

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070820\
 Data File : VD065937.D
 Acq On : 08 Jul 2020 13:35
 Operator : VA/SY
 Sample : VD0708SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0708SBS01

Manual Integrations
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MMDadoda
 7/9/2020 10:48:15 AM

Quant Time: Jul 09 01:31:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 09:45:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	407778	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	610771	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	570427	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	285289	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	171098	47.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.70%	
35) Dibromofluoromethane	7.91	113	180940	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	
50) Toluene-d8	10.34	98	669596	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
62) 4-Bromofluorobenzene	12.64	95	236654	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	75332	20.780	ug/l	99
3) Chloromethane	2.21	50	71864	19.997	ug/l	100
4) Vinyl Chloride	2.35	62	63572	19.266	ug/l	99
5) Bromomethane	2.76	94	39998	19.136	ug/l	98
6) Chloroethane	2.92	64	38024	19.277	ug/l	92
7) Trichlorofluoromethane	3.27	101	142611	20.165	ug/l	99
8) Diethyl Ether	3.71	74	38469	19.828	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	82788	19.571	ug/l	98
10) Methyl Iodide	4.30	142	82140	20.022	ug/l	97
11) Tert butyl alcohol	5.22	59	25666m	98.933	ug/l	
12) 1,1-Dichloroethene	4.06	96	78391	19.836	ug/l	94
13) Acrolein	3.92	56	22937	110.949	ug/l	94
14) Allyl chloride	4.71	41	132223	19.743	ug/l	99
15) Acrylonitrile	5.42	53	83001	97.709	ug/l	100
16) Acetone	4.15	43	77664	91.700	ug/l	95
17) Carbon Disulfide	4.41	76	252845	20.080	ug/l	99
18) Methyl Acetate	4.71	43	37874	19.077	ug/l	94
19) Methyl tert-butyl Ether	5.47	73	165303	19.757	ug/l	98
20) Methylene Chloride	4.96	84	121091	20.867	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	90330	20.316	ug/l	97
22) Diisopropyl ether	6.36	45	255779	20.323	ug/l #	96
23) Vinyl Acetate	6.30	43	711156	98.993	ug/l	99
24) 1,1-Dichloroethane	6.26	63	151918	20.243	ug/l	97
25) 2-Butanone	7.21	43	106445	95.113	ug/l #	87
26) 2,2-Dichloropropane	7.20	77	132059	20.115	ug/l	100
27) cis-1,2-Dichloroethene	7.20	96	97704	20.451	ug/l	99
28) Bromochloromethane	7.54	49	60943	21.496	ug/l	98
29) Tetrahydrofuran	7.56	42	67276	94.536	ug/l	99
30) Chloroform	7.71	83	154121	20.257	ug/l	97
31) Cyclohexane	7.98	56	142503	19.299	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	140305	20.208	ug/l	100
36) 1,1-Dichloropropene	8.11	75	124136	20.579	ug/l	98
37) Ethyl Acetate	7.29	43	47372	18.743	ug/l #	90
38) Carbon Tetrachloride	8.10	117	129108	19.968	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	149494	20.186	ug/l	94
40) Benzene	8.35	78	347788	20.870	ug/l	98
41) Methacrylonitrile	7.52	41	26622	18.142	ug/l #	88
42) 1,2-Dichloroethane	8.43	62	94743	20.068	ug/l	100
43) Isopropyl Acetate	8.45	43	91720	19.496	ug/l	97
44) Trichloroethene	9.11	130	101240	20.676	ug/l	96
45) 1,2-Dichloropropane	9.38	63	84434	20.413	ug/l	99
46) Dibromomethane	9.47	93	42930	19.936	ug/l	98
47) Bromodichloromethane	9.66	83	119503	20.688	ug/l	98
48) Methyl methacrylate	9.46	41	43293	18.279	ug/l	92
49) 1,4-Dioxane	9.46	88	9116	356.281	ug/l #	81
51) 4-Methyl-2-Pentanone	10.23	43	230304	96.827	ug/l	99
52) Toluene	10.40	92	222798	21.015	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	110209	20.291	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	133329	20.316	ug/l	93
55) 1,1,2-Trichloroethane	10.80	97	61623	20.770	ug/l	95
56) Ethyl methacrylate	10.66	69	73171	20.192	ug/l	98
57) 1,3-Dichloropropane	10.94	76	107010	20.624	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	184259	104.991	ug/l	96
59) 2-Hexanone	10.98	43	161417	98.679	ug/l	97
60) Dibromochloromethane	11.14	129	82160	20.269	ug/l	99
61) 1,2-Dibromoethane	11.25	107	60795	20.552	ug/l	100
64) Tetrachloroethene	10.87	164	85916	20.711	ug/l	97
65) Chlorobenzene	11.67	112	238358	20.735	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	88962	20.691	ug/l	100
67) Ethyl Benzene	11.74	91	421801	20.655	ug/l	100
68) m/p-Xylenes	11.86	106	323958	41.754	ug/l	99
69) o-Xylene	12.18	106	149133	21.101	ug/l	99
70) Styrene	12.20	104	253631	20.788	ug/l	99
71) Bromoform	12.36	173	47656	19.588	ug/l #	98
73) Isopropylbenzene	12.48	105	400730	20.127	ug/l	99
74) N-amyl acetate	12.29	43	83713	18.737	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	64458	19.500	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	54764m	22.883	ug/l	
77) Bromobenzene	12.76	156	98772	20.453	ug/l	99
78) n-propylbenzene	12.82	91	476585	20.417	ug/l	100
79) 2-Chlorotoluene	12.91	91	268971	20.311	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	332544	20.420	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	21442	19.252	ug/l	99
82) 4-Chlorotoluene	13.01	91	283534	20.407	ug/l	100
83) tert-Butylbenzene	13.23	119	282900	20.390	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	334402	20.628	ug/l	100
85) sec-Butylbenzene	13.40	105	399731	20.329	ug/l	99
86) p-Isopropyltoluene	13.52	119	364766	20.282	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	188781	20.891	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	183206	20.322	ug/l	98
89) n-Butylbenzene	13.85	91	332233	19.672	ug/l	99
90) Hexachloroethane	14.11	117	71651	19.756	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	163711	20.728	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10074	18.226	ug/l	94

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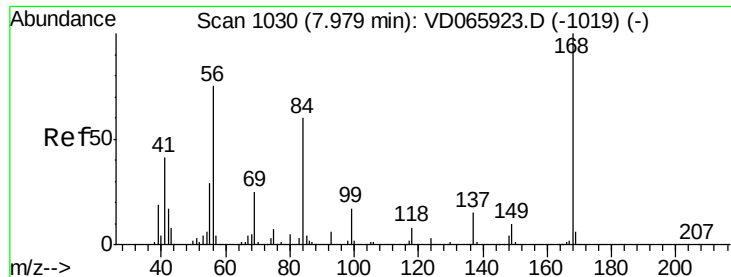
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	117178	20.817	ug/l	95
94) Hexachlorobutadiene	15.27	225	68566	20.137	ug/l	98
95) Naphthalene	15.41	128	179148	18.977	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	98428	20.272	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD065937.D

Acq: 08 Jul 2020 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBS01

Tot Ion:168 Resp: 407778

Ion Ratio Lower Upper

168 100

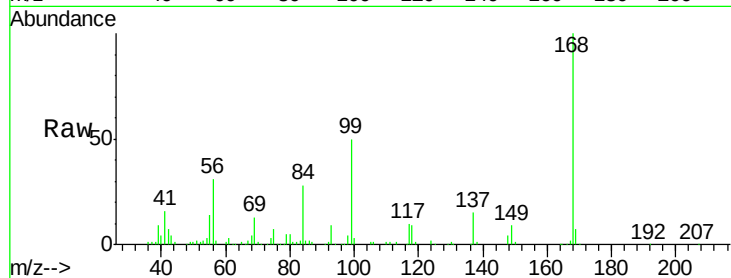
99 49.8 43.1 64.7

Manual Integrations

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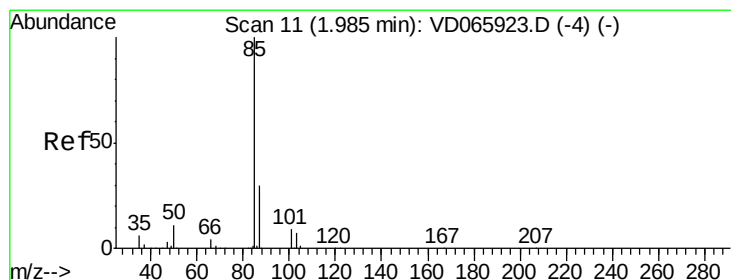
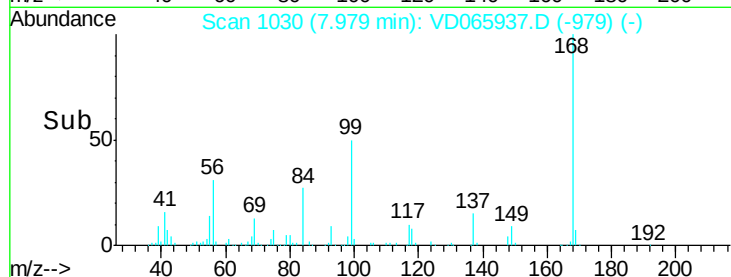
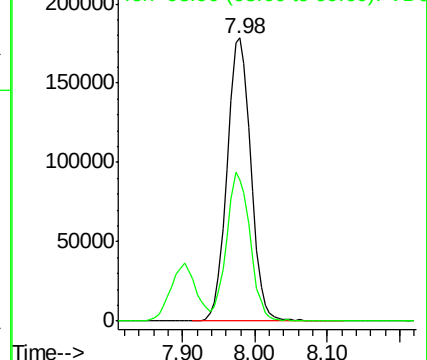
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.780 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD065937.D

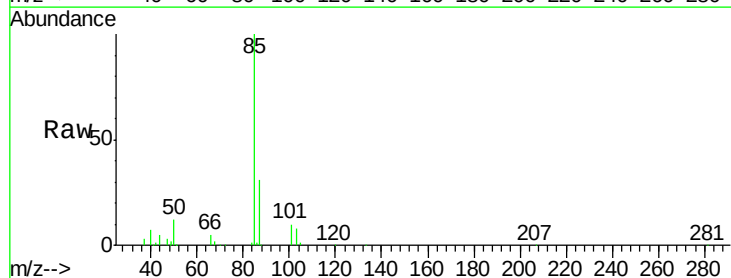
Acq: 08 Jul 2020 13:35

Tgt Ion: 85 Resp: 75332

Ion Ratio Lower Upper

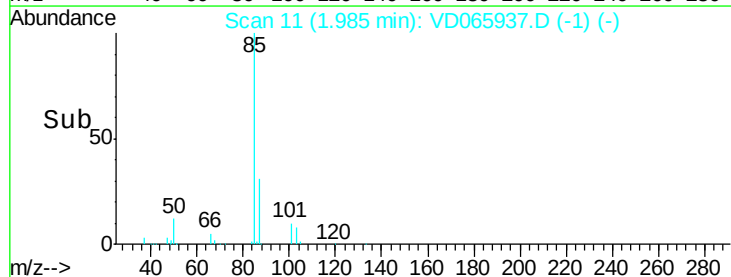
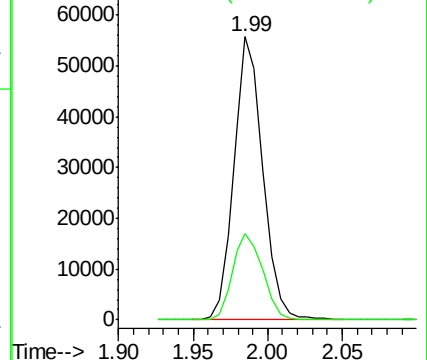
85 100

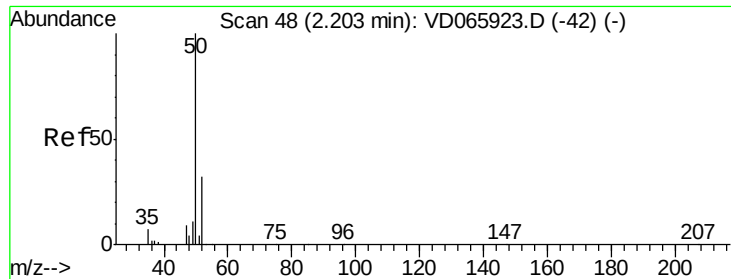
87 30.6 14.9 44.9



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.997 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD065937.D

Acq: 08 Jul 2020 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBS01

Tot Ion: 50 Resp: 71864

Ion Ratio Lower Upper

50 100

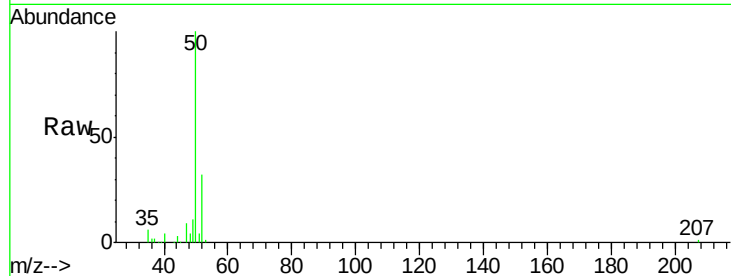
52 32.2 25.6 38.4

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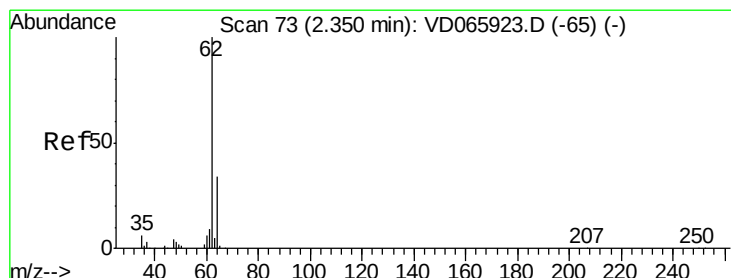
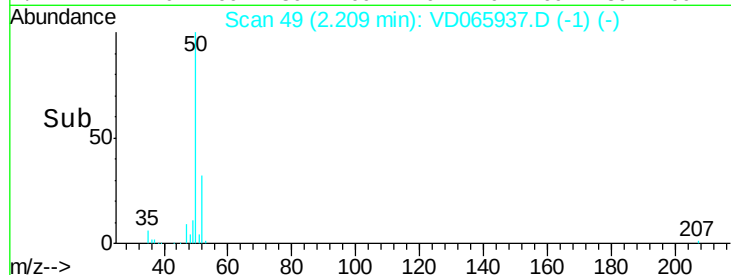


Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

Time-->



#4

Vinyl Chloride

Concen: 19.266 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065937.D

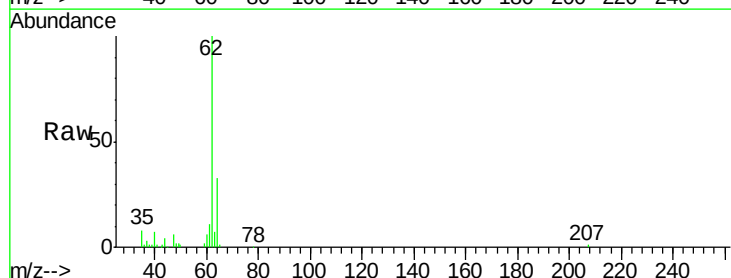
Acq: 08 Jul 2020 13:35

Tgt Ion: 62 Resp: 63572

Ion Ratio Lower Upper

62 100

64 33.4 27.2 40.8

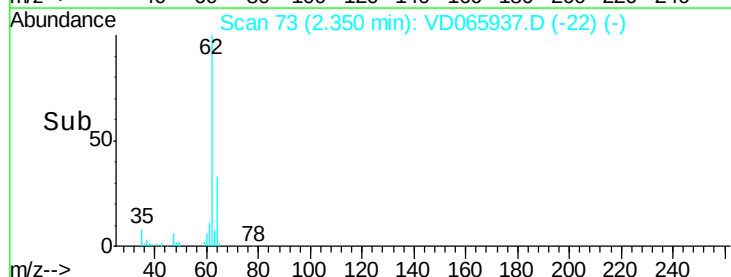


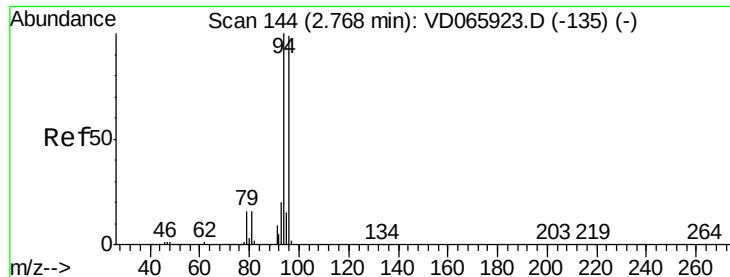
Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

Time-->





#5

Bromomethane

Concen: 19.136 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065937.D

Acq: 08 Jul 2020 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBS01

Tot Ion: 94 Resp: 39998

Ion Ratio Lower Upper

94 100

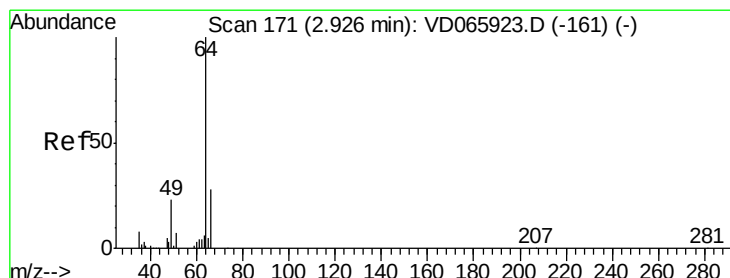
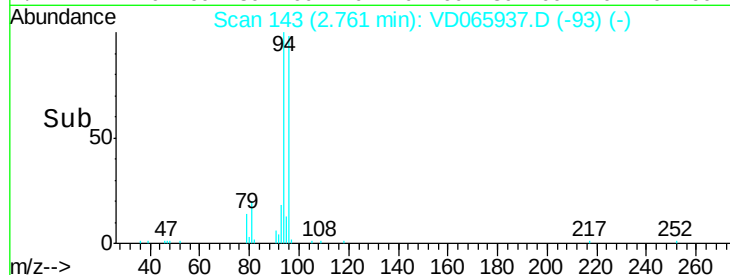
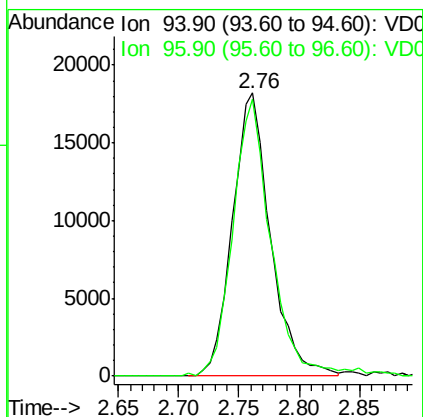
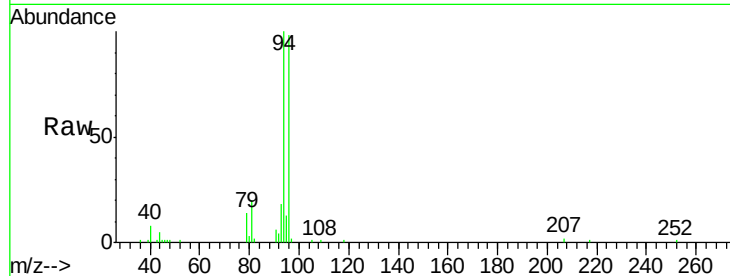
96 97.0 78.8 118.2

Manual Integrations

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#6

Chloroethane

Concen: 19.277 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065937.D

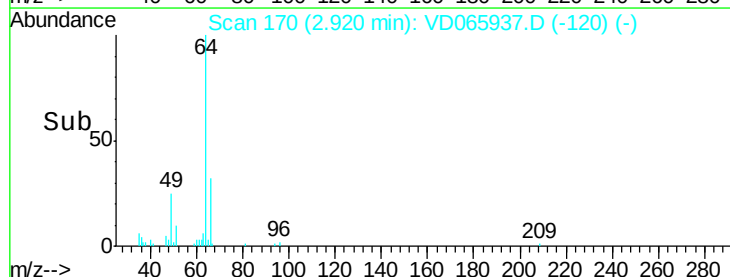
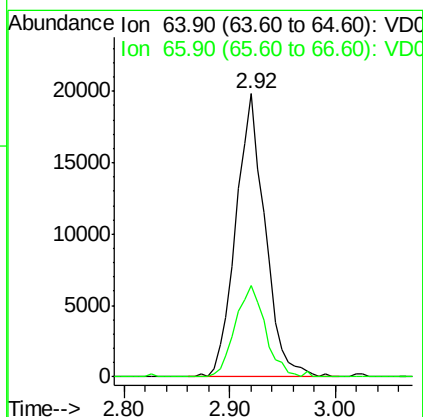
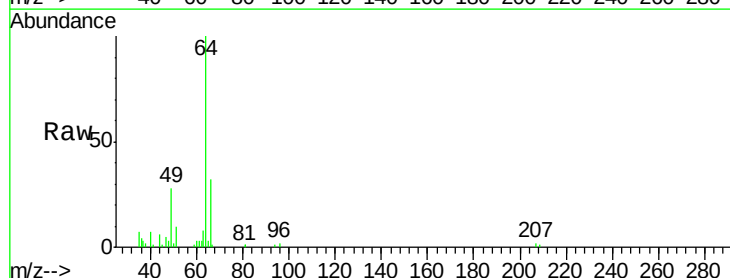
Acq: 08 Jul 2020 13:35

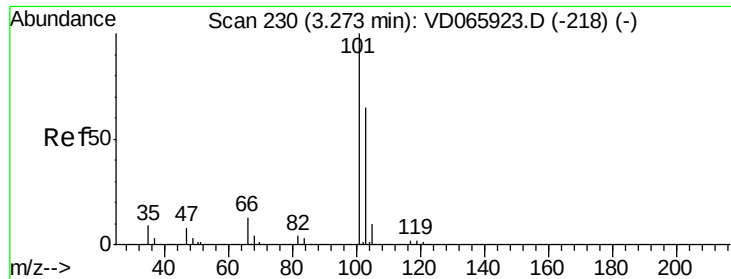
Tgt Ion: 64 Resp: 38024

Ion Ratio Lower Upper

64 100

66 32.5 22.6 33.8





#7

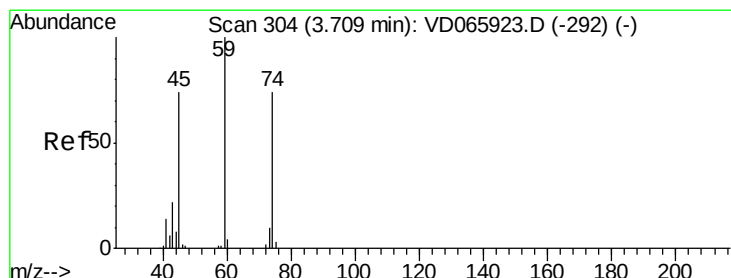
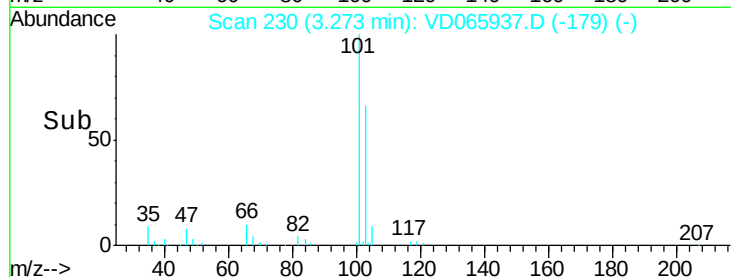
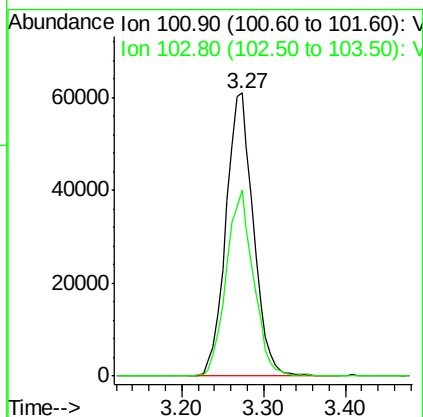
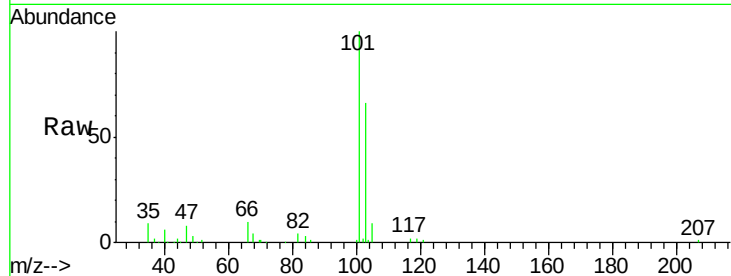
Trichlorofluoromethane
 Concen: 20.165 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065937.D
 Acq: 08 Jul 2020 13:35

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 VD0708SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	142611		
103	65.5	51.7	77.5	

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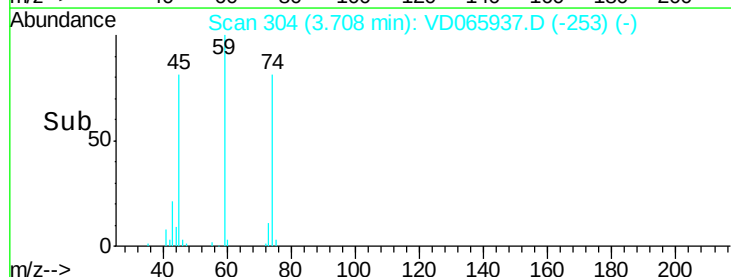
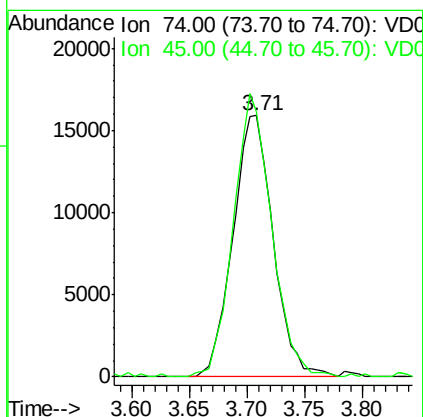
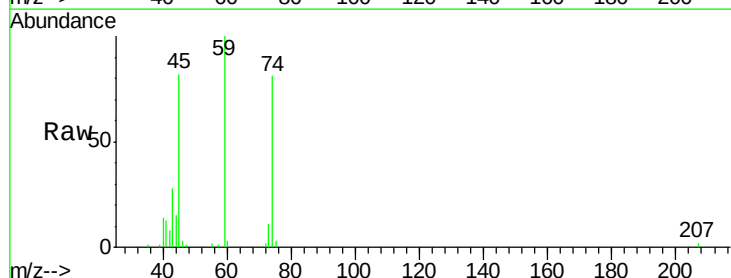
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 7/9/2020 10:48:15 AM

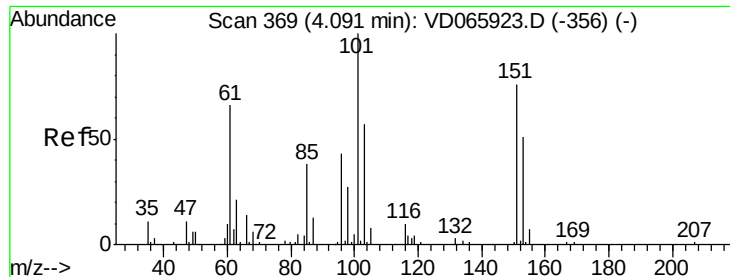


#8

Diethyl Ether
 Concen: 19.828 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065937.D
 Acq: 08 Jul 2020 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	38469		
45	103.1	51.1	153.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.571 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065937.D

Acq: 08 Jul 2020 13:35

Instrument :

MSVOA_D

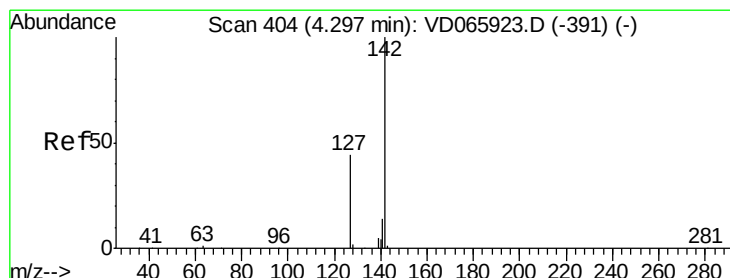
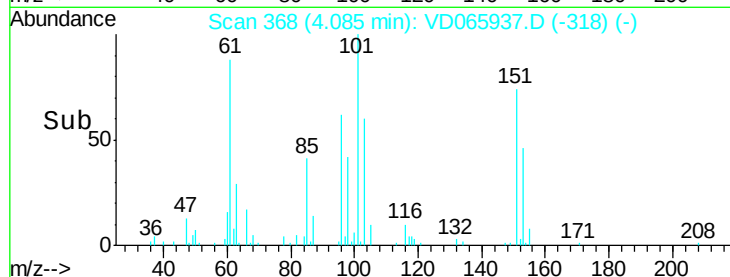
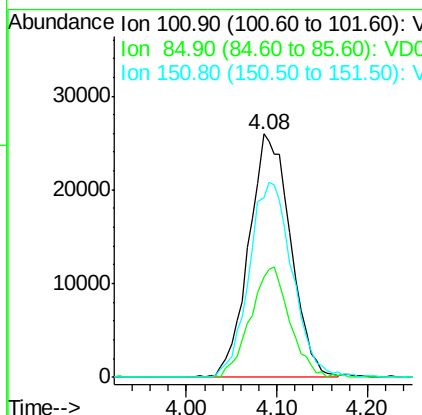
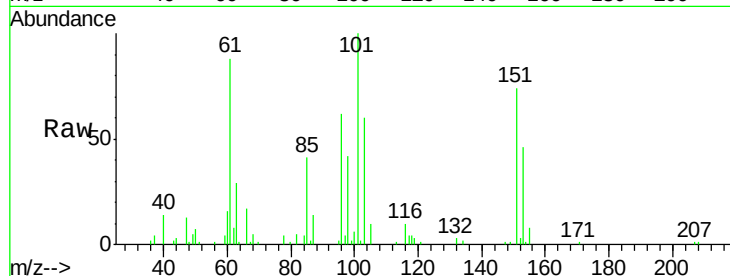
ClientSampleId :

VD0708SBS01

Tot Ion:	101	Resp:	82788
Ion Ratio	Lower	Upper	
101	100		
85	42.5	33.8	50.8
151	83.0	64.1	96.1

Manual Integrations
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#10

Methyl Iodide

Concen: 20.022 ug/l

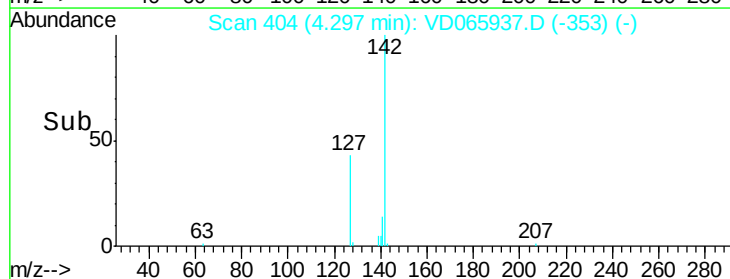
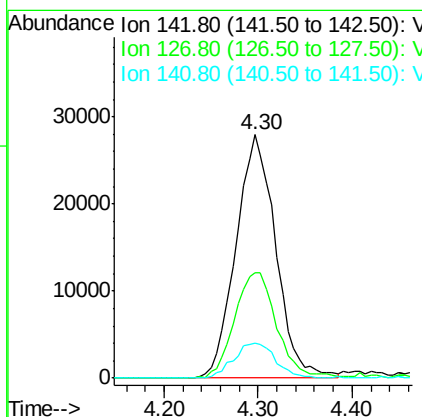
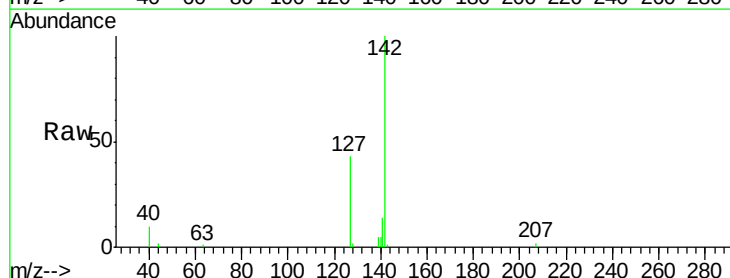
RT: 4.30 min Scan# 404

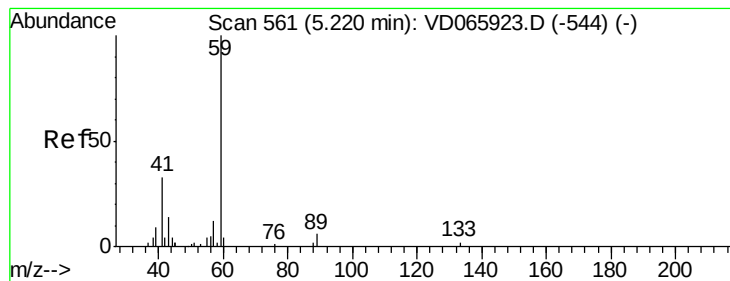
Delta R.T. 0.00 min

Lab File: VD065937.D

Acq: 08 Jul 2020 13:35

Tgt Ion:	142	Resp:	82140
Ion Ratio	Lower	Upper	
142	100		
127	45.6	34.6	51.8
141	14.9	11.6	17.4





