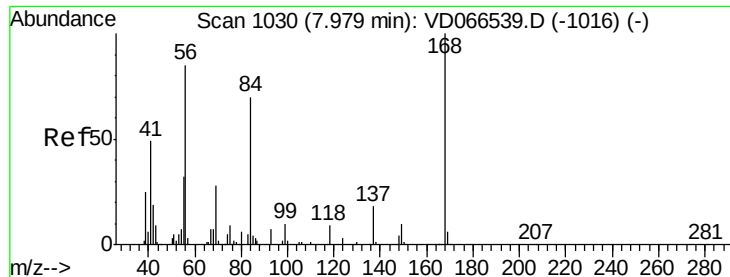
Instrument :
MSVOA_D
ClientSampleId :
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066645.D

Acq: 11 Sep 2020 13:44

Instrument :

MSVOA_D

ClientSampleId :

VD0911SBSD01

Tot Ion:168 Resp: 345828

Ion Ratio Lower Upper

168 100

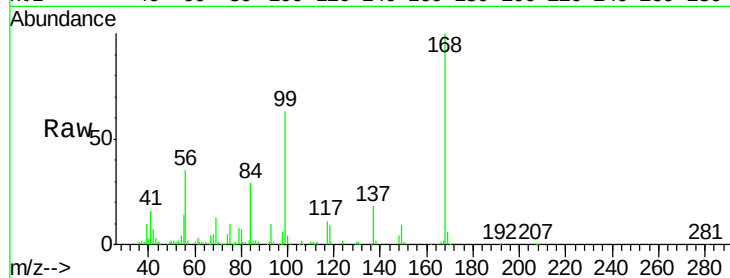
99 62.1 50.5 75.7

Manual Integrations

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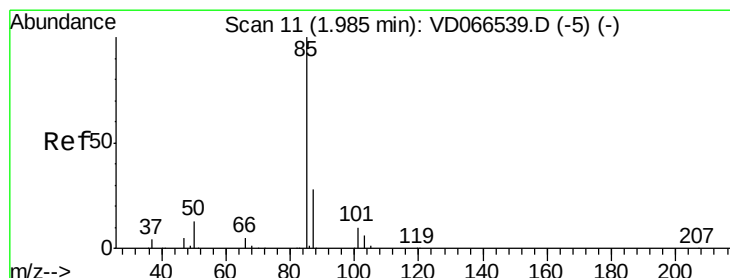
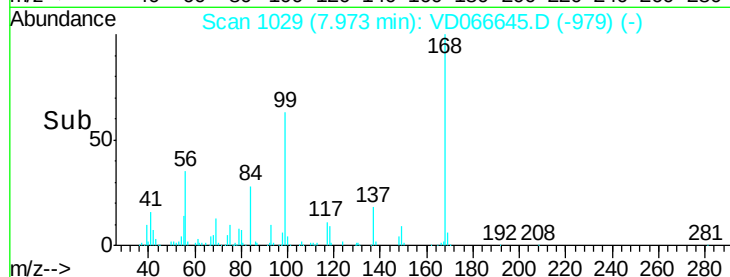
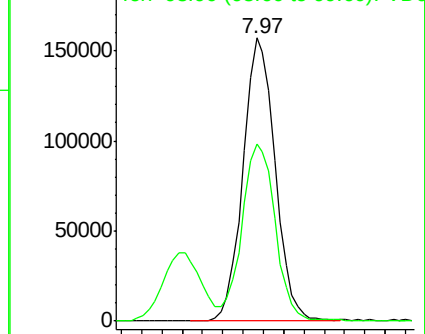
MMDadoda

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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: 23.389 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066645.D

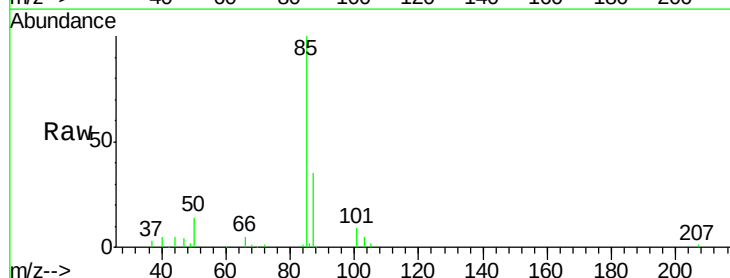
Acq: 11 Sep 2020 13:44

Tgt Ion: 85 Resp: 72784

Ion Ratio Lower Upper

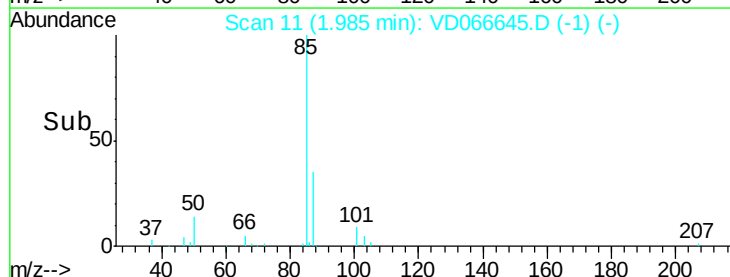
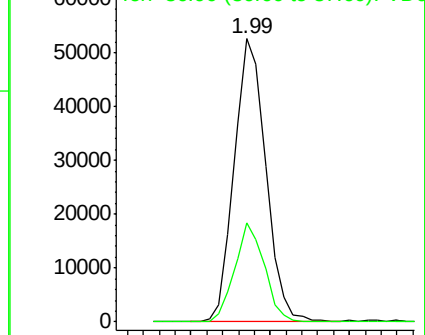
85 100

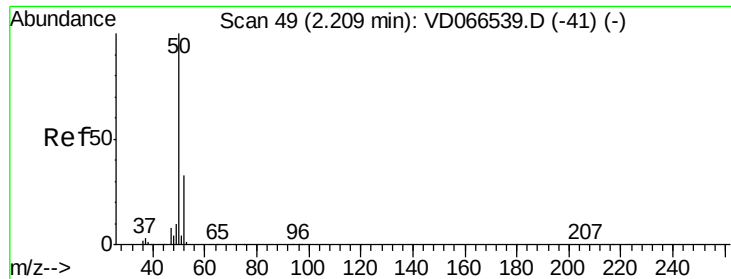
87 34.9 14.2 42.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.104 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066645.D

Acq: 11 Sep 2020 13:44

Instrument :

MSVOA_D

ClientSampleId :

VD0911SBS01

Tot Ion: 50 Resp: 92300

Ion Ratio Lower Upper

50 100

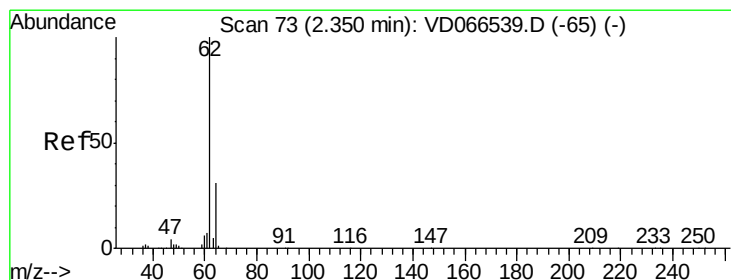
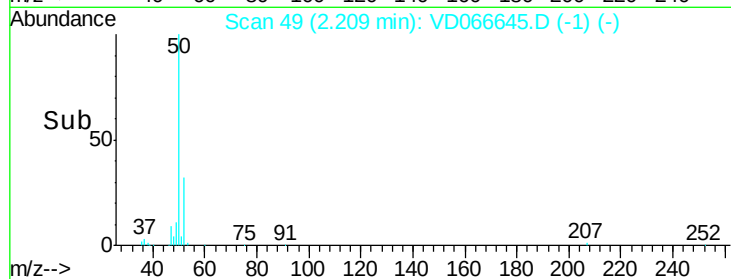
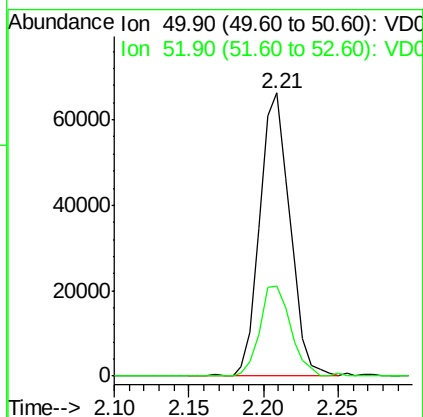
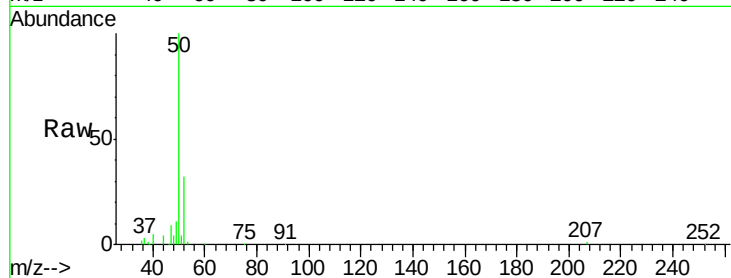
52 32.0 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.475 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066645.D

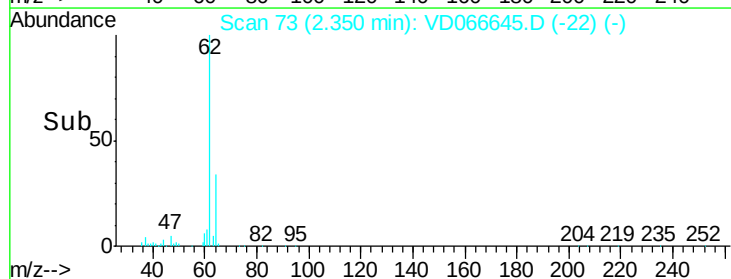
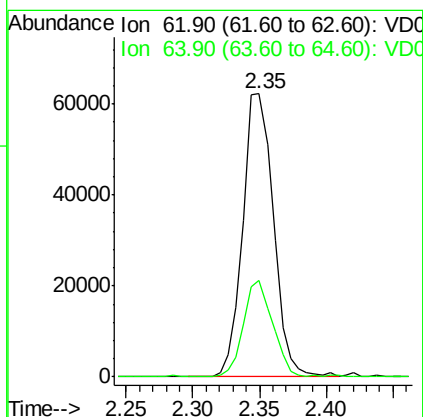
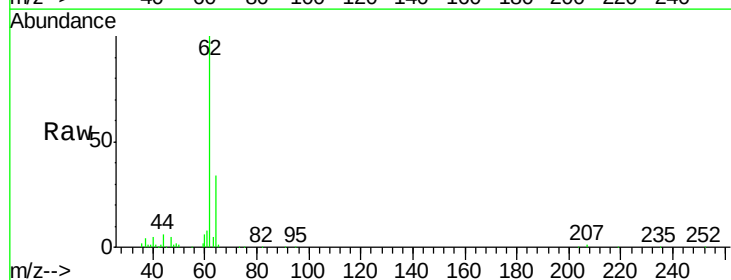
Acq: 11 Sep 2020 13:44

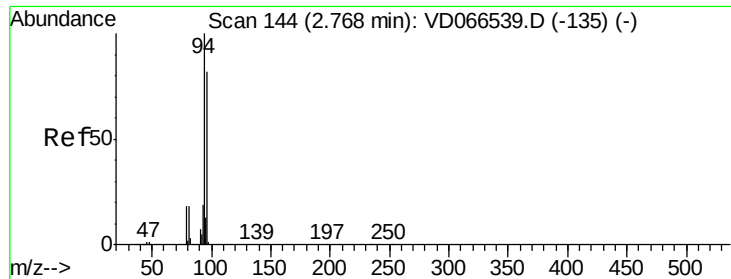
Tgt Ion: 62 Resp: 99320

Ion Ratio Lower Upper

62 100

64 34.3 25.3 37.9





#5

Bromomethane

Concen: 18.958 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD066645.D

Acq: 11 Sep 2020 13:44

Instrument :

MSVOA_D

ClientSampleId :

VD0911SBS01

Tot Ion: 94 Resp: 66800

Ion Ratio Lower Upper

94 100

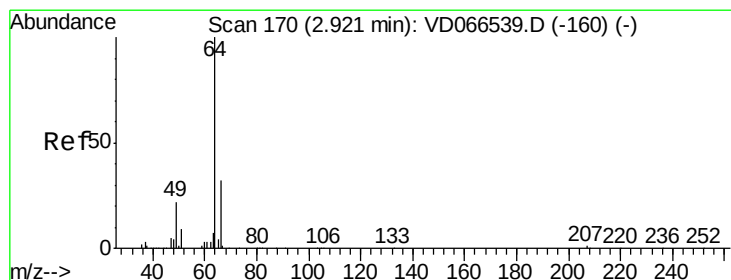
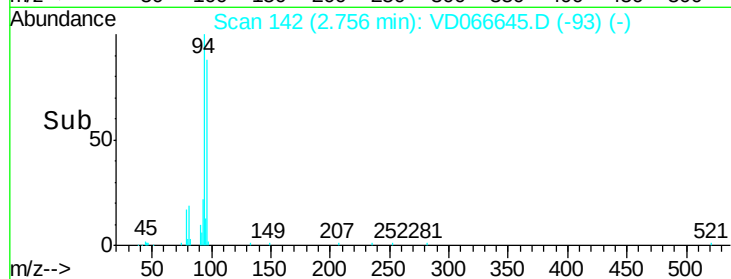
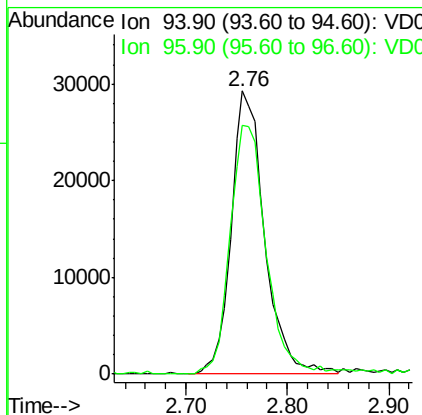
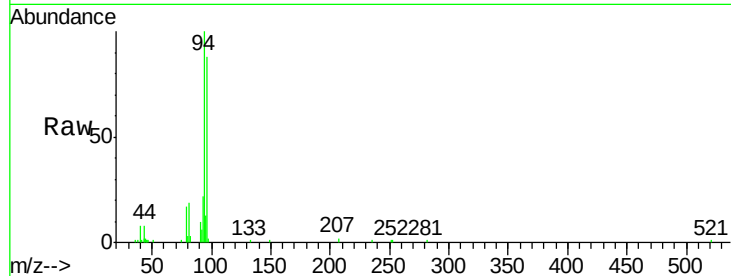
96 88.1 65.2 97.8

Manual Integrations

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#6

Chloroethane

Concen: 19.720 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066645.D

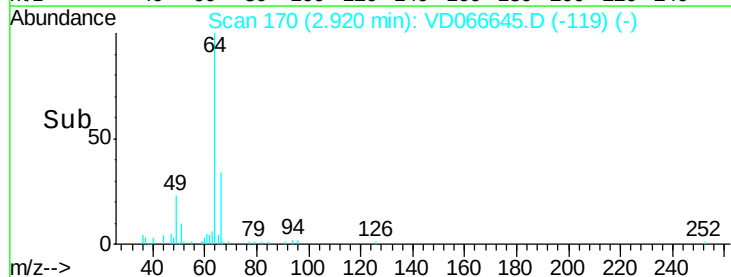
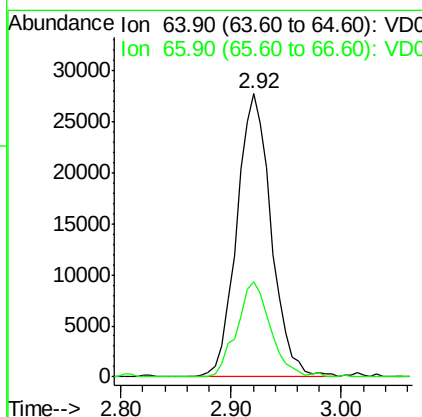
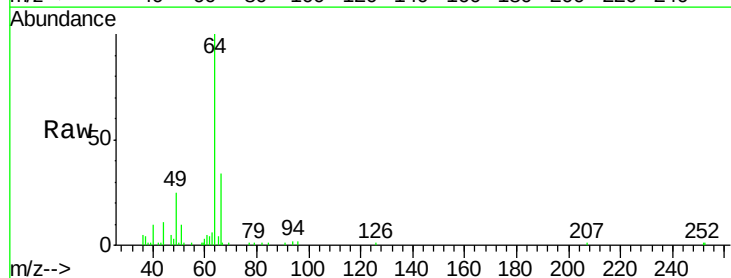
Acq: 11 Sep 2020 13:44

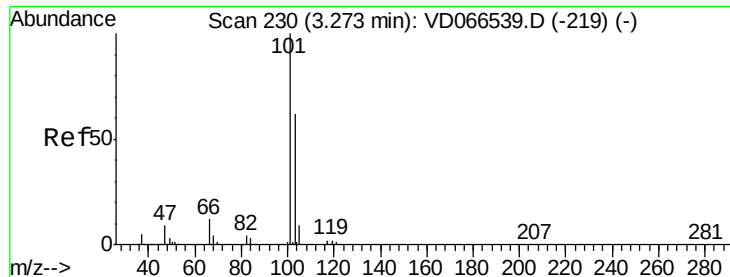
Tgt Ion: 64 Resp: 60757

Ion Ratio Lower Upper

64 100

66 33.7 25.4 38.0





#7

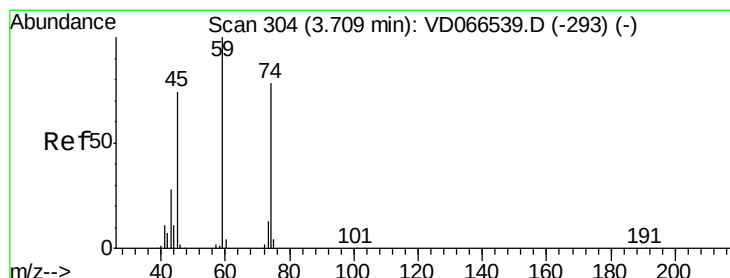
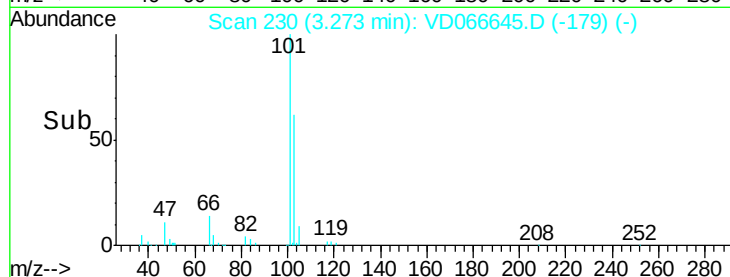
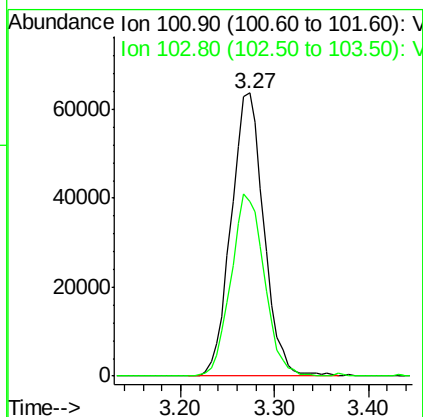
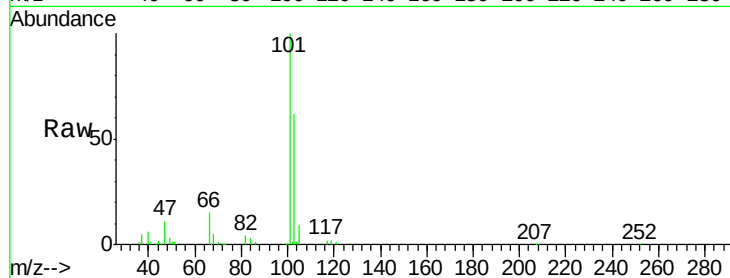
Trichlorofluoromethane
 Concen: 21.404 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD066645.D
 Acq: 11 Sep 2020 13:44

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	153376		
103	61.4	49.7	74.5	

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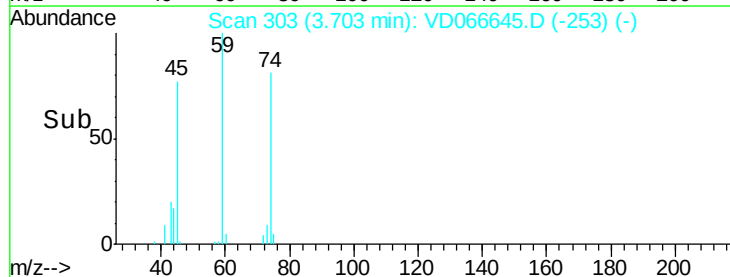
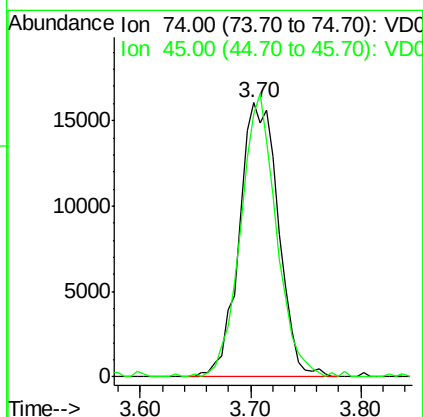
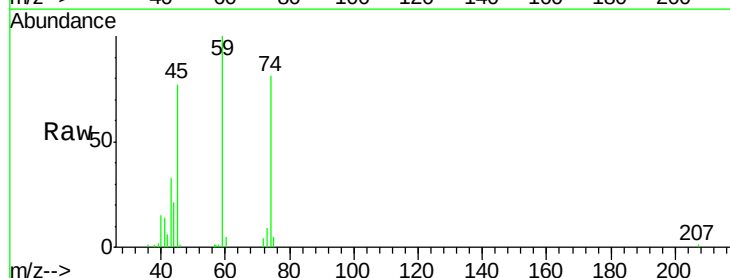
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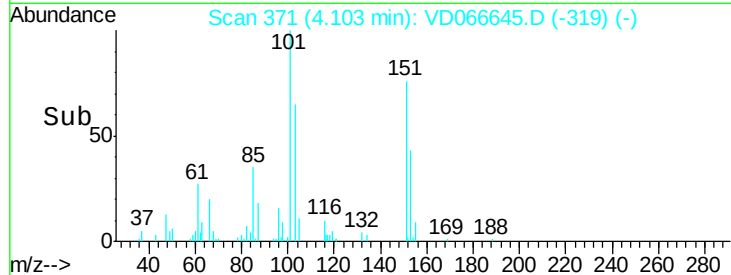
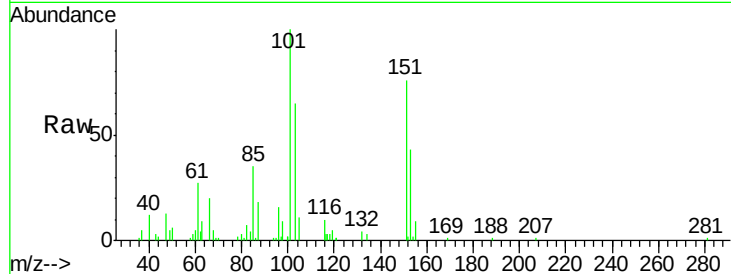
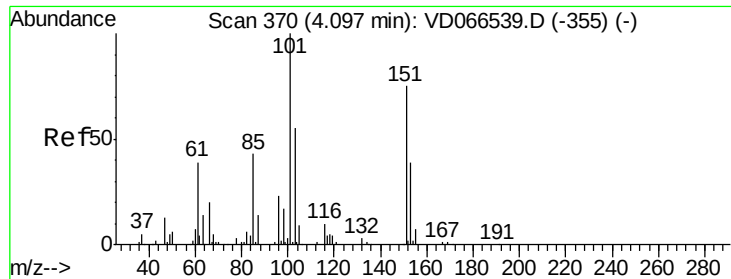


#8

Diethyl Ether
 Concen: 22.131 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD066645.D
 Acq: 11 Sep 2020 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	39935		
45	94.0	49.7	149.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.626 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD066645.D

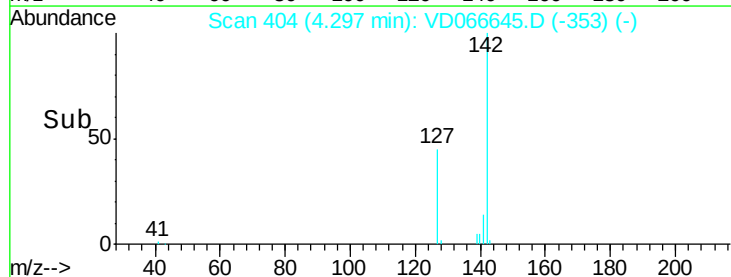
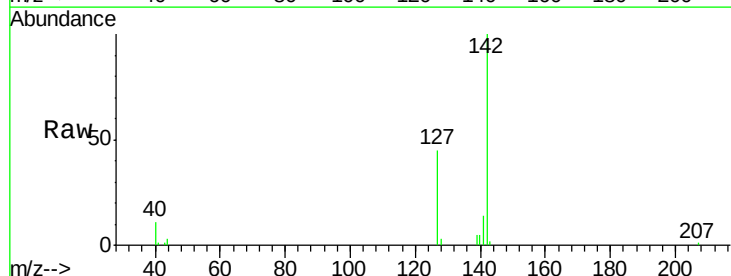
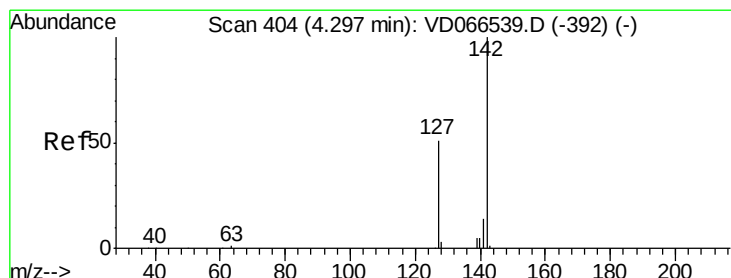
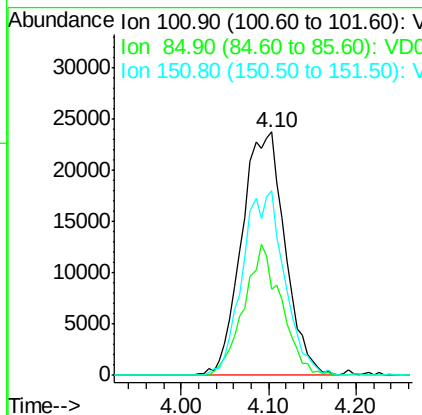
Acq: 11 Sep 2020 13:44

Tot Ion:	101	Resp:	79994
Ion Ratio	Lower	Upper	
101	100		
85	46.5	37.0	55.6
151	73.2	59.4	89.2

Instrument :
MSVOA_D
ClientSampleId :
VD0911SBS01

Manual Integrations
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#10

Methyl Iodide

Concen: 22.752 ug/l

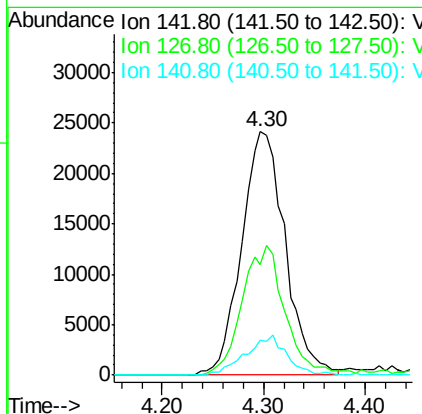
RT: 4.30 min Scan# 404

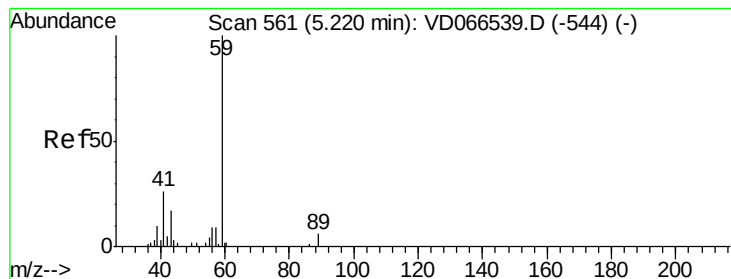
Delta R.T. 0.00 min

Lab File: VD066645.D

Acq: 11 Sep 2020 13:44

Tgt Ion:	142	Resp:	72049
Ion Ratio	Lower	Upper	
142	100		
127	52.3	40.6	61.0
141	15.2	12.2	18.4





#11

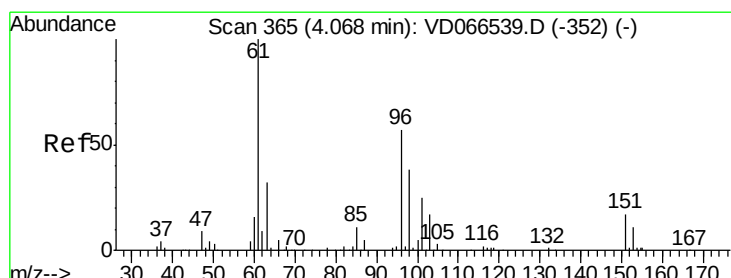
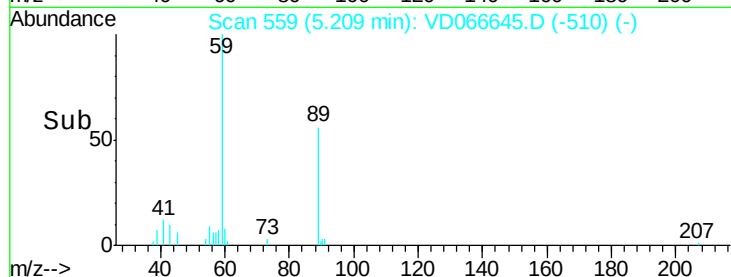
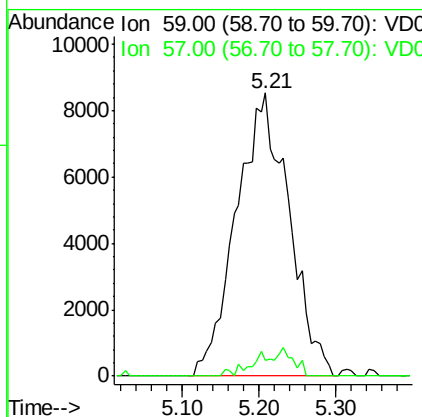
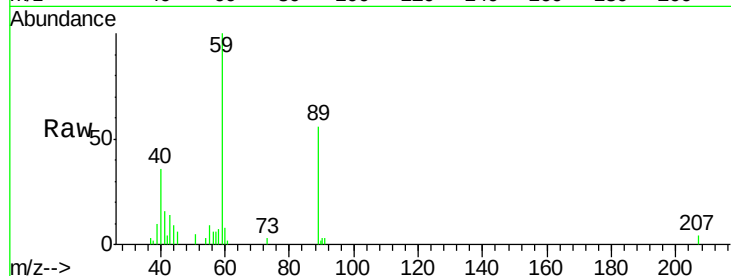
Tert butyl alcohol
 Concen: 133.697 ug/l
 RT: 5.21 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD066645.D
 Acq: 11 Sep 2020 13:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0911SBS01

Tot Ion	59	Resp	40520
Ion Ratio	100	Lower	Upper
57	3.3	7.6	11.4#

Manual Integrations
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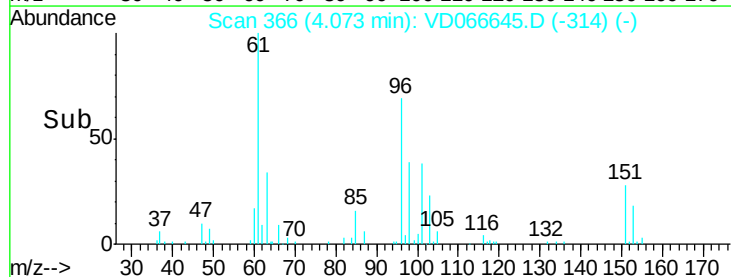
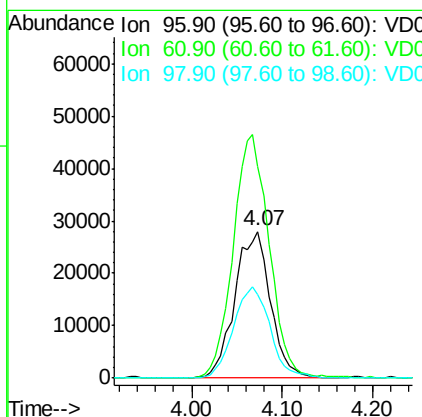
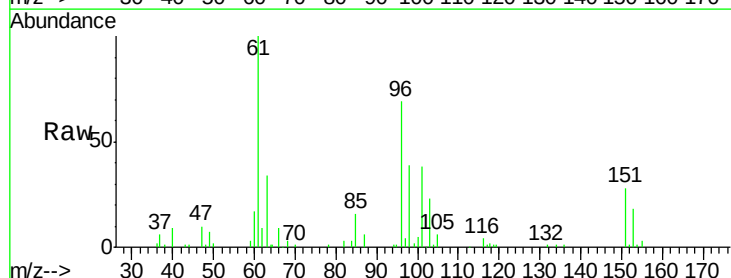
MMDadoda
 9/14/2020 12:06:40 PM

