

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070720\
 Data File : VD065924.D
 Acq On : 07 Jul 2020 15:28
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 7/8/2020 12:05:30 PM

Quant Time: Jul 08 09:42:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 09:18:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	435431	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	648766	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	599723	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	290273	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	372021	96.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	192.82%	
35) Dibromofluoromethane	7.91	113	395711	98.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.74%	
50) Toluene-d8	10.34	98	1451796	99.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	198.84%	
62) 4-Bromofluorobenzene	12.64	95	502470	100.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	346227	89.441	ug/l	97
3) Chloromethane	2.21	50	356033	92.779	ug/l	98
4) Vinyl Chloride	2.35	62	333718	94.713	ug/l	97
5) Bromomethane	2.76	94	201660	90.354	ug/l	97
6) Chloroethane	2.92	64	202204	96.003	ug/l	93
7) Trichlorofluoromethane	3.27	101	720803	95.449	ug/l	100
8) Diethyl Ether	3.71	74	208166	100.479	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	431045	95.426	ug/l	99
10) Methyl Iodide	4.30	142	509301	118.720	ug/l	99
11) Tert butyl alcohol	5.22	59	121303	443.741	ug/l	98
12) 1,1-Dichloroethene	4.07	96	409451	97.028	ug/l	95
13) Acrolein	3.92	56	94131	413.447	ug/l	97
14) Allyl chloride	4.71	41	720481	100.748	ug/l	99
15) Acrylonitrile	5.42	53	469164	517.227	ug/l	98
16) Acetone	4.15	43	457090	505.424	ug/l	99
17) Carbon Disulfide	4.41	76	1300253	96.702	ug/l	99
18) Methyl Acetate	4.71	43	200214	94.444	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	937882	104.978	ug/l	98
20) Methylene Chloride	4.96	84	472580	73.561	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	461421	97.185	ug/l	99
22) Diisopropyl ether	6.36	45	1350416	100.483	ug/l	98
23) Vinyl Acetate	6.30	43	4049915	527.946	ug/l	99
24) 1,1-Dichloroethane	6.26	63	793425	99.009	ug/l	100
25) 2-Butanone	7.21	43	614372	514.103	ug/l	94
26) 2,2-Dichloropropane	7.21	77	682322	97.328	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	508229	99.626	ug/l	99
28) Bromochloromethane	7.54	49	279238	92.241	ug/l	100
29) Tetrahydrofuran	7.56	42	387171	509.502	ug/l	99
30) Chloroform	7.71	83	800847	98.576	ug/l	99
31) Cyclohexane	7.98	56	731187	92.734	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	728910	98.316	ug/l	99
36) 1,1-Dichloropropene	8.11	75	641914	100.182	ug/l	98
37) Ethyl Acetate	7.29	43	276273	102.905	ug/l	97
38) Carbon Tetrachloride	8.10	117	686195	99.915	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	813688	103.436	ug/l	98
40) Benzene	8.35	78	1788523	101.038	ug/l	99
41) Methacrylonitrile	7.53	41	170808m	107.040	ug/l	
42) 1,2-Dichloroethane	8.43	62	500430	99.792	ug/l	99
43) Isopropyl Acetate	8.45	43	534322	106.923	ug/l	100
44) Trichloroethene	9.11	130	518918	99.772	ug/l	96
45) 1,2-Dichloropropane	9.39	63	443470	100.938	ug/l	99
46) Dibromomethane	9.48	93	232150	101.493	ug/l	99
47) Bromodichloromethane	9.66	83	622815	101.507	ug/l	99
48) Methyl methacrylate	9.46	41	274967	109.299	ug/l	98
49) 1,4-Dioxane	9.46	88	57361	2110.548	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	1336430	528.973	ug/l	99
52) Toluene	10.41	92	1145918	101.754	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	607745	105.343	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	732333	105.051	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	322649	102.379	ug/l	100
56) Ethyl methacrylate	10.66	69	428161	111.233	ug/l	98
57) 1,3-Dichloropropane	10.95	76	571702	103.731	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	913826	490.204	ug/l	100
59) 2-Hexanone	10.98	43	932058	536.423	ug/l	99
60) Dibromochloromethane	11.14	129	437513	101.612	ug/l	100
61) 1,2-Dibromoethane	11.25	107	319164	101.574	ug/l	98
64) Tetrachloroethene	10.88	164	436008	99.971	ug/l	97
65) Chlorobenzene	11.67	112	1205035	99.708	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	454545	100.556	ug/l	100
67) Ethyl Benzene	11.75	91	2167911	100.973	ug/l	100
68) m/p-Xylenes	11.86	106	1648084	202.042	ug/l	100
69) o-Xylene	12.18	106	776703	104.526	ug/l	99
70) Styrene	12.20	104	1305806	101.799	ug/l	99
71) Bromoform	12.37	173	260791	101.959	ug/l	# 100
73) Isopropylbenzene	12.48	105	2105654	103.940	ug/l	99
74) N-amyl acetate	12.29	43	487685	107.281	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	345752	102.802	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	239707m	98.845	ug/l	
77) Bromobenzene	12.76	156	502502	102.269	ug/l	99
78) n-propylbenzene	12.83	91	2426667	102.171	ug/l	99
79) 2-Chlorotoluene	12.91	91	1376197	102.137	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	1704191	102.848	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	121469	107.187	ug/l	99
82) 4-Chlorotoluene	13.01	91	1427862	101.004	ug/l	99
83) tert-Butylbenzene	13.23	119	1480067	104.842	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1690485	102.490	ug/l	99
85) sec-Butylbenzene	13.40	105	2075753	103.753	ug/l	99
86) p-Isopropyltoluene	13.52	119	1898744	103.762	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	930535	101.208	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	920105	100.310	ug/l	100
89) n-Butylbenzene	13.85	91	1774145	103.244	ug/l	99
90) Hexachloroethane	14.11	117	373182	101.130	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	818446	101.847	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	58673	104.329	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	608674	106.276	ug/l	97
94) Hexachlorobutadiene	15.27	225	358155	103.381	ug/l	99
95) Naphthalene	15.40	128	1064886	110.863	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	519729	105.206	ug/l	99

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

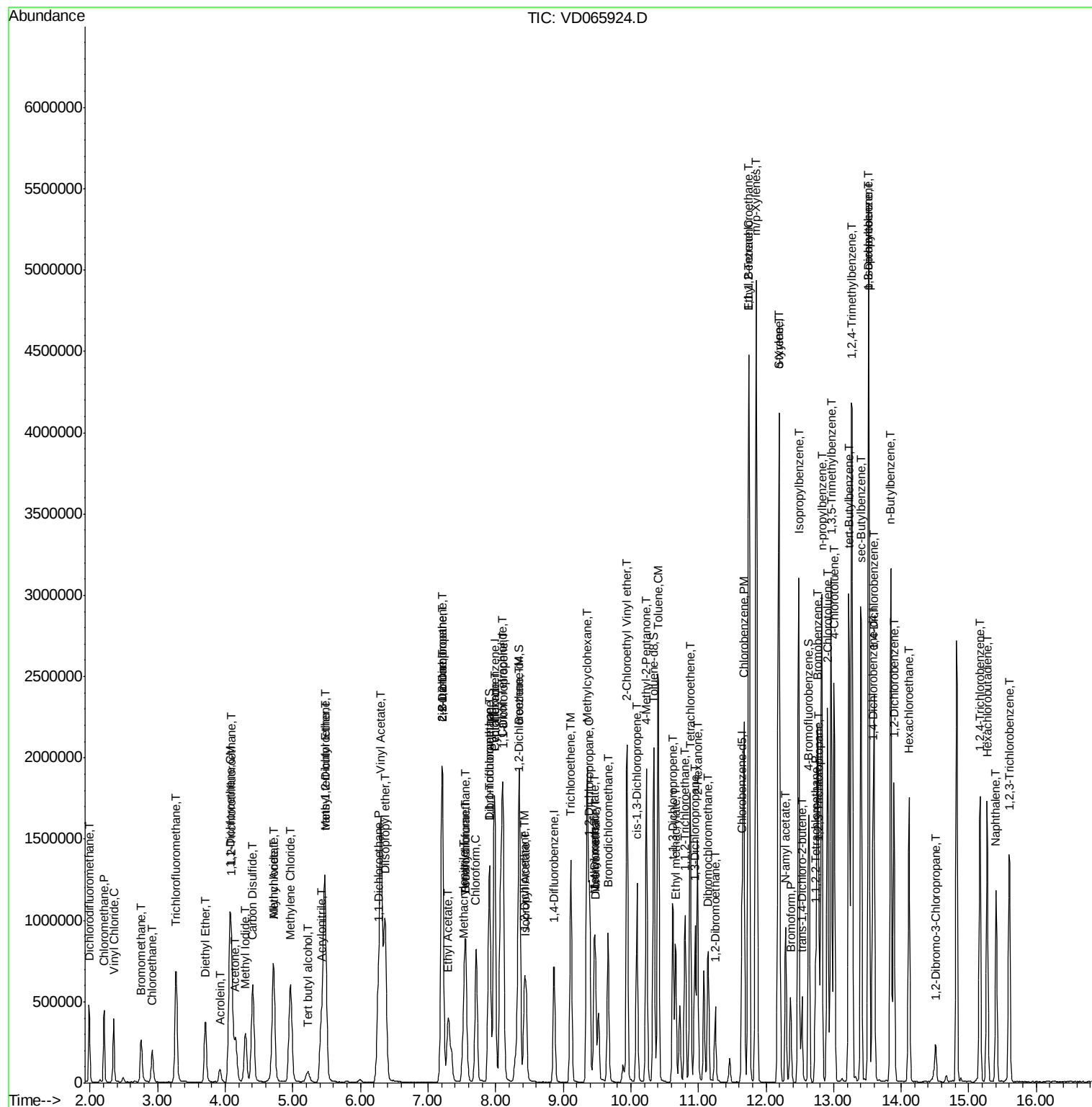
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070720\
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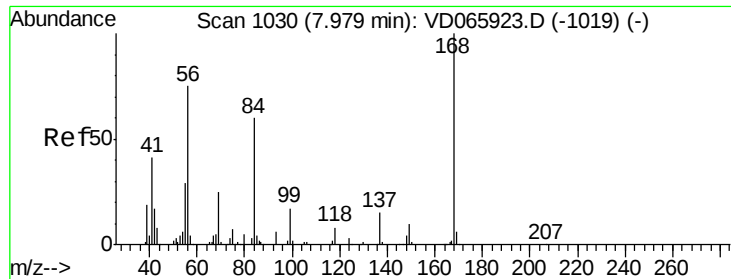
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD065924.D

Acq: 07 Jul 2020 15:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 435431

Ion Ratio Lower Upper

168 100

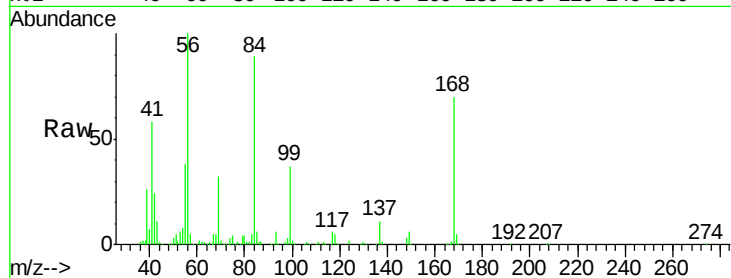
99 53.1 43.1 64.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

200000

150000

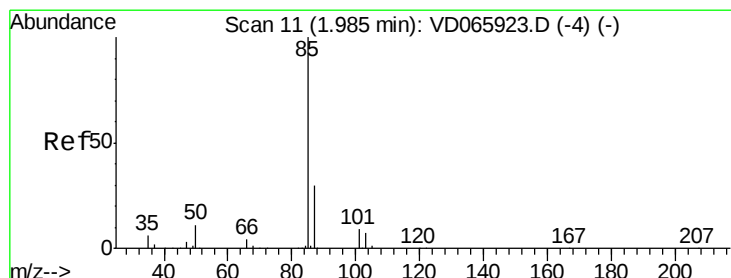
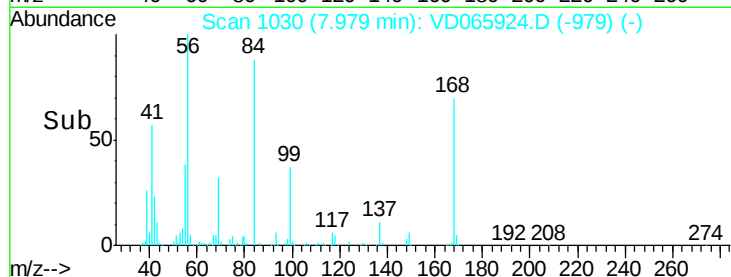
100000

50000

0

7.90 7.98 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 89.441 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065924.D

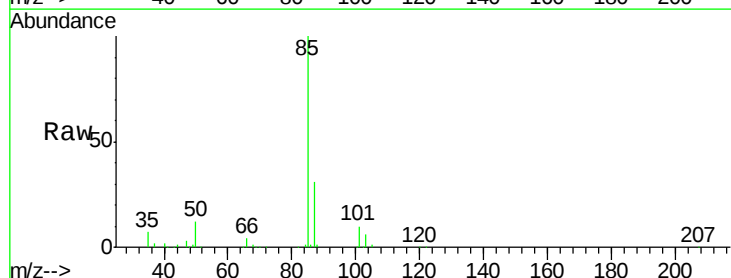
Acq: 07 Jul 2020 15:28

Tgt Ion: 85 Resp: 346227

Ion Ratio Lower Upper

85 100

87 31.3 14.9 44.9



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

300000

250000

200000

150000

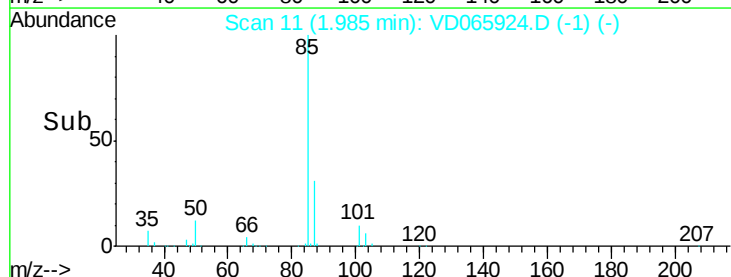
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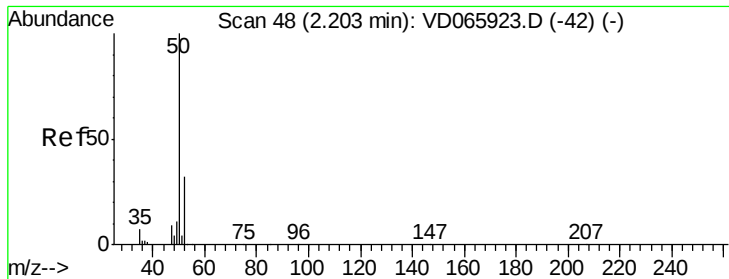
50000

0

1.90 1.99 2.10

Time-->





#3

Chloromethane

Concen: 92.779 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD065924.D

Acq: 07 Jul 2020 15:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 356033

Ion Ratio Lower Upper

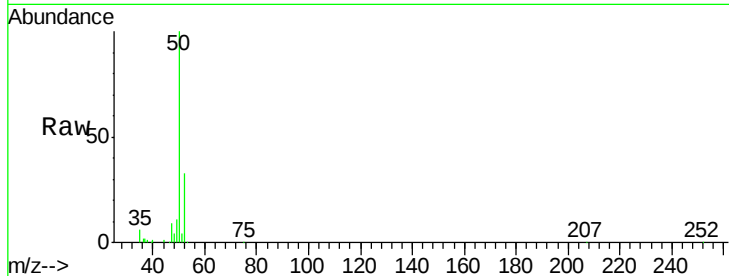
50 100

52 32.9 25.6 38.4

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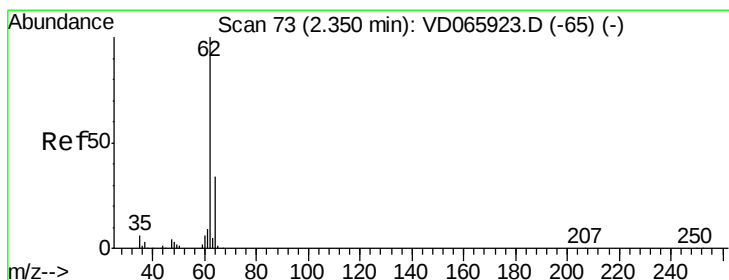
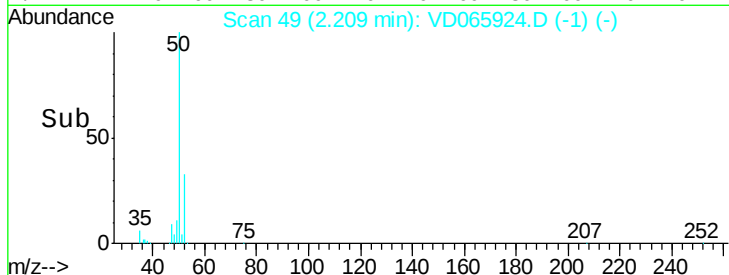
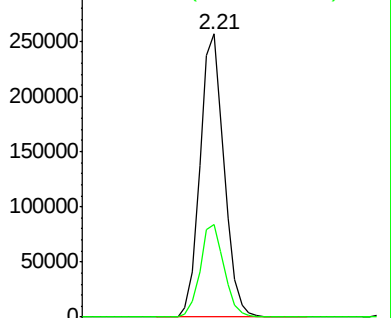
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 94.713 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065924.D

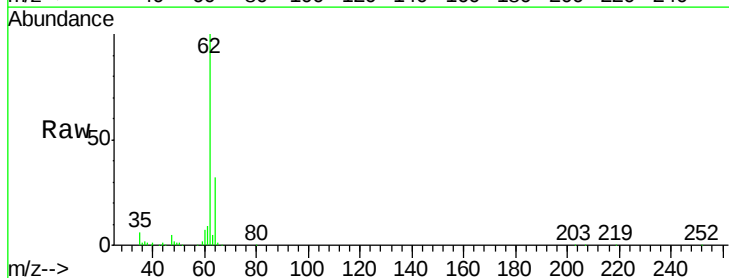
Acq: 07 Jul 2020 15:28

Tgt Ion: 62 Resp: 333718

Ion Ratio Lower Upper

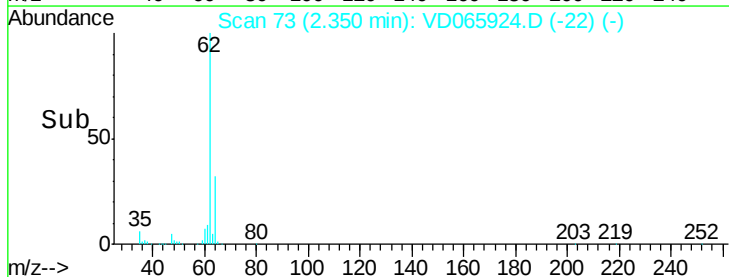
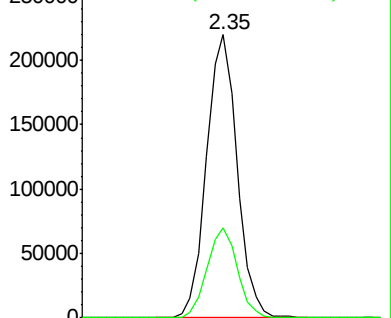
62 100

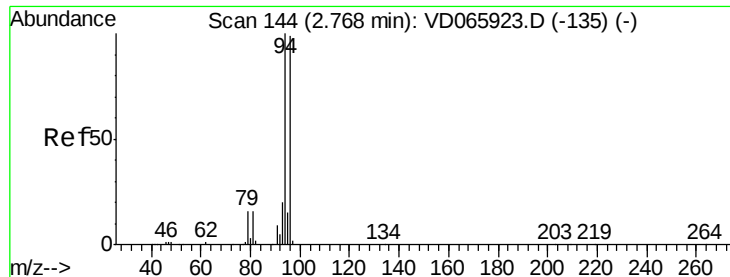
64 32.0 27.2 40.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 90.354 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD065924.D

Acq: 07 Jul 2020 15:28

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MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 201660

Ion Ratio Lower Upper

94 100

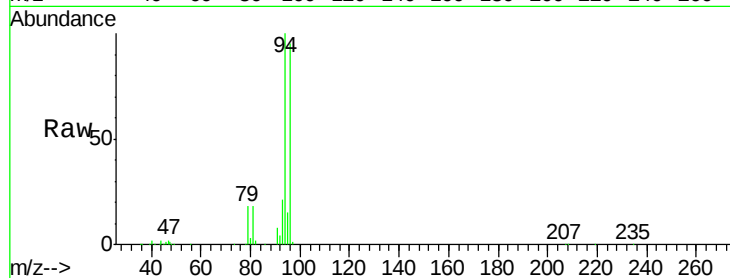
96 95.1 78.8 118.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

100000

80000

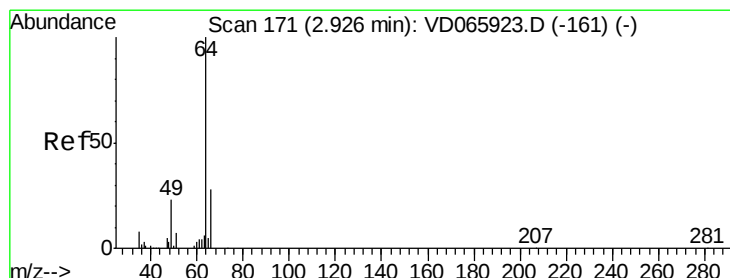
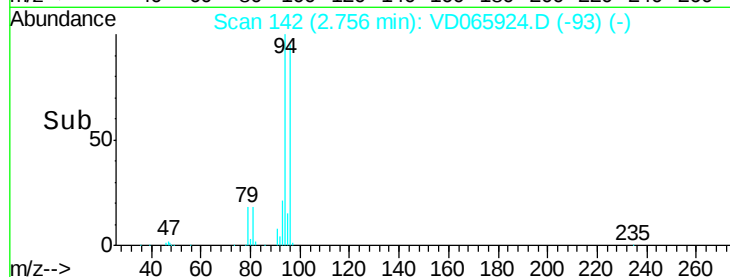
60000

40000

20000

0

Time--> 2.65 2.70 2.75 2.80 2.85



#6

Chloroethane

Concen: 96.003 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065924.D

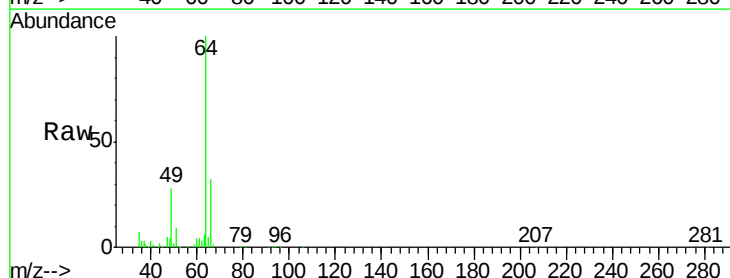
Acq: 07 Jul 2020 15:28

Tgt Ion: 64 Resp: 202204

Ion Ratio Lower Upper

64 100

66 32.0 22.6 33.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

100000

80000

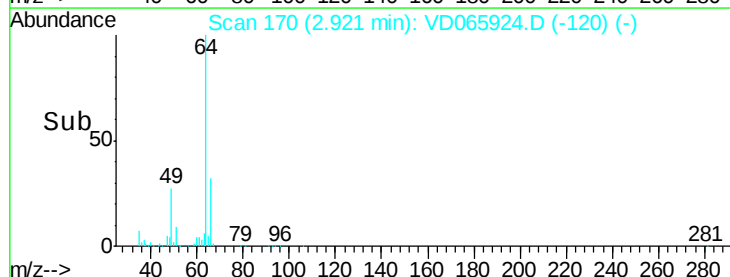
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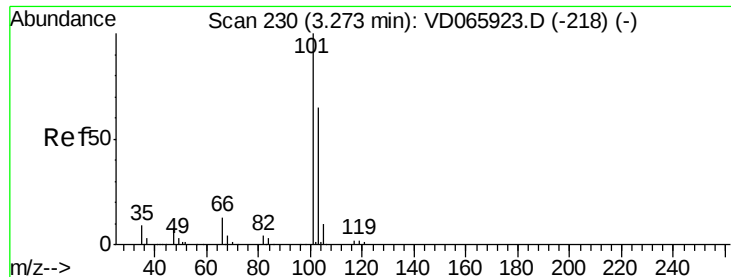
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20000

0

Time--> 2.80 2.90 3.00





#7

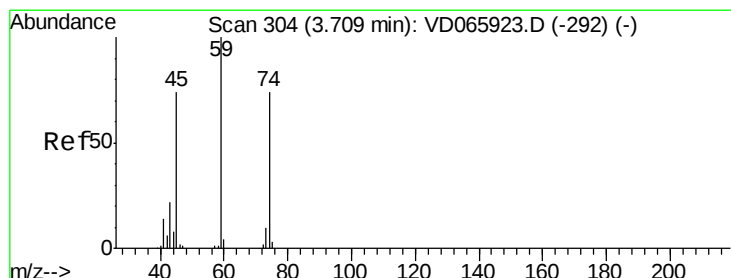
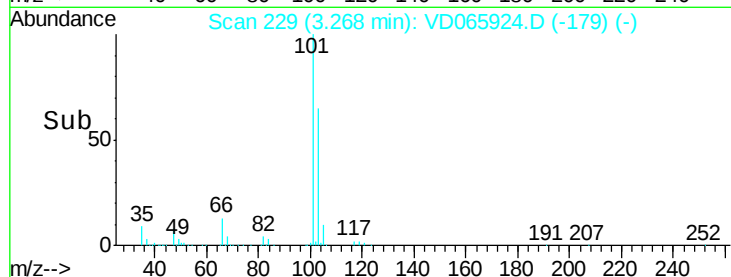
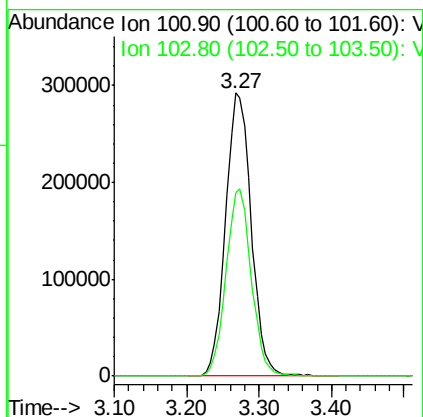
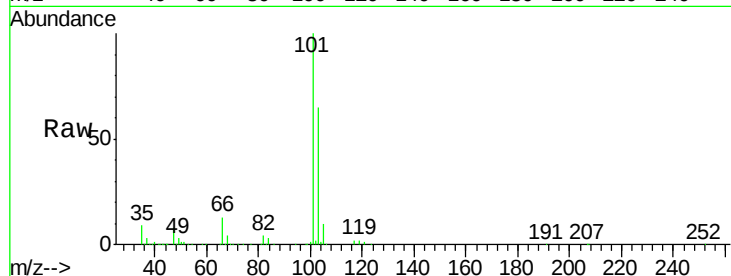
Trichlorofluoromethane
 Concen: 95.449 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065924.D
 Acq: 07 Jul 2020 15:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.7	77.5

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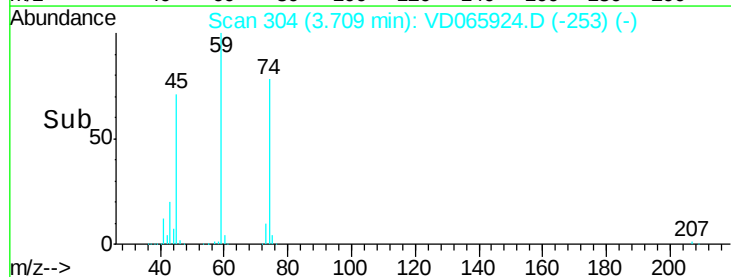
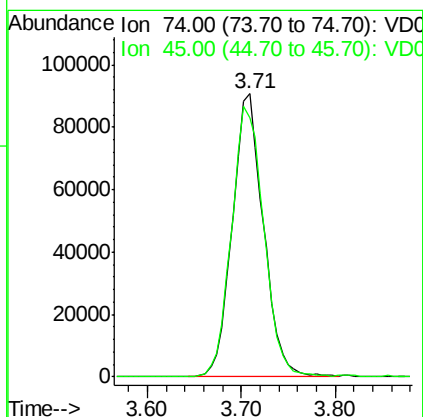
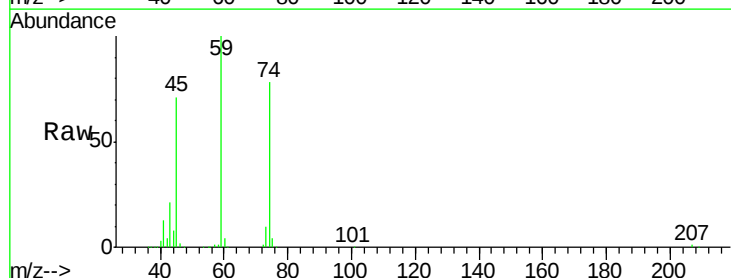
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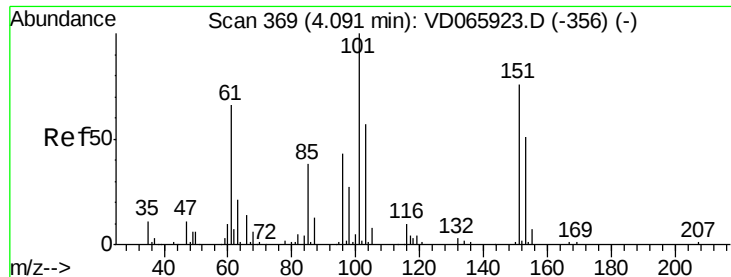


#8

Diethyl Ether
 Concen: 100.479 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065924.D
 Acq: 07 Jul 2020 15:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.7	51.1	153.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 95.426 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD065924.D

Acq: 07 Jul 2020 15:28

Instrument :

MSVOA_D

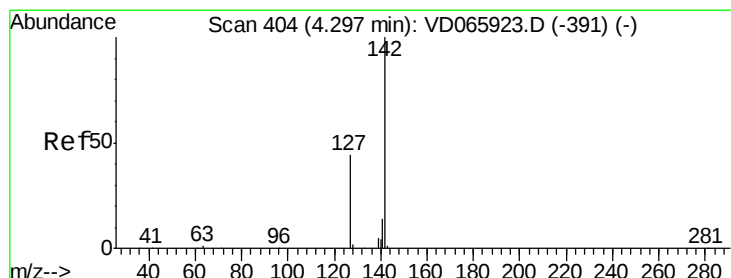
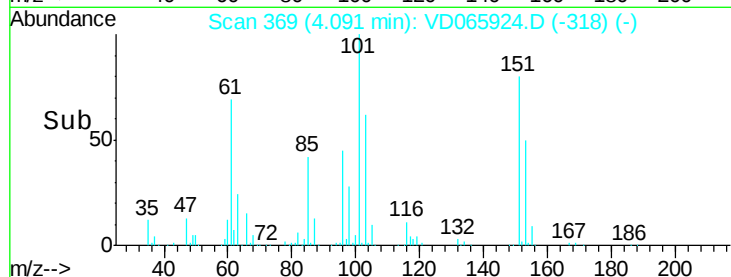
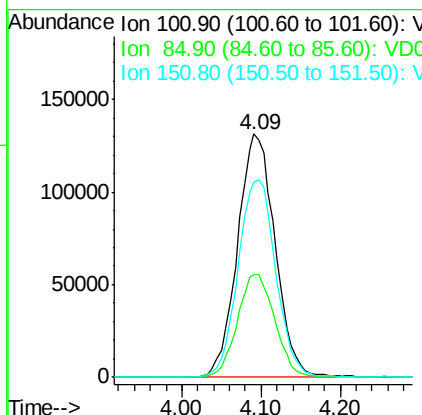
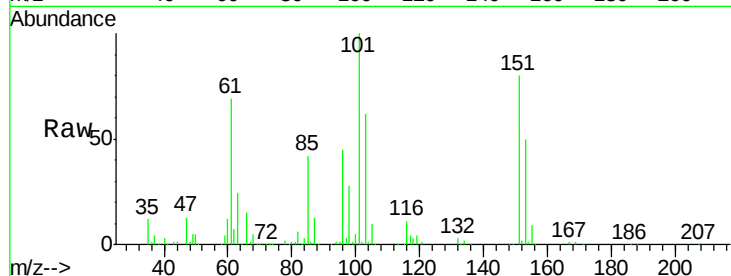
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	431045
Ion Ratio	Lower	Upper	
101	100		
85	42.4	33.8	50.8
151	82.0	64.1	96.1

Manual Integrations
APPROVED

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#10

Methyl Iodide

Concen: 118.720 ug/l

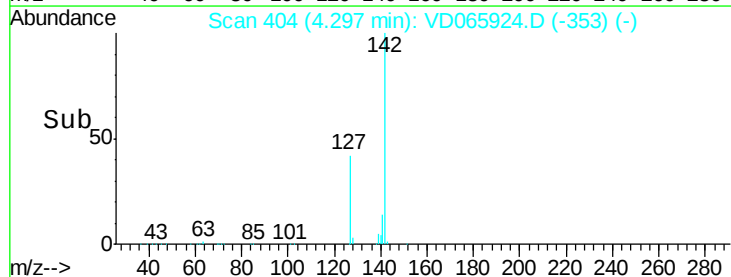
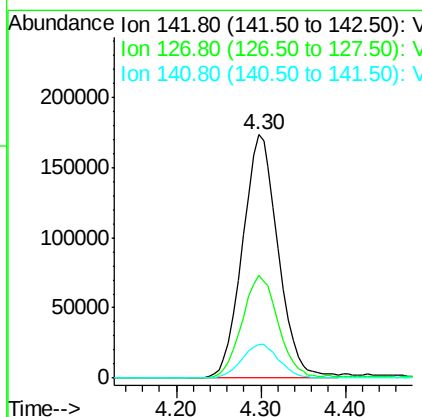
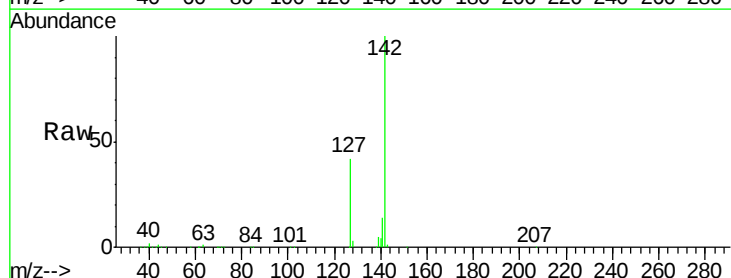
RT: 4.30 min Scan# 404

