

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072120\
 Data File : VD065974.D
 Acq On : 21 Jul 2020 11:16
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 7/22/2020 2:44:23 PM

Quant Time: Jul 21 12:14:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:03:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	383245	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	546900	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	500010	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	247944	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	137935	44.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.38%	
35) Dibromofluoromethane	7.92	113	145198	44.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.38%	
50) Toluene-d8	10.34	98	568046	46.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.80%	
62) 4-Bromofluorobenzene	12.64	95	191384	44.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	135784	44.040	ug/l	100
3) Chloromethane	2.21	50	113204	46.493	ug/l	100
4) Vinyl Chloride	2.35	62	111231	47.313	ug/l	100
5) Bromomethane	2.77	94	88147	43.857	ug/l	100
6) Chloroethane	2.92	64	68871	48.612	ug/l	100
7) Trichlorofluoromethane	3.27	101	276396	48.854	ug/l	100
8) Diethyl Ether	3.71	74	75903	52.117	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	166426	49.610	ug/l	100
10) Methyl Iodide	4.30	142	143625	78.372	ug/l	100
11) Tert butyl alcohol	5.23	59	50154	189.500	ug/l	100
12) 1,1-Dichloroethene	4.07	96	159707	50.147	ug/l	100
13) Acrolein	3.92	56	57808	226.047	ug/l	100
14) Allyl chloride	4.71	41	257006	52.573	ug/l	100
15) Acrylonitrile	5.43	53	164040	262.468	ug/l	100
16) Acetone	4.16	43	164639	261.349	ug/l	100
17) Carbon Disulfide	4.41	76	516785	49.688	ug/l	100
18) Methyl Acetate	4.71	43	70054	48.341	ug/l	100
19) Methyl tert-butyl Ether	5.47	73	331565	53.080	ug/l	100
20) Methylene Chloride	4.97	84	176968	40.718	ug/l	100
21) trans-1,2-Dichloroethene	5.47	96	180705	50.237	ug/l	100
22) Diisopropyl ether	6.37	45	489605	52.904	ug/l	100
23) Vinyl Acetate	6.31	43	1400947	275.873	ug/l	100
24) 1,1-Dichloroethane	6.27	63	293524	50.707	ug/l	100
25) 2-Butanone	7.21	43	215008	258.849	ug/l	100
26) 2,2-Dichloropropane	7.21	77	262501	49.407	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	193940	51.456	ug/l	100
28) Bromochloromethane	7.55	49	112419	47.037	ug/l	100
29) Tetrahydrofuran	7.56	42	132471	261.378	ug/l	100
30) Chloroform	7.71	83	300452	50.045	ug/l	100
31) Cyclohexane	7.98	56	276995	47.681	ug/l	100
32) 1,1,1-Trichloroethane	7.90	97	279053	49.676	ug/l	100
36) 1,1-Dichloropropene	8.11	75	241621	50.876	ug/l	100
37) Ethyl Acetate	7.29	43	89987	49.394	ug/l	100
38) Carbon Tetrachloride	8.10	117	262087	52.032	ug/l	100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	303375	53.938	ug/l	100
40) Benzene	8.36	78	674660	51.216	ug/l	100
41) Methacrylonitrile	7.53	41	54042m	39.679	ug/l	
42) 1,2-Dichloroethane	8.43	62	182919	50.524	ug/l	100
43) Isopropyl Acetate	8.46	43	180241	53.751	ug/l	100
44) Trichloroethene	9.11	130	202546	51.112	ug/l	100
45) 1,2-Dichloropropane	9.39	63	164465	52.063	ug/l	100
46) Dibromomethane	9.48	93	87710	50.731	ug/l	100
47) Bromodichloromethane	9.67	83	230810	50.942	ug/l	100
48) Methyl methacrylate	9.46	41	91723	52.517	ug/l	100
49) 1,4-Dioxane	9.47	88	20923	1094.790	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	461589	269.586	ug/l	100
52) Toluene	10.41	92	452224	53.313	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	216415	54.035	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	265850	53.630	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	123304	51.822	ug/l	100
56) Ethyl methacrylate	10.67	69	153314	57.333	ug/l	100
57) 1,3-Dichloropropane	10.95	76	204788	51.733	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	304163	233.044	ug/l	100
59) 2-Hexanone	10.98	43	327927	278.714	ug/l	100
60) Dibromochloromethane	11.14	129	165375	51.437	ug/l	100
61) 1,2-Dibromoethane	11.25	107	120072	52.172	ug/l	100
64) Tetrachloroethene	10.88	164	174882	51.162	ug/l	100
65) Chlorobenzene	11.67	112	473251	51.308	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	177184	51.917	ug/l	100
67) Ethyl Benzene	11.75	91	824474	52.115	ug/l	100
68) m/p-Xylenes	11.86	106	644637	105.368	ug/l	100
69) o-Xylene	12.18	106	295621	54.279	ug/l	100
70) Styrene	12.20	104	506608	53.737	ug/l	100
71) Bromoform	12.37	173	98990	51.611	ug/l #	100
73) Isopropylbenzene	12.48	105	815552	54.917	ug/l	100
74) N-amyl acetate	12.29	43	168381	56.373	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	127830	52.043	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	92908m	42.160	ug/l	
77) Bromobenzene	12.77	156	198489	51.777	ug/l	100
78) n-propylbenzene	12.83	91	945472	54.335	ug/l	100
79) 2-Chlorotoluene	12.91	91	529440	53.301	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	673498	54.446	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	42229	53.770	ug/l	100
82) 4-Chlorotoluene	13.01	91	558226	52.904	ug/l	100
83) tert-Butylbenzene	13.23	119	592431	55.147	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	655007	53.987	ug/l	100
85) sec-Butylbenzene	13.41	105	806263	54.282	ug/l	100
86) p-Isopropyltoluene	13.52	119	741308	55.427	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	367962	50.845	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	368695	50.831	ug/l	100
89) n-Butylbenzene	13.85	91	683204	55.227	ug/l	100
90) Hexachloroethane	14.12	117	144207	52.525	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	322591	52.060	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	20500	52.392	ug/l	100

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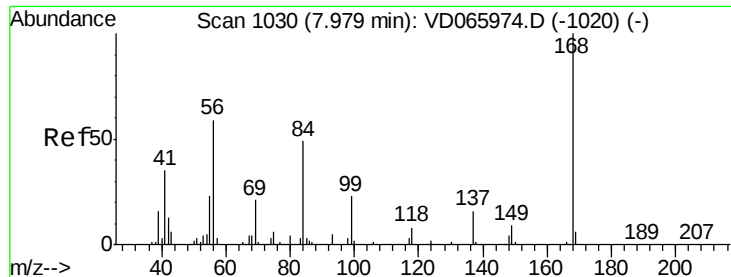
Manual Integrations
APPROVED

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7/22/2020 2:44:23 PM

Quant Time: Jul 21 12:14:00 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	232002	53.881	ug/l	100
94) Hexachlorobutadiene	15.27	225	143866	53.359	ug/l	100
95) Naphthalene	15.41	128	379063	57.653	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	201462	53.463	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD065974.D

Acq: 21 Jul 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 383245

Ion Ratio Lower Upper

168 100

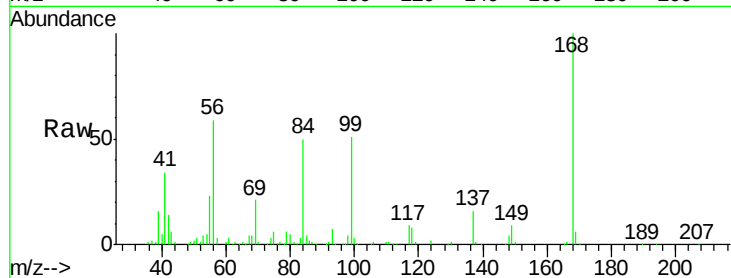
99 51.0 40.8 61.2

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

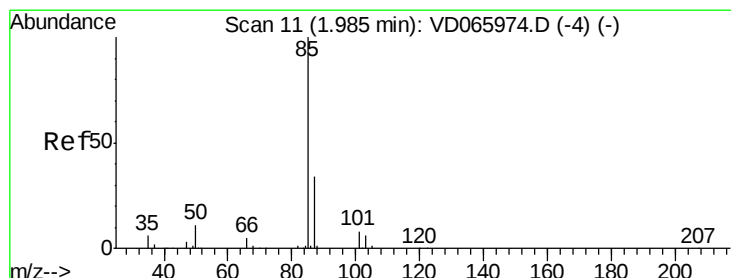
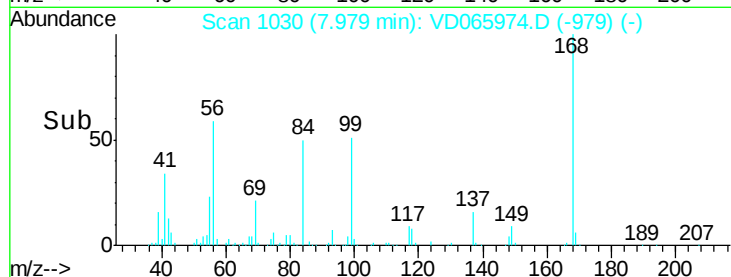
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 44.040 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065974.D

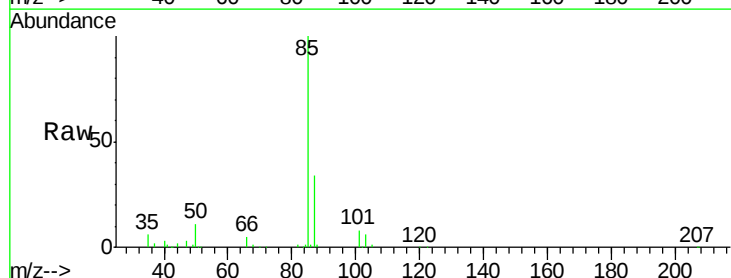
Acq: 21 Jul 2020 11:16

Tgt Ion: 85 Resp: 135784

Ion Ratio Lower Upper

85 100

87 34.5 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

100000

80000

60000

40000

20000

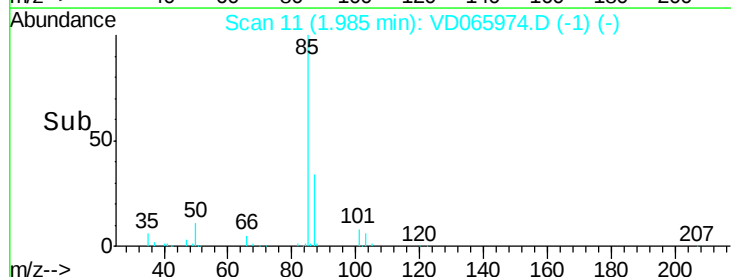
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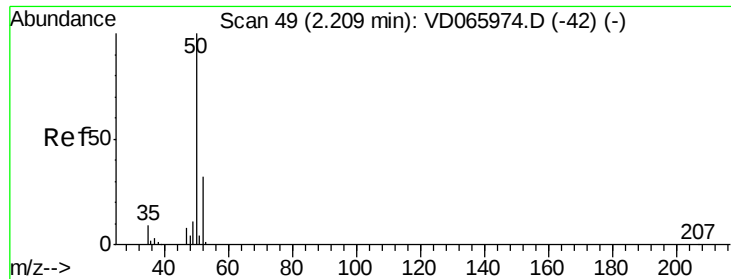
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 46.493 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065974.D

Acq: 21 Jul 2020 11:16

Tot Ion: 50 Resp: 113204

Ion Ratio Lower Upper

50 100

52 32.3 25.8 38.8

Instrument :

MSVOA_D

ClientSampleId :

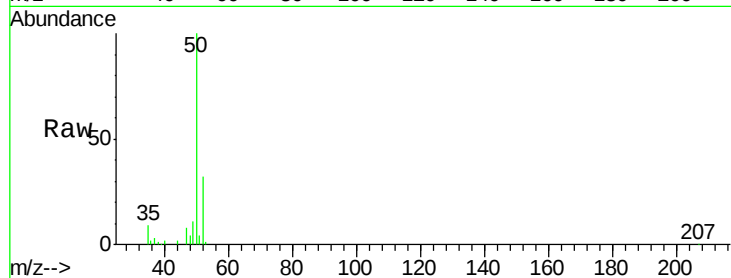
VSTDICCC050

Manual Integrations

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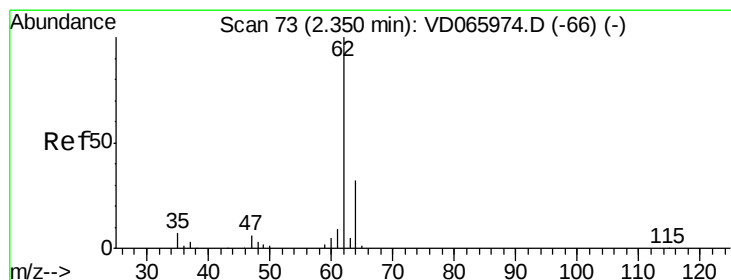
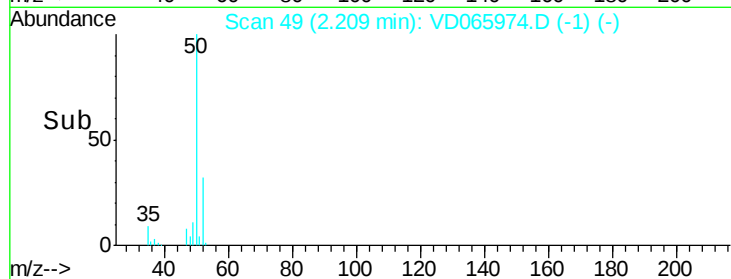
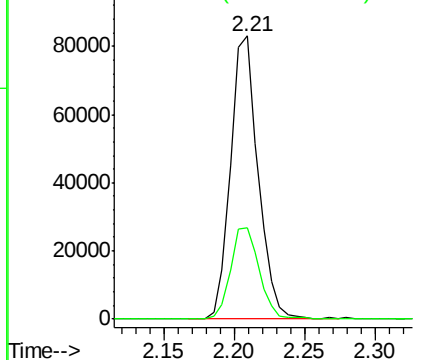
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 47.313 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065974.D

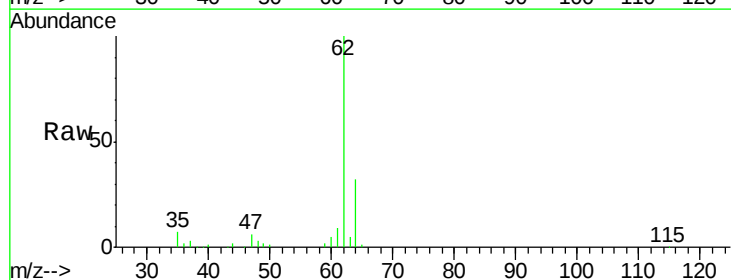
Acq: 21 Jul 2020 11:16

Tgt Ion: 62 Resp: 111231

Ion Ratio Lower Upper

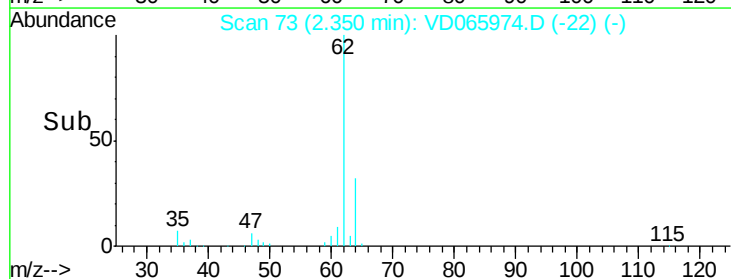
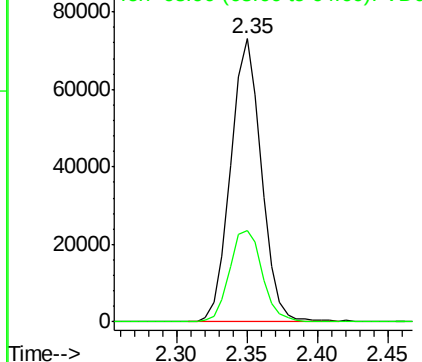
62 100

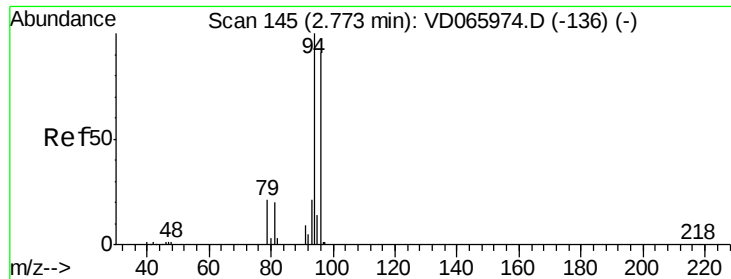
64 32.3 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 43.857 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065974.D

Acq: 21 Jul 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 88147

Ion Ratio Lower Upper

94 100

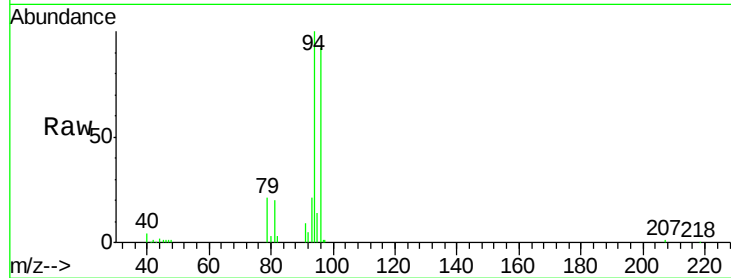
96 91.2 73.0 109.4

Manual Integrations

APPROVED

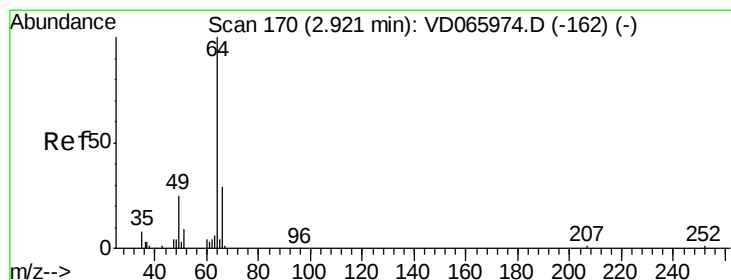
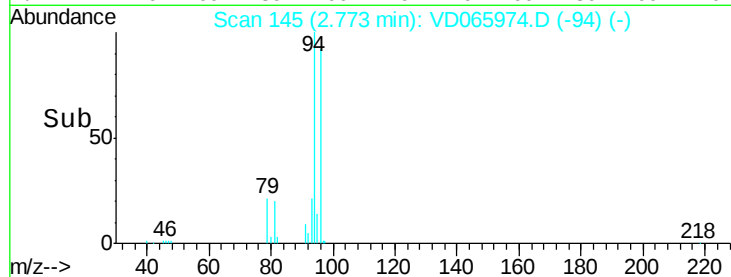
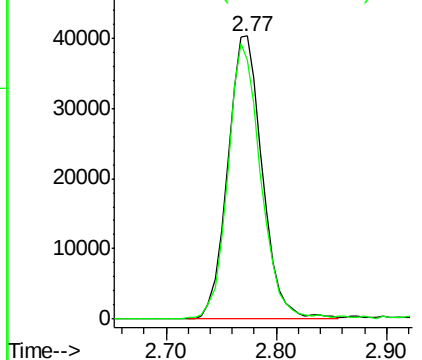
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 48.612 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD065974.D

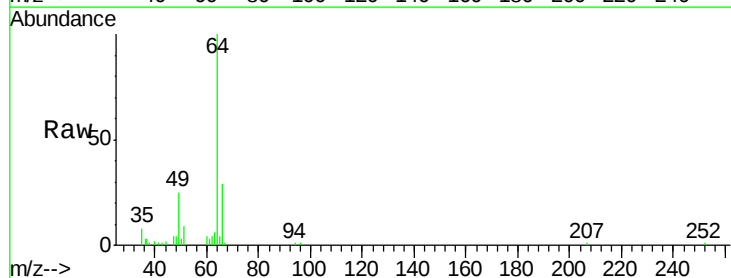
Acq: 21 Jul 2020 11:16

Tgt Ion: 64 Resp: 68871

Ion Ratio Lower Upper

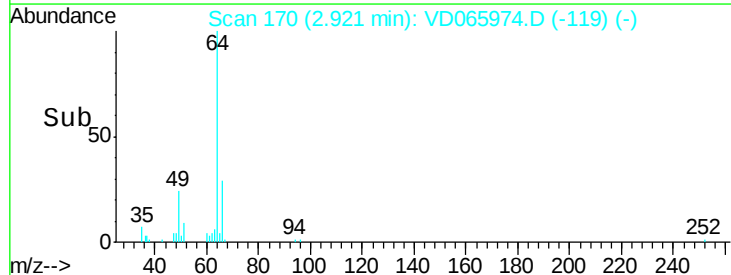
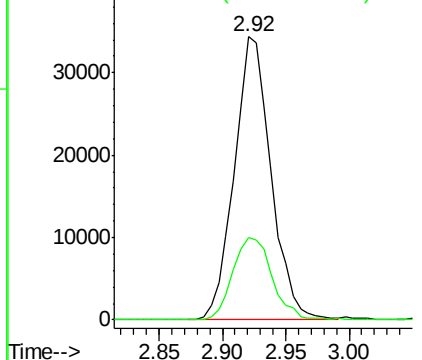
64 100

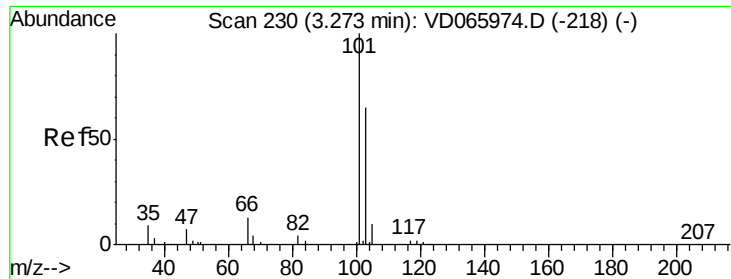
66 29.2 23.4 35.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