#11

Tert butyl alcohol

Concen: 98.933 ug/l m

RT: 5.22 min Scan# 561

Delta R.T. 0.00 min

Lab File: VD065937.D

Acq: 08 Jul 2020 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBS01

Tot Ion: 59 Resp: 25666

Ion Ratio Lower Upper

59 100

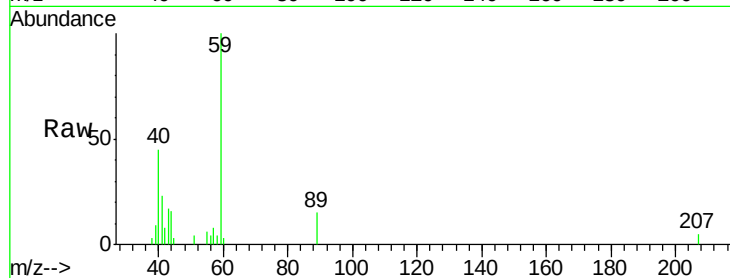
57 4.8 8.7 13.1#

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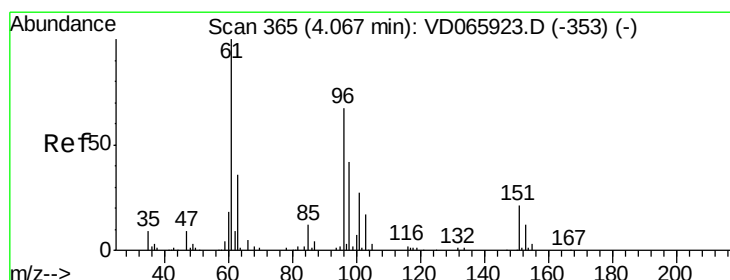
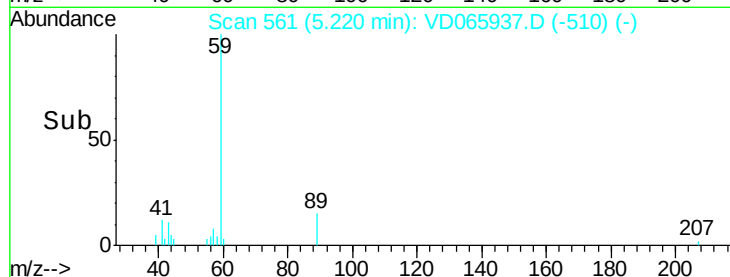
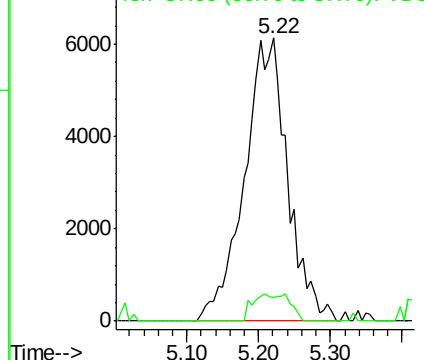
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Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 19.836 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.01 min

Lab File: VD065937.D

Acq: 08 Jul 2020 13:35

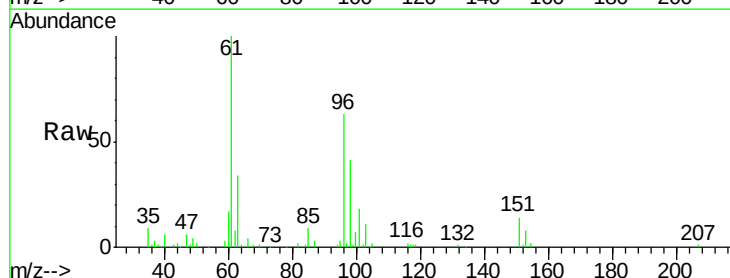
Tgt Ion: 96 Resp: 78391

Ion Ratio Lower Upper

96 100

61 159.9 120.2 180.2

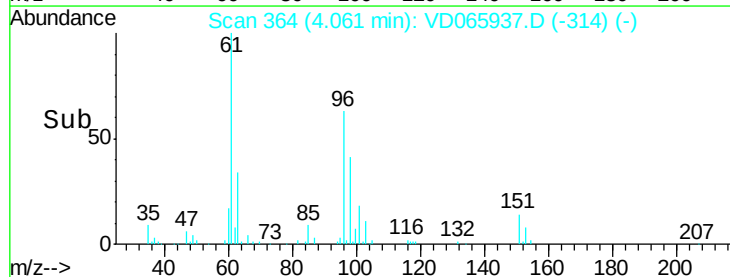
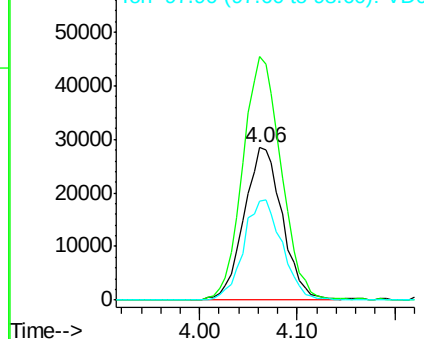
98 65.1 50.6 76.0

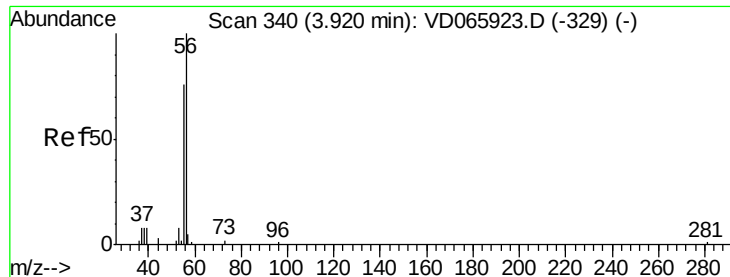


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





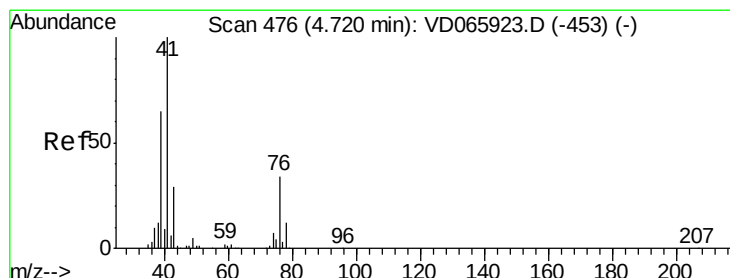
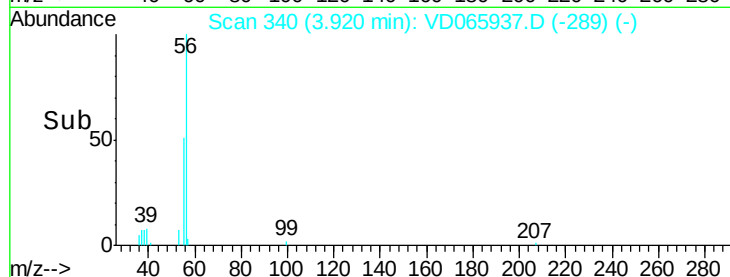
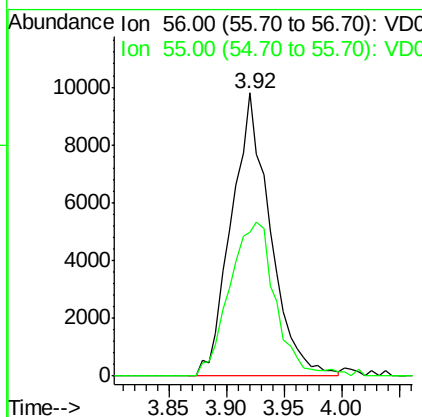
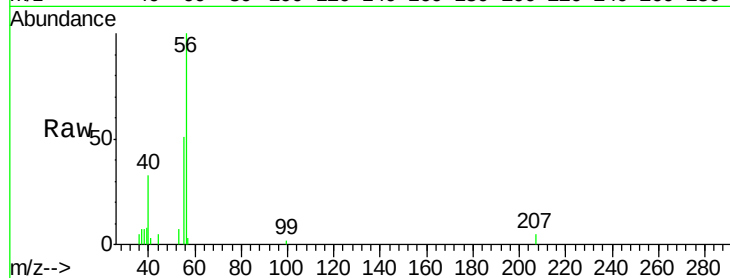
#13
Acrolein
Concen: 110.949 ug/l
RT: 3.92 min Scan# 340
Delta R.T. 0.00 min
Lab File: VD065937.D
Acq: 08 Jul 2020 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0708SBS01

Tot Ion	56	Resp	22937
Ion Ratio	100	Lower	Upper
55	64.2	55.0	82.6

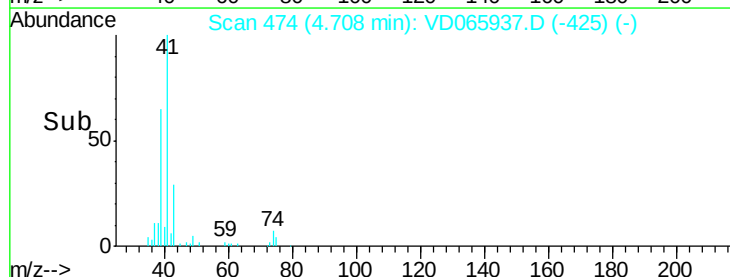
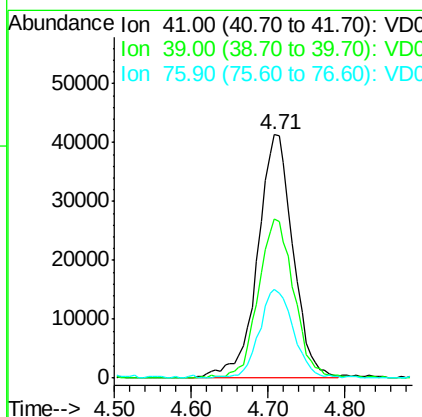
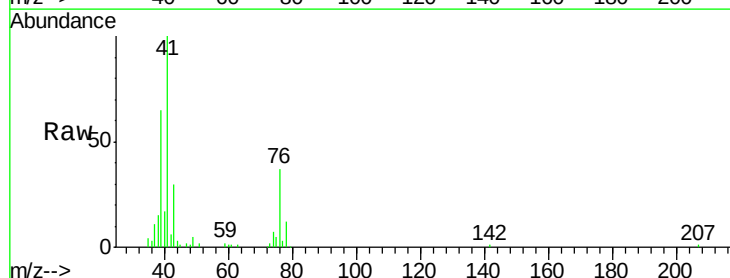
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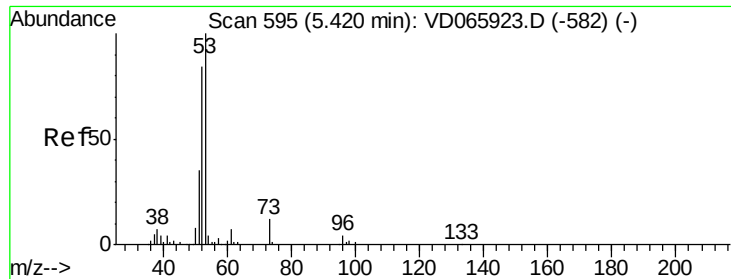
MMDadoda
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#14
Allyl chloride
Concen: 19.743 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD065937.D
Acq: 08 Jul 2020 13:35

Tgt Ion	41	Resp	132223
Ion Ratio	100	Lower	Upper
39	65.9	52.2	78.4
76	35.3	28.1	42.1





#15

Acrylonitrile

Concen: 97.709 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD065937.D

Acq: 08 Jul 2020 13:35

Instrument :

MSVOA_D

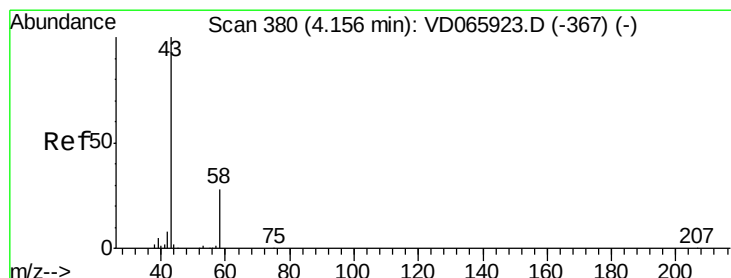
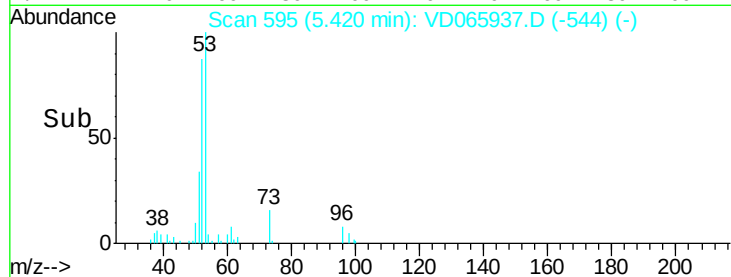
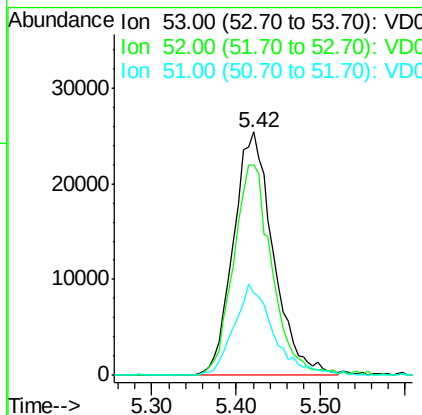
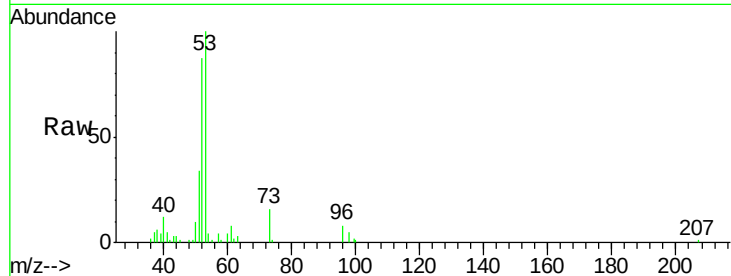
ClientSampleId :

VD0708SBS01

Tot Ion:	53	Resp:	83001
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.3	99.5
51	37.0	29.8	44.8

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#16

Acetone

Concen: 91.700 ug/l

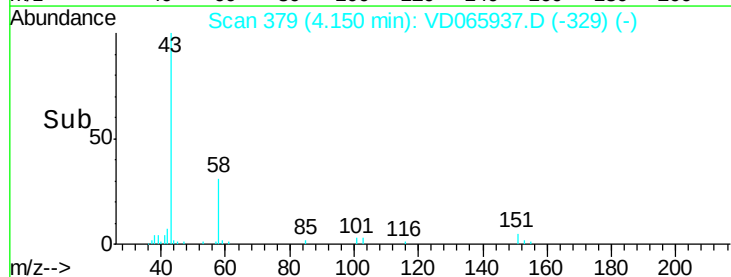
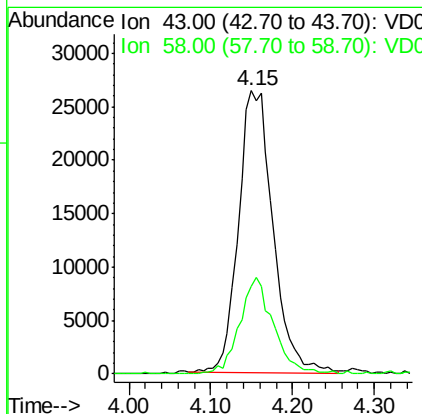
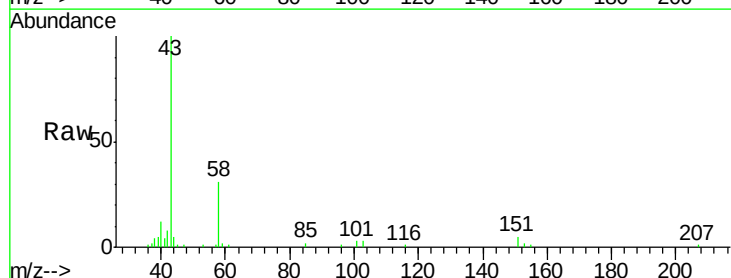
RT: 4.15 min Scan# 379

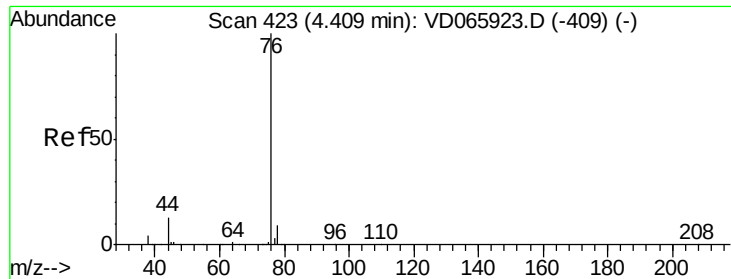
Delta R.T. -0.01 min

Lab File: VD065937.D

Acq: 08 Jul 2020 13:35

Tgt Ion:	43	Resp:	77664
Ion	Ratio	Lower	Upper
43	100		
58	31.0	22.7	34.1





#17

Carbon Disulfide

Concen: 20.080 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD065937.D

Acq: 08 Jul 2020 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBS01

Tot Ion: 76 Resp: 252845

Ion Ratio Lower Upper

76 100

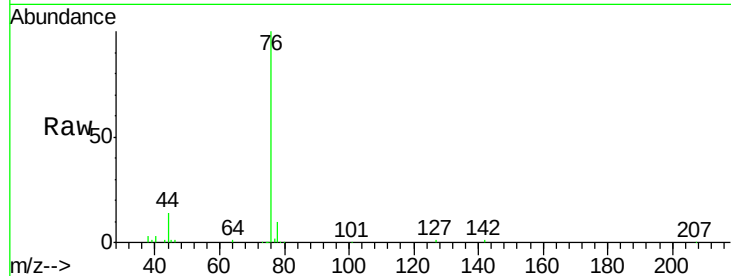
78 9.6 7.5 11.3

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.41

80000

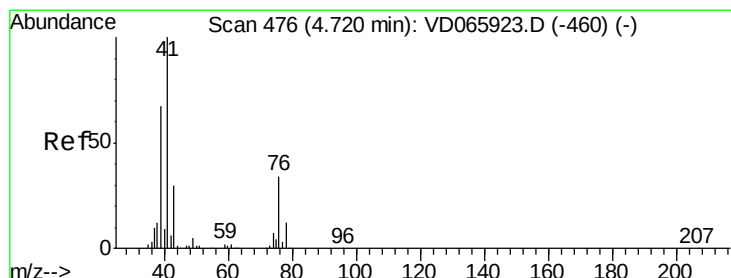
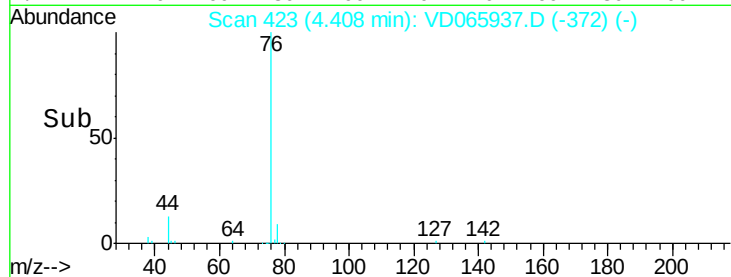
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 19.077 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065937.D

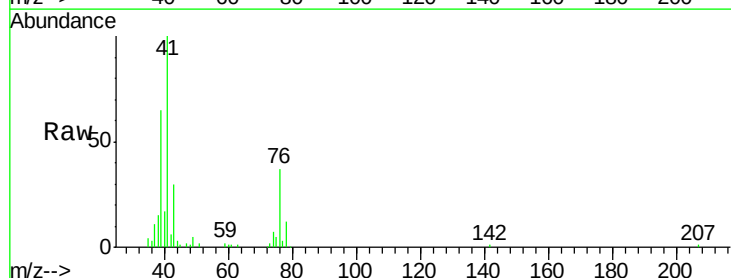
Acq: 08 Jul 2020 13:35

Tgt Ion: 43 Resp: 37874

Ion Ratio Lower Upper

43 100

74 25.4 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

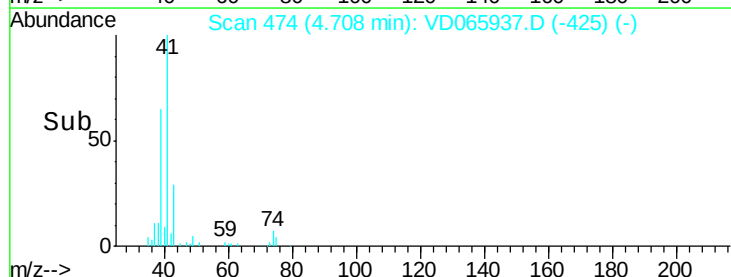
4.71

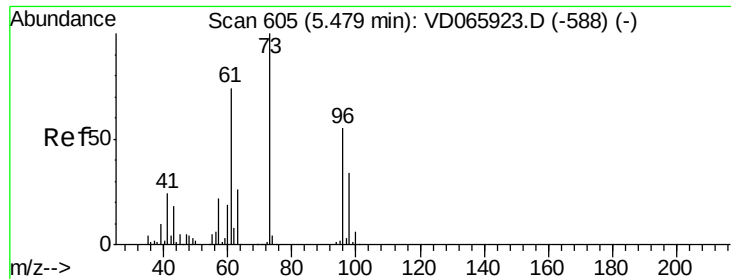
10000

5000

0

Time-->





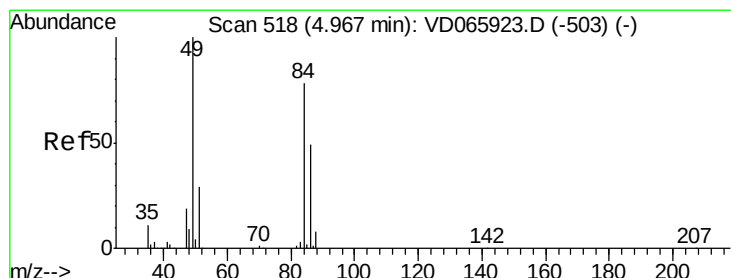
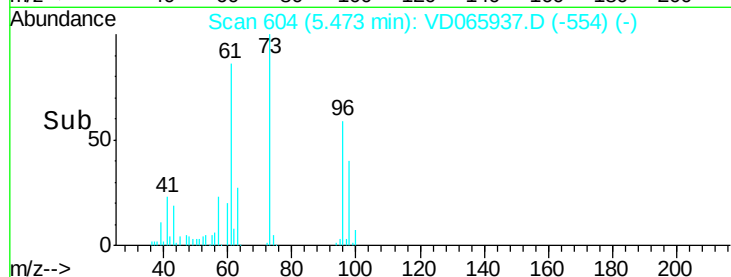
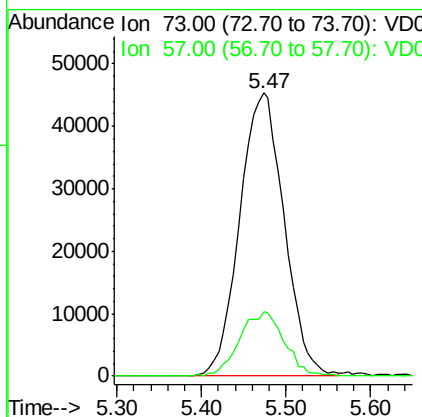
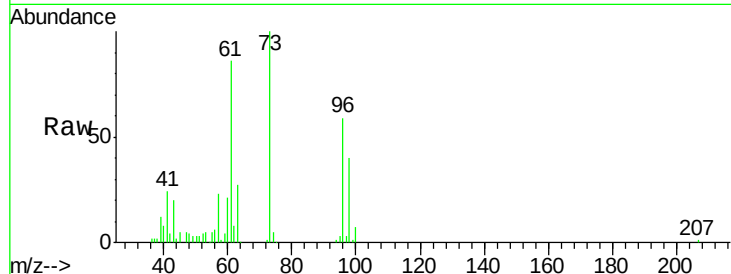
#19
Methyl tert-butyl Ether
Concen: 19.757 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD065937.D
Acq: 08 Jul 2020 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0708SBS01

Tot Ion: 73 Resp: 165303
Ion Ratio Lower Upper
73 100
57 22.9 17.7 26.5

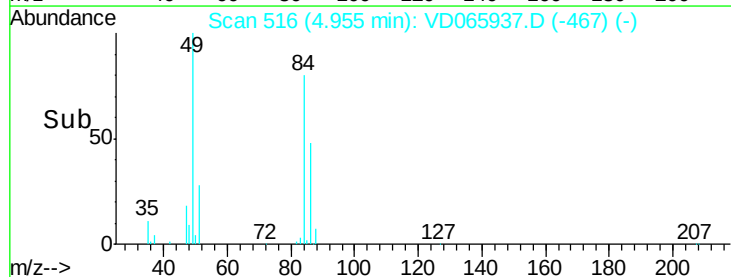
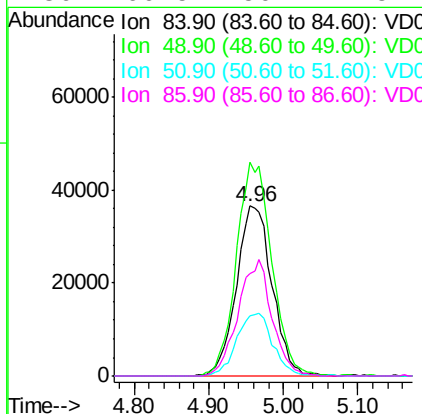
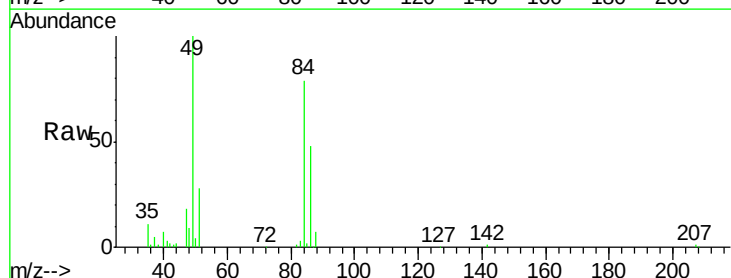
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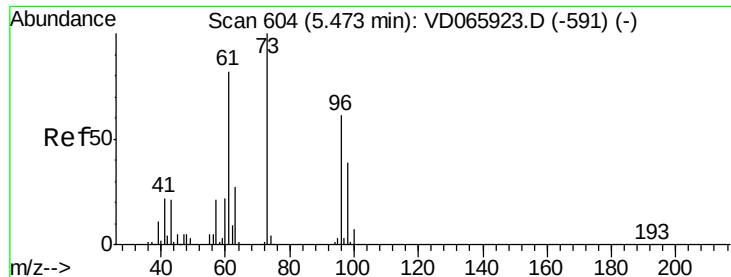
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#20
Methylene Chloride
Concen: 20.867 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD065937.D
Acq: 08 Jul 2020 13:35

Tgt Ion: 84 Resp: 121091
Ion Ratio Lower Upper
84 100
49 125.8 102.2 153.2
51 35.7 29.8 44.6
86 60.5 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 20.316 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065937.D

Acq: 08 Jul 2020 13:35

Instrument :

MSVOA_D

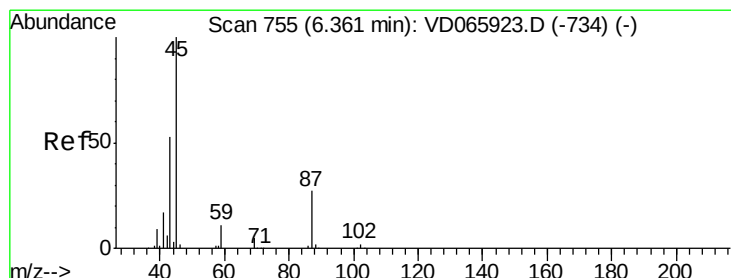
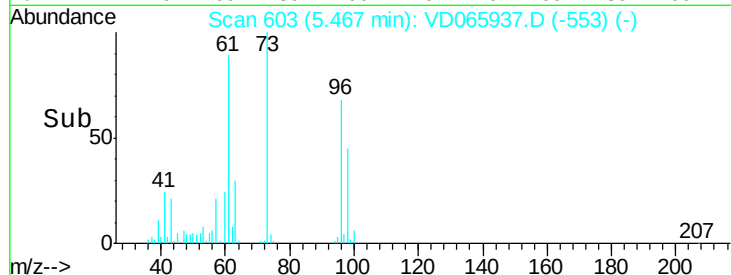
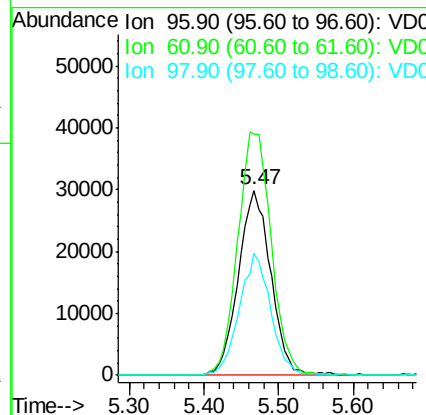
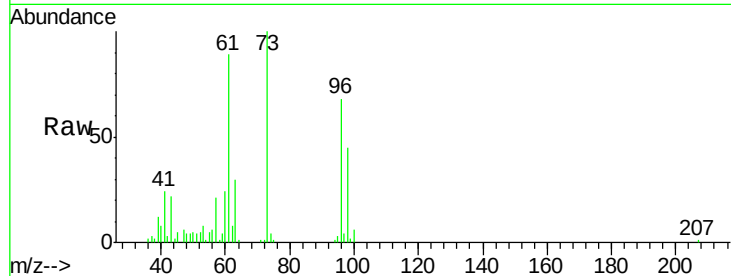
ClientSampleId :

VD0708SBS01

Tot Ion:	96	Resp:	90330
Ion	Ratio	Lower	Upper
96	100		
61	130.4	106.6	160.0
98	66.3	51.0	76.6

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#22

Diisopropyl ether

Concen: 20.323 ug/l

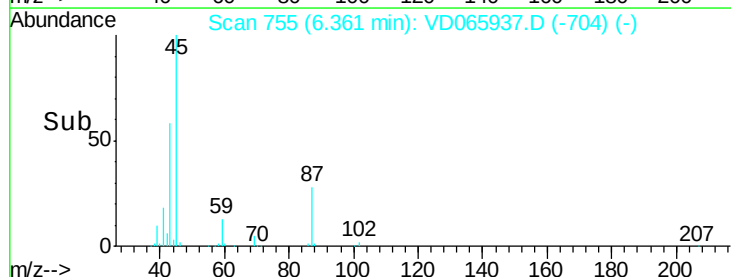
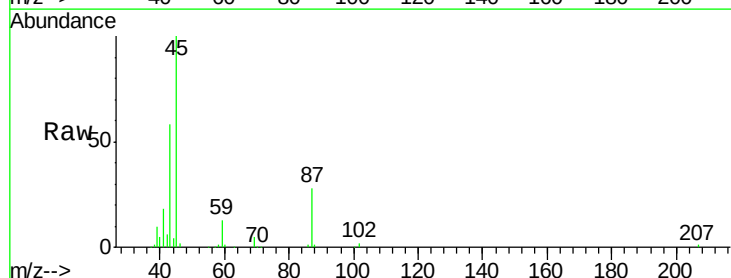
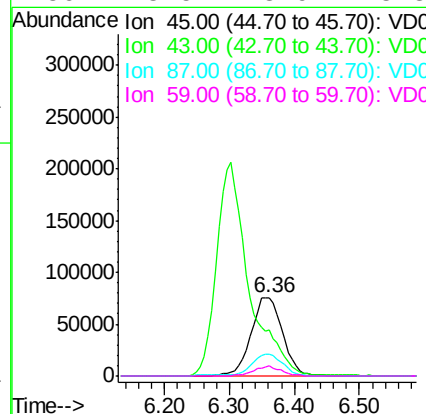
RT: 6.36 min Scan# 755

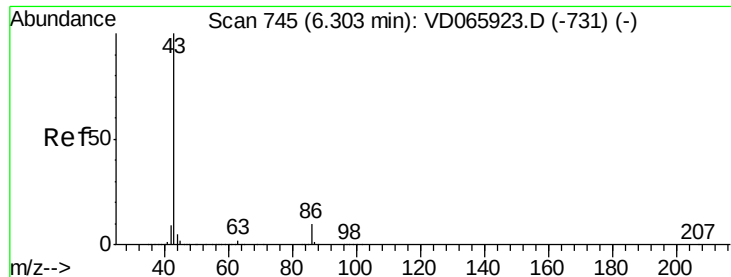
Delta R.T. -0.00 min

Lab File: VD065937.D

Acq: 08 Jul 2020 13:35

Tgt Ion:	45	Resp:	255779
Ion	Ratio	Lower	Upper
45	100		
43	56.9	42.5	63.7
87	27.9	22.2	33.2
59	13.5	8.9	13.3#