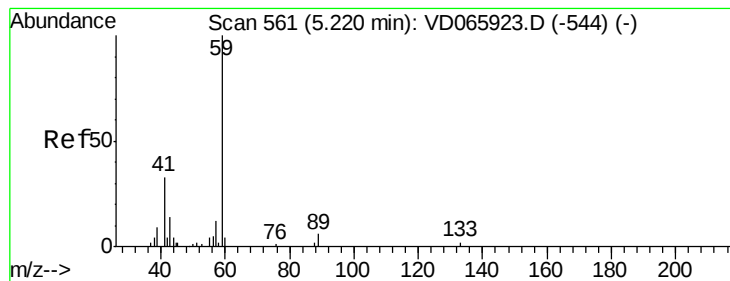
Delta R.T. 0.00 min

Lab File: VD065924.D

Acq: 07 Jul 2020 15:28

Tgt Ion:	142	Resp:	509301
Ion Ratio	Lower	Upper	
142	100		
127	42.8	34.6	51.8
141	14.5	11.6	17.4





#11

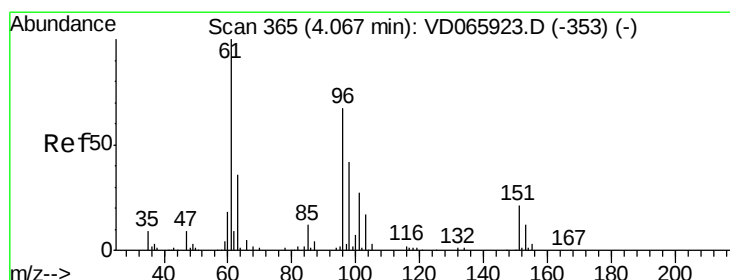
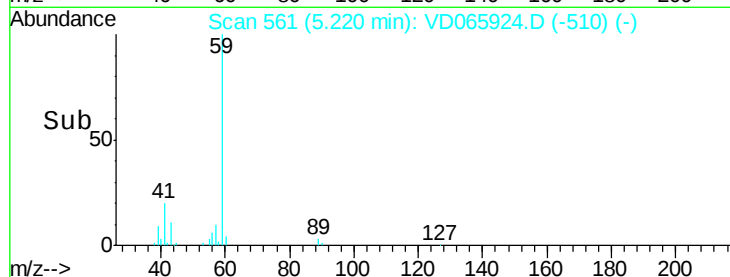
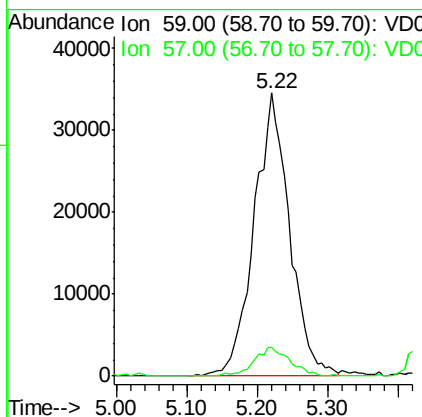
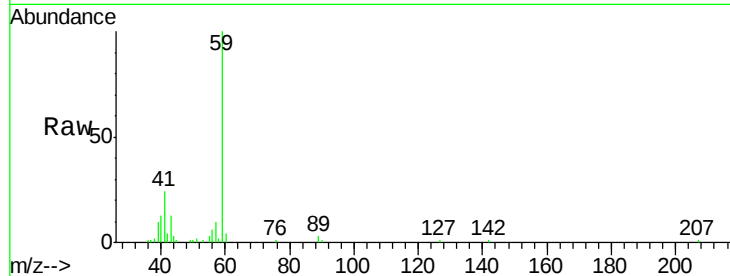
Tert butyl alcohol
Concen: 443.741 ug/l
RT: 5.22 min Scan# 561
Delta R.T. 0.00 min
Lab File: VD065924.D
Acq: 07 Jul 2020 15:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	59	Resp	121303
Ion Ratio	100	Lower	Upper
57	10.0	8.7	13.1

Manual Integrations
APPROVED

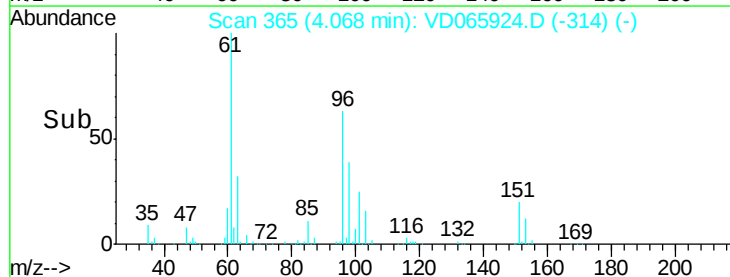
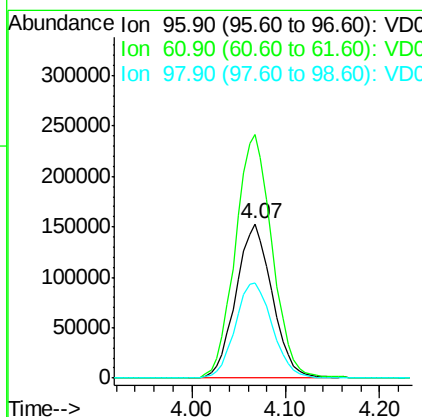
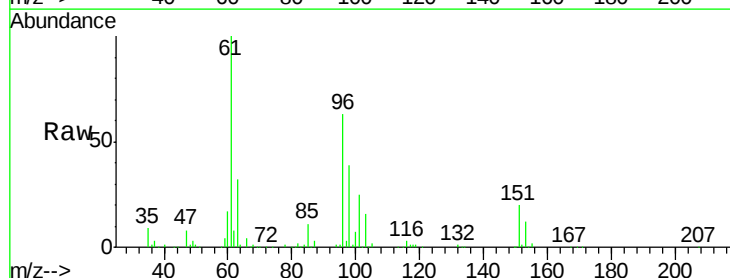
MMDadoda
7/8/2020 12:05:30 PM

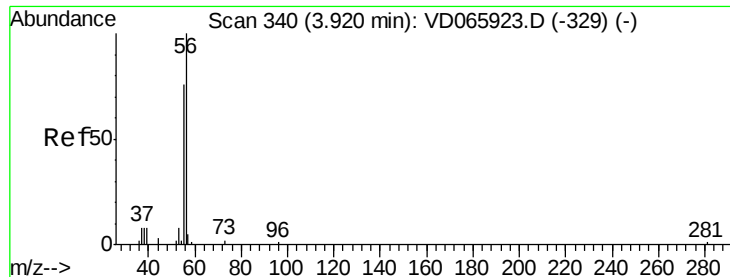


#12

1,1-Dichloroethene
Concen: 97.028 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD065924.D
Acq: 07 Jul 2020 15:28

Tgt Ion	96	Resp	409451
Ion Ratio	100	Lower	Upper
61	157.7	120.2	180.2
98	61.6	50.6	76.0





#13

Acrolein

Concen: 413.447 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD065924.D

Acq: 07 Jul 2020 15:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 94131

Ion Ratio Lower Upper

56 100

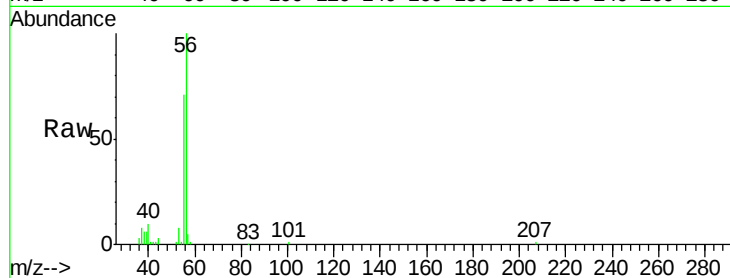
55 71.2 55.0 82.6

Manual Integrations

APPROVED

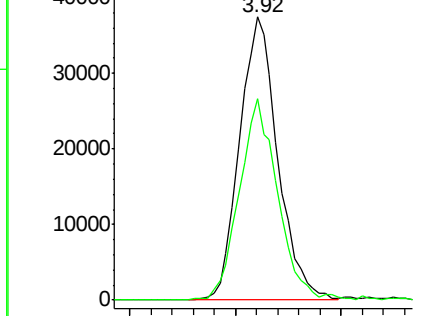
MMDadoda

7/8/2020 12:05:30 PM

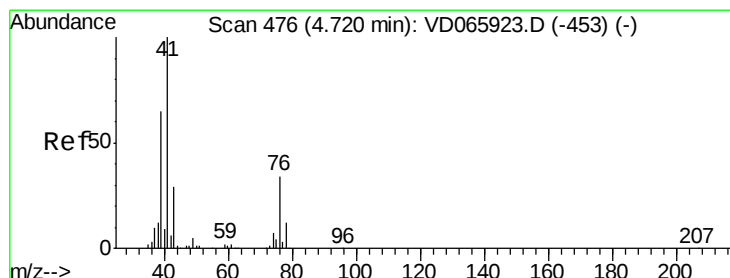
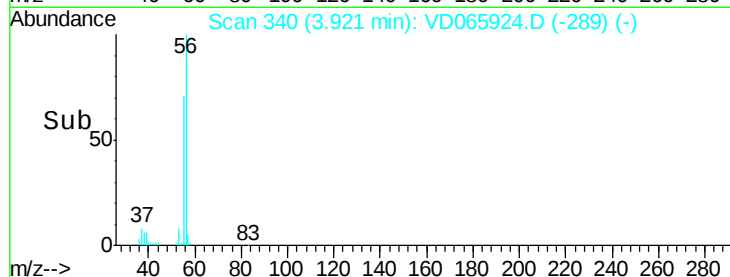


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



Time-->



#14

Allyl chloride

Concen: 100.748 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD065924.D

Acq: 07 Jul 2020 15:28

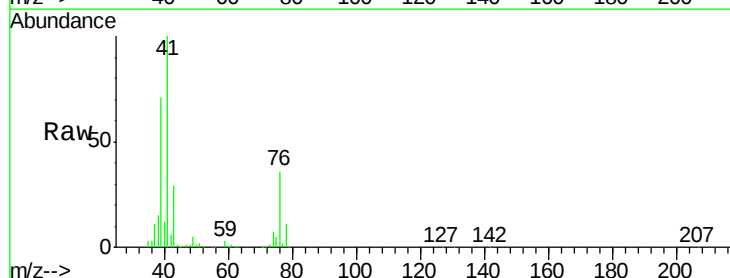
Tgt Ion: 41 Resp: 720481

Ion Ratio Lower Upper

41 100

39 66.3 52.2 78.4

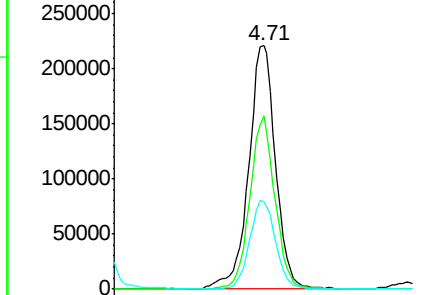
76 34.3 28.1 42.1



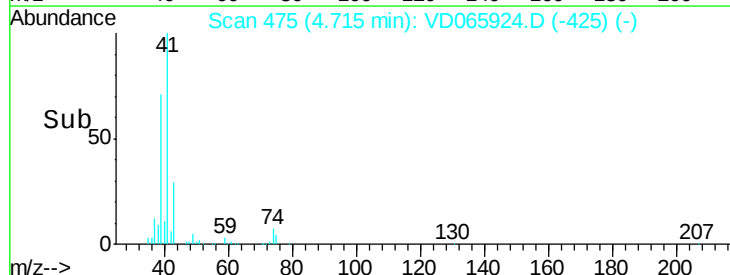
Abundance Ion 41.00 (40.70 to 41.70): VDC

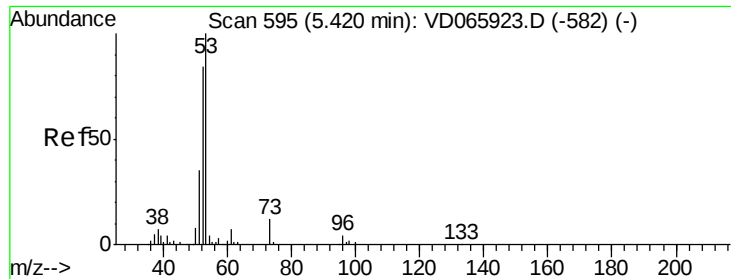
Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC



Time-->





#15

Acrylonitrile

Concen: 517.227 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD065924.D

Acq: 07 Jul 2020 15:28

Instrument :

MSVOA_D

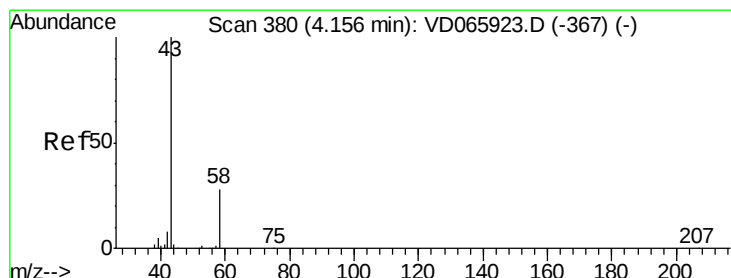
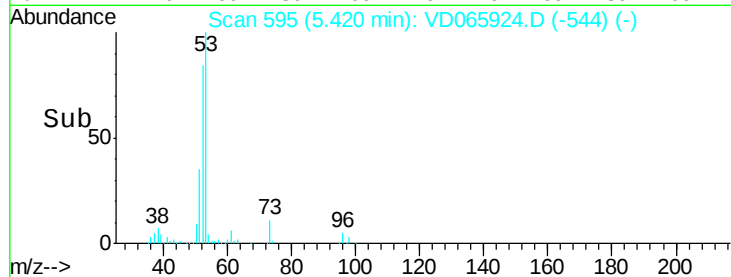
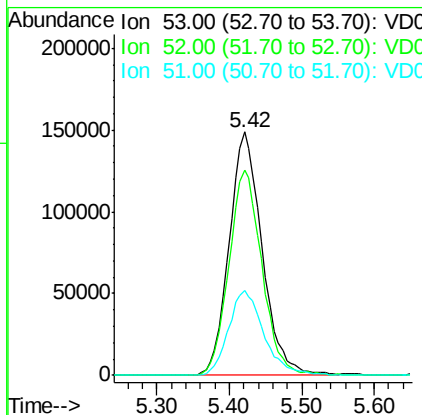
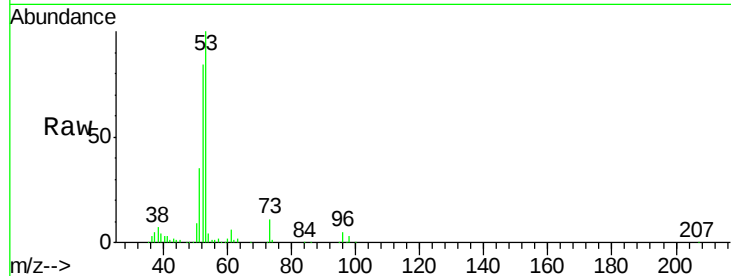
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	469164
Ion	Ratio	Lower	Upper
53	100		
52	84.9	66.3	99.5
51	37.5	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 505.424 ug/l

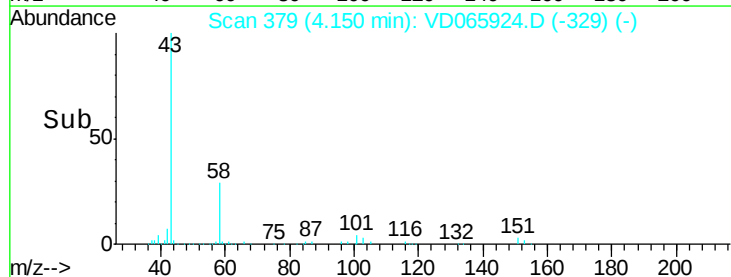
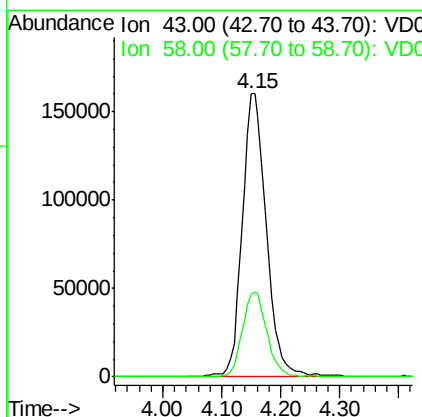
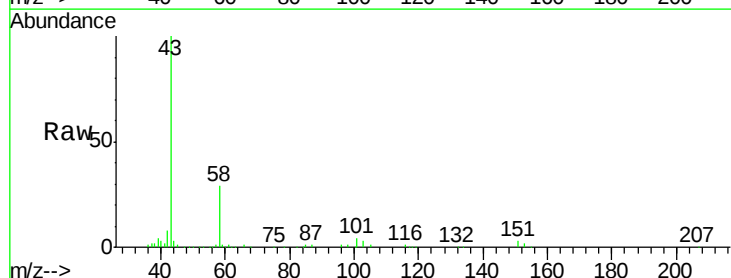
RT: 4.15 min Scan# 379

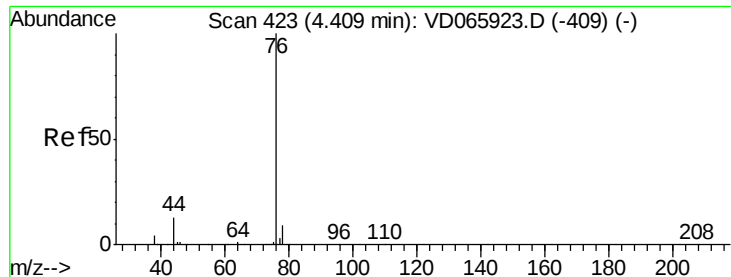
Delta R.T. -0.01 min

Lab File: VD065924.D

Acq: 07 Jul 2020 15:28

Tgt Ion:	43	Resp:	457090
Ion	Ratio	Lower	Upper
43	100		
58	29.0	22.7	34.1





#17

Carbon Disulfide

Concen: 96.702 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD065924.D

Acq: 07 Jul 2020 15:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 1300253

Ion Ratio Lower Upper

76 100

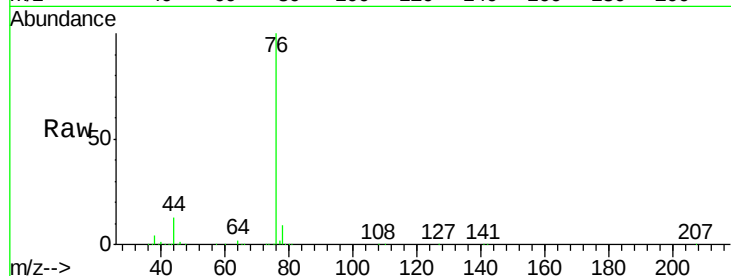
78 9.1 7.5 11.3

Manual Integrations

APPROVED

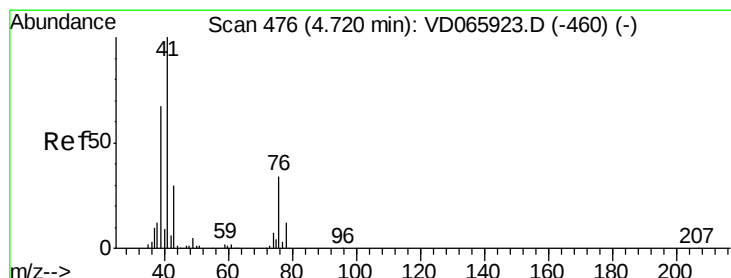
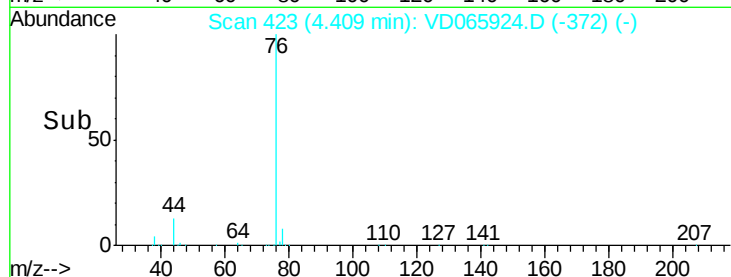
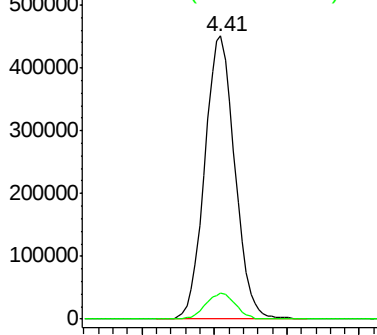
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 94.444 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD065924.D

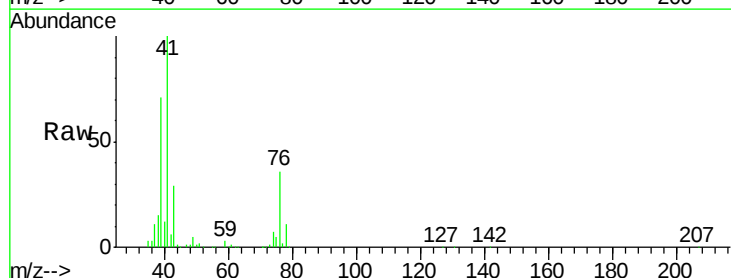
Acq: 07 Jul 2020 15:28

Tgt Ion: 43 Resp: 200214

Ion Ratio Lower Upper

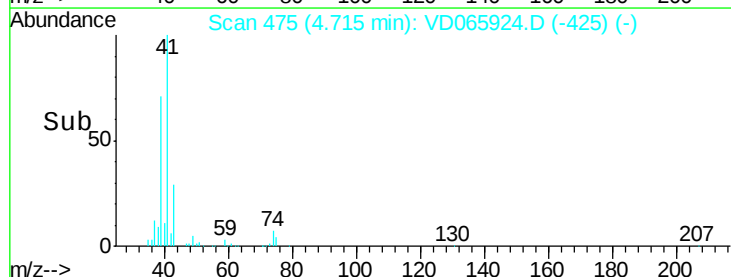
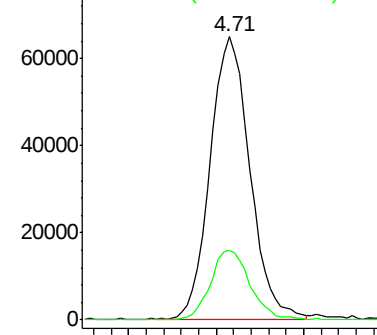
43 100

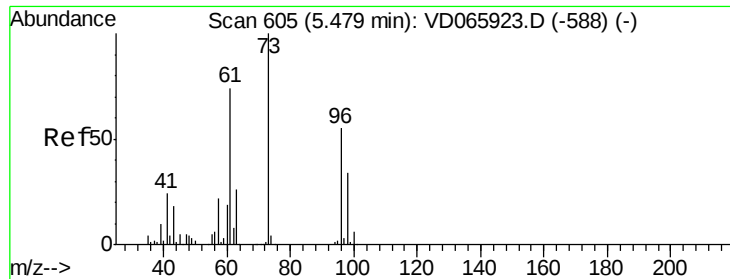
74 24.7 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





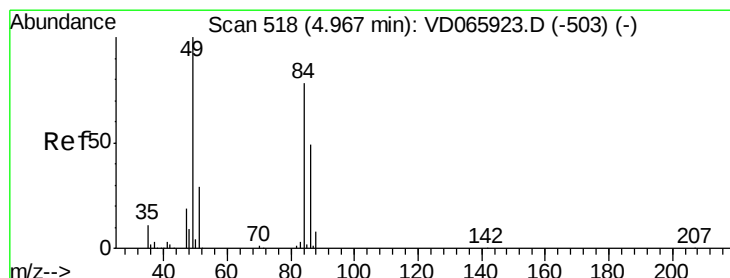
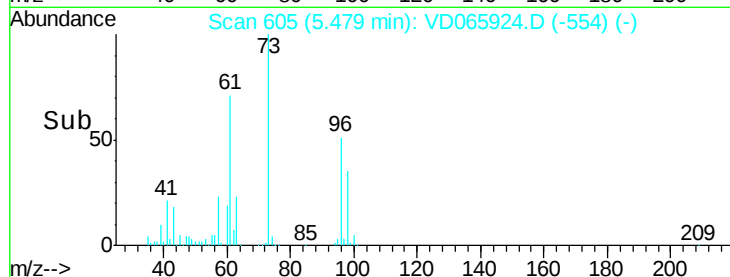
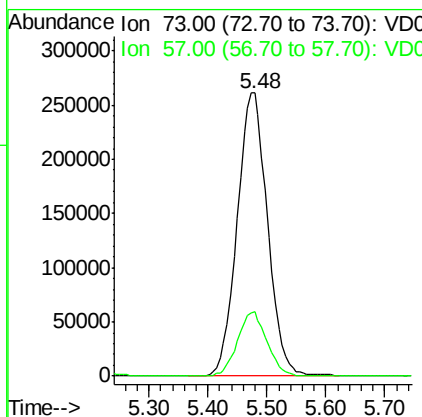
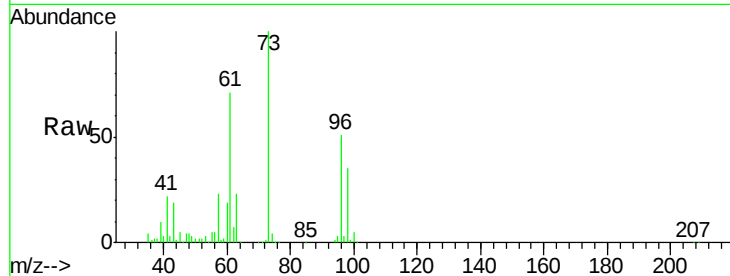
#19
Methvl tert-butvl Ether
Concen: 104.978 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD065924.D
Acq: 07 Jul 2020 15:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 937882
Ion Ratio Lower Upper
73 100
57 22.9 17.7 26.5

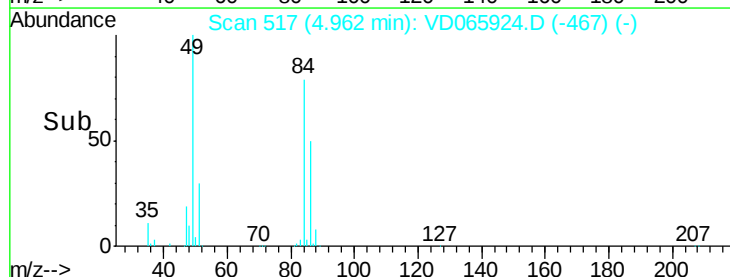
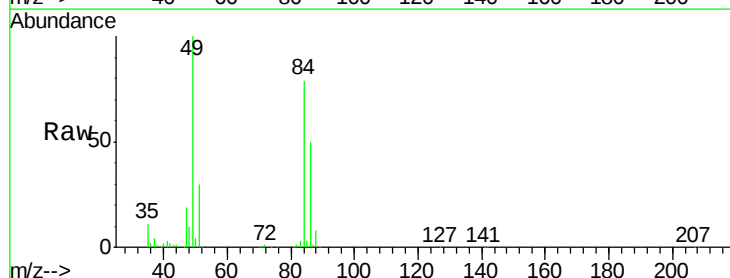
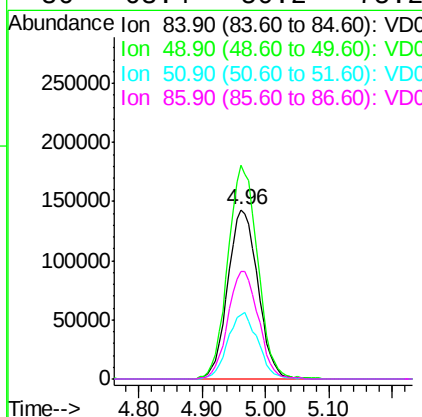
Manual Integrations
APPROVED

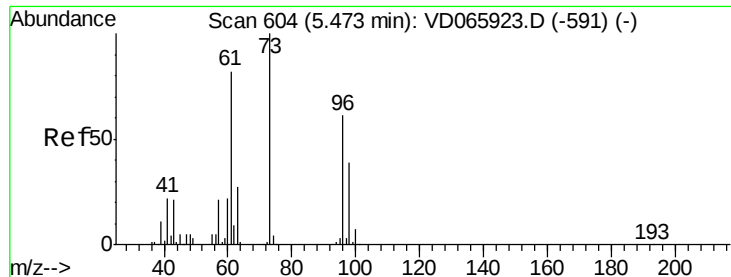
MMDadoda
7/8/2020 12:05:30 PM



#20
Methylene Chloride
Concen: 73.561 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065924.D
Acq: 07 Jul 2020 15:28

Tgt Ion: 84 Resp: 472580
Ion Ratio Lower Upper
84 100
49 126.2 102.2 153.2
51 37.8 29.8 44.6
86 63.4 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 97.185 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065924.D

Acq: 07 Jul 2020 15:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 461421

Ion Ratio Lower Upper

96 100

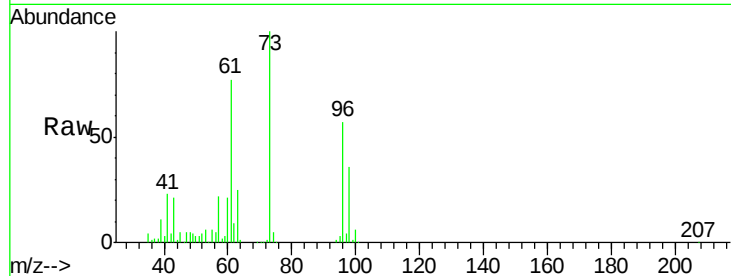
61 135.6 106.6 160.0

98 63.6 51.0 76.6

Manual Integrations
APPROVED

MMDadoda

7/8/2020 12:05:30 PM

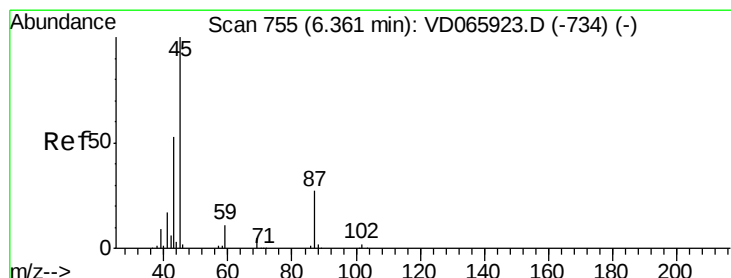
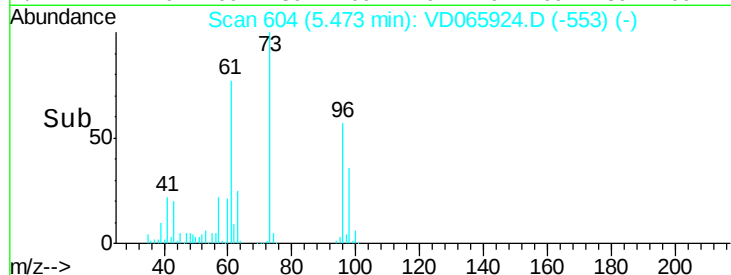
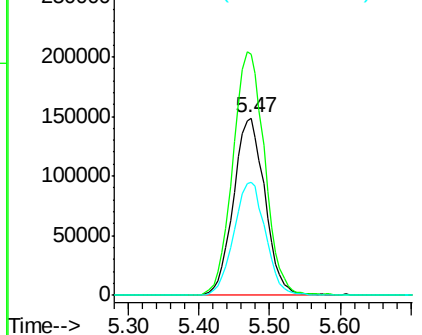


Abundance

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



#22

Diisopropyl ether

Concen: 100.483 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD065924.D

Acq: 07 Jul 2020 15:28

Tgt Ion: 45 Resp: 1350416

Ion Ratio Lower Upper

45 100

43 54.7 42.5 63.7

87 26.8 22.2 33.2

59 11.2 8.9 13.3

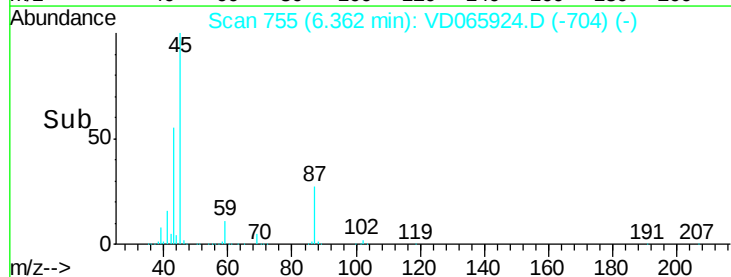
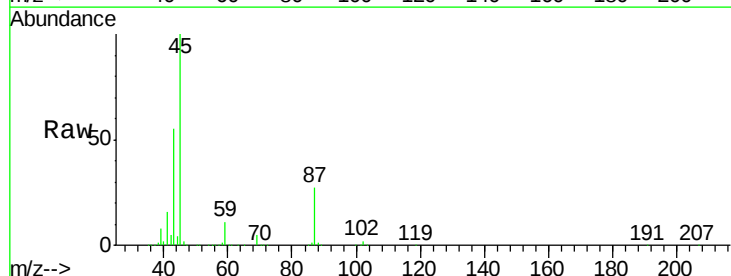
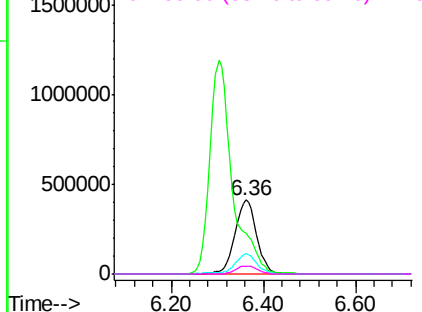
Abundance

