

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100520\
 Data File : VD067074.D
 Acq On : 05 Oct 2020 10:57
 Operator : VA/SY
 Sample : VD1005SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1005SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/6/2020 12:55:05 PM

Quant Time: Oct 06 07:32:30 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	471773	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	719816	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	658894	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	318471	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	222457	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	
35) Dibromofluoromethane	7.91	113	245893	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	
50) Toluene-d8	10.34	98	910592	53.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.06%	
62) 4-Bromofluorobenzene	12.63	95	308901	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	93161	21.726	ug/l	90
3) Chloromethane	2.20	50	73030	19.438	ug/l	100
4) Vinyl Chloride	2.34	62	72498	19.244	ug/l	100
5) Bromomethane	2.76	94	51529	18.491	ug/l	100
6) Chloroethane	2.92	64	42146	18.370	ug/l	98
7) Trichlorofluoromethane	3.27	101	166772	19.925	ug/l	99
8) Diethyl Ether	3.70	74	42325	20.392	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	96444	20.386	ug/l	97
10) Methyl Iodide	4.29	142	78529	17.084	ug/l	98
11) Tert butyl alcohol	5.22	59	23252	48.063	ug/l	98
12) 1,1-Dichloroethene	4.07	96	87479	19.670	ug/l	96
13) Acrolein	3.92	56	27785	91.317	ug/l	99
14) Allyl chloride	4.71	41	114636	19.842	ug/l	98
15) Acrylonitrile	5.42	53	72776	95.270	ug/l	98
16) Acetone	4.15	43	72678	104.775	ug/l	98
17) Carbon Disulfide	4.40	76	272593	19.973	ug/l	99
18) Methyl Acetate	4.71	43	33847	19.414	ug/l	95
19) Methyl tert-butyl Ether	5.47	73	158611	19.537	ug/l	95
20) Methylene Chloride	4.96	84	101982	15.732	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	102181	20.189	ug/l	96
22) Diisopropyl ether	6.36	45	213729	20.263	ug/l	98
23) Vinyl Acetate	6.30	43	567266	94.910	ug/l	98
24) 1,1-Dichloroethane	6.27	63	160584	19.728	ug/l	97
25) 2-Butanone	7.21	43	88174	89.658	ug/l	93
26) 2,2-Dichloropropane	7.21	77	147634	18.621	ug/l	98
27) cis-1,2-Dichloroethene	7.20	96	107684	19.922	ug/l	100
28) Bromochloromethane	7.54	49	54890	17.461	ug/l	96
29) Tetrahydrofuran	7.56	42	53293	94.245	ug/l	98
30) Chloroform	7.70	83	176151	19.949	ug/l	96
31) Cyclohexane	7.99	56	133172	19.514	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	165297	20.199	ug/l	99
36) 1,1-Dichloropropene	8.11	75	132501	19.748	ug/l	97
37) Ethyl Acetate	7.29	43	42300	18.199	ug/l #	96
38) Carbon Tetrachloride	8.09	117	152141	20.957	ug/l	95

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 10/6/2020 12:55:05 PM

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 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)
39) Methylcyclohexane	9.35	83	145476	20.508	ug/l	98
40) Benzene	8.34	78	379686	20.374	ug/l	99
41) Methacrylonitrile	7.52	41	25628	20.409	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	104491	20.066	ug/l	100
43) Isopropyl Acetate	8.45	43	80610	18.826	ug/l	97
44) Trichloroethene	9.11	130	116240	20.888	ug/l	99
45) 1,2-Dichloropropane	9.38	63	90811	20.739	ug/l	92
46) Dibromomethane	9.47	93	50849	20.205	ug/l	98
47) Bromodichloromethane	9.66	83	132009	20.179	ug/l	98
48) Methyl methacrylate	9.45	41	42451	19.351	ug/l	94
49) 1,4-Dioxane	9.46	88	10281	391.416	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	206403	96.774	ug/l	99
52) Toluene	10.40	92	252591	21.041	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	118410	20.252	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	144199	20.197	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	70761	20.223	ug/l	95
56) Ethyl methacrylate	10.66	69	73232	20.272	ug/l	98
57) 1,3-Dichloropropane	10.94	76	115324	20.325	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	204905	101.911	ug/l	98
59) 2-Hexanone	10.98	43	139151	97.750	ug/l	98
60) Dibromochloromethane	11.14	129	97518	20.911	ug/l	100
61) 1,2-Dibromoethane	11.24	107	69109	20.559	ug/l	98
64) Tetrachloroethene	10.87	164	99620	20.797	ug/l	93
65) Chlorobenzene	11.67	112	272277	20.777	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	102301	20.523	ug/l	100
67) Ethyl Benzene	11.74	91	476741	21.233	ug/l	97
68) m/p-Xylenes	11.86	106	368385	42.099	ug/l	99
69) o-Xylene	12.18	106	163879	20.943	ug/l	96
70) Styrene	12.20	104	289310	21.531	ug/l	99
71) Bromoform	12.36	173	54608	21.104	ug/l #	97
73) Isopropylbenzene	12.48	105	460724	21.306	ug/l	100
74) N-amyl acetate	12.29	43	74433	19.147	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.73	83	71080	19.509	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	50617m	18.247	ug/l	
77) Bromobenzene	12.77	156	110944	21.247	ug/l	98
78) n-propylbenzene	12.82	91	544858	21.320	ug/l	98
79) 2-Chlorotoluene	12.91	91	308015	21.065	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	395396	21.642	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	21440	19.269	ug/l	97
82) 4-Chlorotoluene	13.01	91	324231	20.841	ug/l	99
83) tert-Butylbenzene	13.23	119	337320	21.925	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	387268	21.240	ug/l	98
85) sec-Butylbenzene	13.41	105	461182	21.286	ug/l	100
86) p-Isopropyltoluene	13.52	119	429647	21.389	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	213651	21.007	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	212737	20.919	ug/l	97
89) n-Butylbenzene	13.85	91	378022	20.592	ug/l	99
90) Hexachloroethane	14.11	117	70969	20.170	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	179838	20.246	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11333	19.296	ug/l	93

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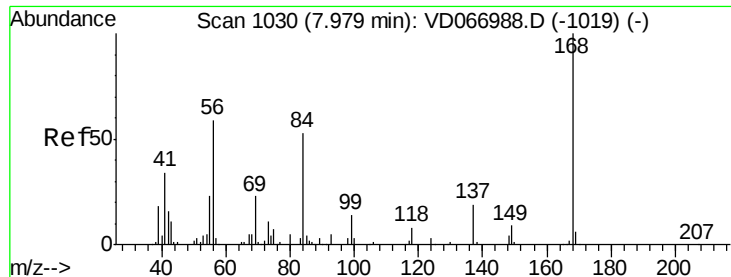
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	120936	21.049	ug/l	99
94) Hexachlorobutadiene	15.28	225	74788	21.195	ug/l	98
95) Naphthalene	15.41	128	190387	19.867	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	106528	21.359	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: VD067074.D

Acq: 05 Oct 2020 10:57

Instrument :

MSVOA_D

ClientSampleId :

VD1005SBS01

Tot Ion:168 Resp: 471773

Ion Ratio Lower Upper

168 100

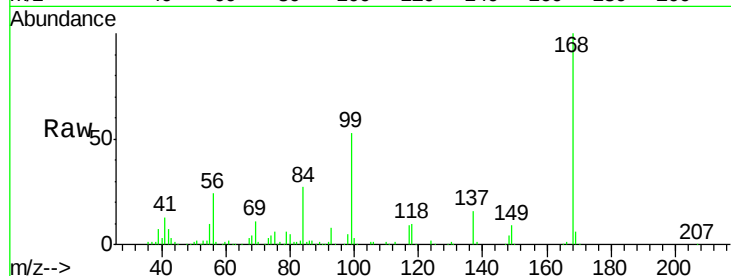
99 53.2 44.1 66.1

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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

200000

150000

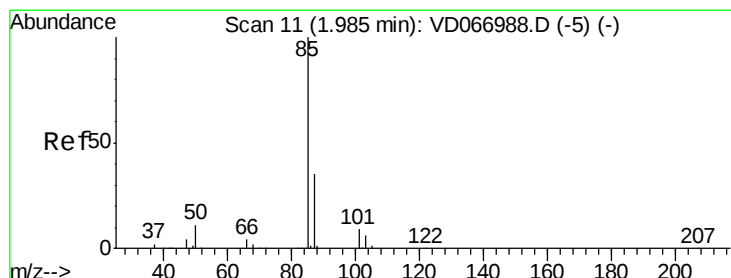
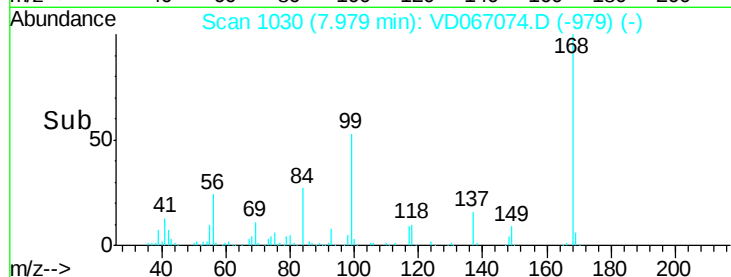
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.726 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067074.D

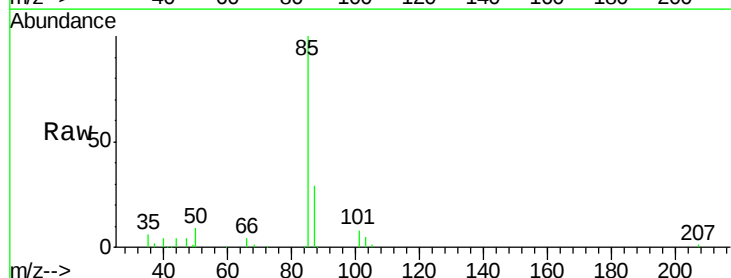
Acq: 05 Oct 2020 10:57

Tgt Ion: 85 Resp: 93161

Ion Ratio Lower Upper

85 100

87 28.9 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

80000

60000

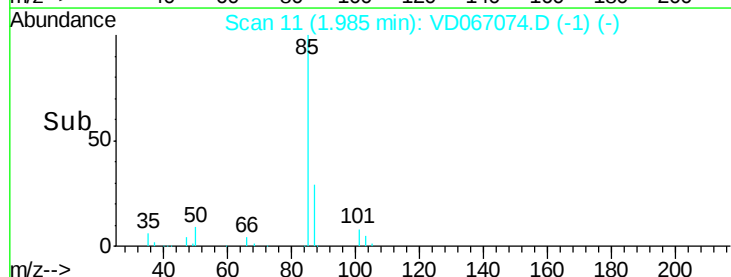
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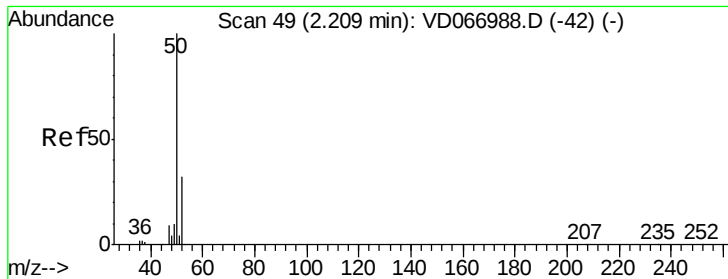
20000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 19.438 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD067074.D

Acq: 05 Oct 2020 10:57

Instrument :

MSVOA_D

ClientSampleId :

VD1005SBS01

Tot Ion: 50 Resp: 73030

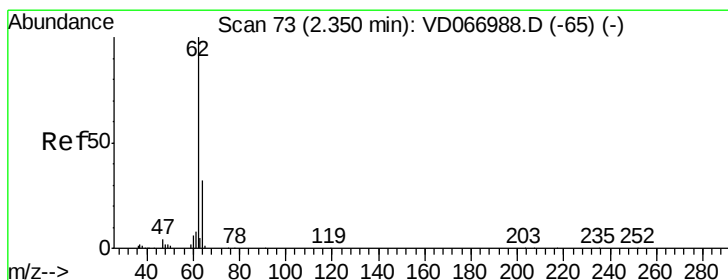
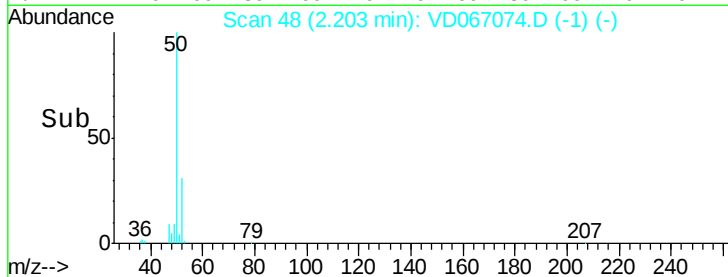
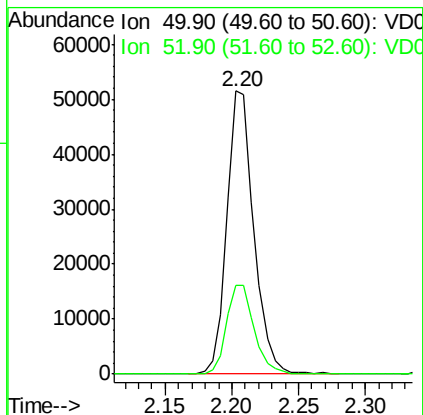
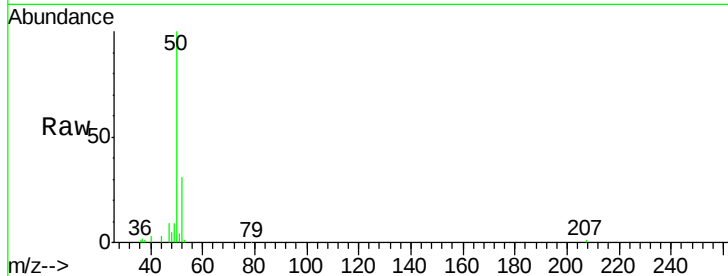
Ion Ratio Lower Upper

50 100

52 31.3 25.3 37.9

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.244 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD067074.D

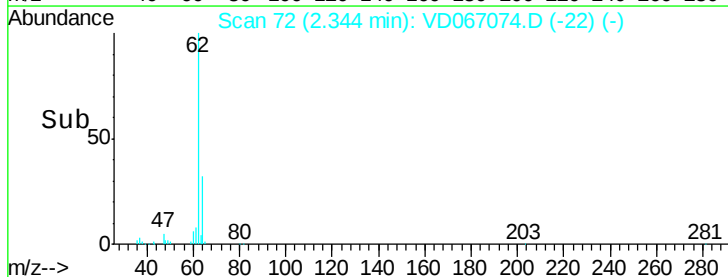
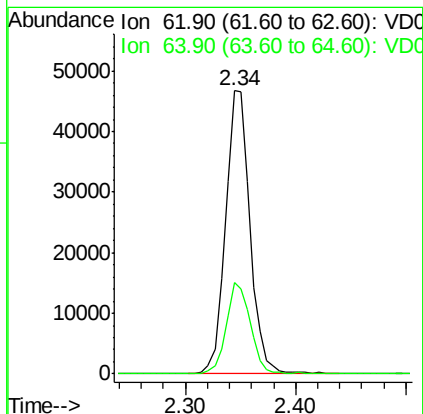
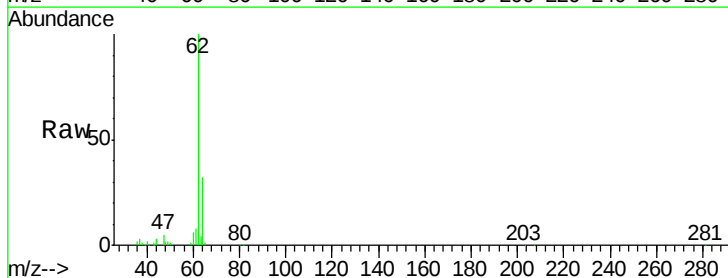
Acq: 05 Oct 2020 10:57

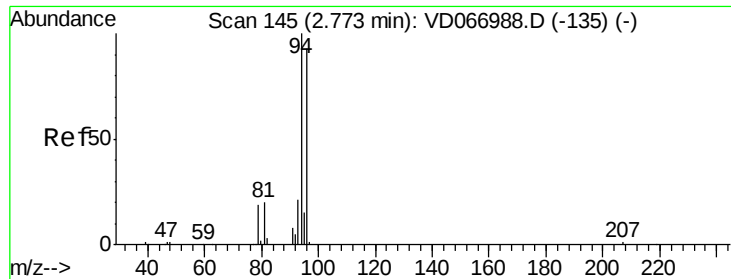
Tgt Ion: 62 Resp: 72498

Ion Ratio Lower Upper

62 100

64 32.3 25.8 38.8





#5

Bromomethane

Concen: 18.491 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD067074.D

Acq: 05 Oct 2020 10:57

Instrument :

MSVOA_D

ClientSampleId :

VD1005SBS01

Tot Ion: 94 Resp: 51529

Ion Ratio Lower Upper

94 100

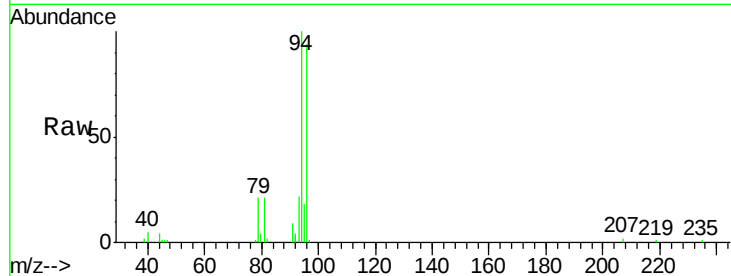
96 93.2 74.6 112.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

25000

20000

15000

10000

5000

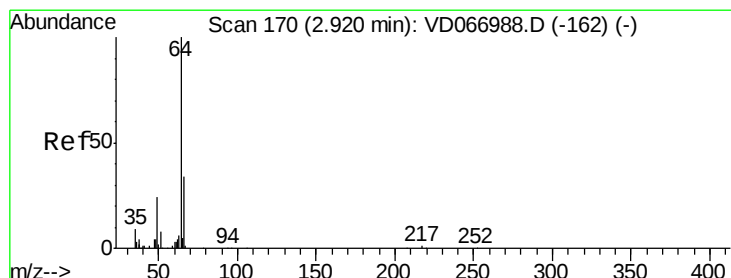
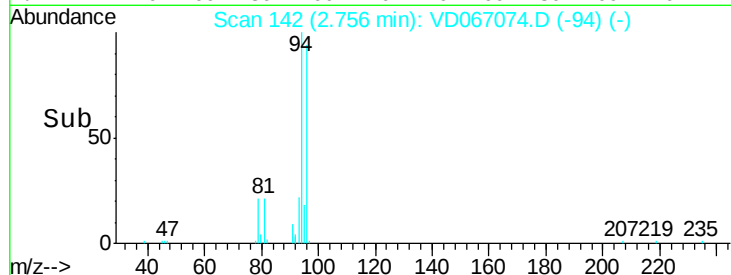
0

2.76

2.80

2.90

Time-->



#6

Chloroethane

Concen: 18.370 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067074.D

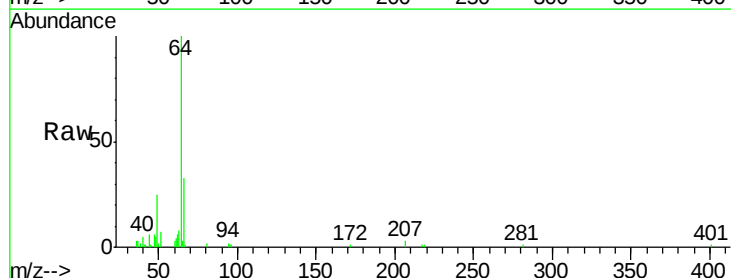
Acq: 05 Oct 2020 10:57

Tgt Ion: 64 Resp: 42146

Ion Ratio Lower Upper

64 100

66 32.7 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

20000

15000

10000

5000

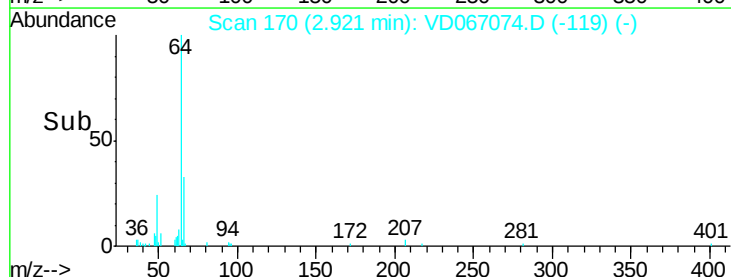
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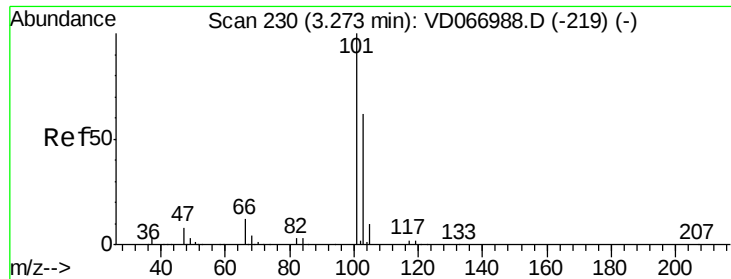
2.92

2.90

3.00

Time-->





#7

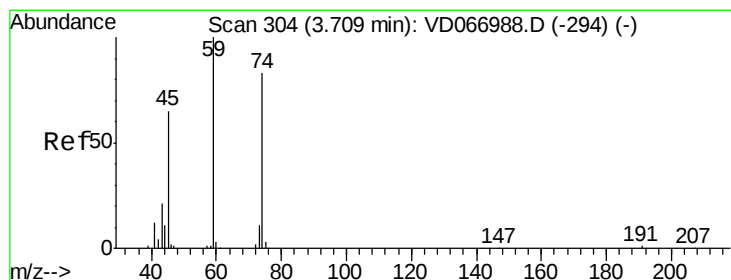
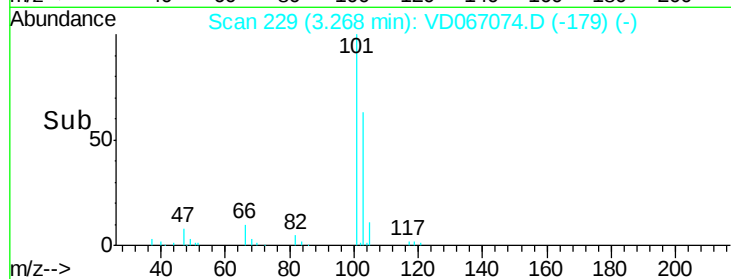
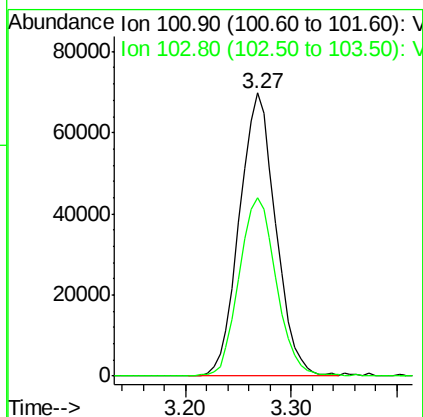
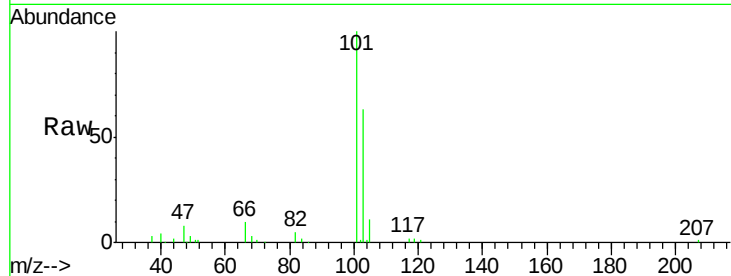
Trichlorofluoromethane
Concen: 19.925 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD067074.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	166772		
103	63.1	49.8	74.8	

Manual Integrations
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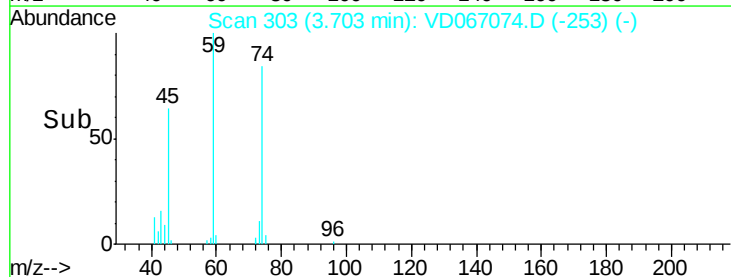
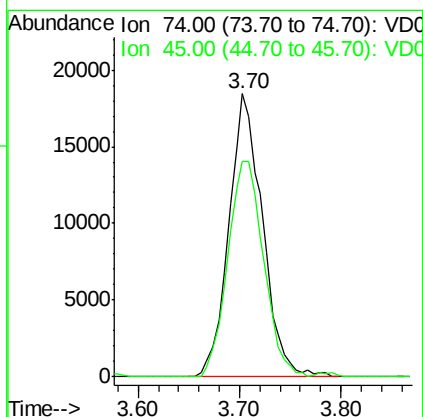
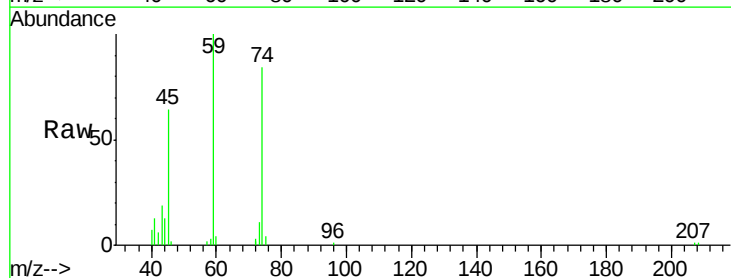
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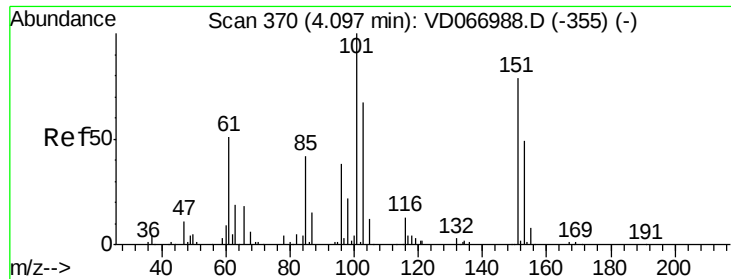


#8

Diethyl Ether
Concen: 20.392 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD067074.D
Acq: 05 Oct 2020 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	42325		
45	81.3	43.1	129.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.386 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD067074.D

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Instrument :

MSVOA_D

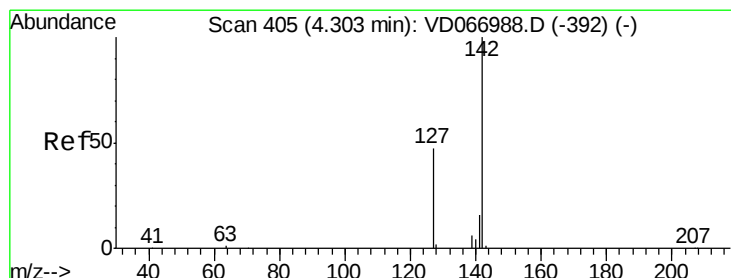
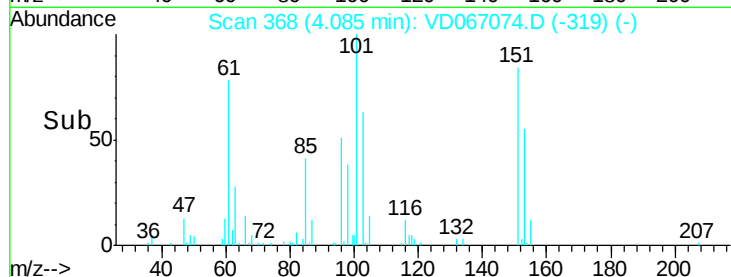
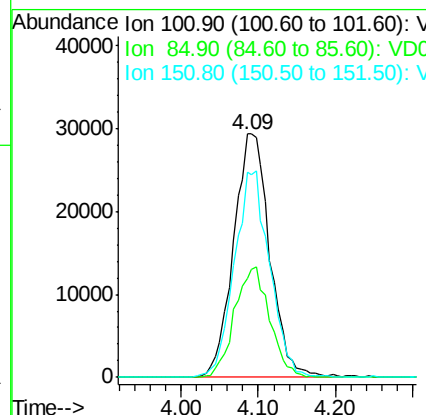
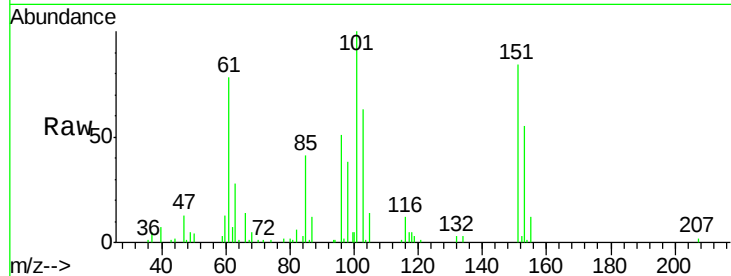
ClientSampleId :

VD1005SBS01

Tot Ion:	101	Resp:	96444
Ion Ratio	Lower	Upper	
101	100		
85	43.7	33.8	50.8
151	82.7	63.8	95.8

Manual Integrations
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#10

Methyl Iodide

Concen: 17.084 ug/l

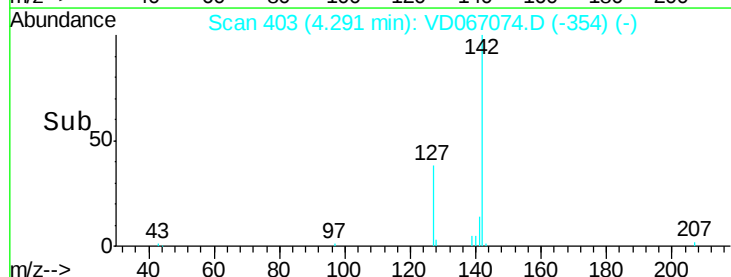
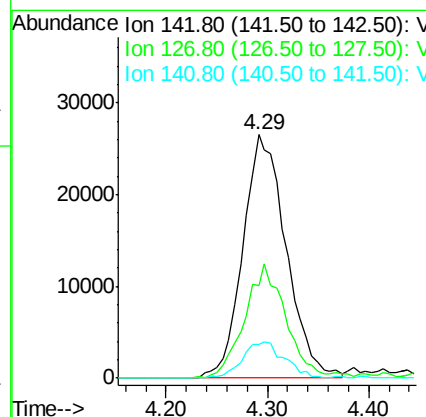
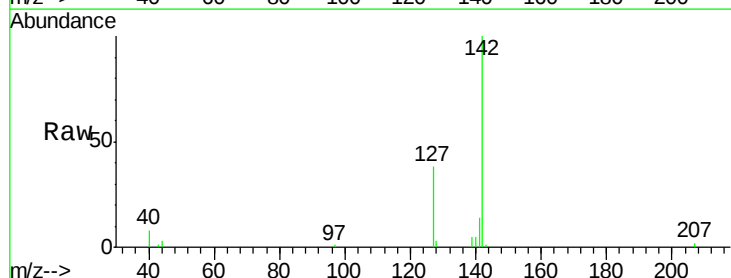
RT: 4.29 min Scan# 403

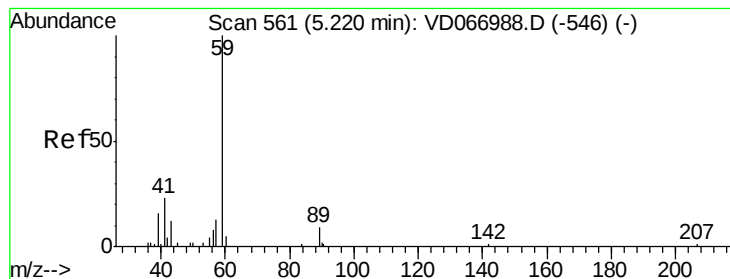
Delta R.T. -0.01 min

Lab File: VD067074.D

Acq: 05 Oct 2020 10:57

Tgt Ion:	142	Resp:	78529
Ion Ratio	Lower	Upper	
142	100		
127	44.2	36.3	54.5
141	14.4	12.0	18.0