#23

Vinyl Acetate

Concen: 98.993 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD065937.D

Acq: 08 Jul 2020 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBS01

Tot Ion: 43 Resp: 711156

Ion Ratio Lower Upper

43 100

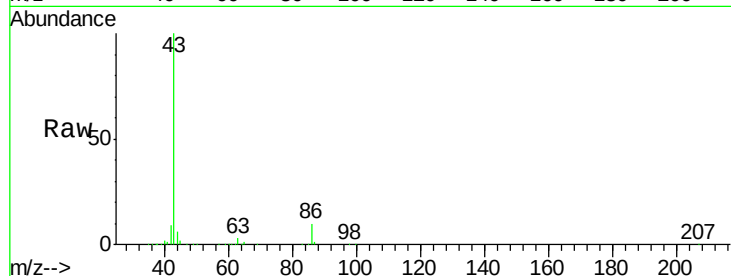
86 10.4 8.1 12.1

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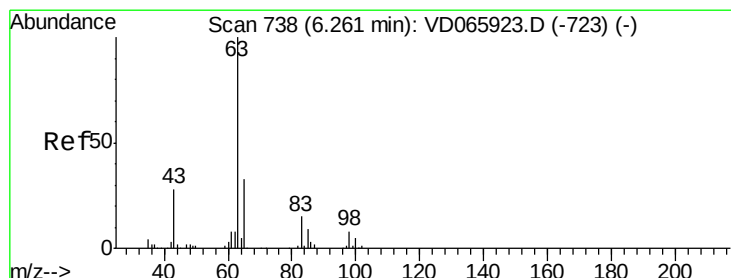
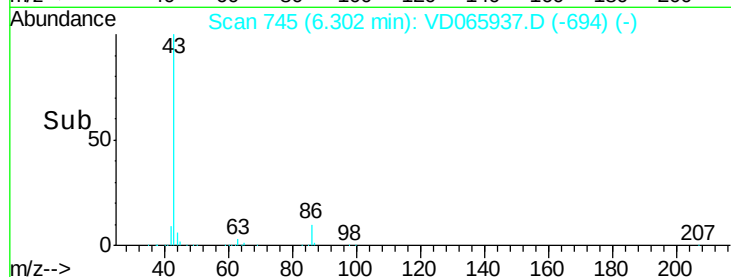
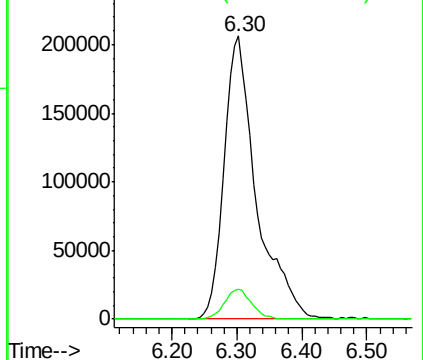
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.243 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD065937.D

Acq: 08 Jul 2020 13:35

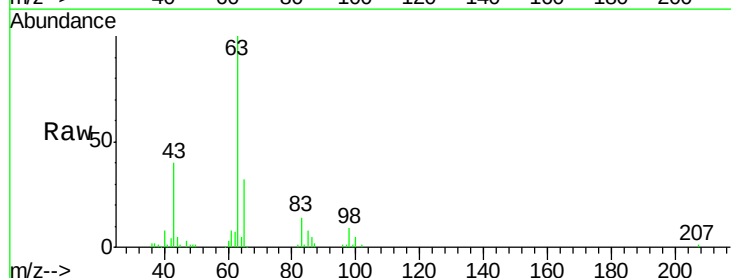
Tgt Ion: 63 Resp: 151918

Ion Ratio Lower Upper

63 100

98 8.8 3.8 11.4

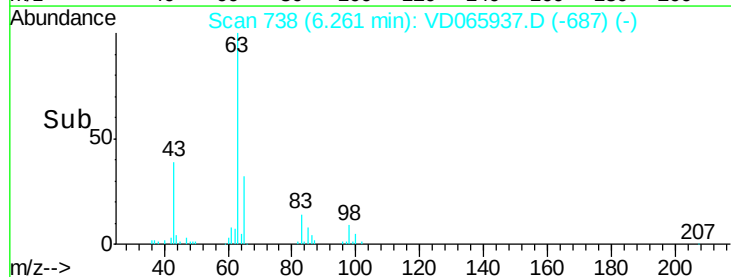
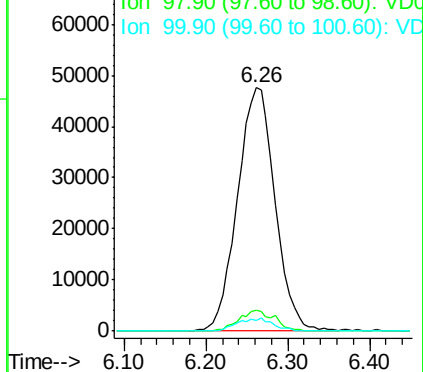
100 4.5 2.5 7.5

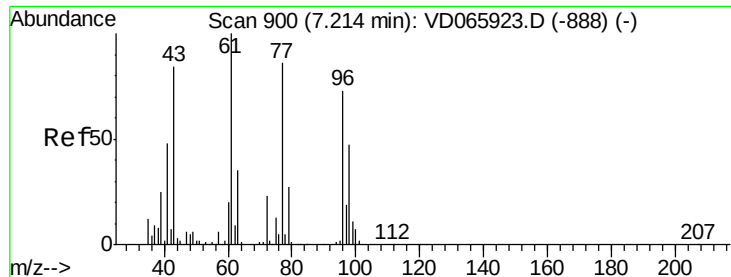


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 95.113 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065937.D

Acq: 08 Jul 2020 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBS01

Tot Ion: 43 Resp: 106445

Ion Ratio Lower Upper

43 100

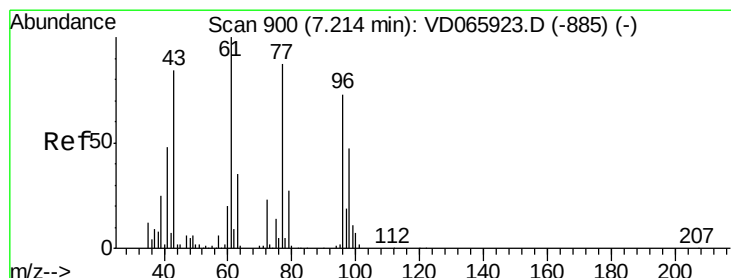
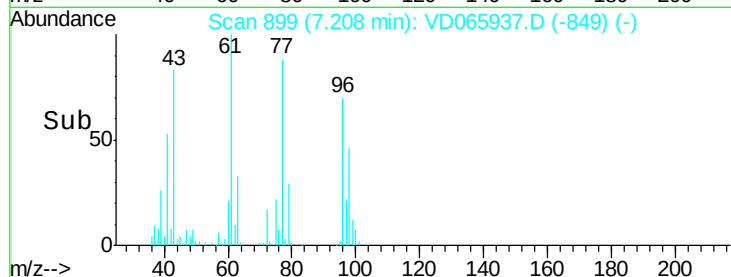
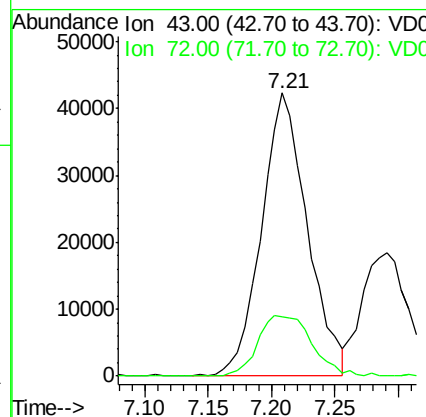
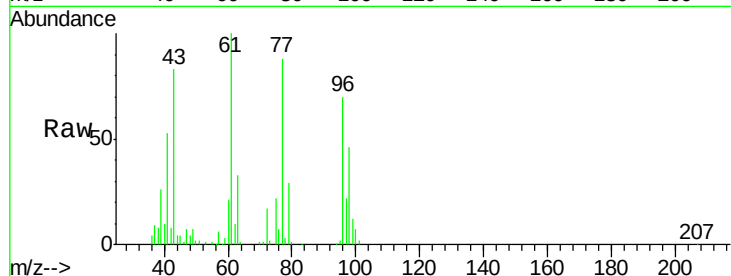
72 20.8 22.1 33.1#

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#26

2,2-Dichloropropane

Concen: 20.115 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD065937.D

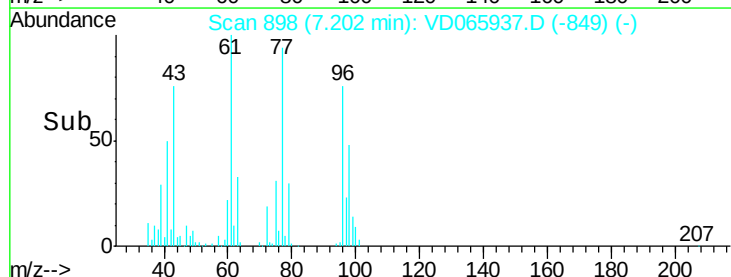
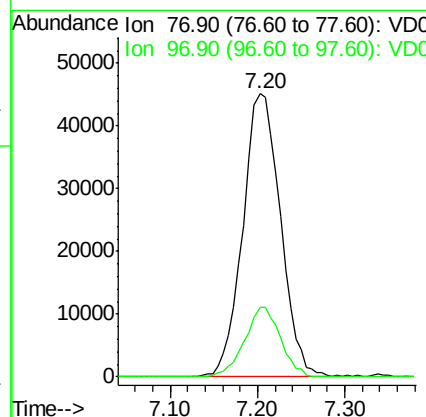
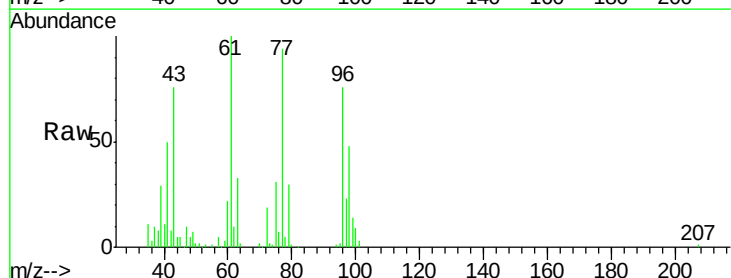
Acq: 08 Jul 2020 13:35

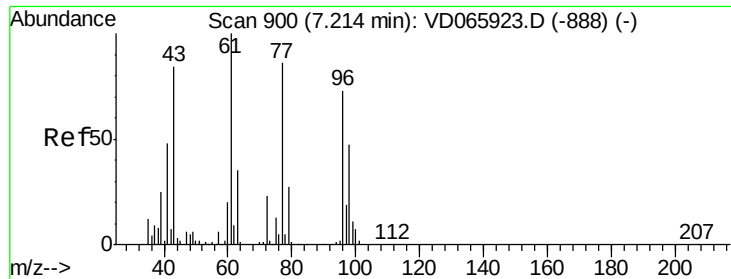
Tgt Ion: 77 Resp: 132059

Ion Ratio Lower Upper

77 100

97 23.4 11.6 34.8





#27

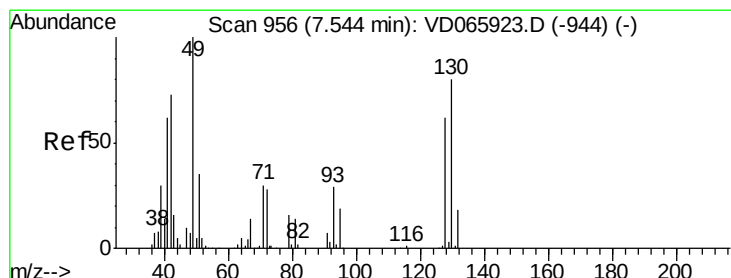
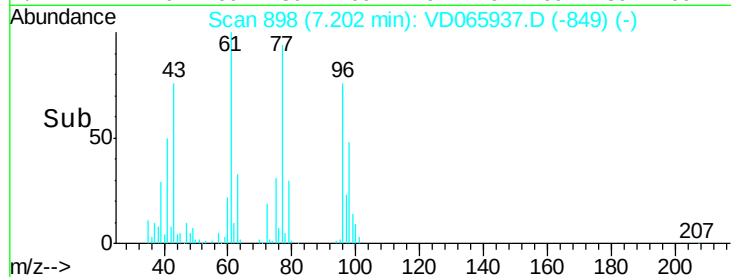
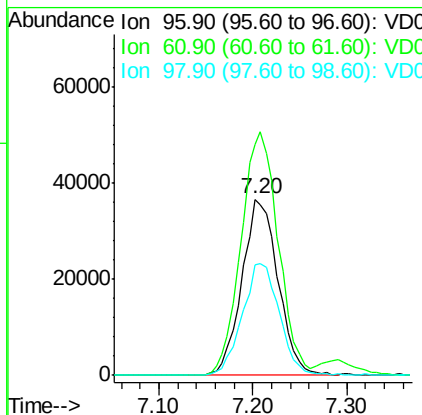
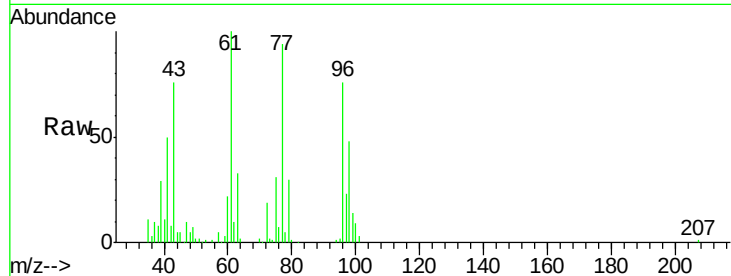
cis-1,2-Dichloroethene
 Concen: 20.451 ug/l
 RT: 7.20 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VD065937.D
 Acq: 08 Jul 2020 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0708SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.4	0.0	286.6
98	64.7	0.0	128.2

Manual Integrations
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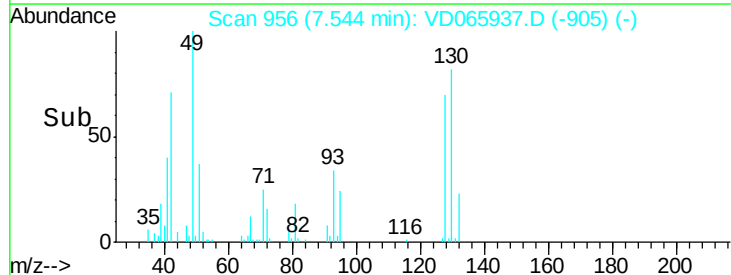
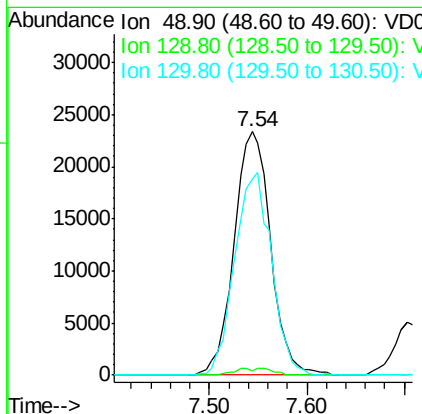
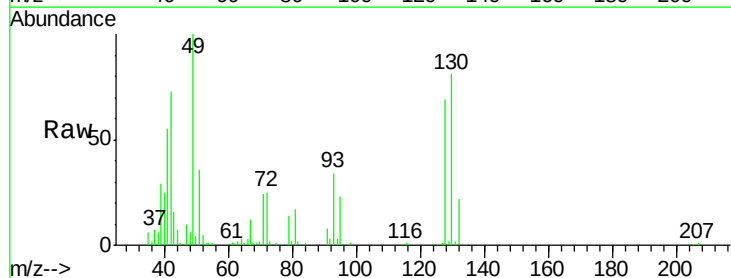
MMDadoda
 7/9/2020 10:48:15 AM

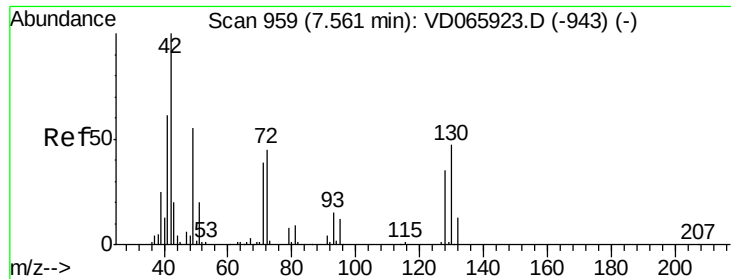


#28

Bromochloromethane
 Concen: 21.496 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.00 min
 Lab File: VD065937.D
 Acq: 08 Jul 2020 13:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	4.8
130	84.1	65.8	98.8





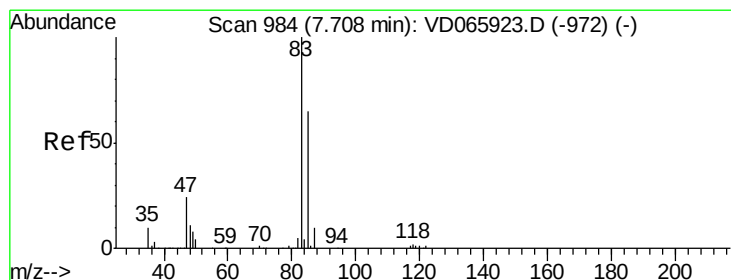
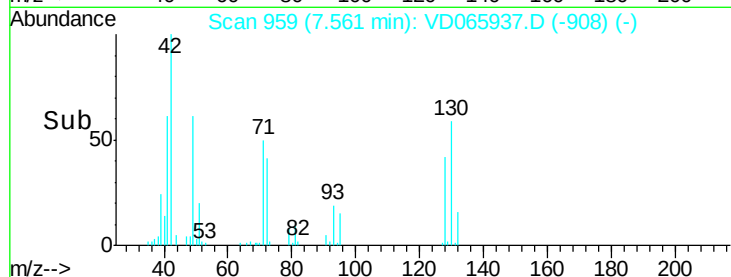
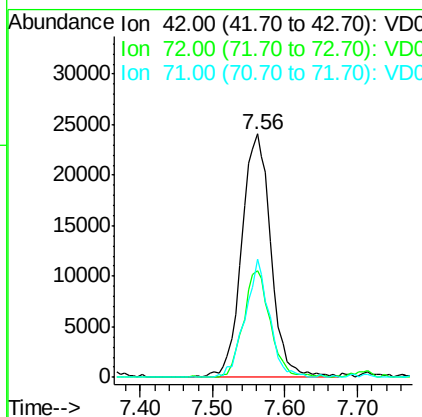
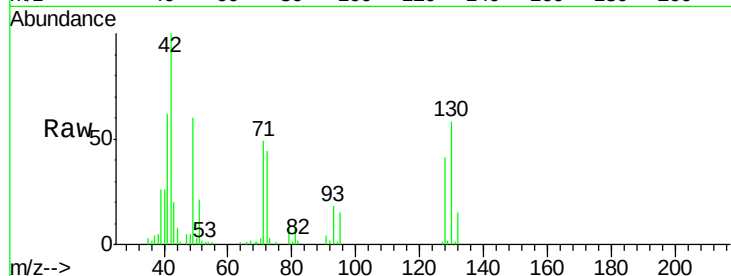
#29
Tetrahydrofuran
Concen: 94.536 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.00 min
Lab File: VD065937.D
Acq: 08 Jul 2020 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0708SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.6	32.8	49.2
71	40.1	31.0	46.4

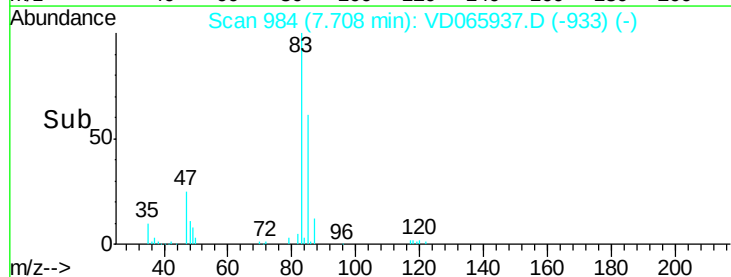
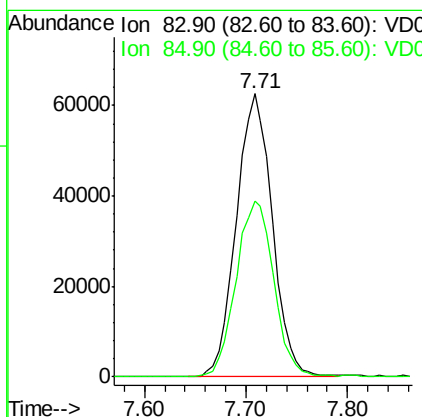
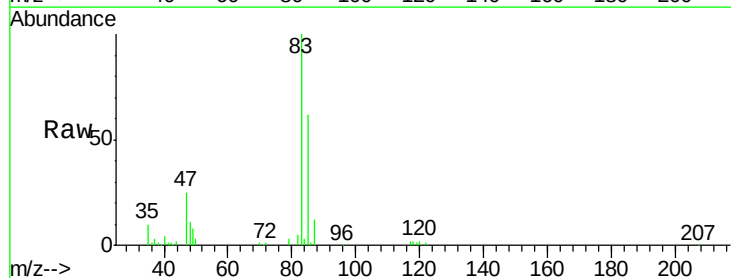
Manual Integrations
APPROVED

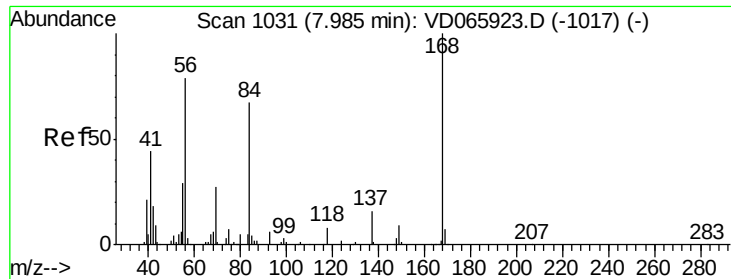
MMDadoda
7/9/2020 10:48:15 AM



#30
Chloroform
Concen: 20.257 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.00 min
Lab File: VD065937.D
Acq: 08 Jul 2020 13:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.9	51.6	77.4





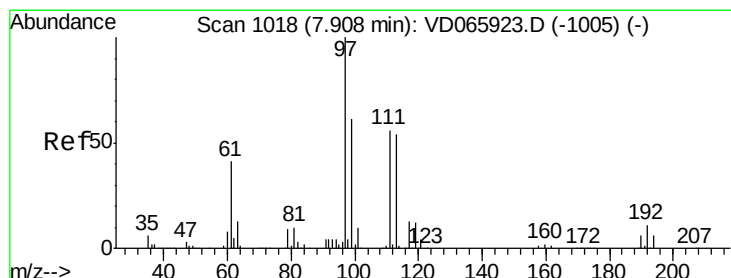
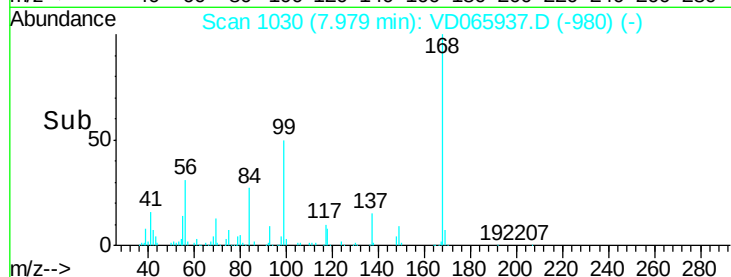
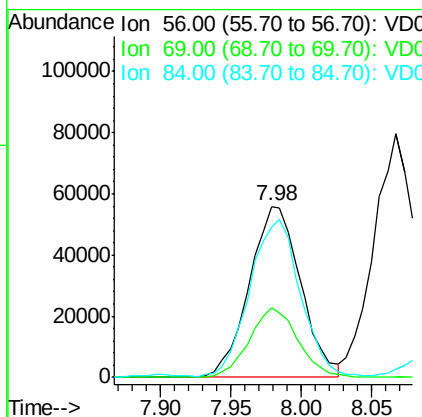
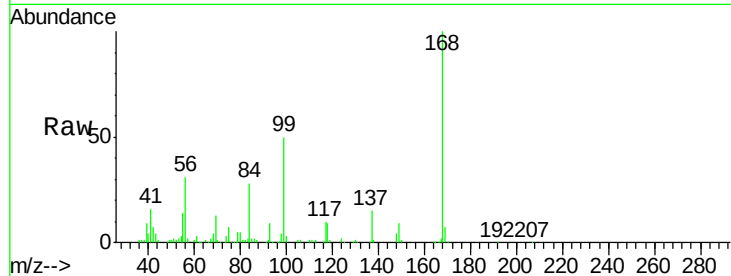
#31
Cyclohexane
Concen: 19.299 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065937.D
Acq: 08 Jul 2020 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0708SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.5	27.4	41.0
84	86.9	68.6	102.8

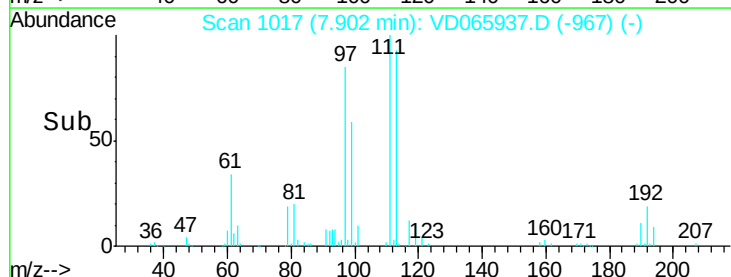
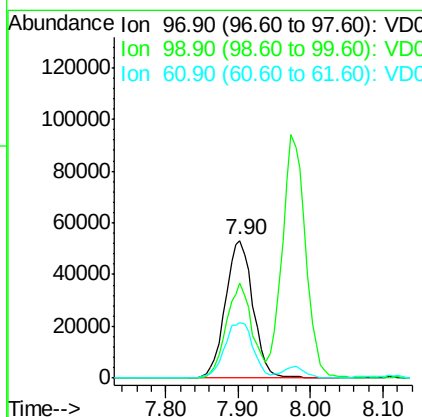
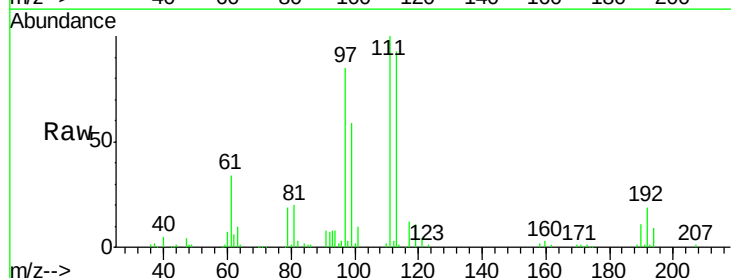
Manual Integrations
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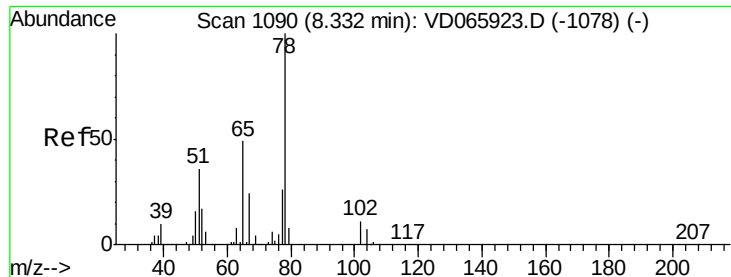
MMDadoda
7/9/2020 10:48:15 AM



#32
1,1,1-Trichloroethane
Concen: 20.208 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065937.D
Acq: 08 Jul 2020 13:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.6	77.4
61	41.5	33.6	50.4





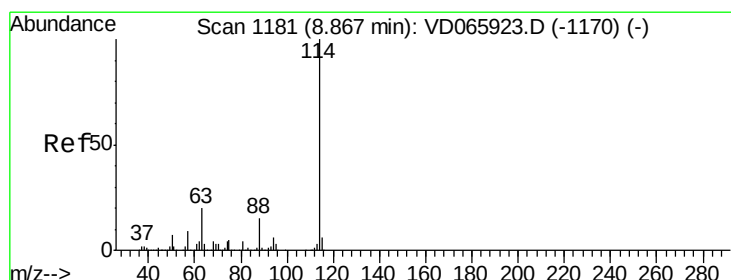
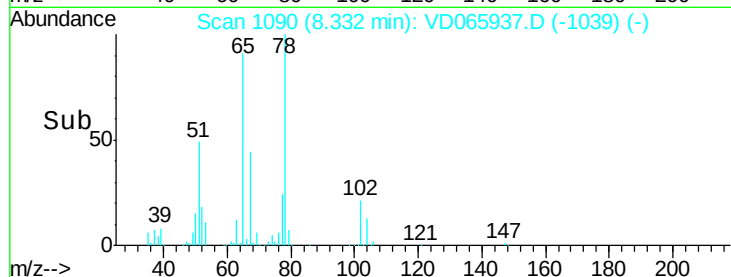
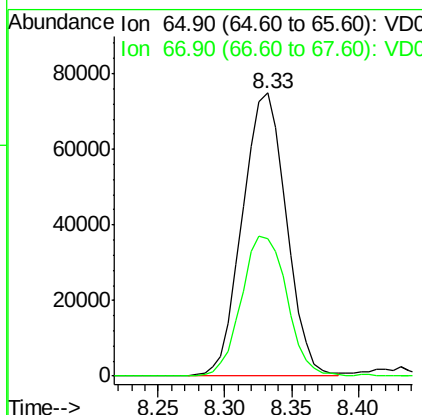
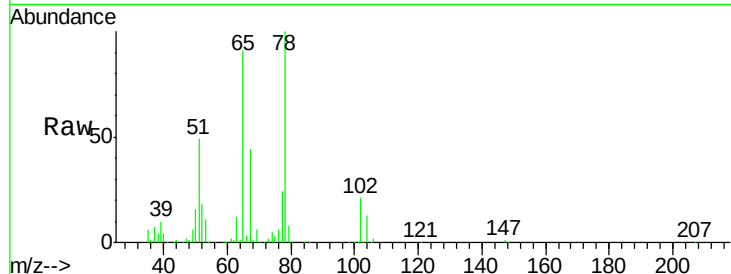
#33
 1,2-Dichloroethane-d4
 Concen: 47.345 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD065937.D
 Acq: 08 Jul 2020 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0708SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	171098		
67	51.2	0.0	105.6	

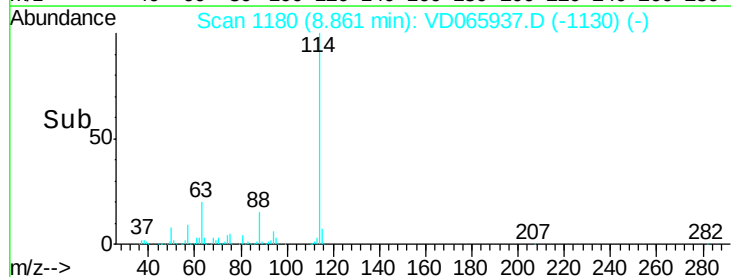
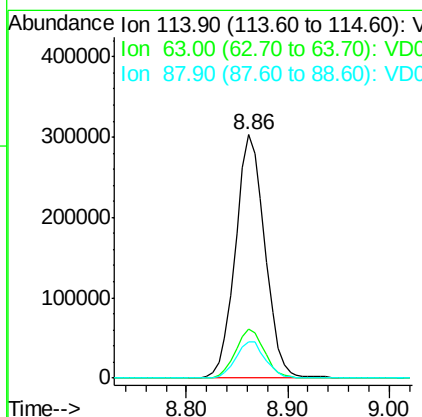
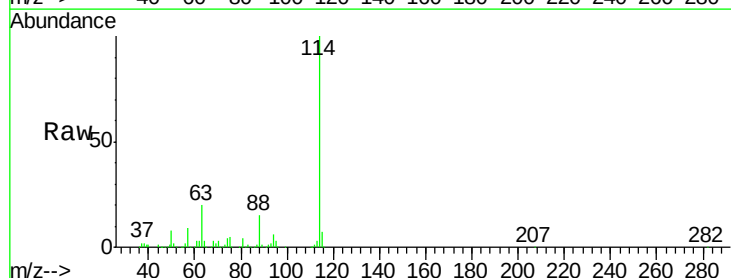
Manual Integrations
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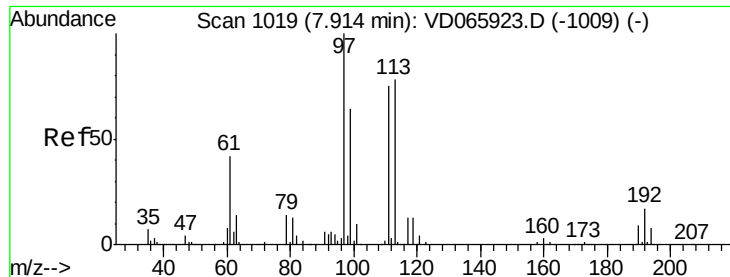
MMDadoda
 7/9/2020 10:48:15 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VD065937.D
 Acq: 08 Jul 2020 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	610771		
63	20.0	0.0	39.2	
88	15.1	0.0	30.0	