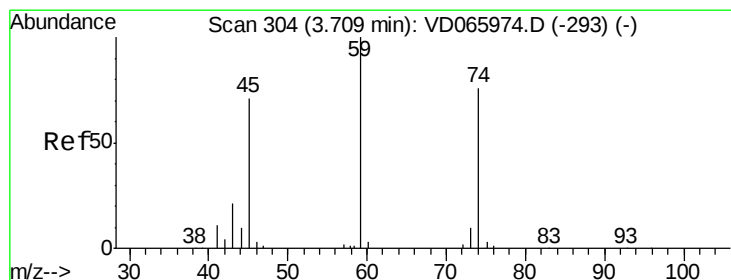
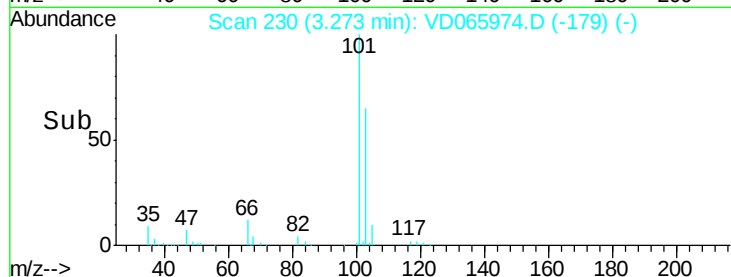
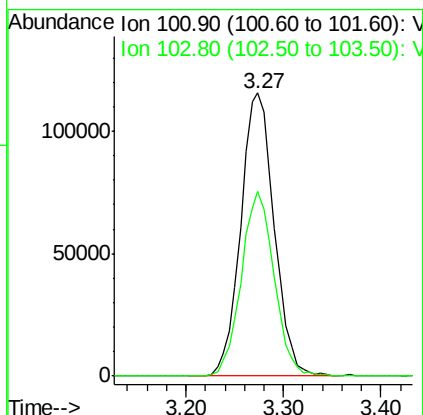
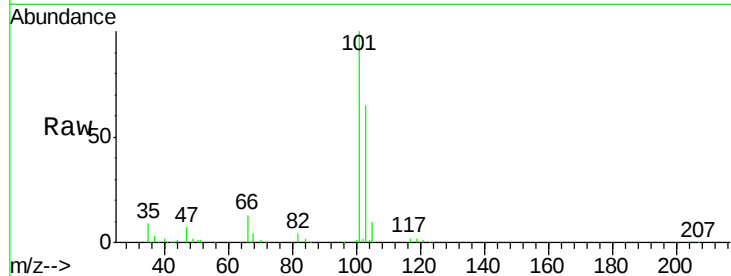
Trichlorofluoromethane
Concen: 48.854 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065974.D
Acq: 21 Jul 2020 11:16

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VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	52.1	78.1

Manual Integrations
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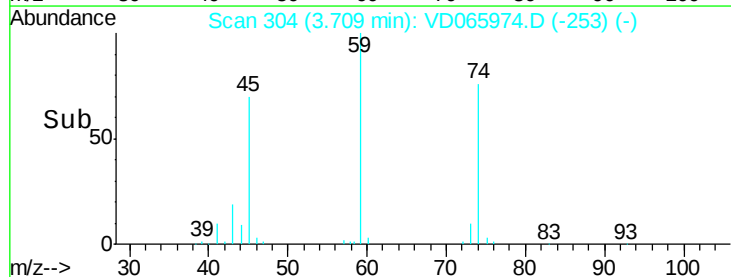
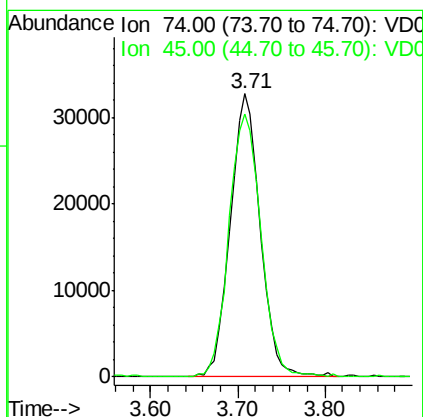
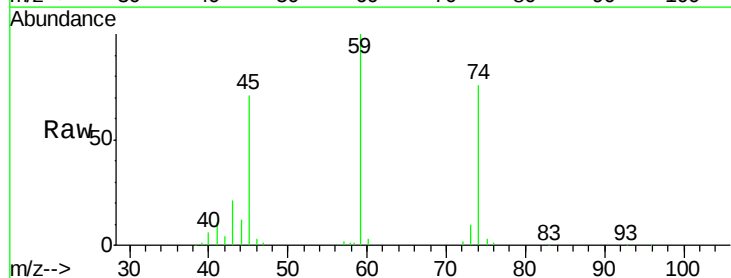
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7/22/2020 2:44:23 PM

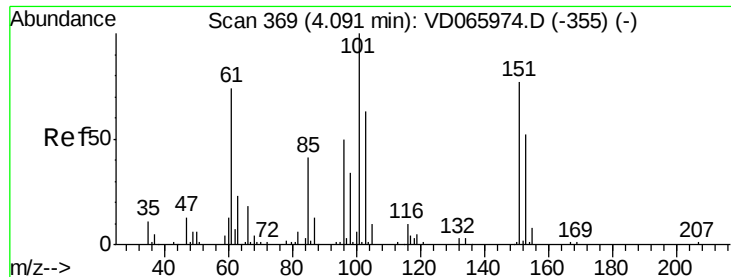


#8

Diethyl Ether
Concen: 52.117 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065974.D
Acq: 21 Jul 2020 11:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.7	49.9	149.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.610 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD065974.D

Acq: 21 Jul 2020 11:16

Instrument :

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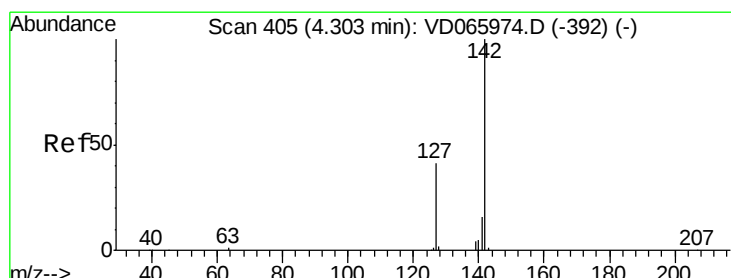
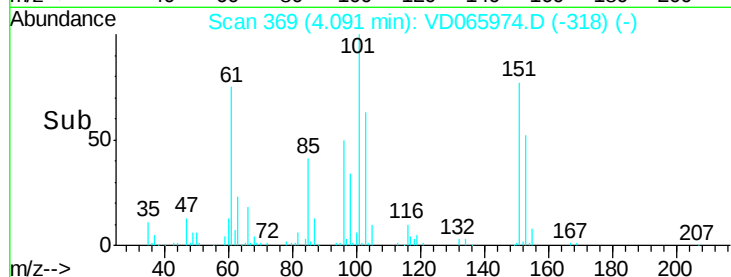
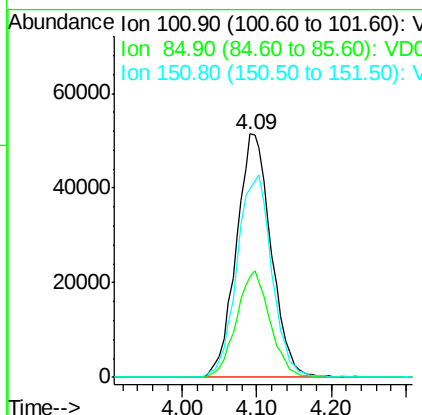
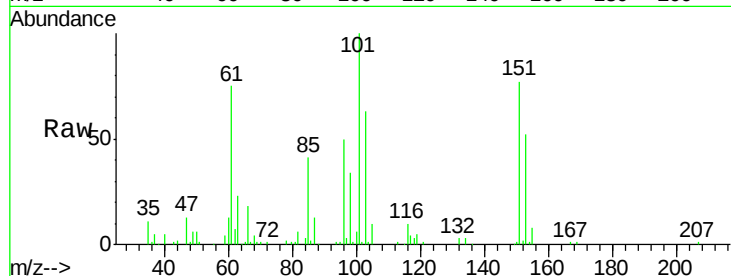
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	166426
Ion Ratio	Lower	Upper	
101	100		
85	42.0	33.6	50.4
151	83.2	66.6	99.8

Manual Integrations
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#10

Methyl Iodide

Concen: 78.372 ug/l

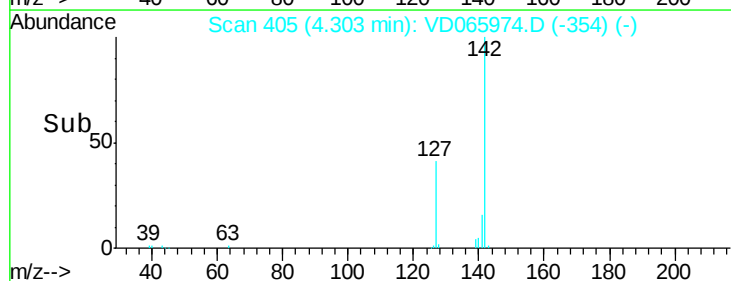
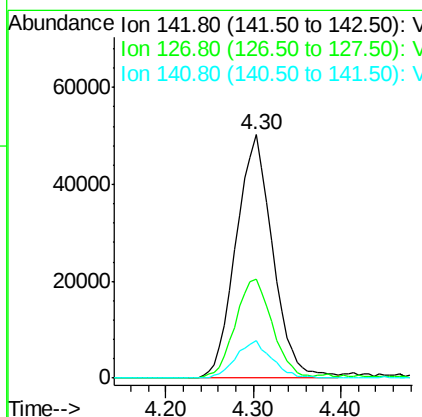
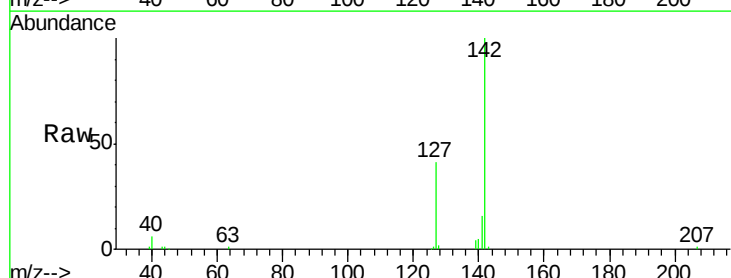
RT: 4.30 min Scan# 405

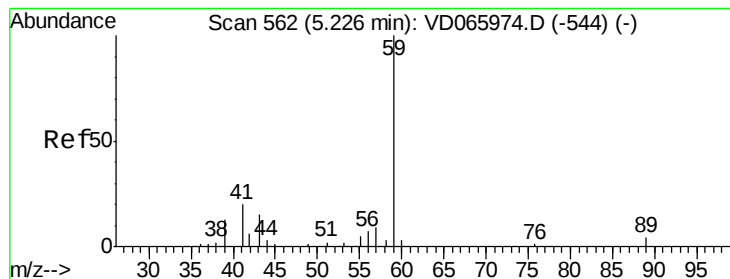
Delta R.T. 0.00 min

Lab File: VD065974.D

Acq: 21 Jul 2020 11:16

Tgt Ion:	142	Resp:	143625
Ion Ratio	Lower	Upper	
142	100		
127	41.1	32.9	49.3
141	14.7	11.8	17.6





#11

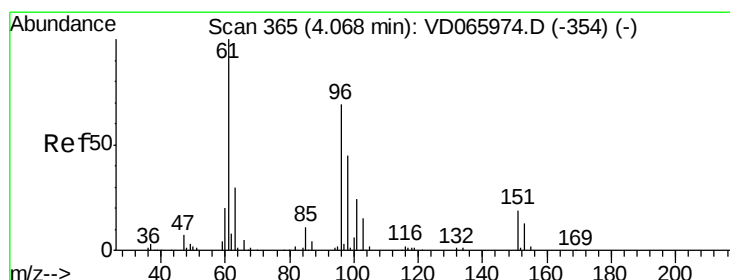
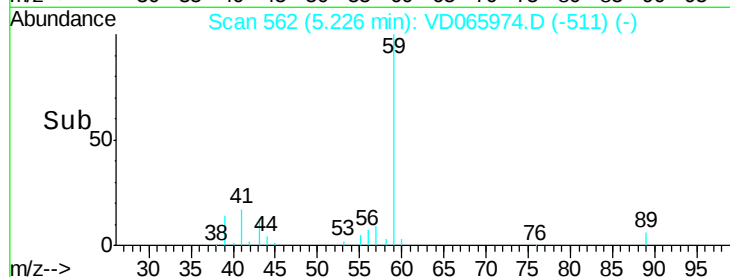
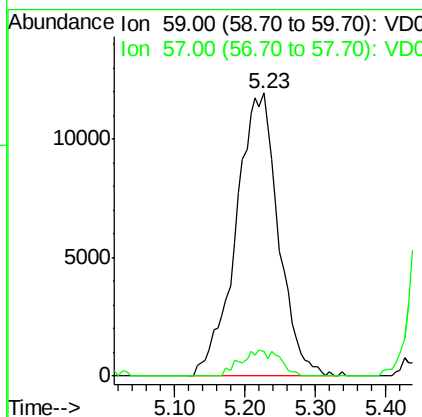
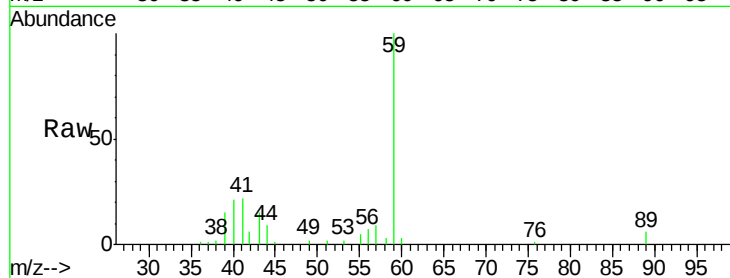
Tert butyl alcohol
 Concen: 189.500 ug/l
 RT: 5.23 min Scan# 562
 Delta R.T. 0.00 min
 Lab File: VD065974.D
 Acq: 21 Jul 2020 11:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	59	57	Ratio	100	5.6	Resp	50154	Lower	Upper
59	100								
57		5.6				4.5		6.7	

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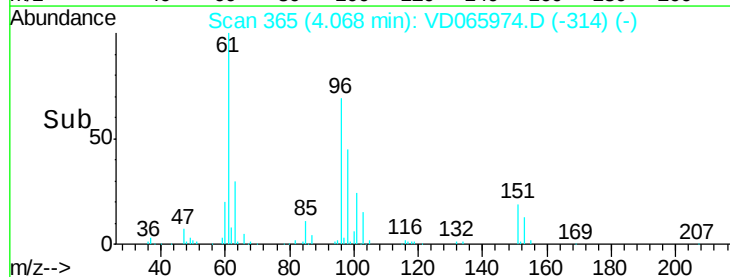
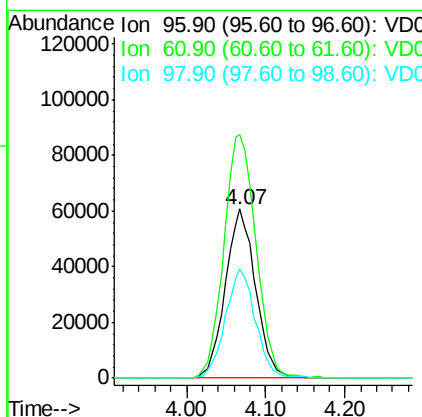
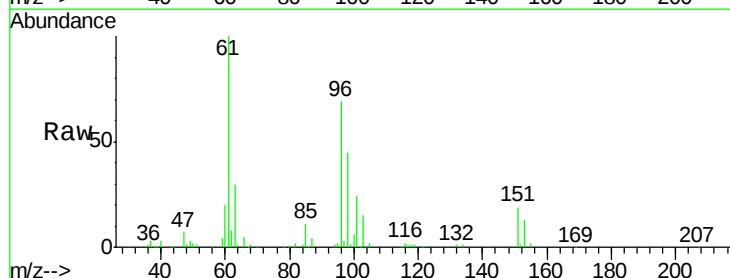
MMDadoda
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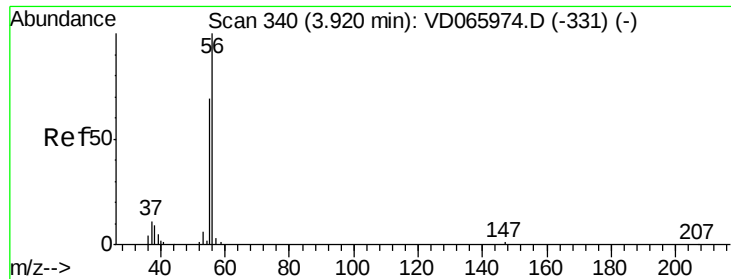


#12

1,1-Dichloroethene
 Concen: 50.147 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD065974.D
 Acq: 21 Jul 2020 11:16

Tgt Ion	96	61	98	Ratio	100	144.2	64.4	Resp	159707	Lower	Upper
96	100										
61		144.2				115.4		173.0			
98		64.4				51.5		77.3			





#13

Acrolein

Concen: 226.047 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD065974.D

Acq: 21 Jul 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 57808

Ion Ratio Lower Upper

56 100

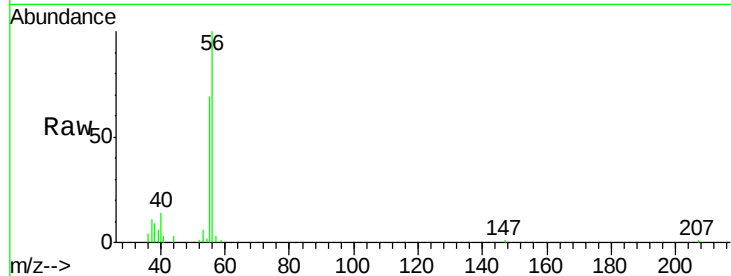
55 69.8 55.8 83.8

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

25000

20000

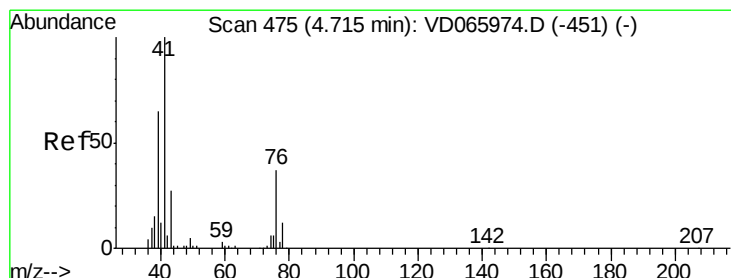
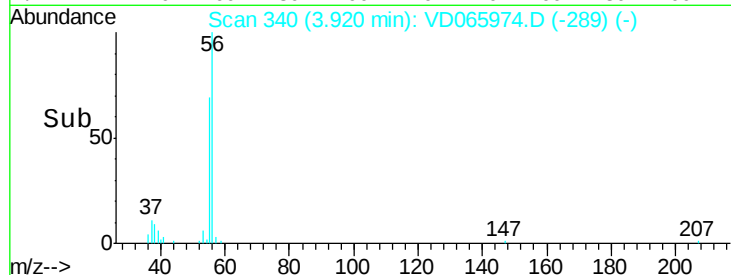
15000

10000

5000

0

Time--> 3.80 3.90 4.00



#14

Allyl chloride

Concen: 52.573 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065974.D

Acq: 21 Jul 2020 11:16

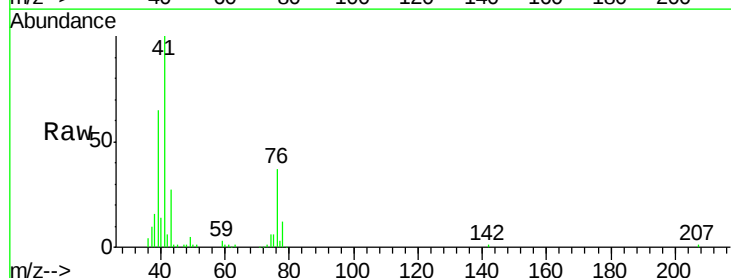
Tgt Ion: 41 Resp: 257006

Ion Ratio Lower Upper

41 100

39 66.8 53.4 80.2

76 36.4 29.1 43.7



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

100000

80000

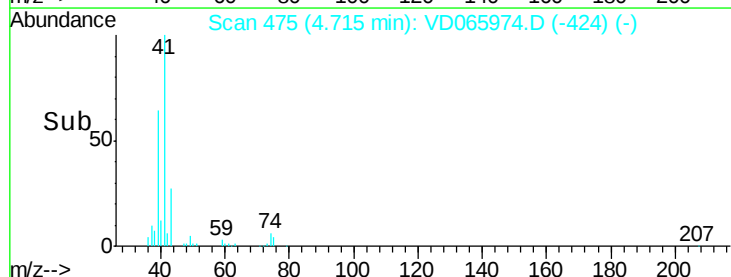
60000

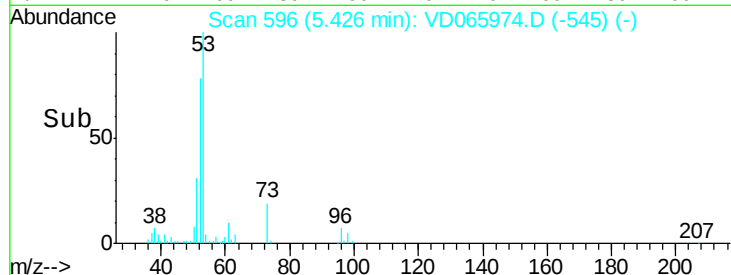
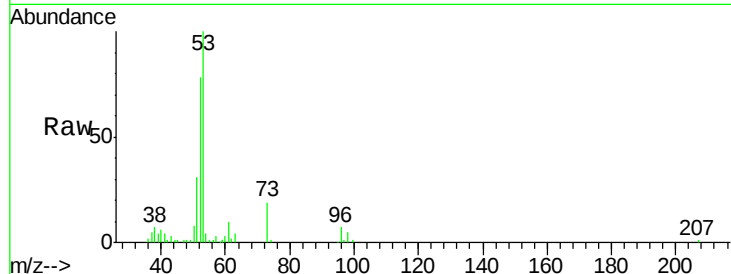
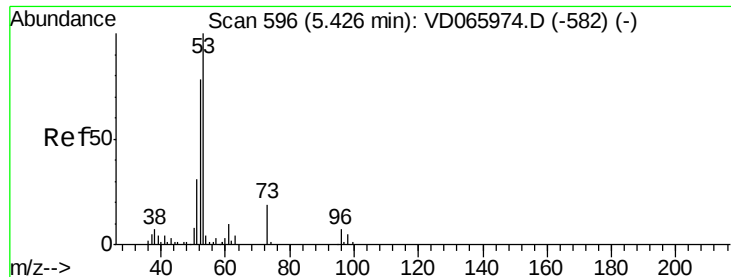
40000