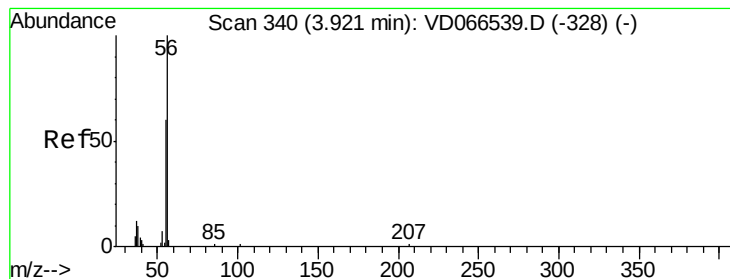


#12

1,1-Dichloroethene
 Concen: 21.901 ug/l
 RT: 4.07 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VD066645.D
 Acq: 11 Sep 2020 13:44

Tgt Ion	96	Resp	76309
Ion Ratio	100	Lower	Upper
61	144.6	140.9	211.3
98	56.6	53.2	79.8





#13

Acrolein

Concen: 78.552 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD066645.D

Acq: 11 Sep 2020 13:44

Instrument :

MSVOA_D

ClientSampleId :

VD0911SBS01

Tot Ion: 56 Resp: 13439

Ion Ratio Lower Upper

56 100

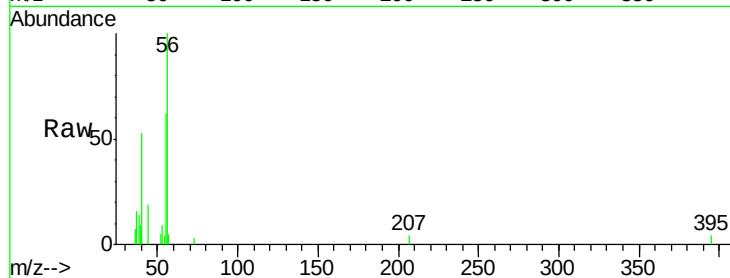
55 78.9 53.6 80.4

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

6000

5000

4000

3000

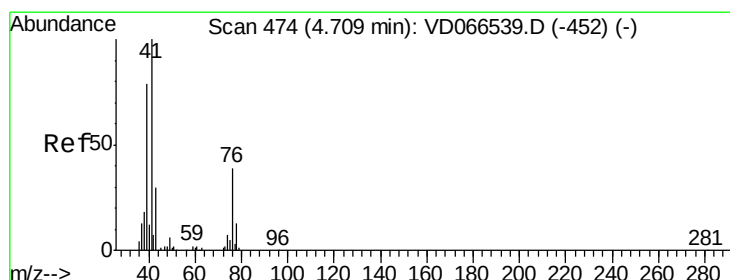
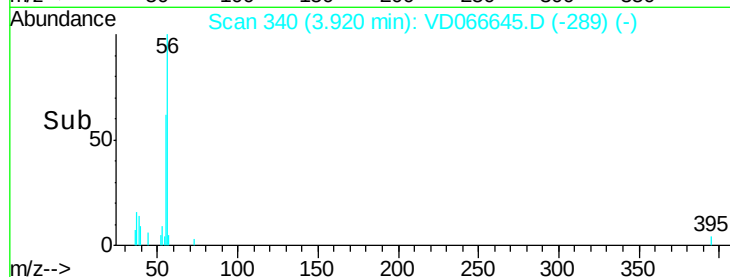
2000

1000

0

Time--> 3.80 3.85 3.90 3.95 4.00

3.92



#14

Allyl chloride

Concen: 21.306 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066645.D

Acq: 11 Sep 2020 13:44

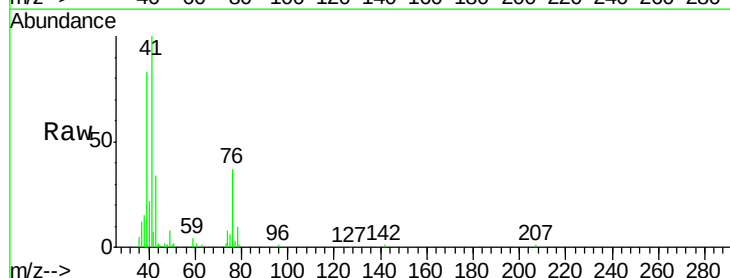
Tgt Ion: 41 Resp: 121661

Ion Ratio Lower Upper

41 100

39 77.1 61.9 92.9

76 37.4 29.0 43.6



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

50000

40000

30000

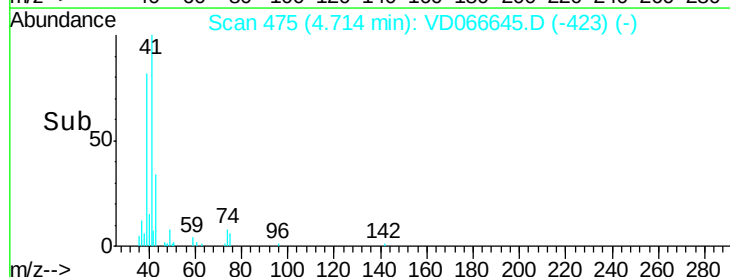
20000

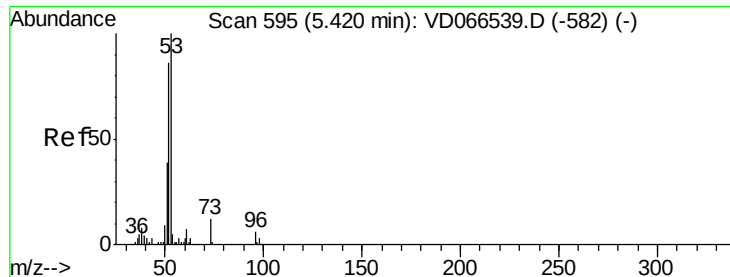
10000

0

Time--> 4.50 4.60 4.70 4.80 4.90

4.71





#15

Acrylonitrile

Concen: 110.754 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD066645.D

Acq: 11 Sep 2020 13:44

Instrument :

MSVOA_D

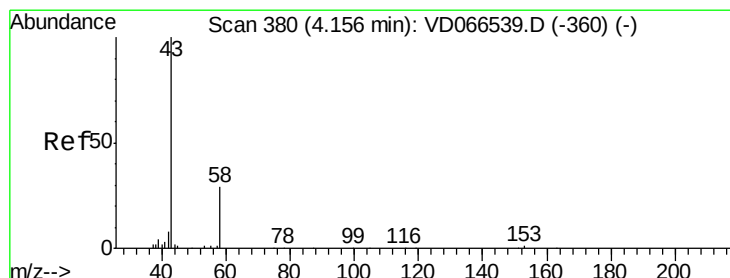
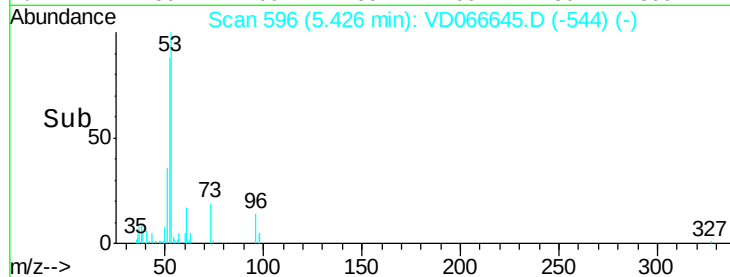
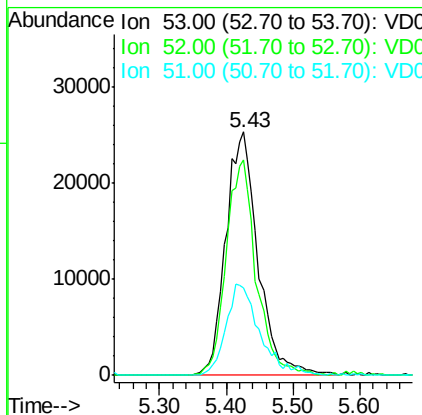
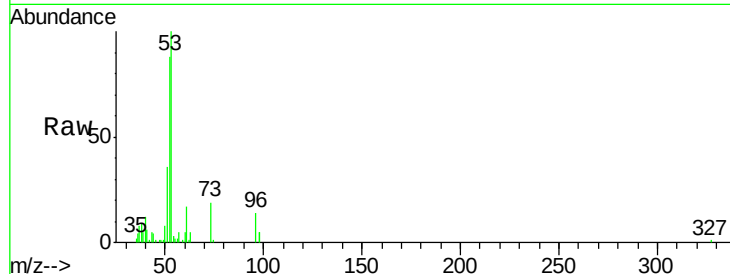
ClientSampleId :

VD0911SBS01

Tot Ion:	53	Resp:	85851
Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.4	98.2
51	37.0	31.2	46.8

Manual Integrations
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#16

Acetone

Concen: 115.522 ug/l

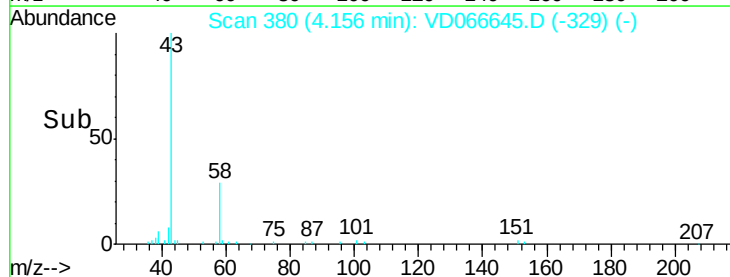
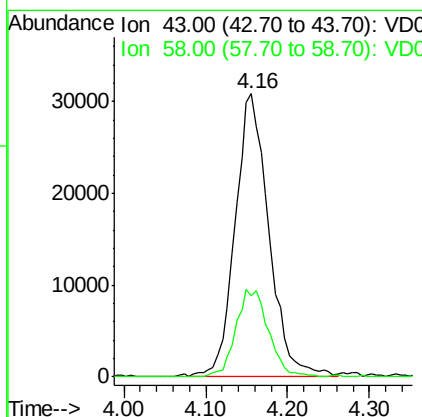
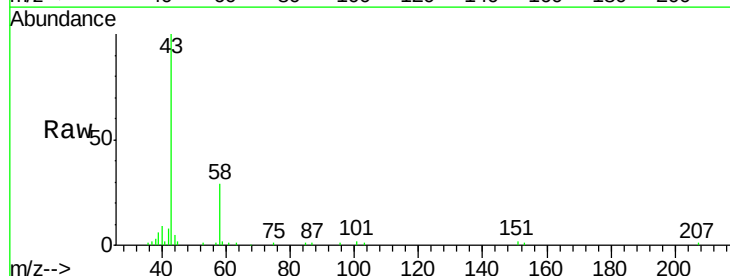
RT: 4.16 min Scan# 380

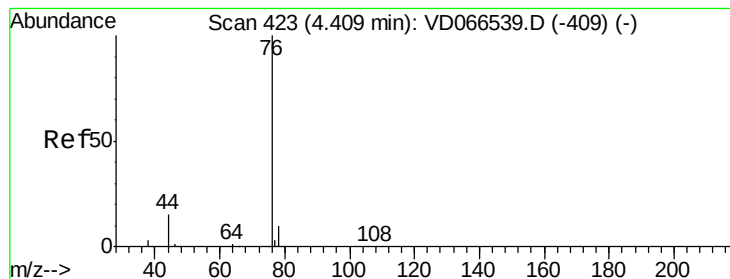
Delta R.T. -0.00 min

Lab File: VD066645.D

Acq: 11 Sep 2020 13:44

Tgt Ion:	43	Resp:	88938
Ion	Ratio	Lower	Upper
43	100		
58	28.9	22.9	34.3





#17

Carbon Disulfide

Concen: 21.748 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD066645.D

Acq: 11 Sep 2020 13:44

Instrument :

MSVOA_D

ClientSampleId :

VD0911SBS01

Tot Ion: 76 Resp: 249107

Ion Ratio Lower Upper

76 100

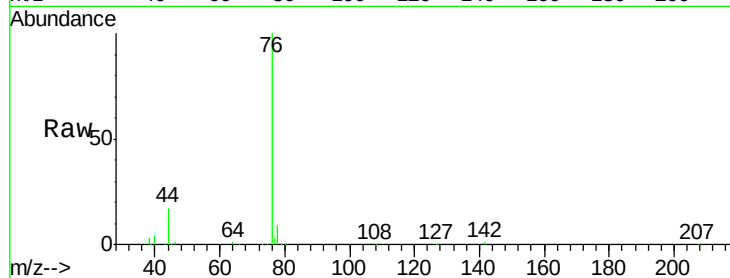
78 8.6 7.6 11.4

Manual Integrations

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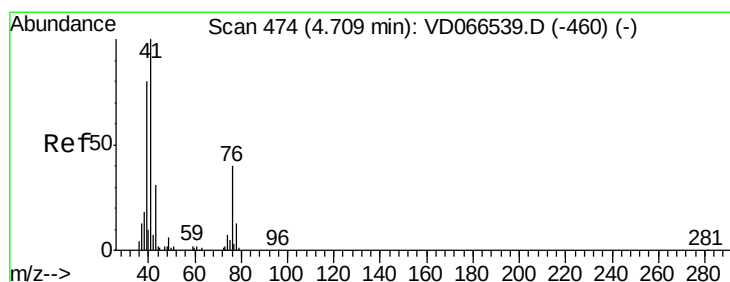
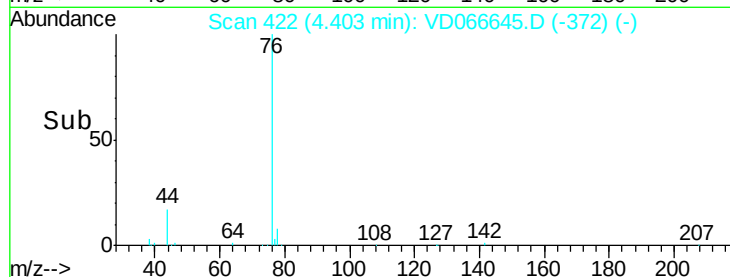
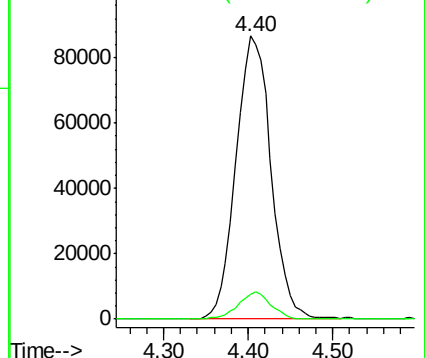
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 22.450 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD066645.D

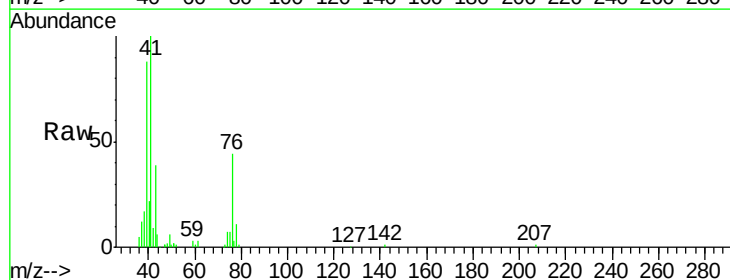
Acq: 11 Sep 2020 13:44

Tgt Ion: 43 Resp: 41202

Ion Ratio Lower Upper

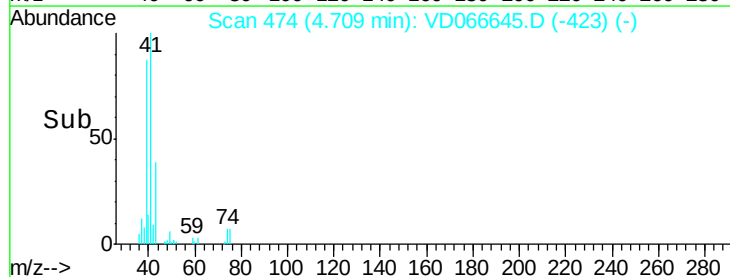
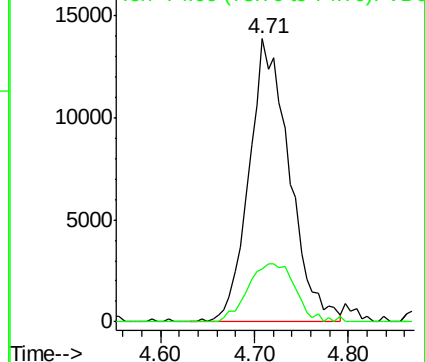
43 100

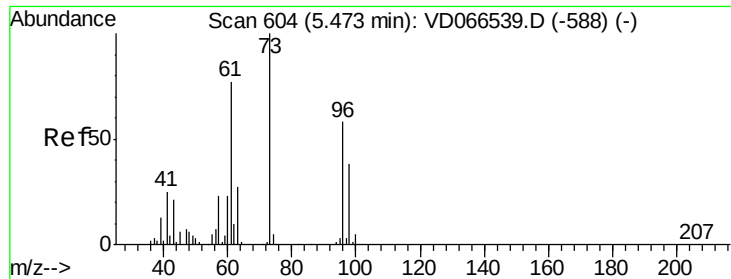
74 24.1 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





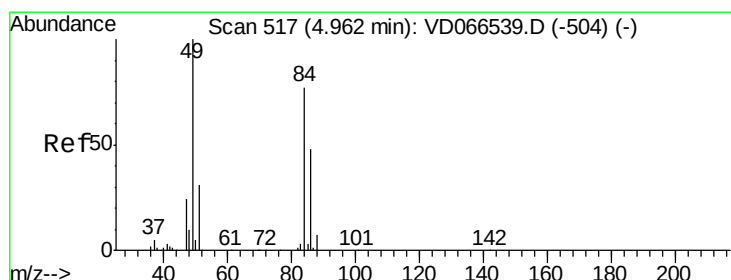
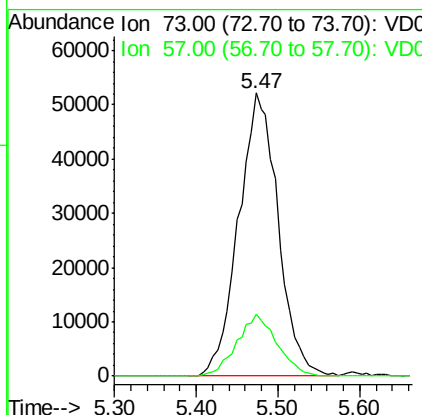
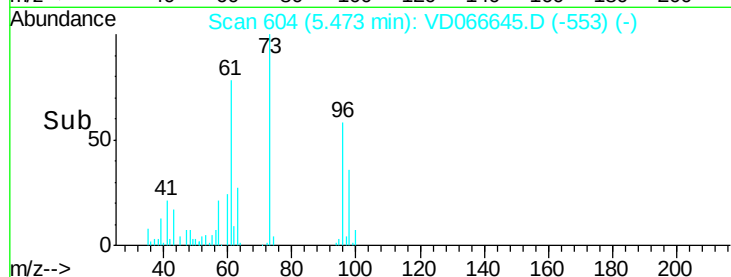
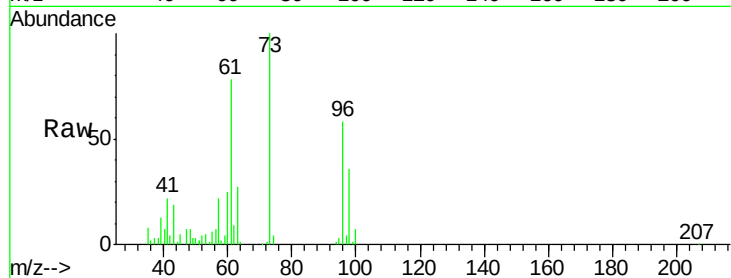
#19
Methyl tert-butyl Ether
Concen: 21.407 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.00 min
Lab File: VD066645.D
Acq: 11 Sep 2020 13:44

Instrument :
MSVOA_D
ClientSampleId :
VD0911SBS01

Tot Ion: 73 Resp: 174911
Ion Ratio Lower Upper
73 100
57 21.7 18.3 27.5

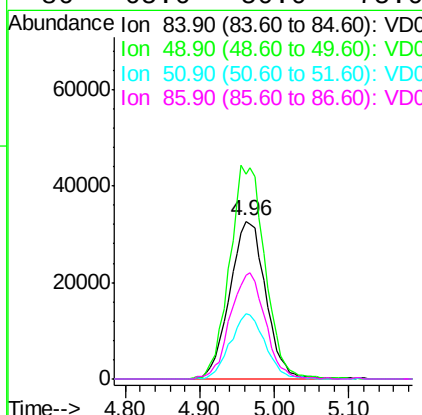
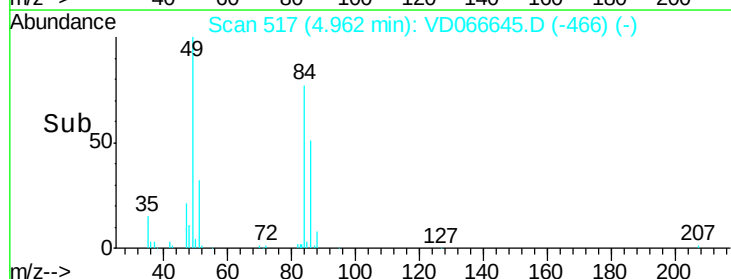
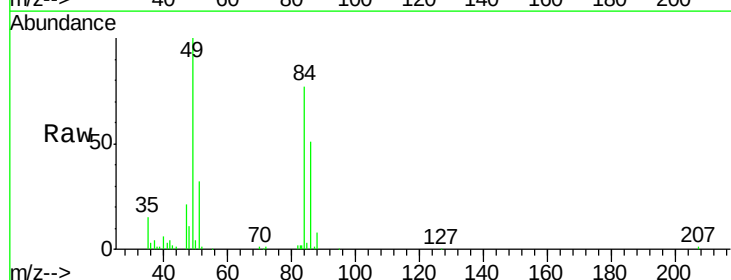
Manual Integrations
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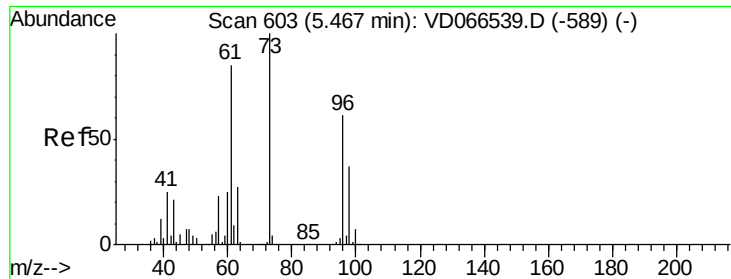
MMDadoda
9/14/2020 12:06:40 PM



#20
Methylene Chloride
Concen: 22.388 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD066645.D
Acq: 11 Sep 2020 13:44

Tgt Ion: 84 Resp: 109267
Ion Ratio Lower Upper
84 100
49 129.9 104.3 156.5
51 41.4 32.2 48.4
86 65.6 50.0 75.0





#21

trans-1,2-Dichloroethene

Concen: 21.397 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD066645.D

Acq: 11 Sep 2020 13:44

Instrument :

MSVOA_D

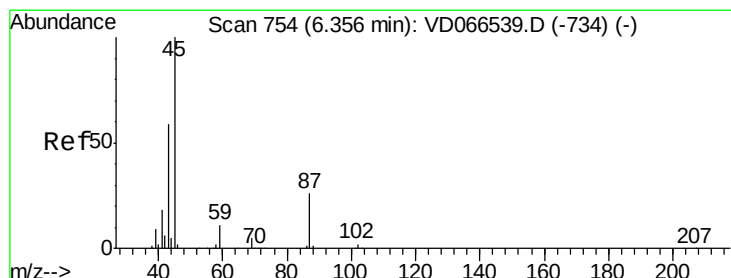
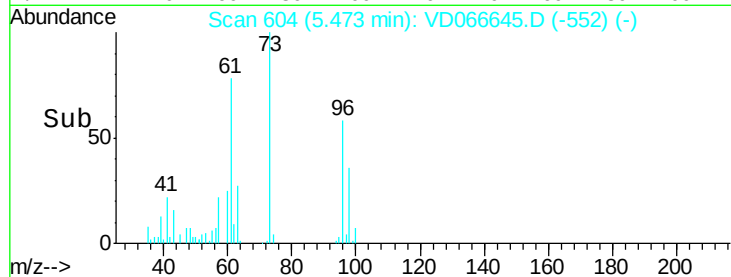
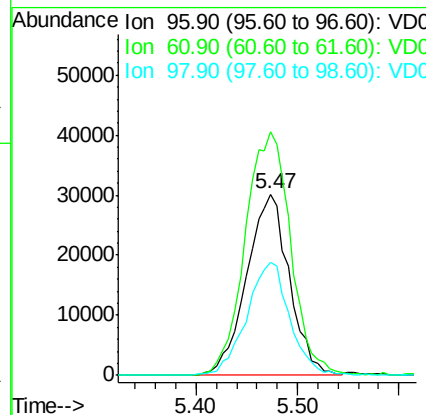
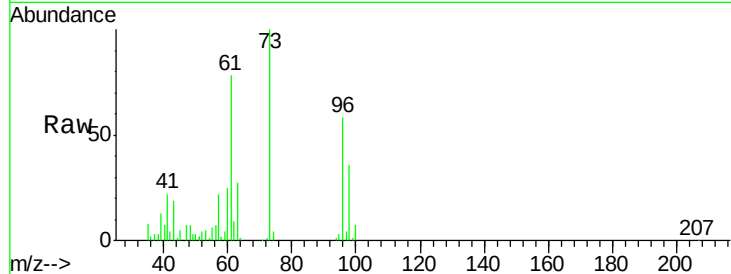
ClientSampleId :

VD0911SBS01

Tot Ion:	96	Resp:	88531
Ion	Ratio	Lower	Upper
96	100		
61	134.4	112.1	168.1
98	62.3	48.6	72.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 22.094 ug/l

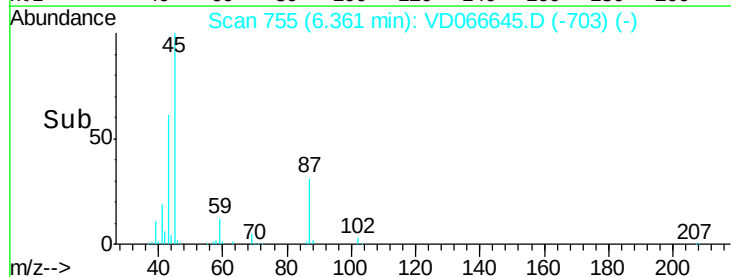
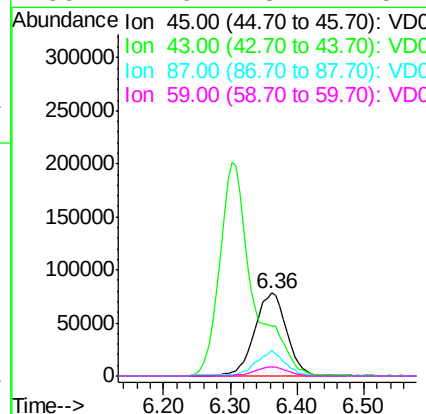
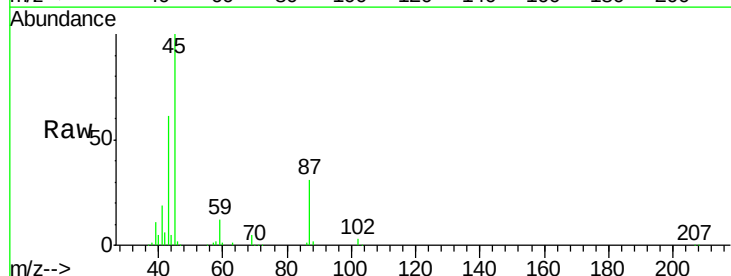
RT: 6.36 min Scan# 755

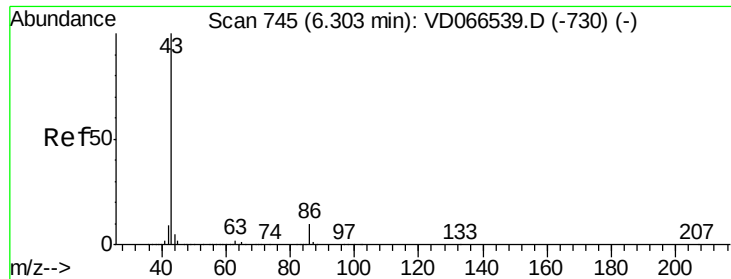
Delta R.T. 0.01 min

Lab File: VD066645.D

Acq: 11 Sep 2020 13:44

Tgt Ion:	45	Resp:	259443
Ion	Ratio	Lower	Upper
45	100		
43	59.7	47.0	70.4
87	31.2	21.3	31.9
59	11.6	8.7	13.1





#23

Vinyl Acetate

Concen: 105.133 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD066645.D

Acq: 11 Sep 2020 13:44

Instrument :

MSVOA_D

ClientSampleId :

VD0911SBSD01

Tot Ion: 43 Resp: 702539

Ion Ratio Lower Upper

43 100

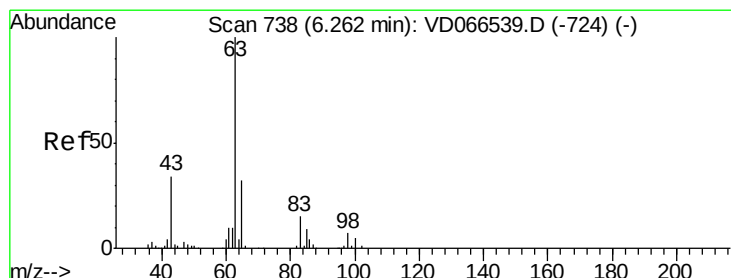
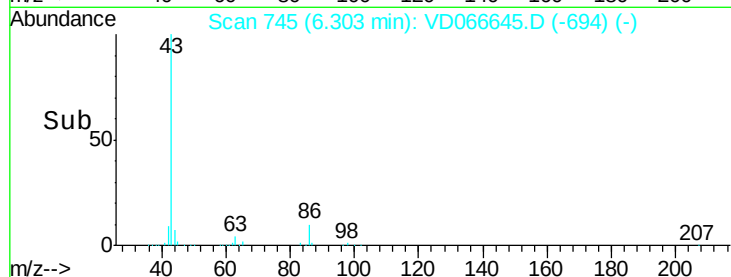
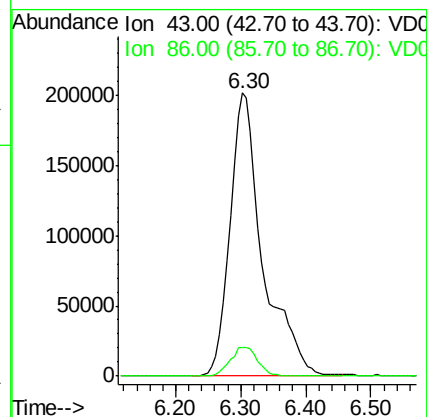
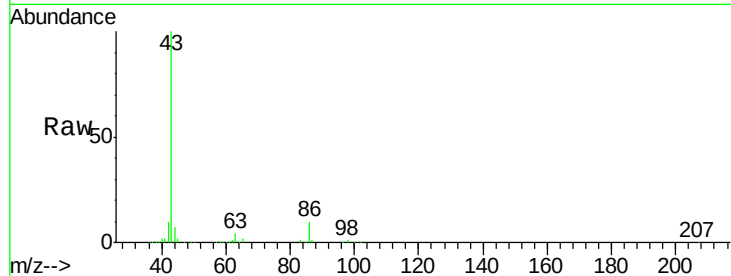
86 10.2 7.7 11.5

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 22.359 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD066645.D

Acq: 11 Sep 2020 13:44

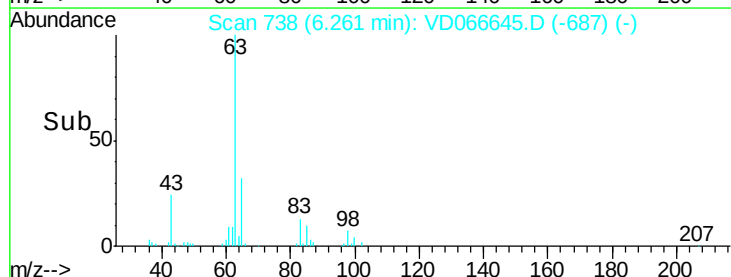
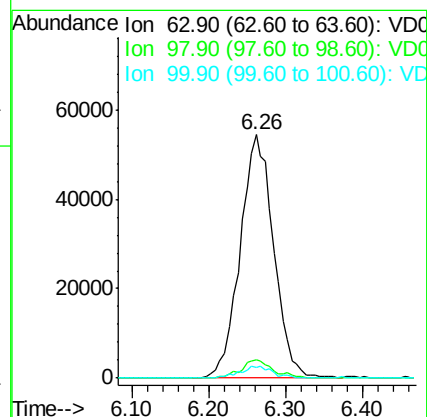
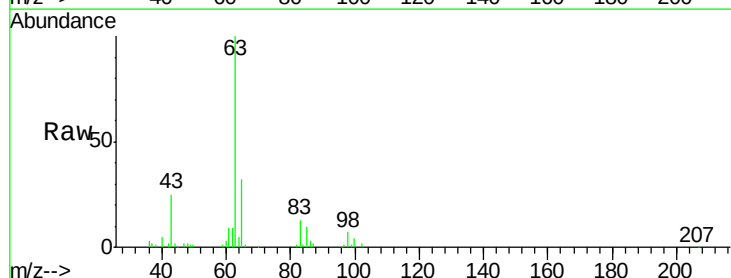
Tgt Ion: 63 Resp: 165109