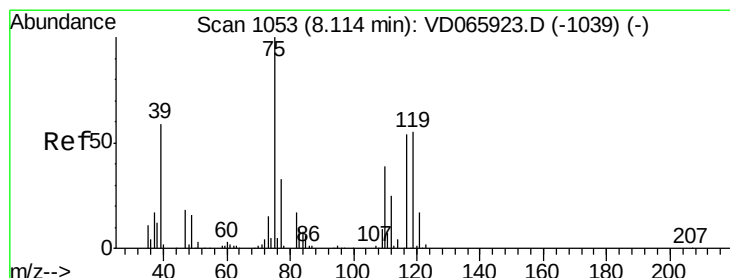
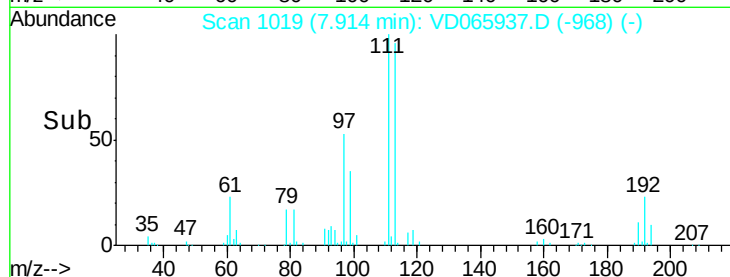
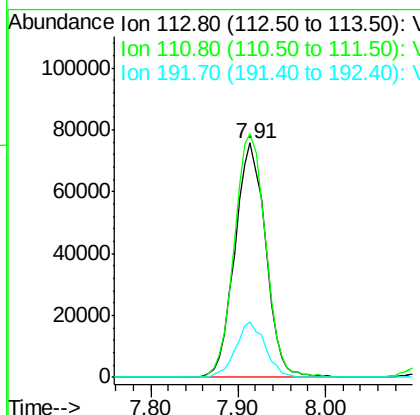
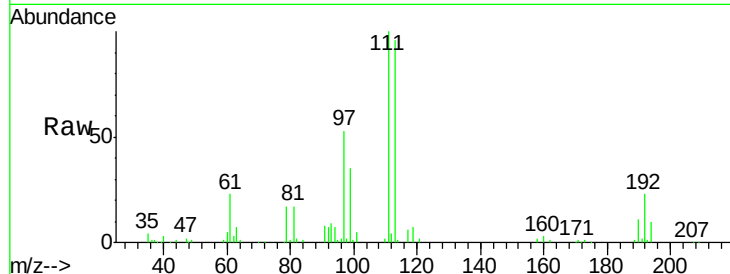
#35
 Dibromofluoromethane
 Concen: 48.023 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD065937.D
 Acq: 08 Jul 2020 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0708SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	180940		
111	105.8	80.9	121.3	
192	22.7	17.1	25.7	

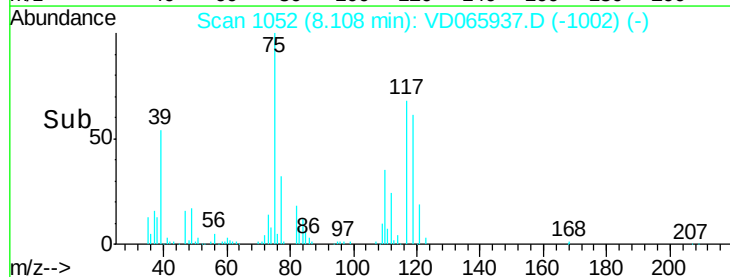
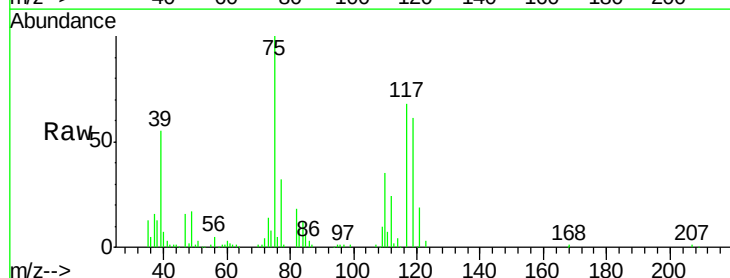
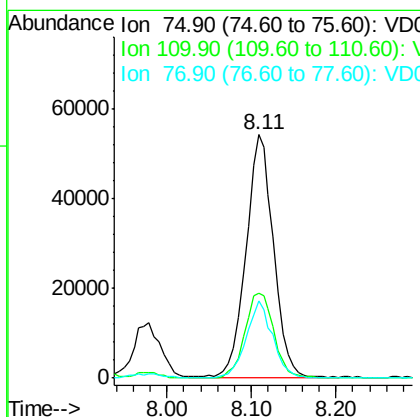
Manual Integrations
 APPROVED

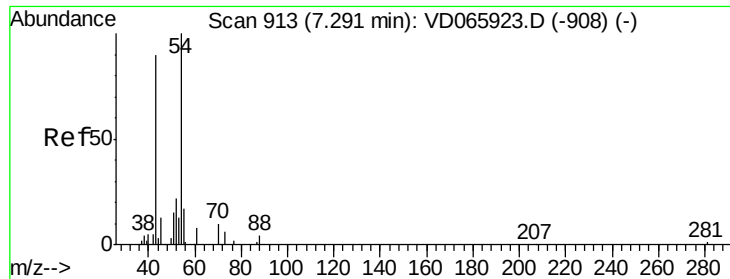
MMDadoda
 7/9/2020 10:48:15 AM



#36
 1,1-Dichloropropene
 Concen: 20.579 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD065937.D
 Acq: 08 Jul 2020 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	124136		
110	36.5	18.5	55.5	
77	30.2	25.6	38.4	





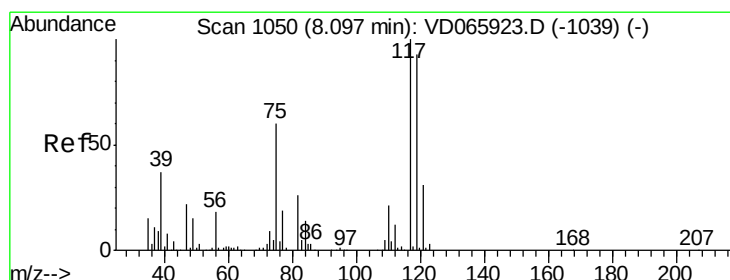
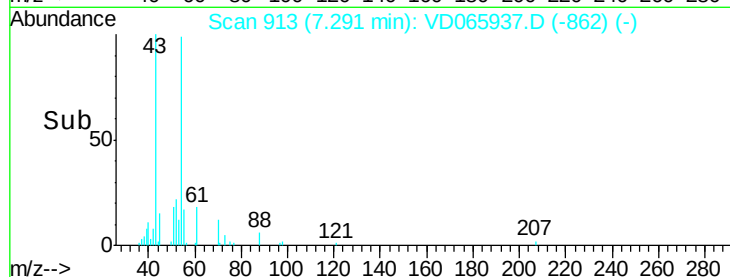
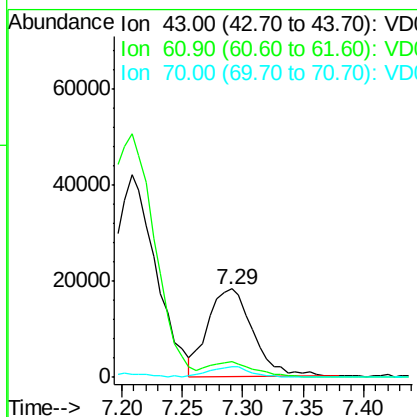
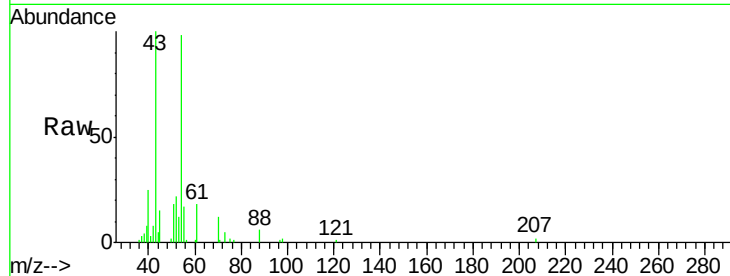
#37
Ethyl Acetate
Concen: 18.743 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD065937.D
Acq: 08 Jul 2020 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0708SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.0	9.4	14.0#
70	11.3	8.3	12.5

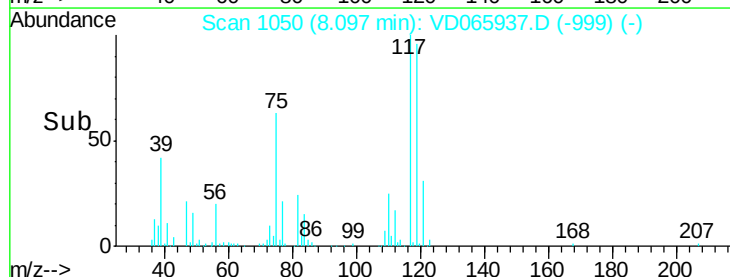
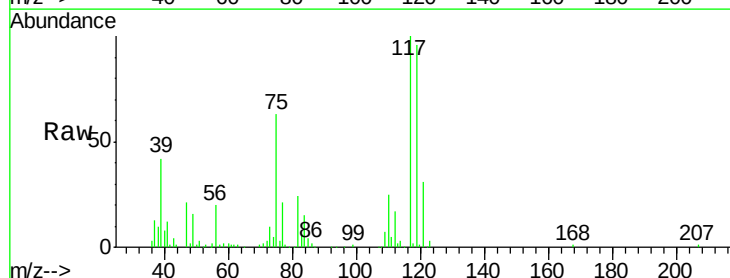
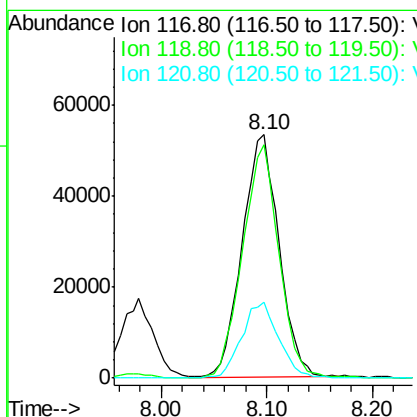
Manual Integrations
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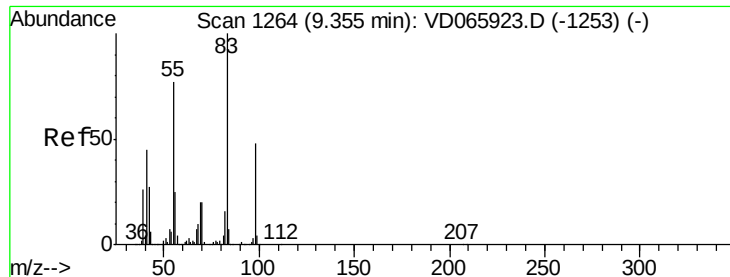
MMDadoda
7/9/2020 10:48:15 AM



#38
Carbon Tetrachloride
Concen: 19.968 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065937.D
Acq: 08 Jul 2020 13:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	74.7	112.1
121	31.5	24.9	37.3





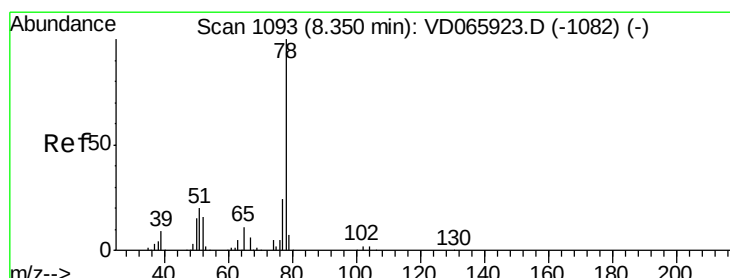
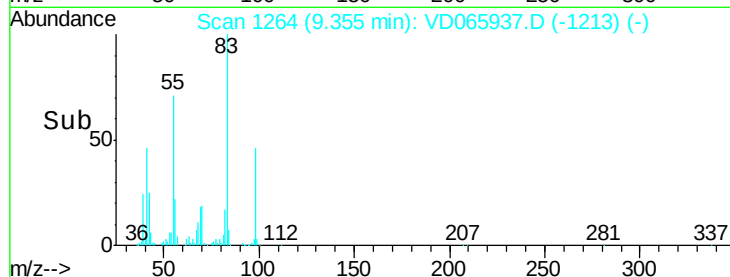
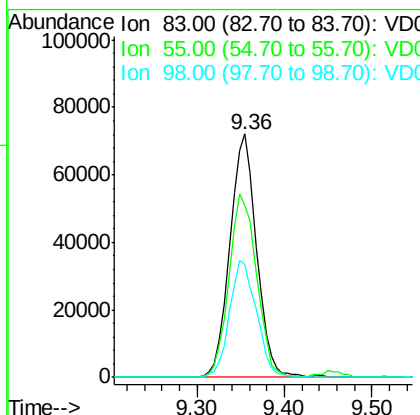
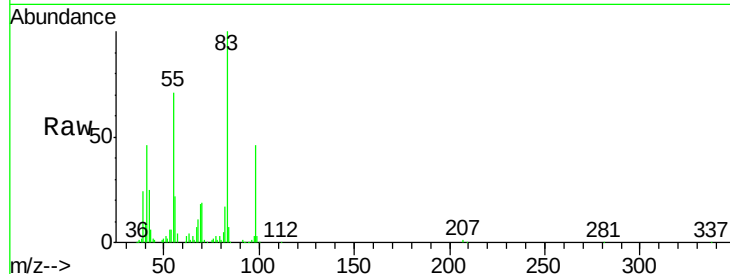
#39
Methylvlcyclohexane
Concen: 20.186 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065937.D
Acq: 08 Jul 2020 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0708SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	149494		
55	70.6		61.7	92.5
98	46.3		38.6	58.0

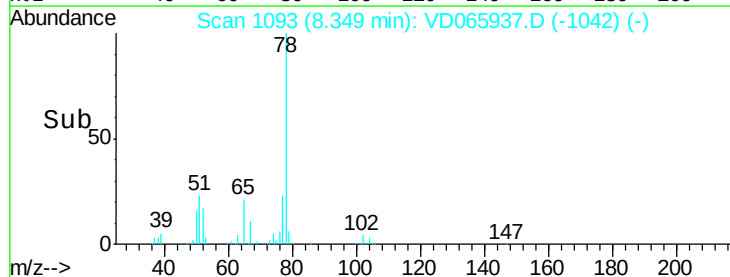
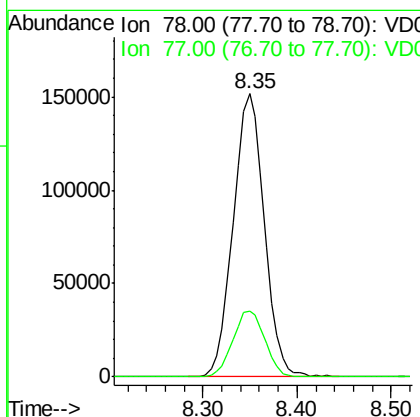
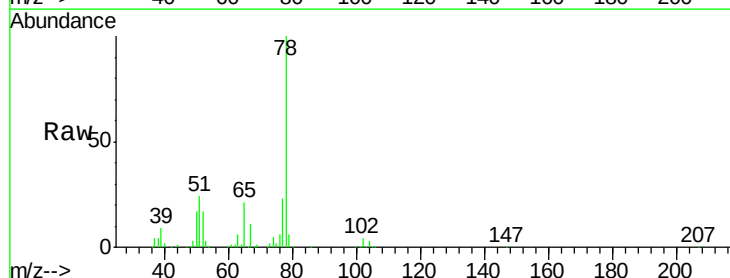
Manual Integrations
APPROVED

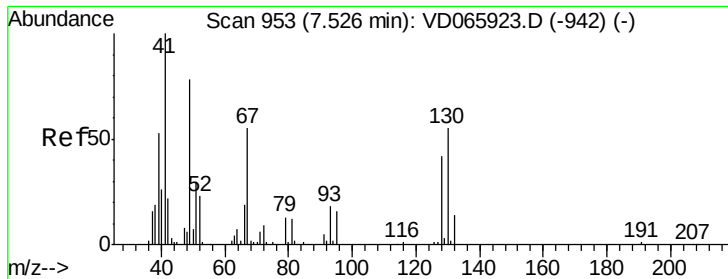
MMDadoda
7/9/2020 10:48:15 AM



#40
Benzene
Concen: 20.870 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD065937.D
Acq: 08 Jul 2020 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	347788		
77	23.2		19.4	29.0





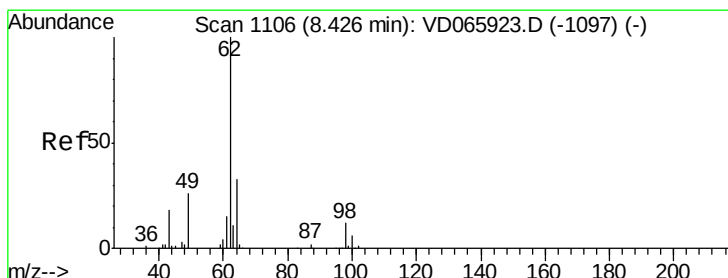
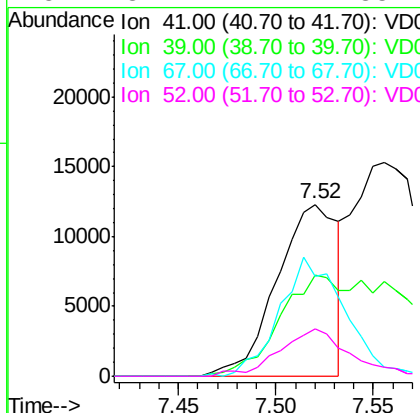
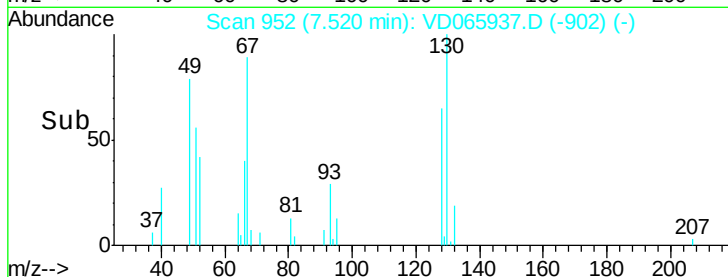
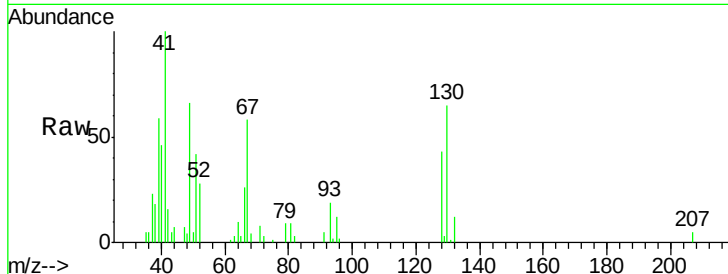
#41
Methacrylonitrile
Concen: 18.142 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD065937.D
Acq: 08 Jul 2020 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0708SBS01

Tot Ion	41	Resp	26622
Ion	Ratio	Lower	Upper
41	100		
39	64.9	42.4	63.6#
67	74.3	53.6	80.4
52	32.1	22.2	33.2

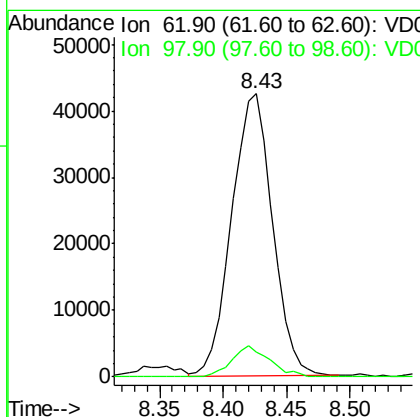
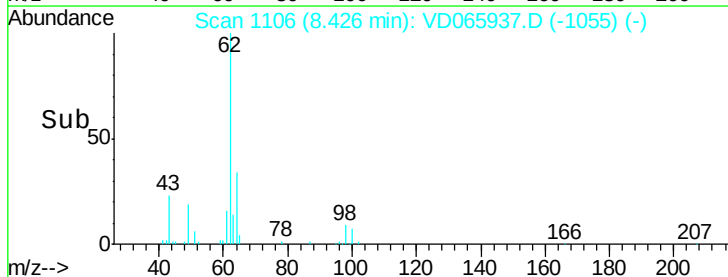
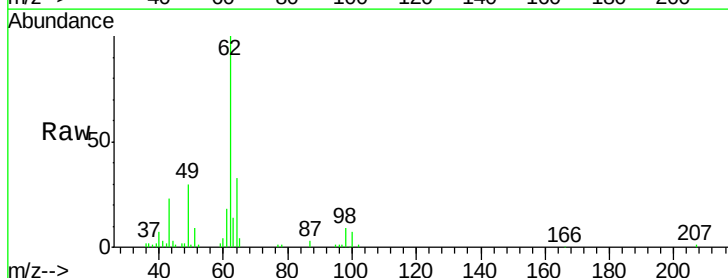
Manual Integrations
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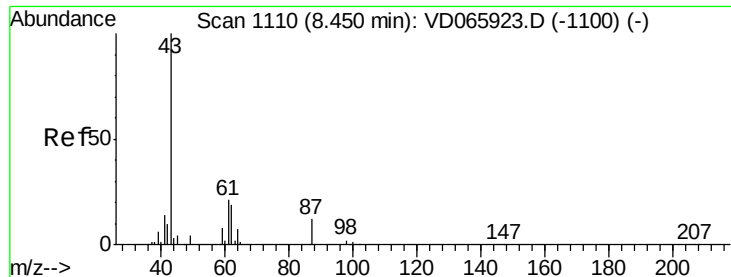
MMDadoda
7/9/2020 10:48:15 AM



#42
1,2-Dichloroethane
Concen: 20.068 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD065937.D
Acq: 08 Jul 2020 13:35

Tgt Ion	62	Resp	94743
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.0





#43

Isopropyl Acetate

Concen: 19.496 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD065937.D

Acq: 08 Jul 2020 13:35

Instrument :

MSVOA_D

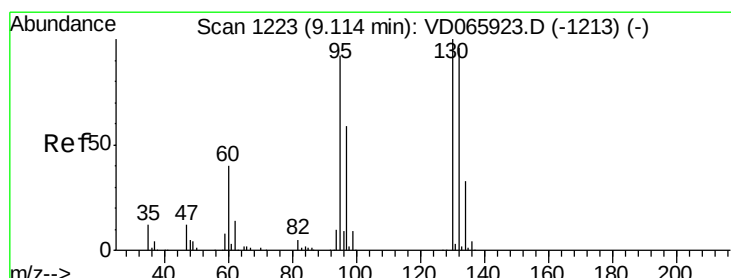
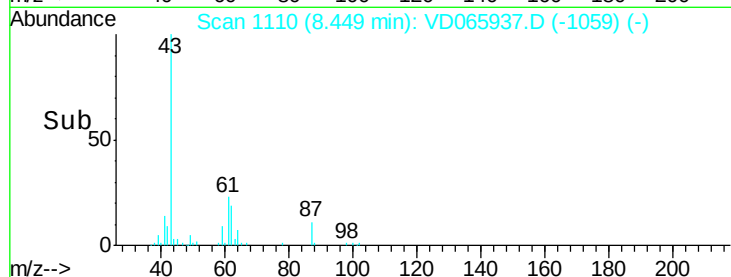
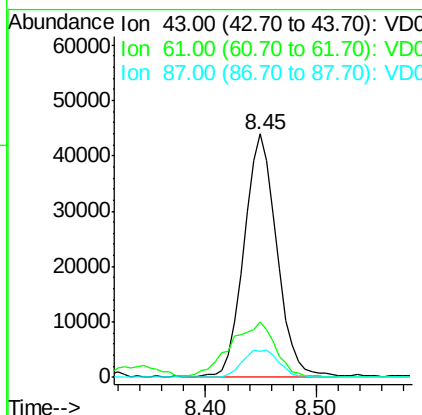
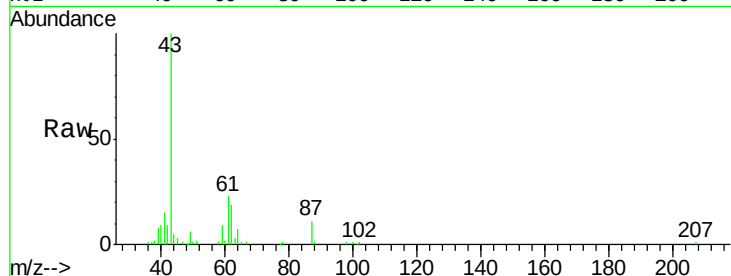
ClientSampleId :

VD0708SBS01

Tot Ion:	43	Resp:	91720
Ion	Ratio	Lower	Upper
43	100		
61	31.6	23.2	34.8
87	12.5	10.0	15.0

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#44

Trichloroethene

Concen: 20.676 ug/l

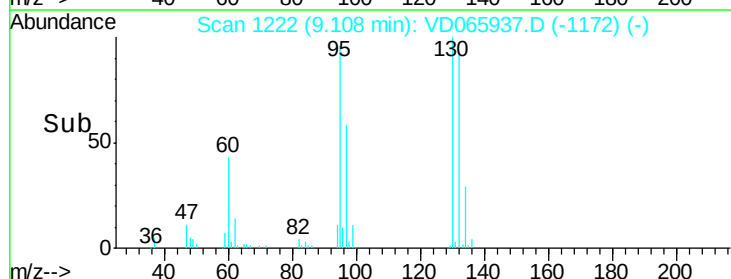
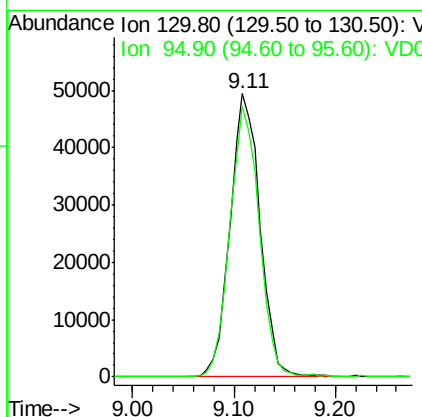
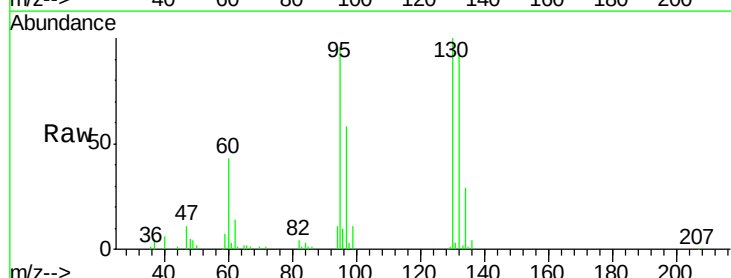
RT: 9.11 min Scan# 1222

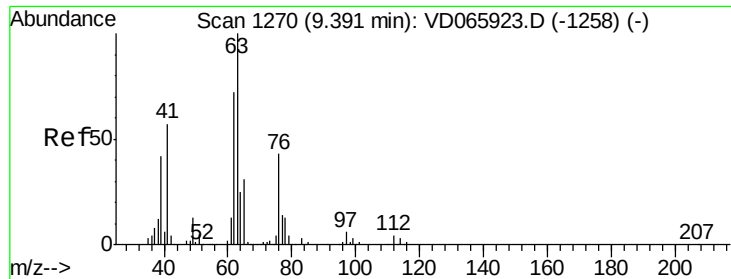
Delta R.T. -0.01 min

Lab File: VD065937.D

Acq: 08 Jul 2020 13:35

Tgt Ion:	130	Resp:	101240
Ion	Ratio	Lower	Upper
130	100		
95	95.7	0.0	184.6





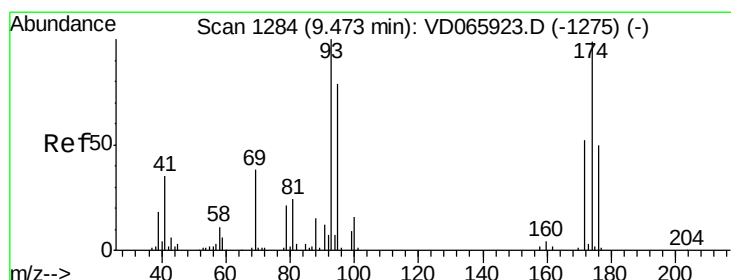
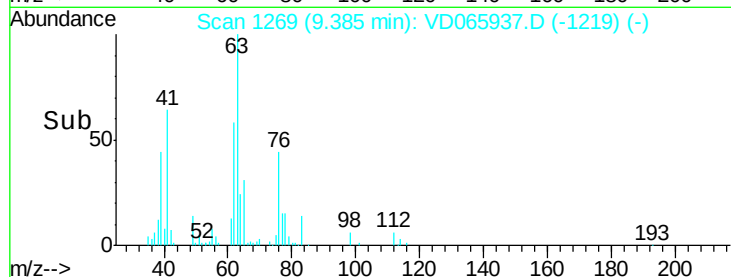
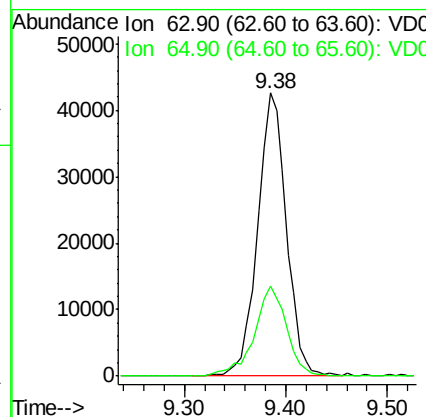
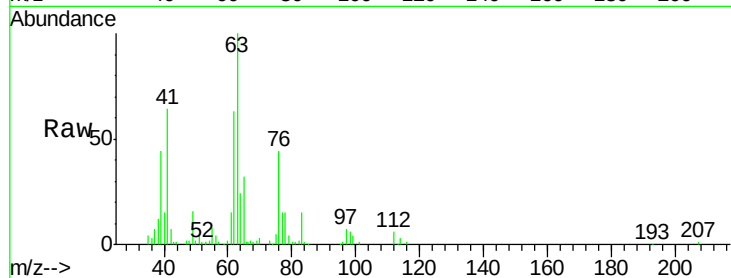
#45
 1,2-Dichloropropane
 Concen: 20.413 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD065937.D
 Acq: 08 Jul 2020 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0708SBS01

Tot Ion: 63 Resp: 84434
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.0 37.6

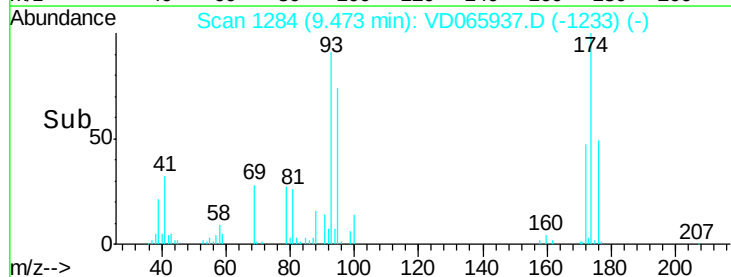
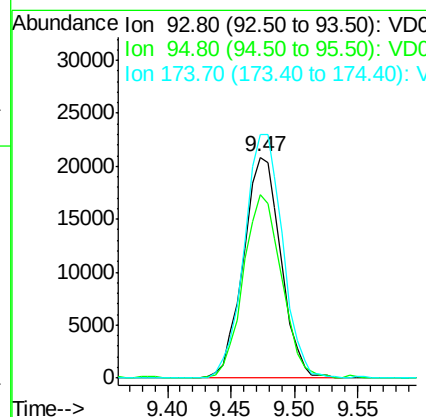
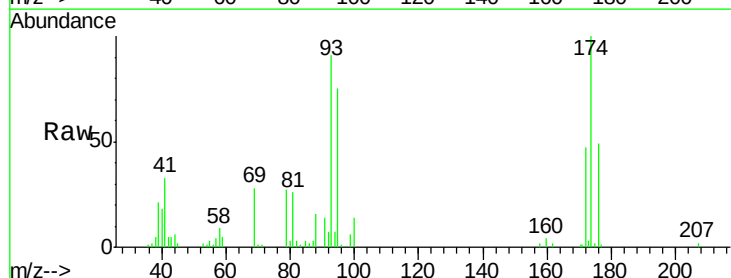
Manual Integrations
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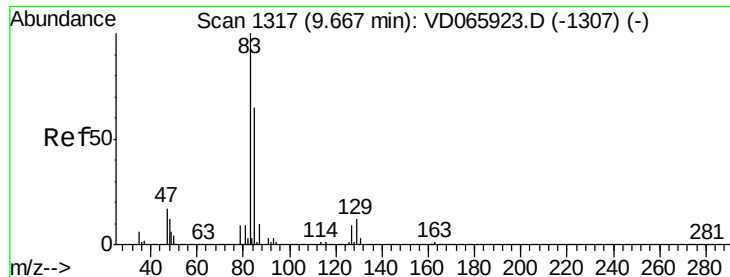
MMDadoda
 7/9/2020 10:48:15 AM



#46
 Dibromomethane
 Concen: 19.936 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.00 min
 Lab File: VD065937.D
 Acq: 08 Jul 2020 13:35

Tgt Ion: 93 Resp: 42930
 Ion Ratio Lower Upper
 93 100
 95 84.4 68.2 102.2
 174 112.7 88.0 132.0





#47

Bromodichloromethane

Concen: 20.688 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065937.D

Acq: 08 Jul 2020 13:35

Instrument :