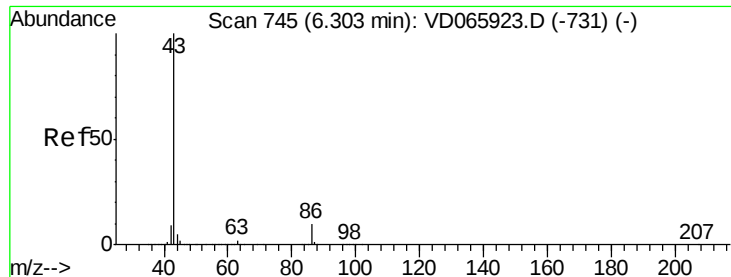
Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 527.946 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD065924.D

Acq: 07 Jul 2020 15:28

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC100

Tot Ion: 43 Resp: 4049915

Ion Ratio Lower Upper

43 100

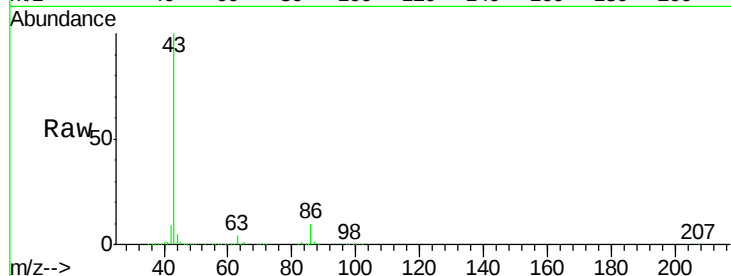
86 10.3 8.1 12.1

Manual Integrations

APPROVED

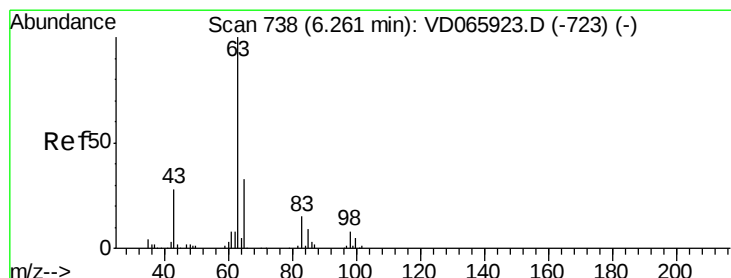
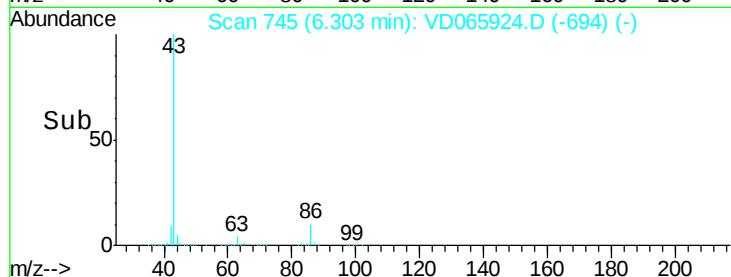
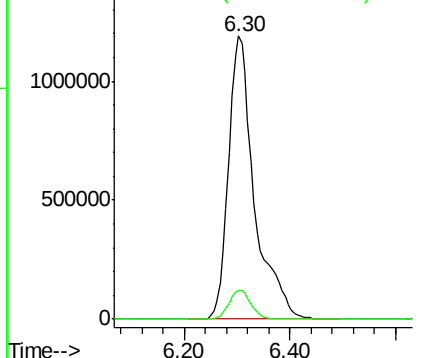
MMDadoda

7/8/2020 12:05:30 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 99.009 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD065924.D

Acq: 07 Jul 2020 15:28

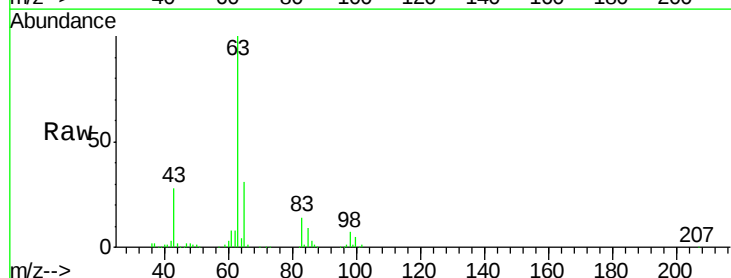
Tgt Ion: 63 Resp: 793425

Ion Ratio Lower Upper

63 100

98 7.5 3.8 11.4

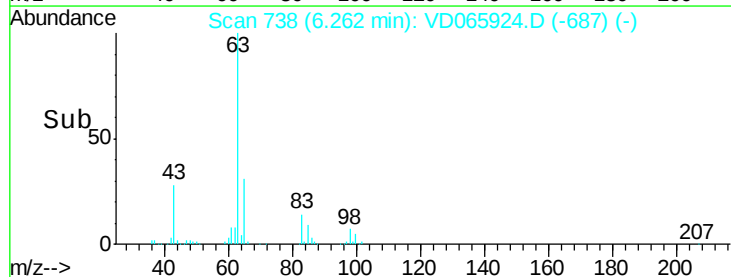
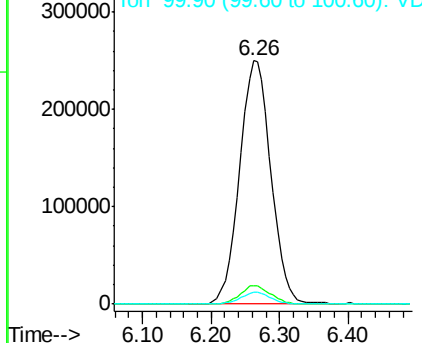
100 5.1 2.5 7.5

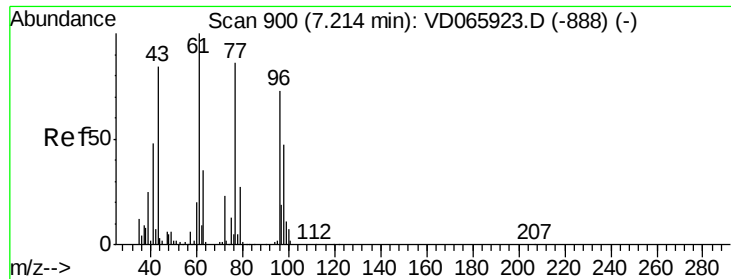


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 514.103 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065924.D

Acq: 07 Jul 2020 15:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 614372

Ion Ratio Lower Upper

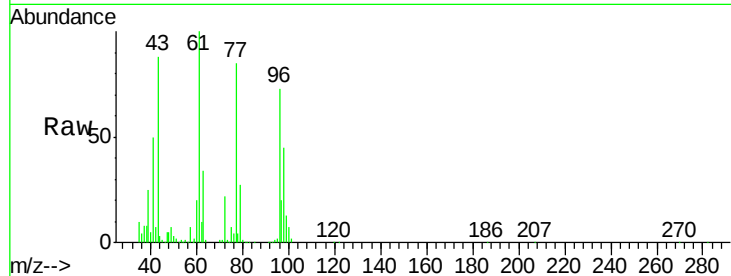
43 100

72 24.7 22.1 33.1

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.21

250000

200000

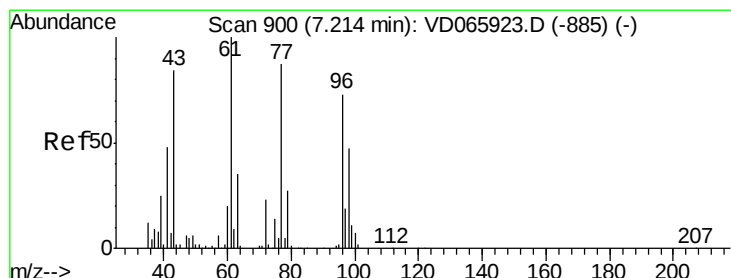
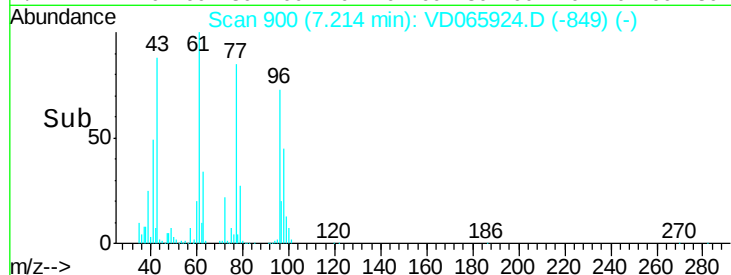
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 97.328 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065924.D

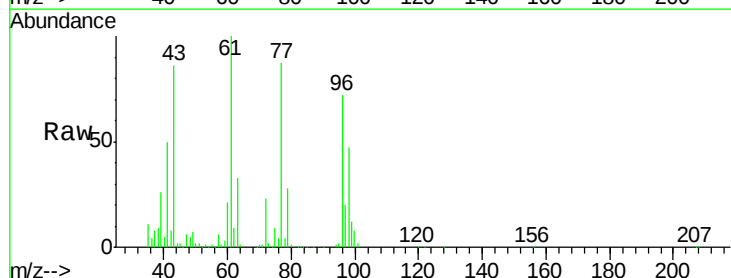
Acq: 07 Jul 2020 15:28

Tgt Ion: 77 Resp: 682322

Ion Ratio Lower Upper

77 100

97 22.8 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

7.21

250000

200000

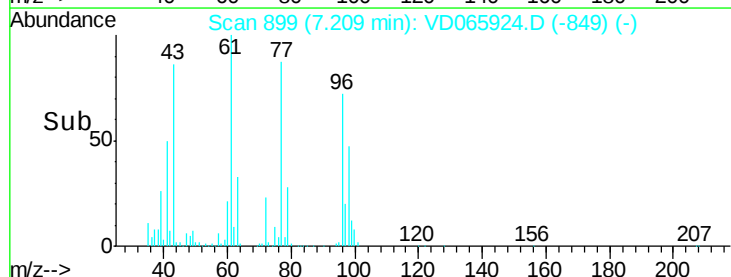
150000

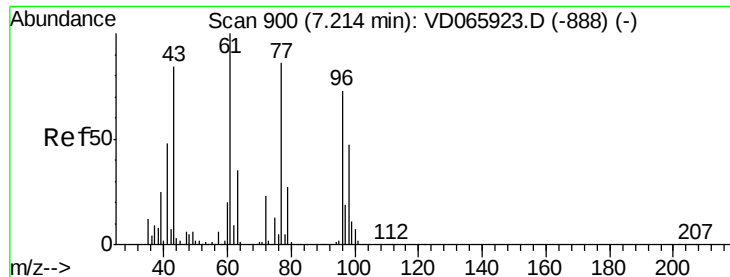
100000

50000

0

Time-->





#27

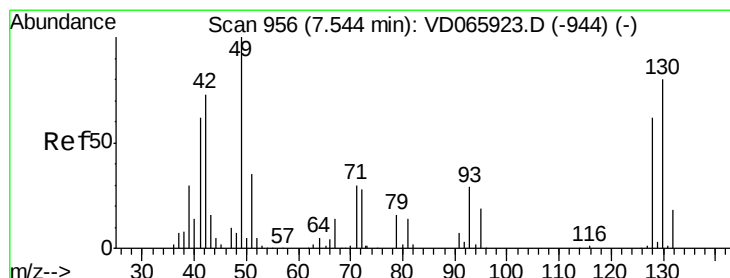
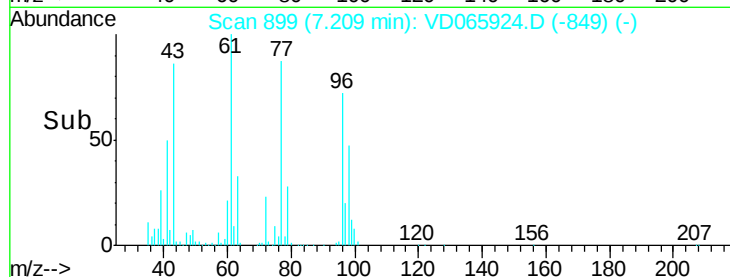
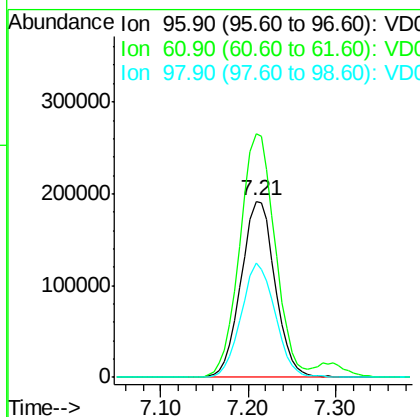
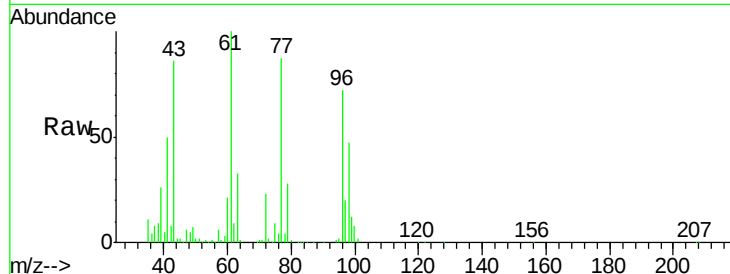
cis-1,2-Dichloroethene
Concen: 99.626 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065924.D
Acq: 07 Jul 2020 15:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	508229		
61	142.3		0.0	286.6
98	64.7		0.0	128.2

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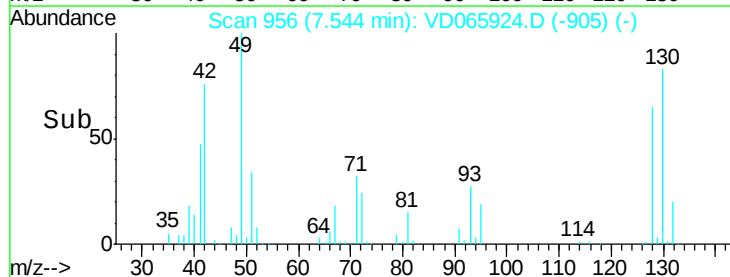
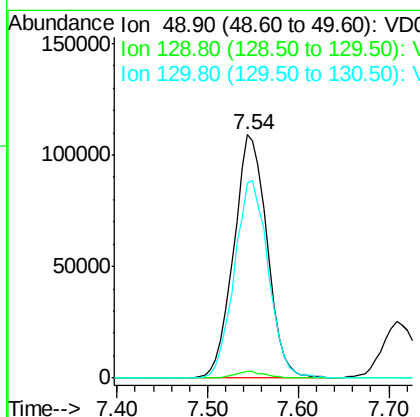
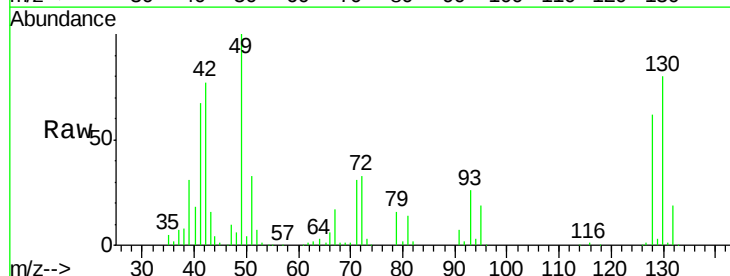
MMDadoda
7/8/2020 12:05:30 PM

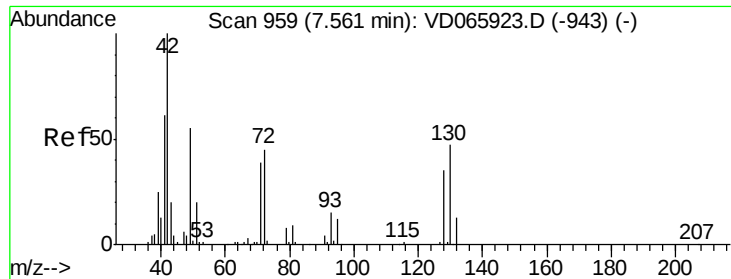


#28

Bromochloromethane
Concen: 92.241 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.00 min
Lab File: VD065924.D
Acq: 07 Jul 2020 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	279238		
129	2.5		0.0	4.8
130	82.5		65.8	98.8





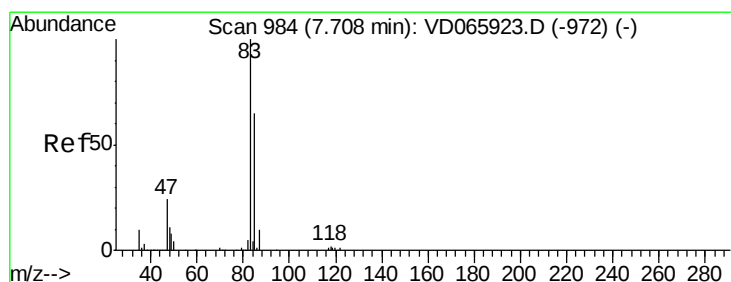
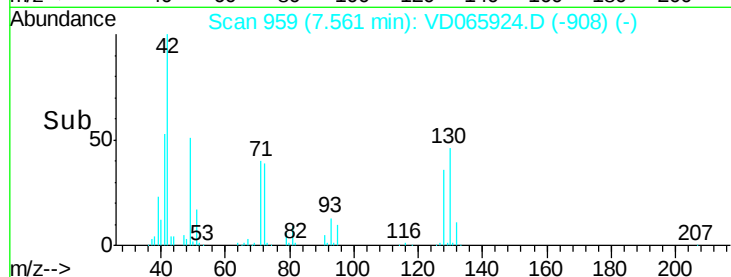
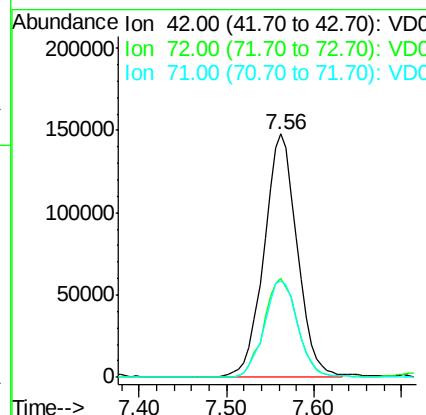
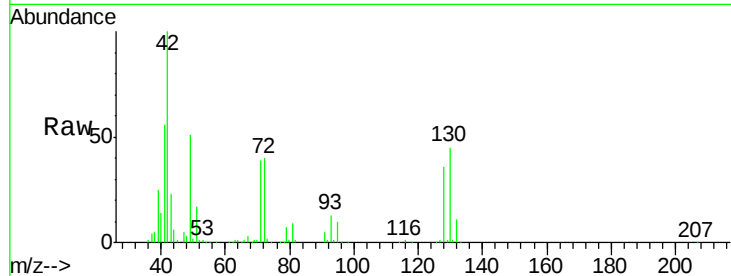
#29
Tetrahydrofuran
Concen: 509.502 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD065924.D
Acq: 07 Jul 2020 15:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.3	32.8	49.2
71	40.2	31.0	46.4

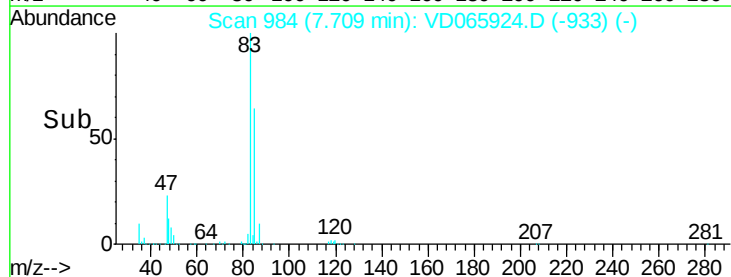
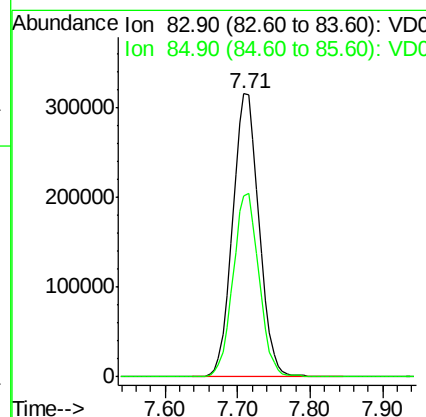
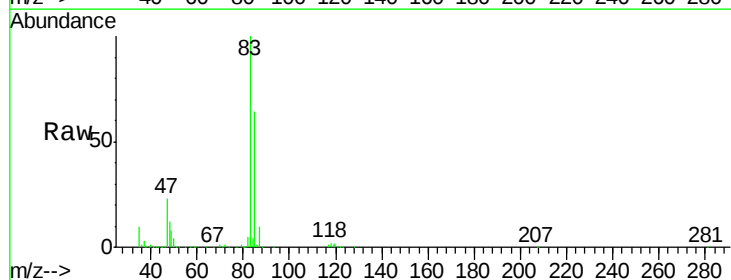
Manual Integrations
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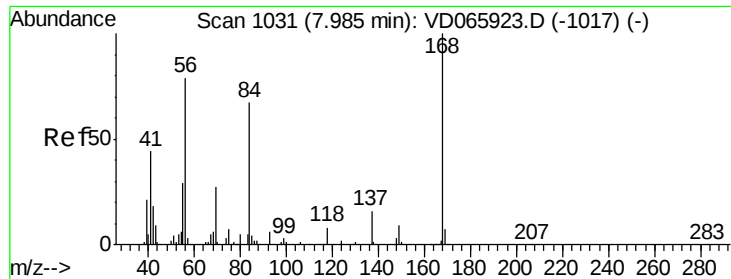
MMDadoda
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#30
Chloroform
Concen: 98.576 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD065924.D
Acq: 07 Jul 2020 15:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.6	77.4





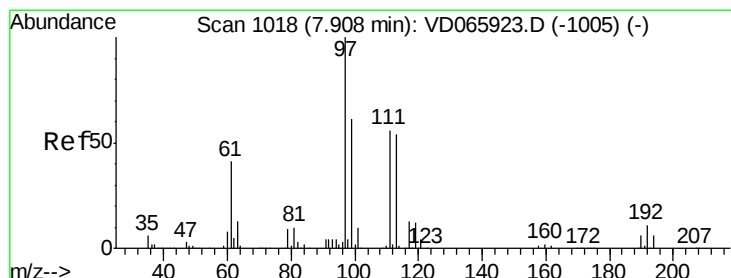
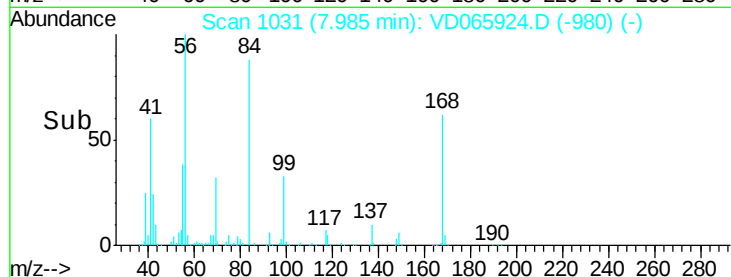
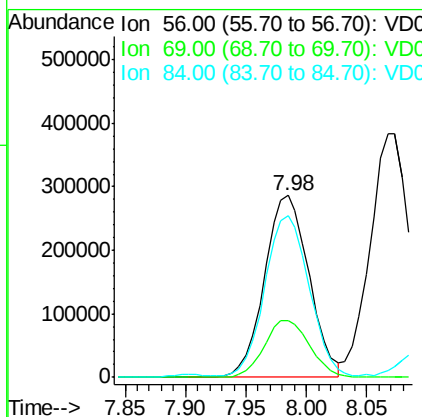
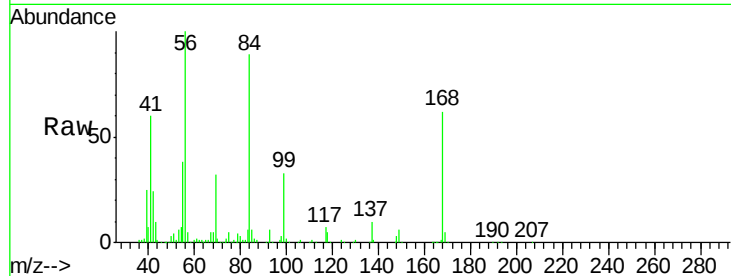
#31
Cyclohexane
Concen: 92.734 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065924.D
Acq: 07 Jul 2020 15:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.5	27.4	41.0
84	87.6	68.6	102.8

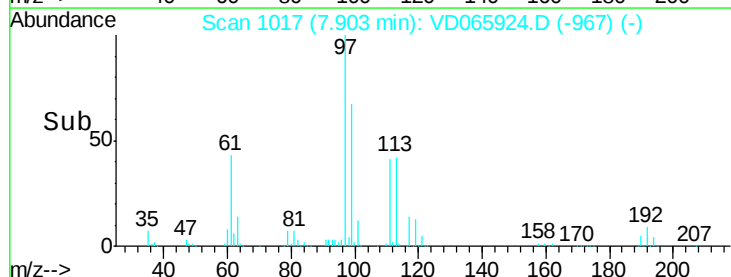
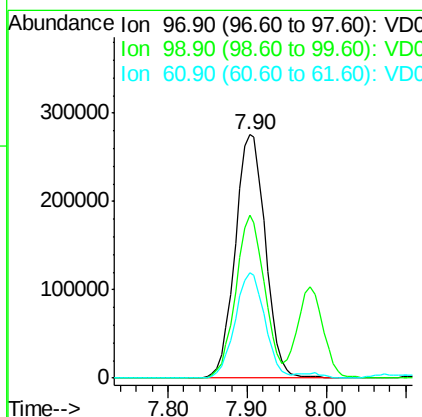
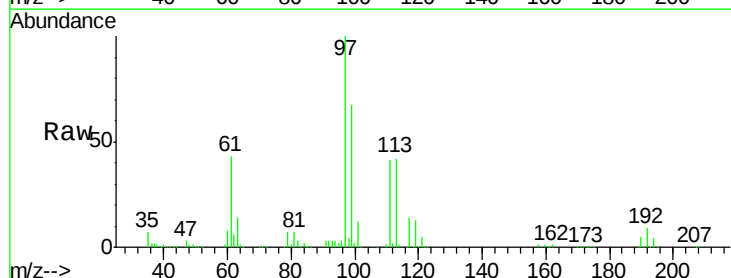
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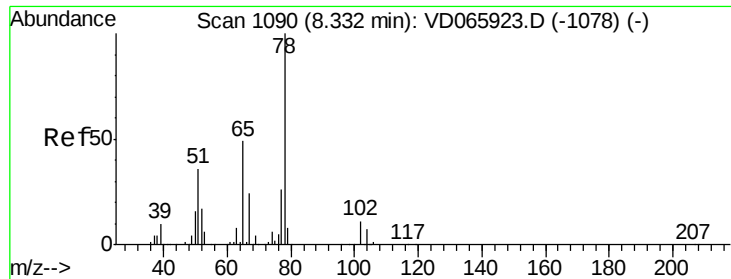
MMDadoda
7/8/2020 12:05:30 PM



#32
1,1,1-Trichloroethane
Concen: 98.316 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065924.D
Acq: 07 Jul 2020 15:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.6	77.4
61	42.6	33.6	50.4





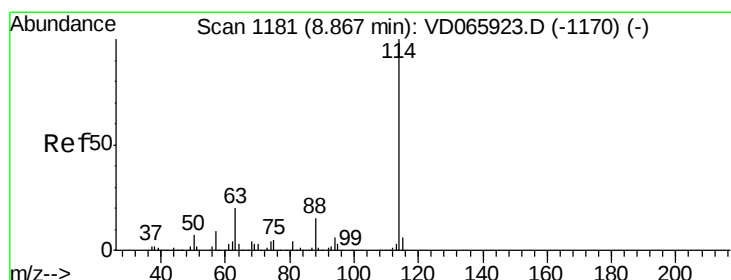
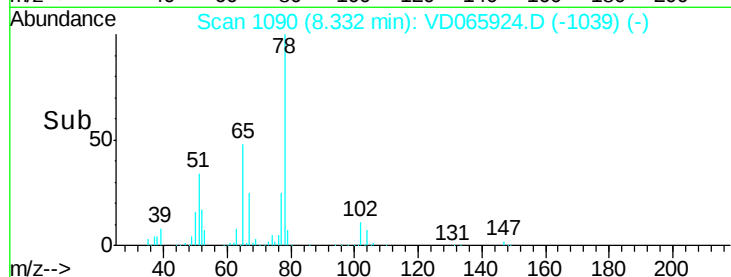
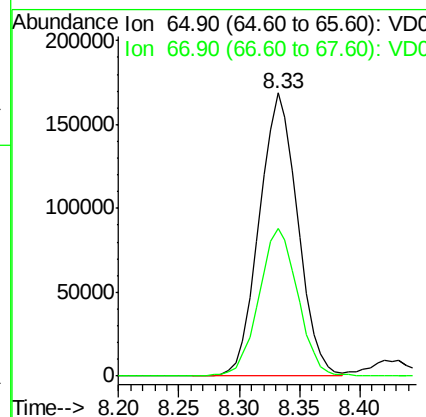
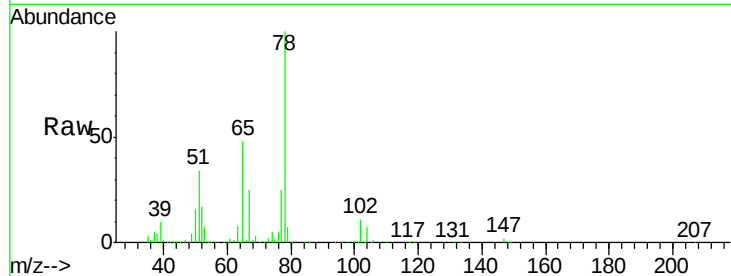
#33
 1,2-Dichloroethane-d4
 Concen: 96.406 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD065924.D
 Acq: 07 Jul 2020 15:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	372021		
67	53.0	0.0	105.6	

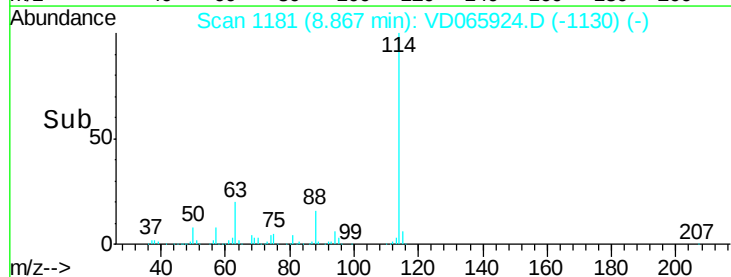
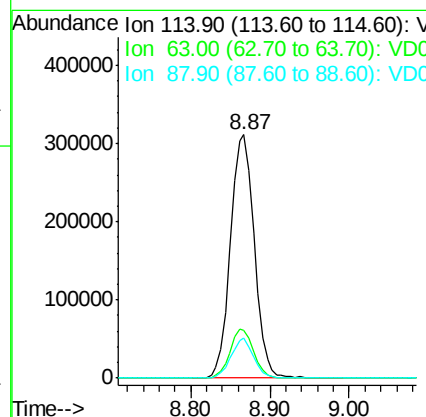
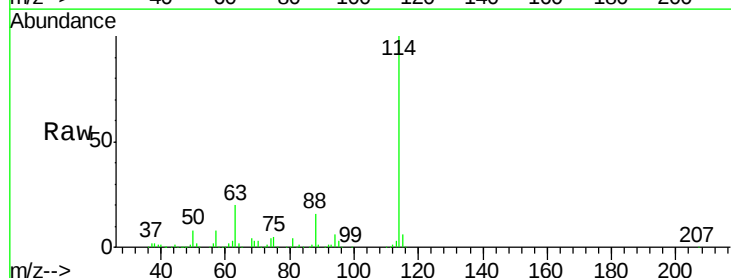
Manual Integrations
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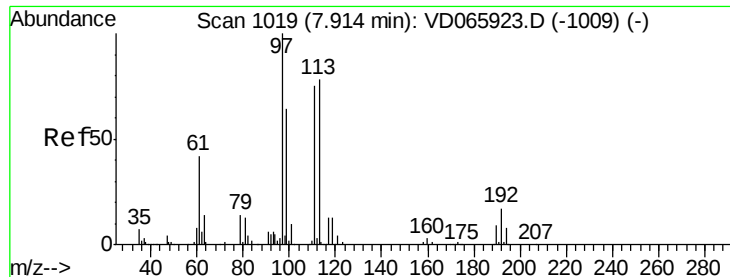
MMDadoda
 7/8/2020 12:05:30 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065924.D
 Acq: 07 Jul 2020 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	648766		
63	19.8	0.0	39.2	
88	16.3	0.0	30.0	





