

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100720\
 Data File : VD067168.D
 Acq On : 07 Oct 2020 23:45
 Operator : VA/SY
 Sample : VD1007SBSD02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBSD02

Manual Integrations
 APPROVED

MMDadoda
 10/8/2020 5:39:39 PM

Quant Time: Oct 08 08:40:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	348031	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	553360	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	515758	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	256748	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	178667	53.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.60%	
35) Dibromofluoromethane	7.91	113	194766	53.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.52%	
50) Toluene-d8	10.34	98	703646	53.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.60%	
62) 4-Bromofluorobenzene	12.64	95	247519	55.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	73470	23.606	ug/l	92
3) Chloromethane	2.21	50	53082	19.152	ug/l	95
4) Vinyl Chloride	2.35	62	56736	20.415	ug/l	97
5) Bromomethane	2.76	94	44495	22.453	ug/l	99
6) Chloroethane	2.92	64	34867	20.601	ug/l	99
7) Trichlorofluoromethane	3.27	101	124245	20.122	ug/l	99
8) Diethyl Ether	3.71	74	31605	20.641	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	66680	19.106	ug/l	95
10) Methyl Iodide	4.30	142	68986	20.344	ug/l	99
11) Tert butyl alcohol	5.22	59	26694	108.342	ug/l #	85
12) 1,1-Dichloroethene	4.07	96	61944	18.881	ug/l	95
13) Acrolein	3.93	56	18009	80.231	ug/l	94
14) Allyl chloride	4.71	41	77986	18.298	ug/l	94
15) Acrylonitrile	5.41	53	55716	98.869	ug/l	99
16) Acetone	4.16	43	45495	88.906	ug/l	93
17) Carbon Disulfide	4.41	76	193008	19.169	ug/l	99
18) Methyl Acetate	4.71	43	27478	21.365	ug/l	91
19) Methyl tert-butyl Ether	5.49	73	132206	22.074	ug/l	92
20) Methylene Chloride	4.96	84	91385	20.937	ug/l	89
21) trans-1,2-Dichloroethene	5.47	96	75419	20.200	ug/l	95
22) Diisopropyl ether	6.36	45	152583	19.610	ug/l	93
23) Vinyl Acetate	6.30	43	409433	92.859	ug/l	99
24) 1,1-Dichloroethane	6.27	63	122648	20.425	ug/l	99
25) 2-Butanone	7.21	43	66670	91.895	ug/l	99
26) 2,2-Dichloropropane	7.21	77	104506	17.686	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	82399	20.664	ug/l	99
28) Bromochloromethane	7.55	49	42115	18.161	ug/l	89
29) Tetrahydrofuran	7.56	42	38277	91.757	ug/l	93
30) Chloroform	7.71	83	141354	21.700	ug/l	99
31) Cyclohexane	7.98	56	88155	17.511	ug/l	92
32) 1,1,1-Trichloroethane	7.90	97	124505	20.624	ug/l	99
36) 1,1-Dichloropropene	8.11	75	96266	18.664	ug/l	96
37) Ethyl Acetate	7.30	43	31800	17.797	ug/l	97
38) Carbon Tetrachloride	8.10	117	116013	20.788	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.36	83	97573	17.893	ug/l	93
40) Benzene	8.35	78	287786	20.088	ug/l	100
41) Methacrylonitrile	7.53	41	16042	16.618	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	86580	21.627	ug/l	97
43) Isopropyl Acetate	8.45	43	61491	18.680	ug/l	94
44) Trichloroethene	9.11	130	88865	20.773	ug/l	93
45) 1,2-Dichloropropane	9.39	63	68312	20.294	ug/l	95
46) Dibromomethane	9.47	93	39775	20.559	ug/l	92
47) Bromodichloromethane	9.66	83	106197	21.116	ug/l #	93
48) Methyl methacrylate	9.46	41	27894	16.540	ug/l #	69
49) 1,4-Dioxane	9.46	88	7856	389.062	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	155702	94.962	ug/l	96
52) Toluene	10.40	92	199410	21.608	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	95850	21.325	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	113518	20.683	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	57658	21.436	ug/l	99
56) Ethyl methacrylate	10.66	69	57839	20.827	ug/l	98
57) 1,3-Dichloropropane	10.95	76	93186	21.364	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	153524	99.325	ug/l	95
59) 2-Hexanone	10.98	43	105528	96.430	ug/l	100
60) Dibromochloromethane	11.14	129	81208	22.652	ug/l	96
61) 1,2-Dibromoethane	11.25	107	55909	21.635	ug/l	97
64) Tetrachloroethene	10.87	164	78999	21.069	ug/l	92
65) Chlorobenzene	11.67	112	216718	21.127	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	85648	21.950	ug/l	98
67) Ethyl Benzene	11.74	91	363109	20.660	ug/l	96
68) m/p-Xylenes	11.86	106	290373	42.393	ug/l	98
69) o-Xylene	12.18	106	127735	20.854	ug/l	93
70) Styrene	12.20	104	234039	22.252	ug/l	99
71) Bromoform	12.36	173	46414	22.916	ug/l #	96
73) Isopropylbenzene	12.48	105	362092	20.770	ug/l	100
74) N-amyl acetate	12.29	43	56765	18.113	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	58966	20.075	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	41481m	18.548	ug/l	
77) Bromobenzene	12.77	156	92315	21.930	ug/l	94
78) n-propylbenzene	12.83	91	419264	20.349	ug/l	99
79) 2-Chlorotoluene	12.91	91	245069	20.789	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	309134	20.988	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	17293	19.278	ug/l	97
82) 4-Chlorotoluene	13.01	91	265423	21.163	ug/l	100
83) tert-Butylbenzene	13.23	119	262174	21.137	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	315093	21.436	ug/l	98
85) sec-Butylbenzene	13.41	105	349134	19.988	ug/l	99
86) p-Isopropyltoluene	13.52	119	331553	20.474	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	175578	21.413	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	171492	20.917	ug/l	98
89) n-Butylbenzene	13.85	91	289071	19.532	ug/l	99
90) Hexachloroethane	14.12	117	56188	19.808	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	154116	21.522	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9012	19.033	ug/l	92

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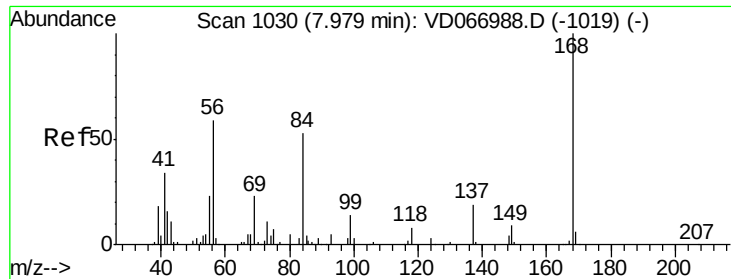
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	95715	20.664	ug/l	99
94) Hexachlorobutadiene	15.28	225	55621	19.553	ug/l	98
95) Naphthalene	15.41	128	160045	20.716	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	86791	21.585	ug/l	98

(#) = 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: VD067168.D

Acq: 07 Oct 2020 23:45

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS02

Tot Ion:168 Resp: 348031

Ion Ratio Lower Upper

168 100

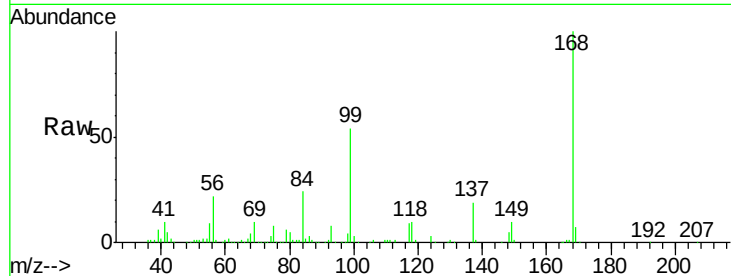
99 54.1 44.1 66.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

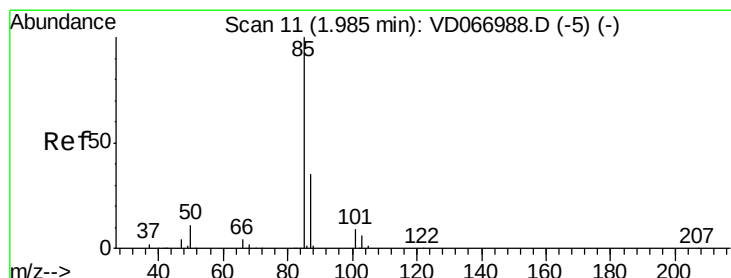
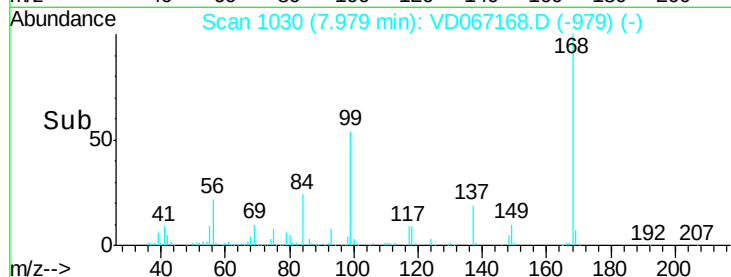
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 23.606 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067168.D

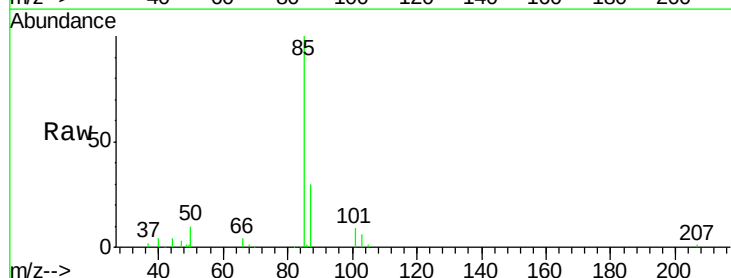
Acq: 07 Oct 2020 23:45

Tgt Ion: 85 Resp: 73470

Ion Ratio Lower Upper

85 100

87 30.1 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

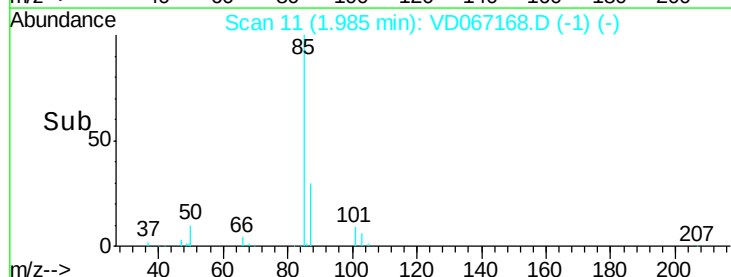
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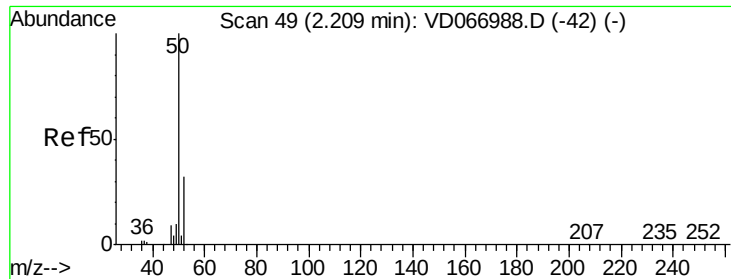
10000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 19.152 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067168.D

Acq: 07 Oct 2020 23:45

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS02

Tot Ion: 50 Resp: 53082

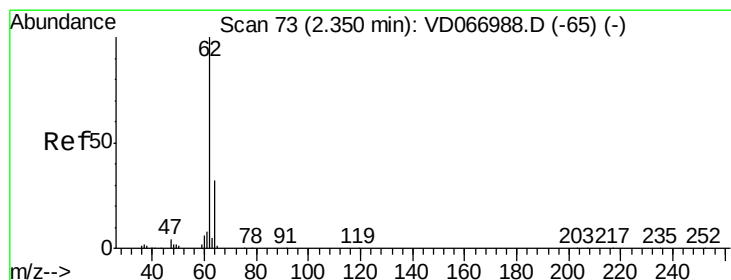
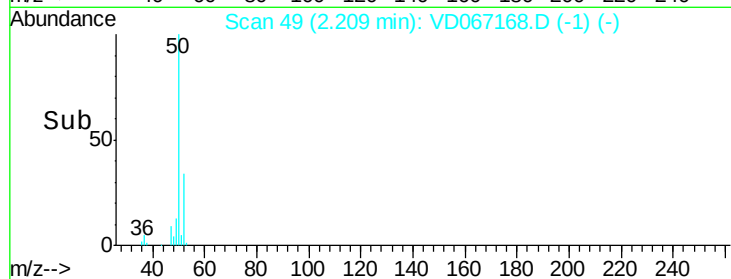
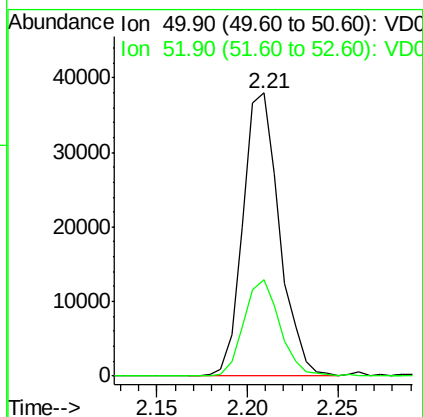
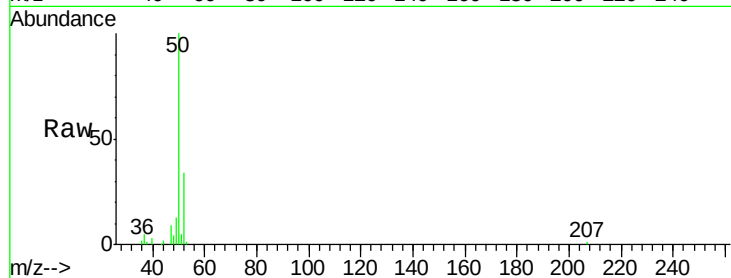
Ion Ratio Lower Upper

50 100

52 34.2 25.3 37.9

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#4

Vinyl Chloride

Concen: 20.415 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067168.D

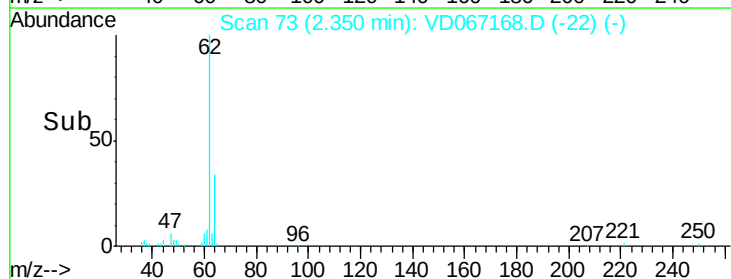
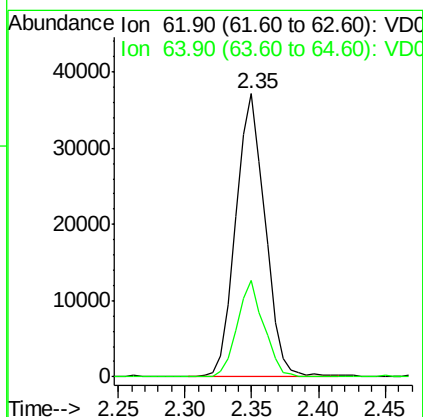
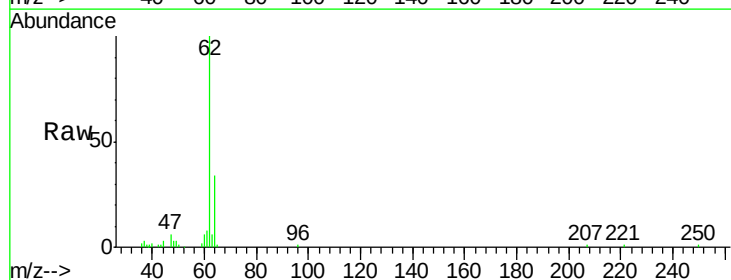
Acq: 07 Oct 2020 23:45

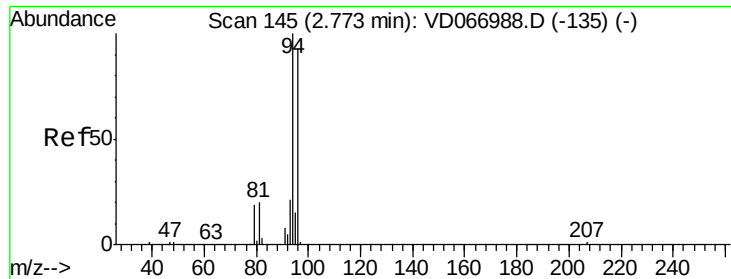
Tgt Ion: 62 Resp: 56736

Ion Ratio Lower Upper

62 100

64 33.9 25.8 38.8





#5

Bromomethane

Concen: 22.453 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067168.D

Acq: 07 Oct 2020 23:45

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS02

Tot Ion: 94 Resp: 44495

Ion Ratio Lower Upper

94 100

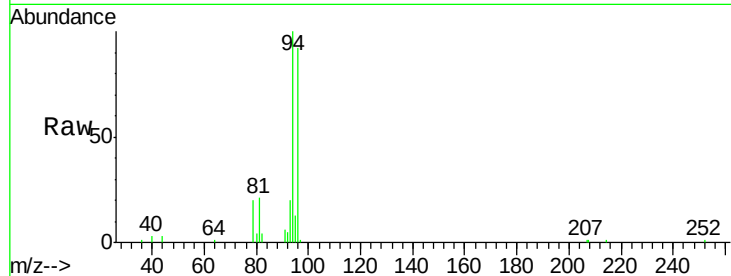
96 92.4 74.6 112.0

Manual Integrations

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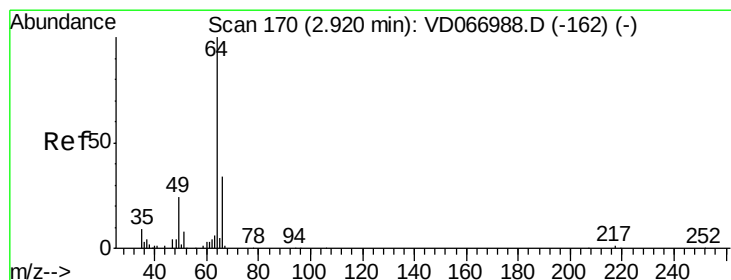
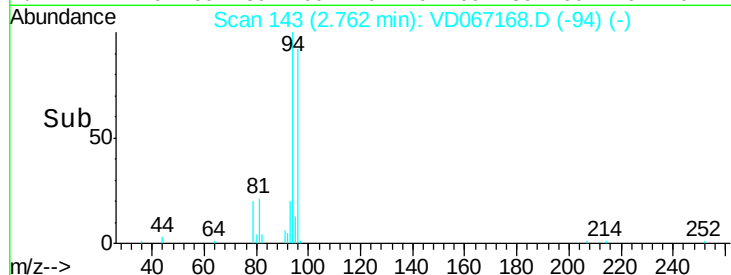
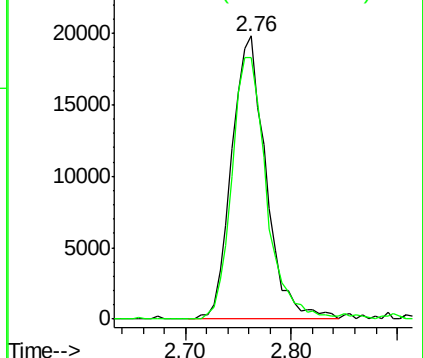
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.601 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067168.D

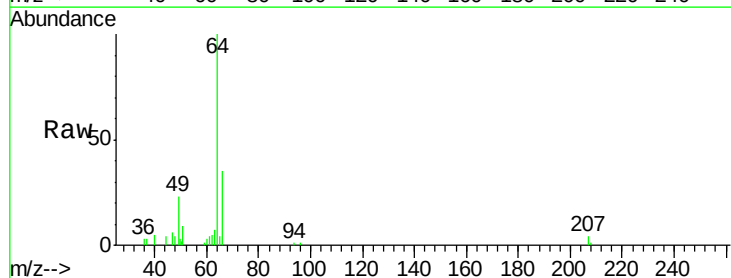
Acq: 07 Oct 2020 23:45

Tgt Ion: 64 Resp: 34867

Ion Ratio Lower Upper

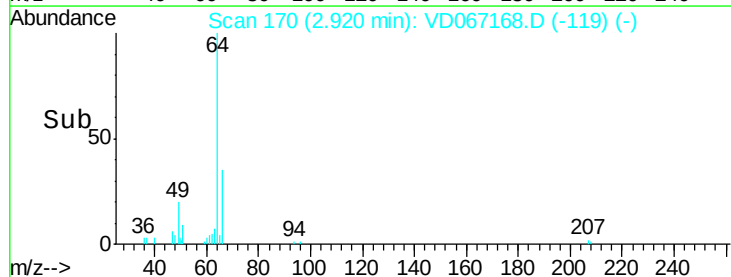
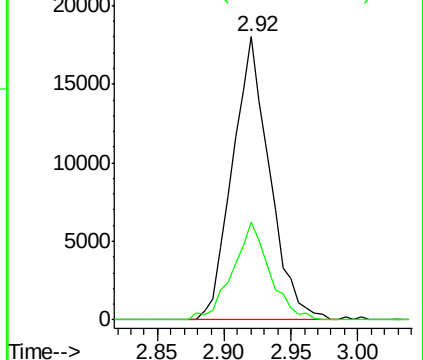
64 100

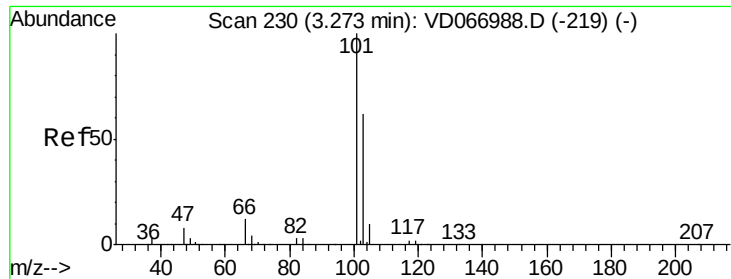
66 34.5 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

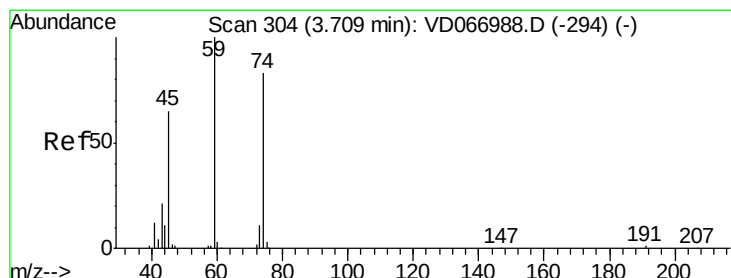
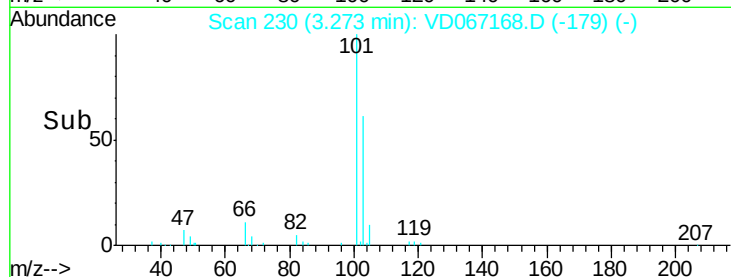
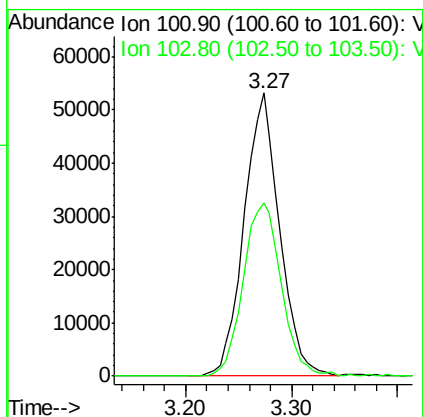
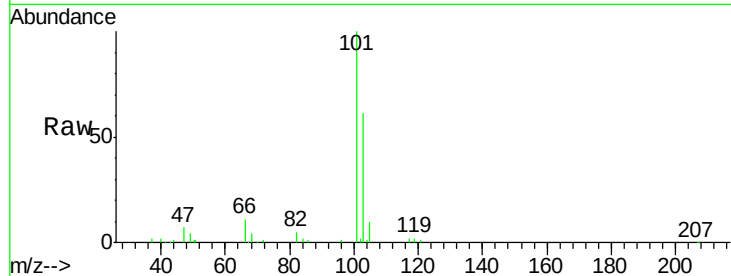
Trichlorofluoromethane
 Concen: 20.122 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD067168.D
 Acq: 07 Oct 2020 23:45

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.4	49.8	74.8

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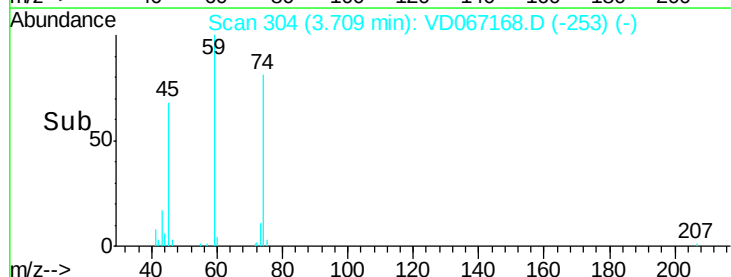
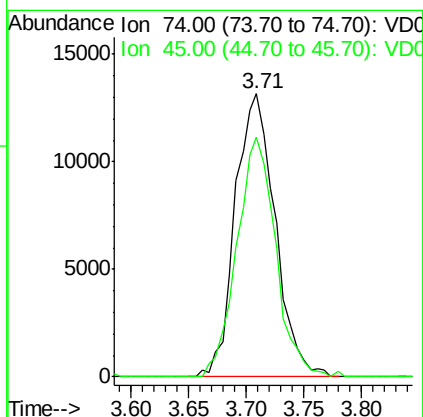
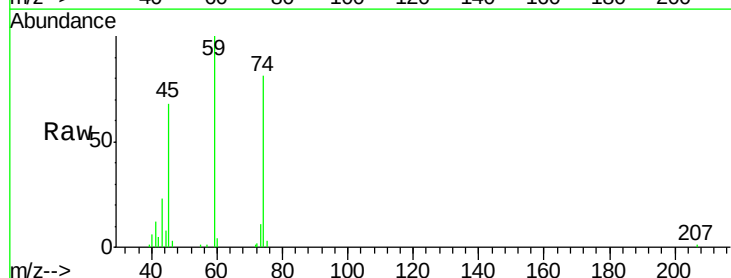
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 10/8/2020 5:39:39 PM

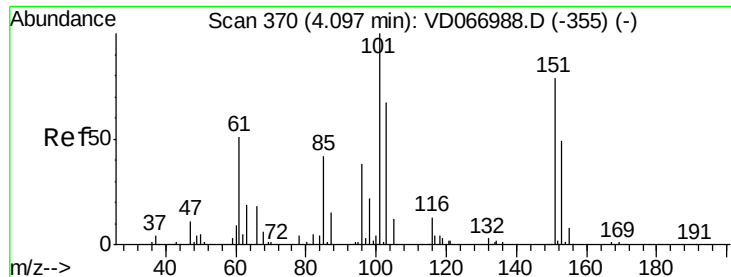


#8

Diethyl Ether
 Concen: 20.641 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD067168.D
 Acq: 07 Oct 2020 23:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	82.6	43.1	129.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.106 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067168.D

Acq: 07 Oct 2020 23:45

Instrument :

MSVOA_D

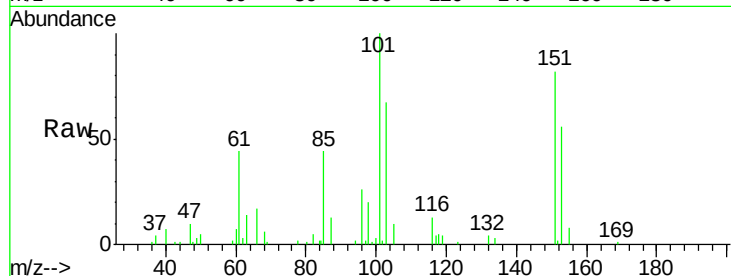
ClientSampleId :

VD1007SBS02

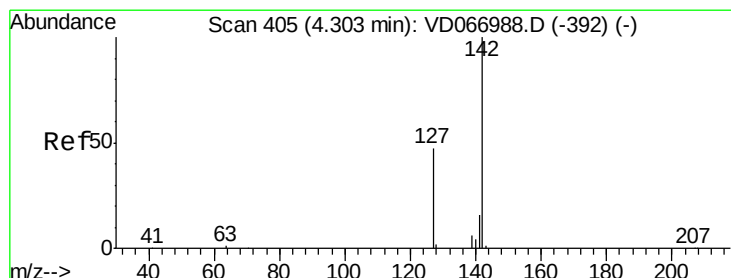
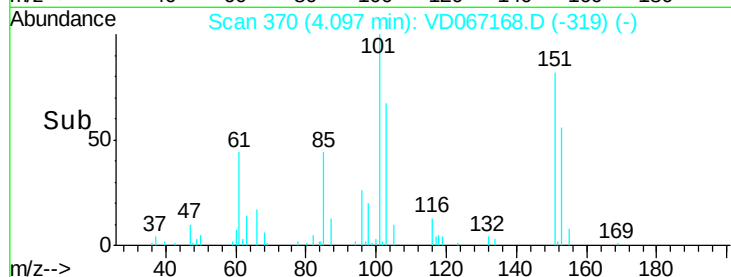
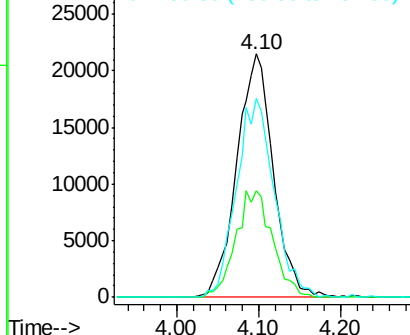
Tot Ion:	101	Resp:	66680
Ion Ratio	Lower	Upper	
101	100		
85	44.0	33.8	50.8
151	84.7	63.8	95.8

Manual Integrations
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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: 20.344 ug/l

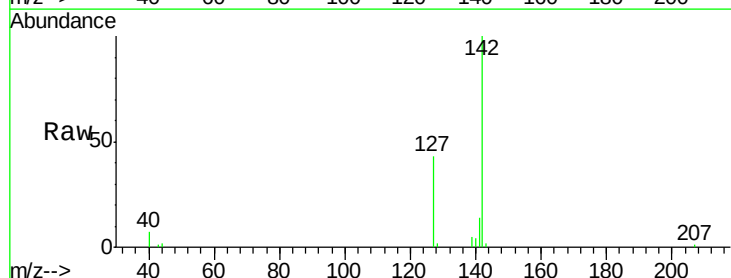
RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

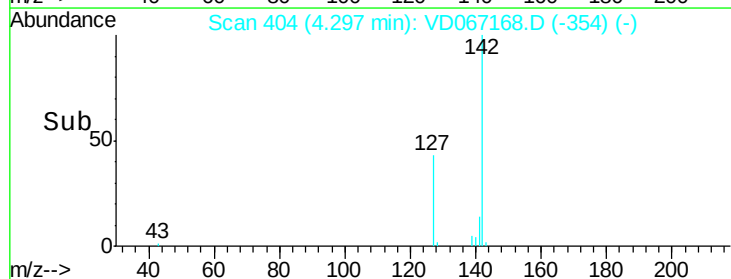
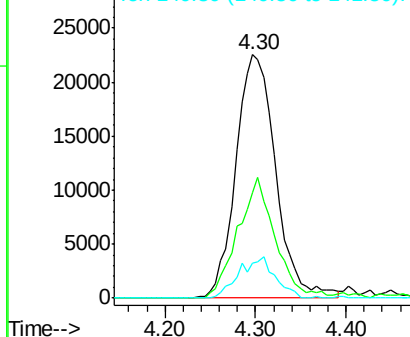
Lab File: VD067168.D

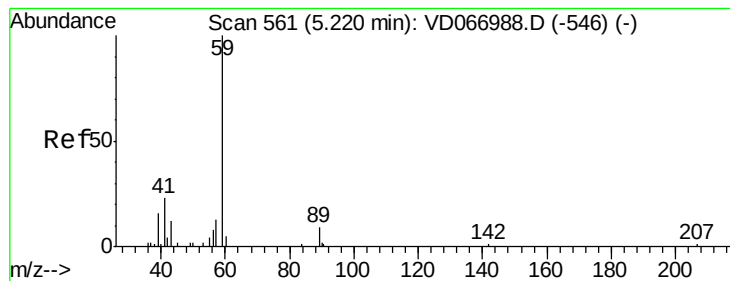
Acq: 07 Oct 2020 23:45

Tgt Ion:	142	Resp:	68986
Ion Ratio	Lower	Upper	
142	100		
127	46.3	36.3	54.5
141	15.1	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