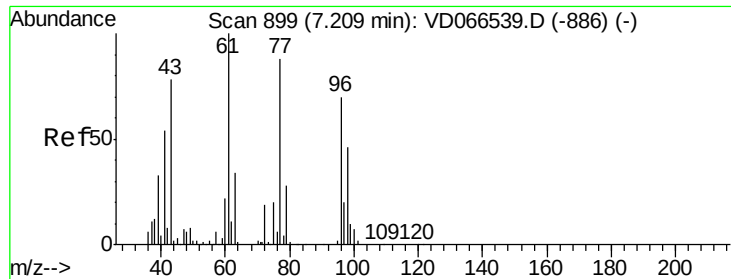
Ion Ratio Lower Upper

63 100

98 7.5 3.4 10.1

100 4.4 2.5 7.4





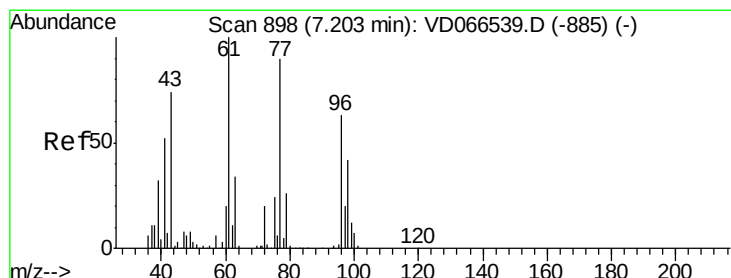
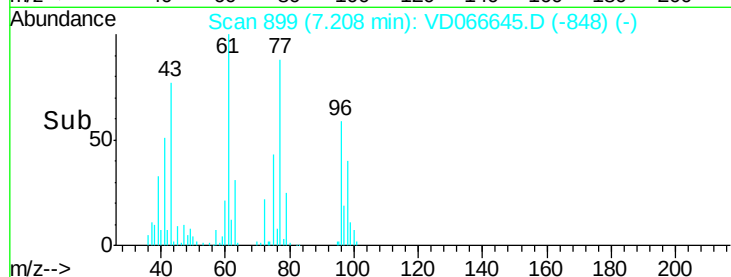
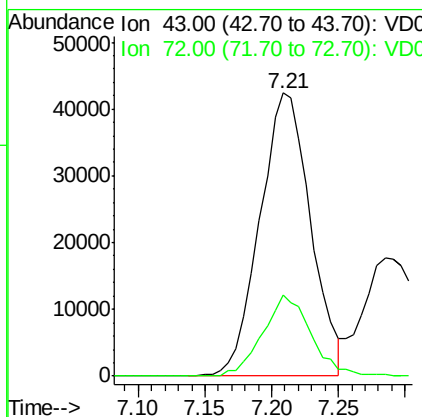
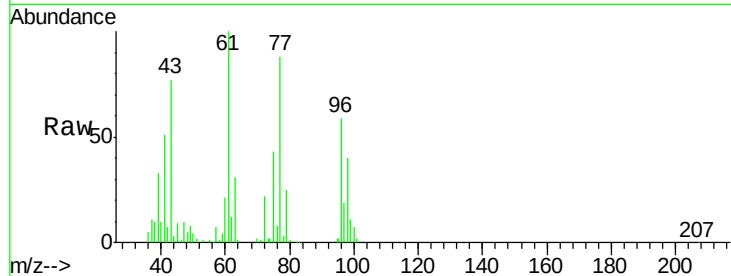
#25
2-Butanone
Concen: 108.361 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD066645.D
Acq: 11 Sep 2020 13:44

Instrument :
MSVOA_D
ClientSampleId :
VD0911SBS01

Tot Ion: 43 Resp: 111989
Ion Ratio Lower Upper
43 100
72 28.8 19.8 29.6

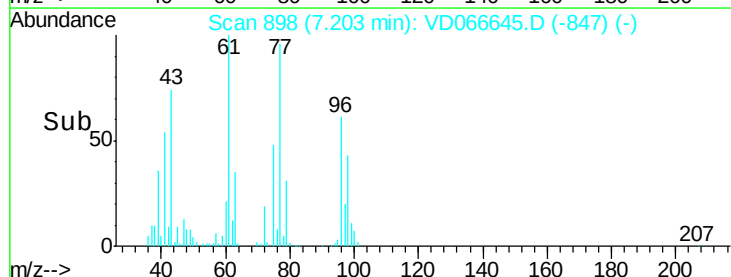
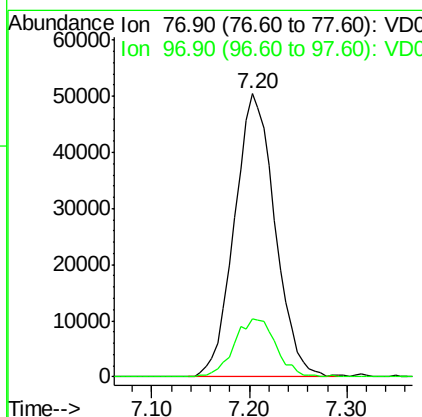
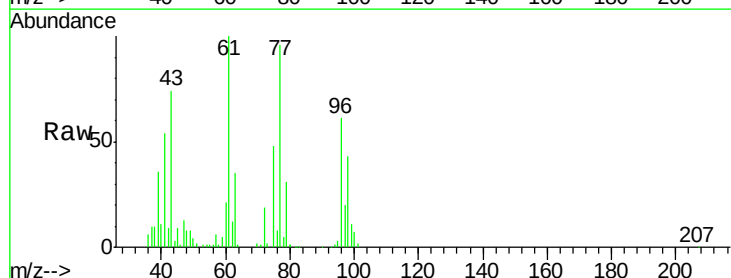
Manual Integrations
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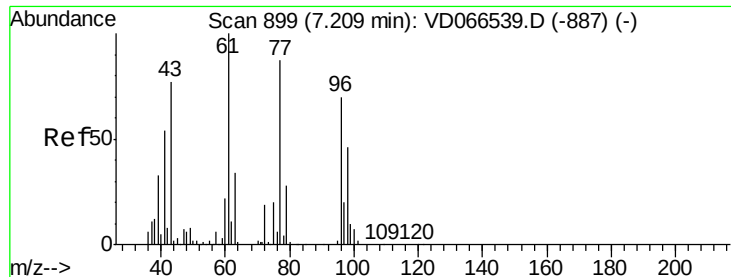
MMDadoda
9/14/2020 12:06:40 PM



#26
2,2-Dichloropropane
Concen: 21.631 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.00 min
Lab File: VD066645.D
Acq: 11 Sep 2020 13:44

Tgt Ion: 77 Resp: 146520
Ion Ratio Lower Upper
77 100
97 21.3 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 20.789 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066645.D

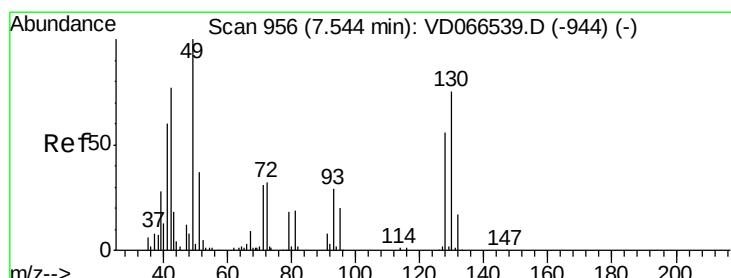
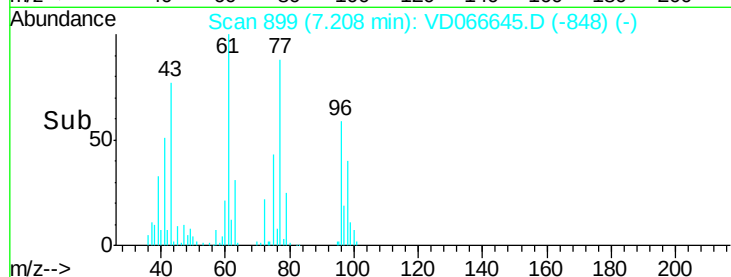
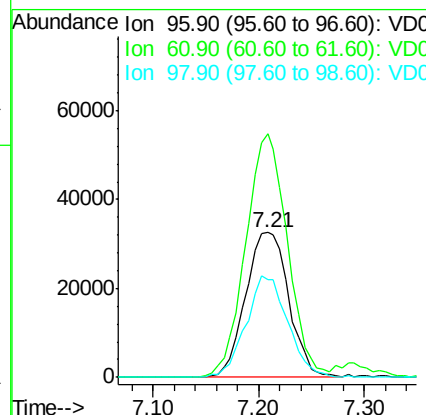
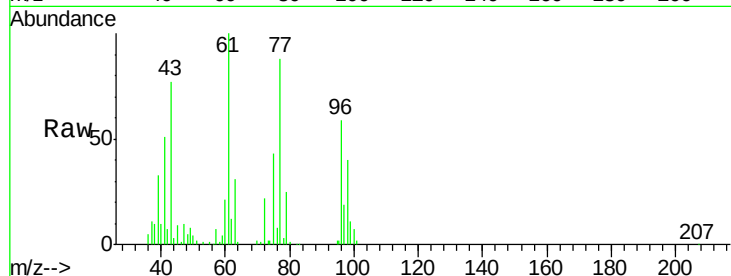
Acq: 11 Sep 2020 13:44

Instrument :
MSVOA_D
ClientSampleId :
VD0911SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.1	0.0	301.0
98	67.4	0.0	129.8

Manual Integrations
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9/14/2020 12:06:40 PM



#28

Bromochloromethane

Concen: 19.932 ug/l

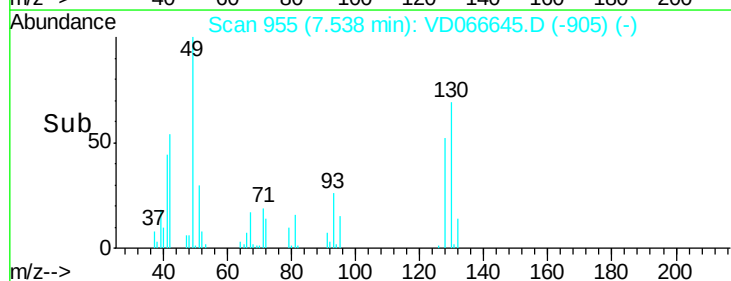
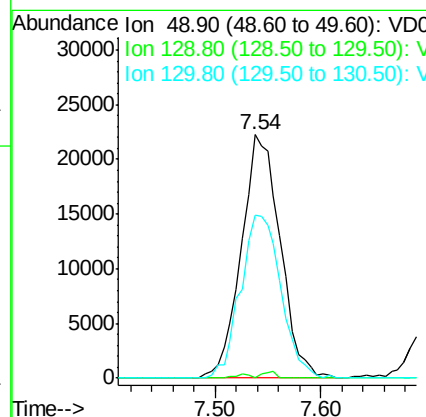
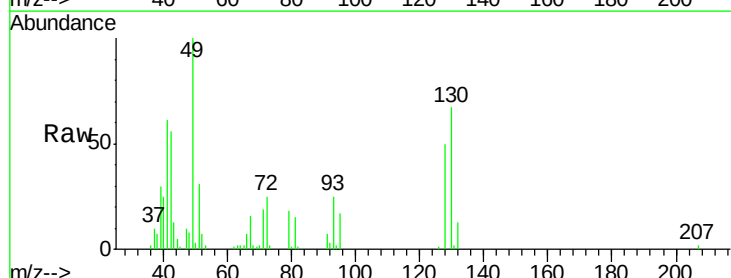
RT: 7.54 min Scan# 955

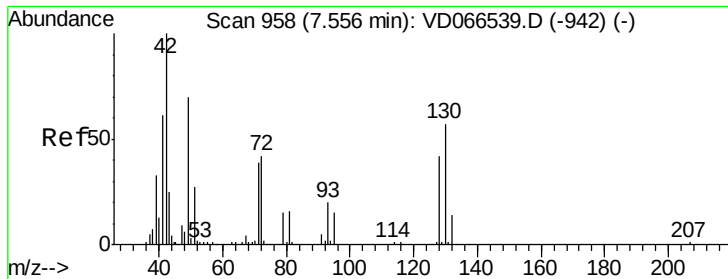
Delta R.T. -0.01 min

Lab File: VD066645.D

Acq: 11 Sep 2020 13:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	2.6
130	69.6	58.2	87.2





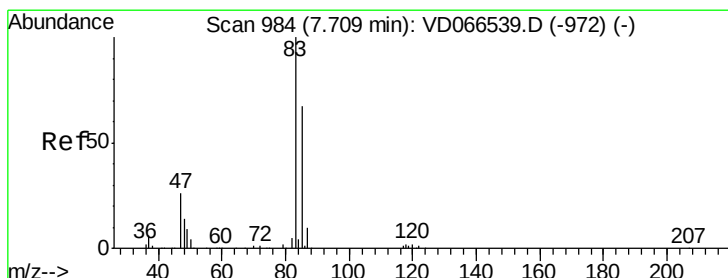
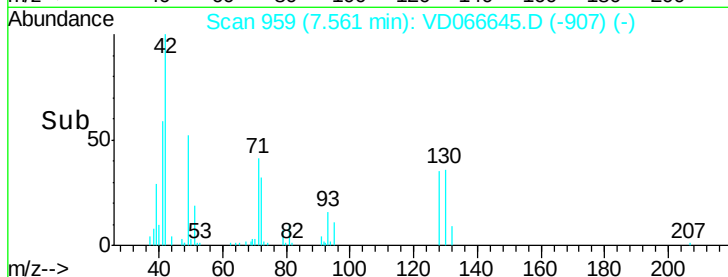
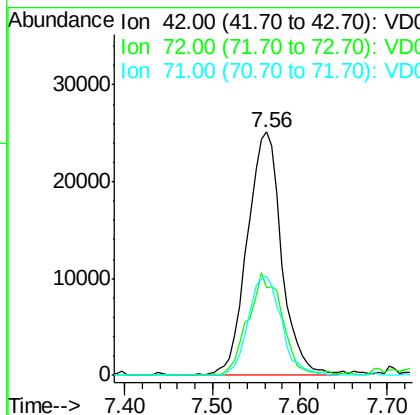
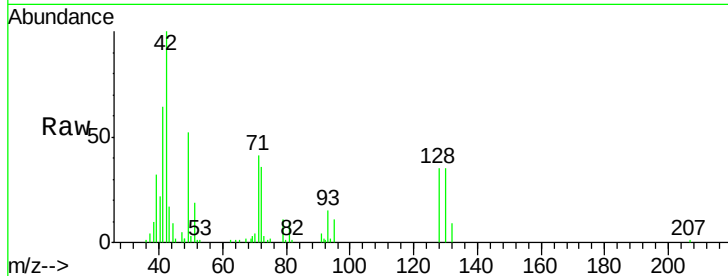
#29
Tetrahydrofuran
Concen: 104.342 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.01 min
Lab File: VD066645.D
Acq: 11 Sep 2020 13:44

Instrument :
MSVOA_D
ClientSampleId :
VD0911SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	33.4	50.0
71	39.0	31.9	47.9

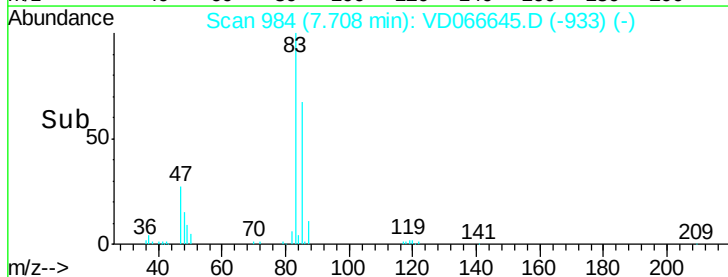
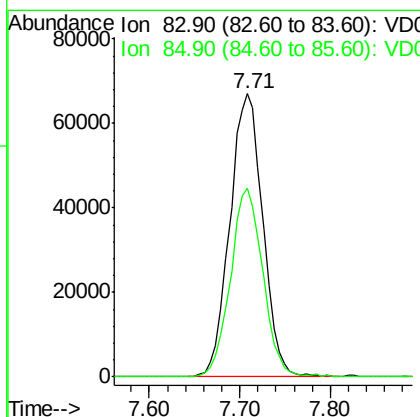
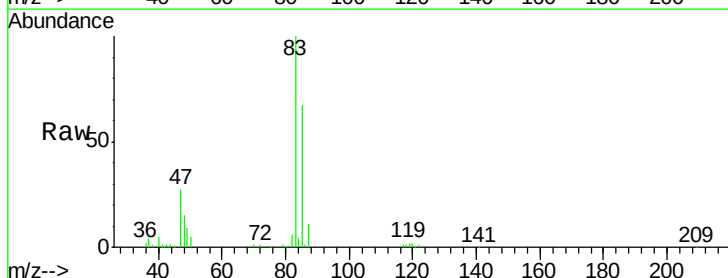
Manual Integrations
APPROVED

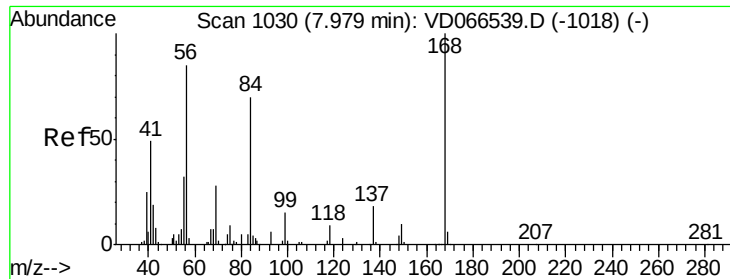
MMDadoda
9/14/2020 12:06:40 PM



#30
Chloroform
Concen: 21.624 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.00 min
Lab File: VD066645.D
Acq: 11 Sep 2020 13:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	53.6	80.4





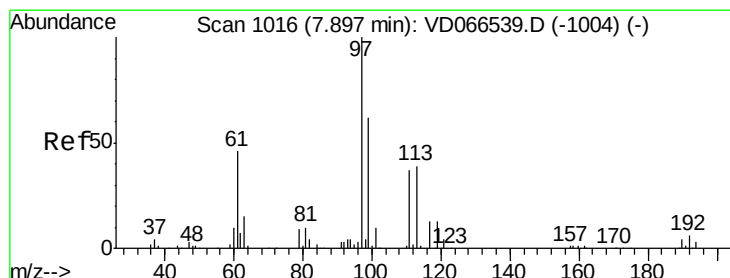
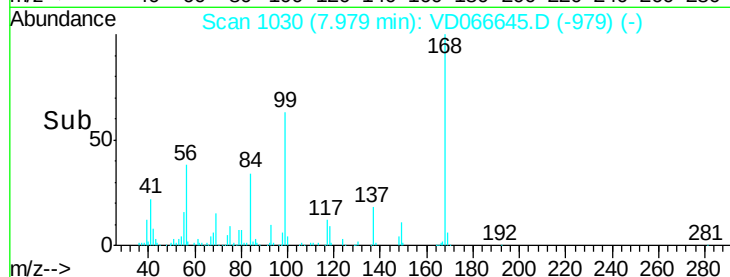
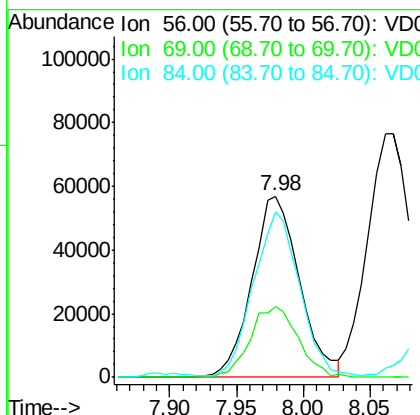
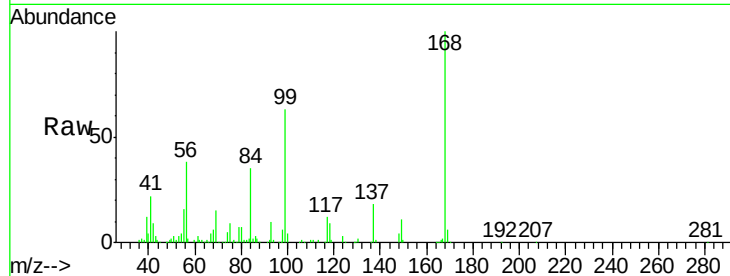
#31
Cyclohexane
Concen: 20.563 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD066645.D
Acq: 11 Sep 2020 13:44

Instrument :
MSVOA_D
ClientSampleId :
VD0911SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.4	26.3	39.5
84	90.1	66.1	99.1

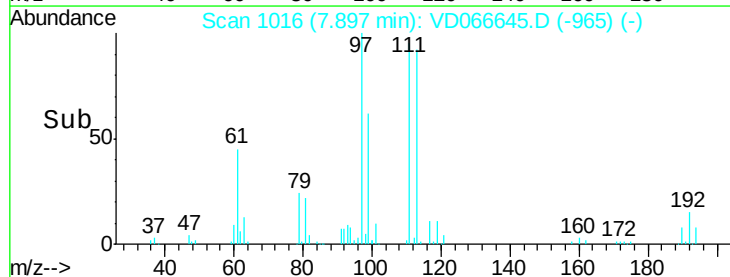
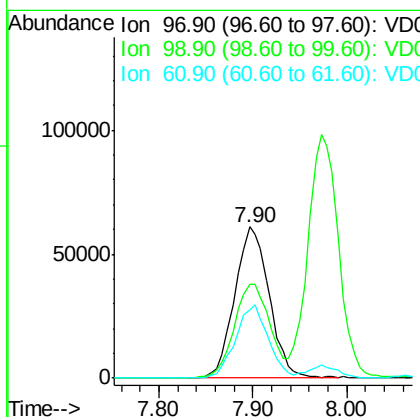
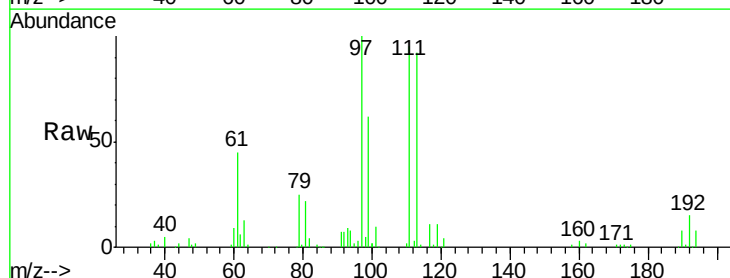
Manual Integrations
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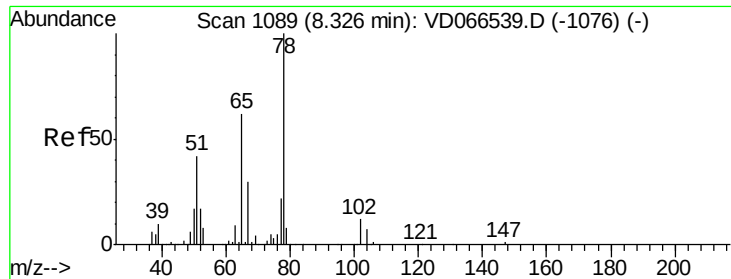
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 21.216 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VD066645.D
Acq: 11 Sep 2020 13:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.4	77.0
61	45.5	37.4	56.0





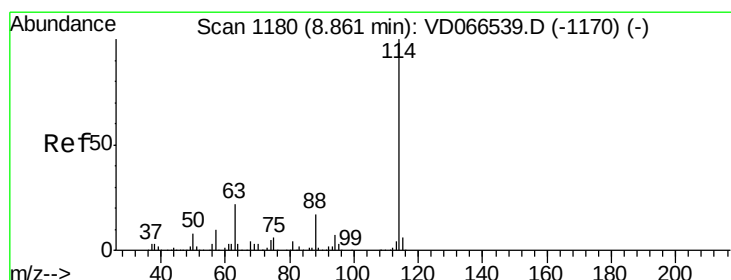
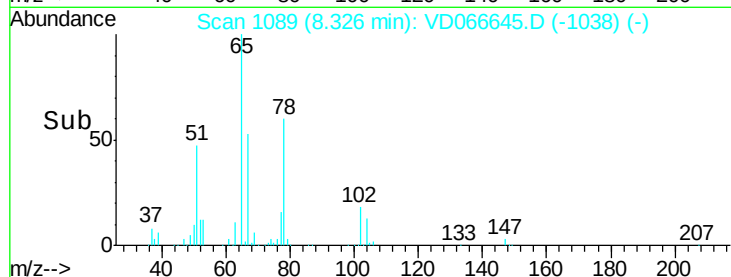
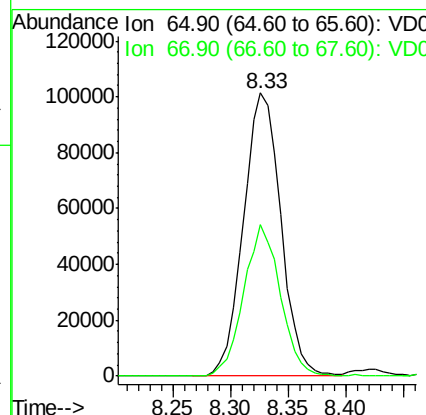
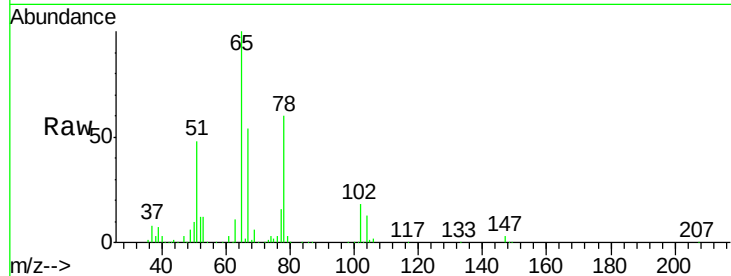
#33
 1,2-Dichloroethane-d4
 Concen: 54.753 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VD066645.D
 Acq: 11 Sep 2020 13:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0911SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	229099		
67	52.2	0.0	102.8	

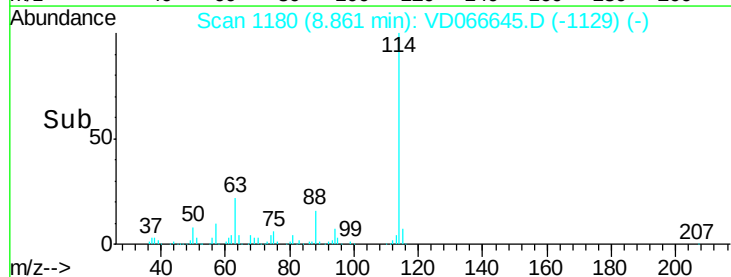
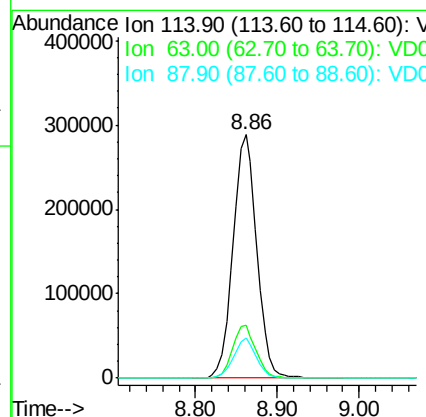
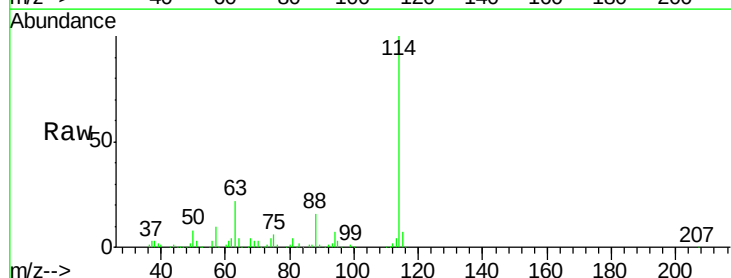
Manual Integrations
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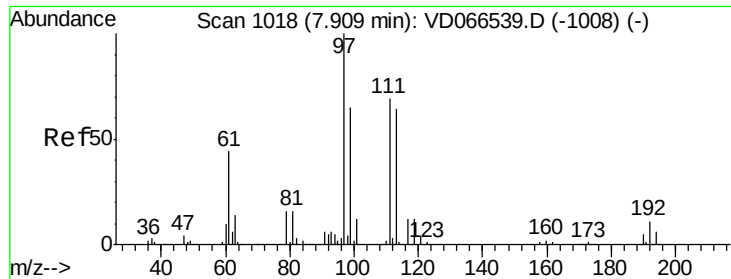
MMDadoda
 9/14/2020 12:06:40 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066645.D
 Acq: 11 Sep 2020 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	582269		
63	21.8	0.0	43.2	
88	16.4	0.0	33.2	





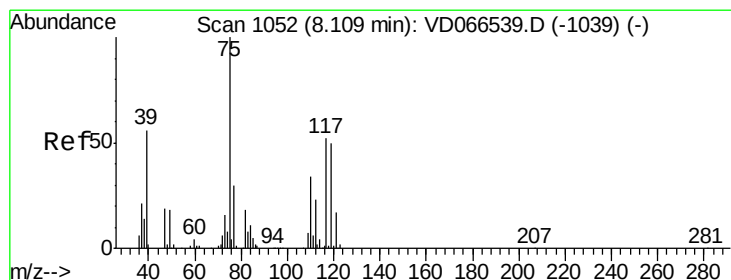
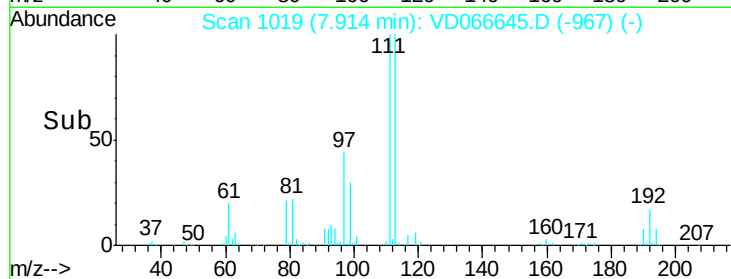
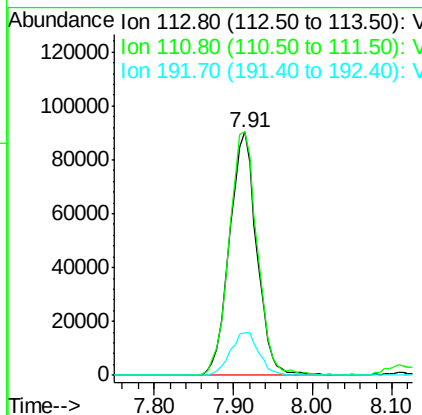
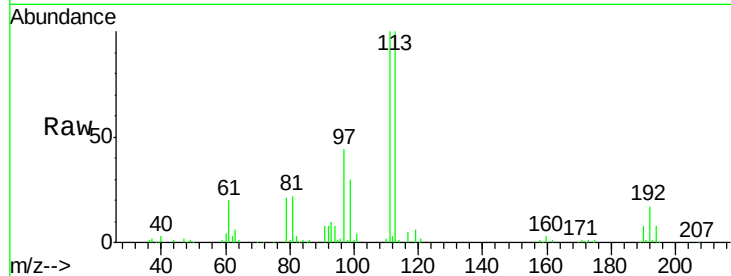
#35
 Dibromofluoromethane
 Concen: 54.696 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066645.D
 Acq: 11 Sep 2020 13:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0911SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	214848		
111	103.5	83.2	124.8	
192	18.3	13.7	20.5	

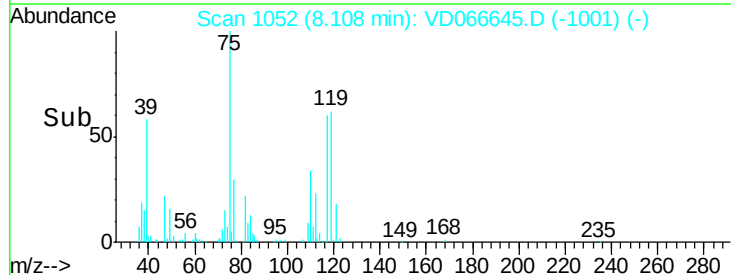
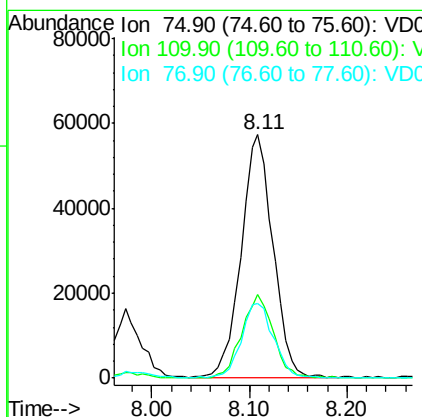
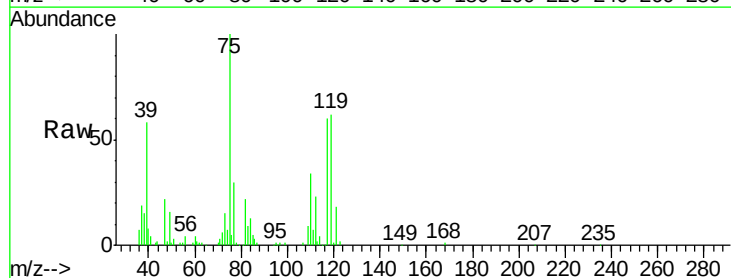
Manual Integrations
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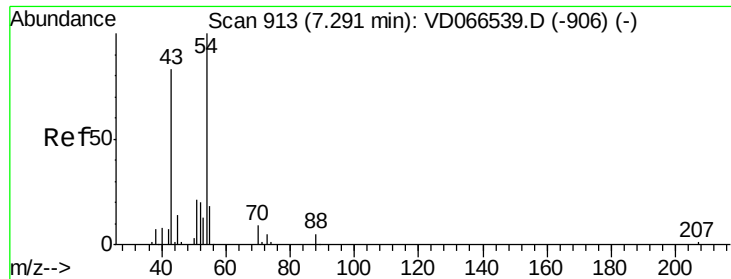
MMDadoda
 9/14/2020 12:06:40 PM