MSVOA_D

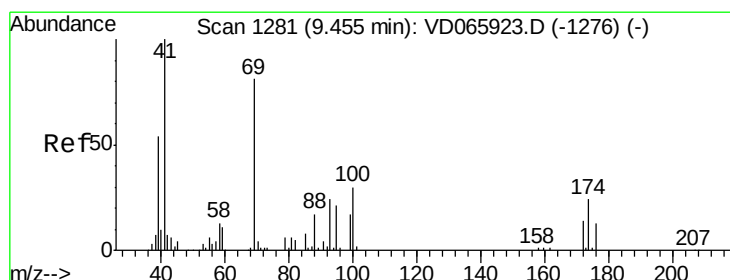
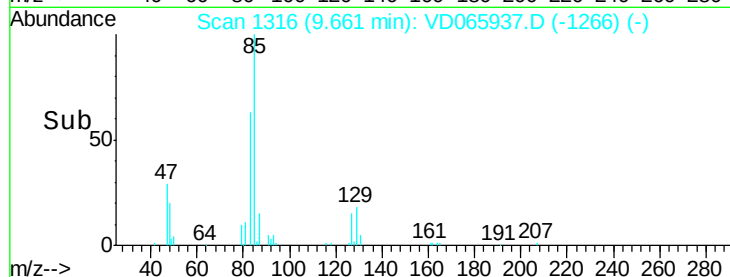
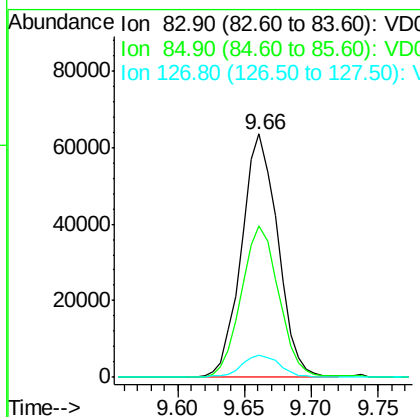
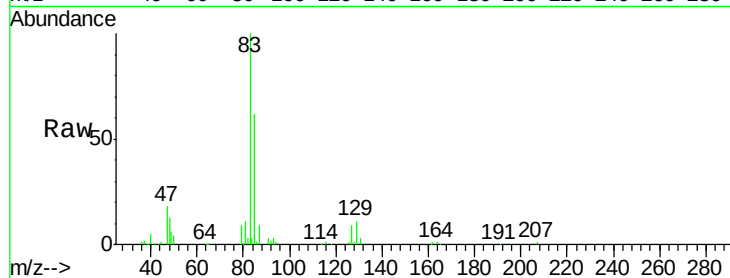
ClientSampleId :

VD0708SBS01

Tot Ion:	83	Resp:	119503
Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.6	77.4
127	9.2	7.2	10.8

Manual Integrations
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MMDadoda
7/9/2020 10:48:15 AM



#48

Methyl methacrylate

Concen: 18.279 ug/l

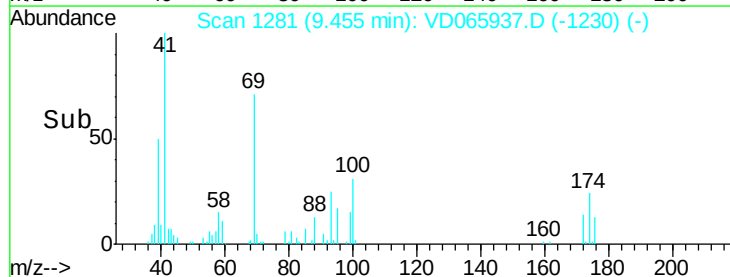
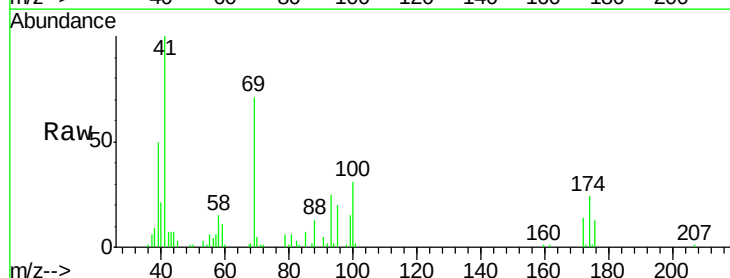
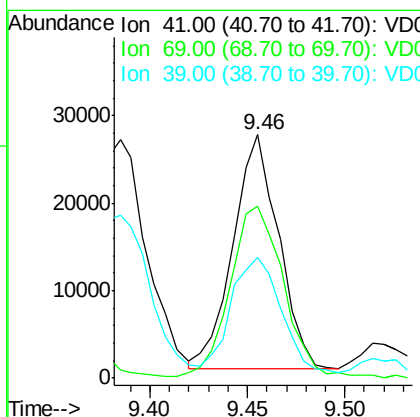
RT: 9.46 min Scan# 1281

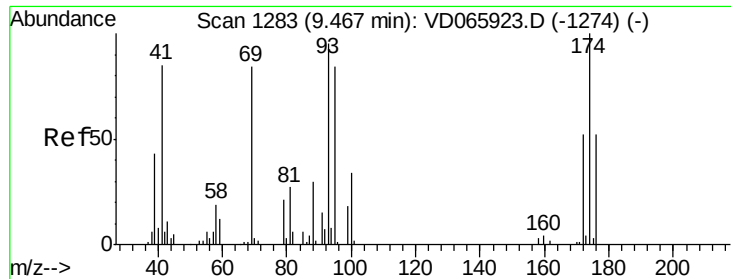
Delta R.T. -0.00 min

Lab File: VD065937.D

Acq: 08 Jul 2020 13:35

Tgt Ion:	41	Resp:	43293
Ion	Ratio	Lower	Upper
41	100		
69	86.4	62.2	93.4
39	53.8	39.9	59.9





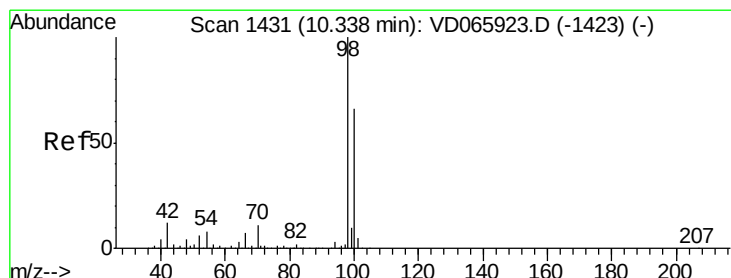
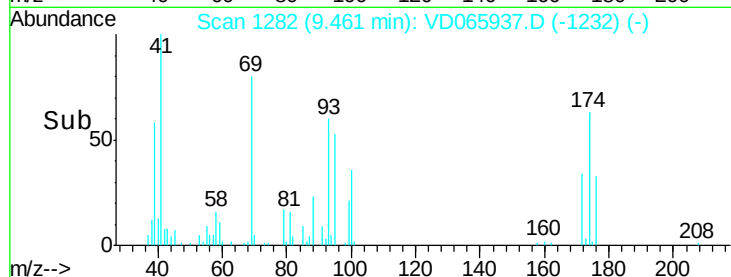
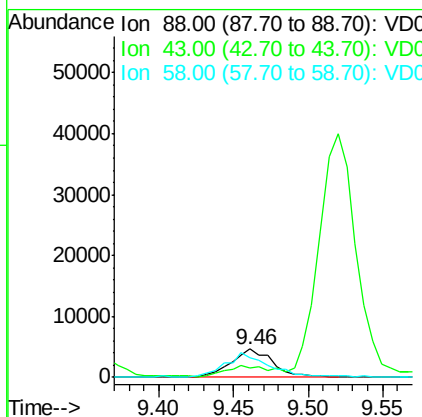
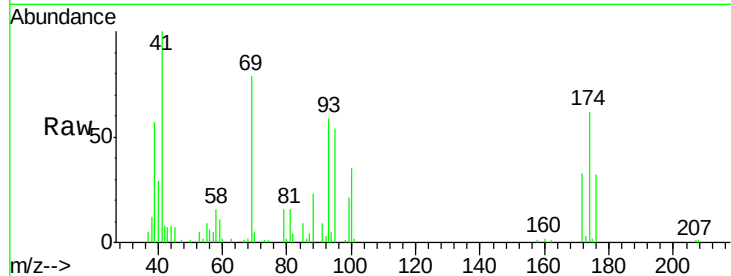
#49
1,4-Dioxane
Concen: 356.281 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065937.D
Acq: 08 Jul 2020 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0708SBS01

Tot Ion	88	Resp	9116
Ion	Ratio	Lower	Upper
88	100		
43	46.6	28.2	42.4#
58	89.3	58.6	87.8#

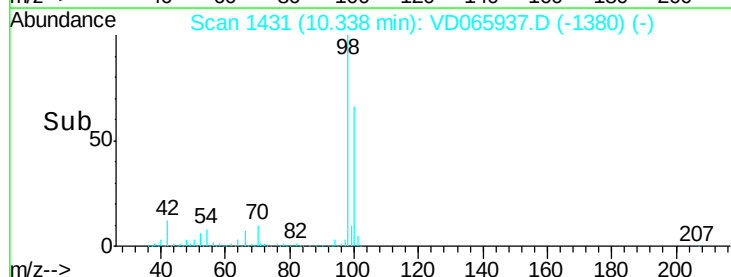
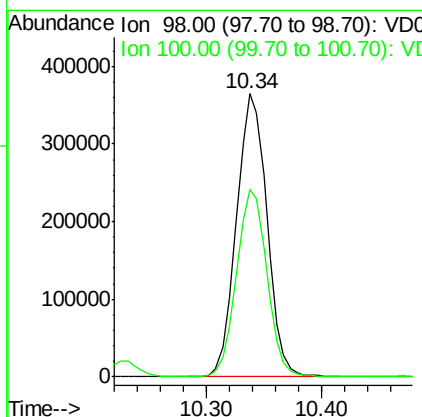
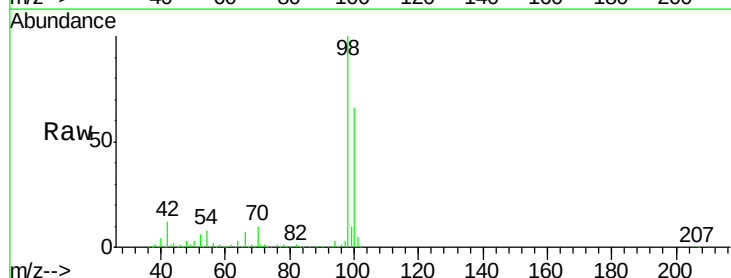
Manual Integrations
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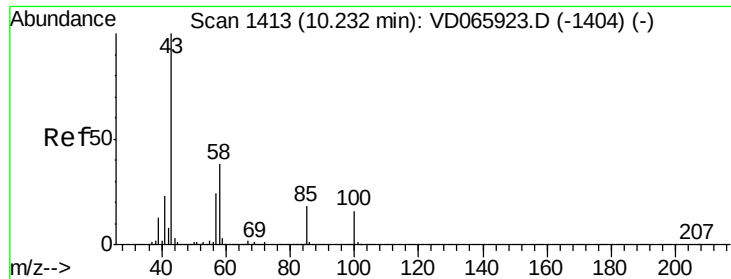
MMDadoda
7/9/2020 10:48:15 AM



#50
Toluene-d8
Concen: 48.708 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD065937.D
Acq: 08 Jul 2020 13:35

Tgt Ion	98	Resp	669596
Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 96.827 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.01 min

Lab File: VD065937.D

Acq: 08 Jul 2020 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBS01

Tot Ion: 43 Resp: 230304

Ion Ratio Lower Upper

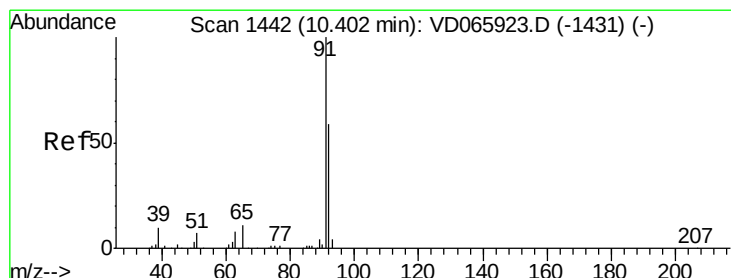
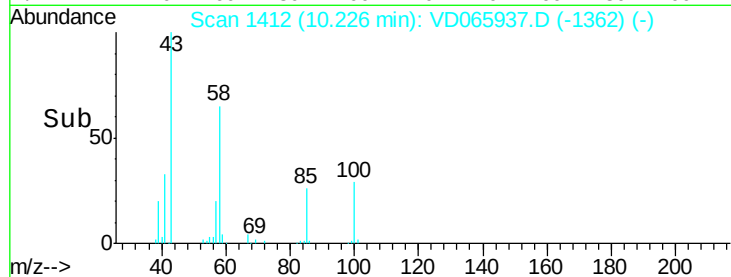
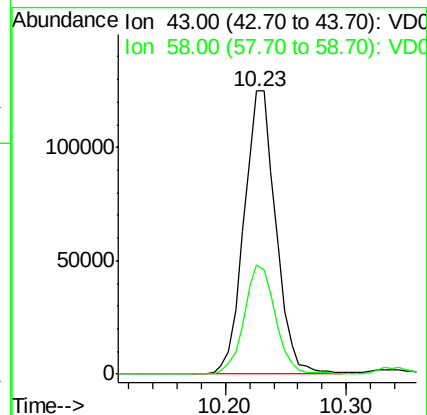
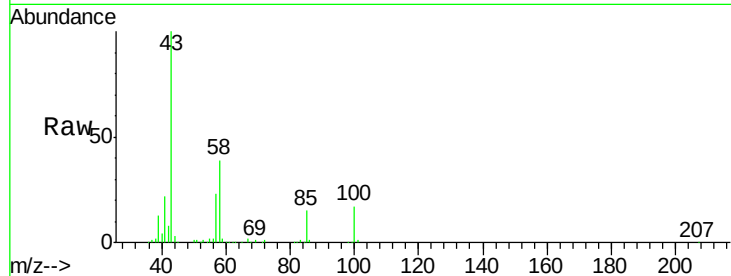
43 100

58 37.7 30.5 45.7

Manual Integrations
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#52

Toluene

Concen: 21.015 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD065937.D

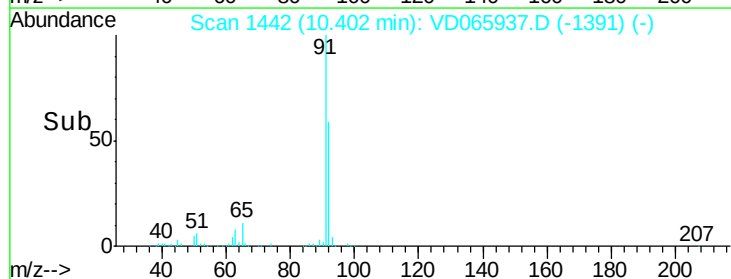
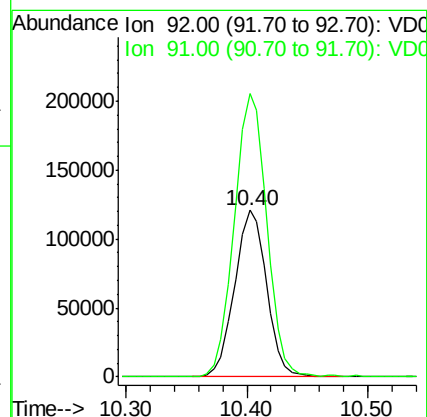
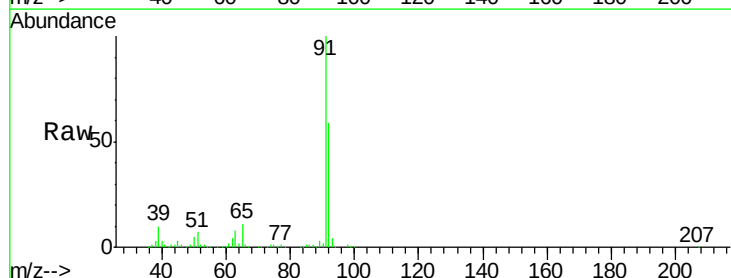
Acq: 08 Jul 2020 13:35

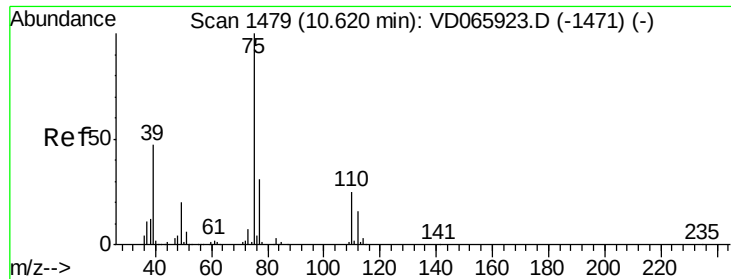
Tgt Ion: 92 Resp: 222798

Ion Ratio Lower Upper

92 100

91 172.3 136.0 204.0





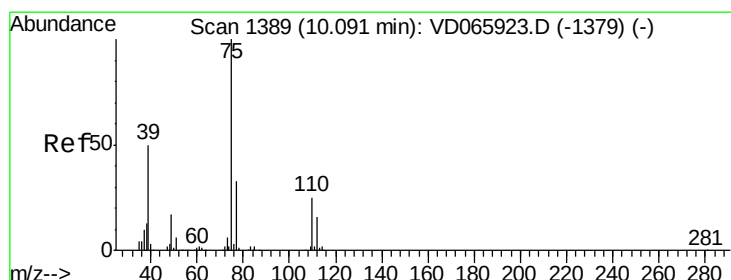
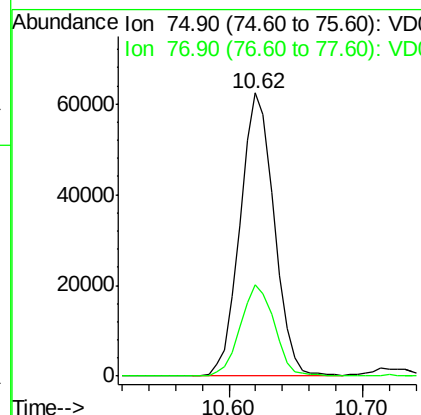
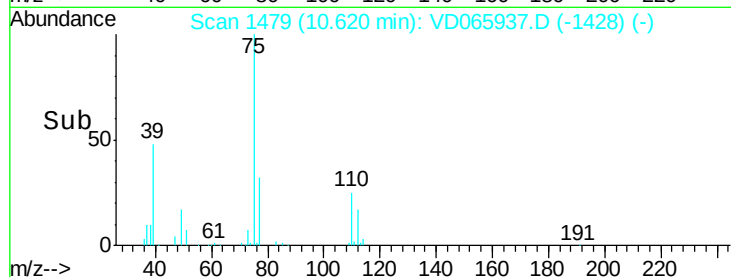
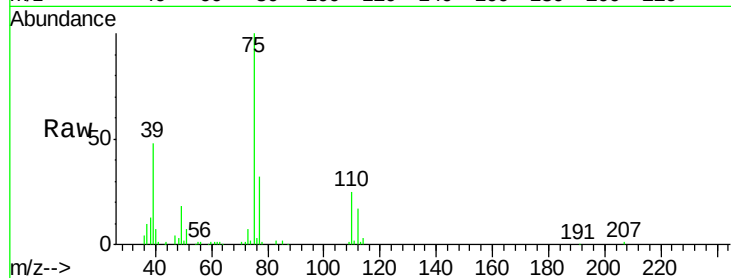
#53
t-1,3-Dichloropropene
Concen: 20.291 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.00 min
Lab File: VD065937.D
Acq: 08 Jul 2020 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0708SBS01

Tot Ion: 75 Resp: 110209
Ion Ratio Lower Upper
75 100
77 32.3 25.1 37.7

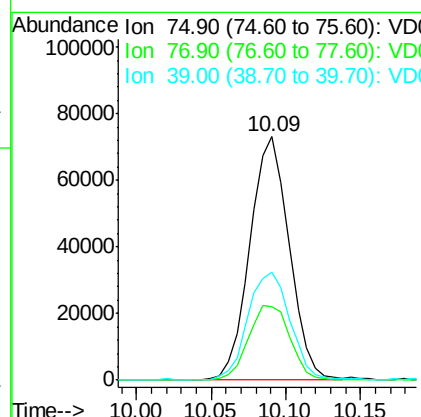
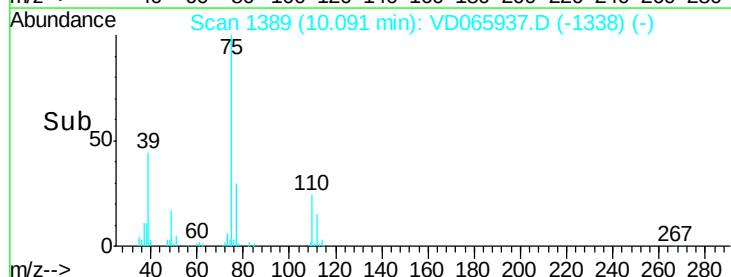
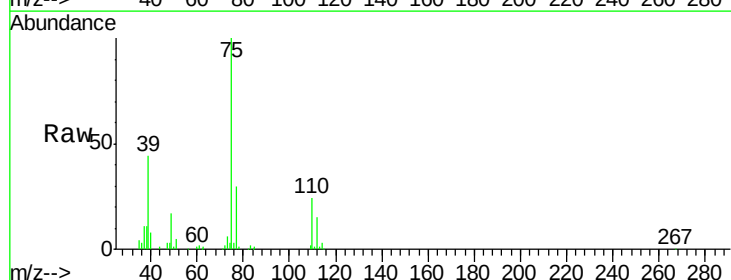
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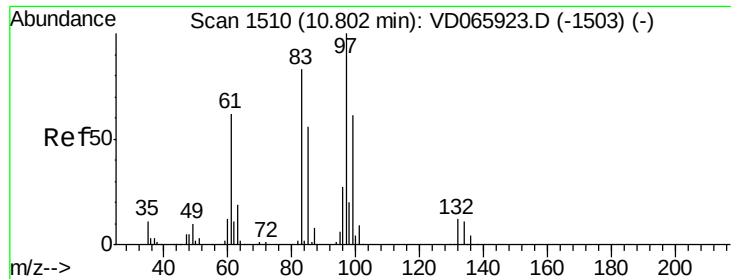
MMDadoda
7/9/2020 10:48:15 AM



#54
cis-1,3-Dichloropropene
Concen: 20.316 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD065937.D
Acq: 08 Jul 2020 13:35

Tgt Ion: 75 Resp: 133329
Ion Ratio Lower Upper
75 100
77 30.2 26.6 39.8
39 44.2 39.6 59.4





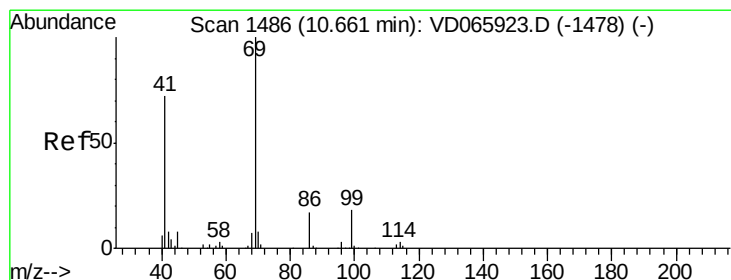
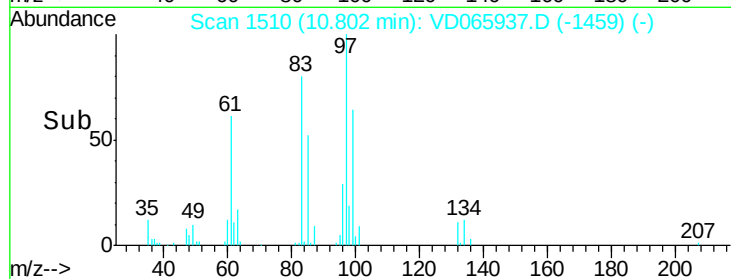
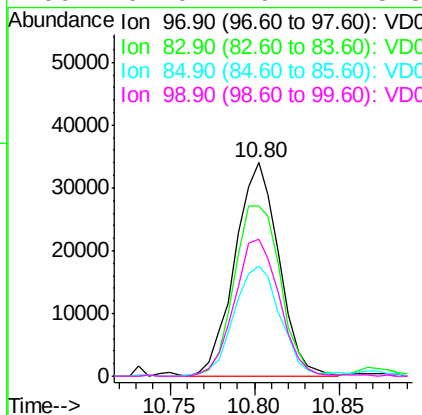
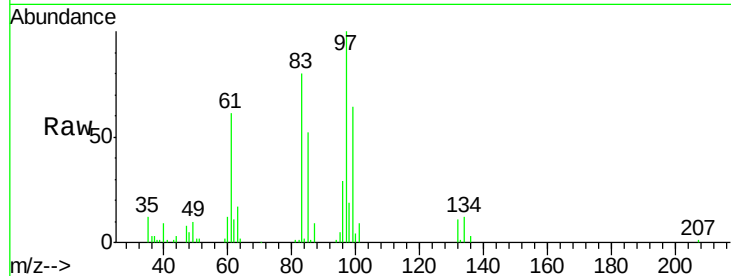
#55
 1,1,2-Trichloroethane
 Concen: 20.770 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD065937.D
 Acq: 08 Jul 2020 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0708SBS01

Tot Ion:	97	Resp:	61623
Ion	Ratio	Lower	Upper
97	100		
83	79.1	66.9	100.3
85	51.2	44.5	66.7
99	64.0	49.2	73.8

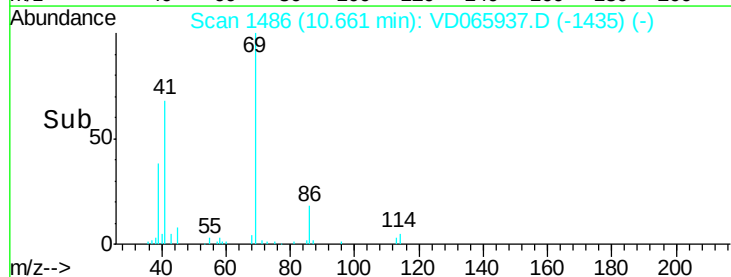
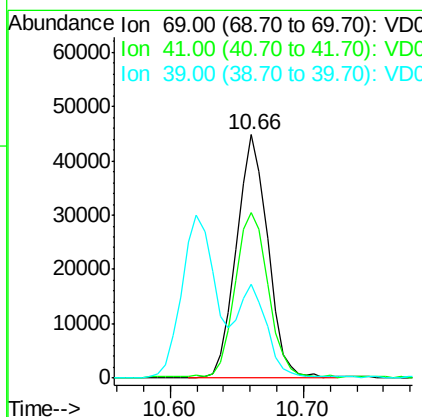
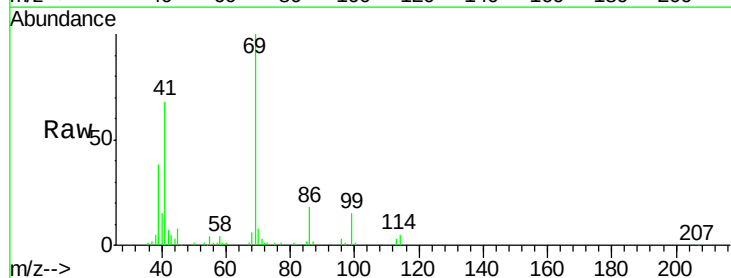
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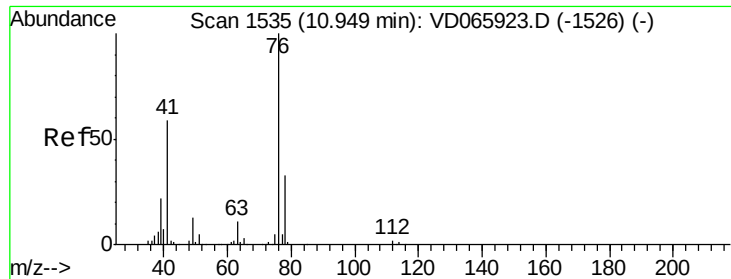
MMDadoda
 7/9/2020 10:48:15 AM



#56
 Ethyl methacrylate
 Concen: 20.192 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD065937.D
 Acq: 08 Jul 2020 13:35

Tgt Ion:	69	Resp:	73171
Ion	Ratio	Lower	Upper
69	100		
41	73.3	56.5	84.7
39	36.4	29.2	43.8





#57

1,3-Dichloropropane

Concen: 20.624 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.01 min

Lab File: VD065937.D

Acq: 08 Jul 2020 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBS01

Tot Ion: 76 Resp: 107010

Ion Ratio Lower Upper

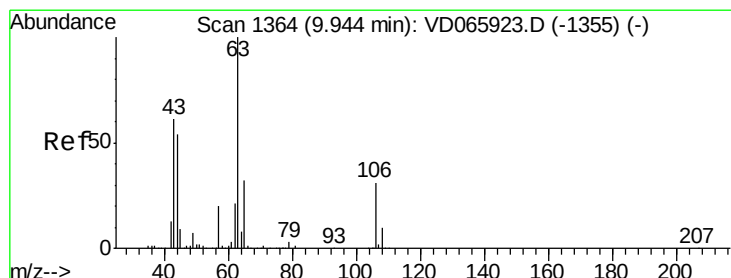
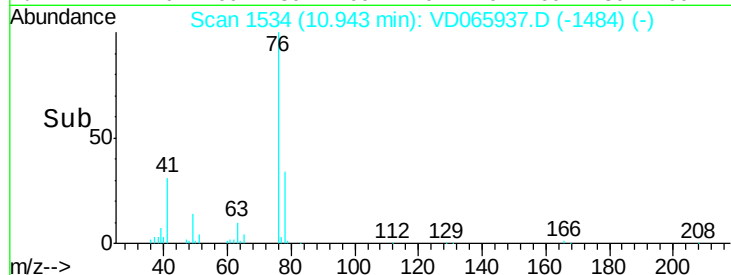
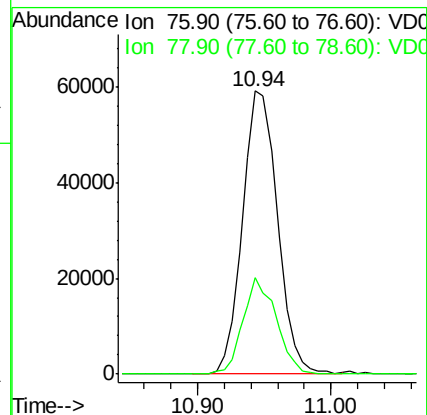
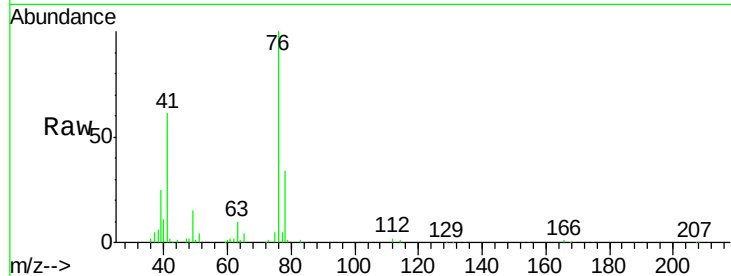
76 100

78 32.4 25.8 38.6

Manual Integrations
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MMDadoda

7/9/2020 10:48:15 AM



#58

2-Chloroethyl Vinyl ether

Concen: 104.991 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD065937.D

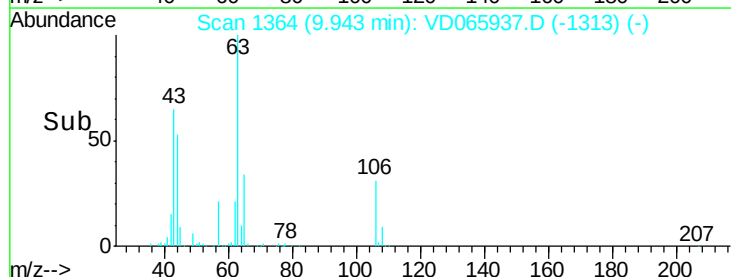
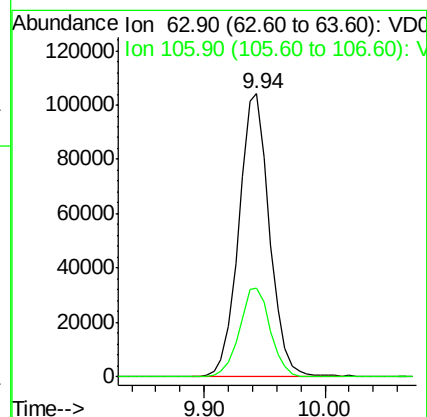
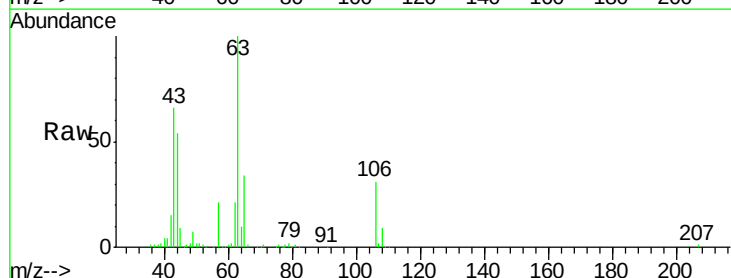
Acq: 08 Jul 2020 13:35

