

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100120\
 Data File : VD066989.D
 Acq On : 01 Oct 2020 13:14
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 10/2/2020 3:13:23 PM

Quant Time: Oct 01 15:10:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:02:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	512768	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	777906	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	702808	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	331544	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	441217	89.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	178.66%	
35) Dibromofluoromethane	7.91	113	475962	93.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	186.92%	
50) Toluene-d8	10.34	98	1758697	94.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	189.54%	
62) 4-Bromofluorobenzene	12.63	95	601638	95.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	191.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.98	85	380699	81.766	ug/l	96
3) Chloromethane	2.21	50	339639	83.172	ug/l	97
4) Vinyl Chloride	2.35	62	361635	88.320	ug/l	98
5) Bromomethane	2.76	94	247299	82.862	ug/l	96
6) Chloroethane	2.92	64	214118	85.867	ug/l	94
7) Trichlorofluoromethane	3.27	101	776451	85.351	ug/l	96
8) Diethyl Ether	3.71	74	208351	92.358	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	448185	87.164	ug/l	99
10) Methyl Iodide	4.30	142	524353	104.952	ug/l	98
11) Tert butyl alcohol	5.22	59	119400	283.995	ug/l	98
12) 1,1-Dichloroethene	4.07	96	424533	87.828	ug/l	99
13) Acrolein	3.92	56	145608	440.287	ug/l	99
14) Allyl chloride	4.71	41	590484	94.034	ug/l	99
15) Acrylonitrile	5.42	53	367496	442.620	ug/l	99
16) Acetone	4.16	43	315363	418.289	ug/l	96
17) Carbon Disulfide	4.41	76	1338498	90.229	ug/l	99
18) Methyl Acetate	4.72	43	169154	89.268	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	824690	93.459	ug/l	95
20) Methylene Chloride	4.97	84	475393	69.172	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	498061	90.540	ug/l	97
22) Diisopropyl ether	6.36	45	1043461	91.020	ug/l	99
23) Vinyl Acetate	6.30	43	3175387	488.804	ug/l	99
24) 1,1-Dichloroethane	6.27	63	778111	87.949	ug/l	99
25) 2-Butanone	7.21	43	456391	426.970	ug/l	98
26) 2,2-Dichloropropane	7.21	77	716915	84.456	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	540519	92.003	ug/l	98
28) Bromochloromethane	7.54	49	321221	94.014	ug/l	99
29) Tetrahydrofuran	7.56	42	275820	448.771	ug/l	98
30) Chloroform	7.71	83	846903	88.242	ug/l	98
31) Cyclohexane	7.98	56	631590	85.151	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	788907	88.695	ug/l	98
36) 1,1-Dichloropropene	8.11	75	659273	90.922	ug/l	99
37) Ethyl Acetate	7.29	43	222342	88.515	ug/l	99
38) Carbon Tetrachloride	8.10	117	725472	92.471	ug/l	96

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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	752275	98.131	ug/l	97
40) Benzene	8.35	78	1837558	91.240	ug/l	100
41) Methacrylonitrile	7.53	41	114254	84.193	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	500723	88.974	ug/l	98
43) Isopropyl Acetate	8.45	43	430063	92.936	ug/l	99
44) Trichloroethene	9.11	130	553521	92.039	ug/l	99
45) 1,2-Dichloropropane	9.38	63	439123	92.796	ug/l	95
46) Dibromomethane	9.47	93	244180	89.779	ug/l	97
47) Bromodichloromethane	9.66	83	648197	91.684	ug/l	99
48) Methyl methacrylate	9.45	41	226373	95.486	ug/l	95
49) 1,4-Dioxane	9.46	88	49747	1752.527	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	1065008	462.052	ug/l	99
52) Toluene	10.40	92	1209464	93.225	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	592075	93.703	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	719706	93.278	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	335875	88.825	ug/l	97
56) Ethyl methacrylate	10.66	69	397105	101.718	ug/l	100
57) 1,3-Dichloropropane	10.94	76	560568	91.419	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	1110606	511.118	ug/l	100
59) 2-Hexanone	10.98	43	716790	465.926	ug/l	98
60) Dibromochloromethane	11.14	129	452758	89.835	ug/l	97
61) 1,2-Dibromoethane	11.24	107	331447	91.237	ug/l	97
64) Tetrachloroethene	10.87	164	457149	89.472	ug/l	96
65) Chlorobenzene	11.67	112	1277530	91.396	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	477578	89.821	ug/l	100
67) Ethyl Benzene	11.74	91	2259395	94.339	ug/l	99
68) m/p-Xylenes	11.85	106	1755833	188.119	ug/l	99
69) o-Xylene	12.18	106	807210	96.712	ug/l	98
70) Styrene	12.20	104	1363167	95.111	ug/l	99
71) Bromoform	12.36	173	247391	89.635	ug/l #	97
73) Isopropylbenzene	12.48	105	2211455	98.233	ug/l	99
74) N-amyl acetate	12.29	43	385809	95.333	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	335051	88.334	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	219509m	77.676	ug/l	
77) Bromobenzene	12.76	156	509855	93.794	ug/l	98
78) n-propylbenzene	12.82	91	2546037	95.695	ug/l	99
79) 2-Chlorotoluene	12.91	91	1446551	95.029	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	1845346	97.020	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	110449	95.352	ug/l	97
82) 4-Chlorotoluene	13.01	91	1503862	92.855	ug/l	100
83) tert-Butylbenzene	13.23	119	1568893	97.952	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1811198	95.419	ug/l	98
85) sec-Butylbenzene	13.40	105	2183530	96.805	ug/l	100
86) p-Isopropyltoluene	13.52	119	1999729	95.627	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	957333	90.416	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	951740	89.897	ug/l	99
89) n-Butylbenzene	13.85	91	1853873	97.003	ug/l	99
90) Hexachloroethane	14.11	117	350030	95.557	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	837462	90.565	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	55040	90.019	ug/l	99

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VSTDICC100

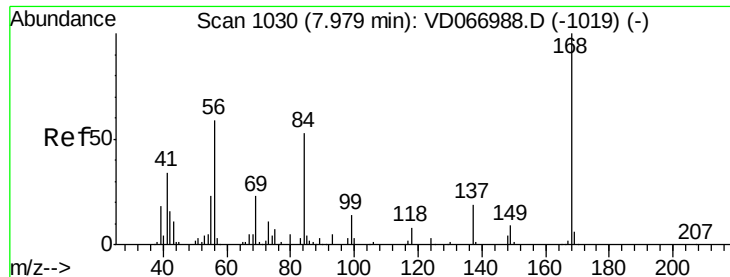
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	599651	100.255	ug/l	99
94) Hexachlorobutadiene	15.27	225	351462	95.679	ug/l	99
95) Naphthalene	15.41	128	1060951	106.344	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	513026	98.805	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066989.D

Acq: 01 Oct 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 512768

Ion Ratio Lower Upper

168 100

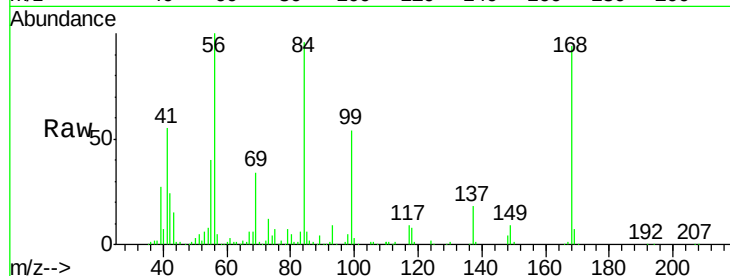
99 56.7 44.1 66.1

Manual Integrations

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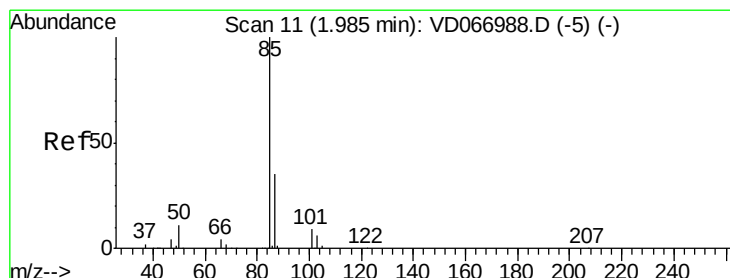
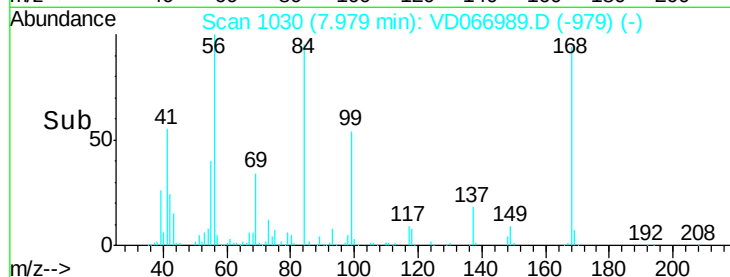
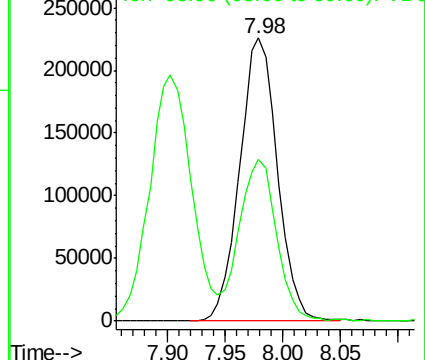
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 81.766 ug/l

RT: 1.98 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066989.D

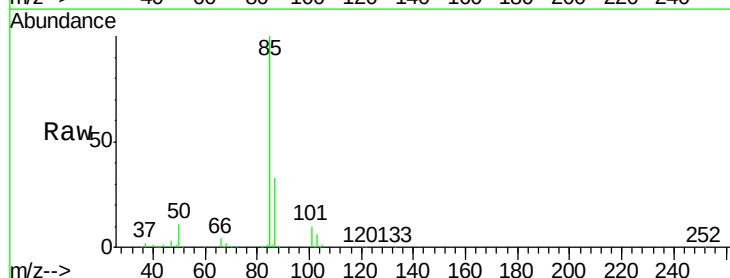
Acq: 01 Oct 2020 13:14

Tgt Ion: 85 Resp: 380699

Ion Ratio Lower Upper

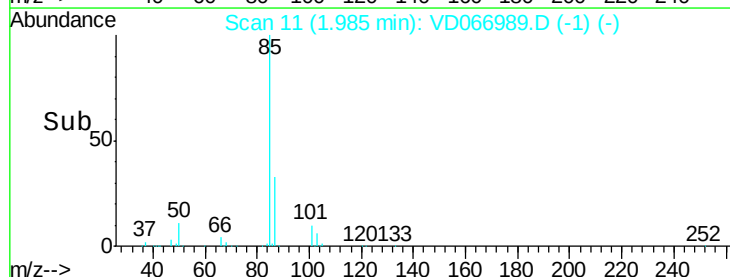
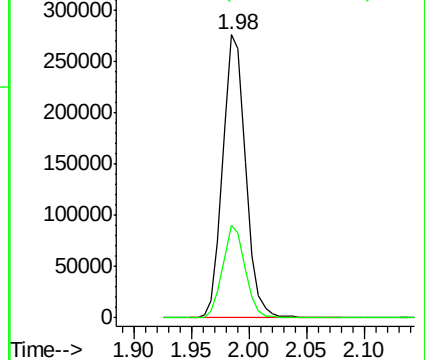
85 100

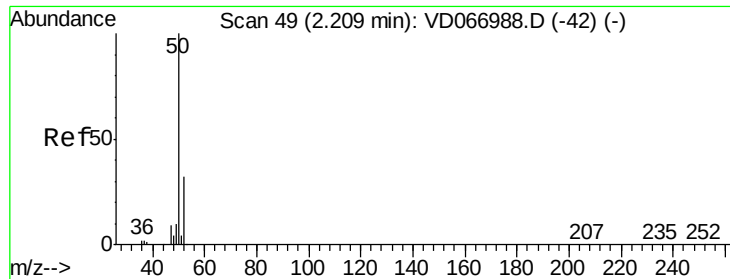
87 32.7 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 83.172 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066989.D

Acq: 01 Oct 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 339639

Ion Ratio Lower Upper

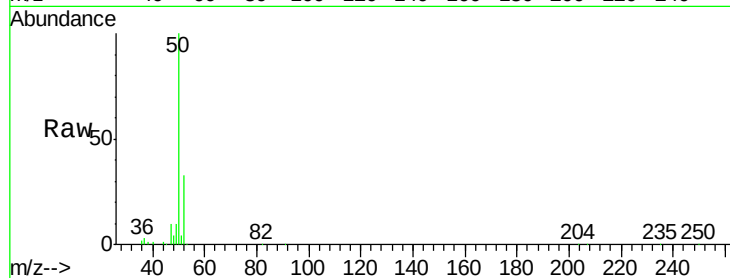
50 100

52 33.4 25.3 37.9

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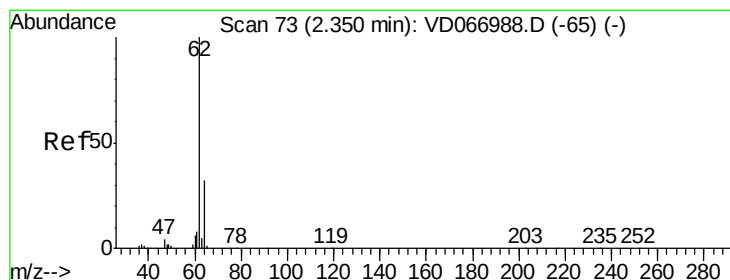
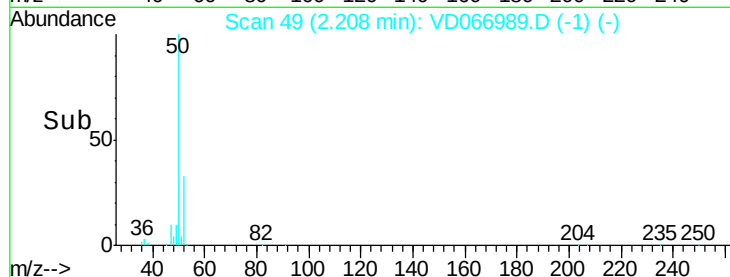
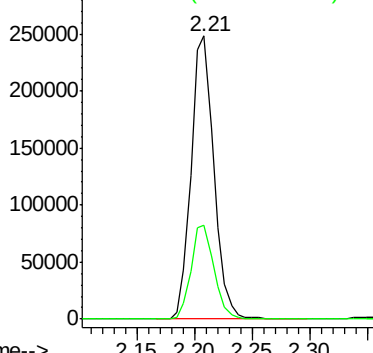
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 88.320 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066989.D

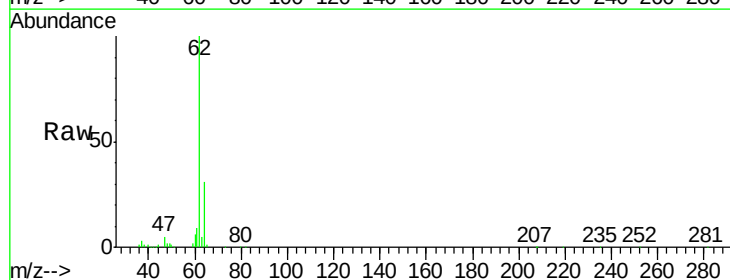
Acq: 01 Oct 2020 13:14

Tgt Ion: 62 Resp: 361635

Ion Ratio Lower Upper

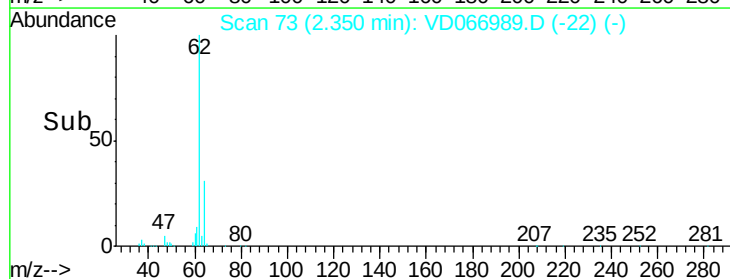
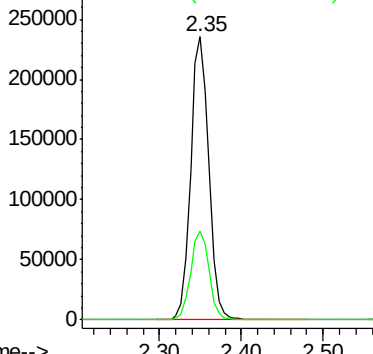
62 100

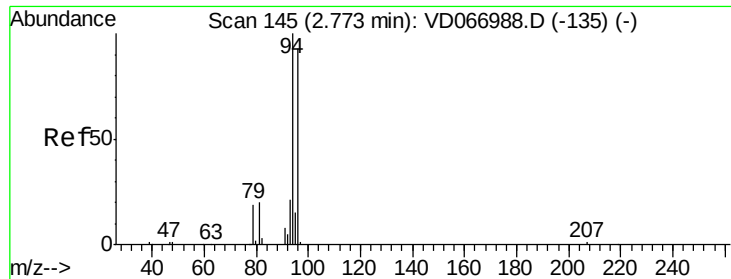
64 31.3 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 82.862 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD066989.D

Acq: 01 Oct 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 247299

Ion Ratio Lower Upper

94 100

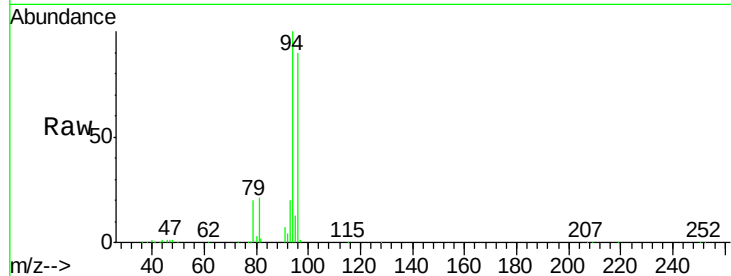
96 89.9 74.6 112.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

120000

100000

80000

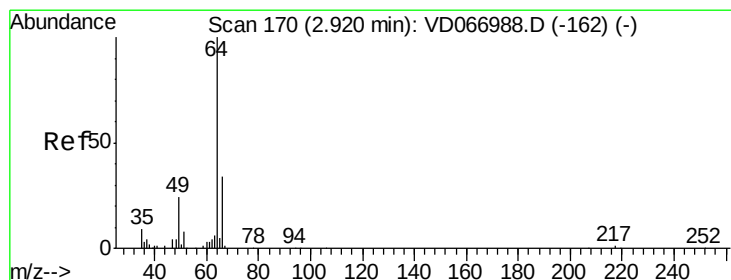
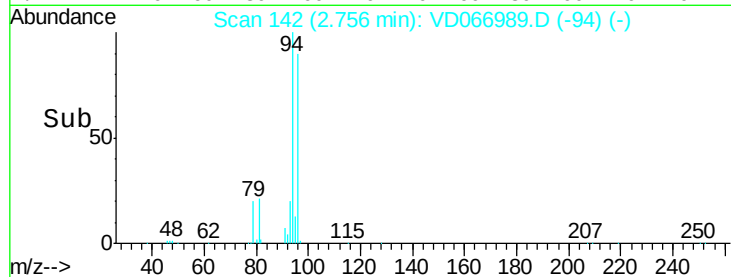
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 85.867 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066989.D

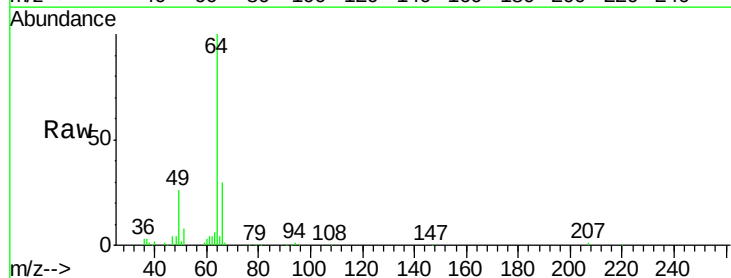
Acq: 01 Oct 2020 13:14

Tgt Ion: 64 Resp: 214118

Ion Ratio Lower Upper

64 100

66 30.1 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

120000

100000

80000

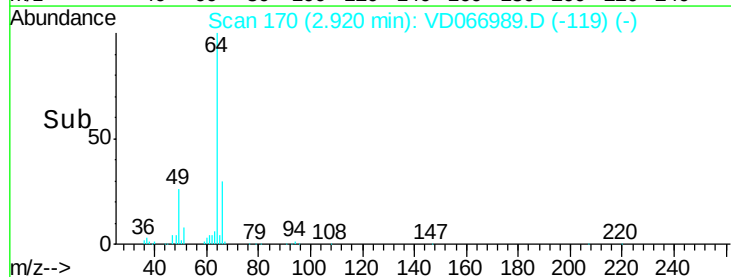
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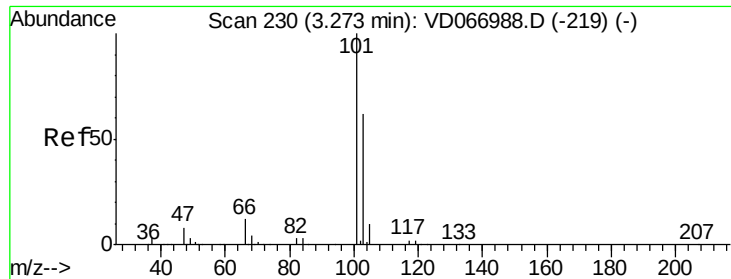
40000

20000

0

Time-->





#7

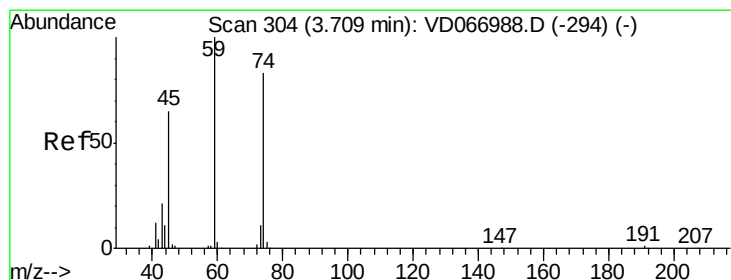
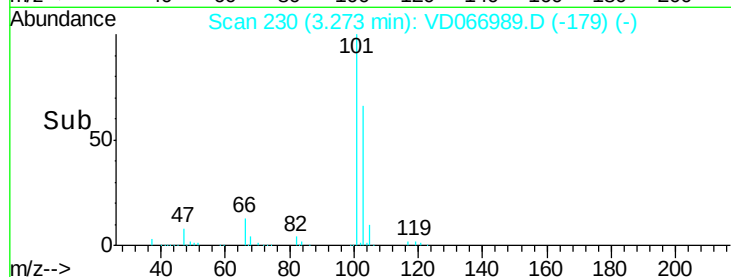
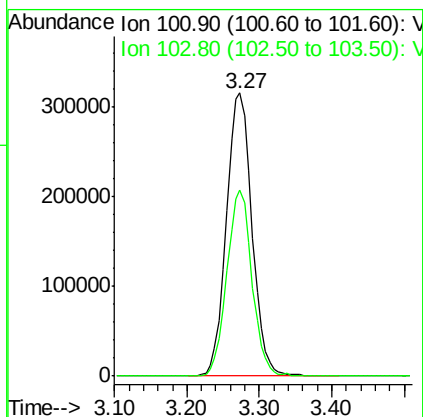
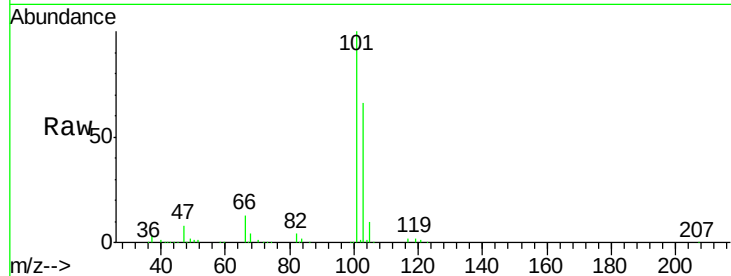
Trichlorofluoromethane
 Concen: 85.351 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD066989.D
 Acq: 01 Oct 2020 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	49.8	74.8

Manual Integrations
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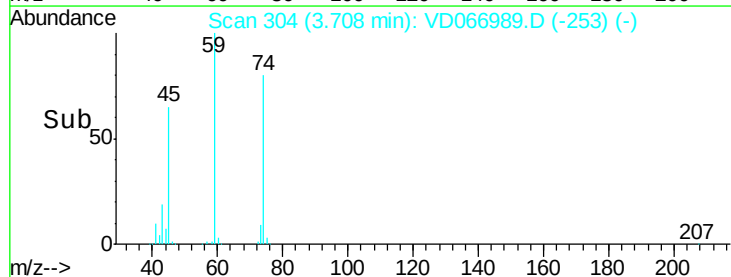
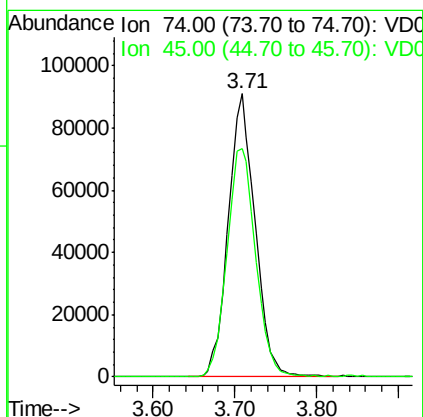
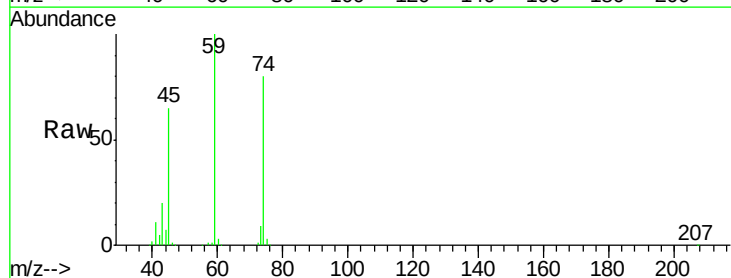
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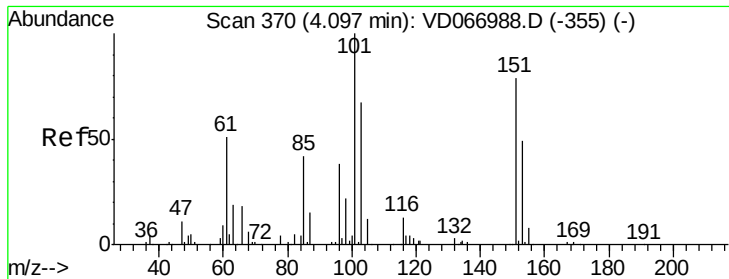


#8

Diethyl Ether
 Concen: 92.358 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD066989.D
 Acq: 01 Oct 2020 13:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	86.0	43.1	129.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 87.164 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD066989.D

Acq: 01 Oct 2020 13:14

Instrument :

MSVOA_D

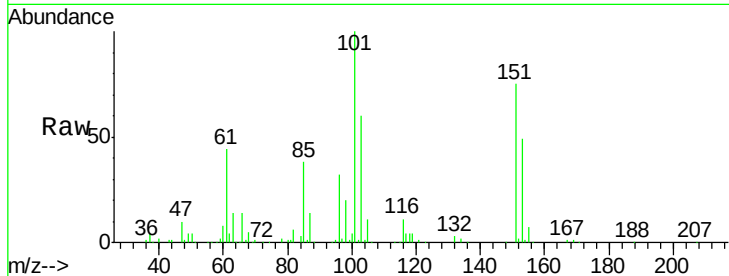
ClientSampleId :

VSTDIC100

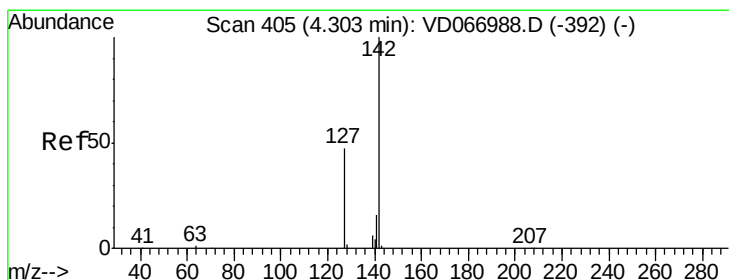
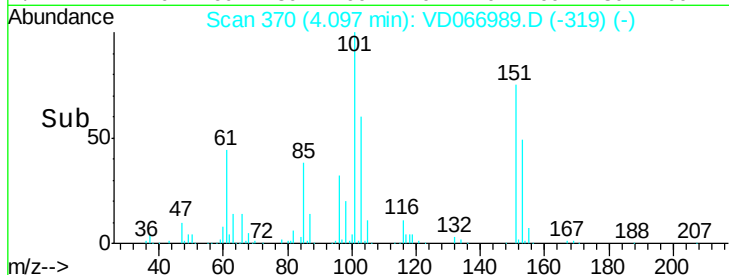
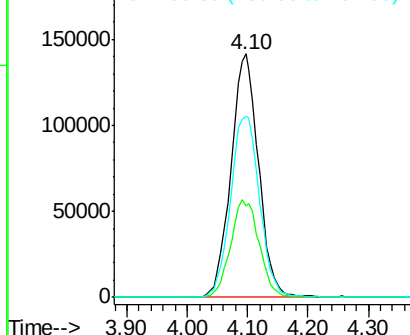
Tot Ion:	101	Resp:	448185
Ion Ratio	Lower	Upper	
101	100		
85	41.6	33.8	50.8
151	78.3	63.8	95.8

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



#10

Methyl Iodide

Concen: 104.952 ug/l

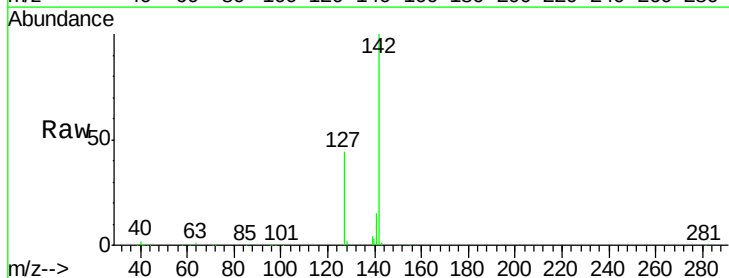
RT: 4.30 min Scan# 405

Delta R.T. -0.00 min

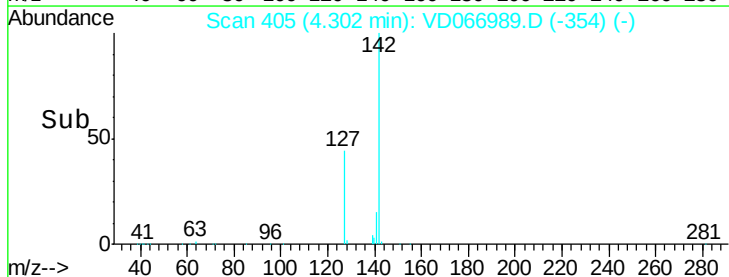
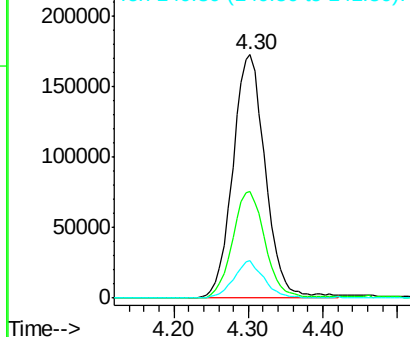
Lab File: VD066989.D

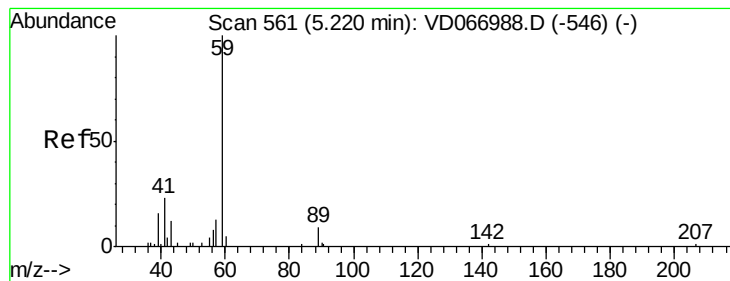
Acq: 01 Oct 2020 13:14

Tgt Ion:	142	Resp:	524353
Ion Ratio	Lower	Upper	
142	100		
127	43.7	36.3	54.5
141	14.2	12.0	18.0