20000

0

Time--> 4.50 4.60 4.70 4.80 4.90





#15

Acrylonitrile

Concen: 262.468 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD065974.D

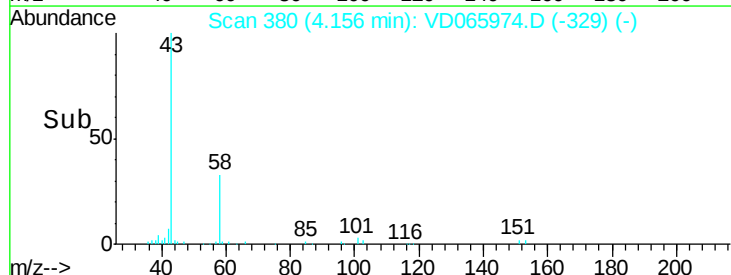
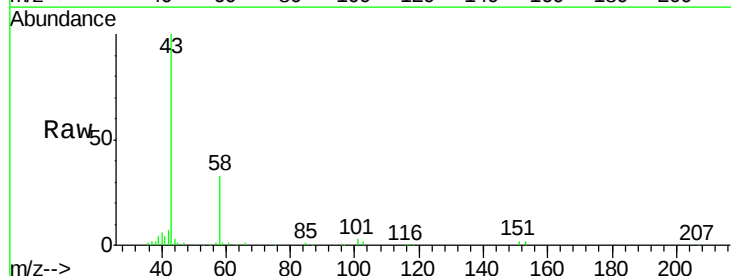
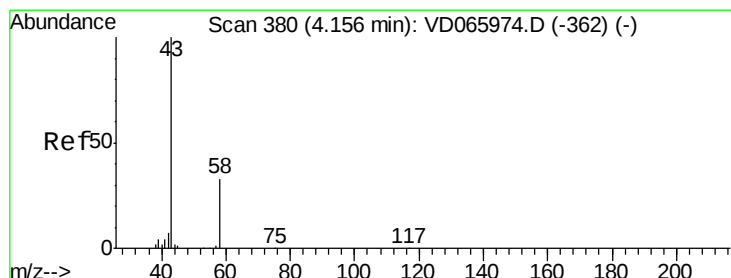
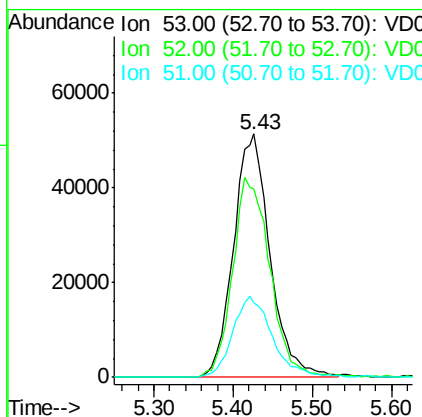
Acq: 21 Jul 2020 11:16

Tot Ion:	53	Resp:	164040
Ion Ratio	Lower	Upper	
53	100		
52	83.9	67.1	100.7
51	35.9	28.7	43.1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

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#16

Acetone

Concen: 261.349 ug/l

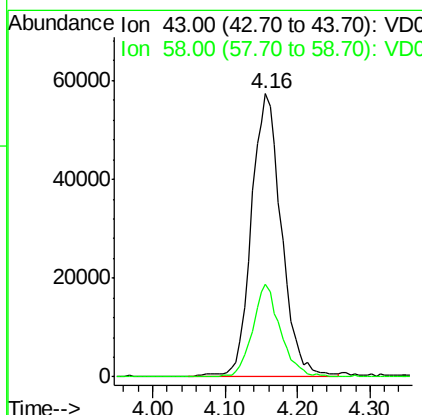
RT: 4.16 min Scan# 380

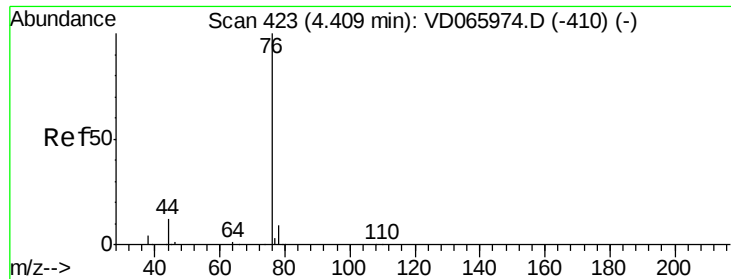
Delta R.T. 0.00 min

Lab File: VD065974.D

Acq: 21 Jul 2020 11:16

Tgt Ion:	43	Resp:	164639
Ion Ratio	Lower	Upper	
43	100		
58	32.9	26.3	39.5





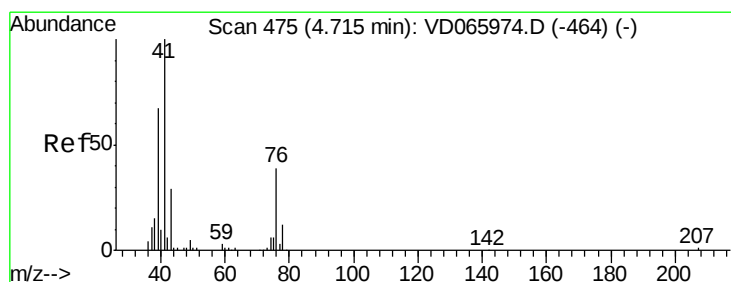
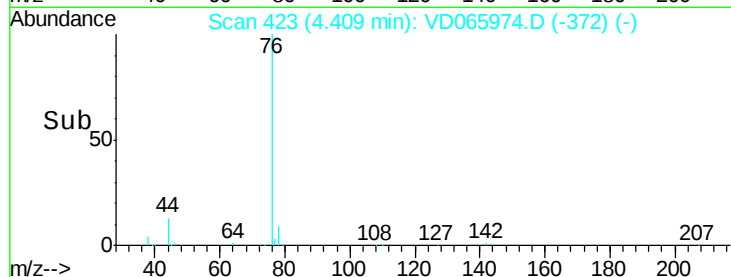
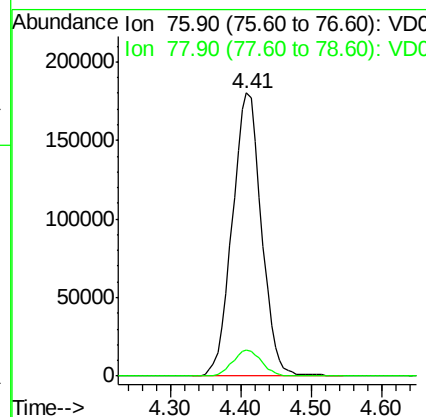
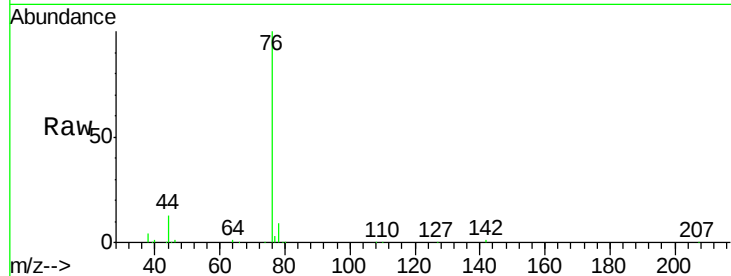
#17
Carbon Disulfide
Concen: 49.688 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD065974.D
Acq: 21 Jul 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.2

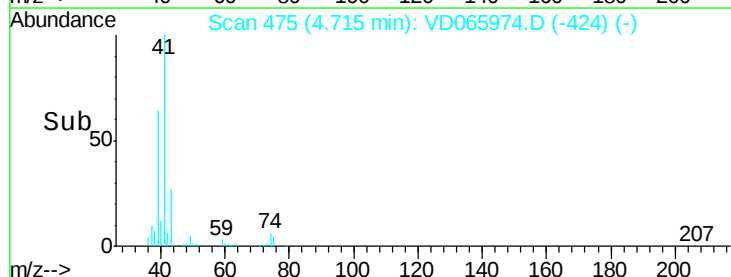
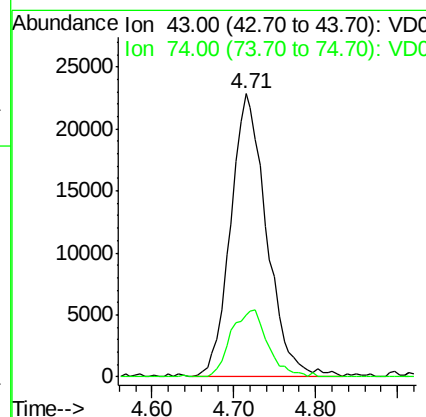
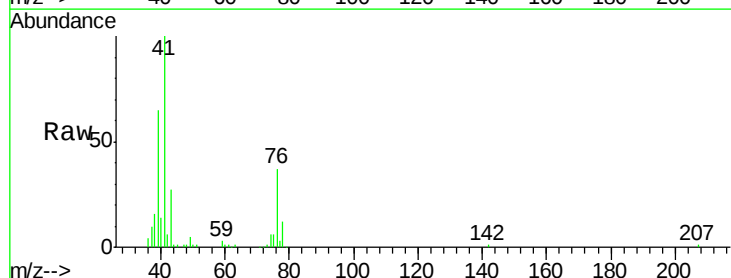
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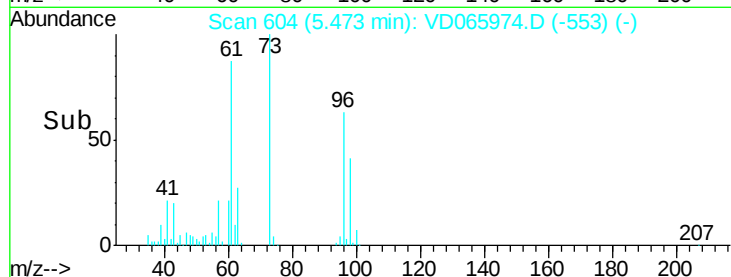
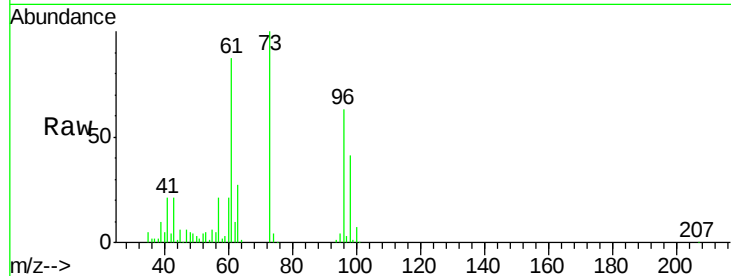
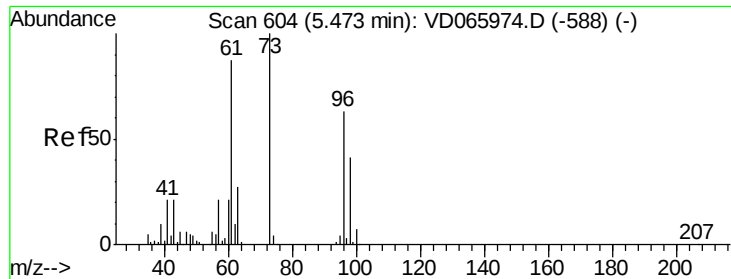
MMDadoda
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#18
Methyl Acetate
Concen: 48.341 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD065974.D
Acq: 21 Jul 2020 11:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.2	28.8





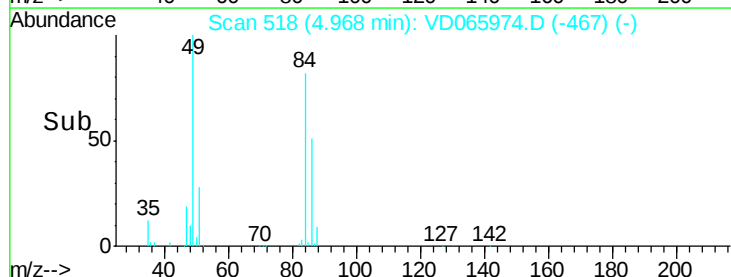
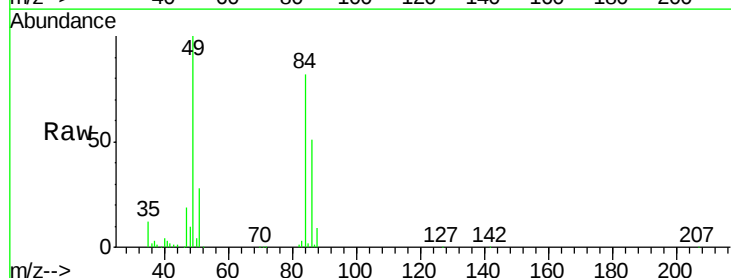
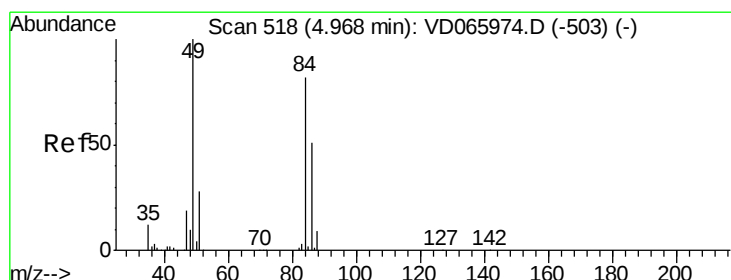
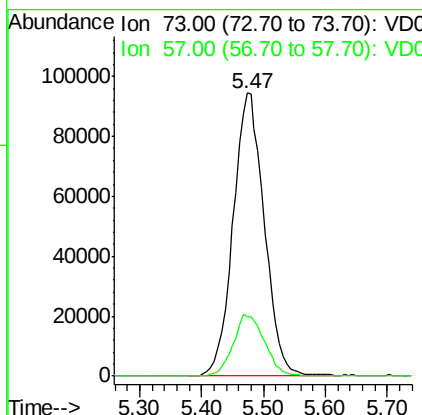
#19
Methyl tert-butyl Ether
Concen: 53.080 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD065974.D
Acq: 21 Jul 2020 11:16

Tot Ion: 73 Resp: 331565
Ion Ratio Lower Upper
73 100
57 21.2 17.0 25.4

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

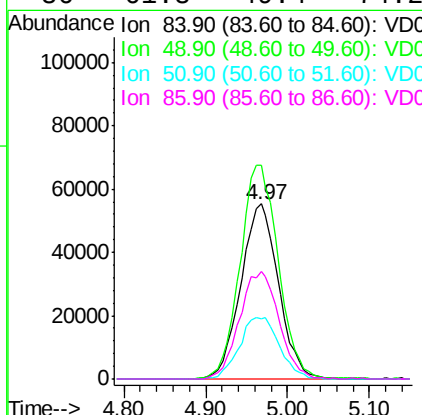
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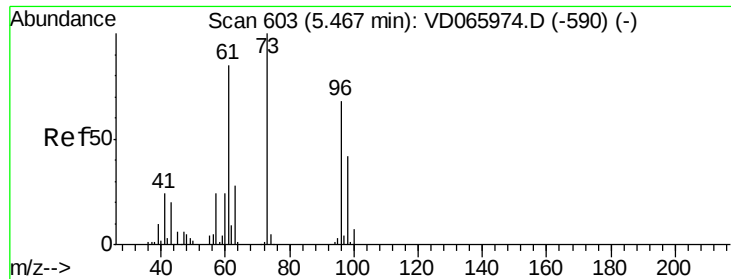
MMDadoda
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#20
Methylene Chloride
Concen: 40.718 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065974.D
Acq: 21 Jul 2020 11:16

Tgt Ion: 84 Resp: 176968
Ion Ratio Lower Upper
84 100
49 122.1 97.7 146.5
51 34.3 27.4 41.2
86 61.8 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 50.237 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD065974.D

Acq: 21 Jul 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 180705

Ion Ratio Lower Upper

96 100

61 125.6 100.5 150.7

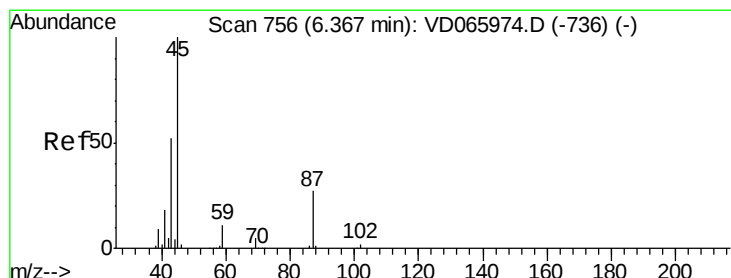
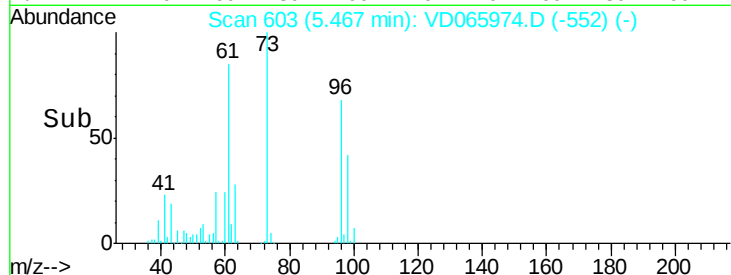
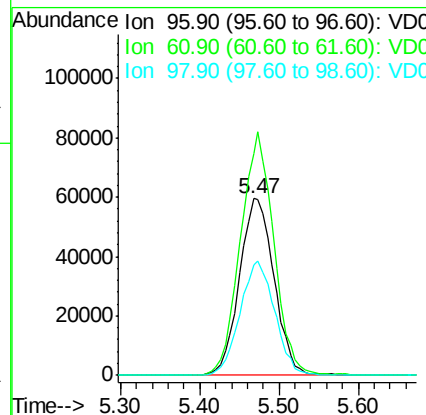
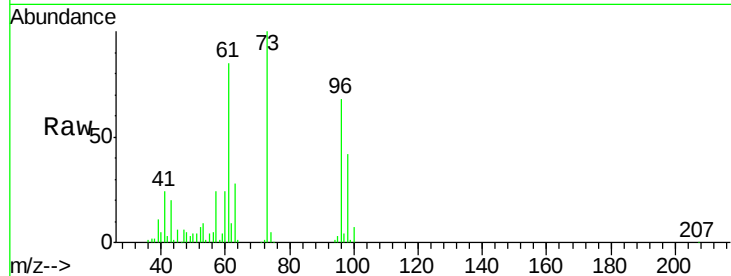
98 62.1 49.7 74.5

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#22

Diisopropyl ether

Concen: 52.904 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD065974.D

Acq: 21 Jul 2020 11:16

Tgt Ion: 45 Resp: 489605

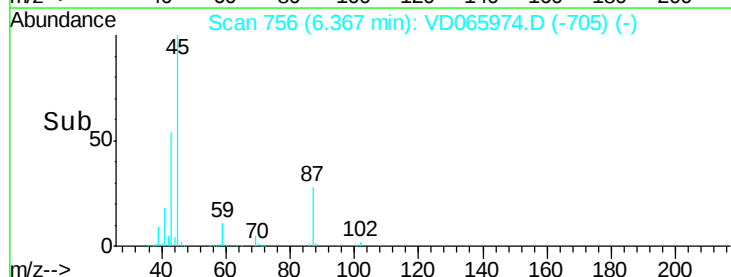
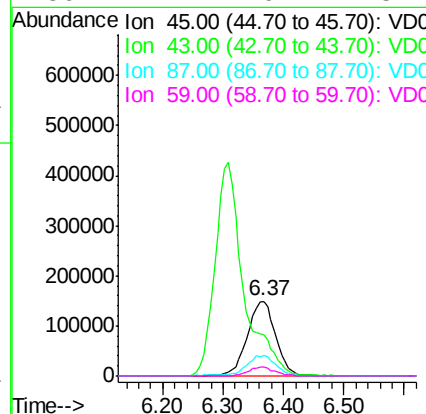
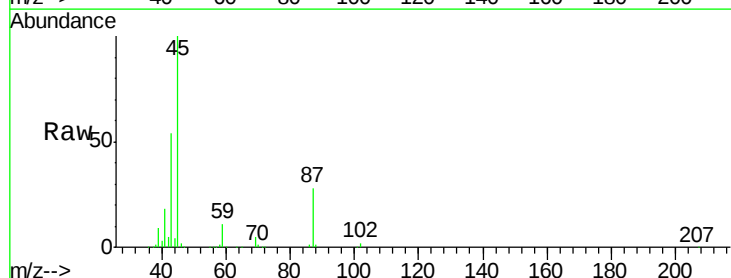
Ion Ratio Lower Upper

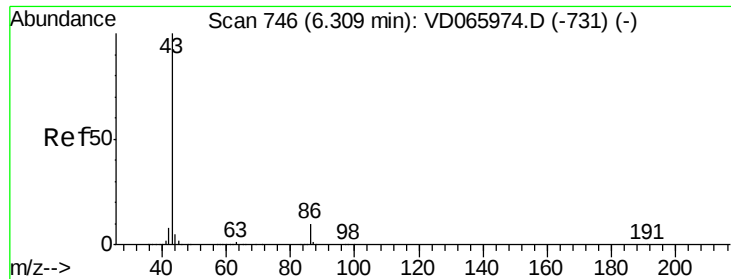
45 100

43 53.7 43.0 64.4

87 27.5 22.0 33.0

59 11.4 9.1 13.7





#23

Vinyl Acetate

Concen: 275.873 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065974.D

Acq: 21 Jul 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1400947

Ion Ratio Lower Upper

43 100

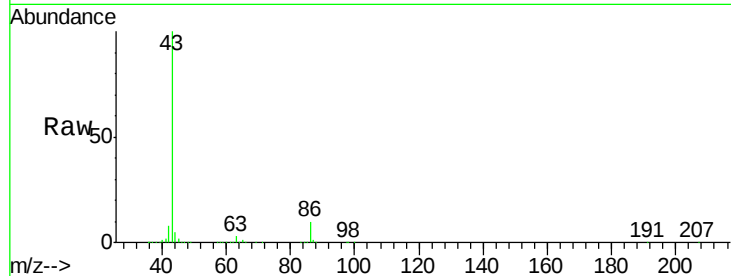
86 9.9 7.9 11.9

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

400000

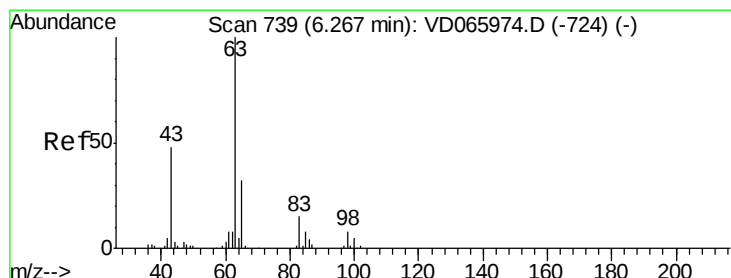
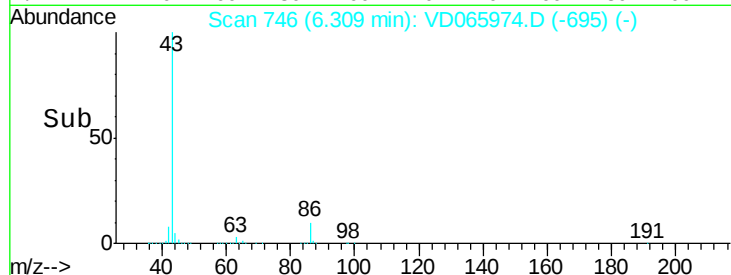
300000

200000

100000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 50.707 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065974.D