#11

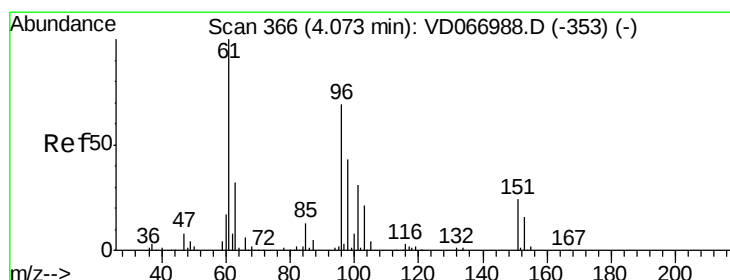
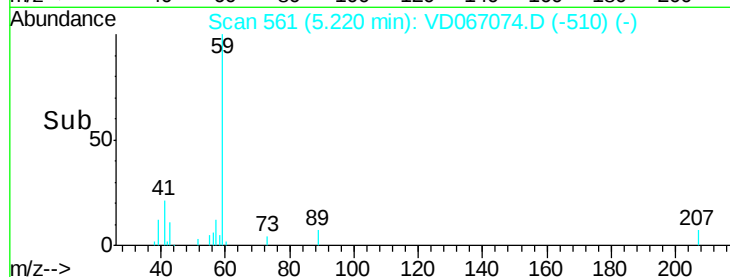
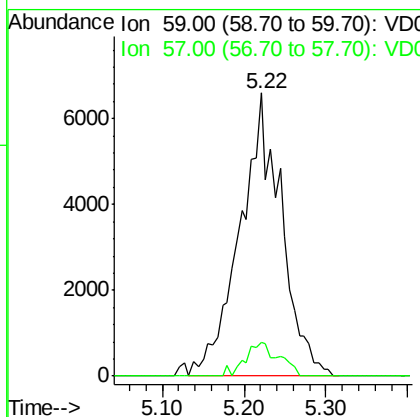
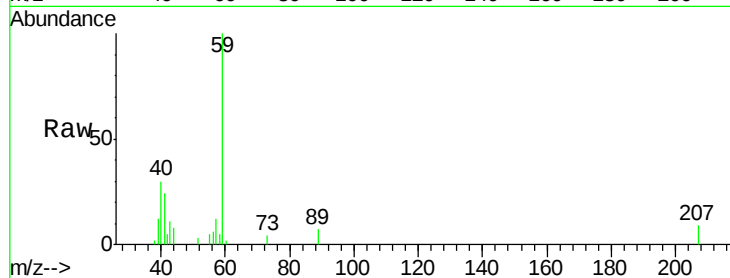
Tert butyl alcohol
 Concen: 48.063 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: VD067074.D
 Acq: 05 Oct 2020 10:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1005SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.2	12.4

Manual Integrations
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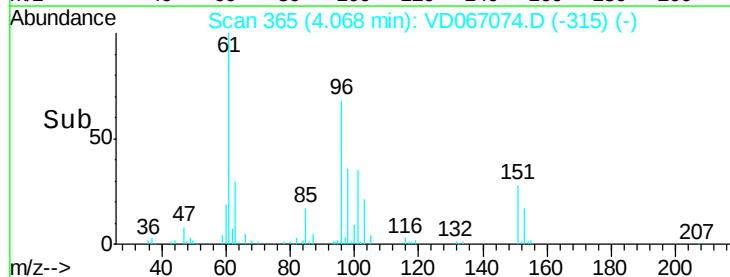
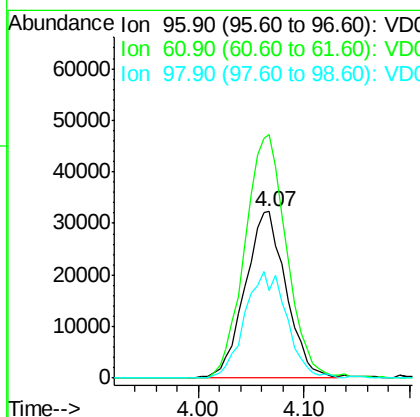
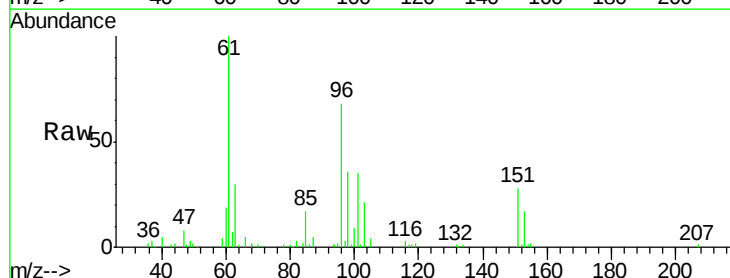
MMDadoda
 10/6/2020 12:55:05 PM

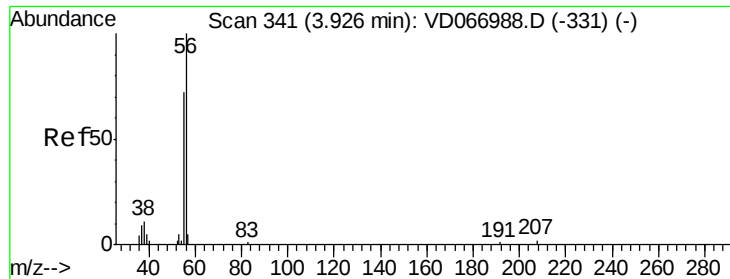


#12

1,1-Dichloroethene
 Concen: 19.670 ug/l
 RT: 4.07 min Scan# 366
 Delta R.T. -0.01 min
 Lab File: VD067074.D
 Acq: 05 Oct 2020 10:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.5	116.4	174.6
98	52.9	49.9	74.9





#13

Acrolein

Concen: 91.317 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD067074.D

Acq: 05 Oct 2020 10:57

Instrument :

MSVOA_D

ClientSampleId :

VD1005SBS01

Tot Ion: 56 Resp: 27785

Ion Ratio Lower Upper

56 100

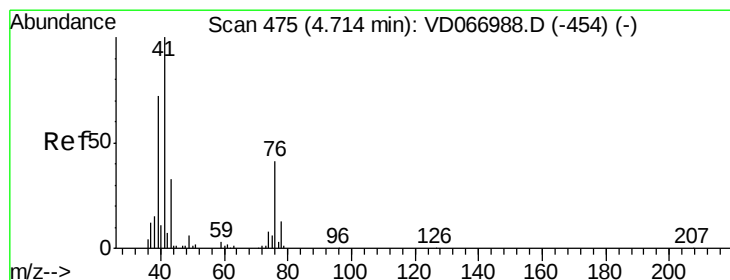
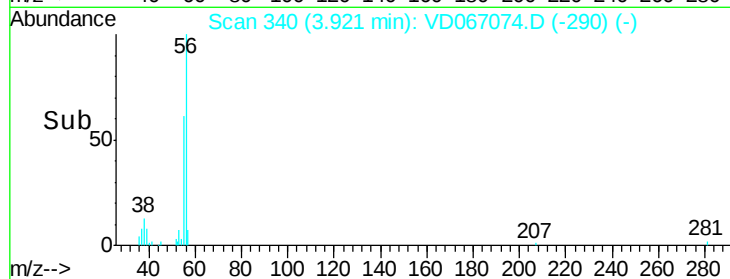
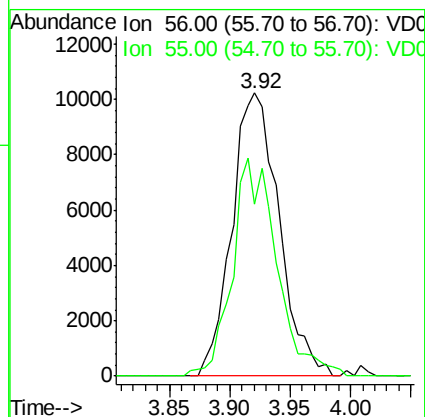
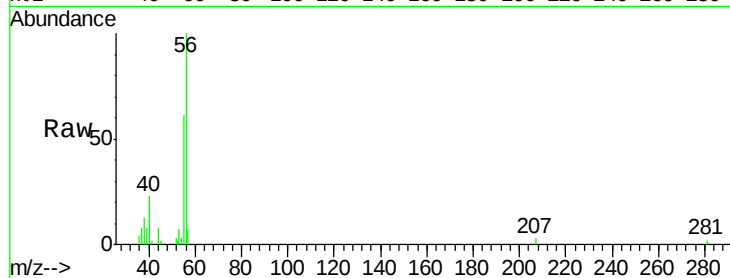
55 72.2 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 19.842 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067074.D

Acq: 05 Oct 2020 10:57

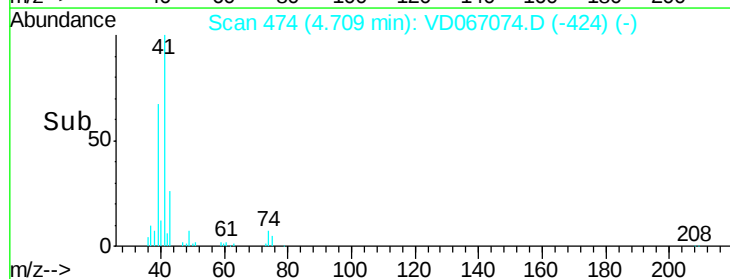
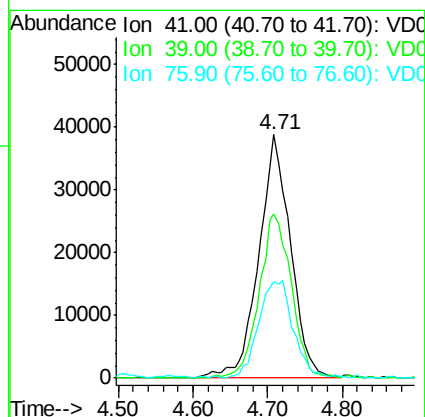
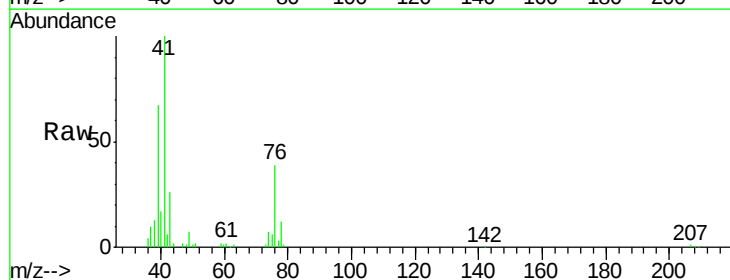
Tgt Ion: 41 Resp: 114636

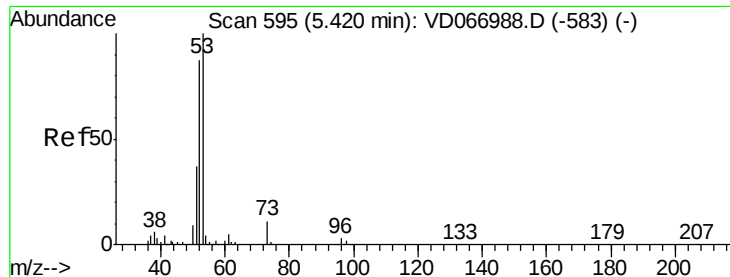
Ion Ratio Lower Upper

41 100

39 68.5 56.2 84.2

76 43.5 34.2 51.2





#15

Acrylonitrile

Concen: 95.270 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD067074.D

Acq: 05 Oct 2020 10:57

Instrument :

MSVOA_D

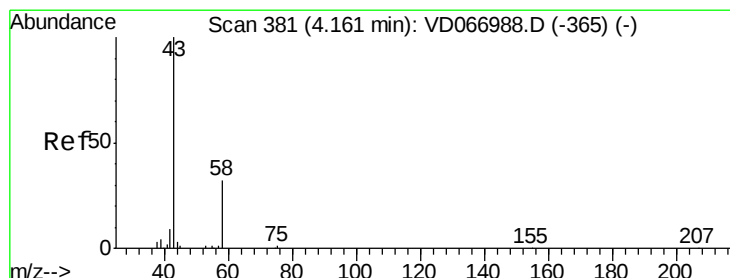
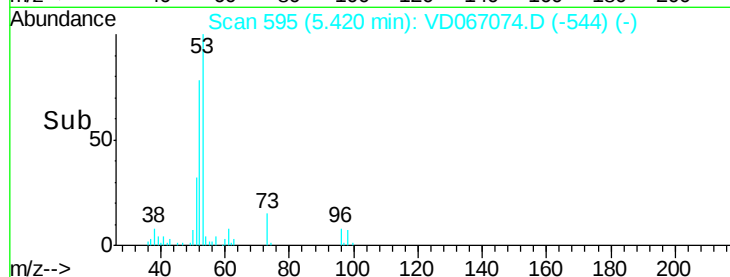
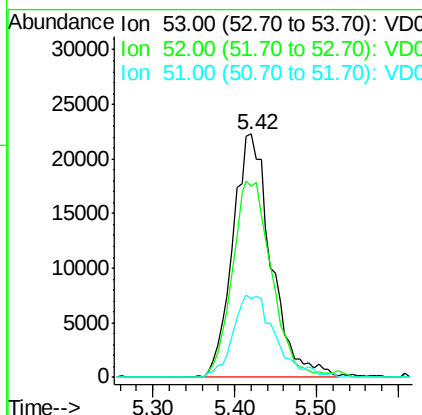
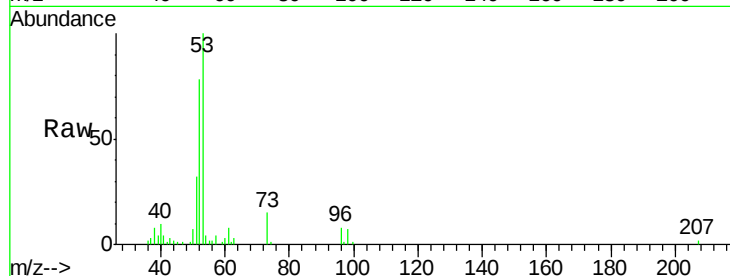
ClientSampleId :

VD1005SBS01

Tot Ion:	53	Resp:	72776
Ion	Ratio	Lower	Upper
53	100		
52	82.3	67.3	100.9
51	37.2	30.2	45.2

Manual Integrations
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#16

Acetone

Concen: 104.775 ug/l

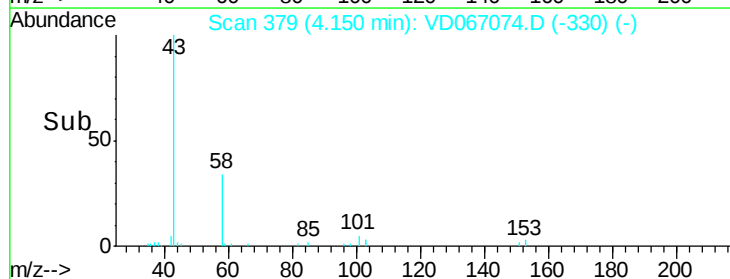
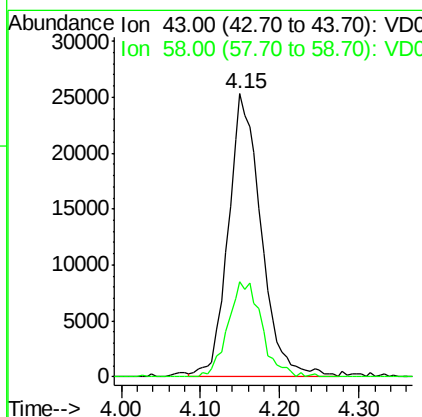
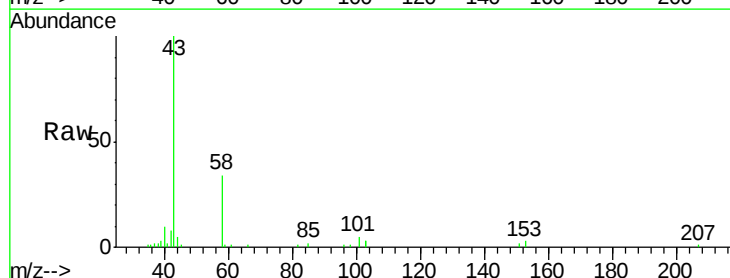
RT: 4.15 min Scan# 379

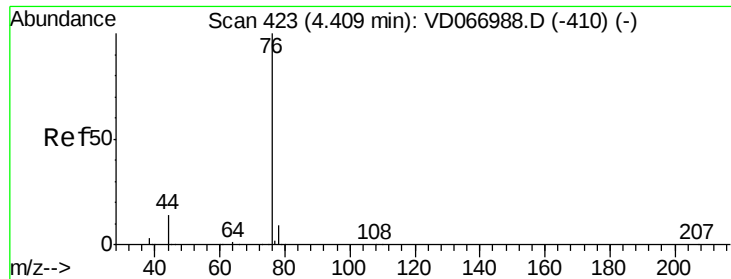
Delta R.T. -0.01 min

Lab File: VD067074.D

Acq: 05 Oct 2020 10:57

Tgt Ion:	43	Resp:	72678
Ion	Ratio	Lower	Upper
43	100		
58	33.8	25.9	38.9





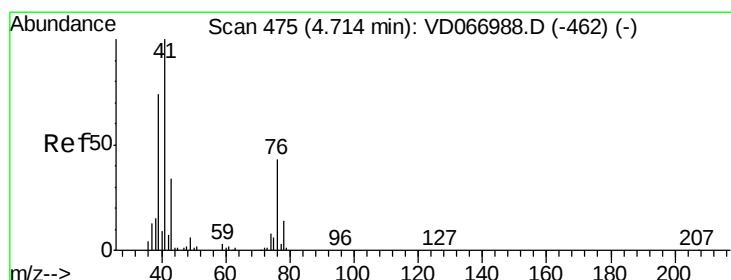
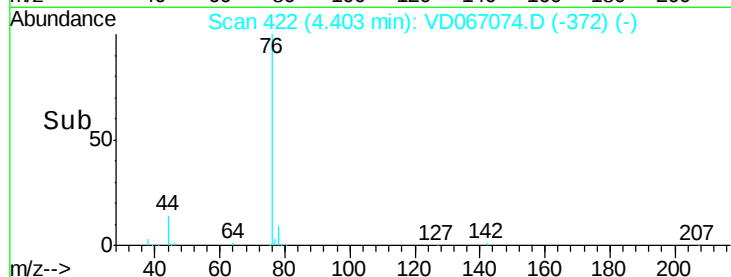
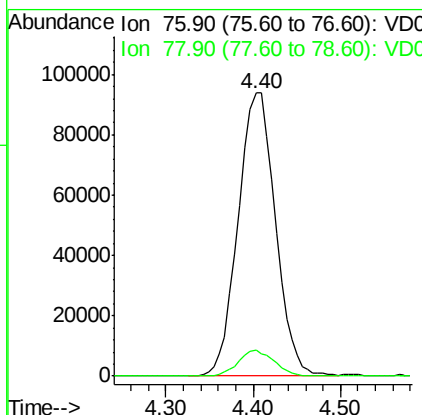
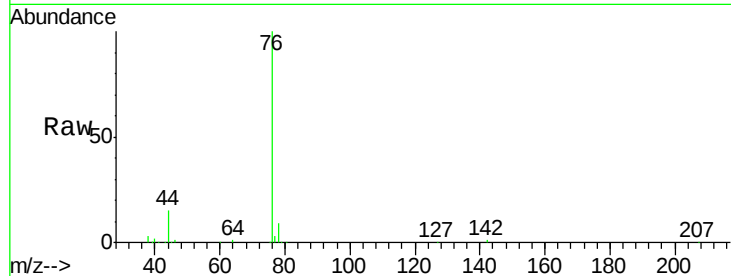
#17
Carbon Disulfide
Concen: 19.973 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD067074.D
Acq: 05 Oct 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VD1005SBS01

Tot Ion: 76 Resp: 272593
Ion Ratio Lower Upper
76 100
78 9.1 7.5 11.3

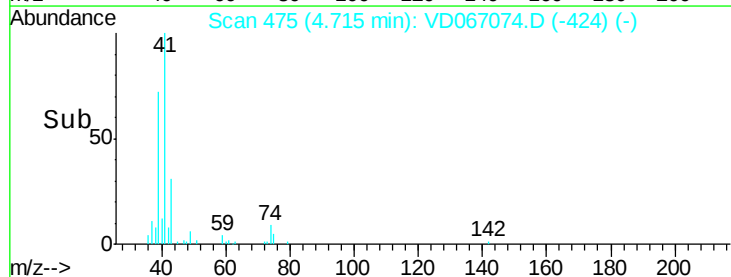
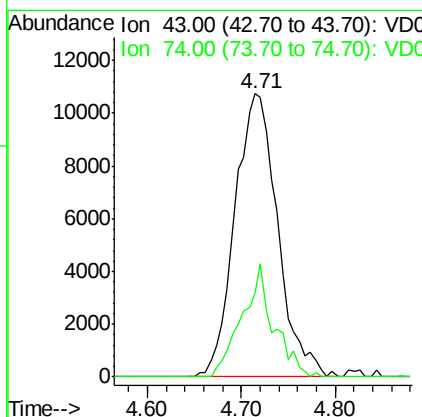
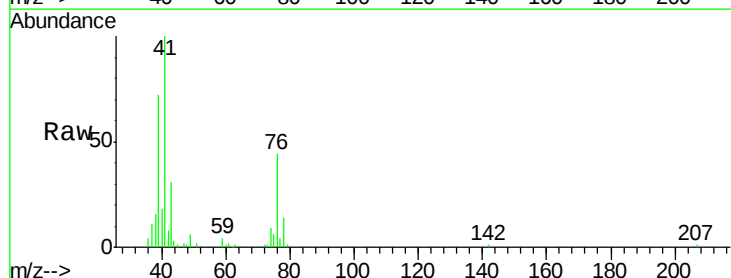
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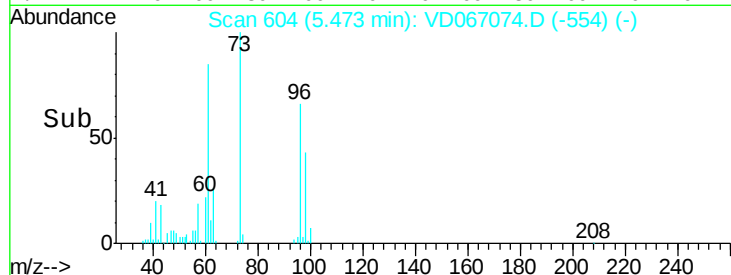
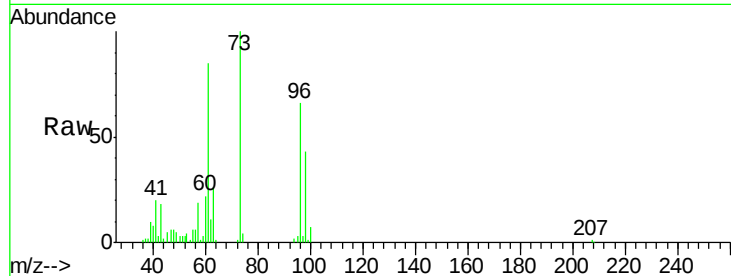
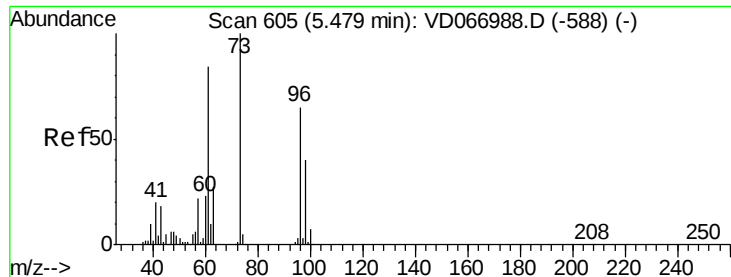
MMDadoda
10/6/2020 12:55:05 PM



#18
Methyl Acetate
Concen: 19.414 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD067074.D
Acq: 05 Oct 2020 10:57

Tgt Ion: 43 Resp: 33847
Ion Ratio Lower Upper
43 100
74 29.4 21.5 32.3





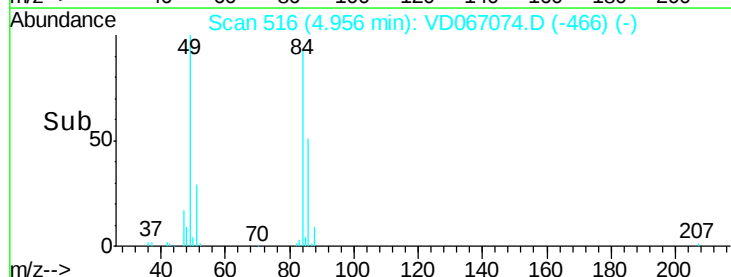
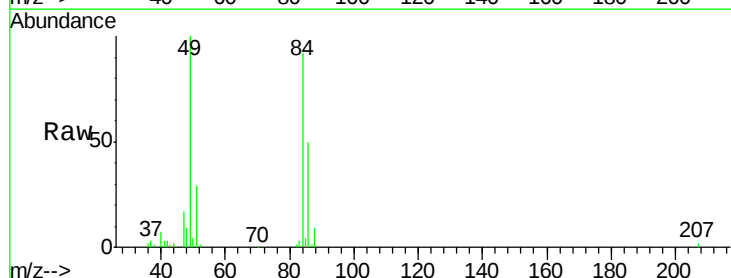
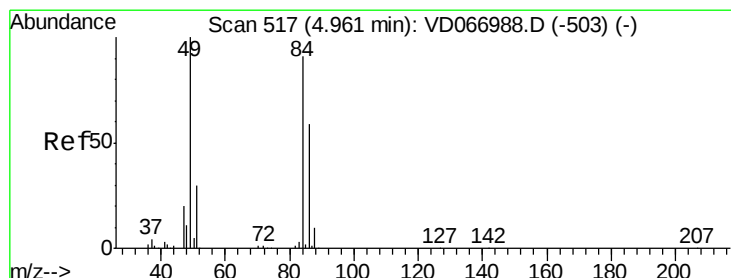
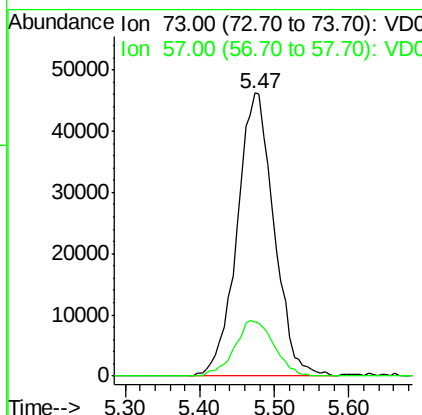
#19
Methyl tert-butyl Ether
Concen: 19.537 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD067074.D
Acq: 05 Oct 2020 10:57

Tot Ion: 73 Resp: 158611
Ion Ratio Lower Upper
73 100
57 19.2 17.4 26.0

Instrument :
MSVOA_D
ClientSampleID :
VD1005SBS01

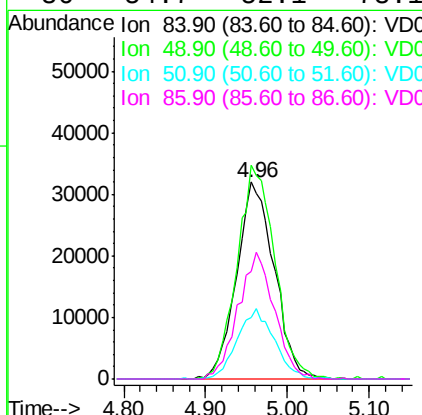
Manual Integrations
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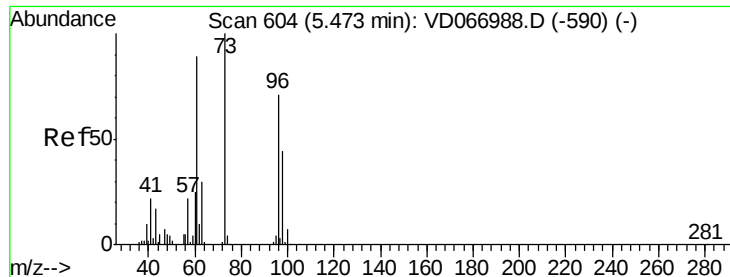
MMDadoda
10/6/2020 12:55:05 PM



#20
Methylene Chloride
Concen: 15.732 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD067074.D
Acq: 05 Oct 2020 10:57

Tgt Ion: 84 Resp: 101982
Ion Ratio Lower Upper
84 100
49 108.5 88.2 132.2
51 31.4 26.6 39.8
86 54.7 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 20.189 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067074.D

Acq: 05 Oct 2020 10:57

Instrument :

MSVOA_D

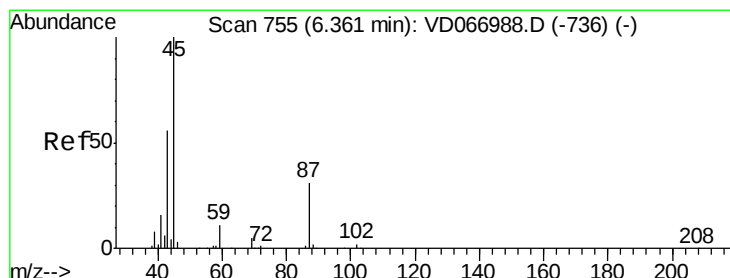
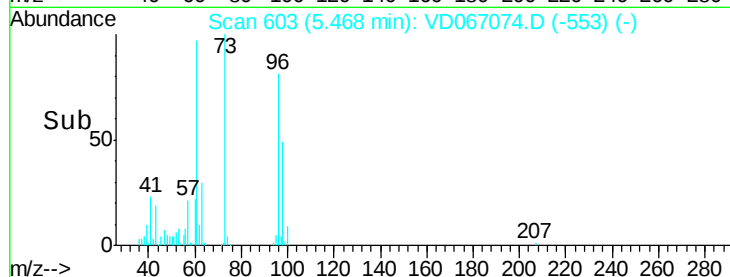
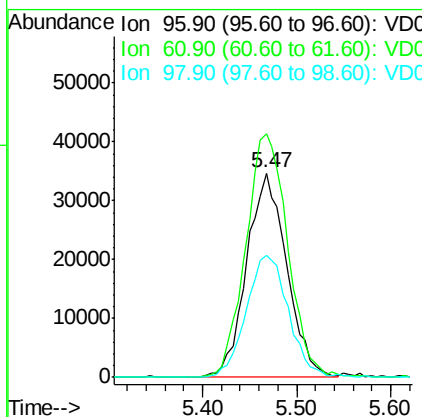
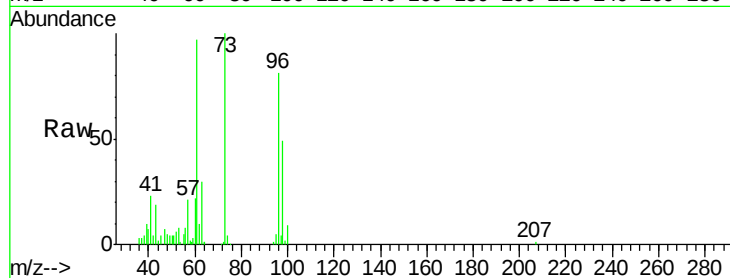
ClientSampleId :

VD1005SBS01

Tot Ion:	96	Resp:	102181
Ion	Ratio	Lower	Upper
96	100		
61	119.3	99.6	149.4
98	60.1	49.4	74.2

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#22

Diisopropyl ether

Concen: 20.263 ug/l

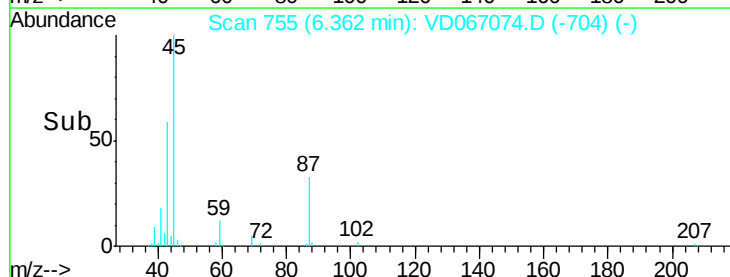
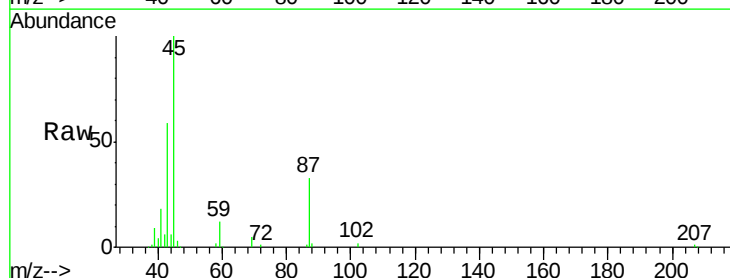
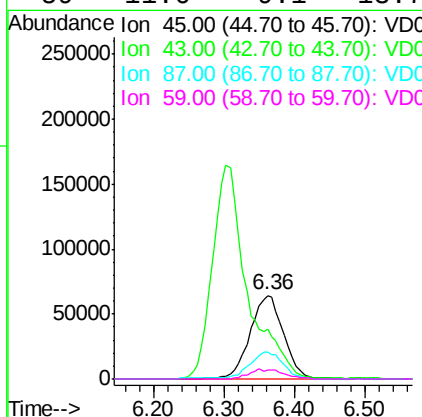
RT: 6.36 min Scan# 755

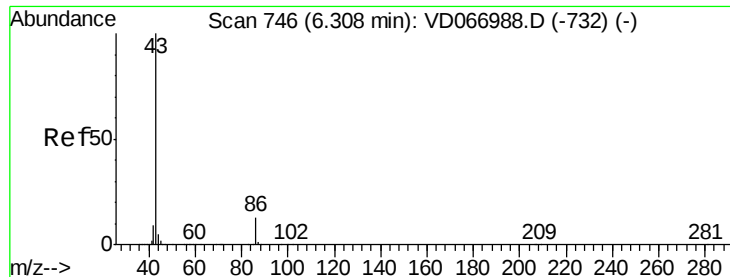
Delta R.T. 0.00 min

Lab File: VD067074.D

Acq: 05 Oct 2020 10:57

Tgt Ion:	45	Resp:	213729
Ion	Ratio	Lower	Upper
45	100		
43	58.1	45.2	67.8
87	32.5	25.6	38.4
59	11.6	9.1	13.7





#23

Vinyl Acetate

Concen: 94.910 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067074.D

Acq: 05 Oct 2020 10:57

Instrument :

MSVOA_D

ClientSampleId :