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





#11

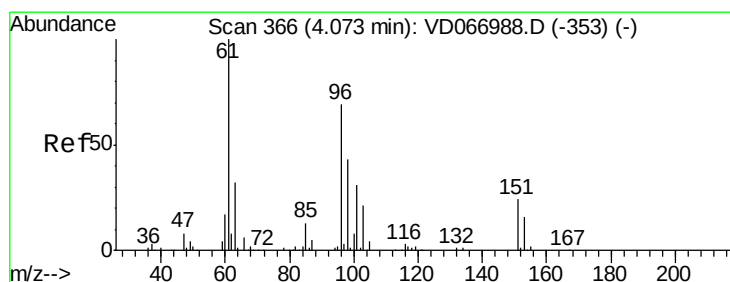
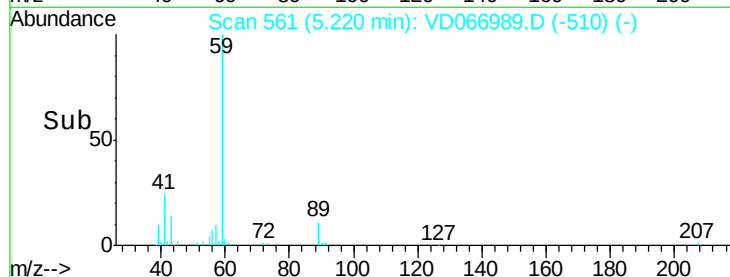
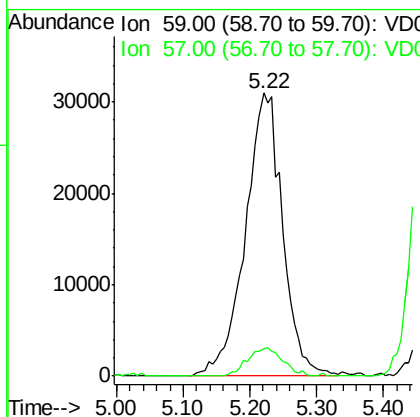
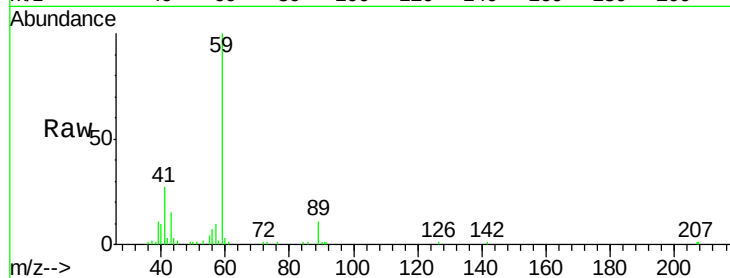
Tert butyl alcohol
Concen: 283.995 ug/l
RT: 5.22 min Scan# 561
Delta R.T. -0.00 min
Lab File: VD066989.D
Acq: 01 Oct 2020 13:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
59	100	119400		
57	9.5	8.2	12.4	

Manual Integrations
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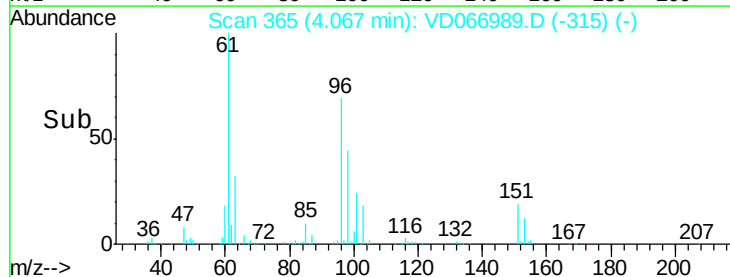
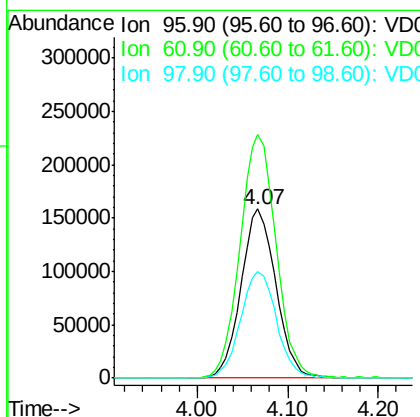
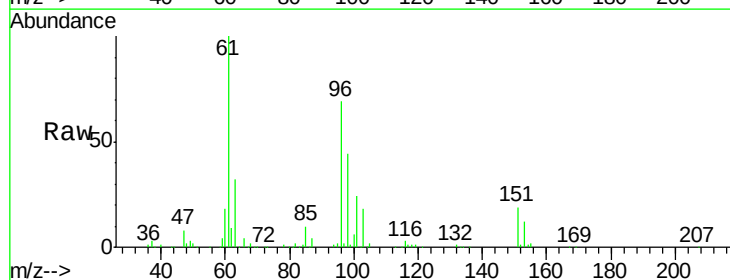
MMDadoda
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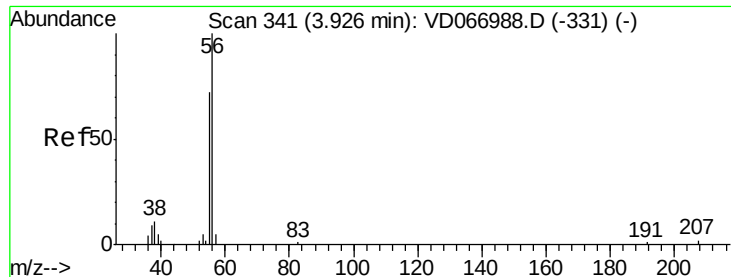


#12

1,1-Dichloroethene
Concen: 87.828 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.01 min
Lab File: VD066989.D
Acq: 01 Oct 2020 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	424533		
61	144.1	116.4	174.6	
98	63.0	49.9	74.9	





#13

Acrolein

Concen: 440.287 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD066989.D

Acq: 01 Oct 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 145608

Ion Ratio Lower Upper

56 100

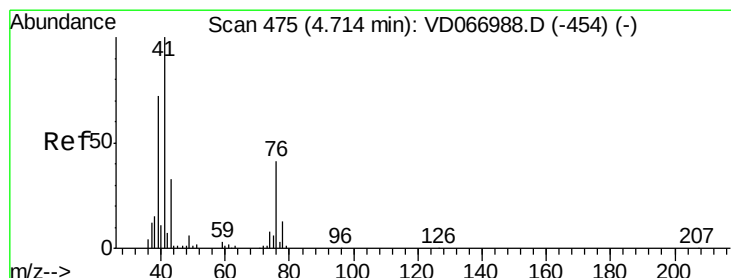
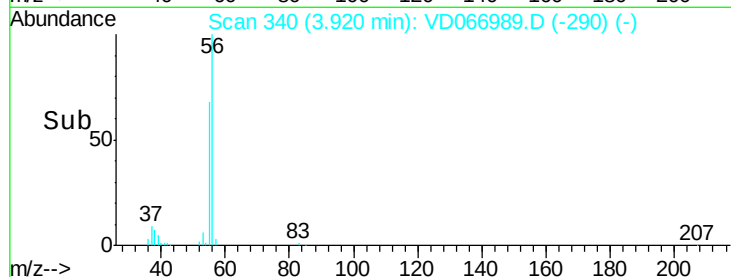
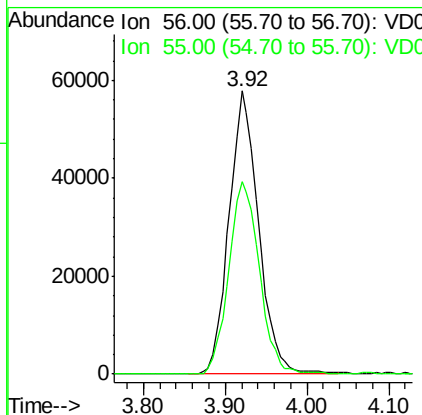
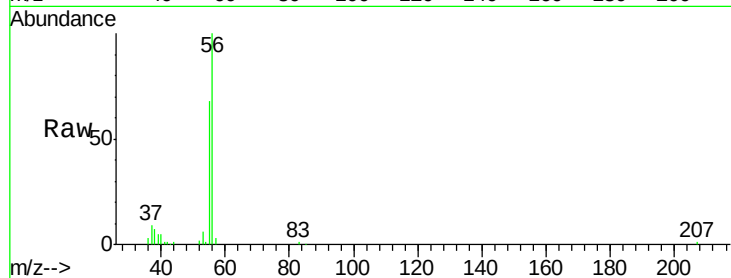
55 70.3 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 94.034 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD066989.D

Acq: 01 Oct 2020 13:14

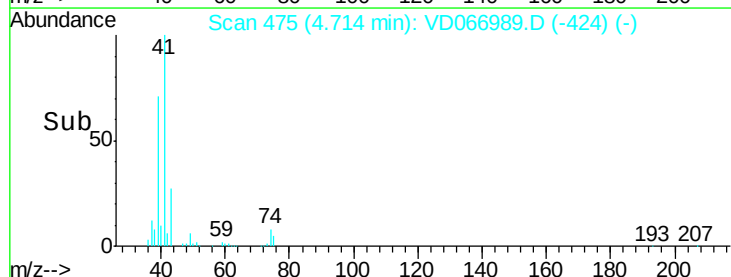
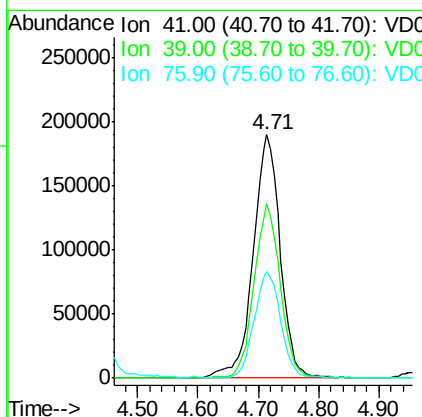
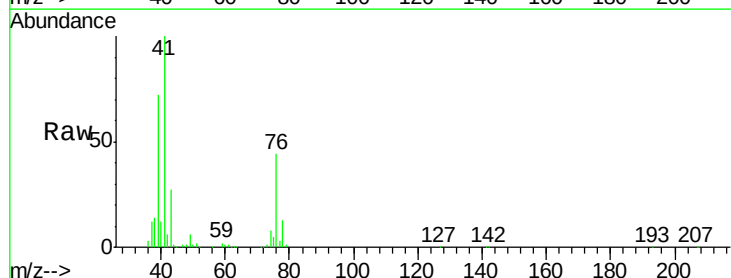
Tgt Ion: 41 Resp: 590484

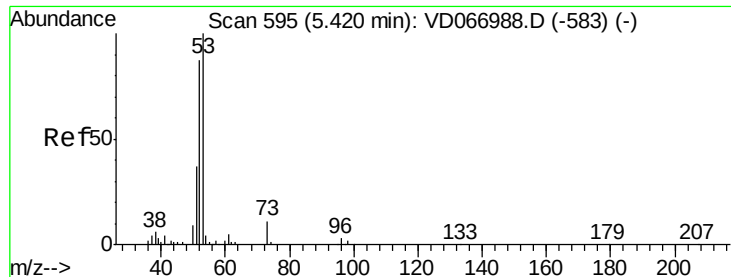
Ion Ratio Lower Upper

41 100

39 69.6 56.2 84.2

76 42.0 34.2 51.2





#15

Acrylonitrile

Concen: 442.620 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD066989.D

Acq: 01 Oct 2020 13:14

Instrument :

MSVOA_D

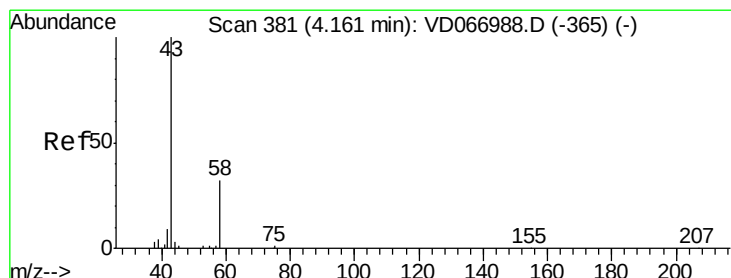
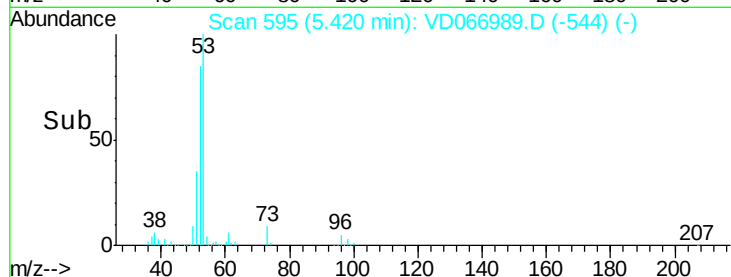
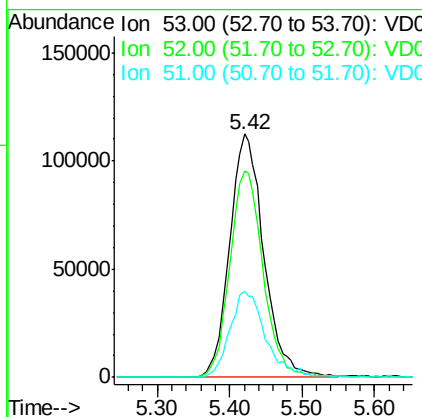
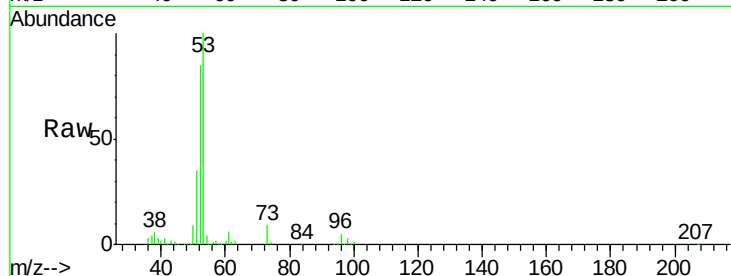
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	367496
Ion Ratio	Lower	Upper	
53	100		
52	82.8	67.3	100.9
51	37.0	30.2	45.2

Manual Integrations
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#16

Acetone

Concen: 418.289 ug/l

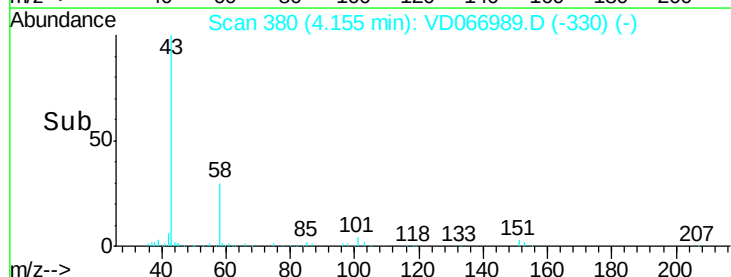
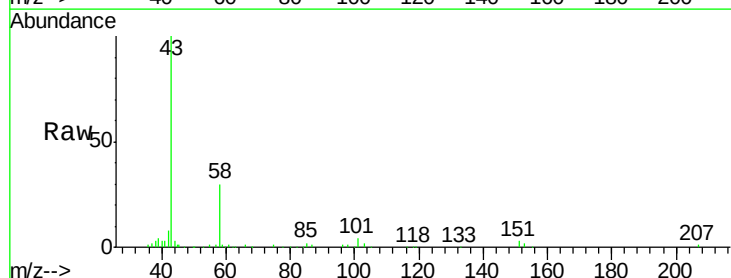
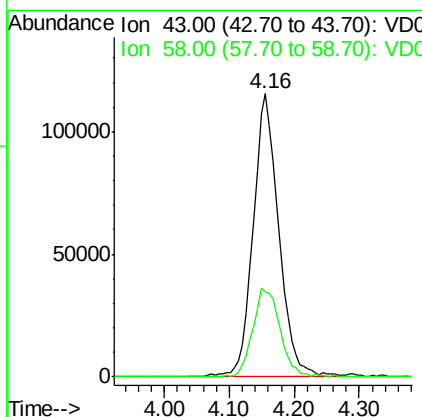
RT: 4.16 min Scan# 380

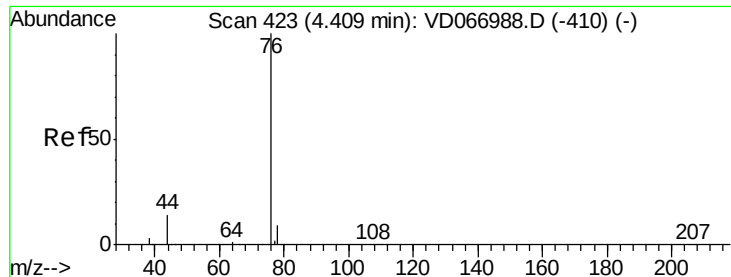
Delta R.T. -0.01 min

Lab File: VD066989.D

Acq: 01 Oct 2020 13:14

Tgt Ion:	43	Resp:	315363
Ion Ratio	Lower	Upper	
43	100		
58	29.9	25.9	38.9





#17

Carbon Disulfide

Concen: 90.229 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD066989.D

Acq: 01 Oct 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 1338498

Ion Ratio Lower Upper

76 100

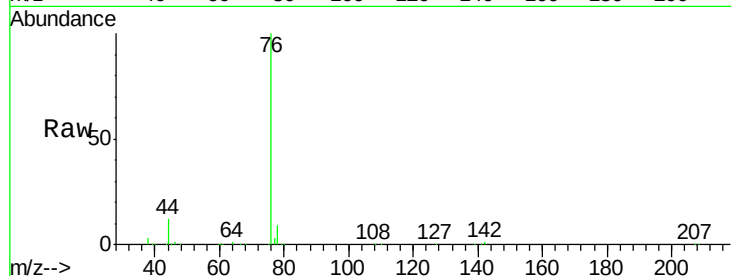
78 9.2 7.5 11.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.41

500000

400000

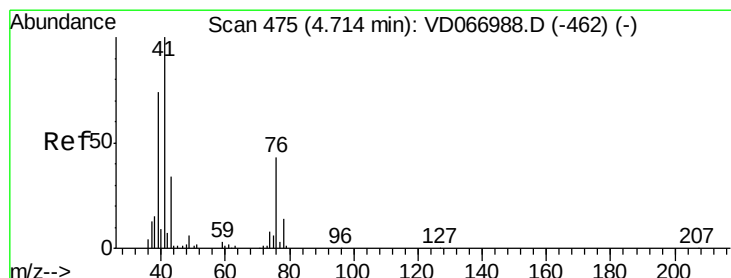
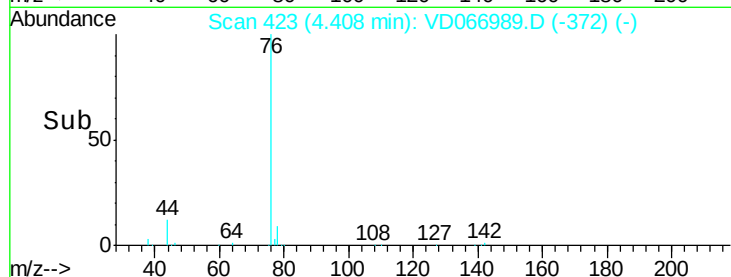
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 89.268 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD066989.D

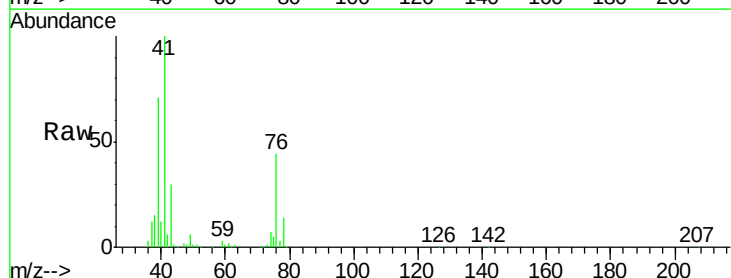
Acq: 01 Oct 2020 13:14

Tgt Ion: 43 Resp: 169154

Ion Ratio Lower Upper

43 100

74 26.5 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

60000

50000

40000

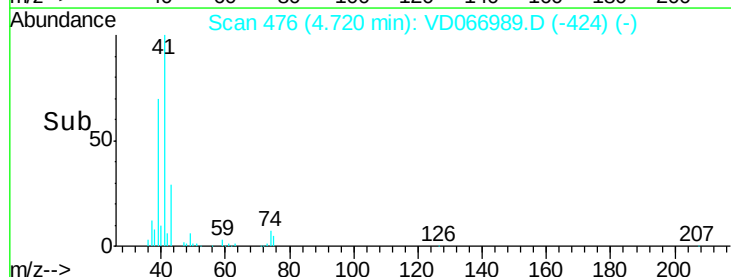
30000

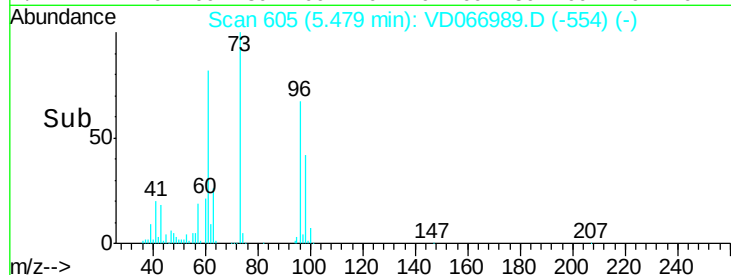
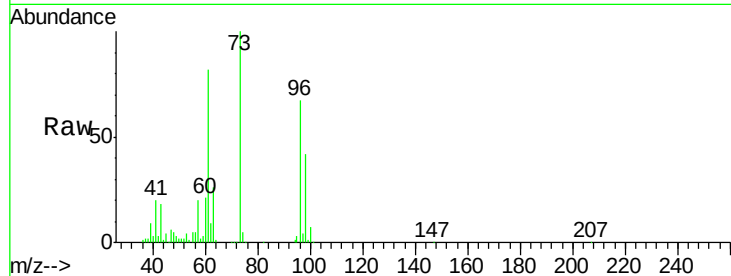
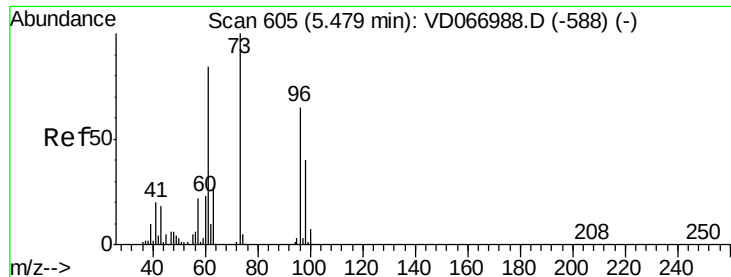
20000

10000

0

Time-->





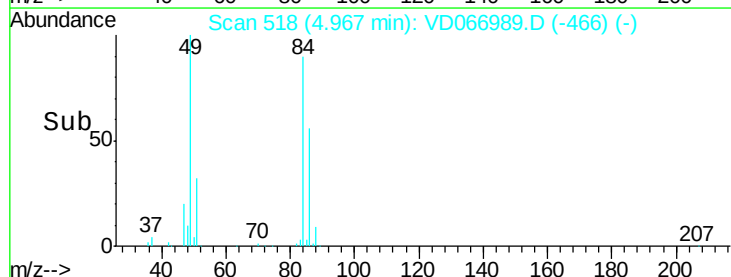
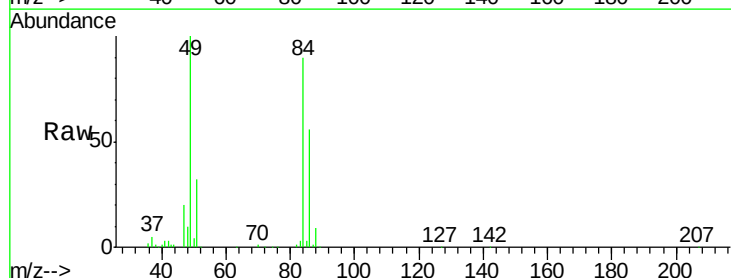
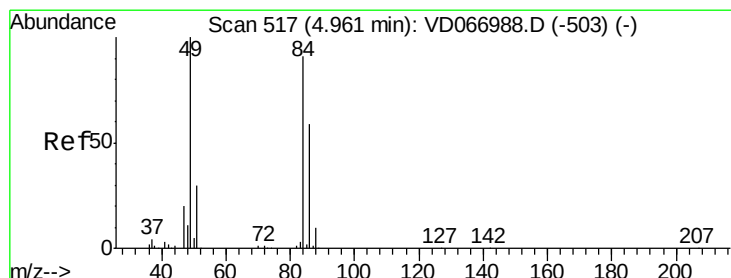
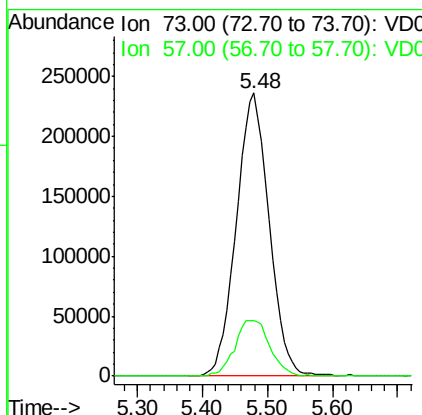
#19
Methyl tert-butyl Ether
Concen: 93.459 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD066989.D
Acq: 01 Oct 2020 13:14

Tot Ion: 73 Resp: 824690
Ion Ratio Lower Upper
73 100
57 19.6 17.4 26.0

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

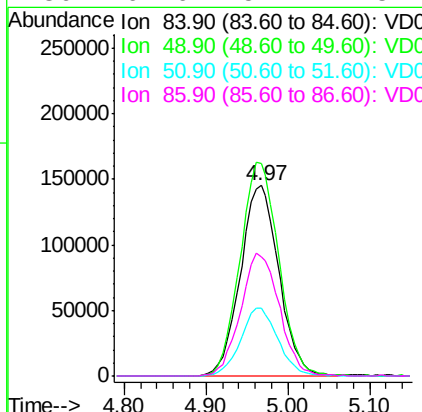
Manual Integrations
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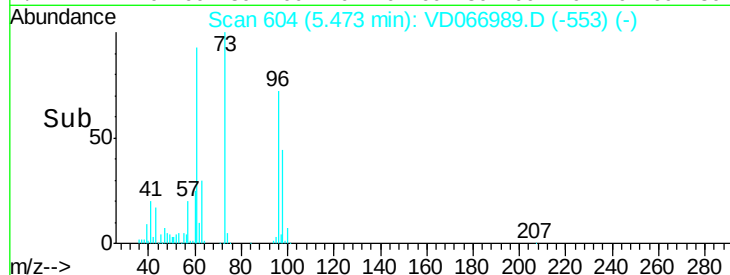
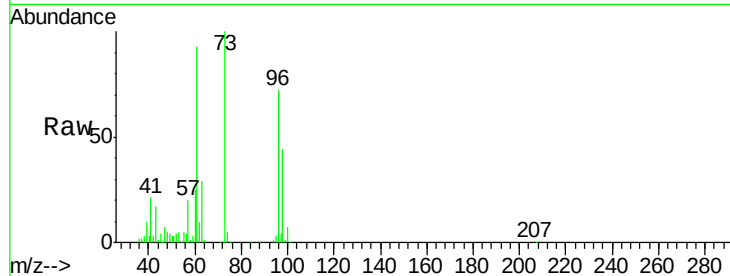
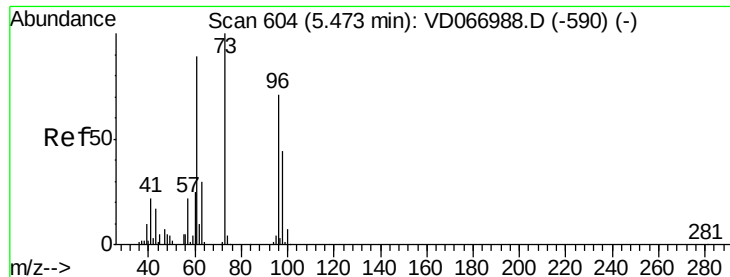
MMDadoda
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#20
Methylene Chloride
Concen: 69.172 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066989.D
Acq: 01 Oct 2020 13:14

Tgt Ion: 84 Resp: 475393
Ion Ratio Lower Upper
84 100
49 111.5 88.2 132.2
51 35.5 26.6 39.8
86 62.6 52.1 78.1





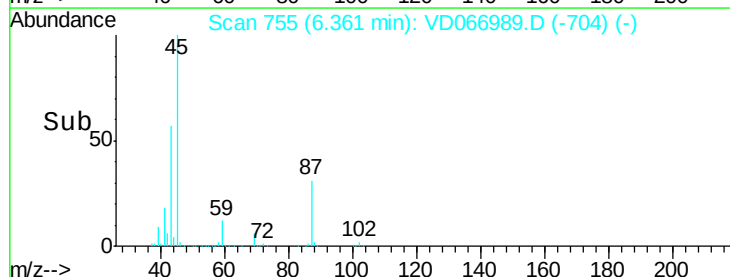
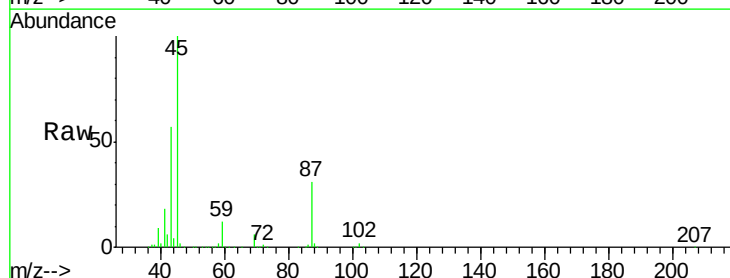
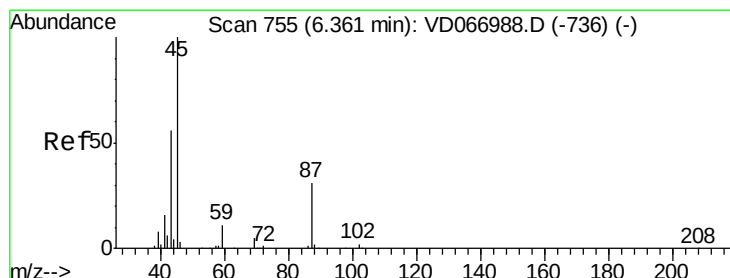
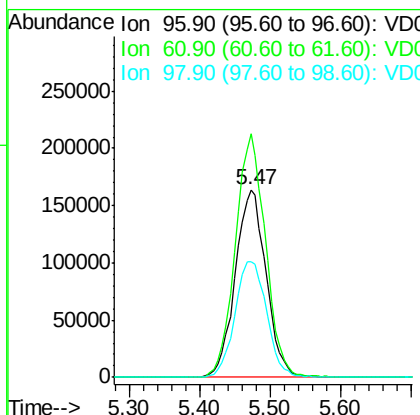
#21
trans-1,2-Dichloroethene
Concen: 90.540 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.00 min
Lab File: VD066989.D
Acq: 01 Oct 2020 13:14

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.6	99.6	149.4
98	61.4	49.4	74.2

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

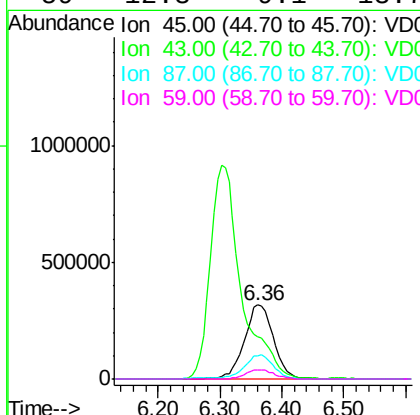
Manual Integrations
APPROVED

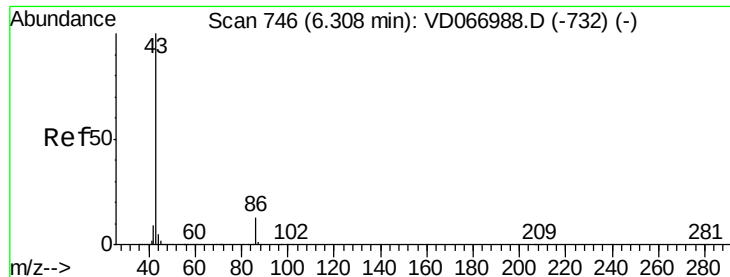
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#22
Diisopropyl ether
Concen: 91.020 ug/l
RT: 6.36 min Scan# 755
Delta R.T. -0.00 min
Lab File: VD066989.D
Acq: 01 Oct 2020 13:14

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.2	45.2	67.8
87	30.9	25.6	38.4
59	12.3	9.1	13.7





#23

Vinyl Acetate

Concen: 488.804 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD066989.D

Acq: 01 Oct 2020 13:14

Tot Ion: 43 Resp: 3175387

Ion Ratio Lower Upper

43 100

86 13.0 10.2 15.2

Instrument :

MSVOA_D

ClientSampleId :

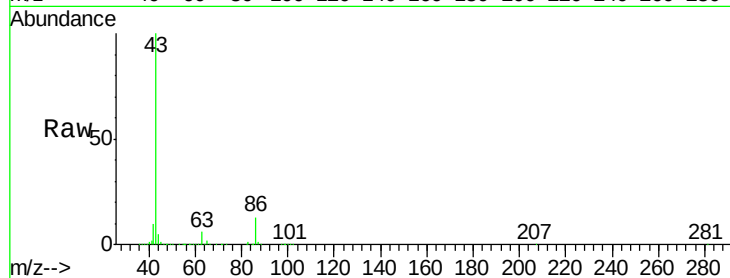
VSTDICC100

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

1000000

800000

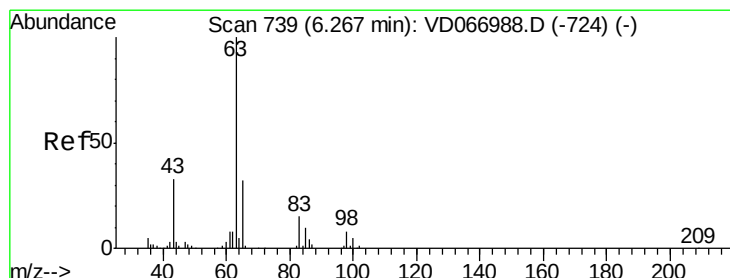
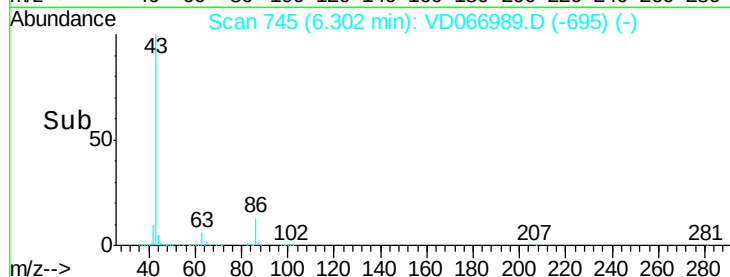
600000