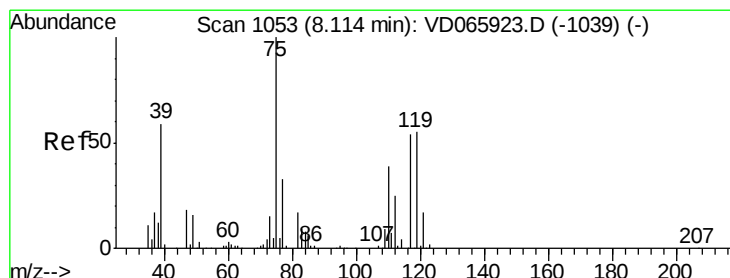
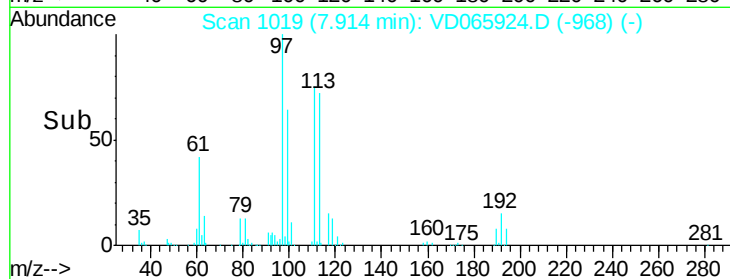
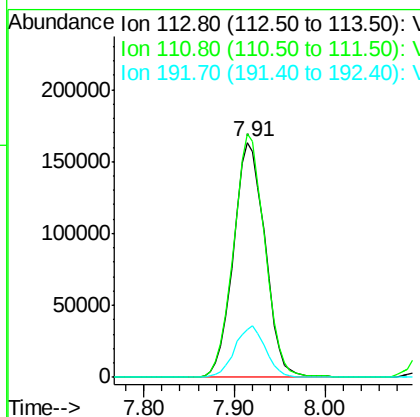
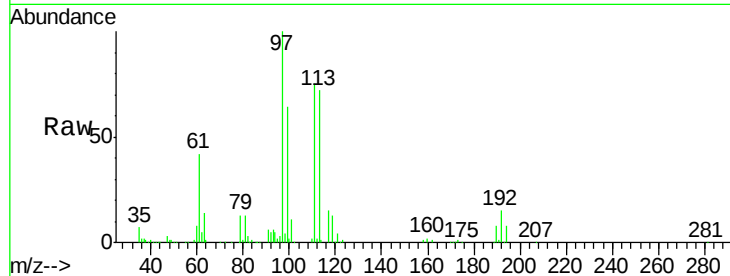
#35
 Dibromofluoromethane
 Concen: 98.874 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD065924.D
 Acq: 07 Jul 2020 15:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	395711		
111	102.6	80.9	121.3	
192	21.5	17.1	25.7	

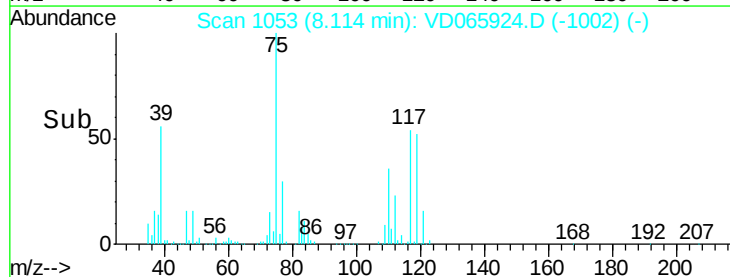
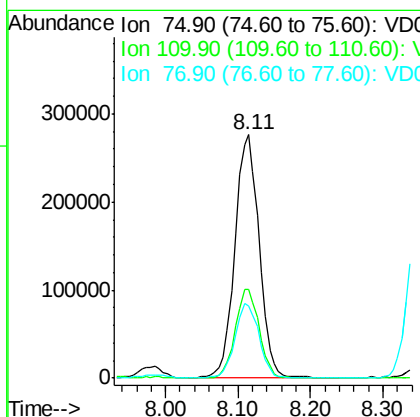
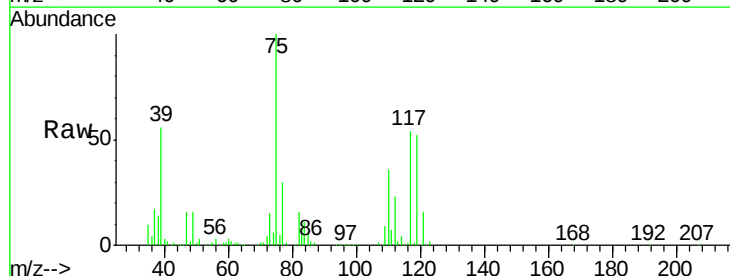
Manual Integrations
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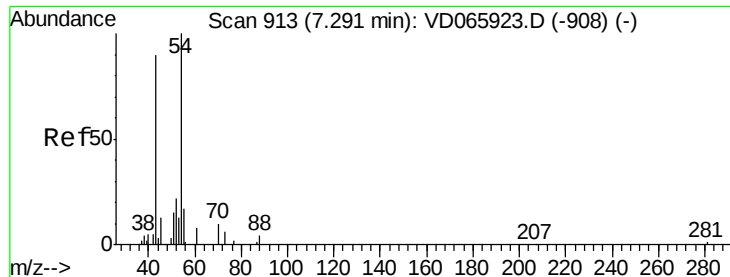
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#36
 1,1-Dichloropropene
 Concen: 100.182 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065924.D
 Acq: 07 Jul 2020 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	641914		
110	36.0	18.5	55.5	
77	30.6	25.6	38.4	





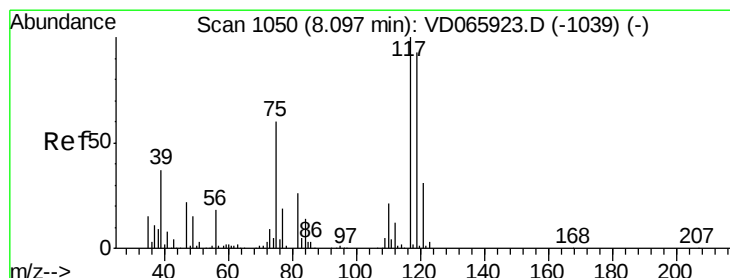
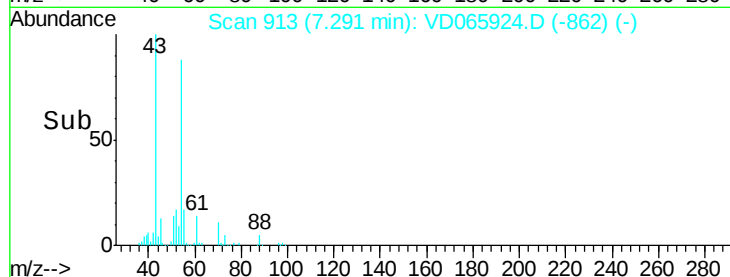
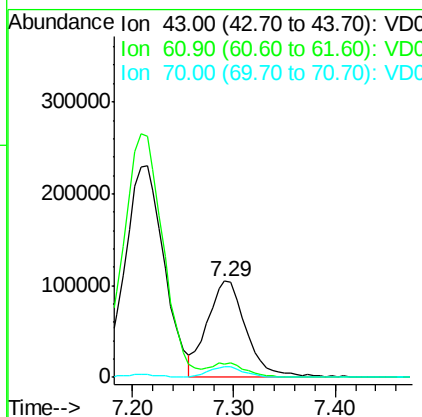
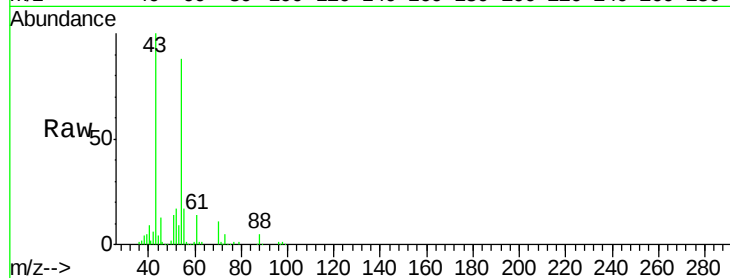
#37
Ethyl Acetate
Concen: 102.905 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD065924.D
Acq: 07 Jul 2020 15:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	9.4	14.0
70	10.6	8.3	12.5

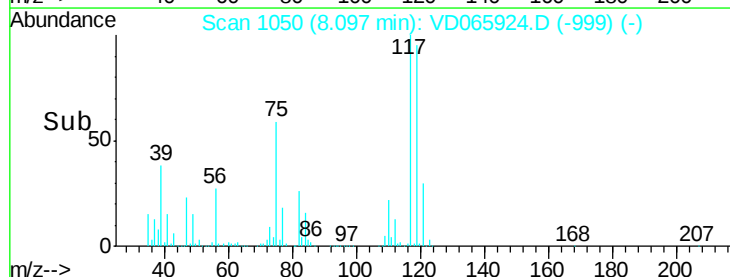
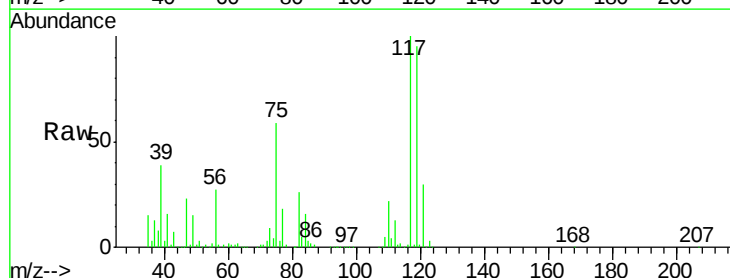
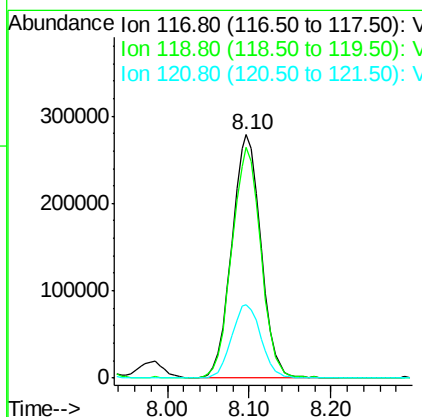
Manual Integrations
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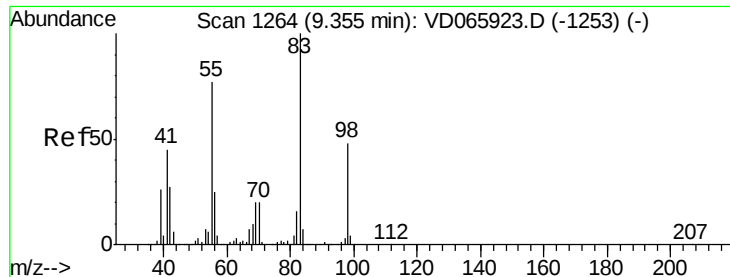
MMDadoda
7/8/2020 12:05:30 PM



#38
Carbon Tetrachloride
Concen: 99.915 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065924.D
Acq: 07 Jul 2020 15:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	74.7	112.1
121	30.2	24.9	37.3





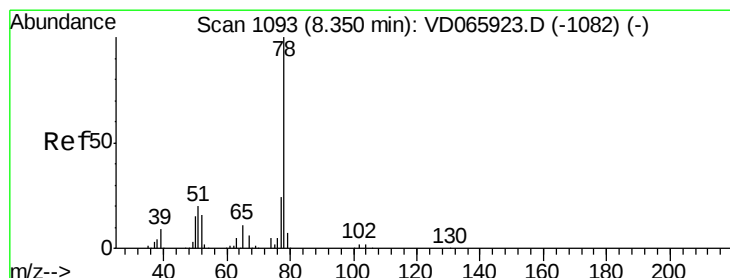
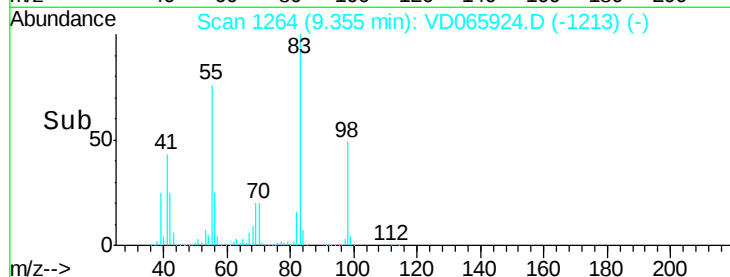
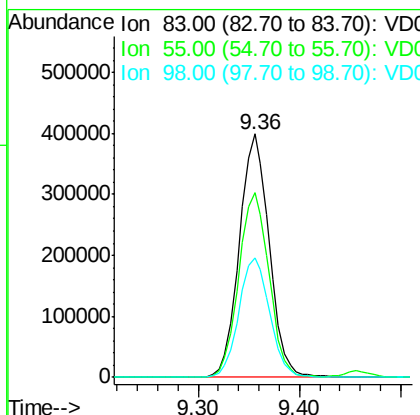
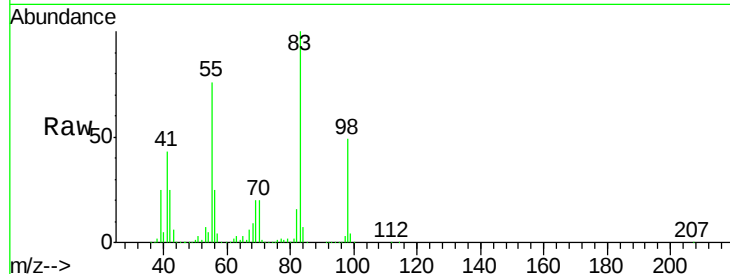
#39
Methvlcvclohexane
Concen: 103.436 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065924.D
Acq: 07 Jul 2020 15:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	83	Resp	813688
Ion Ratio	100	Lower	Upper
83	100		
55	75.7	61.7	92.5
98	49.3	38.6	58.0

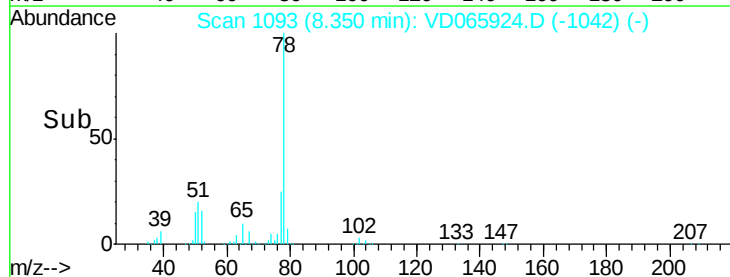
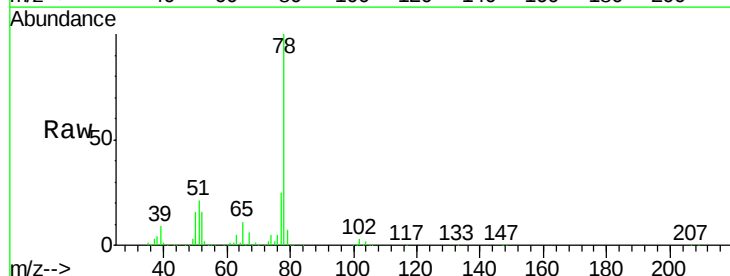
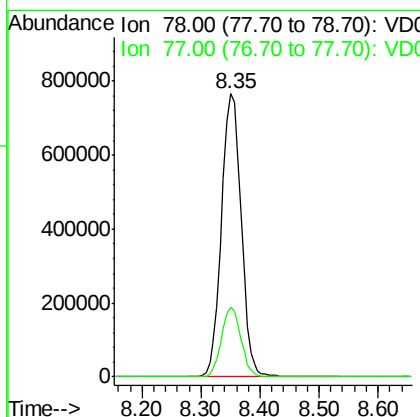
Manual Integrations
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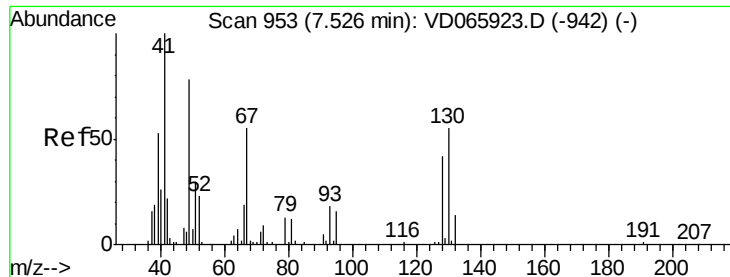
MMDadoda
7/8/2020 12:05:30 PM



#40
Benzene
Concen: 101.038 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD065924.D
Acq: 07 Jul 2020 15:28

Tgt Ion	78	Resp	1788523
Ion Ratio	100	Lower	Upper
78	100		
77	24.6	19.4	29.0





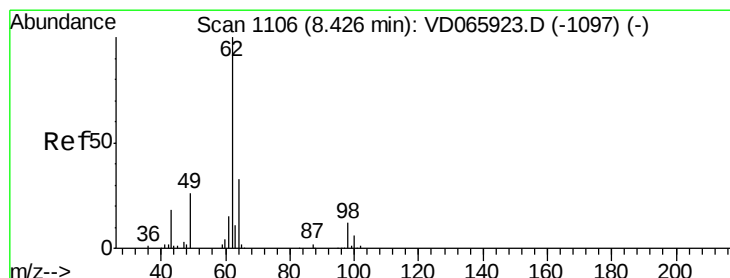
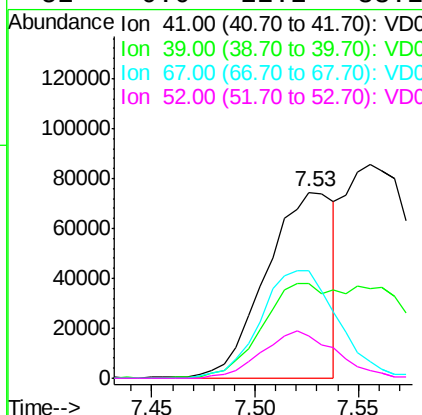
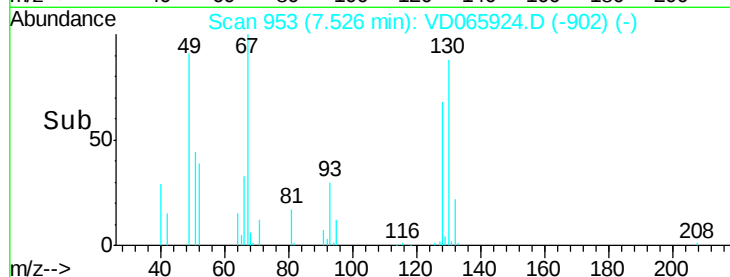
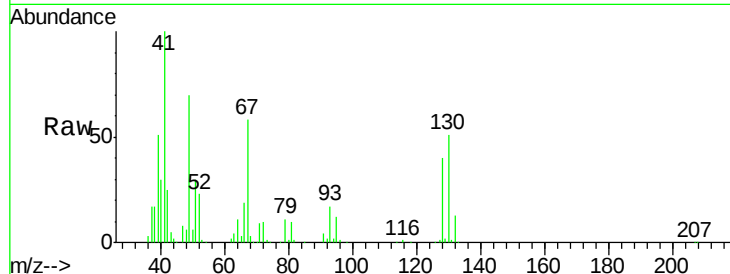
#41
Methacrylonitrile
Concen: 107.040 ug/l m
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD065924.D
Acq: 07 Jul 2020 15:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	42.4	63.6#
67	0.0	53.6	80.4#
52	0.0	22.2	33.2#

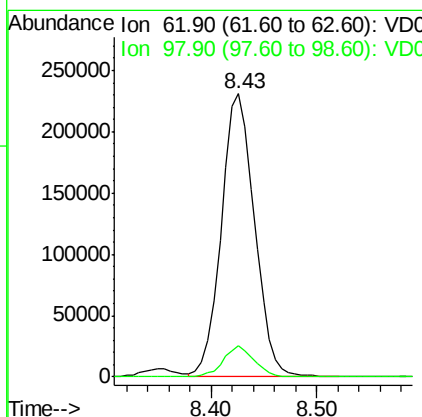
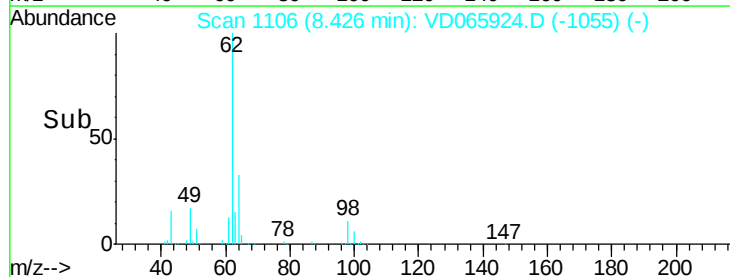
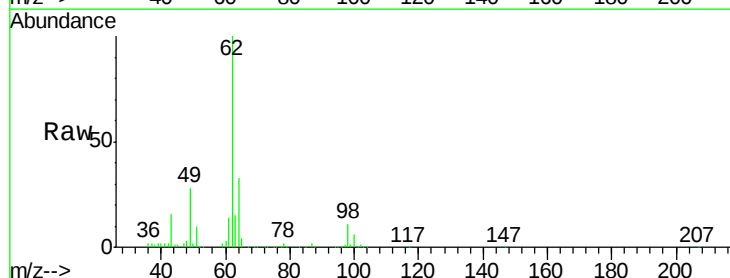
Manual Integrations
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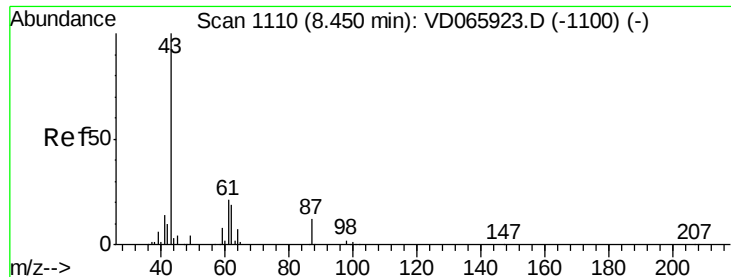
MMDadoda
7/8/2020 12:05:30 PM



#42
1,2-Dichloroethane
Concen: 99.792 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD065924.D
Acq: 07 Jul 2020 15:28

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.0





#43

Isopropyl Acetate

Concen: 106.923 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD065924.D

Acq: 07 Jul 2020 15:28

Instrument :

MSVOA_D

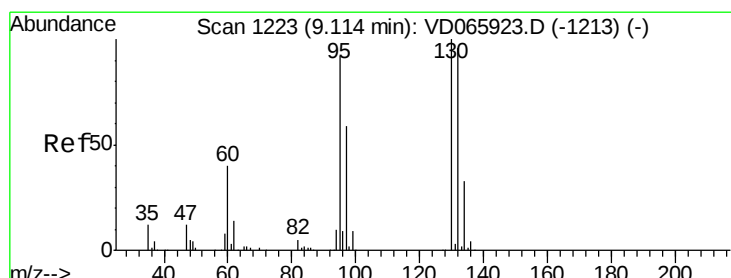
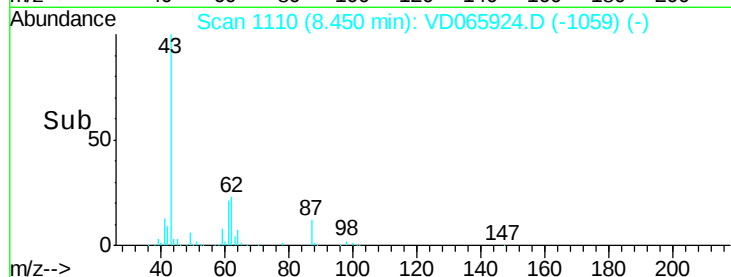
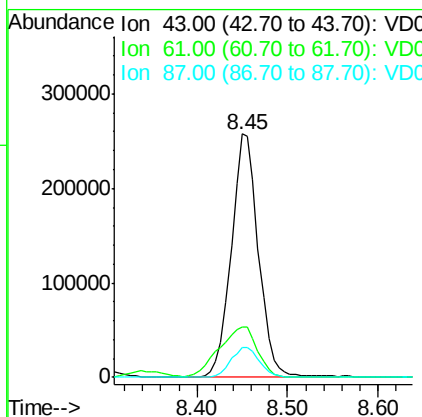
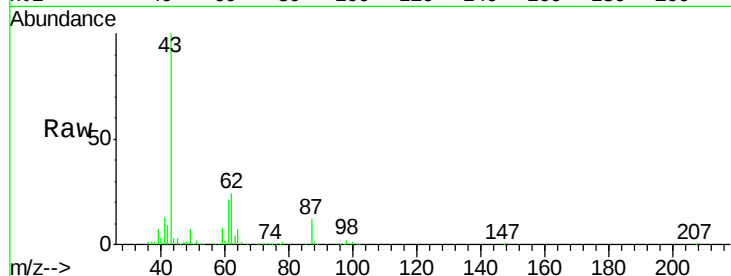
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	534322
Ion	Ratio	Lower	Upper
43	100		
61	29.1	23.2	34.8
87	13.0	10.0	15.0

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#44

Trichloroethene

Concen: 99.772 ug/l

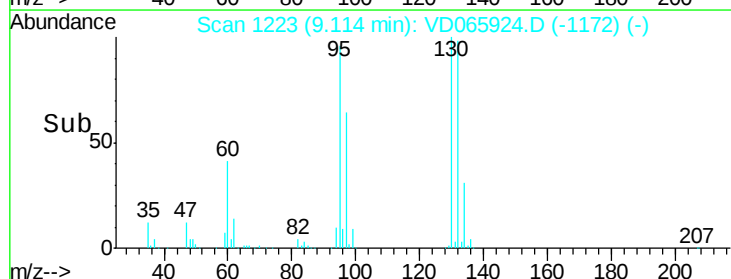
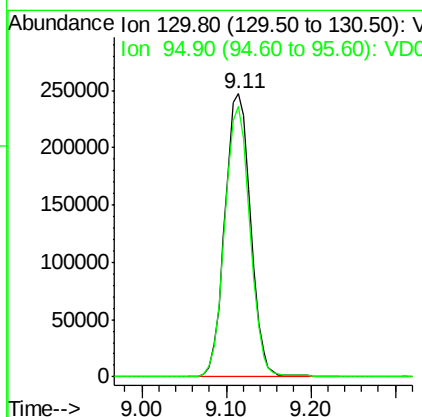
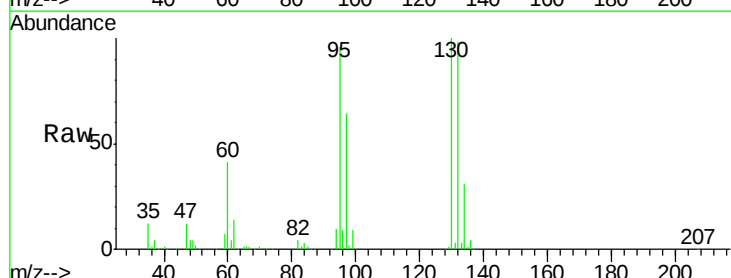
RT: 9.11 min Scan# 1223

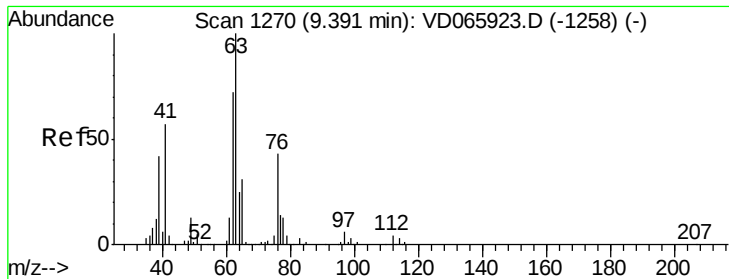
Delta R.T. 0.00 min

Lab File: VD065924.D

Acq: 07 Jul 2020 15:28

Tgt Ion:	130	Resp:	518918
Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	184.6





#45

1,2-Dichloropropane

Concen: 100.938 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065924.D

Acq: 07 Jul 2020 15:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 443470

Ion Ratio Lower Upper

63 100

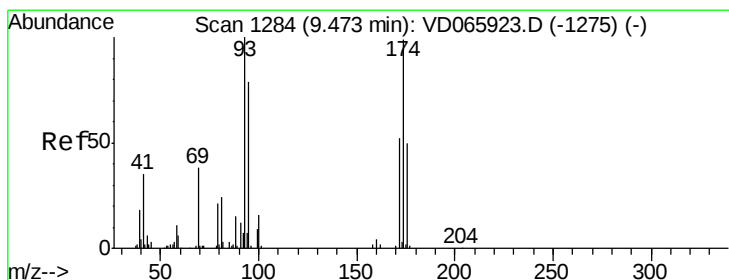
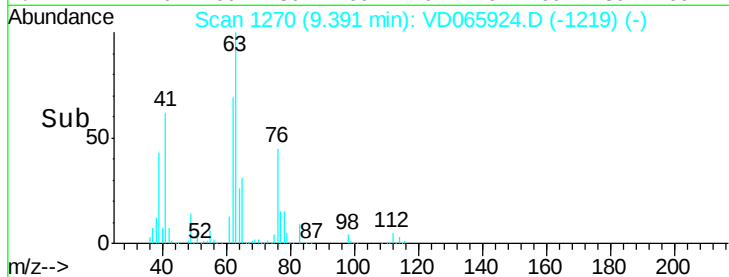
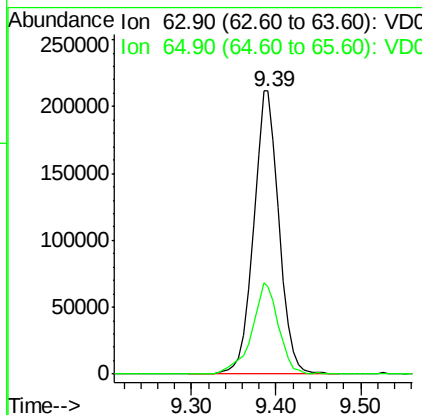
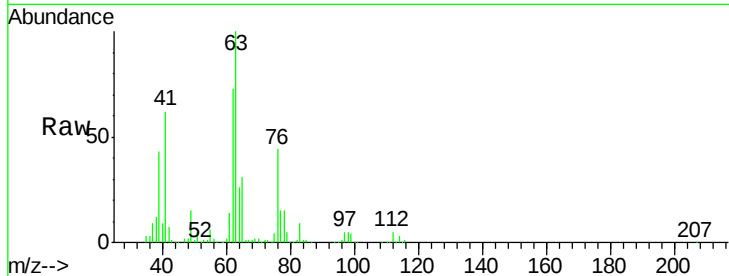
65 31.0 25.0 37.6

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#46

Dibromomethane

Concen: 101.493 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD065924.D

Acq: 07 Jul 2020 15:28

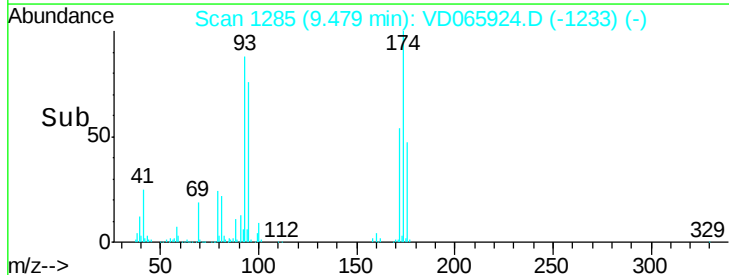
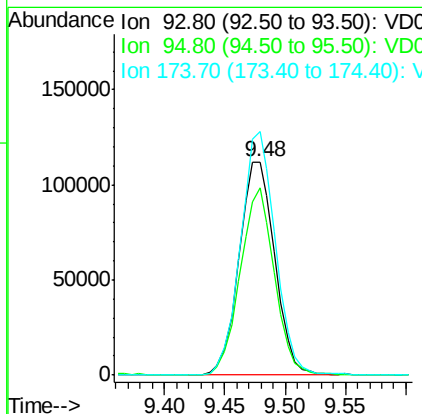
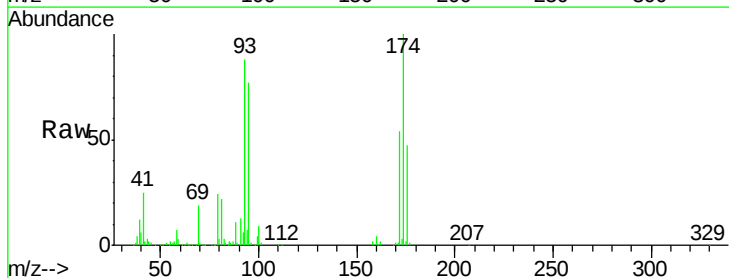
Tgt Ion: 93 Resp: 232150

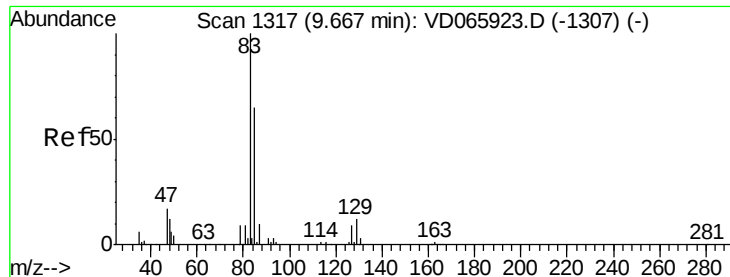
Ion Ratio Lower Upper

93 100

95 83.8 68.2 102.2

174 111.4 88.0 132.0





#47

Bromodichloromethane

Concen: 101.507 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065924.D

Acq: 07 Jul 2020 15:28

Instrument :