VD1005SBS01

Tot Ion: 43 Resp: 567266

Ion Ratio Lower Upper

43 100

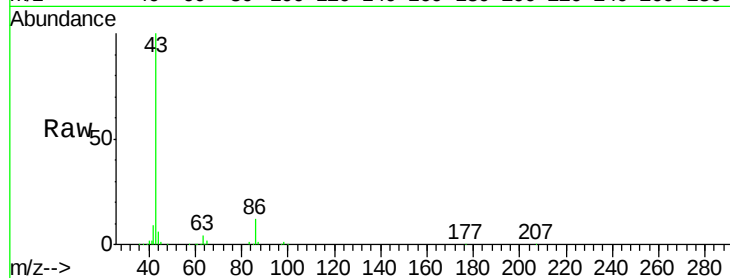
86 12.0 10.2 15.2

Manual Integrations

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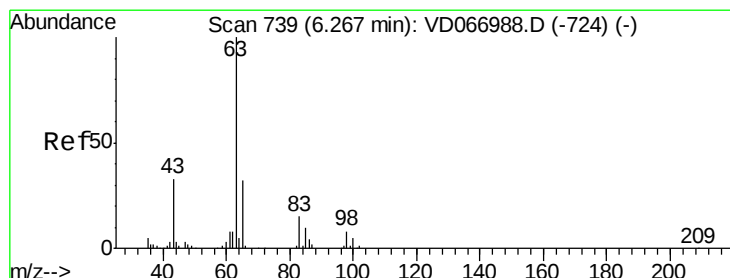
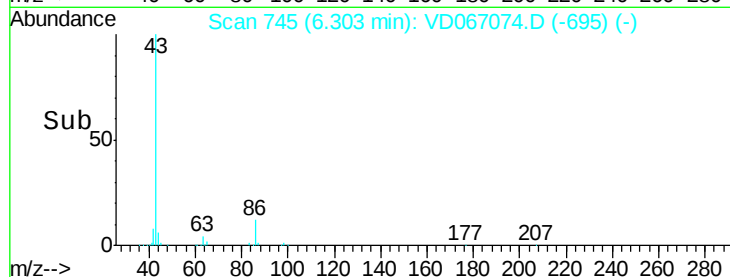
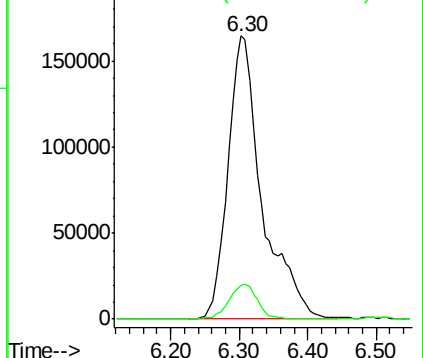
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.728 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067074.D

Acq: 05 Oct 2020 10:57

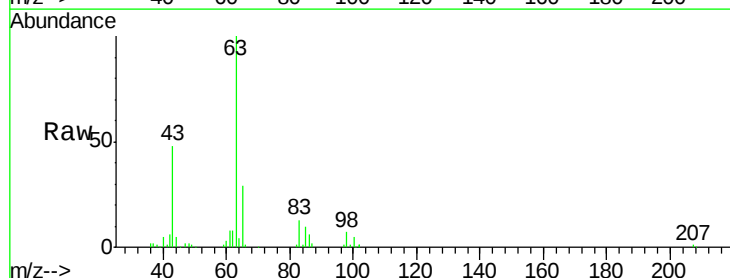
Tgt Ion: 63 Resp: 160584

Ion Ratio Lower Upper

63 100

98 7.0 4.2 12.6

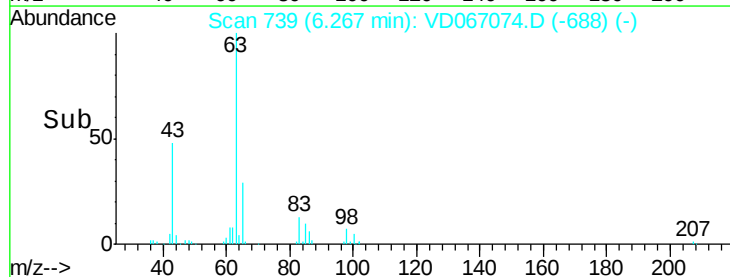
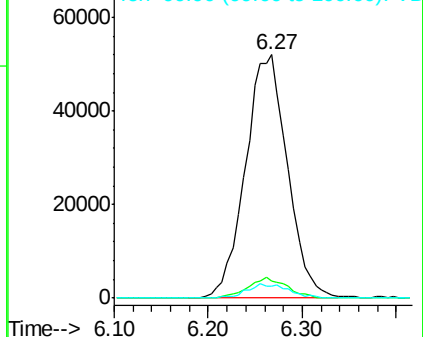
100 4.8 2.6 7.8

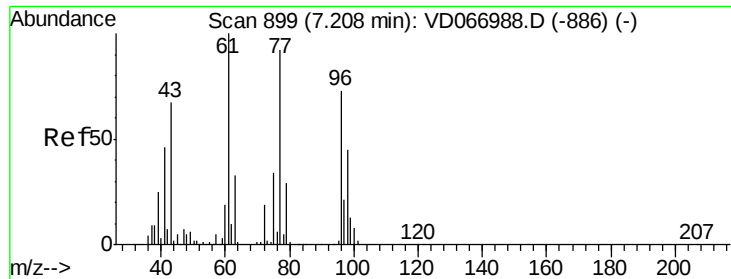


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





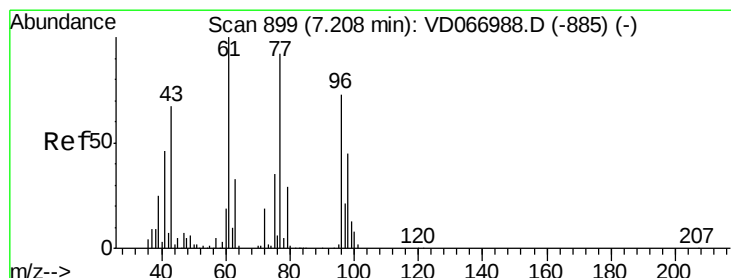
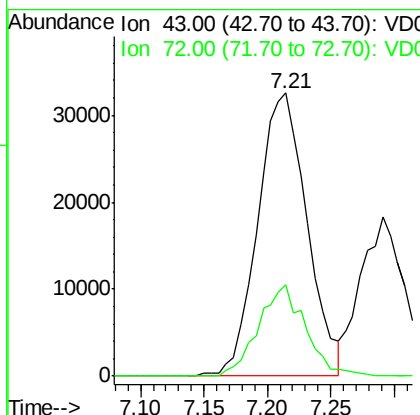
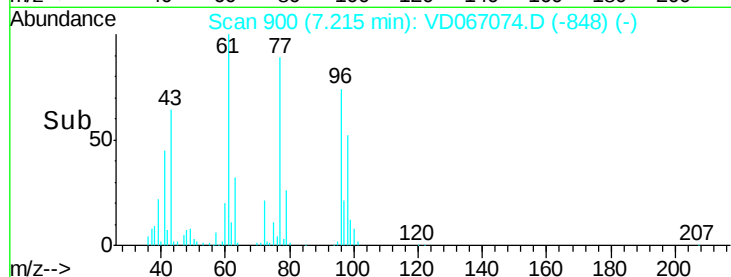
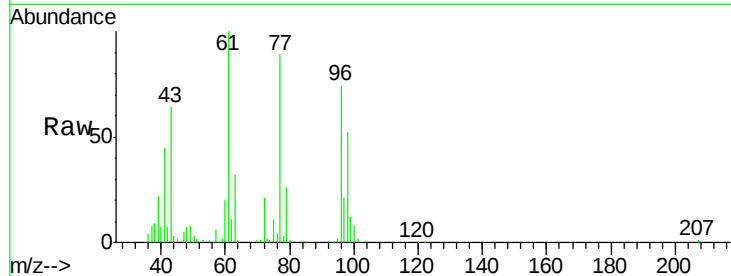
#25
2-Butanone
Concen: 89.658 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD067074.D
Acq: 05 Oct 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VD1005SBS01

Tot Ion: 43 Resp: 88174
Ion Ratio Lower Upper
43 100
72 32.2 22.8 34.2

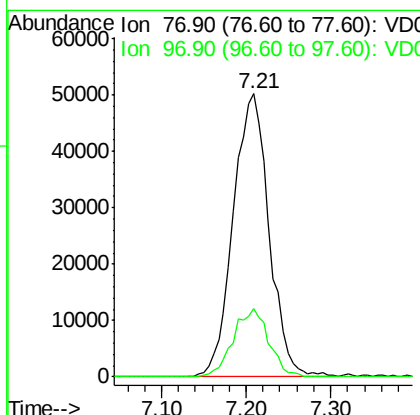
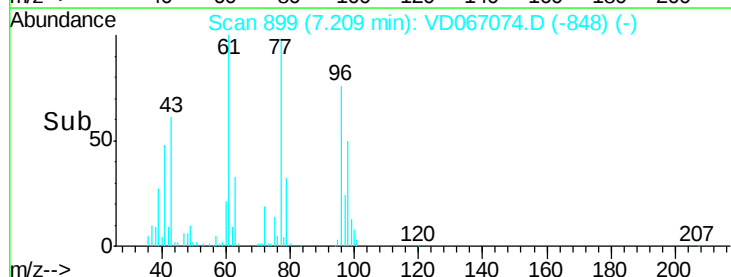
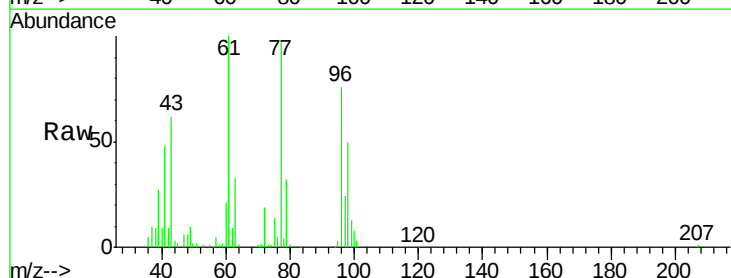
Manual Integrations
APPROVED

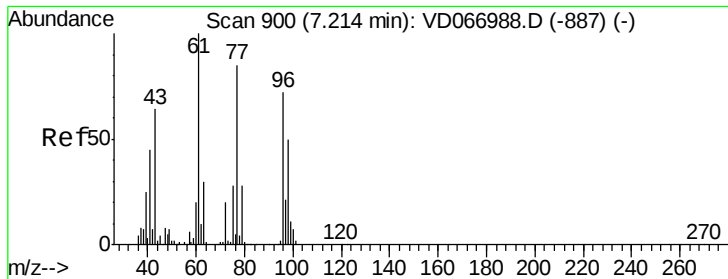
MMDadoda
10/6/2020 12:55:05 PM



#26
2,2-Dichloropropane
Concen: 18.621 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067074.D
Acq: 05 Oct 2020 10:57

Tgt Ion: 77 Resp: 147634
Ion Ratio Lower Upper
77 100
97 23.9 11.4 34.2





#27

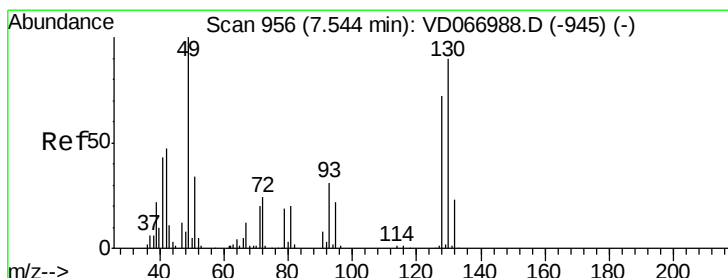
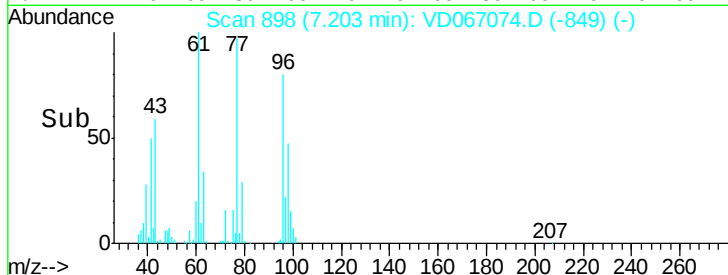
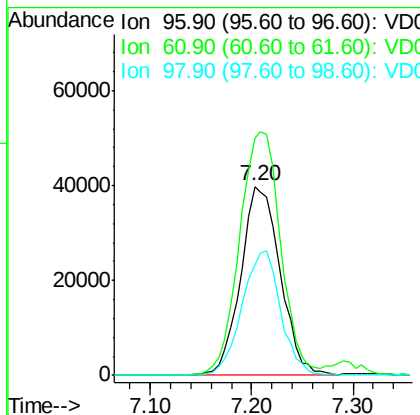
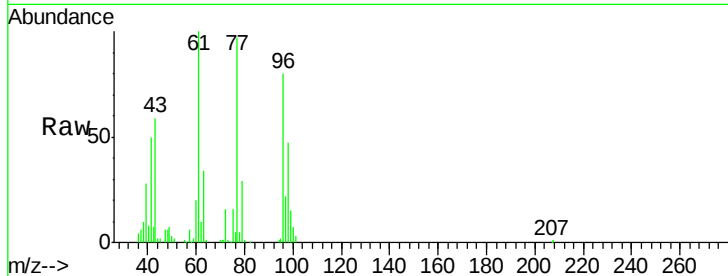
cis-1,2-Dichloroethene
Concen: 19.922 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD067074.D
Acq: 05 Oct 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VD1005SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	107684		
61	134.1	0.0	269.2	
98	64.5	0.0	129.4	

Manual Integrations
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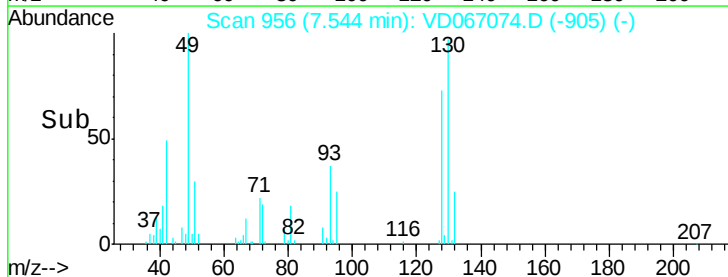
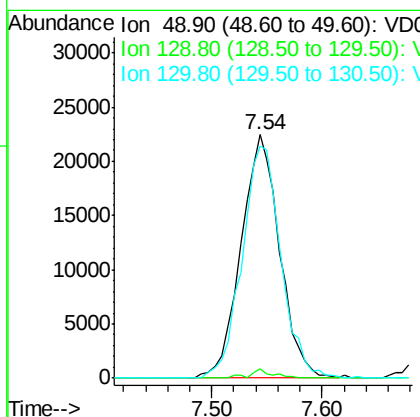
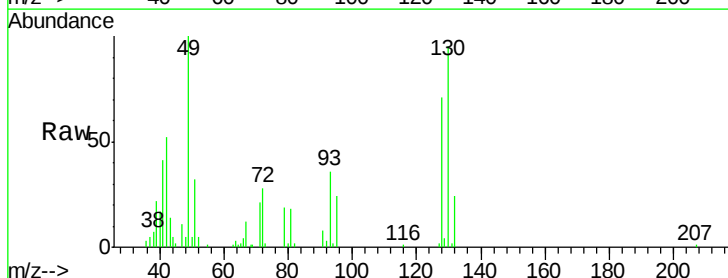
MMDadoda
10/6/2020 12:55:05 PM

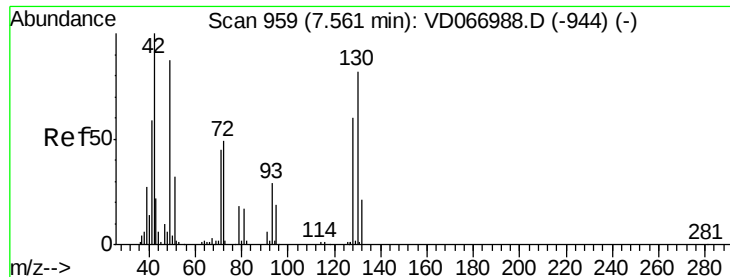


#28

Bromochloromethane
Concen: 17.461 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.00 min
Lab File: VD067074.D
Acq: 05 Oct 2020 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	54890		
129	2.2	0.0	4.6	
130	96.5	74.1	111.1	





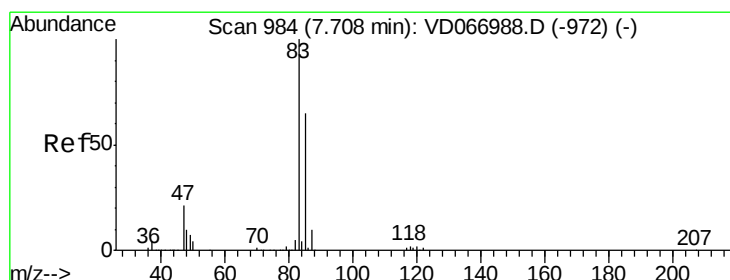
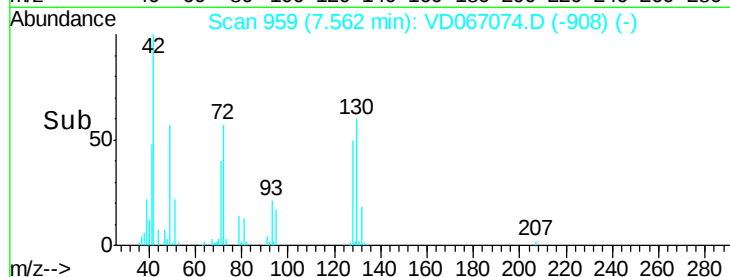
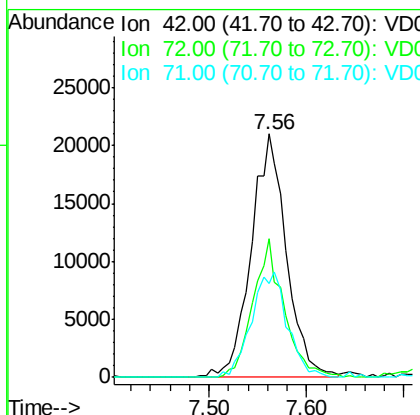
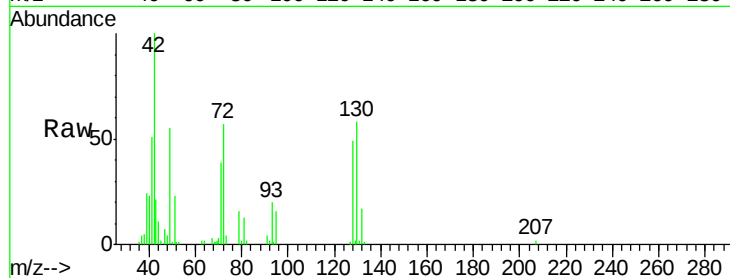
#29
Tetrahydrofuran
Concen: 94.245 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD067074.D
Acq: 05 Oct 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VD1005SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.3	39.1	58.7
71	44.1	34.2	51.4

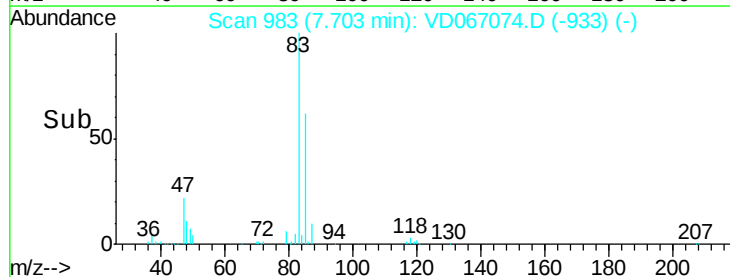
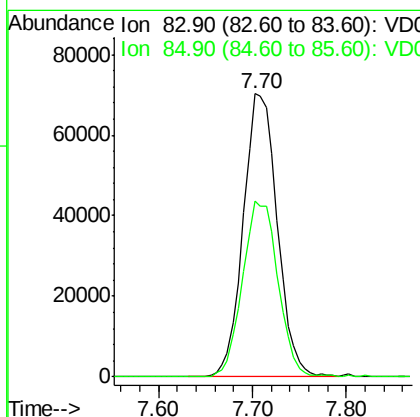
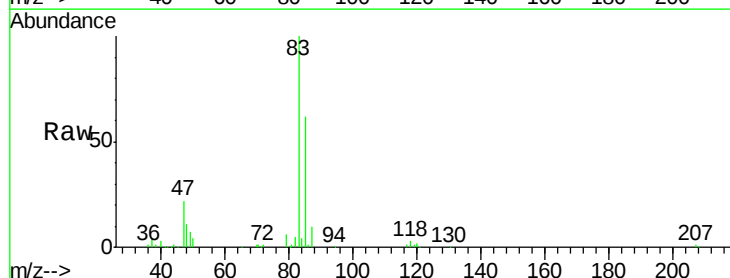
Manual Integrations
APPROVED

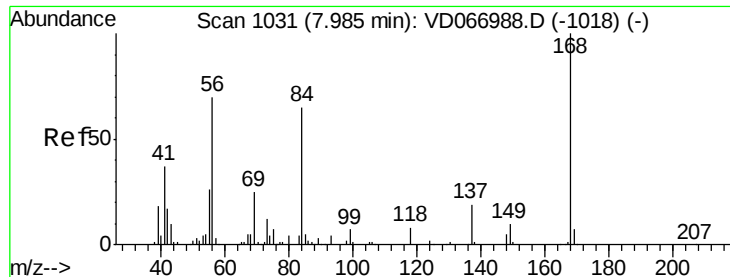
MMDadoda
10/6/2020 12:55:05 PM



#30
Chloroform
Concen: 19.949 ug/l
RT: 7.70 min Scan# 983
Delta R.T. -0.01 min
Lab File: VD067074.D
Acq: 05 Oct 2020 10:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.0	52.3	78.5





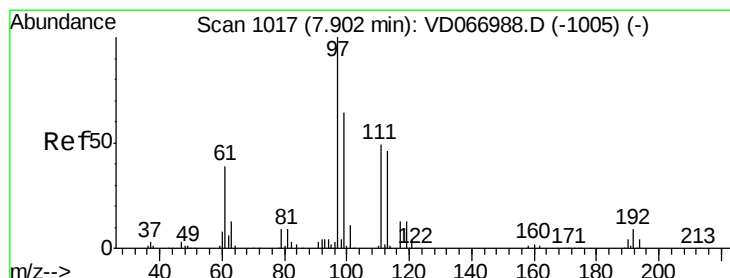
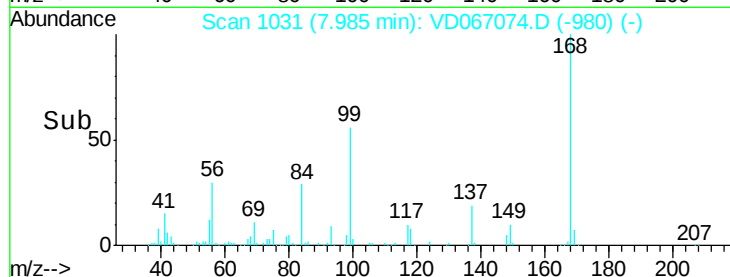
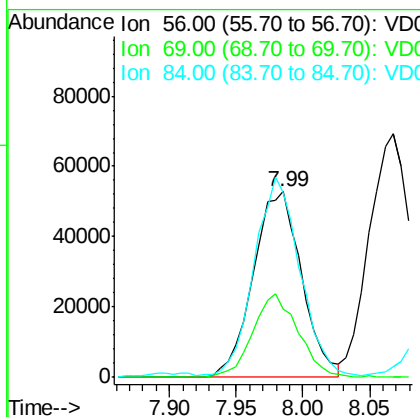
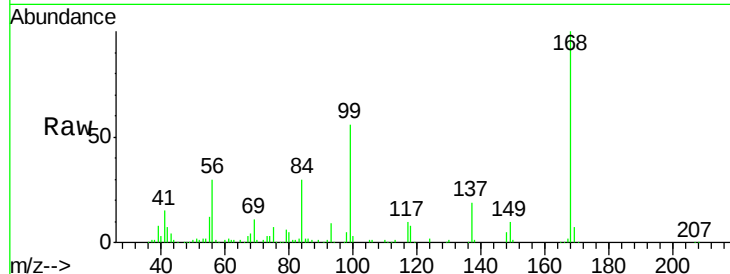
#31
Cyclohexane
Concen: 19.514 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067074.D
Acq: 05 Oct 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VD1005SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.8	29.0	43.6
84	96.9	74.2	111.2

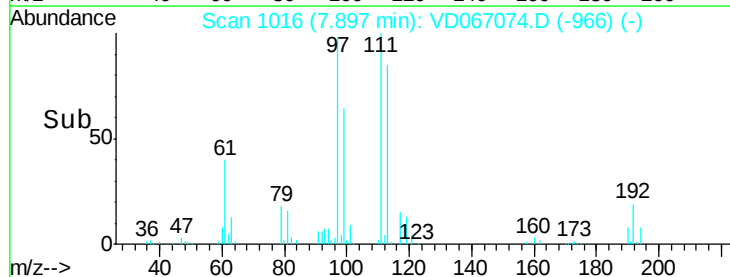
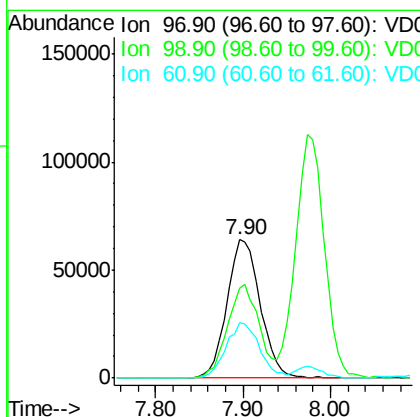
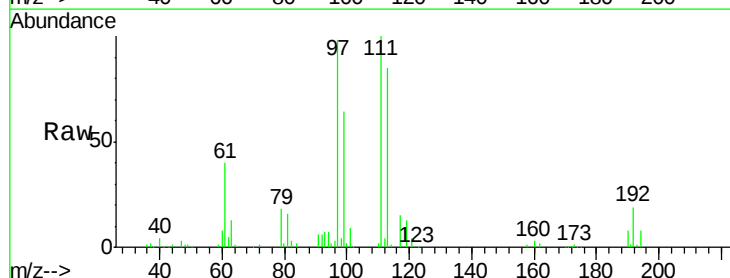
Manual Integrations
APPROVED

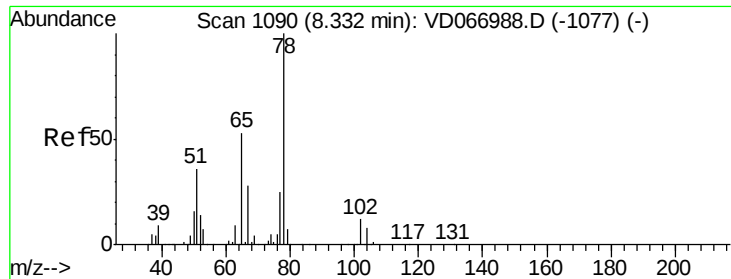
MMDadoda
10/6/2020 12:55:05 PM



#32
1,1,1-Trichloroethane
Concen: 20.199 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VD067074.D
Acq: 05 Oct 2020 10:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.7	52.6	78.8
61	39.9	32.8	49.2





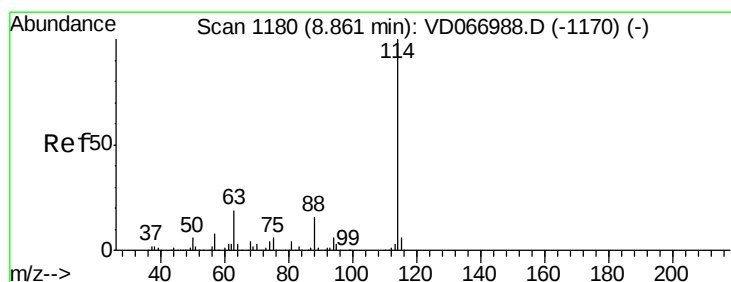
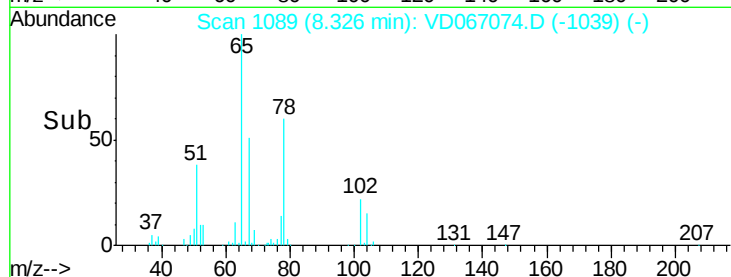
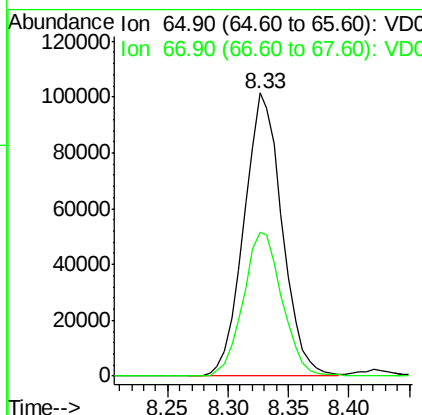
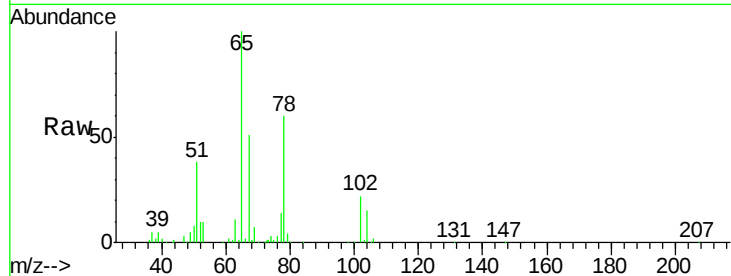
#33
 1,2-Dichloroethane-d4
 Concen: 48.955 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD067074.D
 Acq: 05 Oct 2020 10:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1005SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	222457		
67	52.1	0.0	106.8	

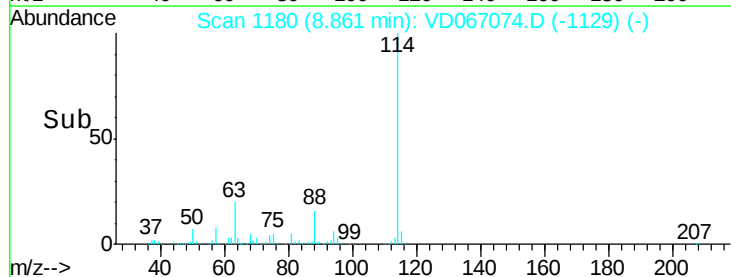
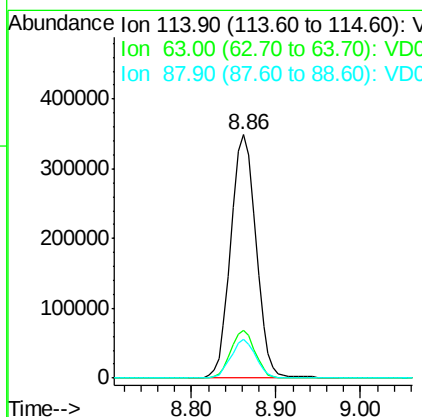
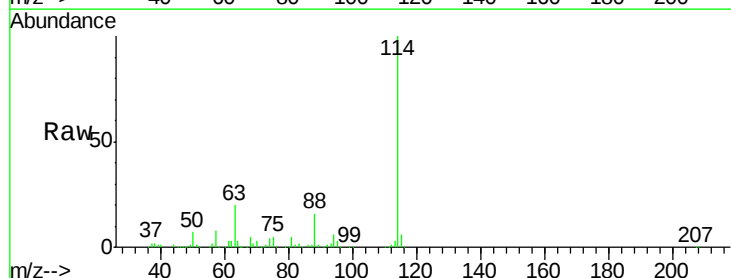
Manual Integrations
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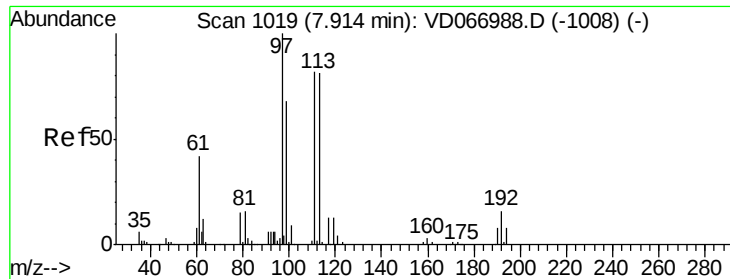
MMDadoda
 10/6/2020 12:55:05 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD067074.D
 Acq: 05 Oct 2020 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	719816		
63	19.5	0.0	38.4	
88	15.7	0.0	31.2	