400000

200000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 87.949 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD066989.D

Acq: 01 Oct 2020 13:14

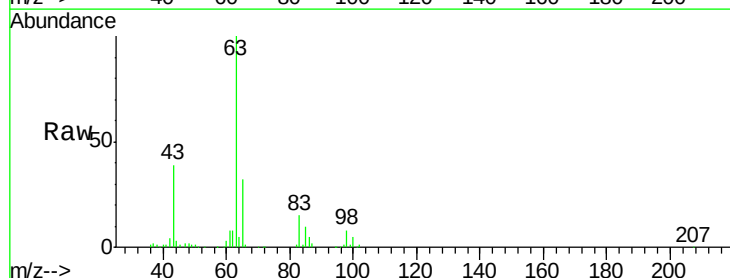
Tgt Ion: 63 Resp: 778111

Ion Ratio Lower Upper

63 100

98 7.8 4.2 12.6

100 5.4 2.6 7.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

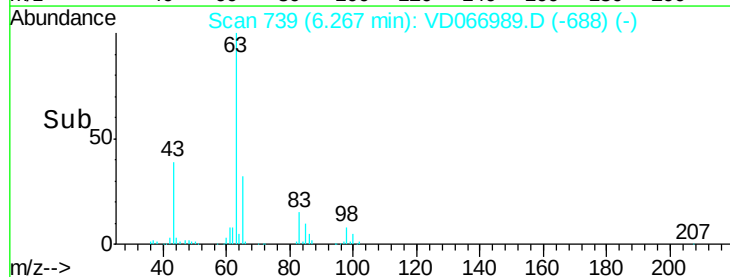
300000

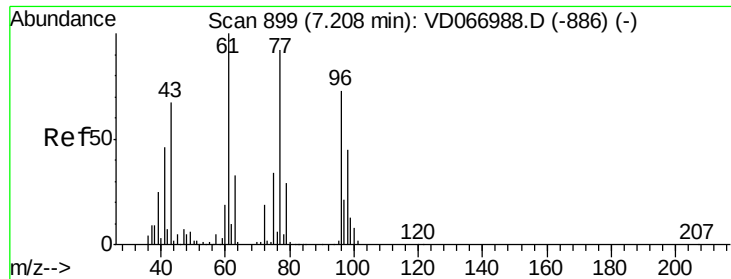
200000

100000

0

Time--> 6.10 6.20 6.30 6.40





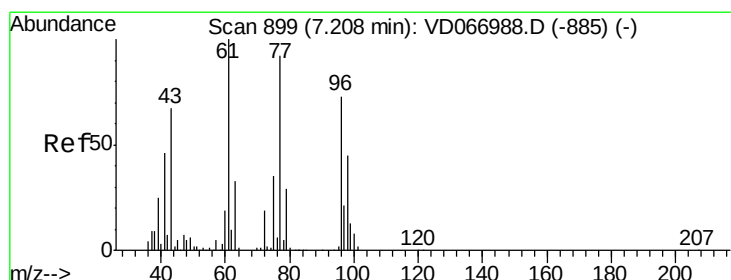
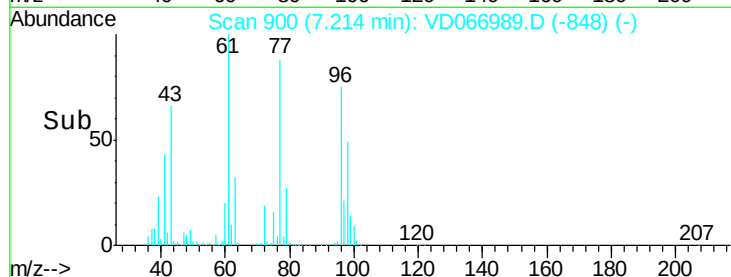
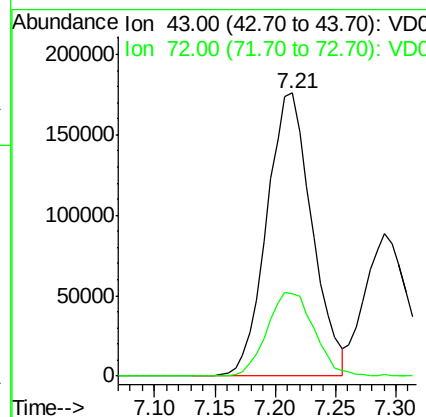
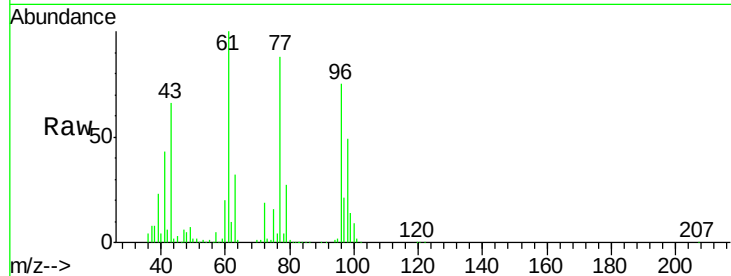
#25
2-Butanone
Concen: 426.970 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD066989.D
Acq: 01 Oct 2020 13:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 456391
Ion Ratio Lower Upper
43 100
72 29.3 22.8 34.2

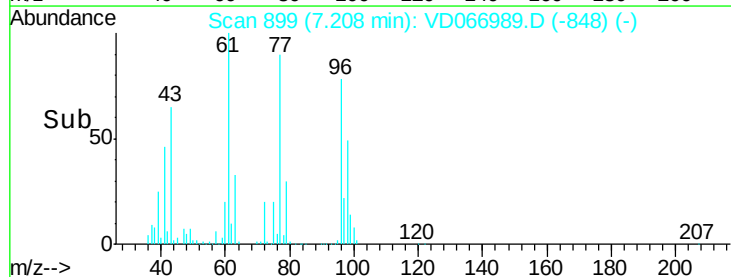
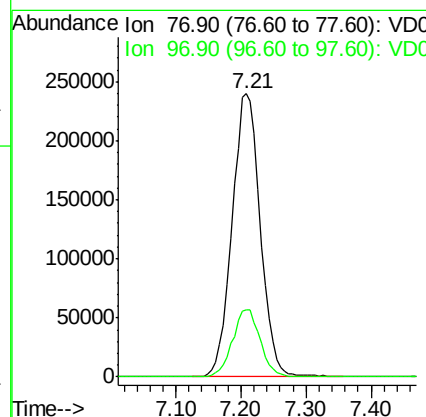
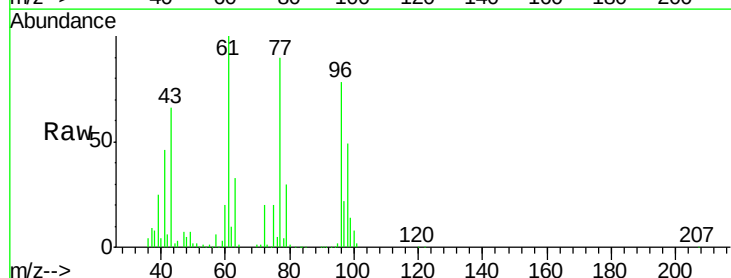
Manual Integrations
APPROVED

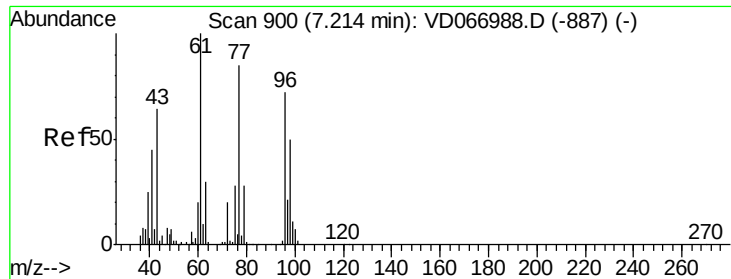
MMDadoda
10/2/2020 3:13:23 PM



#26
2,2-Dichloropropane
Concen: 84.456 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD066989.D
Acq: 01 Oct 2020 13:14

Tgt Ion: 77 Resp: 716915
Ion Ratio Lower Upper
77 100
97 23.4 11.4 34.2





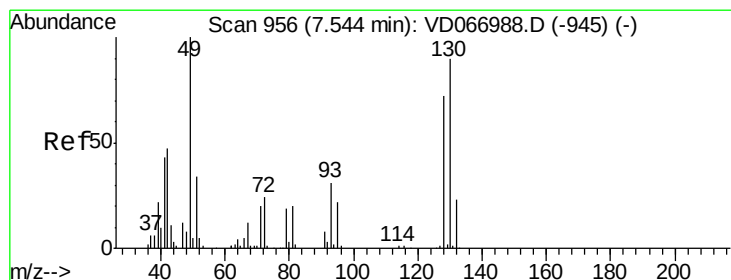
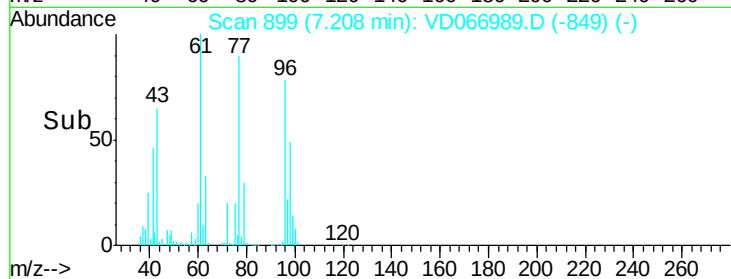
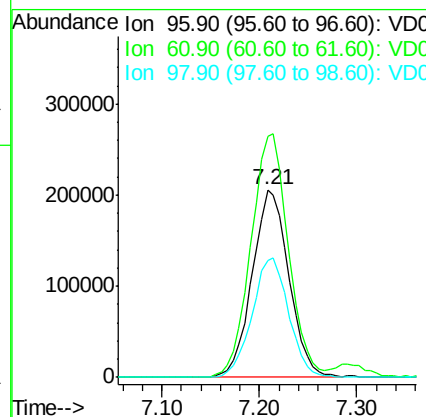
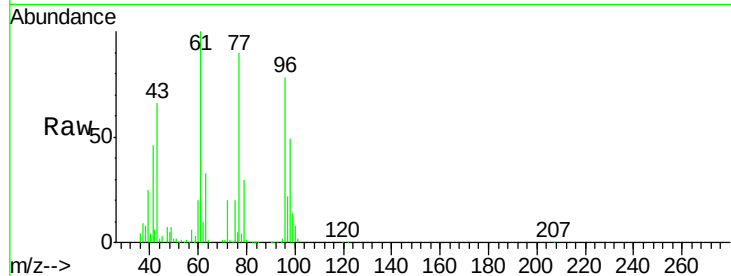
#27
 cis-1,2-Dichloroethene
 Concen: 92.003 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD066989.D
 Acq: 01 Oct 2020 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	540519		
61	132.3		0.0	269.2
98	63.8		0.0	129.4

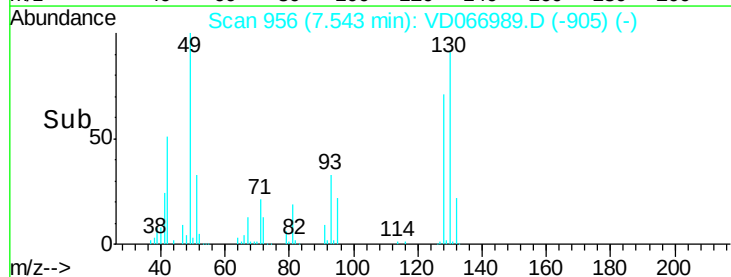
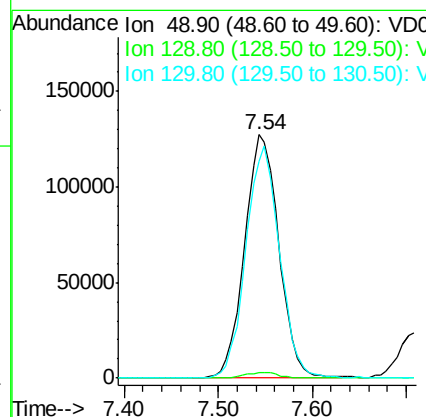
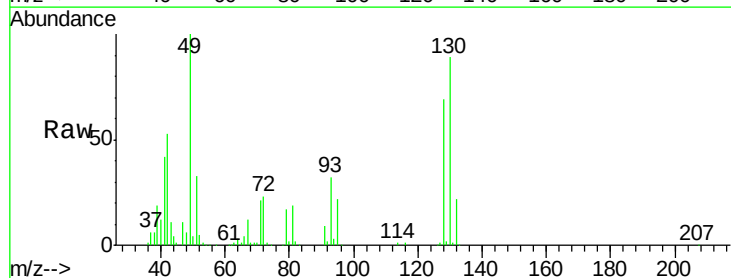
Manual Integrations
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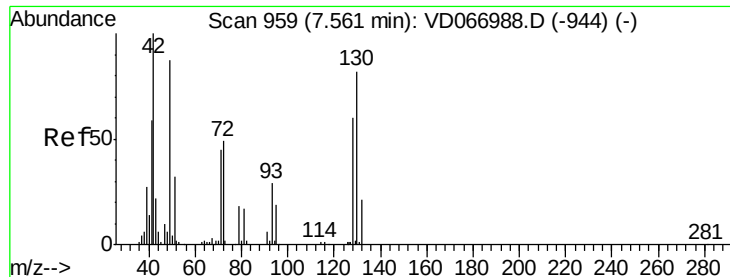
MMDadoda
 10/2/2020 3:13:23 PM



#28
 Bromochloromethane
 Concen: 94.014 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.00 min
 Lab File: VD066989.D
 Acq: 01 Oct 2020 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	321221		
129	2.4		0.0	4.6
130	93.9		74.1	111.1





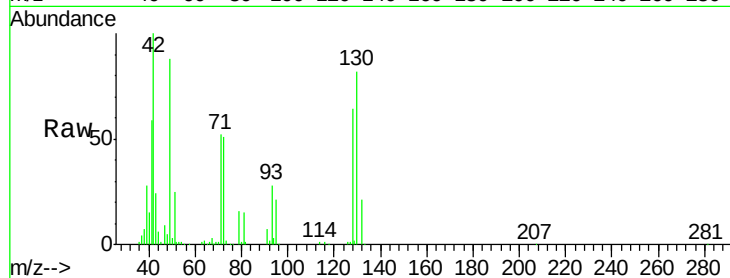
#29
Tetrahydrofuran
Concen: 448.771 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.00 min
Lab File: VD066989.D
Acq: 01 Oct 2020 13:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

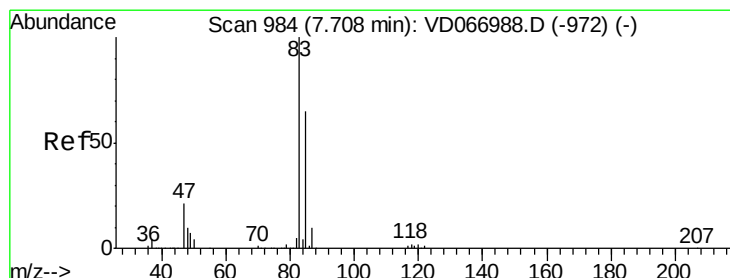
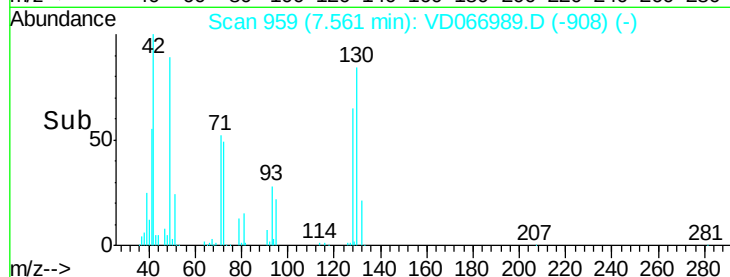
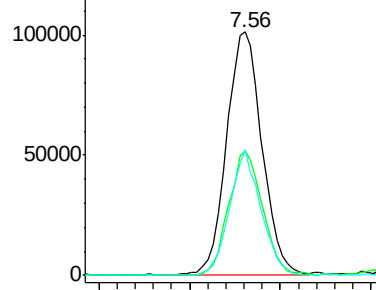
Tot Ion	Ratio	Lower	Upper
42	100		
72	48.8	39.1	58.7
71	45.6	34.2	51.4

Manual Integrations
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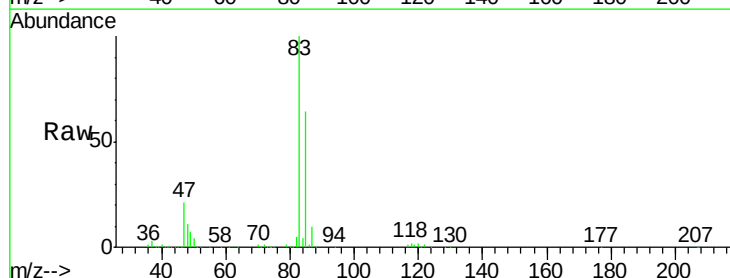


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

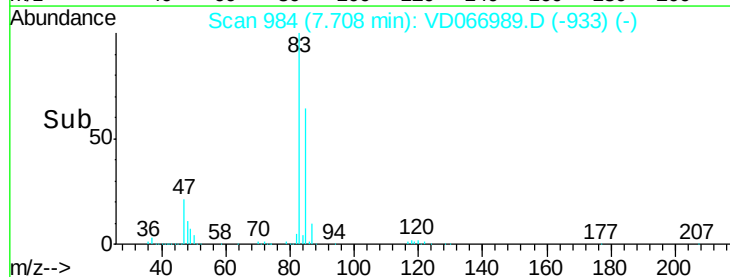
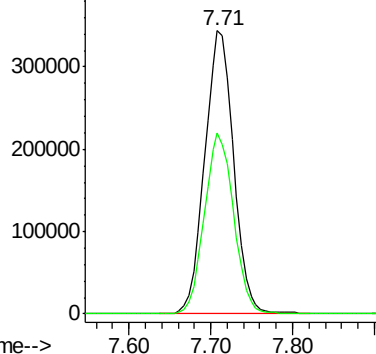


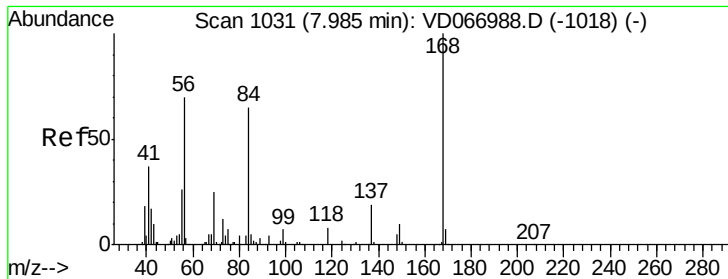
#30
Chloroform
Concen: 88.242 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.00 min
Lab File: VD066989.D
Acq: 01 Oct 2020 13:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.3	78.5



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





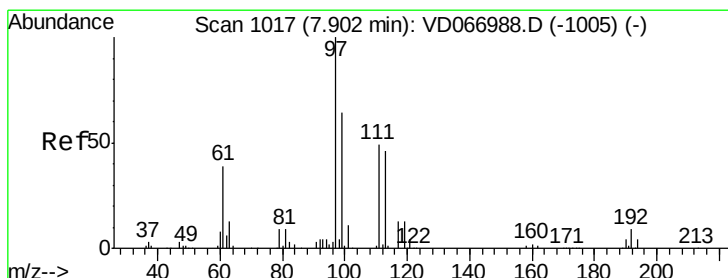
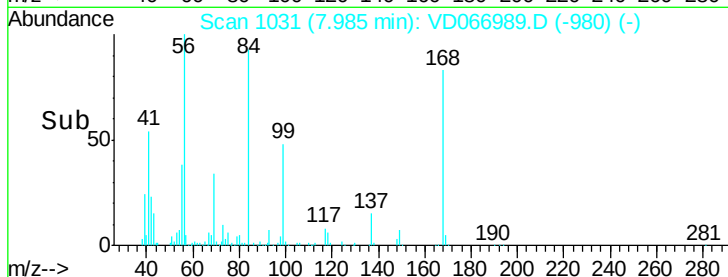
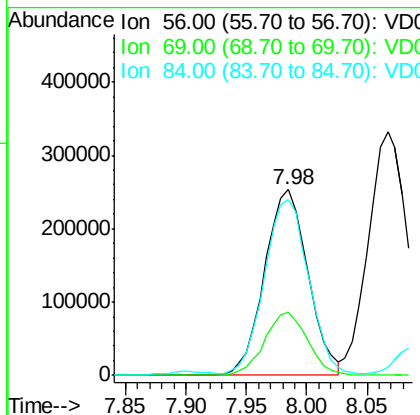
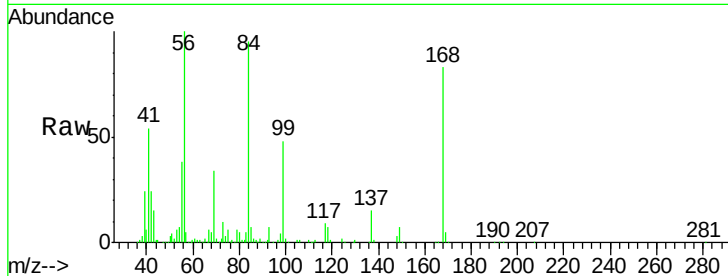
#31
Cyclohexane
Concen: 85.151 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD066989.D
Acq: 01 Oct 2020 13:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.0	29.0	43.6
84	92.4	74.2	111.2

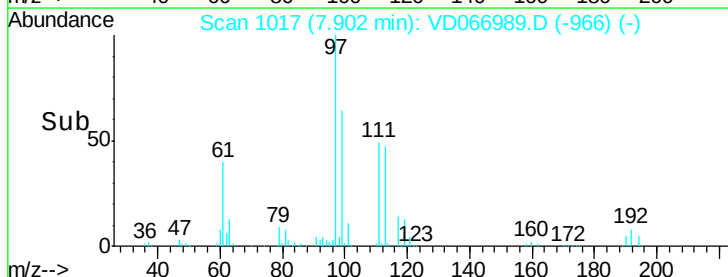
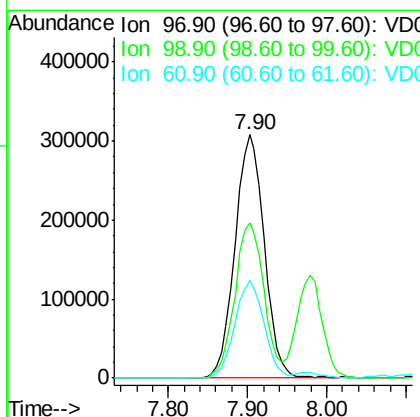
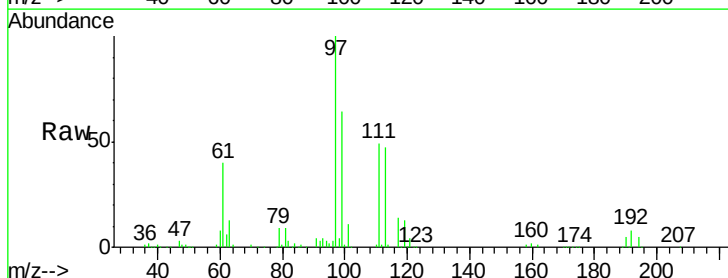
Manual Integrations
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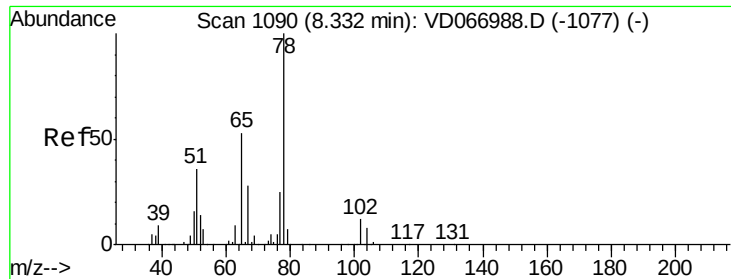
MMDadoda
10/2/2020 3:13:23 PM



#32
1,1,1-Trichloroethane
Concen: 88.695 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD066989.D
Acq: 01 Oct 2020 13:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	52.6	78.8
61	39.8	32.8	49.2





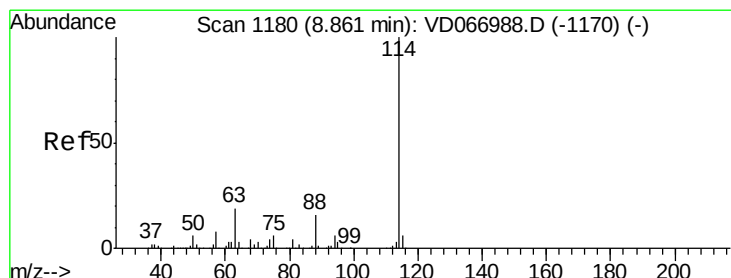
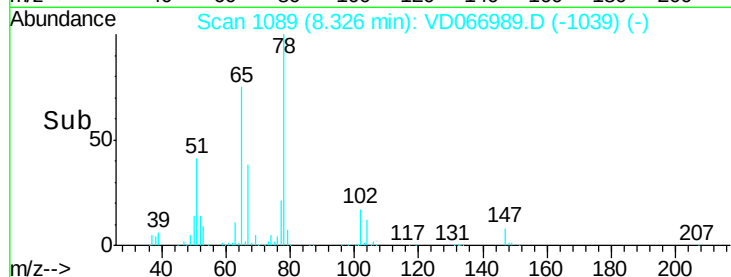
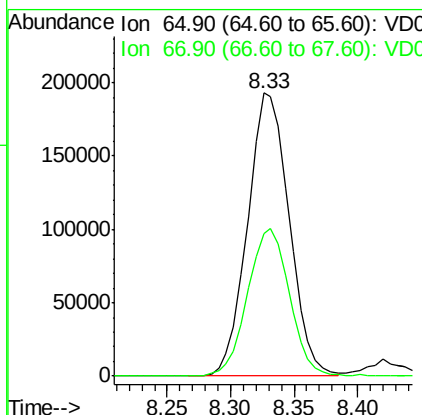
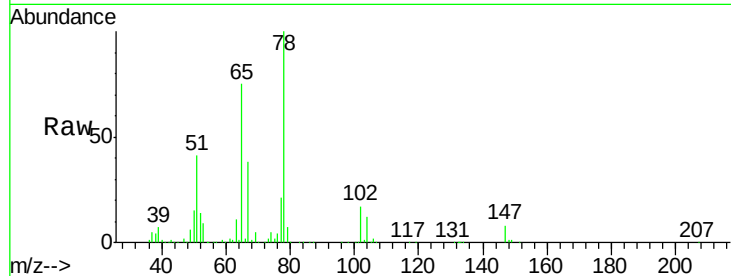
#33
 1,2-Dichloroethane-d4
 Concen: 89.334 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066989.D
 Acq: 01 Oct 2020 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	441217		
67	52.2	0.0	106.8	

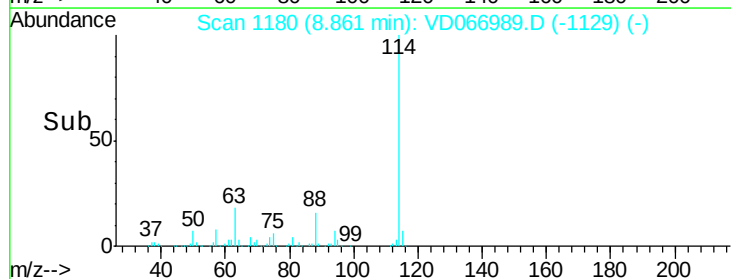
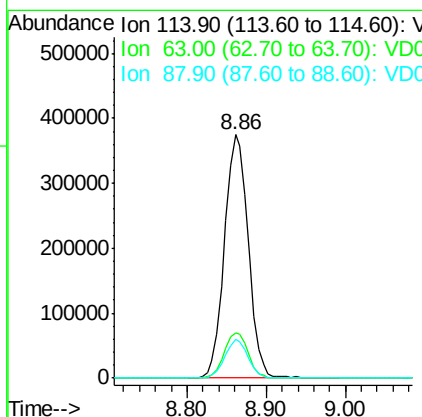
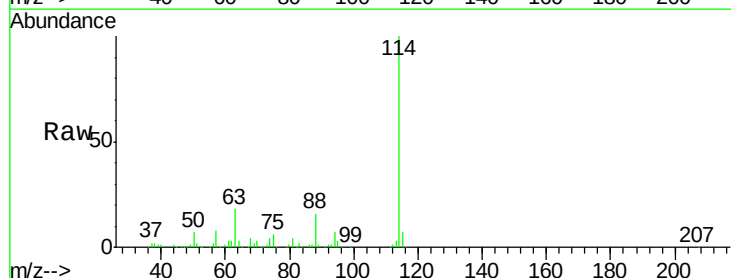
Manual Integrations
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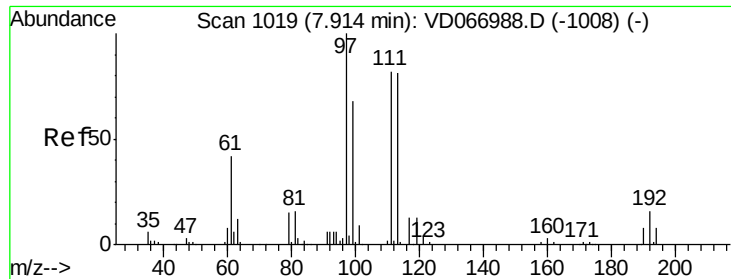
MMDadoda
 10/2/2020 3:13:23 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066989.D
 Acq: 01 Oct 2020 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	777906		
63	18.4	0.0	38.4	
88	15.8	0.0	31.2	





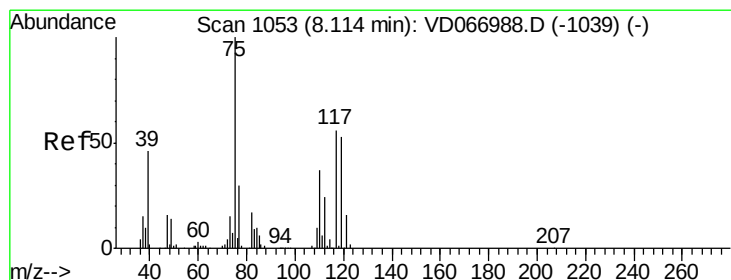
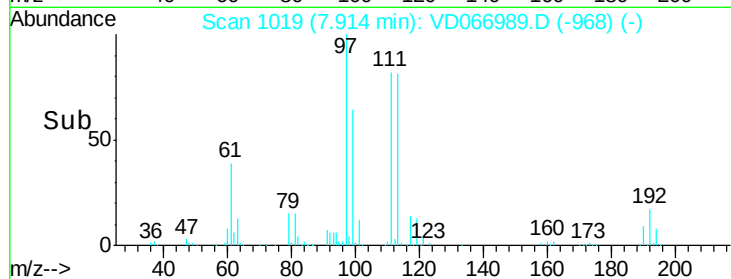
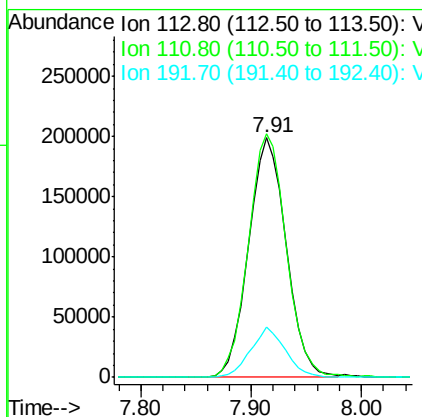
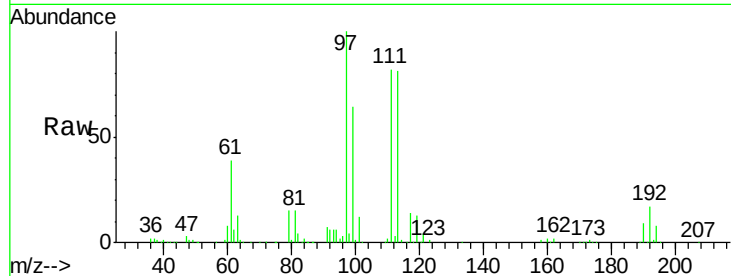
#35
 Dibromofluoromethane
 Concen: 93.458 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD066989.D
 Acq: 01 Oct 2020 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	475962		
111	102.6	83.0	124.4	
192	19.5	15.5	23.3	