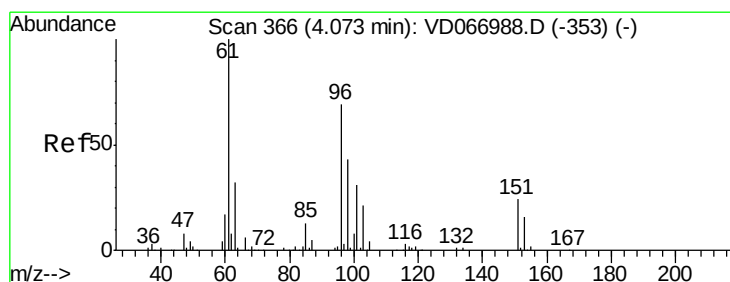
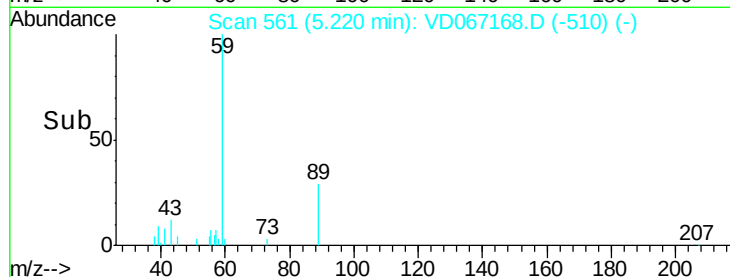
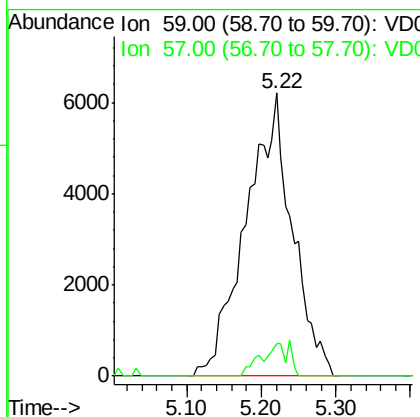
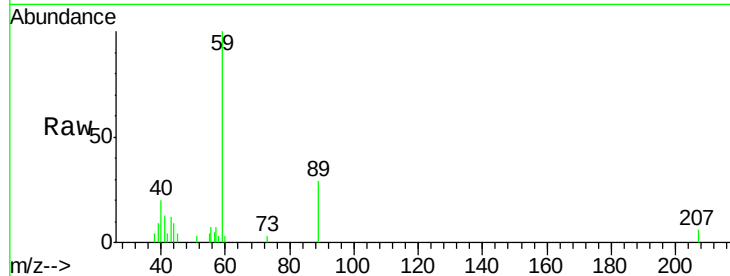
Tert butyl alcohol
Concen: 108.342 ug/l
RT: 5.22 min Scan# 561
Delta R.T. 0.00 min
Lab File: VD067168.D
Acq: 07 Oct 2020 23:45

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
59	100	26694		
57	4.8		8.2	12.4#

Manual Integrations
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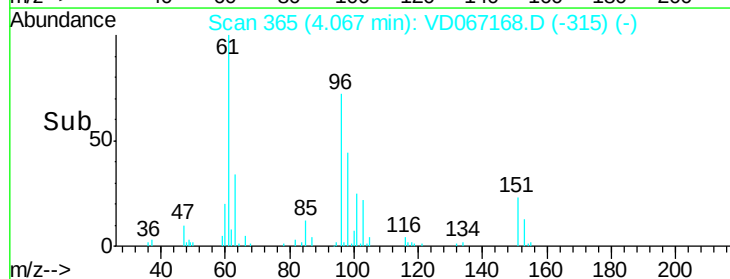
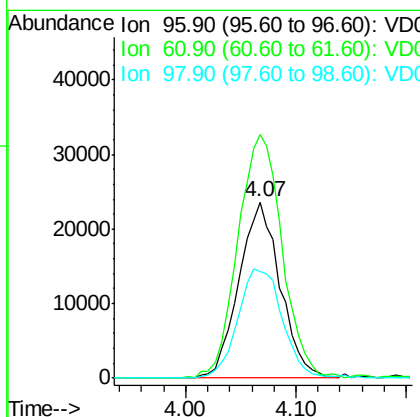
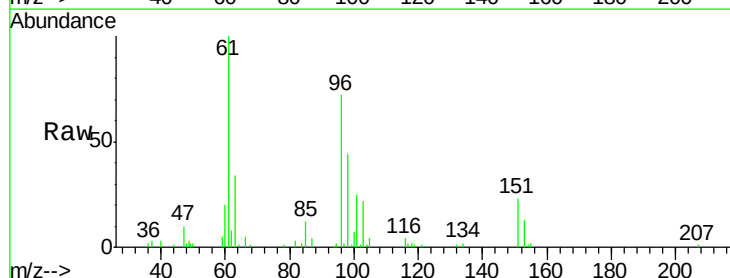
MMDadoda
10/8/2020 5:39:39 PM

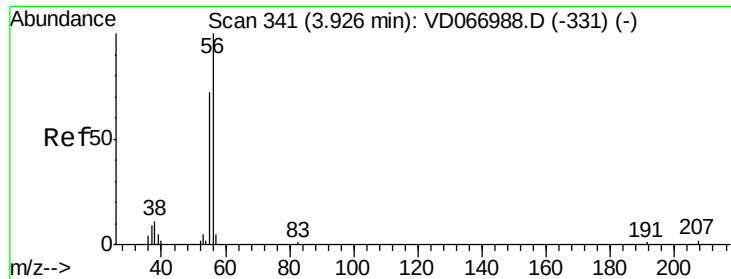


#12

1,1-Dichloroethene
Concen: 18.881 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.01 min
Lab File: VD067168.D
Acq: 07 Oct 2020 23:45

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	61944		
61	137.5		116.4	174.6
98	60.9		49.9	74.9





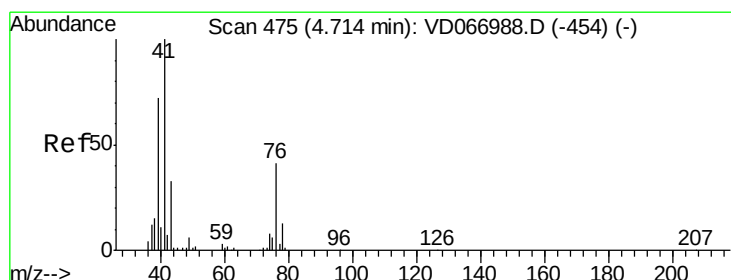
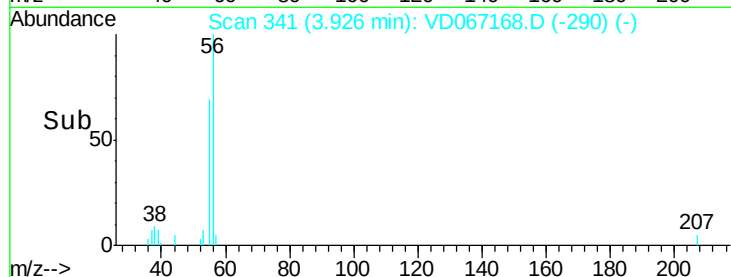
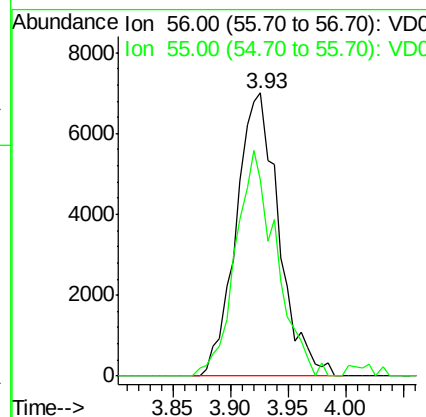
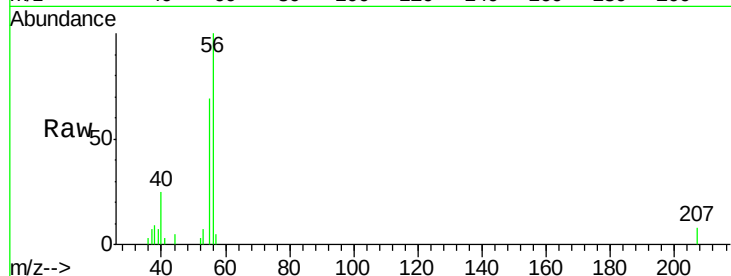
#13
 Acrolein
 Concen: 80.231 ug/l
 RT: 3.93 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VD067168.D
 Acq: 07 Oct 2020 23:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS02

Tot Ion	56	Resp	18009
Ion Ratio	100	Lower	Upper
55	76.4	56.9	85.3

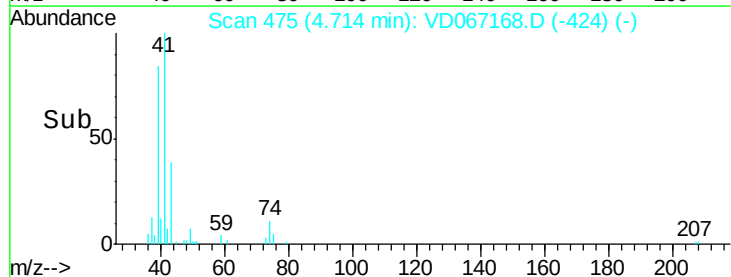
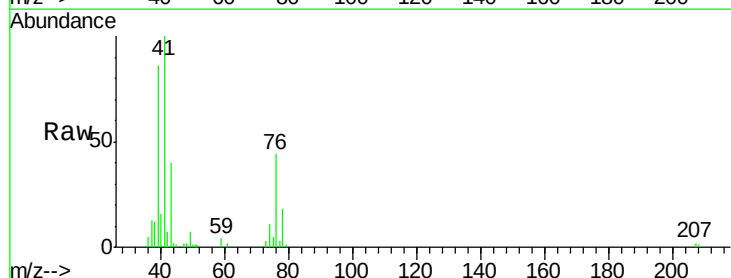
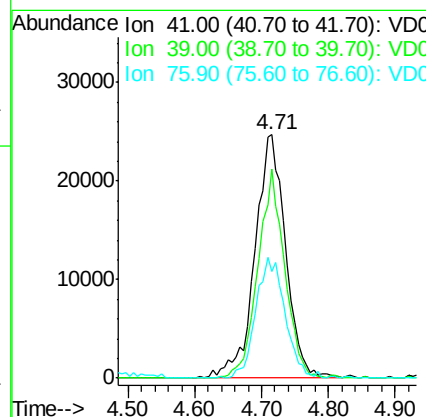
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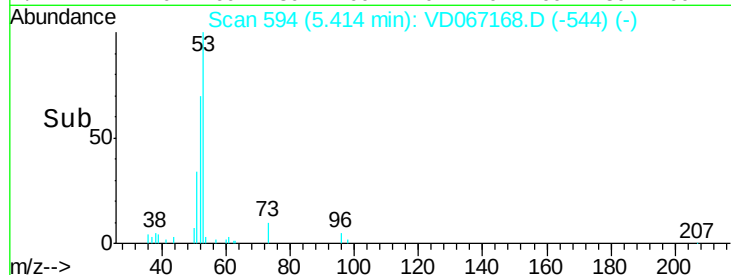
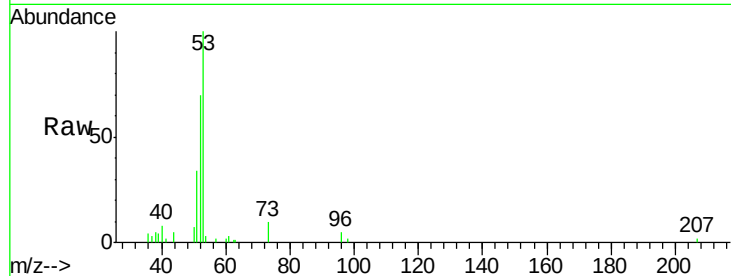
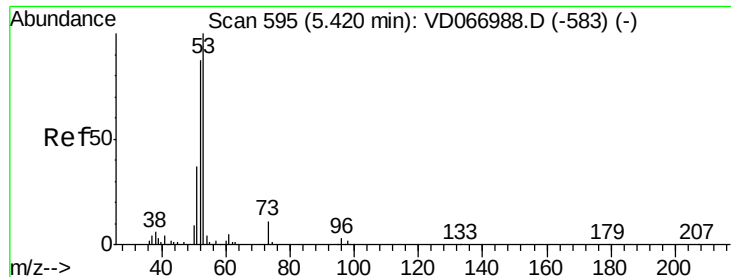
MMDadoda
 10/8/2020 5:39:39 PM



#14
 Allyl chloride
 Concen: 18.298 ug/l
 RT: 4.71 min Scan# 475
 Delta R.T. 0.00 min
 Lab File: VD067168.D
 Acq: 07 Oct 2020 23:45

Tgt Ion	41	Resp	77986
Ion Ratio	100	Lower	Upper
39	74.4	56.2	84.2
76	47.0	34.2	51.2





#15

Acrylonitrile

Concen: 98.869 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD067168.D

Acq: 07 Oct 2020 23:45

Tot Ion:	53	Resp:	55716
Ion Ratio	Lower	Upper	
53	100		
52	85.1	67.3	100.9
51	38.1	30.2	45.2

Instrument :

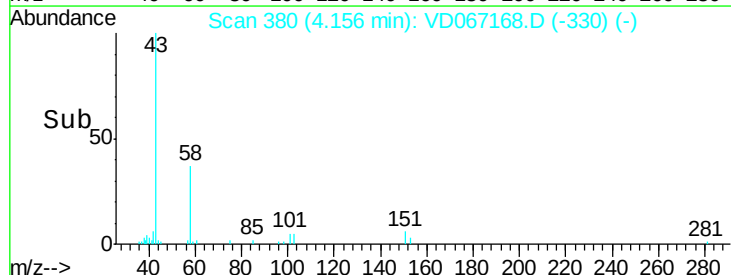
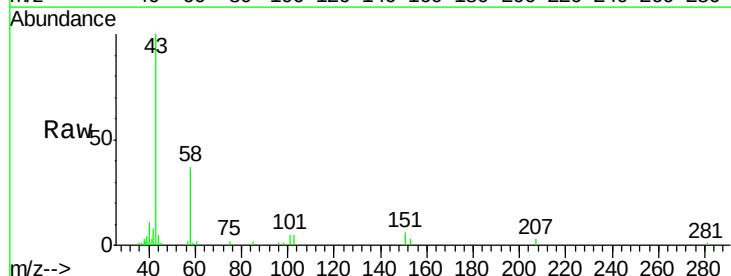
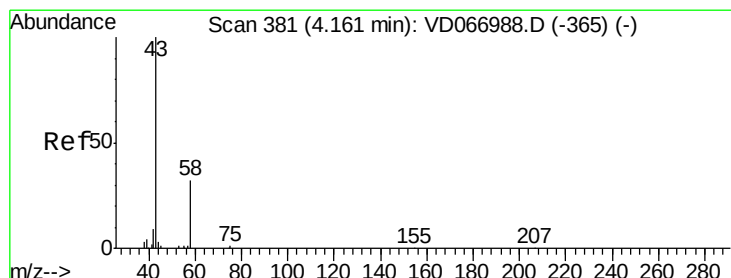
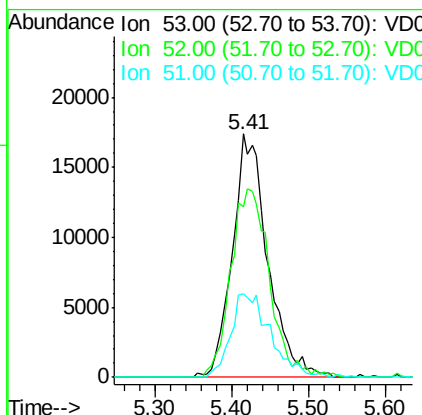
MSVOA_D

ClientSampleId :

VD1007SBS02

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#16

Acetone

Concen: 88.906 ug/l

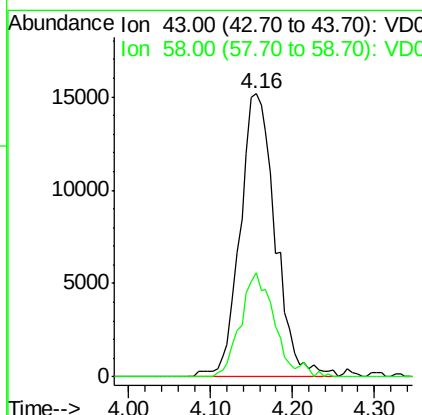
RT: 4.16 min Scan# 380

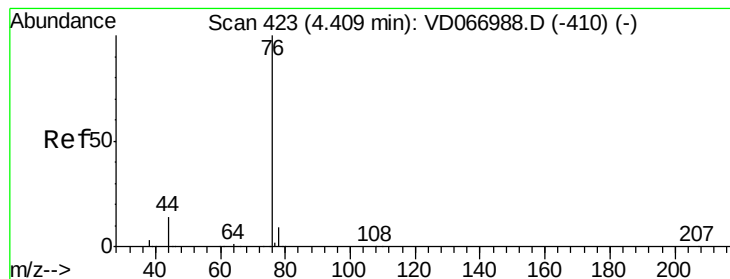
Delta R.T. -0.01 min

Lab File: VD067168.D

Acq: 07 Oct 2020 23:45

Tgt Ion:	43	Resp:	45495
Ion Ratio	Lower	Upper	
43	100		
58	36.6	25.9	38.9





#17

Carbon Disulfide

Concen: 19.169 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD067168.D

Acq: 07 Oct 2020 23:45

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS02

Tot Ion: 76 Resp: 193008

Ion Ratio Lower Upper

76 100

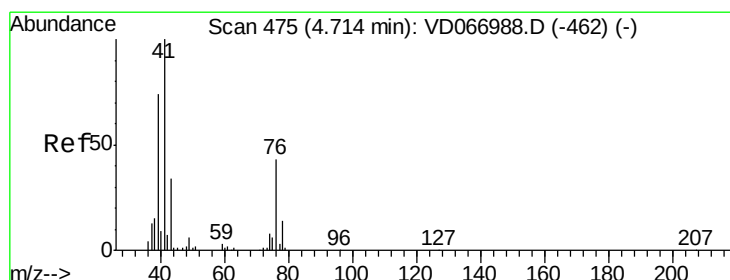
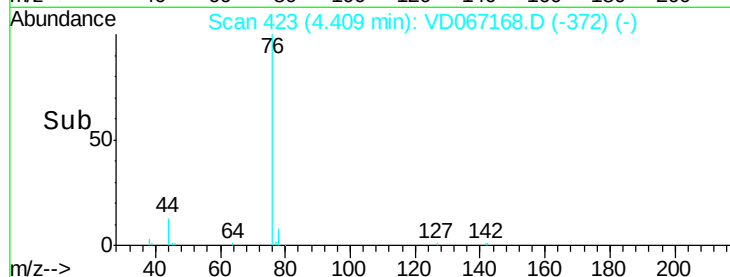
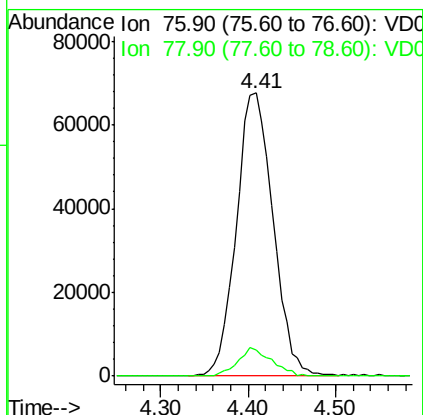
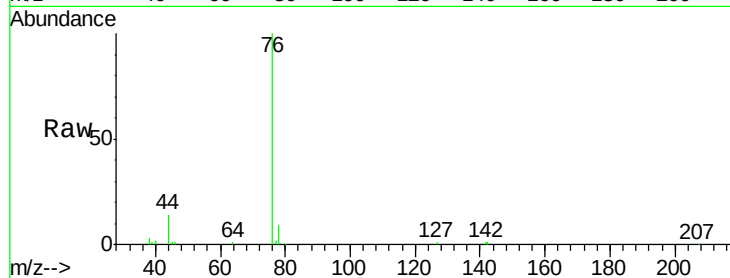
78 9.2 7.5 11.3

Manual Integrations

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#18

Methyl Acetate

Concen: 21.365 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067168.D

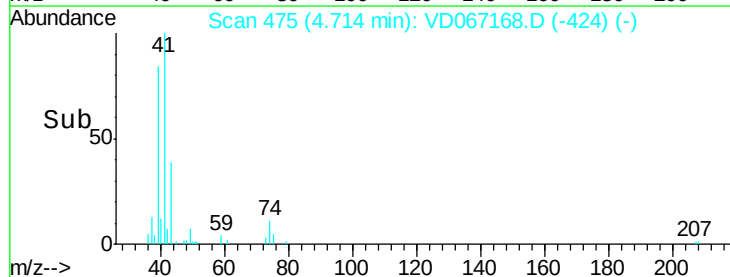
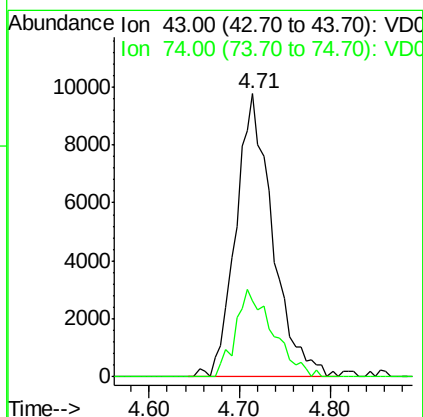
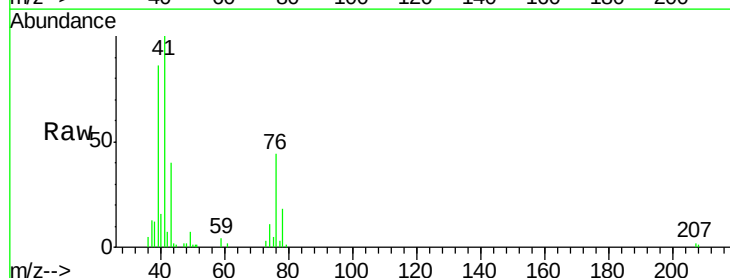
Acq: 07 Oct 2020 23:45

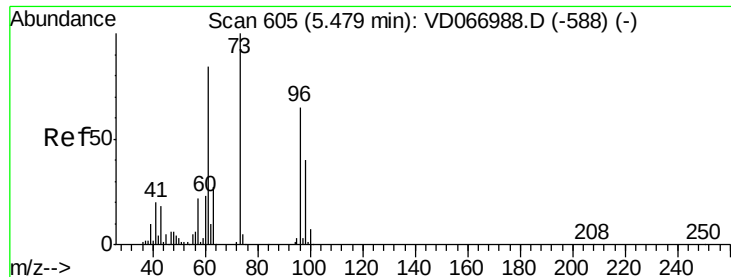
Tgt Ion: 43 Resp: 27478

Ion Ratio Lower Upper

43 100

74 31.5 21.5 32.3





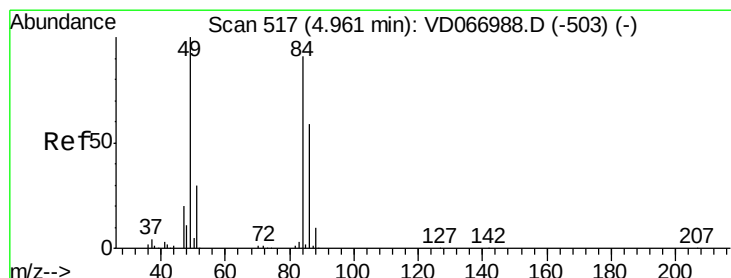
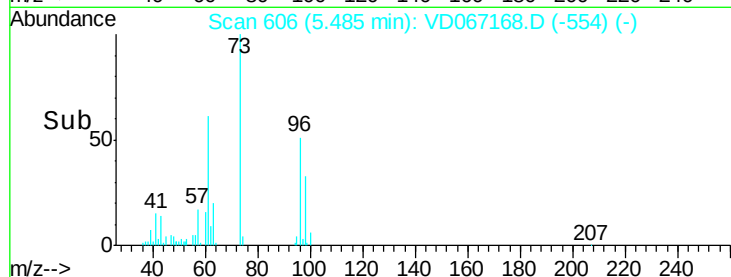
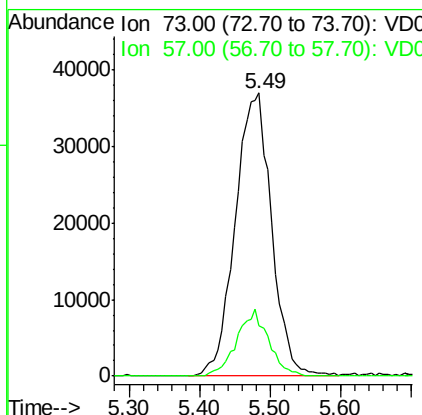
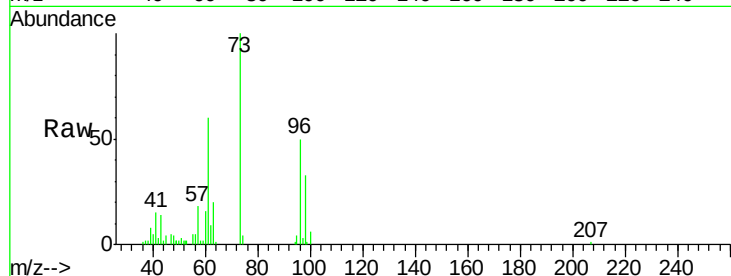
#19
Methyl tert-butyl Ether
Concen: 22.074 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD067168.D
Acq: 07 Oct 2020 23:45

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS02

Tot Ion: 73 Resp: 132206
Ion Ratio Lower Upper
73 100
57 17.7 17.4 26.0

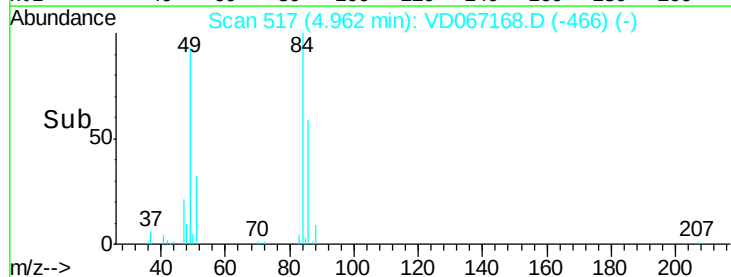
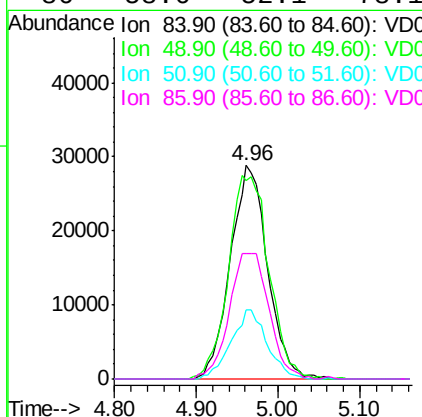
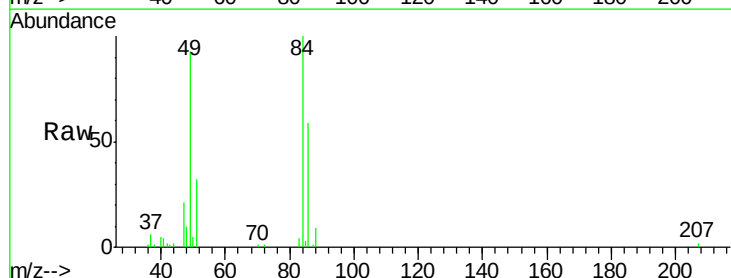
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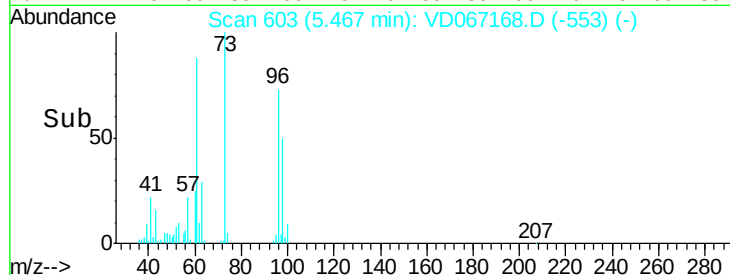
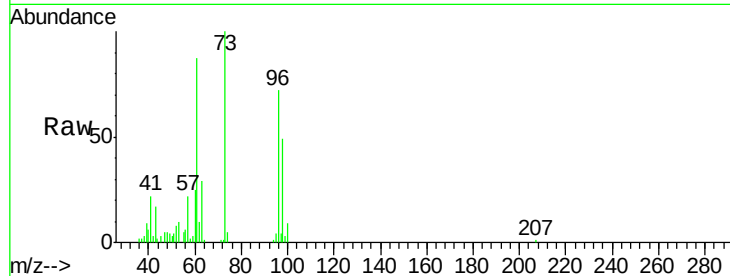
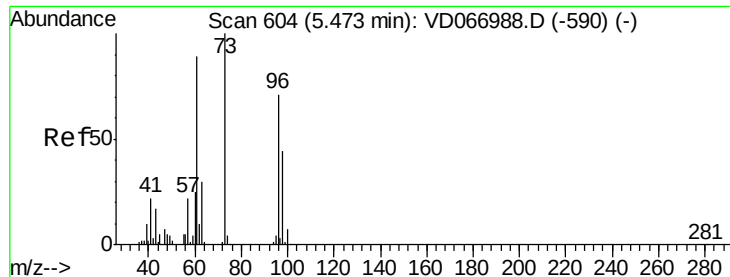
MMDadoda
10/8/2020 5:39:39 PM



#20
Methylene Chloride
Concen: 20.937 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067168.D
Acq: 07 Oct 2020 23:45

Tgt Ion: 84 Resp: 91385
Ion Ratio Lower Upper
84 100
49 92.8 88.2 132.2
51 32.4 26.6 39.8
86 58.6 52.1 78.1





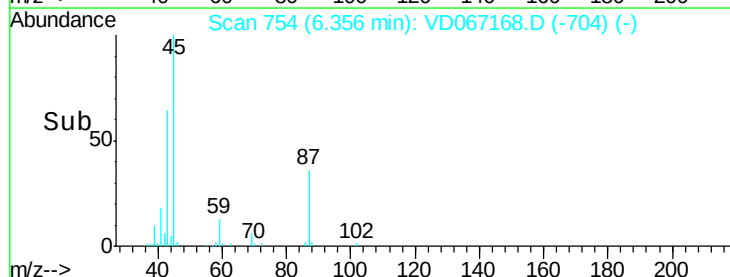
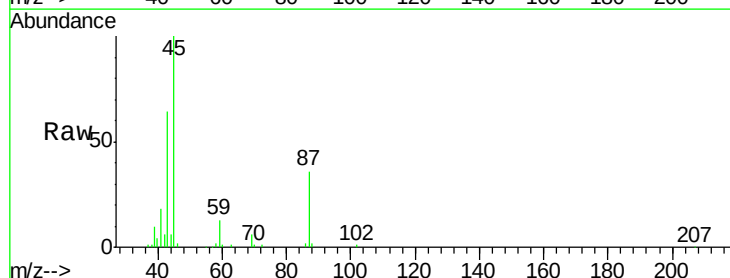
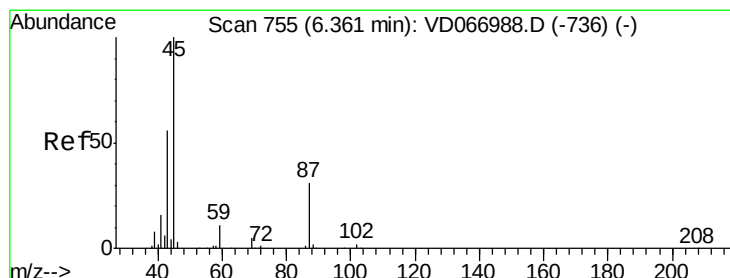
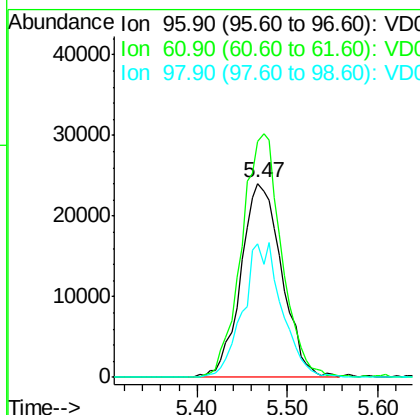
#21
trans-1,2-Dichloroethene
Concen: 20.200 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD067168.D
Acq: 07 Oct 2020 23:45

Tot Ion	Ratio	Lower	Upper
96	100		
61	121.4	99.6	149.4
98	68.6	49.4	74.2

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBSD02

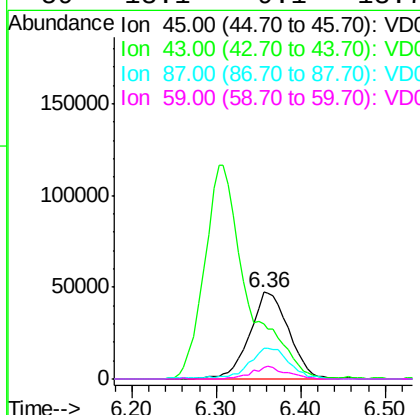
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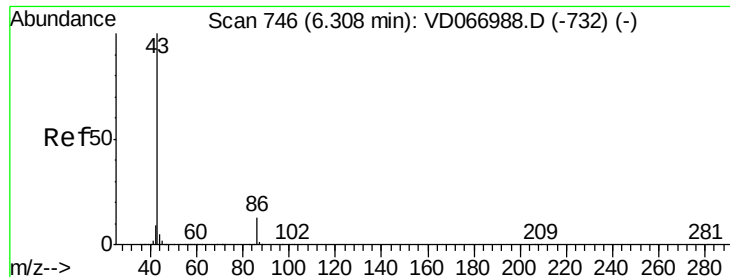
MMDadoda
10/8/2020 5:39:39 PM



#22
Diisopropyl ether
Concen: 19.610 ug/l
RT: 6.36 min Scan# 754
Delta R.T. -0.01 min
Lab File: VD067168.D
Acq: 07 Oct 2020 23:45

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.2	45.2	67.8
87	35.3	25.6	38.4
59	13.1	9.1	13.7