#36
 1,1-Dichloropropene
 Concen: 21.421 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VD066645.D
 Acq: 11 Sep 2020 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	129805		
110	33.6	17.3	52.0	
77	31.3	25.1	37.7	





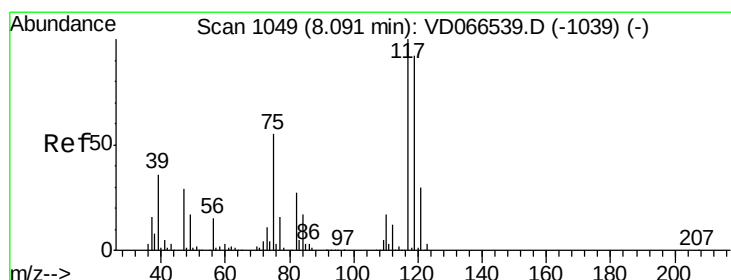
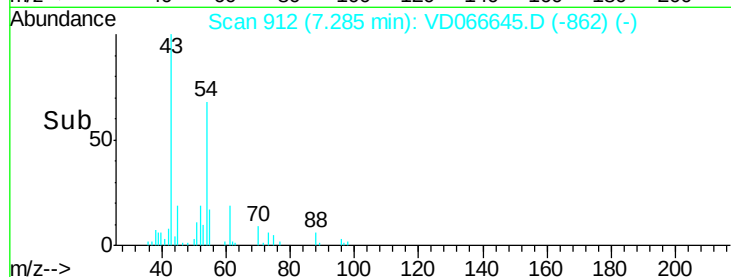
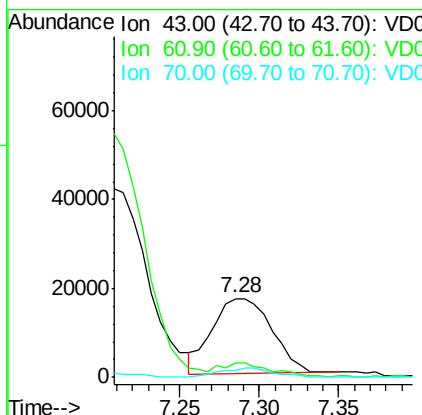
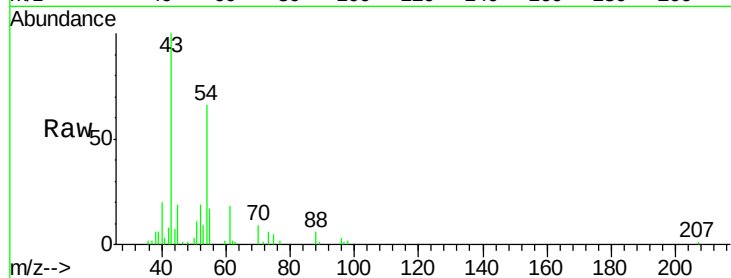
#37
Ethyl Acetate
Concen: 18.392 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066645.D
Acq: 11 Sep 2020 13:44

Instrument :
MSVOA_D
ClientSampleId :
VD0911SBSD01

Tot Ion	43	Resp	44378
Ion Ratio	Lower	Upper	
43	100		
61	17.2	11.8	17.8
70	11.2	7.9	11.9

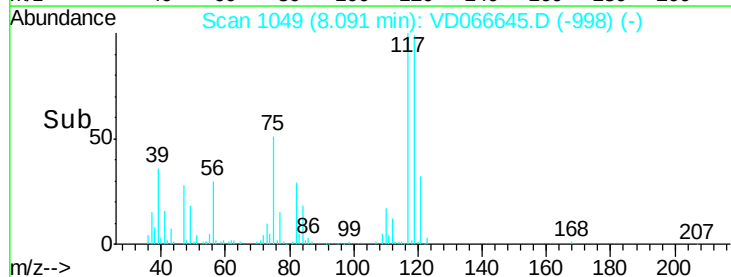
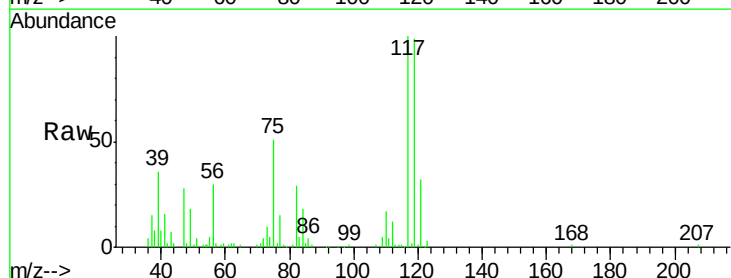
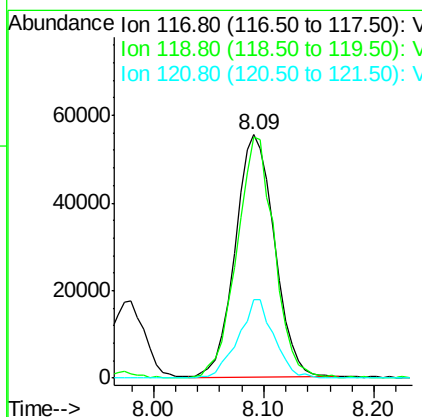
Manual Integrations
APPROVED

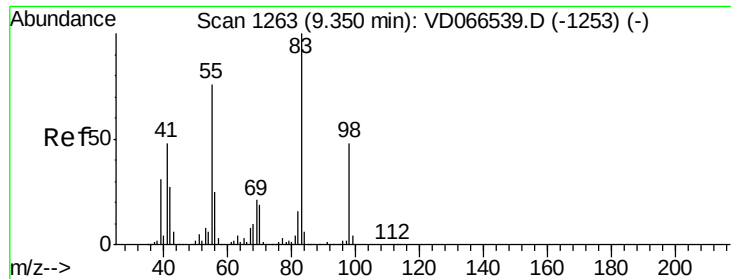
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#38
Carbon Tetrachloride
Concen: 21.602 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VD066645.D
Acq: 11 Sep 2020 13:44

Tgt Ion	117	Resp	138360
Ion Ratio	Lower	Upper	
117	100		
119	99.5	73.9	110.9
121	32.3	24.1	36.1





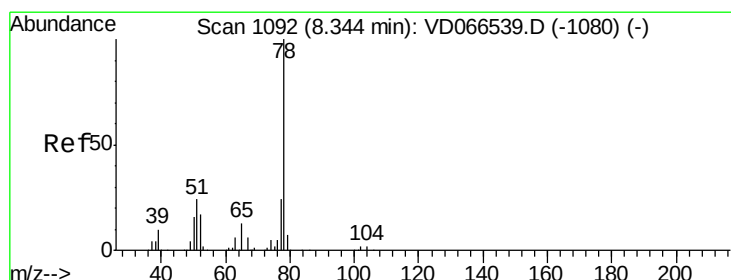
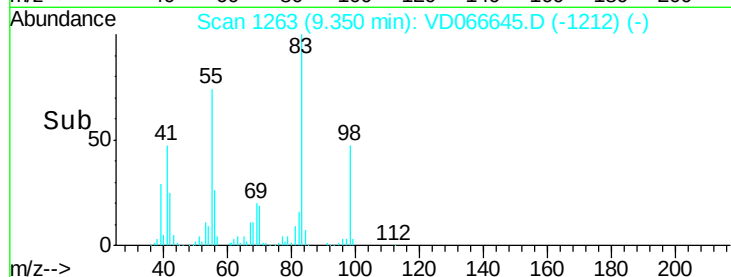
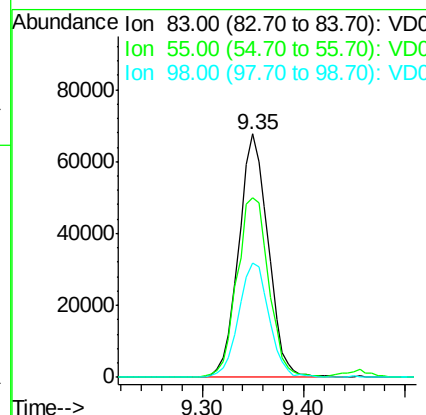
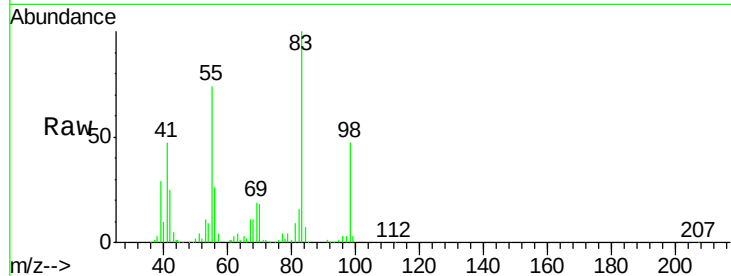
#39
Methylvlcyclohexane
Concen: 20.200 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066645.D
Acq: 11 Sep 2020 13:44

Instrument :
MSVOA_D
ClientSampleId :
VD0911SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.0	60.8	91.2
98	47.2	38.6	58.0

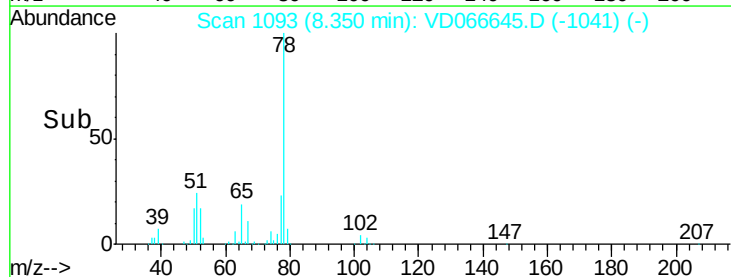
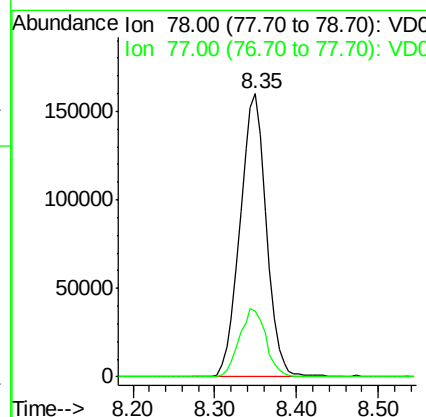
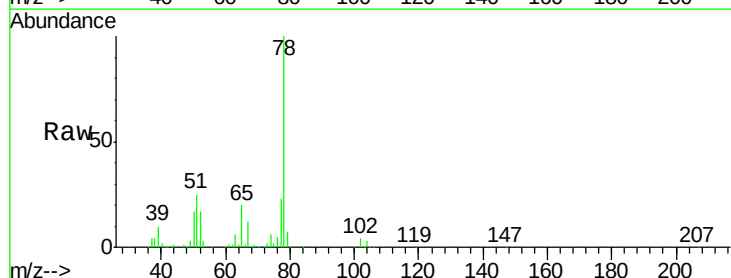
Manual Integrations
APPROVED

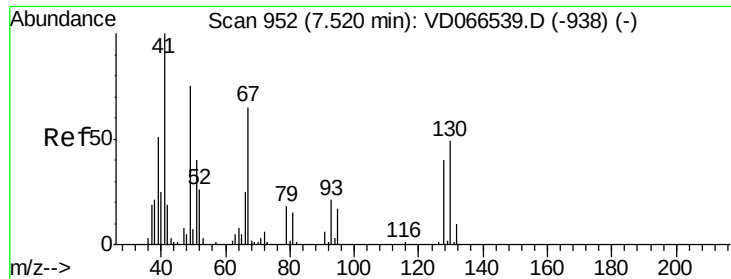
MMDadoda
9/14/2020 12:06:40 PM



#40
Benzene
Concen: 21.557 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VD066645.D
Acq: 11 Sep 2020 13:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.1	28.7





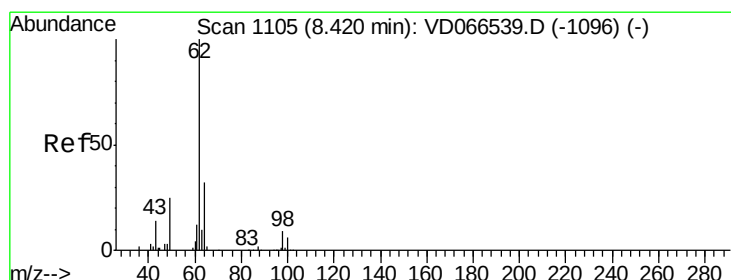
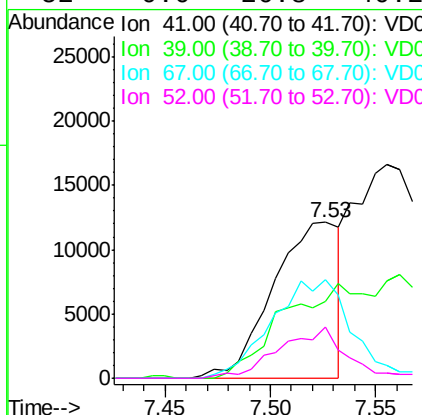
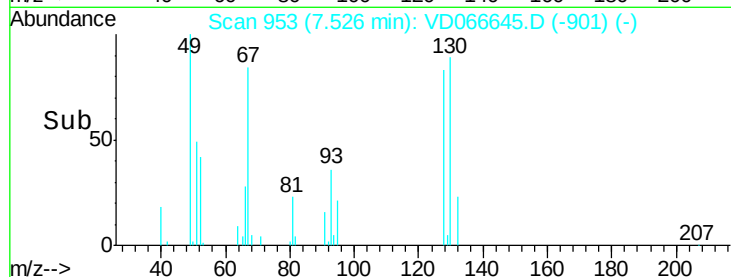
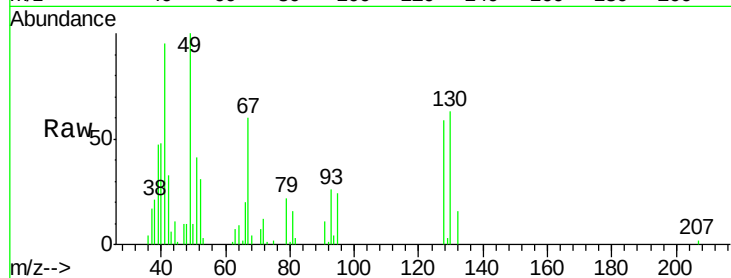
#41
Methacrylonitrile
Concen: 22.836 ug/l m
RT: 7.53 min Scan# 953
Delta R.T. 0.01 min
Lab File: VD066645.D
Acq: 11 Sep 2020 13:44

Instrument :
MSVOA_D
ClientSampleId :
VD0911SBS01

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

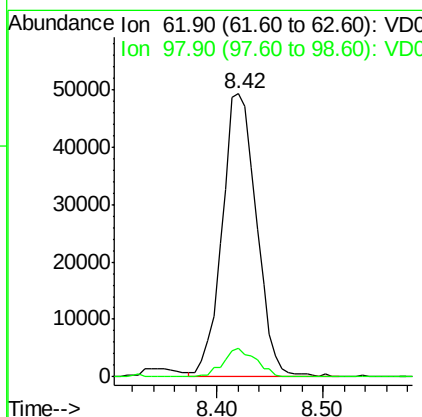
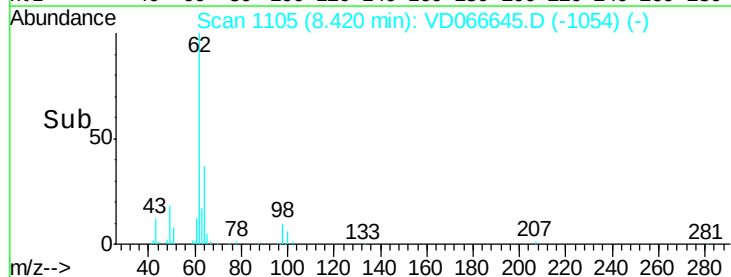
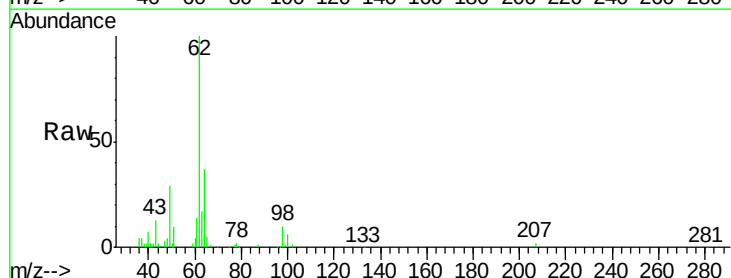
Manual Integrations
APPROVED

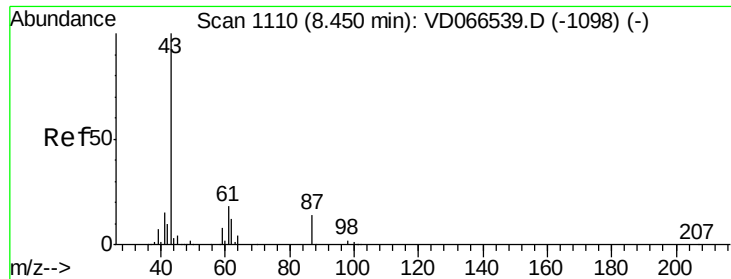
MMDadoda
9/14/2020 12:06:40 PM



#42
1,2-Dichloroethane
Concen: 20.666 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VD066645.D
Acq: 11 Sep 2020 13:44

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	17.6





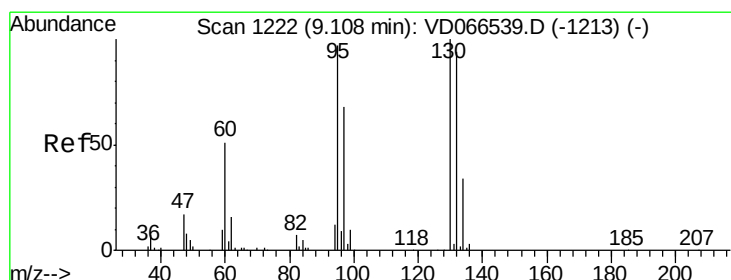
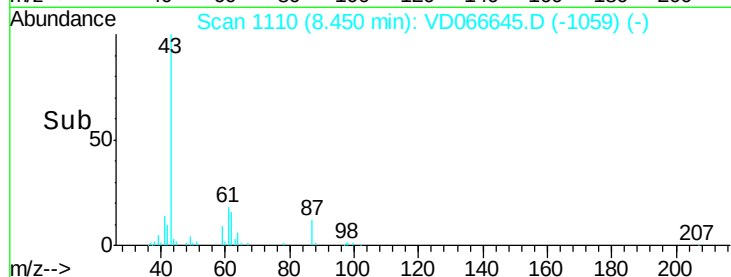
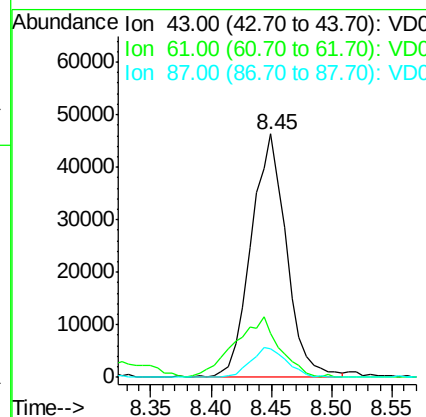
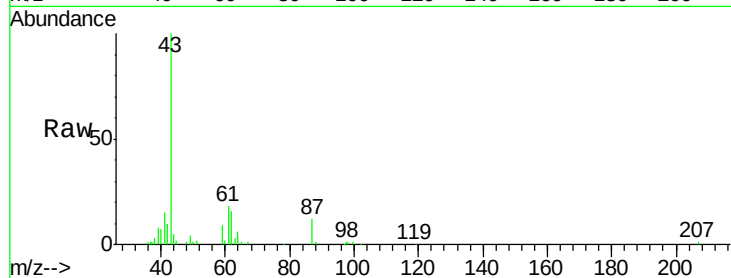
#43
Isopropyl Acetate
Concen: 20.444 ug/l
RT: 8.45 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD066645.D
Acq: 11 Sep 2020 13:44

Instrument :
MSVOA_D
ClientSampleId :
VD0911SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.4	23.8	35.8
87	12.6	10.7	16.1

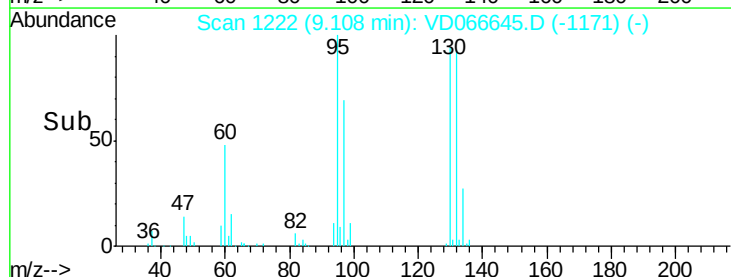
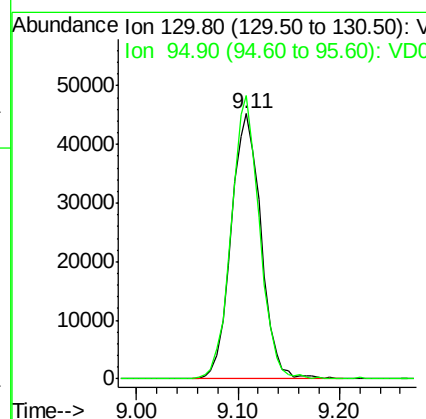
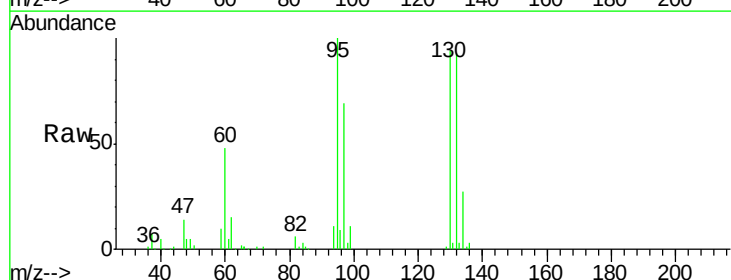
Manual Integrations
APPROVED

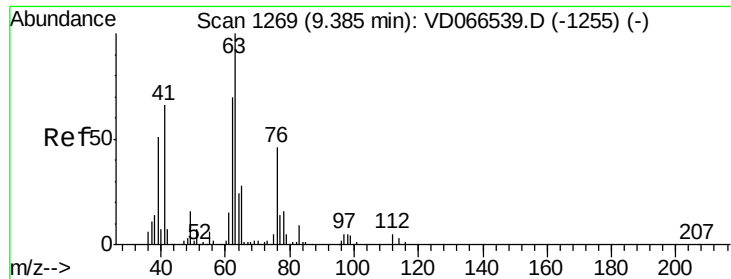
MMDadoda
9/14/2020 12:06:40 PM



#44
Trichloroethene
Concen: 21.193 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VD066645.D
Acq: 11 Sep 2020 13:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.8	0.0	194.4





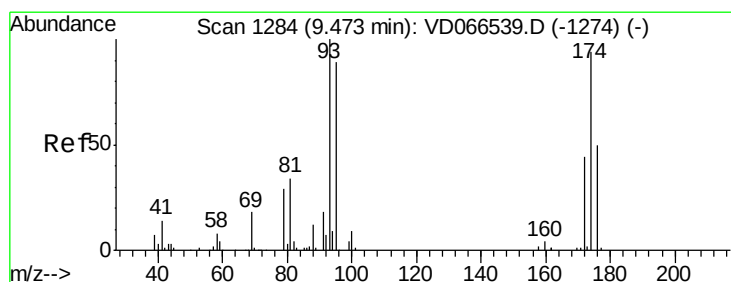
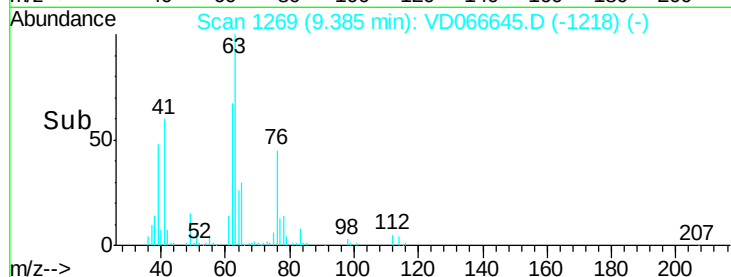
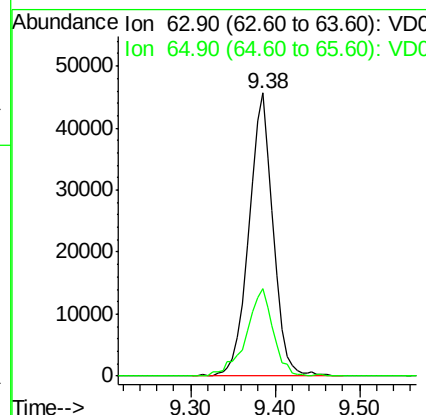
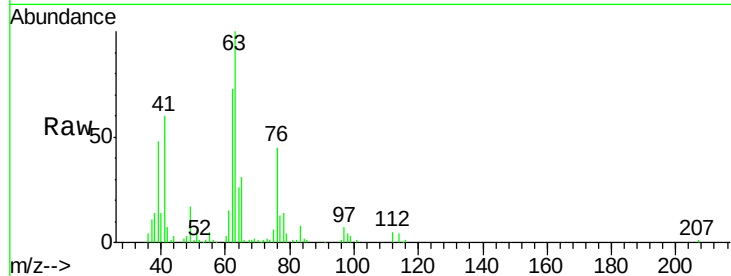
#45
 1,2-Dichloropropane
 Concen: 21.708 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VD066645.D
 Acq: 11 Sep 2020 13:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0911SBS01

Tot Ion: 63 Resp: 90599
 Ion Ratio Lower Upper
 63 100
 65 30.8 22.6 34.0

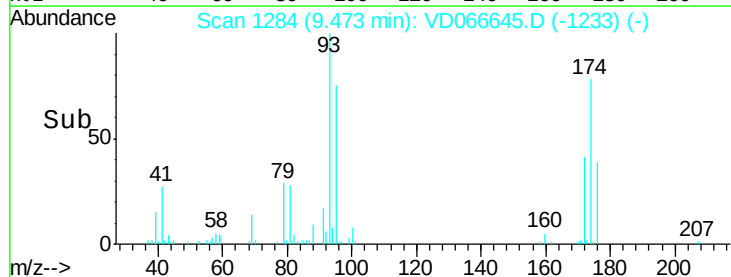
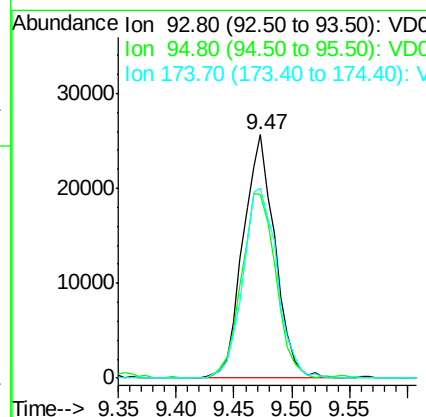
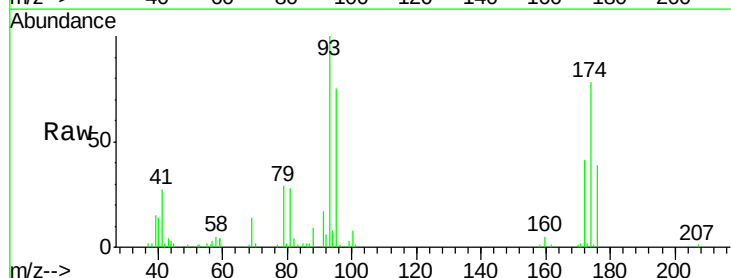
Manual Integrations
 APPROVED

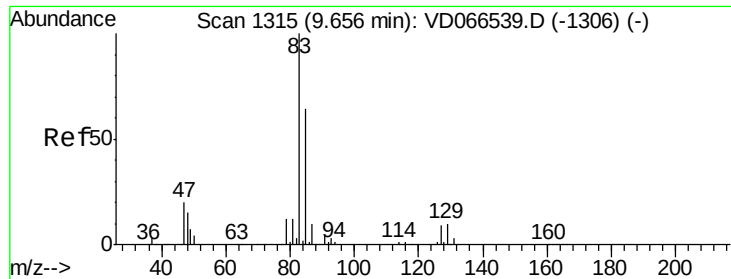
MMDadoda
 9/14/2020 12:06:40 PM



#46
 Dibromomethane
 Concen: 21.354 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.00 min
 Lab File: VD066645.D
 Acq: 11 Sep 2020 13:44

Tgt Ion: 93 Resp: 49170
 Ion Ratio Lower Upper
 93 100
 95 81.5 68.7 103.1
 174 83.8 70.0 105.0





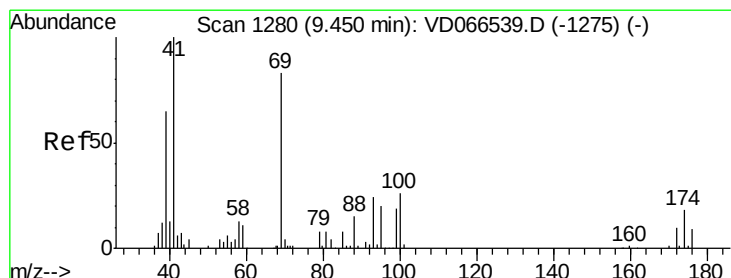
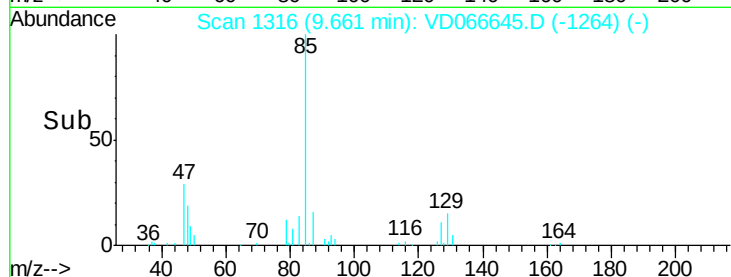
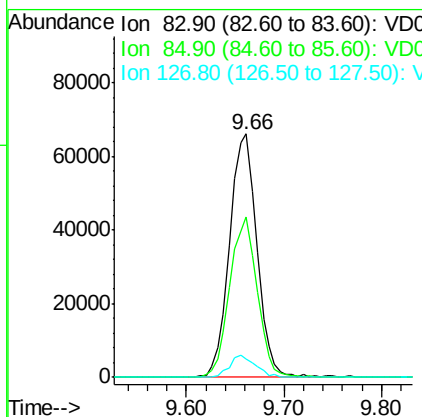
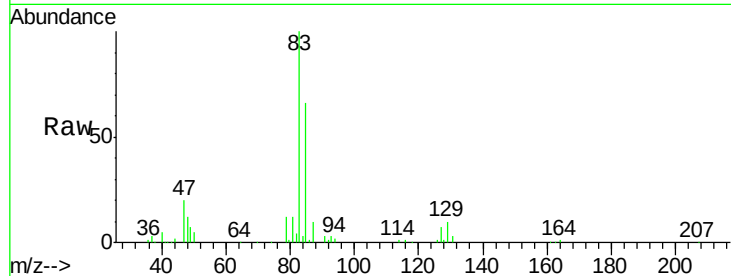
#47
Bromodichloromethane
Concen: 20.795 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. 0.01 min
Lab File: VD066645.D
Acq: 11 Sep 2020 13:44

Instrument :
MSVOA_D
ClientSampleId :
VD0911SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	129548		
85	66.1		51.1	76.7
127	7.4		6.9	10.3