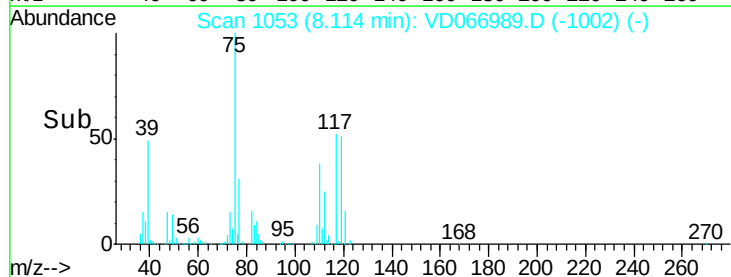
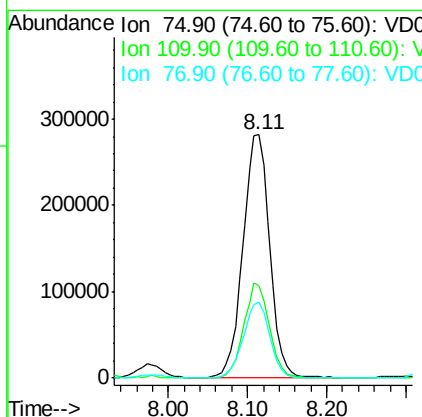
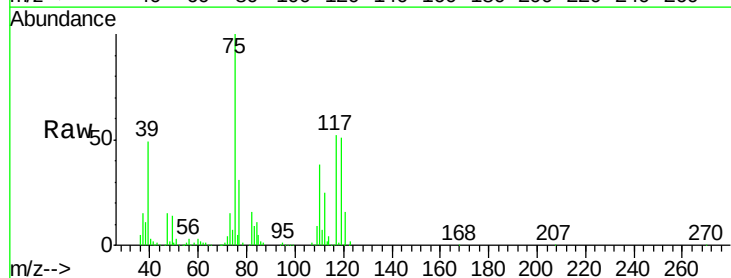
Manual Integrations
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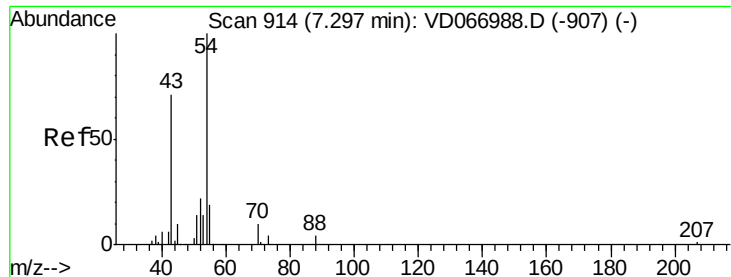
MMDadoda
 10/2/2020 3:13:23 PM



#36
 1,1-Dichloropropene
 Concen: 90.922 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD066989.D
 Acq: 01 Oct 2020 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	659273		
110	37.8	18.4	55.0	
77	30.9	24.8	37.2	





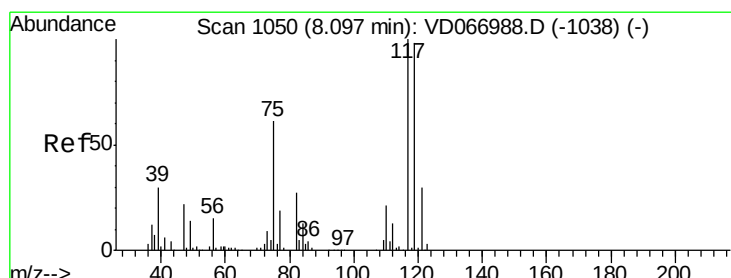
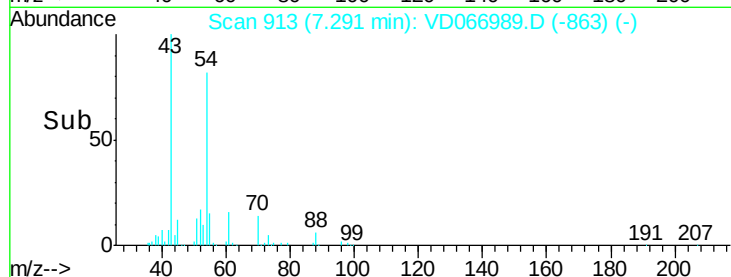
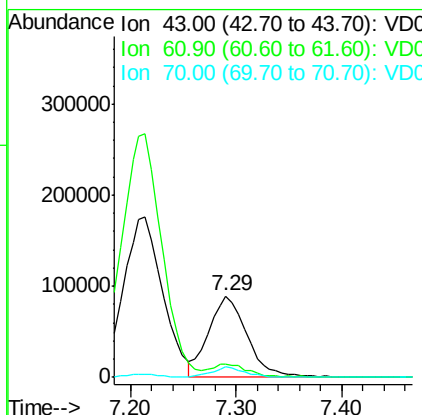
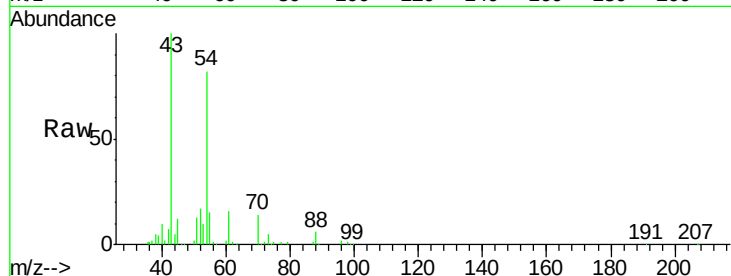
#37
Ethyl Acetate
Concen: 88.515 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD066989.D
Acq: 01 Oct 2020 13:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.3	12.5	18.7
70	11.4	9.4	14.0

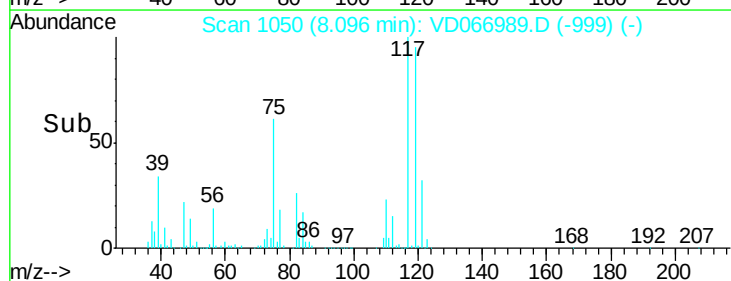
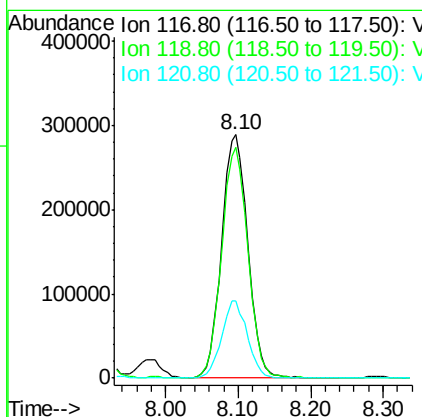
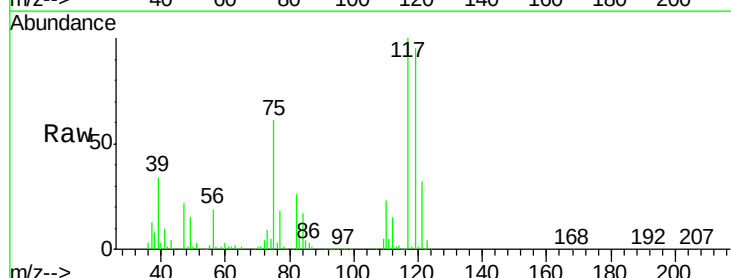
Manual Integrations
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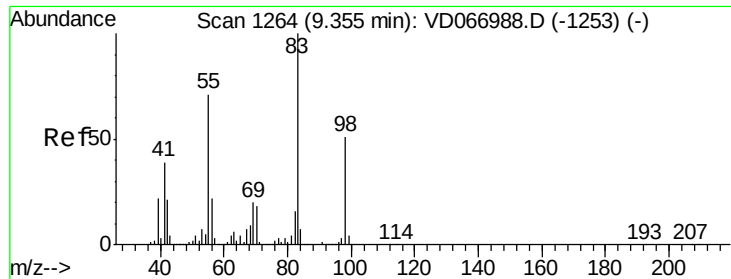
MMDadoda
10/2/2020 3:13:23 PM



#38
Carbon Tetrachloride
Concen: 92.471 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD066989.D
Acq: 01 Oct 2020 13:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	78.7	118.1
121	31.5	24.2	36.2





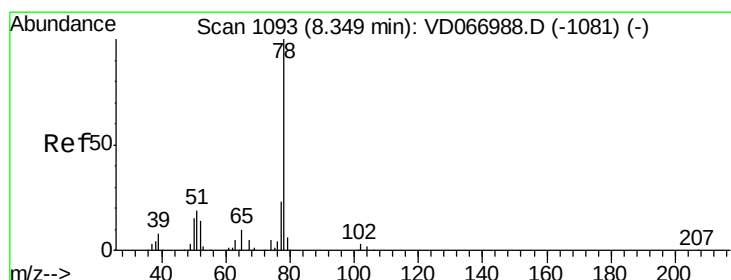
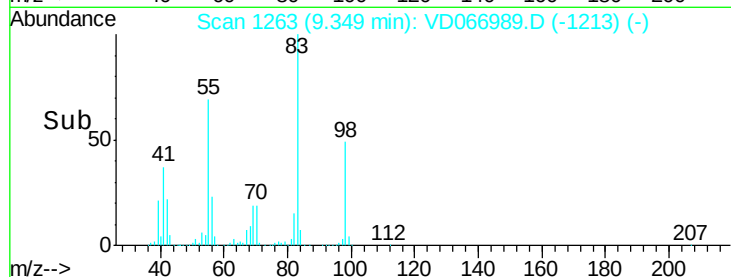
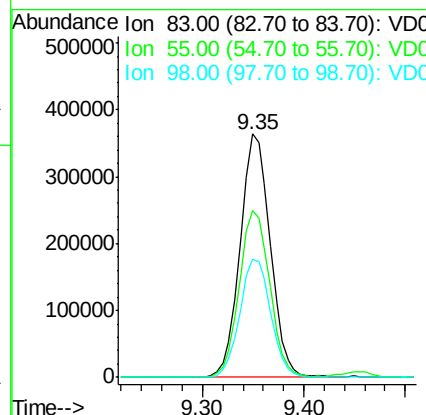
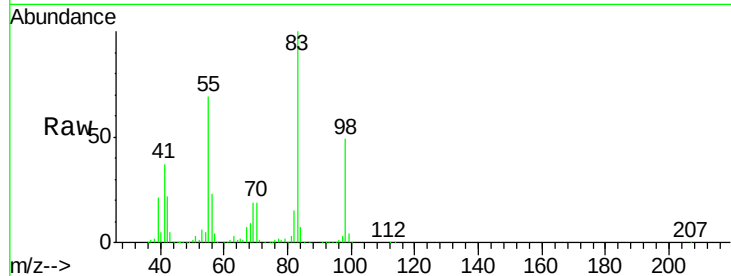
#39
Methylvlcyclohexane
Concen: 98.131 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD066989.D
Acq: 01 Oct 2020 13:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.7	57.1	85.7
98	48.7	40.9	61.3

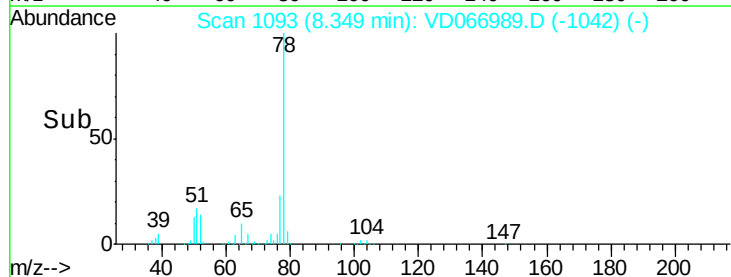
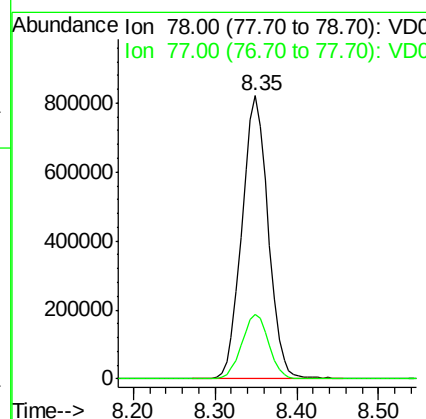
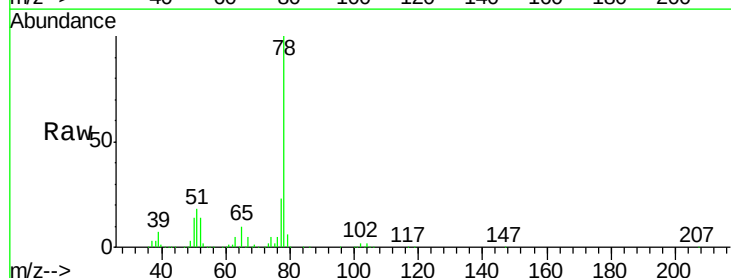
Manual Integrations
APPROVED

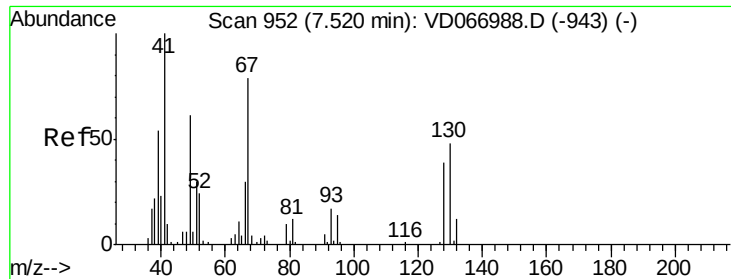
MMDadoda
10/2/2020 3:13:23 PM



#40
Benzene
Concen: 91.240 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD066989.D
Acq: 01 Oct 2020 13:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.4	27.6





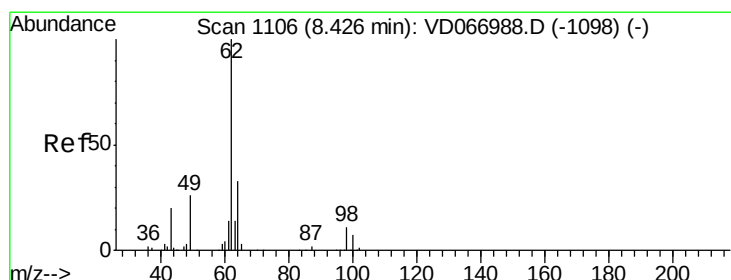
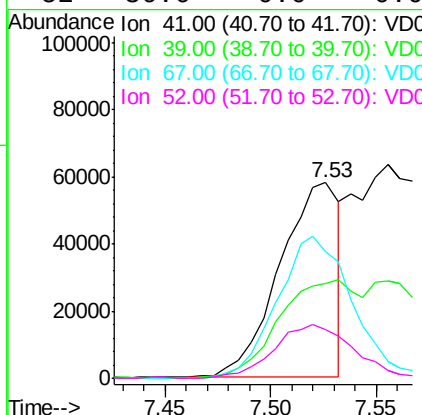
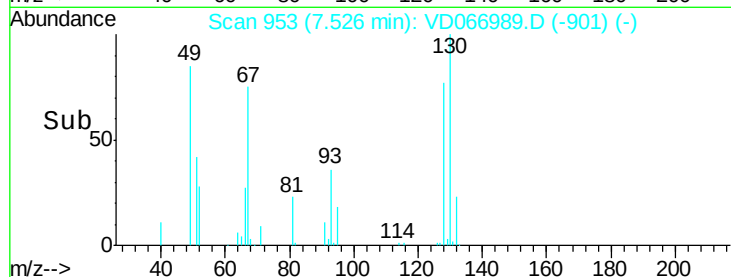
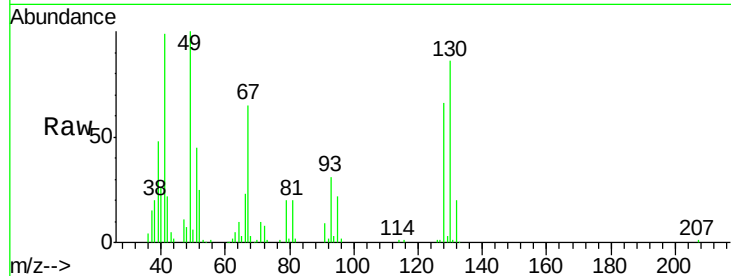
#41
Methacrylonitrile
Concen: 84.193 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.01 min
Lab File: VD066989.D
Acq: 01 Oct 2020 13:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	67.9	0.0	0.0#
67	92.1	0.0	0.0#
52	36.6	0.0	0.0#

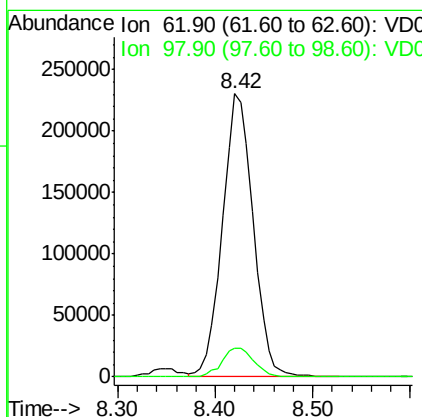
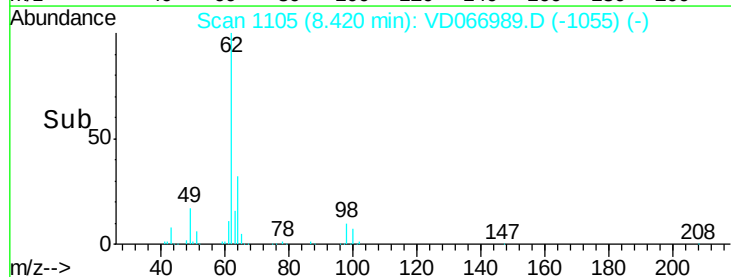
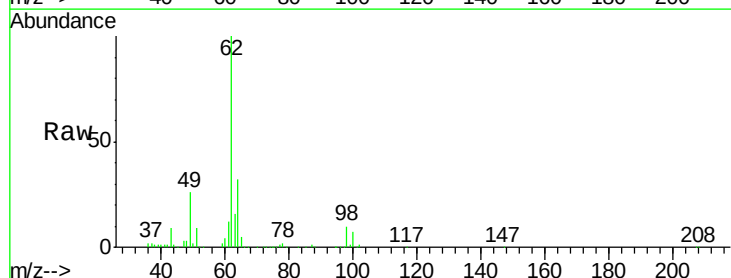
Manual Integrations
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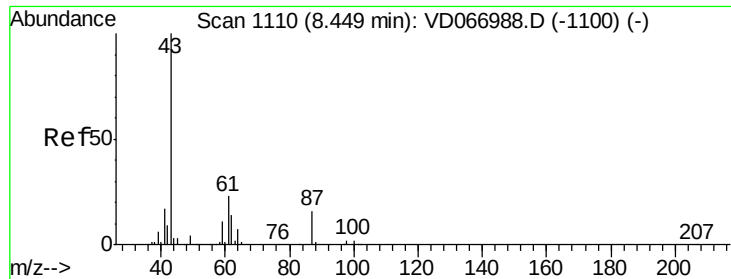
MMDadoda
10/2/2020 3:13:23 PM



#42
1,2-Dichloroethane
Concen: 88.974 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VD066989.D
Acq: 01 Oct 2020 13:14

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	22.6





#43

Isopropyl Acetate

Concen: 92.936 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD066989.D

Acq: 01 Oct 2020 13:14

Instrument :

MSVOA_D

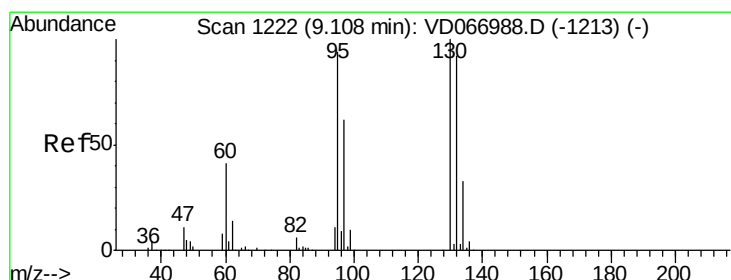
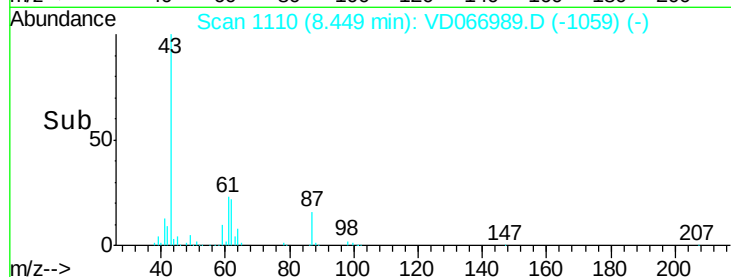
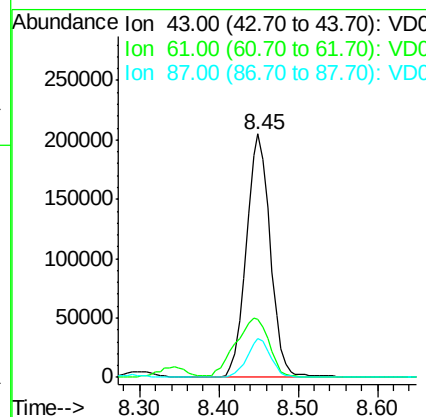
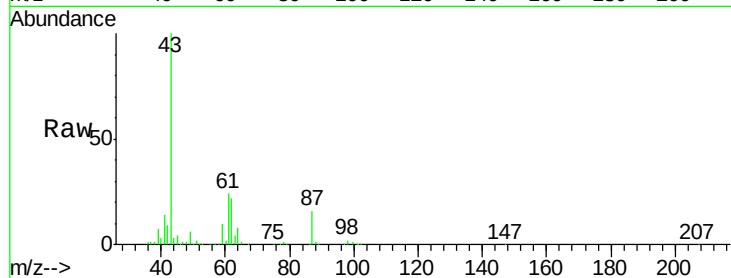
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	430063
Ion	Ratio	Lower	Upper
43	100		
61	34.3	27.1	40.7
87	15.6	12.3	18.5

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#44

Trichloroethene

Concen: 92.039 ug/l

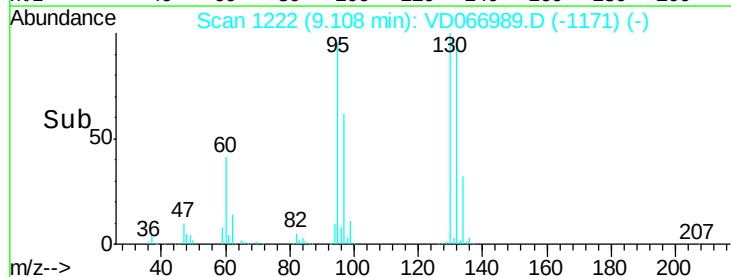
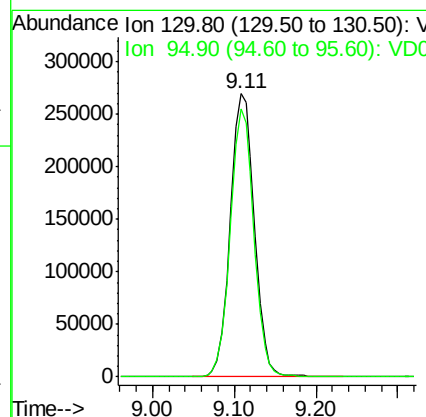
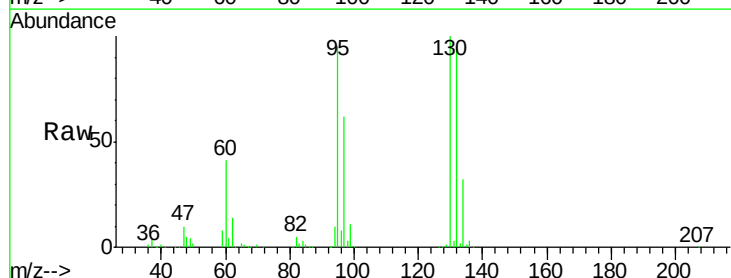
RT: 9.11 min Scan# 1222

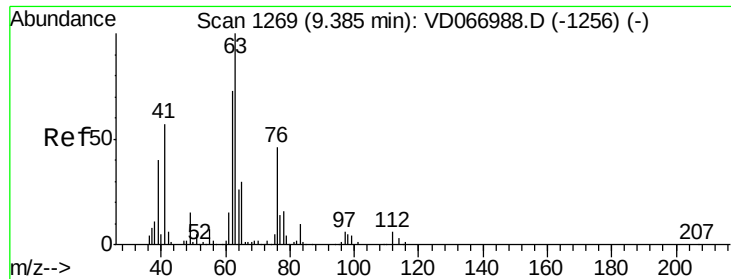
Delta R.T. -0.00 min

Lab File: VD066989.D

Acq: 01 Oct 2020 13:14

Tgt Ion:	130	Resp:	553521
Ion	Ratio	Lower	Upper
130	100		
95	94.5	0.0	187.8





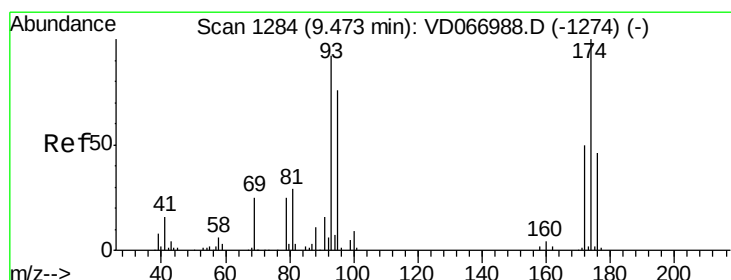
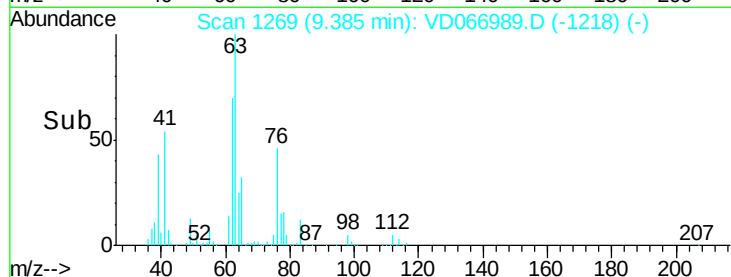
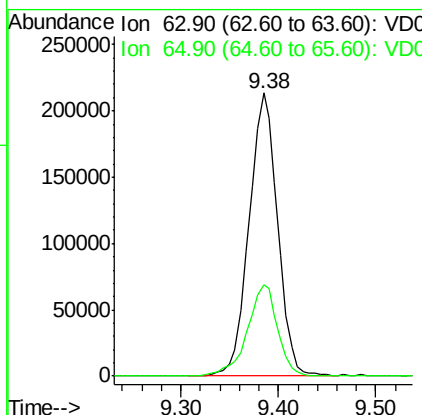
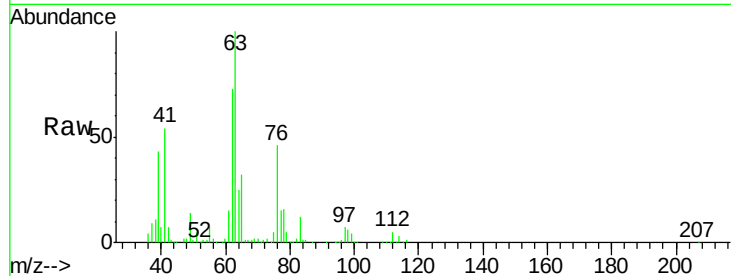
#45
 1,2-Dichloropropane
 Concen: 92.796 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VD066989.D
 Acq: 01 Oct 2020 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.4	23.7	35.5

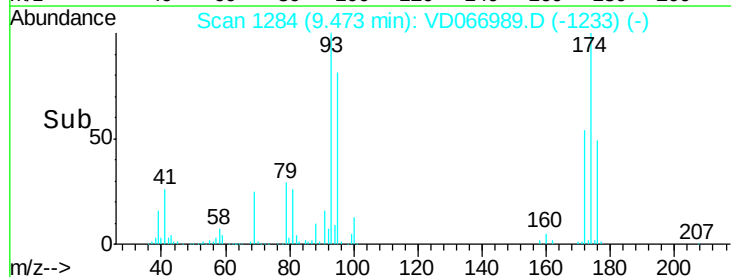
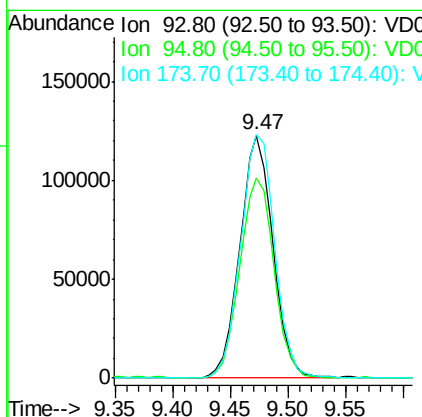
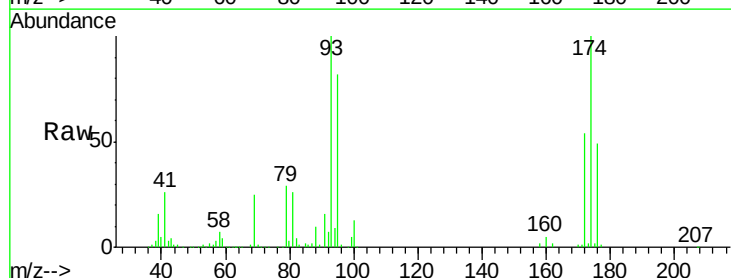
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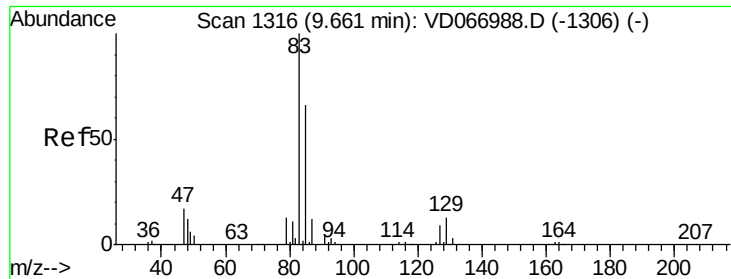
MMDadoda
 10/2/2020 3:13:23 PM



#46
 Dibromomethane
 Concen: 89.779 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.00 min
 Lab File: VD066989.D
 Acq: 01 Oct 2020 13:14

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.7	64.7	97.1
174	103.5	81.4	122.2





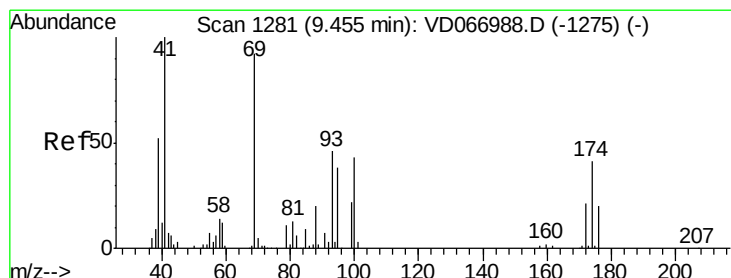
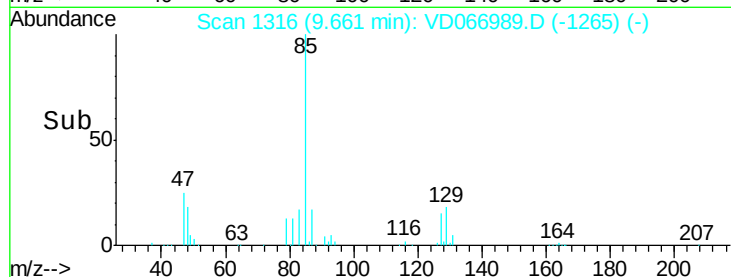
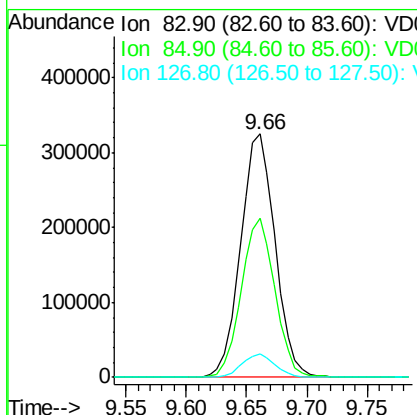
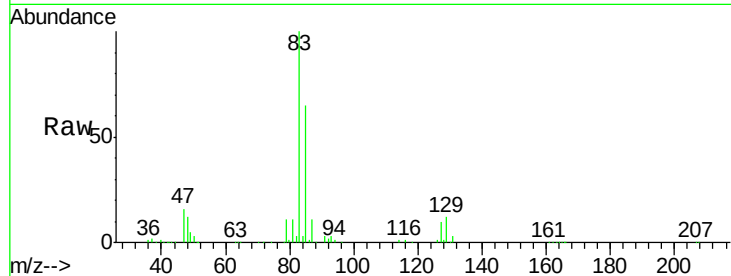
#47
Bromodichloromethane
Concen: 91.684 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VD066989.D
Acq: 01 Oct 2020 13:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	648197		
85	65.1	52.9	79.3	
127	9.7	7.3	10.9	