#23

Vinyl Acetate

Concen: 92.859 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067168.D

Acq: 07 Oct 2020 23:45

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS02

Tot Ion: 43 Resp: 409433

Ion Ratio Lower Upper

43 100

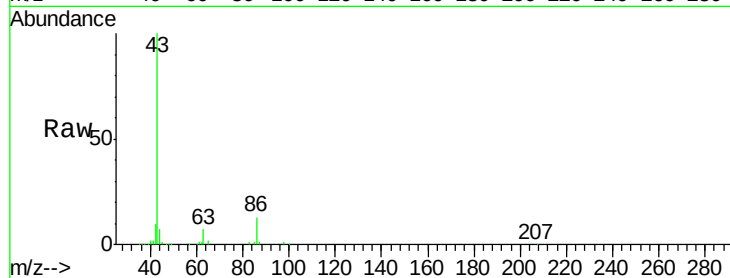
86 13.2 10.2 15.2

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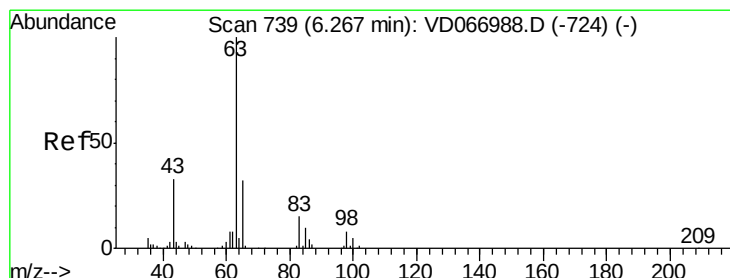
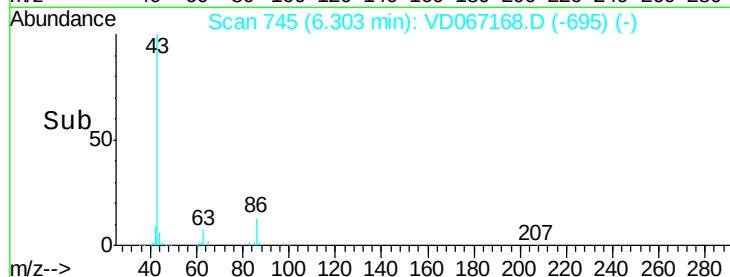
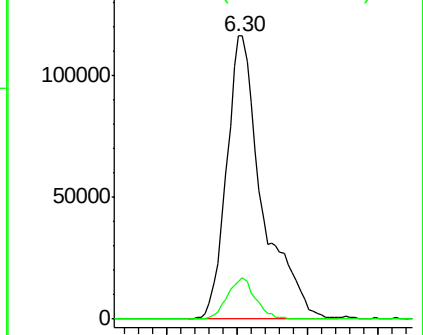
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.425 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067168.D

Acq: 07 Oct 2020 23:45

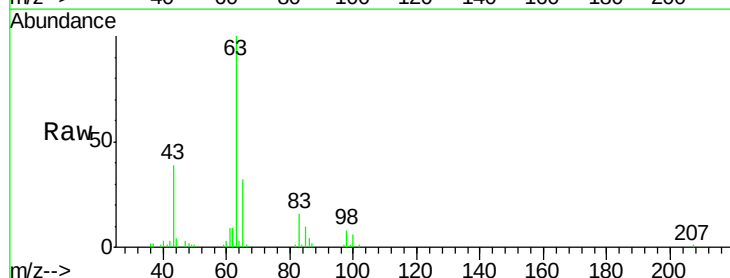
Tgt Ion: 63 Resp: 122648

Ion Ratio Lower Upper

63 100

98 8.2 4.2 12.6

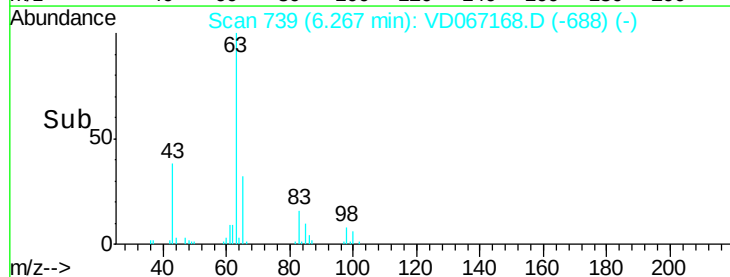
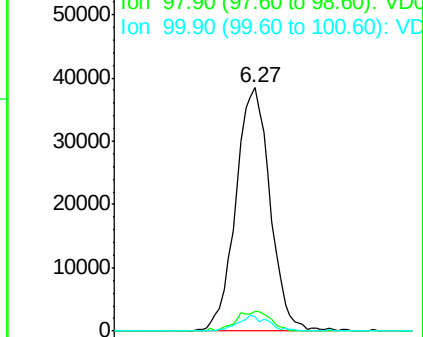
100 6.1 2.6 7.8

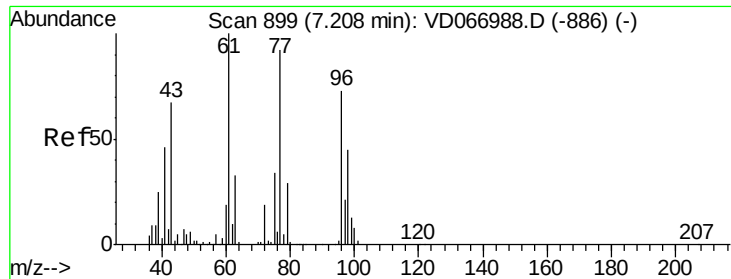


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 91.895 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD067168.D

Acq: 07 Oct 2020 23:45

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS02

Tot Ion: 43 Resp: 66670

Ion Ratio Lower Upper

43 100

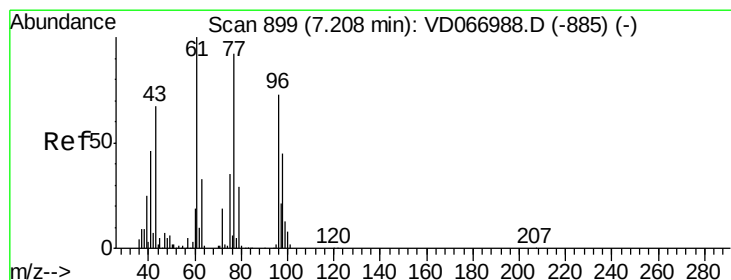
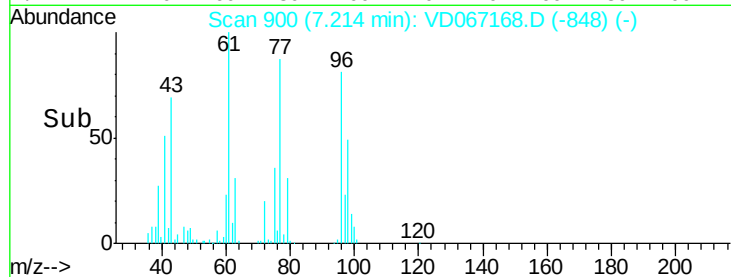
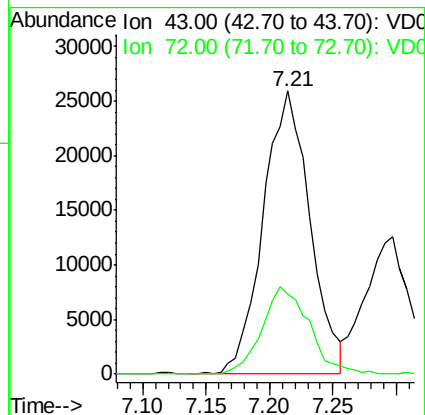
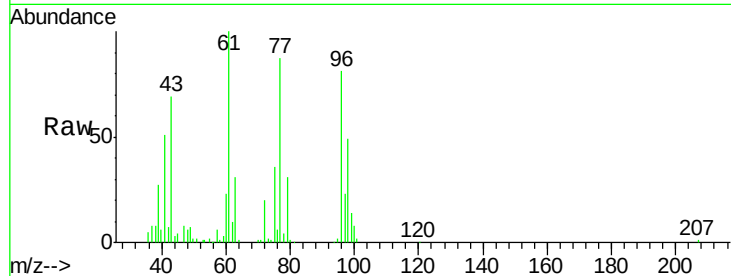
72 28.8 22.8 34.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 17.686 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067168.D

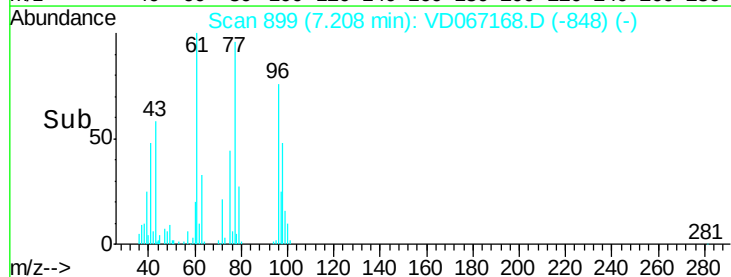
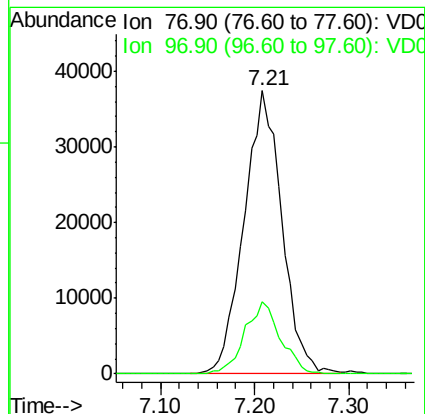
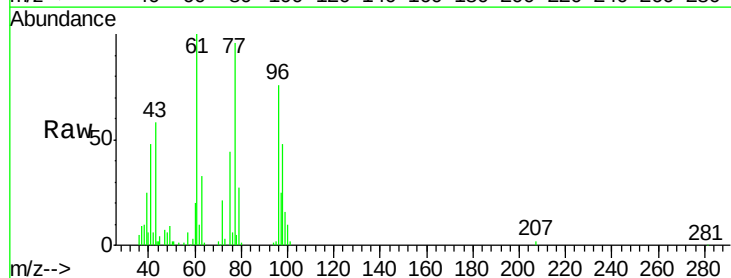
Acq: 07 Oct 2020 23:45

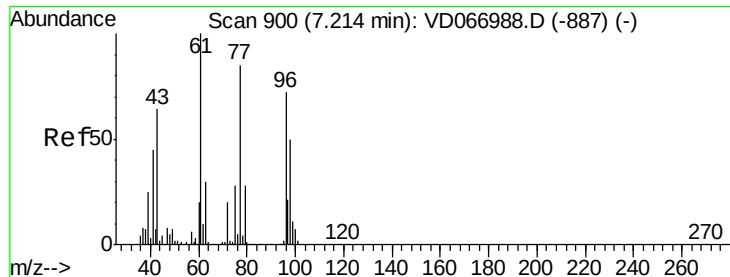
Tgt Ion: 77 Resp: 104506

Ion Ratio Lower Upper

77 100

97 24.0 11.4 34.2





#27

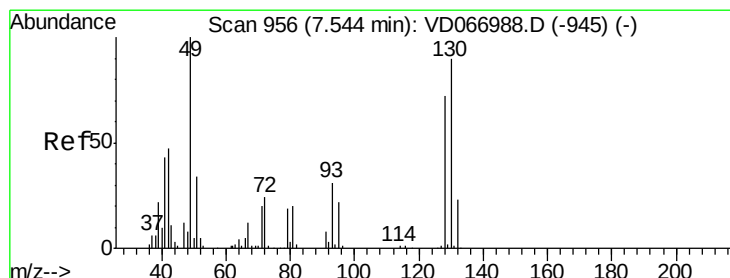
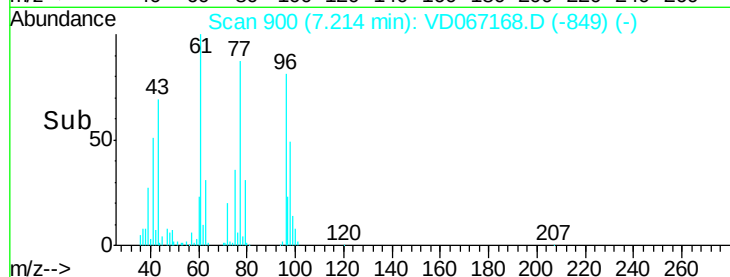
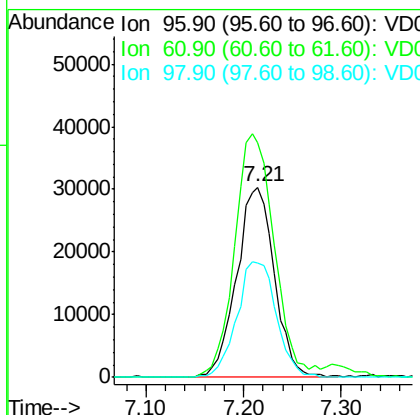
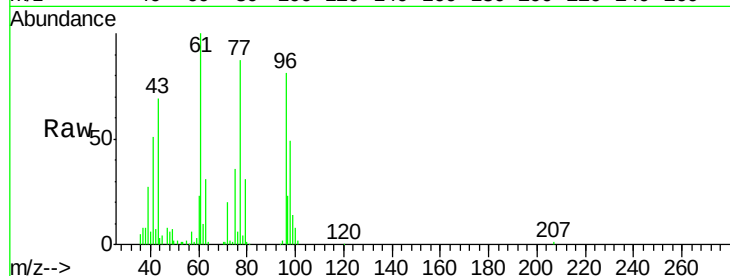
cis-1,2-Dichloroethene
Concen: 20.664 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067168.D
Acq: 07 Oct 2020 23:45

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.8	0.0	269.2
98	63.3	0.0	129.4

Manual Integrations
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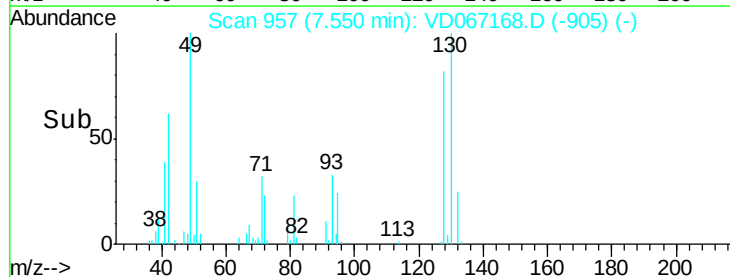
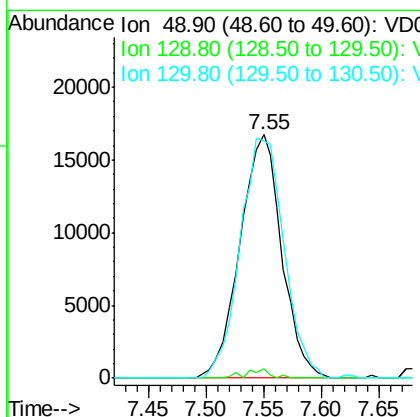
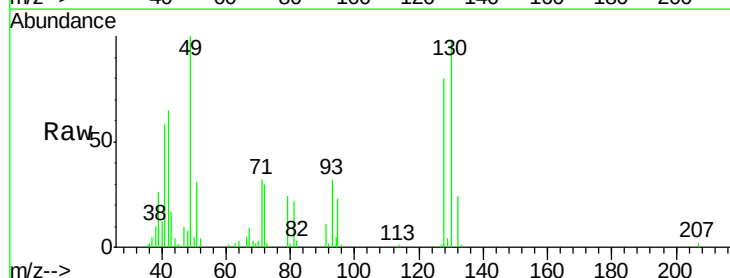
MMDadoda
10/8/2020 5:39:39 PM

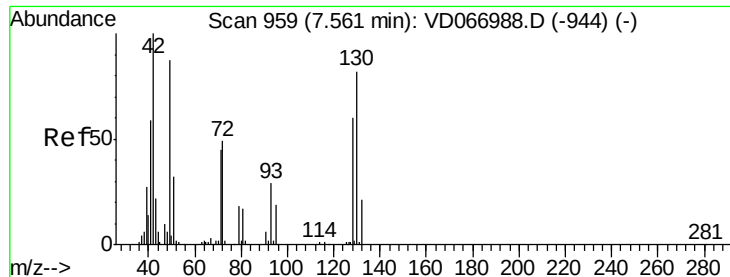


#28

Bromochloromethane
Concen: 18.161 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD067168.D
Acq: 07 Oct 2020 23:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.6
130	103.5	74.1	111.1





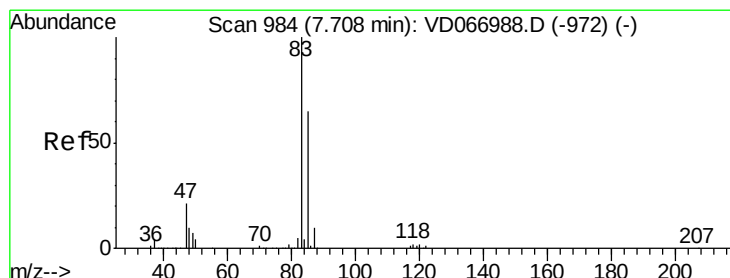
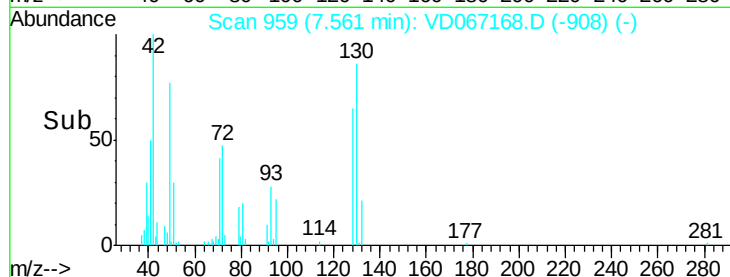
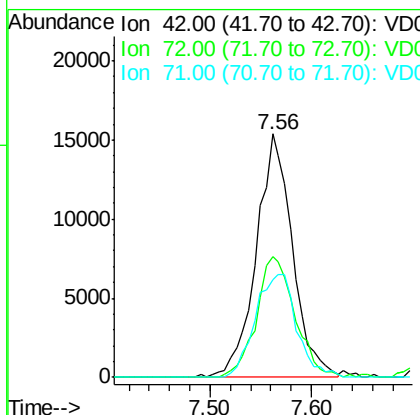
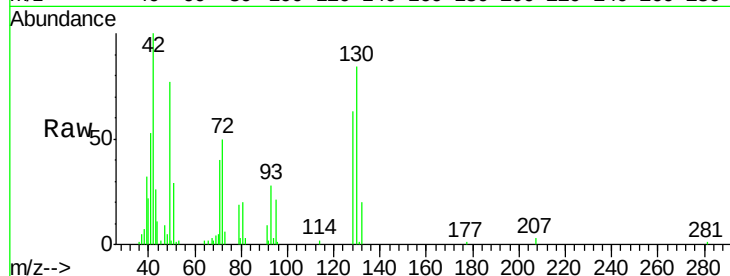
#29
Tetrahydrofuran
Concen: 91.757 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD067168.D
Acq: 07 Oct 2020 23:45

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.6	39.1	58.7
71	48.2	34.2	51.4

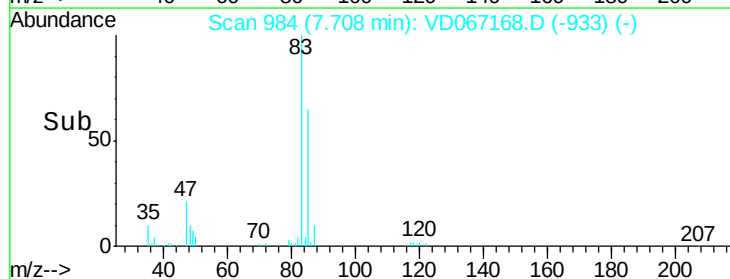
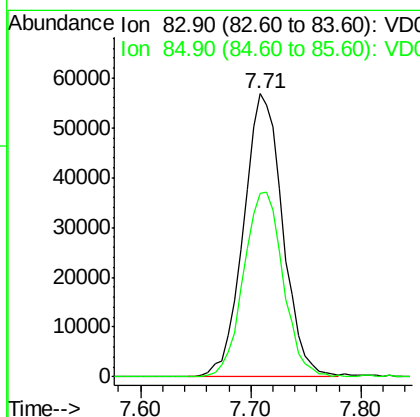
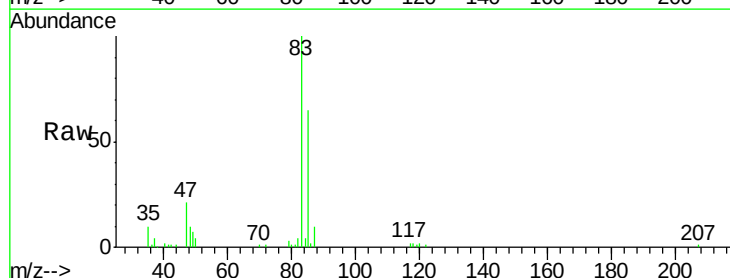
Manual Integrations
APPROVED

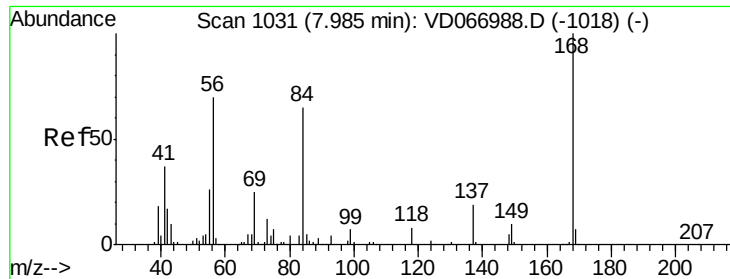
MMDadoda
10/8/2020 5:39:39 PM



#30
Chloroform
Concen: 21.700 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD067168.D
Acq: 07 Oct 2020 23:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.3	78.5





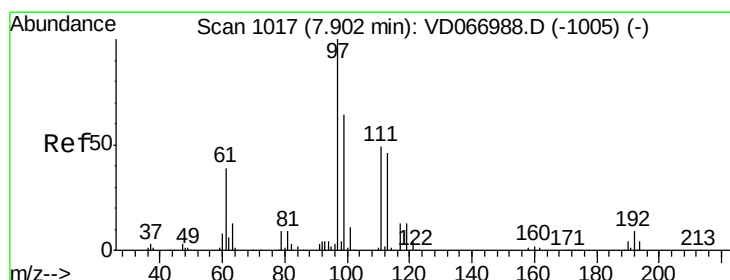
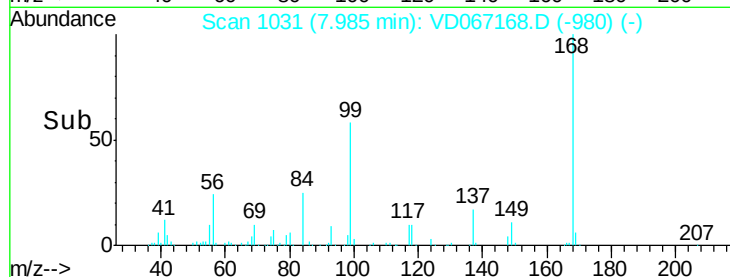
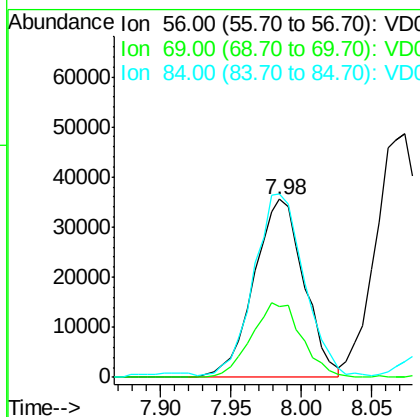
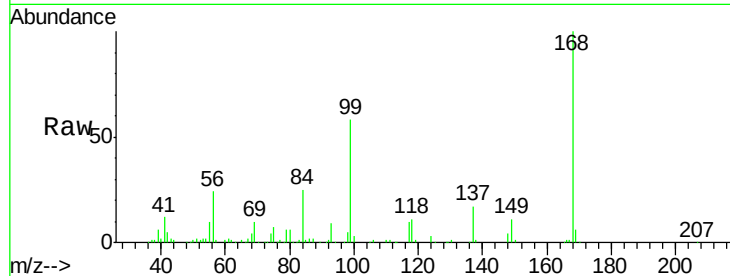
#31
Cyclohexane
Concen: 17.511 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067168.D
Acq: 07 Oct 2020 23:45

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		88155		
69	39.7	29.0		43.6	
84	100.8	74.2		111.2	

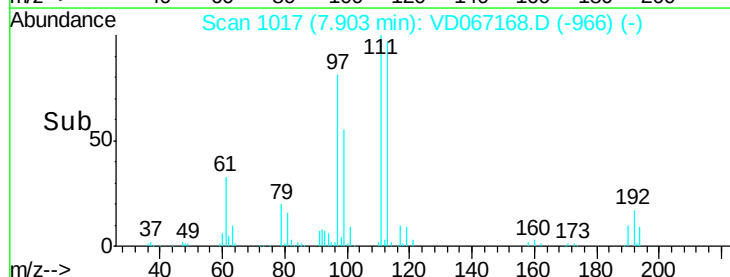
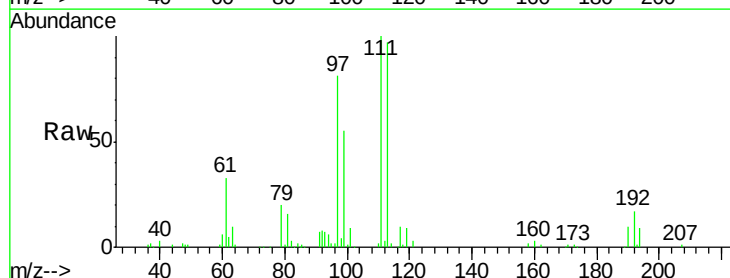
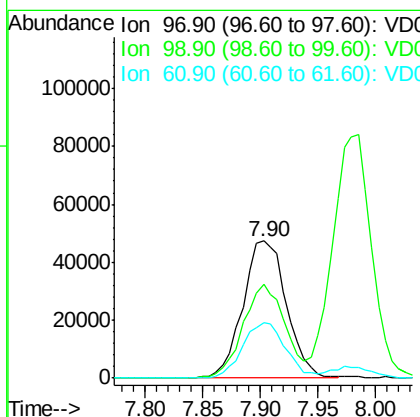
Manual Integrations
APPROVED

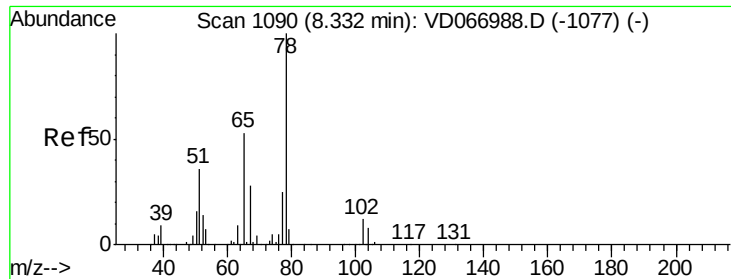
MMDadoda
10/8/2020 5:39:39 PM



#32
1,1,1-Trichloroethane
Concen: 20.624 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067168.D
Acq: 07 Oct 2020 23:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		124505		
99	65.6	52.6		78.8	
61	40.1	32.8		49.2	





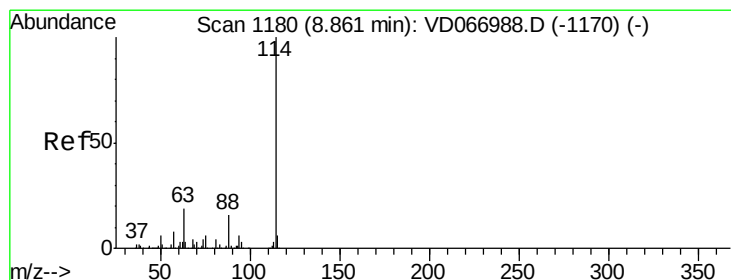
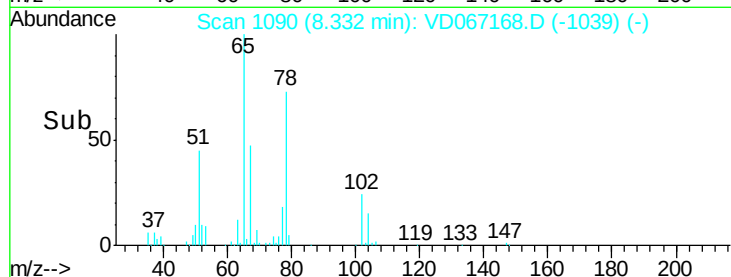
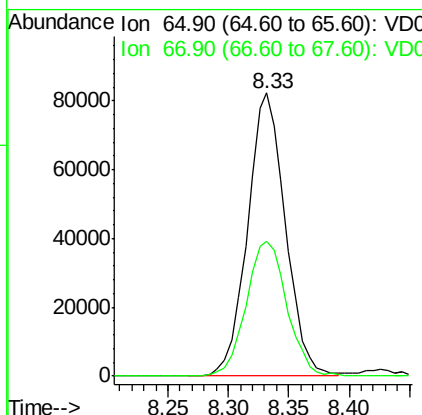
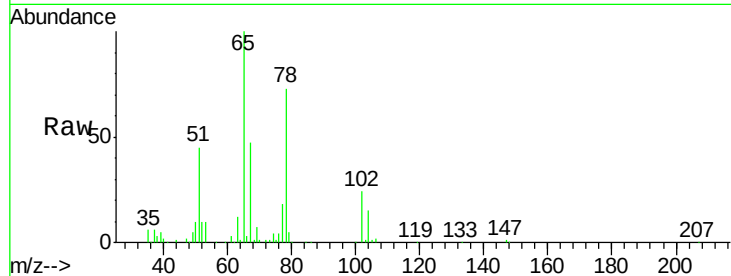
#33
 1,2-Dichloroethane-d4
 Concen: 53.298 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067168.D
 Acq: 07 Oct 2020 23:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	178667		
67	51.1	0.0	106.8	

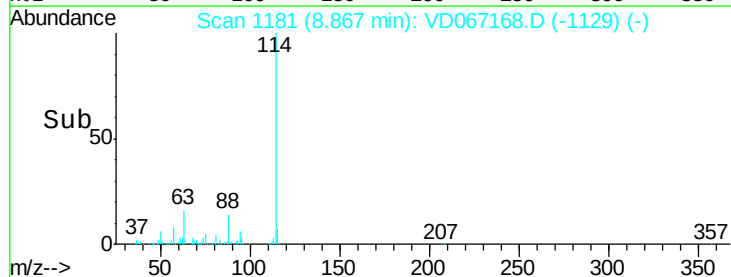
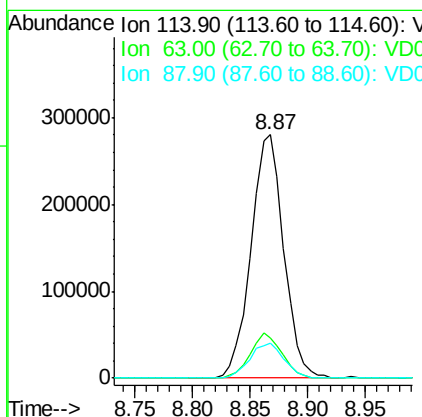
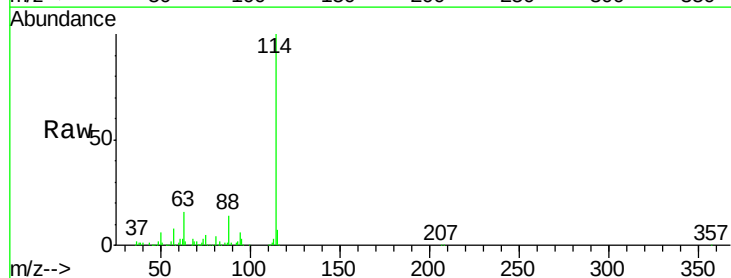
Manual Integrations
 APPROVED

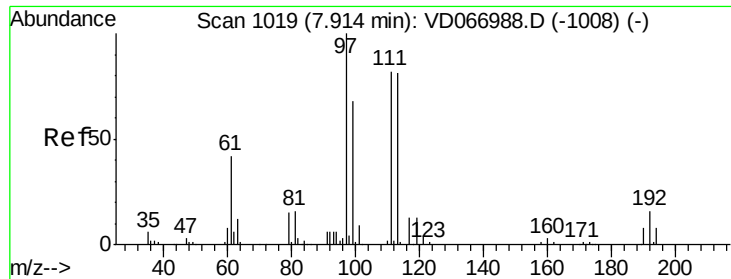
MMDadoda
 10/8/2020 5:39:39 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: VD067168.D
 Acq: 07 Oct 2020 23:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	553360		
63	16.3	0.0	38.4	
88	14.4	0.0	31.2	





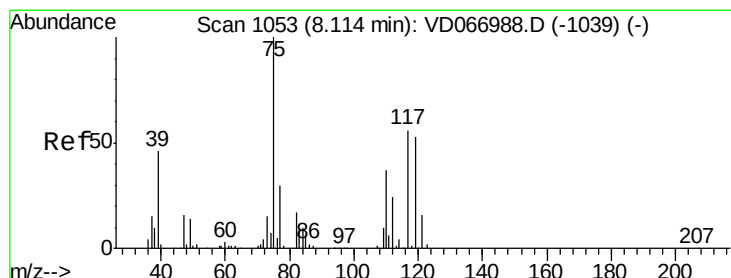
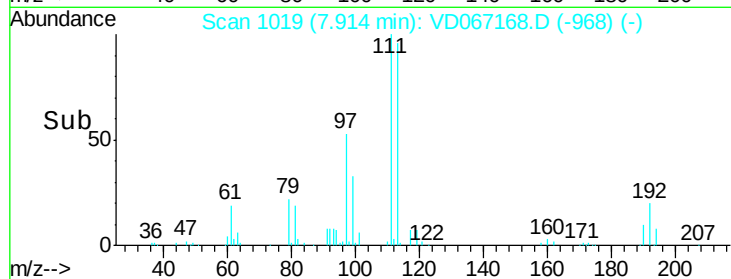
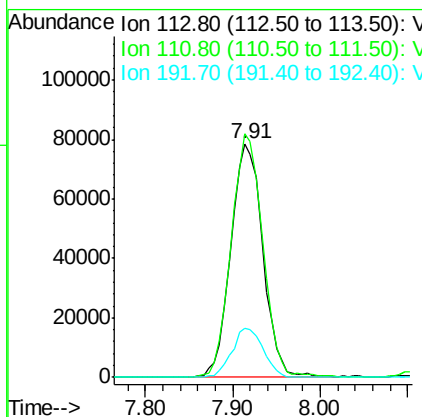
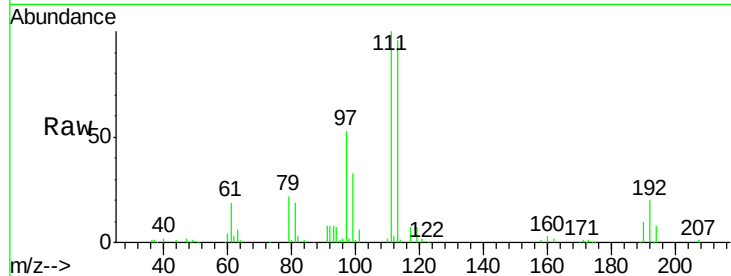
#35
Dibromofluoromethane
Concen: 53.762 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD067168.D
Acq: 07 Oct 2020 23:45