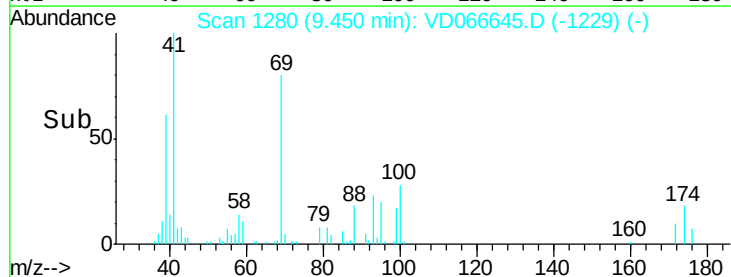
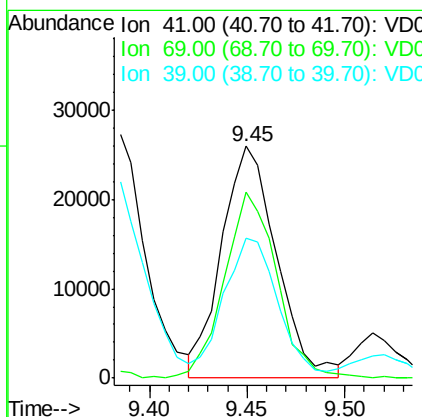
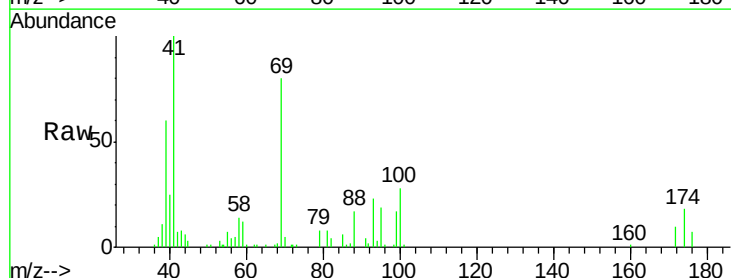
Manual Integrations
APPROVED

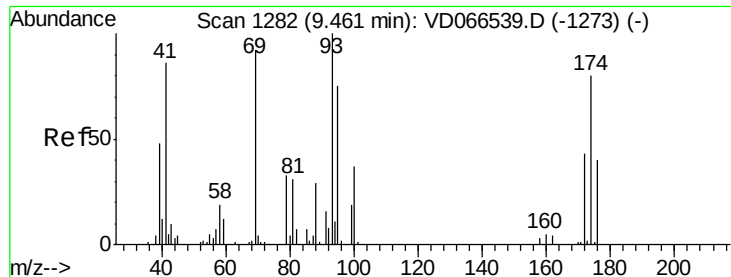
MMDadoda
9/14/2020 12:06:40 PM



#48
Methyl methacrylate
Concen: 21.459 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.00 min
Lab File: VD066645.D
Acq: 11 Sep 2020 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	50176		
69	76.9		64.5	96.7
39	54.3		46.6	69.8





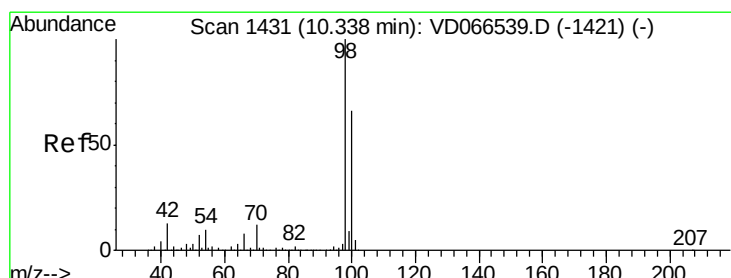
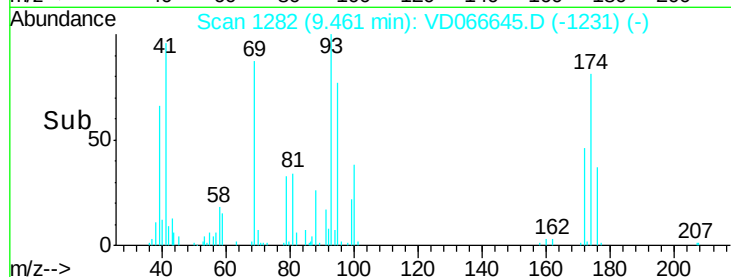
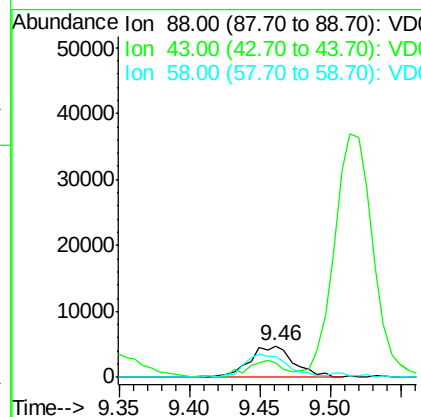
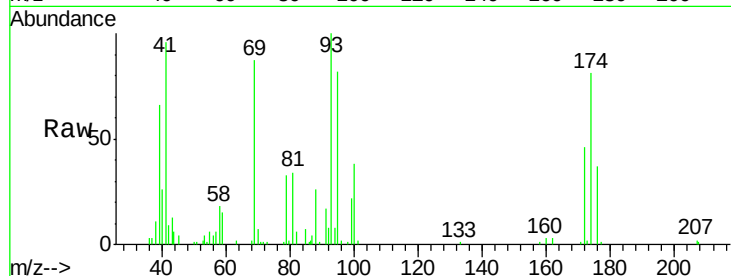
#49
1,4-Dioxane
Concen: 413.870 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD066645.D
Acq: 11 Sep 2020 13:44

Instrument :
MSVOA_D
ClientSampleId :
VD0911SBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	43.0	28.3	42.5#	
58	71.9	56.1	84.1	

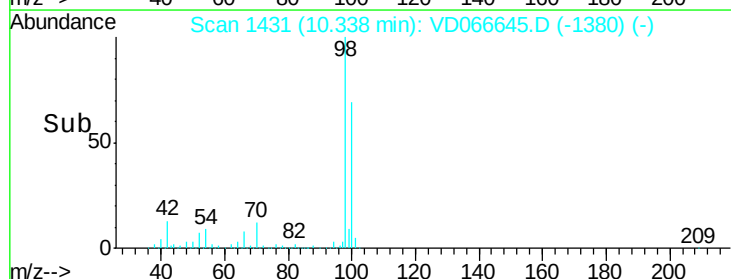
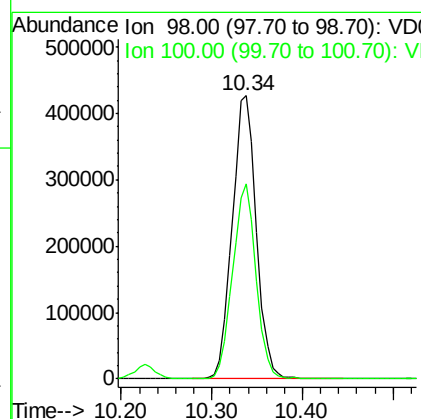
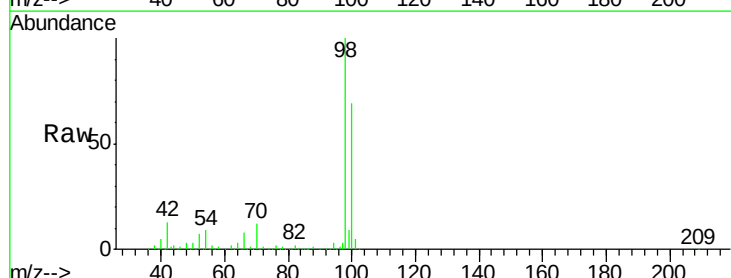
Manual Integrations
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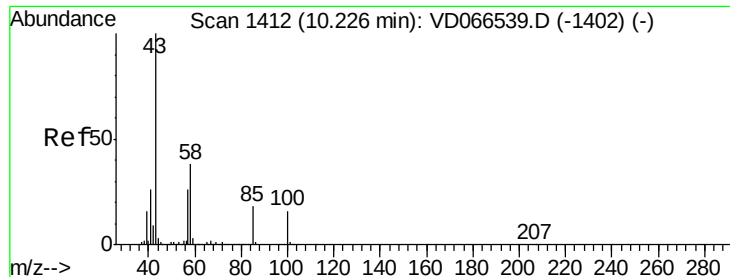
MMDadoda
9/14/2020 12:06:40 PM



#50
Toluene-d8
Concen: 56.332 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066645.D
Acq: 11 Sep 2020 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	66.7	52.9	79.3	





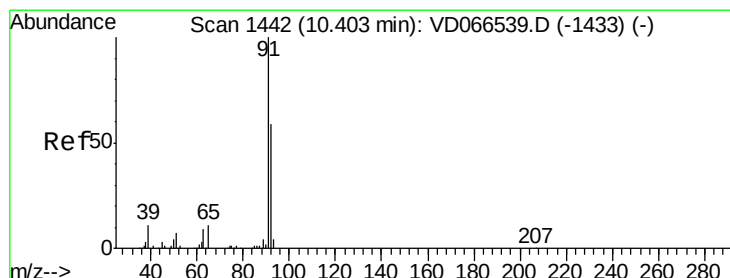
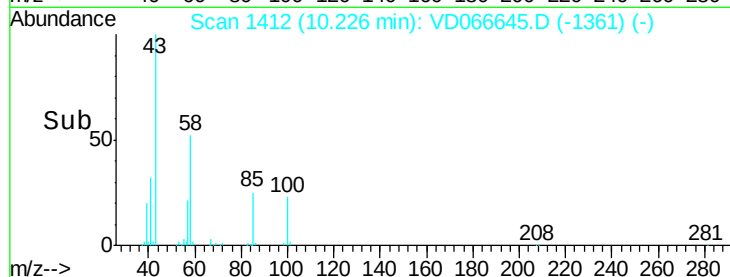
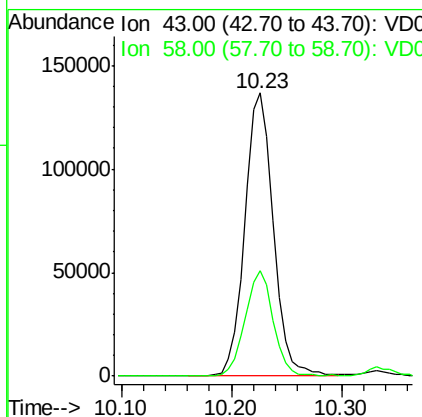
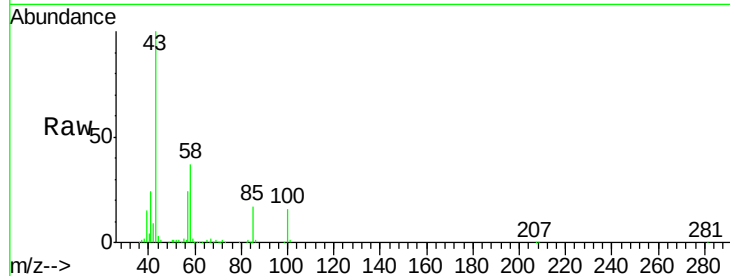
#51
4-Methyl-2-Pentanone
Concen: 106.480 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. -0.00 min
Lab File: VD066645.D
Acq: 11 Sep 2020 13:44

Instrument :
MSVOA_D
ClientSampleId :
VD0911SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.8	30.5	45.7

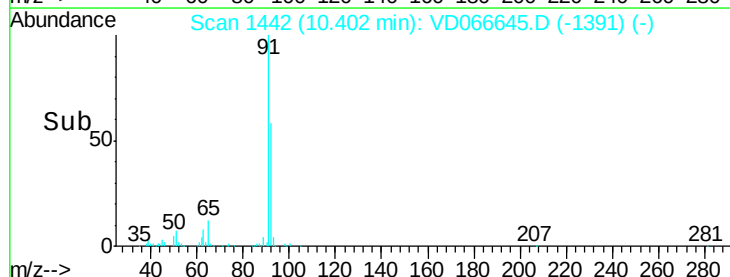
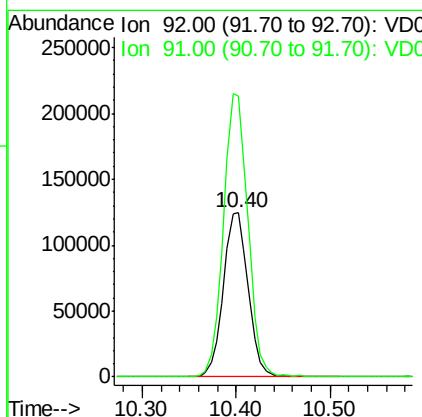
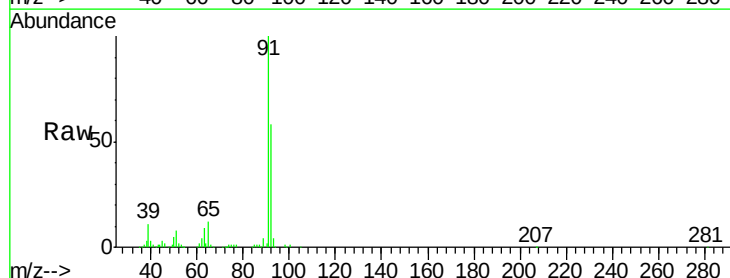
Manual Integrations
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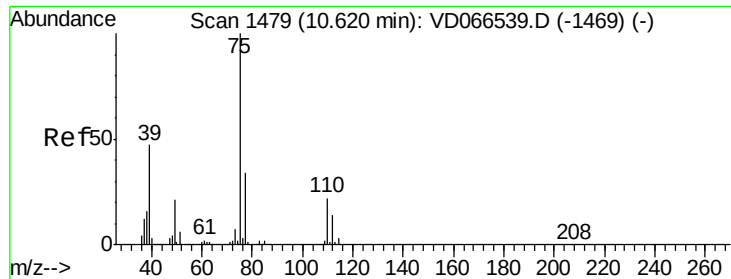
MMDadoda
9/14/2020 12:06:40 PM



#52
Toluene
Concen: 21.806 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.00 min
Lab File: VD066645.D
Acq: 11 Sep 2020 13:44

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.0	137.4	206.2





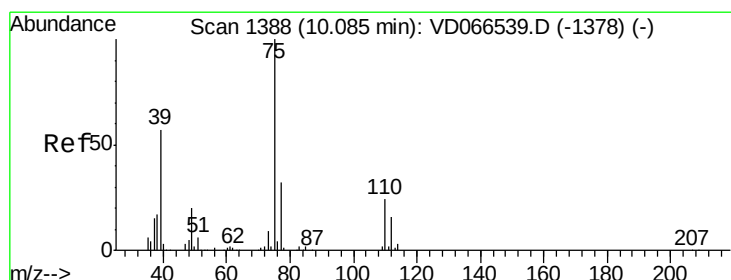
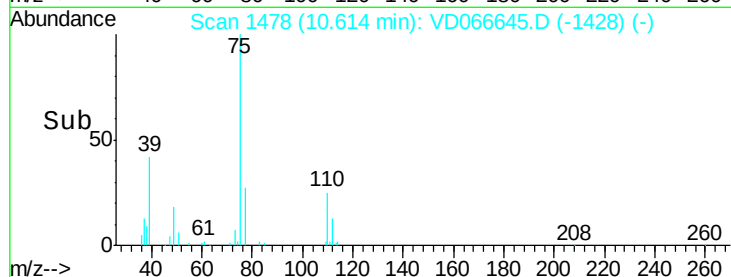
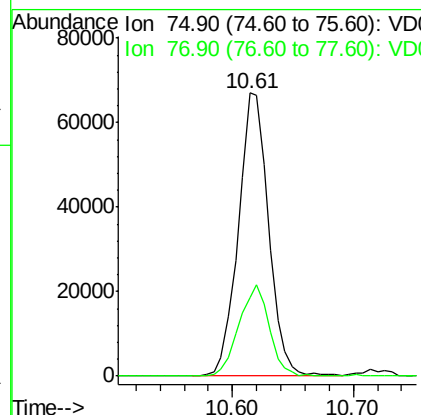
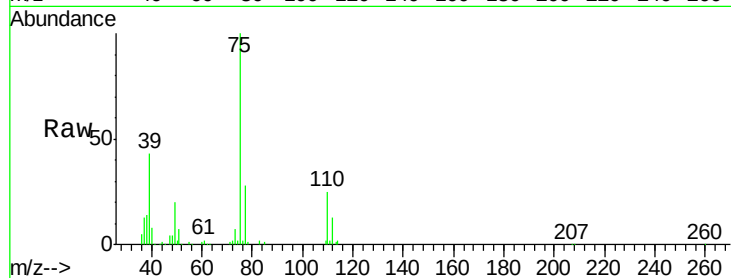
#53
t-1,3-Dichloropropene
Concen: 21.336 ug/l
RT: 10.61 min Scan# 1478
Delta R.T. -0.01 min
Lab File: VD066645.D
Acq: 11 Sep 2020 13:44

Instrument :
MSVOA_D
ClientSampleId :
VD0911SBS01

Tot Ion: 75 Resp: 117336
Ion Ratio Lower Upper
75 100
77 27.6 27.4 41.2

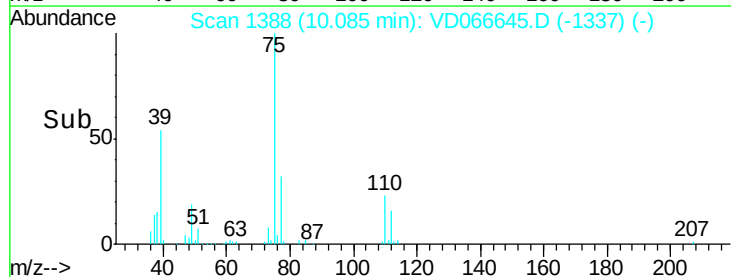
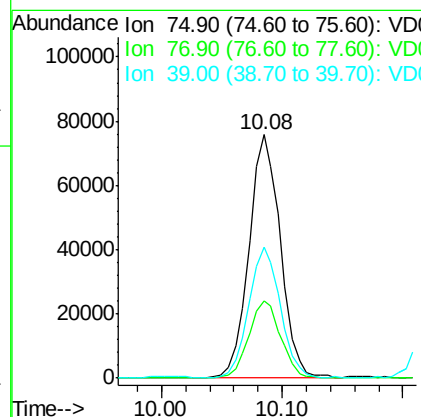
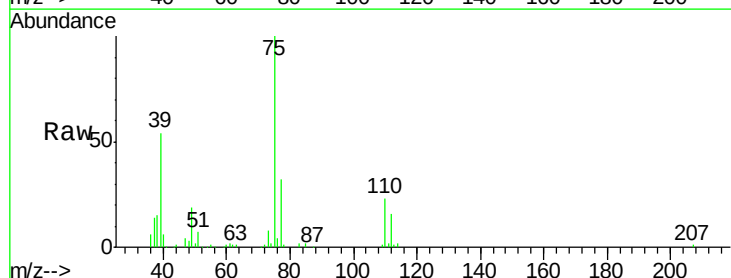
Manual Integrations
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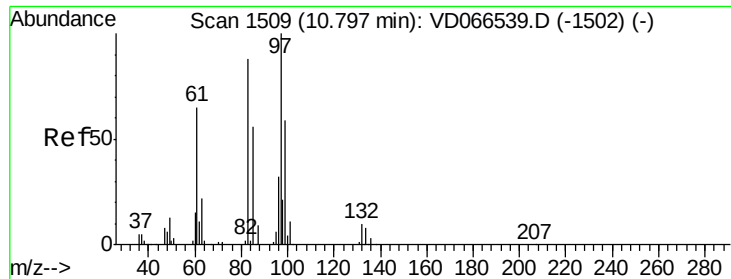
MMDadoda
9/14/2020 12:06:40 PM



#54
cis-1,3-Dichloropropene
Concen: 20.793 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VD066645.D
Acq: 11 Sep 2020 13:44

Tgt Ion: 75 Resp: 137324
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.0
39 53.6 45.4 68.0





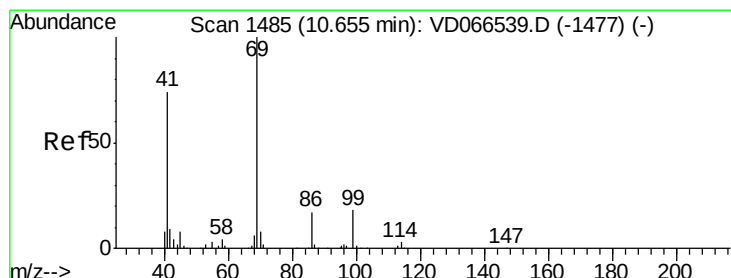
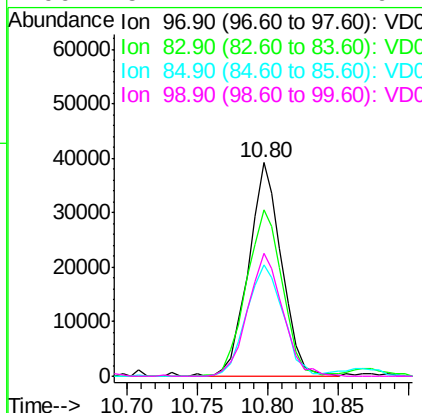
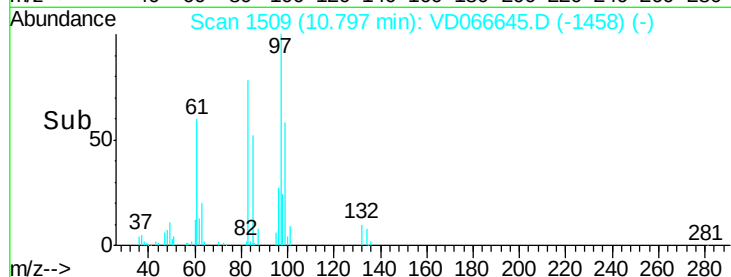
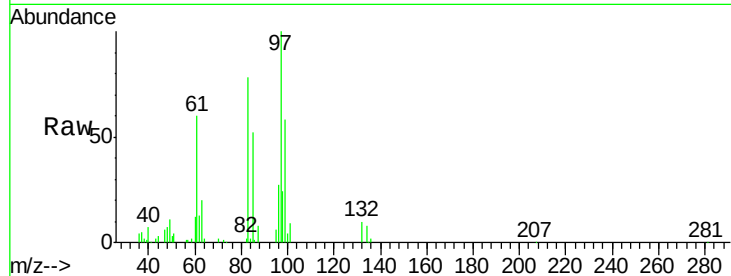
#55
 1,1,2-Trichloroethane
 Concen: 21.701 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: VD066645.D
 Acq: 11 Sep 2020 13:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0911SBS01

Tot Ion:	97	Resp:	64249
Ion	Ratio	Lower	Upper
97	100		
83	78.1	70.1	105.1
85	52.0	44.5	66.7
99	57.7	47.1	70.7

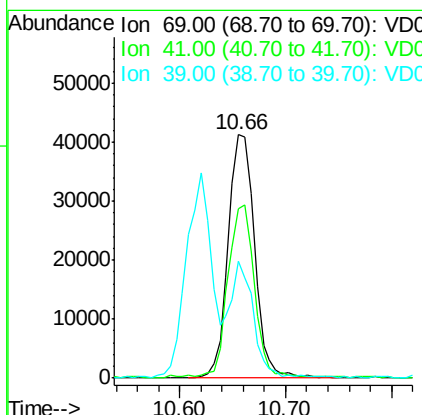
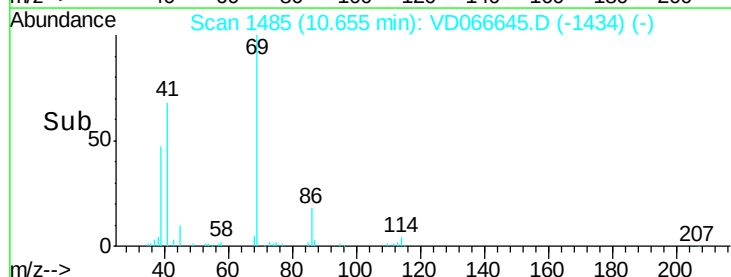
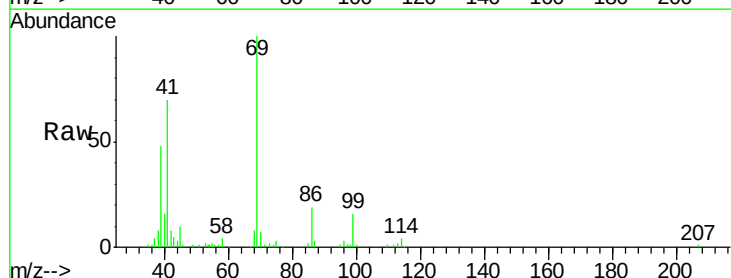
Manual Integrations
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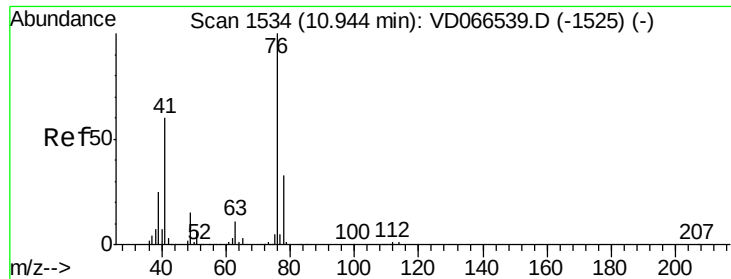
MMDadoda
 9/14/2020 12:06:40 PM



#56
 Ethyl methacrylate
 Concen: 20.724 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VD066645.D
 Acq: 11 Sep 2020 13:44

Tgt Ion:	69	Resp:	71438
Ion	Ratio	Lower	Upper
69	100		
41	71.7	56.8	85.2
39	44.0	30.6	46.0





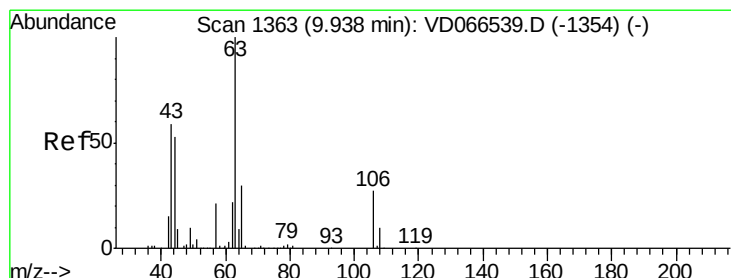
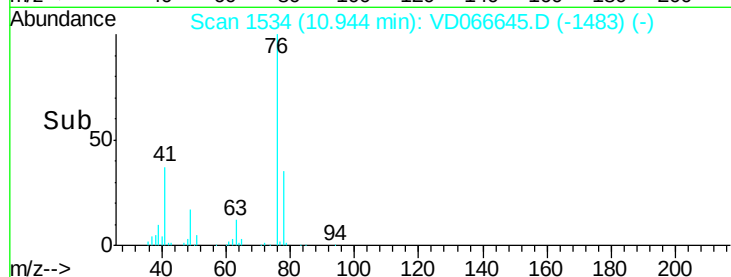
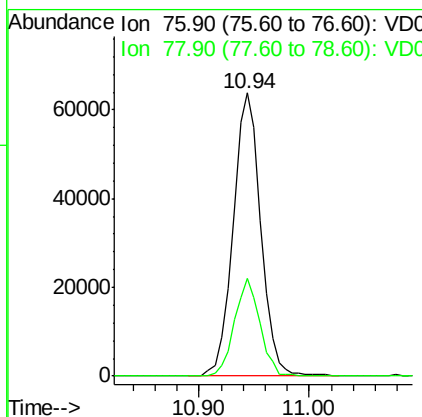
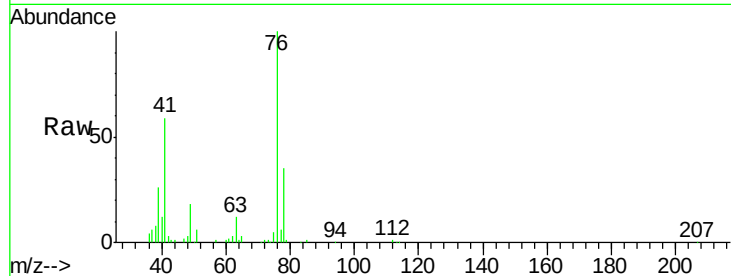
#57
 1,3-Dichloropropane
 Concen: 21.581 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD066645.D
 Acq: 11 Sep 2020 13:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0911SBS01

Tot Ion: 76 Resp: 111913
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.8

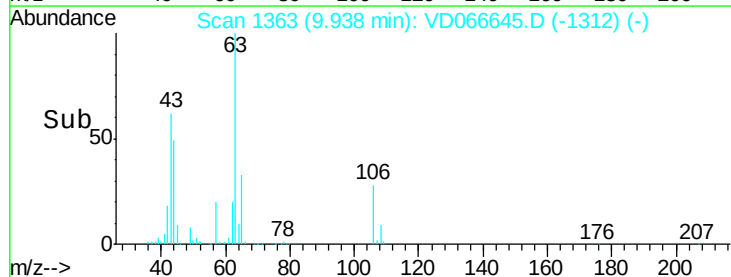
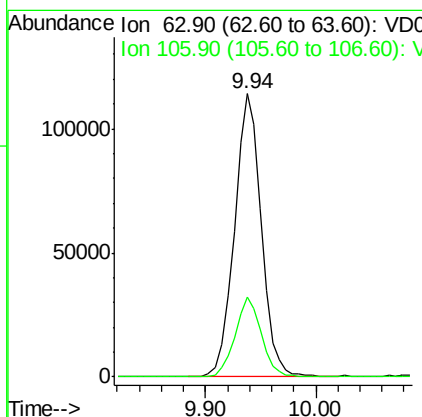
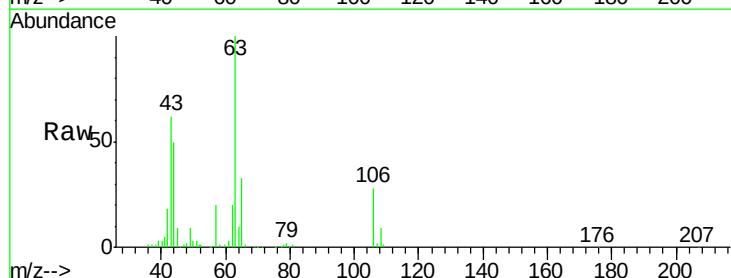
Manual Integrations
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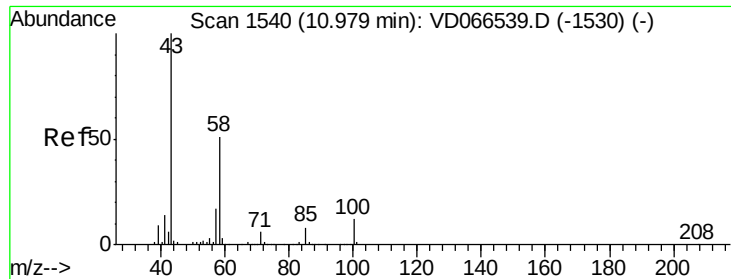
MMDadoda
 9/14/2020 12:06:40 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 123.234 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VD066645.D
 Acq: 11 Sep 2020 13:44

Tgt Ion: 63 Resp: 194303
 Ion Ratio Lower Upper
 63 100
 106 27.7 22.0 33.0





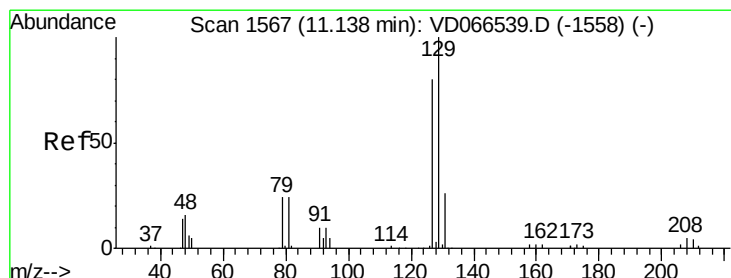
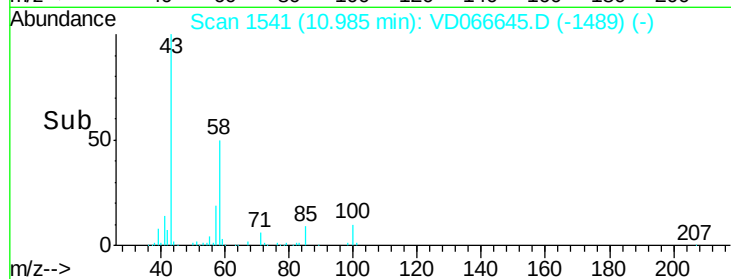
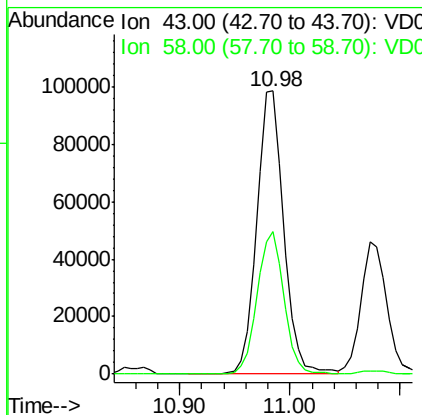
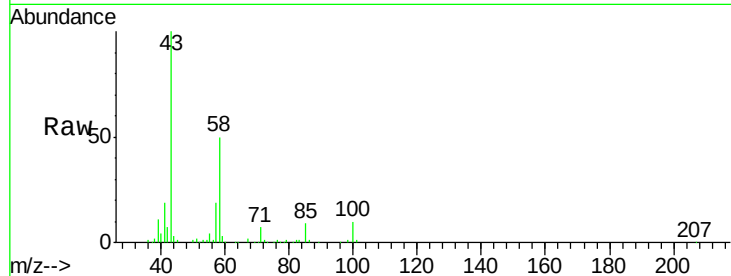
#59
2-Hexanone
Concen: 108.109 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.01 min
Lab File: VD066645.D
Acq: 11 Sep 2020 13:44