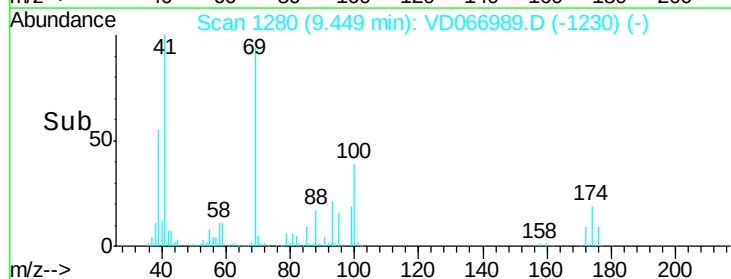
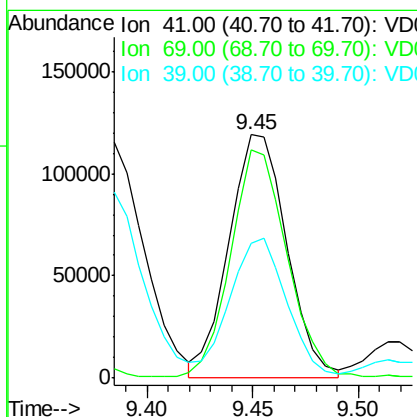
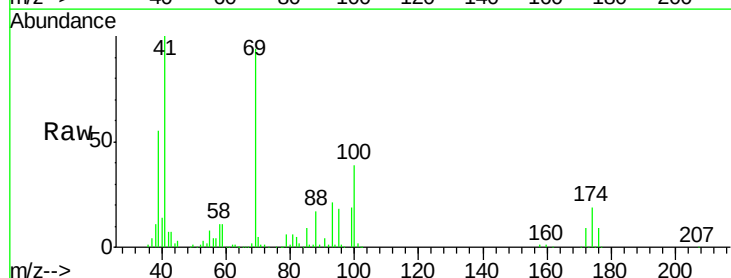
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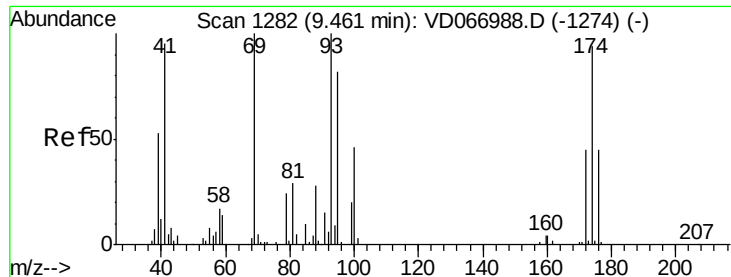
MMDadoda
10/2/2020 3:13:23 PM



#48
Methyl methacrylate
Concen: 95.486 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD066989.D
Acq: 01 Oct 2020 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	226373		
69	91.0	68.5	102.7	
39	53.3	40.2	60.2	





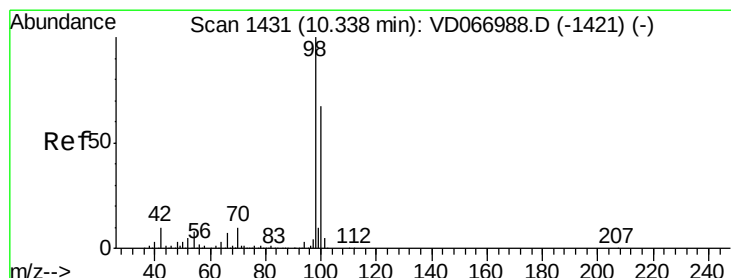
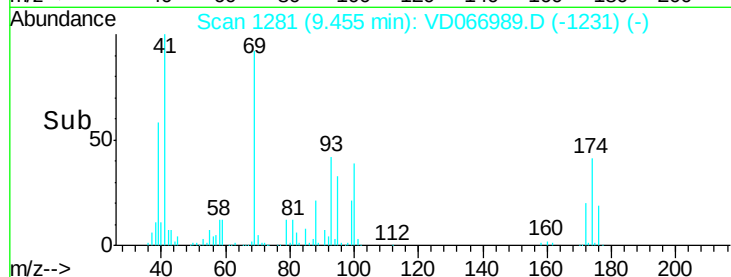
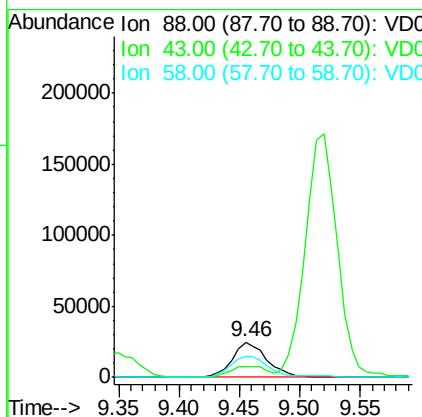
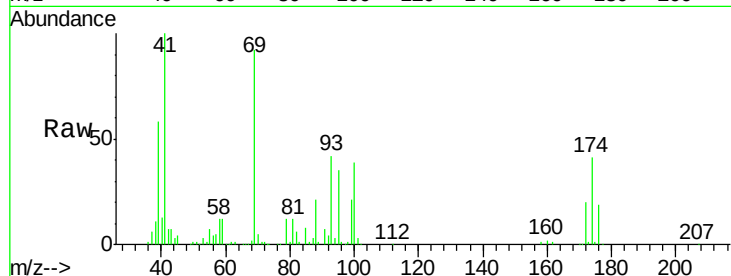
#49
1,4-Dioxane
Concen: 1752.527 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD066989.D
Acq: 01 Oct 2020 13:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	88	Resp	49747
Ion	Ratio	Lower	Upper
88	100		
43	33.0	25.6	38.4
58	65.5	53.5	80.3

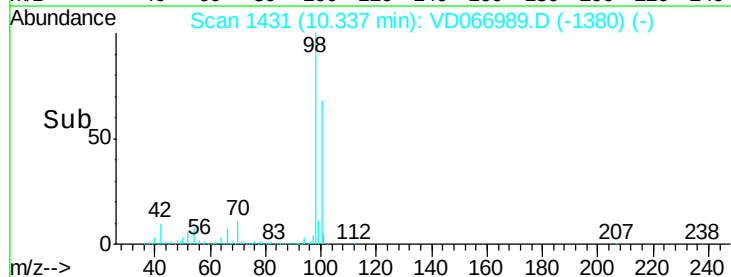
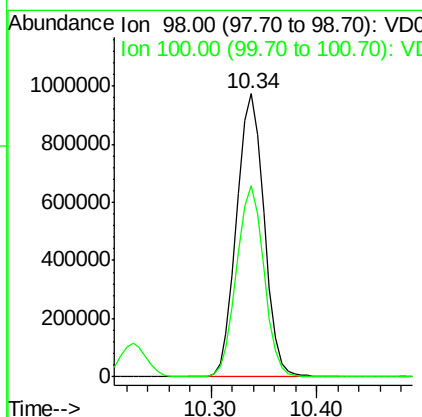
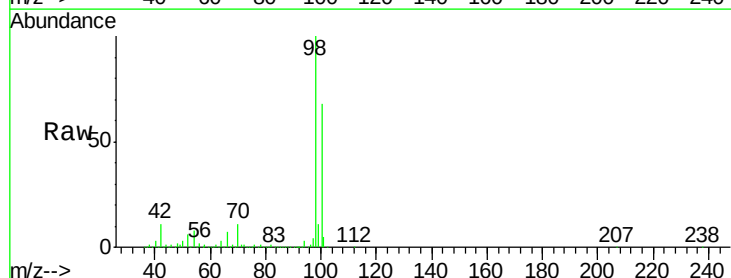
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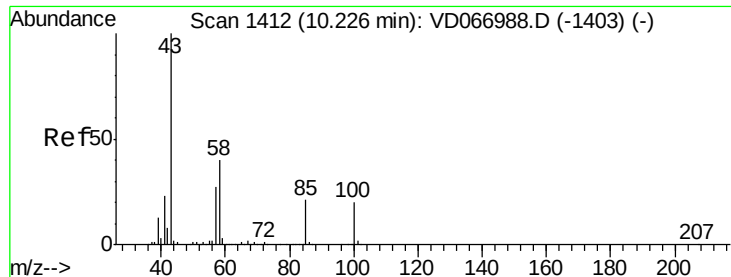
MMDadoda
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#50
Toluene-d8
Concen: 94.770 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066989.D
Acq: 01 Oct 2020 13:14

Tgt Ion	98	Resp	1758697
Ion	Ratio	Lower	Upper
98	100		
100	67.3	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 462.052 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066989.D

Acq: 01 Oct 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1065008

Ion Ratio Lower Upper

43 100

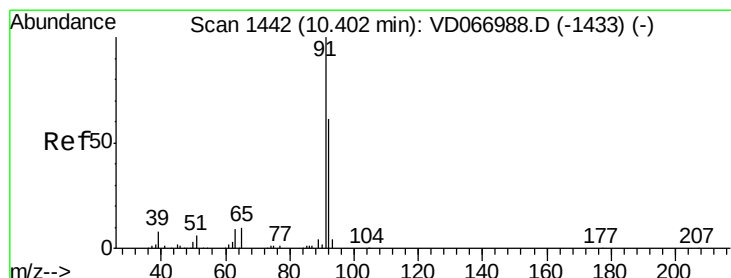
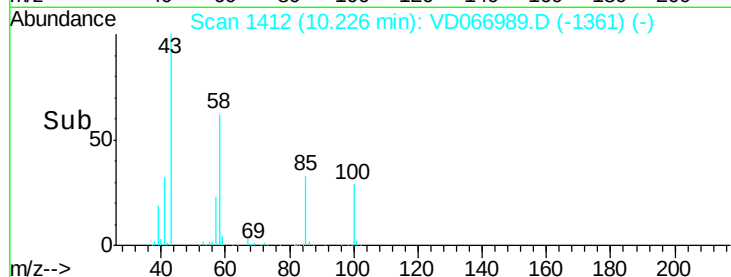
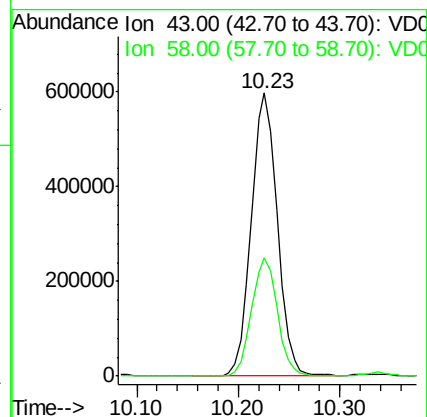
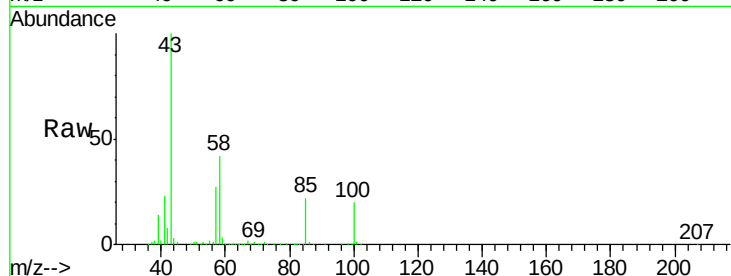
58 41.7 33.8 50.8

Manual Integrations

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#52

Toluene

Concen: 93.225 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD066989.D

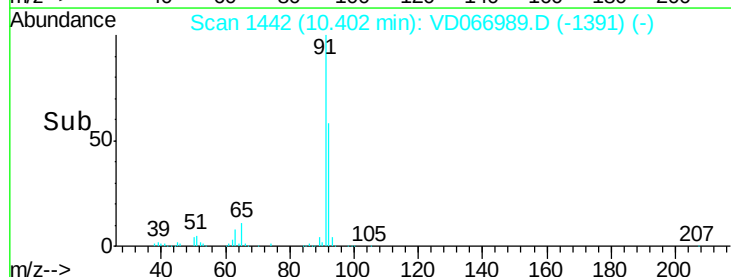
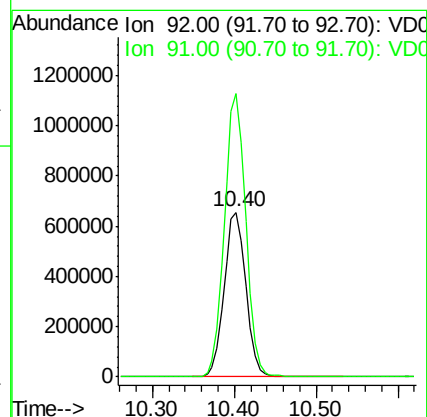
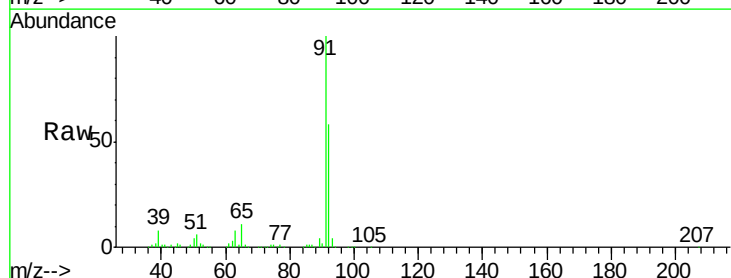
Acq: 01 Oct 2020 13:14

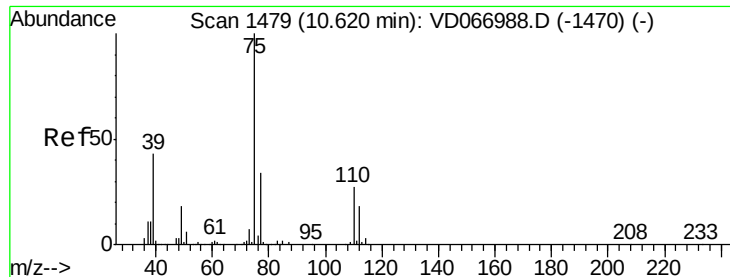
Tgt Ion: 92 Resp: 1209464

Ion Ratio Lower Upper

92 100

91 169.7 135.1 202.7





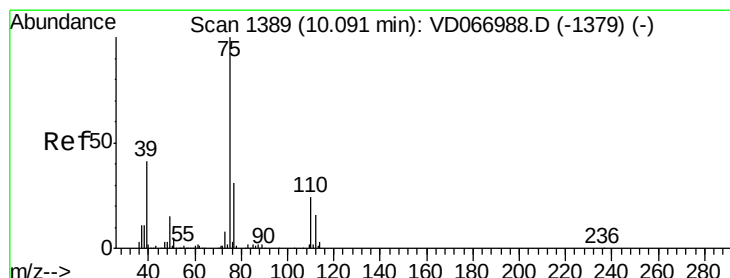
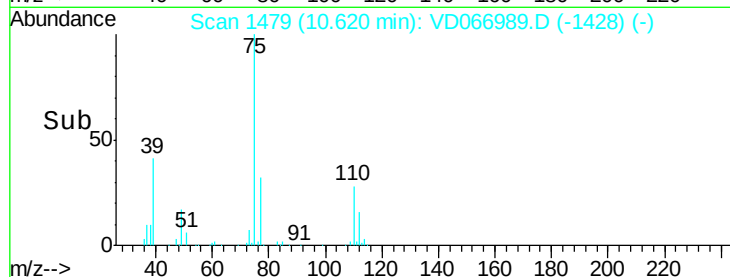
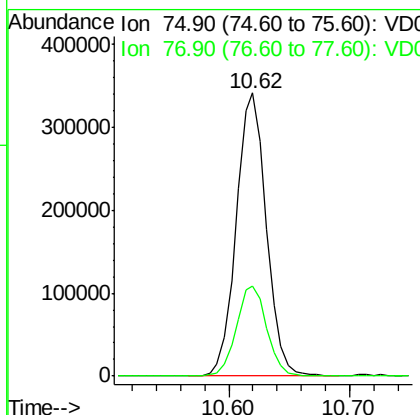
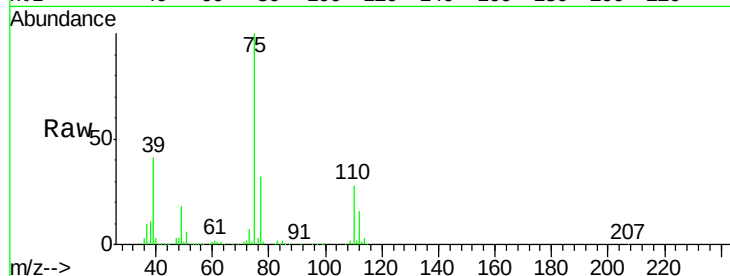
#53
 t-1,3-Dichloropropene
 Concen: 93.703 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD066989.D
 Acq: 01 Oct 2020 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	27.1	40.7

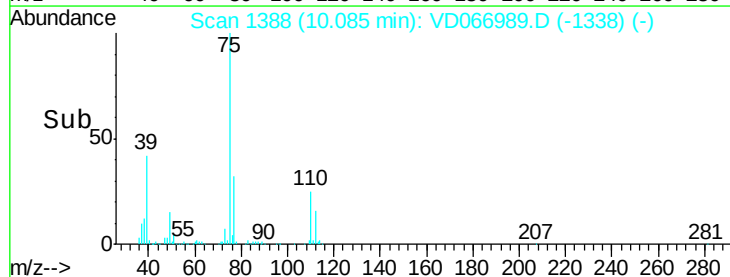
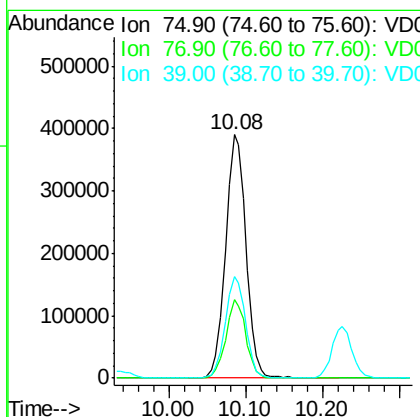
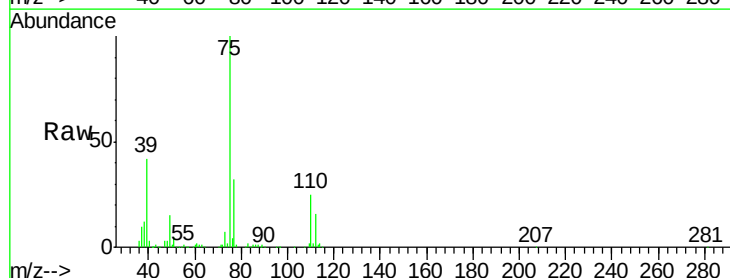
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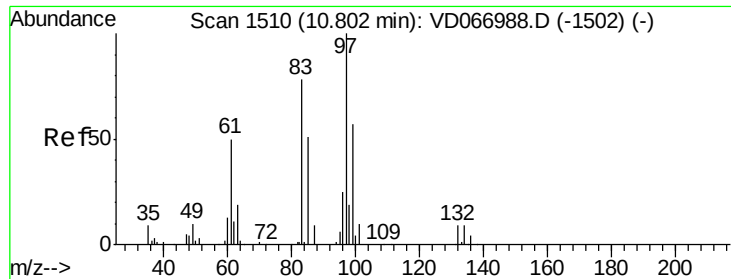
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 93.278 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. -0.01 min
 Lab File: VD066989.D
 Acq: 01 Oct 2020 13:14

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.6	37.0
39	41.6	33.0	49.4





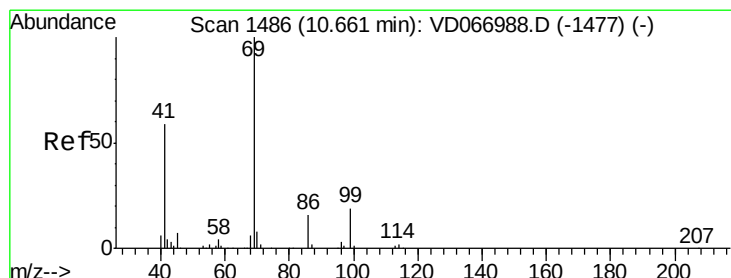
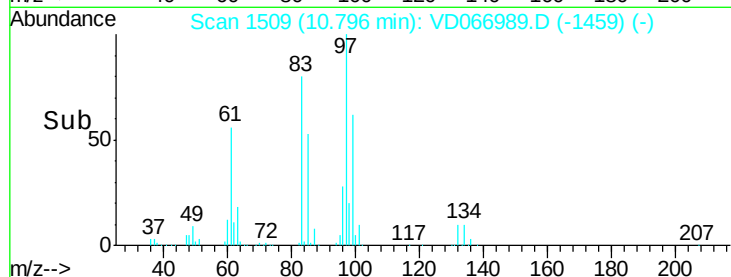
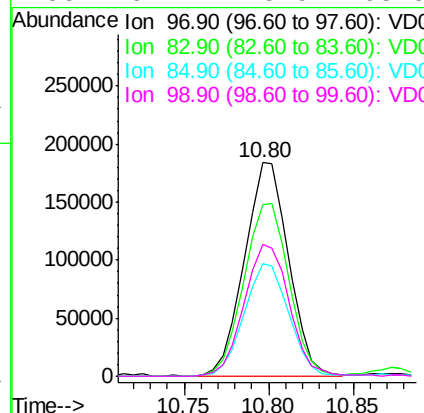
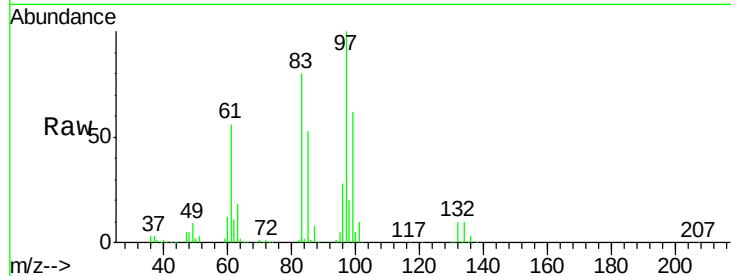
#55
 1,1,2-Trichloroethane
 Concen: 88.825 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066989.D
 Acq: 01 Oct 2020 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	335875
Ion	Ratio	Lower	Upper
97	100		
83	80.3	62.4	93.6
85	52.6	41.0	61.4
99	61.7	45.9	68.9

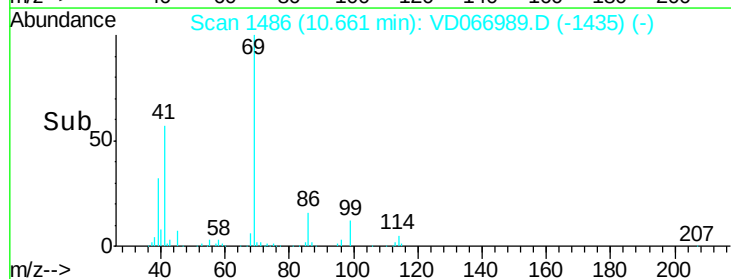
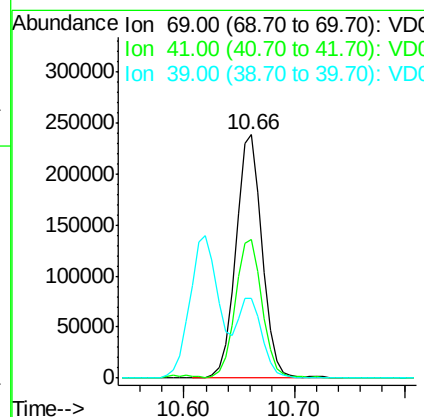
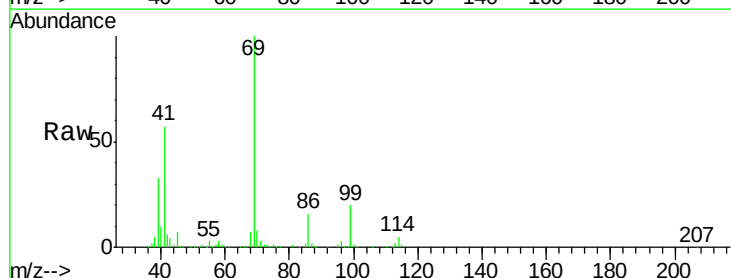
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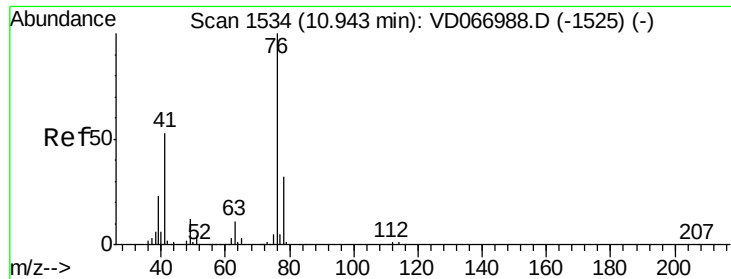
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 101.718 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD066989.D
 Acq: 01 Oct 2020 13:14

Tgt Ion:	69	Resp:	397105
Ion	Ratio	Lower	Upper
69	100		
41	57.9	46.4	69.6
39	29.6	23.8	35.6





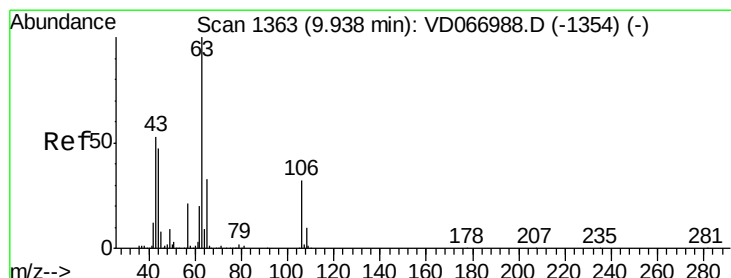
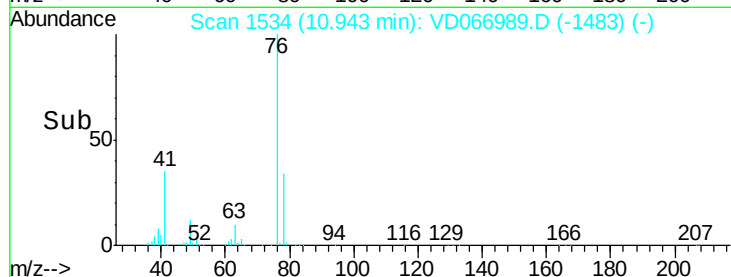
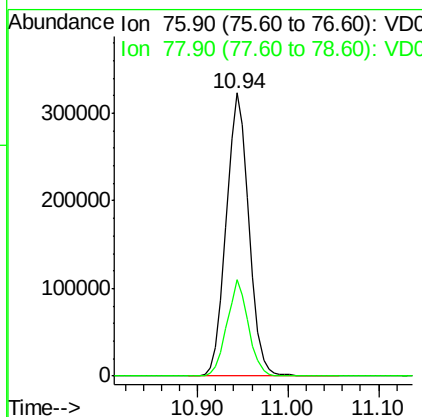
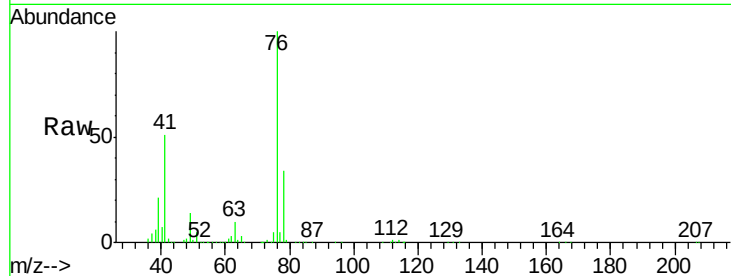
#57
 1,3-Dichloropropane
 Concen: 91.419 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD066989.D
 Acq: 01 Oct 2020 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.8

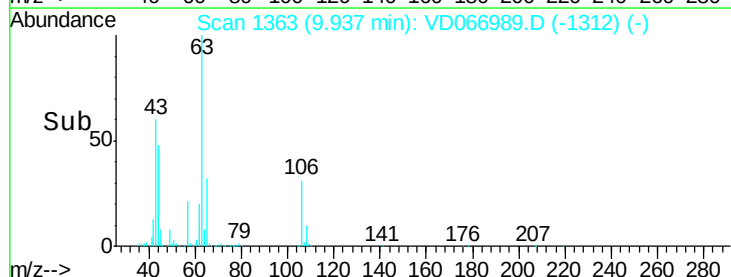
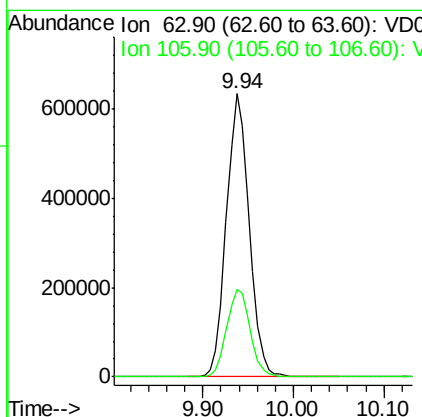
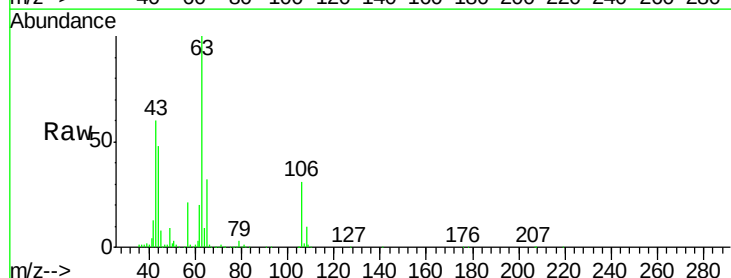
Manual Integrations
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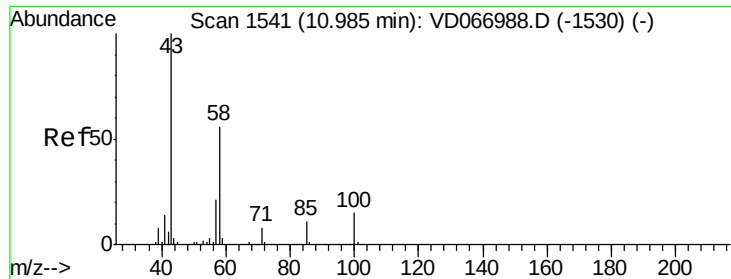
MMDadoda
 10/2/2020 3:13:23 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 511.118 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VD066989.D
 Acq: 01 Oct 2020 13:14

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.8	25.3	37.9





#59

2-Hexanone

Concen: 465.926 ug/l

RT: 10.98 min Scan# 1541

Delta R.T. -0.00 min

Lab File: VD066989.D

Acq: 01 Oct 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 716790

Ion Ratio Lower Upper

43 100

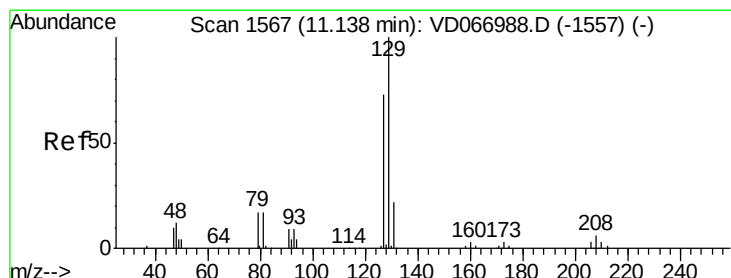
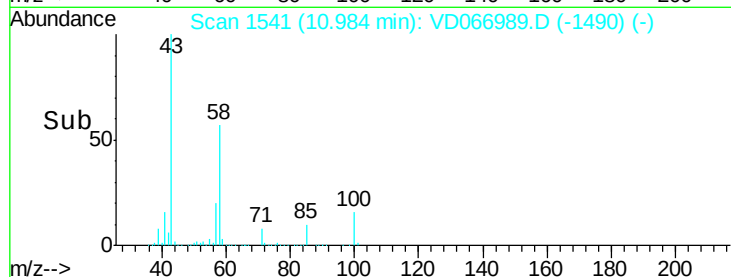
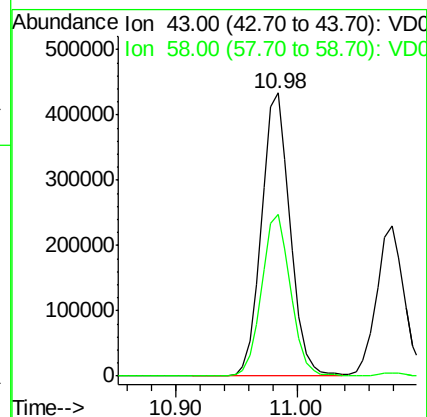
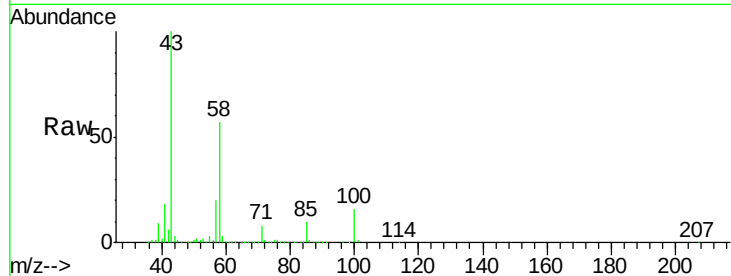
58 57.7 28.3 84.9