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	194766		
111	102.8	83.0	124.4	
192	20.5	15.5	23.3	

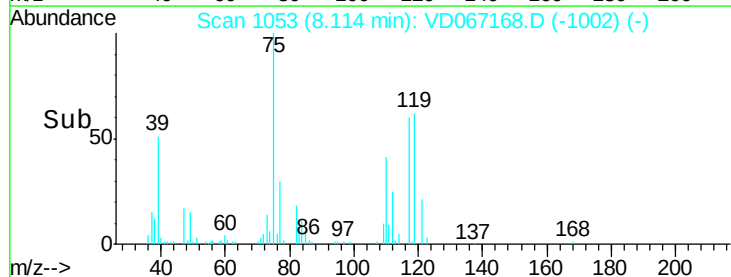
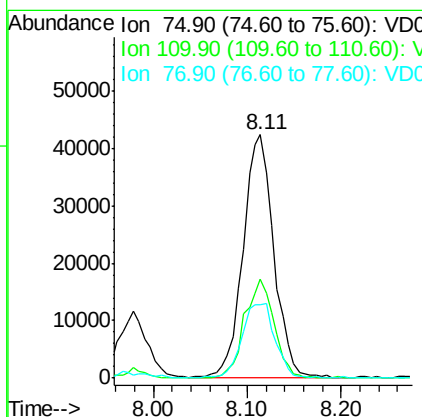
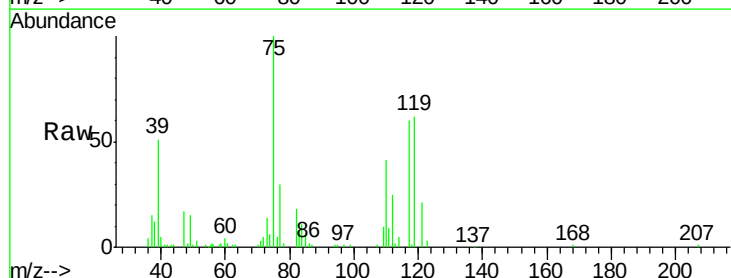
Manual Integrations
APPROVED

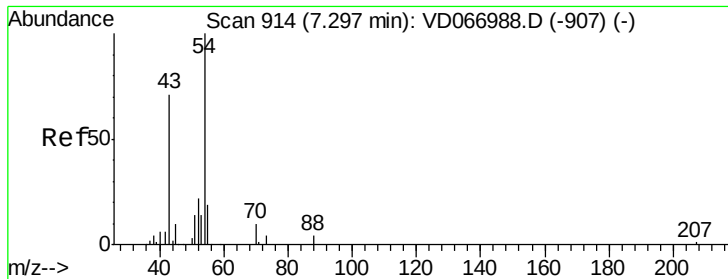
MMDadoda
10/8/2020 5:39:39 PM



#36
1,1-Dichloropropene
Concen: 18.664 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD067168.D
Acq: 07 Oct 2020 23:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	96266		
110	38.9	18.4	55.0	
77	33.0	24.8	37.2	





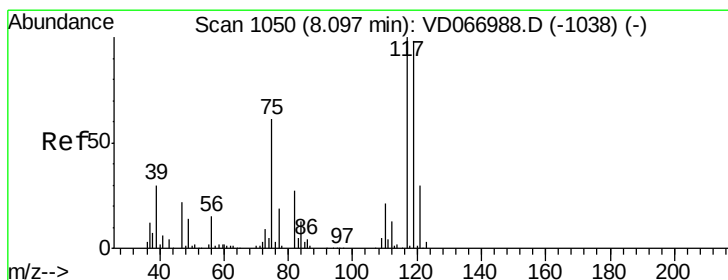
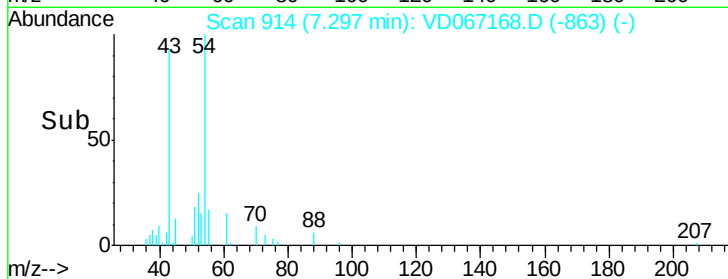
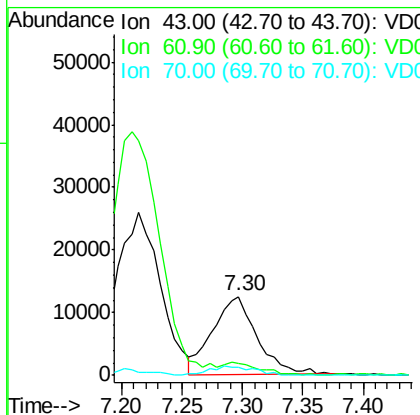
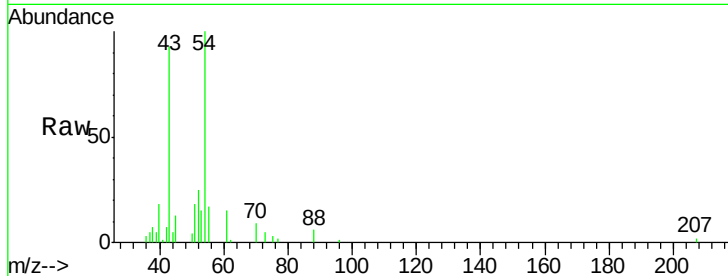
#37
Ethyl Acetate
Concen: 17.797 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067168.D
Acq: 07 Oct 2020 23:45

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	12.5	18.7
70	12.2	9.4	14.0

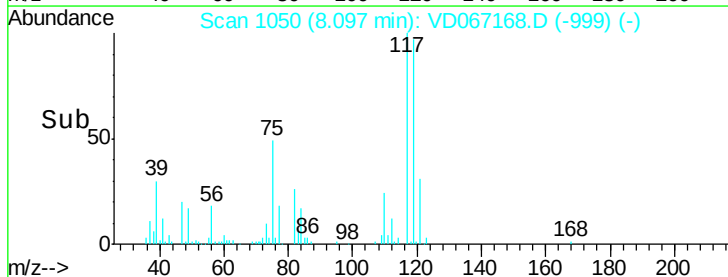
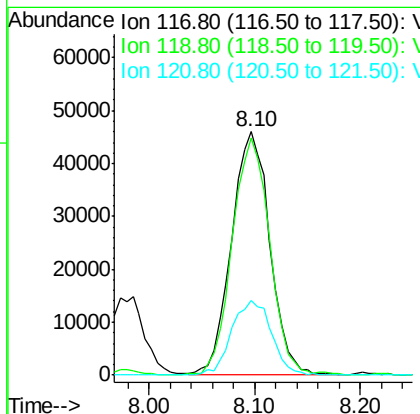
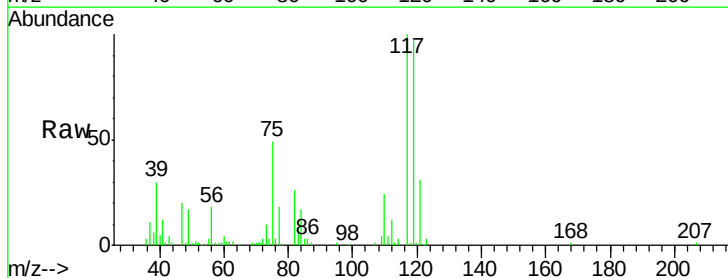
Manual Integrations
APPROVED

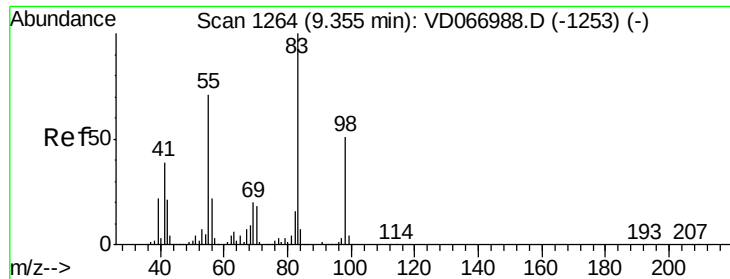
MMDadoda
10/8/2020 5:39:39 PM



#38
Carbon Tetrachloride
Concen: 20.788 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067168.D
Acq: 07 Oct 2020 23:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	78.7	118.1
121	30.5	24.2	36.2





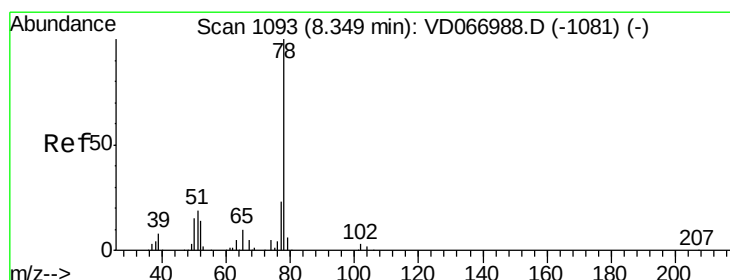
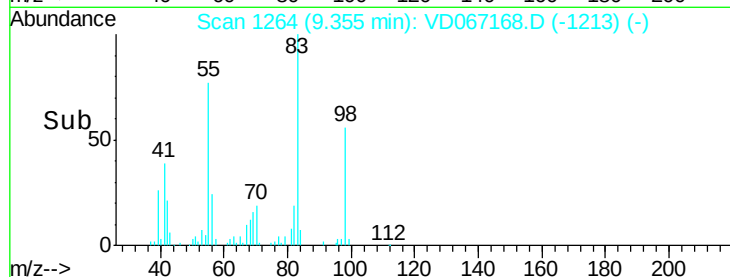
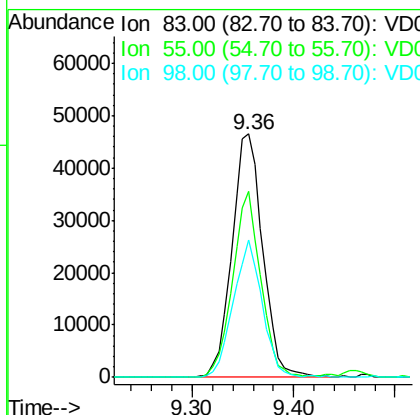
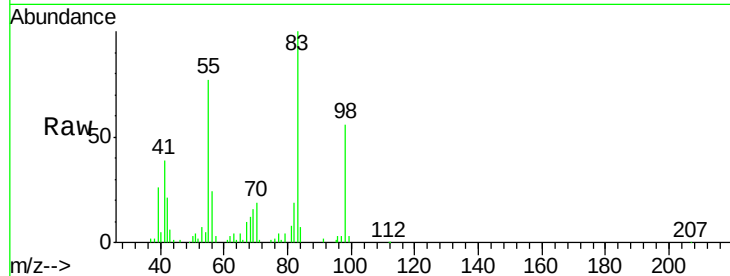
#39
Methylvlcyclohexane
Concen: 17.893 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067168.D
Acq: 07 Oct 2020 23:45

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBSD02

Tot Ion	83	Resp	97573
Ion Ratio	Lower	Upper	
83	100		
55	76.6	57.1	85.7
98	56.2	40.9	61.3

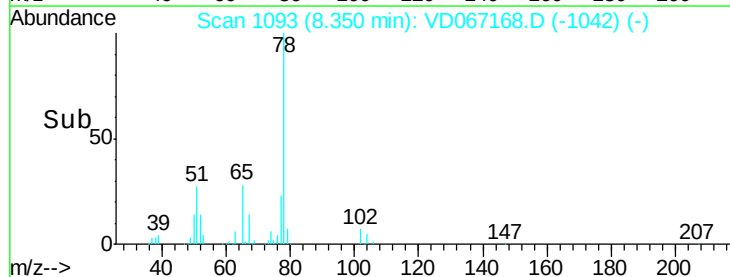
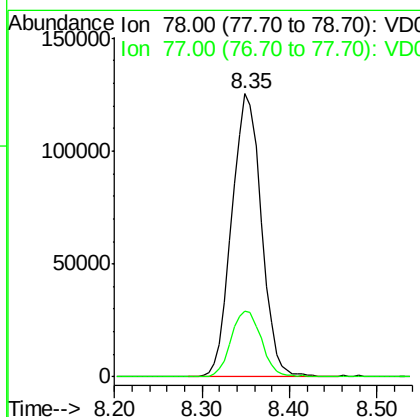
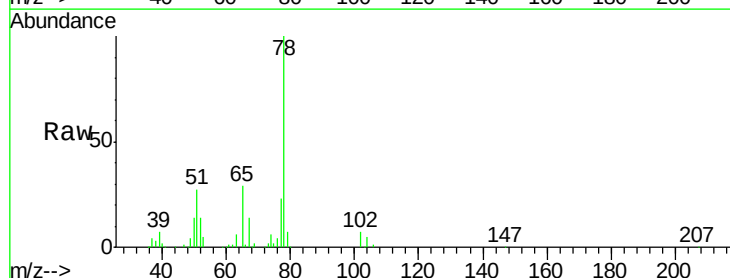
Manual Integrations
APPROVED

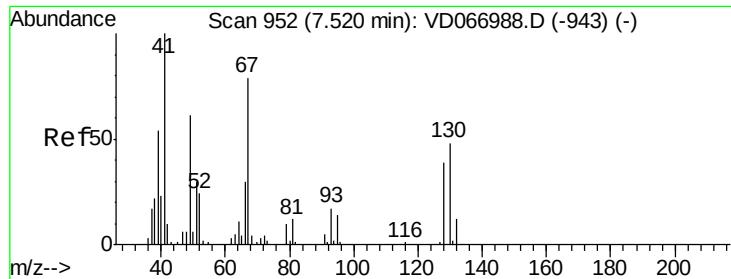
MMDadoda
10/8/2020 5:39:39 PM



#40
Benzene
Concen: 20.088 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067168.D
Acq: 07 Oct 2020 23:45

Tgt Ion	78	Resp	287786
Ion Ratio	Lower	Upper	
78	100		
77	23.0	18.4	27.6





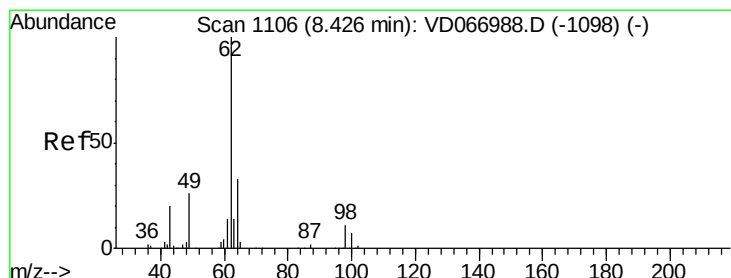
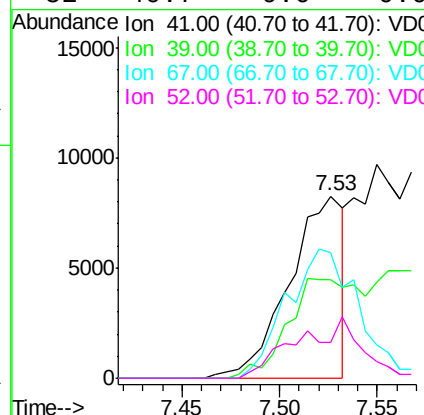
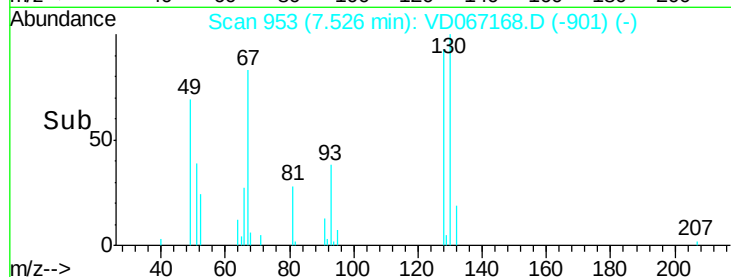
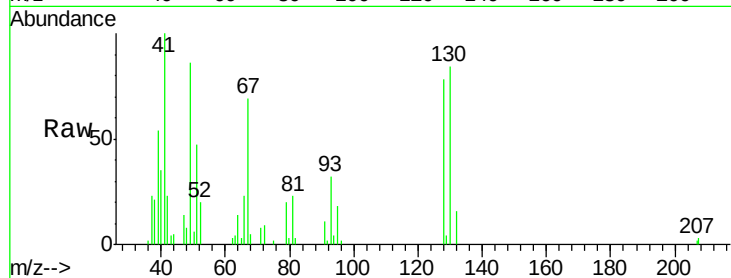
#41
Methacrylonitrile
Concen: 16.618 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.01 min
Lab File: VD067168.D
Acq: 07 Oct 2020 23:45

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	72.8	0.0	0.0#
67	92.7	0.0	0.0#
52	40.7	0.0	0.0#

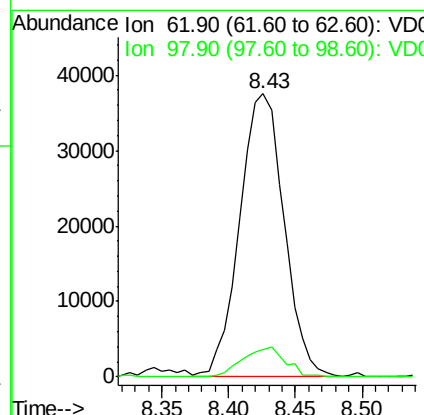
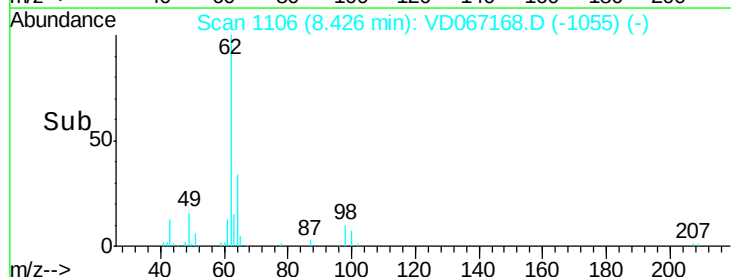
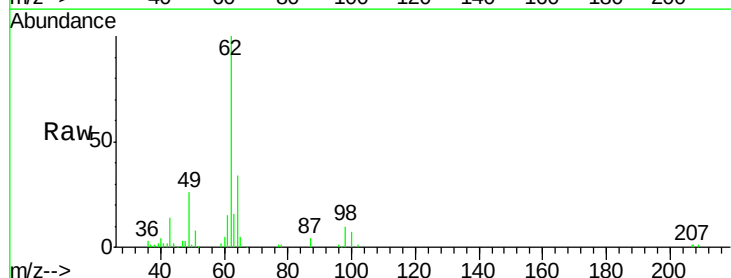
Manual Integrations
APPROVED

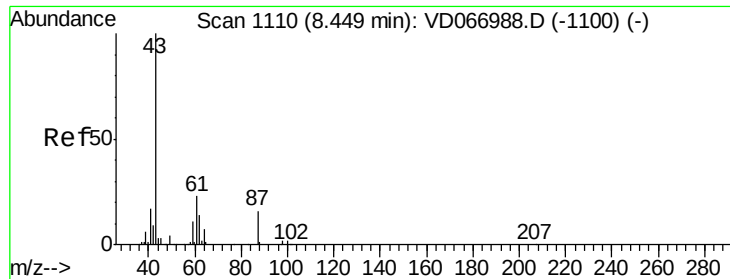
MMDadoda
10/8/2020 5:39:39 PM



#42
1,2-Dichloroethane
Concen: 21.627 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067168.D
Acq: 07 Oct 2020 23:45

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	22.6





#43

Isopropyl Acetate

Concen: 18.680 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD067168.D

Acq: 07 Oct 2020 23:45

Instrument :

MSVOA_D

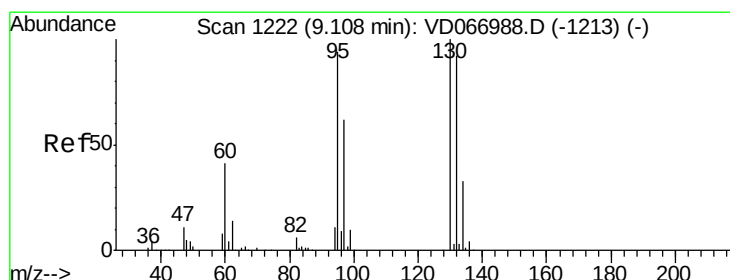
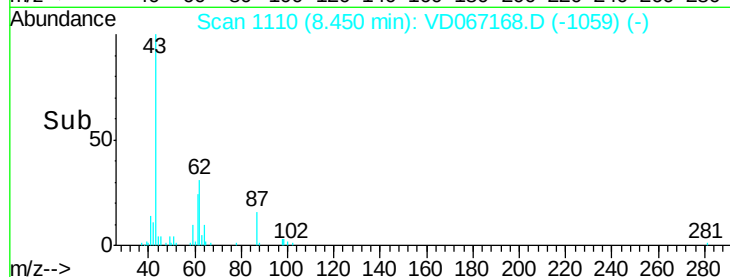
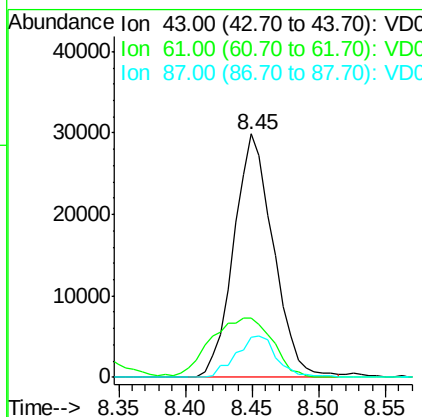
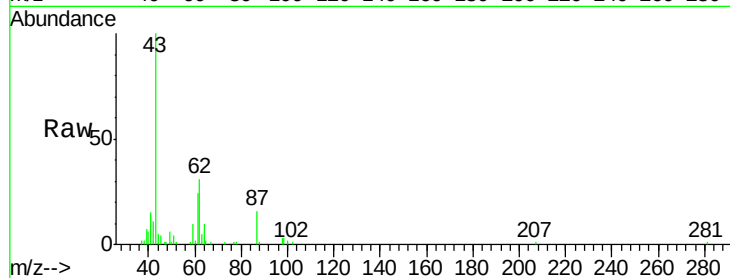
ClientSampleId :

VD1007SBS02

Tot Ion:	43	Resp:	61491
Ion	Ratio	Lower	Upper
43	100		
61	37.9	27.1	40.7
87	17.4	12.3	18.5

Manual Integrations
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10/8/2020 5:39:39 PM



#44

Trichloroethene

Concen: 20.773 ug/l

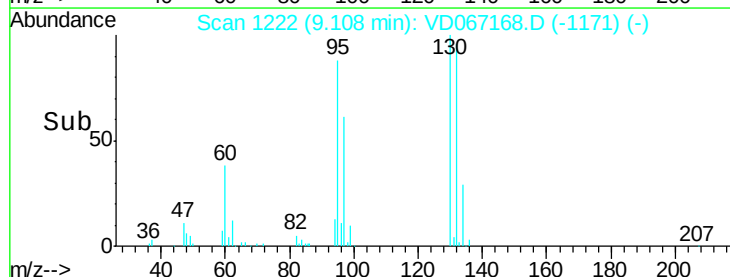
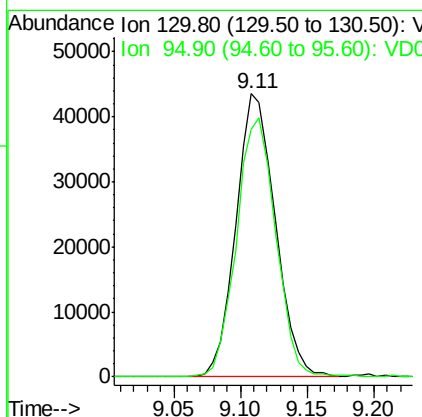
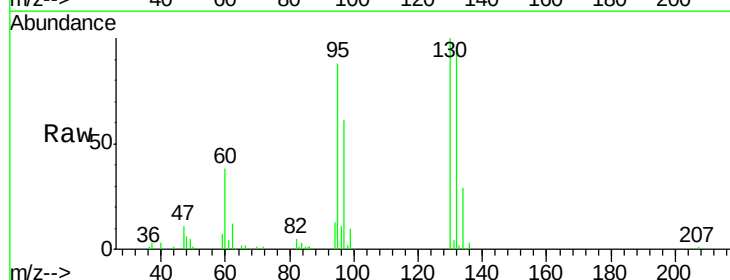
RT: 9.11 min Scan# 1222

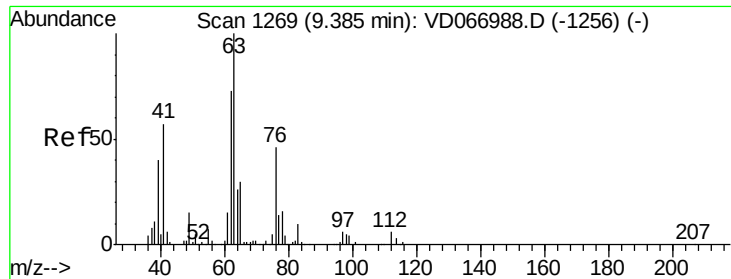
Delta R.T. 0.00 min

Lab File: VD067168.D

Acq: 07 Oct 2020 23:45

Tgt Ion:	130	Resp:	88865
Ion	Ratio	Lower	Upper
130	100		
95	87.6	0.0	187.8





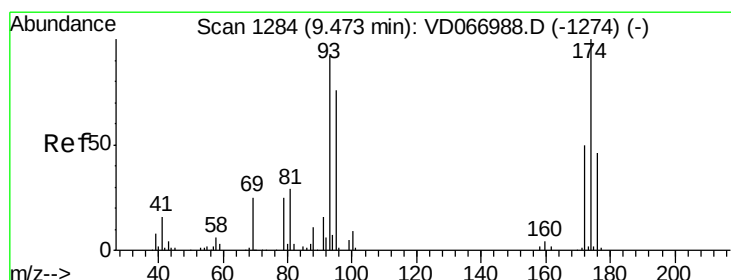
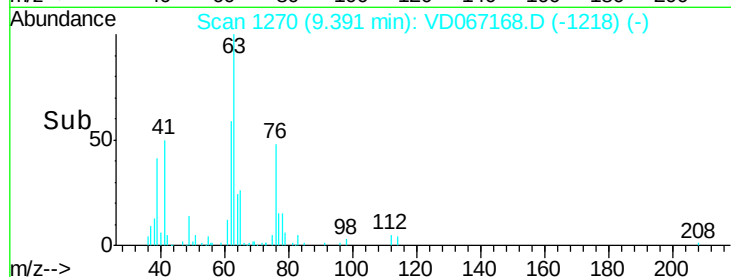
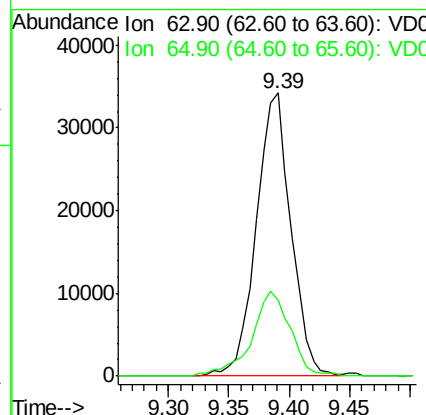
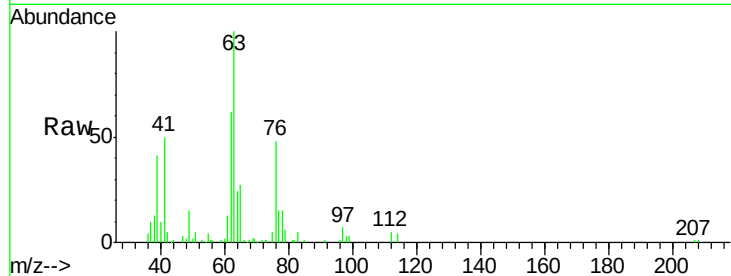
#45
 1,2-Dichloropropane
 Concen: 20.294 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VD067168.D
 Acq: 07 Oct 2020 23:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS02

Tot Ion: 63 Resp: 68312
 Ion Ratio Lower Upper
 63 100
 65 26.8 23.7 35.5

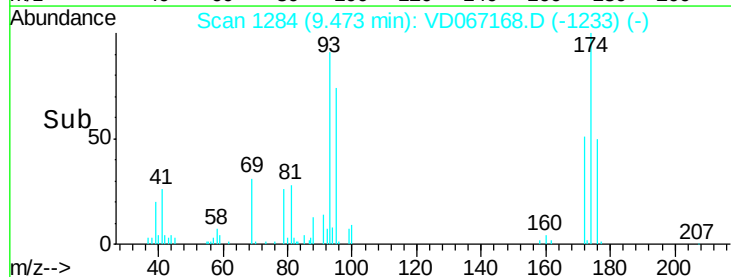
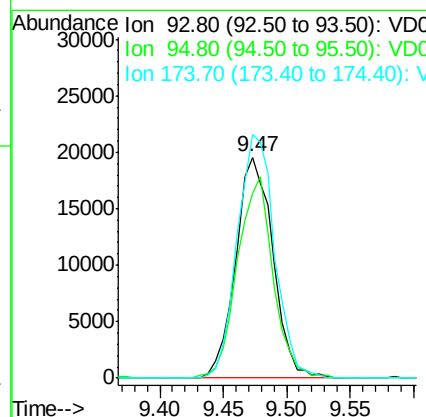
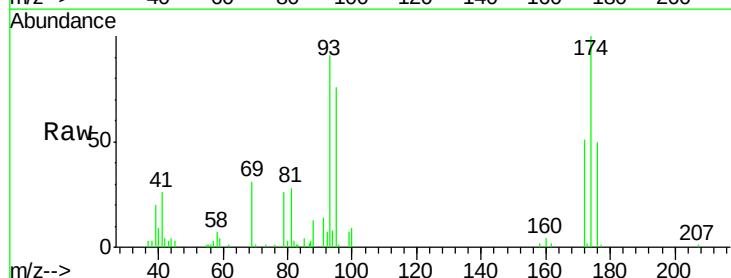
Manual Integrations
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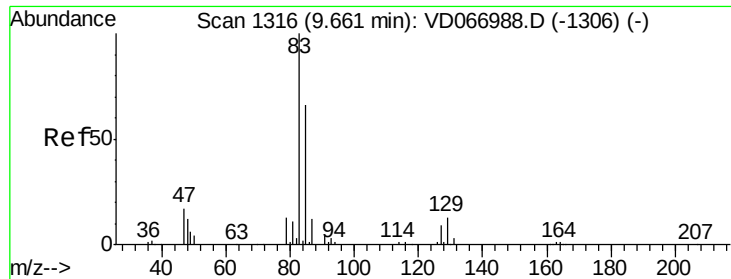
MMDadoda
 10/8/2020 5:39:39 PM



#46
 Dibromomethane
 Concen: 20.559 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VD067168.D
 Acq: 07 Oct 2020 23:45

Tgt Ion: 93 Resp: 39775
 Ion Ratio Lower Upper
 93 100
 95 87.3 64.7 97.1
 174 110.5 81.4 122.2





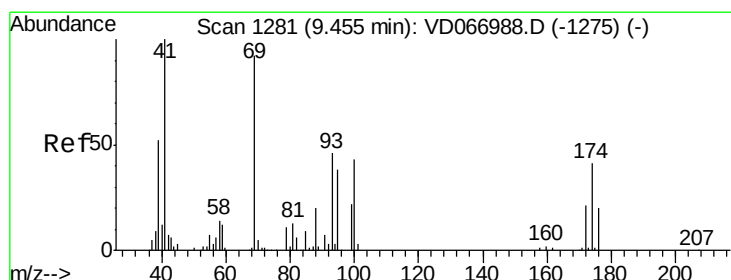
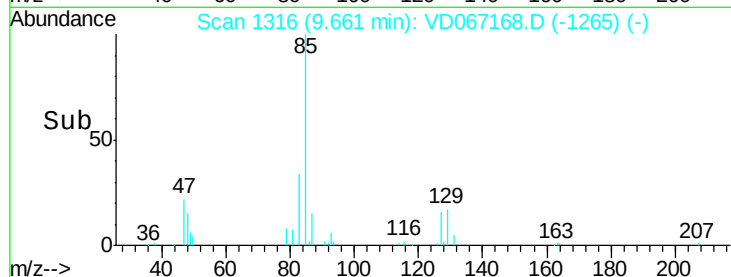
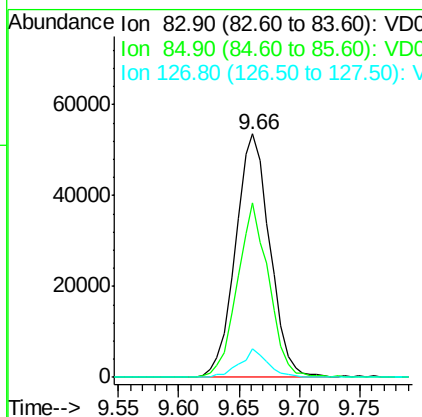
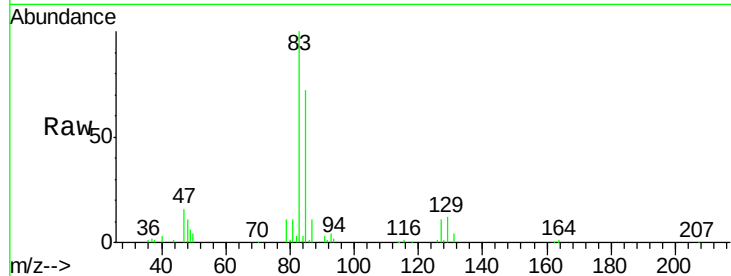
#47
Bromodichloromethane
Concen: 21.116 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VD067168.D
Acq: 07 Oct 2020 23:45