Instrument :
MSVOA_D
ClientSampleId :
VD0911SBS01

Tot Ion: 43 Resp: 169545
Ion Ratio Lower Upper
43 100
58 50.1 25.6 76.8

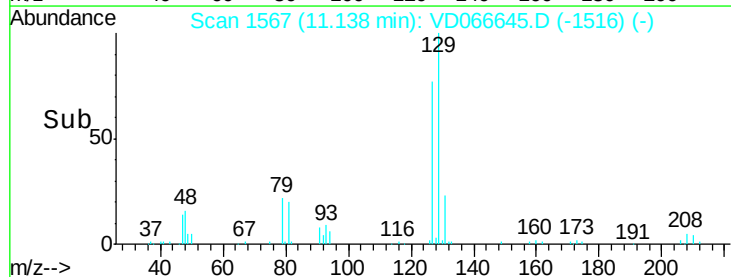
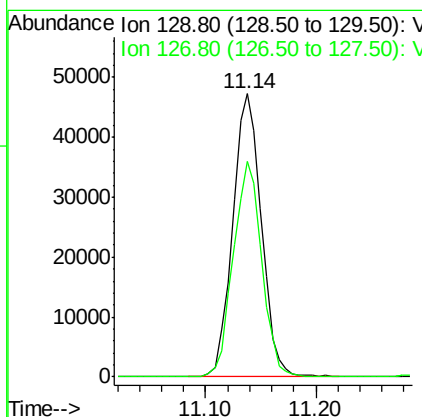
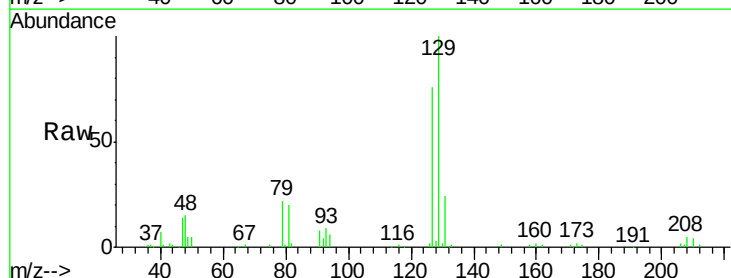
Manual Integrations
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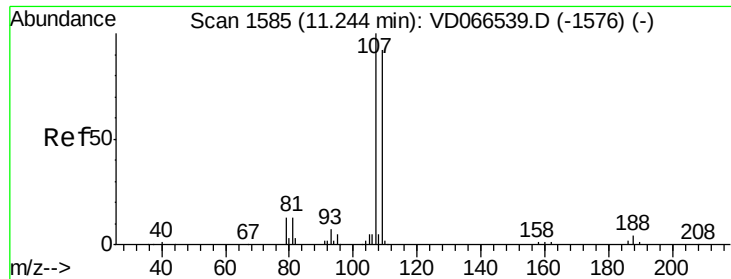
MMDadoda
9/14/2020 12:06:40 PM



#60
Dibromochloromethane
Concen: 21.965 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066645.D
Acq: 11 Sep 2020 13:44

Tgt Ion: 129 Resp: 85991
Ion Ratio Lower Upper
129 100
127 75.6 39.5 118.3





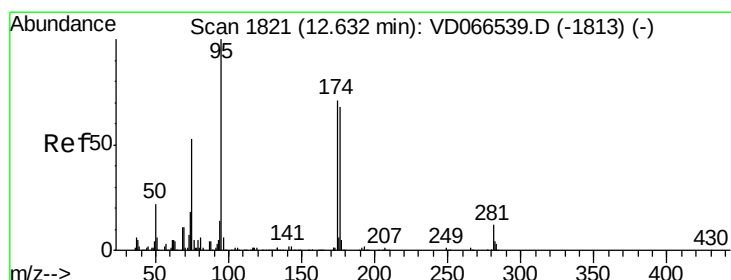
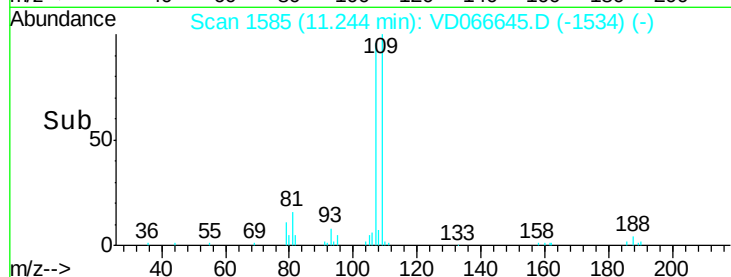
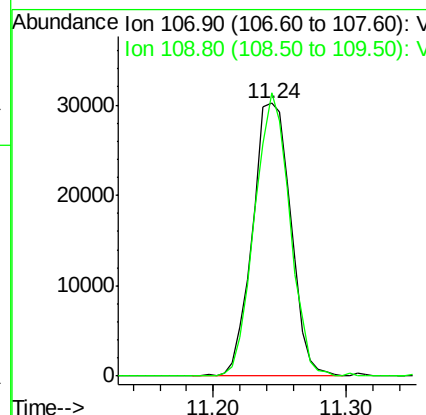
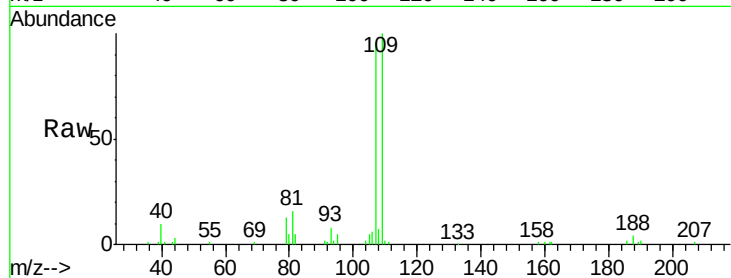
#61
 1,2-Dibromoethane
 Concen: 20.695 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066645.D
 Acq: 11 Sep 2020 13:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0911SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	74.4	111.6

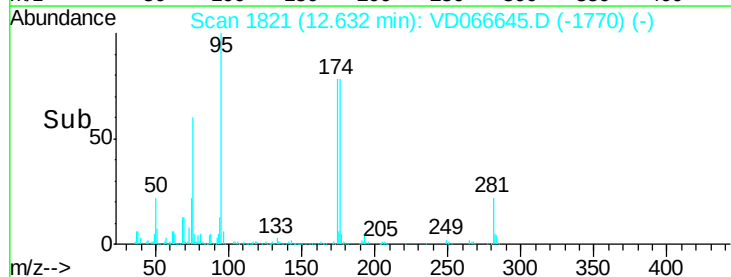
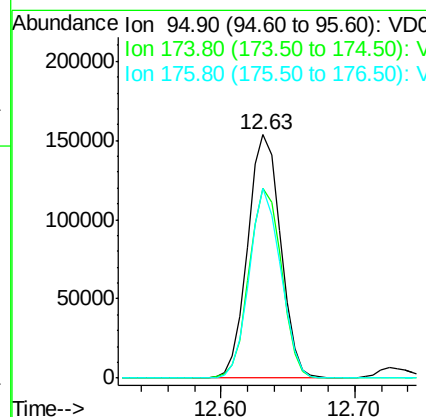
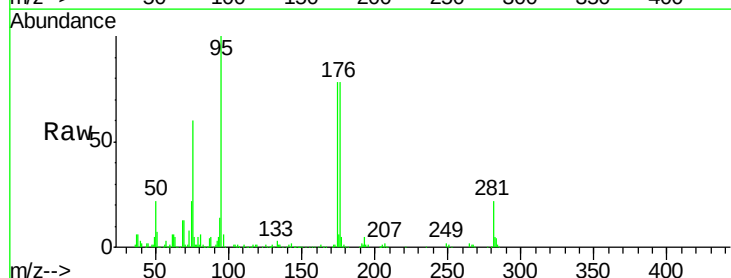
Manual Integrations
 APPROVED

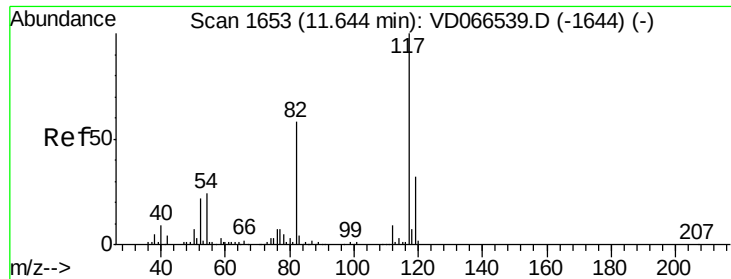
MMDadoda
 9/14/2020 12:06:40 PM



#62
 4-Bromofluorobenzene
 Concen: 56.011 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066645.D
 Acq: 11 Sep 2020 13:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.8	0.0	155.8
176	74.7	0.0	148.6





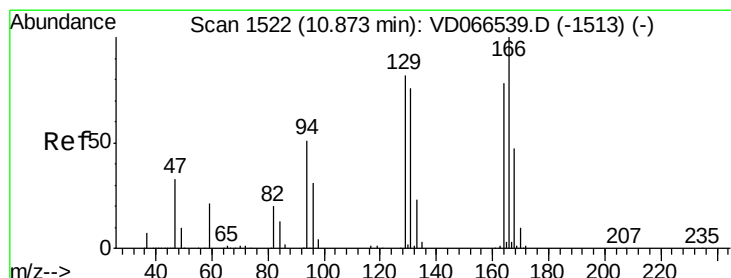
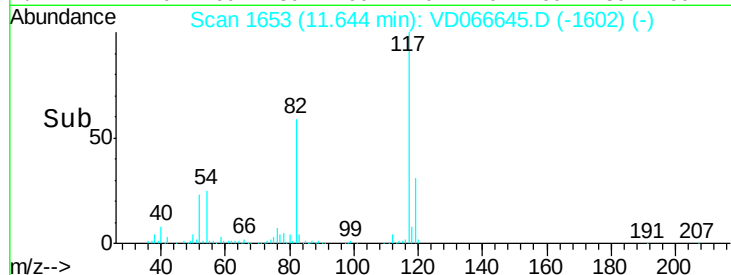
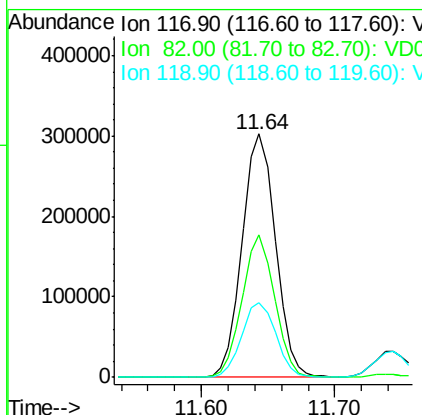
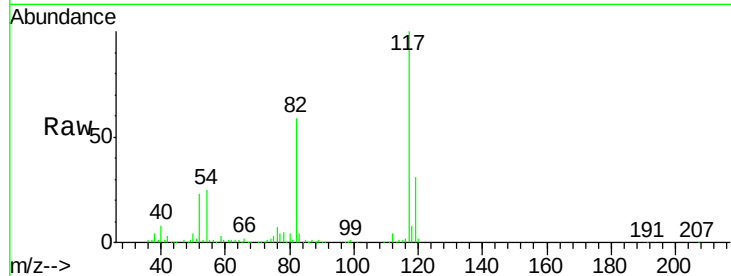
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066645.D
Acq: 11 Sep 2020 13:44

Instrument :
MSVOA_D
ClientSampleId :
VD0911SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.7	46.2	69.2
119	30.9	25.8	38.8

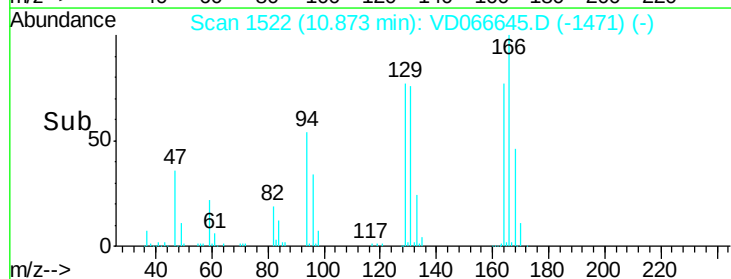
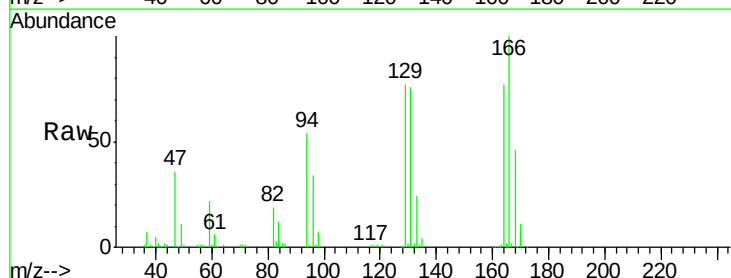
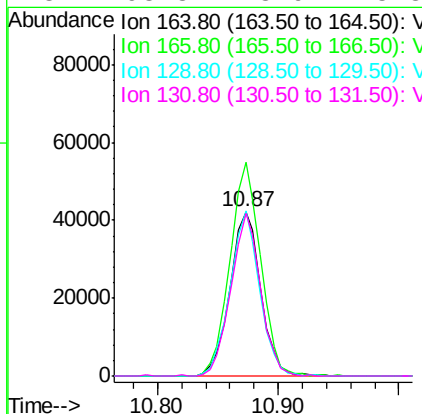
Manual Integrations
APPROVED

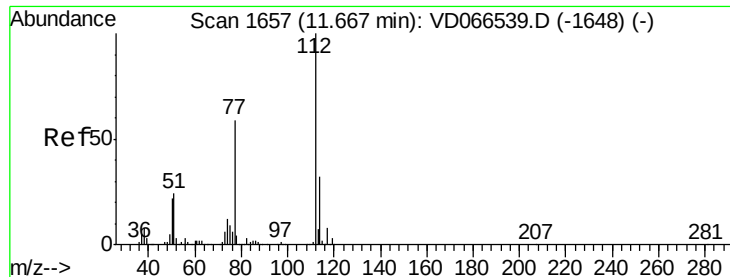
MMDadoda
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#64
Tetrachloroethene
Concen: 21.238 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066645.D
Acq: 11 Sep 2020 13:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.1	103.2	154.8
129	100.5	84.5	126.7
131	98.8	78.9	118.3





#65

Chlorobenzene

Concen: 21.454 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VD066645.D

Acq: 11 Sep 2020 13:44

Instrument :

MSVOA_D

ClientSampleId :

VD0911SBS01

Tot Ion:112 Resp: 231585

Ion Ratio Lower Upper

112 100

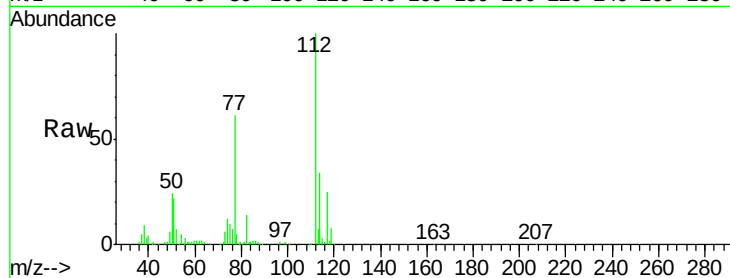
114 33.5 25.7 38.5

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.67

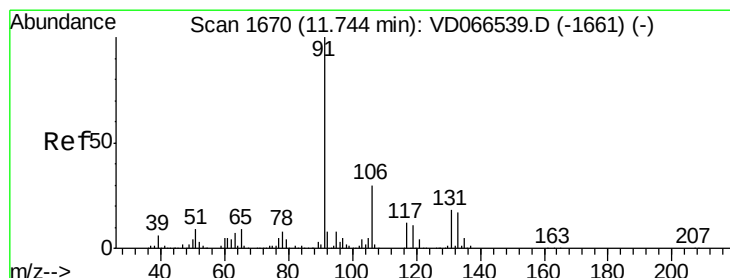
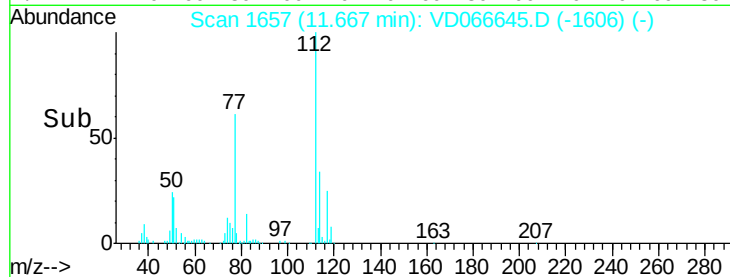
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 21.189 ug/l

RT: 11.74 min Scan# 1669

Delta R.T. -0.01 min

Lab File: VD066645.D

Acq: 11 Sep 2020 13:44

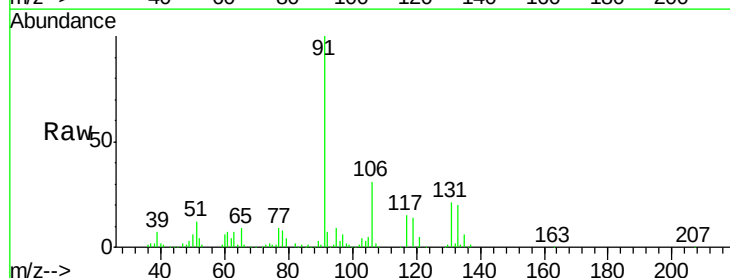
Tgt Ion:131 Resp: 87297

Ion Ratio Lower Upper

131 100

133 94.9 46.7 140.0

119 64.1 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

11.74

120000

100000

80000

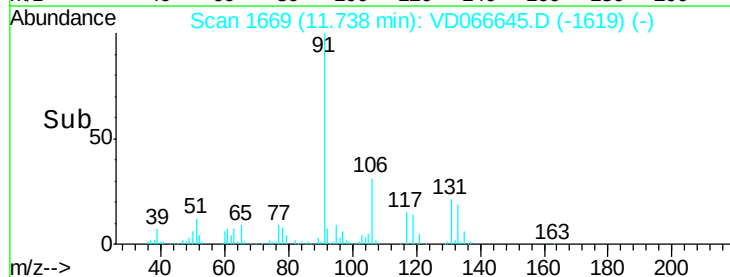
60000

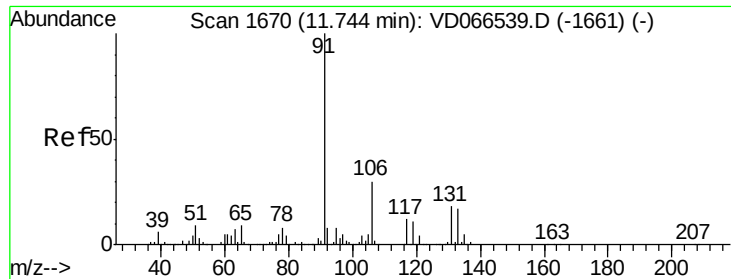
40000

20000

0

Time-->





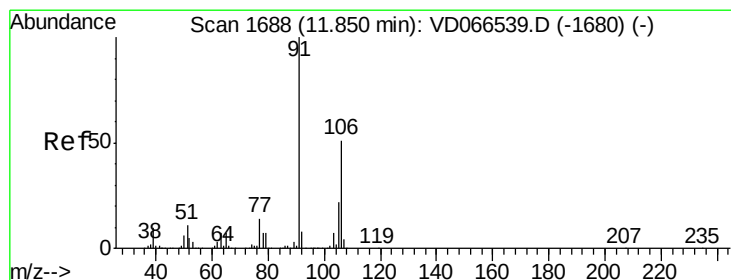
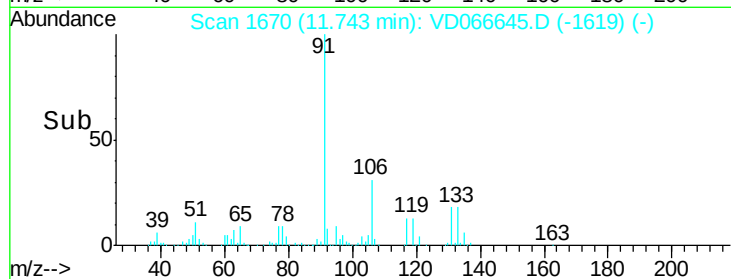
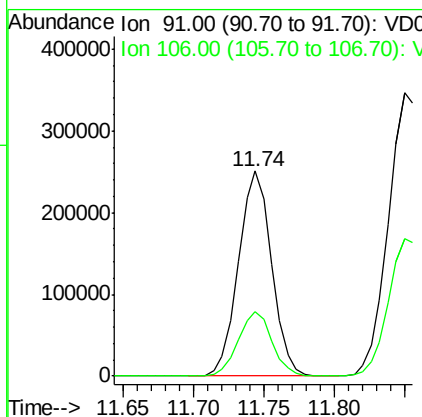
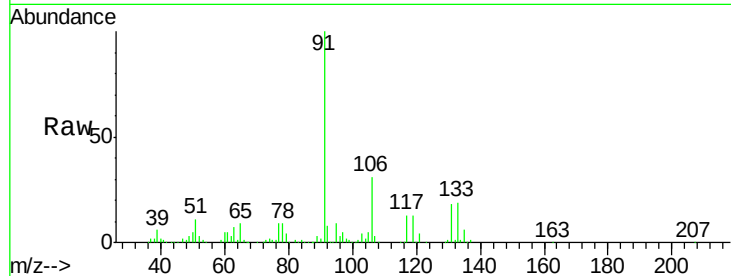
#67
Ethyl Benzene
Concen: 20.859 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066645.D
Acq: 11 Sep 2020 13:44

Instrument :
MSVOA_D
ClientSampleId :
VD0911SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.3	24.3	36.5

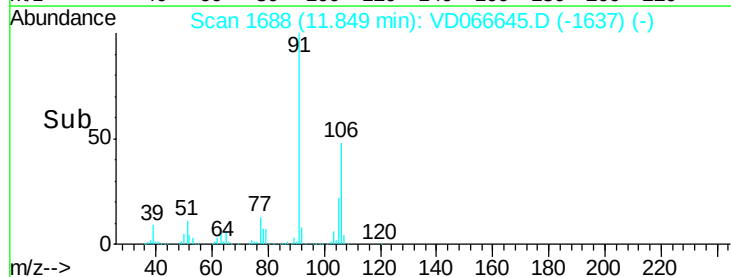
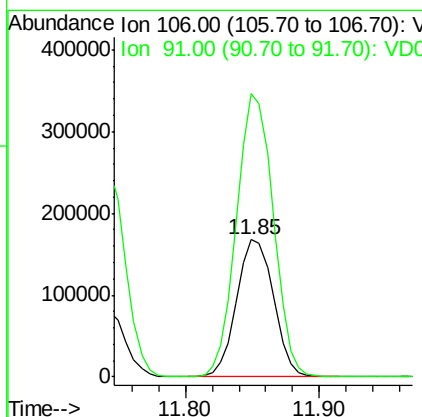
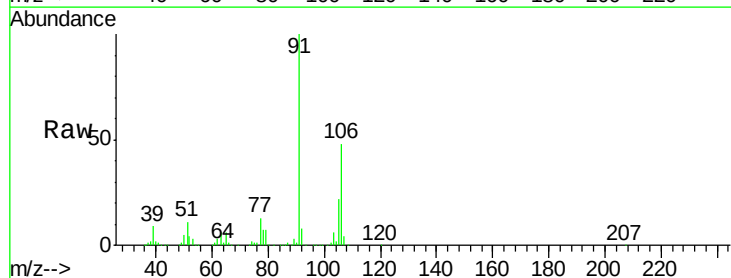
Manual Integrations
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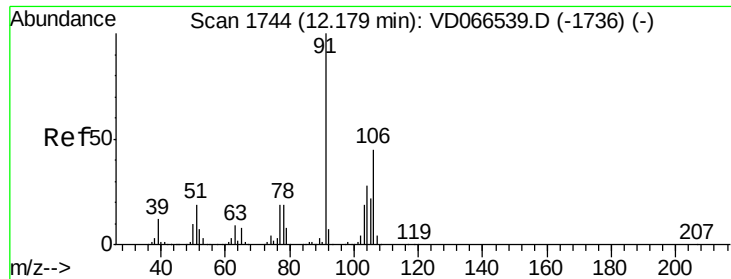
MMDadoda
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#68
m/p-Xylenes
Concen: 43.798 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VD066645.D
Acq: 11 Sep 2020 13:44

Tgt Ion	Ratio	Lower	Upper
106	100		
91	205.7	162.4	243.6





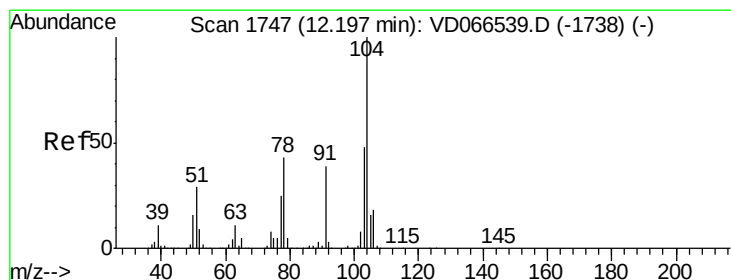
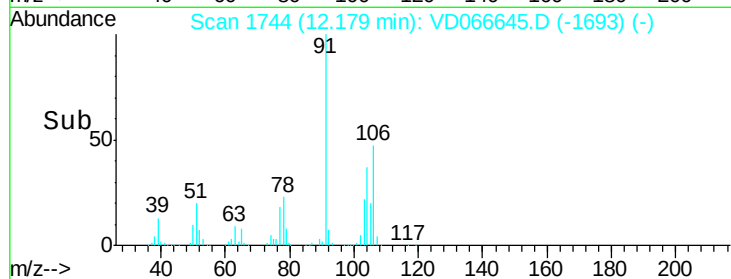
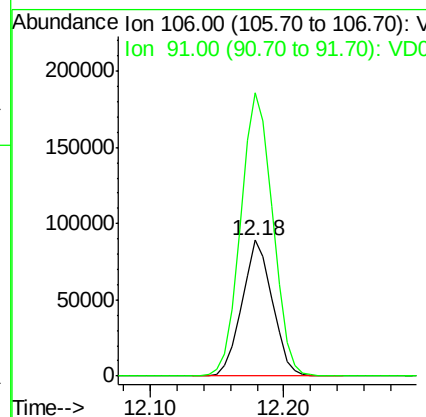
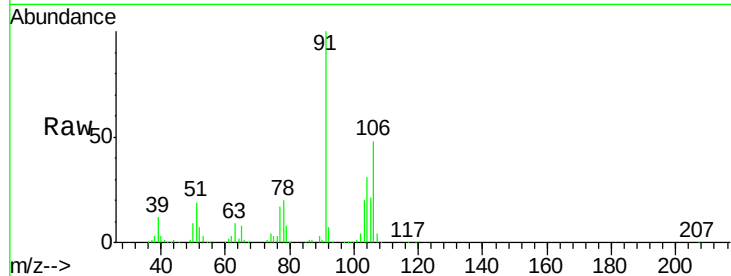
#69
o-Xylene
Concen: 21.373 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066645.D
Acq: 11 Sep 2020 13:44

Instrument :
MSVOA_D
ClientSampleId :
VD0911SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	218.6	107.9	323.8

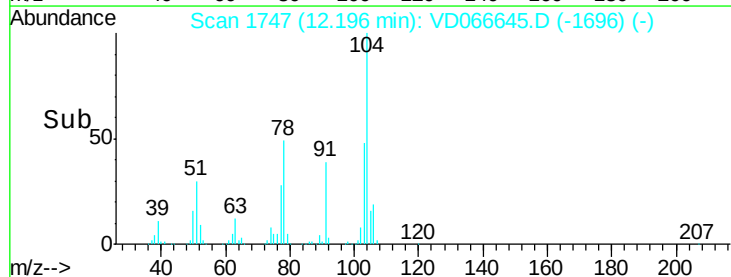
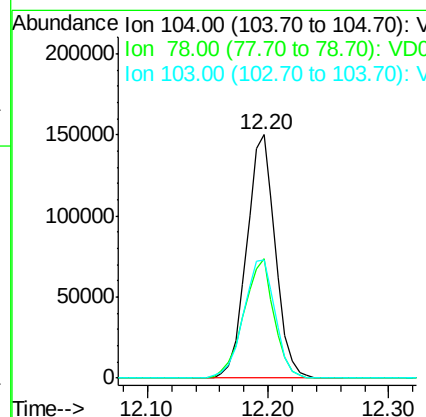
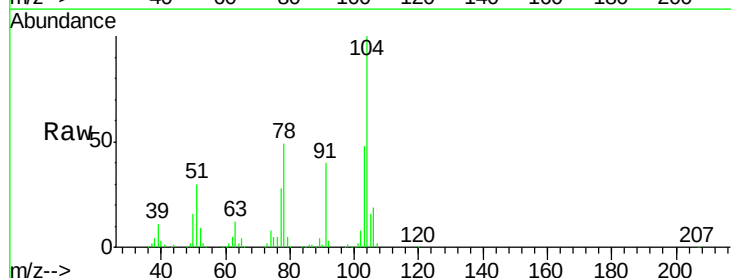
Manual Integrations
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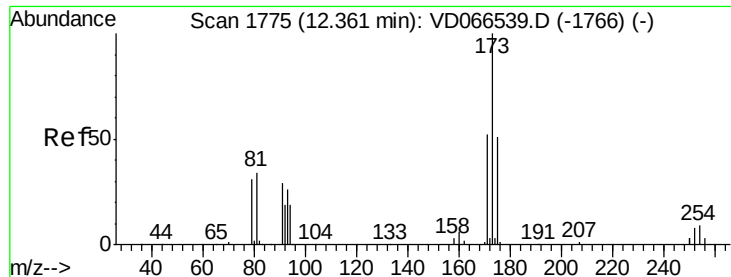
MMDadoda
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#70
Styrene
Concen: 21.592 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066645.D
Acq: 11 Sep 2020 13:44

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.8	40.7	61.1
103	53.7	42.9	64.3





#71

Bromoform

Concen: 21.180 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD066645.D

Acq: 11 Sep 2020 13:44

Instrument :

MSVOA_D

ClientSampleId :

VD0911SBSD01

Tot Ion:173 Resp: 43975

Ion Ratio Lower Upper

173 100

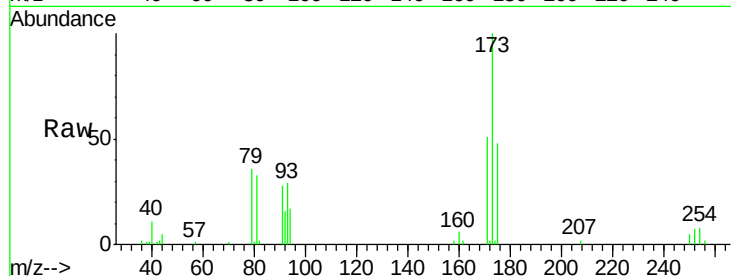
175 48.8 24.2 72.6

254 0.0 0.0 0.0

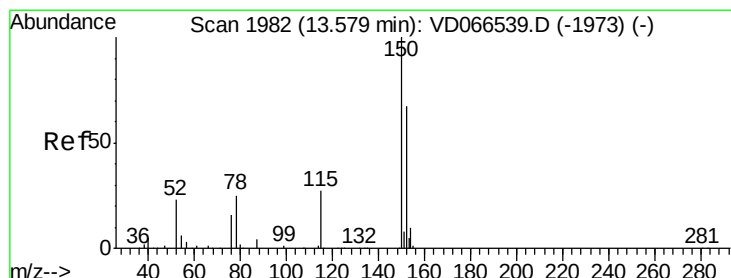
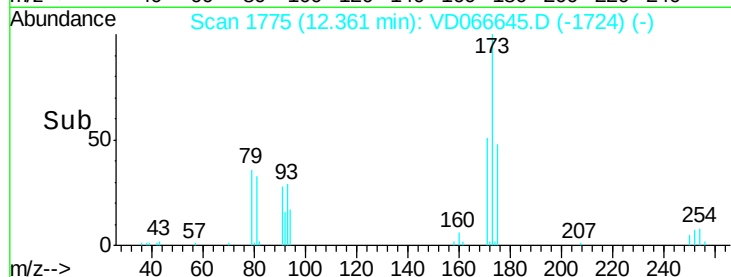
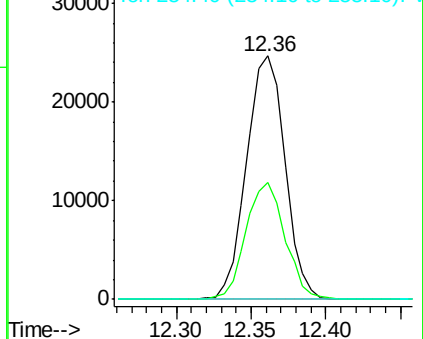
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066645.D