Acq: 21 Jul 2020 11:16

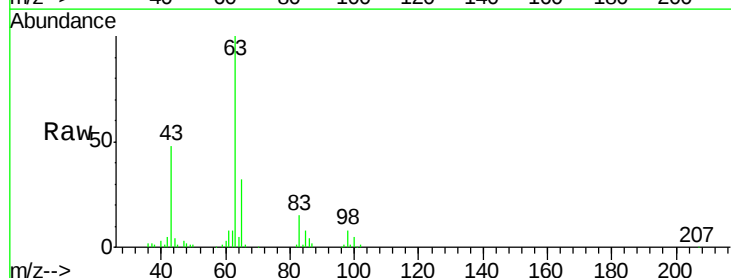
Tgt Ion: 63 Resp: 293524

Ion Ratio Lower Upper

63 100

98 8.5 4.3 12.8

100 5.0 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

6.27

120000

100000

80000

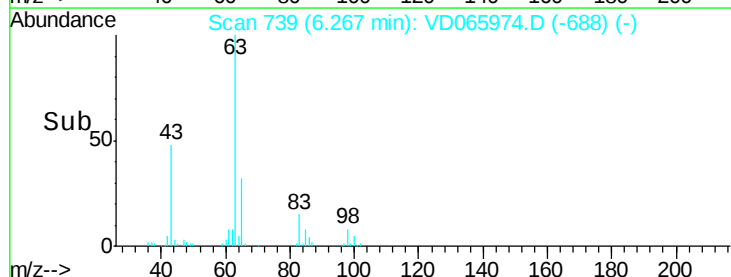
60000

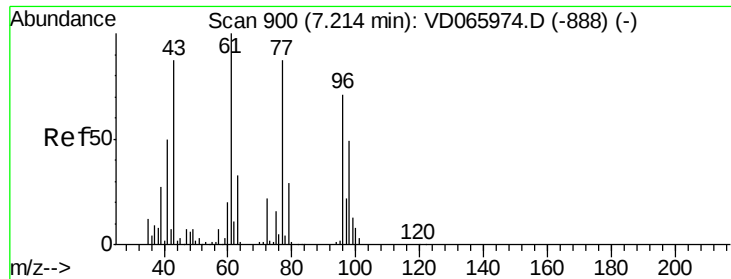
40000

20000

0

Time--> 6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 258.849 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065974.D

Acq: 21 Jul 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 215008

Ion Ratio Lower Upper

43 100

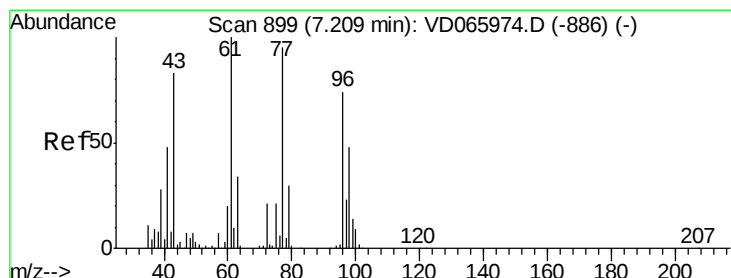
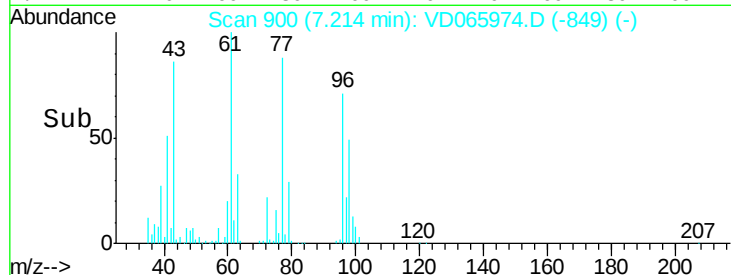
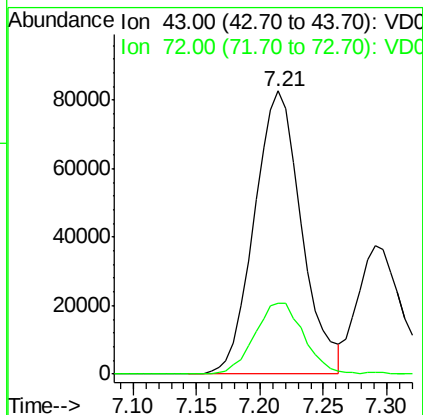
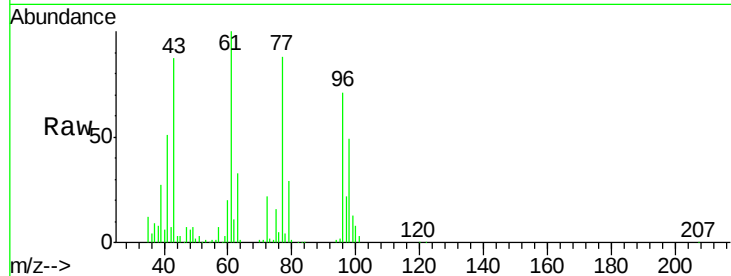
72 25.2 20.2 30.2

Manual Integrations

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MMDadoda

7/22/2020 2:44:23 PM



#26

2,2-Dichloropropane

Concen: 49.407 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065974.D

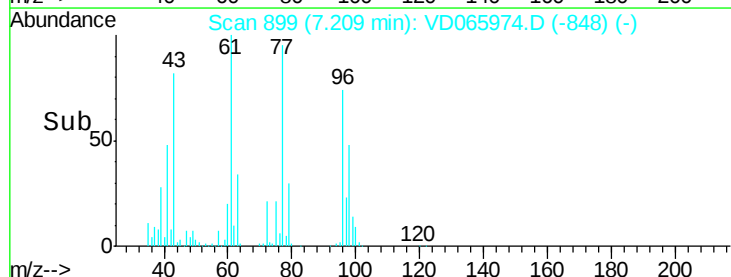
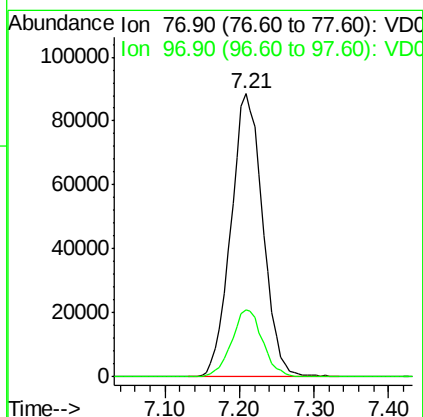
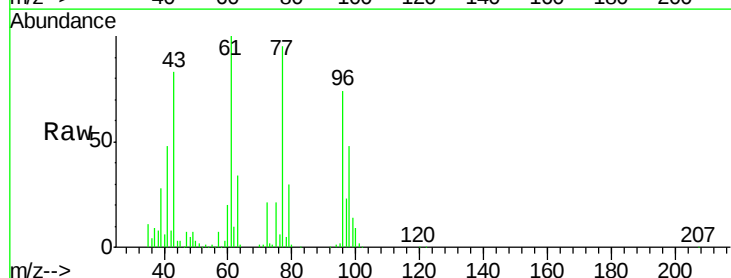
Acq: 21 Jul 2020 11:16

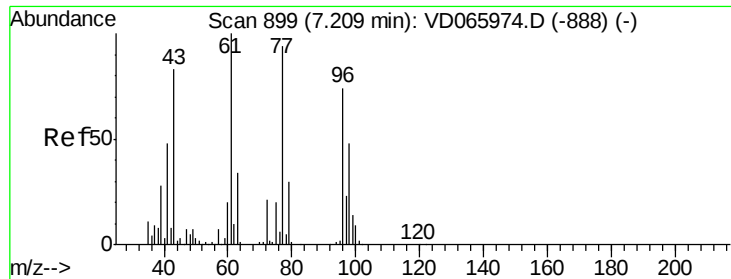
Tgt Ion: 77 Resp: 262501

Ion Ratio Lower Upper

77 100

97 23.1 11.6 34.7





#27

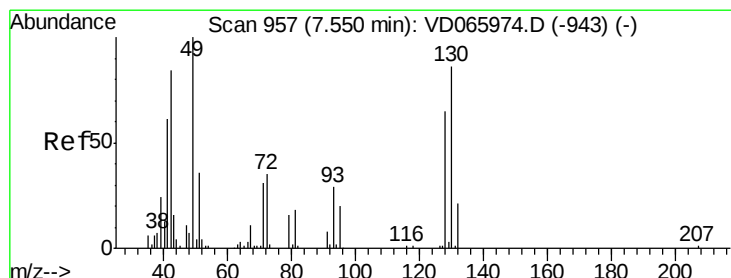
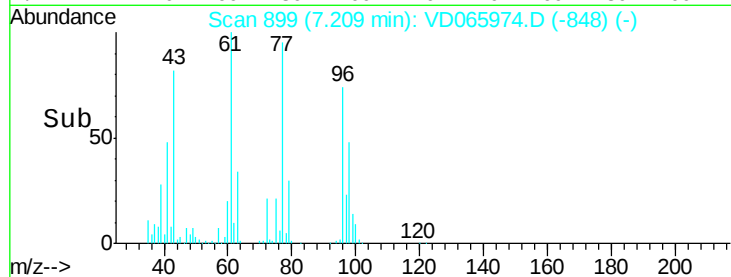
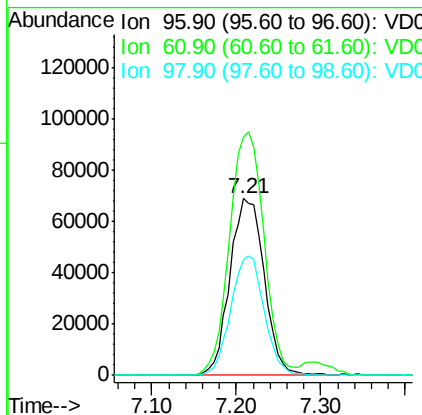
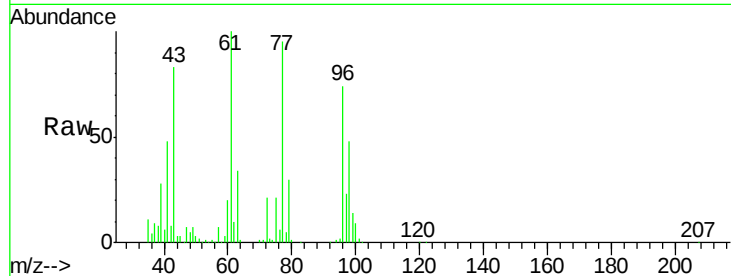
cis-1,2-Dichloroethene
Concen: 51.456 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD065974.D
Acq: 21 Jul 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	193940		
61	138.3	0.0	276.6	
98	65.4	0.0	130.8	

Manual Integrations
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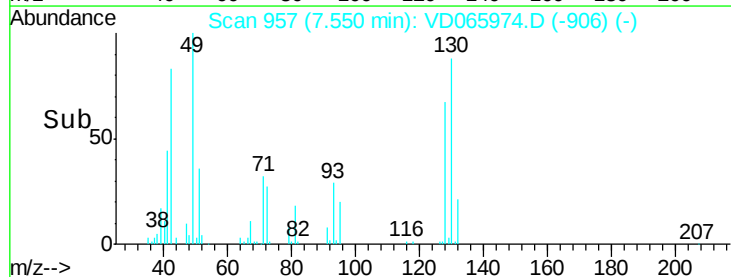
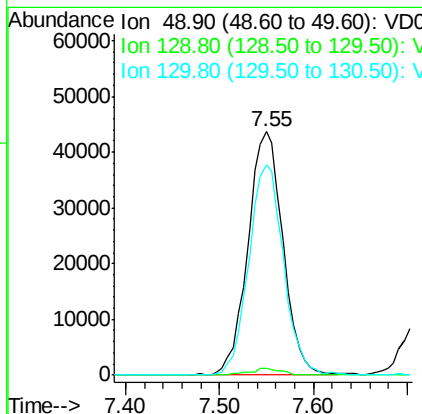
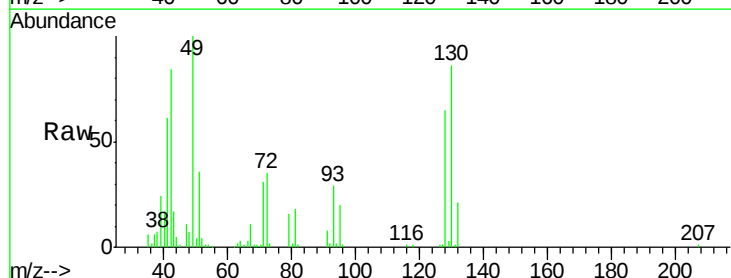
MMDadoda
7/22/2020 2:44:23 PM

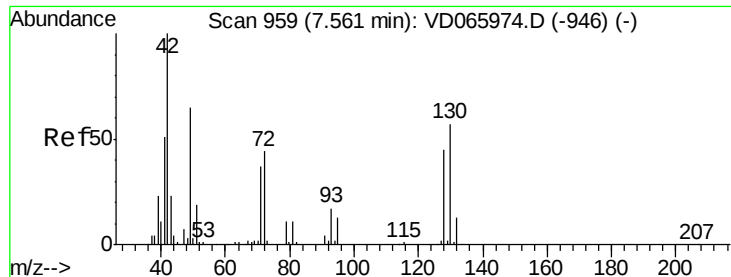


#28

Bromochloromethane
Concen: 47.037 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD065974.D
Acq: 21 Jul 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	112419		
129	2.4	0.0	4.8	
130	85.5	68.4	102.6	





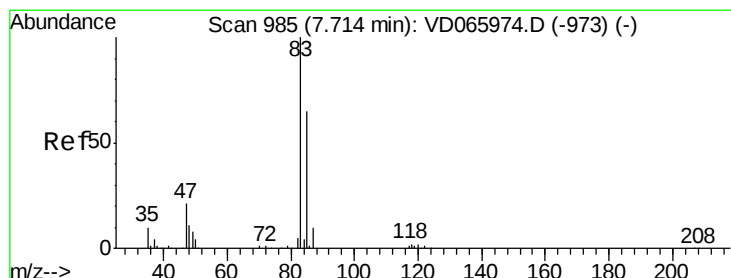
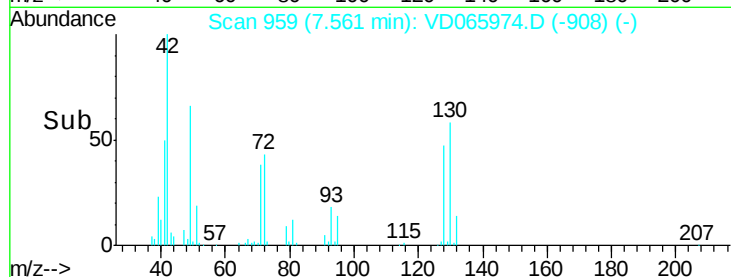
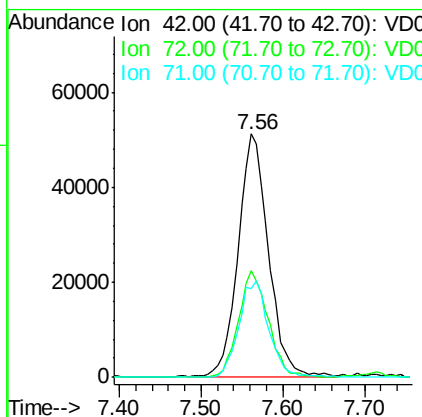
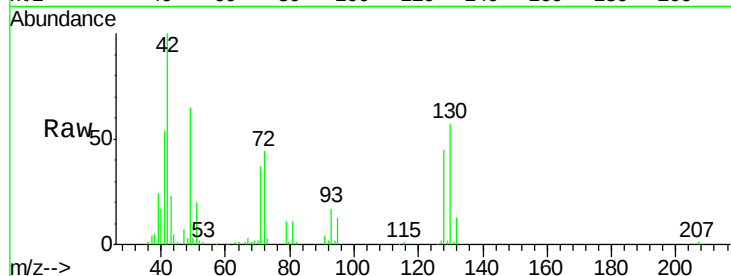
#29
Tetrahydrofuran
Concen: 261.378 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD065974.D
Acq: 21 Jul 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.2	51.2
71	39.3	31.4	47.2

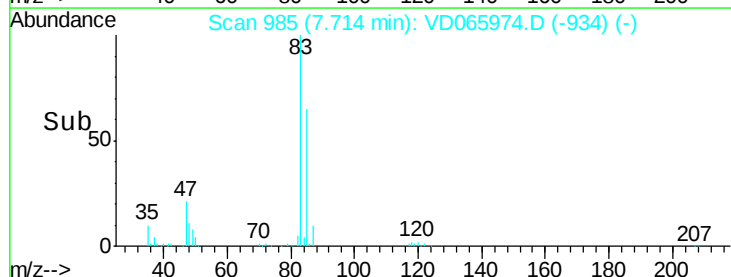
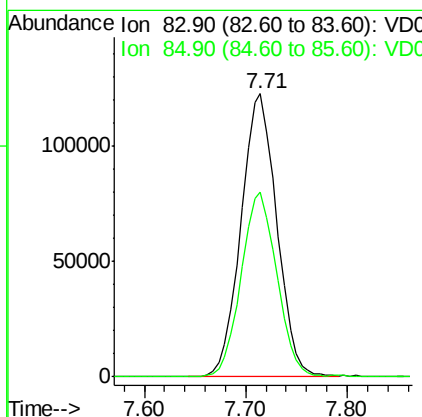
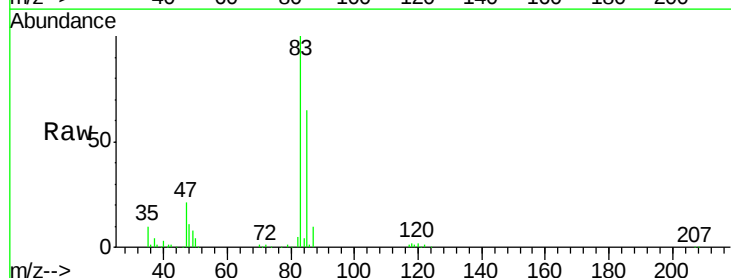
Manual Integrations
APPROVED

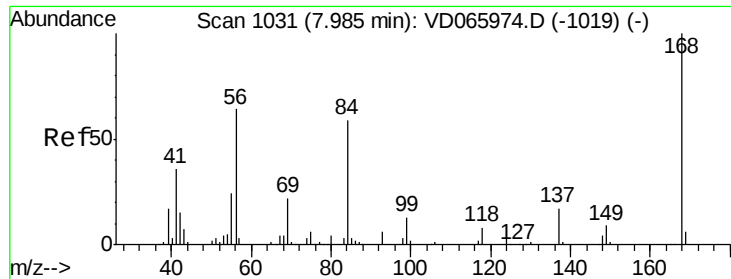
MMDadoda
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#30
Chloroform
Concen: 50.045 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065974.D
Acq: 21 Jul 2020 11:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.1	78.1





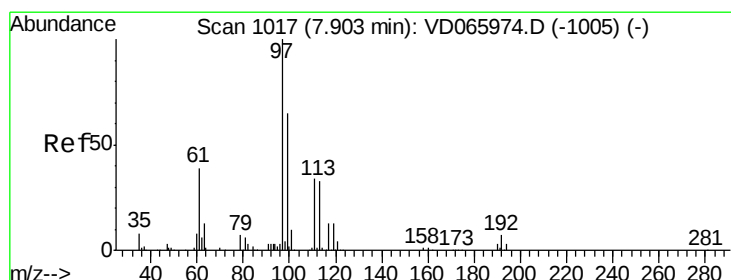
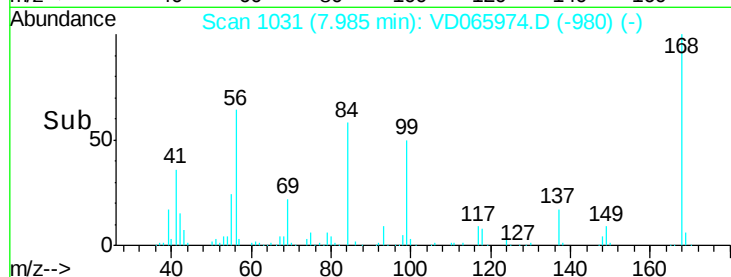
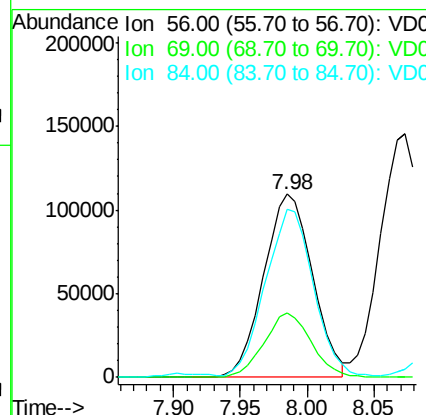
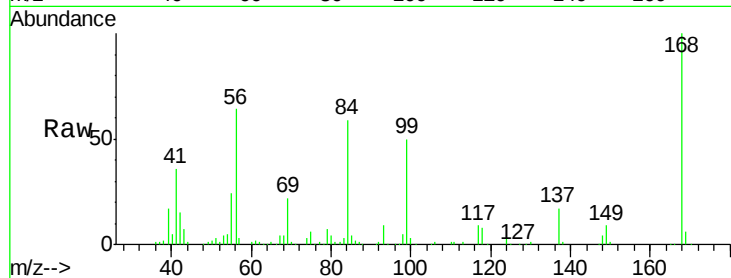
#31
Cyclohexane
Concen: 47.681 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065974.D
Acq: 21 Jul 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.0	28.0	42.0
84	90.8	72.6	109.0

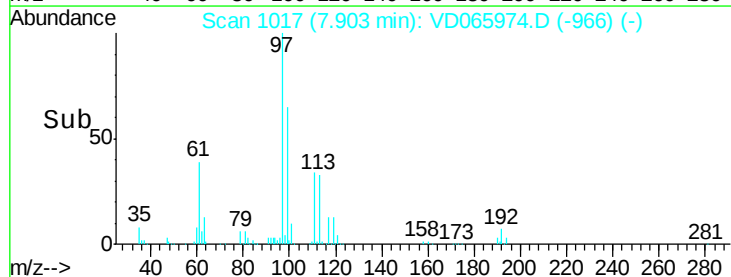
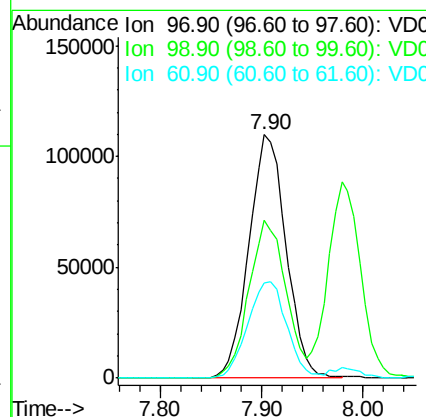
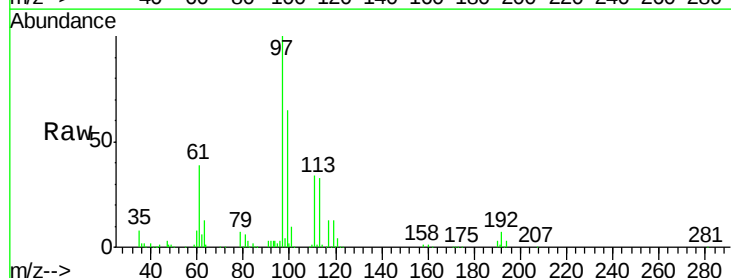
Manual Integrations
APPROVED

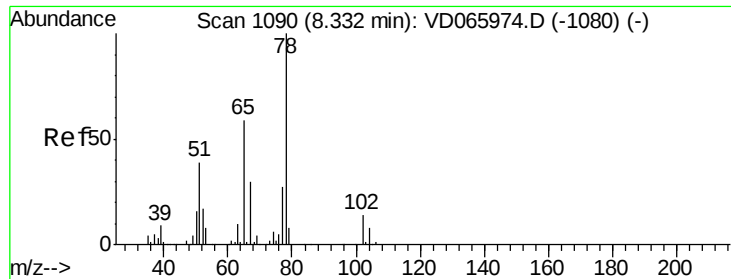
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#32
1,1,1-Trichloroethane
Concen: 49.676 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD065974.D
Acq: 21 Jul 2020 11:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.8	77.6
61	41.6	33.3	49.9