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	71.6	52.9	79.3	
127	11.5	7.3	10.9#	

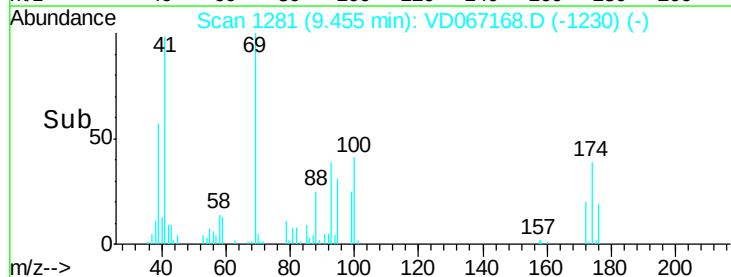
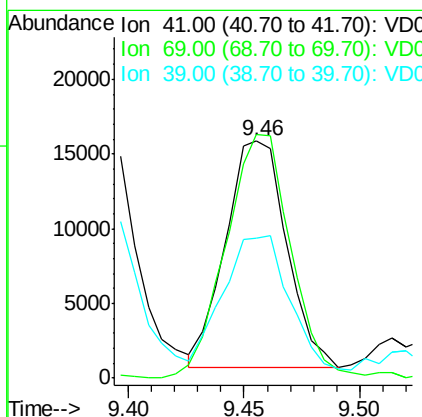
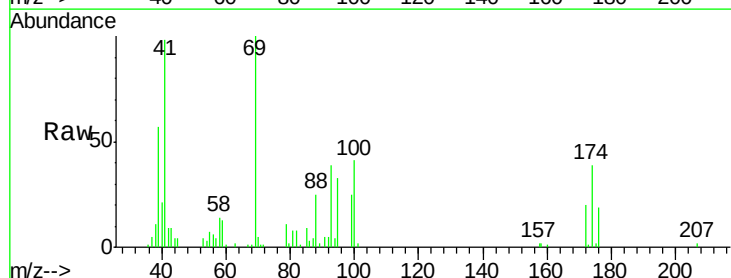
Manual Integrations
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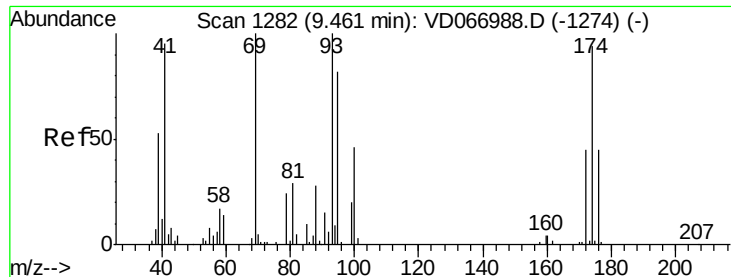
MMDadoda
10/8/2020 5:39:39 PM



#48
Methyl methacrylate
Concen: 16.540 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD067168.D
Acq: 07 Oct 2020 23:45

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	114.0	68.5	102.7#	
39	71.9	40.2	60.2#	





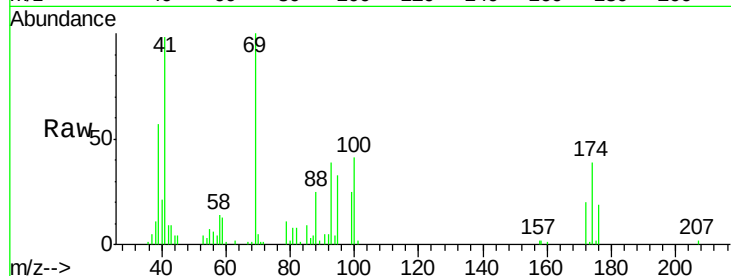
#49
1,4-Dioxane
Concen: 389.062 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD067168.D
Acq: 07 Oct 2020 23:45

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.0	25.6	38.4
58	64.2	53.5	80.3

Manual Integrations
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MMDadoda
10/8/2020 5:39:39 PM

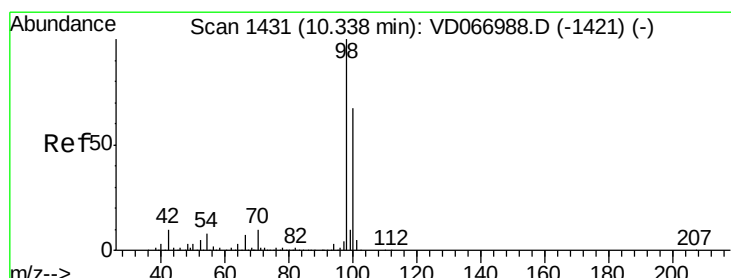
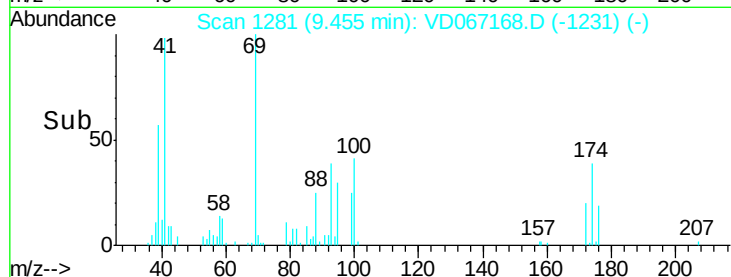
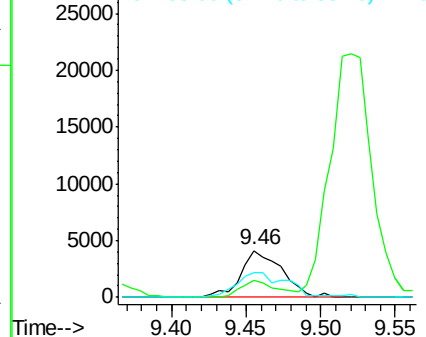


Abundance

Ion 88.00 (87.70 to 88.70): VDC

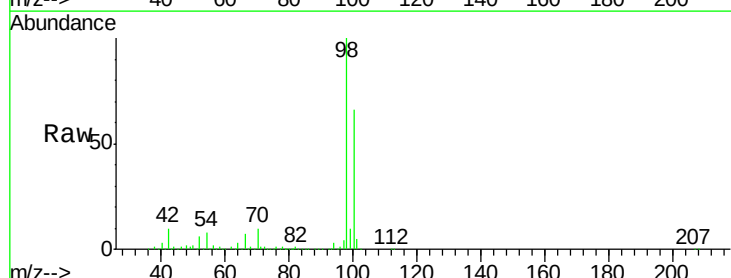
Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50
Toluene-d8
Concen: 53.303 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067168.D
Acq: 07 Oct 2020 23:45

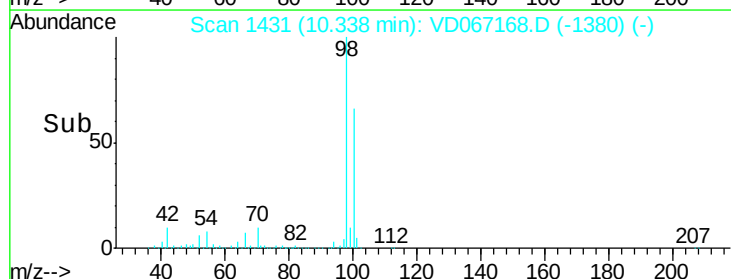
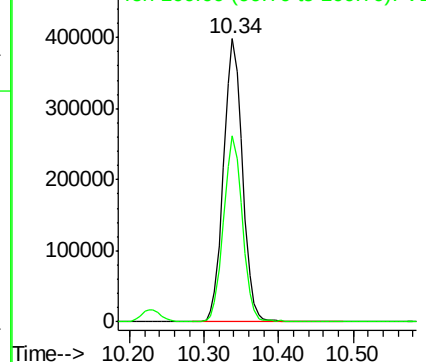
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.8	79.2

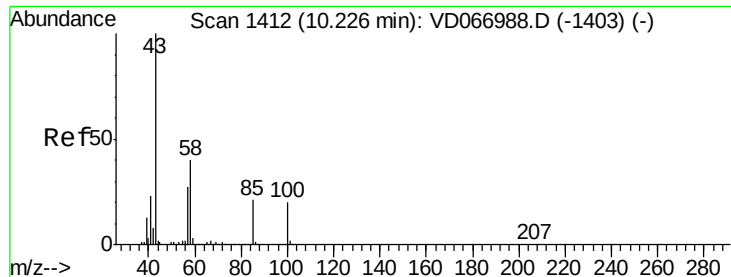


Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





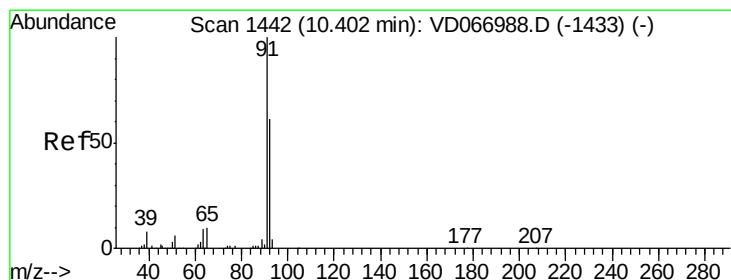
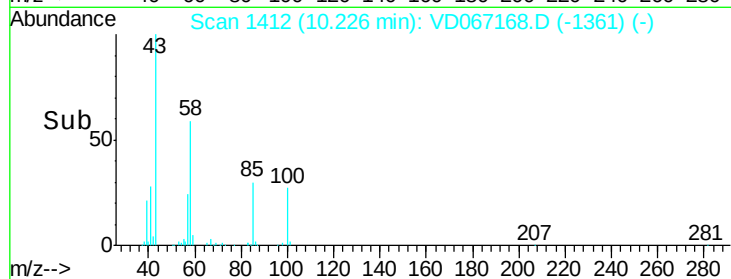
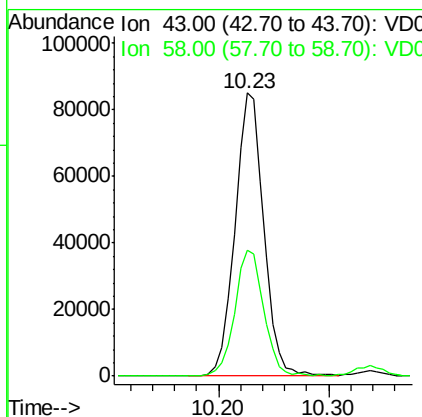
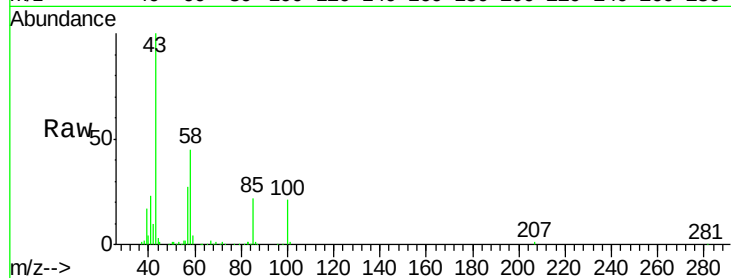
#51
4-Methyl-2-Pentanone
Concen: 94.962 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. 0.00 min
Lab File: VD067168.D
Acq: 07 Oct 2020 23:45

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS02

Tot Ion: 43 Resp: 155702
Ion Ratio Lower Upper
43 100
58 45.1 33.8 50.8

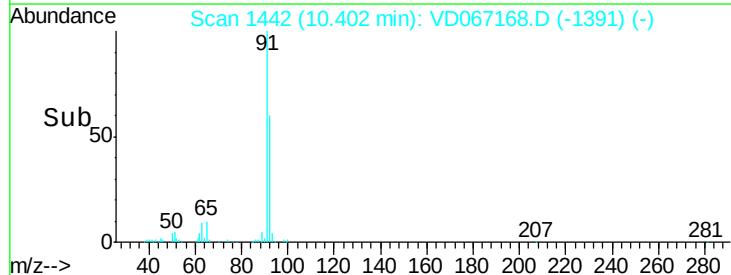
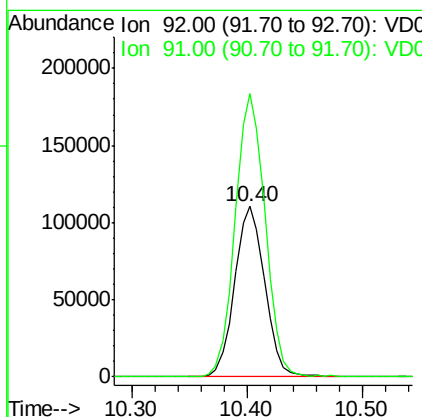
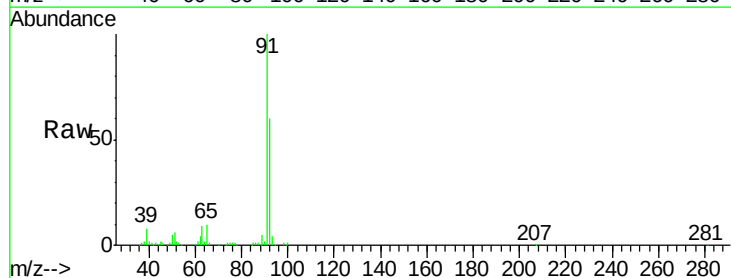
Manual Integrations
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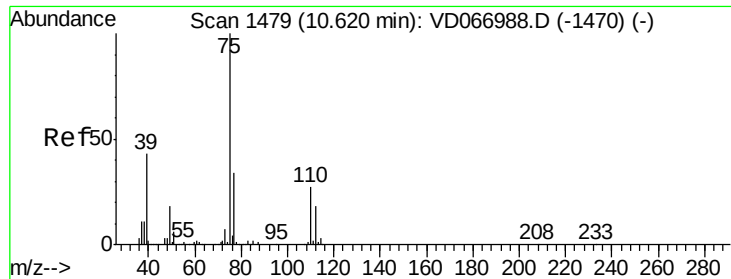
MMDadoda
10/8/2020 5:39:39 PM



#52
Toluene
Concen: 21.608 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD067168.D
Acq: 07 Oct 2020 23:45

Tgt Ion: 92 Resp: 199410
Ion Ratio Lower Upper
92 100
91 165.4 135.1 202.7





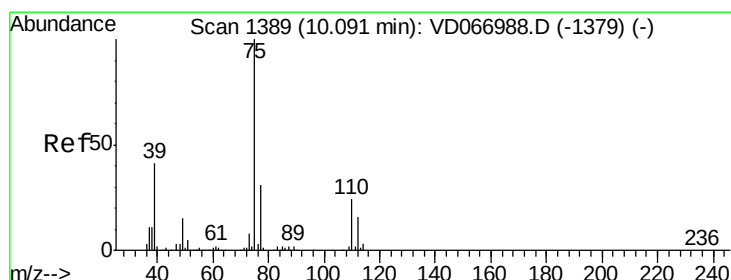
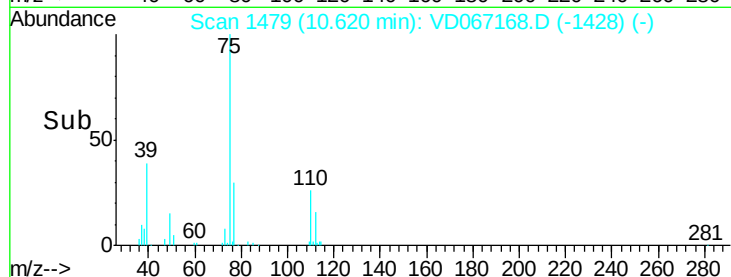
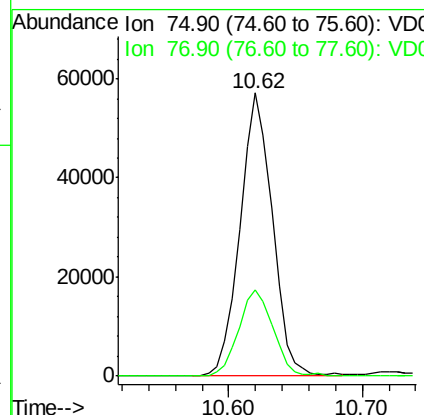
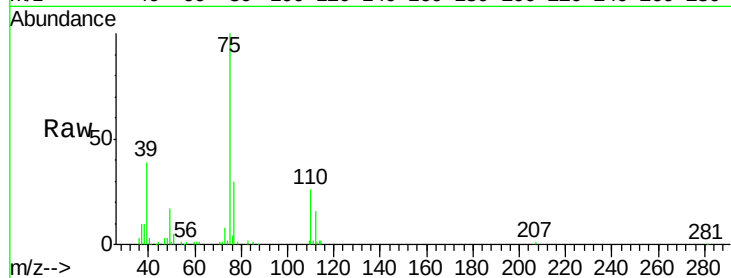
#53
t-1,3-Dichloropropene
Concen: 21.325 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD067168.D
Acq: 07 Oct 2020 23:45

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.5	27.1	40.7

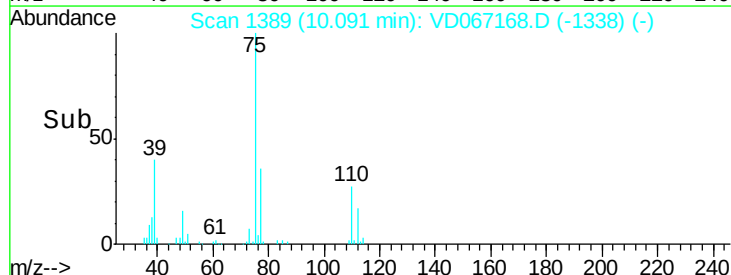
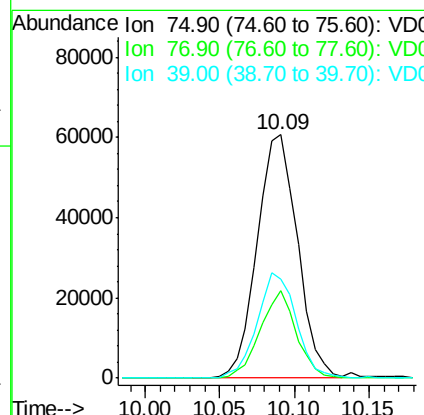
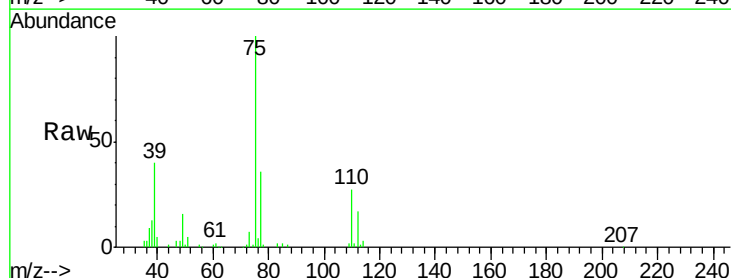
Manual Integrations
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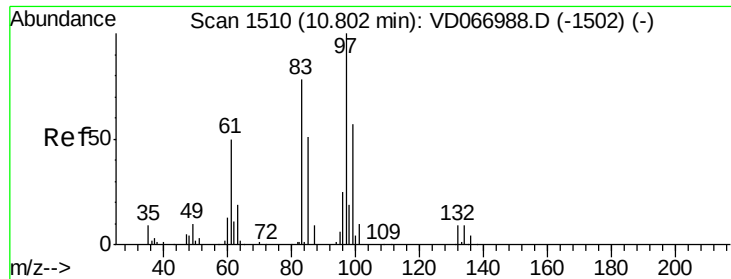
MMDadoda
10/8/2020 5:39:39 PM



#54
cis-1,3-Dichloropropene
Concen: 20.683 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD067168.D
Acq: 07 Oct 2020 23:45

Tgt Ion	Ratio	Lower	Upper
75	100		
77	35.8	24.6	37.0
39	40.1	33.0	49.4





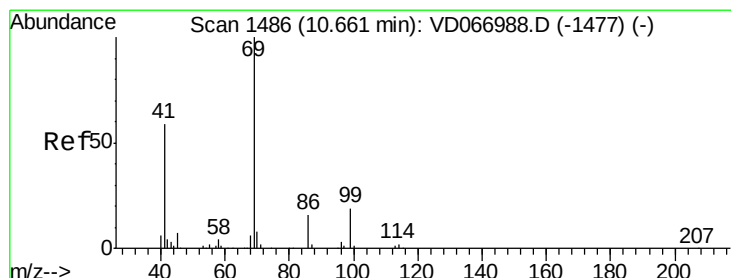
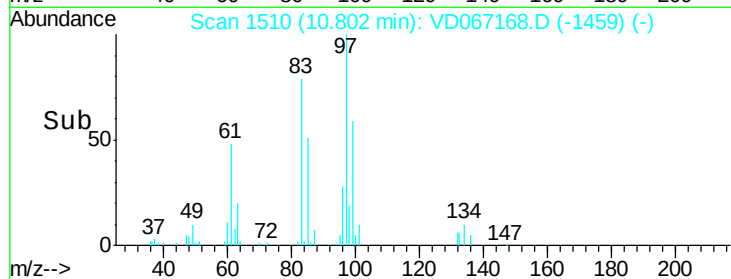
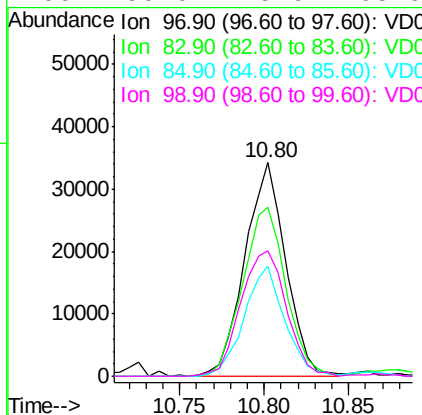
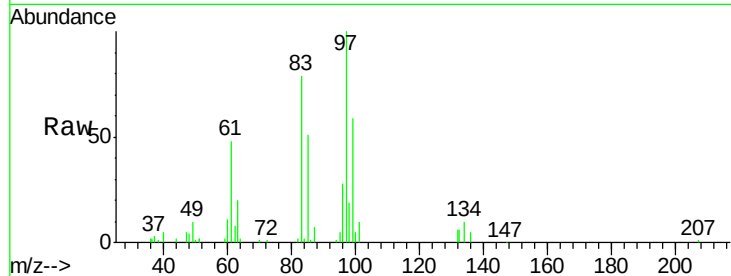
#55
 1,1,2-Trichloroethane
 Concen: 21.436 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067168.D
 Acq: 07 Oct 2020 23:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		57658		
83	78.9	62.4	93.6		
85	51.4	41.0	61.4		
99	59.0	45.9	68.9		

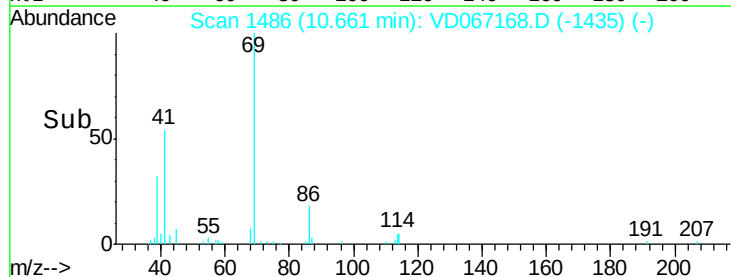
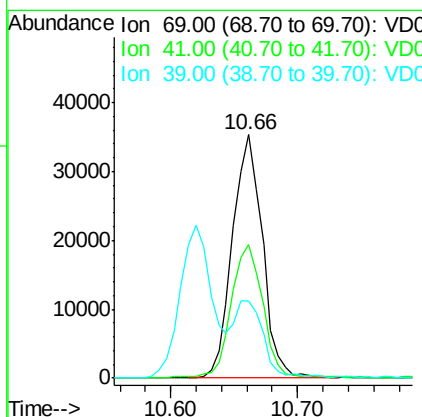
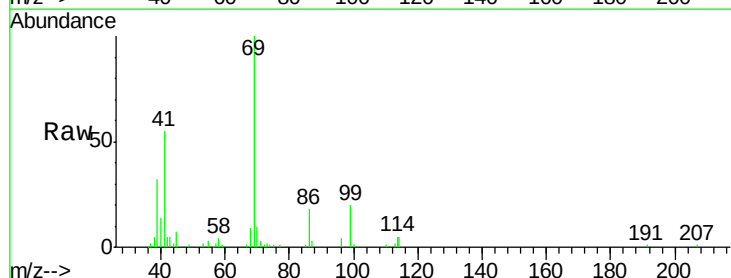
Manual Integrations
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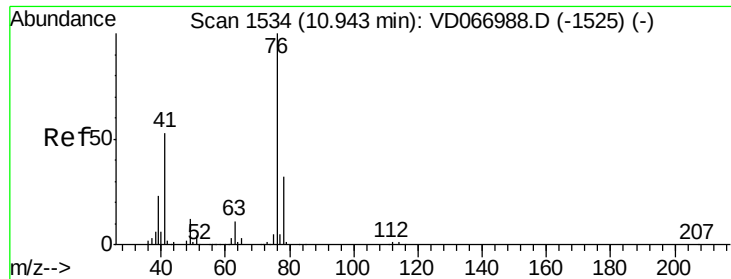
MMDadoda
 10/8/2020 5:39:39 PM



#56
 Ethyl methacrylate
 Concen: 20.827 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD067168.D
 Acq: 07 Oct 2020 23:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		57839		
41	58.3	46.4	69.6		
39	31.8	23.8	35.6		





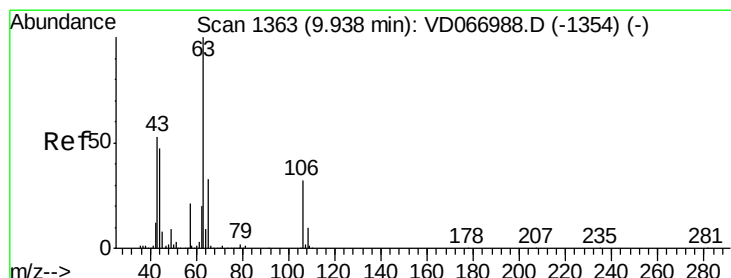
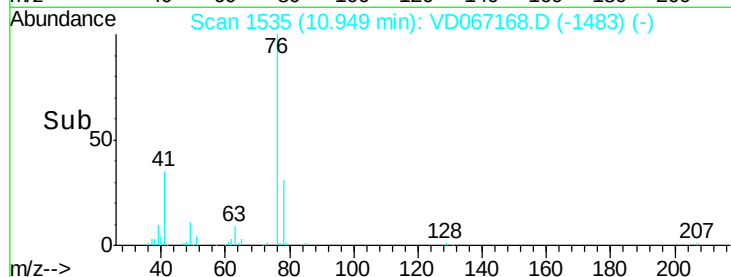
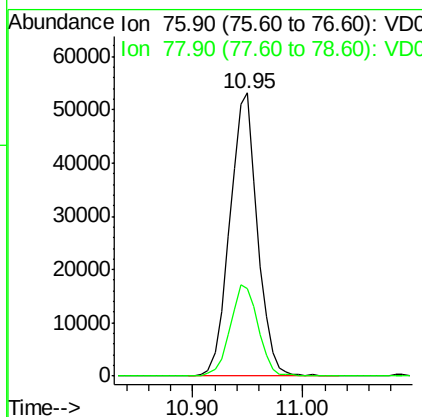
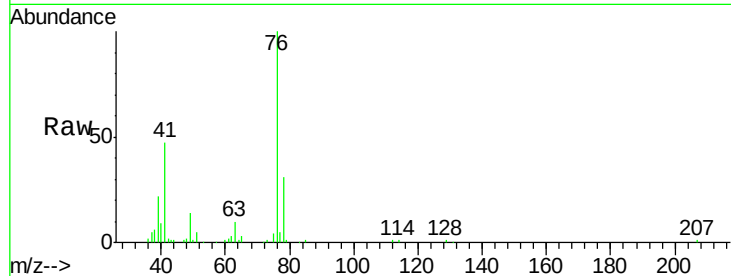
#57
 1,3-Dichloropropane
 Concen: 21.364 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VD067168.D
 Acq: 07 Oct 2020 23:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.8	38.8

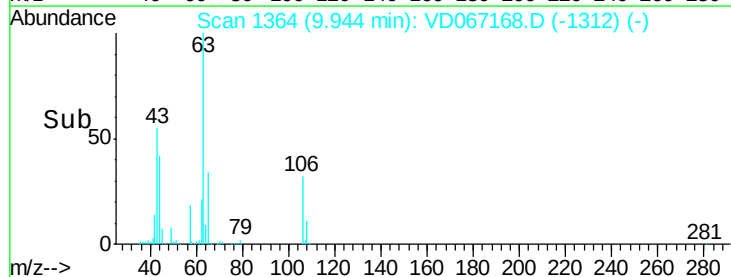
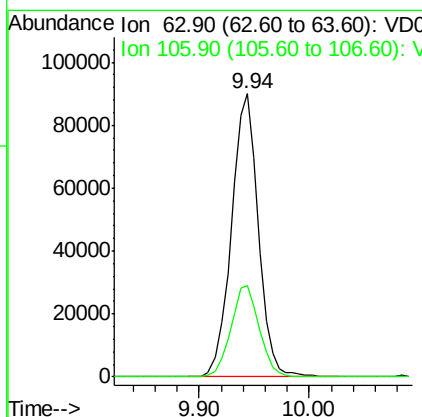
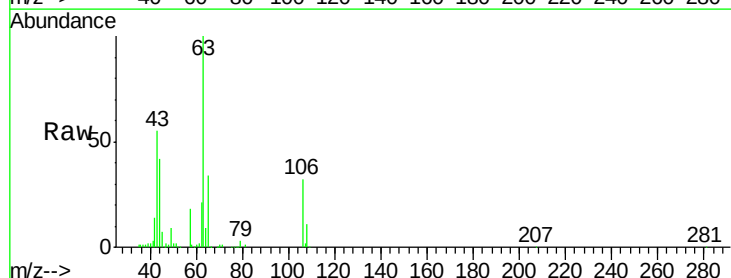
Manual Integrations
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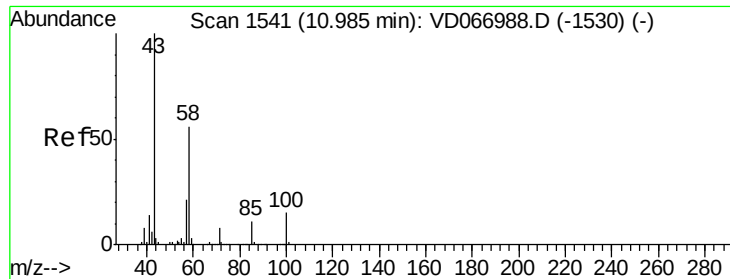
MMDadoda
 10/8/2020 5:39:39 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.325 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.01 min
 Lab File: VD067168.D
 Acq: 07 Oct 2020 23:45

Tgt Ion	Ratio	Lower	Upper
63	100		
106	34.1	25.3	37.9





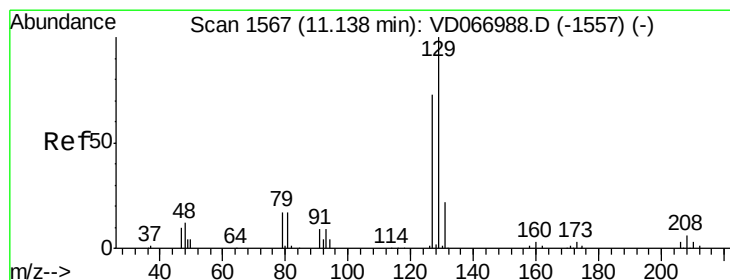
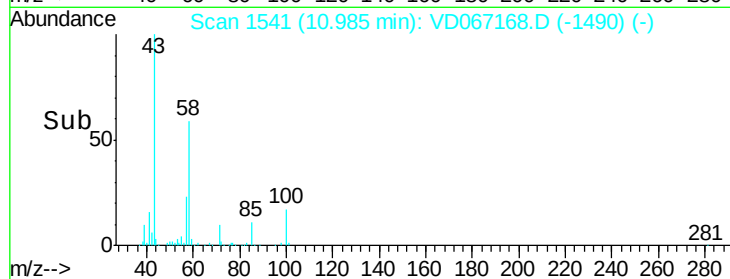
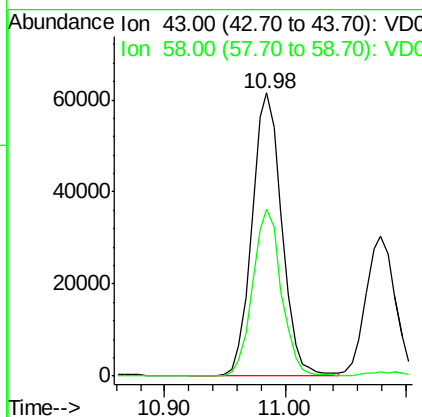
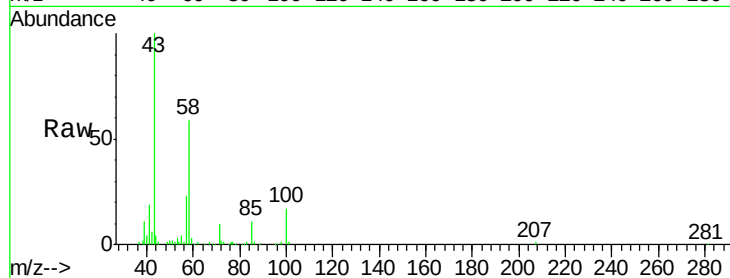
#59
2-Hexanone
Concen: 96.430 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD067168.D
Acq: 07 Oct 2020 23:45