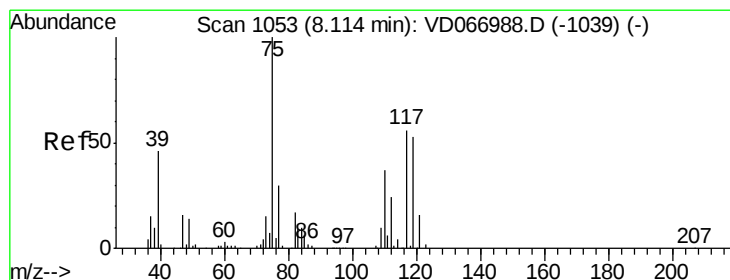
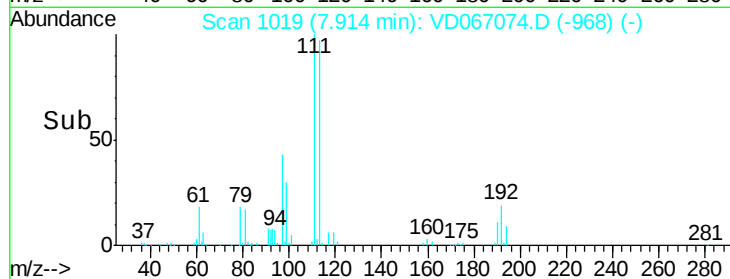
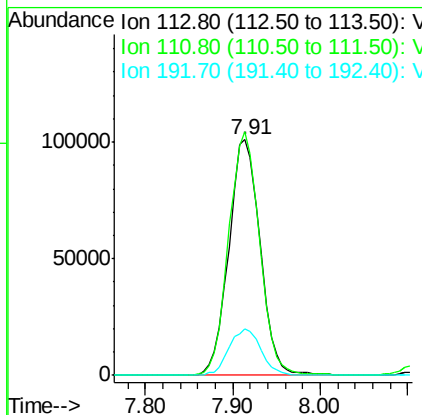
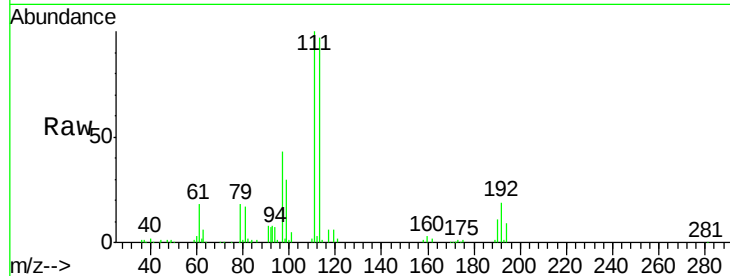
#35
Dibromofluoromethane
Concen: 52.179 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD067074.D
Acq: 05 Oct 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VD1005SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	245893		
111	102.2	83.0	124.4	
192	20.1	15.5	23.3	

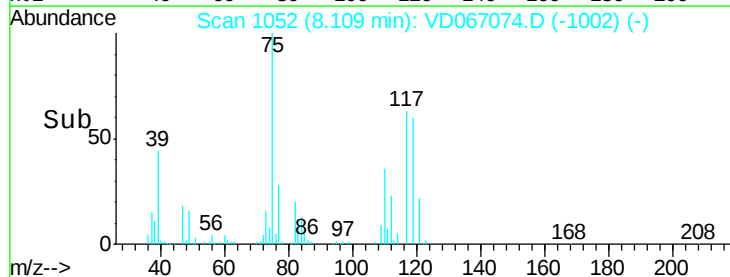
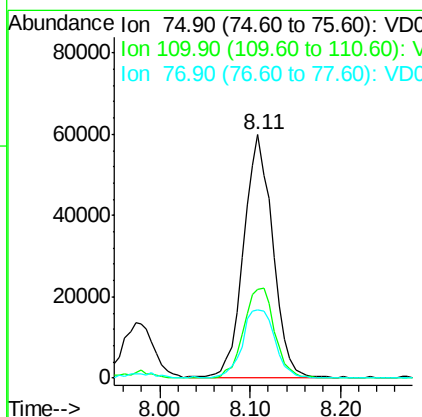
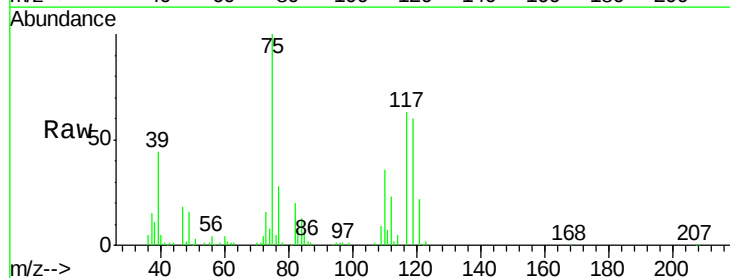
Manual Integrations
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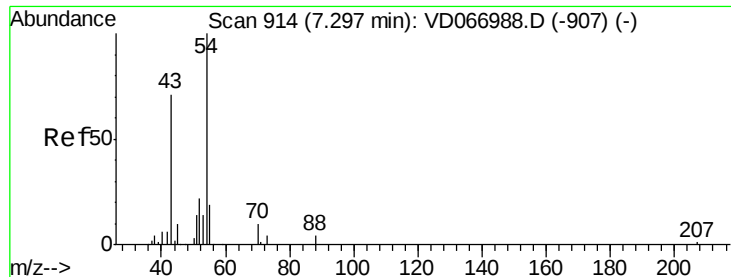
MMDadoda
10/6/2020 12:55:05 PM



#36
1,1-Dichloropropene
Concen: 19.748 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD067074.D
Acq: 05 Oct 2020 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	132501		
110	39.4	18.4	55.0	
77	32.1	24.8	37.2	





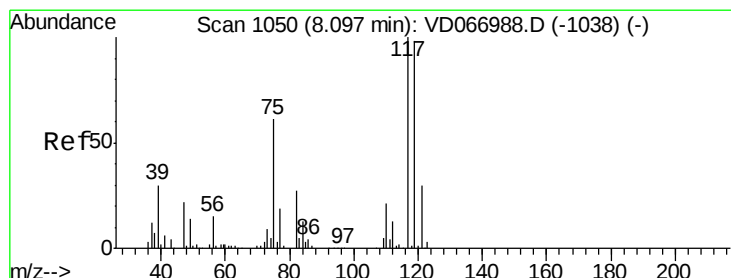
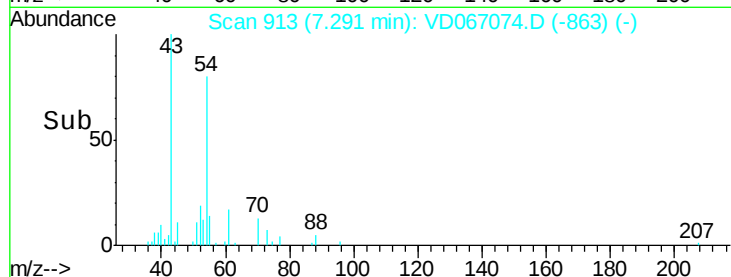
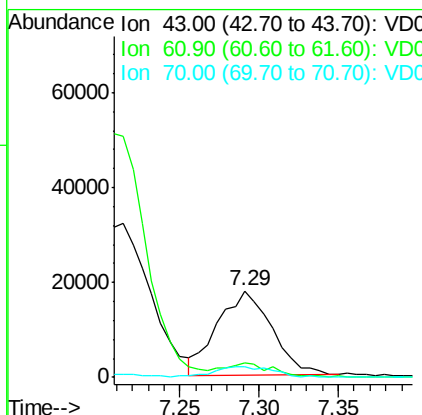
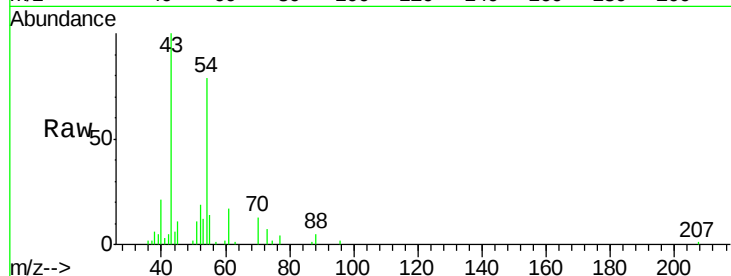
#37
Ethyl Acetate
Concen: 18.199 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067074.D
Acq: 05 Oct 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VD1005SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.3	12.5	18.7
70	14.5	9.4	14.0

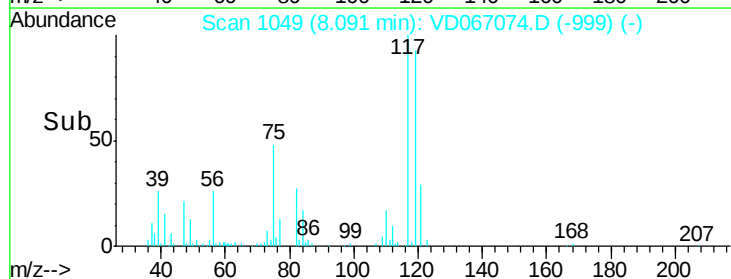
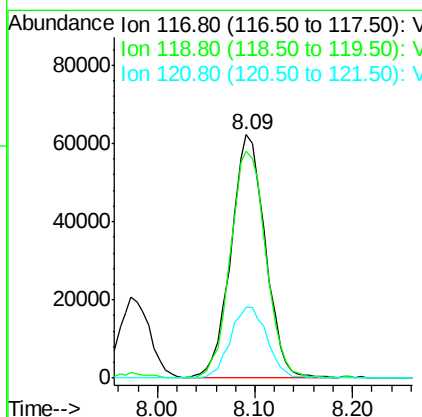
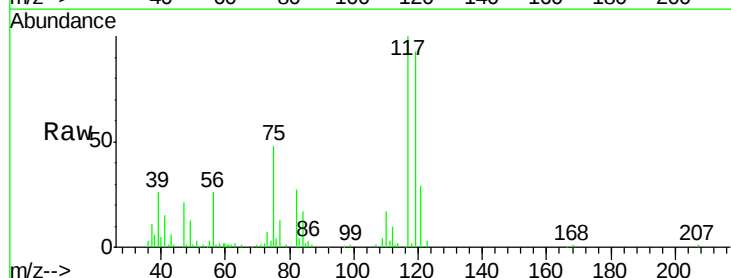
Manual Integrations
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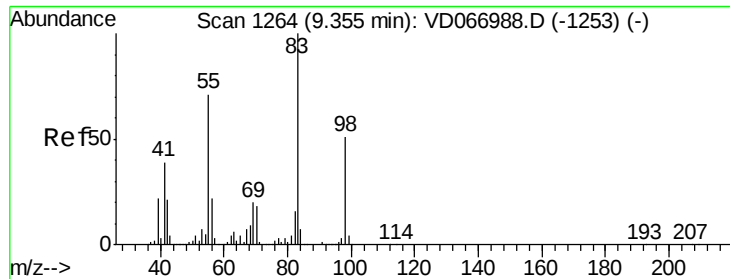
MMDadoda
10/6/2020 12:55:05 PM



#38
Carbon Tetrachloride
Concen: 20.957 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD067074.D
Acq: 05 Oct 2020 10:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.5	78.7	118.1
121	28.9	24.2	36.2





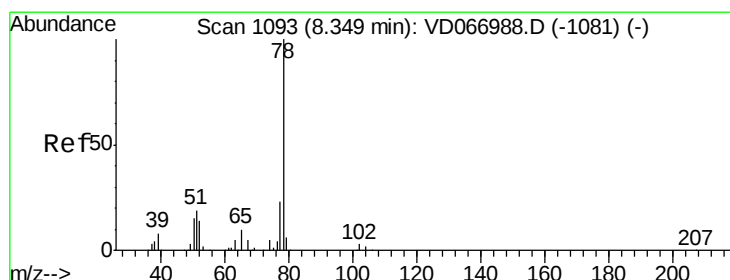
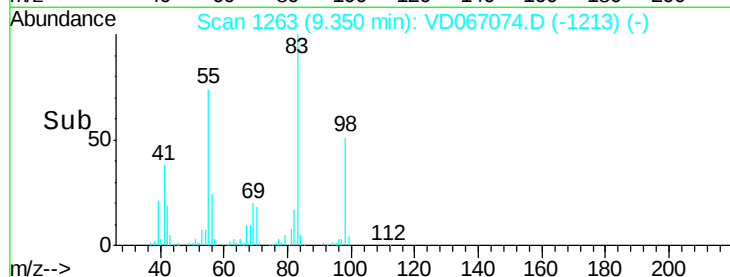
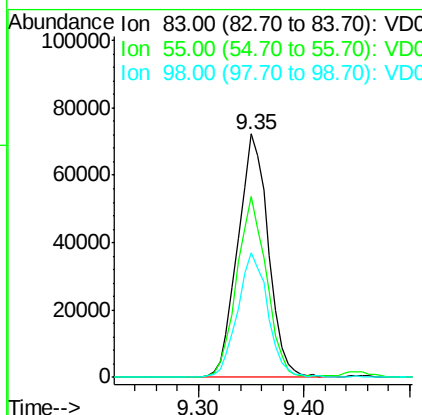
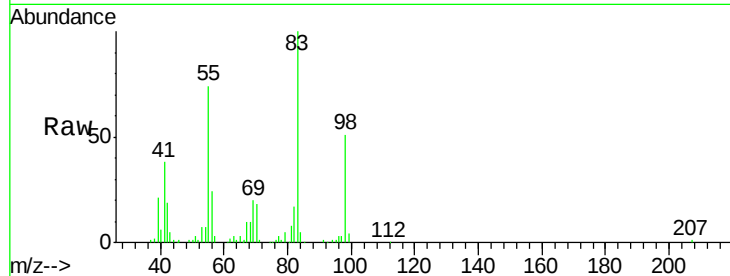
#39
Methvlcvclohexane
Concen: 20.508 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD067074.D
Acq: 05 Oct 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VD1005SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.4	57.1	85.7
98	50.9	40.9	61.3

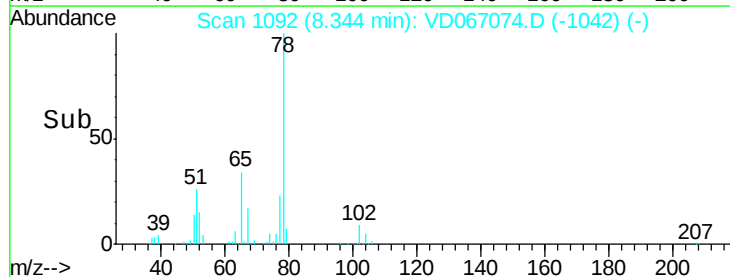
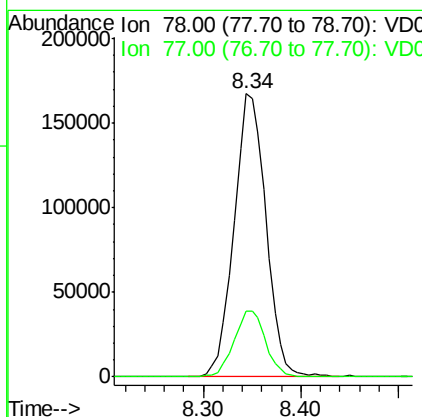
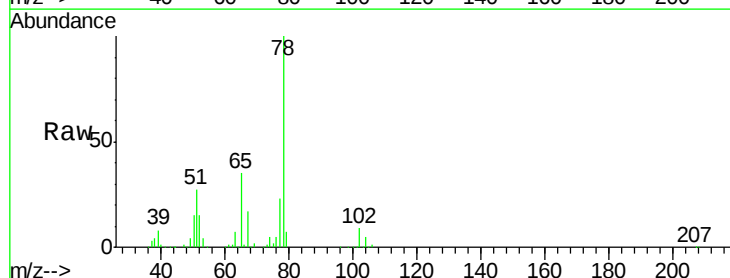
Manual Integrations
APPROVED

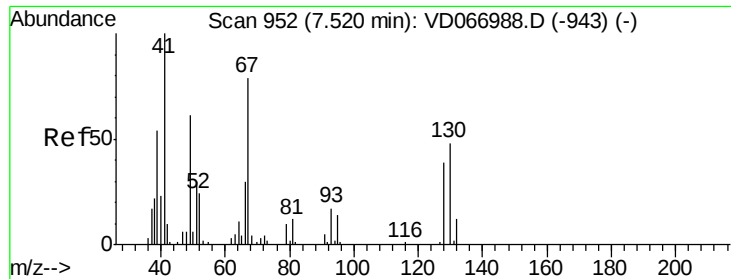
MMDadoda
10/6/2020 12:55:05 PM



#40
Benzene
Concen: 20.374 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VD067074.D
Acq: 05 Oct 2020 10:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.4	27.6





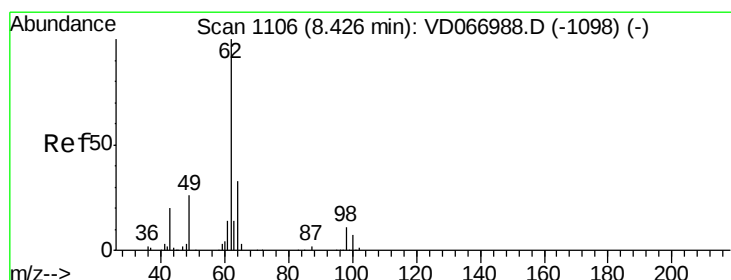
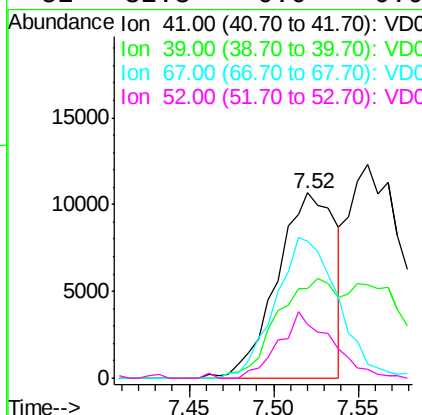
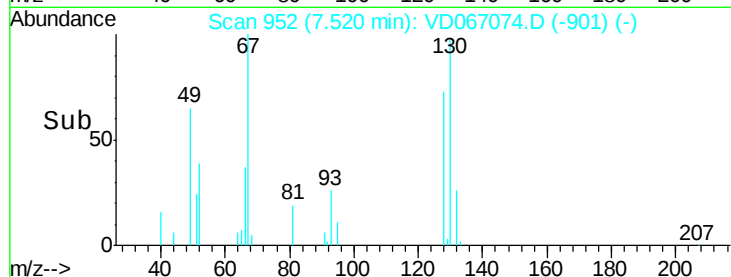
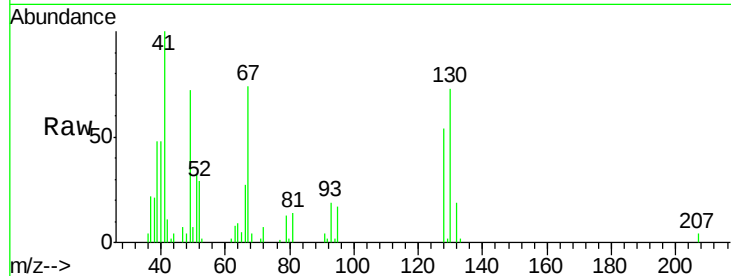
#41
Methacrylonitrile
Concen: 20.409 ug/l
RT: 7.52 min Scan# 952
Delta R.T. 0.00 min
Lab File: VD067074.D
Acq: 05 Oct 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VD1005SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.6	0.0	0.0#
67	81.9	0.0	0.0#
52	32.3	0.0	0.0#

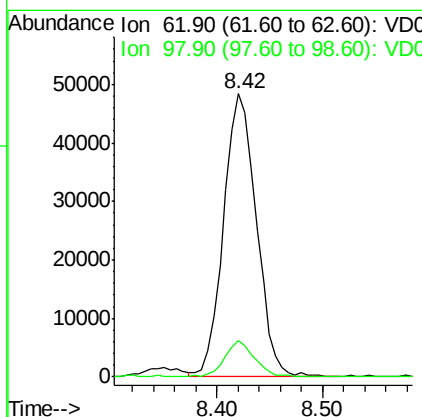
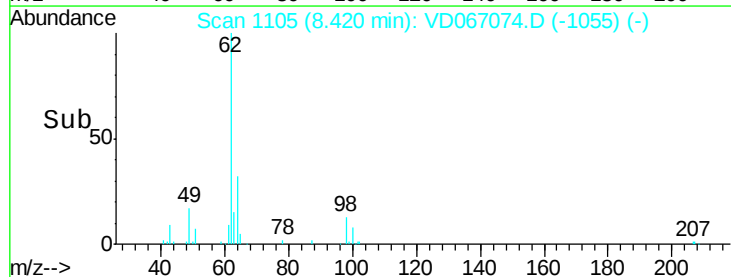
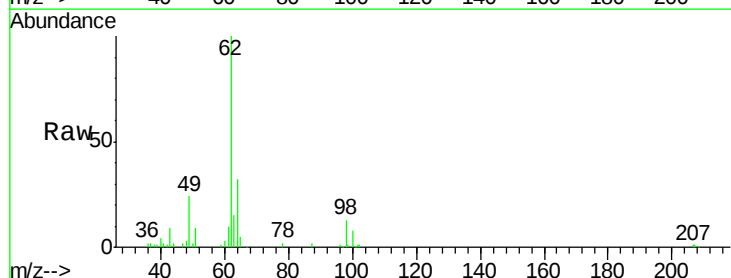
Manual Integrations
APPROVED

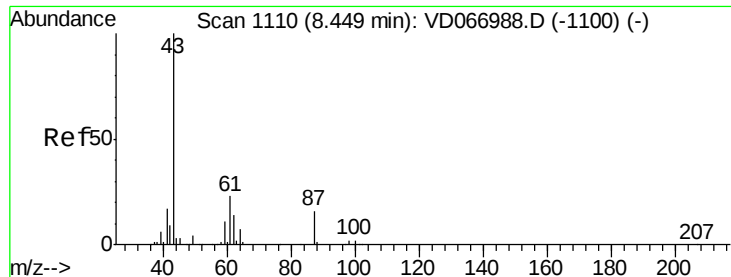
MMDadoda
10/6/2020 12:55:05 PM



#42
1,2-Dichloroethane
Concen: 20.066 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VD067074.D
Acq: 05 Oct 2020 10:57

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.4	0.0	22.6





#43

Isopropyl Acetate

Concen: 18.826 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD067074.D

Acq: 05 Oct 2020 10:57

Instrument :

MSVOA_D

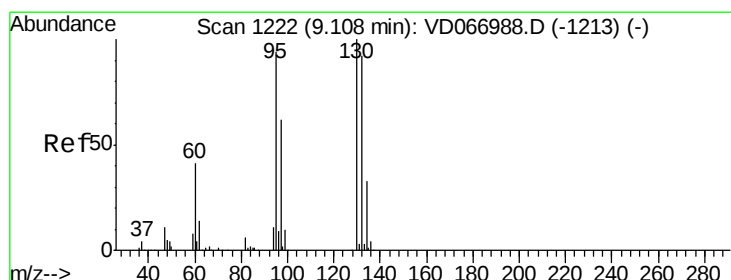
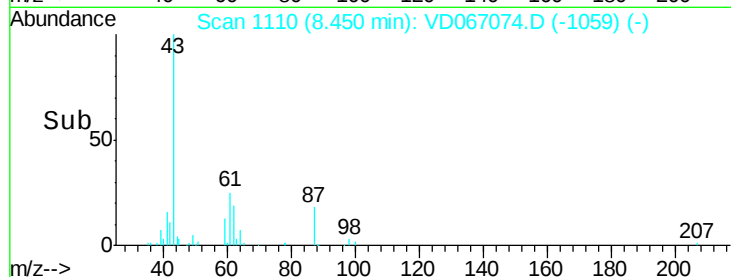
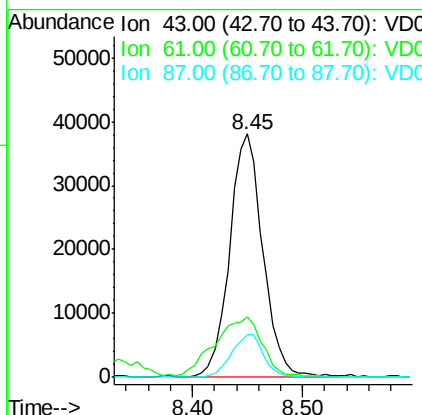
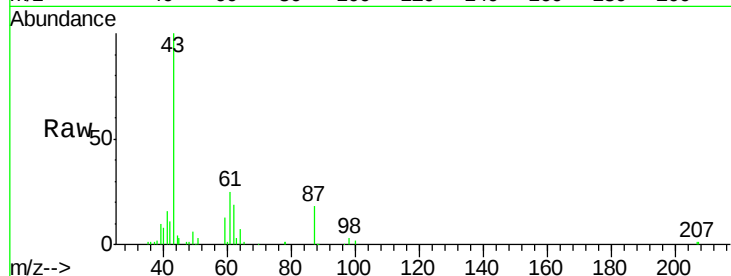
ClientSampleId :

VD1005SBS01

Tot Ion:	43	Resp:	80610
Ion	Ratio	Lower	Upper
43	100		
61	35.5	27.1	40.7
87	17.4	12.3	18.5

Manual Integrations
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MMDadoda
10/6/2020 12:55:05 PM



#44

Trichloroethene

Concen: 20.888 ug/l

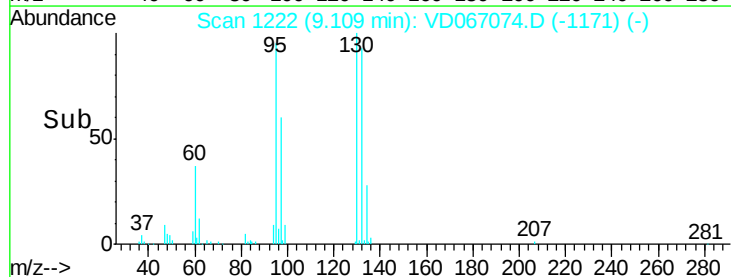
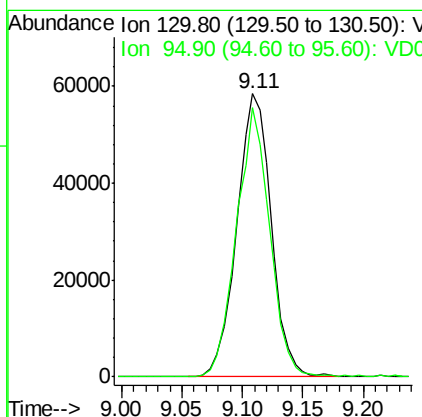
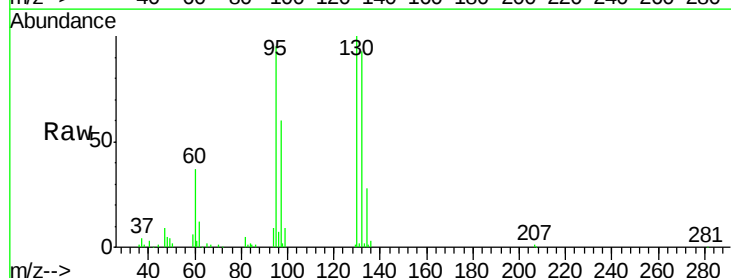
RT: 9.11 min Scan# 1222

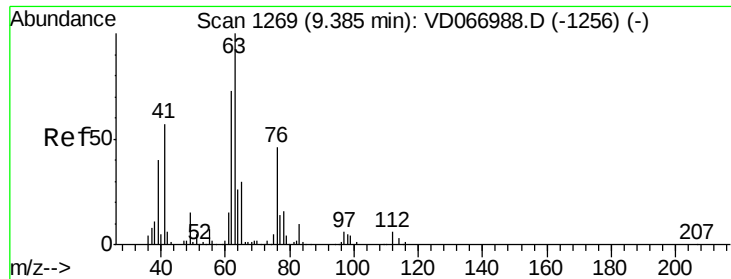
Delta R.T. 0.00 min

Lab File: VD067074.D

Acq: 05 Oct 2020 10:57

Tgt Ion:	130	Resp:	116240
Ion	Ratio	Lower	Upper
130	100		
95	95.2	0.0	187.8





#45

1,2-Dichloropropane

Concen: 20.739 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD067074.D

Acq: 05 Oct 2020 10:57

Instrument :

MSVOA_D

ClientSampleId :

VD1005SBS01

Tot Ion: 63 Resp: 90811

Ion Ratio Lower Upper

63 100

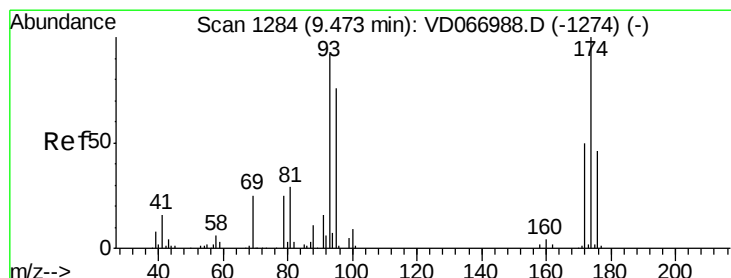
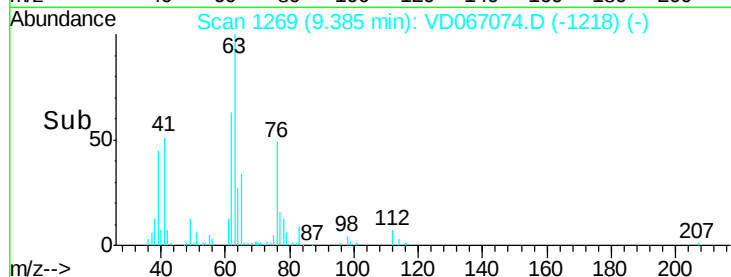
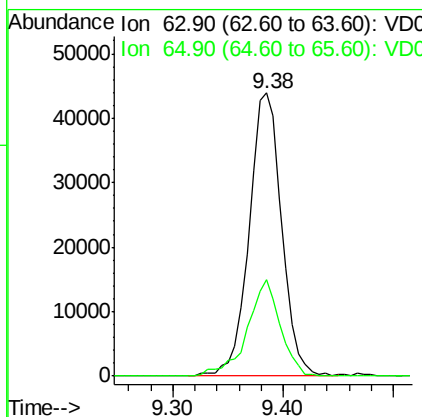
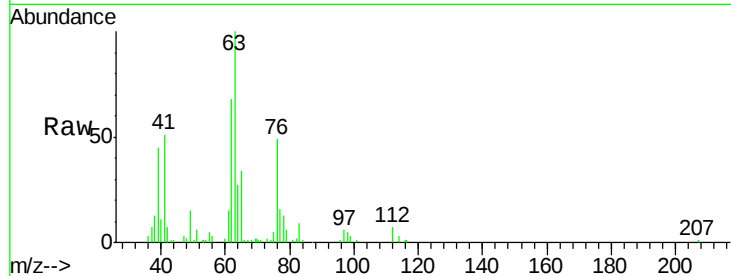
65 34.0 23.7 35.5

Manual Integrations

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MMDadoda

10/6/2020 12:55:05 PM



#46

Dibromomethane

Concen: 20.205 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD067074.D

Acq: 05 Oct 2020 10:57

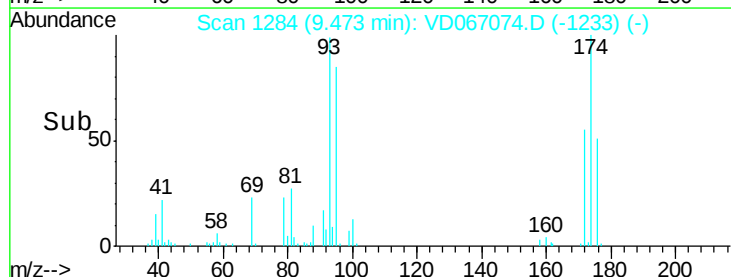
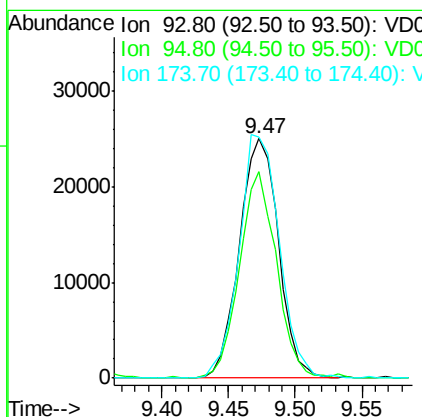
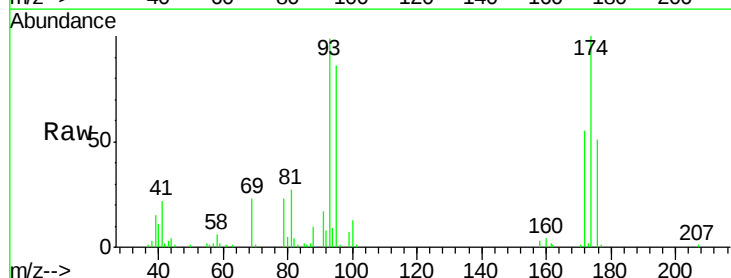
Tgt Ion: 93 Resp: 50849