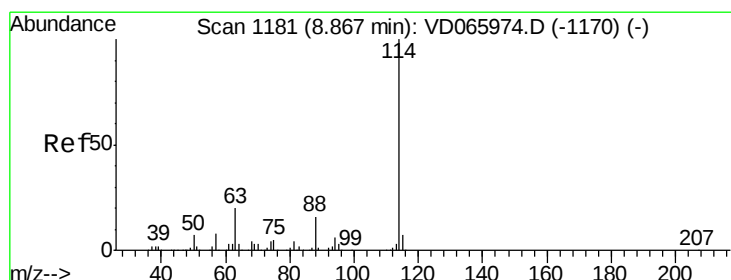
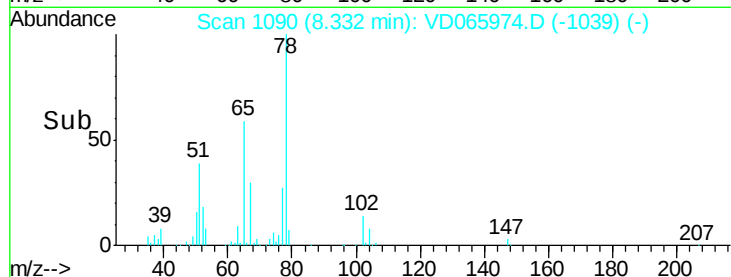
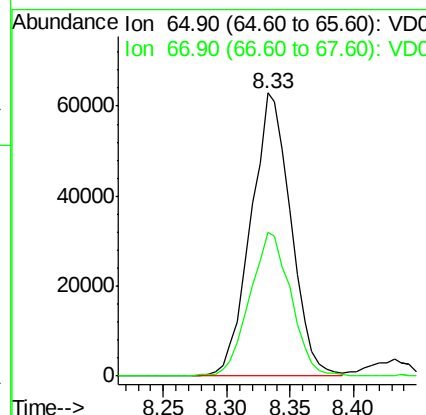
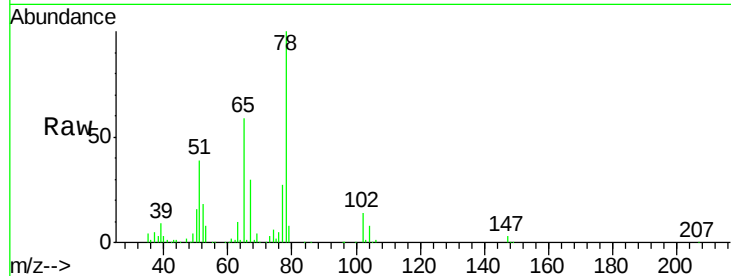
#33
 1,2-Dichloroethane-d4
 Concen: 44.188 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD065974.D
 Acq: 21 Jul 2020 11:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	137935		
67	52.5	0.0	105.0	

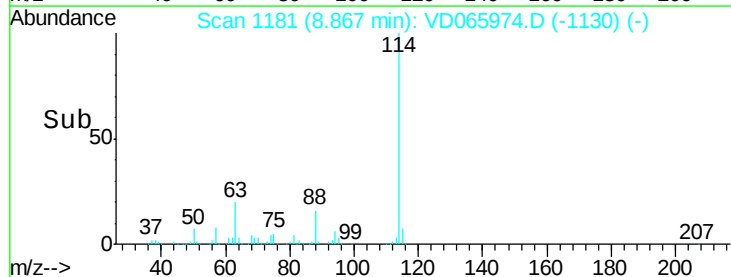
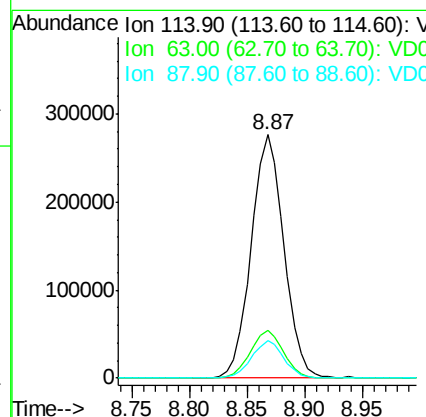
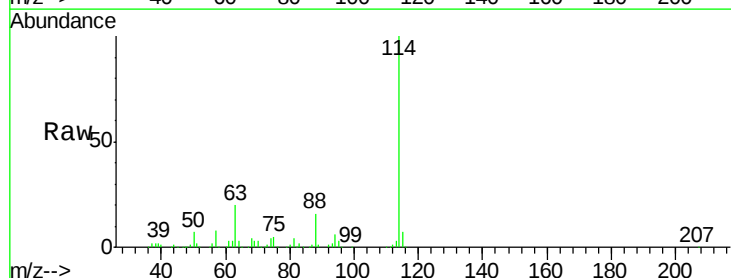
Manual Integrations
 APPROVED

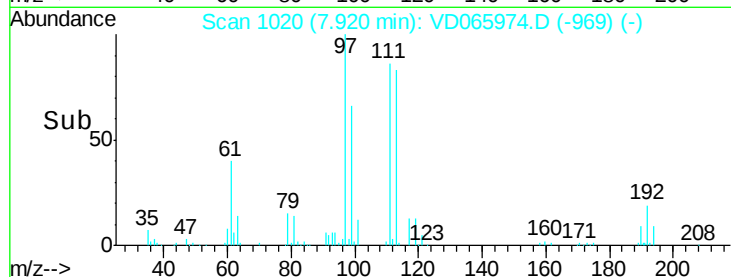
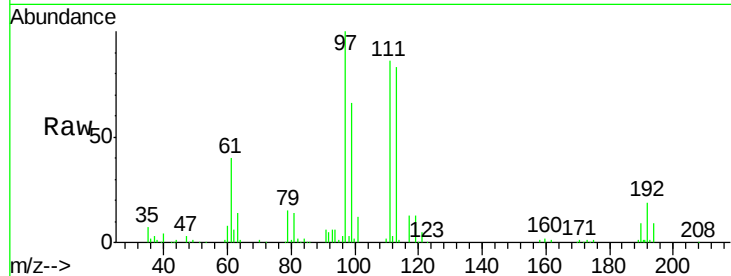
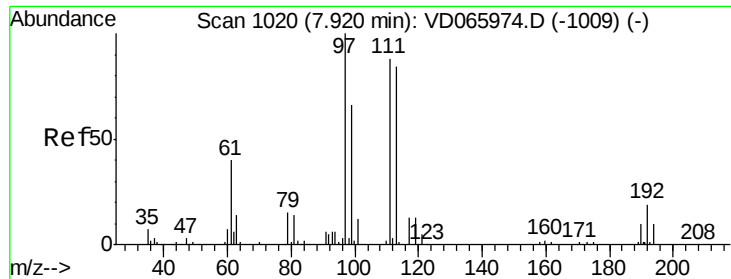
MMDadoda
 7/22/2020 2:44:23 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065974.D
 Acq: 21 Jul 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	546900		
63	19.8	0.0	39.6	
88	15.6	0.0	31.2	





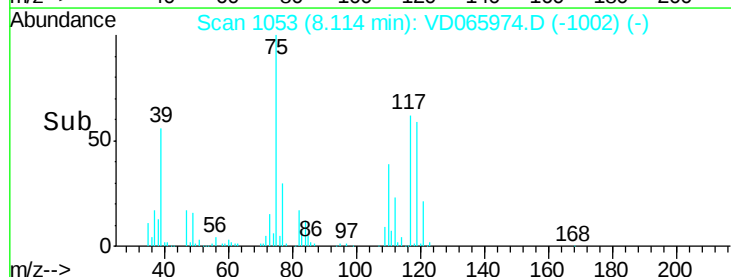
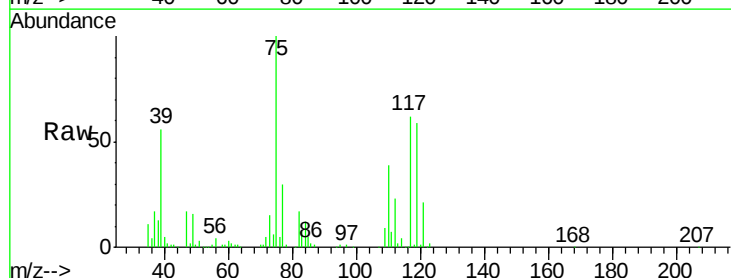
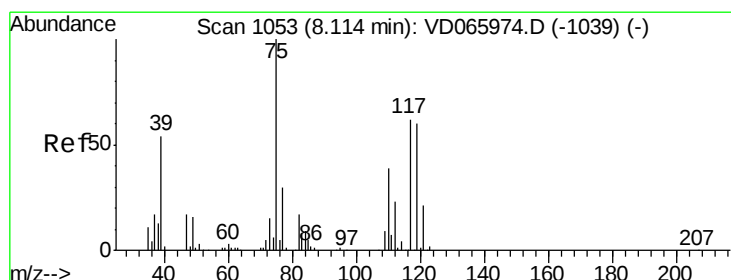
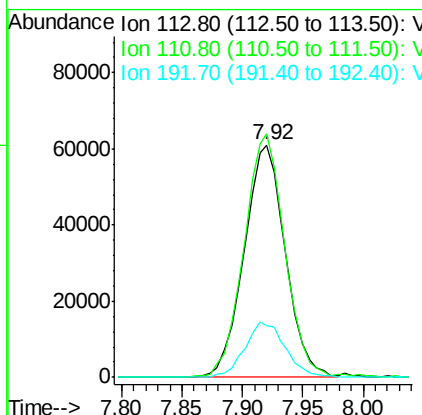
#35
Dibromofluoromethane
Concen: 44.190 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD065974.D
Acq: 21 Jul 2020 11:16

Tot Ion	Ratio	Resp	Lower	Upper
113	100	145198		
111	104.0	83.2	124.8	
192	23.4	18.7	28.1	

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

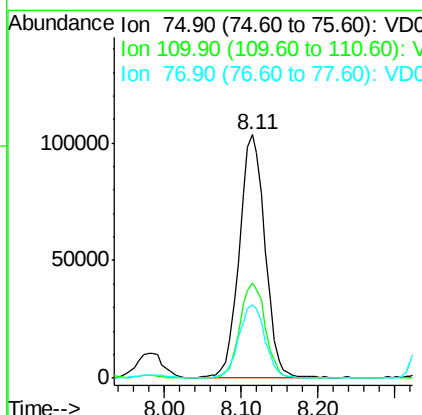
Manual Integrations
APPROVED

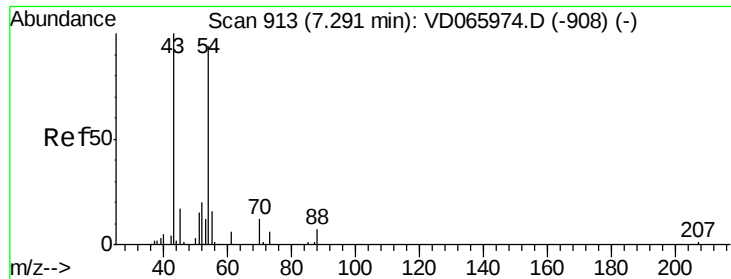
MMDadoda
7/22/2020 2:44:23 PM



#36
1,1-Dichloropropene
Concen: 50.876 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD065974.D
Acq: 21 Jul 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	241621		
110	39.0	19.5	58.5	
77	30.9	24.7	37.1	





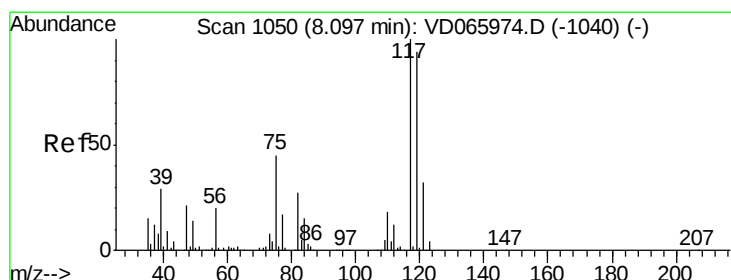
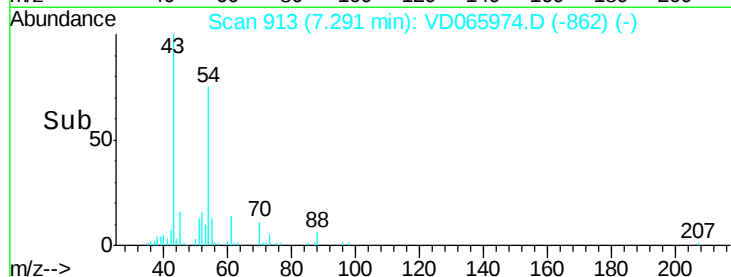
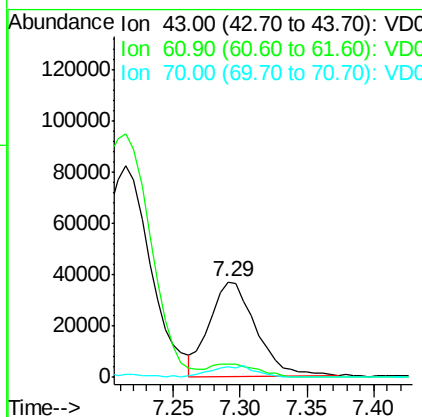
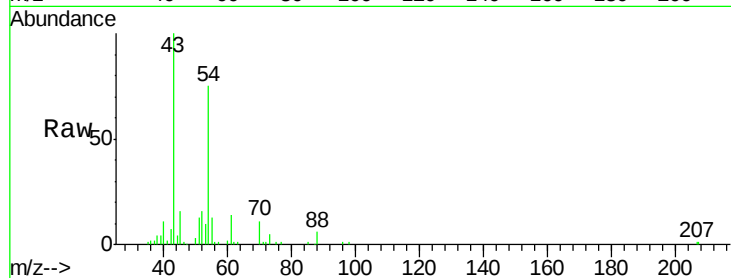
#37
Ethyl Acetate
Concen: 49.394 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD065974.D
Acq: 21 Jul 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.4	17.0
70	11.6	9.3	13.9

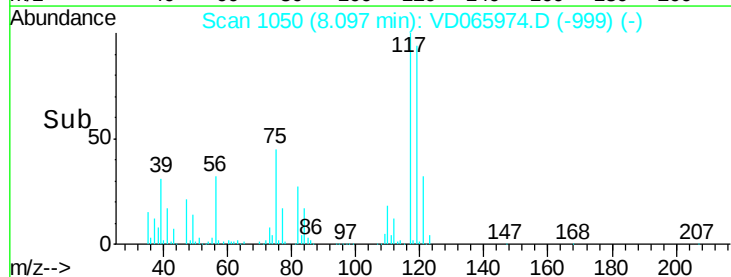
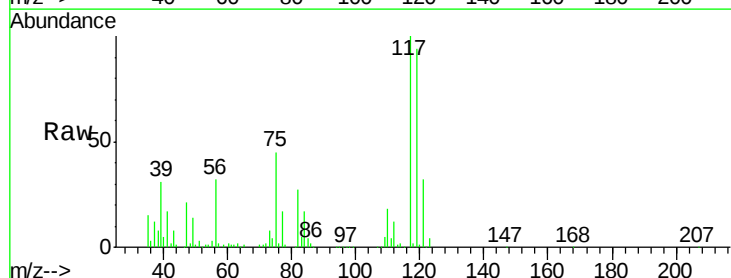
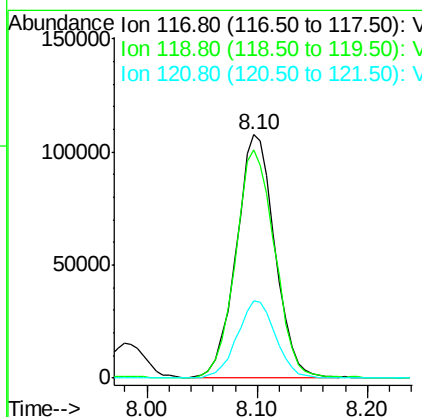
Manual Integrations
APPROVED

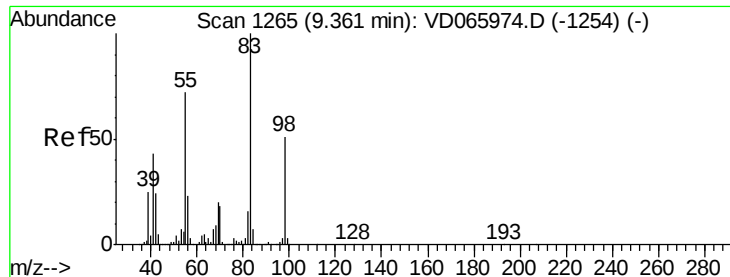
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#38
Carbon Tetrachloride
Concen: 52.032 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065974.D
Acq: 21 Jul 2020 11:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.8	75.0	112.6
121	31.9	25.5	38.3





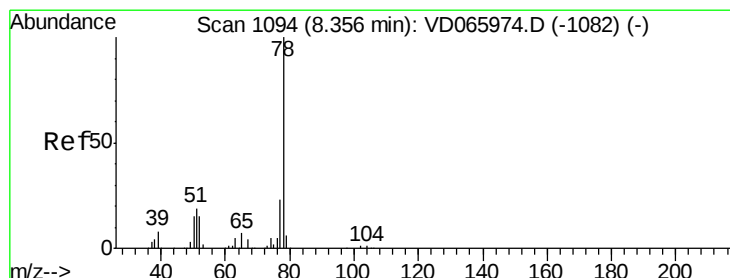
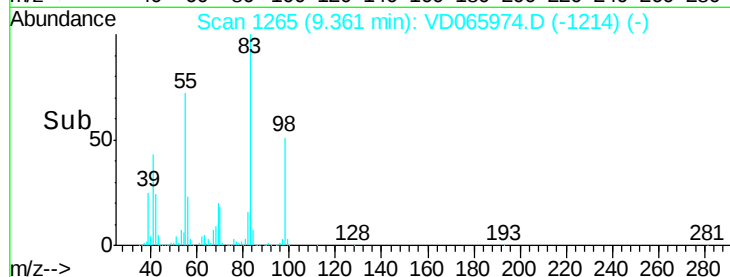
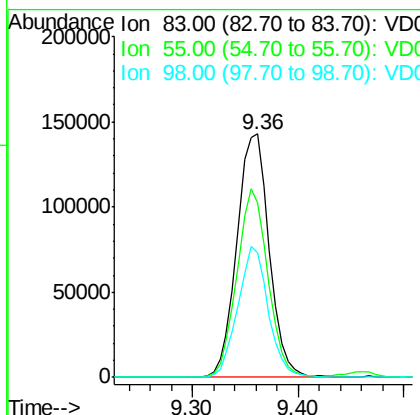
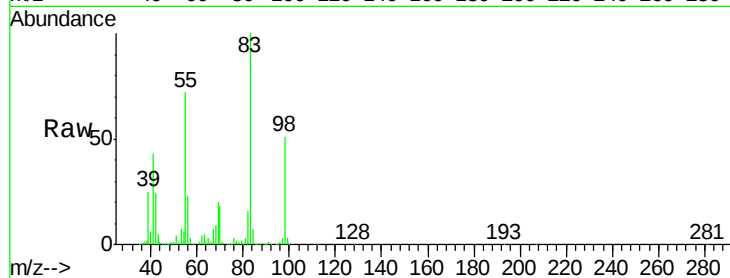
#39
Methvlcvclohexane
Concen: 53.938 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VD065974.D
Acq: 21 Jul 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.6	57.3	85.9
98	51.3	41.0	61.6

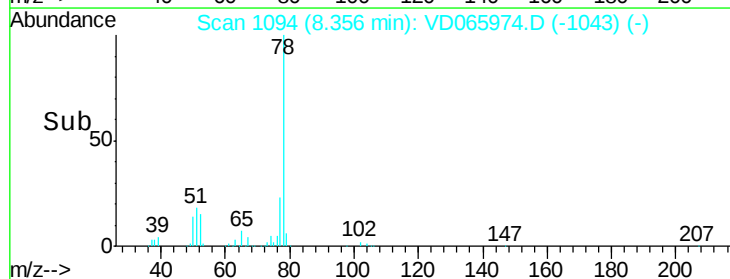
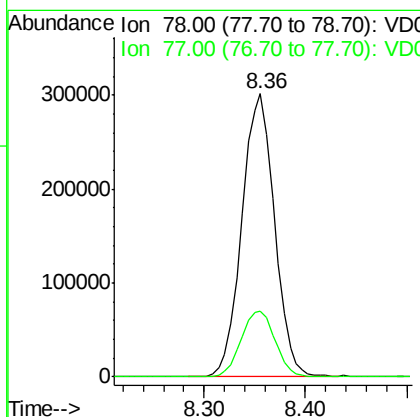
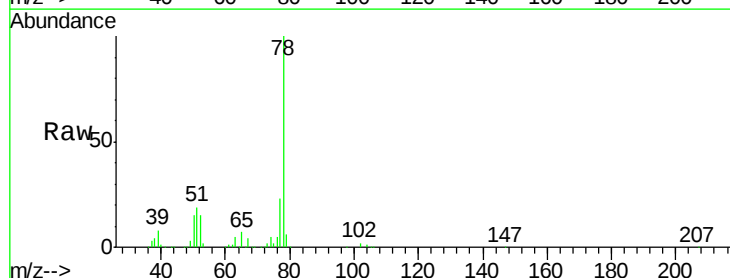
Manual Integrations
APPROVED

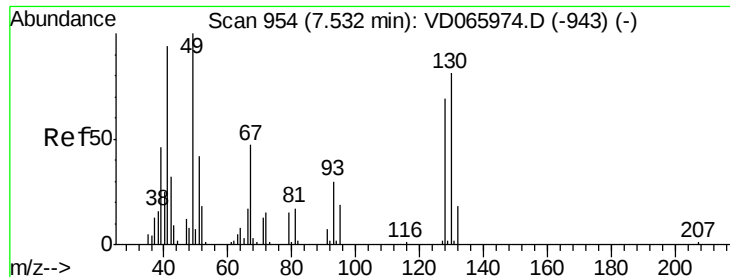
MMDadoda
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#40
Benzene
Concen: 51.216 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065974.D
Acq: 21 Jul 2020 11:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.6	27.8