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBSD02

Tot Ion: 43 Resp: 105528
Ion Ratio Lower Upper
43 100
58 57.0 28.3 84.9

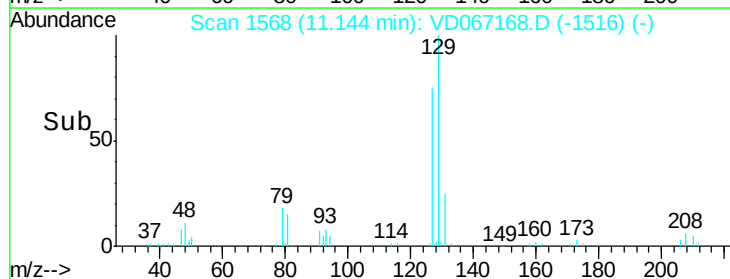
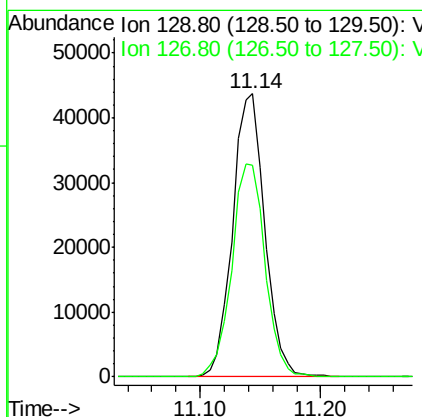
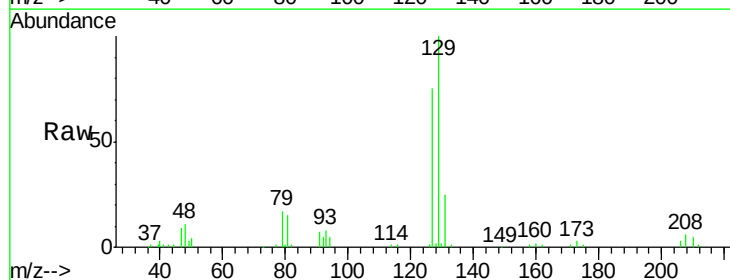
Manual Integrations
APPROVED

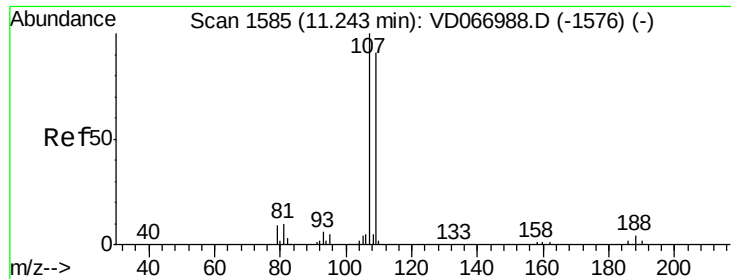
MMDadoda
10/8/2020 5:39:39 PM



#60
Dibromochloromethane
Concen: 22.652 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD067168.D
Acq: 07 Oct 2020 23:45

Tgt Ion: 129 Resp: 81208
Ion Ratio Lower Upper
129 100
127 77.8 37.4 112.1





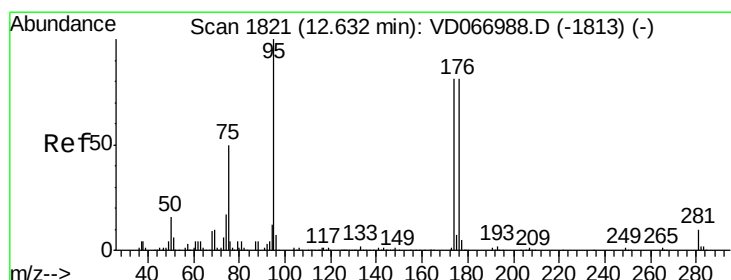
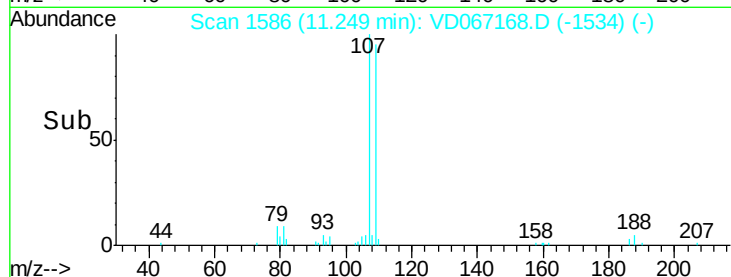
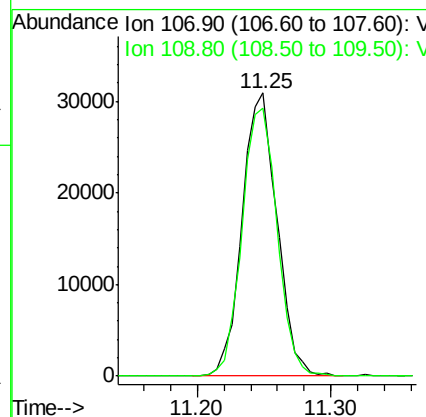
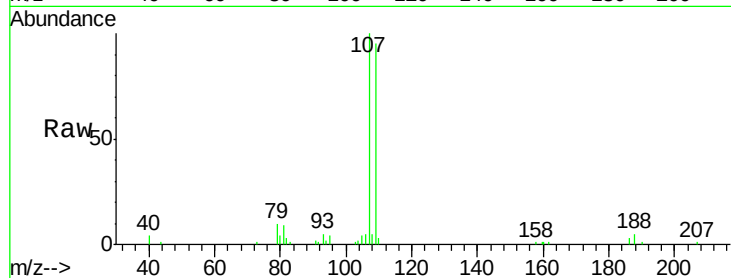
#61
 1,2-Dibromoethane
 Concen: 21.635 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD067168.D
 Acq: 07 Oct 2020 23:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS02

Tot Ion: 107 Resp: 55909
 Ion Ratio Lower Upper
 107 100
 109 95.1 74.0 111.0

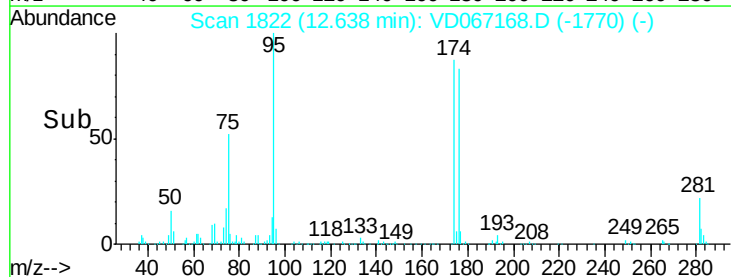
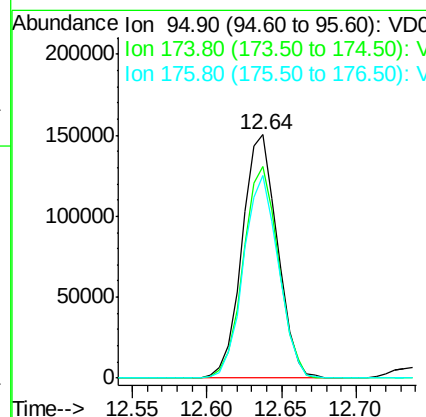
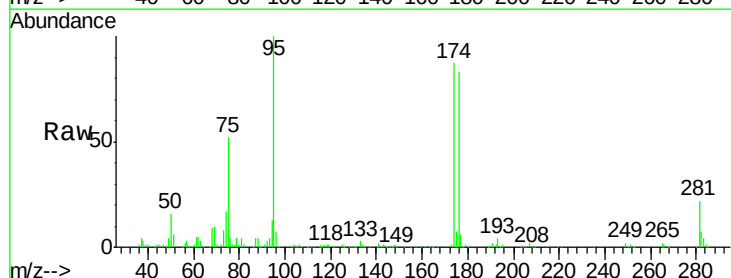
Manual Integrations
 APPROVED

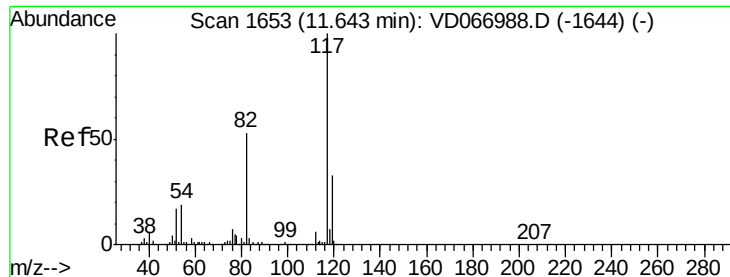
MMDadoda
 10/8/2020 5:39:39 PM



#62
 4-Bromofluorobenzene
 Concen: 55.233 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.01 min
 Lab File: VD067168.D
 Acq: 07 Oct 2020 23:45

Tgt Ion: 95 Resp: 247519
 Ion Ratio Lower Upper
 95 100
 174 86.2 0.0 167.6
 176 81.9 0.0 162.4





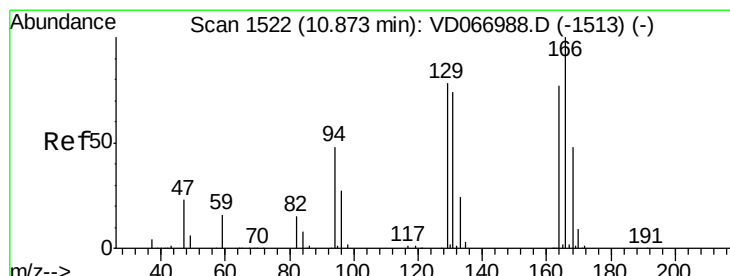
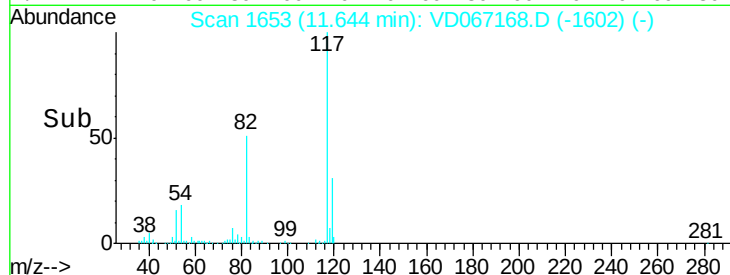
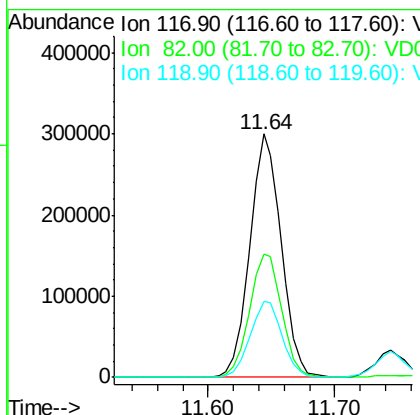
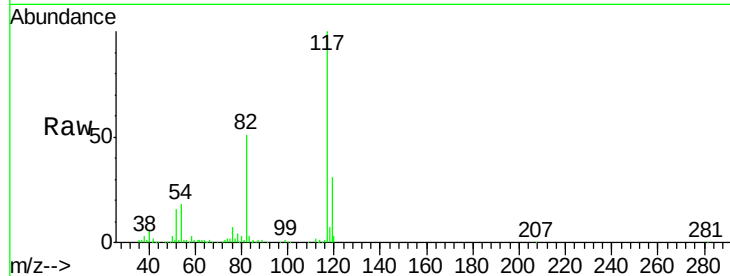
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067168.D
Acq: 07 Oct 2020 23:45

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.6	42.6	63.8
119	31.2	26.3	39.5

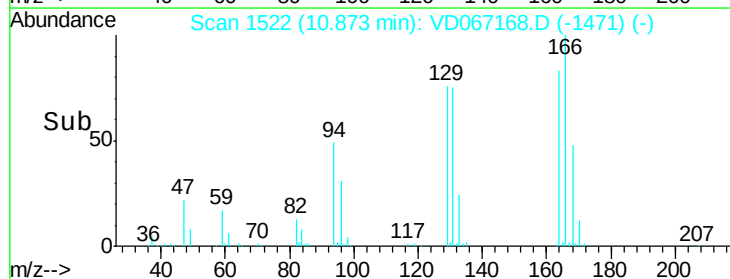
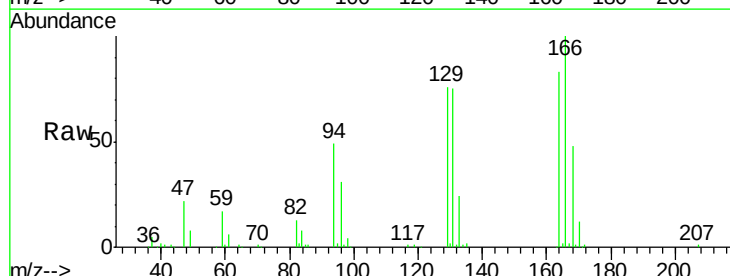
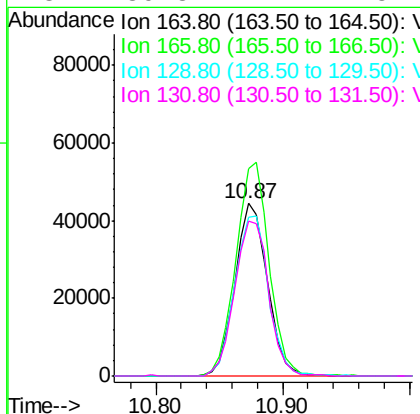
Manual Integrations
APPROVED

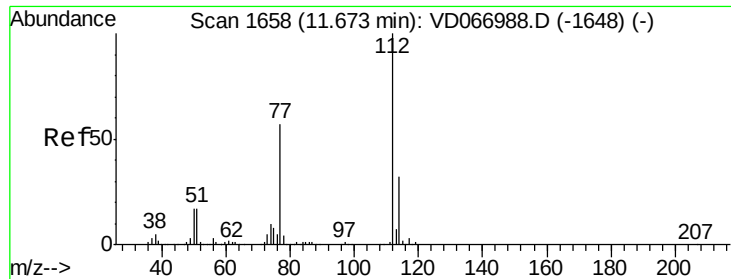
MMDadoda
10/8/2020 5:39:39 PM



#64
Tetrachloroethene
Concen: 21.069 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD067168.D
Acq: 07 Oct 2020 23:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.1	104.4	156.6
129	91.9	81.3	121.9
131	89.8	77.1	115.7





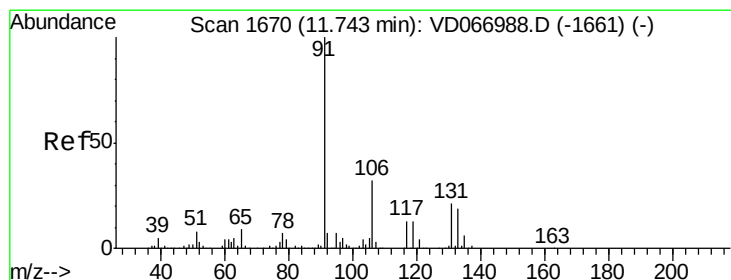
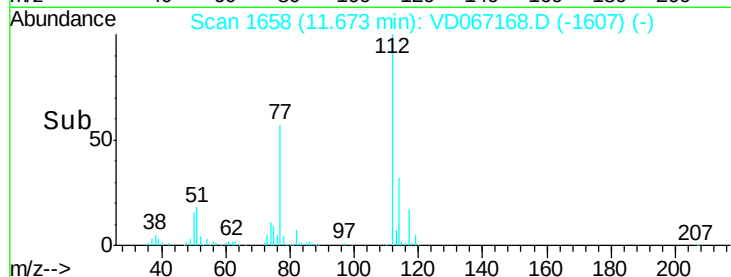
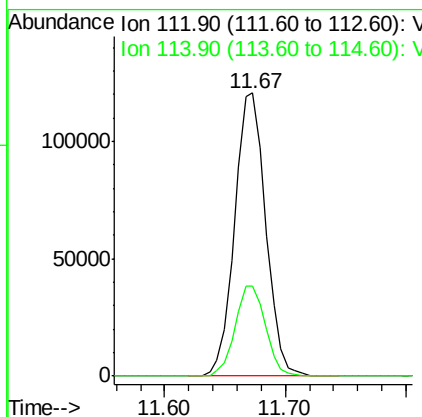
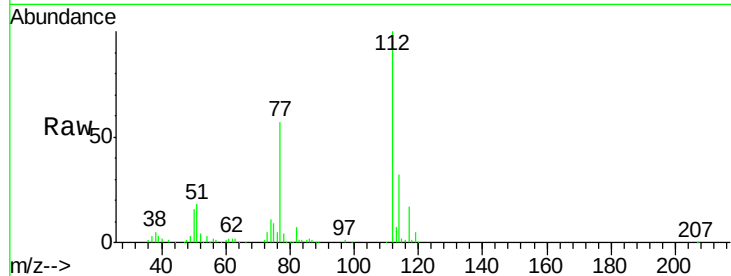
#65
Chlorobenzene
Concen: 21.127 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067168.D
Acq: 07 Oct 2020 23:45

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBSD02

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.4	38.0

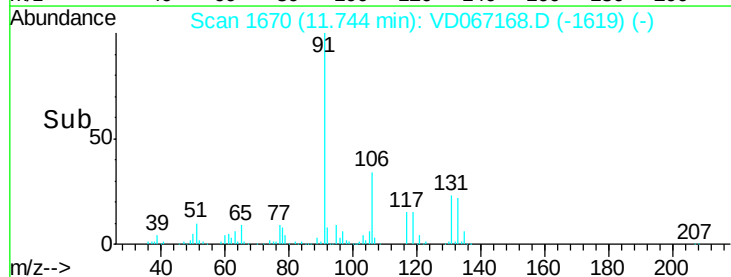
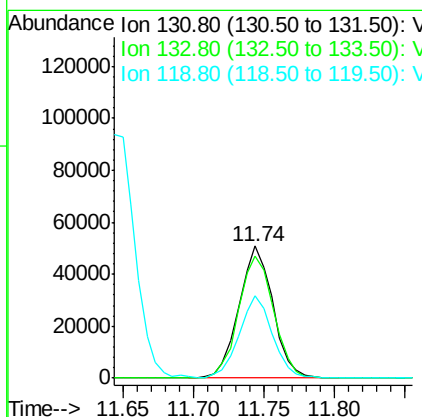
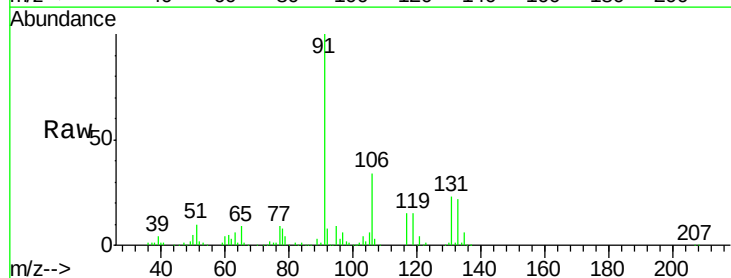
Manual Integrations
APPROVED

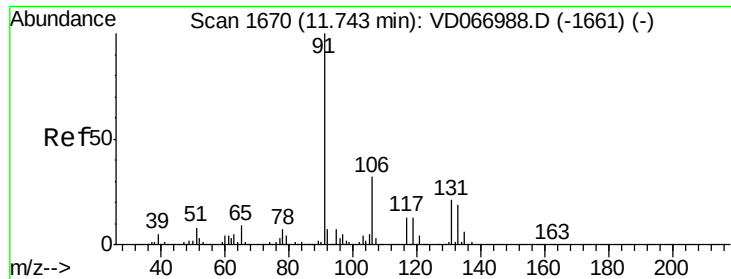
MMDadoda
10/8/2020 5:39:39 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.950 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067168.D
Acq: 07 Oct 2020 23:45

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.5	47.8	143.3
119	61.1	32.3	96.8





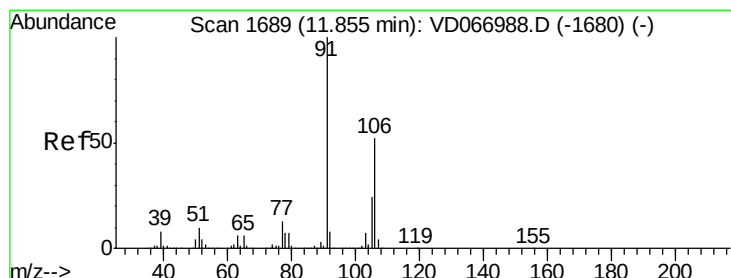
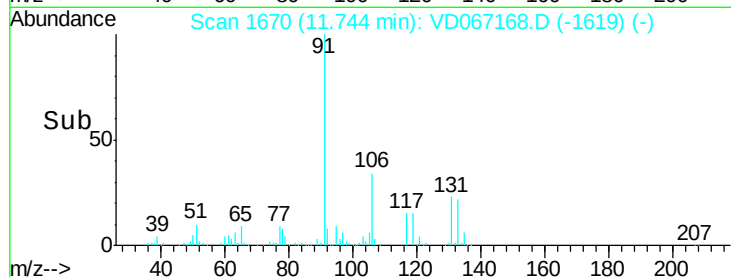
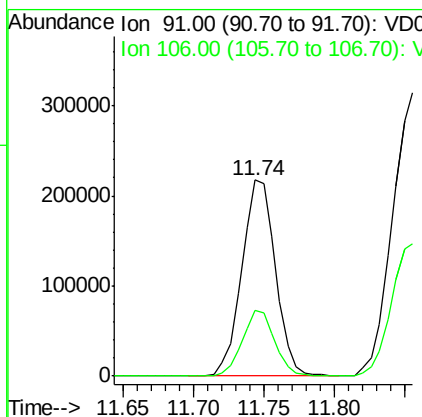
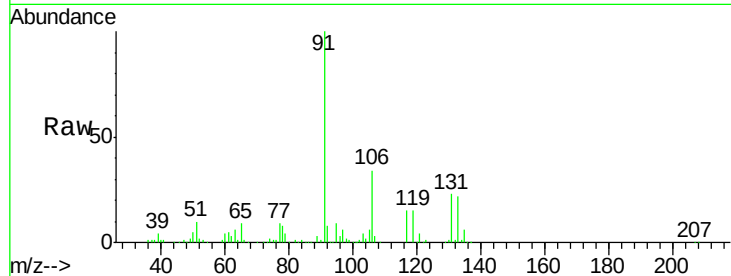
#67
Ethyl Benzene
Concen: 20.660 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067168.D
Acq: 07 Oct 2020 23:45

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS02

Tot Ion: 91 Resp: 363109
Ion Ratio Lower Upper
91 100
106 33.8 25.4 38.2

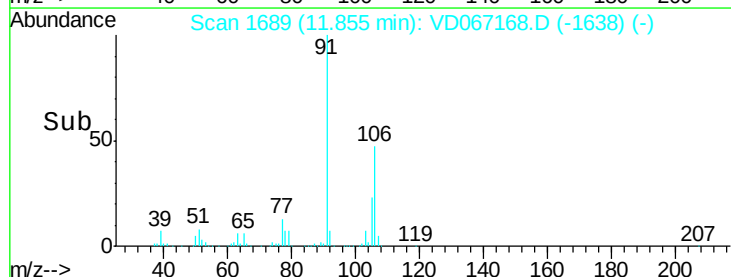
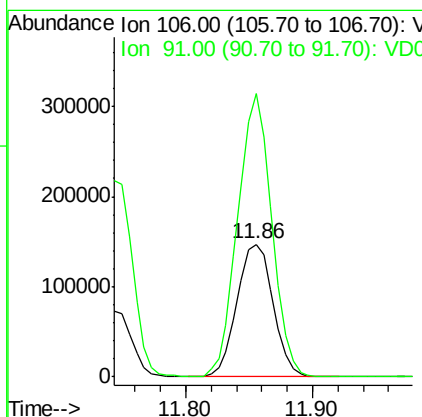
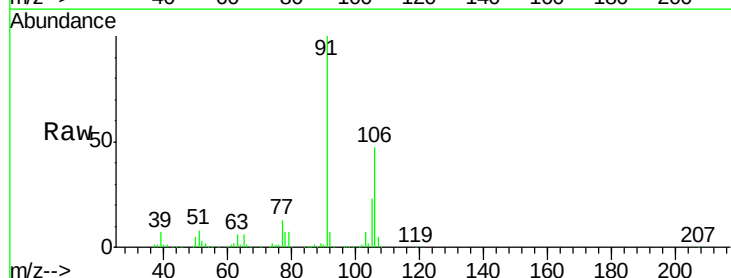
Manual Integrations
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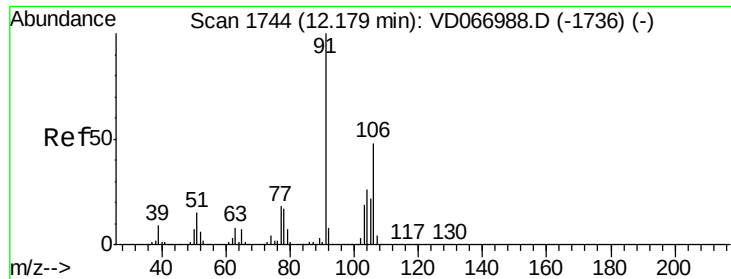
MMDadoda
10/8/2020 5:39:39 PM



#68
m/p-Xylenes
Concen: 42.393 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067168.D
Acq: 07 Oct 2020 23:45

Tgt Ion: 106 Resp: 290373
Ion Ratio Lower Upper
106 100
91 201.7 158.4 237.6





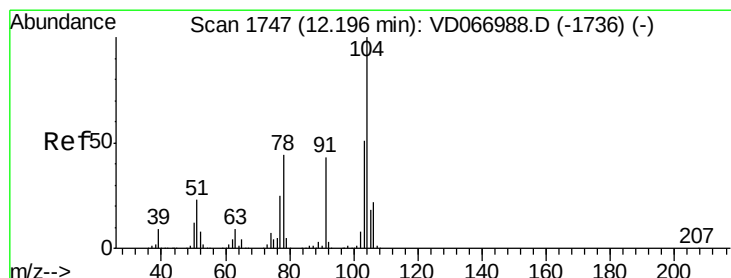
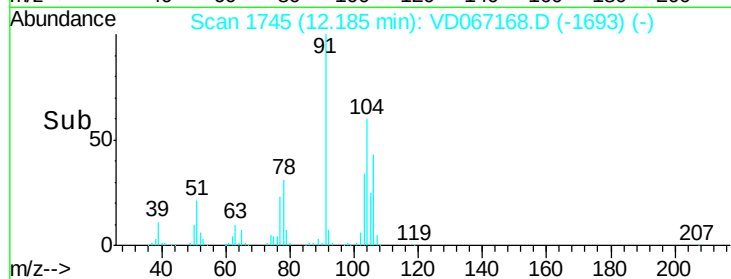
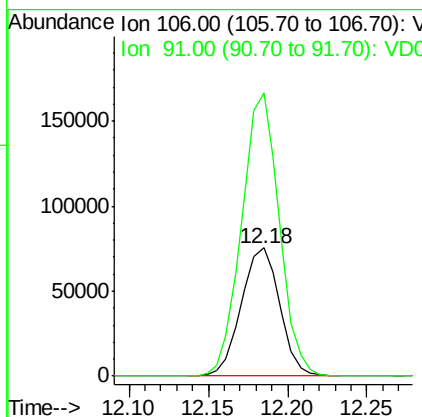
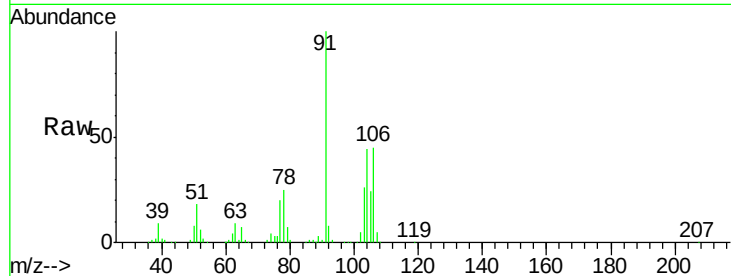
#69
o-Xylene
Concen: 20.854 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD067168.D
Acq: 07 Oct 2020 23:45

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	127735		
91	91	215.2	102.4	307.2	

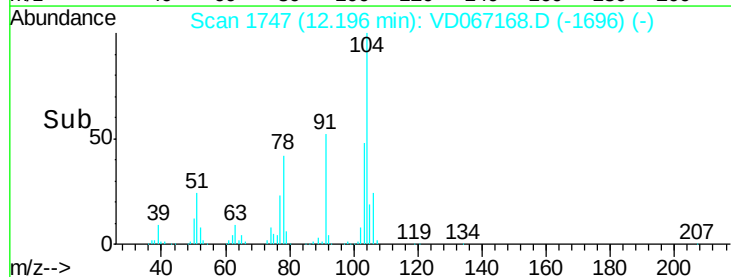
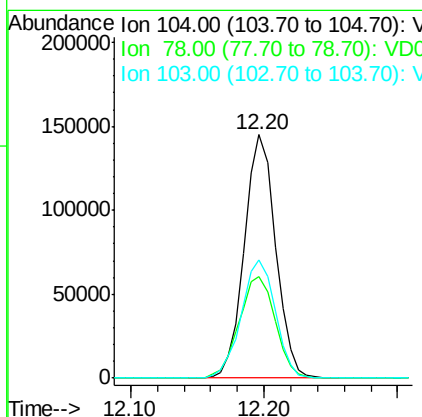
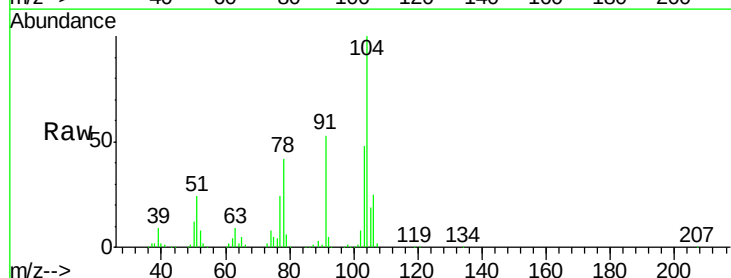
Manual Integrations
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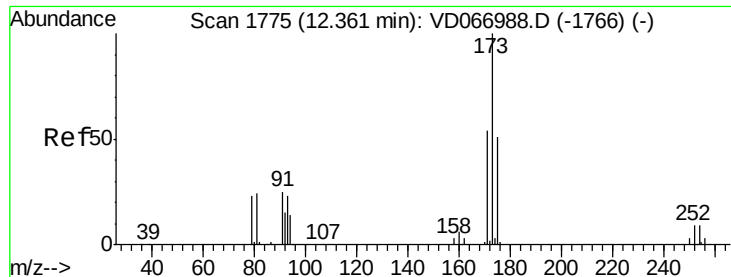
MMDadoda
10/8/2020 5:39:39 PM



#70
Styrene
Concen: 22.252 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067168.D
Acq: 07 Oct 2020 23:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	234039		
78	78	48.5	38.6	58.0	
103	103	53.3	43.4	65.0	





#71

Bromoform

Concen: 22.916 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD067168.D

Acq: 07 Oct 2020 23:45

Instrument :

MSVOA_D

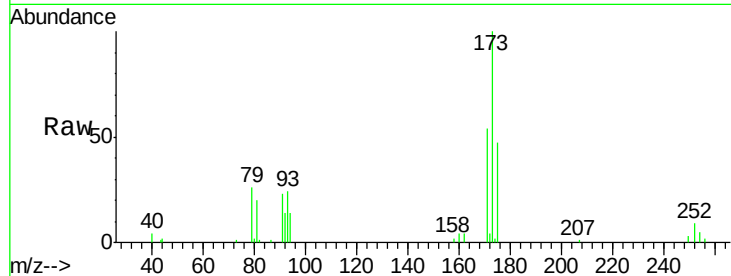
ClientSampleId :

VD1007SBSD02

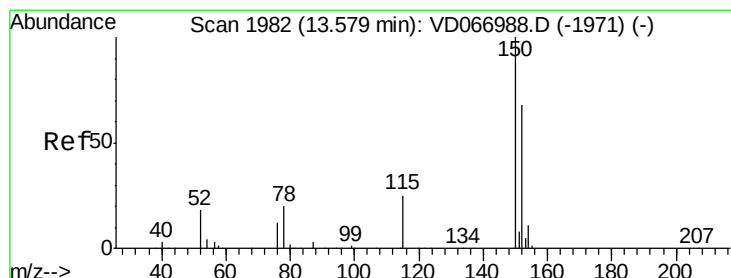
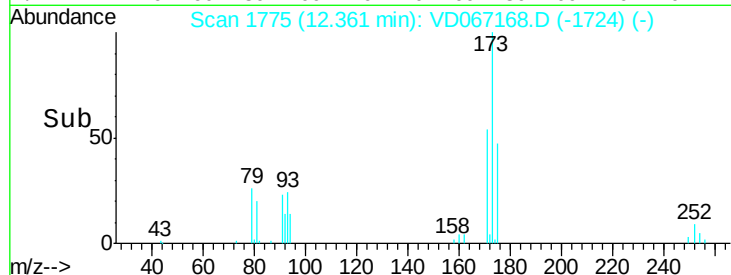
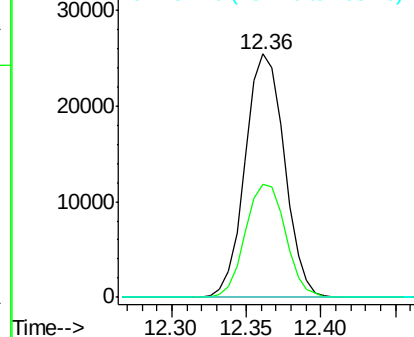
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.3	24.9	74.7
254	0.0	0.2	0.4