Acq: 11 Sep 2020 13:44

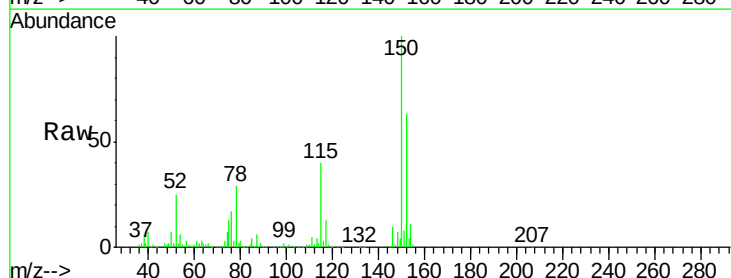
Tgt Ion:152 Resp: 248592

Ion Ratio Lower Upper

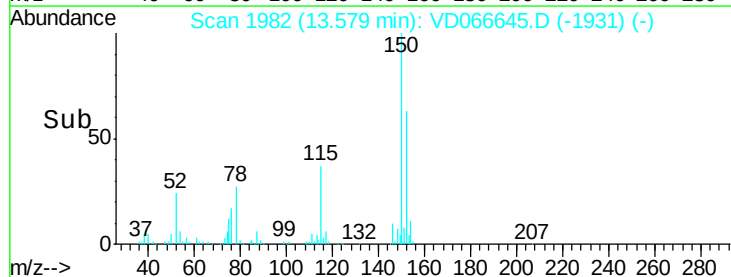
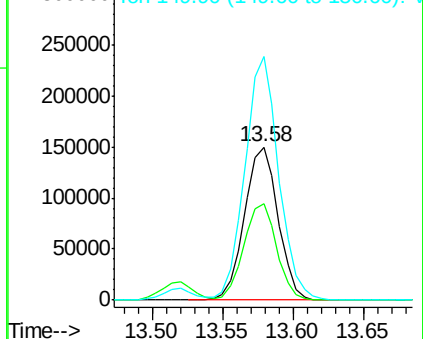
152 100

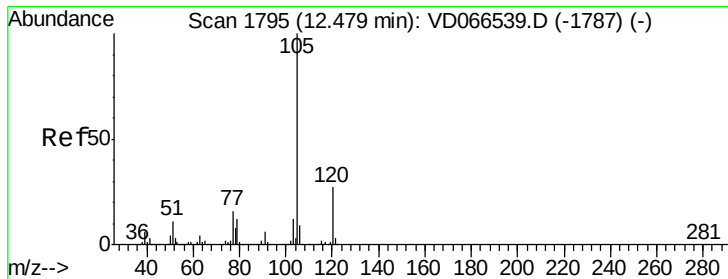
115 62.2 30.4 91.2

150 161.0 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





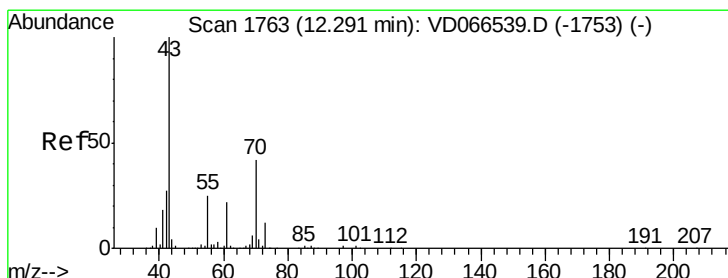
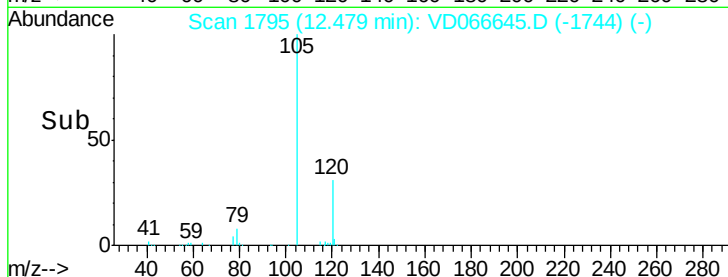
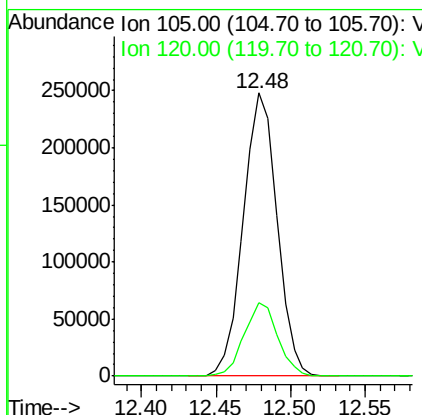
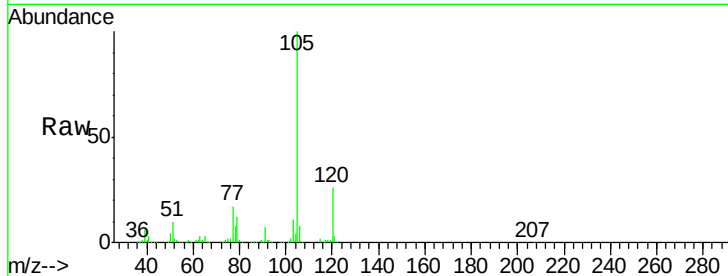
#73
Isopropylbenzene
Concen: 21.081 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VD066645.D
Acq: 11 Sep 2020 13:44

Instrument :
MSVOA_D
ClientSampleId :
VD0911SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.0	39.0

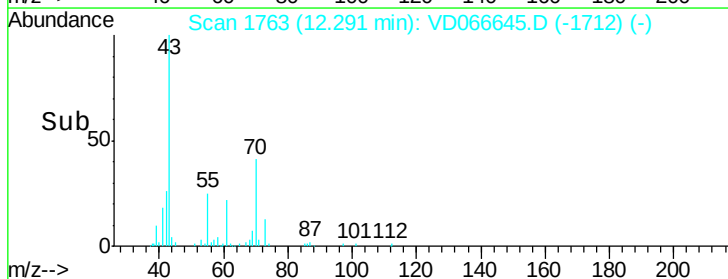
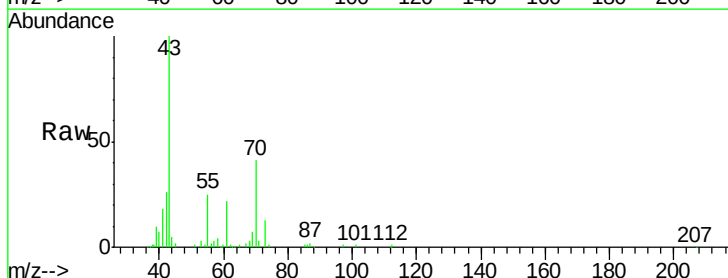
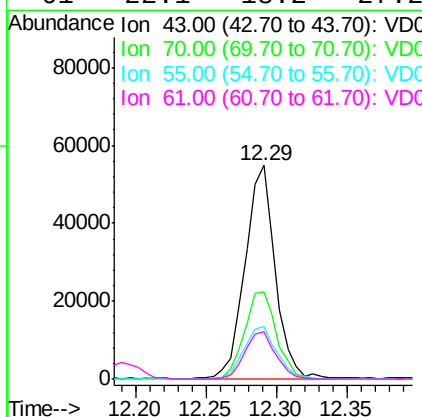
Manual Integrations
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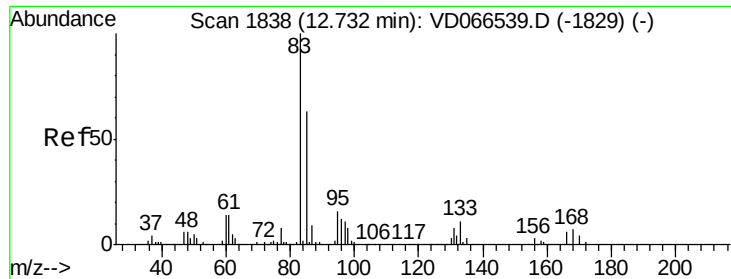
MMDadoda
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#74
N-ethyl acetate
Concen: 19.735 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VD066645.D
Acq: 11 Sep 2020 13:44

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.3	33.4	50.2
55	26.9	20.1	30.1
61	22.1	18.2	27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.584 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066645.D

Acq: 11 Sep 2020 13:44

Instrument :

MSVOA_D

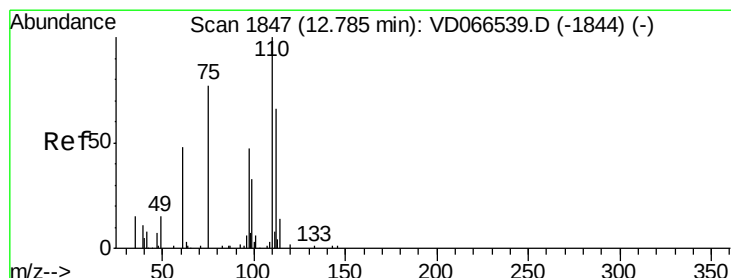
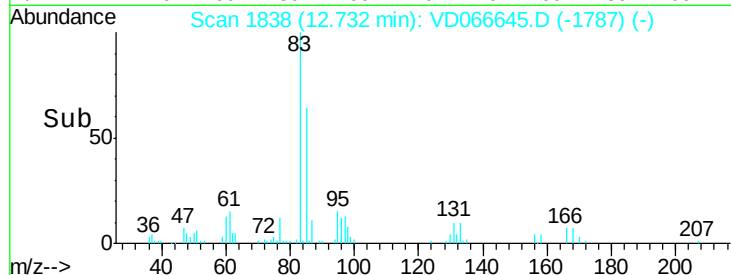
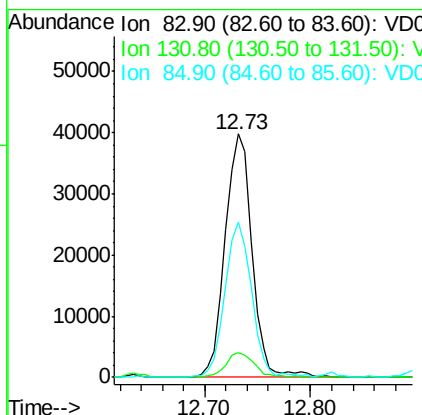
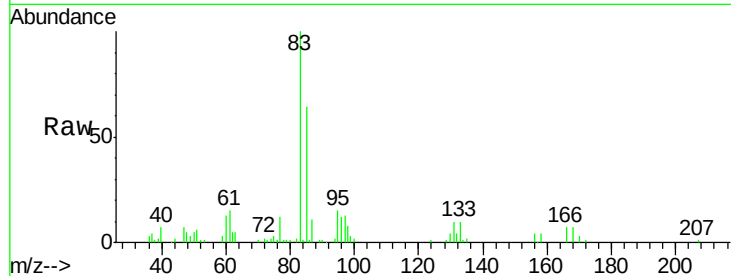
ClientSampleId :

VD0911SBS01

Tot Ion:	83	Resp:	70184
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.0	15.0
85	63.7	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.822 ug/l m

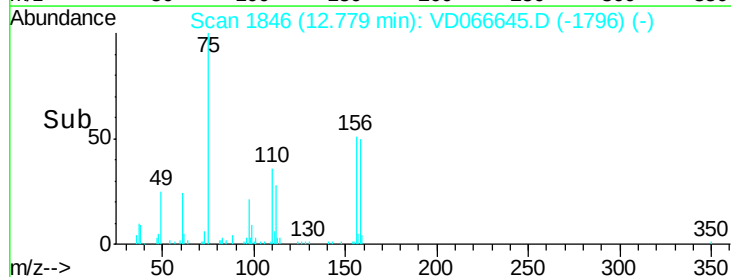
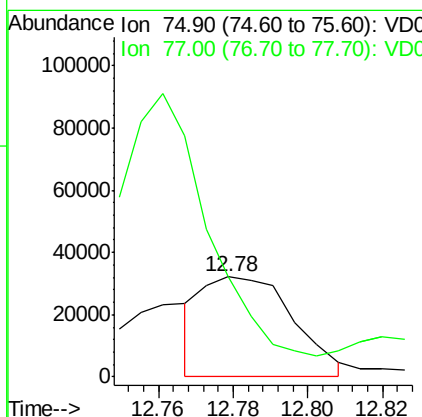
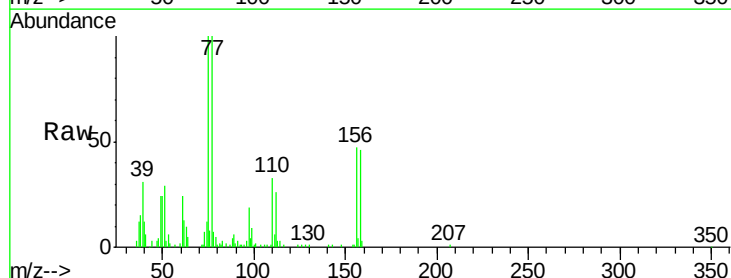
RT: 12.78 min Scan# 1846

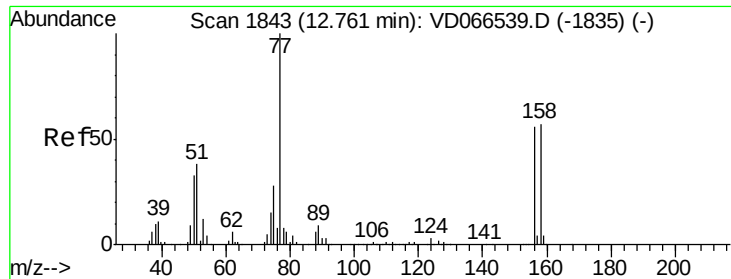
Delta R.T. -0.01 min

Lab File: VD066645.D

Acq: 11 Sep 2020 13:44

Tgt Ion:	75	Resp:	54563
Ion Ratio	Lower	Upper	
75	100		
77	312.6	0.0	0.0#





#77

Bromobenzene

Concen: 21.632 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD066645.D

Acq: 11 Sep 2020 13:44

Instrument :

MSVOA_D

ClientSampleId :

VD0911SBS01

Tot Ion:156 Resp: 88763

Ion Ratio Lower Upper

156 100

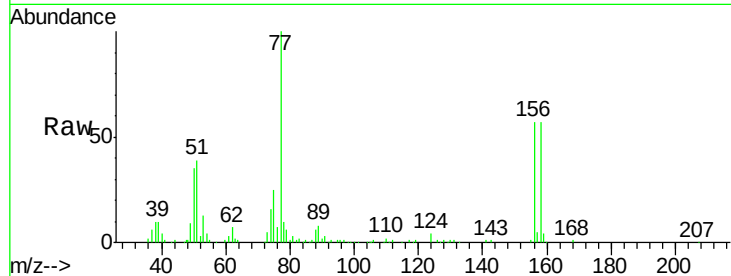
77 192.1 98.0 294.1

158 98.1 48.1 144.3

Manual Integrations
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MMDadoda

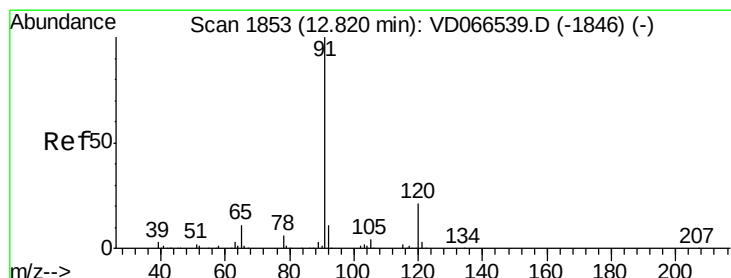
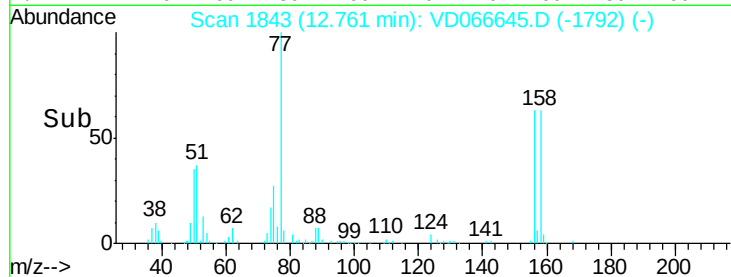
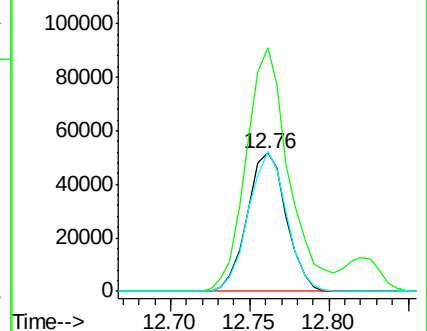
9/14/2020 12:06:40 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.598 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD066645.D

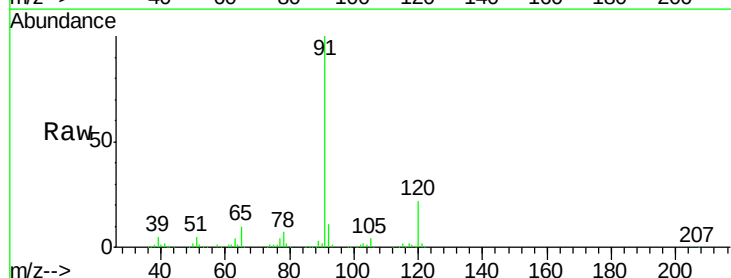
Acq: 11 Sep 2020 13:44

Tgt Ion: 91 Resp: 481896

Ion Ratio Lower Upper

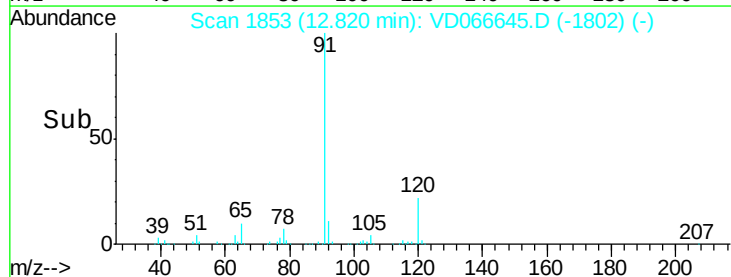
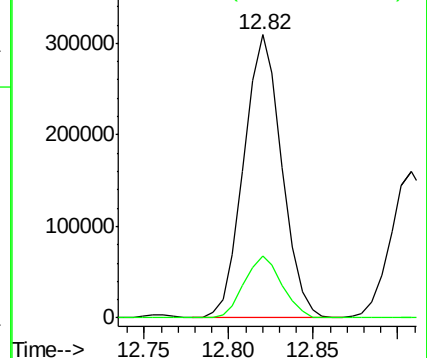
91 100

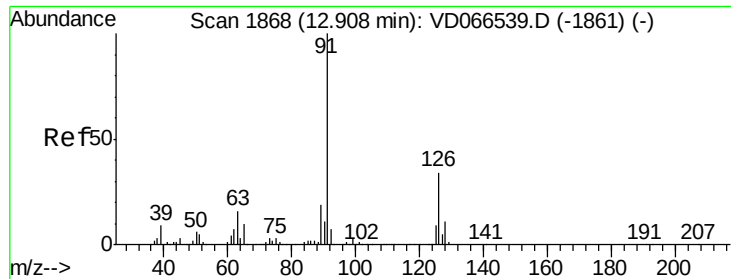
120 21.7 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





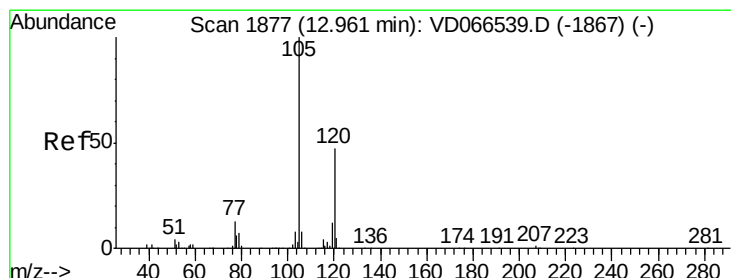
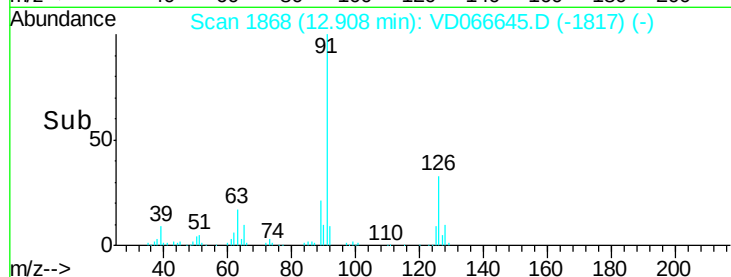
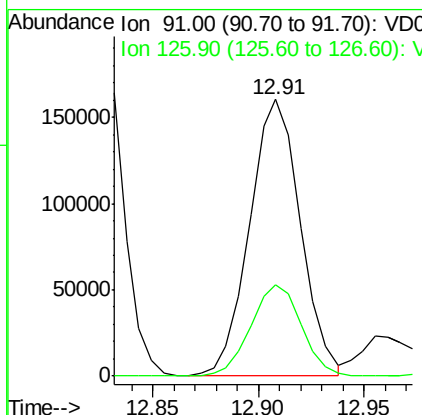
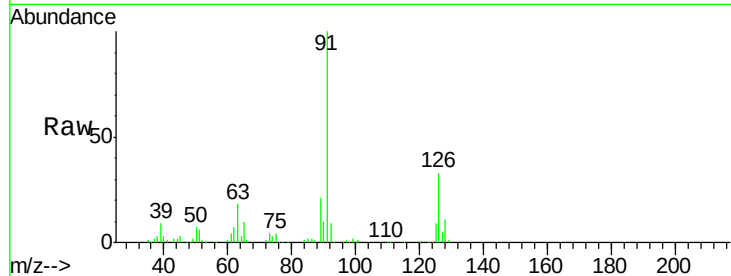
#79
2-Chlorotoluene
Concen: 21.369 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VD066645.D
Acq: 11 Sep 2020 13:44

Instrument :
MSVOA_D
ClientSampleId :
VD0911SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.4	49.4

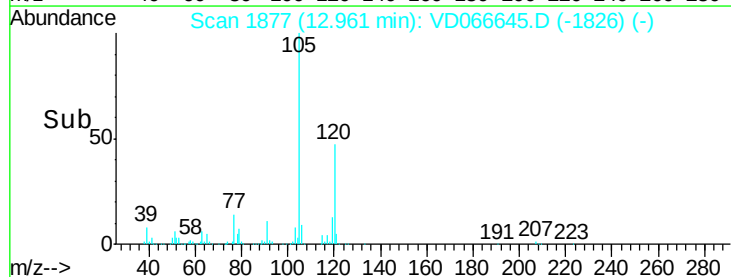
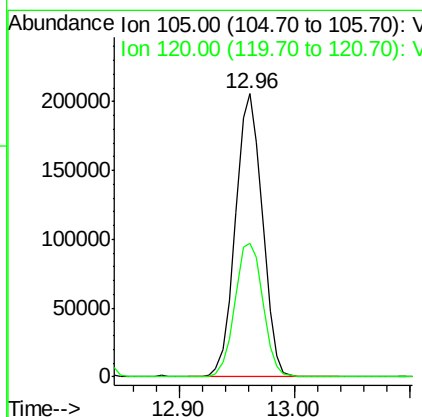
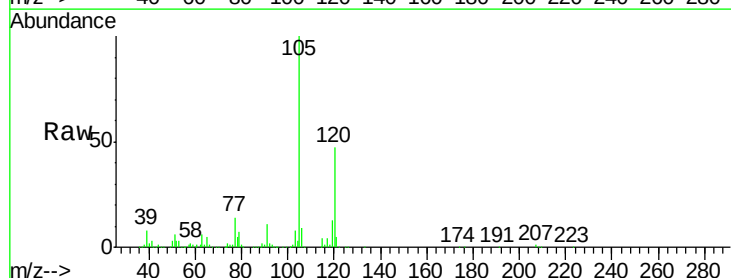
Manual Integrations
APPROVED

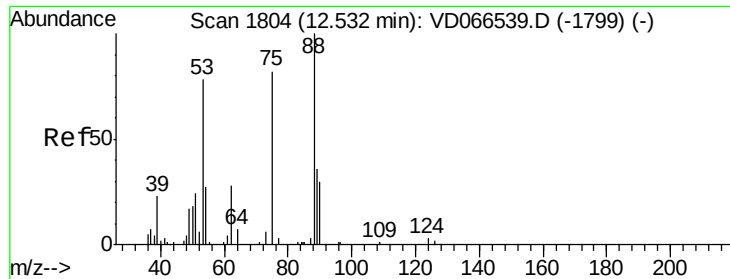
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 21.406 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VD066645.D
Acq: 11 Sep 2020 13:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.2	23.9	71.8





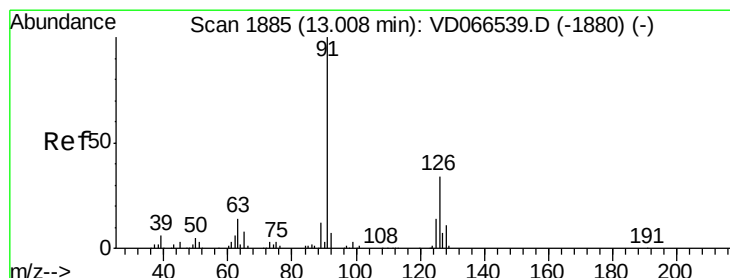
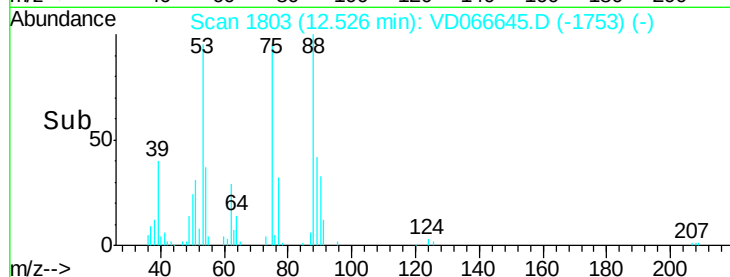
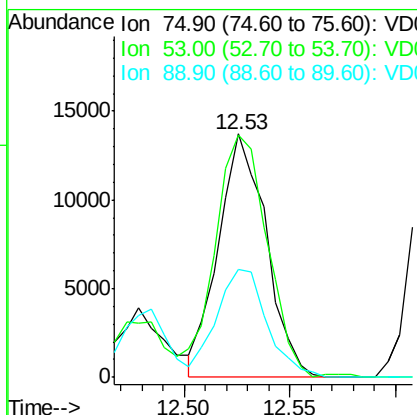
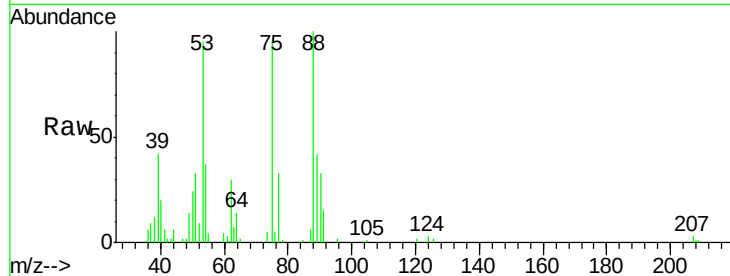
#81
trans-1,4-Dichloro-2-butene
Concen: 21.085 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD066645.D
Acq: 11 Sep 2020 13:44

Instrument :
MSVOA_D
ClientSampleId :
VD0911SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.2	87.0	130.4
89	46.9	37.1	55.7

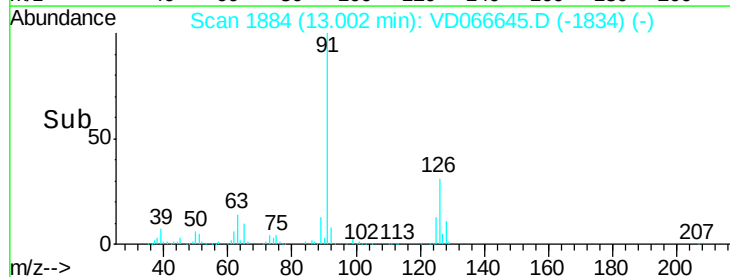
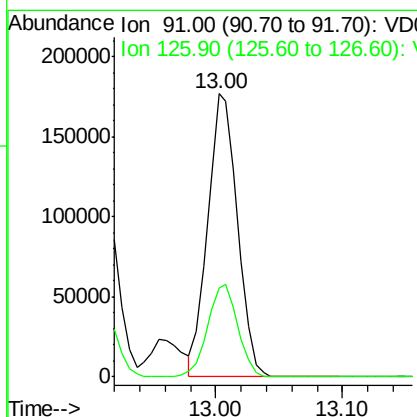
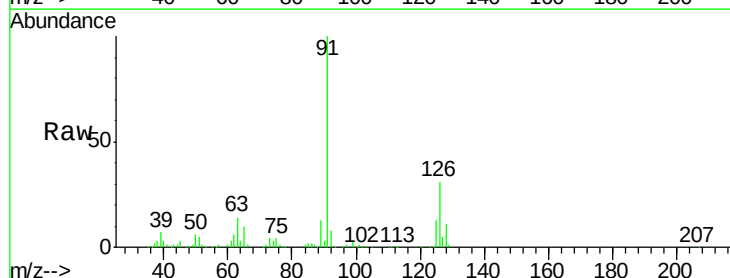
Manual Integrations
APPROVED

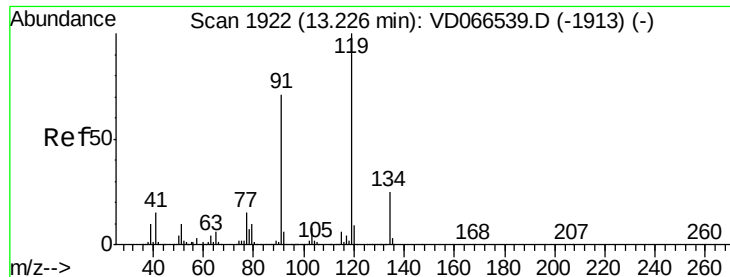
MMDadoda
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#82
4-Chlorotoluene
Concen: 21.560 ug/l
RT: 13.00 min Scan# 1884
Delta R.T. -0.01 min
Lab File: VD066645.D
Acq: 11 Sep 2020 13:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.4	49.1





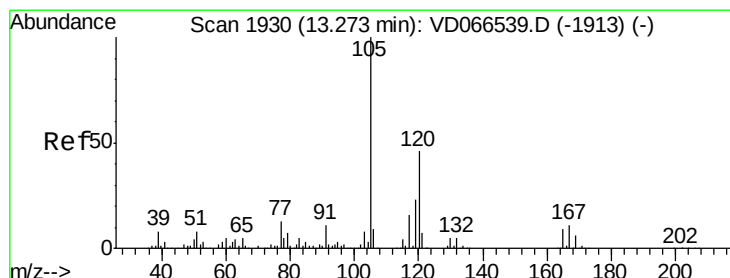
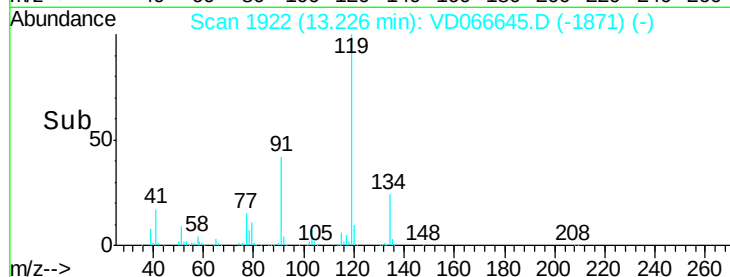
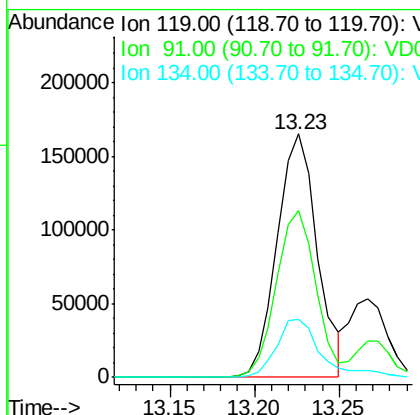
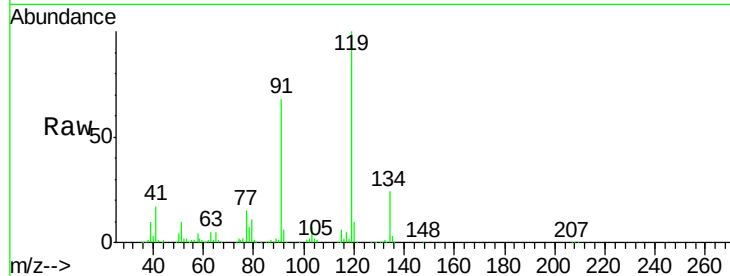
#83
 tert-Butylbenzene
 Concen: 21.526 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD066645.D
 Acq: 11 Sep 2020 13:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0911SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.1	35.2	105.6
134	26.4	13.5	40.5