#41

Methacrylonitrile

Concen: 39.679 ug/l m

RT: 7.53 min Scan# 954

Delta R.T. 0.00 min

Lab File: VD065974.D

Acq: 21 Jul 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 41 Resp: 54042

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

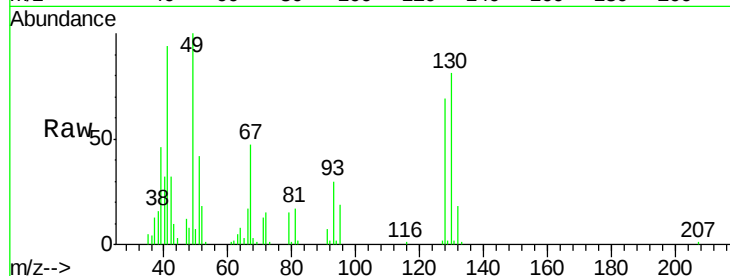
52 0.0 0.0 0.0

Manual Integrations

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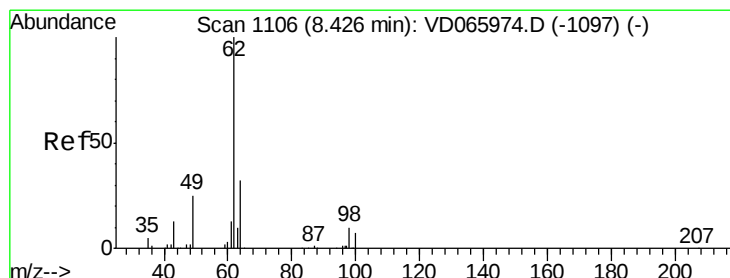
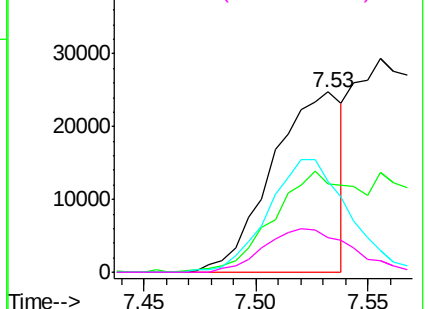
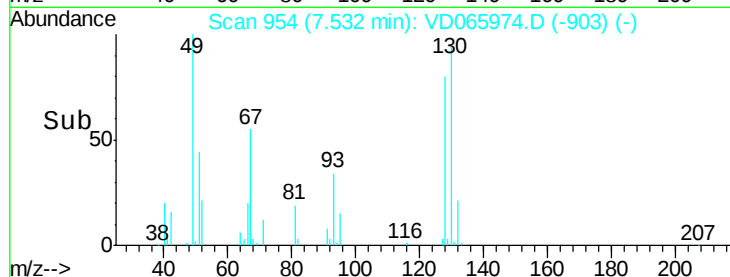


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 50.524 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD065974.D

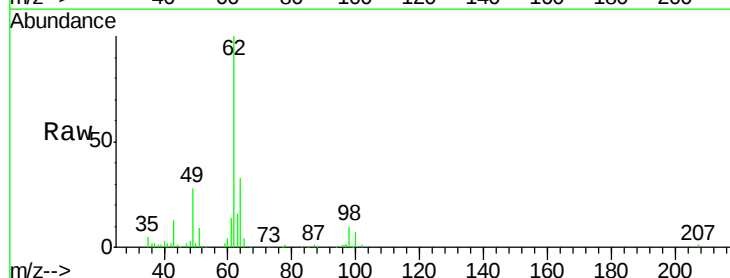
Acq: 21 Jul 2020 11:16

Tgt Ion: 62 Resp: 182919

Ion Ratio Lower Upper

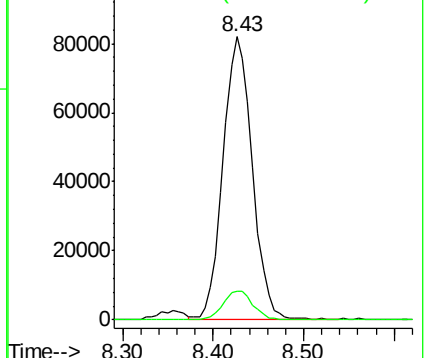
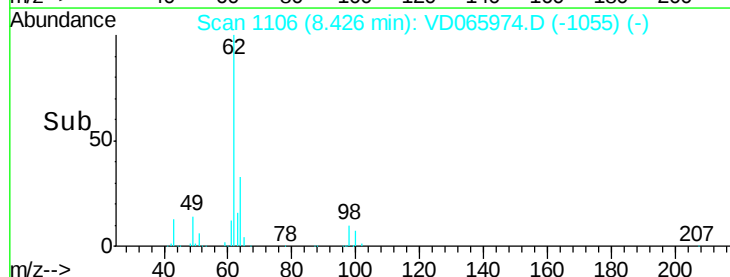
62 100

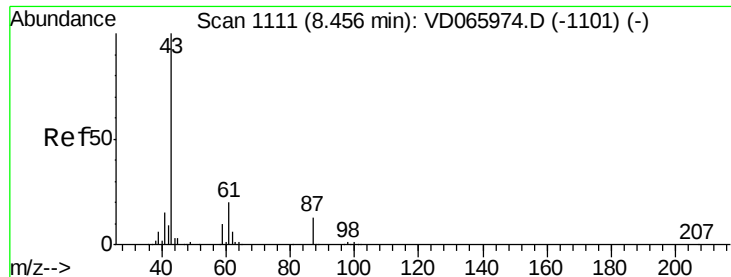
98 10.5 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





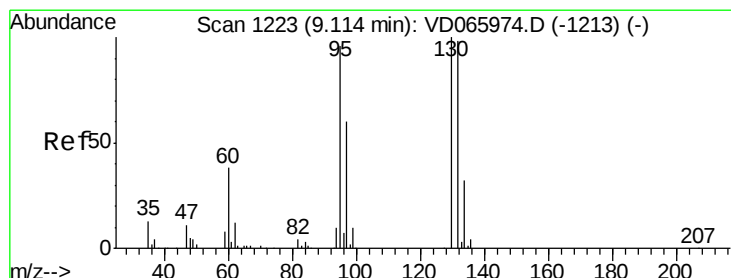
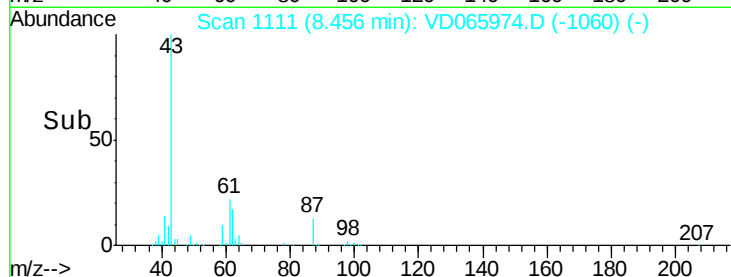
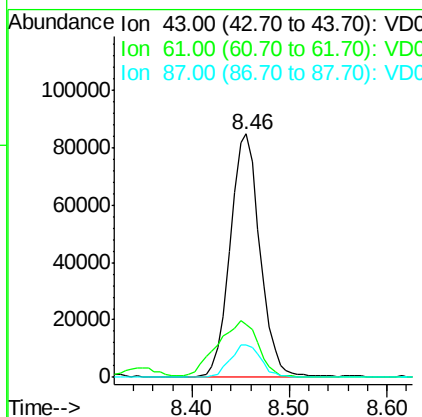
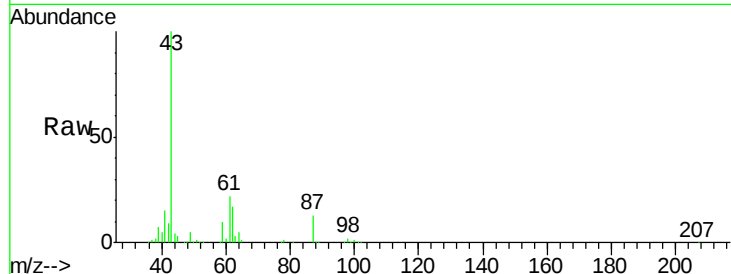
#43
Isopropyl Acetate
Concen: 53.751 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD065974.D
Acq: 21 Jul 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.3	25.8	38.8
87	13.6	10.9	16.3

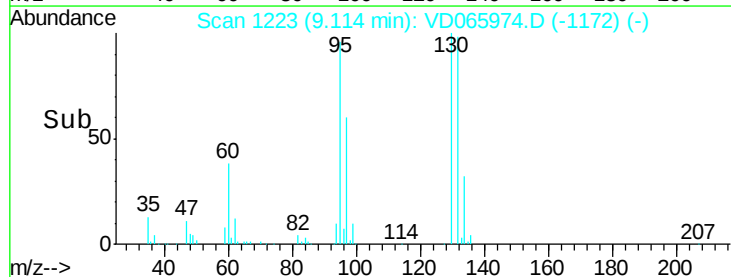
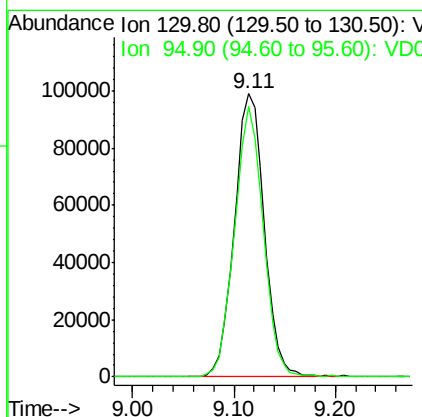
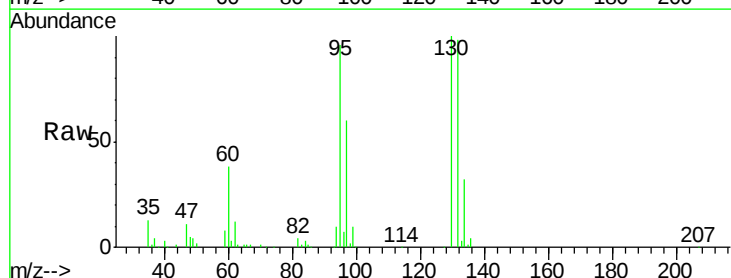
Manual Integrations
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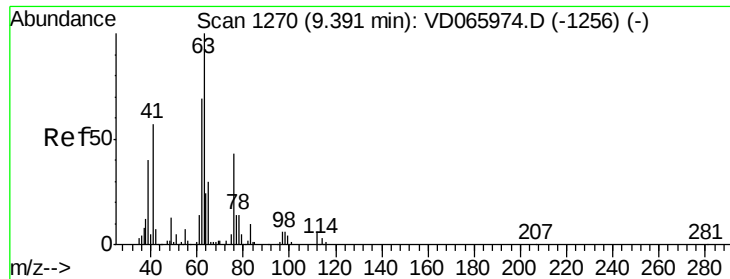
MMDadoda
7/22/2020 2:44:23 PM



#44
Trichloroethene
Concen: 51.112 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD065974.D
Acq: 21 Jul 2020 11:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	191.6





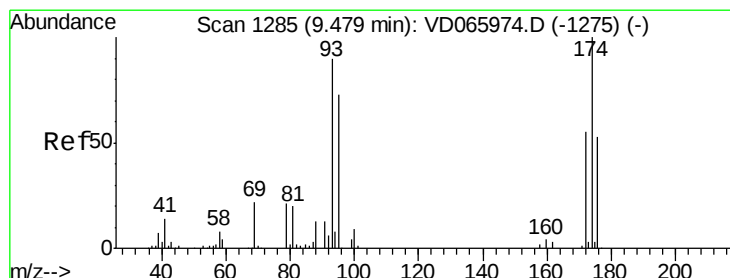
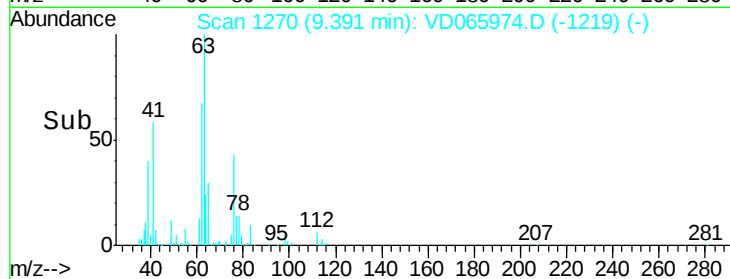
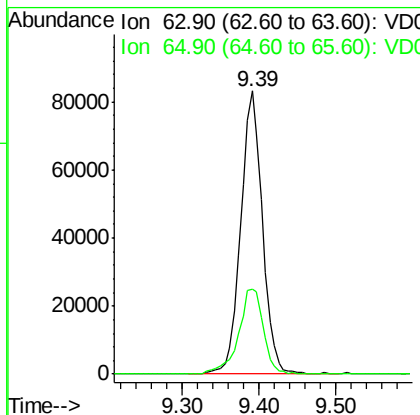
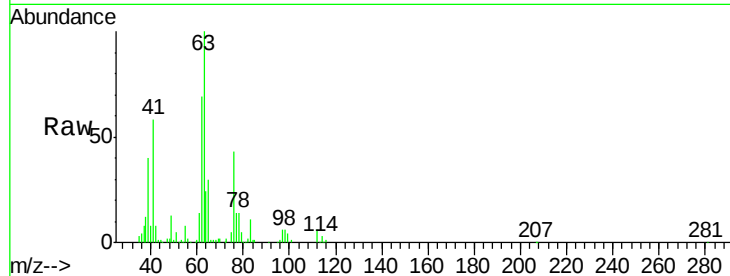
#45
 1,2-Dichloropropane
 Concen: 52.063 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065974.D
 Acq: 21 Jul 2020 11:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.0	24.0	36.0

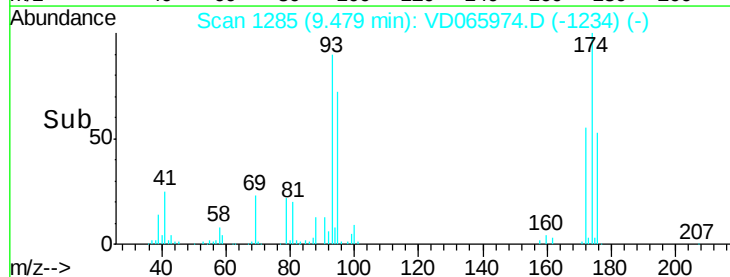
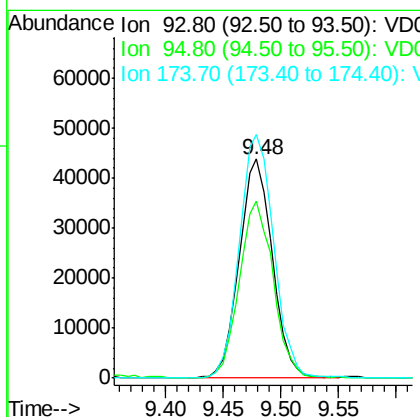
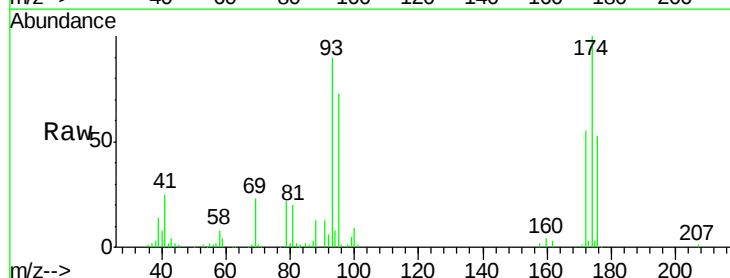
Manual Integrations
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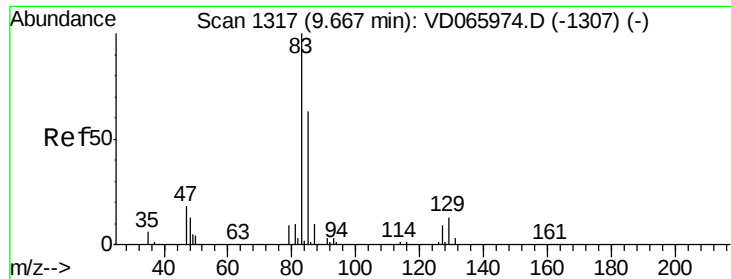
MMDadoda
 7/22/2020 2:44:23 PM



#46
 Dibromomethane
 Concen: 50.731 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065974.D
 Acq: 21 Jul 2020 11:16

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.8	66.2	99.4
174	114.4	91.5	137.3





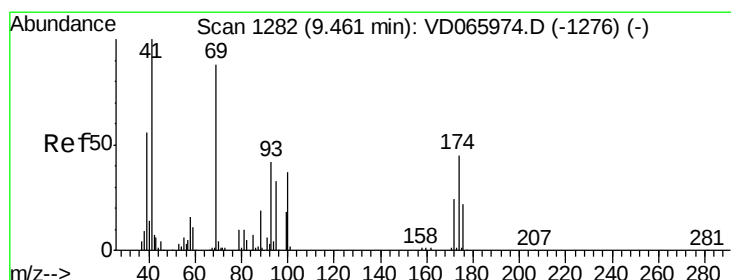
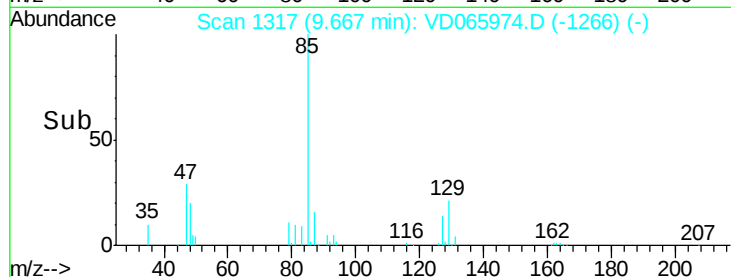
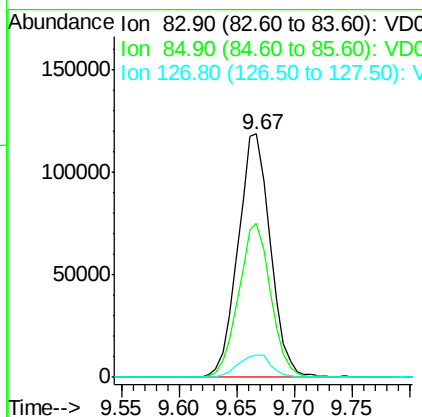
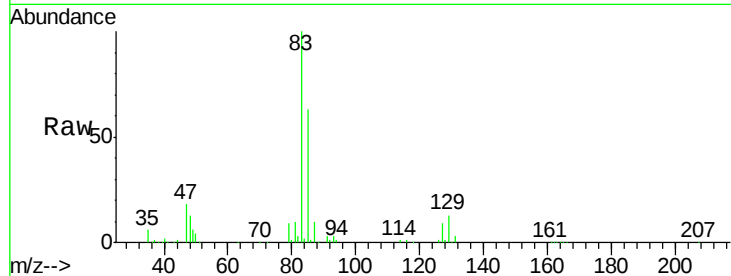
#47
Bromodichloromethane
Concen: 50.942 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065974.D
Acq: 21 Jul 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	230810		
85	63.2	50.6	75.8	
127	8.9	7.1	10.7	

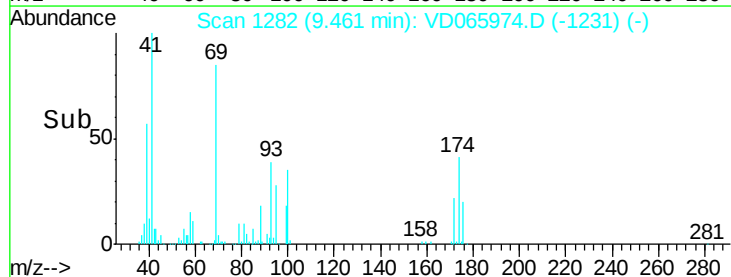
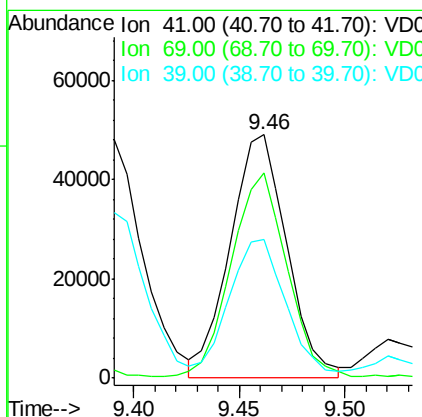
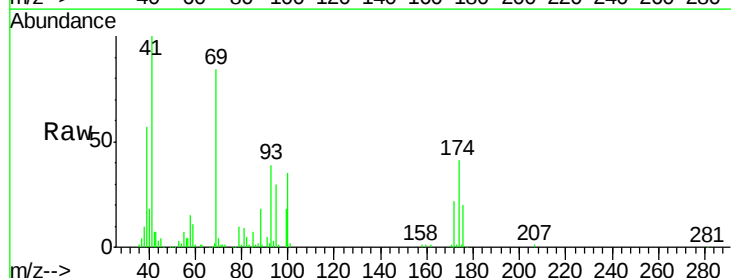
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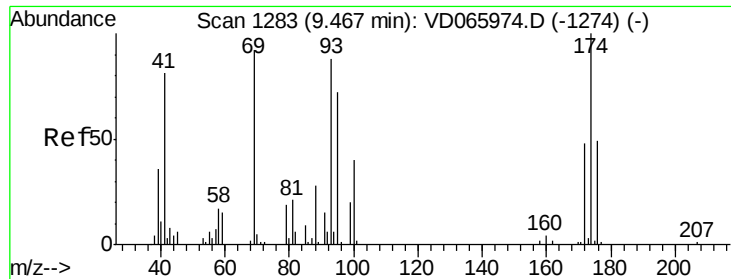
MMDadoda
7/22/2020 2:44:23 PM



#48
Methyl methacrylate
Concen: 52.517 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065974.D
Acq: 21 Jul 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	91723		
69	81.4	65.1	97.7	
39	51.9	41.5	62.3	





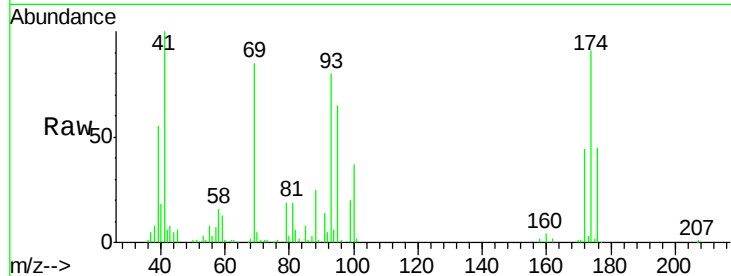
#49
1,4-Dioxane
Concen: 1094.790 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065974.D
Acq: 21 Jul 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

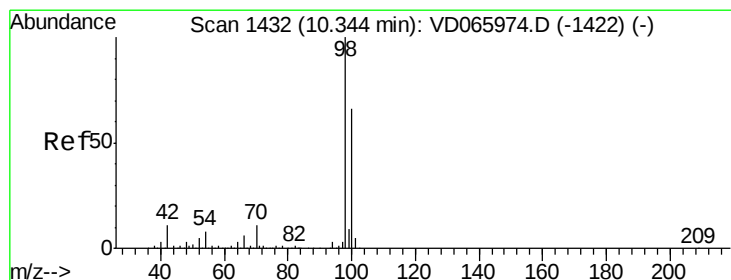
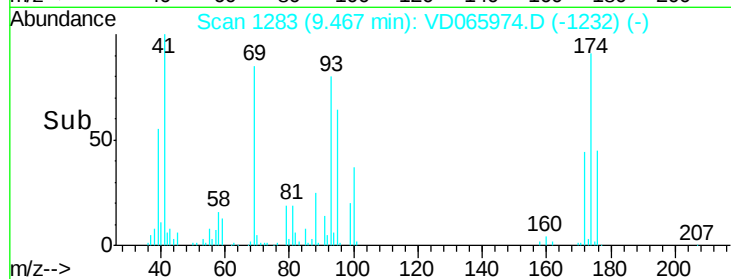
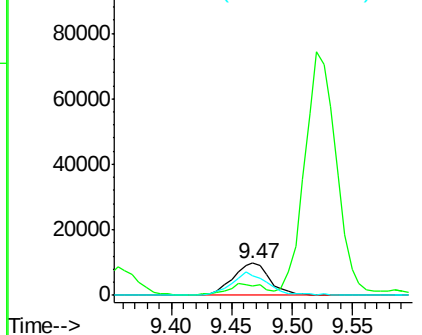
Tot Ion	Ratio	Lower	Upper
88	100		
43	36.3	29.0	43.6
58	71.2	57.0	85.4