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

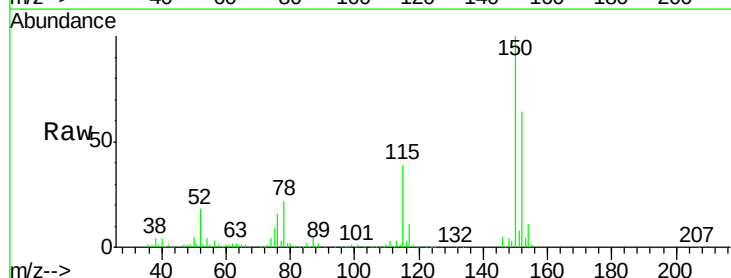
RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

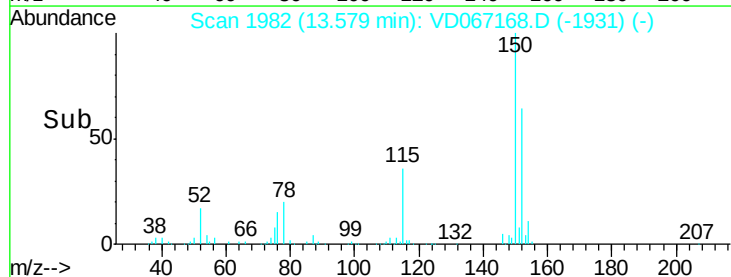
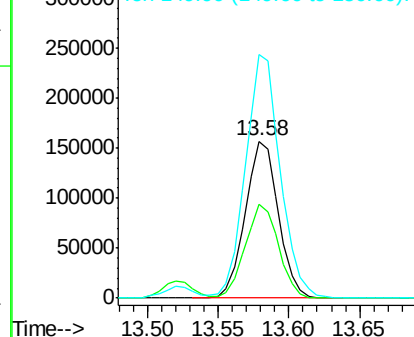
Lab File: VD067168.D

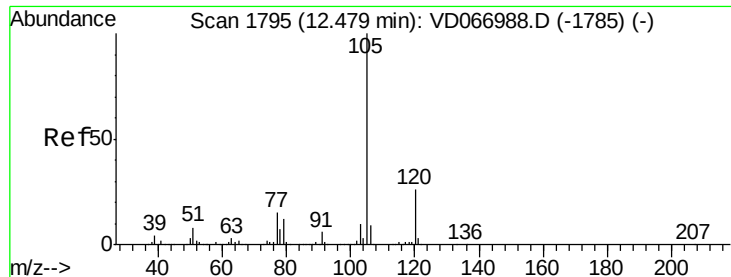
Acq: 07 Oct 2020 23:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.6	29.6	88.8
150	163.2	0.0	344.8



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





#73

Isopropylbenzene

Concen: 20.770 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD067168.D

Acq: 07 Oct 2020 23:45

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS02

Tot Ion: 105 Resp: 362092

Ion Ratio Lower Upper

105 100

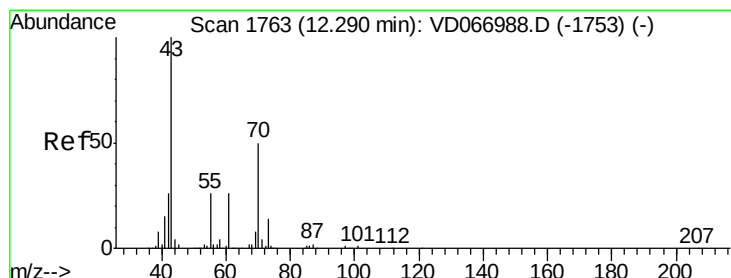
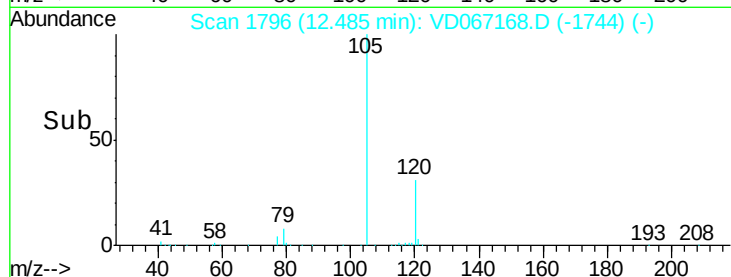
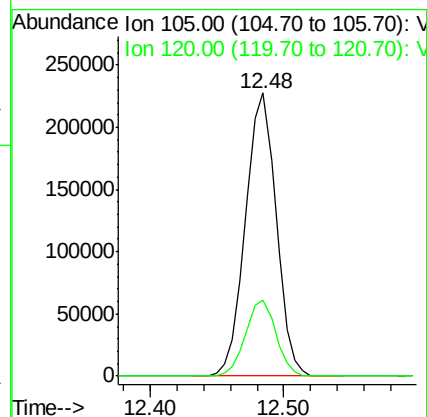
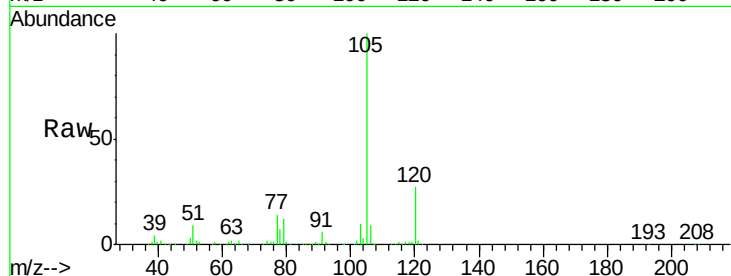
120 26.5 13.3 39.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 18.113 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067168.D

Acq: 07 Oct 2020 23:45

Tgt Ion: 43 Resp: 56765

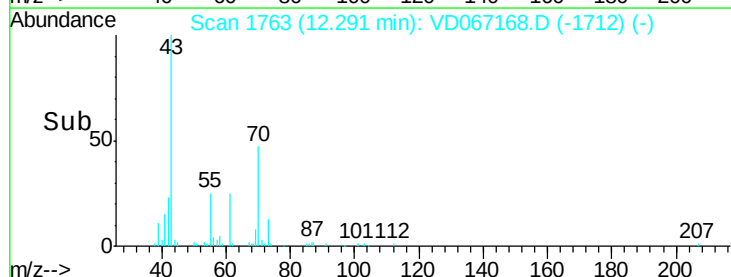
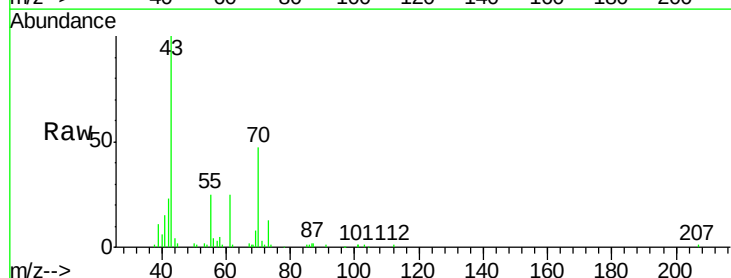
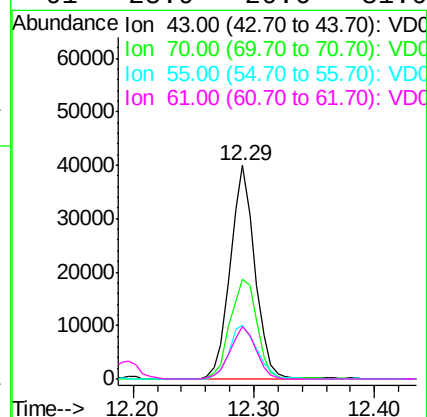
Ion Ratio Lower Upper

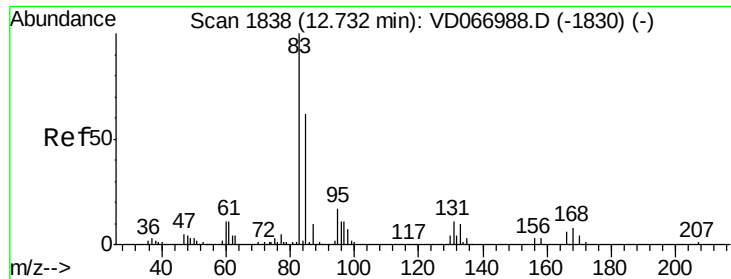
43 100

70 50.8 38.2 57.2

55 28.5 22.4 33.6

61 25.9 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.075 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD067168.D

Acq: 07 Oct 2020 23:45

Instrument :

MSVOA_D

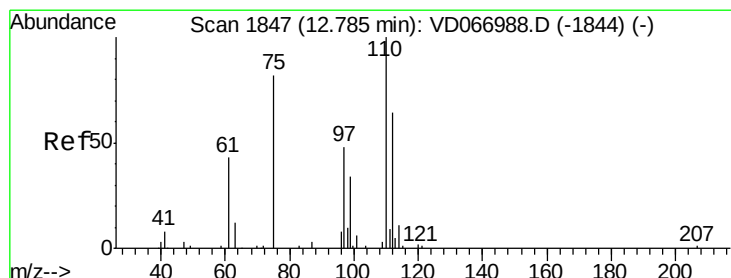
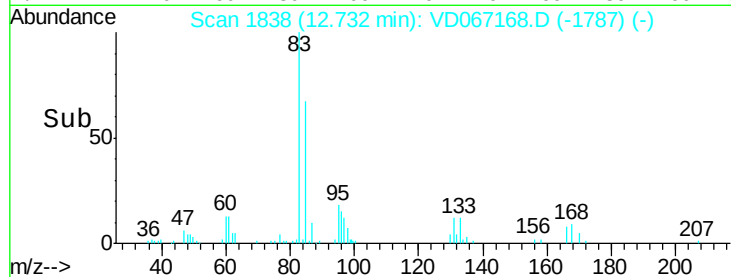
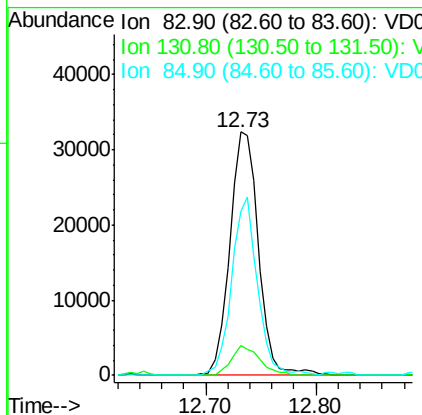
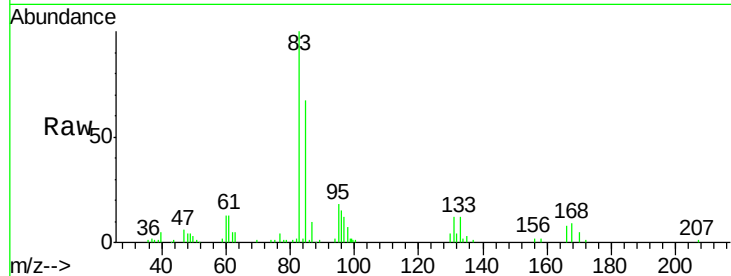
ClientSampleId :

VD1007SBS02

Tot Ion:	83	Resp:	58966
Ion	Ratio	Lower	Upper
83	100		
131	11.9	5.7	17.0
85	65.9	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.548 ug/l m

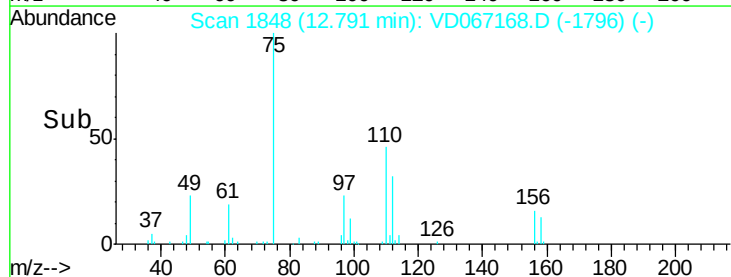
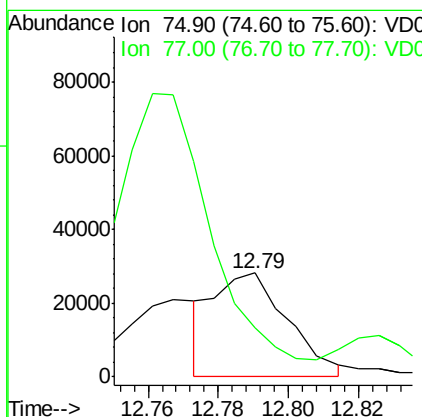
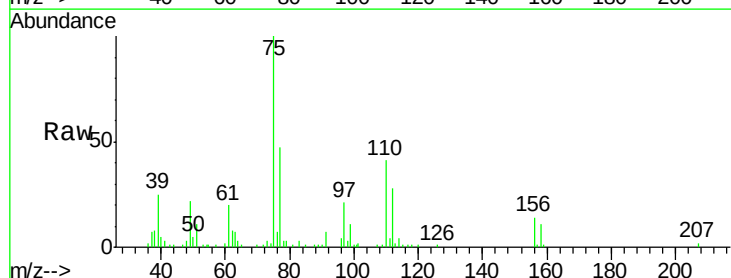
RT: 12.79 min Scan# 1848

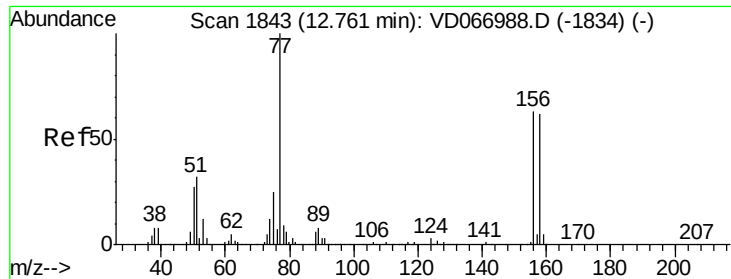
Delta R.T. 0.01 min

Lab File: VD067168.D

Acq: 07 Oct 2020 23:45

Tgt Ion:	75	Resp:	41481
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.930 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD067168.D

Acq: 07 Oct 2020 23:45

Instrument :

MSVOA_D

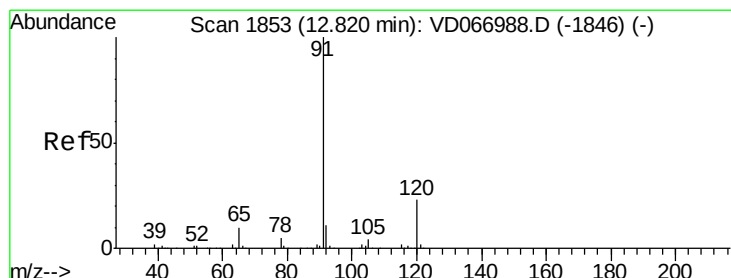
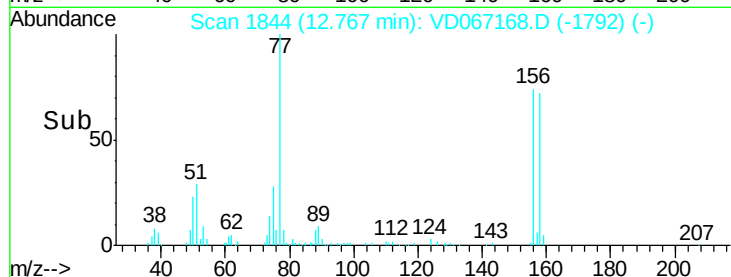
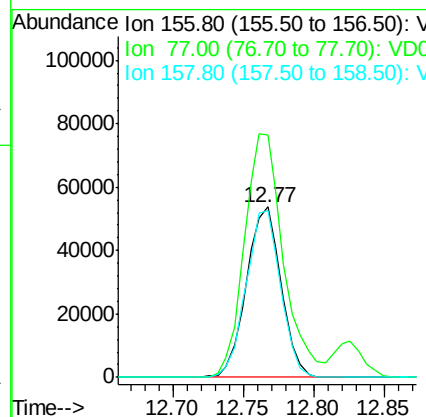
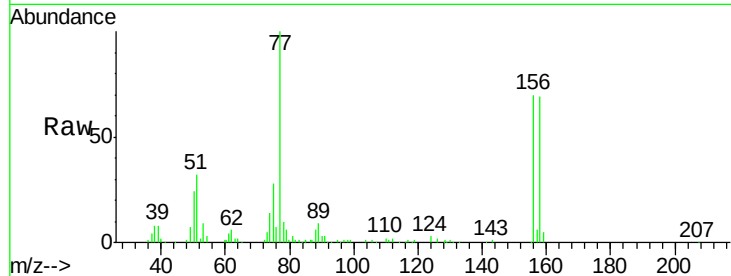
ClientSampleId :

VD1007SBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	161.2	86.3	258.8
158	97.8	49.5	148.3

Manual Integrations
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#78

n-propylbenzene

Concen: 20.349 ug/l

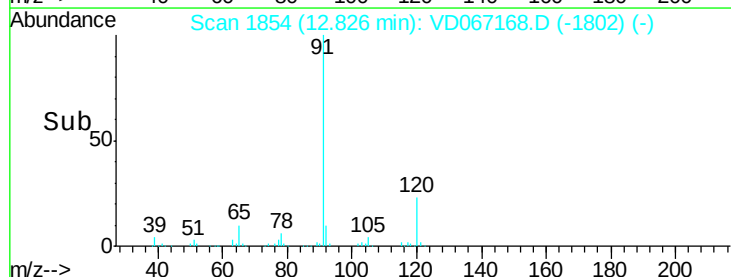
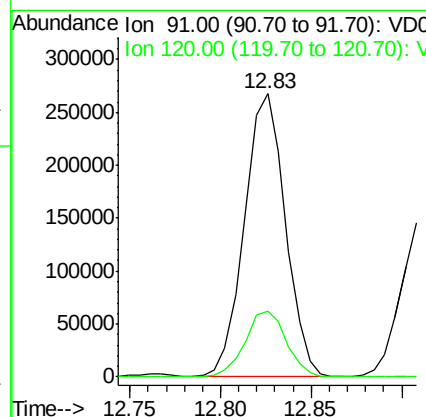
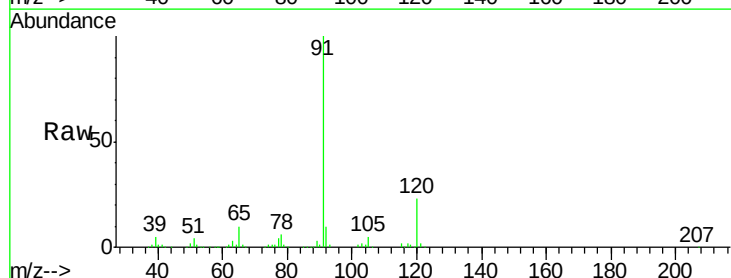
RT: 12.83 min Scan# 1854

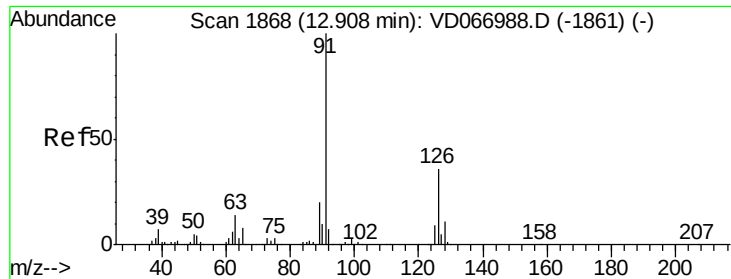
Delta R.T. 0.01 min

Lab File: VD067168.D

Acq: 07 Oct 2020 23:45

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.6	34.8





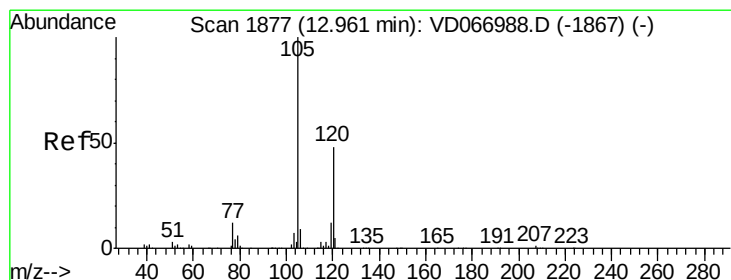
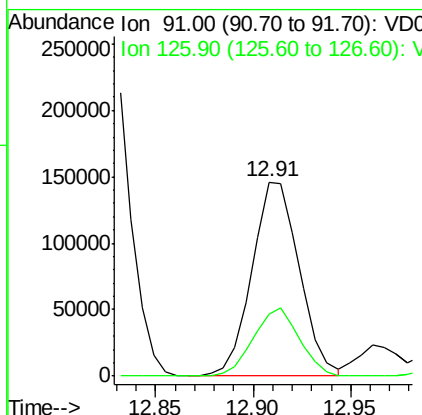
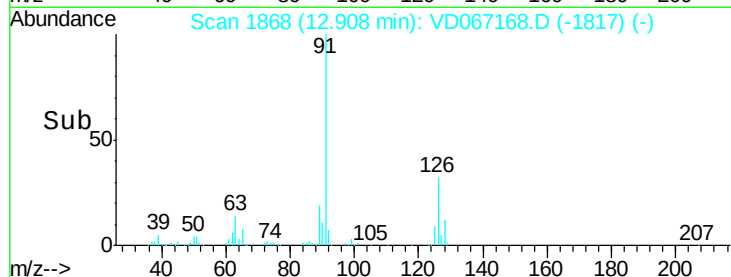
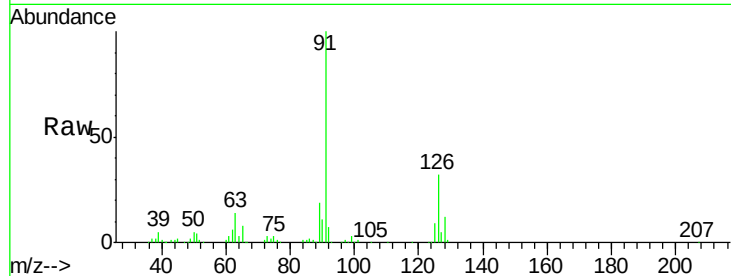
#79
 2-Chlorotoluene
 Concen: 20.789 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VD067168.D
 Acq: 07 Oct 2020 23:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS02

Tot Ion: 91 Resp: 245069
 Ion Ratio Lower Upper
 91 100
 126 34.4 17.5 52.6

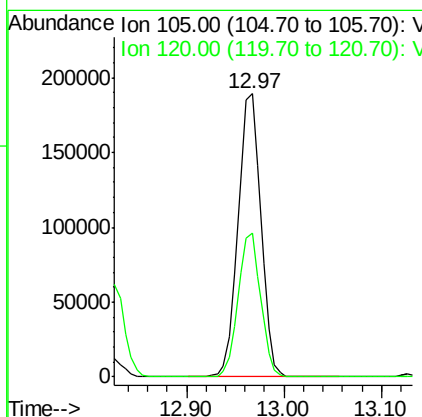
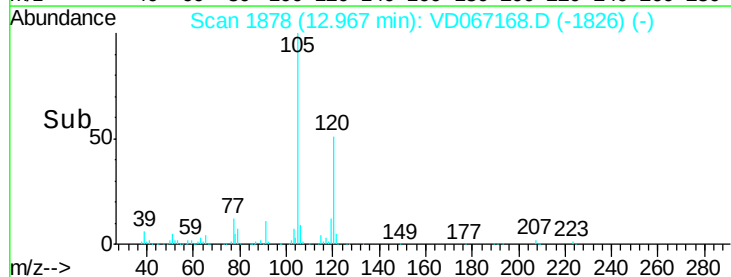
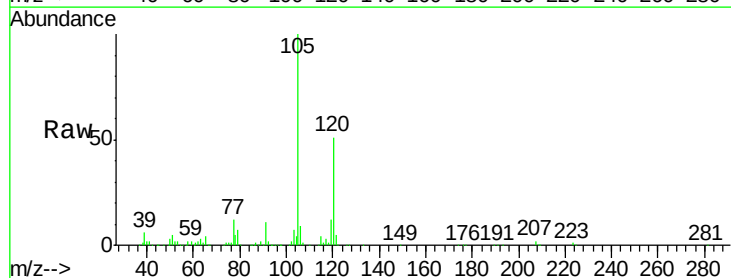
Manual Integrations
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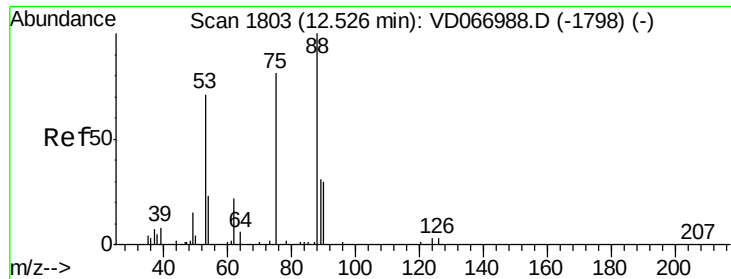
MMDadoda
 10/8/2020 5:39:39 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.988 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.01 min
 Lab File: VD067168.D
 Acq: 07 Oct 2020 23:45

Tgt Ion: 105 Resp: 309134
 Ion Ratio Lower Upper
 105 100
 120 50.1 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.278 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VD067168.D

Acq: 07 Oct 2020 23:45

Instrument :

MSVOA_D

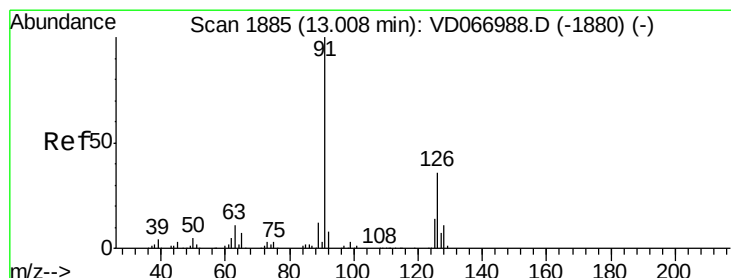
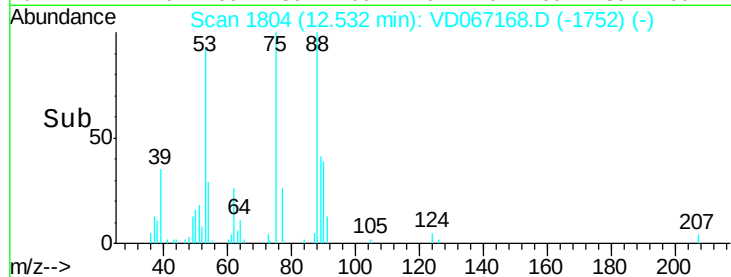
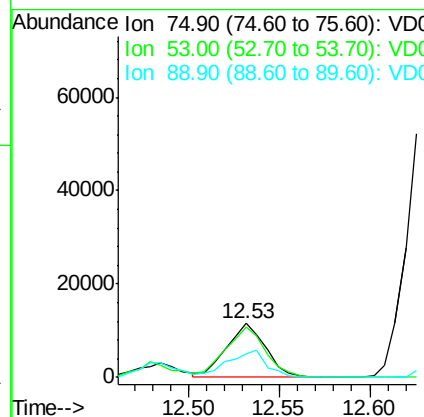
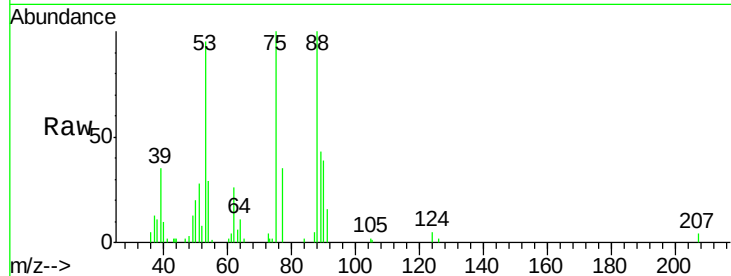
ClientSampleId :

VD1007SBS02

Tot Ion:	75	Resp:	17293
Ion Ratio	Lower	Upper	
75	100		
53	96.2	73.8	110.6
89	49.4	38.9	58.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.163 ug/l

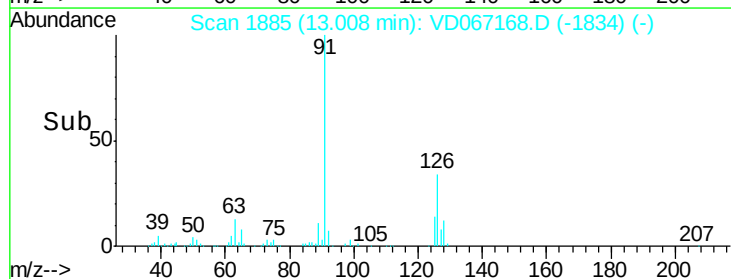
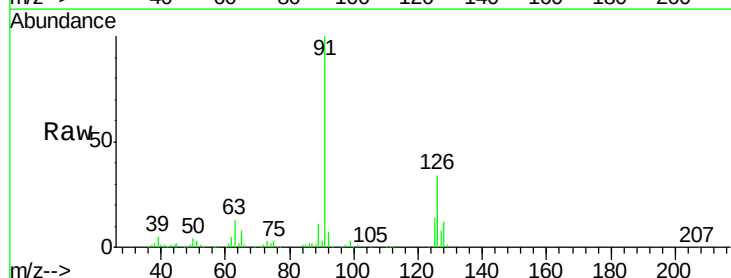
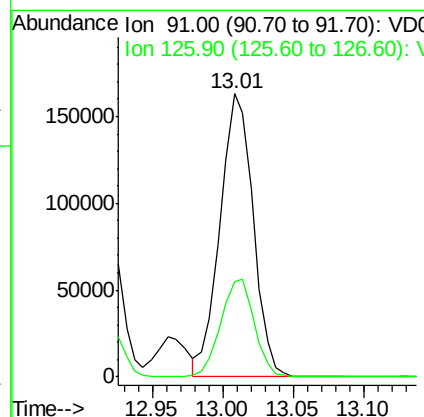
RT: 13.01 min Scan# 1885

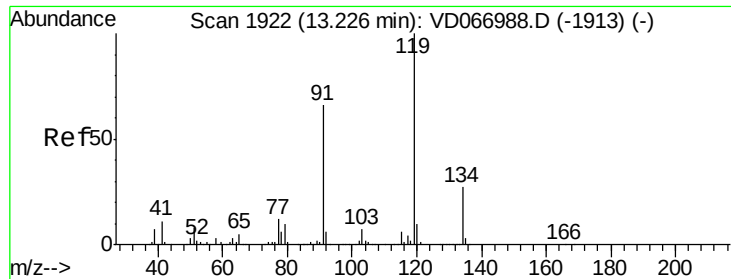
Delta R.T. 0.00 min

Lab File: VD067168.D

Acq: 07 Oct 2020 23:45

Tgt Ion:	91	Resp:	265423
Ion Ratio	Lower	Upper	
91	100		
126	34.9	17.5	52.5





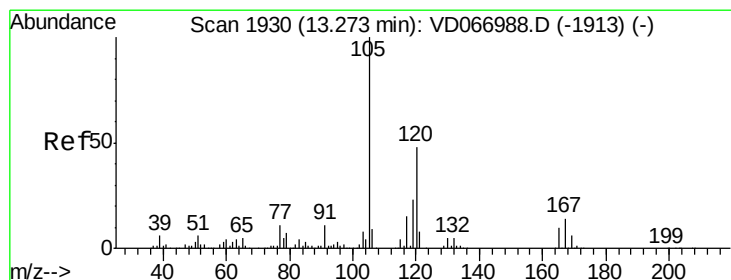
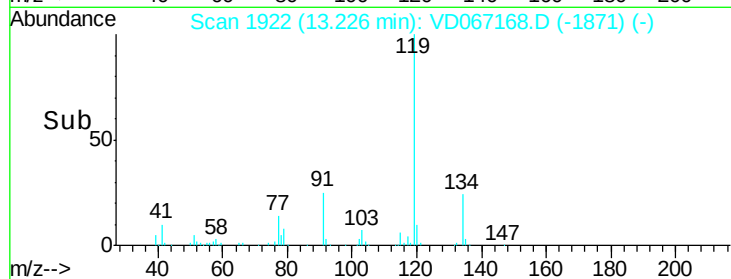
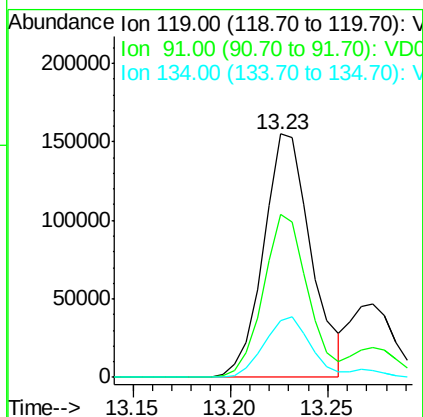
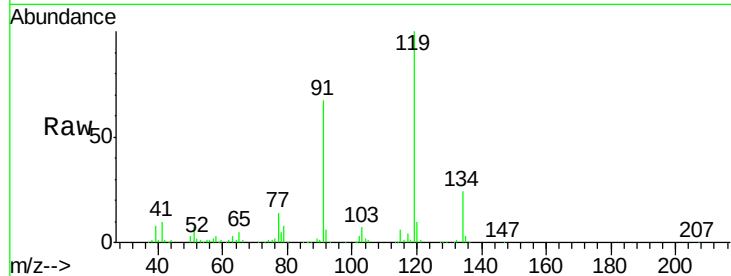
#83
 tert-Butylbenzene
 Concen: 21.137 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD067168.D
 Acq: 07 Oct 2020 23:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	262174		
91	62.6		32.8	98.3
134	24.5		13.9	41.7