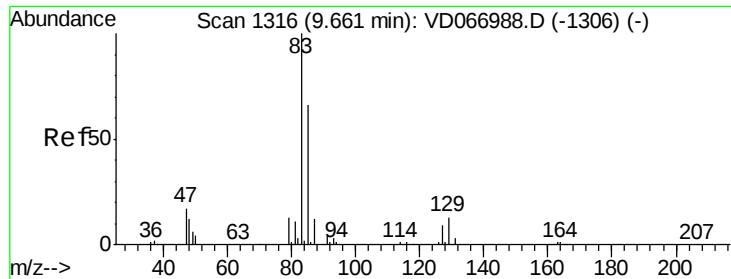
Ion Ratio Lower Upper

93 100

95 81.8 64.7 97.1

174 104.6 81.4 122.2





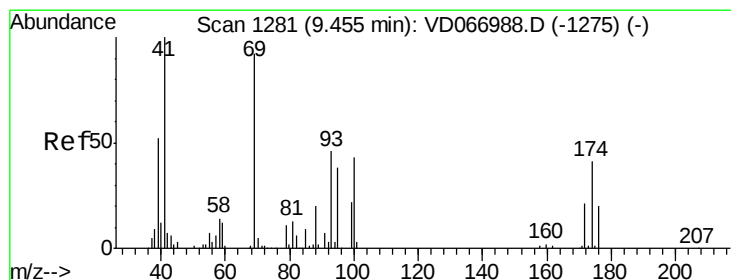
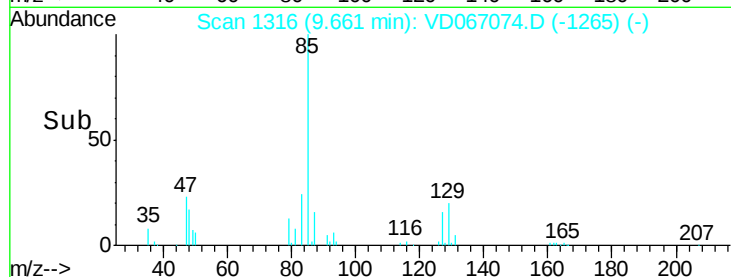
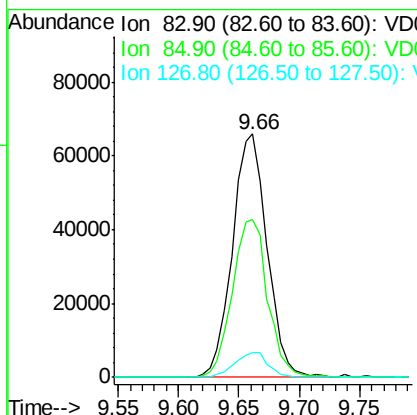
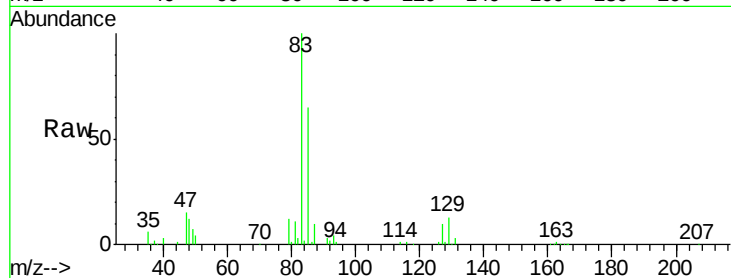
#47
Bromodichloromethane
Concen: 20.179 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VD067074.D
Acq: 05 Oct 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VD1005SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.9	79.3
127	10.3	7.3	10.9

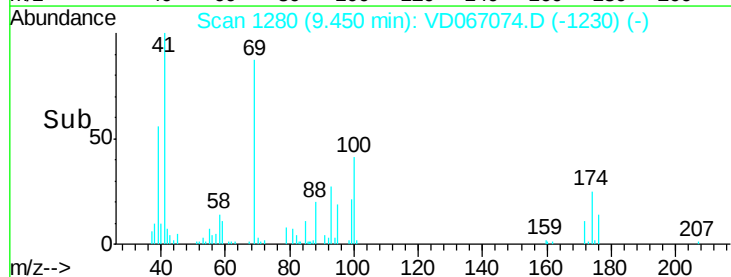
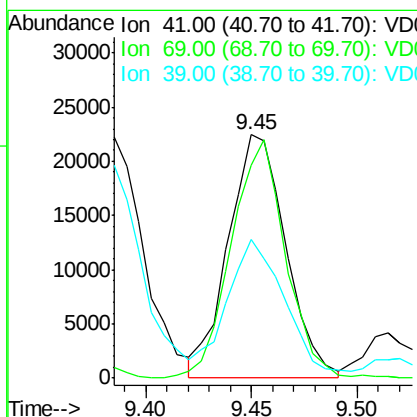
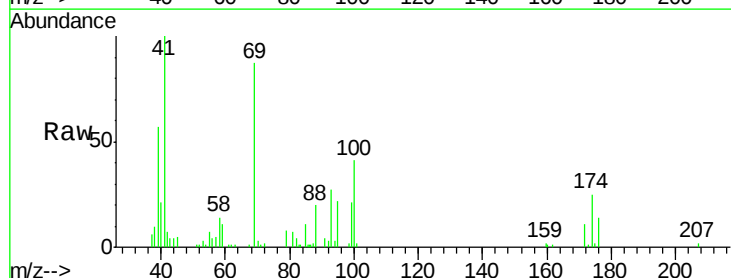
Manual Integrations
APPROVED

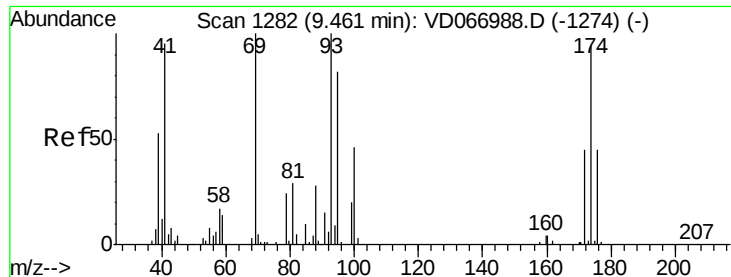
MMDadoda
10/6/2020 12:55:05 PM



#48
Methyl methacrylate
Concen: 19.351 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD067074.D
Acq: 05 Oct 2020 10:57

Tgt Ion	Ratio	Lower	Upper
41	100		
69	92.1	68.5	102.7
39	52.1	40.2	60.2





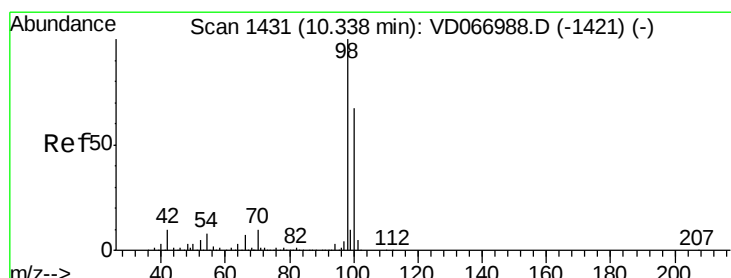
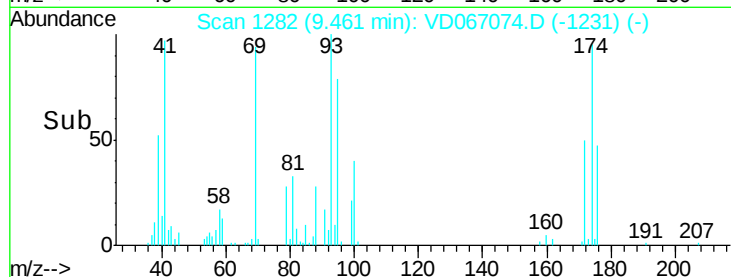
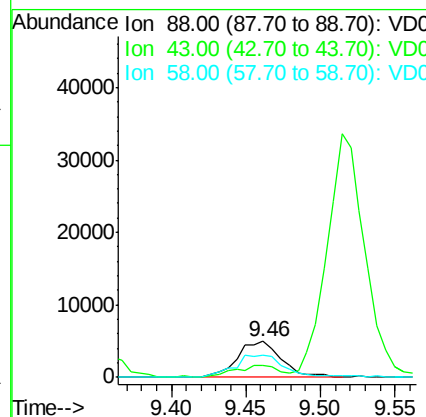
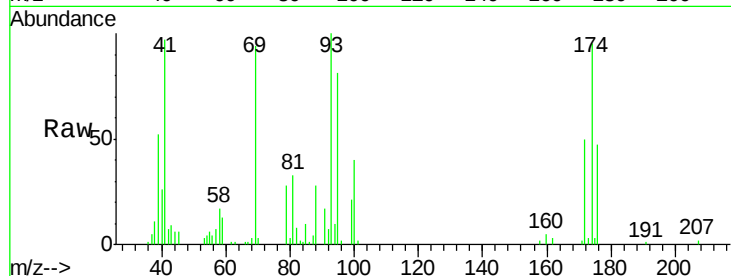
#49
1,4-Dioxane
Concen: 391.416 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067074.D
Acq: 05 Oct 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VD1005SBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	33.1	25.6	38.4	
58	72.0	53.5	80.3	

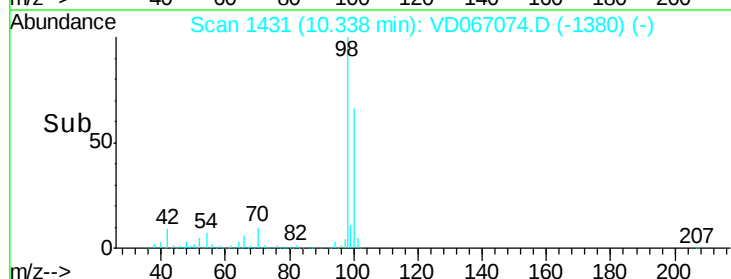
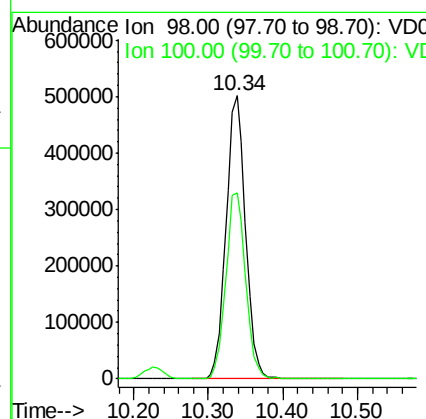
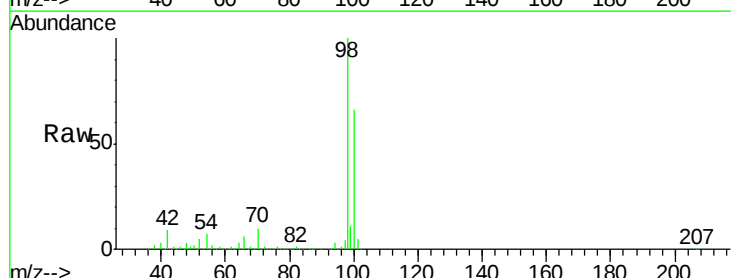
Manual Integrations
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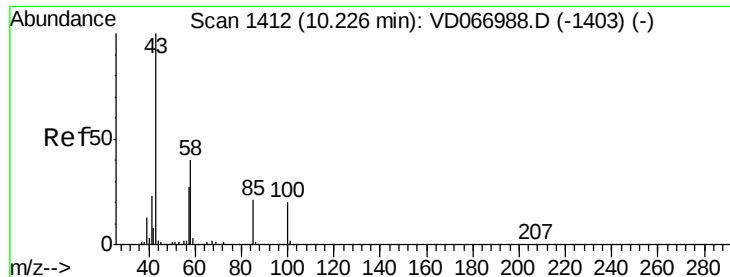
MMDadoda
10/6/2020 12:55:05 PM



#50
Toluene-d8
Concen: 53.028 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067074.D
Acq: 05 Oct 2020 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	66.9	52.8	79.2	





#51

4-Methyl-2-Pentanone

Concen: 96.774 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD067074.D

Acq: 05 Oct 2020 10:57

Instrument :

MSVOA_D

ClientSampleId :

VD1005SBS01

Tot Ion: 43 Resp: 206403

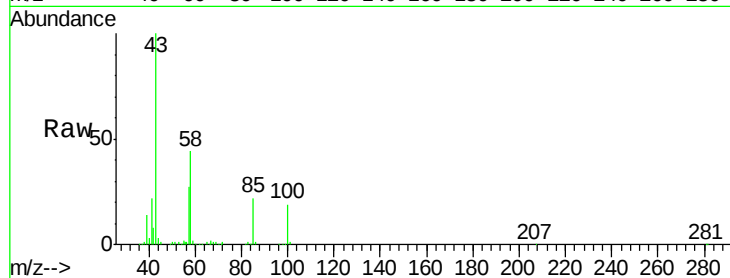
Ion Ratio Lower Upper

43 100

58 41.5 33.8 50.8

Manual Integrations
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MMDadoda
10/6/2020 12:55:05 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

120000

100000

80000

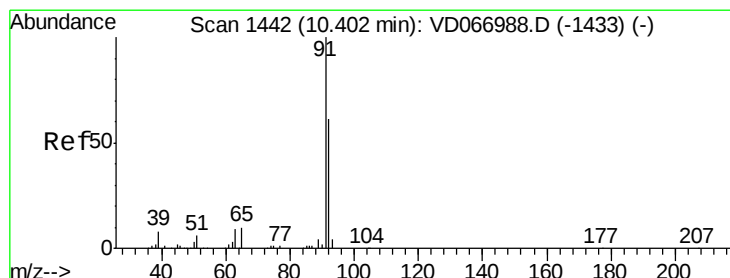
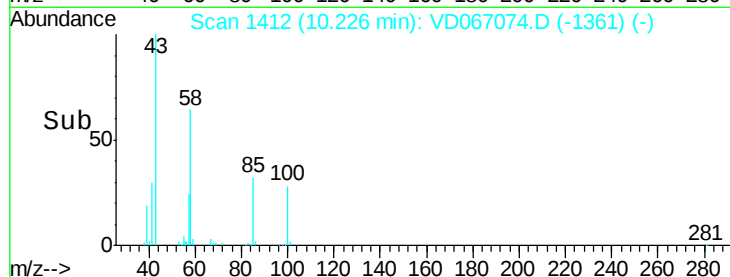
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 21.041 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD067074.D

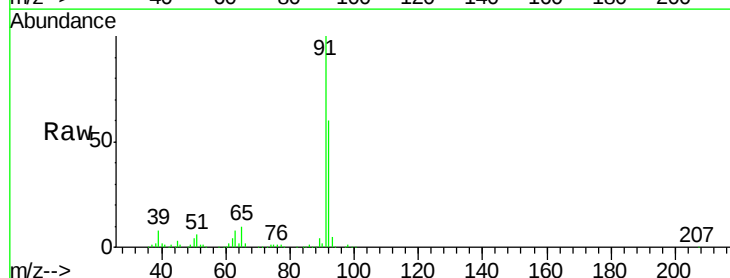
Acq: 05 Oct 2020 10:57

Tgt Ion: 92 Resp: 252591

Ion Ratio Lower Upper

92 100

91 169.9 135.1 202.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.40

250000

200000

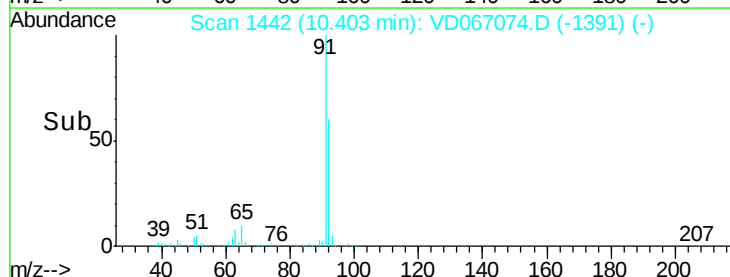
150000

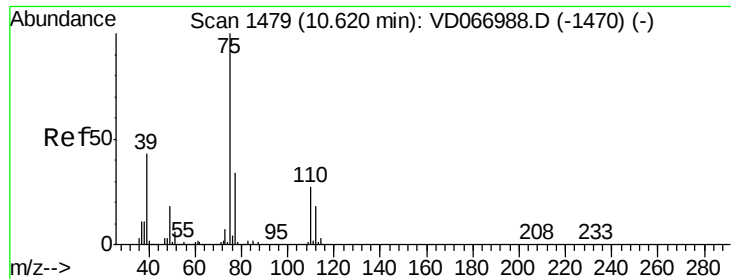
100000

50000

0

Time-->





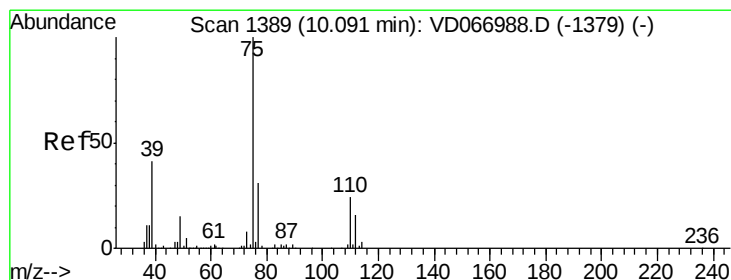
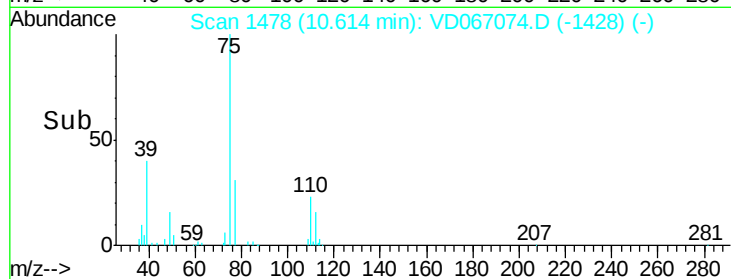
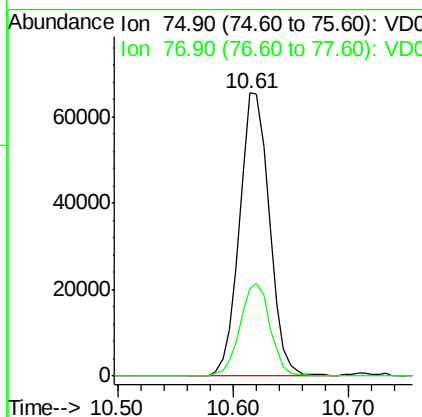
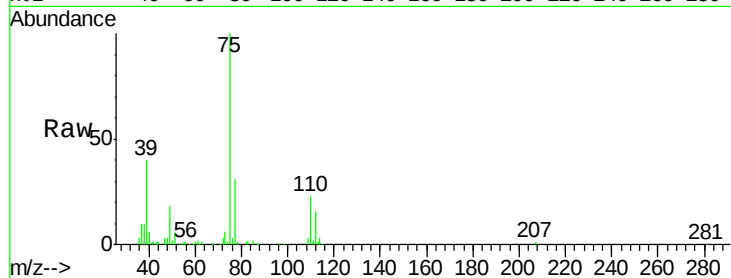
#53
t-1,3-Dichloropropene
Concen: 20.252 ug/l
RT: 10.61 min Scan# 1478
Delta R.T. -0.01 min
Lab File: VD067074.D
Acq: 05 Oct 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VD1005SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	27.1	40.7

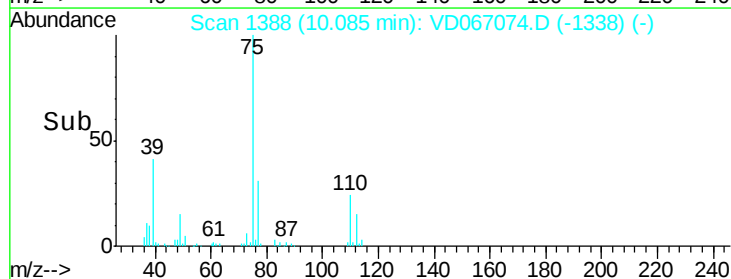
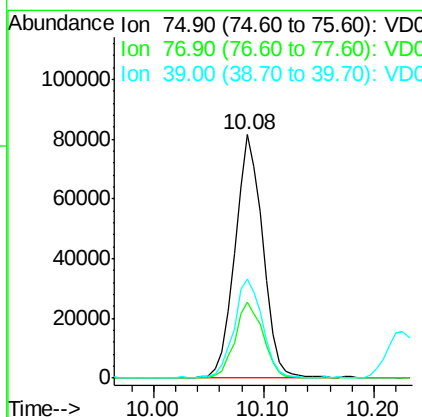
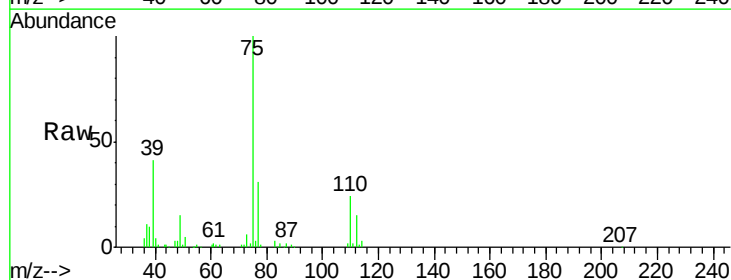
Manual Integrations
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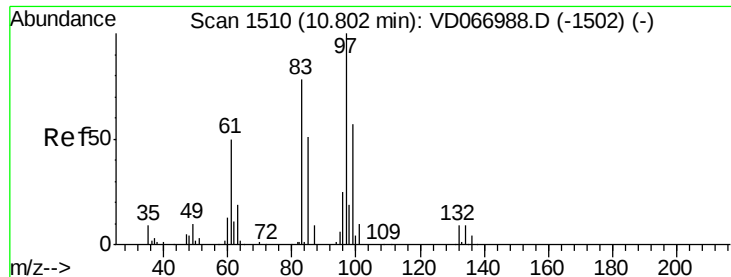
MMDadoda
10/6/2020 12:55:05 PM



#54
cis-1,3-Dichloropropene
Concen: 20.197 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. -0.01 min
Lab File: VD067074.D
Acq: 05 Oct 2020 10:57

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.6	37.0
39	40.5	33.0	49.4





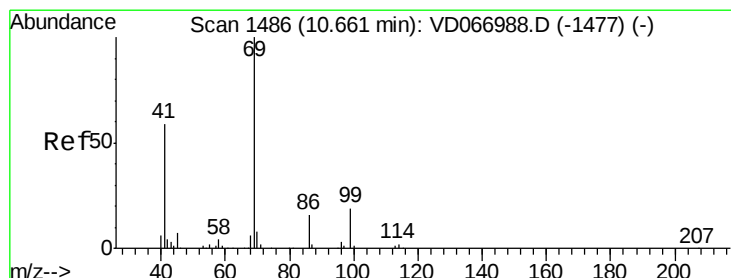
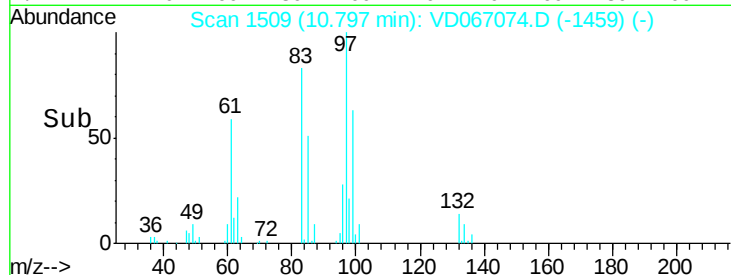
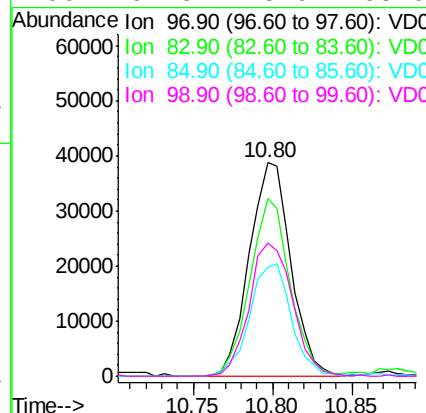
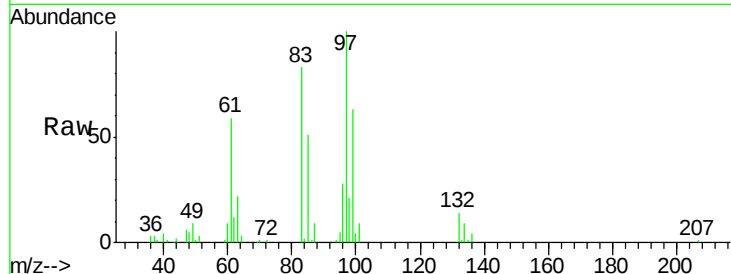
#55
 1,1,2-Trichloroethane
 Concen: 20.223 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD067074.D
 Acq: 05 Oct 2020 10:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1005SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		70761		
83	83.3	62.4	93.6		
85	50.8	41.0	61.4		
99	62.6	45.9	68.9		

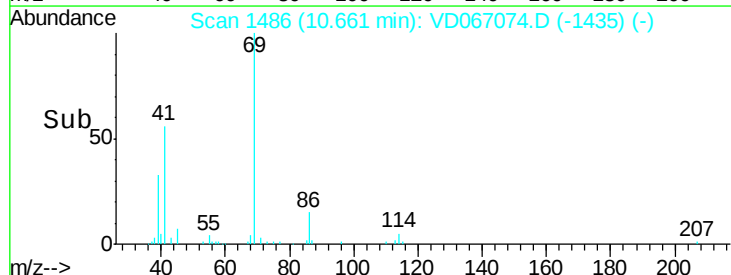
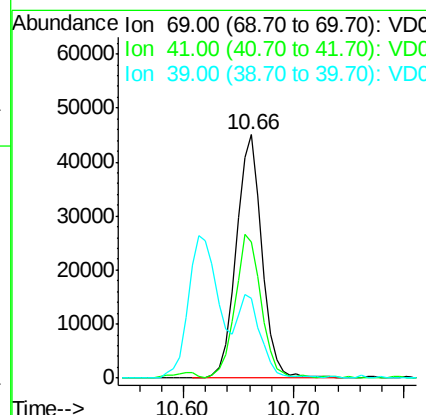
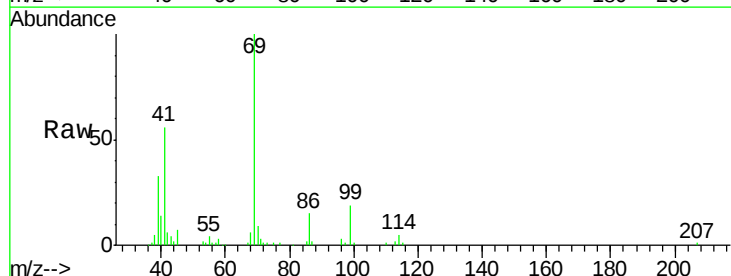
Manual Integrations
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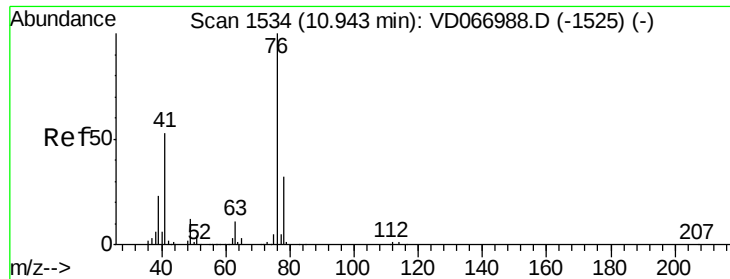
MMDadoda
 10/6/2020 12:55:05 PM



#56
 Ethyl methacrylate
 Concen: 20.272 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD067074.D
 Acq: 05 Oct 2020 10:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		73232		
41	59.4	46.4	69.6		
39	28.9	23.8	35.6		





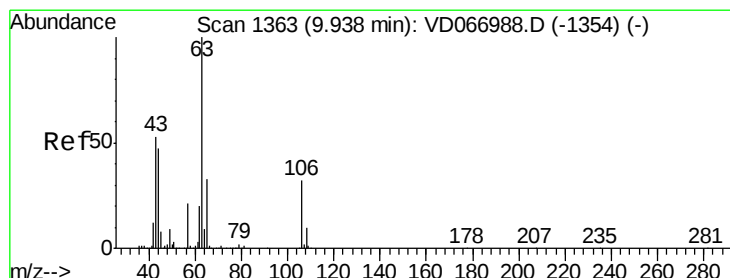
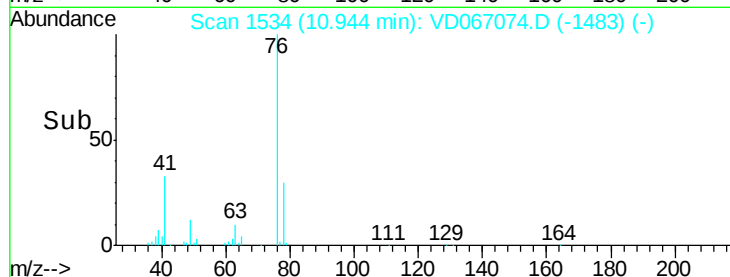
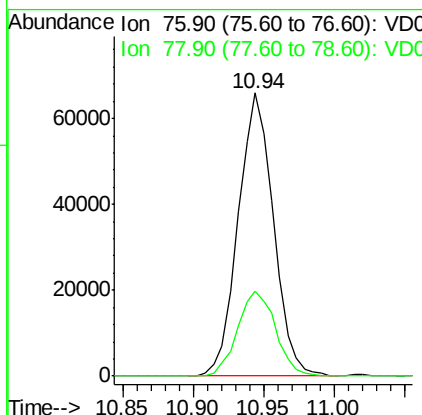
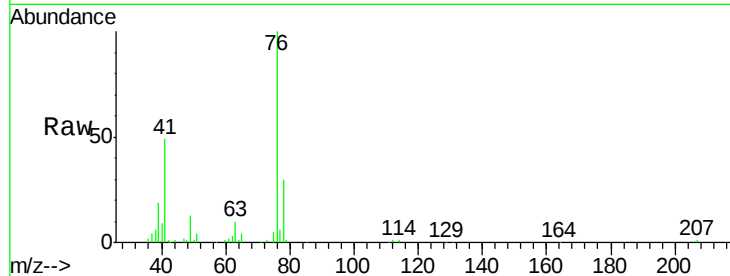
#57
 1,3-Dichloropropane
 Concen: 20.325 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD067074.D
 Acq: 05 Oct 2020 10:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1005SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.8

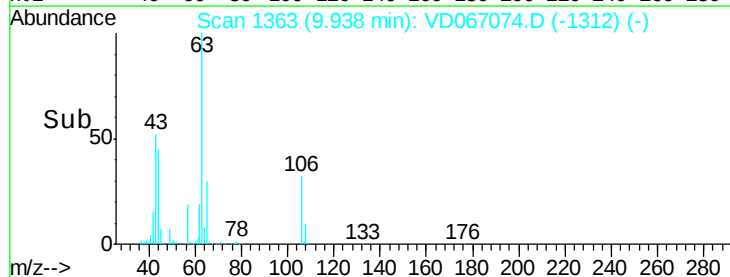
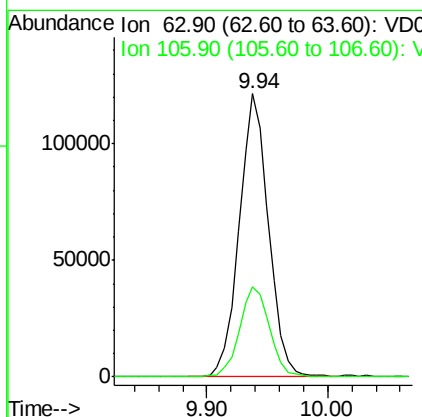
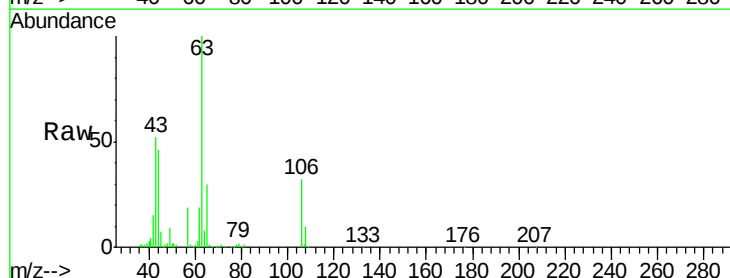
Manual Integrations
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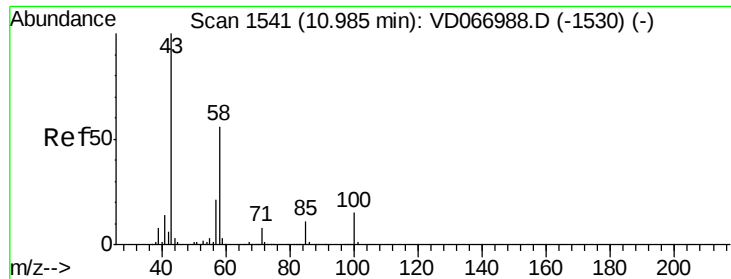
MMDadoda
 10/6/2020 12:55:05 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.911 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD067074.D
 Acq: 05 Oct 2020 10:57

Tgt Ion	Ratio	Lower	Upper
63	100		
106	32.6	25.3	37.9





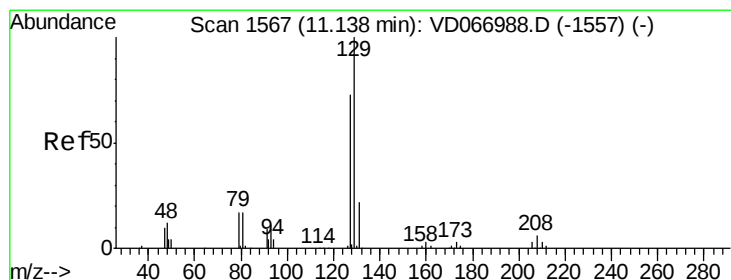
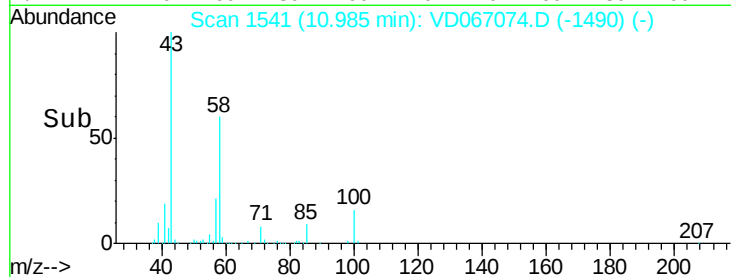
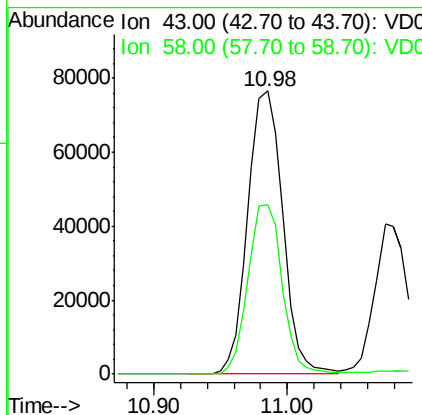
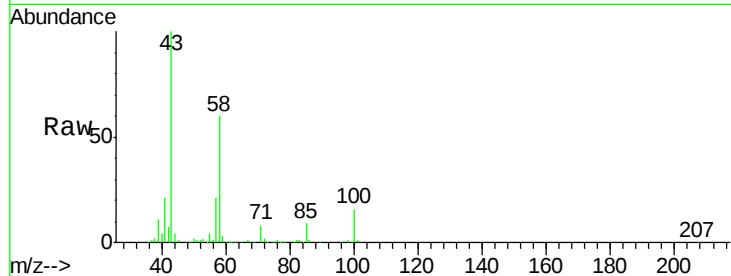
#59
2-Hexanone
Concen: 97.750 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD067074.D
Acq: 05 Oct 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VD1005SBS01