Manual Integrations
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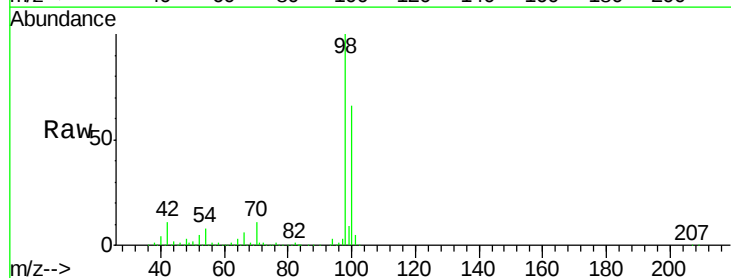


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

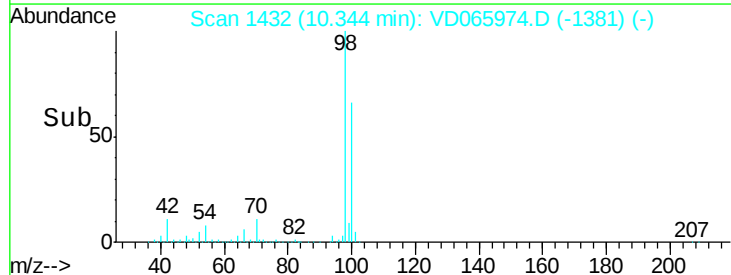
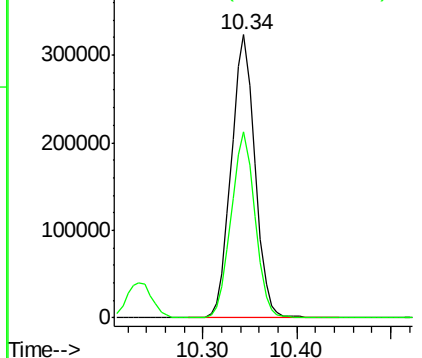


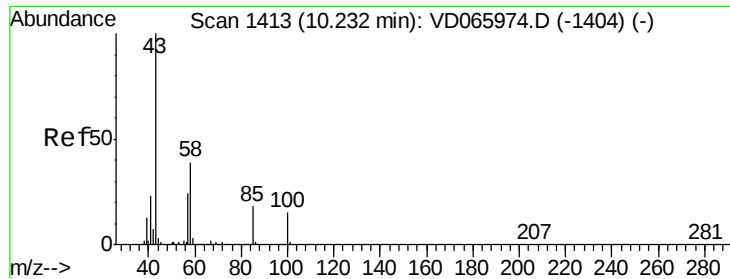
#50
Toluene-d8
Concen: 46.405 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065974.D
Acq: 21 Jul 2020 11:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.7	79.1



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 269.586 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD065974.D

Acq: 21 Jul 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 461589

Ion Ratio Lower Upper

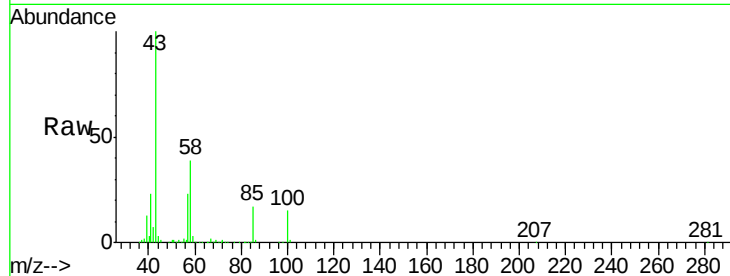
43 100

58 39.1 31.3 46.9

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

250000

200000

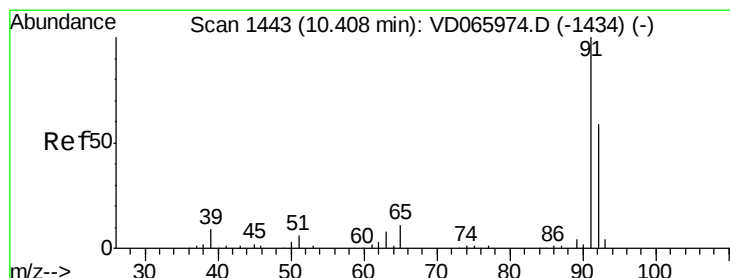
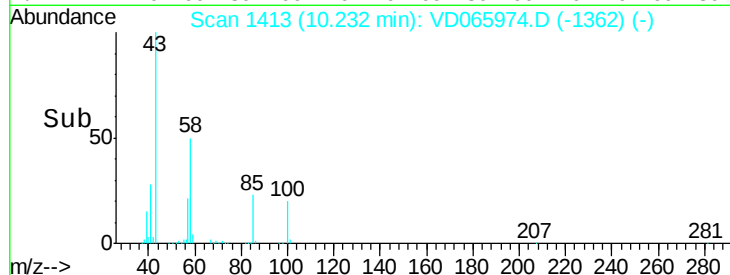
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 53.313 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065974.D

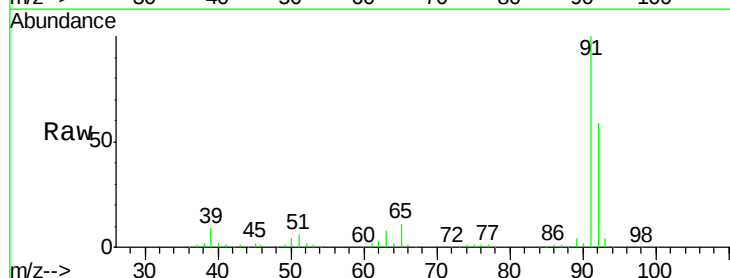
Acq: 21 Jul 2020 11:16

Tgt Ion: 92 Resp: 452224

Ion Ratio Lower Upper

92 100

91 168.1 134.5 201.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

500000

400000

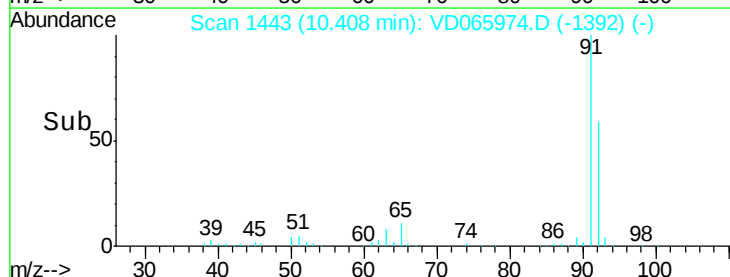
300000

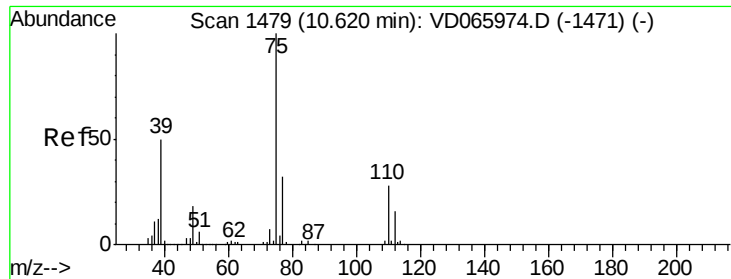
200000

100000

0

Time-->





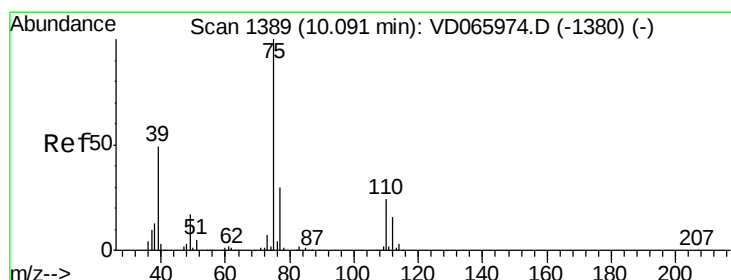
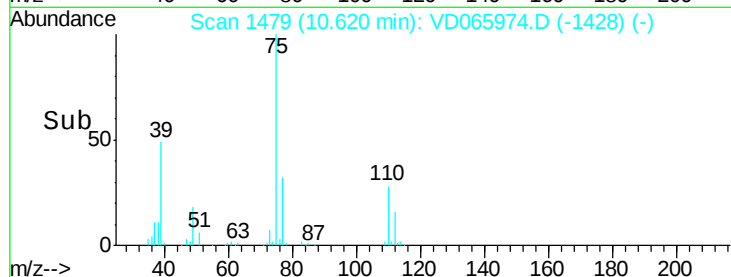
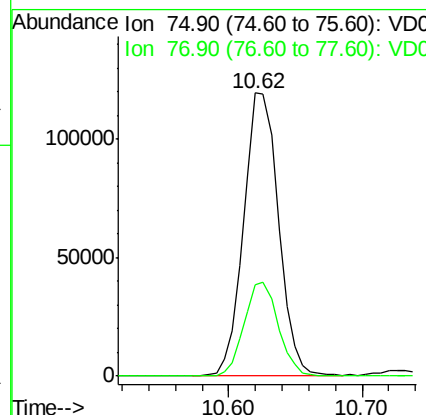
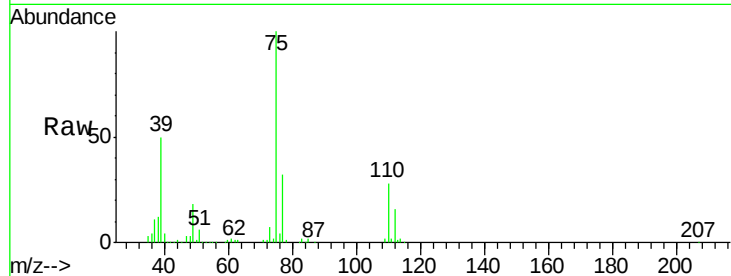
#53
 t-1,3-Dichloropropene
 Concen: 54.035 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD065974.D
 Acq: 21 Jul 2020 11:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 75 Resp: 216415
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.8 38.6

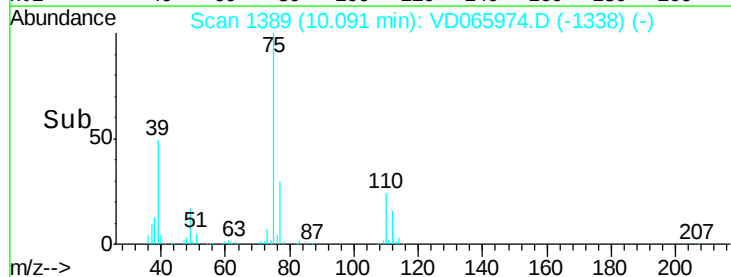
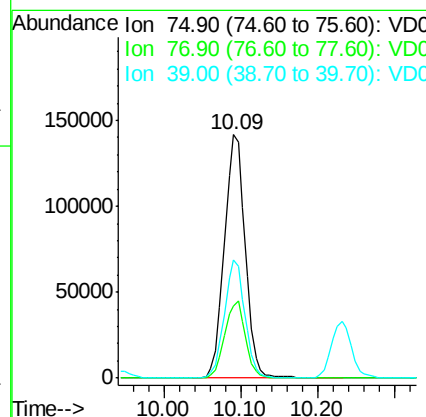
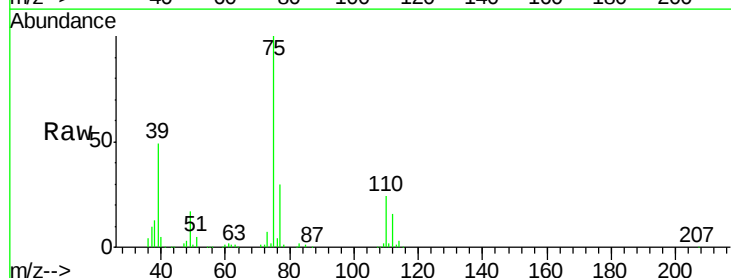
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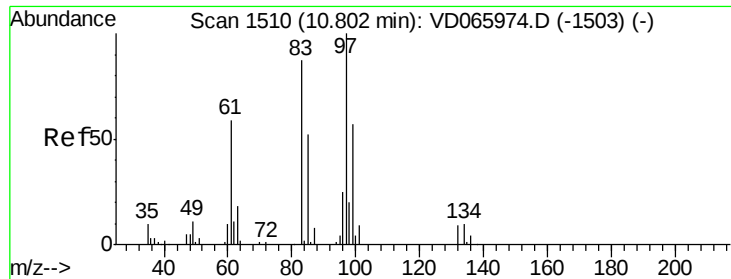
MMDadoda
 7/22/2020 2:44:23 PM



#54
 cis-1,3-Dichloropropene
 Concen: 53.630 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD065974.D
 Acq: 21 Jul 2020 11:16

Tgt Ion: 75 Resp: 265850
 Ion Ratio Lower Upper
 75 100
 77 29.8 23.8 35.8
 39 48.5 38.8 58.2





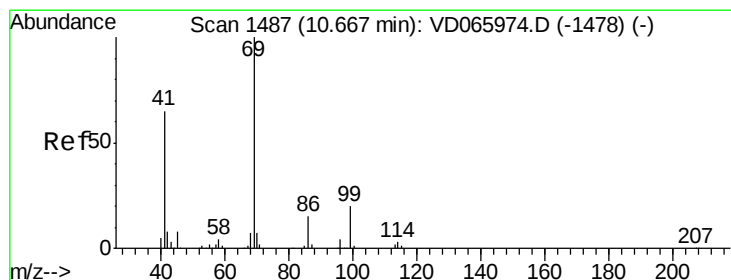
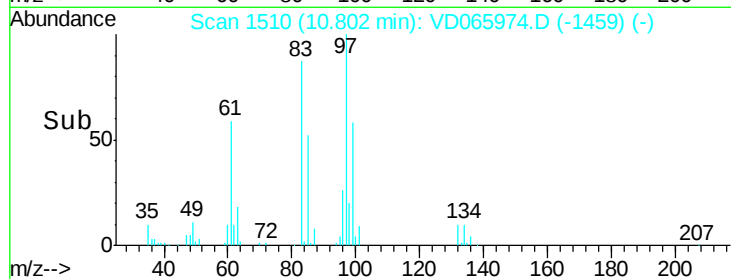
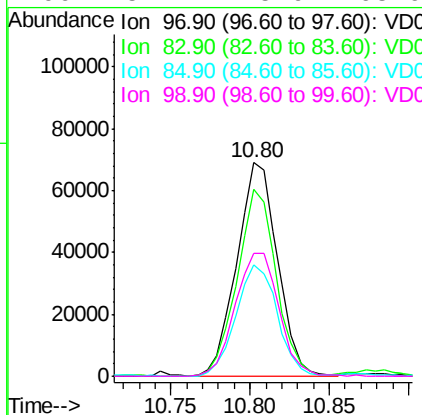
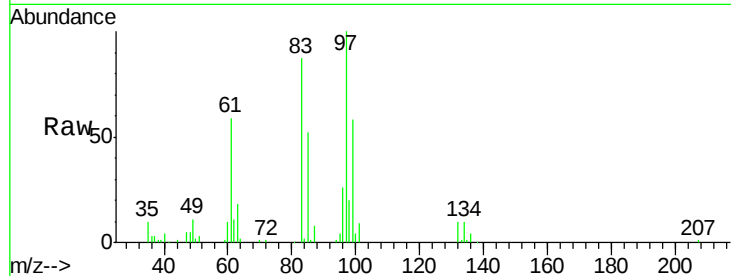
#55
 1,1,2-Trichloroethane
 Concen: 51.822 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD065974.D
 Acq: 21 Jul 2020 11:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	123304		
83	87.1	69.7	104.5	
85	52.0	41.6	62.4	
99	57.4	45.9	68.9	

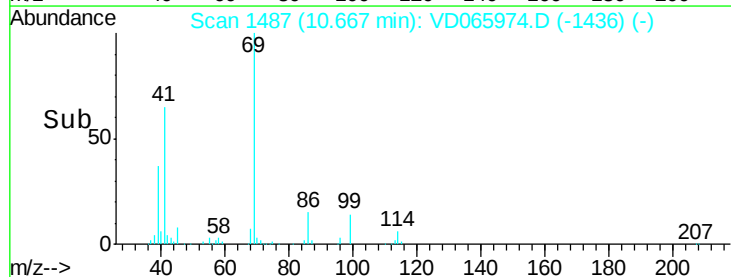
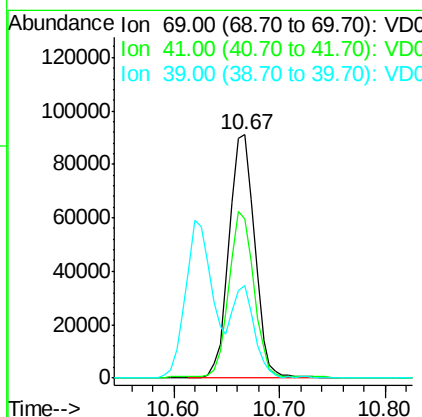
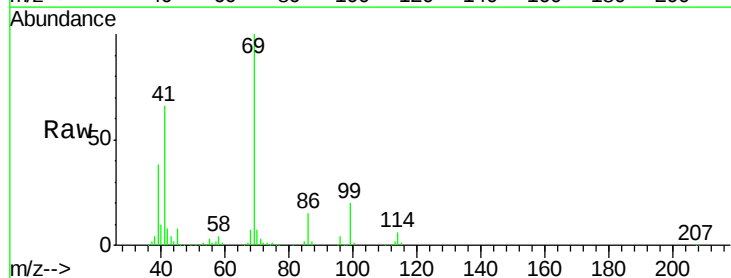
Manual Integrations
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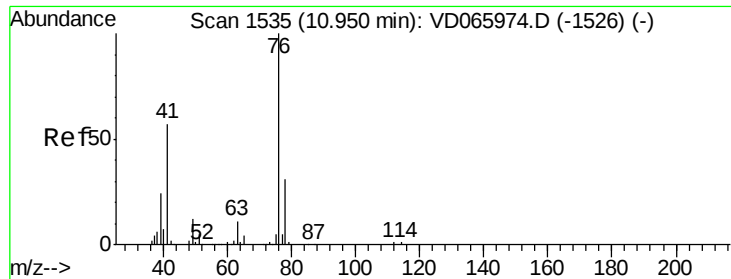
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#56
 Ethyl methacrylate
 Concen: 57.333 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065974.D
 Acq: 21 Jul 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	153314		
41	65.4	52.3	78.5	
39	31.5	25.2	37.8	





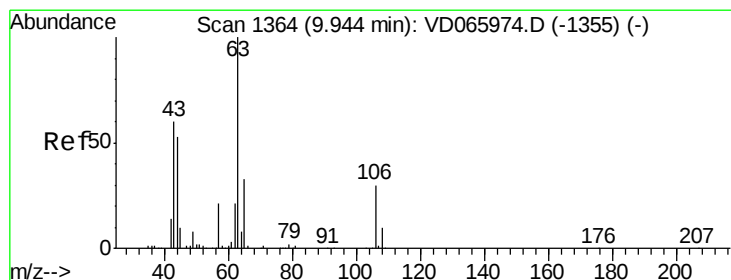
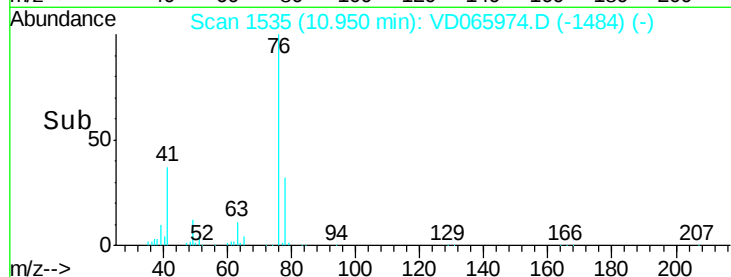
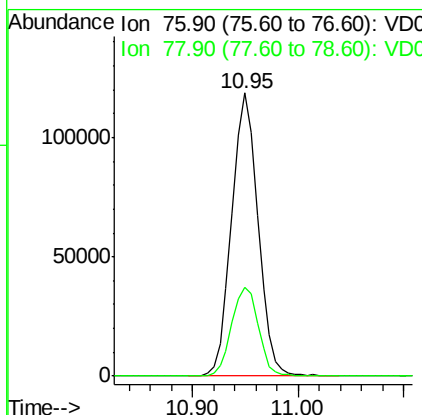
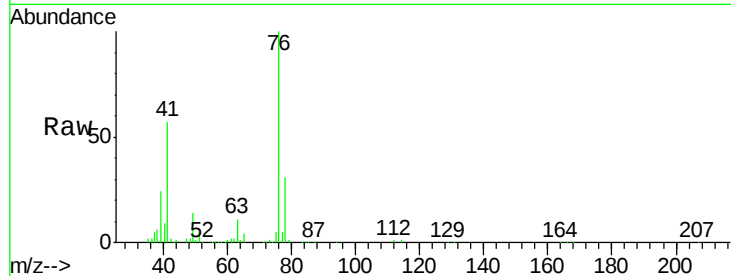
#57
 1,3-Dichloropropane
 Concen: 51.733 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065974.D
 Acq: 21 Jul 2020 11:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.6	38.4

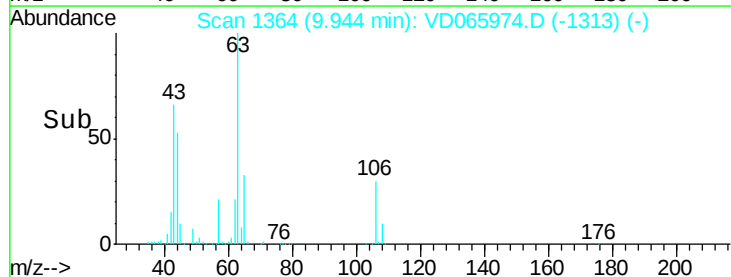
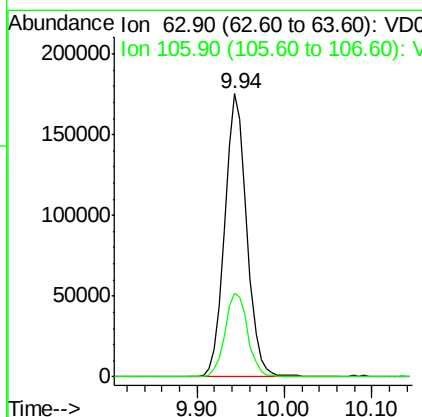
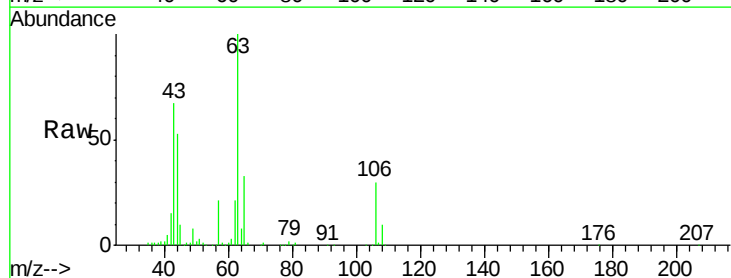
Manual Integrations
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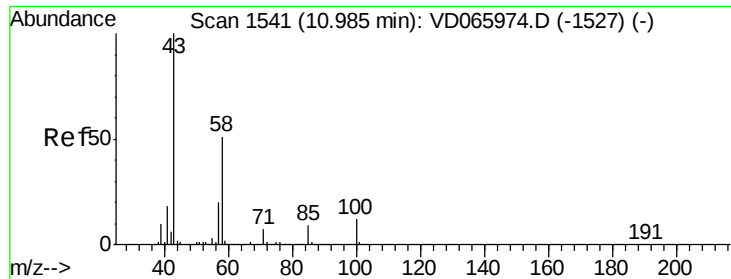
MMDadoda
 7/22/2020 2:44:23 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 233.044 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD065974.D
 Acq: 21 Jul 2020 11:16