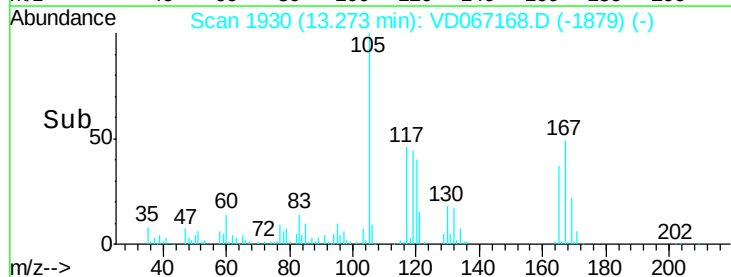
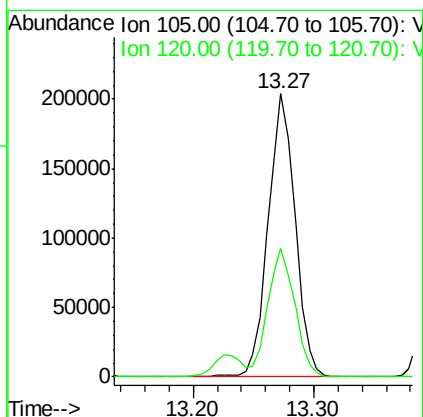
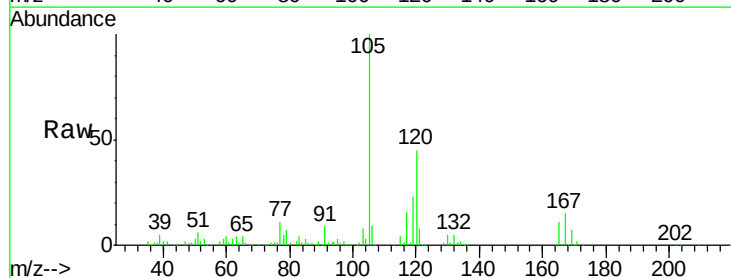
Manual Integrations
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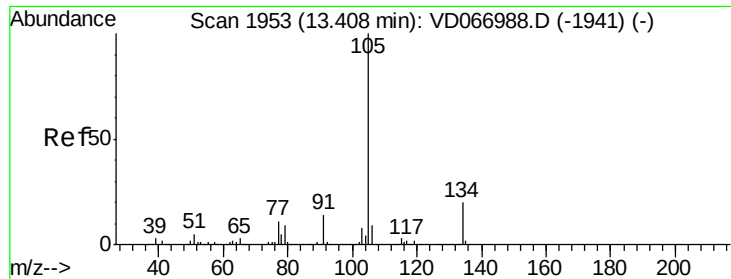
MMDadoda
 10/8/2020 5:39:39 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.436 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD067168.D
 Acq: 07 Oct 2020 23:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	315093		
120	45.3		23.3	69.8





#85

sec-Butylbenzene

Concen: 19.988 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067168.D

Acq: 07 Oct 2020 23:45

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS02

Tot Ion:105 Resp: 349134

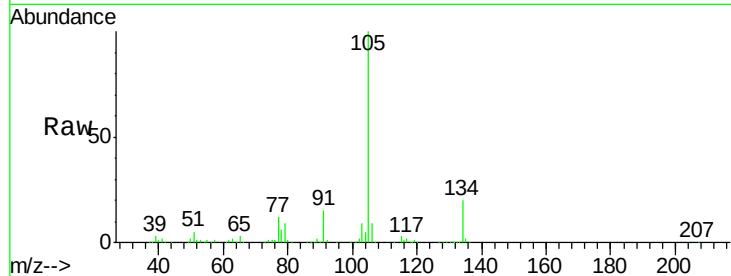
Ion Ratio Lower Upper

105 100

134 21.0 10.3 30.8

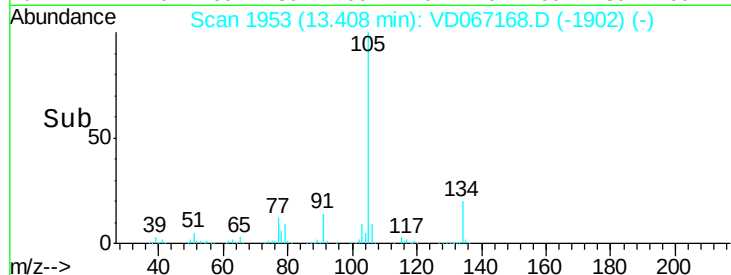
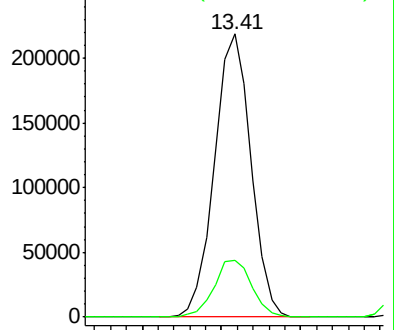
Manual Integrations
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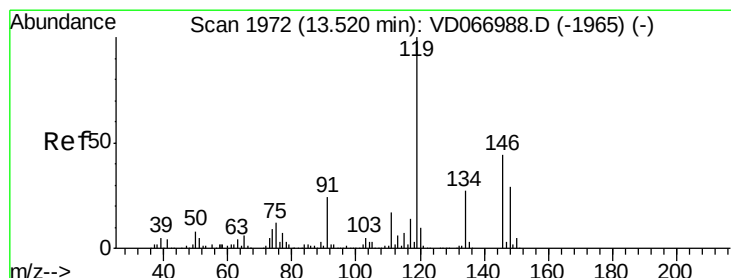


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 20.474 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067168.D

Acq: 07 Oct 2020 23:45

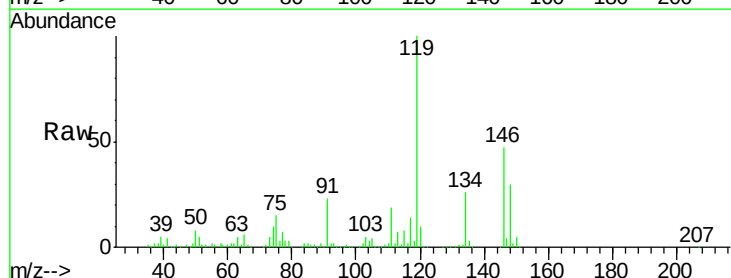
Tgt Ion:119 Resp: 331553

Ion Ratio Lower Upper

119 100

134 26.5 13.1 39.1

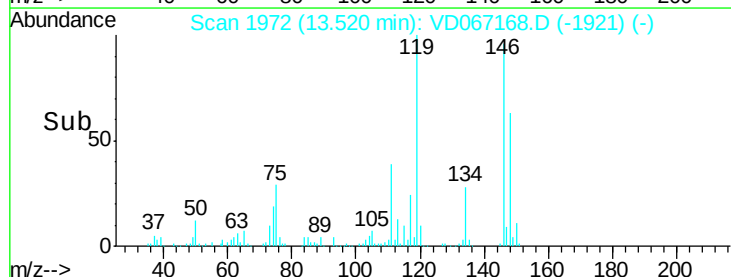
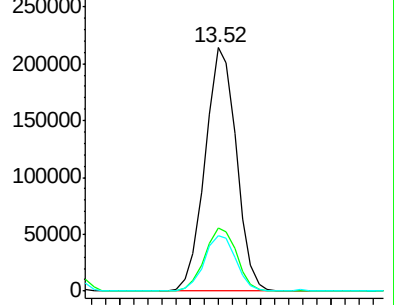
91 23.3 11.7 35.1



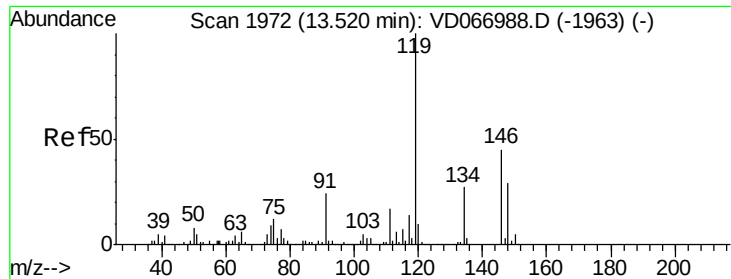
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->



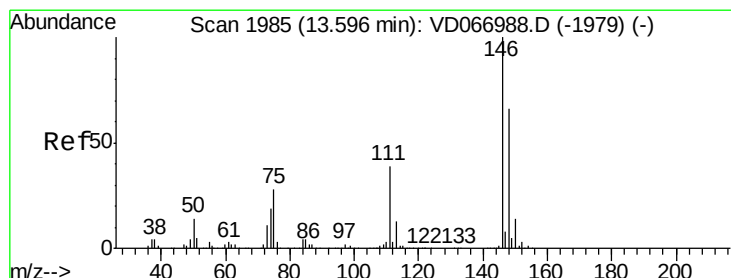
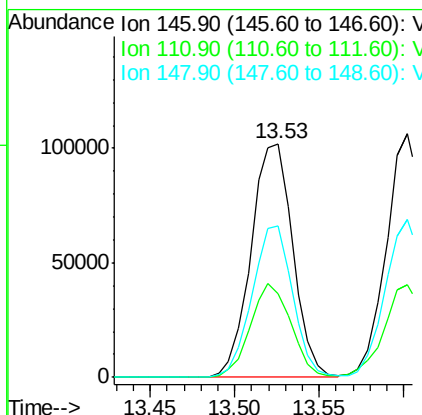
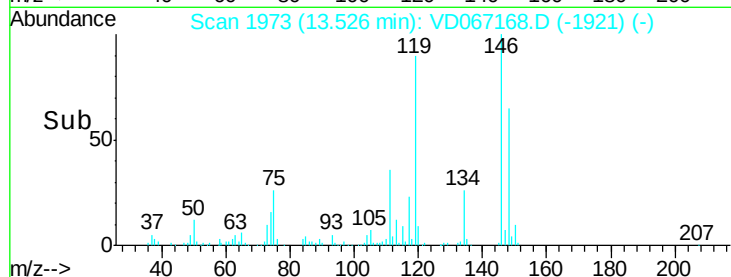
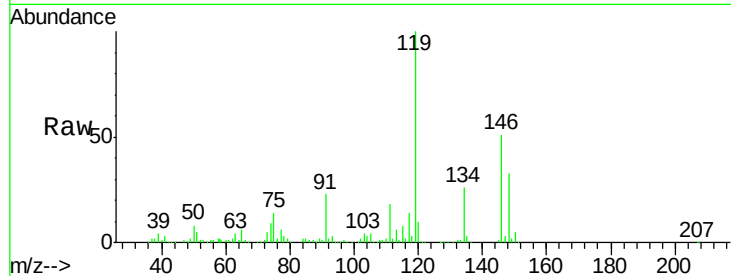
#87
 1,3-Dichlorobenzene
 Concen: 21.413 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD067168.D
 Acq: 07 Oct 2020 23:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	175578		
111	39.0	20.0	60.0	
148	63.1	31.9	95.9	

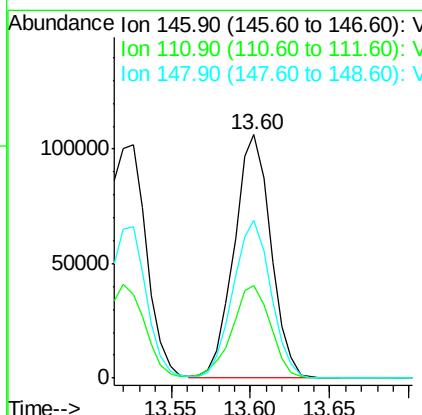
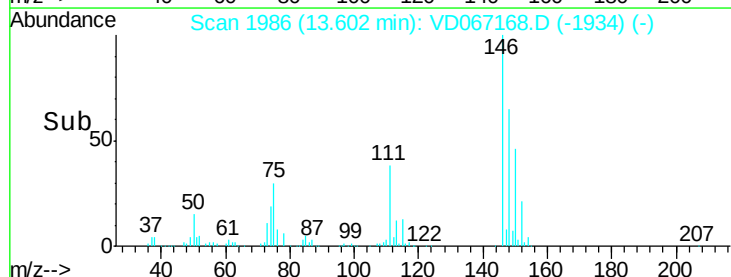
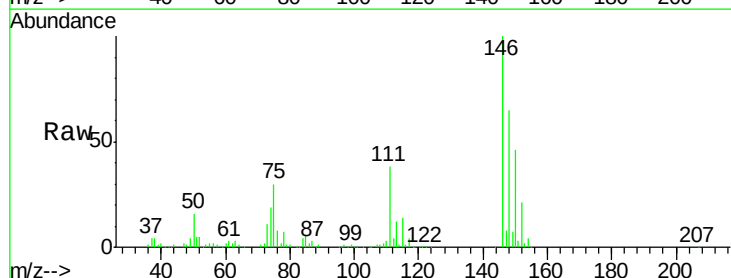
Manual Integrations
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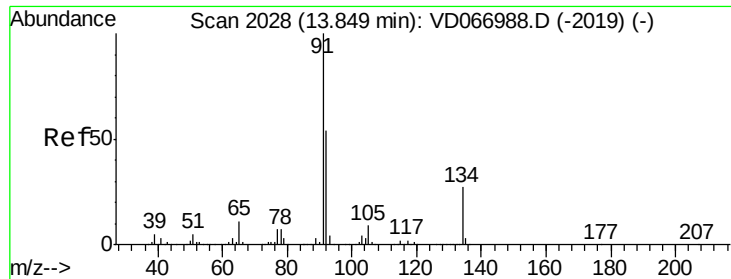
MMDadoda
 10/8/2020 5:39:39 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.917 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD067168.D
 Acq: 07 Oct 2020 23:45

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	171492		
111	40.2	19.6	58.7	
148	66.8	32.6	97.7	





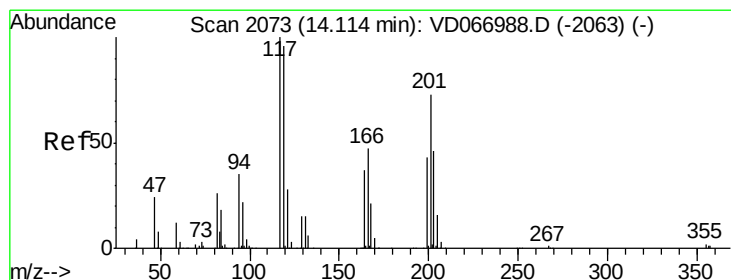
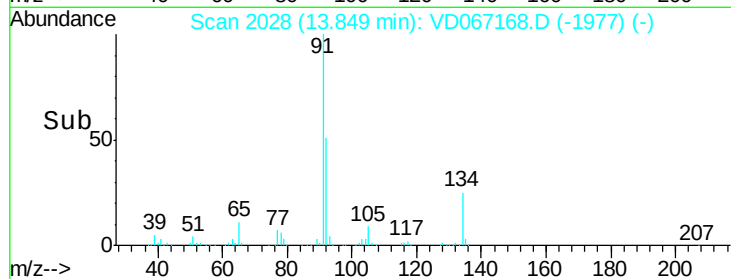
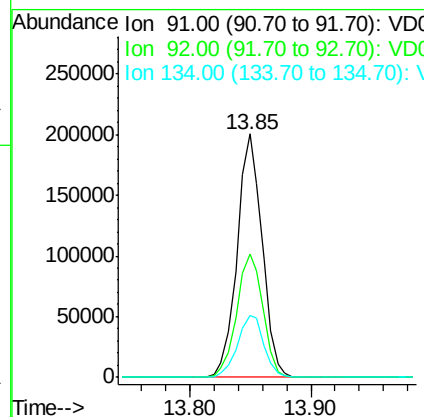
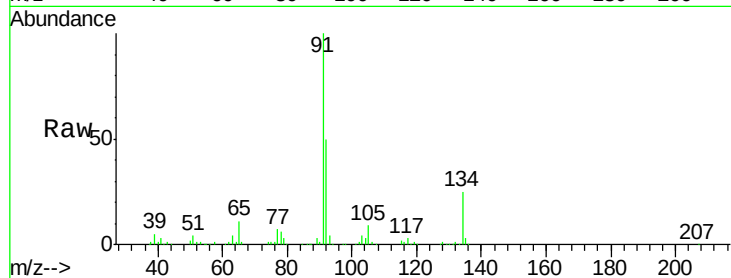
#89
n-Butylbenzene
Concen: 19.532 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067168.D
Acq: 07 Oct 2020 23:45

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	27.1	81.2
134	26.9	13.6	40.8

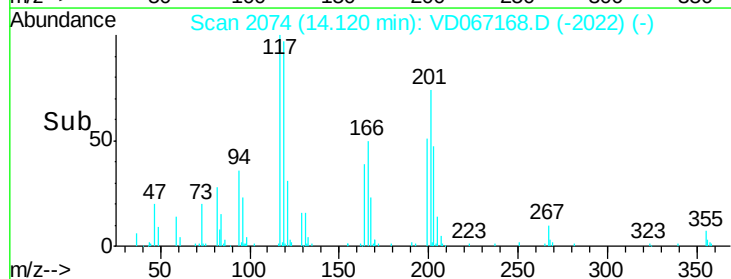
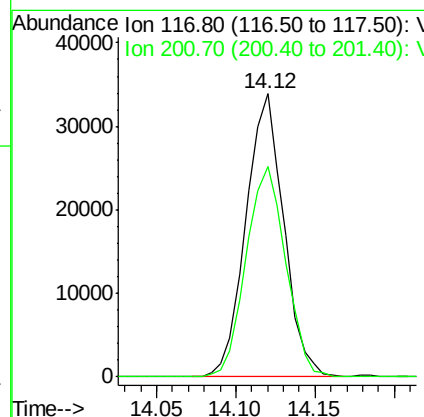
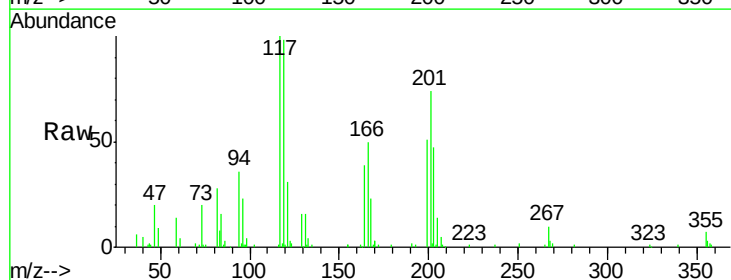
Manual Integrations
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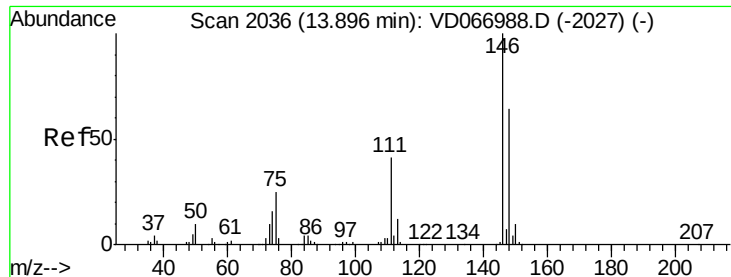
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10/8/2020 5:39:39 PM



#90
Hexachloroethane
Concen: 19.808 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD067168.D
Acq: 07 Oct 2020 23:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.6	37.0	110.9





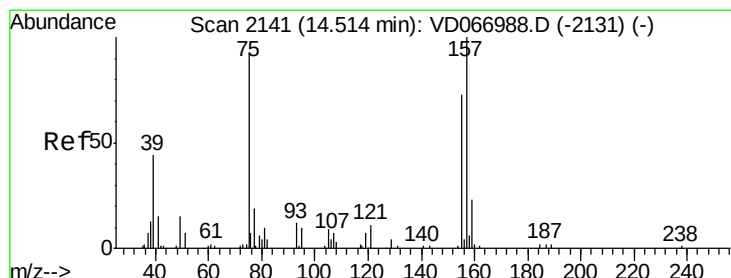
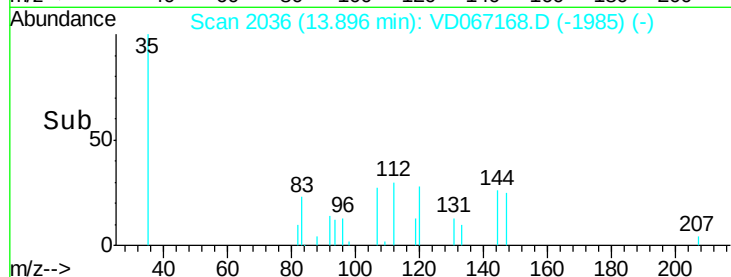
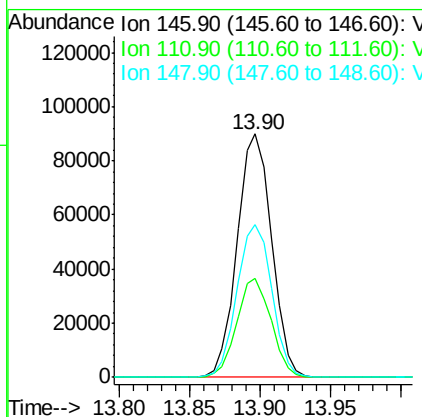
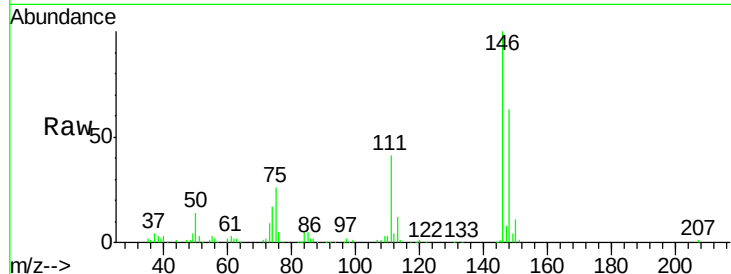
#91
 1,2-Dichlorobenzene
 Concen: 21.522 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067168.D
 Acq: 07 Oct 2020 23:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.9	62.7
148	63.2	32.3	96.9

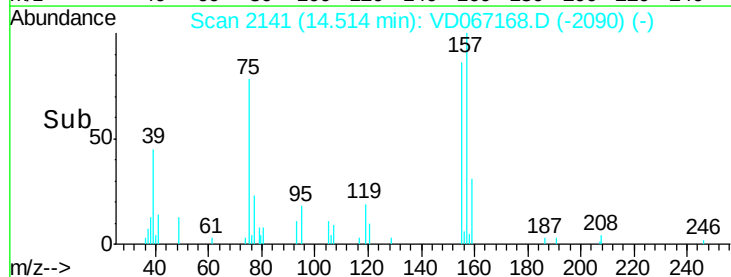
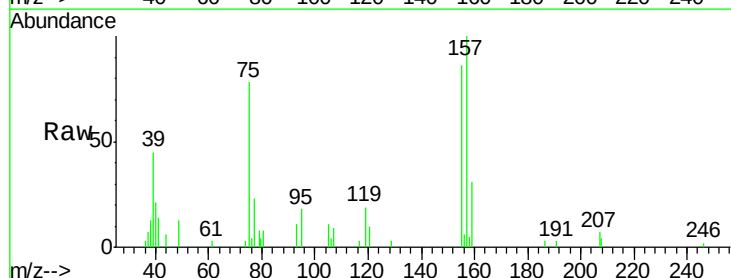
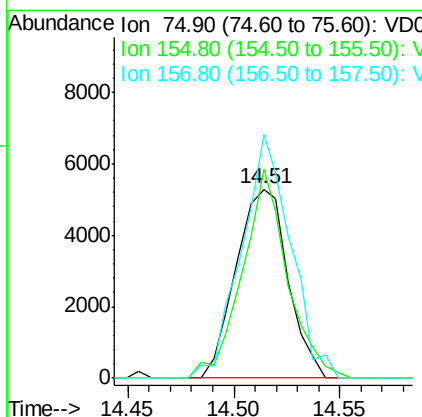
Manual Integrations
 APPROVED

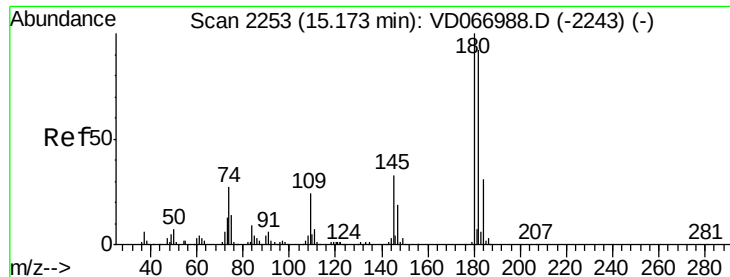
MMDadoda
 10/8/2020 5:39:39 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.033 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067168.D
 Acq: 07 Oct 2020 23:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.0	45.2	135.6
157	122.0	56.3	168.8





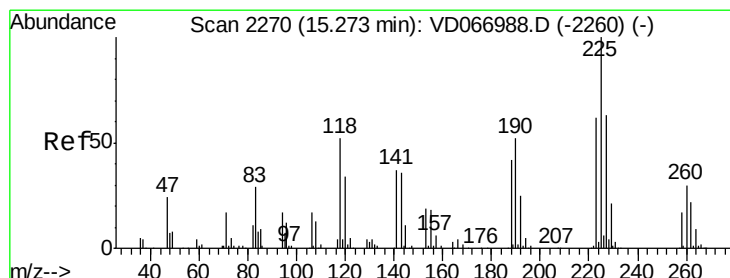
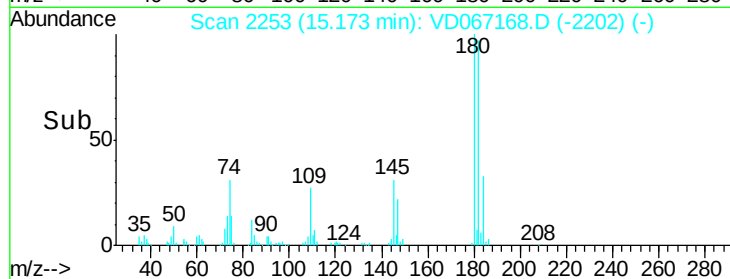
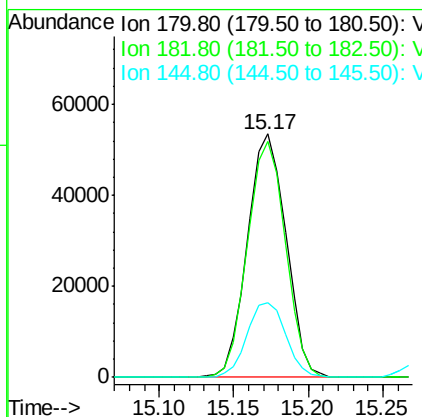
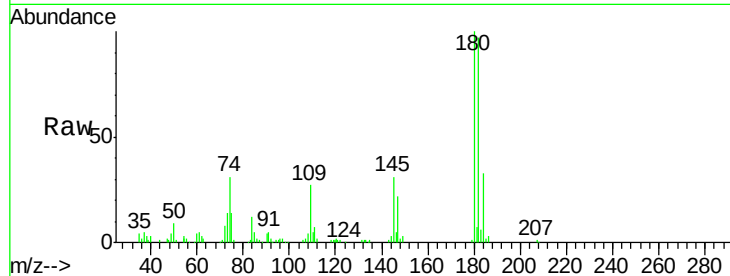
#93
 1,2,4-Trichlorobenzene
 Concen: 20.664 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067168.D
 Acq: 07 Oct 2020 23:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	95715		
182	95.4	47.3	142.0	
145	30.9	16.4	49.1	

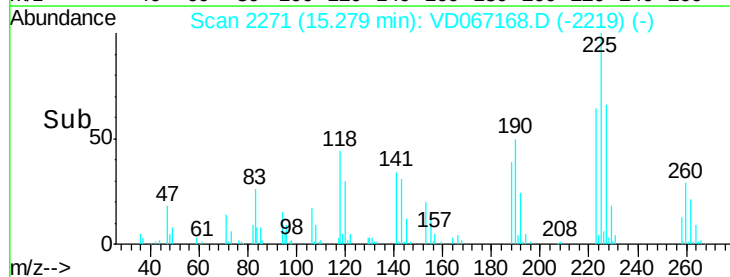
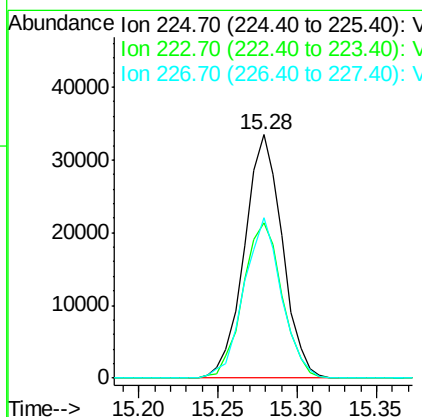
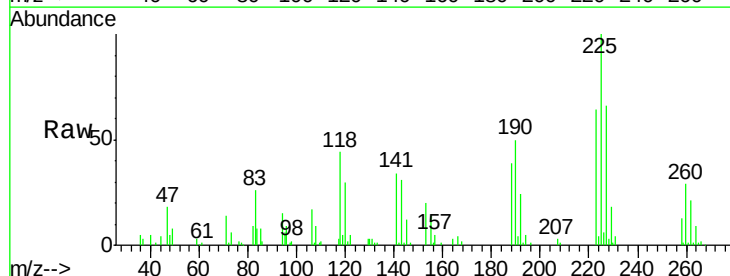
Manual Integrations
 APPROVED

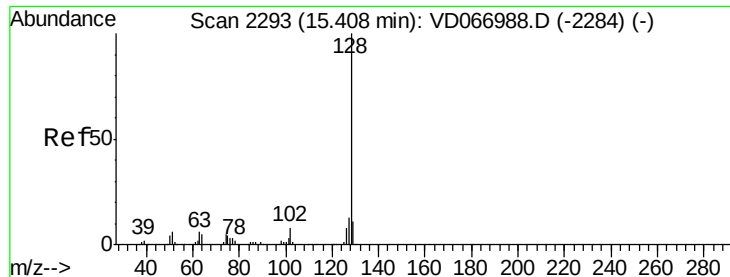
MMDadoda
 10/8/2020 5:39:39 PM



#94
 Hexachlorobutadiene
 Concen: 19.553 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD067168.D
 Acq: 07 Oct 2020 23:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	55621		
223	66.1	32.4	97.0	
227	65.2	31.6	95.0	





#95

Naphthalene

Concen: 20.716 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD067168.D

Acq: 07 Oct 2020 23:45

Instrument :

MSVOA_D

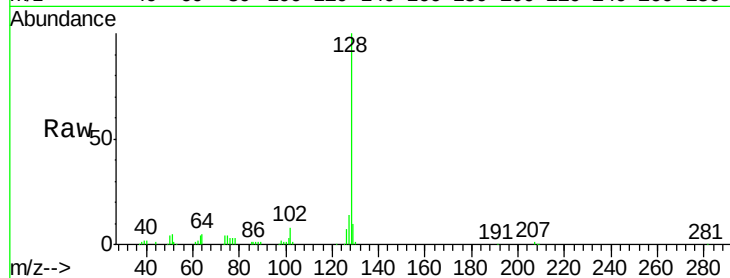
ClientSampleId :

VD1007SBSD02

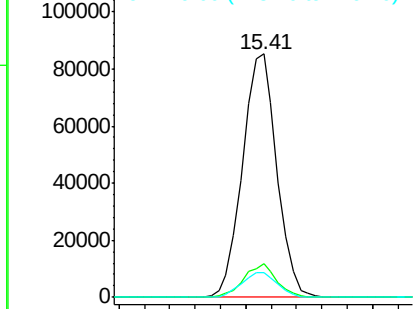
Tot Ion:	128	Resp:	160045
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.3	15.5
129	10.7	8.6	13.0

Manual Integrations
APPROVED

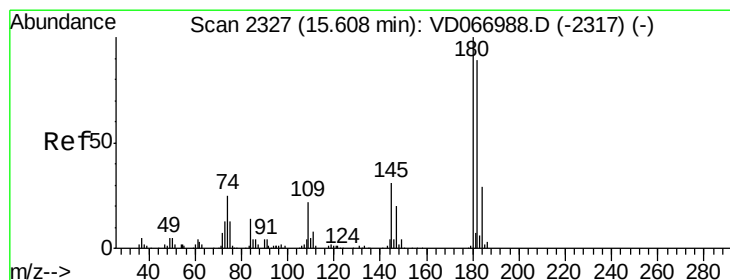
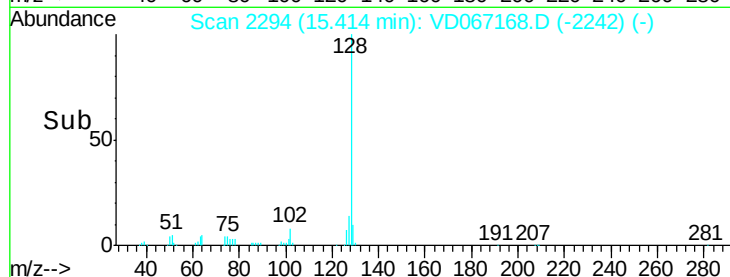
MMDadoda
10/8/2020 5:39:39 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



Time--> 15.30 15.40 15.50



#96

1,2,3-Trichlorobenzene

Concen: 21.585 ug/l

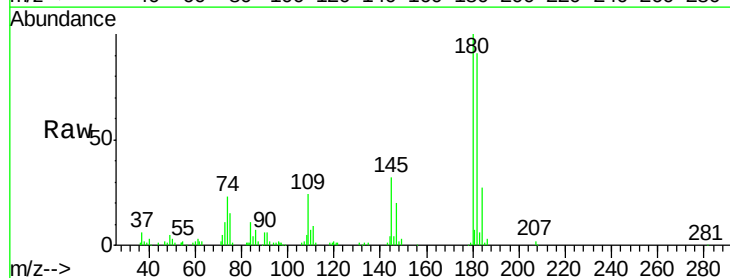
RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

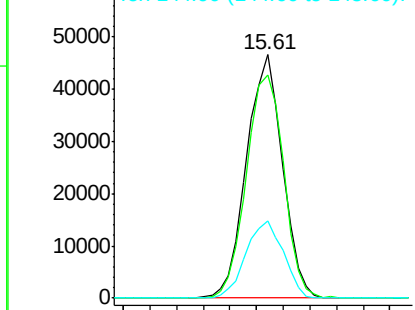
Lab File: VD067168.D

Acq: 07 Oct 2020 23:45

Tgt Ion:	180	Resp:	86791
Ion Ratio	Lower	Upper	
180	100		
182	95.1	46.4	139.1
145	33.0	16.6	49.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V



Time--> 15.50 15.60