MSVOA_D

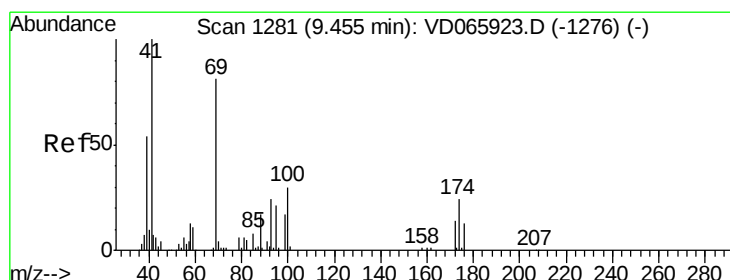
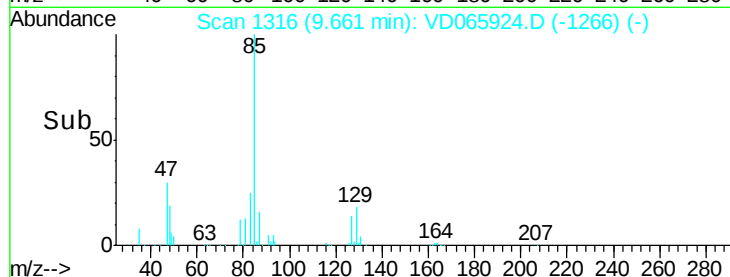
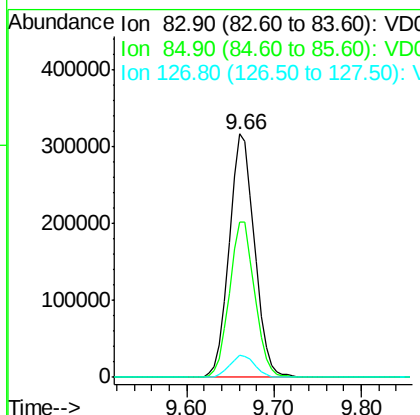
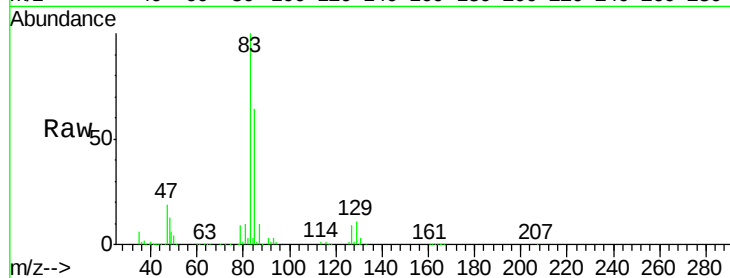
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	622815
Ion Ratio	Lower	Upper	
83	100		
85	63.7	51.6	77.4
127	9.2	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 109.299 ug/l

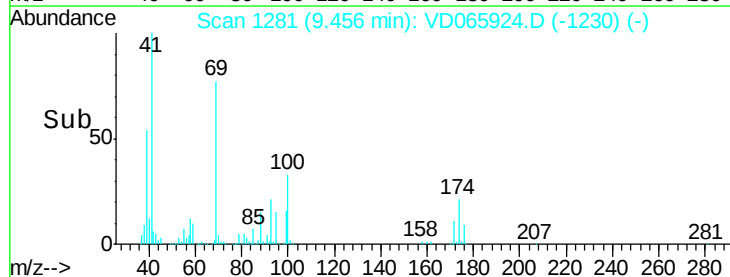
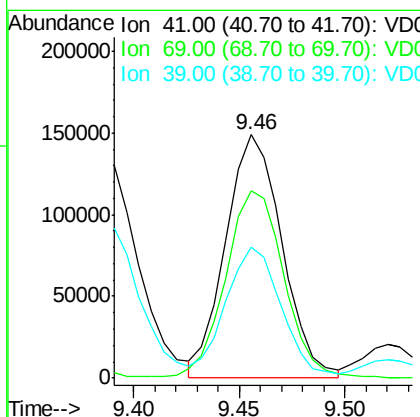
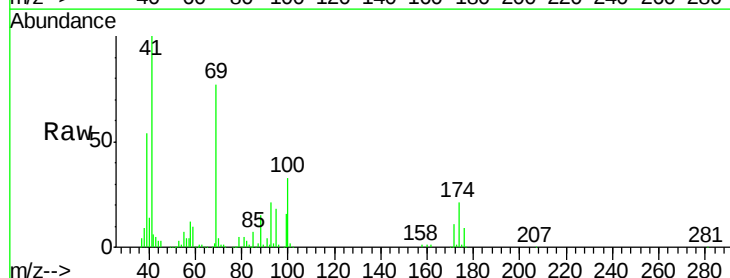
RT: 9.46 min Scan# 1281

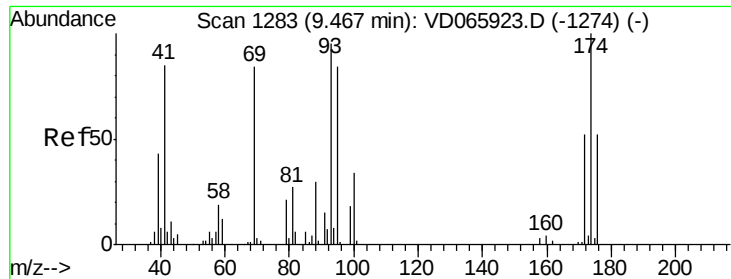
Delta R.T. 0.00 min

Lab File: VD065924.D

Acq: 07 Jul 2020 15:28

Tgt Ion:	41	Resp:	274967
Ion Ratio	Lower	Upper	
41	100		
69	79.4	62.2	93.4
39	49.2	39.9	59.9





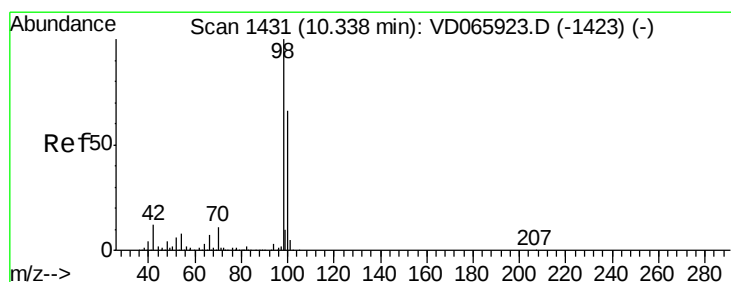
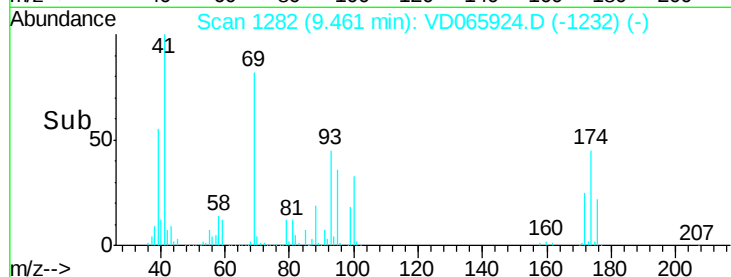
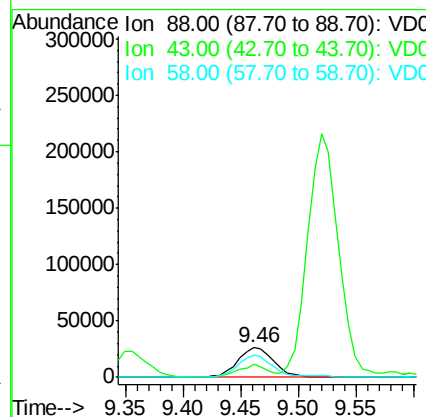
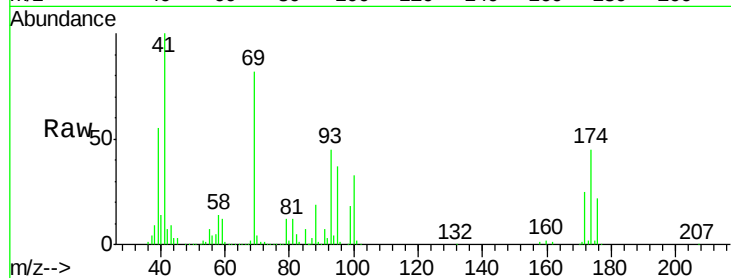
#49
1,4-Dioxane
Concen: 2110.548 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065924.D
Acq: 07 Jul 2020 15:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.5	28.2	42.4
58	74.4	58.6	87.8

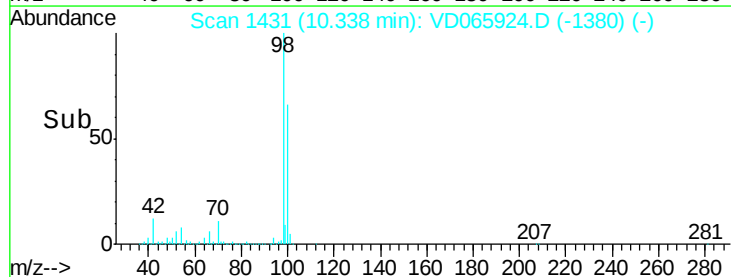
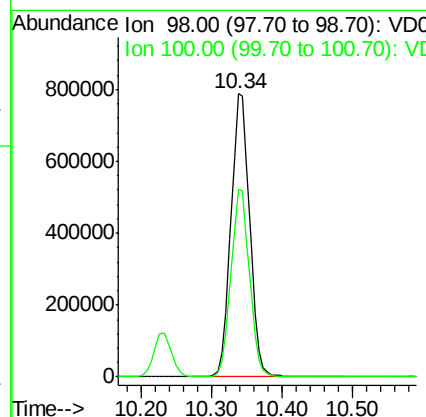
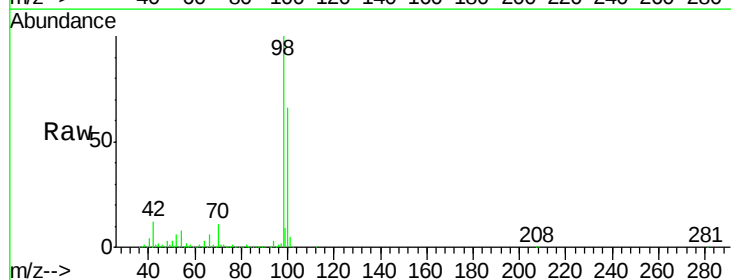
Manual Integrations
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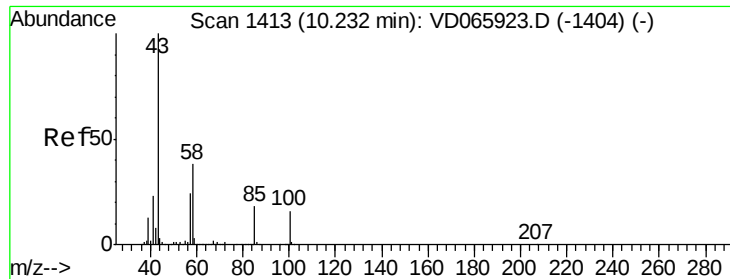
MMDadoda
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#50
Toluene-d8
Concen: 99.421 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD065924.D
Acq: 07 Jul 2020 15:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 528.973 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD065924.D

Acq: 07 Jul 2020 15:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1336430

Ion Ratio Lower Upper

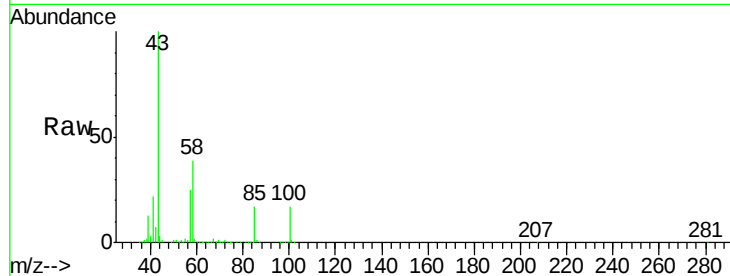
43 100

58 38.6 30.5 45.7

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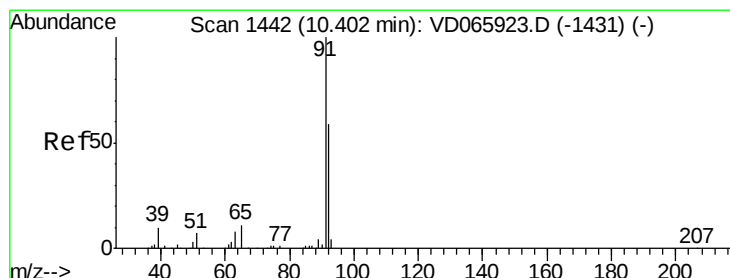
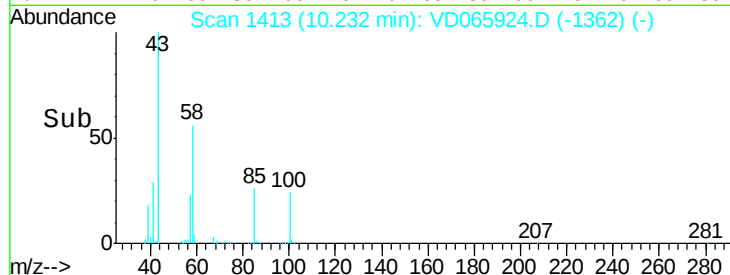
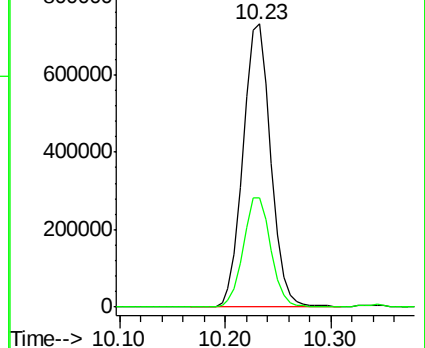
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 101.754 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD065924.D

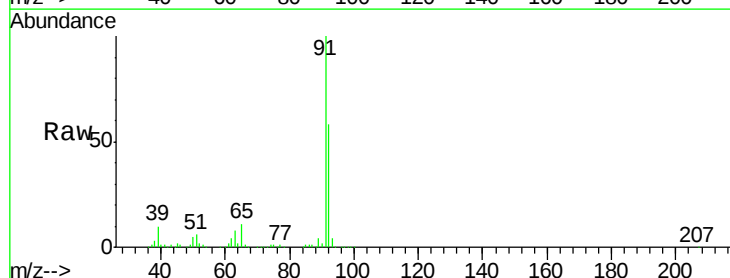
Acq: 07 Jul 2020 15:28

Tgt Ion: 92 Resp: 1145918

Ion Ratio Lower Upper

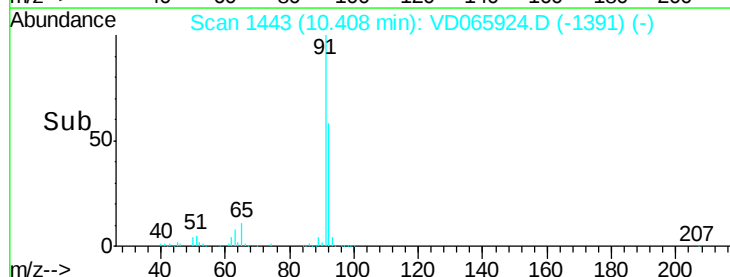
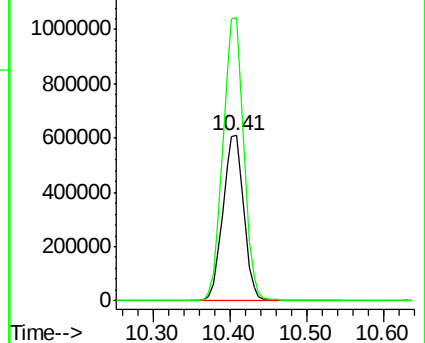
92 100

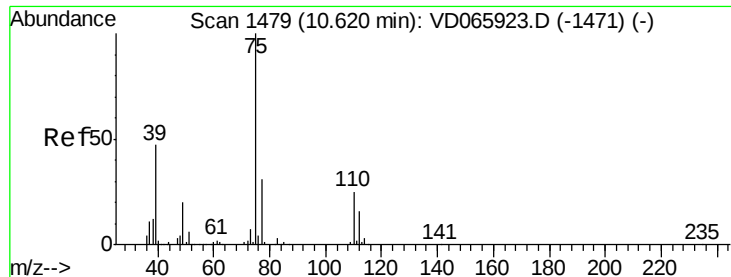
91 170.9 136.0 204.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





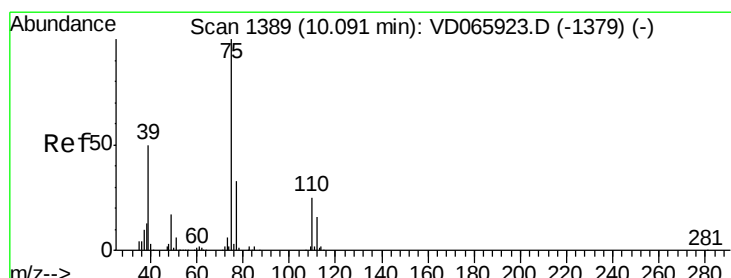
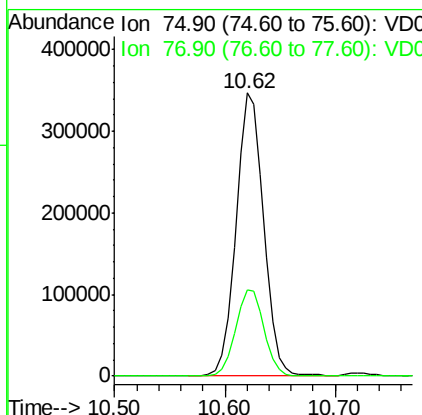
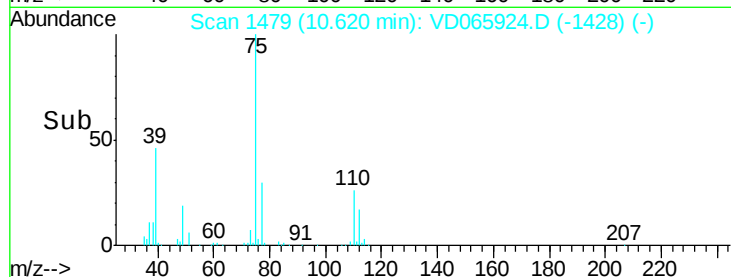
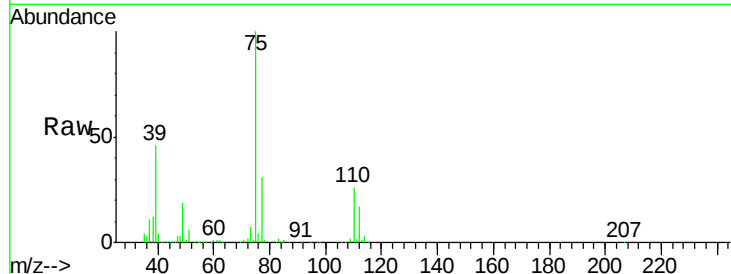
#53
 t-1,3-Dichloropropene
 Concen: 105.343 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD065924.D
 Acq: 07 Jul 2020 15:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 75 Resp: 607745
 Ion Ratio Lower Upper
 75 100
 77 30.5 25.1 37.7

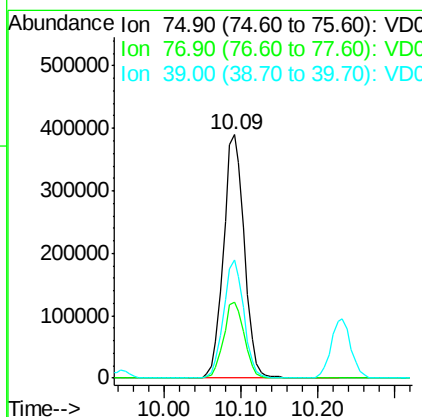
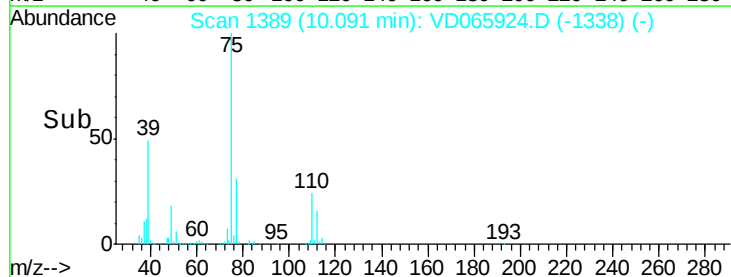
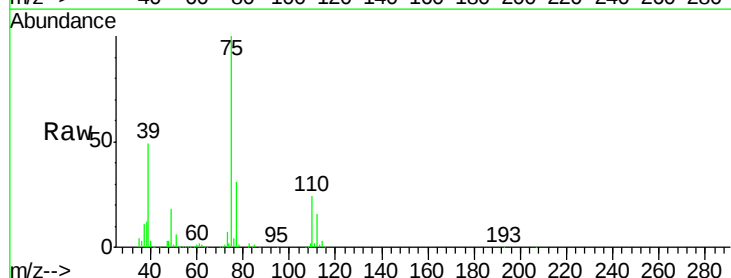
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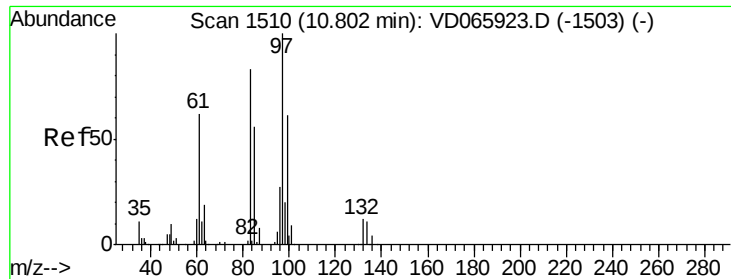
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 7/8/2020 12:05:30 PM



#54
 cis-1,3-Dichloropropene
 Concen: 105.051 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD065924.D
 Acq: 07 Jul 2020 15:28

Tgt Ion: 75 Resp: 732333
 Ion Ratio Lower Upper
 75 100
 77 31.4 26.6 39.8
 39 48.5 39.6 59.4





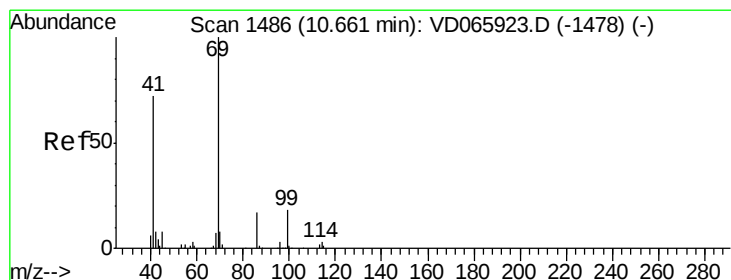
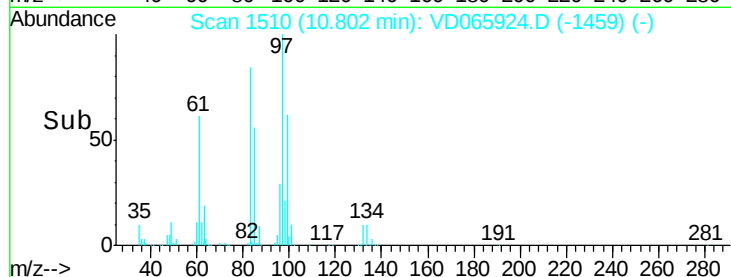
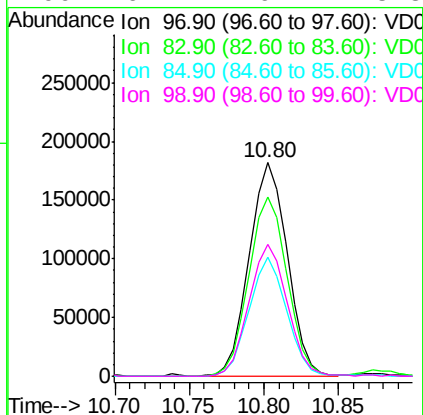
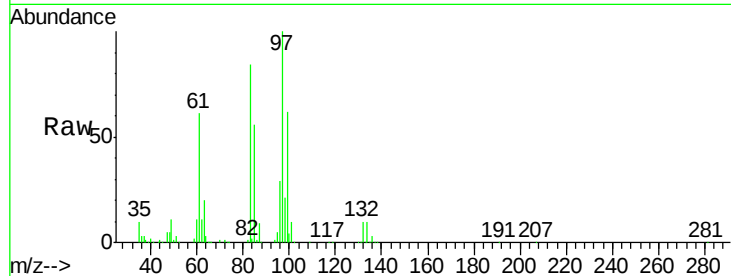
#55
 1,1,2-Trichloroethane
 Concen: 102.379 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD065924.D
 Acq: 07 Jul 2020 15:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	322649
Ion	Ratio	Lower	Upper
97	100		
83	83.6	66.9	100.3
85	56.0	44.5	66.7
99	61.7	49.2	73.8

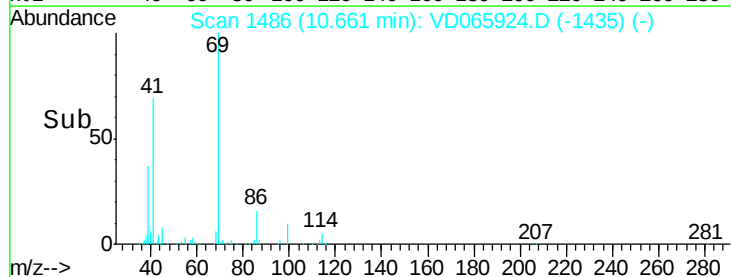
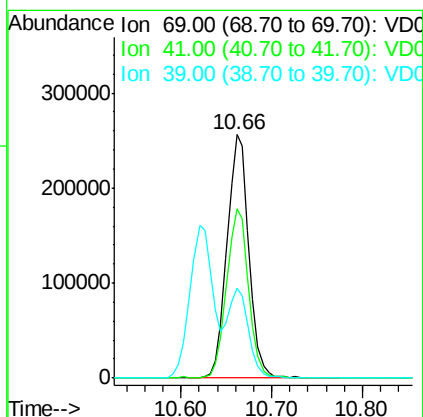
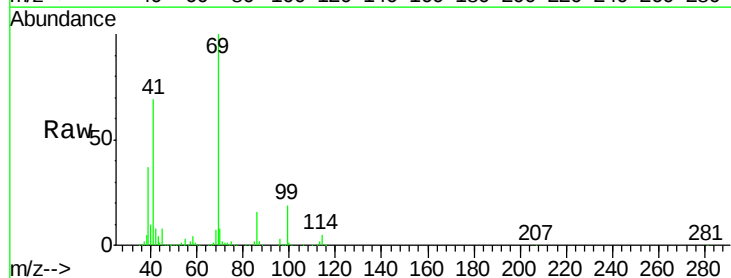
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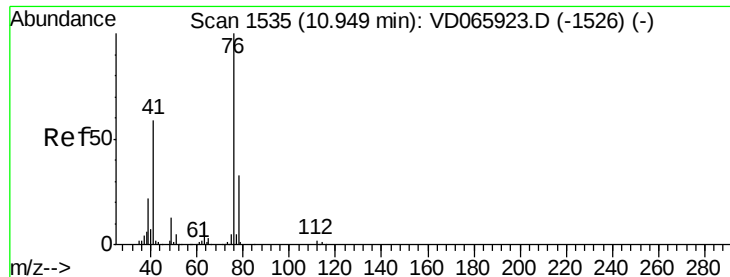
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#56
 Ethyl methacrylate
 Concen: 111.233 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD065924.D
 Acq: 07 Jul 2020 15:28

Tgt Ion:	69	Resp:	428161
Ion	Ratio	Lower	Upper
69	100		
41	69.3	56.5	84.7
39	35.3	29.2	43.8





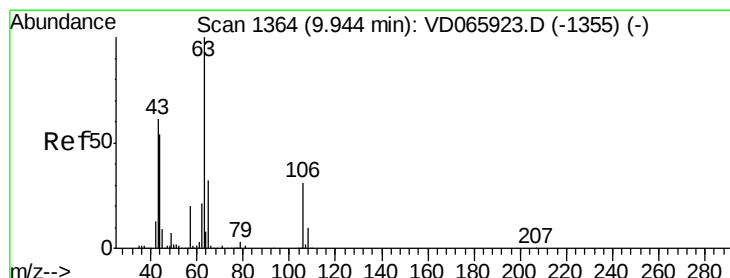
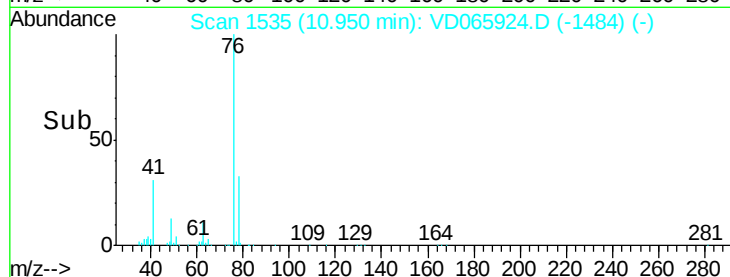
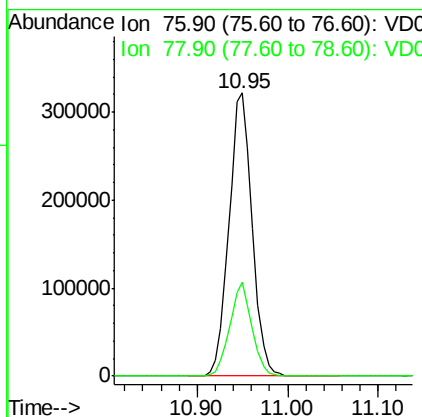
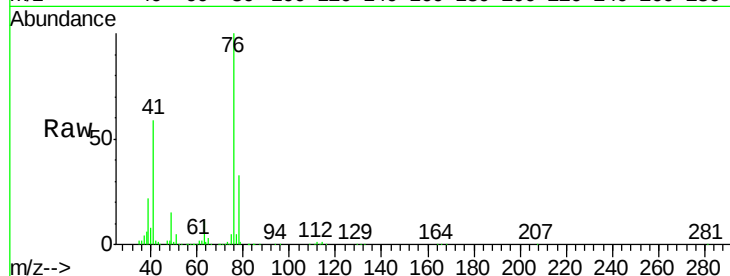
#57
 1,3-Dichloropropane
 Concen: 103.731 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065924.D
 Acq: 07 Jul 2020 15:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 76 Resp: 571702
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.8 38.6

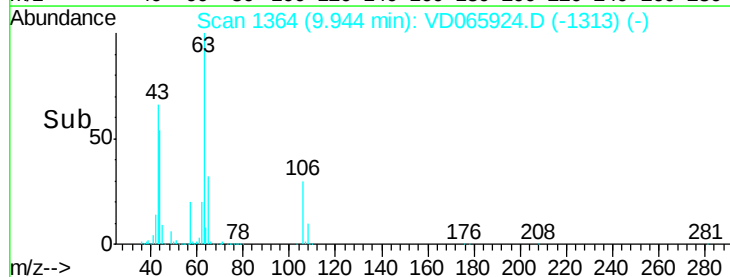
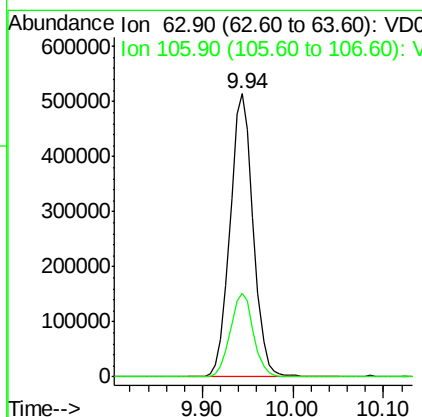
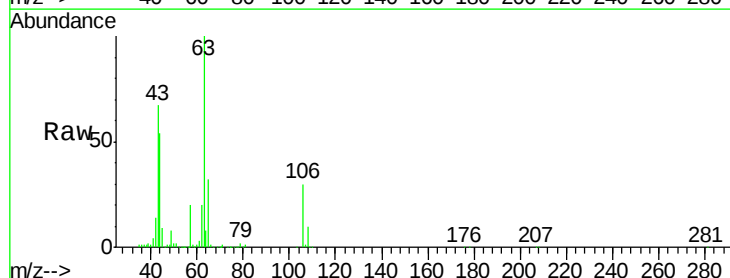
Manual Integrations
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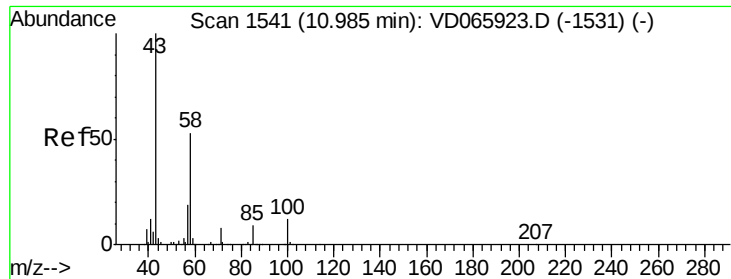
MMDadoda
 7/8/2020 12:05:30 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 490.204 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD065924.D
 Acq: 07 Jul 2020 15:28

Tgt Ion: 63 Resp: 913826
 Ion Ratio Lower Upper
 63 100
 106 29.5 23.8 35.6





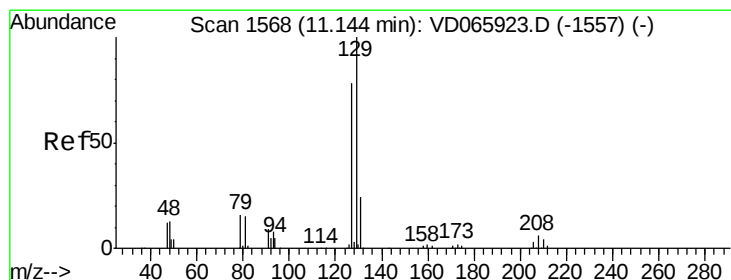
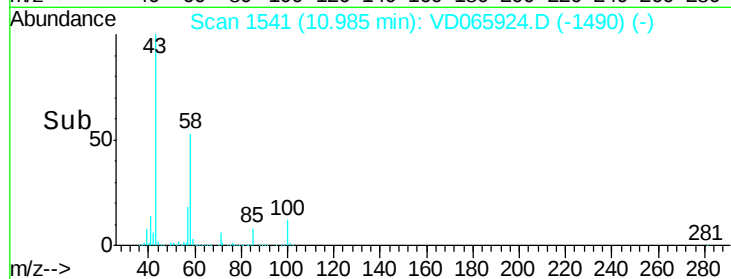
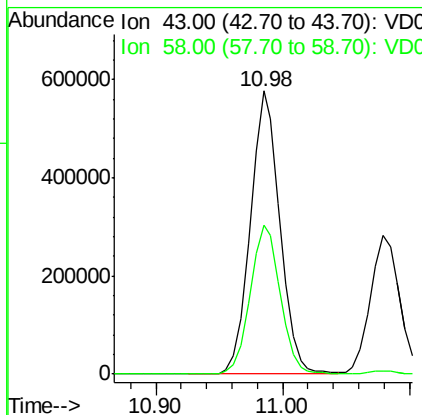
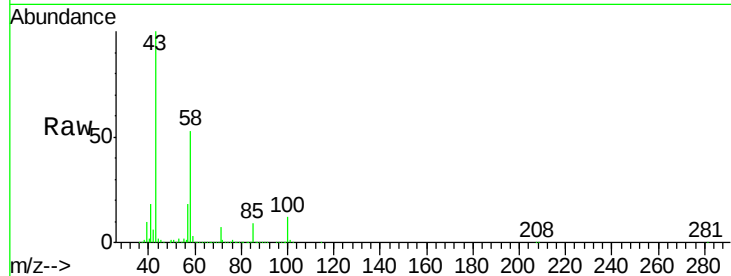
#59
2-Hexanone
Concen: 536.423 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD065924.D
Acq: 07 Jul 2020 15:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	43	Resp	932058
Ion Ratio	43	100	
Lower	58	53.8	26.6
Upper			79.8