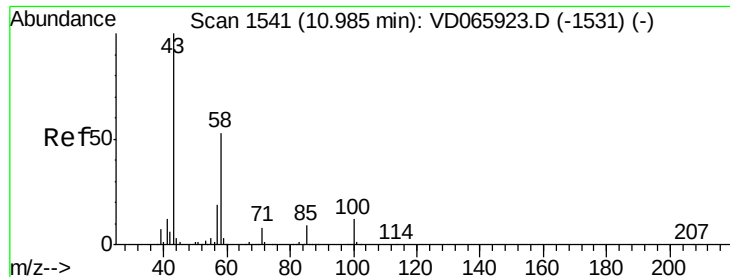
Tgt Ion: 63 Resp: 184259

Ion Ratio Lower Upper

63 100

106 31.7 23.8 35.6





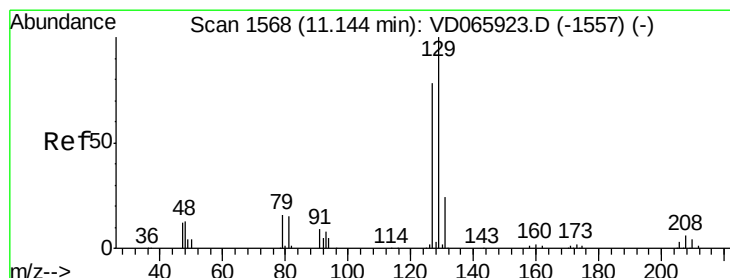
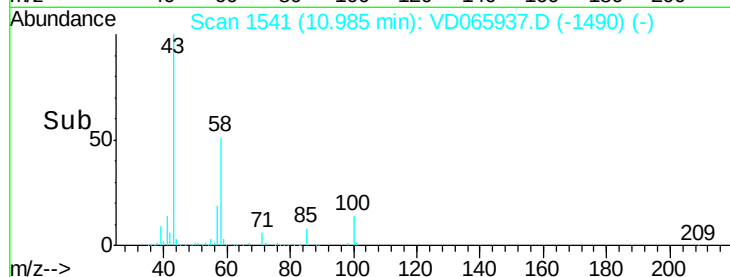
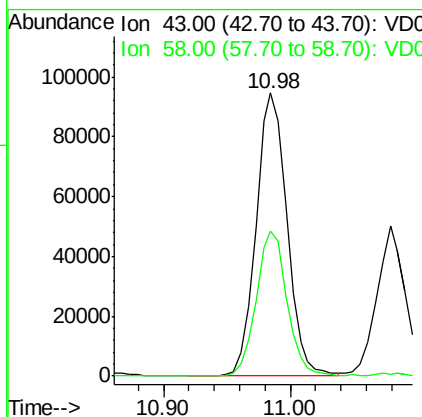
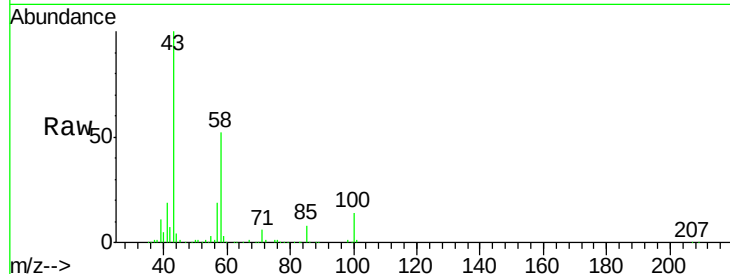
#59
2-Hexanone
Concen: 98.679 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD065937.D
Acq: 08 Jul 2020 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0708SBS01

Tot Ion: 43 Resp: 161417
Ion Ratio Lower Upper
43 100
58 50.8 26.6 79.8

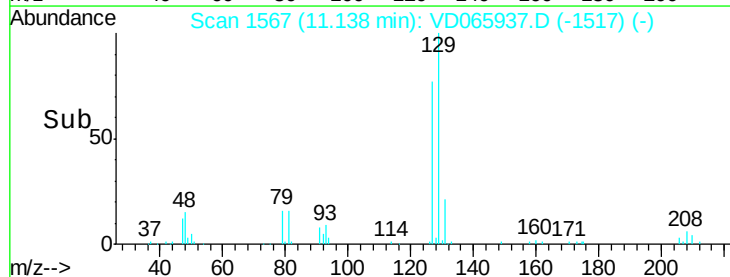
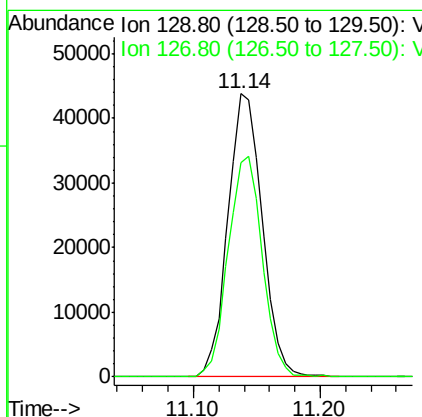
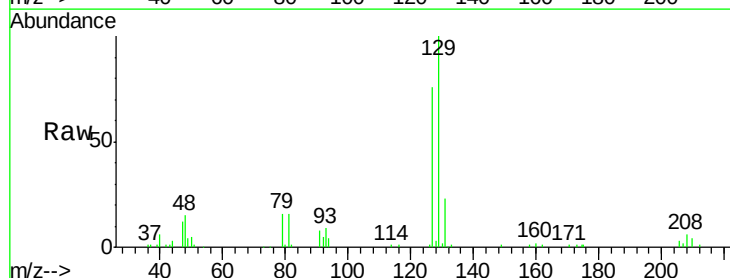
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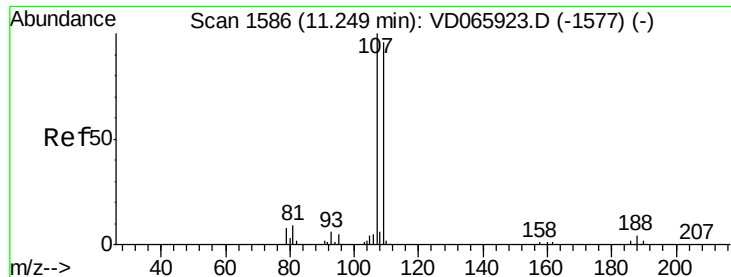
MMDadoda
7/9/2020 10:48:15 AM



#60
Dibromochloromethane
Concen: 20.269 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD065937.D
Acq: 08 Jul 2020 13:35

Tgt Ion: 129 Resp: 82160
Ion Ratio Lower Upper
129 100
127 77.2 38.8 116.4





#61

1,2-Dibromoethane

Concen: 20.552 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD065937.D

Acq: 08 Jul 2020 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBS01

Tot Ion:107 Resp: 60795

Ion Ratio Lower Upper

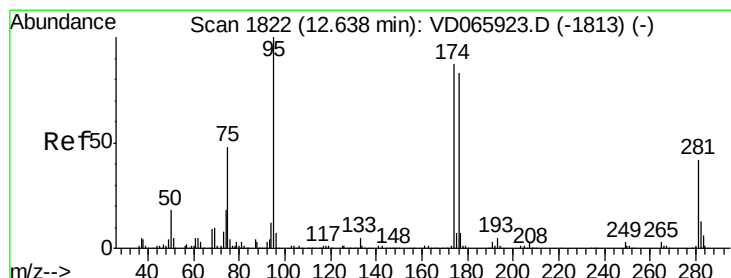
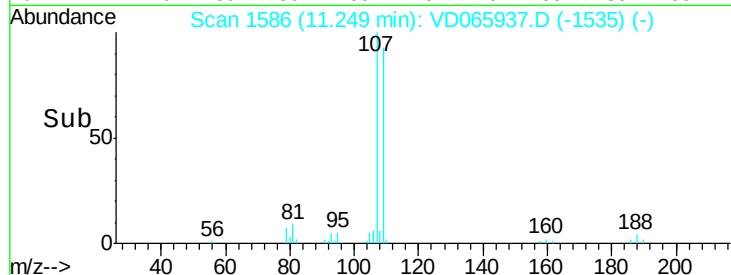
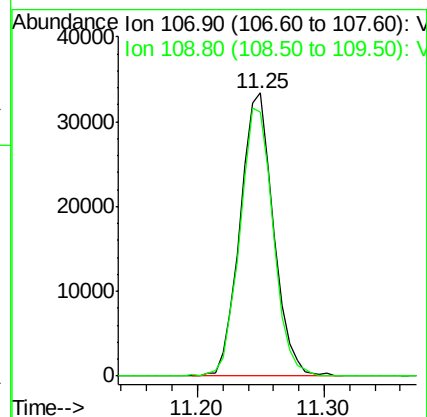
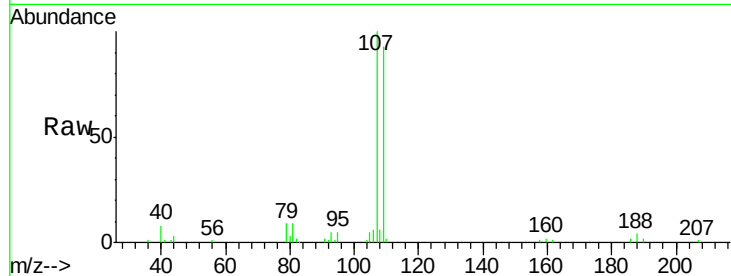
107 100

109 94.6 75.4 113.0

Manual Integrations
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MMDadoda

7/9/2020 10:48:15 AM



#62

4-Bromofluorobenzene

Concen: 50.129 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065937.D

Acq: 08 Jul 2020 13:35

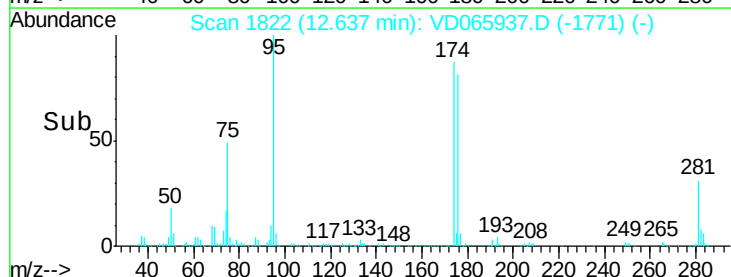
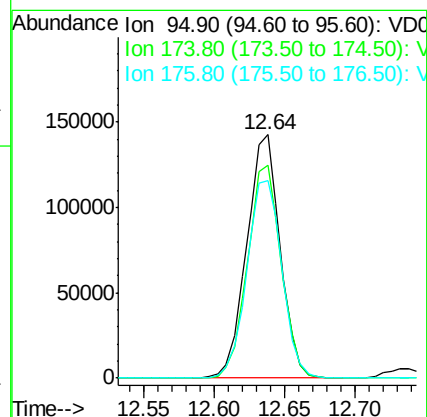
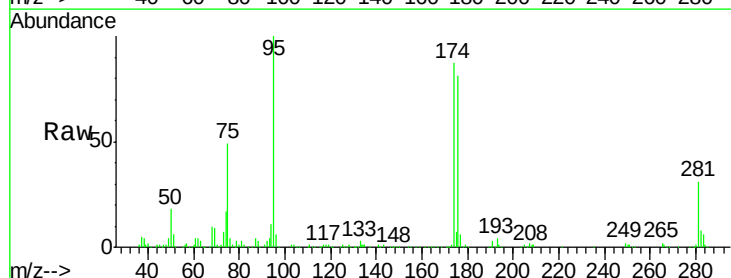
Tgt Ion: 95 Resp: 236654

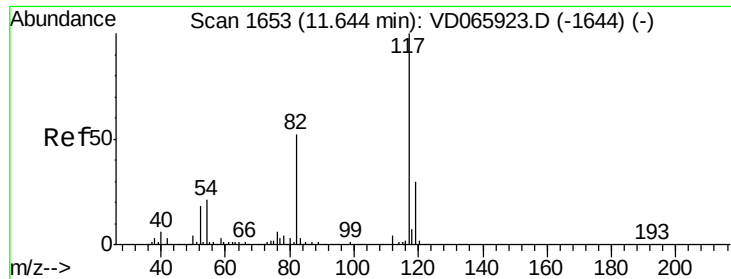
Ion Ratio Lower Upper

95 100

174 87.9 0.0 169.4

176 85.0 0.0 164.0





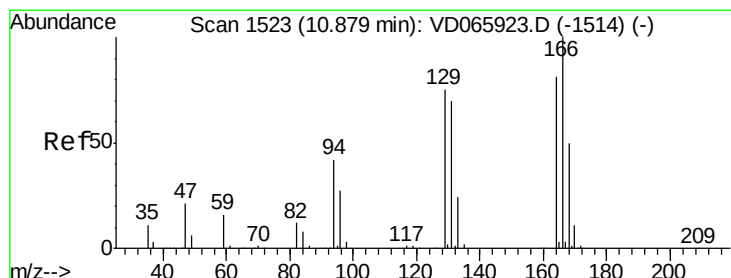
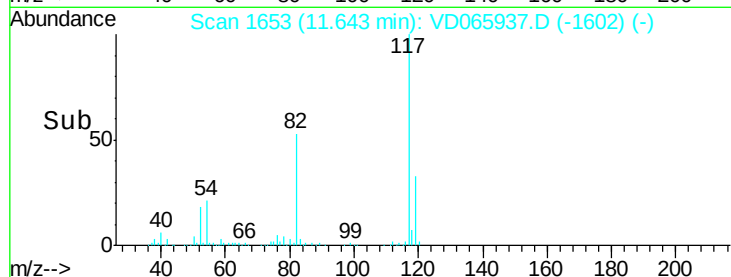
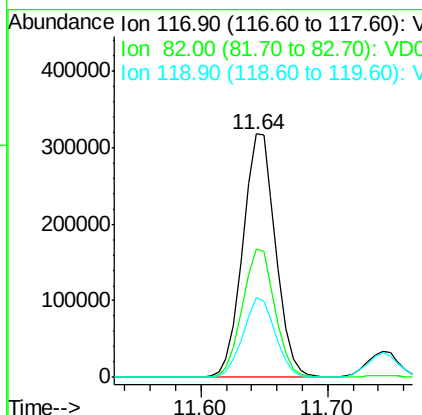
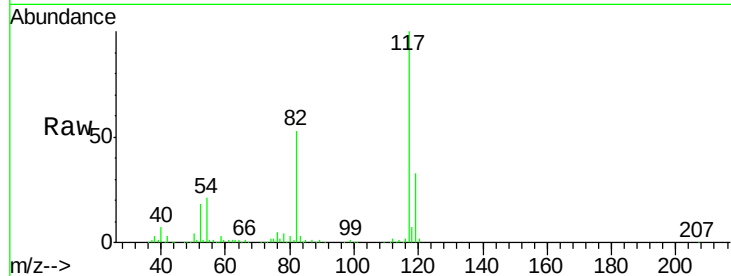
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD065937.D
Acq: 08 Jul 2020 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0708SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	570427		
82	52.8		41.8	62.8
119	32.6		24.3	36.5

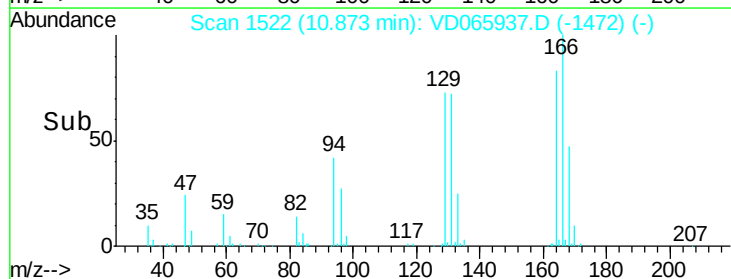
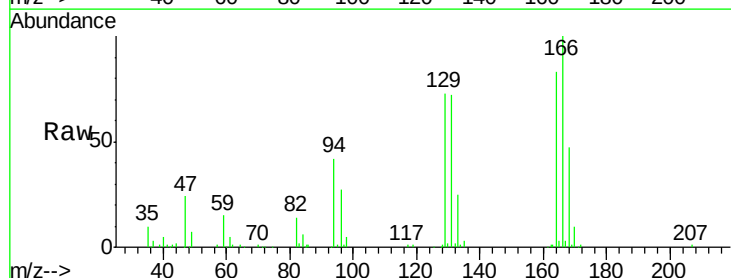
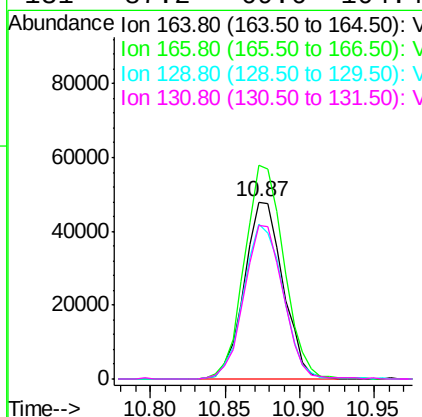
Manual Integrations
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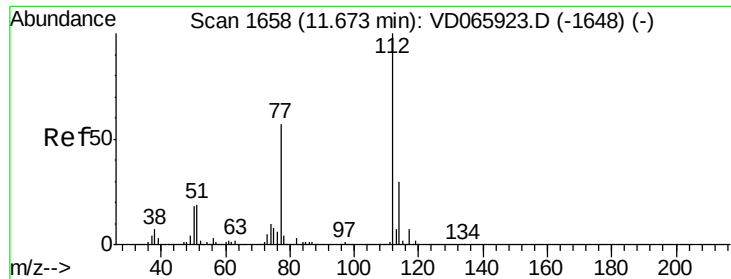
MMDadoda
7/9/2020 10:48:15 AM



#64
Tetrachloroethene
Concen: 20.711 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD065937.D
Acq: 08 Jul 2020 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	85916		
166	120.9		99.0	148.4
129	87.8		73.9	110.9
131	87.2		69.6	104.4





#65

Chlorobenzene

Concen: 20.735 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VD065937.D

Acq: 08 Jul 2020 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBS01

Tot Ion:112 Resp: 238358

Ion Ratio Lower Upper

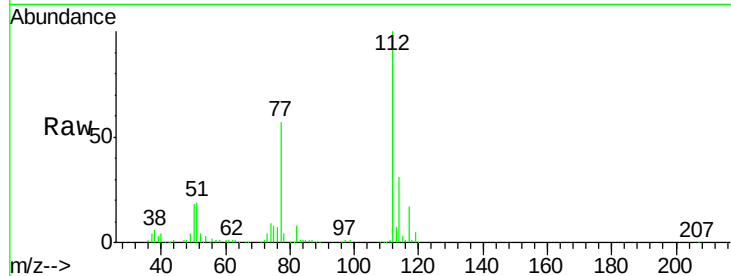
112 100

114 30.7 24.2 36.4

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.67

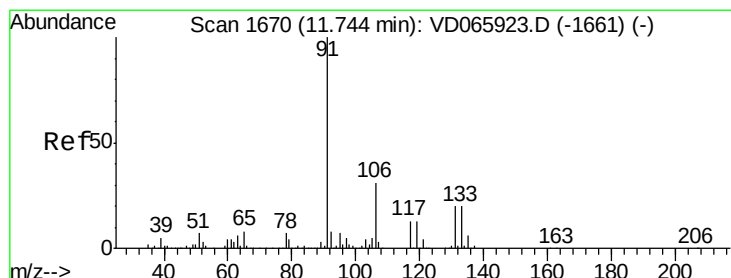
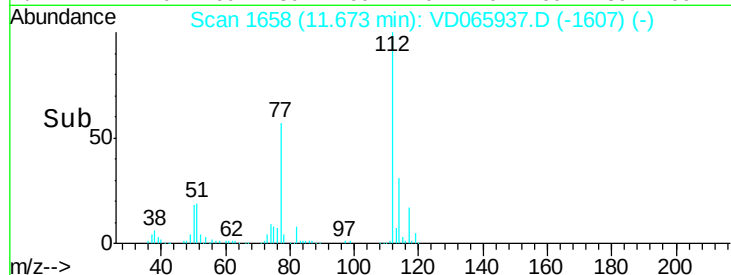
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.691 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD065937.D

Acq: 08 Jul 2020 13:35

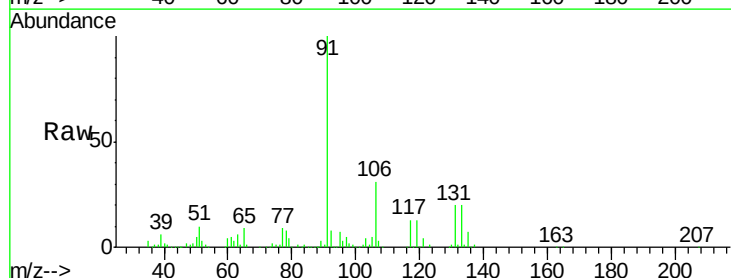
Tgt Ion:131 Resp: 88962

Ion Ratio Lower Upper

131 100

133 95.5 47.9 143.6

119 63.5 31.9 95.9



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

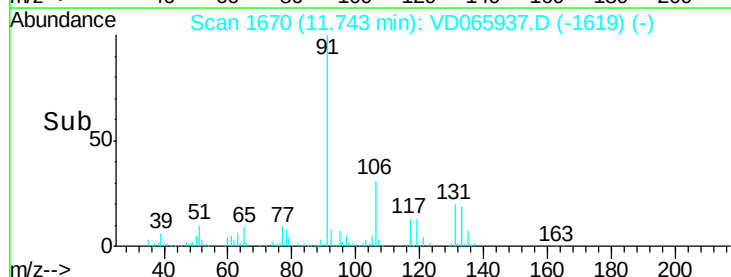
11.74

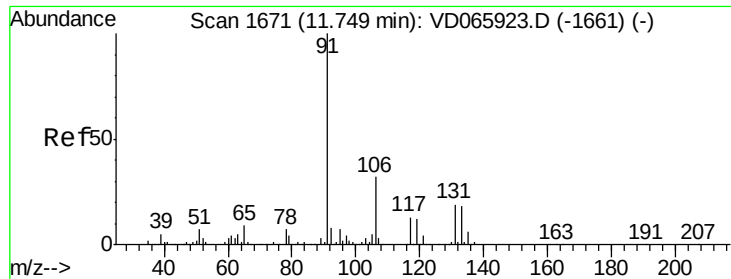
100000

50000

0

Time-->





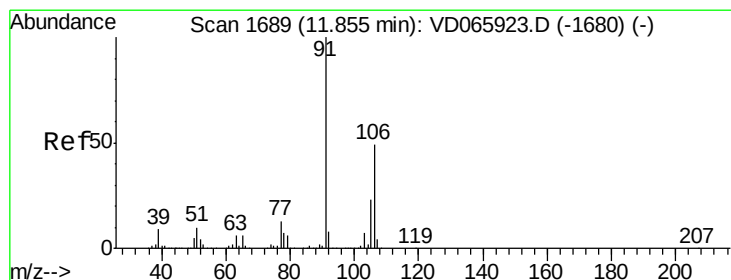
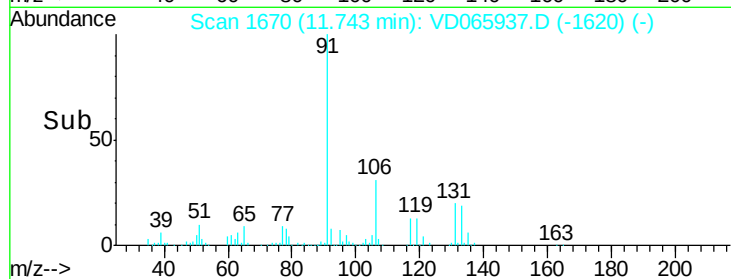
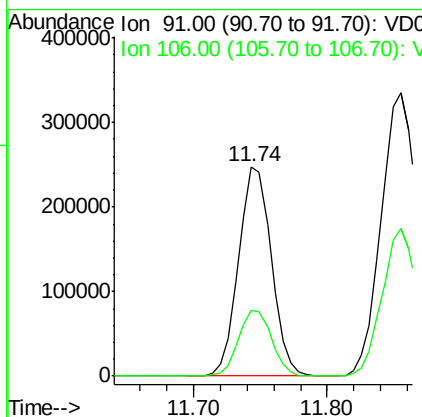
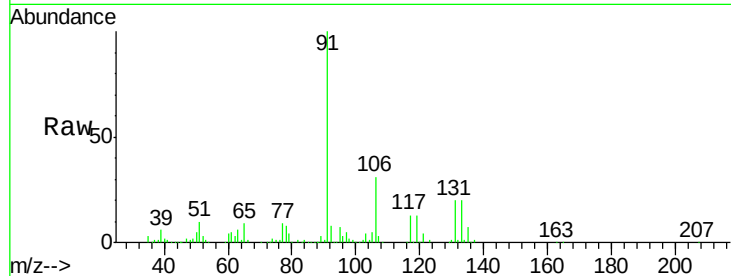
#67
Ethyl Benzene
Concen: 20.655 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD065937.D
Acq: 08 Jul 2020 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0708SBS01

Tot Ion: 91 Resp: 421801
Ion Ratio Lower Upper
91 100
106 31.4 25.2 37.8

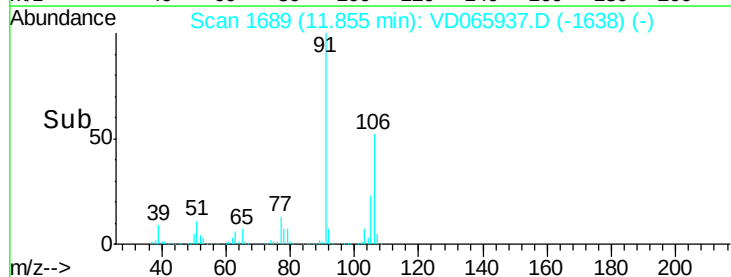
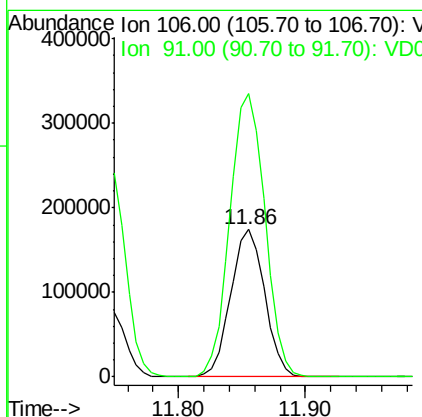
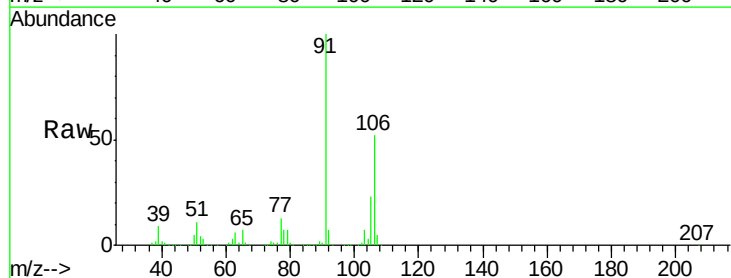
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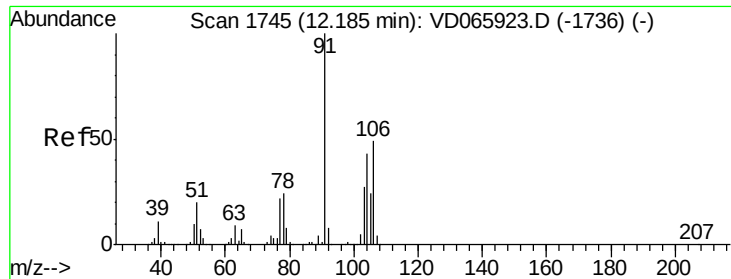
MMDadoda
7/9/2020 10:48:15 AM



#68
m/p-Xylenes
Concen: 41.754 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD065937.D
Acq: 08 Jul 2020 13:35

Tgt Ion: 106 Resp: 323958
Ion Ratio Lower Upper
106 100
91 198.5 158.2 237.2





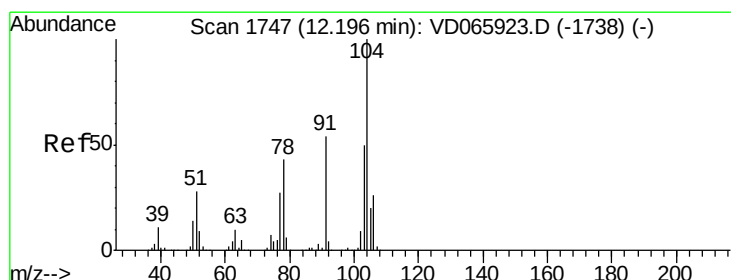
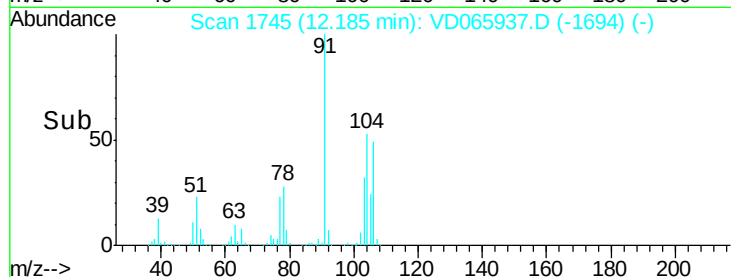
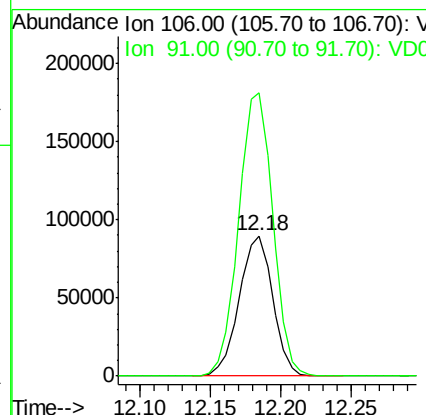
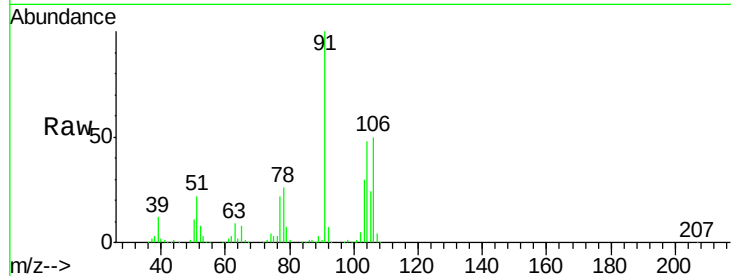
#69
o-Xylene
Concen: 21.101 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065937.D
Acq: 08 Jul 2020 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0708SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	149133		
91	91	206.1	104.1	312.2	

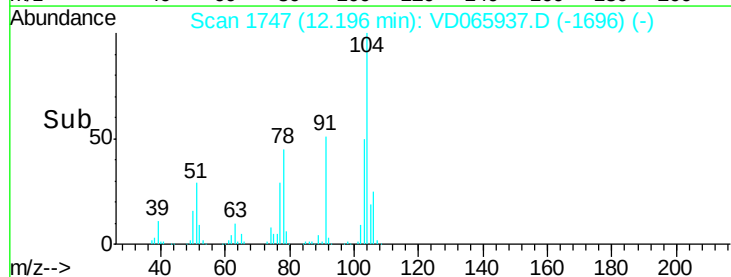
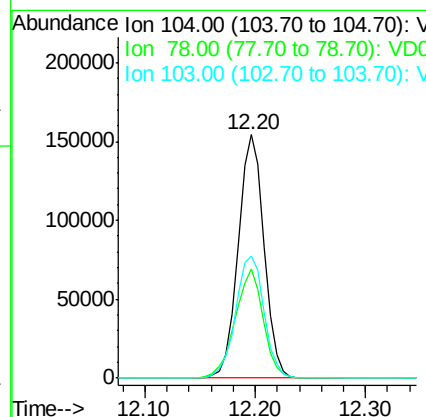
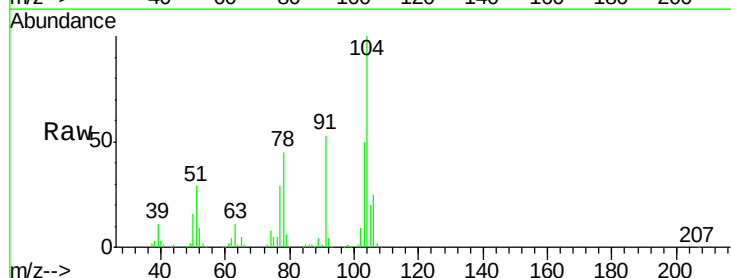
Manual Integrations
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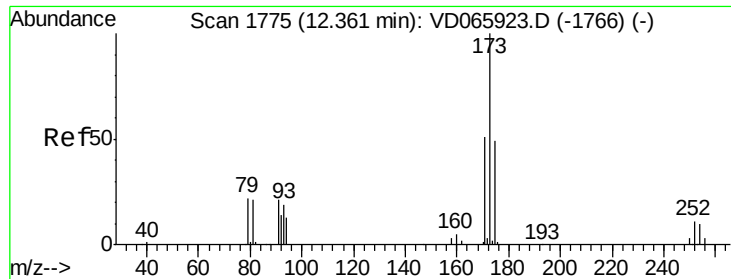
MMDadoda
7/9/2020 10:48:15 AM



#70
Styrene
Concen: 20.788 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD065937.D
Acq: 08 Jul 2020 13:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	253631		
78	78	48.5	38.8	58.2	
103	103	55.2	43.6	65.4	





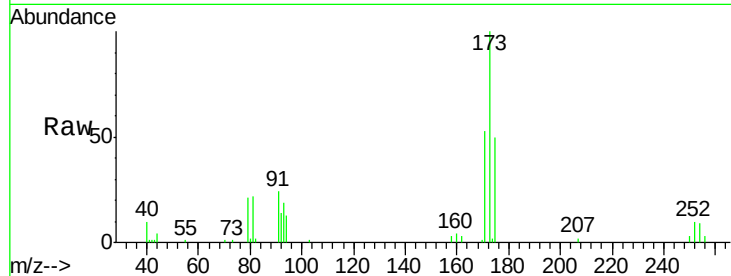
#71
Bromoform
Concen: 19.588 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD065937.D
Acq: 08 Jul 2020 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0708SBS01

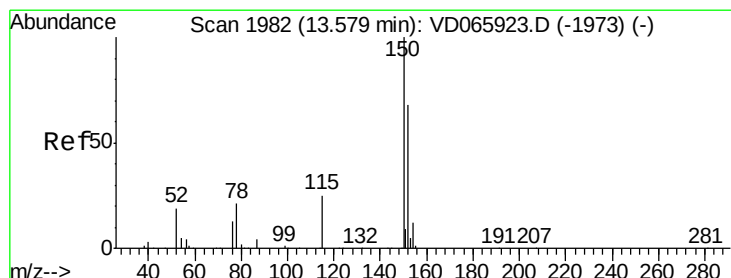
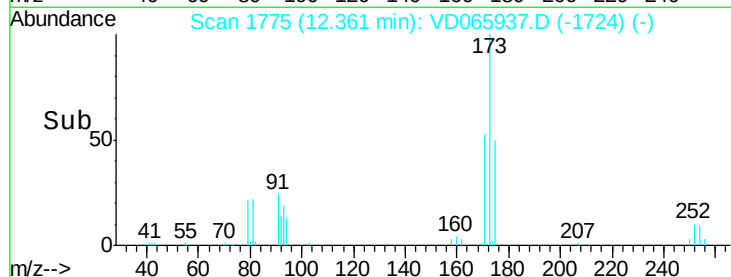
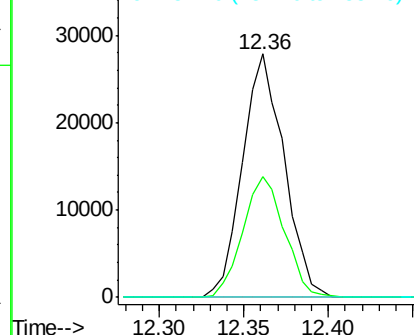
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.2	72.6
254	0.0	0.0	0.0