Tot Ion: 43 Resp: 139151
Ion Ratio Lower Upper
43 100
58 58.2 28.3 84.9

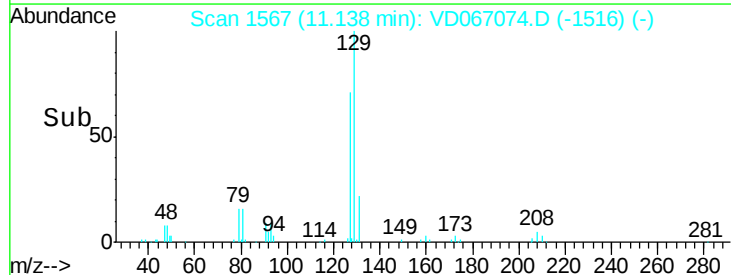
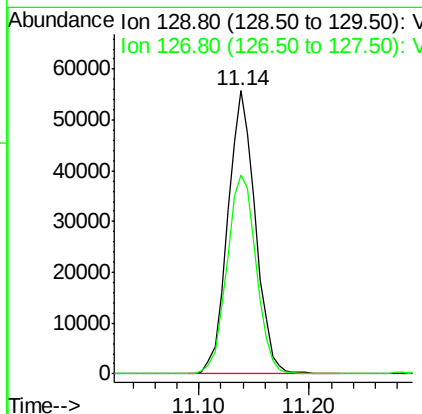
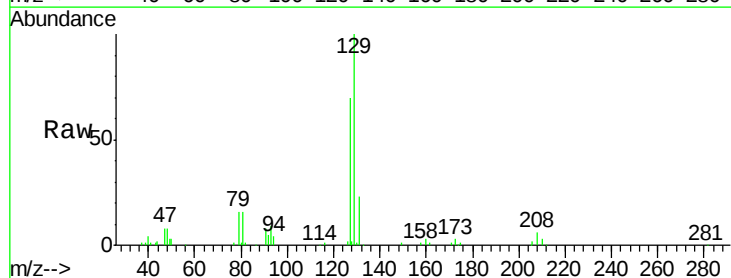
Manual Integrations
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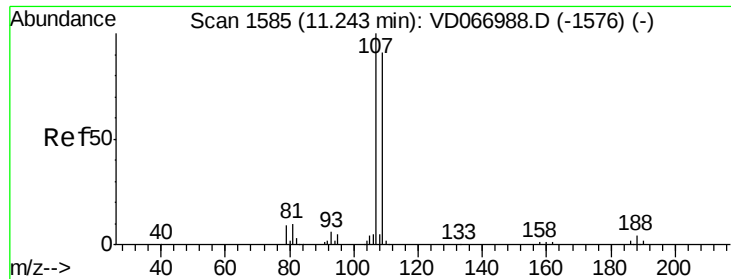
MMDadoda
10/6/2020 12:55:05 PM



#60
Dibromochloromethane
Concen: 20.911 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD067074.D
Acq: 05 Oct 2020 10:57

Tgt Ion: 129 Resp: 97518
Ion Ratio Lower Upper
129 100
127 74.5 37.4 112.1





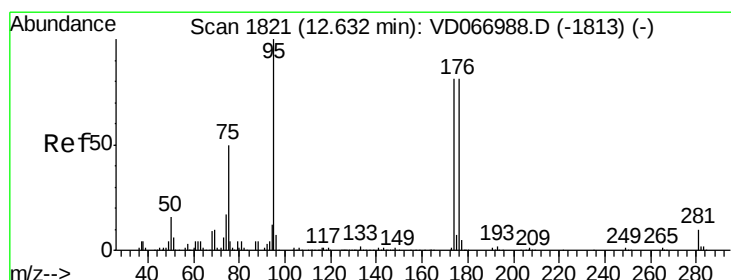
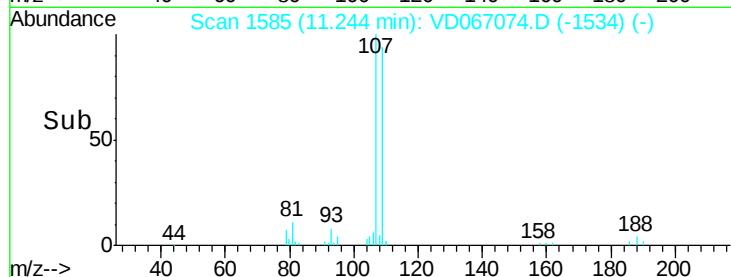
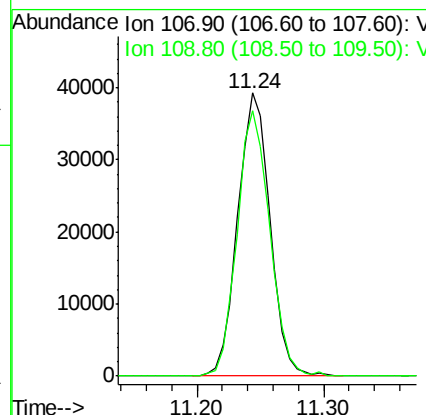
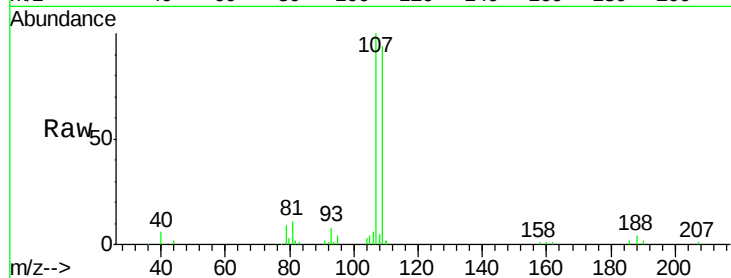
#61
 1,2-Dibromoethane
 Concen: 20.559 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD067074.D
 Acq: 05 Oct 2020 10:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1005SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	74.0	111.0

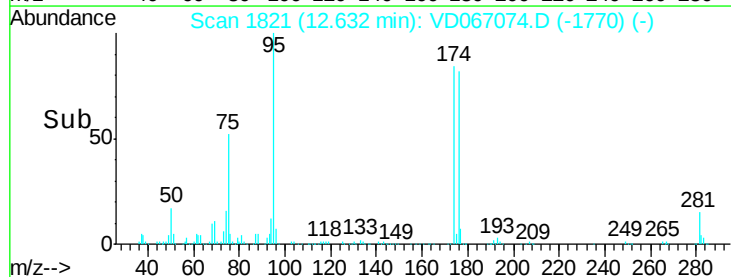
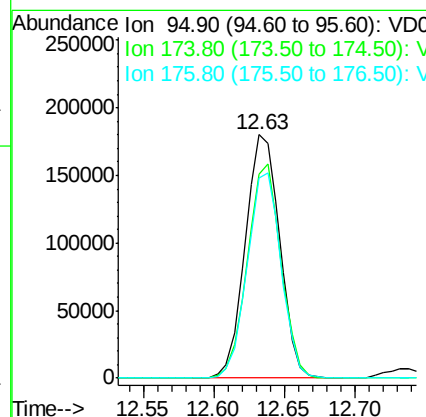
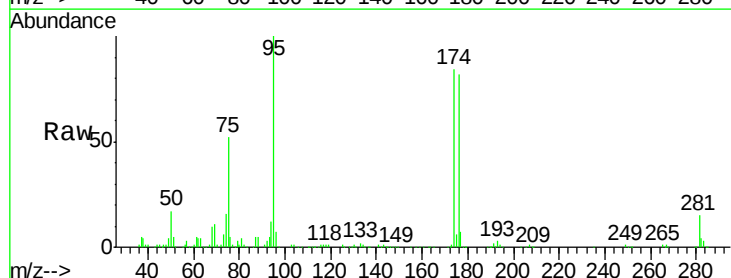
Manual Integrations
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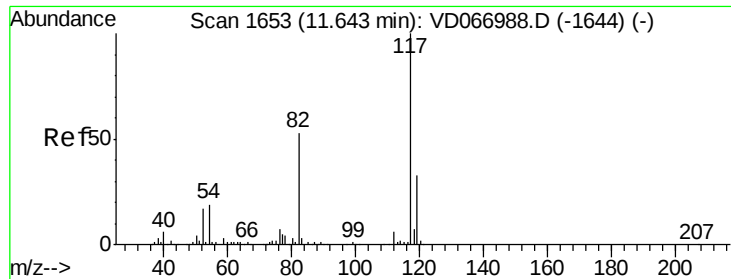
MMDadoda
 10/6/2020 12:55:05 PM



#62
 4-Bromofluorobenzene
 Concen: 52.990 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD067074.D
 Acq: 05 Oct 2020 10:57

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.6	0.0	167.6
176	82.8	0.0	162.4





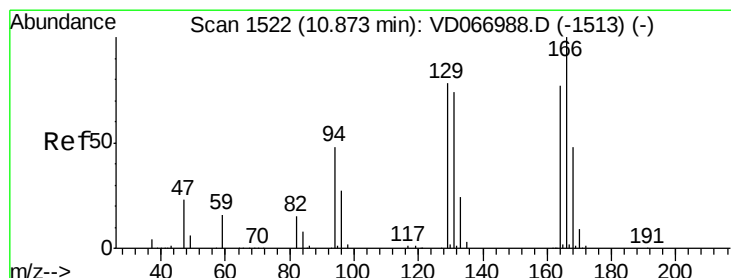
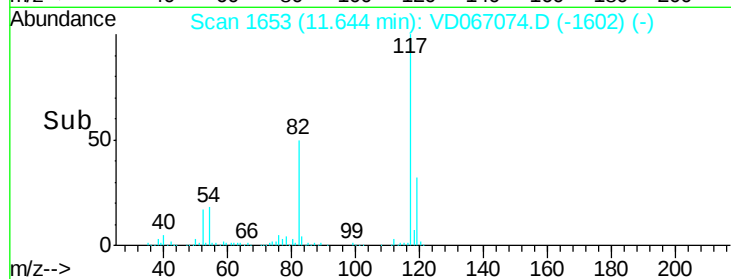
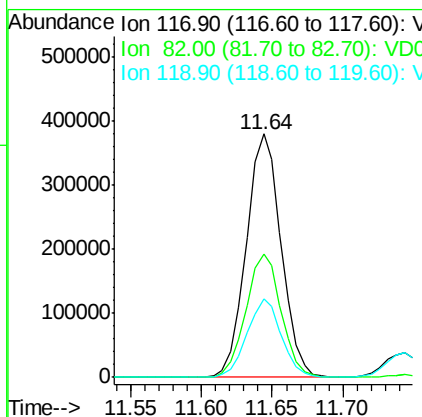
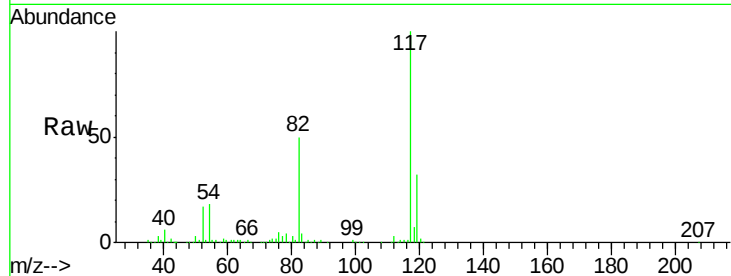
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067074.D
Acq: 05 Oct 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VD1005SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	658894		
82	50.5		42.6	63.8
119	32.0		26.3	39.5

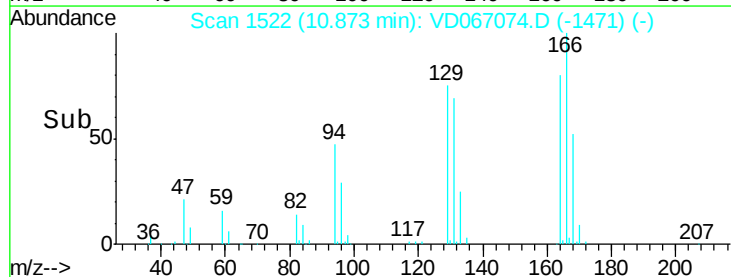
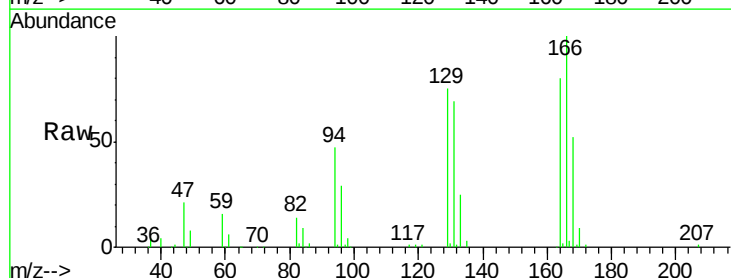
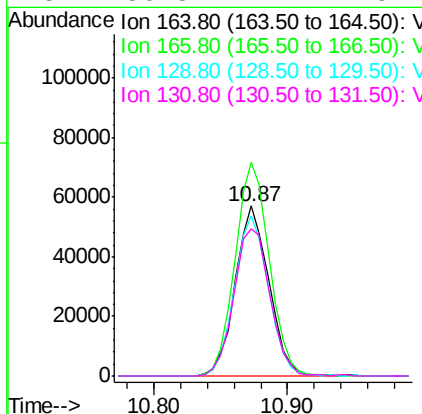
Manual Integrations
APPROVED

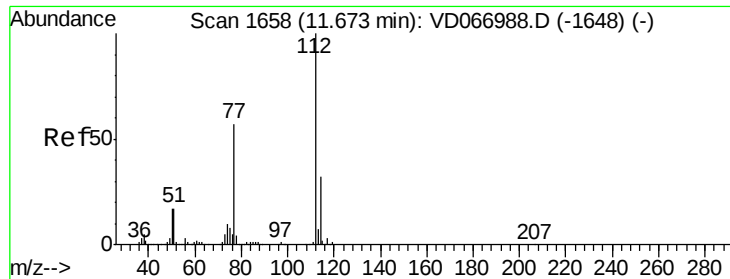
MMDadoda
10/6/2020 12:55:05 PM



#64
Tetrachloroethene
Concen: 20.797 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD067074.D
Acq: 05 Oct 2020 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	99620		
166	125.7		104.4	156.6
129	93.9		81.3	121.9
131	86.8		77.1	115.7





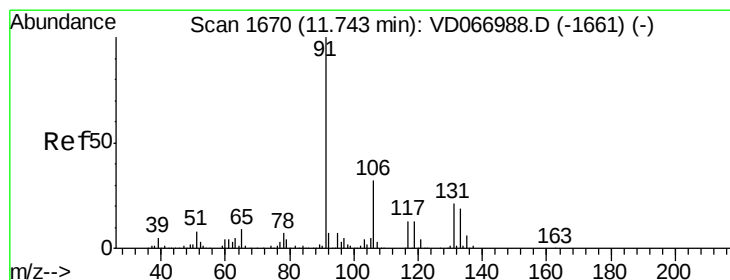
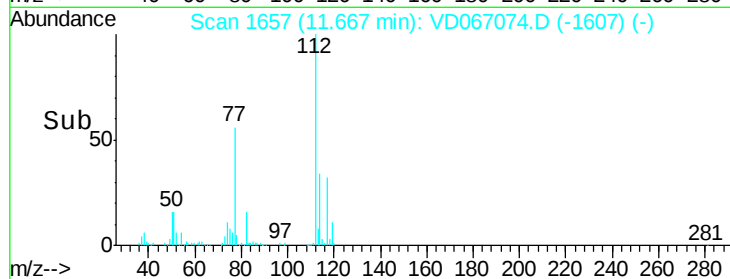
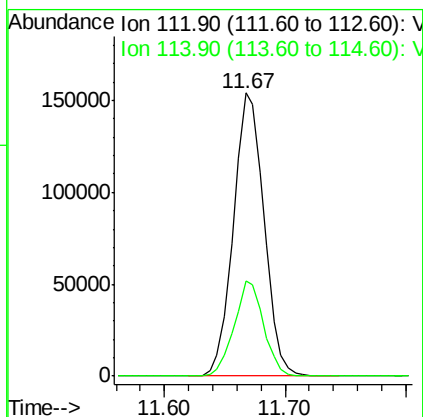
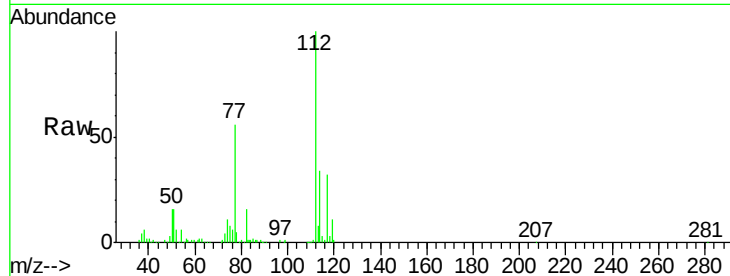
#65
Chlorobenzene
Concen: 20.777 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD067074.D
Acq: 05 Oct 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VD1005SBS01

Tot Ion:112 Resp: 272277
Ion Ratio Lower Upper
112 100
114 33.7 25.4 38.0

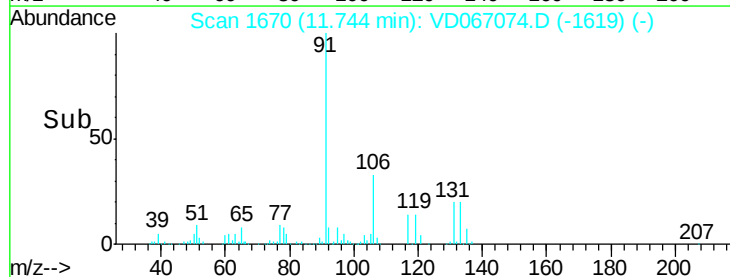
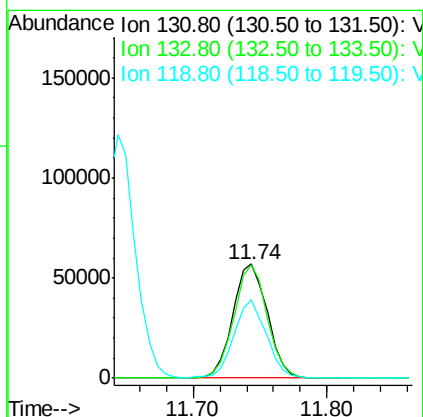
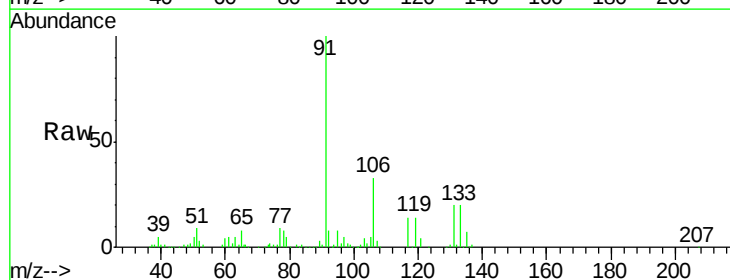
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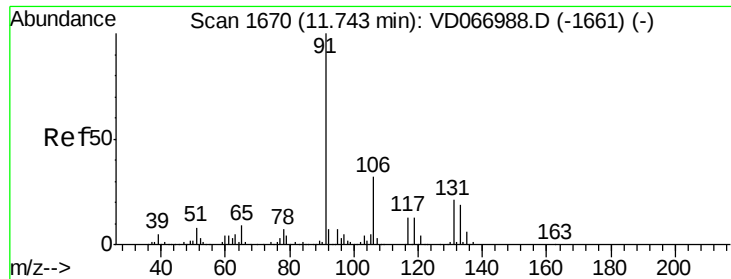
MMDadoda
10/6/2020 12:55:05 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.523 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067074.D
Acq: 05 Oct 2020 10:57

Tgt Ion:131 Resp: 102301
Ion Ratio Lower Upper
131 100
133 95.3 47.8 143.3
119 64.7 32.3 96.8





#67

Ethyl Benzene

Concen: 21.233 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD067074.D

Acq: 05 Oct 2020 10:57

Instrument :

MSVOA_D

ClientSampleId :

VD1005SBS01

Tot Ion: 91 Resp: 476741

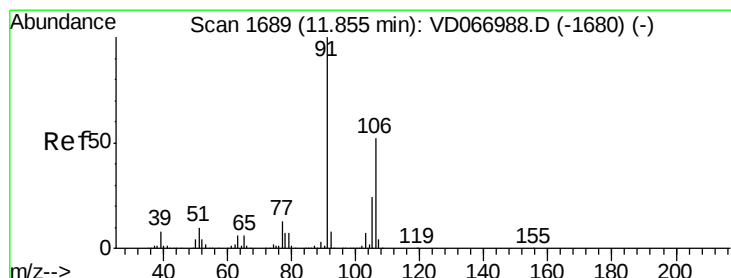
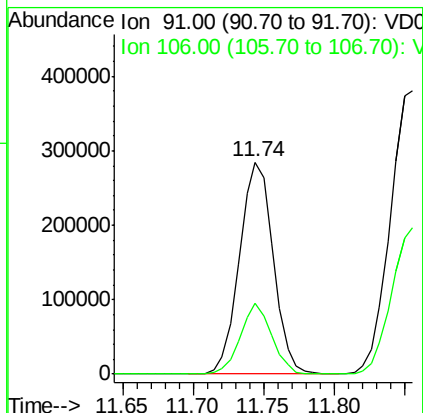
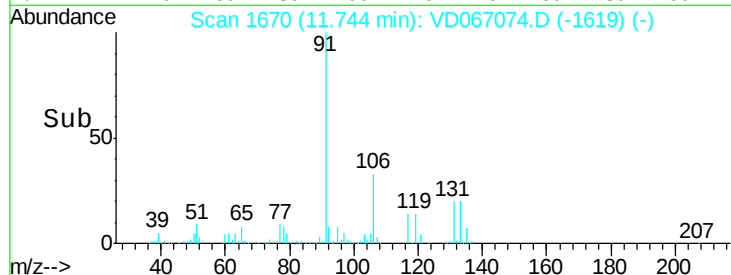
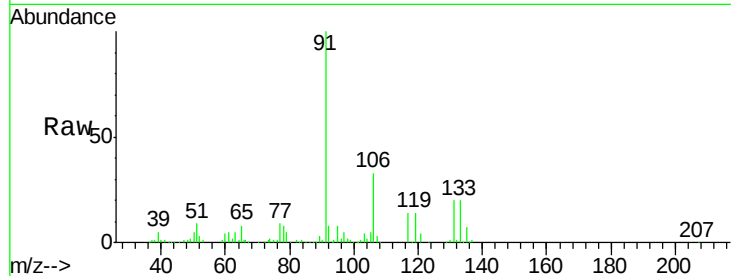
Ion Ratio Lower Upper

91 100

106 33.3 25.4 38.2

Manual Integrations
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10/6/2020 12:55:05 PM



#68

m/p-Xylenes

Concen: 42.099 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD067074.D

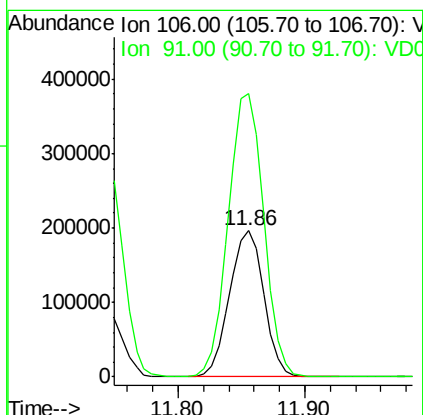
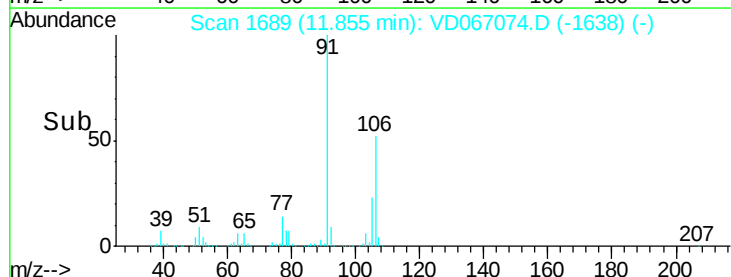
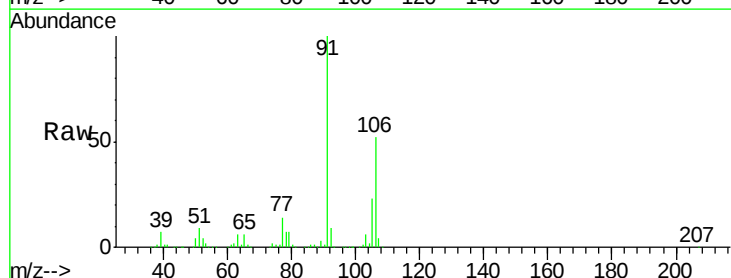
Acq: 05 Oct 2020 10:57

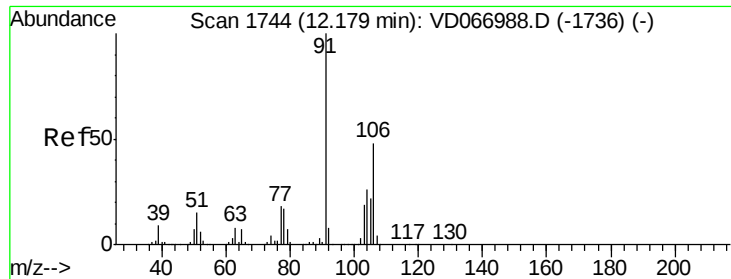
Tgt Ion: 106 Resp: 368385

Ion Ratio Lower Upper

106 100

91 200.1 158.4 237.6





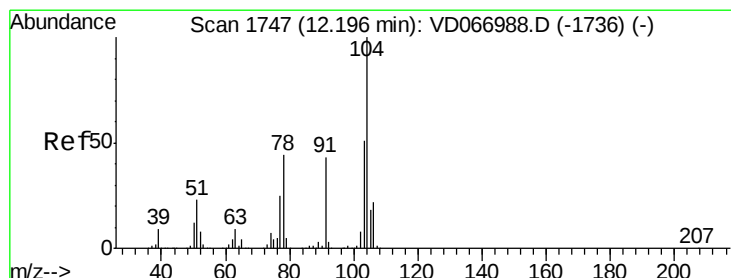
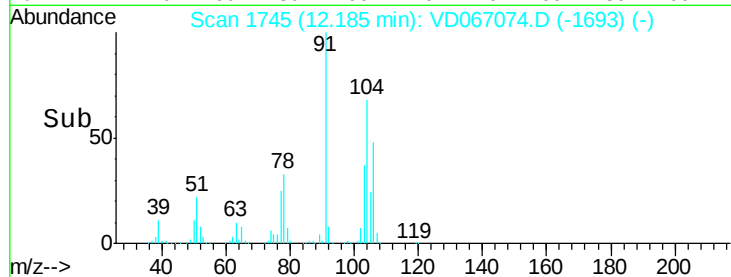
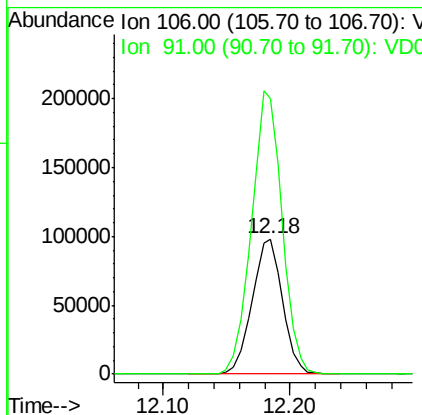
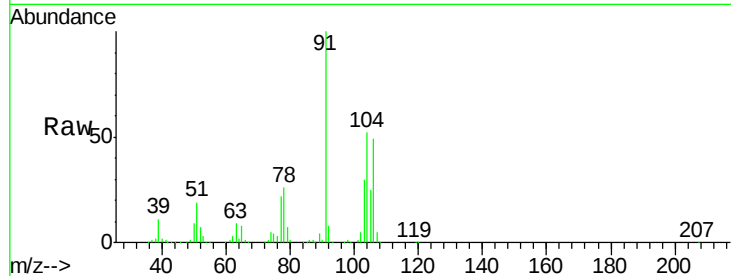
#69
o-Xylene
Concen: 20.943 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD067074.D
Acq: 05 Oct 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VD1005SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		163879		
91	211.1	102.4	307.2		

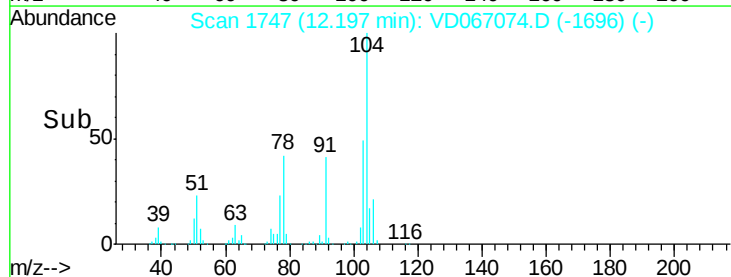
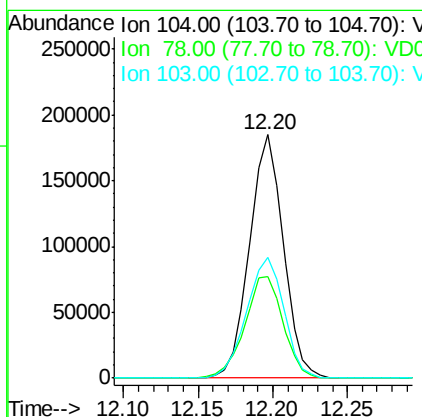
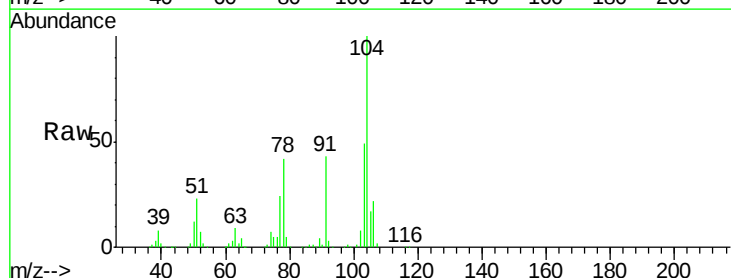
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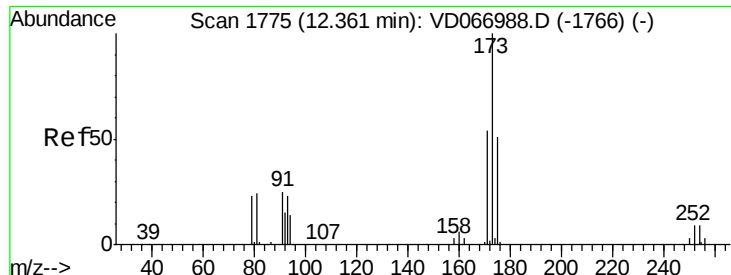
MMDadoda
10/6/2020 12:55:05 PM



#70
Styrene
Concen: 21.531 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067074.D
Acq: 05 Oct 2020 10:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		289310		
78	47.4	38.6	58.0		
103	55.0	43.4	65.0		





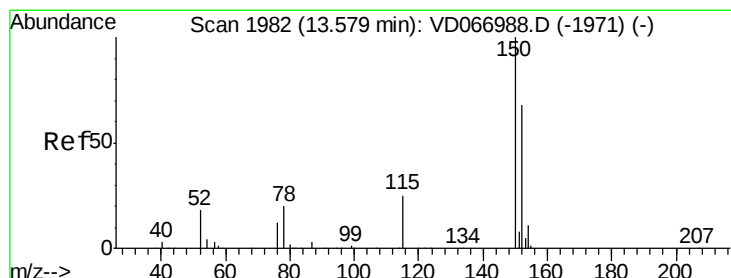
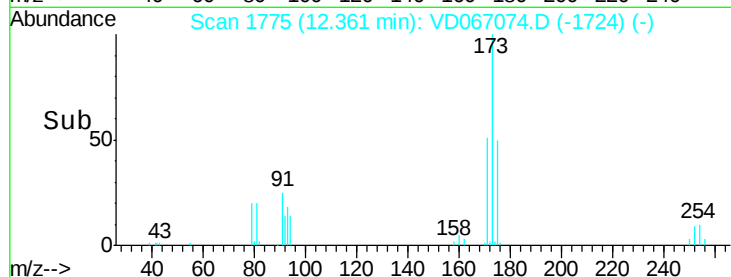
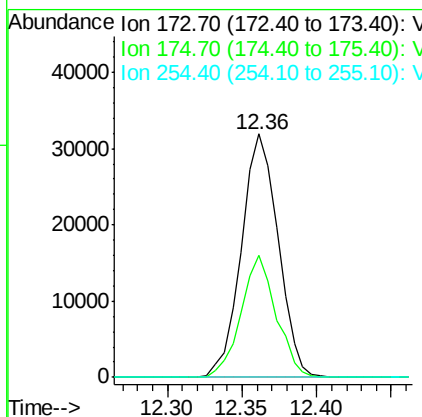
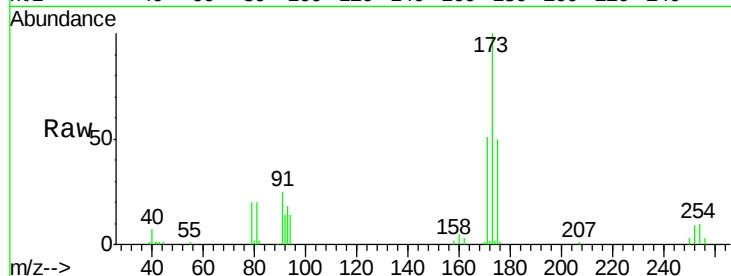
#71
Bromoform
Concen: 21.104 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD067074.D
Acq: 05 Oct 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VD1005SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.9	74.7
254	0.0	0.2	0.4