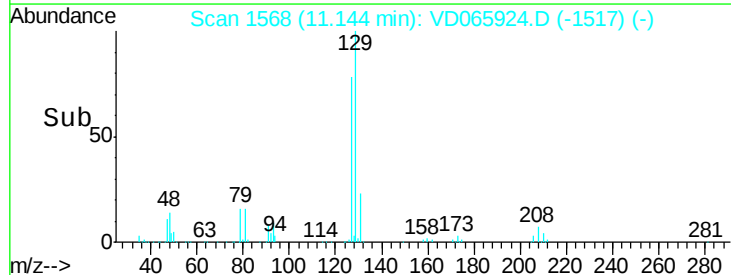
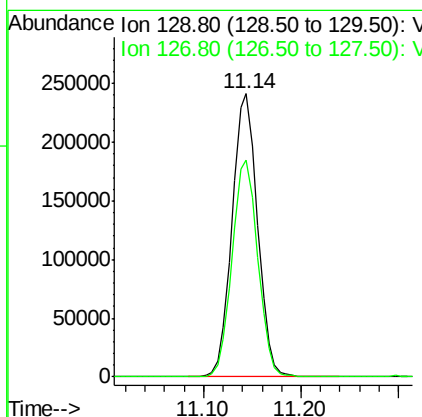
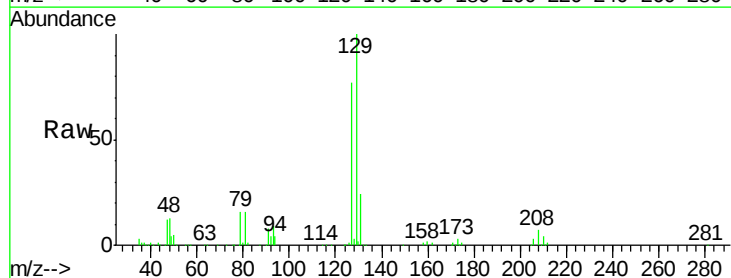
Manual Integrations
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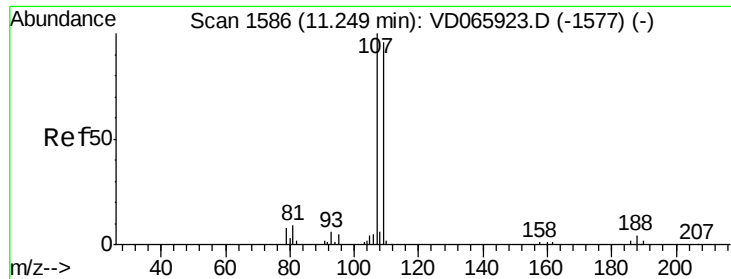
MMDadoda
7/8/2020 12:05:30 PM



#60
Dibromochloromethane
Concen: 101.612 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065924.D
Acq: 07 Jul 2020 15:28

Tgt Ion	129	Resp	437513
Ion Ratio	129	100	
Lower	127	77.3	38.8
Upper			116.4





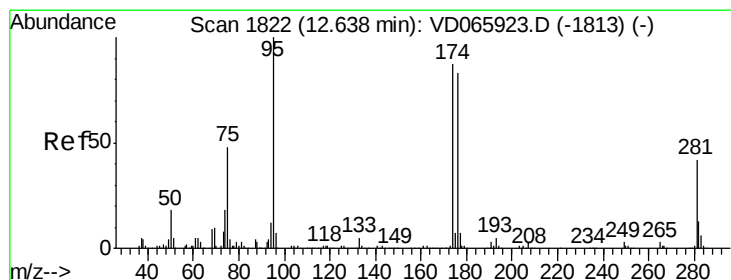
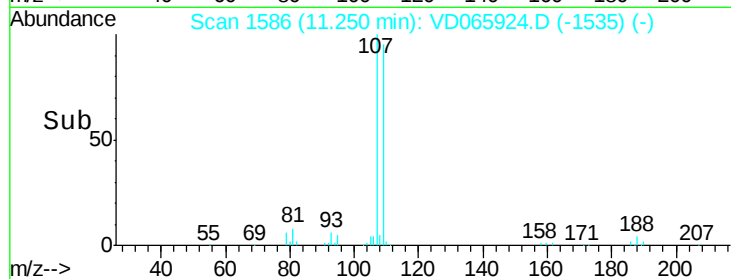
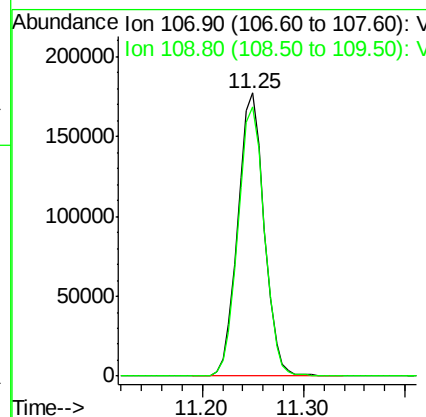
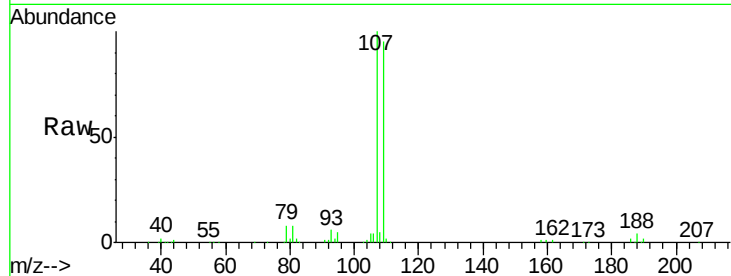
#61
 1,2-Dibromoethane
 Concen: 101.574 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065924.D
 Acq: 07 Jul 2020 15:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
107	100	319164		
109	96.1	75.4	113.0	

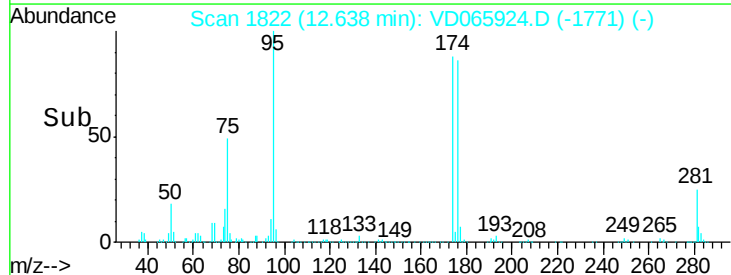
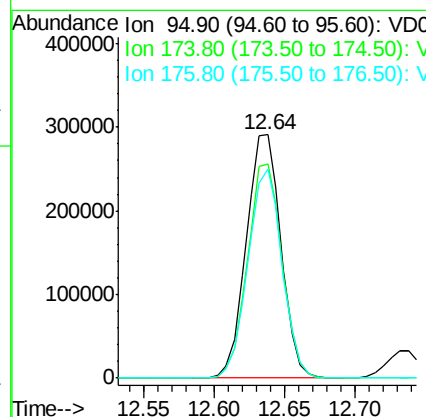
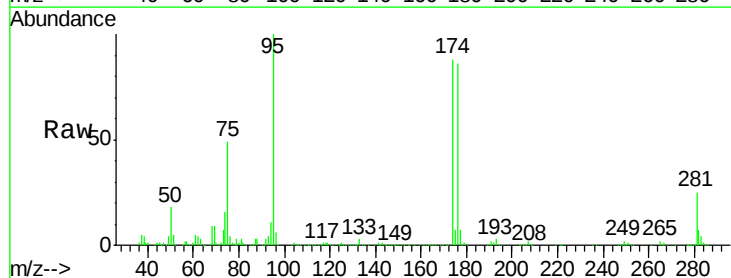
Manual Integrations
 APPROVED

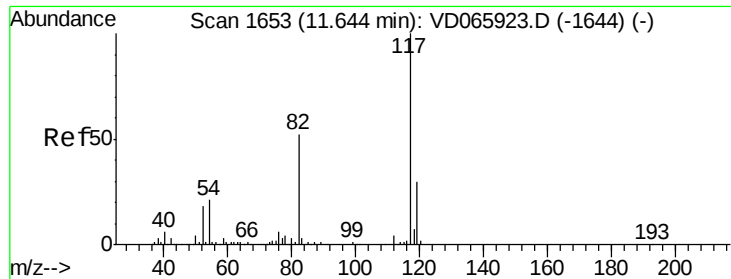
MMDadoda
 7/8/2020 12:05:30 PM



#62
 4-Bromofluorobenzene
 Concen: 100.203 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065924.D
 Acq: 07 Jul 2020 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	502470		
174	87.5	0.0	169.4	
176	84.2	0.0	164.0	





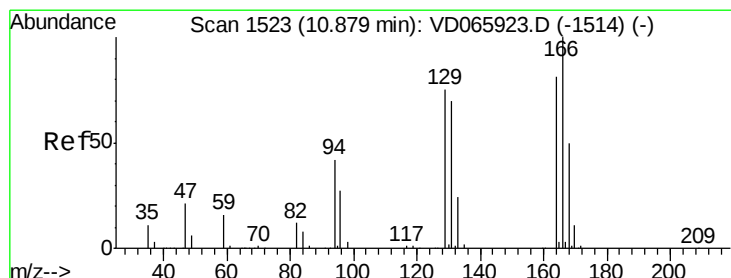
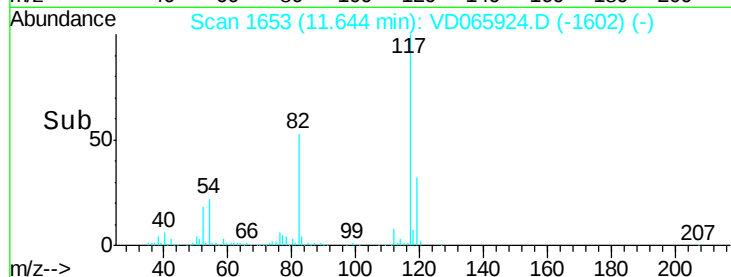
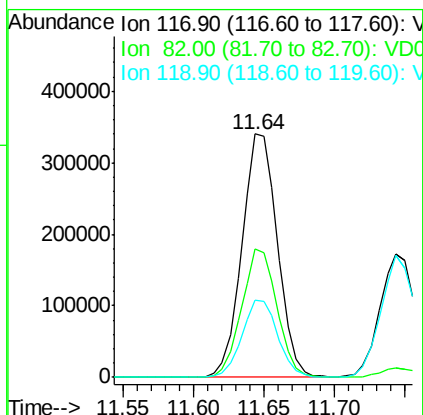
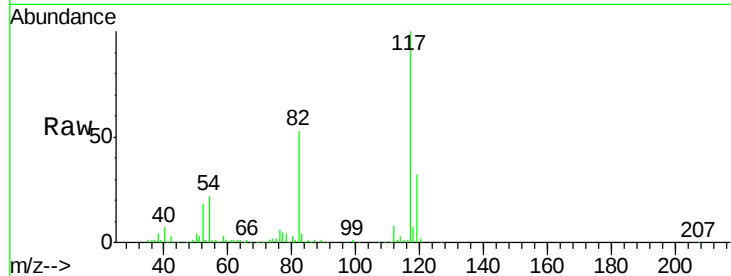
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD065924.D
Acq: 07 Jul 2020 15:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	599723		
82	52.6		41.8	62.8
119	31.8		24.3	36.5

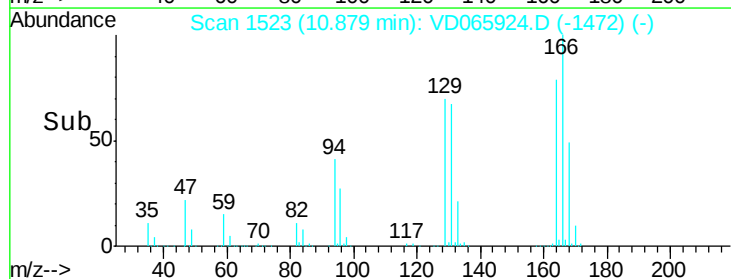
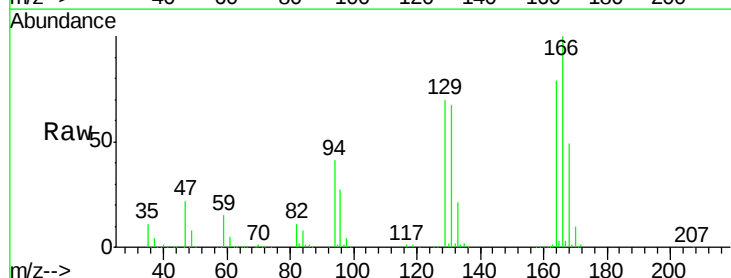
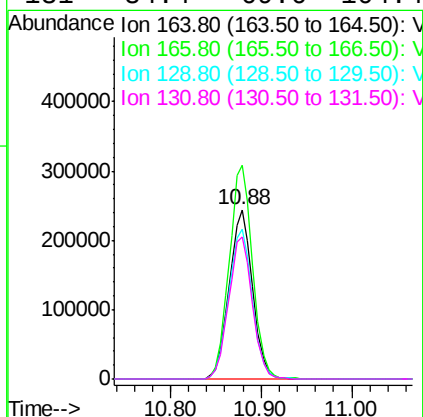
Manual Integrations
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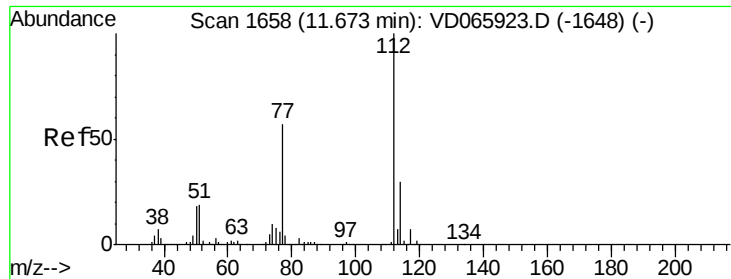
MMDadoda
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#64
Tetrachloroethene
Concen: 99.971 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065924.D
Acq: 07 Jul 2020 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	436008		
166	126.3		99.0	148.4
129	88.4		73.9	110.9
131	84.4		69.6	104.4





#65

Chlorobenzene

Concen: 99.708 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD065924.D

Acq: 07 Jul 2020 15:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 1205035

Ion Ratio Lower Upper

112 100

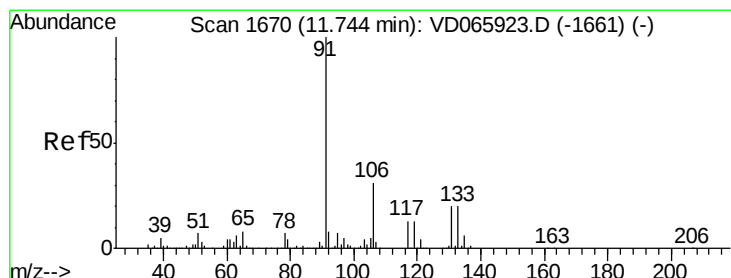
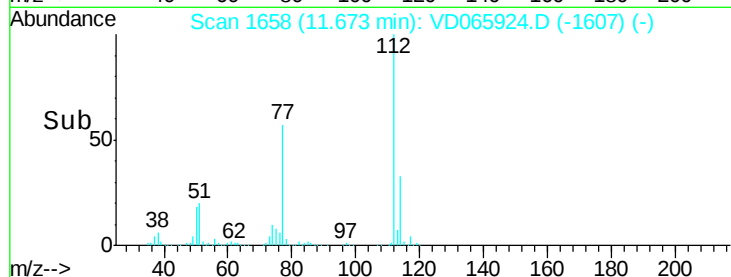
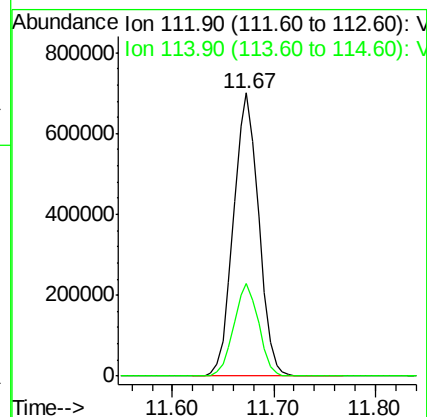
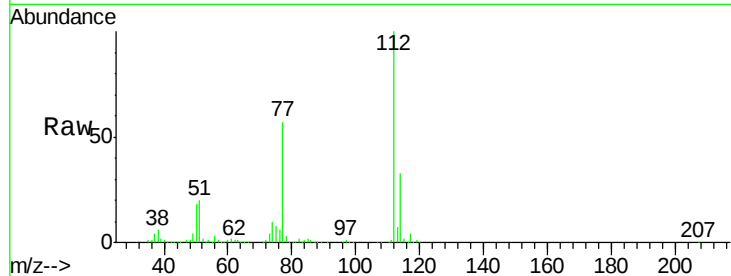
114 32.6 24.2 36.4

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 100.556 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD065924.D

Acq: 07 Jul 2020 15:28

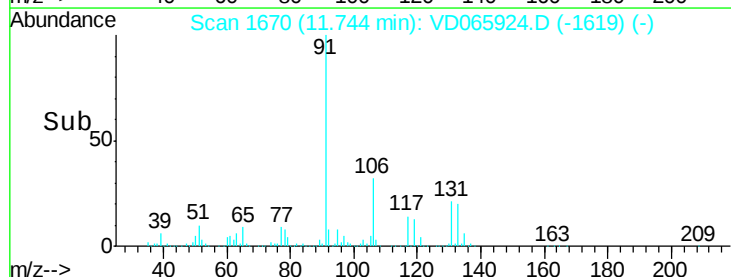
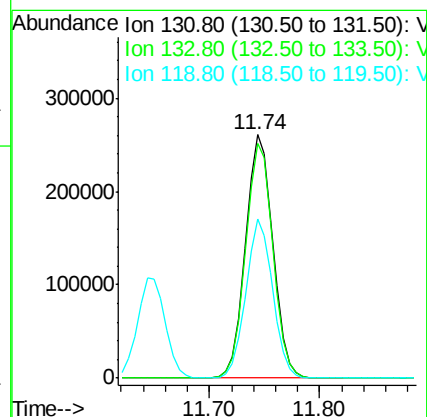
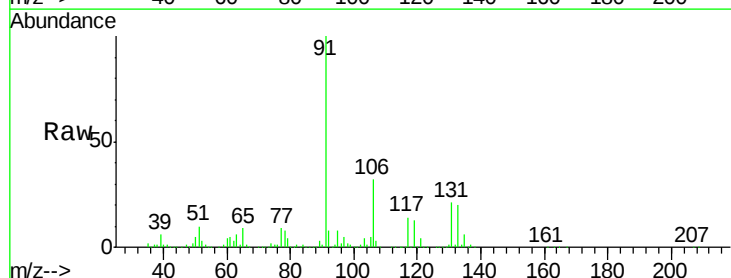
Tgt Ion:131 Resp: 454545

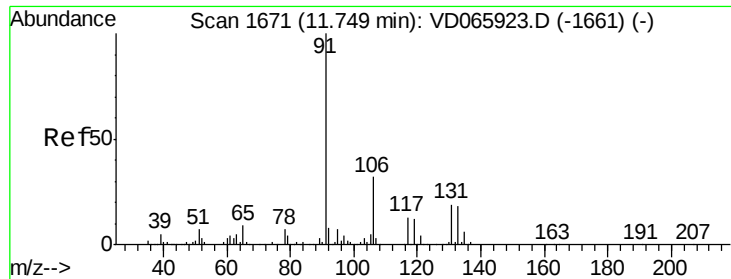
Ion Ratio Lower Upper

131 100

133 96.3 47.9 143.6

119 64.0 31.9 95.9





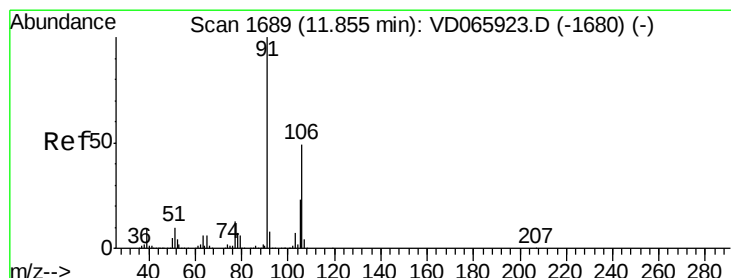
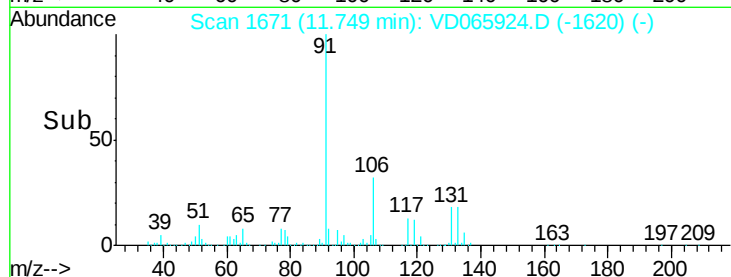
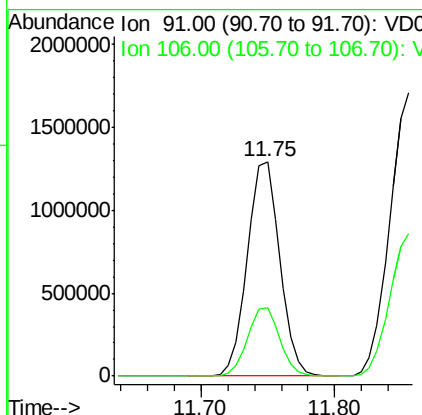
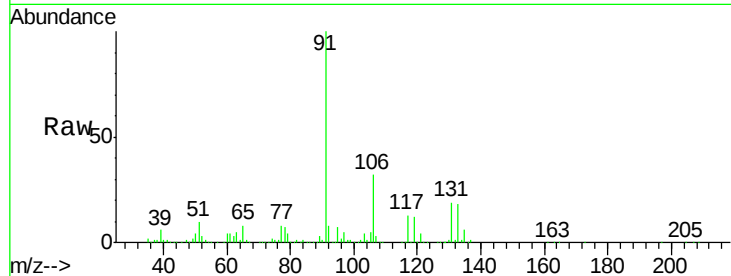
#67
Ethyl Benzene
Concen: 100.973 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065924.D
Acq: 07 Jul 2020 15:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 2167911
Ion Ratio Lower Upper
91 100
106 31.8 25.2 37.8

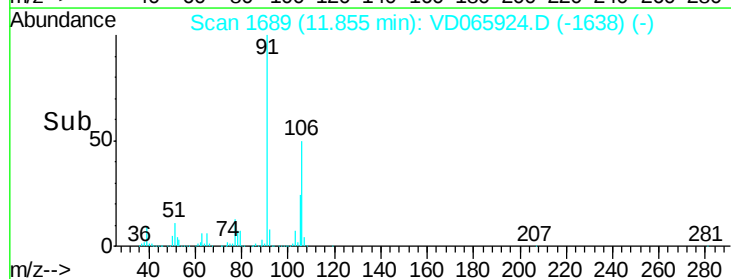
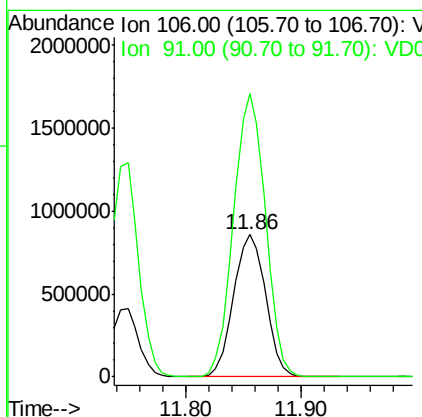
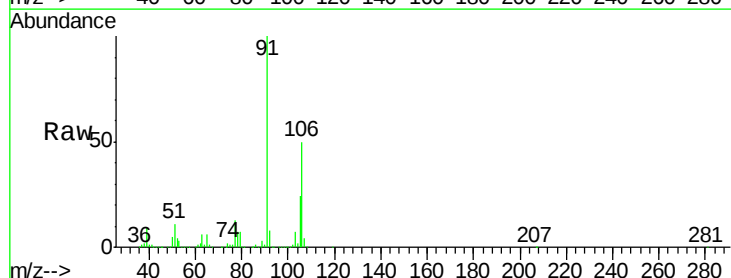
Manual Integrations
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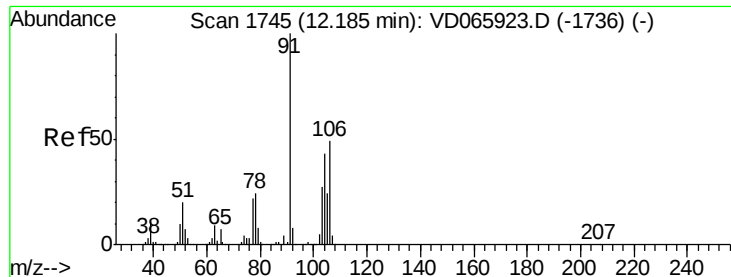
MMDadoda
7/8/2020 12:05:30 PM



#68
m/p-Xylenes
Concen: 202.042 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD065924.D
Acq: 07 Jul 2020 15:28

Tgt Ion: 106 Resp: 1648084
Ion Ratio Lower Upper
106 100
91 198.1 158.2 237.2





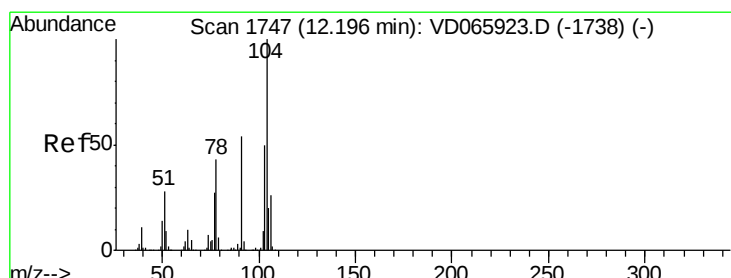
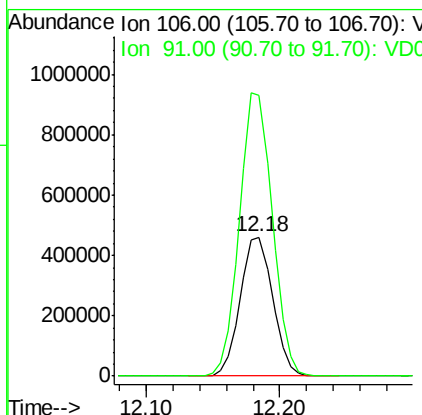
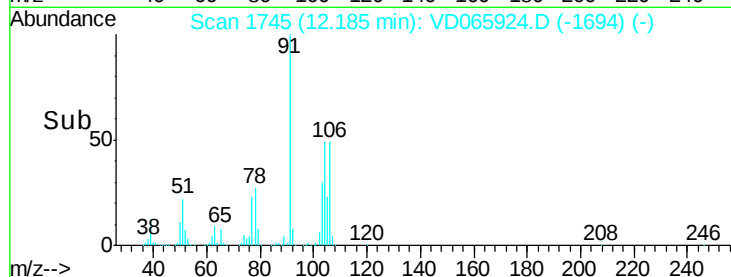
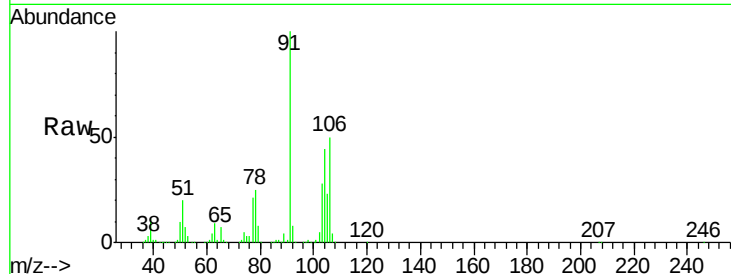
#69
o-Xylene
Concen: 104.526 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065924.D
Acq: 07 Jul 2020 15:28

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC100

Tot Ion:106 Resp: 776703
Ion Ratio Lower Upper
106 100
91 206.1 104.1 312.2

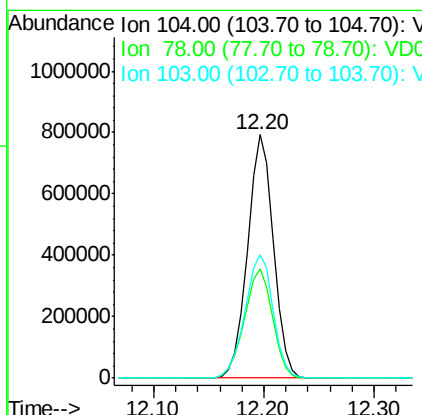
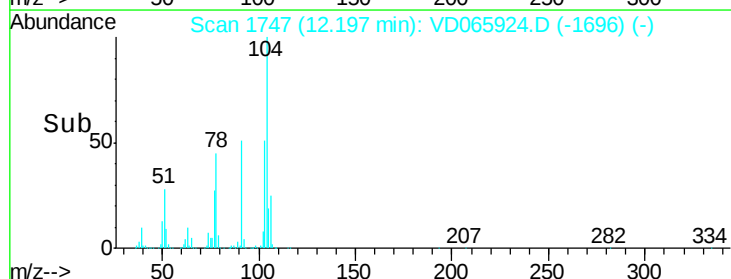
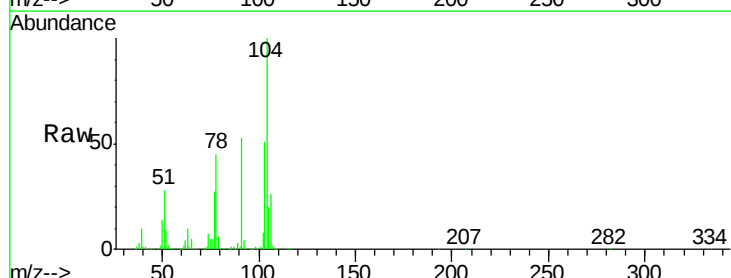
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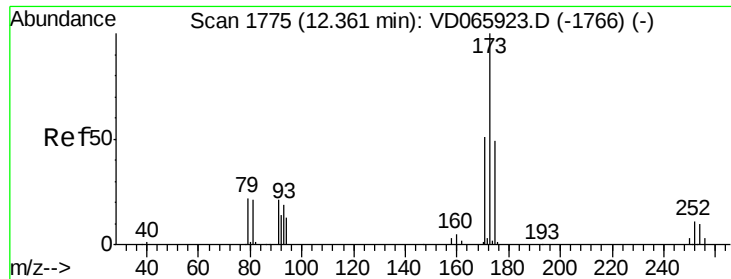
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#70
Styrene
Concen: 101.799 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD065924.D
Acq: 07 Jul 2020 15:28

Tgt Ion:104 Resp: 1305806
Ion Ratio Lower Upper
104 100
78 48.7 38.8 58.2
103 55.3 43.6 65.4





#71

Bromoform

Concen: 101.959 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD065924.D

Acq: 07 Jul 2020 15:28

Instrument :

MSVOA_D

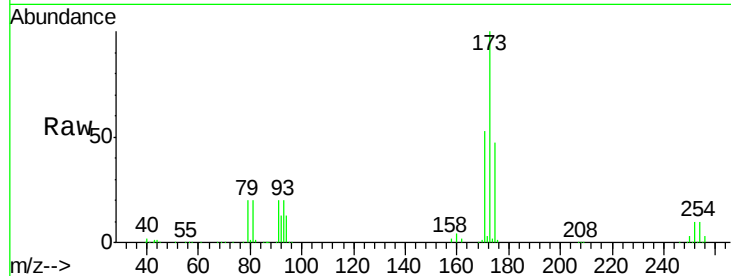
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.2	72.6
254	0.1	0.0	0.0