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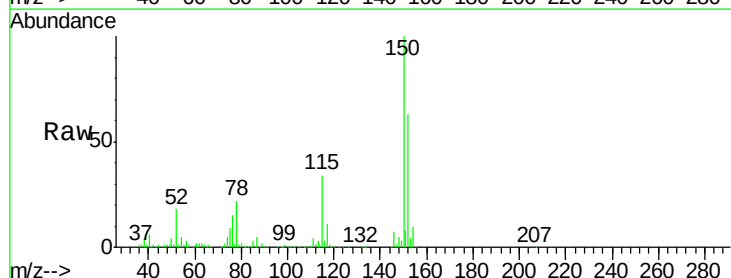


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

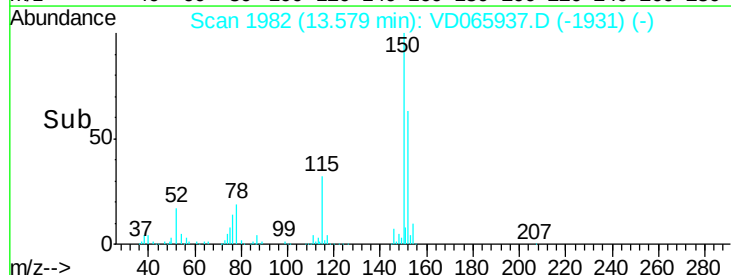
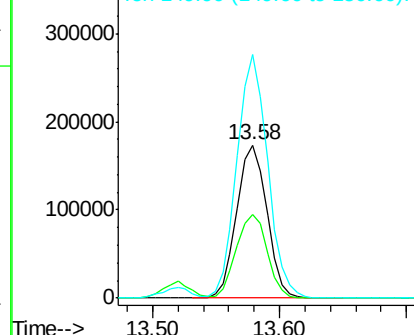


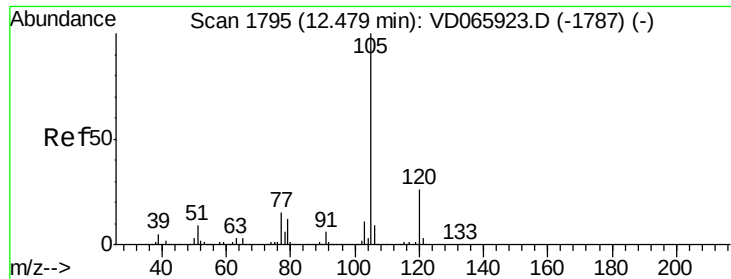
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD065937.D
Acq: 08 Jul 2020 13:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.6	27.8	83.3
150	162.3	0.0	347.2



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





#73

Isopropylbenzene

Concen: 20.127 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD065937.D

Acq: 08 Jul 2020 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBS01

Tot Ion: 105 Resp: 400730

Ion Ratio Lower Upper

105 100

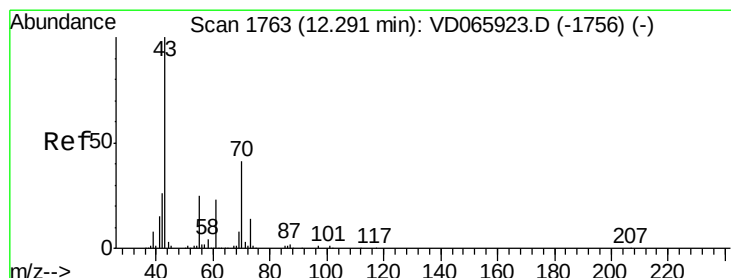
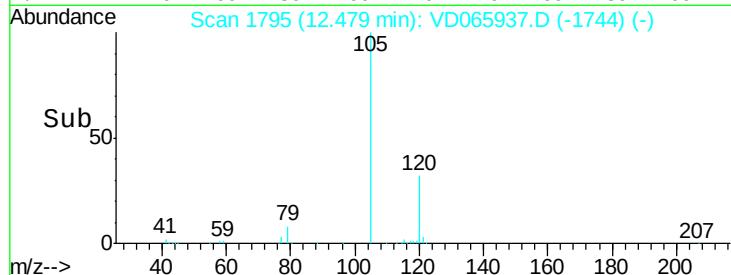
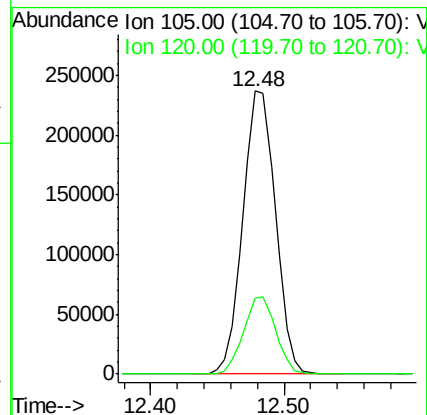
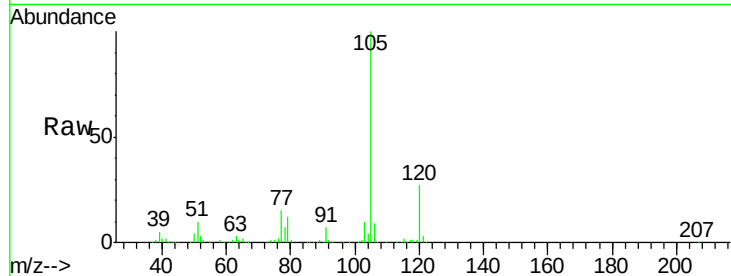
120 27.0 13.3 39.8

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#74

N-ethyl acetate

Concen: 18.737 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD065937.D

Acq: 08 Jul 2020 13:35

Tgt Ion: 43 Resp: 83713

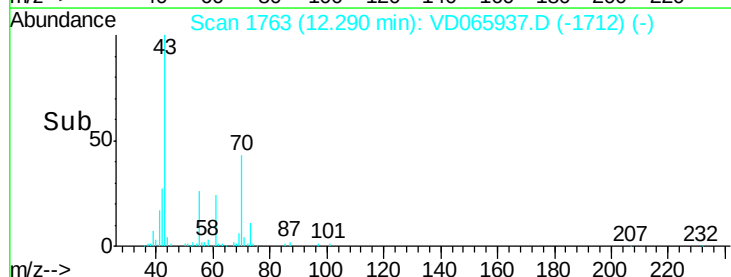
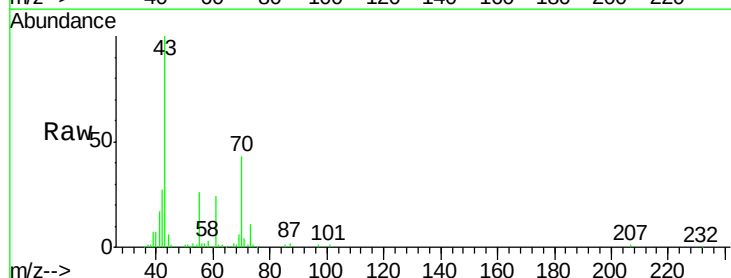
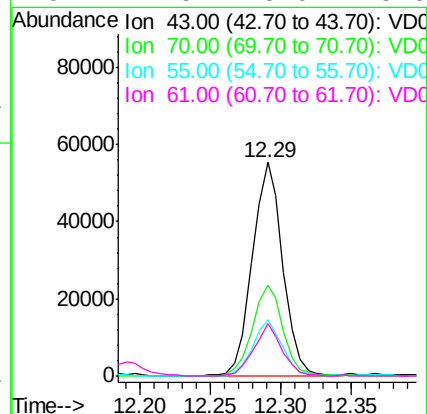
Ion Ratio Lower Upper

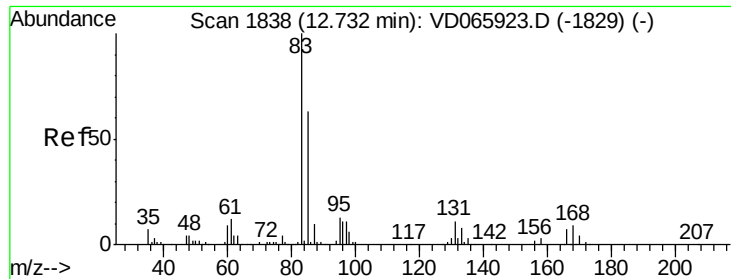
43 100

70 42.7 33.6 50.4

55 25.5 20.1 30.1

61 22.5 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 19.500 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD065937.D

Acq: 08 Jul 2020 13:35

Instrument :

MSVOA_D

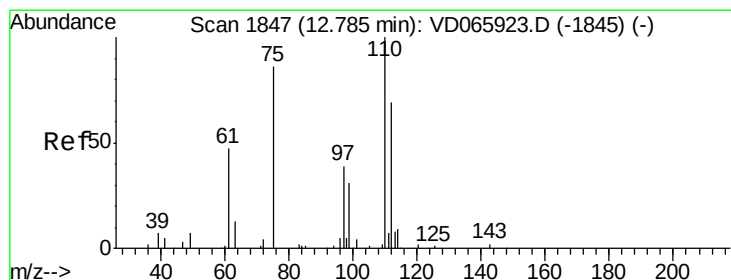
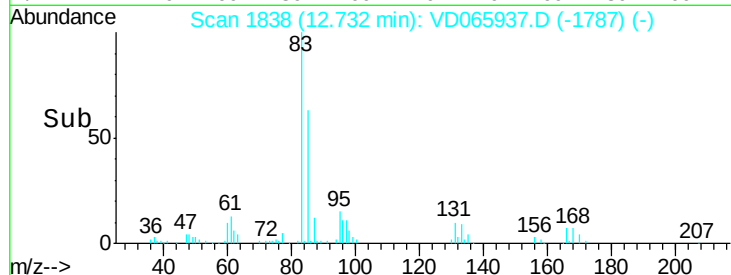
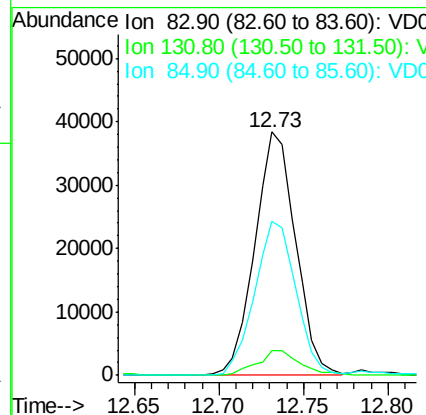
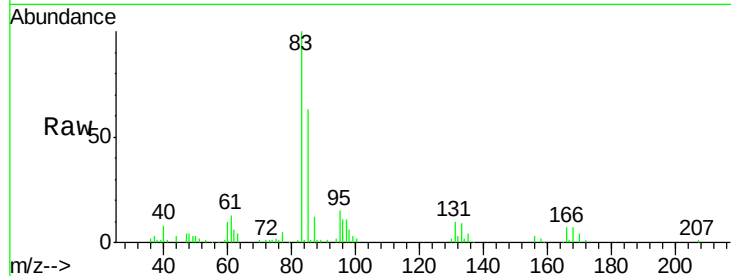
ClientSampleId :

VD0708SBS01

Tot Ion:	83	Resp:	64458
Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.6	16.8
85	64.3	32.6	98.0

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#76

1,2,3-Trichloropropane

Concen: 22.883 ug/l m

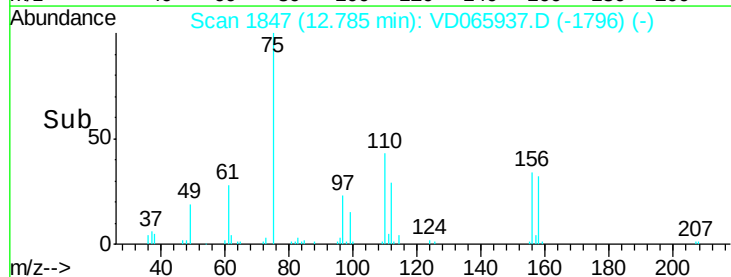
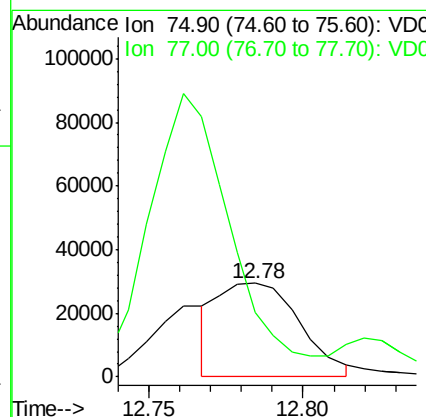
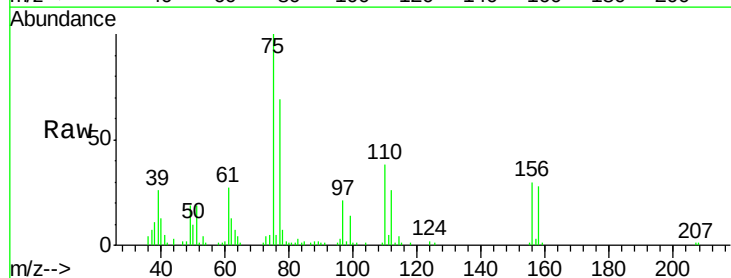
RT: 12.78 min Scan# 1847

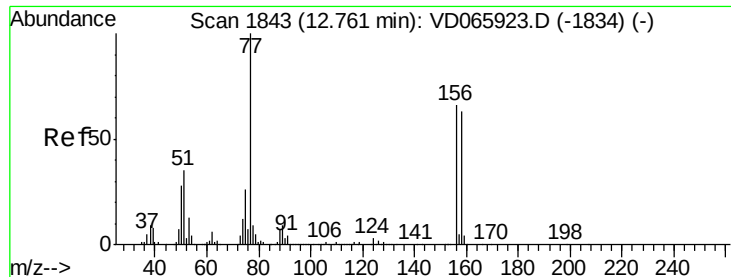
Delta R.T. -0.00 min

Lab File: VD065937.D

Acq: 08 Jul 2020 13:35

Tgt Ion:	75	Resp:	54764
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.453 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD065937.D

Acq: 08 Jul 2020 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBS01

Tot Ion:156 Resp: 98772

Ion Ratio Lower Upper

156 100

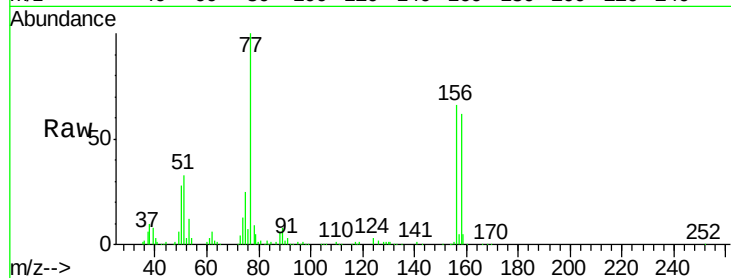
77 170.1 85.0 255.0

158 95.9 49.0 147.0

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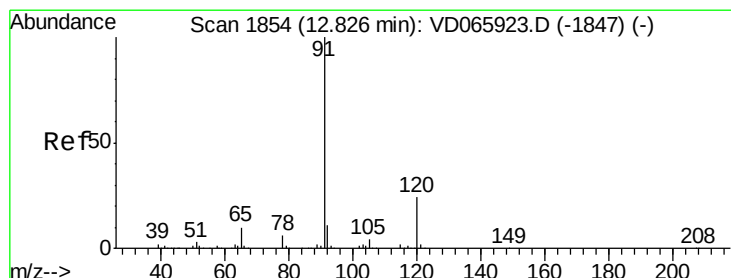
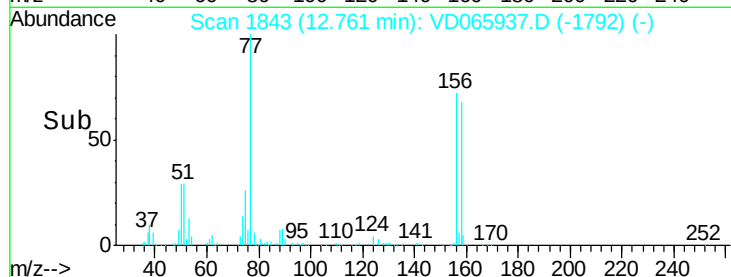
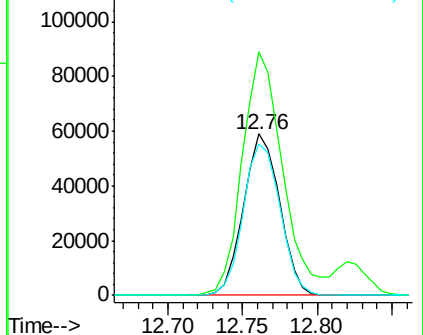
7/9/2020 10:48:15 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.417 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VD065937.D

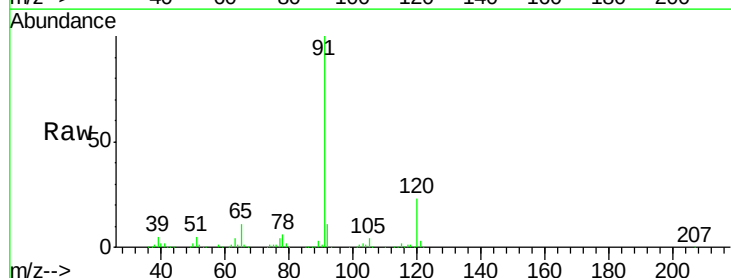
Acq: 08 Jul 2020 13:35

Tgt Ion: 91 Resp: 476585

Ion Ratio Lower Upper

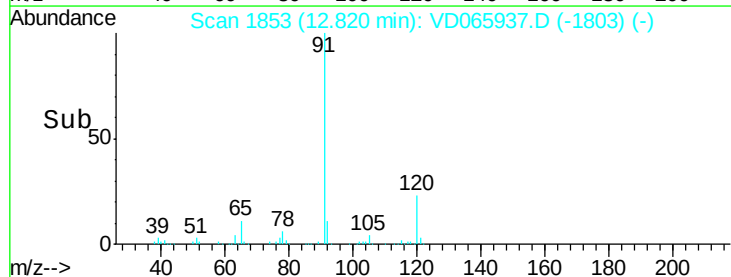
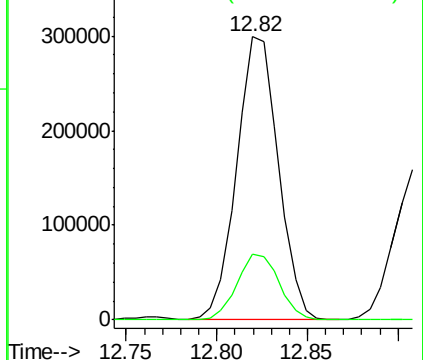
91 100

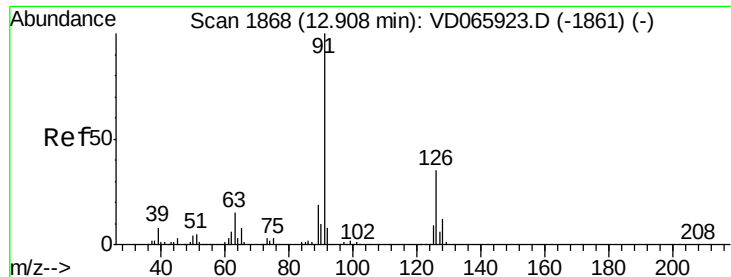
120 23.5 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





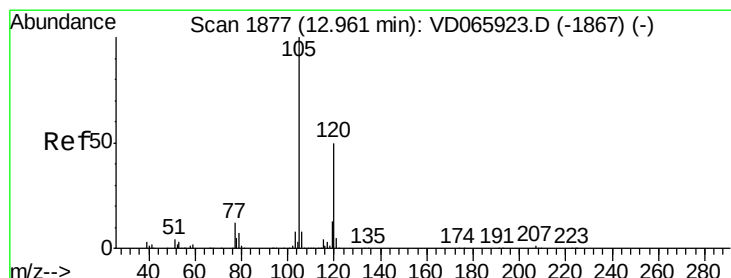
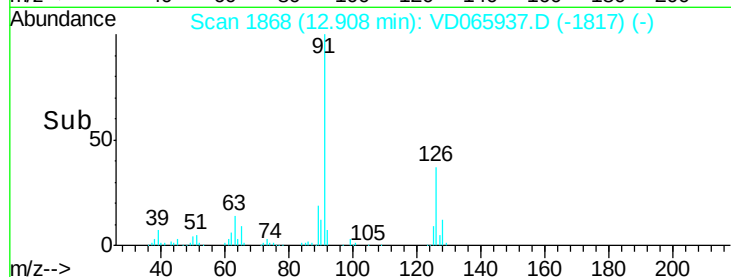
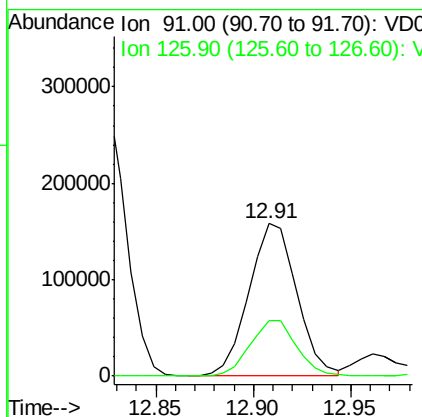
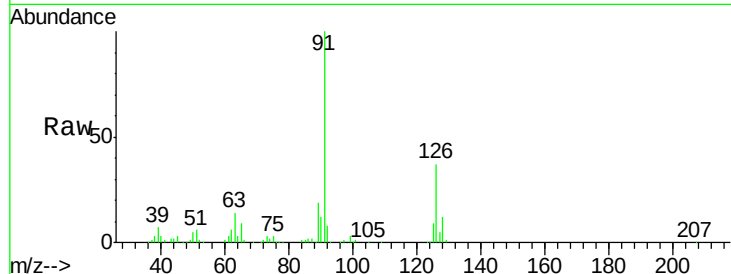
#79
2-Chlorotoluene
Concen: 20.311 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VD065937.D
Acq: 08 Jul 2020 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0708SBS01

Tot Ion: 91 Resp: 268971
Ion Ratio Lower Upper
91 100
126 35.4 17.6 52.8

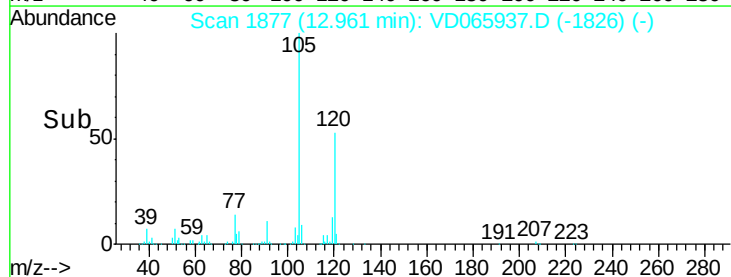
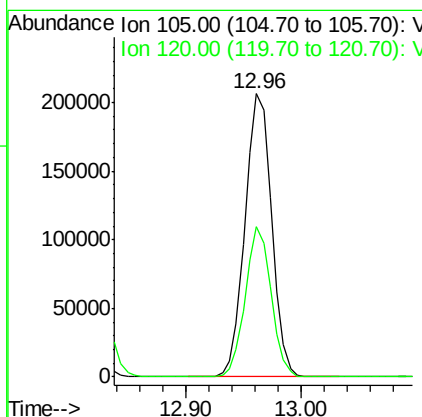
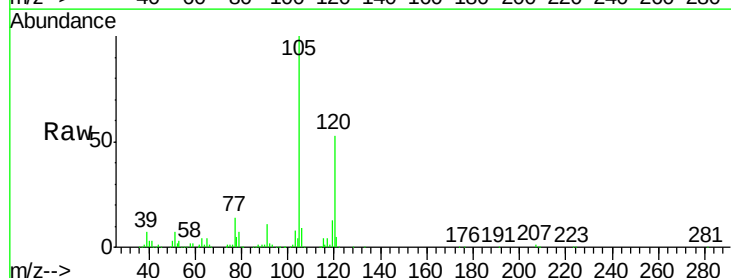
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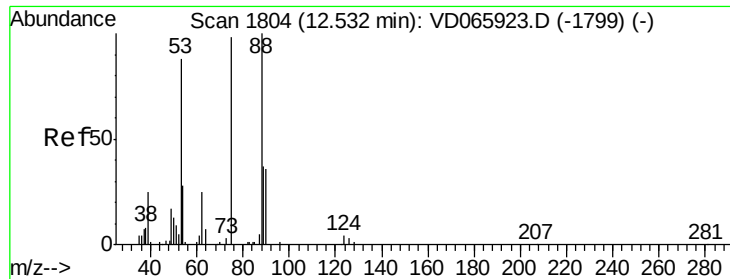
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 20.420 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VD065937.D
Acq: 08 Jul 2020 13:35

Tgt Ion: 105 Resp: 332544
Ion Ratio Lower Upper
105 100
120 51.3 25.2 75.6





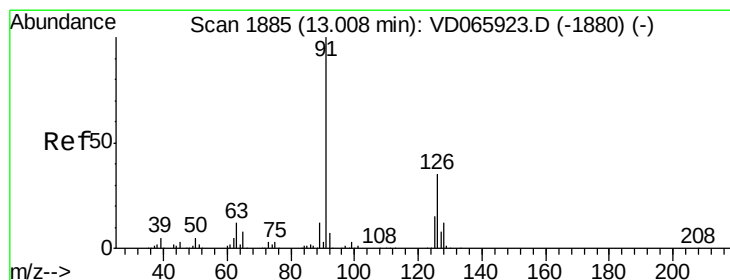
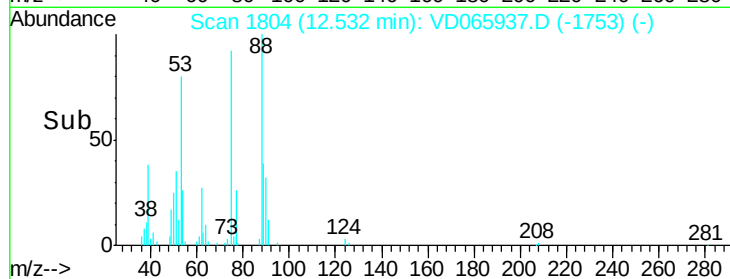
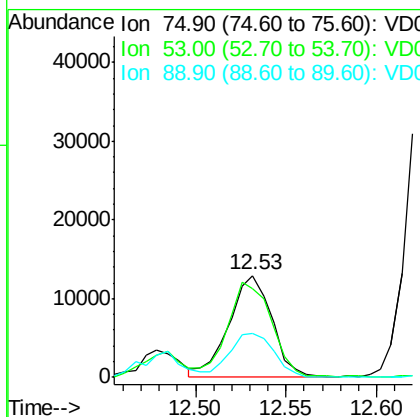
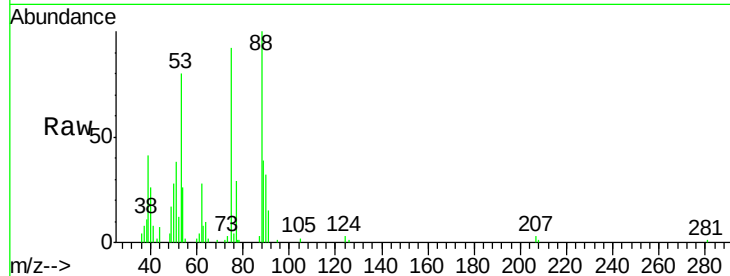
#81
trans-1,4-Dichloro-2-butene
Concen: 19.252 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD065937.D
Acq: 08 Jul 2020 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0708SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.4	75.8	113.8
89	44.6	37.5	56.3

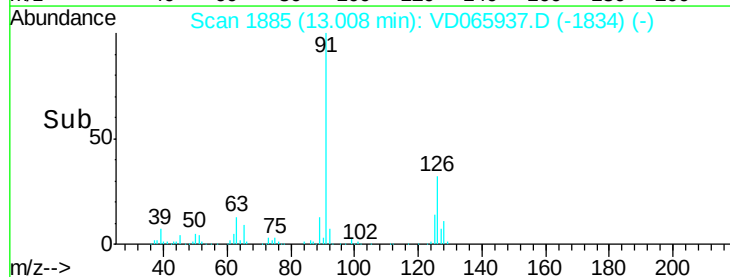
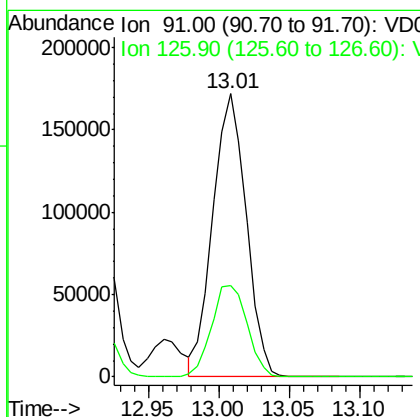
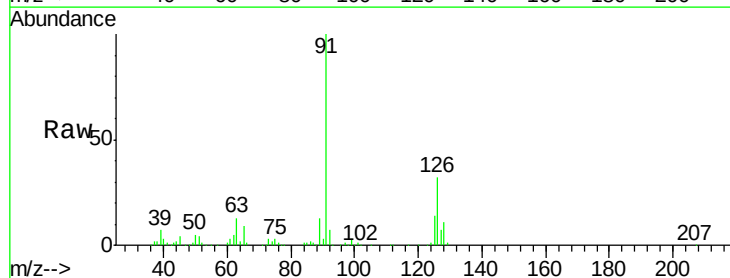
Manual Integrations
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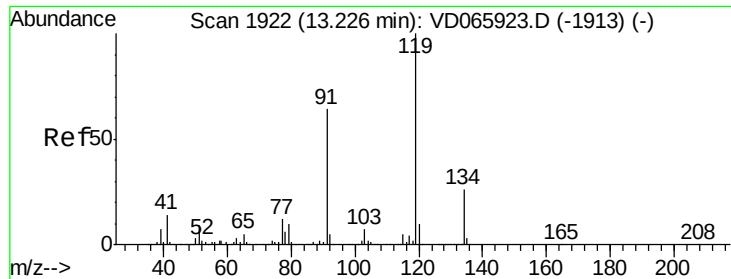
MMDadoda
7/9/2020 10:48:15 AM



#82
4-Chlorotoluene
Concen: 20.407 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD065937.D
Acq: 08 Jul 2020 13:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.3	51.7





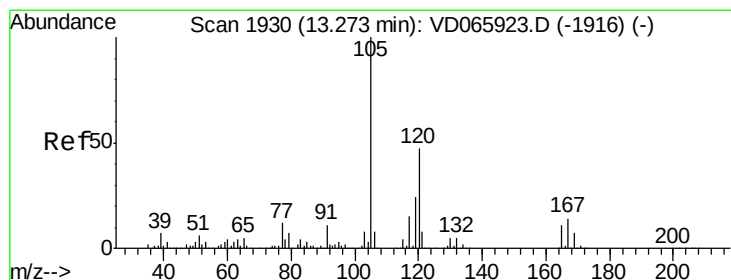
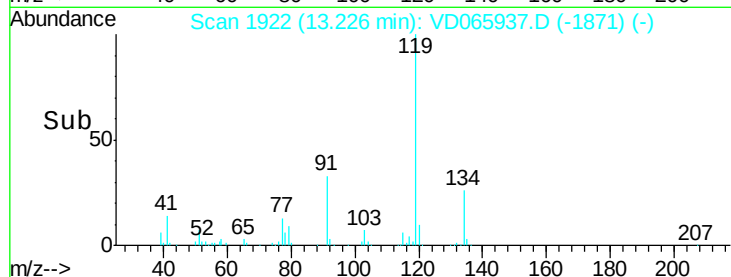
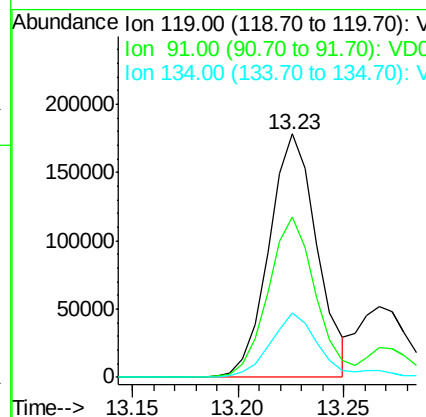
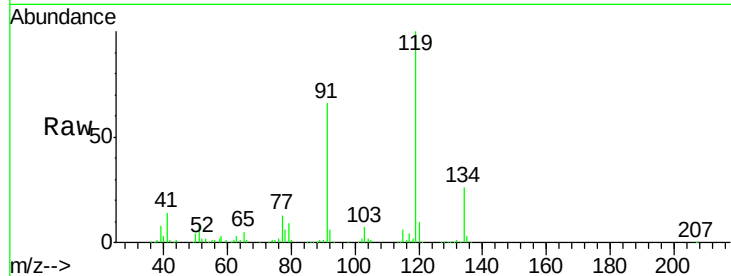
#83
 tert-Butylbenzene
 Concen: 20.390 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD065937.D
 Acq: 08 Jul 2020 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0708SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	282900		
91	65.2		32.4	97.2
134	25.6		14.1	42.4