Manual Integrations

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MMDadoda

10/2/2020 3:13:23 PM



#60

Dibromochloromethane

Concen: 89.835 ug/l

RT: 11.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VD066989.D

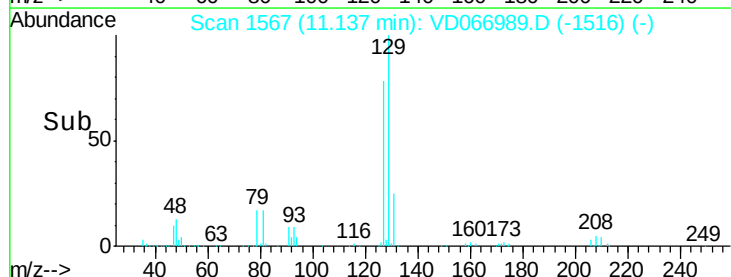
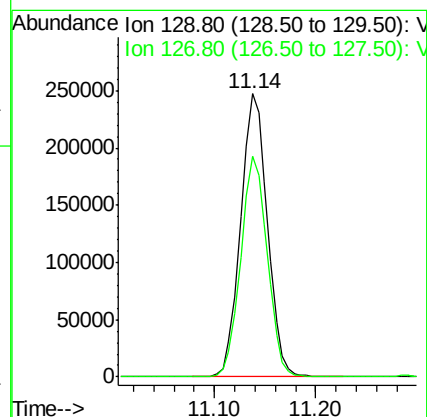
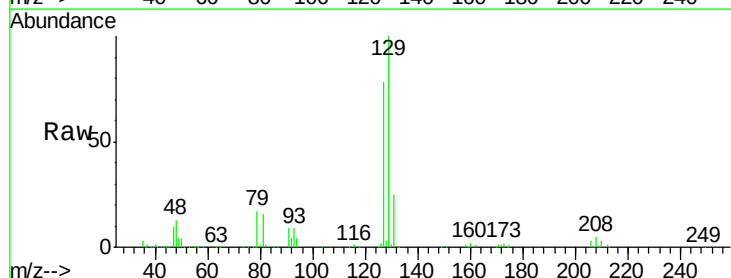
Acq: 01 Oct 2020 13:14

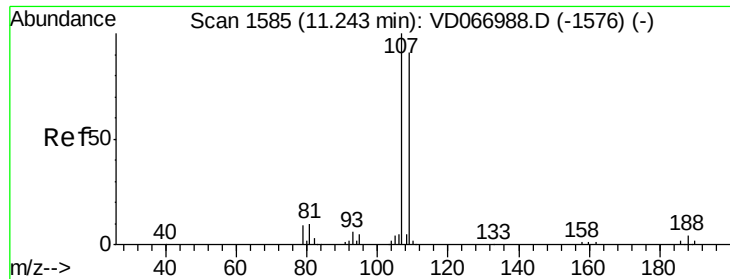
Tgt Ion: 129 Resp: 452758

Ion Ratio Lower Upper

129 100

127 77.0 37.4 112.1





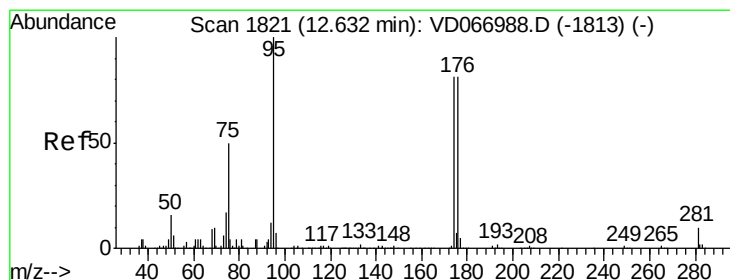
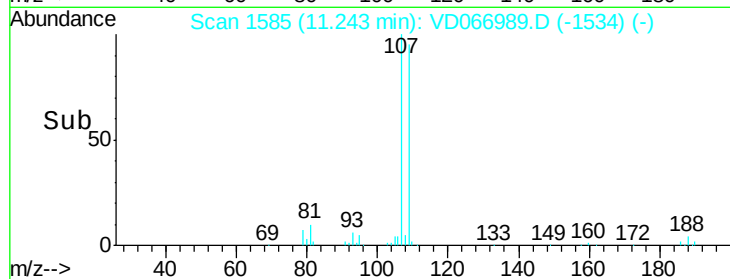
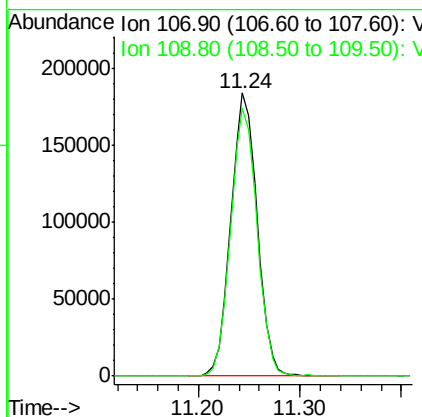
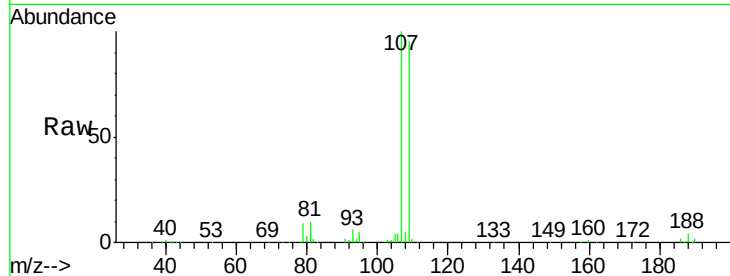
#61
 1,2-Dibromoethane
 Concen: 91.237 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066989.D
 Acq: 01 Oct 2020 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	74.0	111.0

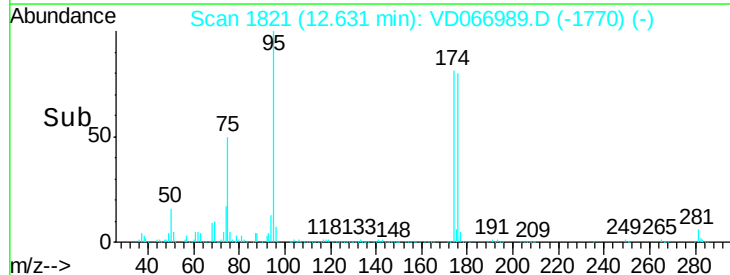
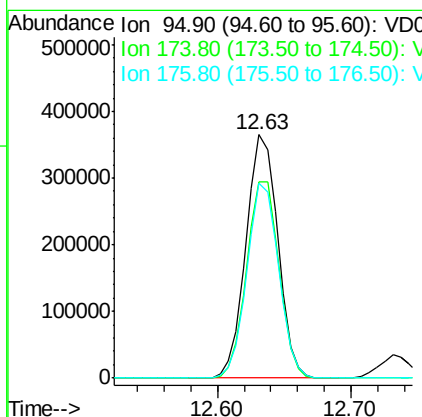
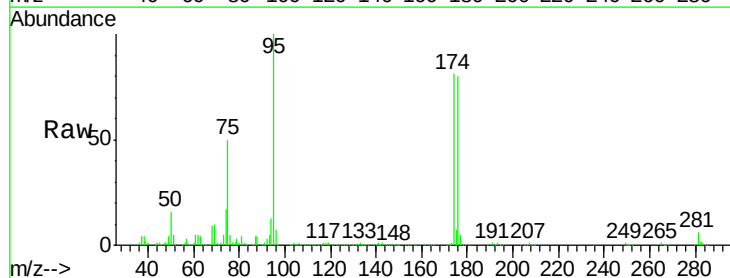
Manual Integrations
 APPROVED

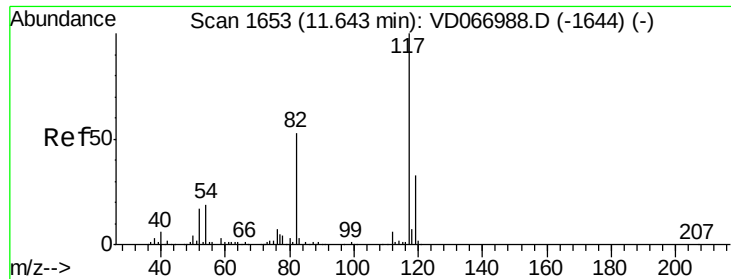
MMDadoda
 10/2/2020 3:13:23 PM



#62
 4-Bromofluorobenzene
 Concen: 95.500 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066989.D
 Acq: 01 Oct 2020 13:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.1	0.0	167.6
176	79.7	0.0	162.4





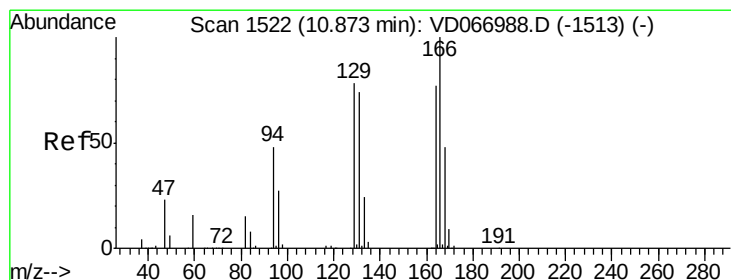
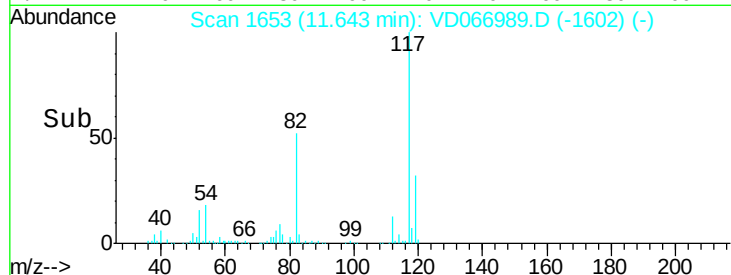
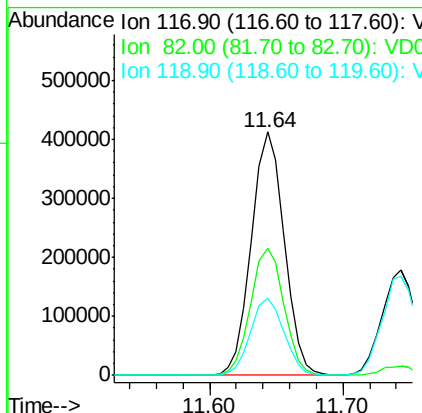
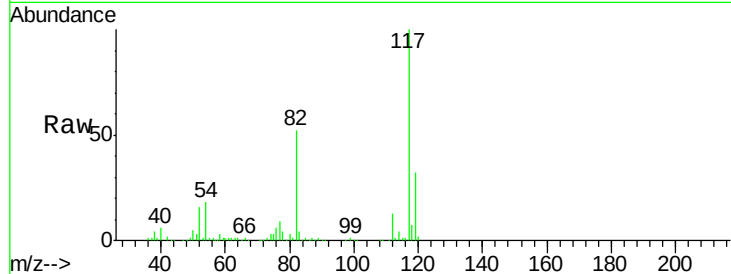
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066989.D
Acq: 01 Oct 2020 13:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	42.6	63.8
119	31.9	26.3	39.5

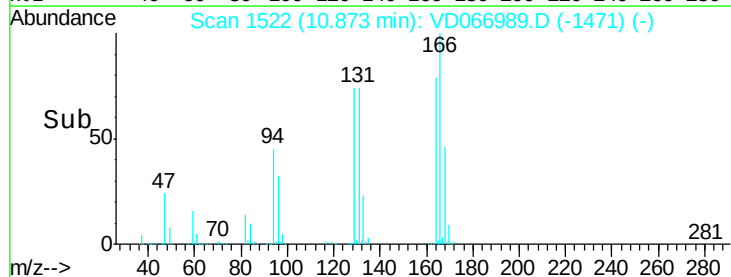
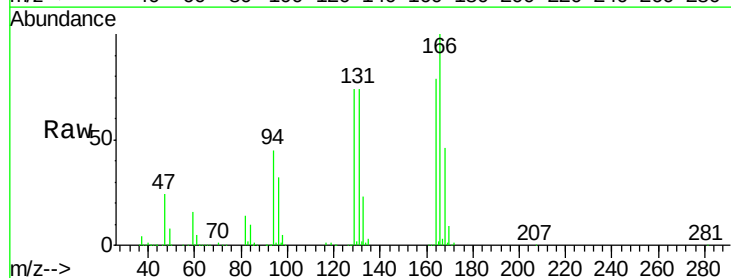
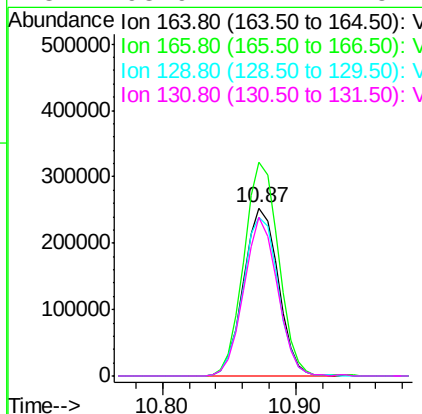
Manual Integrations
APPROVED

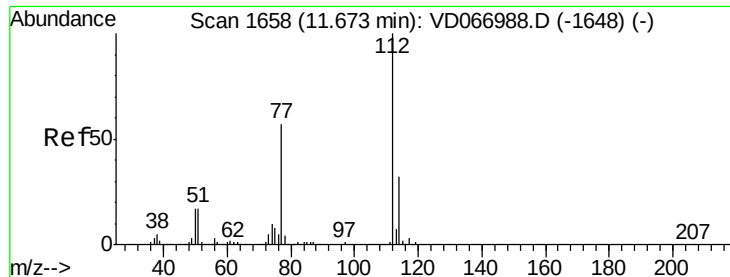
MMDadoda
10/2/2020 3:13:23 PM



#64
Tetrachloroethene
Concen: 89.472 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066989.D
Acq: 01 Oct 2020 13:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.9	104.4	156.6
129	94.4	81.3	121.9
131	93.9	77.1	115.7





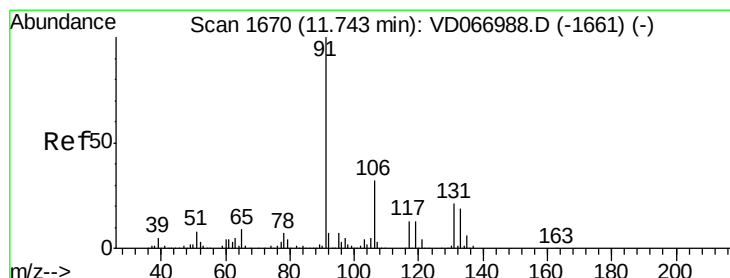
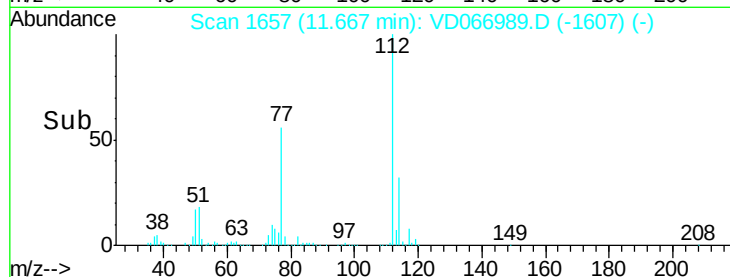
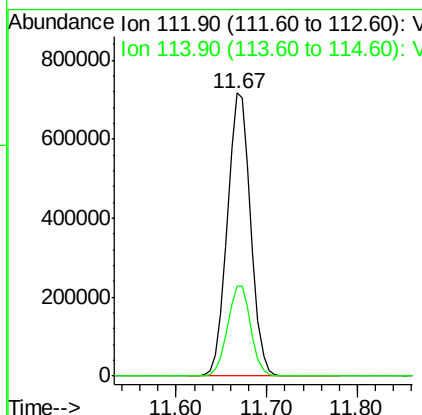
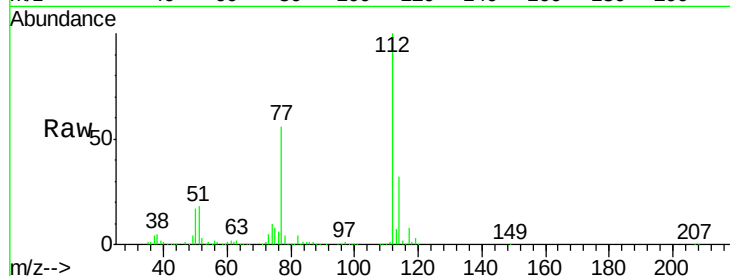
#65
Chlorobenzene
Concen: 91.396 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066989.D
Acq: 01 Oct 2020 13:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 1277530
Ion Ratio Lower Upper
112 100
114 31.7 25.4 38.0

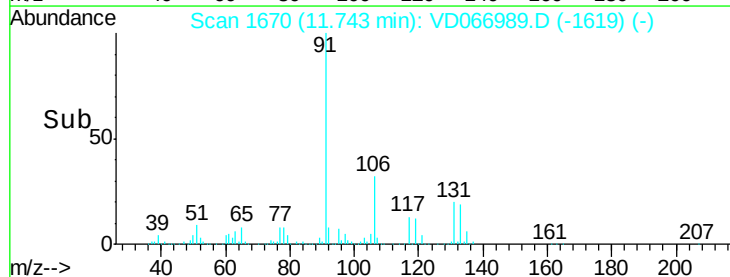
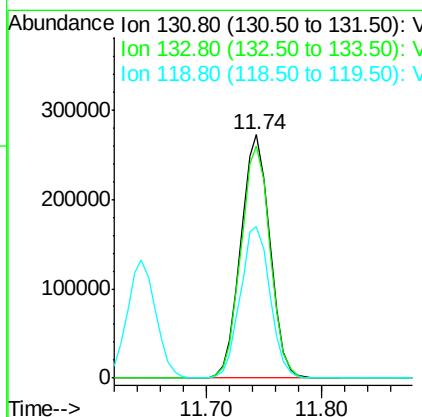
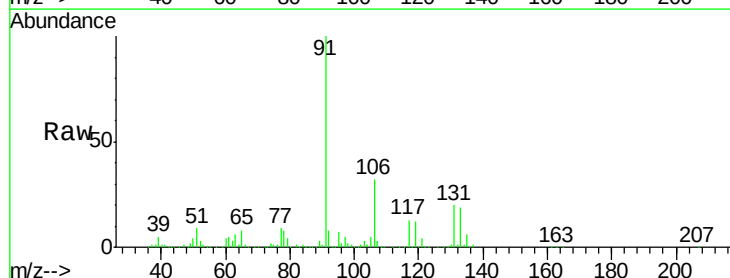
Manual Integrations
APPROVED

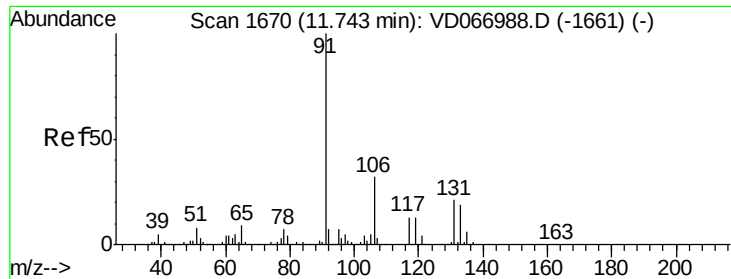
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 89.821 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066989.D
Acq: 01 Oct 2020 13:14

Tgt Ion:131 Resp: 477578
Ion Ratio Lower Upper
131 100
133 95.6 47.8 143.3
119 63.8 32.3 96.8





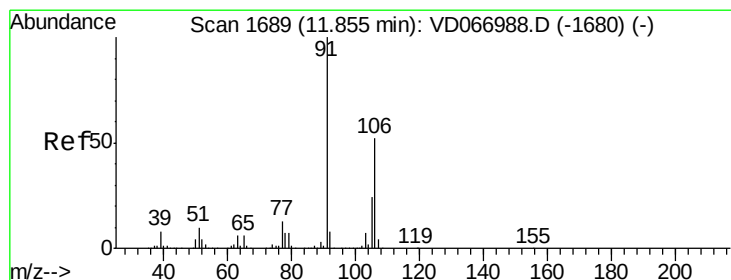
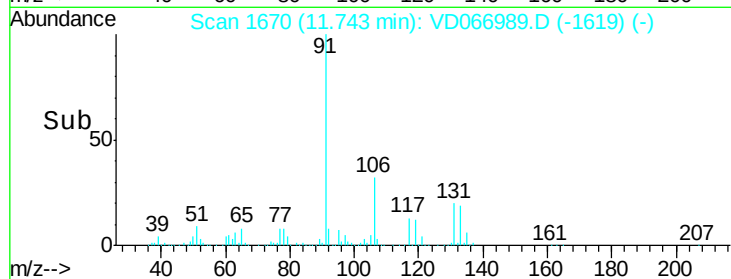
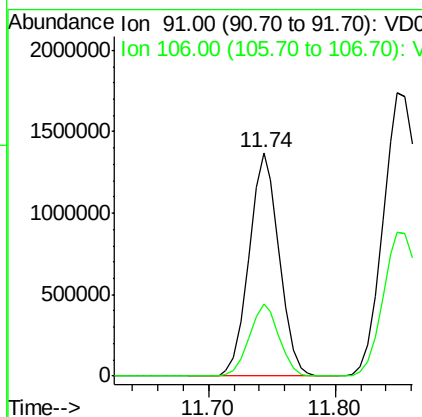
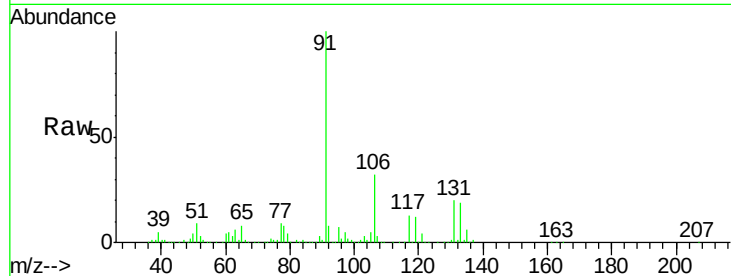
#67
Ethyl Benzene
Concen: 94.339 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066989.D
Acq: 01 Oct 2020 13:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 2259395
Ion Ratio Lower Upper
91 100
106 32.1 25.4 38.2

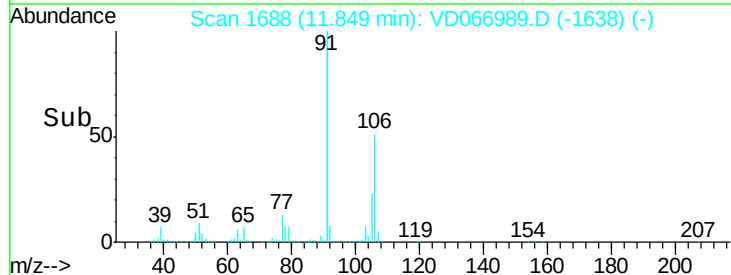
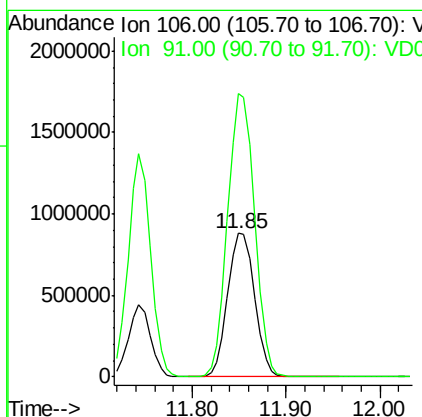
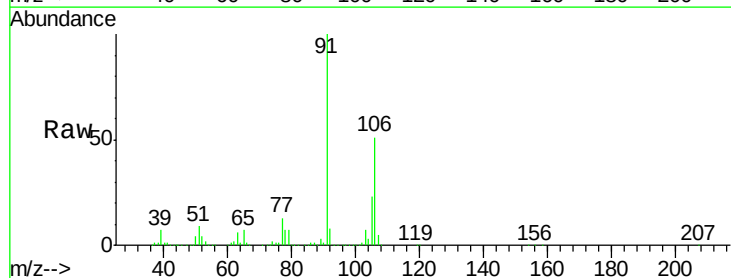
Manual Integrations
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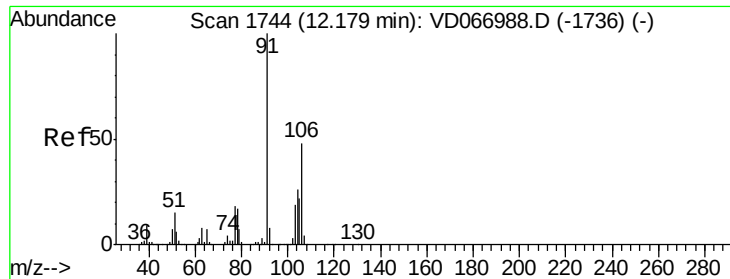
MMDadoda
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#68
m/p-Xylenes
Concen: 188.119 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD066989.D
Acq: 01 Oct 2020 13:14

Tgt Ion: 106 Resp: 1755833
Ion Ratio Lower Upper
106 100
91 197.1 158.4 237.6





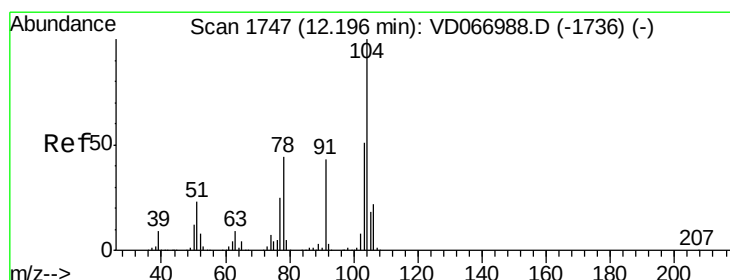
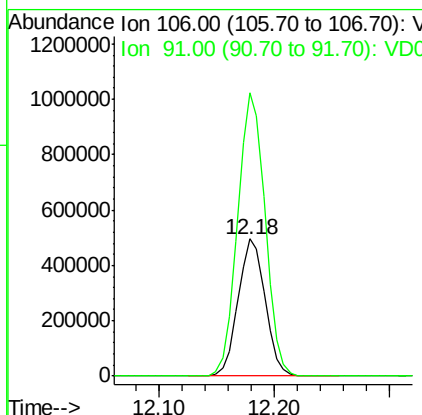
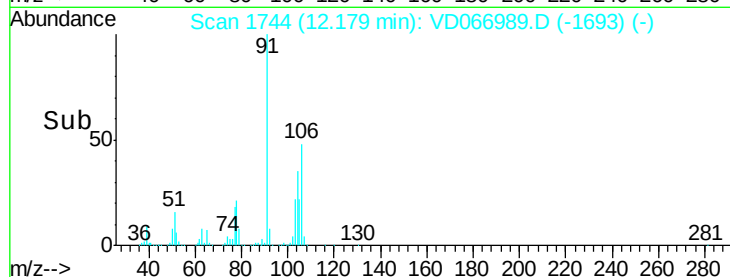
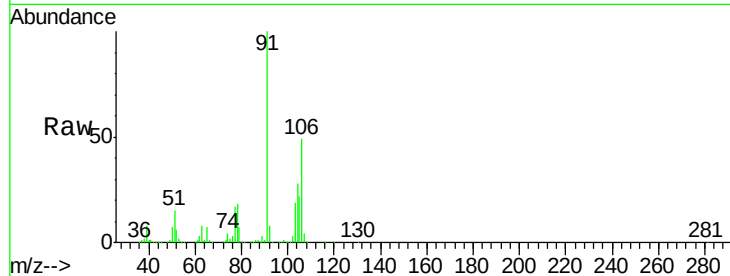
#69
o-Xylene
Concen: 96.712 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066989.D
Acq: 01 Oct 2020 13:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	208.2	102.4	307.2	

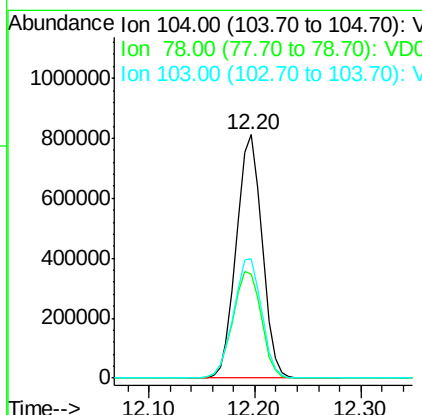
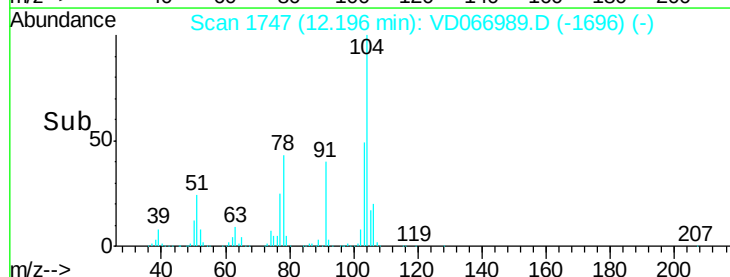
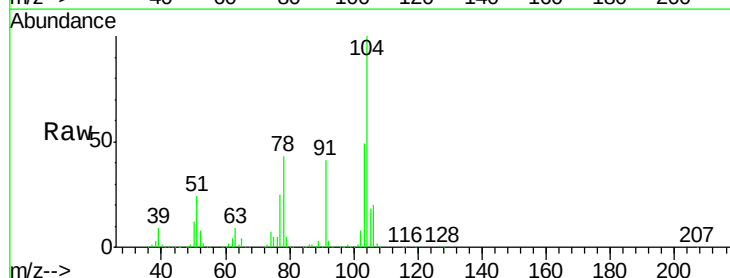
Manual Integrations
APPROVED

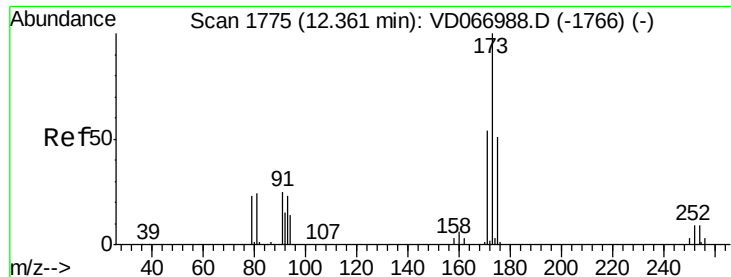
MMDadoda
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#70
Styrene
Concen: 95.111 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066989.D
Acq: 01 Oct 2020 13:14

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.6	38.6	58.0	
103	53.6	43.4	65.0	





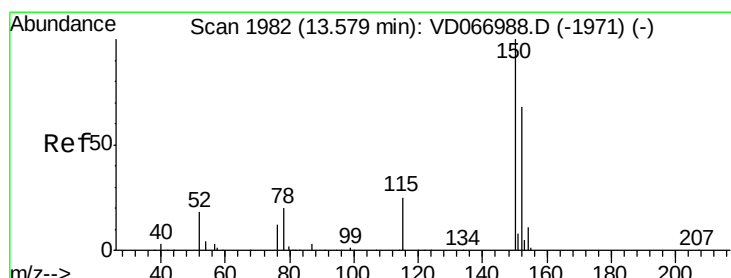
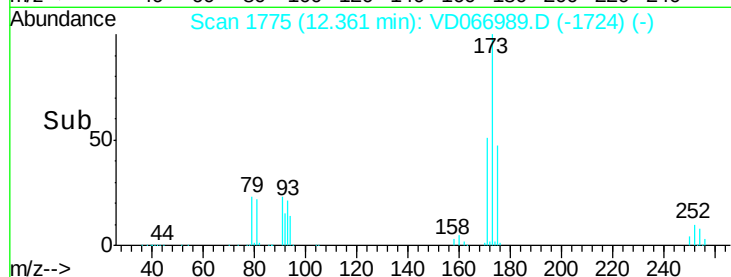
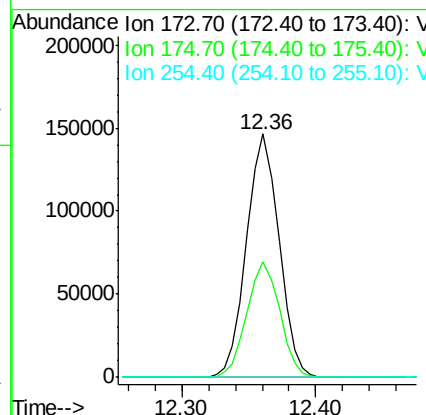
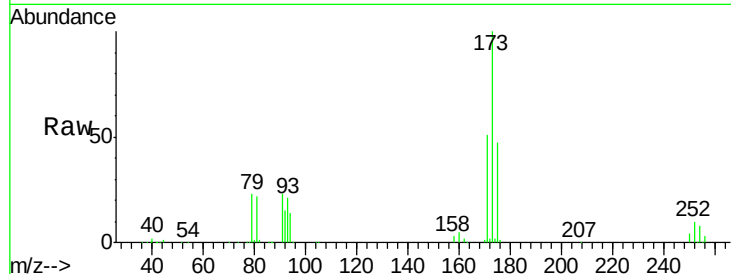
#71
Bromoform
Concen: 89.635 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD066989.D
Acq: 01 Oct 2020 13:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.9	74.7
254	0.1	0.2	0.4