Manual Integrations
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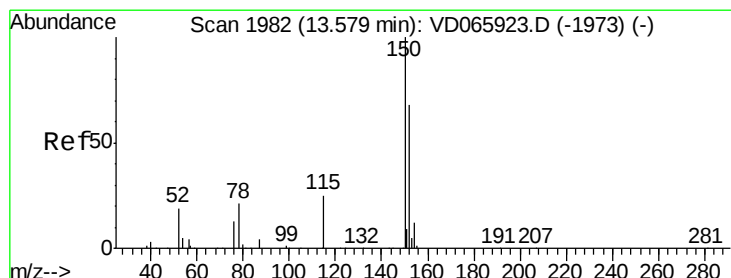
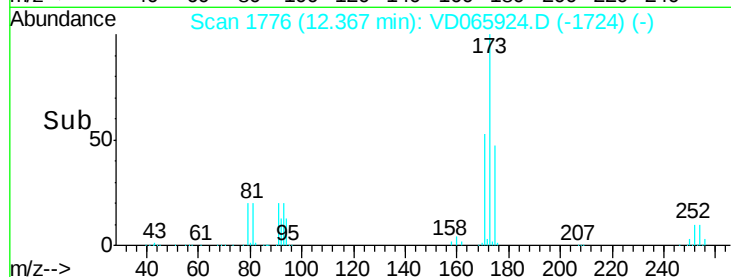
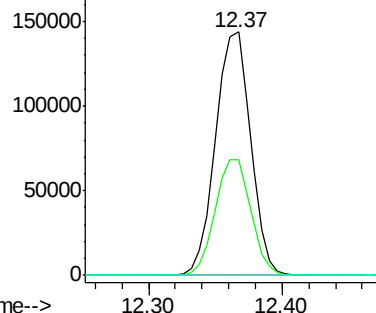


Abundance

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

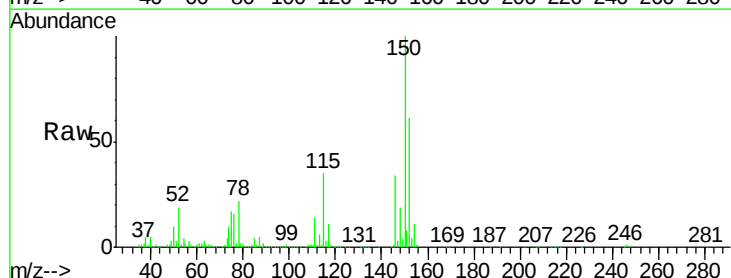
RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD065924.D

Acq: 07 Jul 2020 15:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	27.8	83.3
150	187.7	0.0	347.2

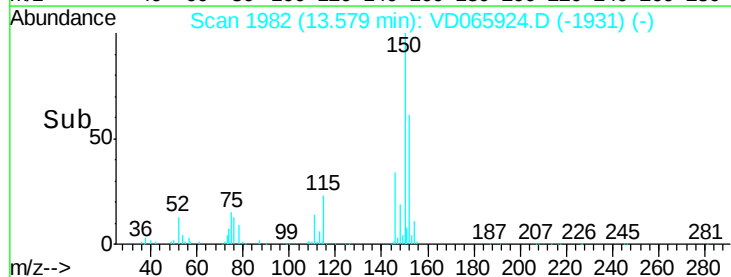
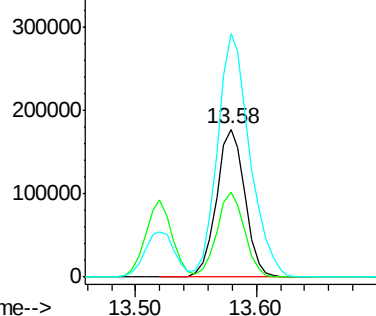


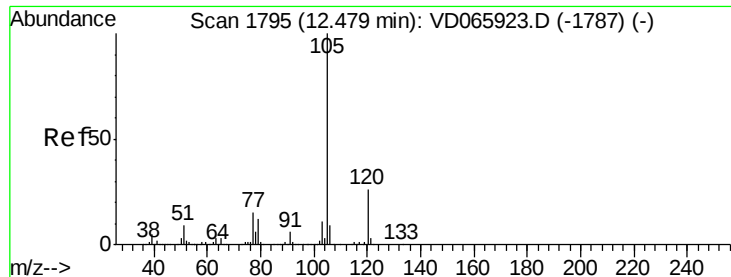
Abundance

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: 103.940 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD065924.D

Acq: 07 Jul 2020 15:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2105654

Ion Ratio Lower Upper

105 100

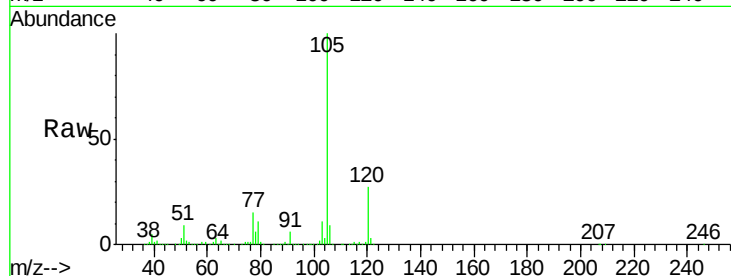
120 26.8 13.3 39.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1500000

1200000

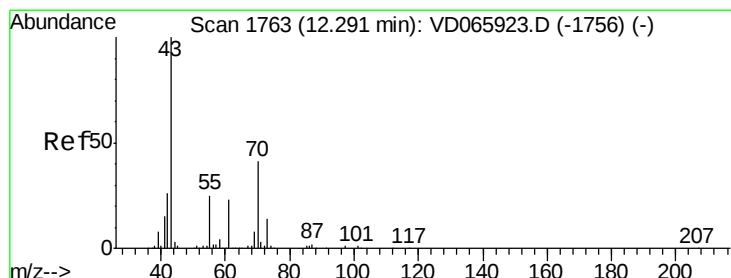
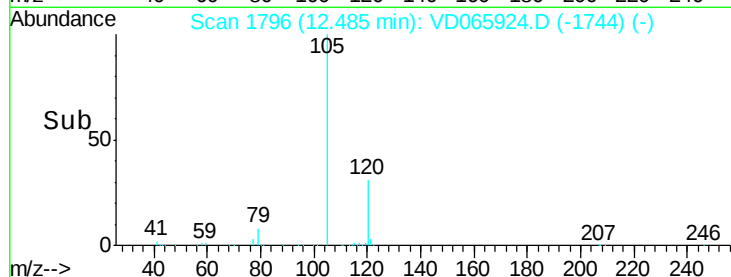
1000000

500000

0

12.40 12.45 12.50 12.55

Time-->



#74

N-ethyl acetate

Concen: 107.281 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD065924.D

Acq: 07 Jul 2020 15:28

Tgt Ion: 43 Resp: 487685

Ion Ratio Lower Upper

43 100

70 41.7 33.6 50.4

55 23.9 20.1 30.1

61 23.3 18.9 28.3

Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

500000

400000

300000

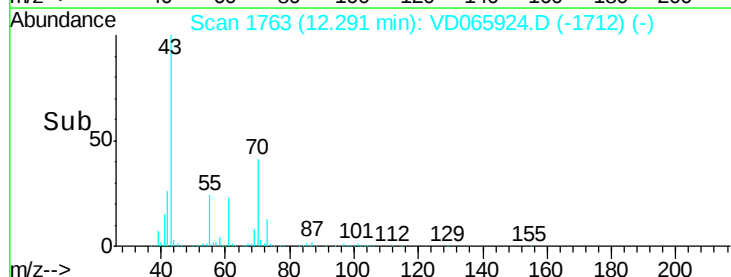
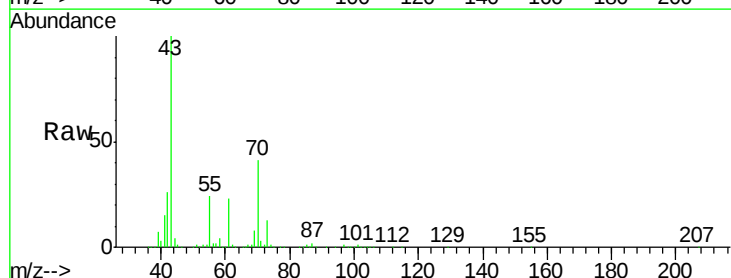
200000

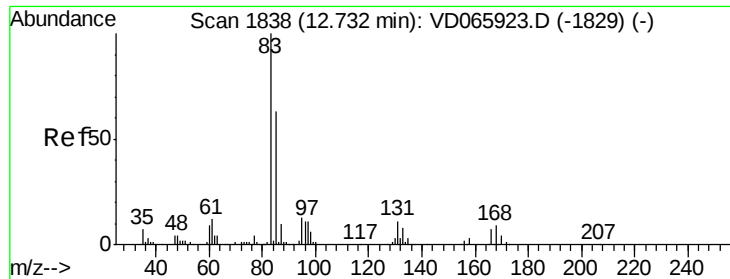
100000

0

12.20 12.30 12.40

Time-->





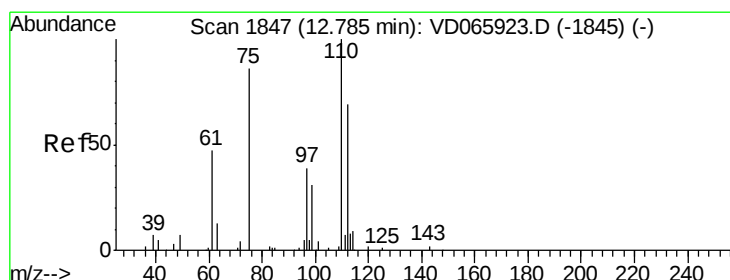
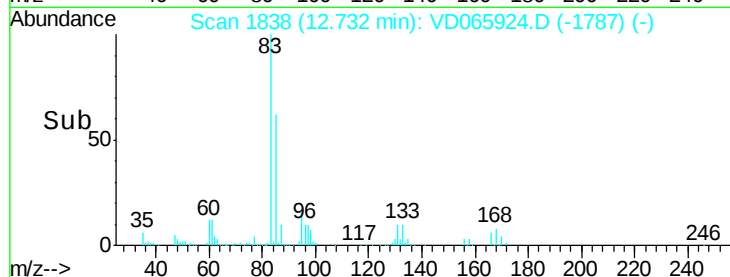
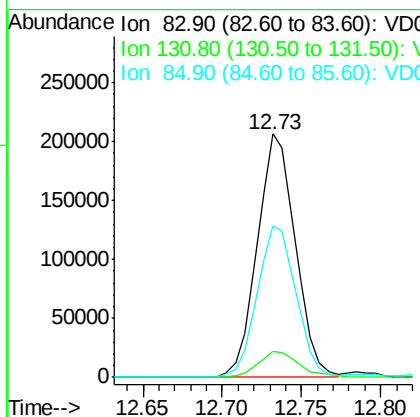
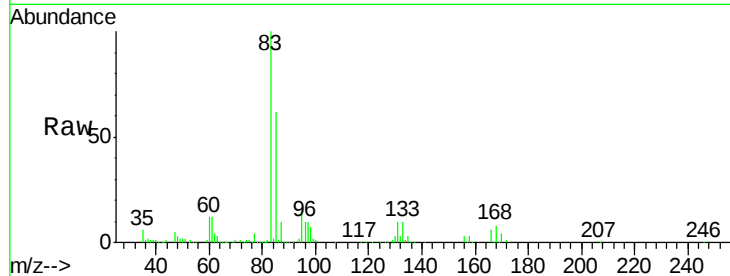
#75
 1,1,2,2-Tetrachloroethane
 Concen: 102.802 ug/l
 RT: 12.73 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VD065924.D
 Acq: 07 Jul 2020 15:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
131	11.4	5.6	16.8
85	63.3	32.6	98.0

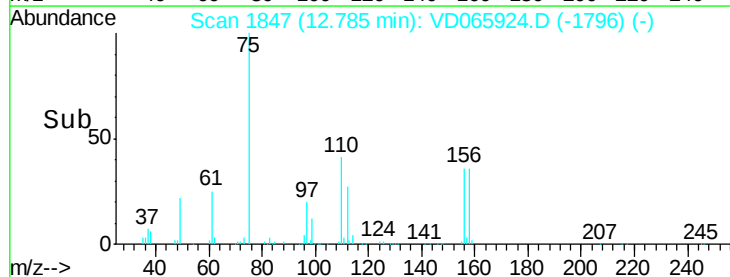
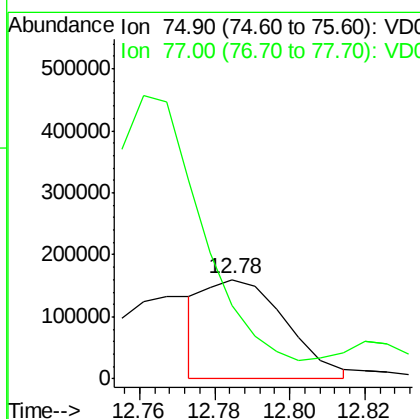
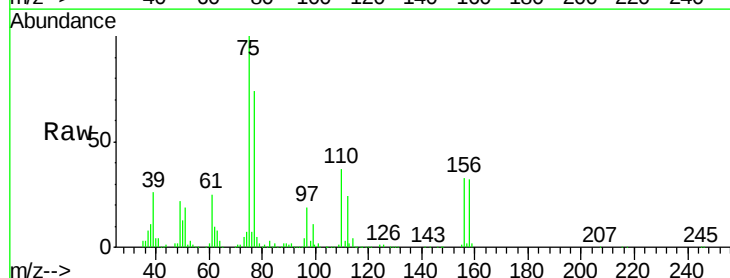
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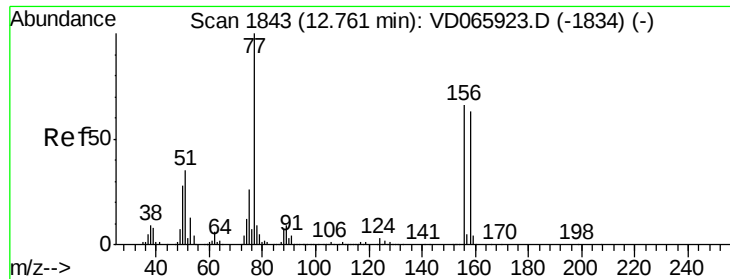
MMDadoda
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#76
 1,2,3-Trichloropropane
 Concen: 98.845 ug/l m
 RT: 12.78 min Scan# 1847
 Delta R.T. 0.00 min
 Lab File: VD065924.D
 Acq: 07 Jul 2020 15:28

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





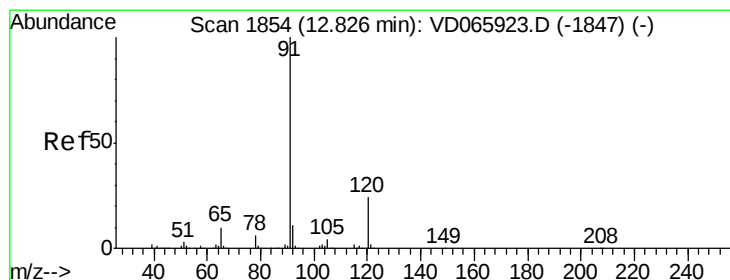
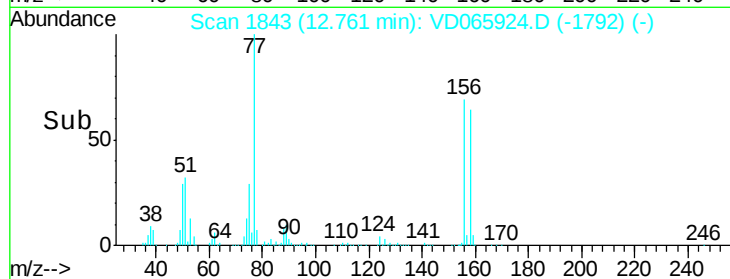
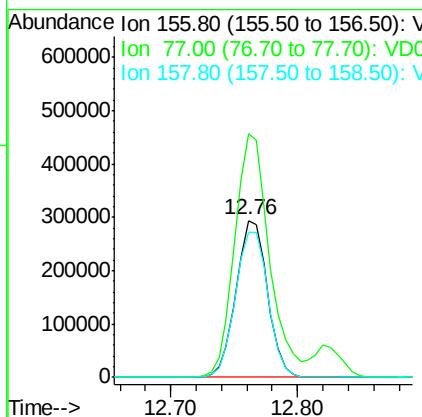
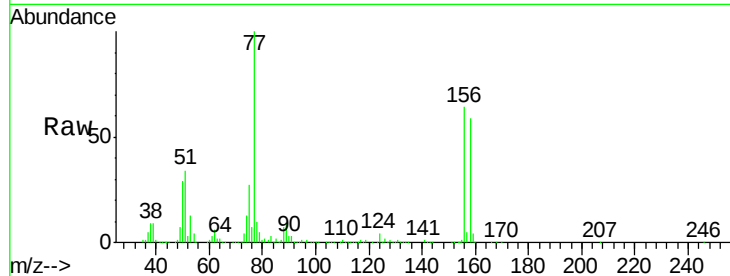
#77
Bromobenzene
Concen: 102.269 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VD065924.D
Acq: 07 Jul 2020 15:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	171.4	85.0	255.0
158	96.5	49.0	147.0

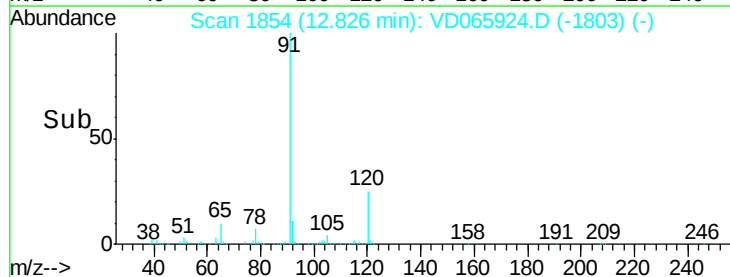
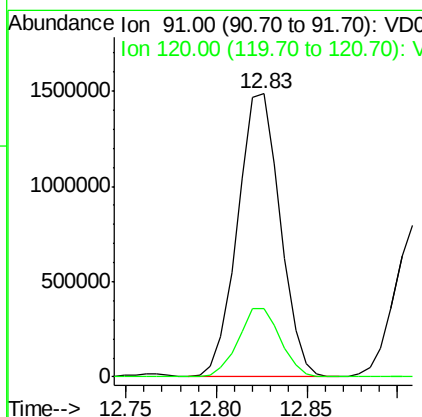
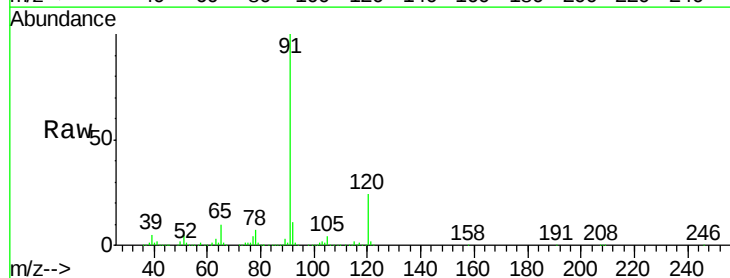
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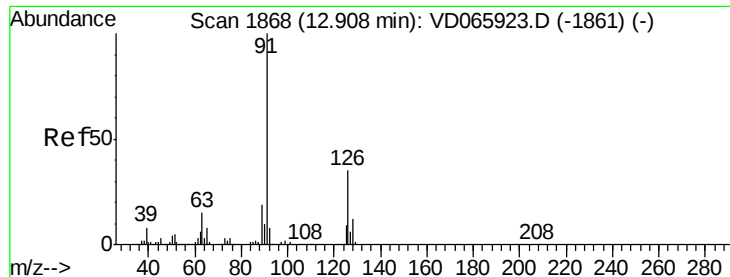
MMDadoda
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#78
n-propylbenzene
Concen: 102.171 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD065924.D
Acq: 07 Jul 2020 15:28

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.0	11.8	35.4





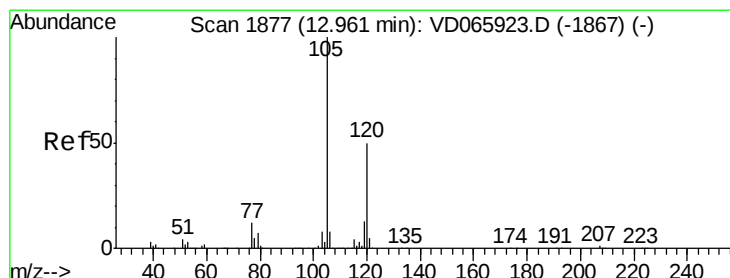
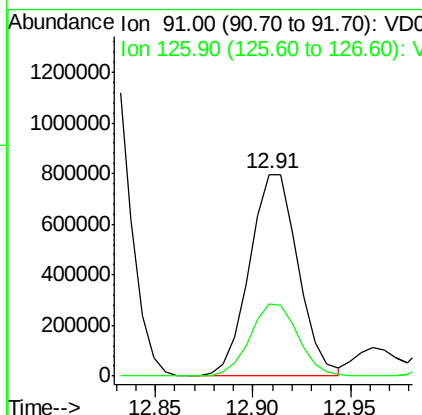
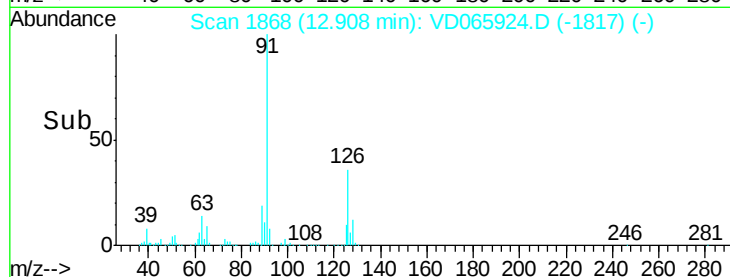
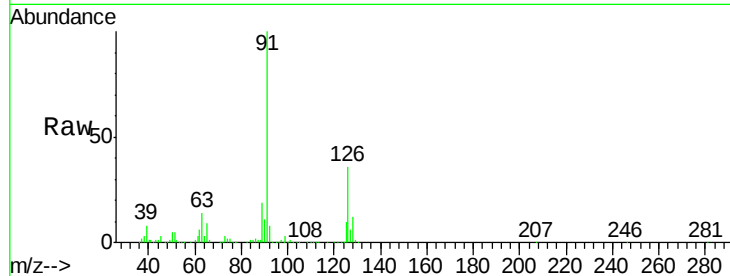
#79
 2-Chlorotoluene
 Concen: 102.137 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VD065924.D
 Acq: 07 Jul 2020 15:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 91 Resp: 1376197
 Ion Ratio Lower Upper
 91 100
 126 35.3 17.6 52.8

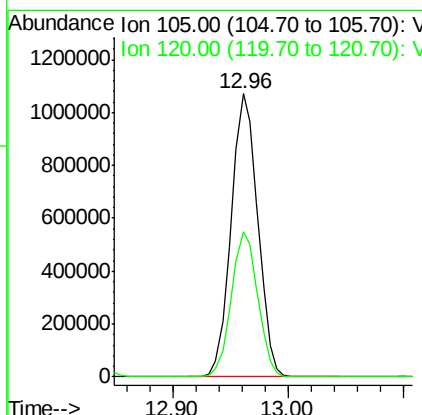
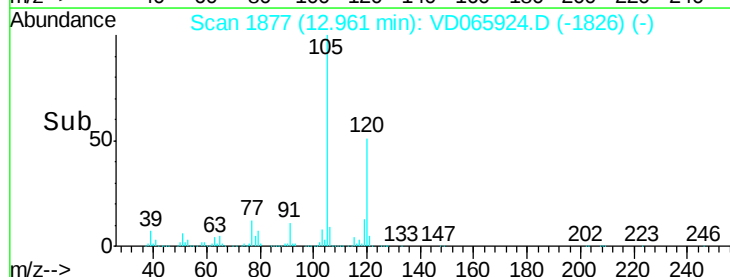
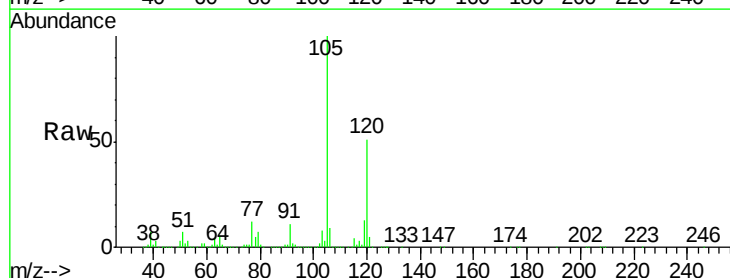
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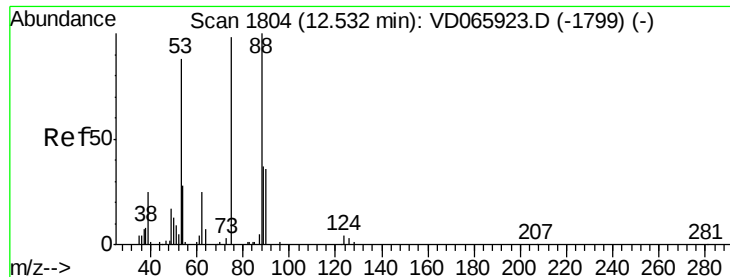
MMDadoda
 7/8/2020 12:05:30 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 102.848 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD065924.D
 Acq: 07 Jul 2020 15:28

Tgt Ion: 105 Resp: 1704191
 Ion Ratio Lower Upper
 105 100
 120 50.9 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 107.187 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD065924.D

Acq: 07 Jul 2020 15:28

Instrument :

MSVOA_D

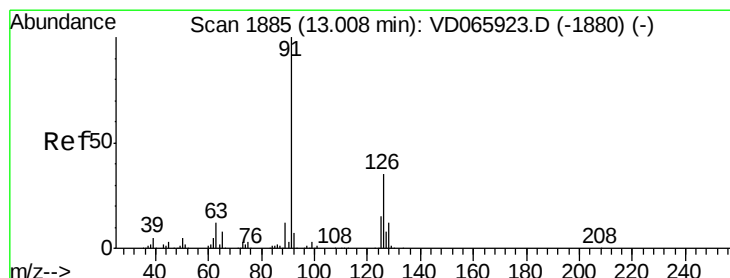
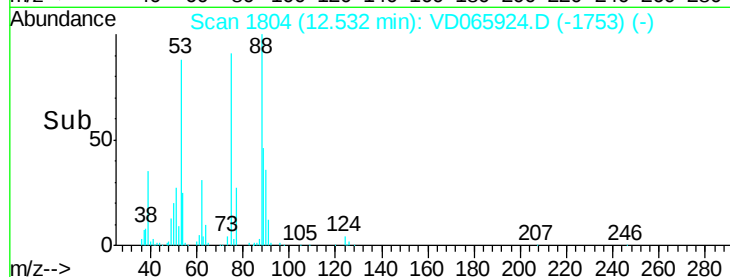
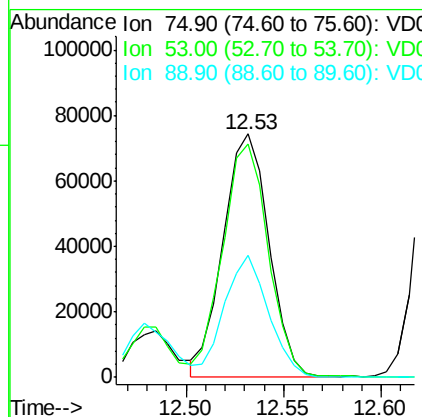
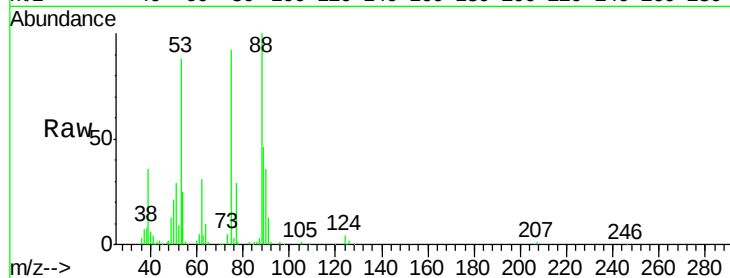
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	121469
Ion	Ratio	Lower	Upper
75	100		
53	95.4	75.8	113.8
89	48.3	37.5	56.3

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#82

4-Chlorotoluene

Concen: 101.004 ug/l

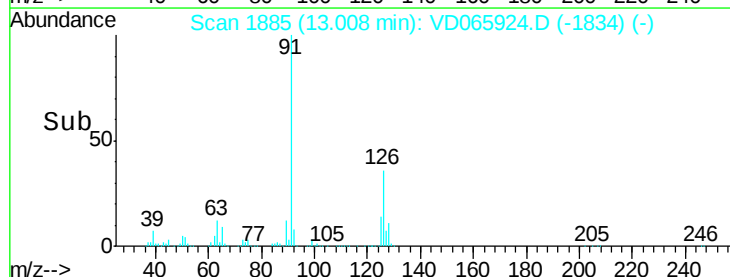
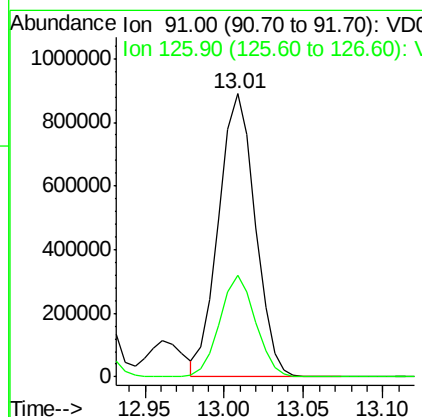
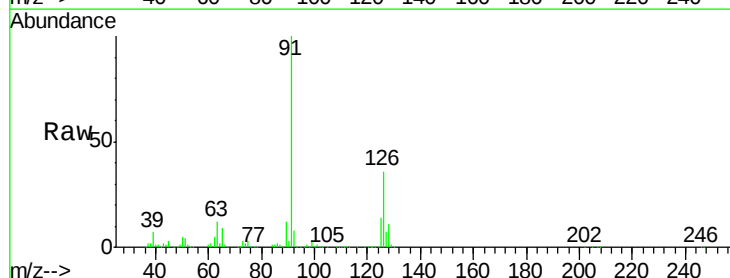
RT: 13.01 min Scan# 1885

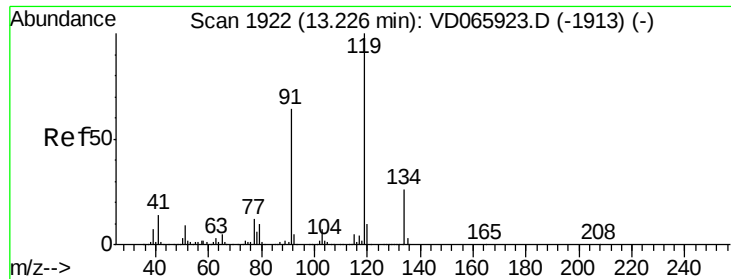
Delta R.T. 0.00 min

Lab File: VD065924.D

Acq: 07 Jul 2020 15:28

Tgt Ion:	91	Resp:	1427862
Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.3	51.7





#83

tert-Butylbenzene

Concen: 104.842 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VD065924.D

Acq: 07 Jul 2020 15:28

Instrument :

MSVOA_D

ClientSampleId :

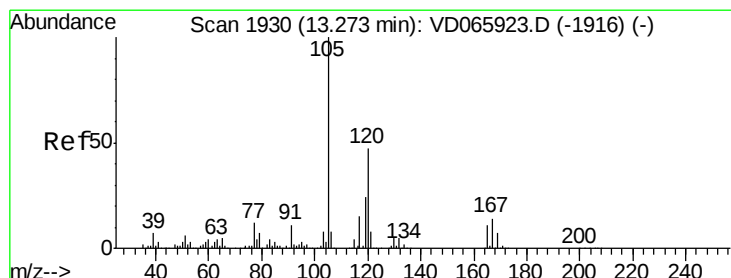
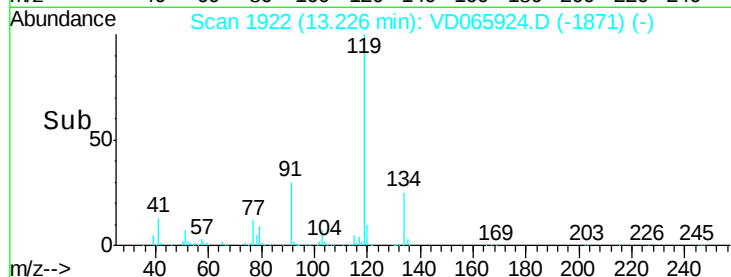
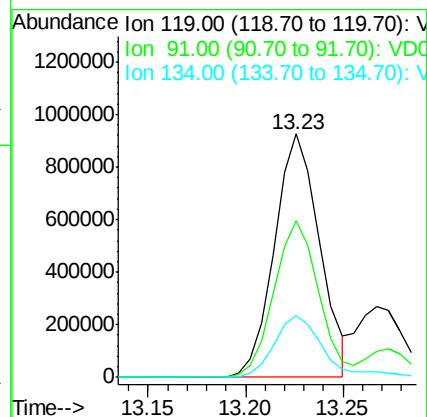
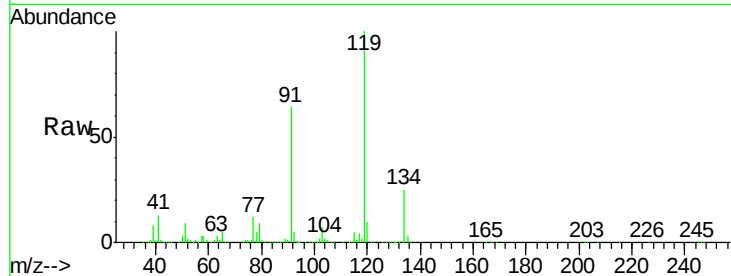
VSTDIC100