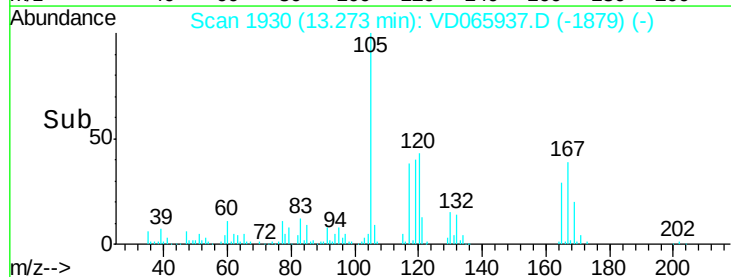
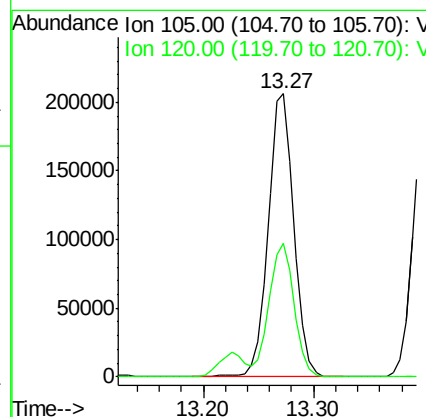
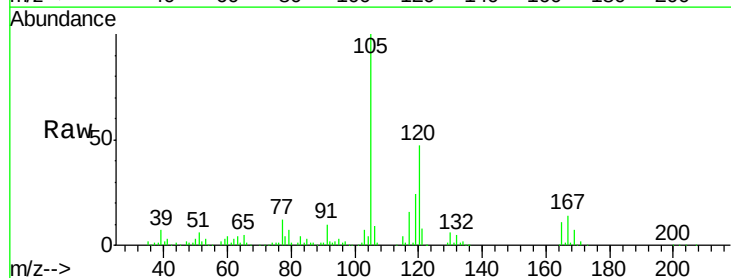
Manual Integrations
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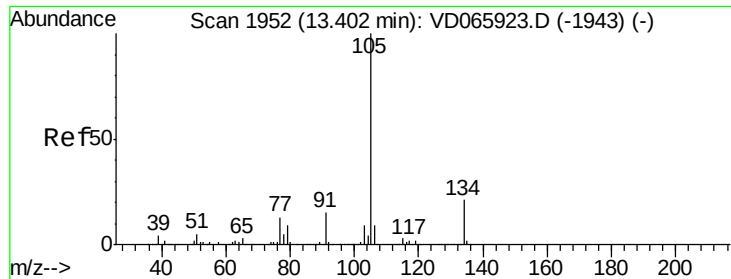
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.628 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD065937.D
 Acq: 08 Jul 2020 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	334402		
120	46.3		23.2	69.5





#85

sec-Butylbenzene

Concen: 20.329 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD065937.D

Acq: 08 Jul 2020 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBS01

Tot Ion:105 Resp: 399731

Ion Ratio Lower Upper

105 100

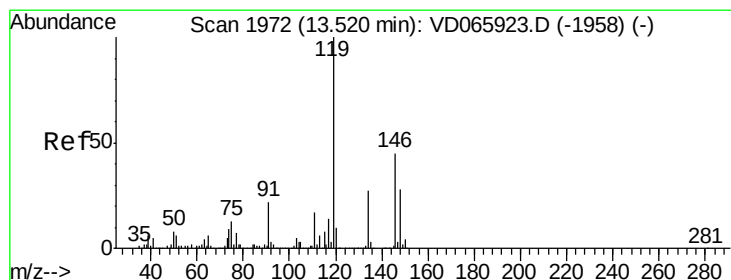
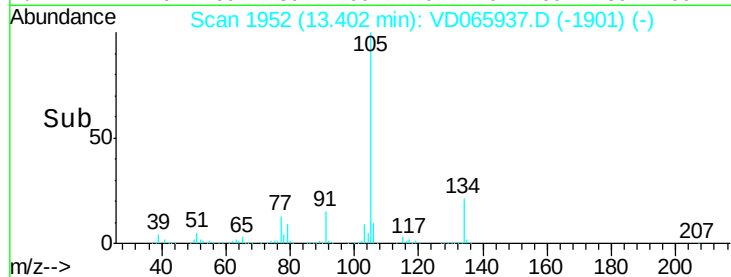
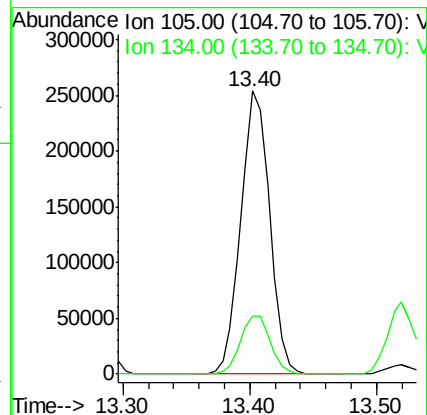
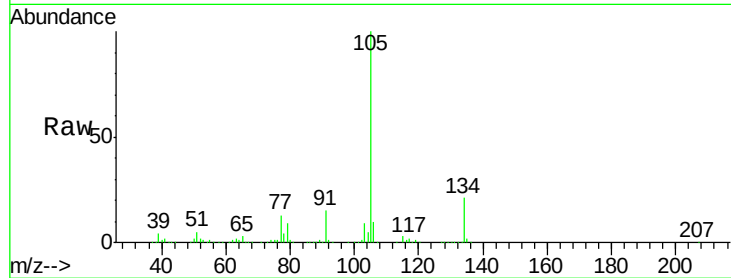
134 21.3 10.4 31.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.282 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD065937.D

Acq: 08 Jul 2020 13:35

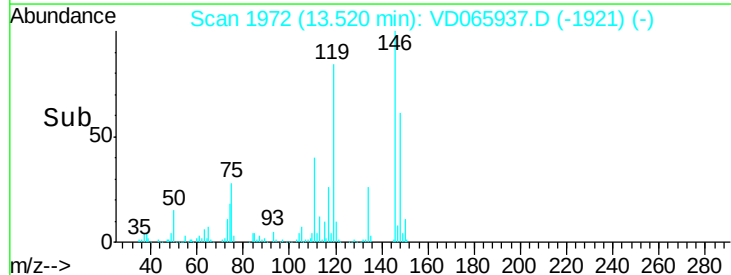
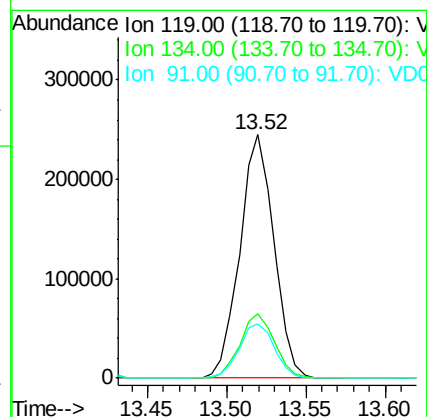
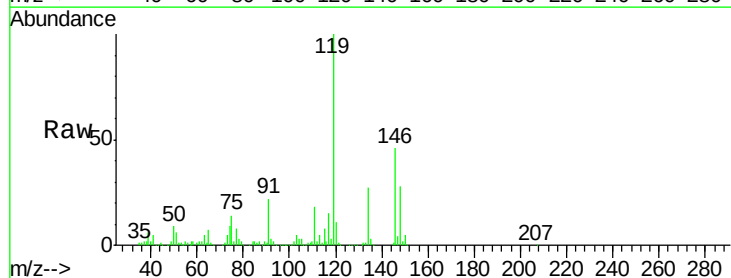
Tgt Ion:119 Resp: 364766

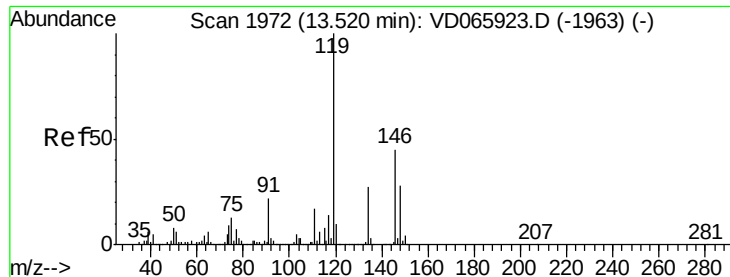
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

91 23.1 11.3 33.8





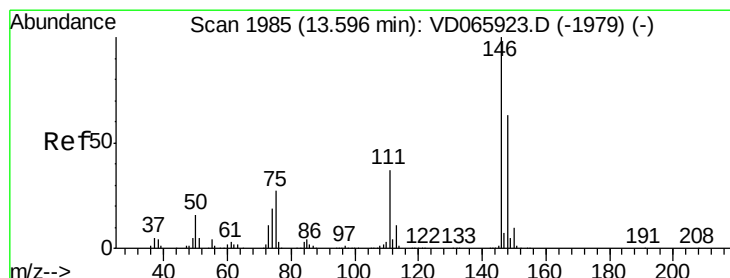
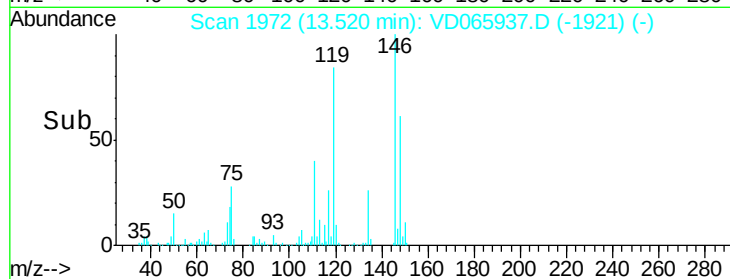
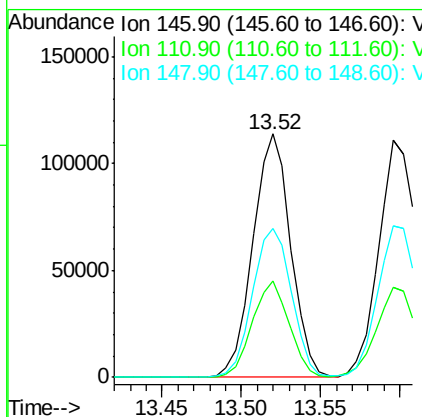
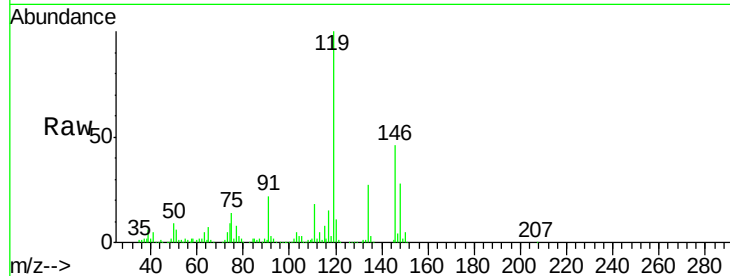
#87
 1,3-Dichlorobenzene
 Concen: 20.891 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD065937.D
 Acq: 08 Jul 2020 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0708SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	188781		
111	38.5	19.3	57.8	
148	63.3	32.0	96.0	

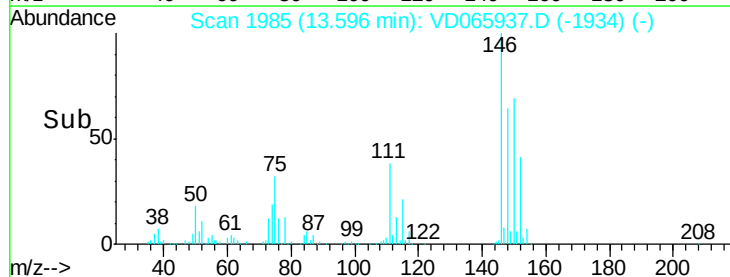
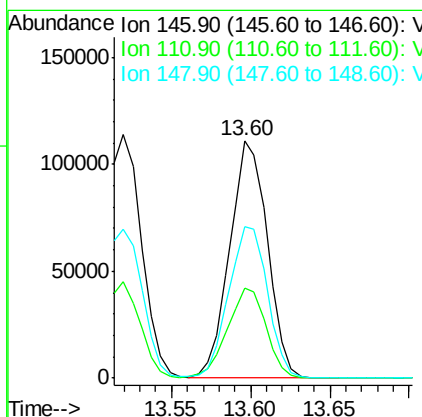
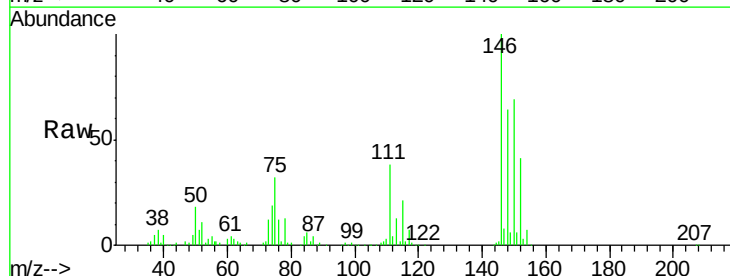
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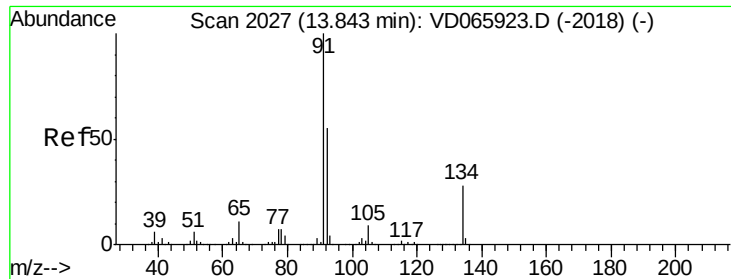
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#88
 1,4-Dichlorobenzene
 Concen: 20.322 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD065937.D
 Acq: 08 Jul 2020 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	183206		
111	38.9	18.9	56.7	
148	65.6	32.1	96.3	





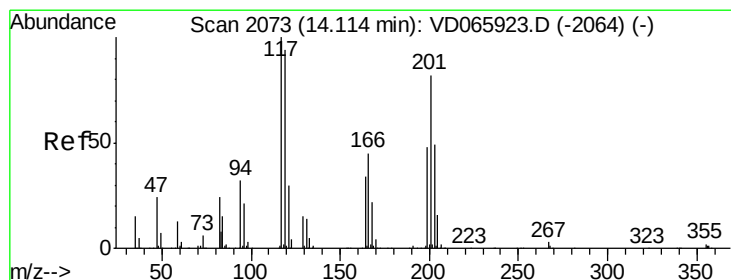
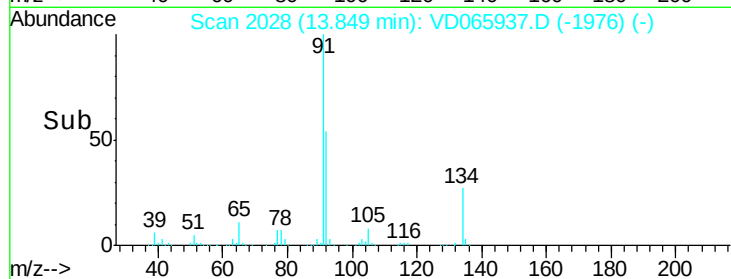
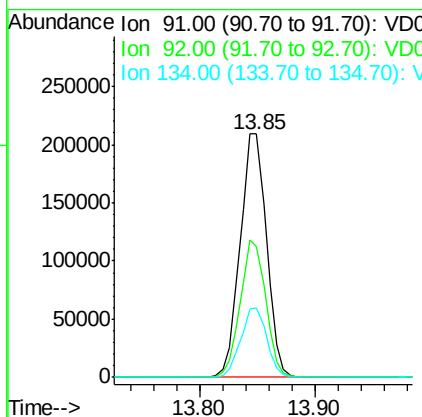
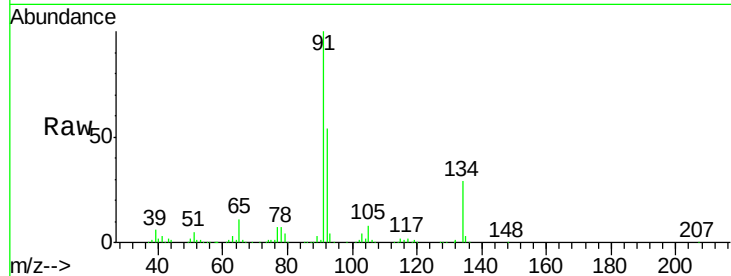
#89
n-Butylbenzene
Concen: 19.672 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD065937.D
Acq: 08 Jul 2020 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0708SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.6	27.2	81.6	
134	28.2	13.8	41.3	

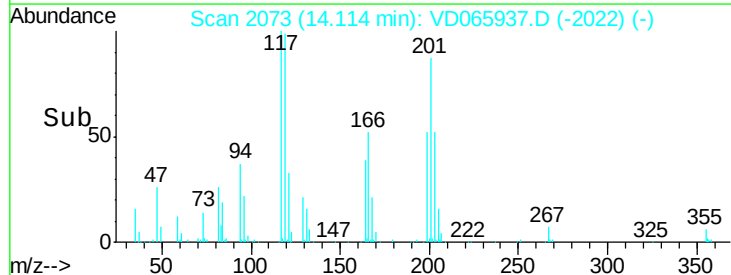
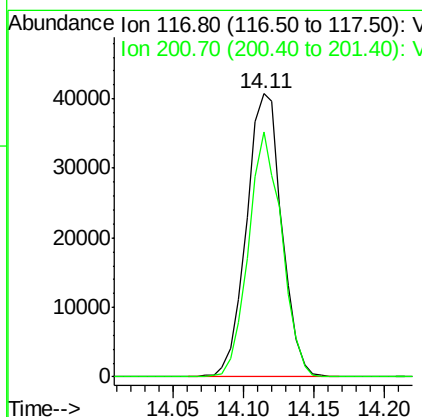
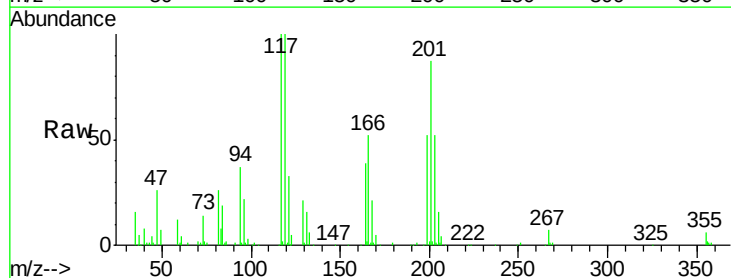
Manual Integrations
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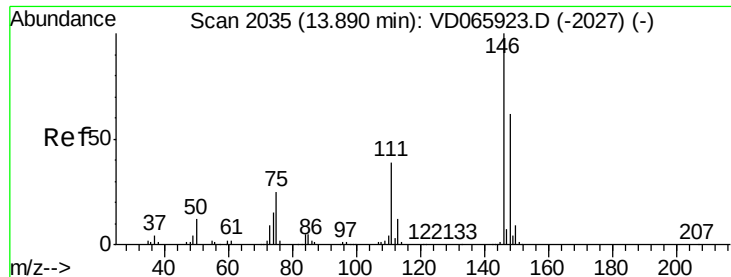
MMDadoda
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#90
Hexachloroethane
Concen: 19.756 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD065937.D
Acq: 08 Jul 2020 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	81.3	40.0	120.0	





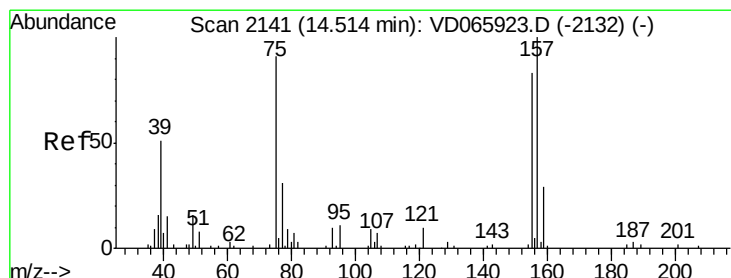
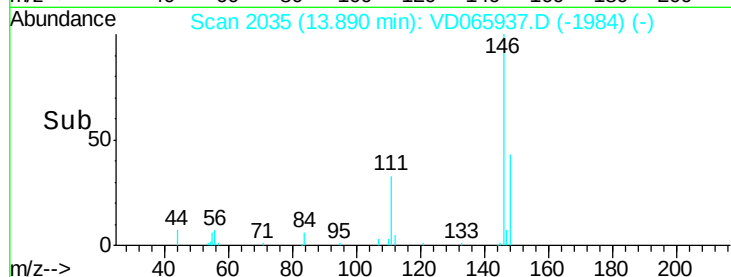
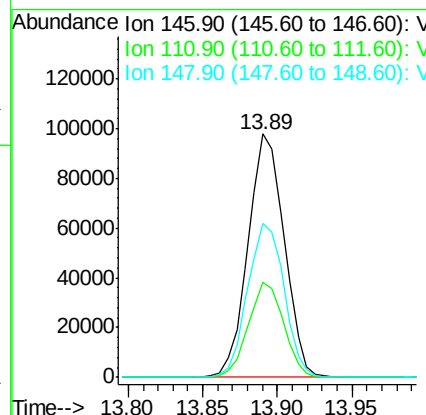
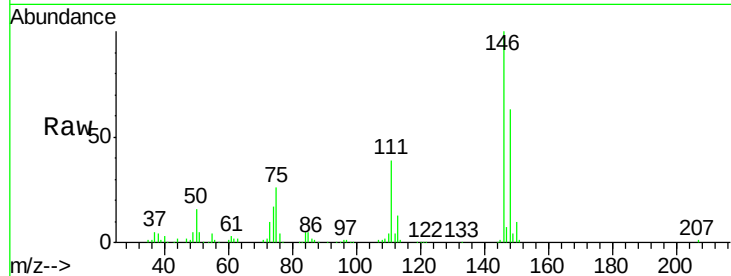
#91
 1,2-Dichlorobenzene
 Concen: 20.728 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD065937.D
 Acq: 08 Jul 2020 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0708SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.7	59.0
148	63.8	32.5	97.5

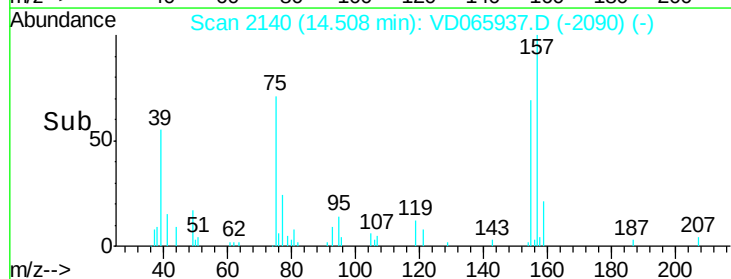
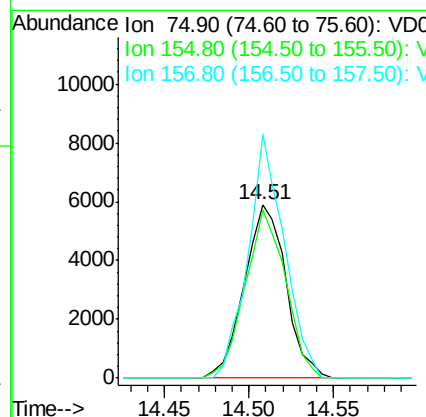
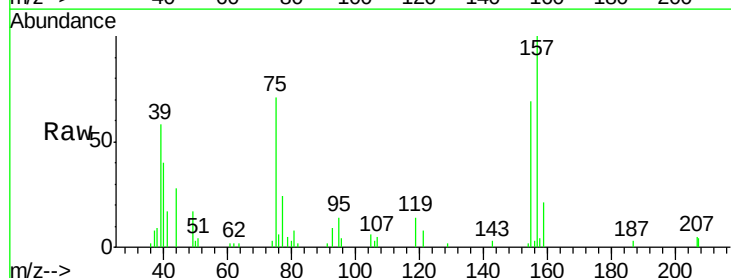
Manual Integrations
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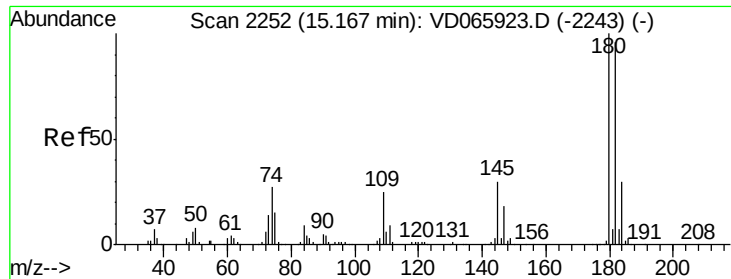
MMDadoda
 7/9/2020 10:48:15 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.226 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD065937.D
 Acq: 08 Jul 2020 13:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.0	45.3	135.8
157	122.7	56.9	170.6





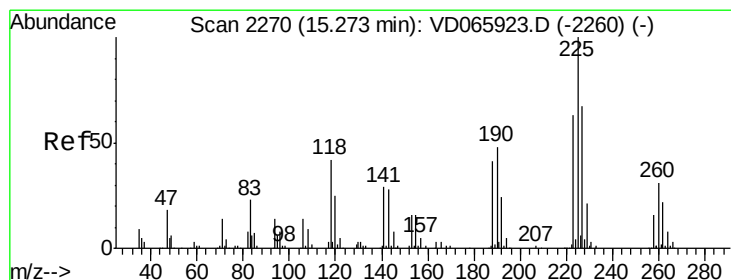
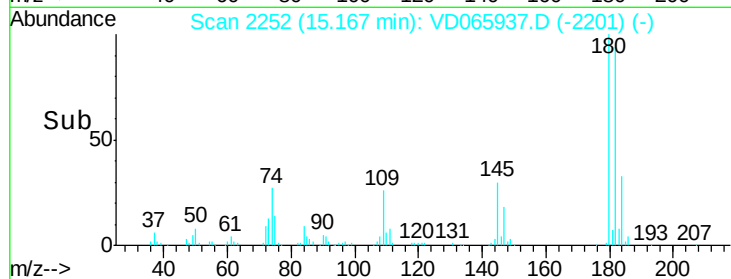
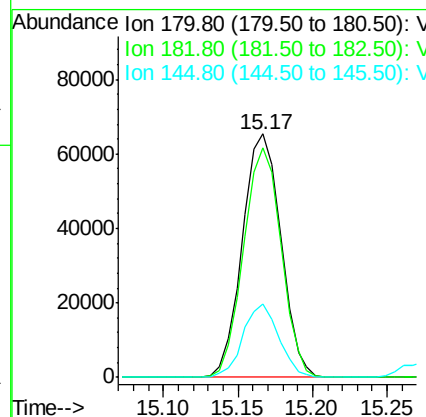
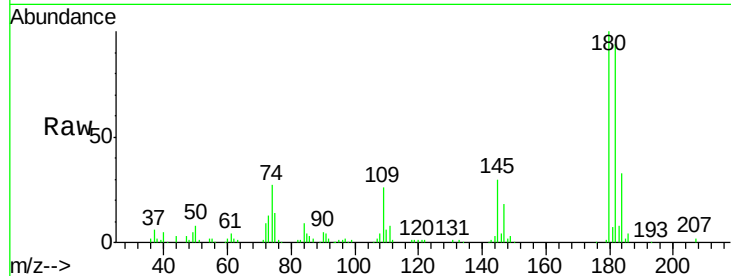
#93
1,2,4-Trichlorobenzene
Concen: 20.817 ug/l
RT: 15.17 min Scan# 2252
Delta R.T. -0.00 min
Lab File: VD065937.D
Acq: 08 Jul 2020 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0708SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	117178		
182	91.8	48.5	145.6	
145	28.0	15.0	45.1	

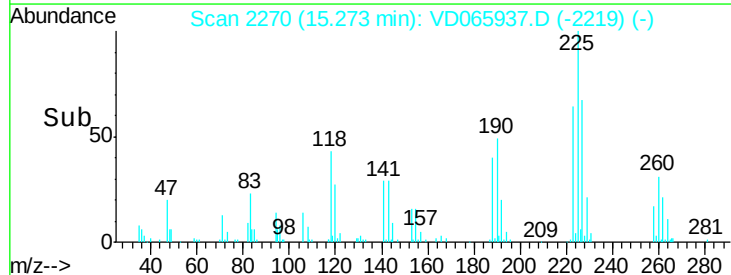
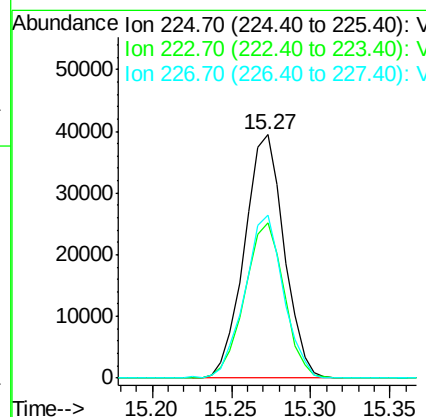
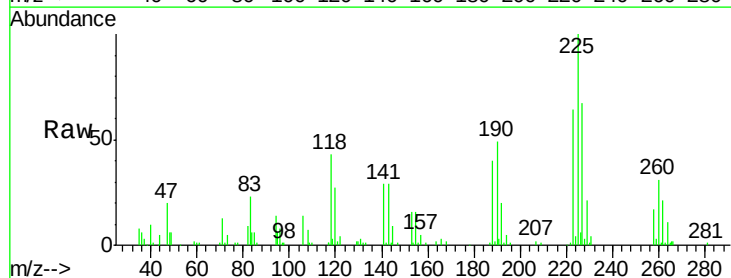
Manual Integrations
APPROVED

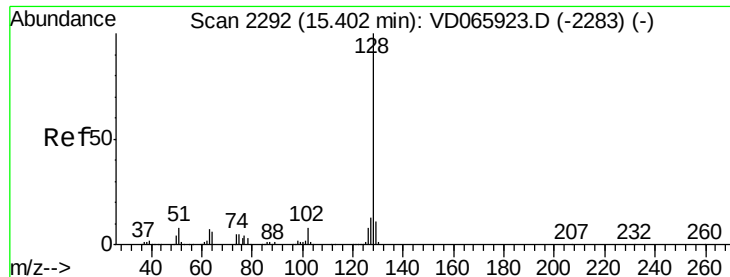
MMDadoda
7/9/2020 10:48:15 AM



#94
Hexachlorobutadiene
Concen: 20.137 ug/l
RT: 15.27 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VD065937.D
Acq: 08 Jul 2020 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	68566		
223	63.3	31.1	93.2	
227	65.6	31.6	95.0	





#95

Naphthalene

Concen: 18.977 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.01 min

Lab File: VD065937.D

Acq: 08 Jul 2020 13:35

Instrument :

MSVOA_D

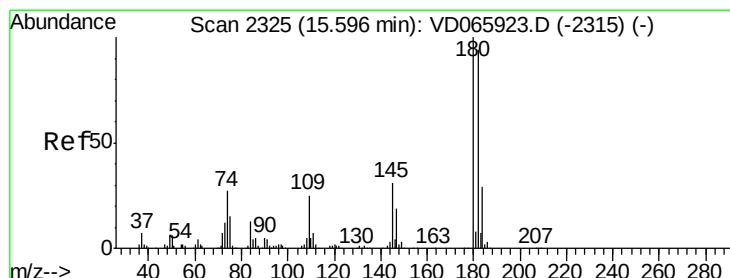
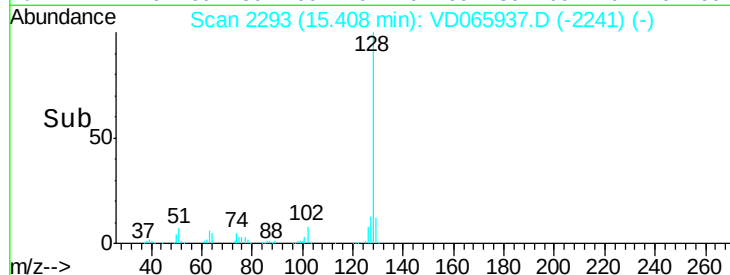
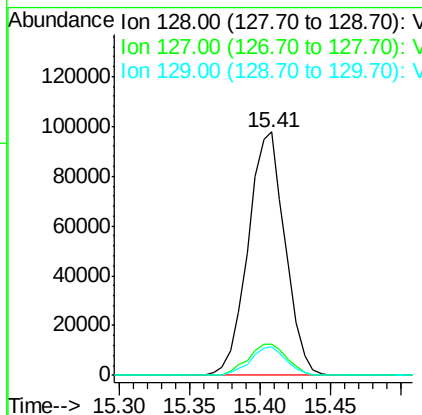
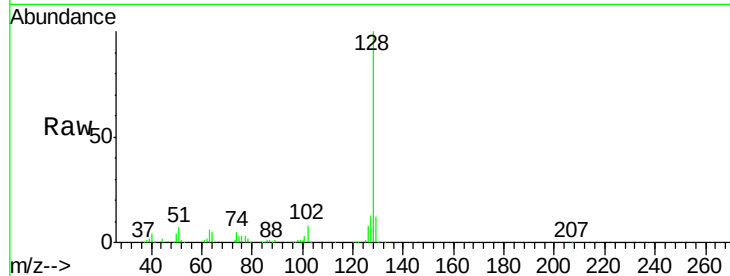
ClientSampleId :

VD0708SBS01

Tot Ion:	128	Resp:	179148
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.8	16.2
129	11.4	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/9/2020 10:48:15 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.272 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.00 min

Lab File: VD065937.D

Acq: 08 Jul 2020 13:35

Tgt Ion:	180	Resp:	98428
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.6	142.8
145	29.9	16.1	48.2