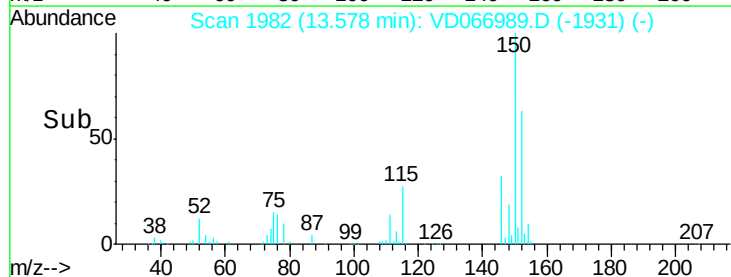
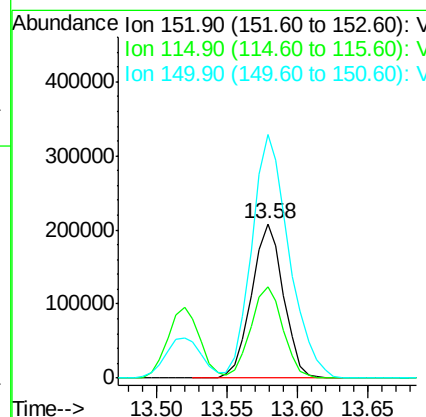
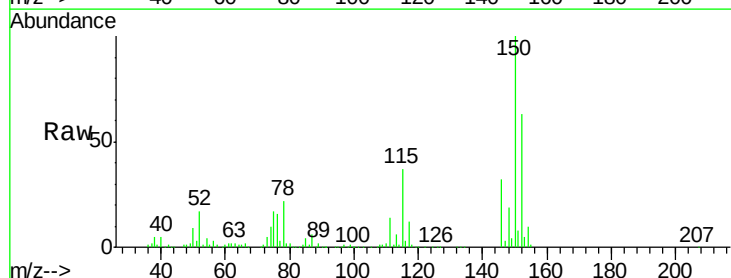
Manual Integrations
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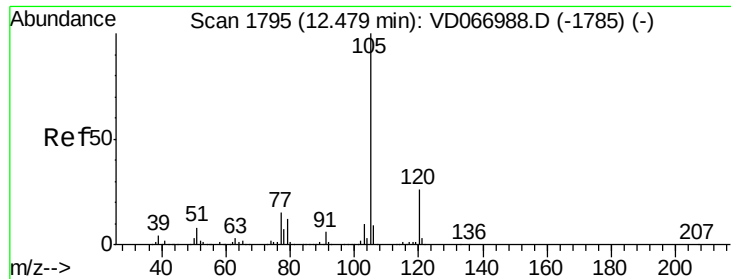
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066989.D
Acq: 01 Oct 2020 13:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	29.6	88.8
150	183.2	0.0	344.8





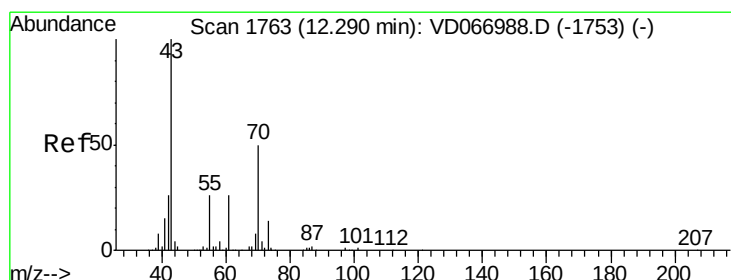
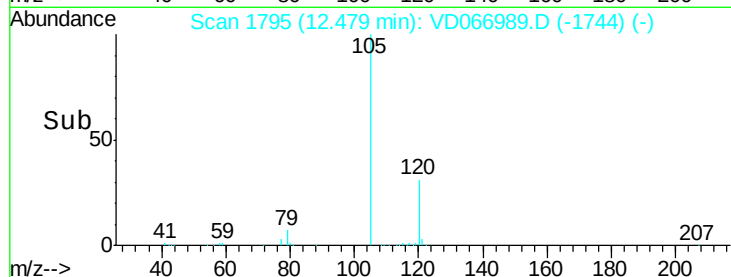
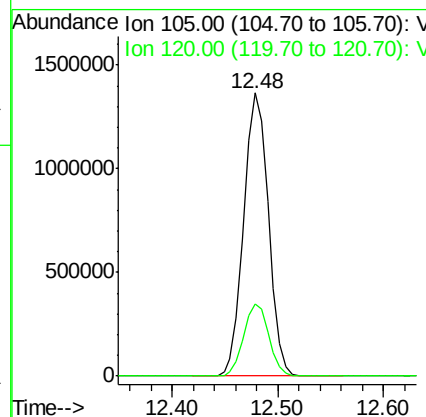
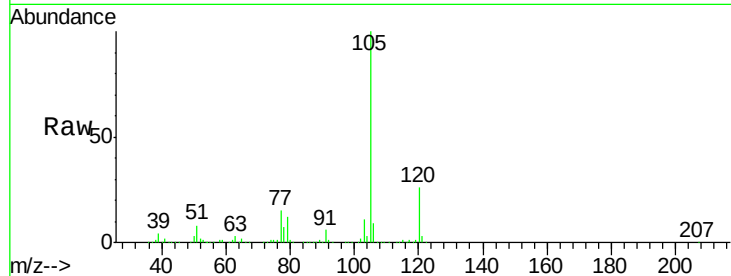
#73
Isopropylbenzene
Concen: 98.233 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VD066989.D
Acq: 01 Oct 2020 13:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:105 Resp: 2211455
Ion Ratio Lower Upper
105 100
120 26.1 13.3 39.9

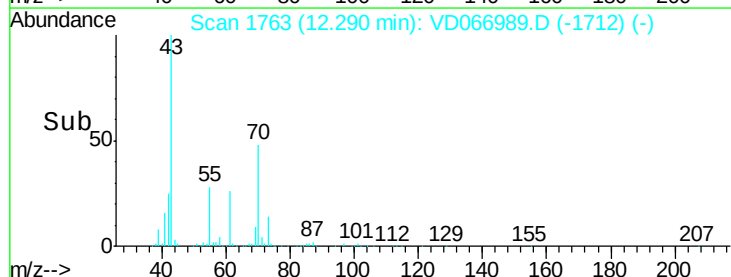
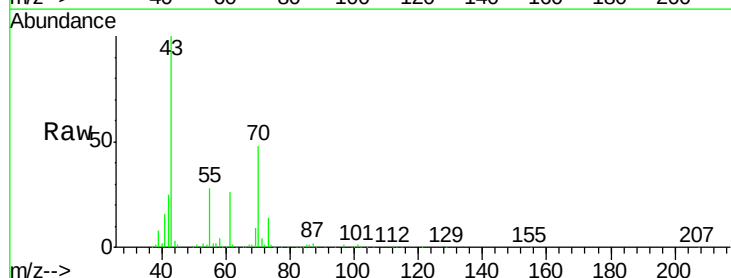
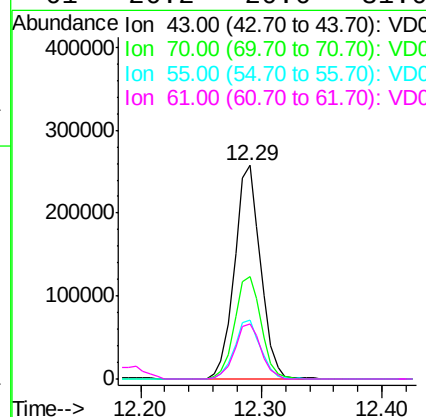
Manual Integrations
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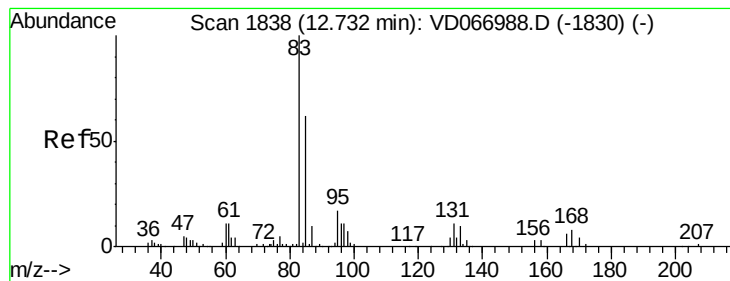
MMDadoda
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#74
N-ethyl acetate
Concen: 95.333 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VD066989.D
Acq: 01 Oct 2020 13:14

Tgt Ion: 43 Resp: 385809
Ion Ratio Lower Upper
43 100
70 48.8 38.2 57.2
55 27.9 22.4 33.6
61 26.2 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 88.334 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066989.D

Acq: 01 Oct 2020 13:14

Instrument :

MSVOA_D

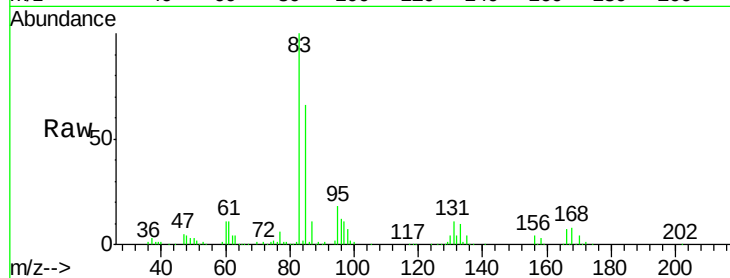
ClientSampleId :

VSTDIC100

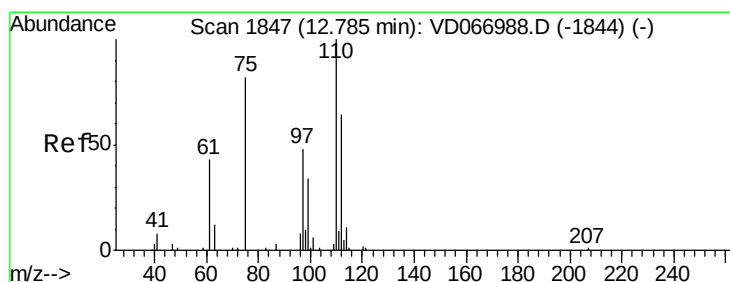
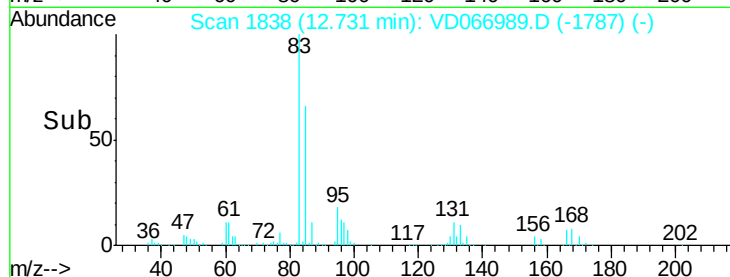
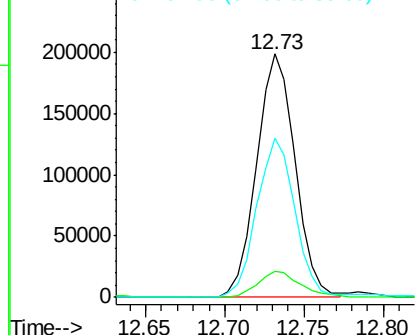
Tot Ion:	83	Resp:	335051
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.7	17.0
85	64.8	32.0	96.2

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 77.676 ug/l m

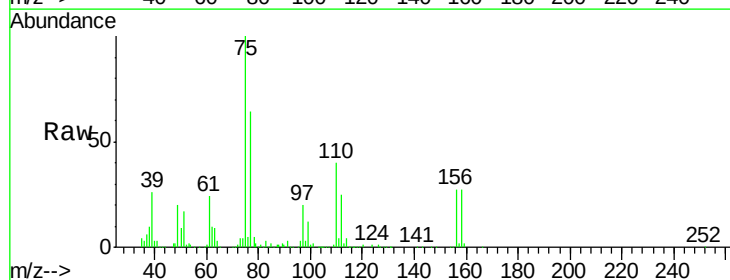
RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

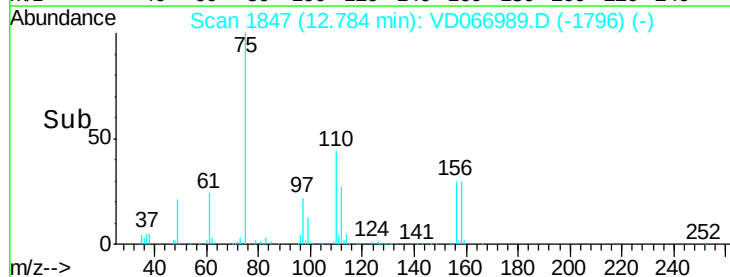
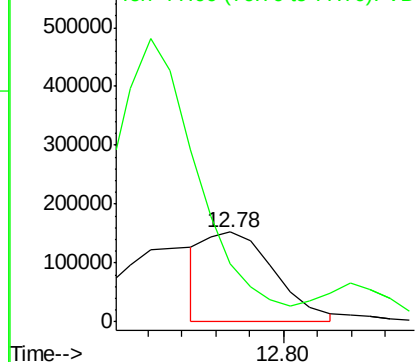
Lab File: VD066989.D

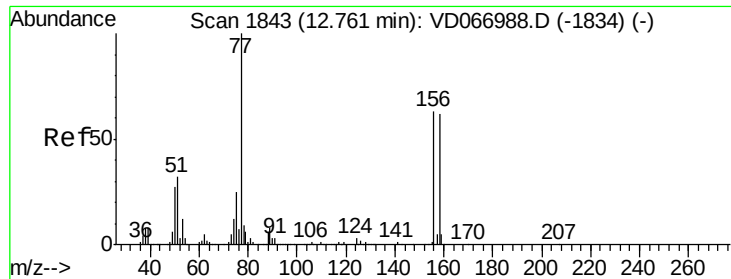
Acq: 01 Oct 2020 13:14

Tgt Ion:	75	Resp:	219509
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





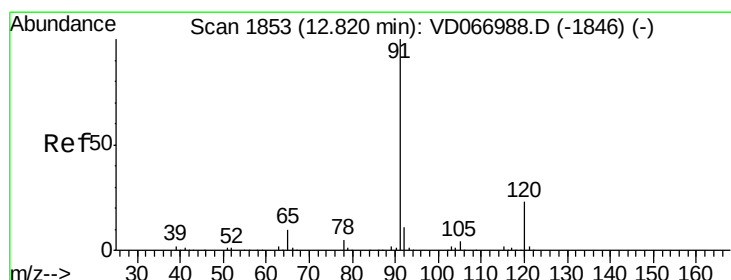
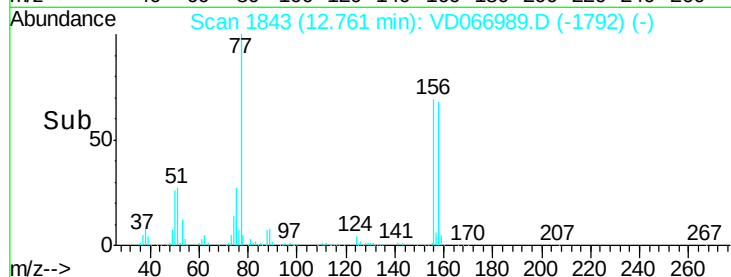
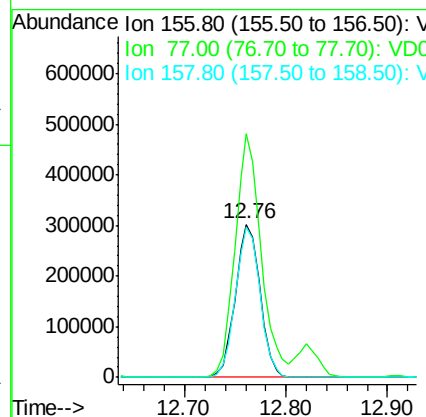
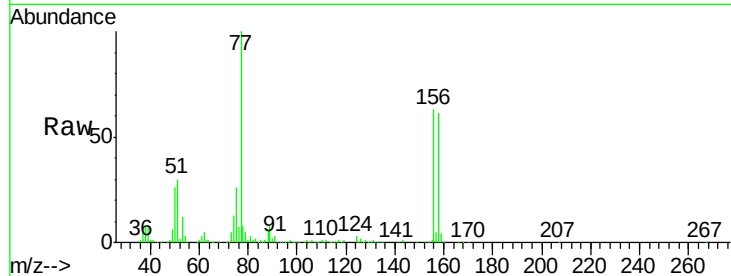
#77
Bromobenzene
Concen: 93.794 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VD066989.D
Acq: 01 Oct 2020 13:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	168.7	86.3	258.8
158	97.6	49.5	148.3

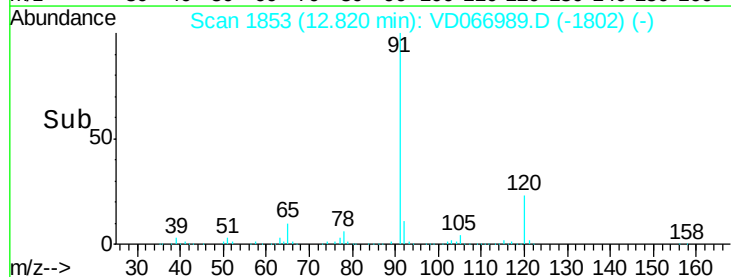
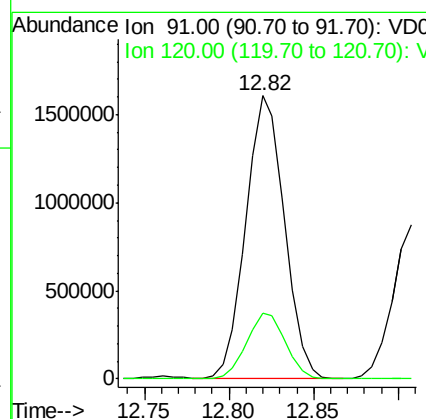
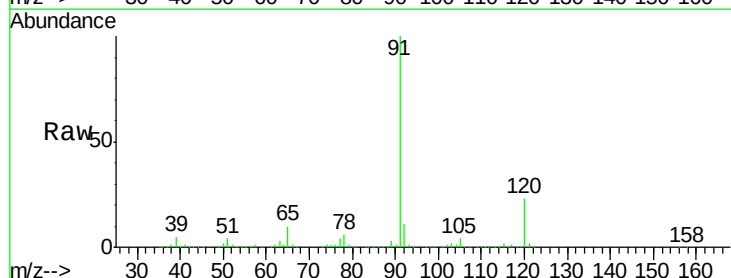
Manual Integrations
APPROVED

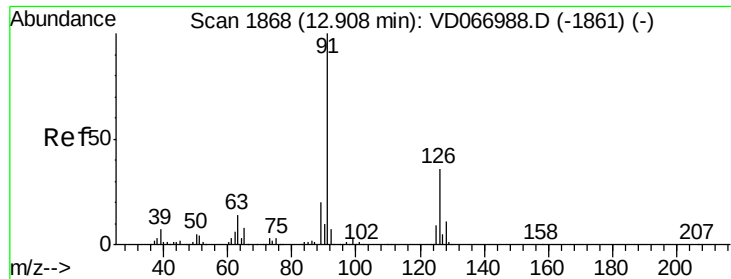
MMDadoda
10/2/2020 3:13:23 PM



#78
n-propylbenzene
Concen: 95.695 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VD066989.D
Acq: 01 Oct 2020 13:14

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.6	34.8





#79

2-Chlorotoluene

Concen: 95.029 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD066989.D

Acq: 01 Oct 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1446551

Ion Ratio Lower Upper

91 100

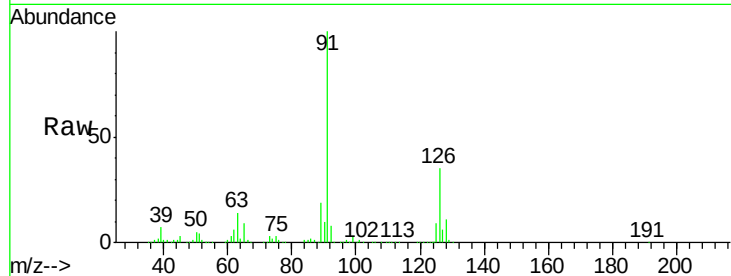
126 34.6 17.5 52.6

Manual Integrations

APPROVED

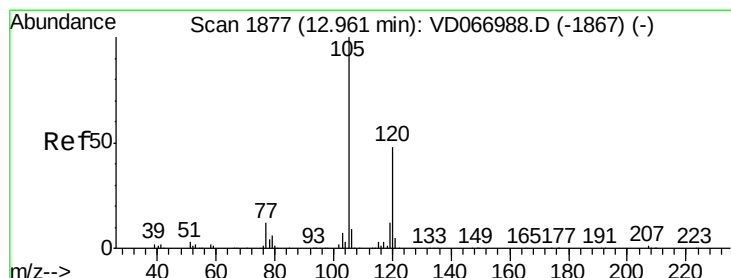
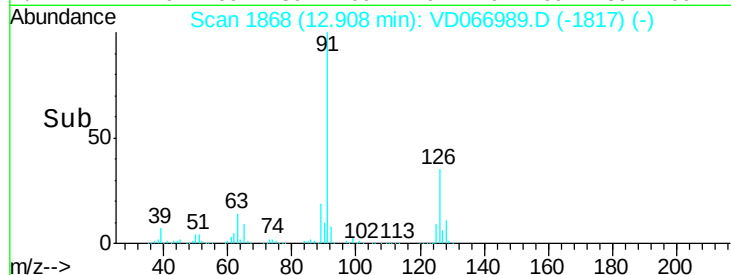
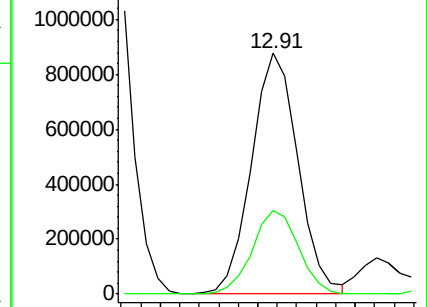
MMDadoda

10/2/2020 3:13:23 PM



Abundance Ion 91.00 (90.70 to 91.70): VD066988.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD066988.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 97.020 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066989.D

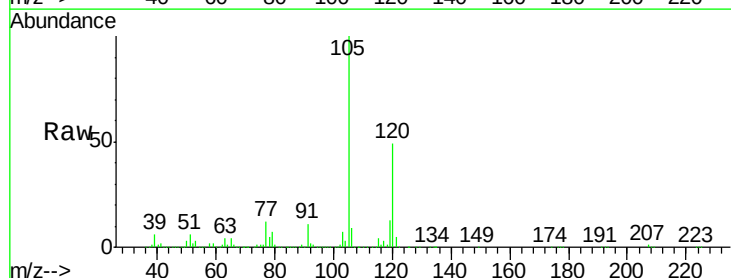
Acq: 01 Oct 2020 13:14

Tgt Ion: 105 Resp: 1845346

Ion Ratio Lower Upper

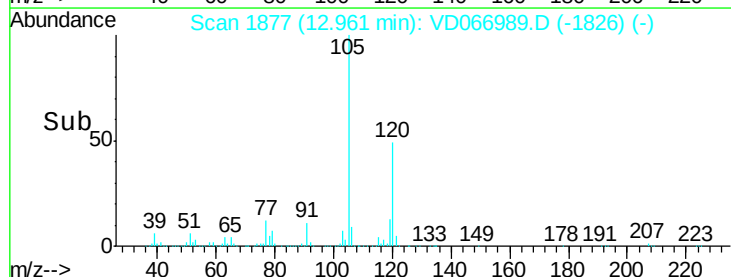
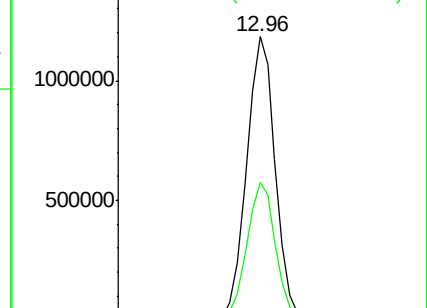
105 100

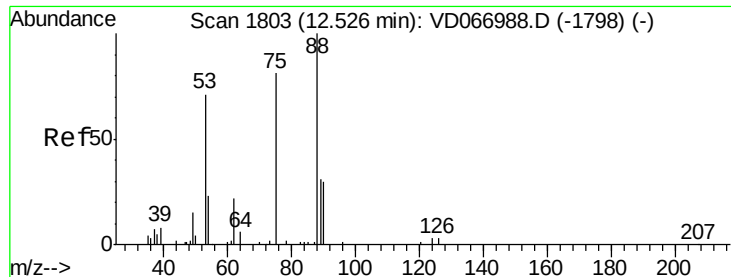
120 48.7 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VD066988.D (-1867) (-)

Ion 120.00 (119.70 to 120.70): VD066988.D (-1867) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 95.352 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VD066989.D

Acq: 01 Oct 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

Tot Ion: 75 Resp: 110449

Ion Ratio Lower Upper

75 100

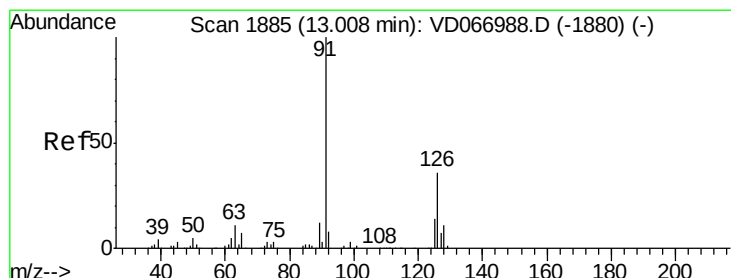
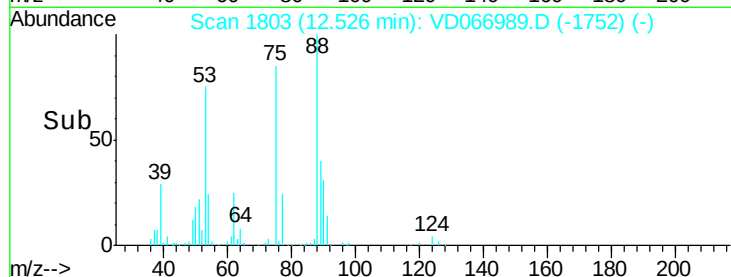
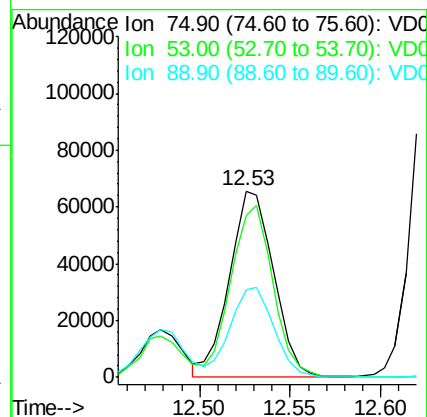
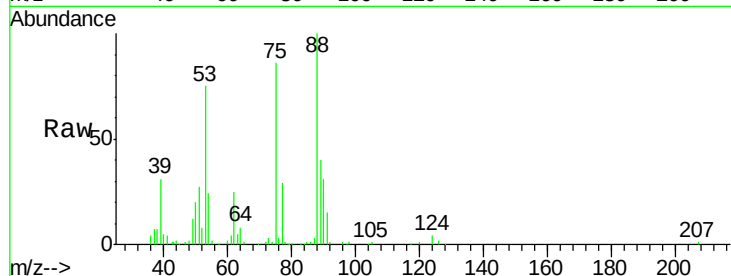
53 88.8 73.8 110.6

89 48.1 38.9 58.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 92.855 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD066989.D

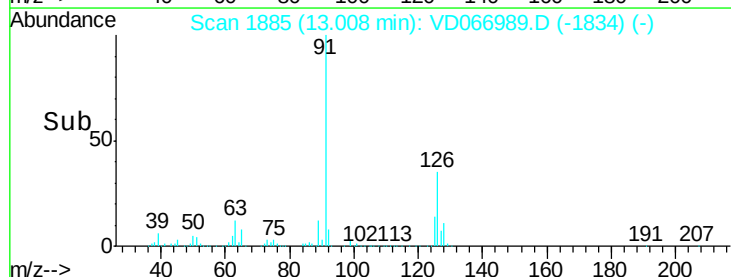
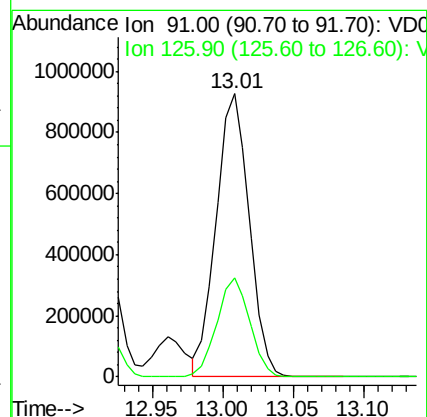
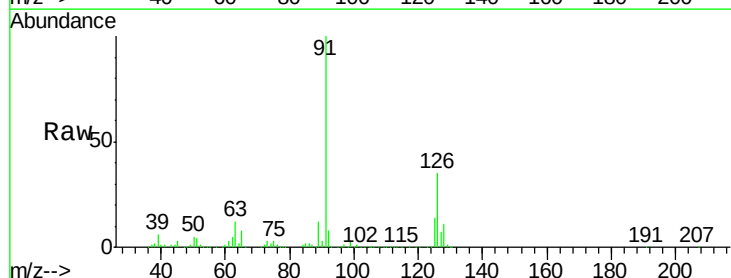
Acq: 01 Oct 2020 13:14

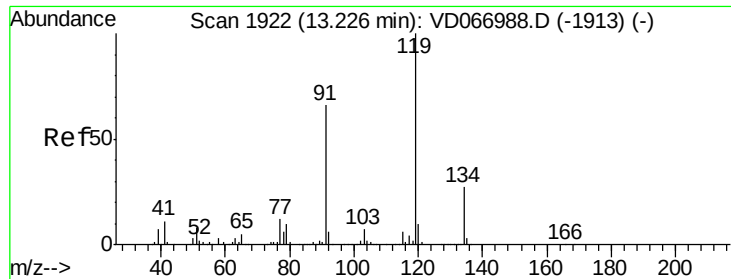
Tgt Ion: 91 Resp: 1503862

Ion Ratio Lower Upper

91 100

126 34.9 17.5 52.5





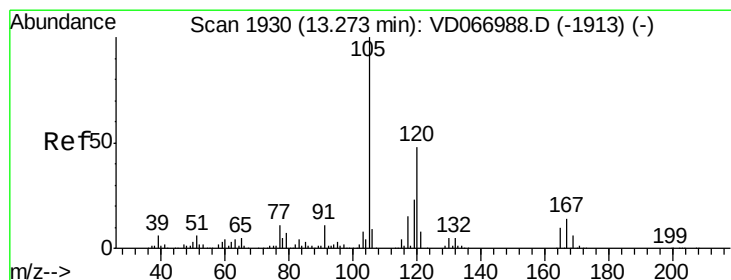
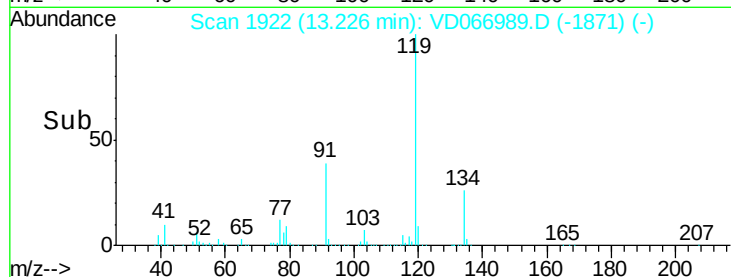
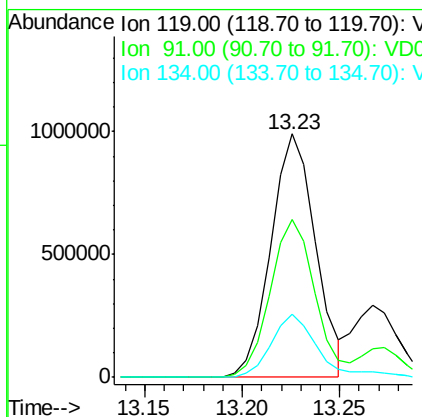
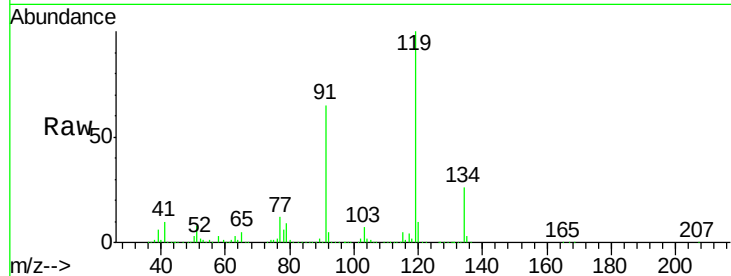
#83
 tert-Butylbenzene
 Concen: 97.952 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD066989.D
 Acq: 01 Oct 2020 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:119 Resp: 1568893
 Ion Ratio Lower Upper
 119 100
 91 65.3 32.8 98.3
 134 27.0 13.9 41.7