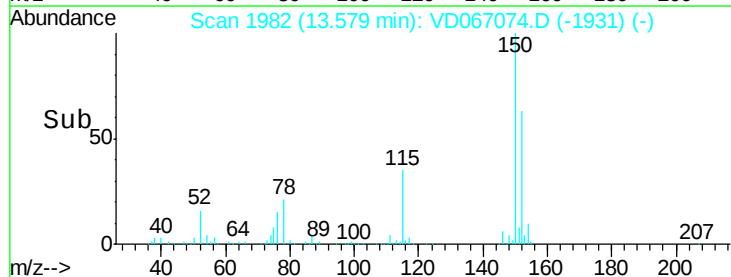
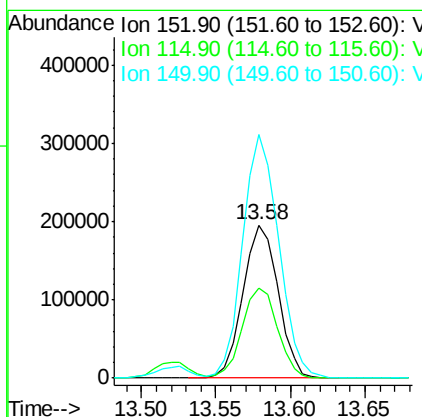
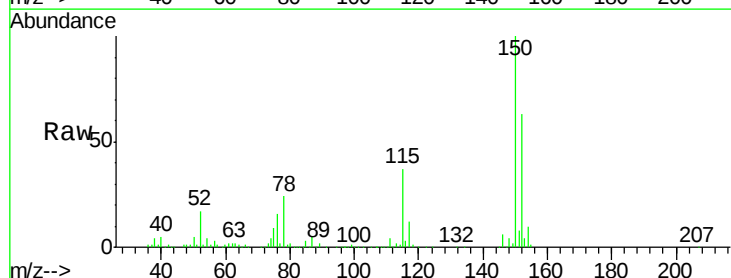
Manual Integrations
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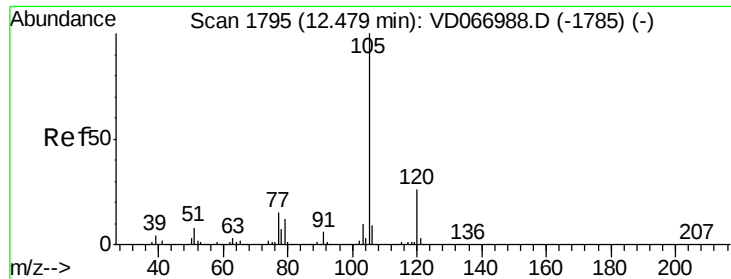
MMDadoda
10/6/2020 12:55:05 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067074.D
Acq: 05 Oct 2020 10:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.5	29.6	88.8
150	163.2	0.0	344.8





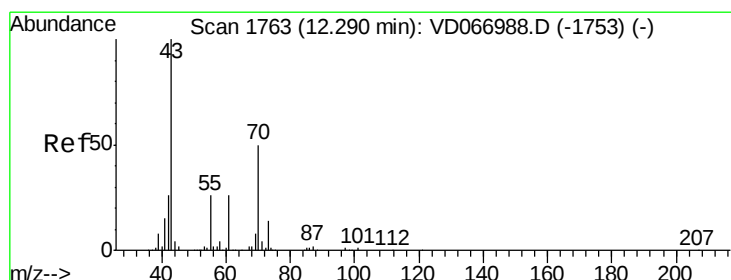
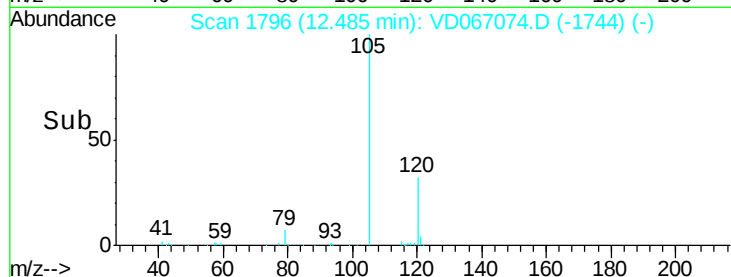
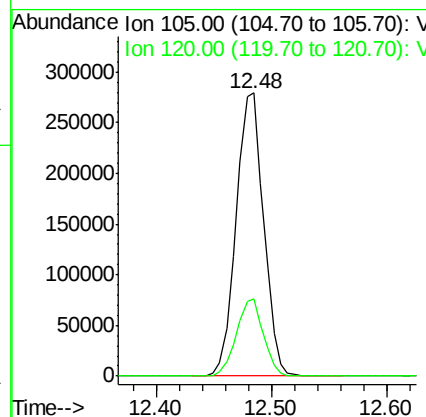
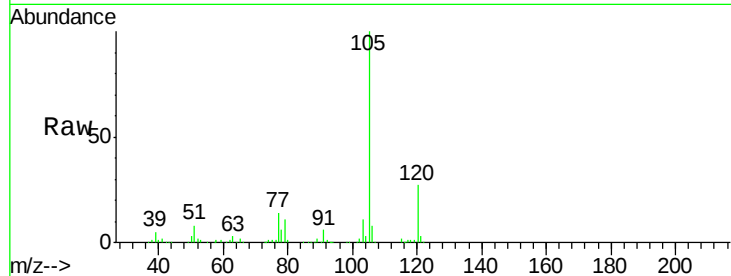
#73
Isopropylbenzene
Concen: 21.306 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.01 min
Lab File: VD067074.D
Acq: 05 Oct 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VD1005SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.3	39.9

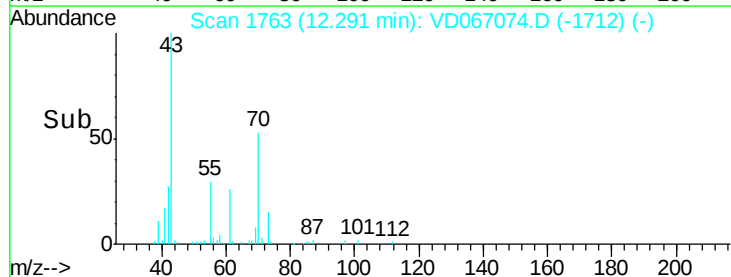
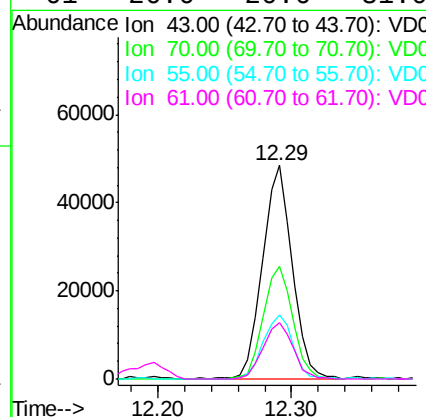
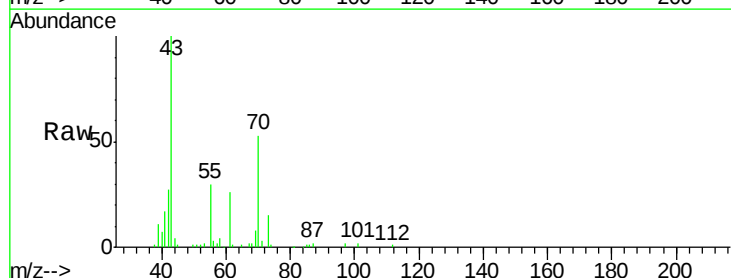
Manual Integrations
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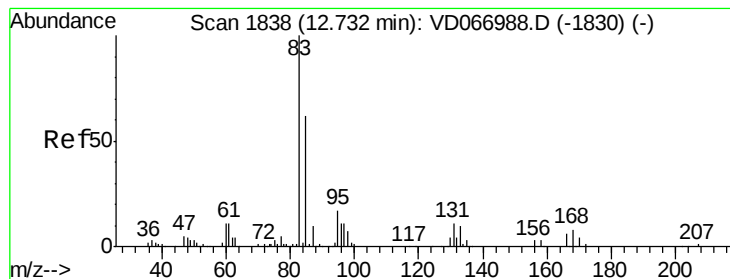
MMDadoda
10/6/2020 12:55:05 PM



#74
N-ethyl acetate
Concen: 19.147 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD067074.D
Acq: 05 Oct 2020 10:57

Tgt Ion	Ratio	Lower	Upper
43	100		
70	52.1	38.2	57.2
55	30.0	22.4	33.6
61	26.6	20.6	31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.509 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD067074.D

Acq: 05 Oct 2020 10:57

Instrument :

MSVOA_D

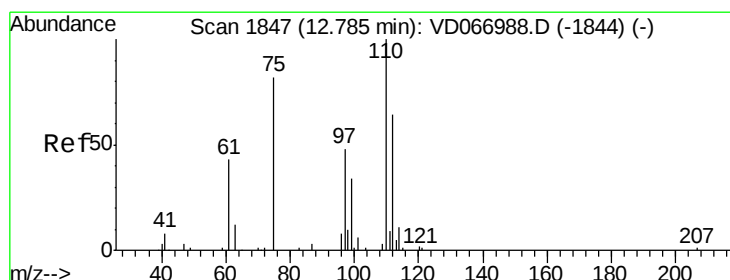
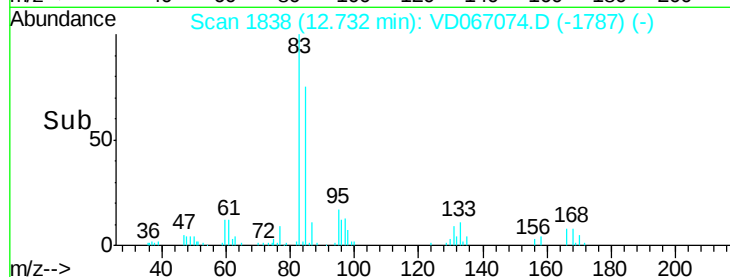
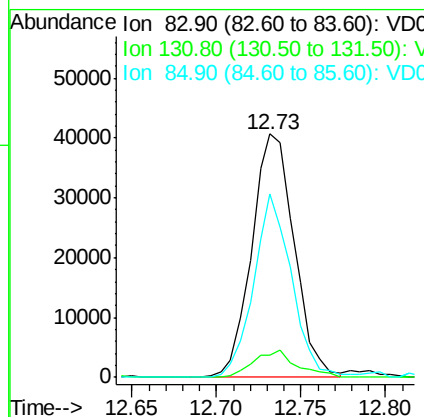
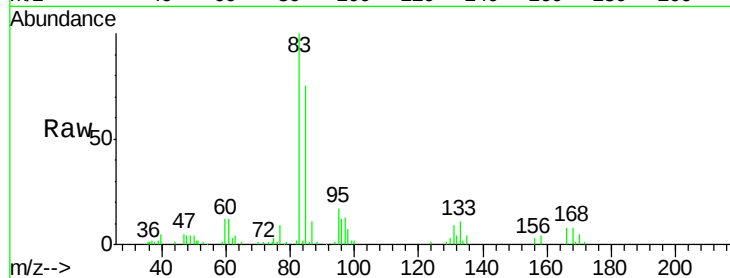
ClientSampleId :

VD1005SBS01

Tot Ion:	83	Resp:	71080
Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.7	17.0
85	67.6	32.0	96.2

Manual Integrations
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10/6/2020 12:55:05 PM



#76

1,2,3-Trichloropropane

Concen: 18.247 ug/l m

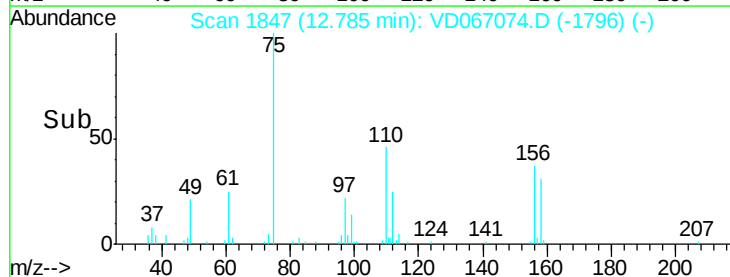
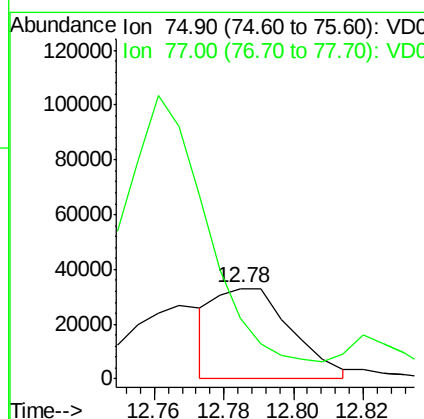
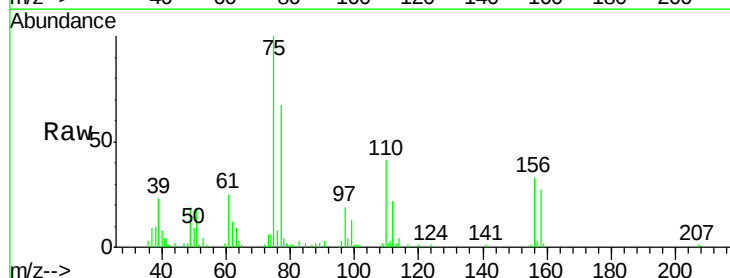
RT: 12.78 min Scan# 1847

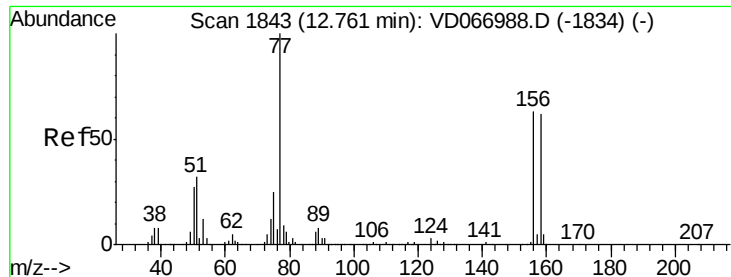
Delta R.T. 0.00 min

Lab File: VD067074.D

Acq: 05 Oct 2020 10:57

Tgt Ion:	75	Resp:	50617
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.247 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD067074.D

Acq: 05 Oct 2020 10:57

Instrument :

MSVOA_D

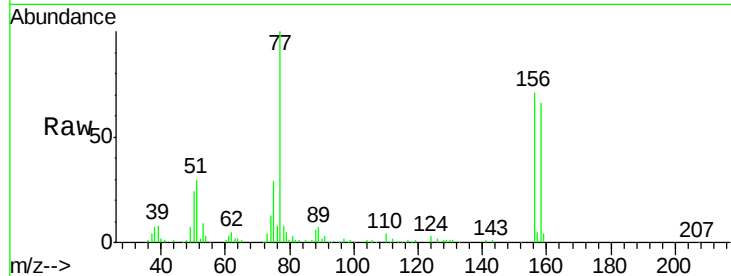
ClientSampleId :

VD1005SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	169.0	86.3	258.8
158	97.7	49.5	148.3

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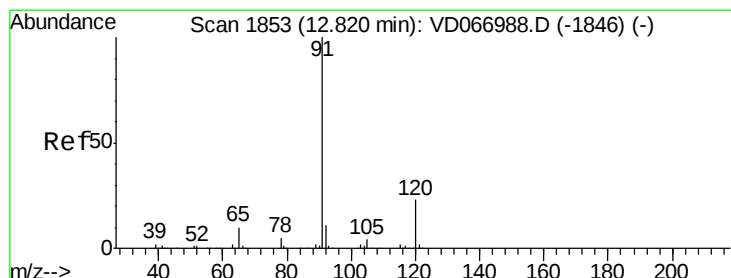
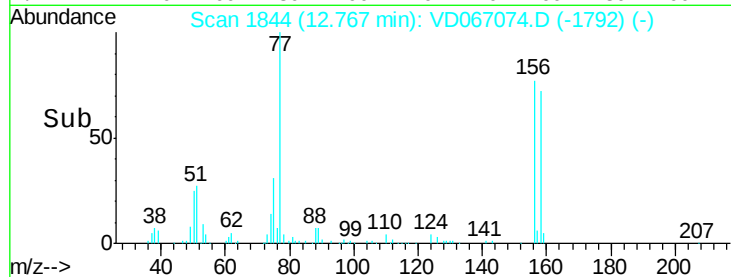
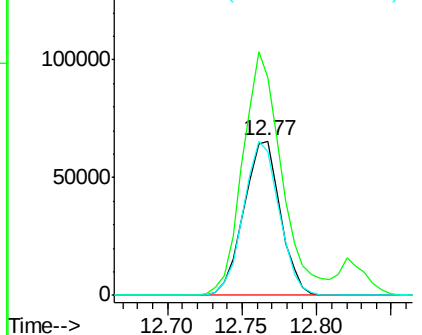
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.320 ug/l

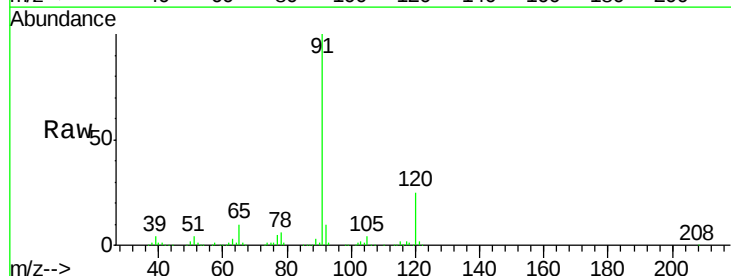
RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD067074.D

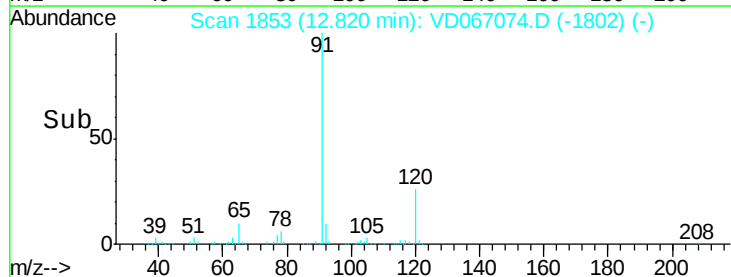
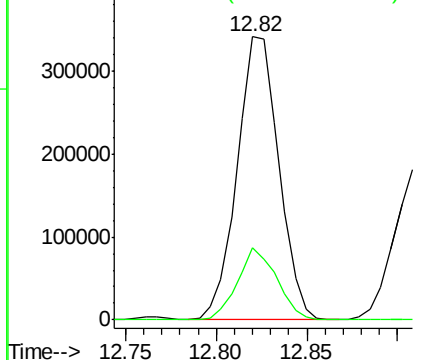
Acq: 05 Oct 2020 10:57

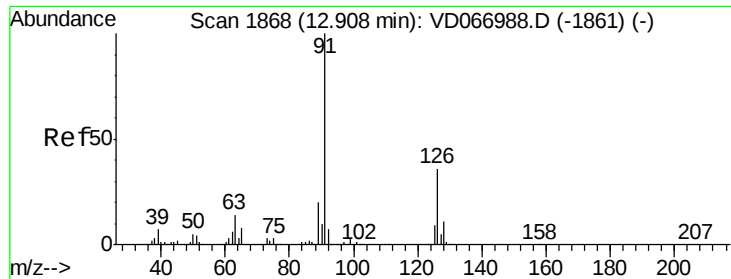
Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.0	11.6	34.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





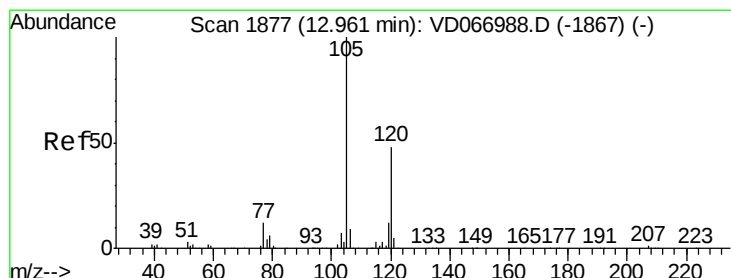
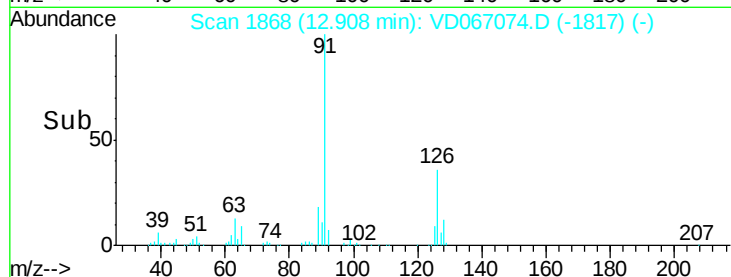
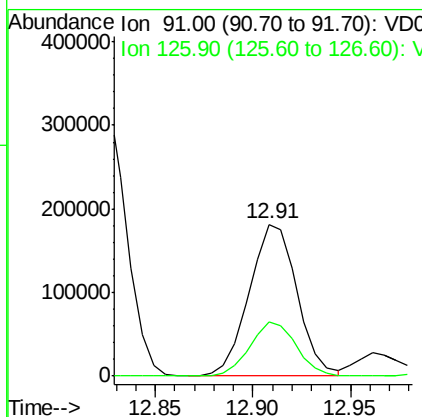
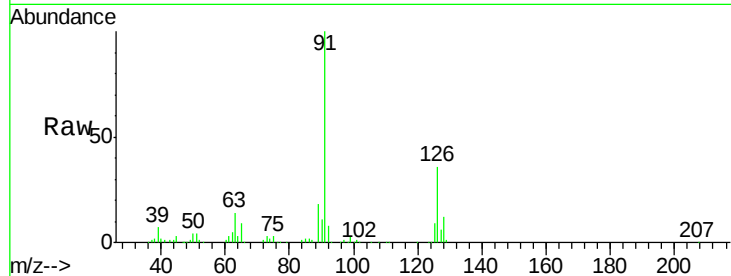
#79
 2-Chlorotoluene
 Concen: 21.065 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VD067074.D
 Acq: 05 Oct 2020 10:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1005SBS01

Tot Ion: 91 Resp: 308015
 Ion Ratio Lower Upper
 91 100
 126 34.9 17.5 52.6

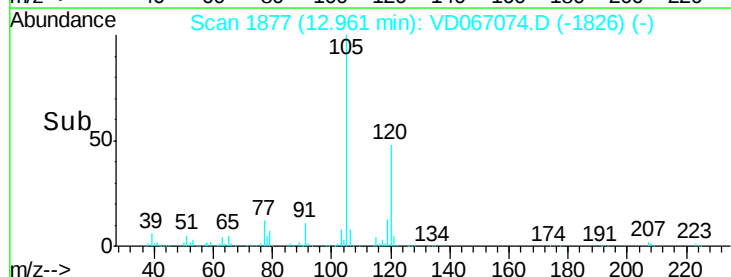
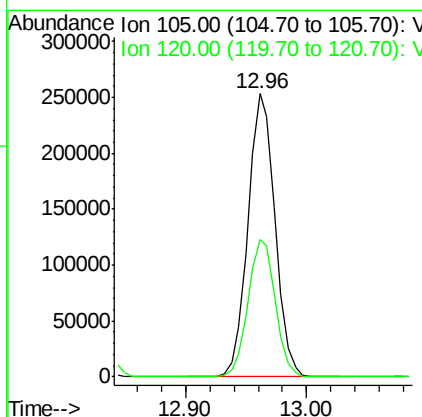
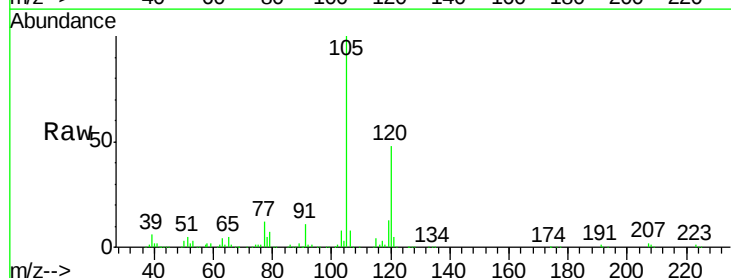
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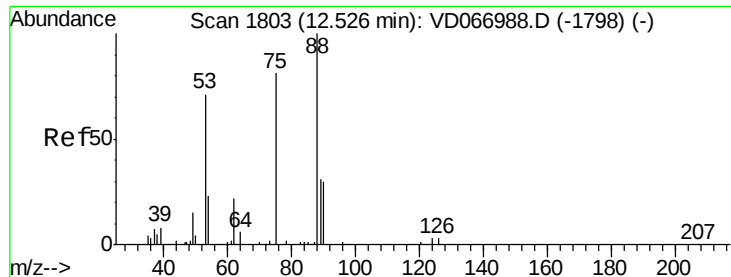
MMDadoda
 10/6/2020 12:55:05 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.642 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD067074.D
 Acq: 05 Oct 2020 10:57

Tgt Ion: 105 Resp: 395396
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.269 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VD067074.D

Acq: 05 Oct 2020 10:57

Instrument :

MSVOA_D

ClientSampleId :

VD1005SBS01

Tot Ion: 75 Resp: 21440

Ion Ratio Lower Upper

75 100

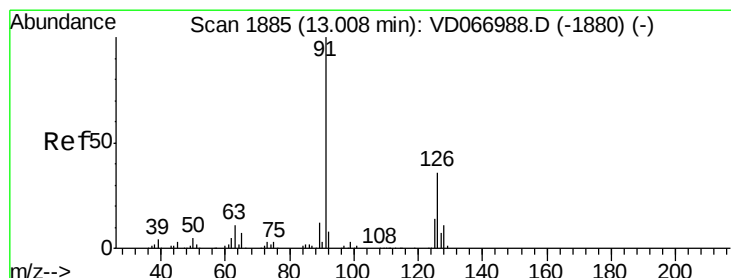
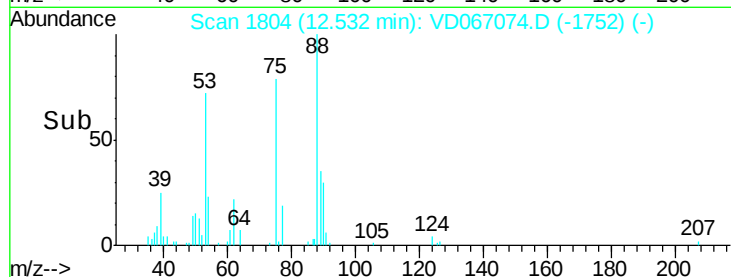
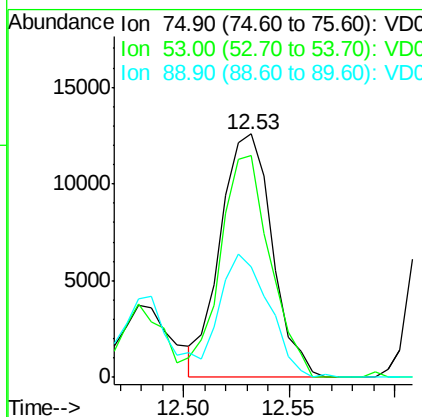
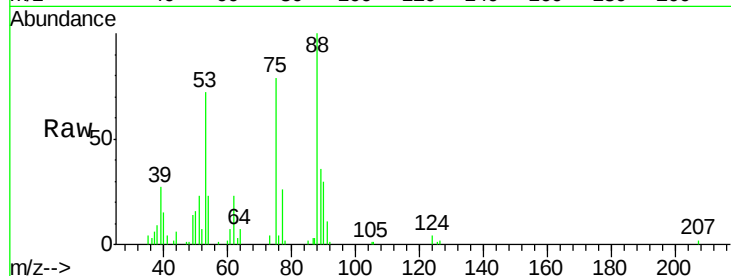
53 88.8 73.8 110.6

89 47.2 38.9 58.3

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10/6/2020 12:55:05 PM



#82

4-Chlorotoluene

Concen: 20.841 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD067074.D

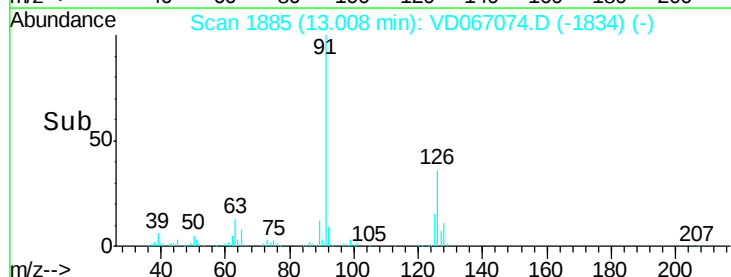
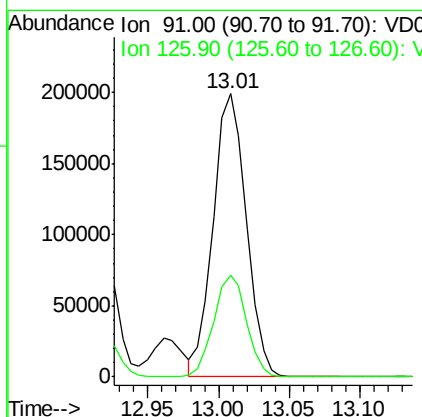
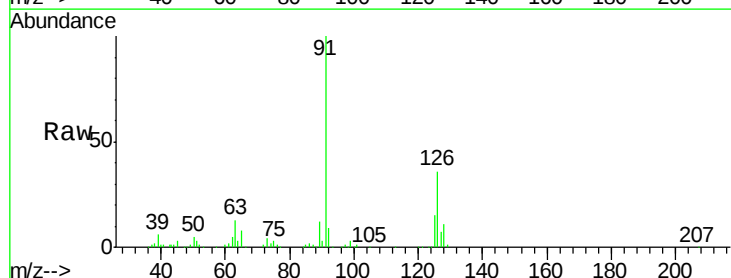
Acq: 05 Oct 2020 10:57

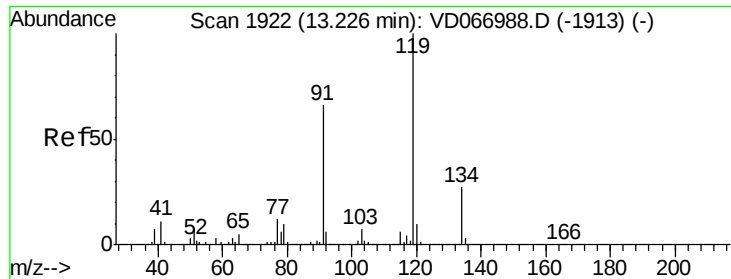
Tgt Ion: 91 Resp: 324231

Ion Ratio Lower Upper

91 100

126 35.6 17.5 52.5





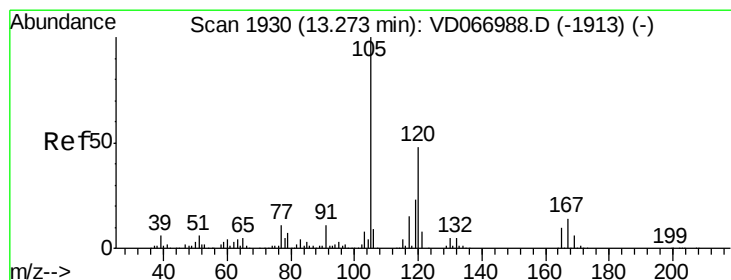
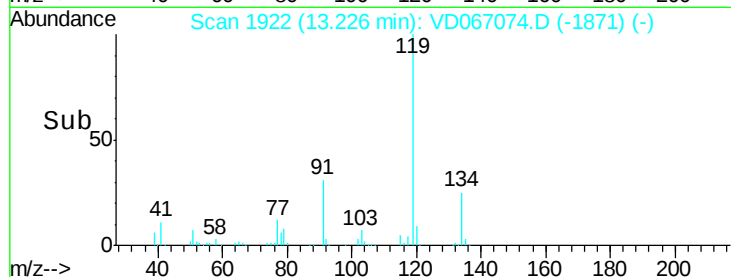
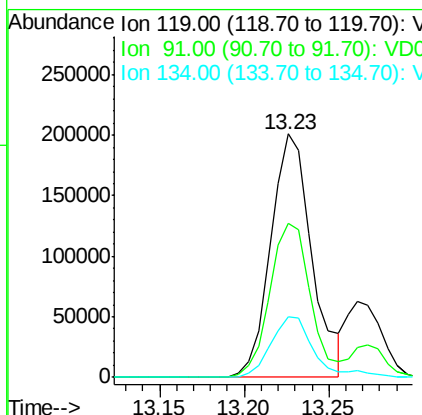
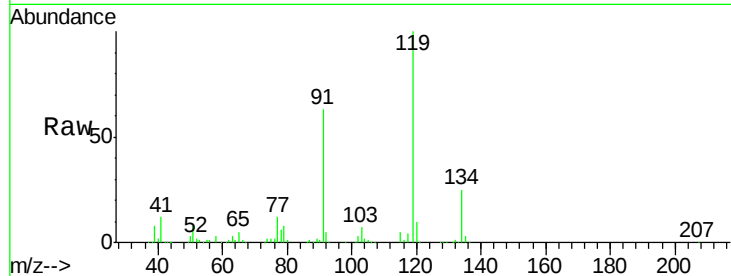
#83
tert-Butylbenzene
Concen: 21.925 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067074.D
Acq: 05 Oct 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VD1005SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	337320		
91	62.5		32.8	98.3
134	26.3		13.9	41.7