Tot Ion:119 Resp: 1480067

Ion	Ratio	Lower	Upper
119	100		
91	64.1	32.4	97.2
134	27.7	14.1	42.4

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#84

1,2,4-Trimethylbenzene

Concen: 102.490 ug/l

RT: 13.27 min Scan# 1930

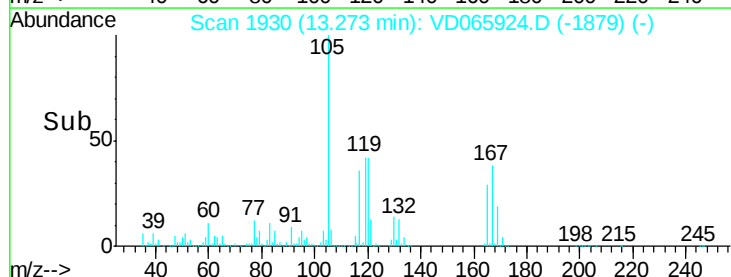
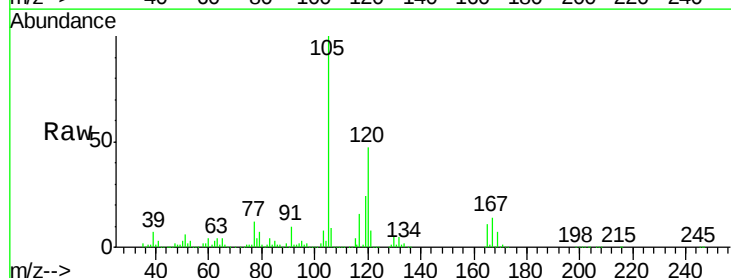
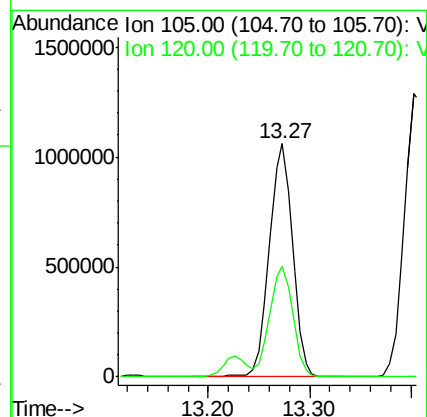
Delta R.T. 0.00 min

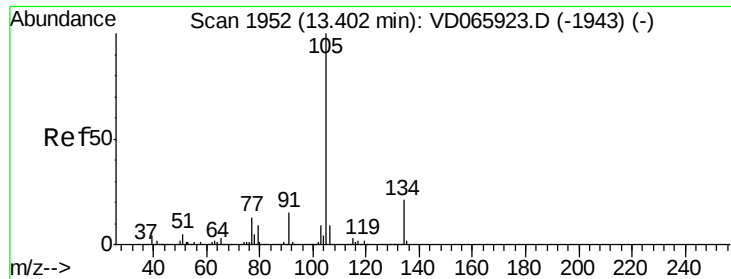
Lab File: VD065924.D

Acq: 07 Jul 2020 15:28

Tgt Ion:105 Resp: 1690485

Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.2	69.5





#85

sec-Butylbenzene

Concen: 103.753 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD065924.D

Acq: 07 Jul 2020 15:28

Instrument :

MSVOA_D

ClientSampled :

VSTDICC100

Tot Ion:105 Resp: 2075753

Ion Ratio Lower Upper

105 100

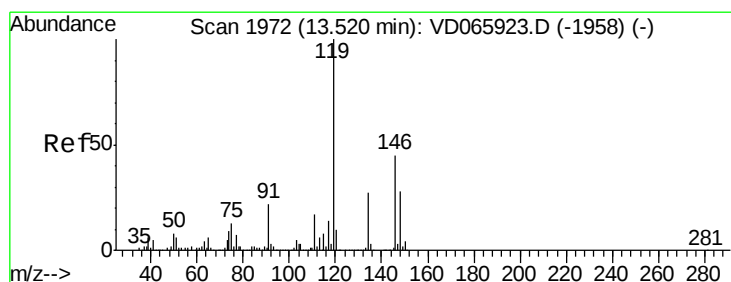
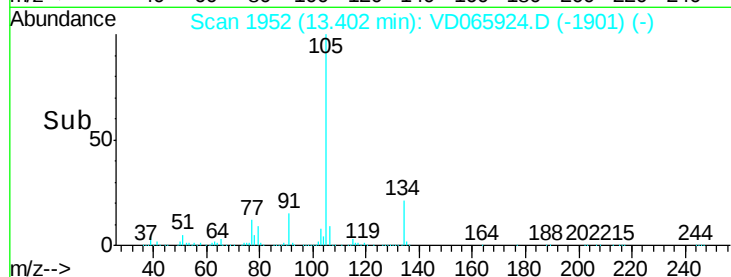
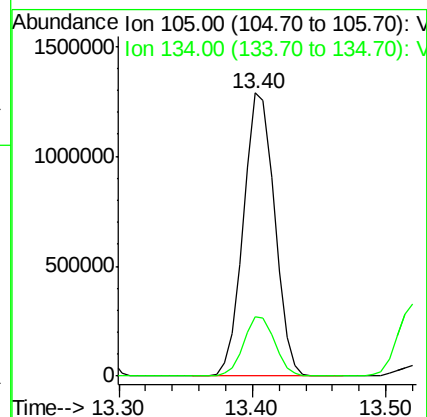
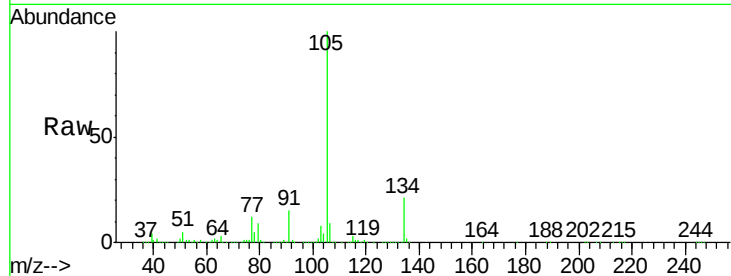
134 21.0 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 103.762 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD065924.D

Acq: 07 Jul 2020 15:28

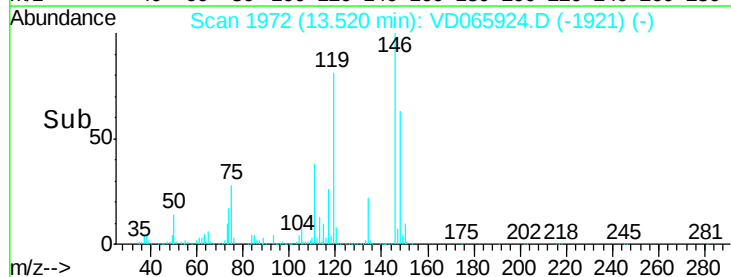
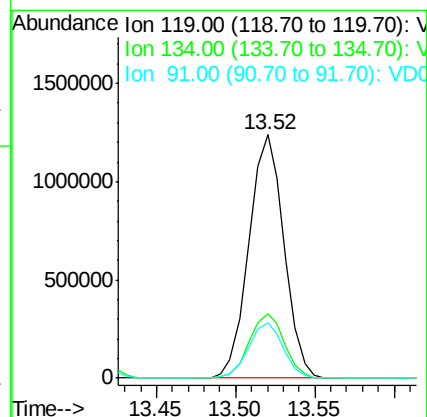
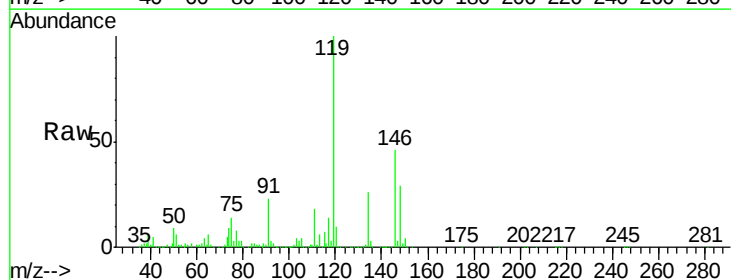
Tgt Ion:119 Resp: 1898744

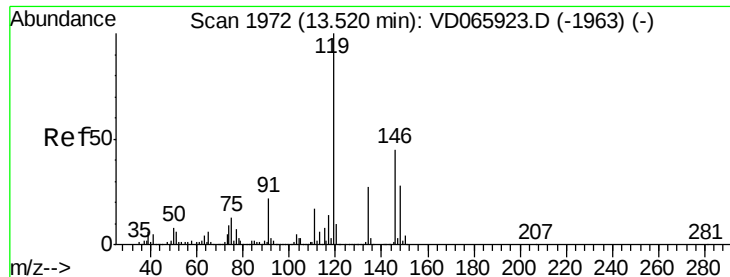
Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.1

91 22.6 11.3 33.8





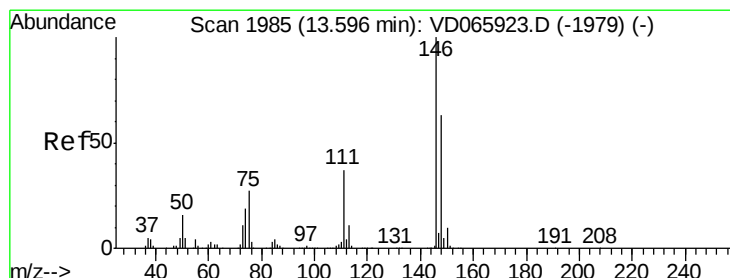
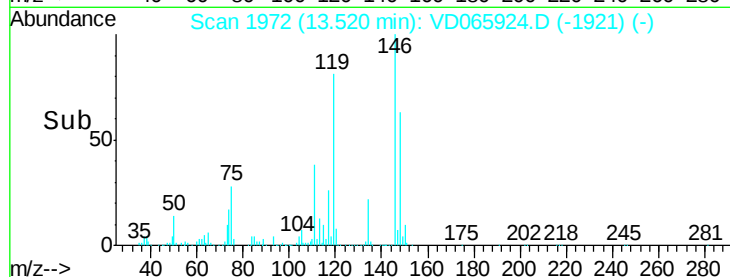
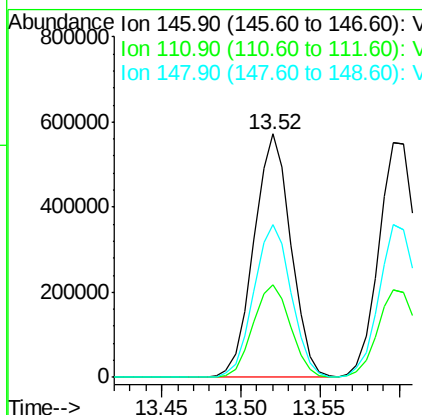
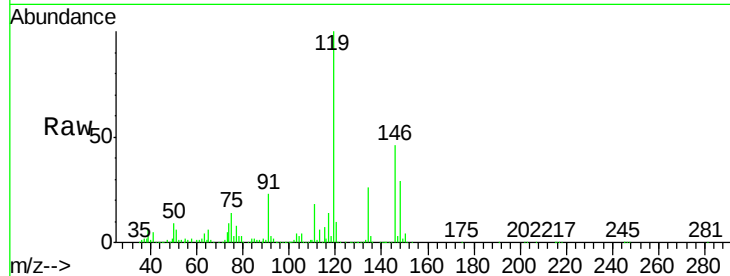
#87
 1,3-Dichlorobenzene
 Concen: 101.208 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD065924.D
 Acq: 07 Jul 2020 15:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100	930535		
111	38.5	19.3	57.8	
148	63.5	32.0	96.0	

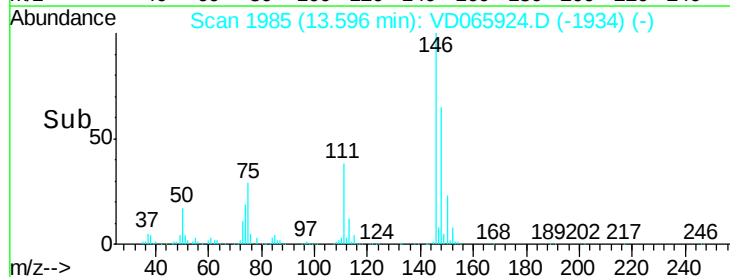
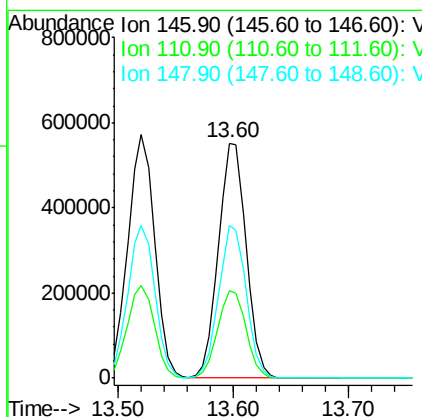
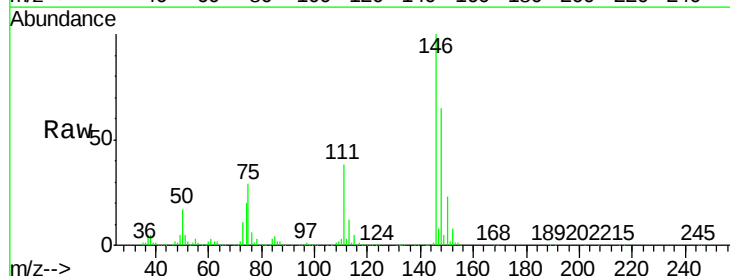
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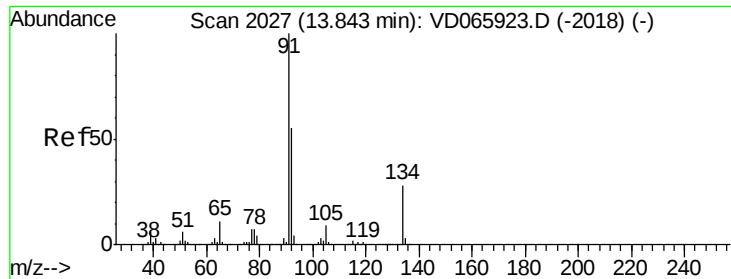
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#88
 1,4-Dichlorobenzene
 Concen: 100.310 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD065924.D
 Acq: 07 Jul 2020 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	920105		
111	37.8	18.9	56.7	
148	64.0	32.1	96.3	





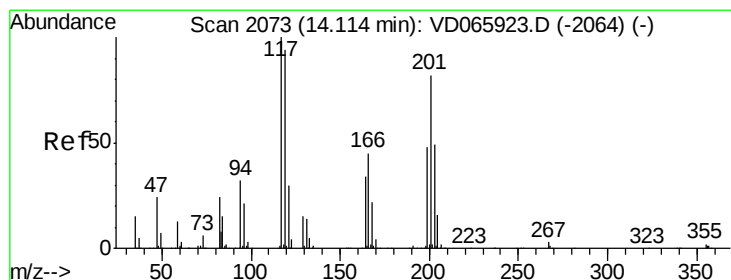
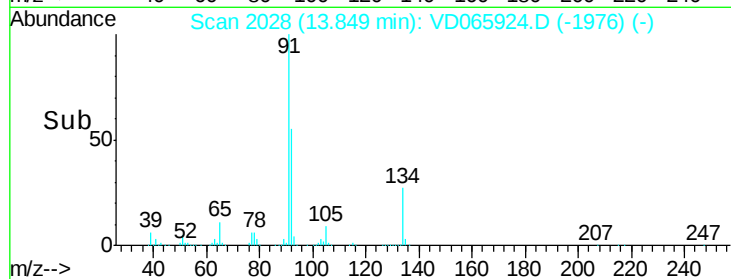
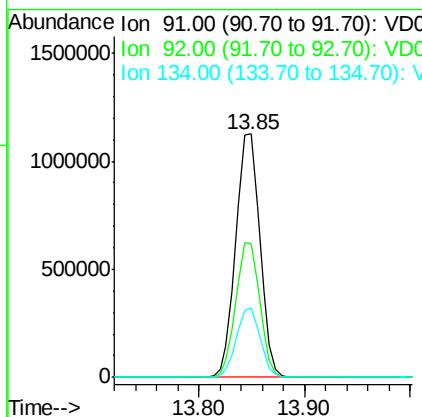
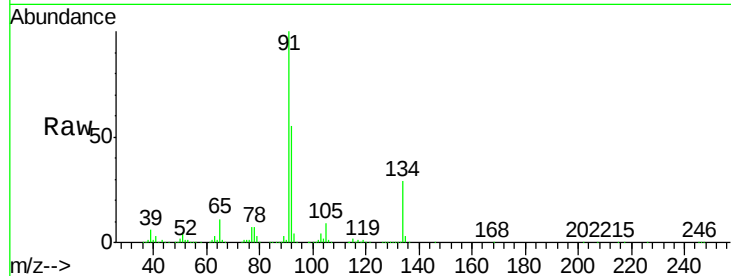
#89
n-Butylbenzene
Concen: 103.244 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD065924.D
Acq: 07 Jul 2020 15:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1774145
Ion Ratio Lower Upper
91 100
92 54.8 27.2 81.6
134 28.0 13.8 41.3

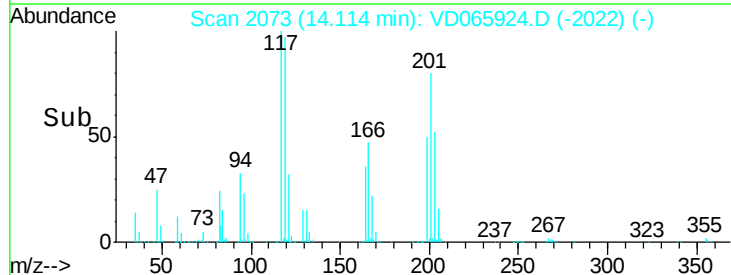
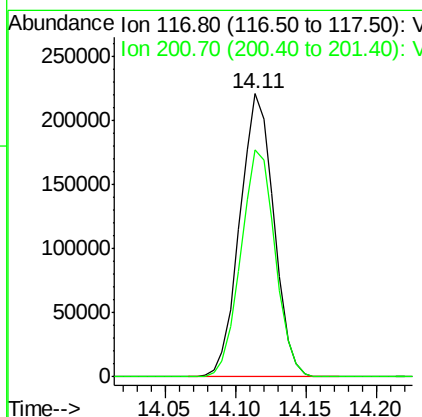
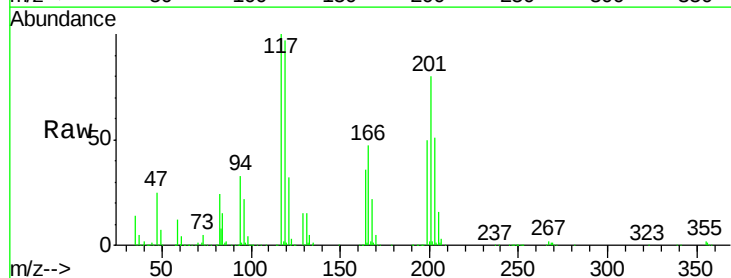
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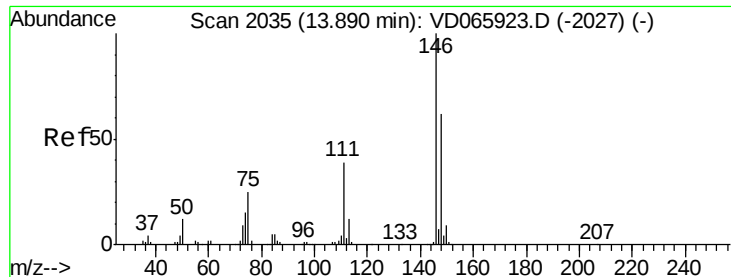
MMDadoda
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#90
Hexachloroethane
Concen: 101.130 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD065924.D
Acq: 07 Jul 2020 15:28

Tgt Ion: 117 Resp: 373182
Ion Ratio Lower Upper
117 100
201 80.8 40.0 120.0





#91

1,2-Dichlorobenzene

Concen: 101.847 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VD065924.D

Acq: 07 Jul 2020 15:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:146 Resp: 818446

Ion Ratio Lower Upper

146 100

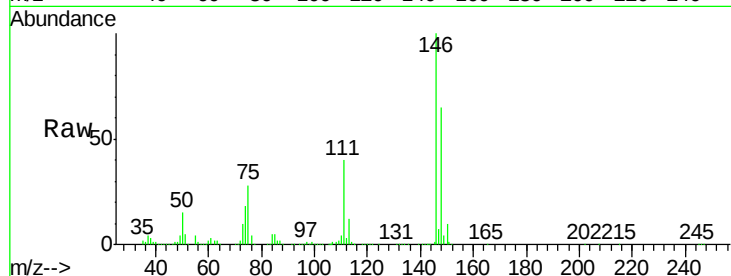
111 39.7 19.7 59.0

148 64.0 32.5 97.5

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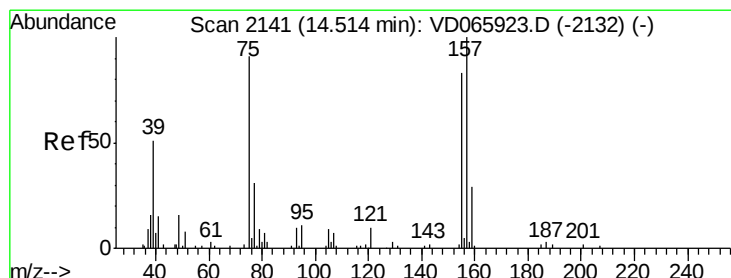
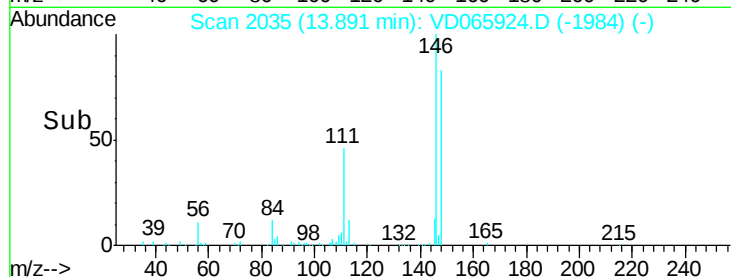
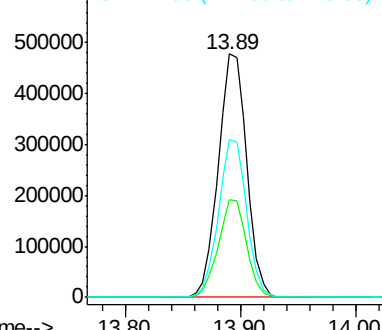
7/8/2020 12:05:30 PM



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 104.329 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. -0.01 min

Lab File: VD065924.D

Acq: 07 Jul 2020 15:28

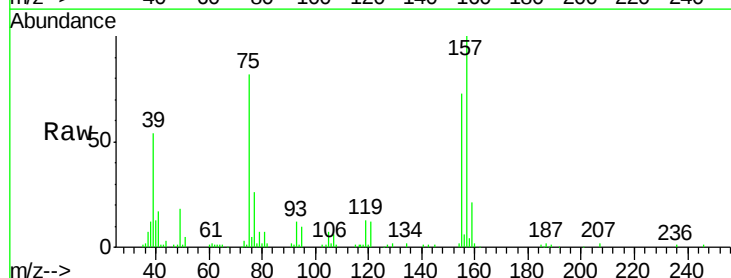
Tgt Ion: 75 Resp: 58673

Ion Ratio Lower Upper

75 100

155 94.0 45.3 135.8

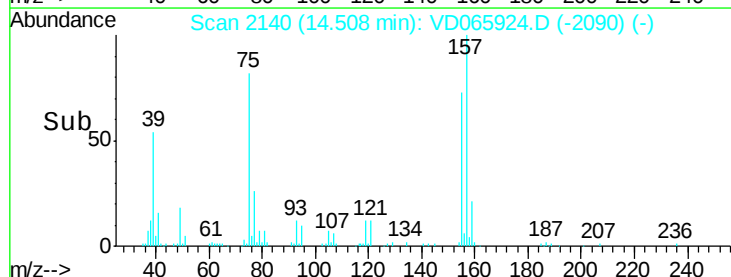
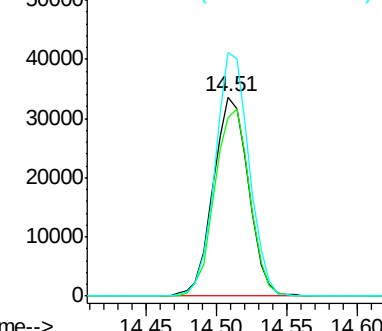
157 118.0 56.9 170.6

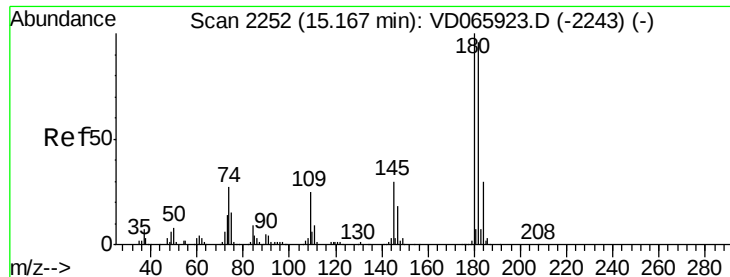


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





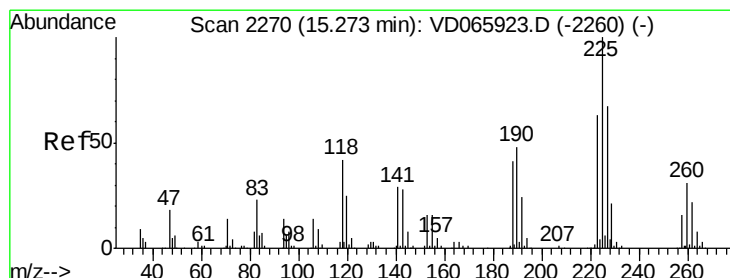
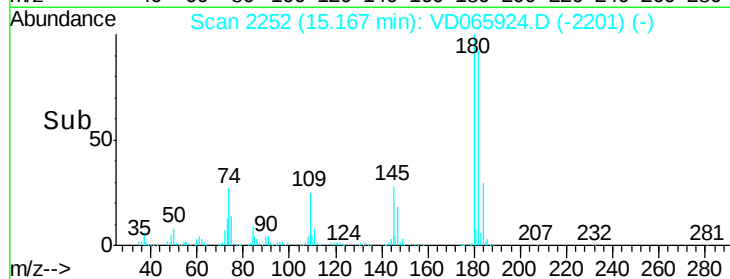
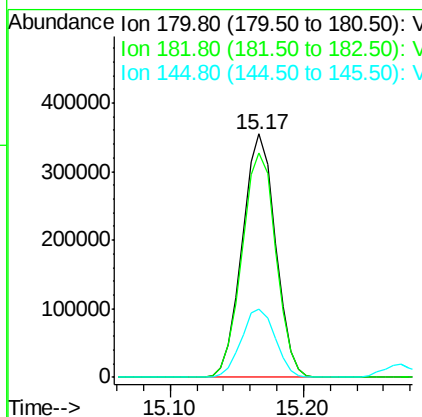
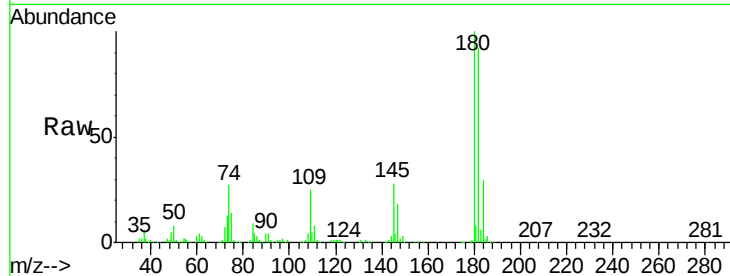
#93
 1,2,4-Trichlorobenzene
 Concen: 106.276 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD065924.D
 Acq: 07 Jul 2020 15:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	608674		
182	94.3	48.5	145.6	
145	28.9	15.0	45.1	

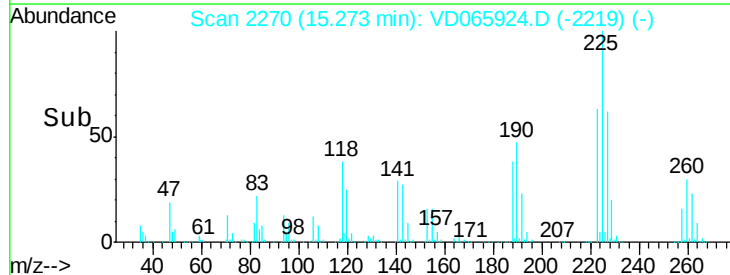
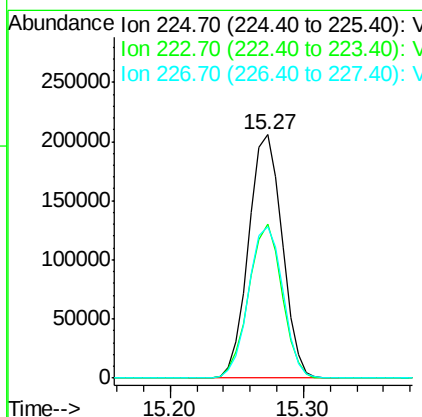
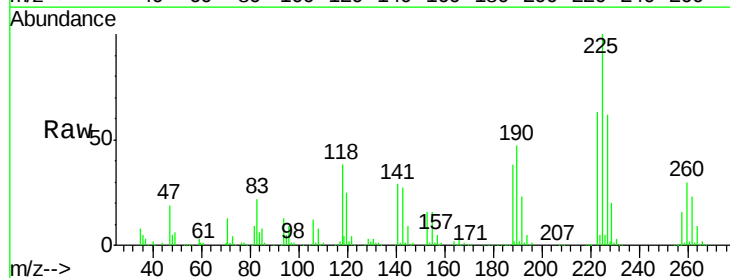
Manual Integrations
 APPROVED

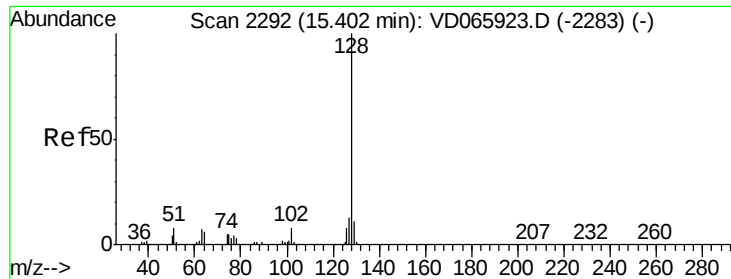
MMDadoda
 7/8/2020 12:05:30 PM



#94
 Hexachlorobutadiene
 Concen: 103.381 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD065924.D
 Acq: 07 Jul 2020 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	358155		
223	62.6	31.1	93.2	
227	63.6	31.6	95.0	





#95

Naphthalene

Concen: 110.863 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VD065924.D

Acq: 07 Jul 2020 15:28

Instrument :

MSVOA_D

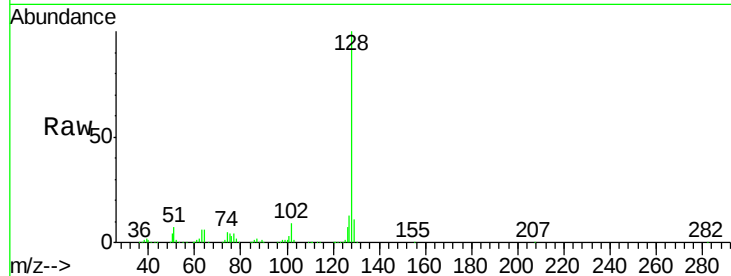
ClientSampleId :

VSTDIC100

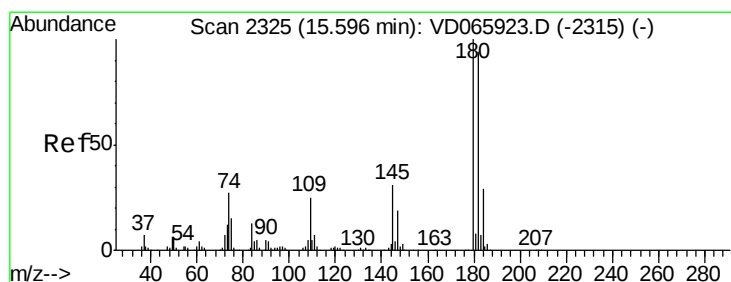
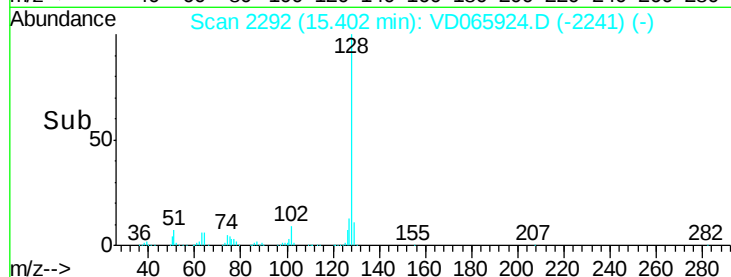
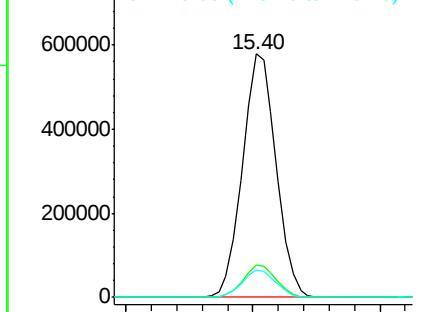
Tot Ion:	128	Resp:	1064886
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.8	16.2
129	11.0	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/8/2020 12:05:30 PM



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



#96

1,2,3-Trichlorobenzene

Concen: 105.206 ug/l

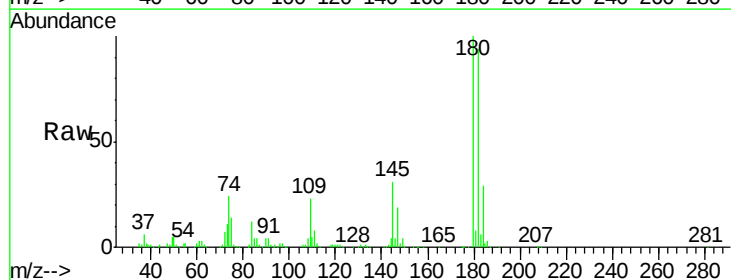
RT: 15.60 min Scan# 2326

Delta R.T. 0.01 min

Lab File: VD065924.D

Acq: 07 Jul 2020 15:28

Tgt Ion:	180	Resp:	519729
Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.6	142.8
145	31.1	16.1	48.2



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