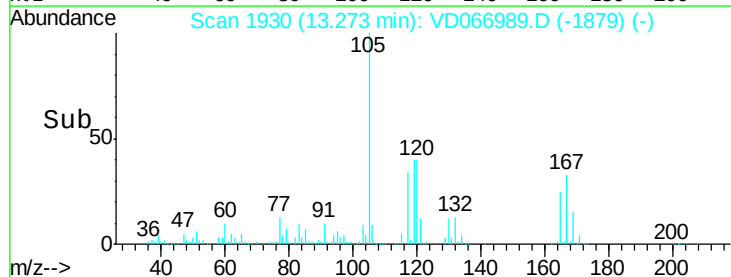
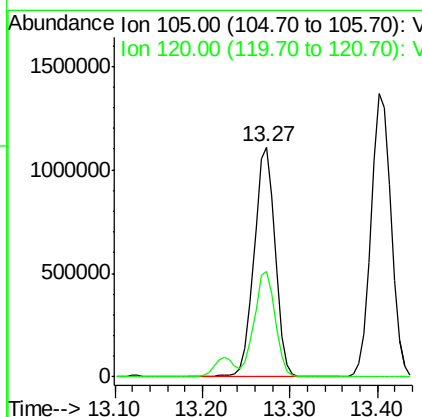
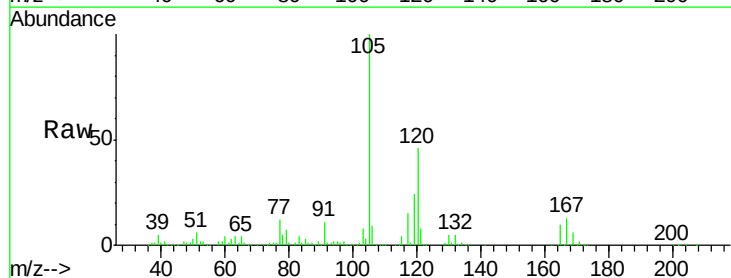
Manual Integrations
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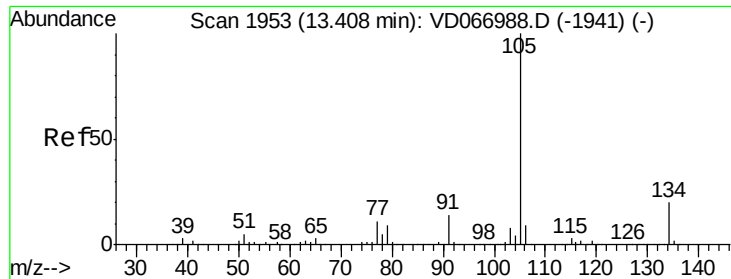
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#84
 1,2,4-Trimethylbenzene
 Concen: 95.419 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD066989.D
 Acq: 01 Oct 2020 13:14

Tgt Ion:105 Resp: 1811198
 Ion Ratio Lower Upper
 105 100
 120 45.4 23.3 69.8





#85

sec-Butylbenzene

Concen: 96.805 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD066989.D

Acq: 01 Oct 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2183530

Ion Ratio Lower Upper

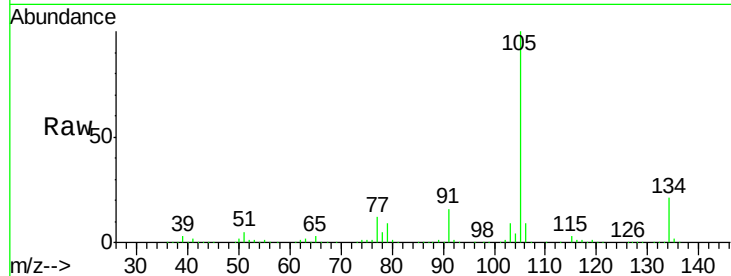
105 100

134 20.6 10.3 30.8

Manual Integrations
APPROVED

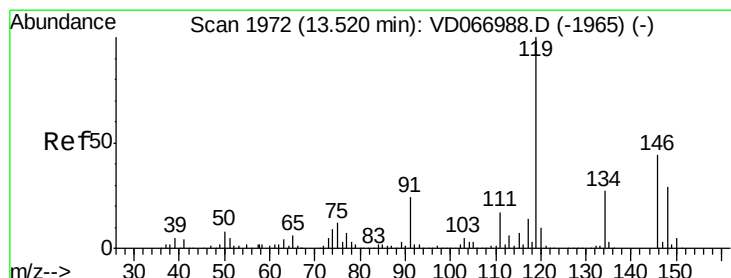
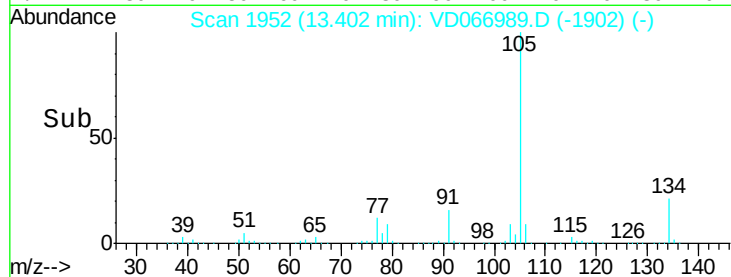
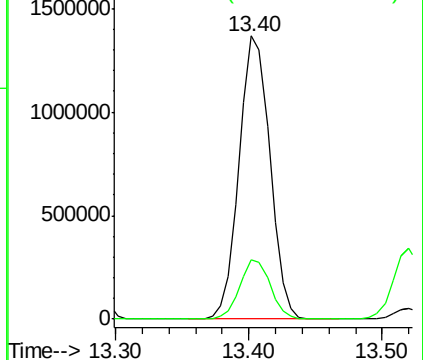
MMDadoda

10/2/2020 3:13:23 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 95.627 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066989.D

Acq: 01 Oct 2020 13:14

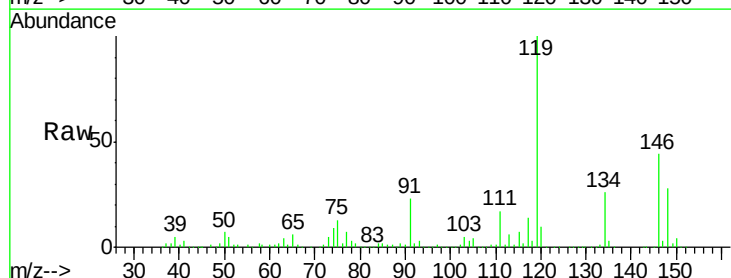
Tgt Ion:119 Resp: 1999729

Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.1

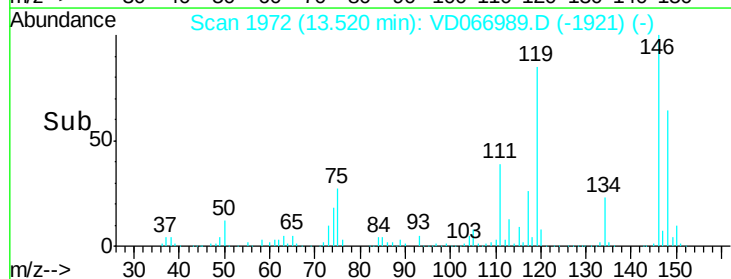
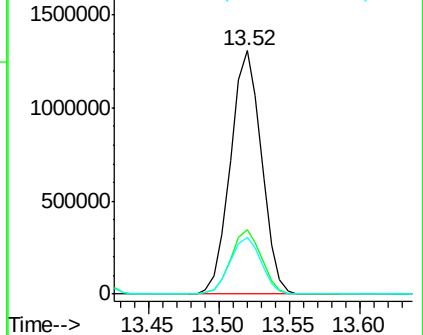
91 23.6 11.7 35.1

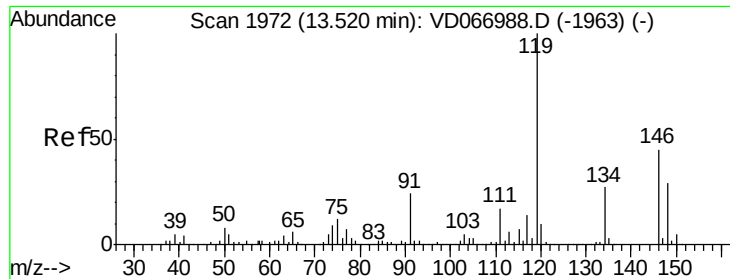


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





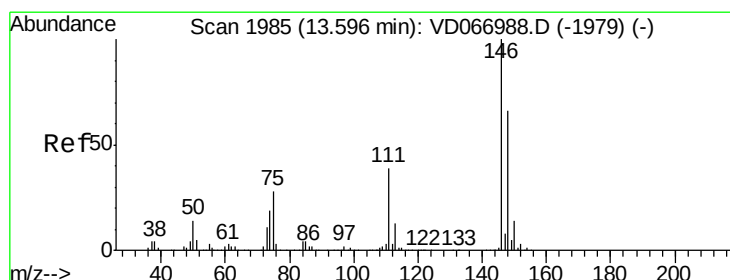
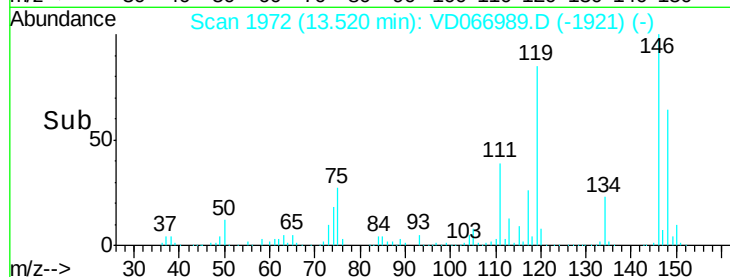
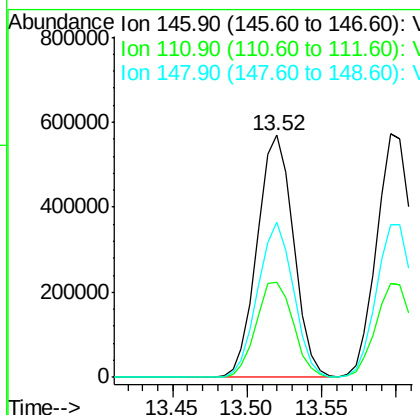
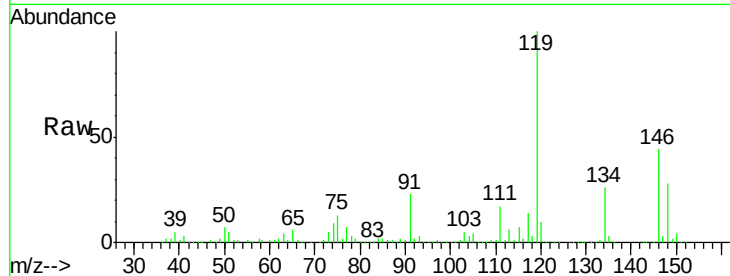
#87
 1,3-Dichlorobenzene
 Concen: 90.416 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066989.D
 Acq: 01 Oct 2020 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.0	60.0
148	63.0	31.9	95.9

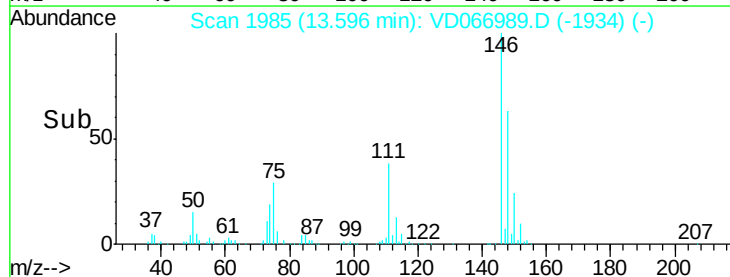
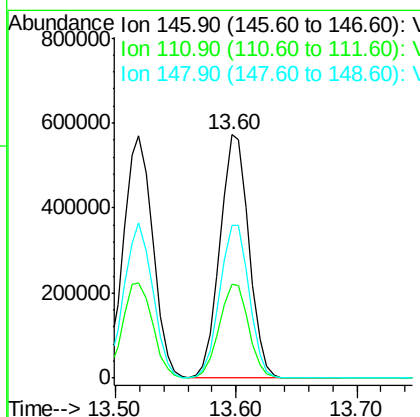
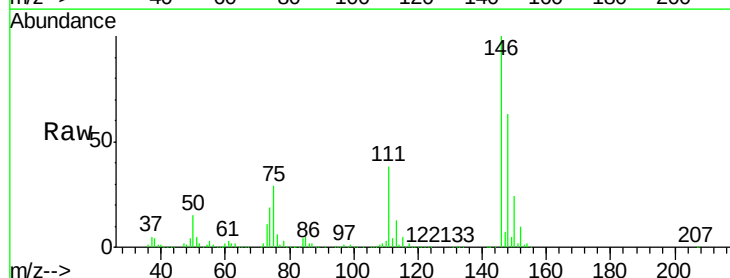
Manual Integrations
 APPROVED

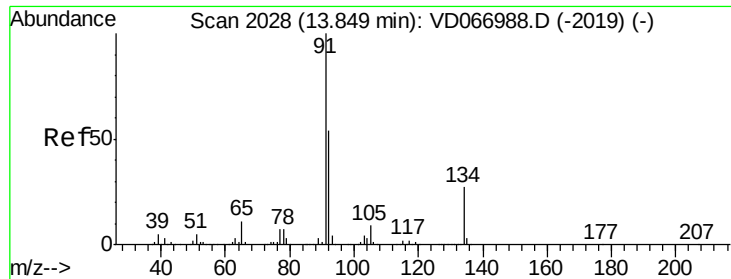
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 89.897 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD066989.D
 Acq: 01 Oct 2020 13:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.6	58.7
148	63.7	32.6	97.7





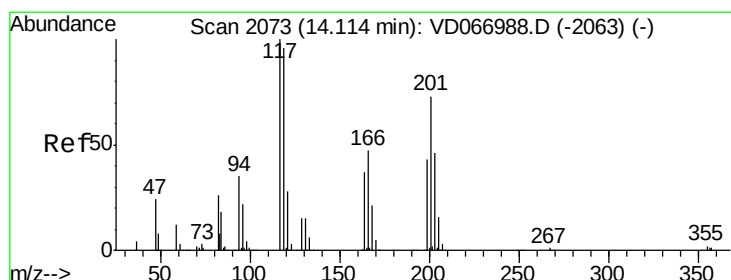
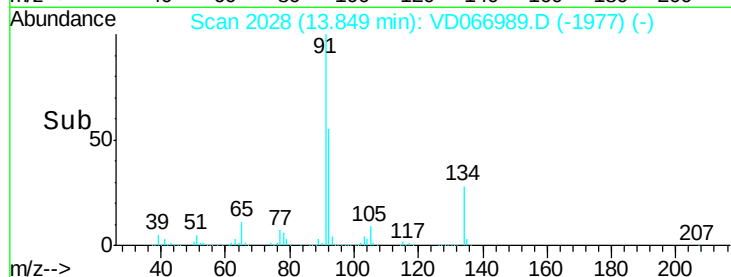
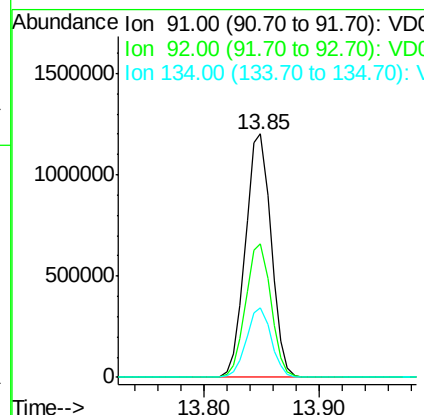
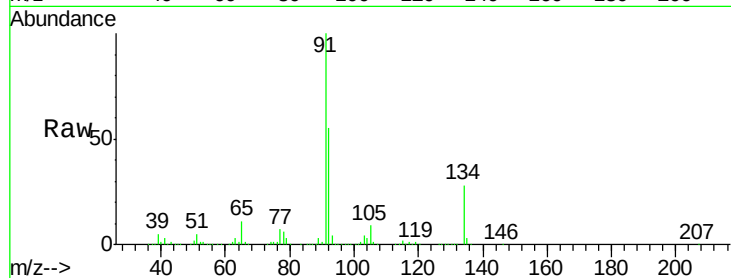
#89
n-Butylbenzene
Concen: 97.003 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD066989.D
Acq: 01 Oct 2020 13:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1853873
Ion Ratio Lower Upper
91 100
92 54.5 27.1 81.2
134 27.6 13.6 40.8

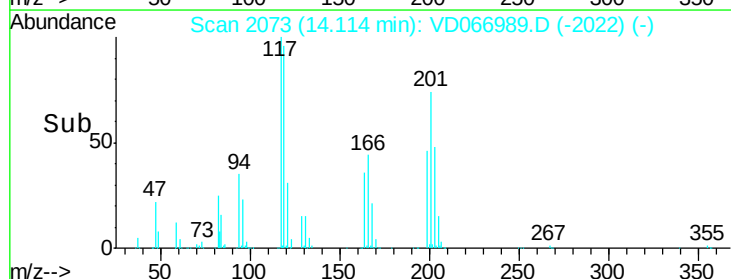
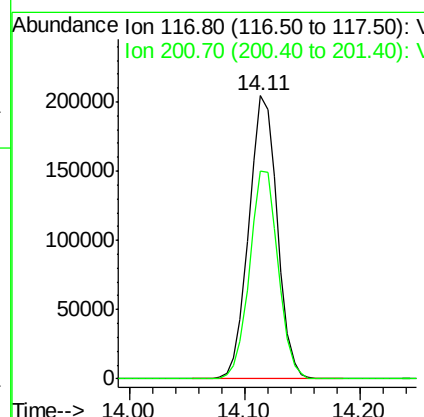
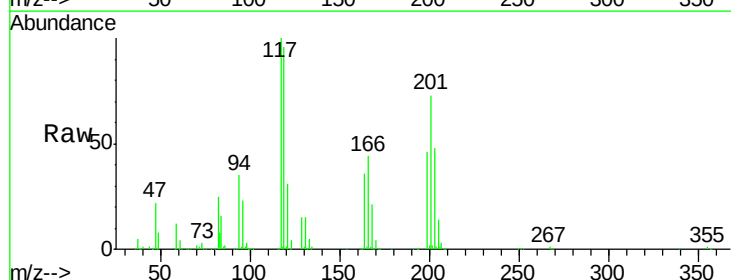
Manual Integrations
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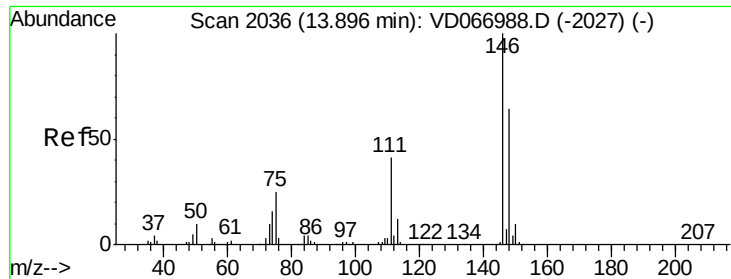
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#90
Hexachloroethane
Concen: 95.557 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066989.D
Acq: 01 Oct 2020 13:14

Tgt Ion: 117 Resp: 350030
Ion Ratio Lower Upper
117 100
201 73.9 37.0 110.9





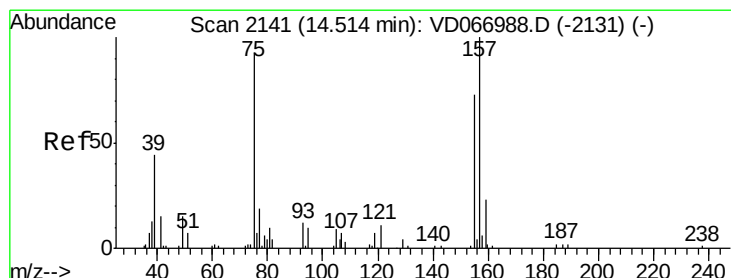
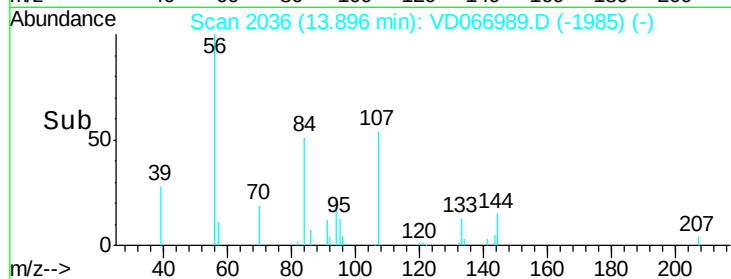
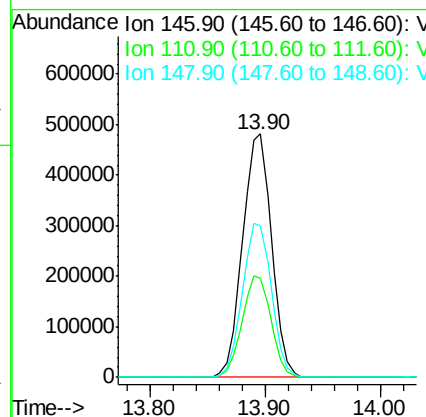
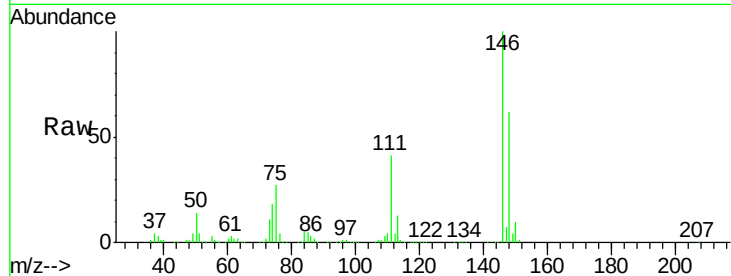
#91
 1,2-Dichlorobenzene
 Concen: 90.565 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD066989.D
 Acq: 01 Oct 2020 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.9	62.7
148	63.4	32.3	96.9

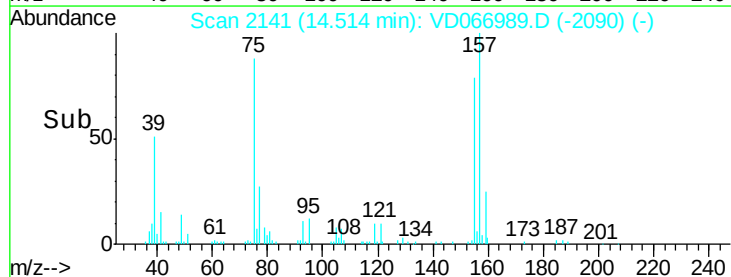
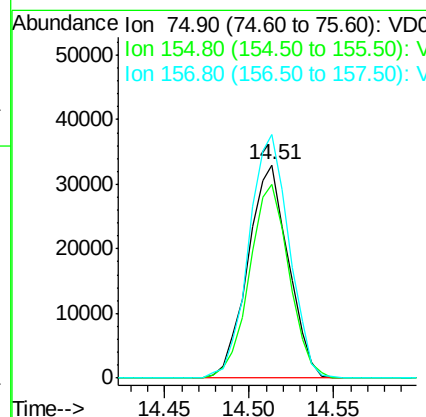
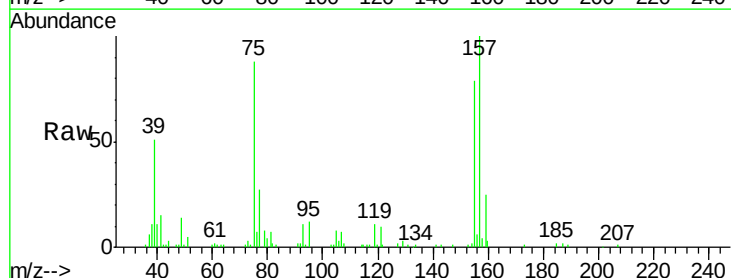
Manual Integrations
 APPROVED

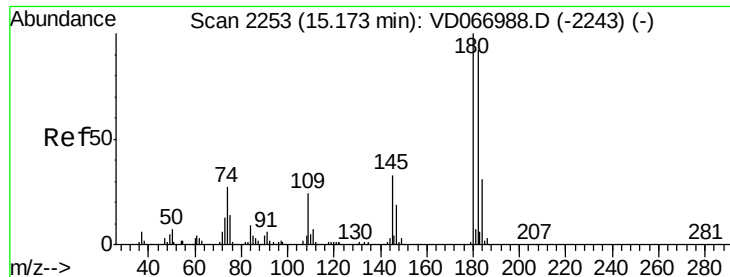
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 90.019 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD066989.D
 Acq: 01 Oct 2020 13:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.0	45.2	135.6
157	114.0	56.3	168.8





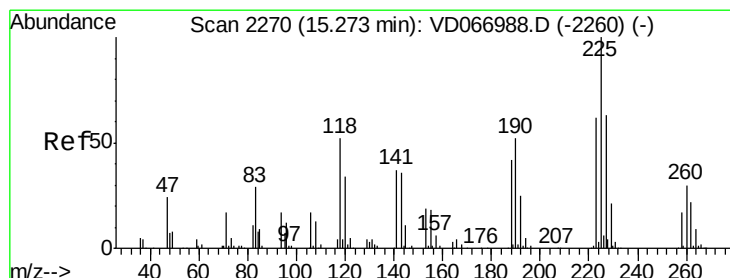
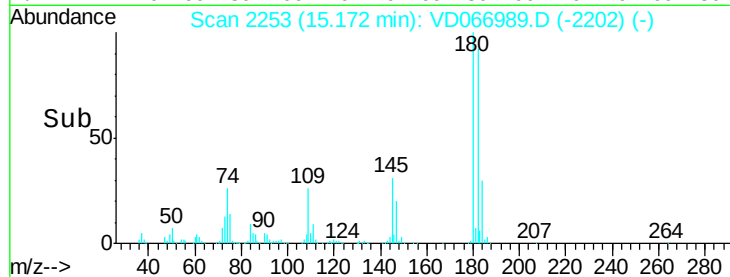
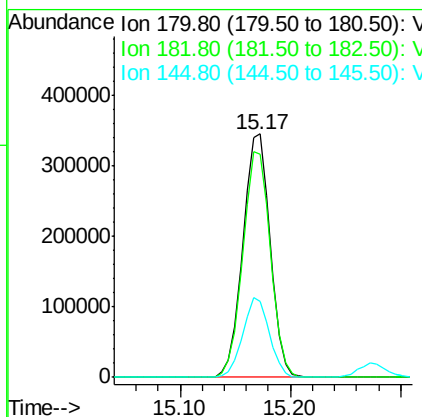
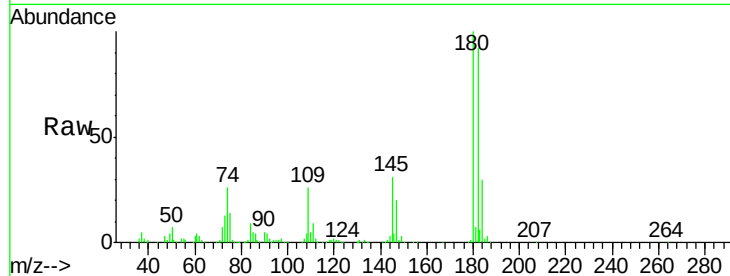
#93
 1,2,4-Trichlorobenzene
 Concen: 100.255 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD066989.D
 Acq: 01 Oct 2020 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:	180	Resp:	599651
Ion Ratio	Lower	Upper	
180	100		
182	93.8	47.3	142.0
145	31.9	16.4	49.1

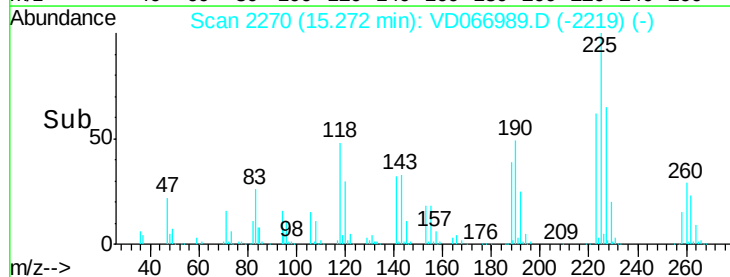
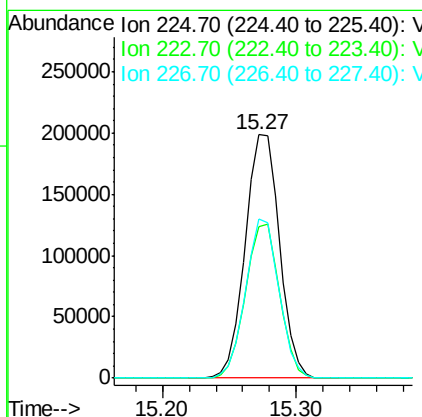
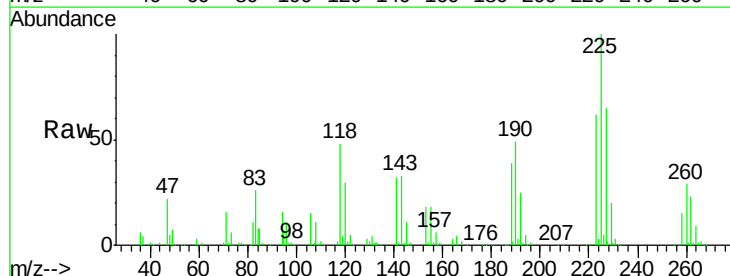
Manual Integrations
 APPROVED

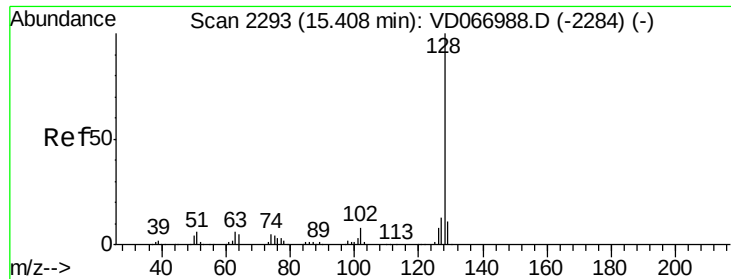
MMDadoda
 10/2/2020 3:13:23 PM



#94
 Hexachlorobutadiene
 Concen: 95.679 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066989.D
 Acq: 01 Oct 2020 13:14

Tgt Ion:	225	Resp:	351462
Ion Ratio	Lower	Upper	
225	100		
223	62.6	32.4	97.0
227	63.5	31.6	95.0





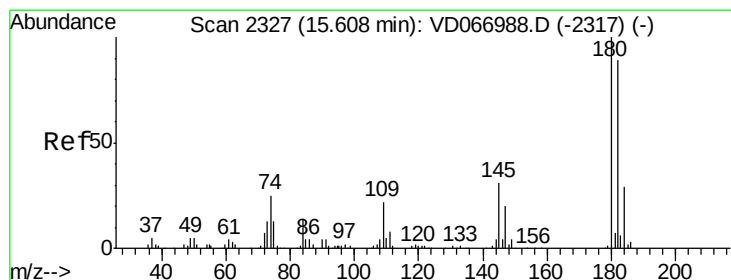
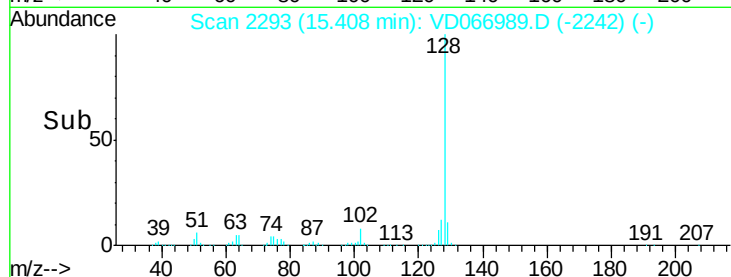
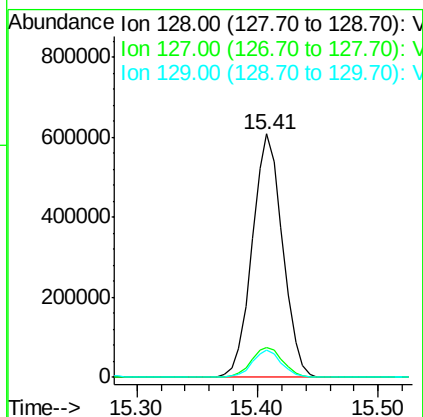
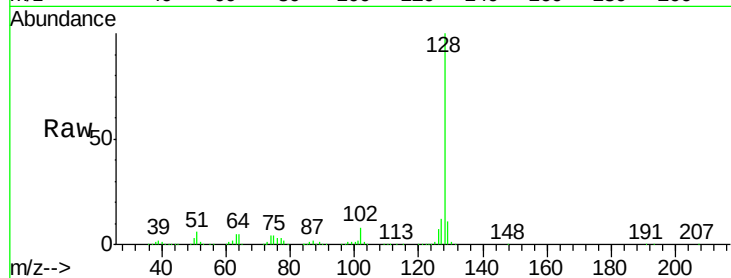
#95
Naphthalene
Concen: 106.344 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066989.D
Acq: 01 Oct 2020 13:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/2/2020 3:13:23 PM



#96
1,2,3-Trichlorobenzene
Concen: 98.805 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD066989.D
Acq: 01 Oct 2020 13:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	46.4	139.1
145	34.1	16.6	49.7