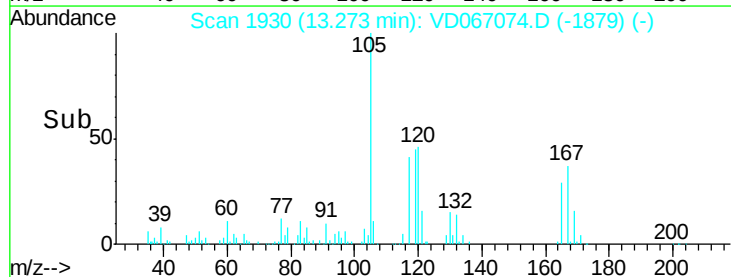
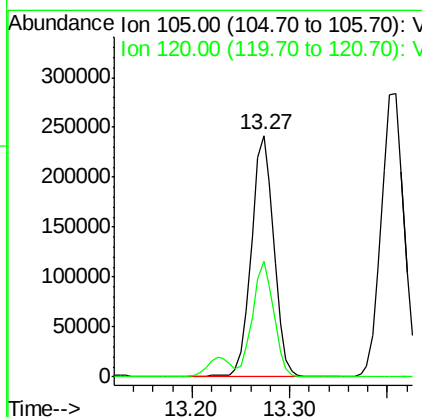
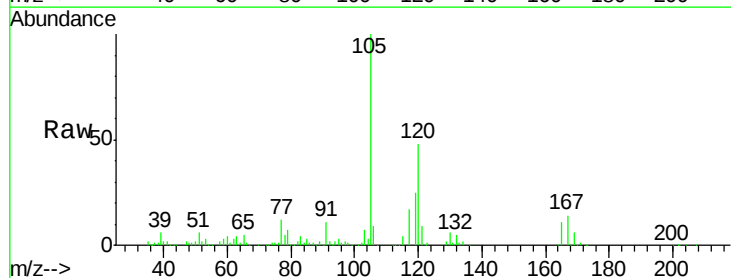
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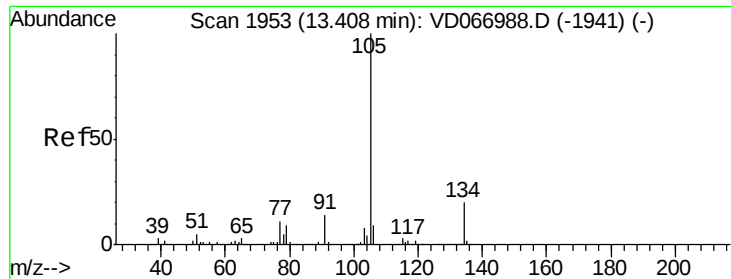
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#84
1,2,4-Trimethylbenzene
Concen: 21.240 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067074.D
Acq: 05 Oct 2020 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	387268		
120	45.5		23.3	69.8





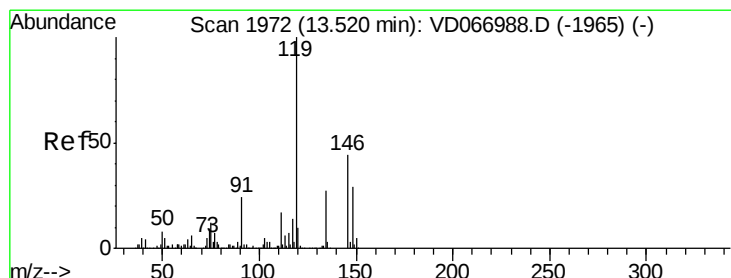
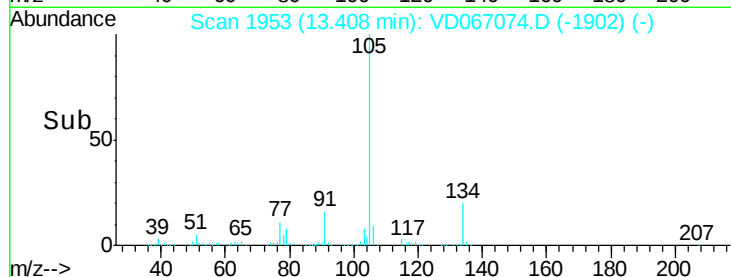
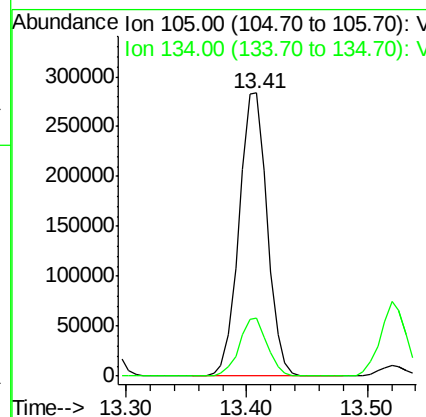
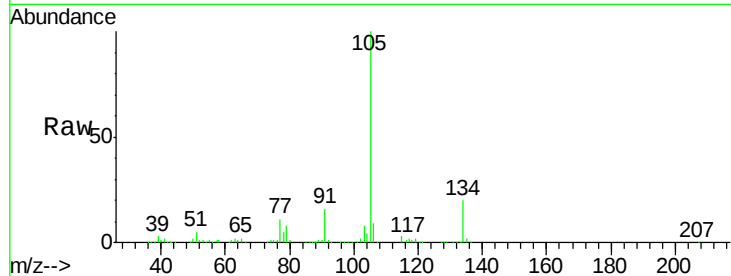
#85
 sec-Butylbenzene
 Concen: 21.286 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067074.D
 Acq: 05 Oct 2020 10:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1005SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	461182		
134	20.3		10.3	30.8

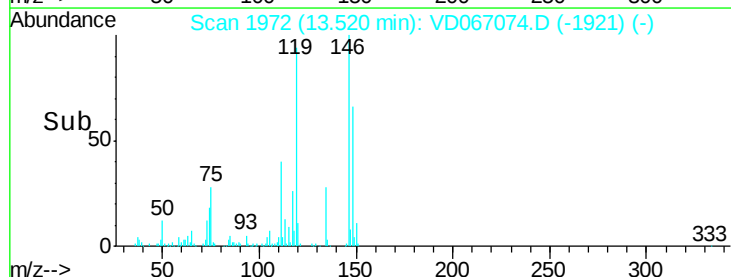
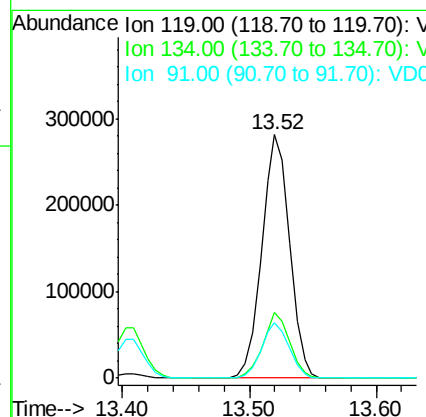
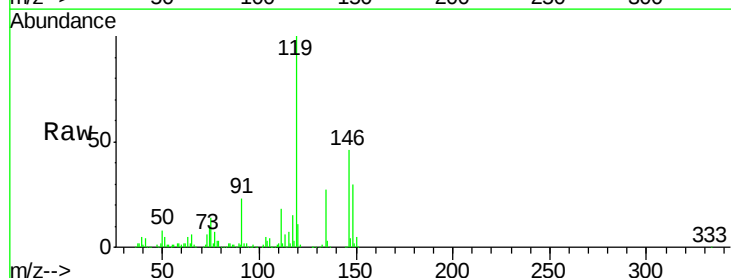
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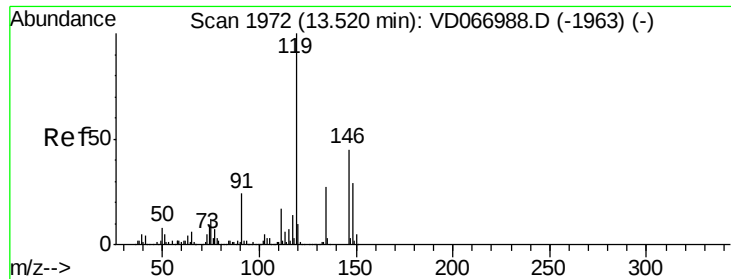
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#86
 p-Isopropyltoluene
 Concen: 21.389 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067074.D
 Acq: 05 Oct 2020 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	429647		
134	25.8		13.1	39.1
91	22.4		11.7	35.1





#87

1,3-Dichlorobenzene

Concen: 21.007 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067074.D

Acq: 05 Oct 2020 10:57

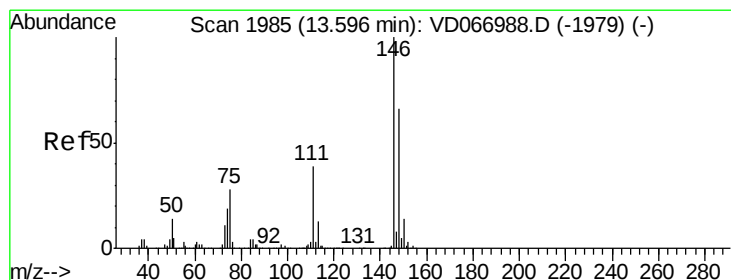
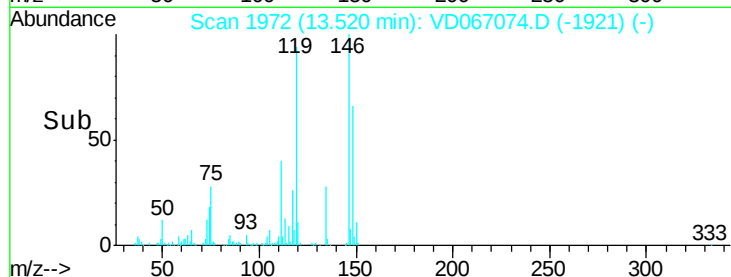
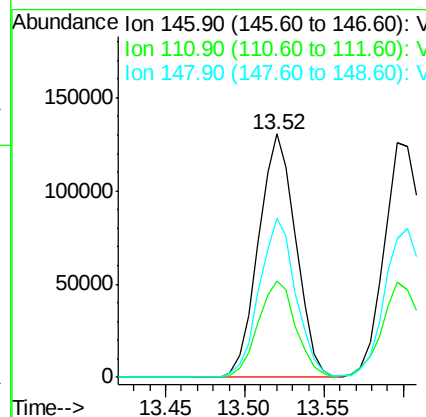
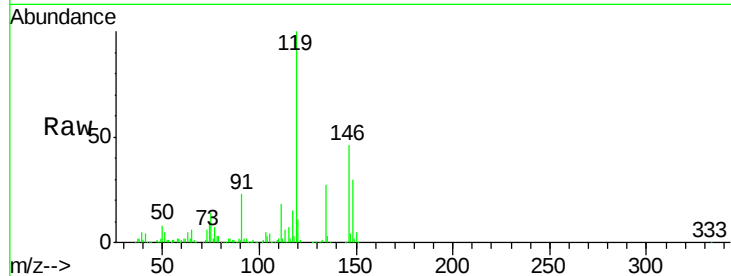
Instrument :
MSVOA_D

ClientSampleId :
VD1005SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	213651		
111	40.1	20.0	60.0	
148	64.2	31.9	95.9	

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#88

1,4-Dichlorobenzene

Concen: 20.919 ug/l

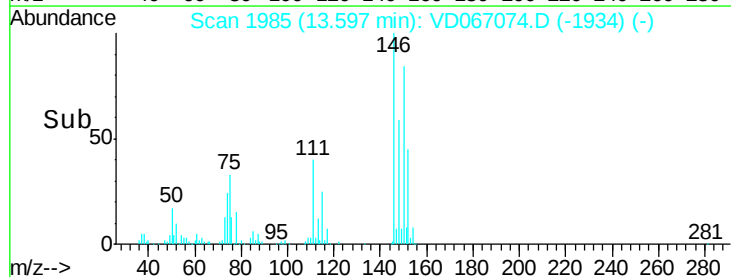
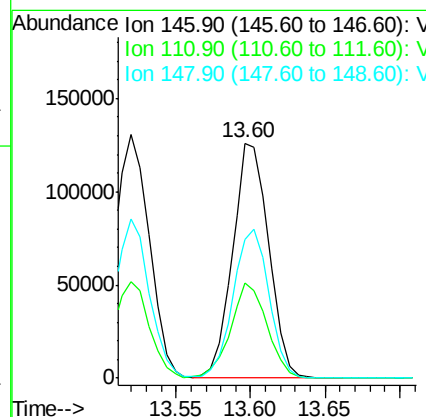
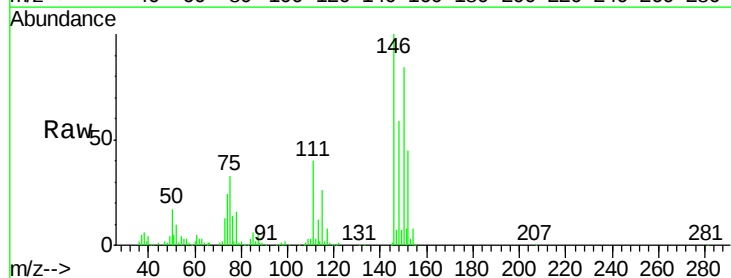
RT: 13.60 min Scan# 1985

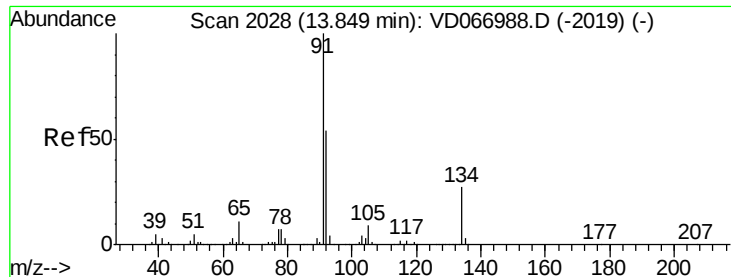
Delta R.T. 0.00 min

Lab File: VD067074.D

Acq: 05 Oct 2020 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	212737		
111	41.0	19.6	58.7	
148	63.3	32.6	97.7	





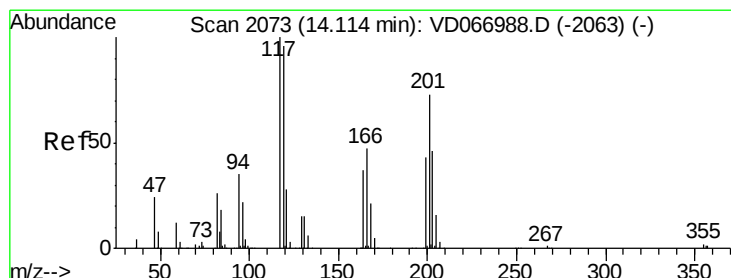
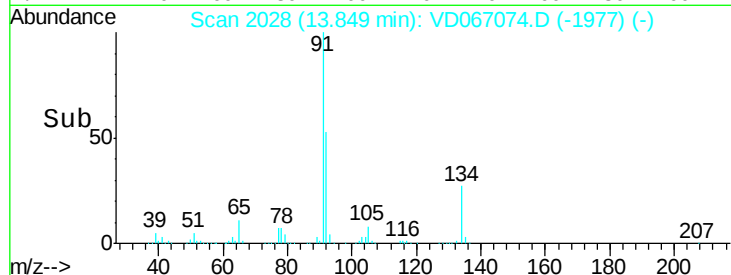
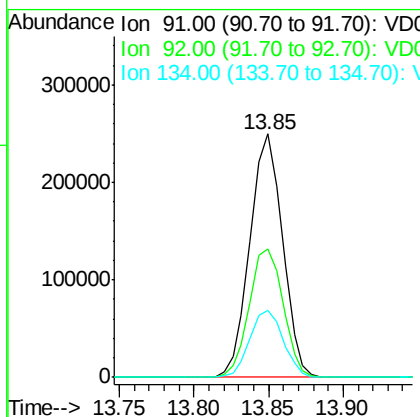
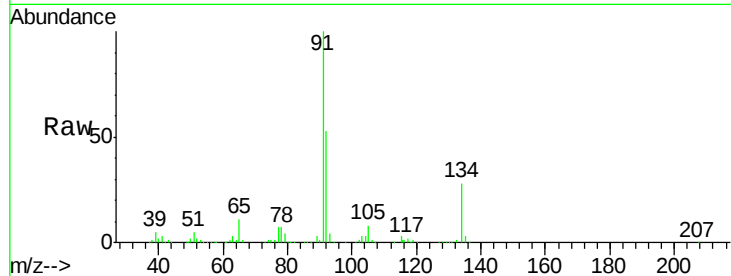
#89
n-Butylbenzene
Concen: 20.592 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067074.D
Acq: 05 Oct 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VD1005SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.1	81.2
134	28.2	13.6	40.8

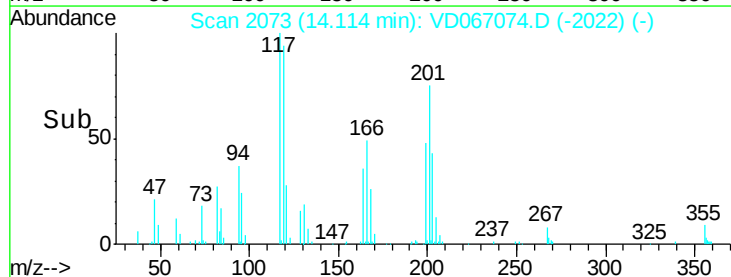
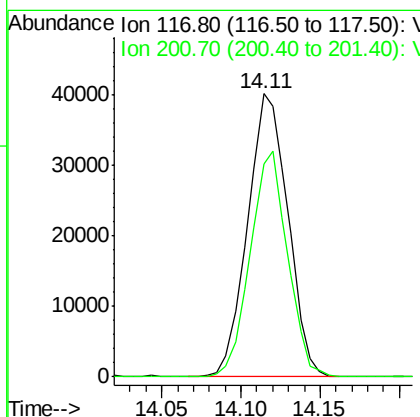
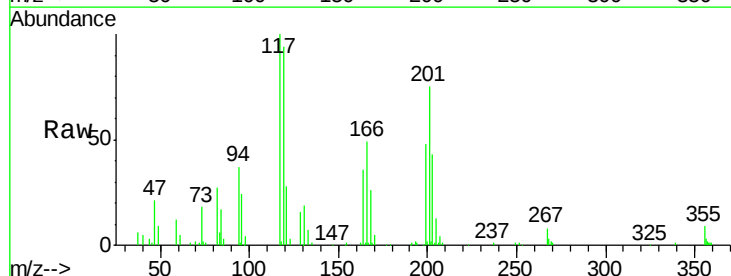
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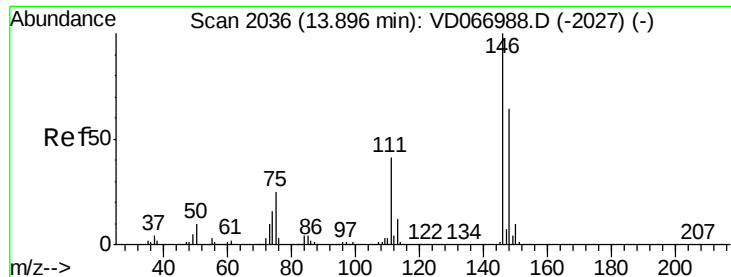
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#90
Hexachloroethane
Concen: 20.170 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067074.D
Acq: 05 Oct 2020 10:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.0	37.0	110.9





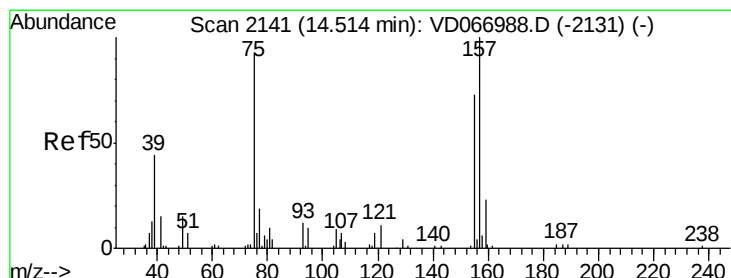
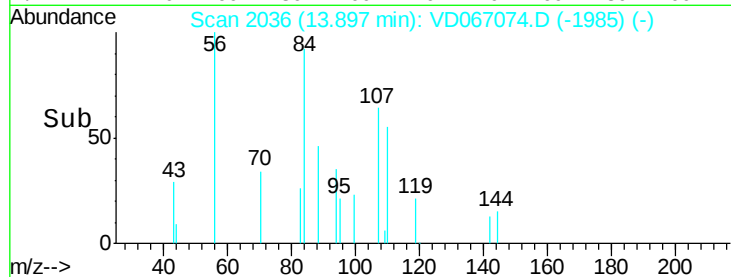
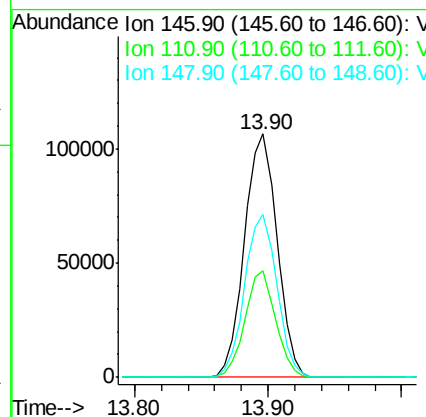
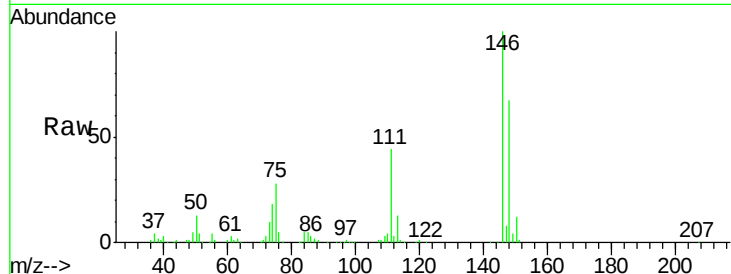
#91
 1,2-Dichlorobenzene
 Concen: 20.246 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067074.D
 Acq: 05 Oct 2020 10:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1005SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.9	62.7
148	66.0	32.3	96.9

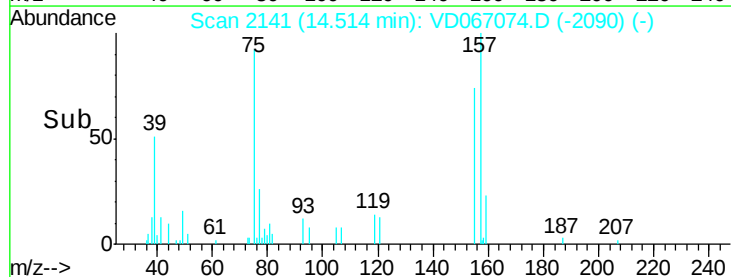
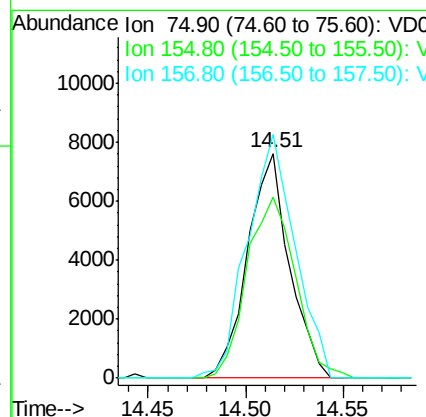
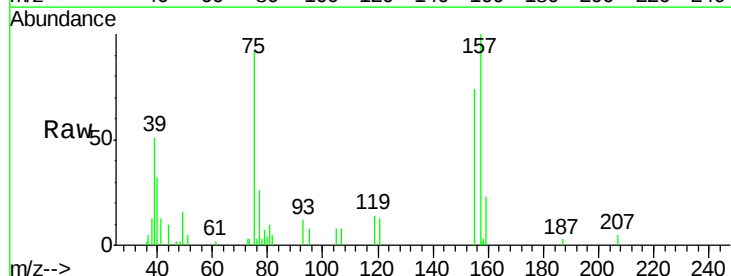
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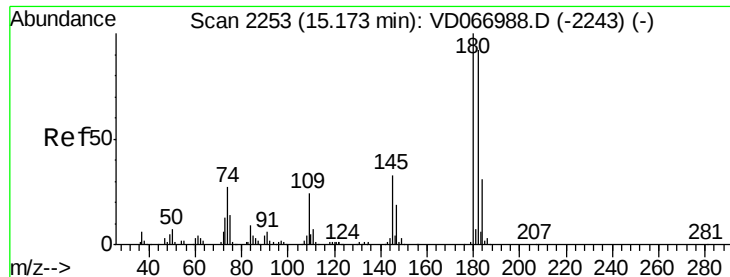
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.296 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067074.D
 Acq: 05 Oct 2020 10:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.4	45.2	135.6
157	123.1	56.3	168.8





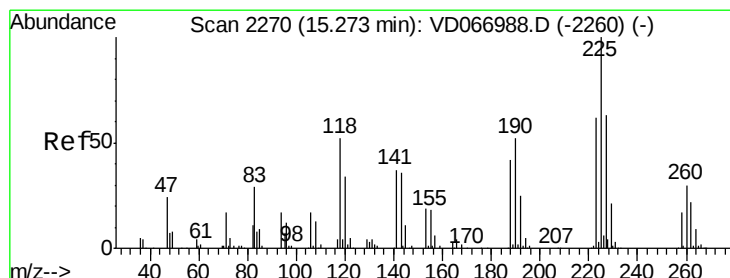
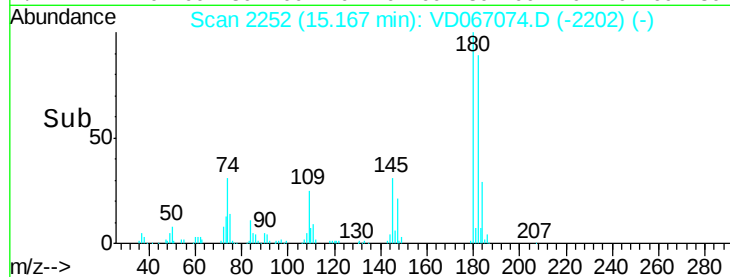
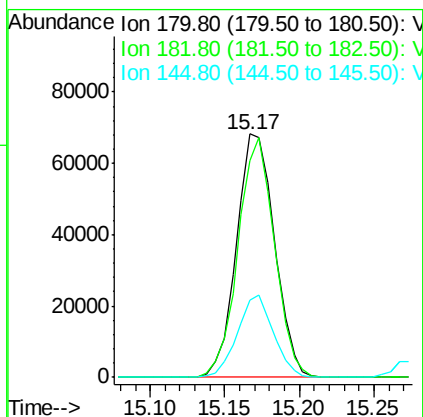
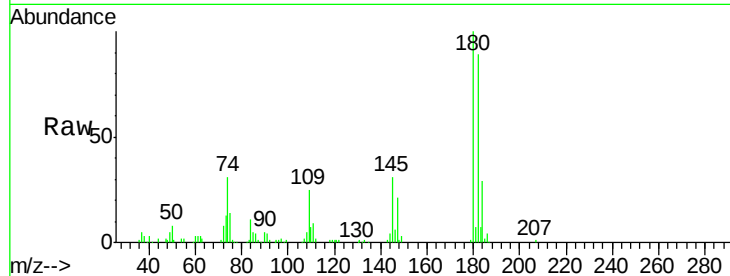
#93
 1,2,4-Trichlorobenzene
 Concen: 21.049 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD067074.D
 Acq: 05 Oct 2020 10:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1005SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	120936		
182	93.9	47.3	142.0	
145	31.6	16.4	49.1	

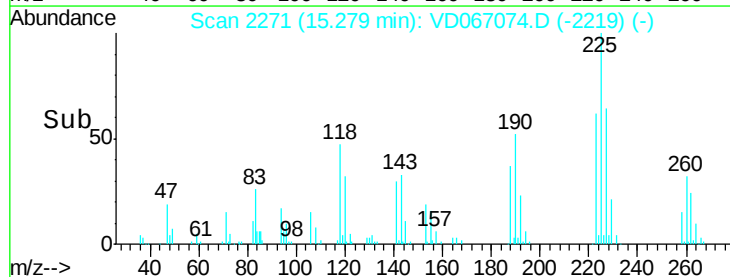
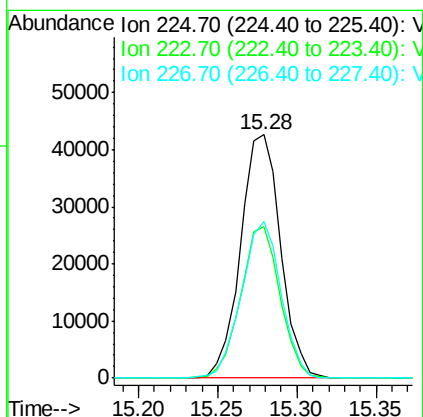
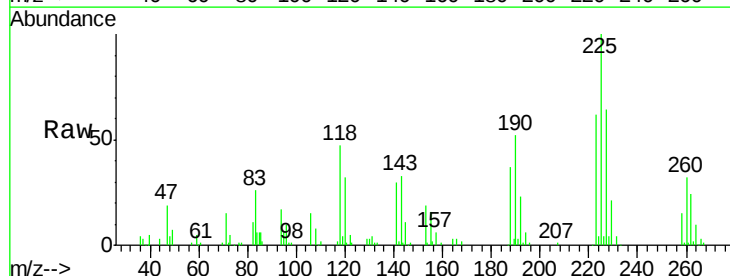
Manual Integrations
 APPROVED

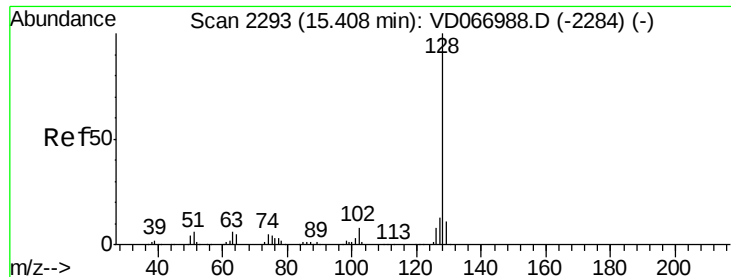
MMDadoda
 10/6/2020 12:55:05 PM



#94
 Hexachlorobutadiene
 Concen: 21.195 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD067074.D
 Acq: 05 Oct 2020 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	74788		
223	61.3	32.4	97.0	
227	63.4	31.6	95.0	





#95

Naphthalene

Concen: 19.867 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD067074.D

Acq: 05 Oct 2020 10:57

Instrument :

MSVOA_D

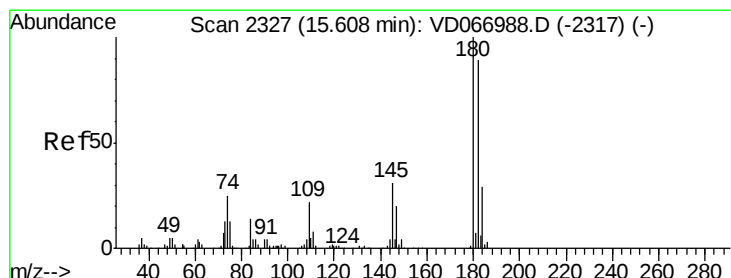
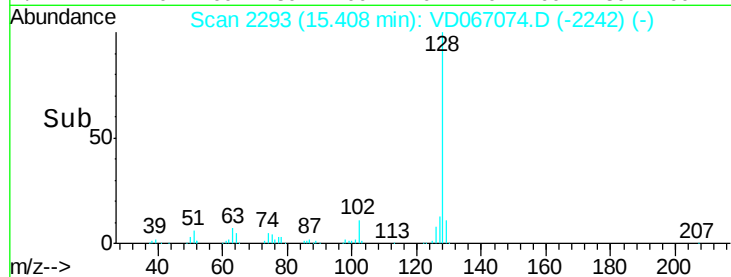
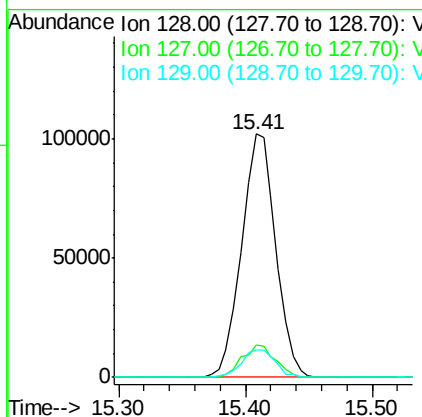
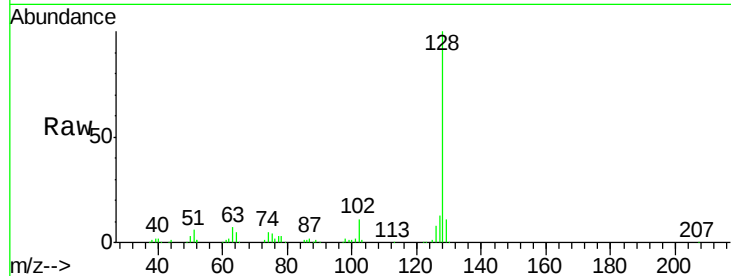
ClientSampleId :

VD1005SBS01

Tot Ion:	128	Resp:	190387
Ion Ratio		Lower	Upper
128	100		
127	12.9	10.3	15.5
129	11.3	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/6/2020 12:55:05 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.359 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.01 min

Lab File: VD067074.D

Acq: 05 Oct 2020 10:57

Tgt Ion:	180	Resp:	106528
Ion Ratio		Lower	Upper
180	100		
182	91.2	46.4	139.1
145	31.8	16.6	49.7