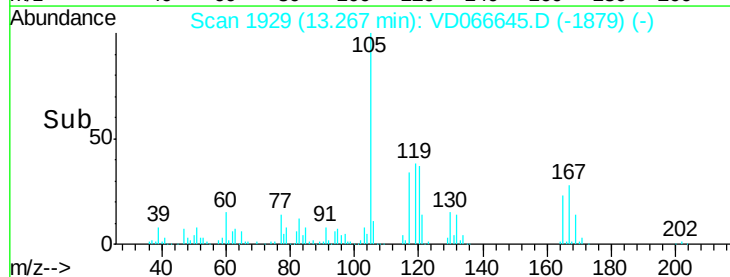
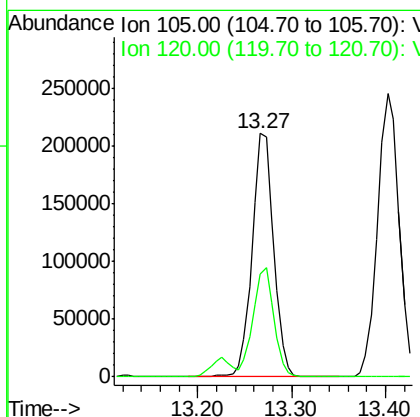
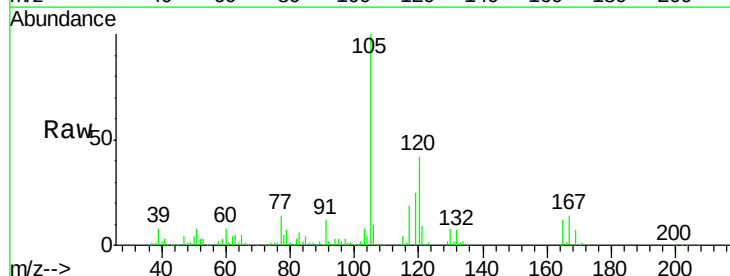
Manual Integrations
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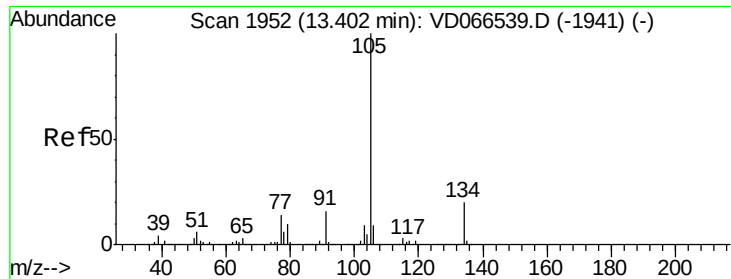
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 9/14/2020 12:06:40 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.776 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: VD066645.D
 Acq: 11 Sep 2020 13:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.3	22.6	67.7





#85

sec-Butylbenzene

Concen: 21.341 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066645.D

Acq: 11 Sep 2020 13:44

Instrument :

MSVOA_D

ClientSampleId :

VD0911SBS01

Tot Ion:105 Resp: 388952

Ion Ratio Lower Upper

105 100

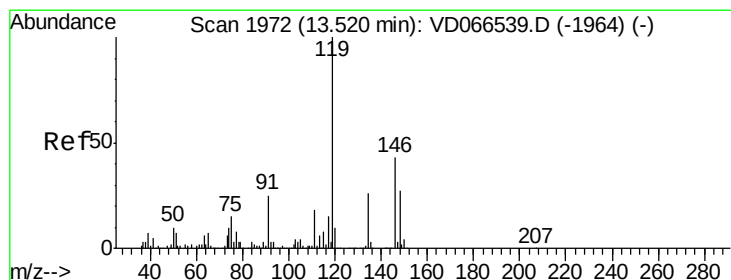
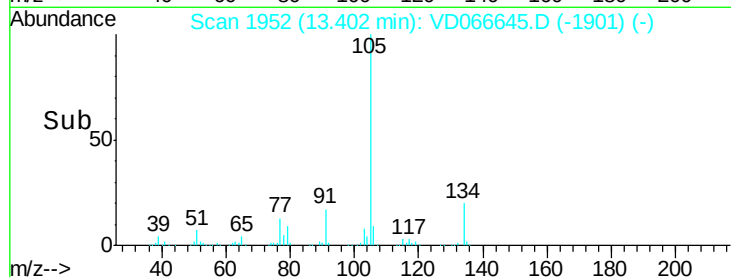
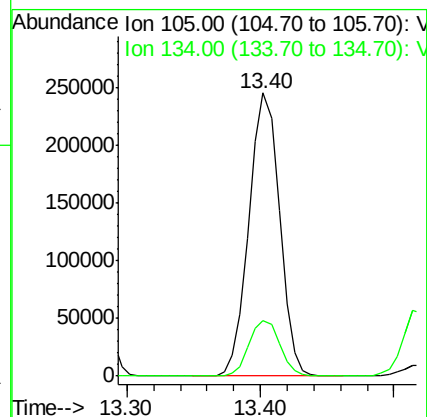
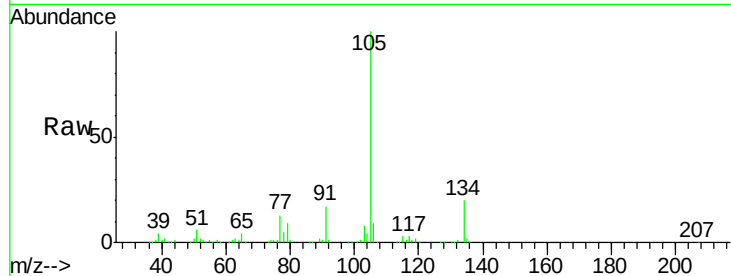
134 19.9 9.8 29.5

Manual Integrations

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MMDadoda

9/14/2020 12:06:40 PM



#86

p-Isopropyltoluene

Concen: 21.558 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066645.D

Acq: 11 Sep 2020 13:44

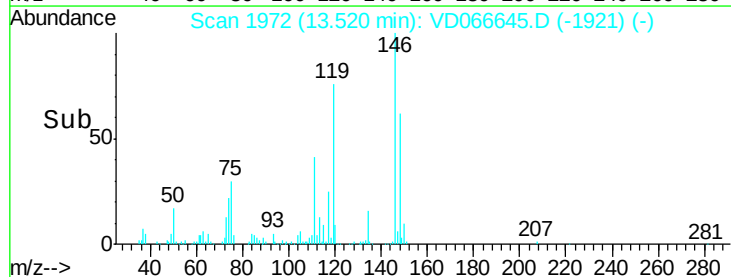
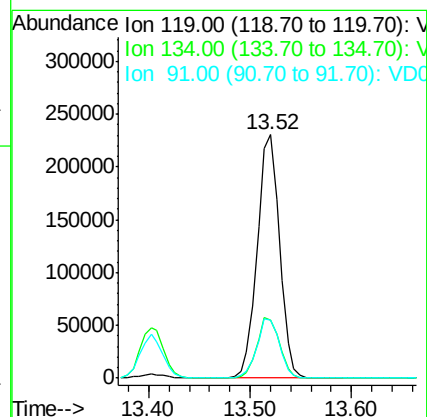
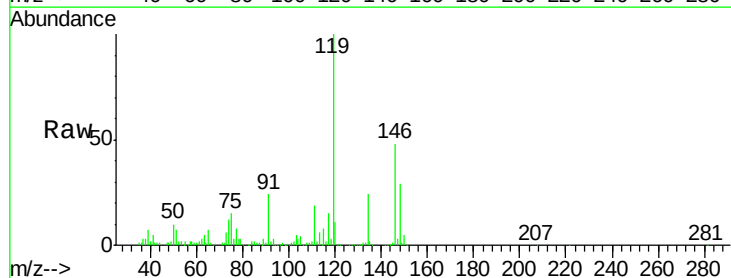
Tgt Ion:119 Resp: 353650

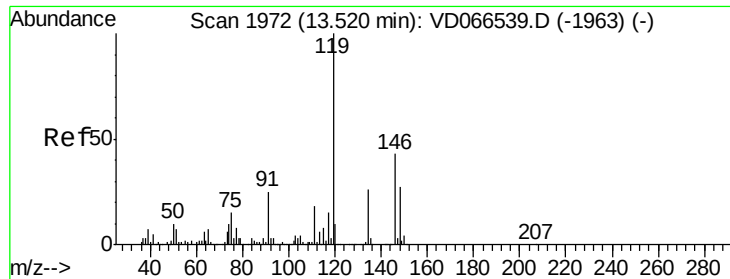
Ion Ratio Lower Upper

119 100

134 25.3 12.7 38.0

91 24.8 12.5 37.5





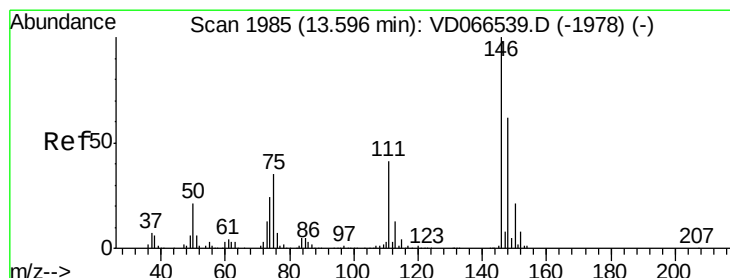
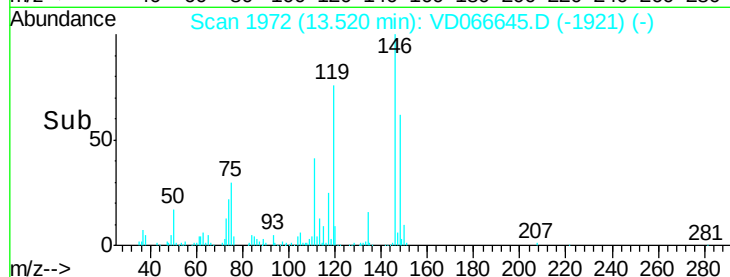
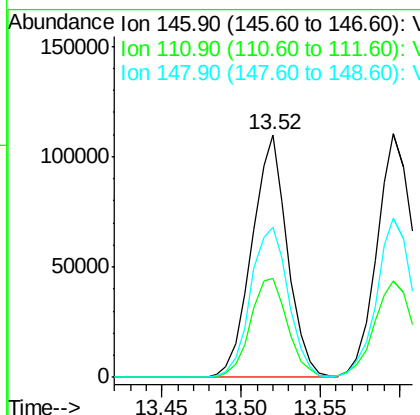
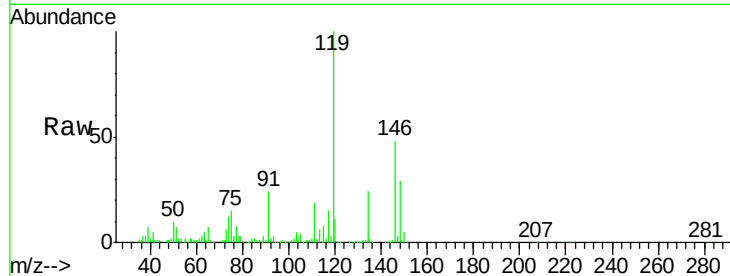
#87
 1,3-Dichlorobenzene
 Concen: 21.037 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066645.D
 Acq: 11 Sep 2020 13:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0911SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	171374		
111	42.9	20.6	61.9	
148	65.7	32.1	96.3	

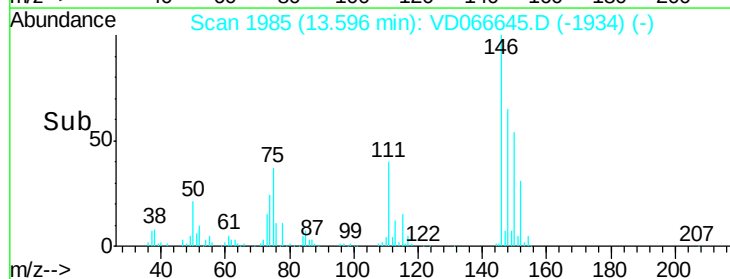
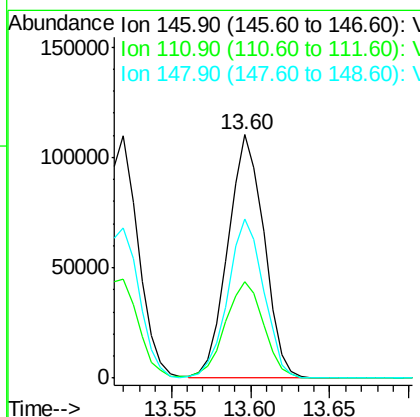
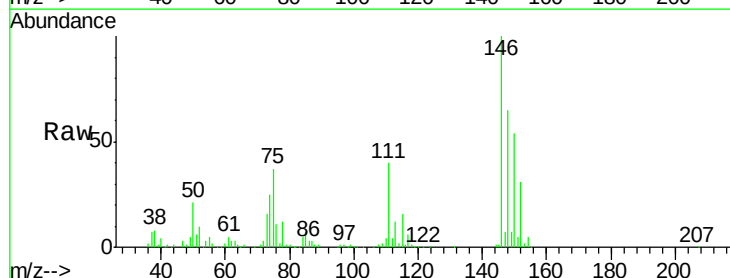
Manual Integrations
 APPROVED

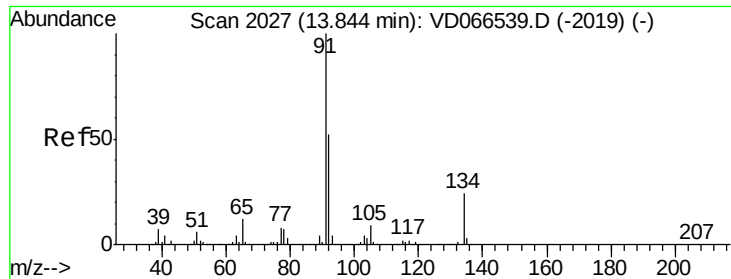
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#88
 1,4-Dichlorobenzene
 Concen: 21.367 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD066645.D
 Acq: 11 Sep 2020 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	174701		
111	42.1	20.1	60.2	
148	65.1	31.6	94.8	





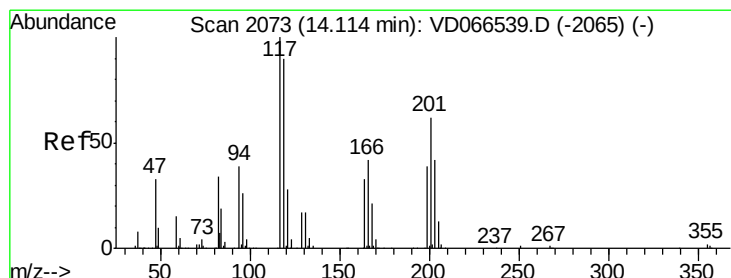
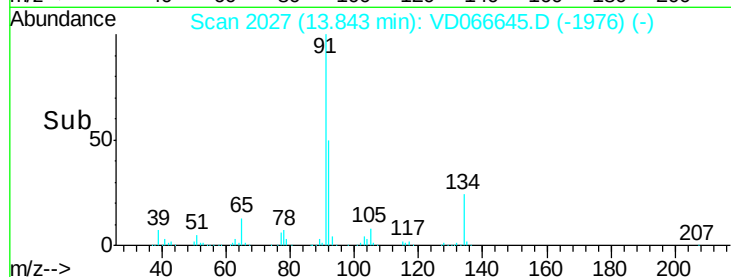
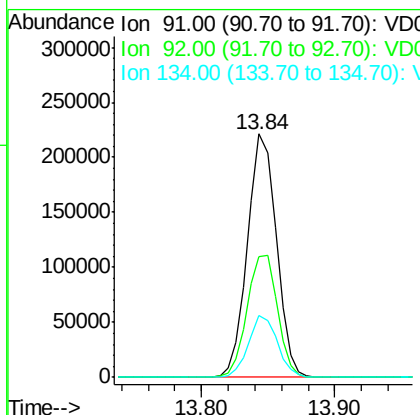
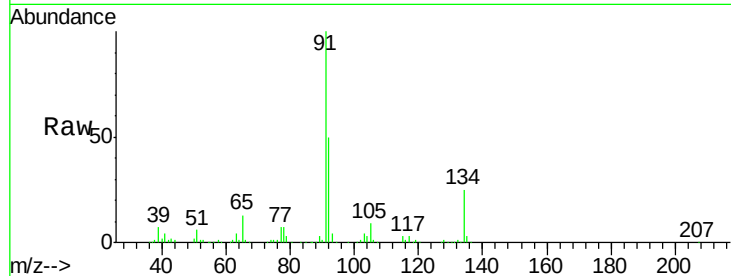
#89
n-Butylbenzene
Concen: 20.674 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD066645.D
Acq: 11 Sep 2020 13:44

Instrument :
MSVOA_D
ClientSampleId :
VD0911SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	330490		
92	52.8	26.5	79.5	
134	25.2	12.1	36.3	

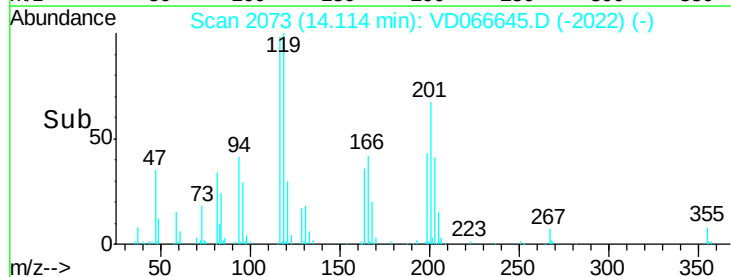
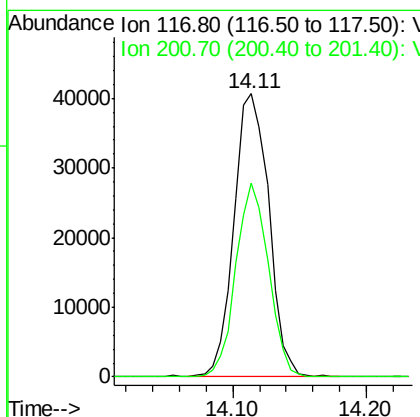
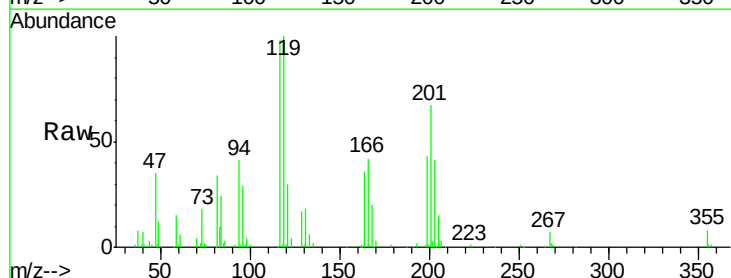
Manual Integrations
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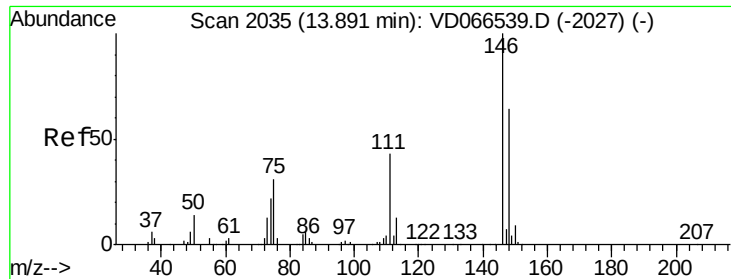
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#90
Hexachloroethane
Concen: 20.821 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066645.D
Acq: 11 Sep 2020 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	73594		
201	64.0	31.9	95.5	





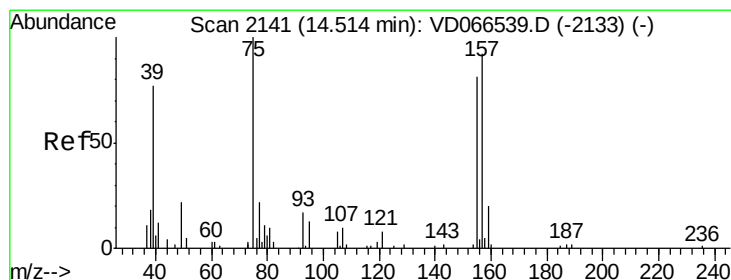
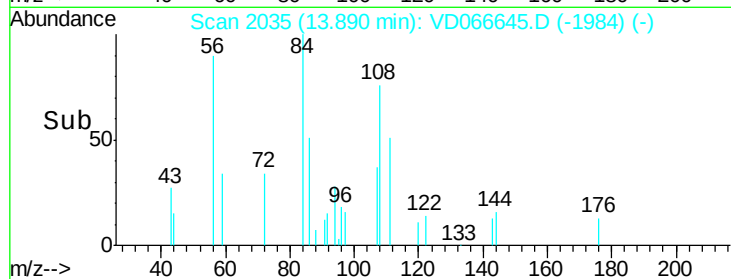
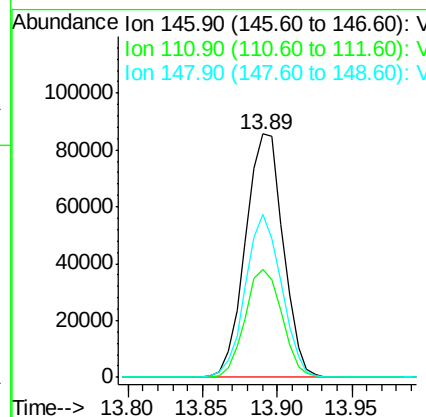
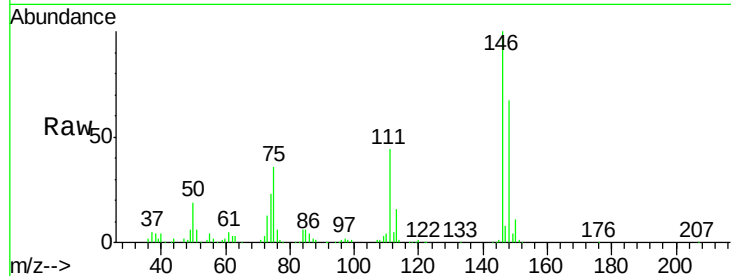
#91
 1,2-Dichlorobenzene
 Concen: 21.014 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD066645.D
 Acq: 11 Sep 2020 13:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0911SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.1	63.4
148	63.9	31.8	95.3

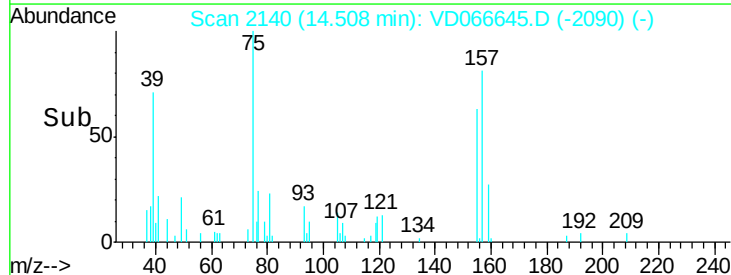
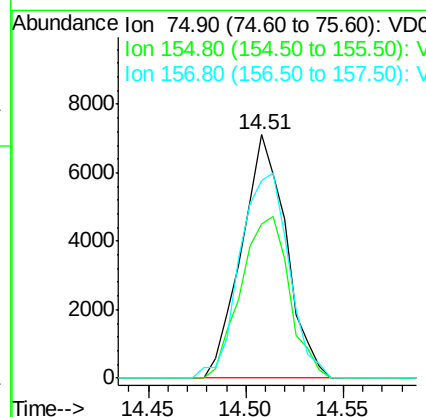
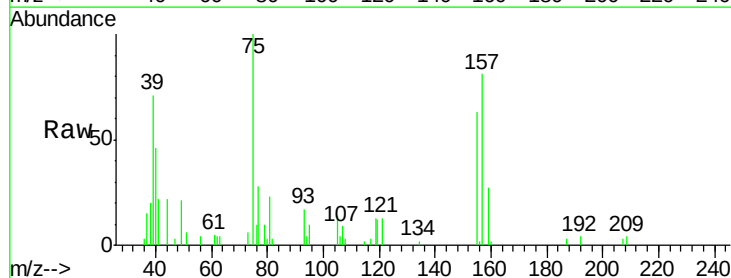
Manual Integrations
 APPROVED

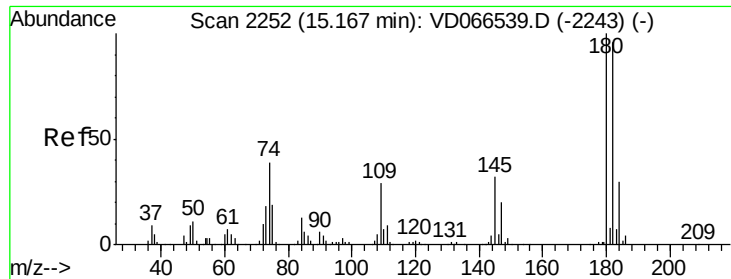
MMDadoda
 9/14/2020 12:06:40 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.371 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066645.D
 Acq: 11 Sep 2020 13:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.9	39.3	117.8
157	92.5	46.0	137.8





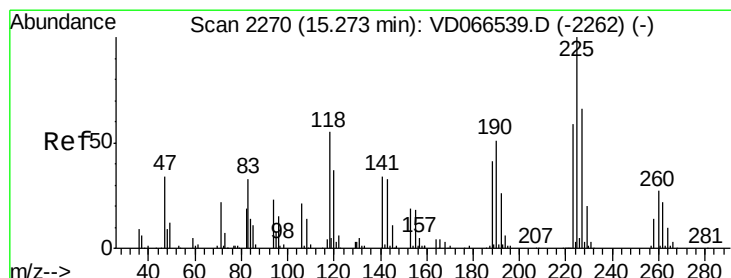
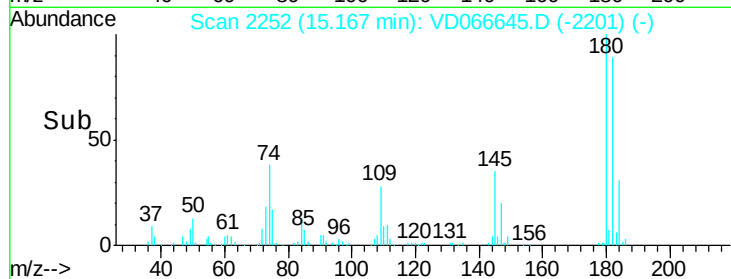
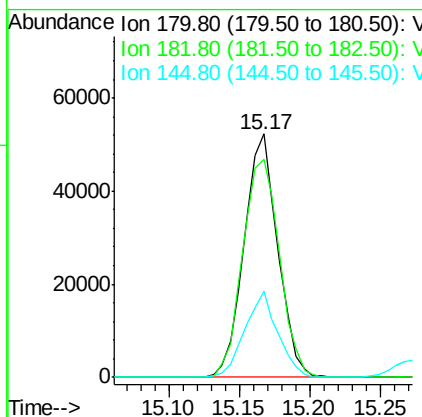
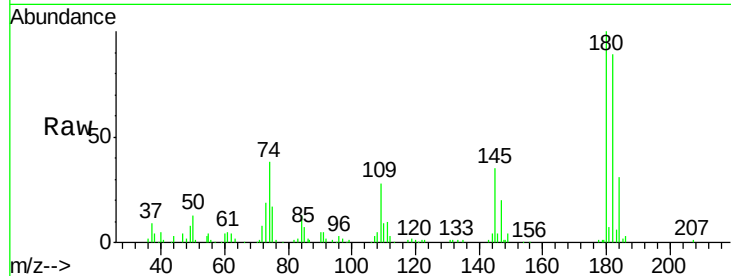
#93
 1,2,4-Trichlorobenzene
 Concen: 20.470 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066645.D
 Acq: 11 Sep 2020 13:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0911SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.1	48.4	145.0
145	34.3	16.7	50.0

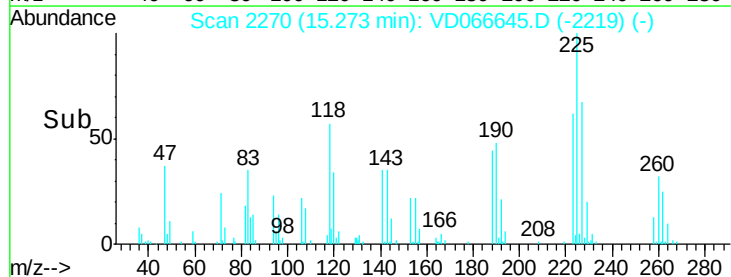
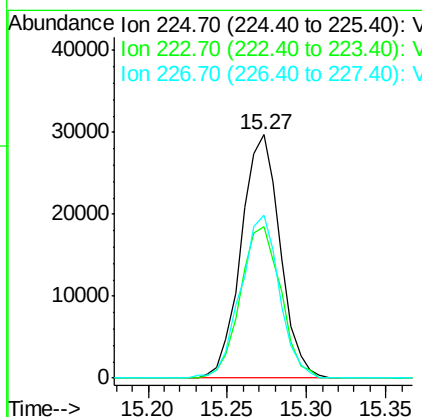
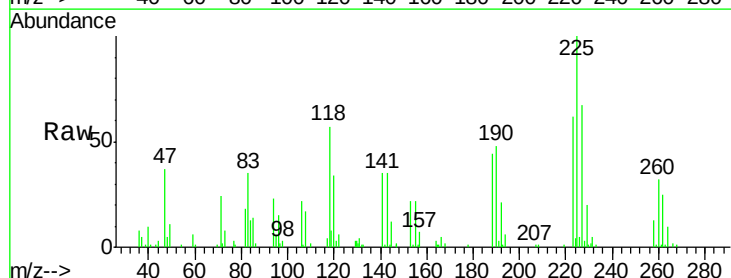
Manual Integrations
 APPROVED

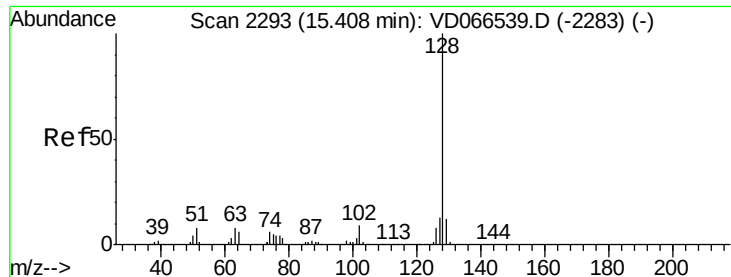
MMDadoda
 9/14/2020 12:06:40 PM



#94
 Hexachlorobutadiene
 Concen: 19.776 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066645.D
 Acq: 11 Sep 2020 13:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	30.5	91.5
227	66.2	32.4	97.2





#95

Naphthalene

Concen: 20.766 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD066645.D

Acq: 11 Sep 2020 13:44

Instrument :

MSVOA_D

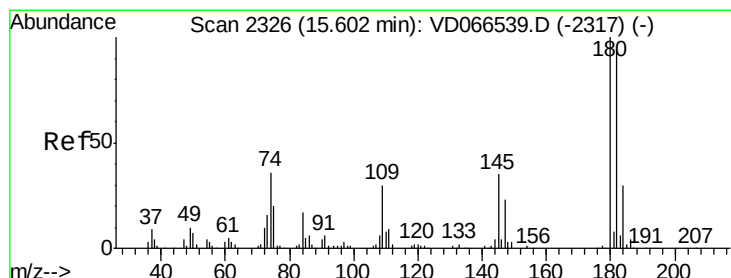
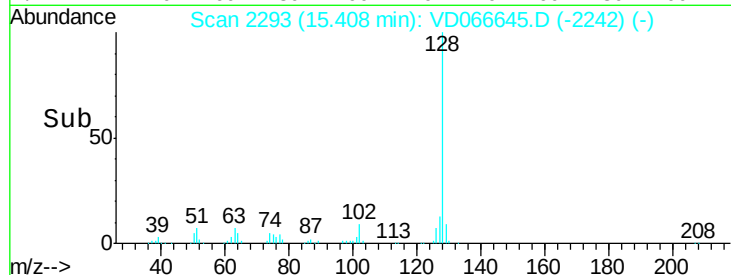
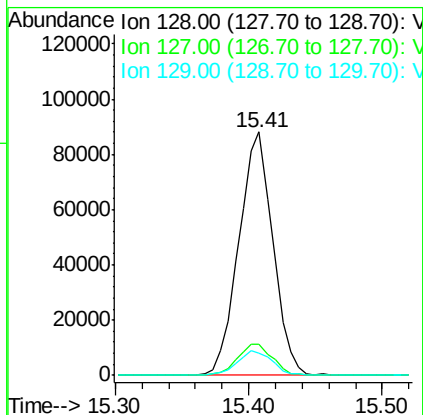
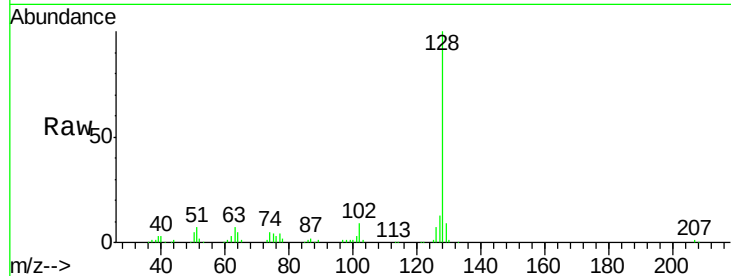
ClientSampleId :

VD0911SBS01

Tot Ion:	128	Resp:	155064
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.7	16.1
129	10.2	9.1	13.7

Manual Integrations
APPROVED

MMDadoda
9/14/2020 12:06:40 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.532 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VD066645.D

Acq: 11 Sep 2020 13:44

Tgt Ion:	180	Resp:	78445
Ion Ratio	Lower	Upper	
180	100		
182	94.1	47.9	143.6
145	33.0	17.3	51.7