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.5	24.4	36.6





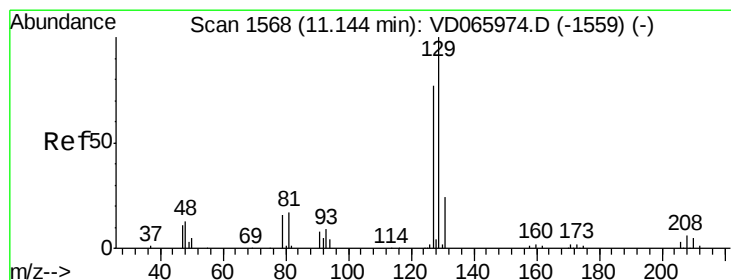
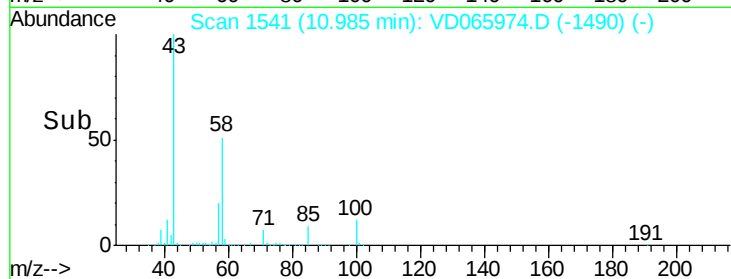
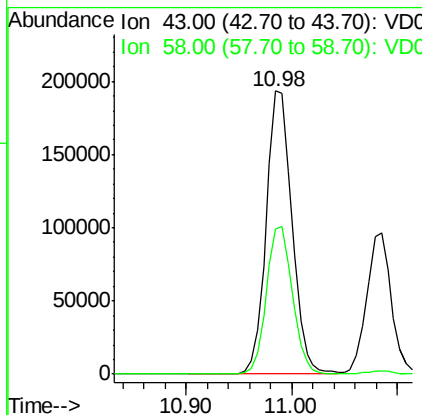
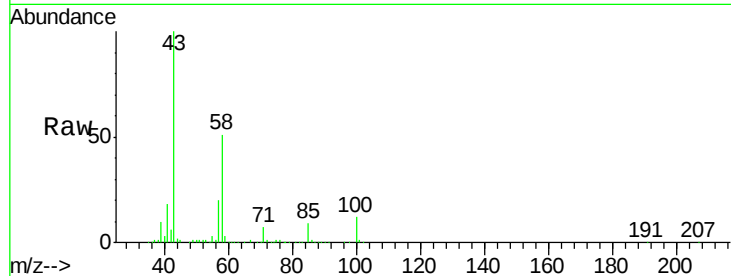
#59
2-Hexanone
Concen: 278.714 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD065974.D
Acq: 21 Jul 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 327927
Ion Ratio Lower Upper
43 100
58 52.4 26.2 78.6

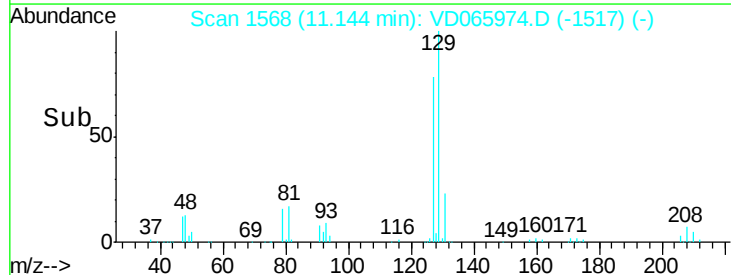
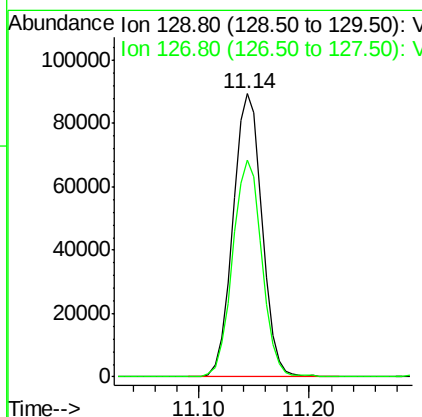
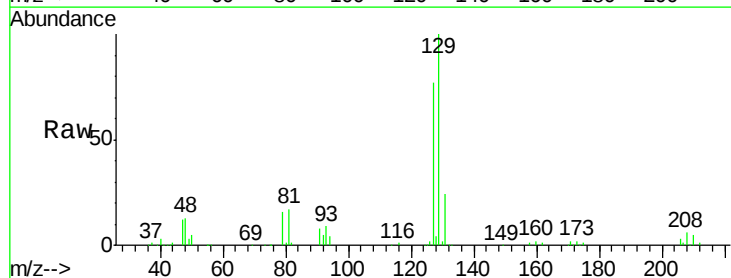
Manual Integrations
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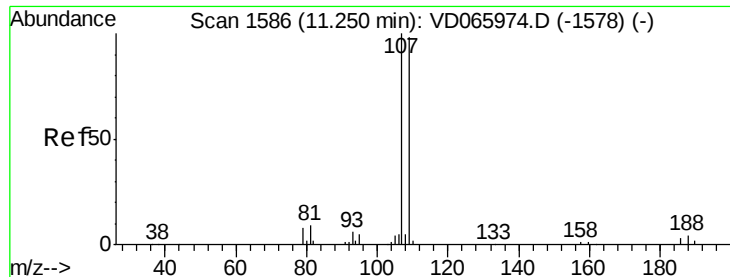
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#60
Dibromochloromethane
Concen: 51.437 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065974.D
Acq: 21 Jul 2020 11:16

Tgt Ion: 129 Resp: 165375
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.7





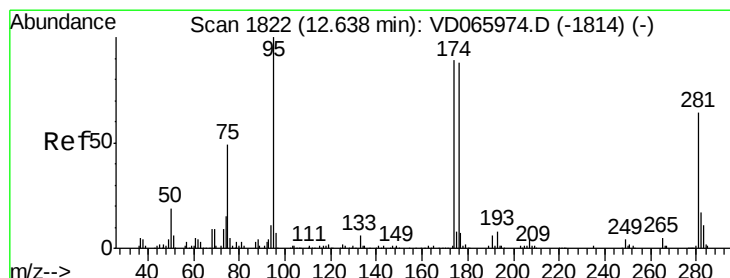
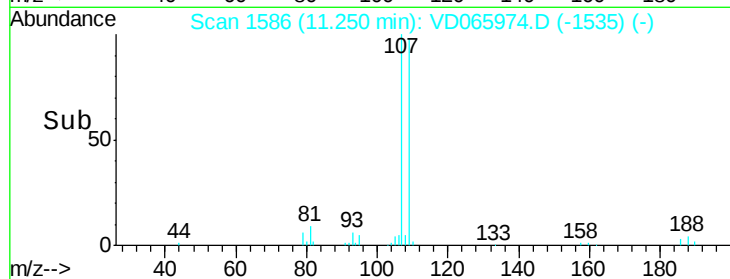
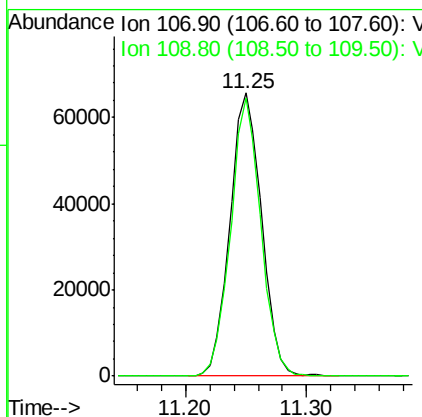
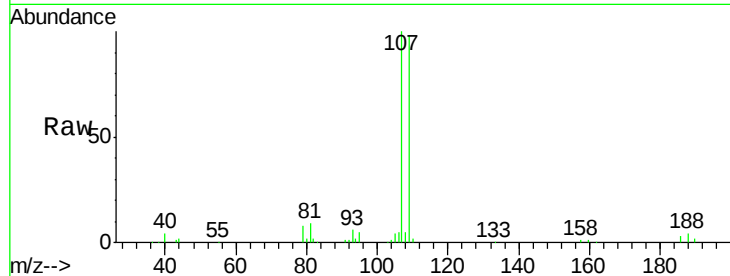
#61
 1,2-Dibromoethane
 Concen: 52.172 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065974.D
 Acq: 21 Jul 2020 11:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.0	112.4

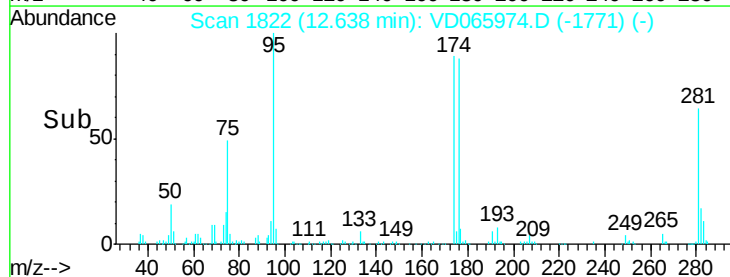
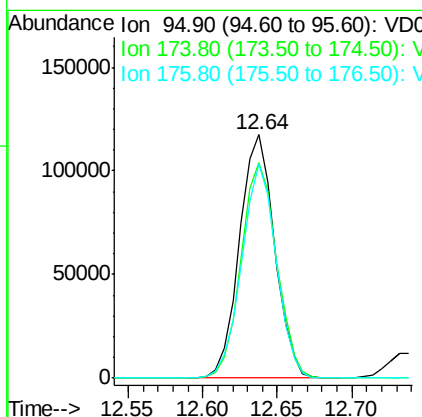
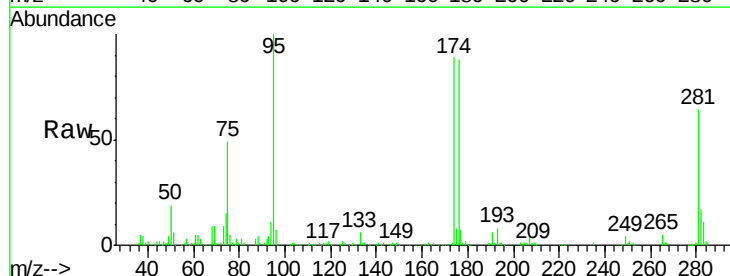
Manual Integrations
 APPROVED

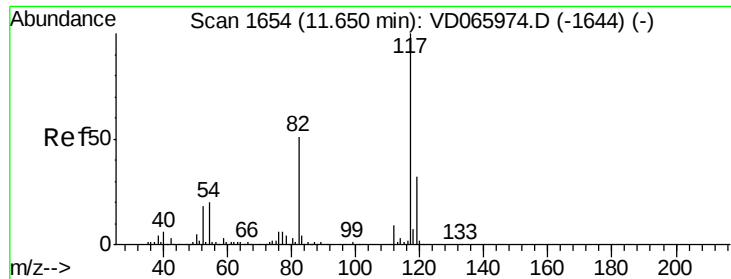
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#62
 4-Bromofluorobenzene
 Concen: 44.218 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065974.D
 Acq: 21 Jul 2020 11:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.4	0.0	178.8
176	86.3	0.0	172.6





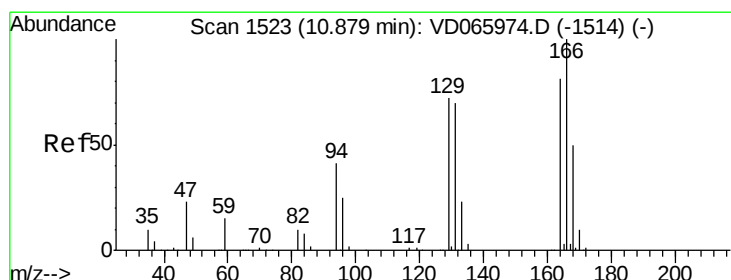
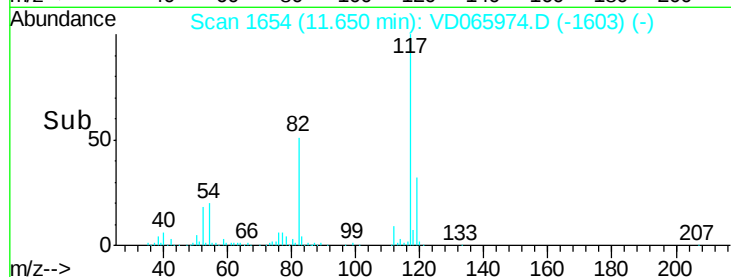
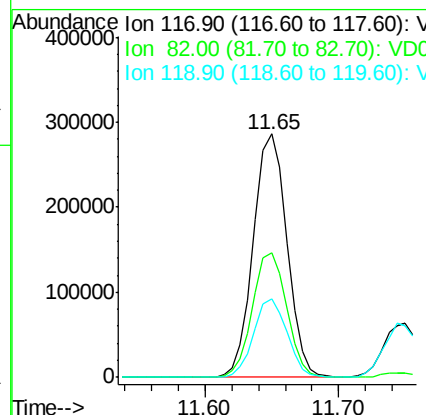
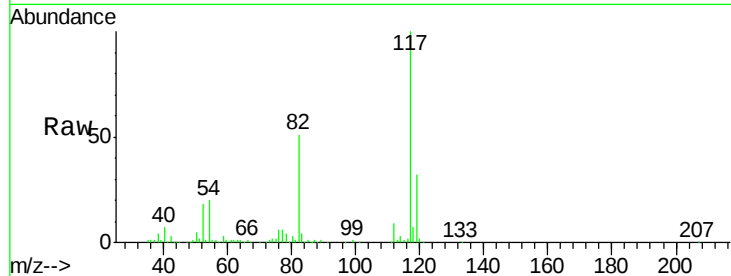
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065974.D
Acq: 21 Jul 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	500010		
82	51.4		41.1	61.7
119	32.4		25.9	38.9

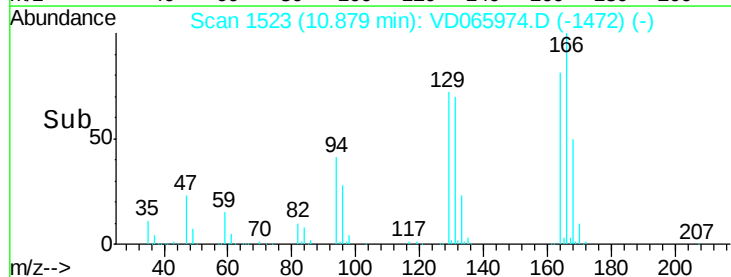
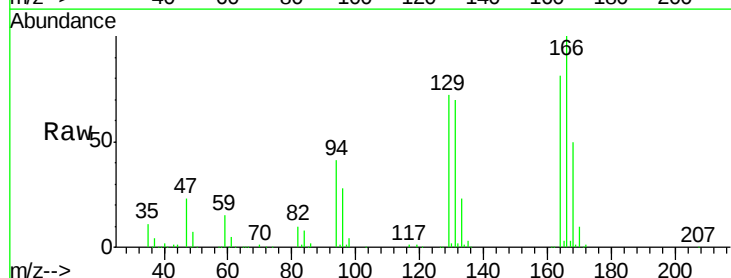
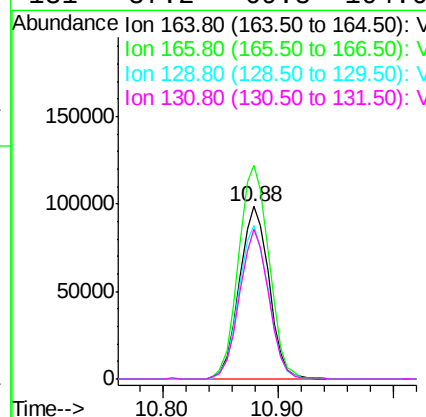
Manual Integrations
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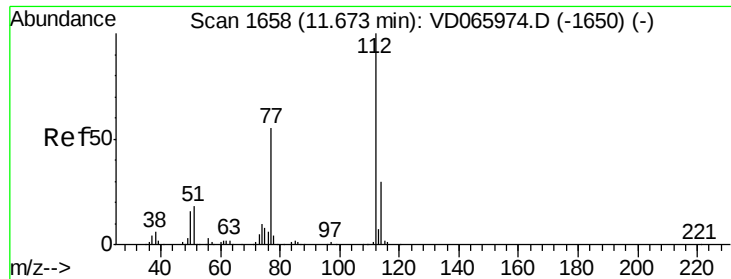
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#64
Tetrachloroethene
Concen: 51.162 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065974.D
Acq: 21 Jul 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	174882		
166	123.9		99.1	148.7
129	89.4		71.5	107.3
131	87.2		69.8	104.6





#65

Chlorobenzene

Concen: 51.308 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD065974.D

Acq: 21 Jul 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:112 Resp: 473251

Ion Ratio Lower Upper

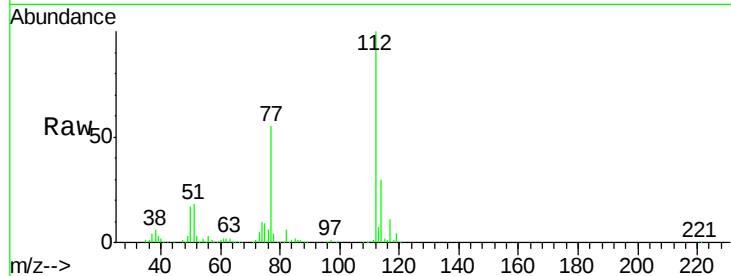
112 100

114 30.5 24.4 36.6

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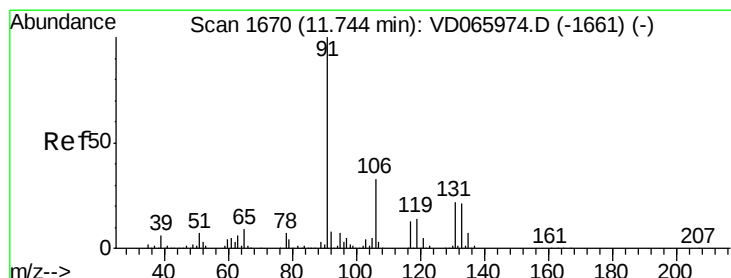
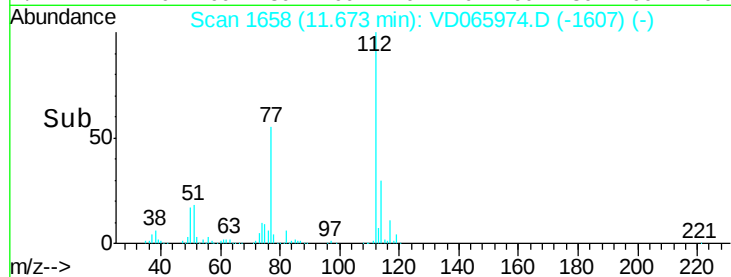
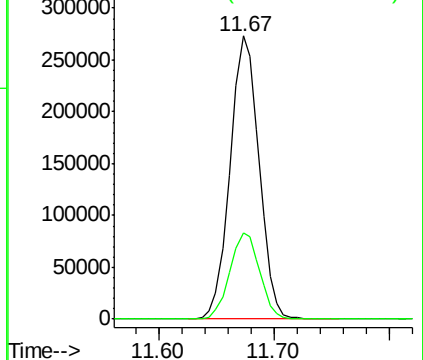
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.917 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD065974.D

Acq: 21 Jul 2020 11:16

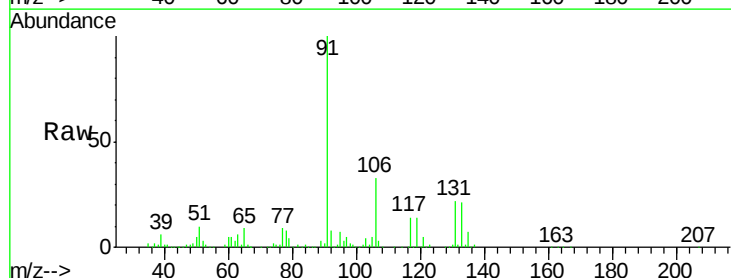
Tgt Ion:131 Resp: 177184

Ion Ratio Lower Upper

131 100

133 94.7 47.3 142.0

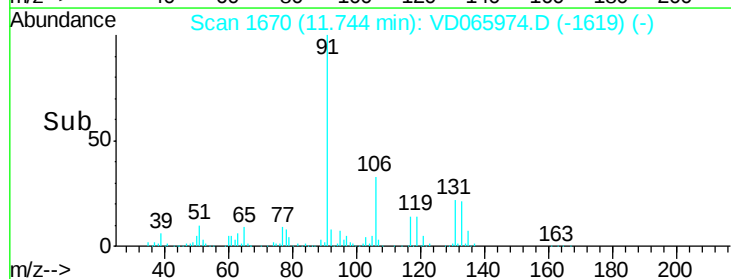
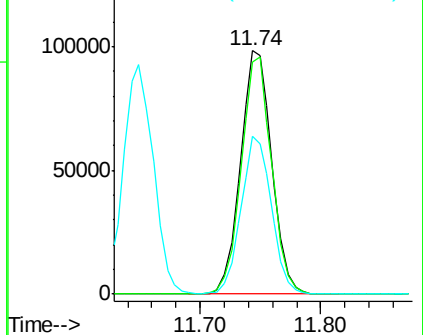
119 63.4 31.7 95.1

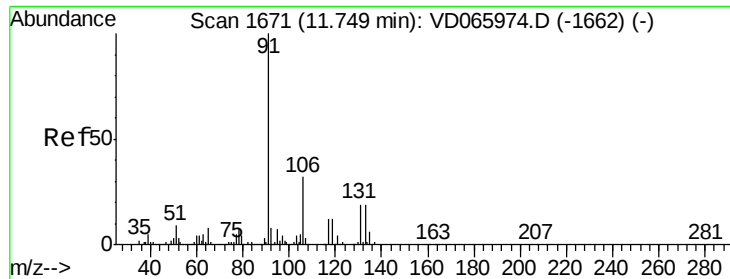


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 52.115 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065974.D

Acq: 21 Jul 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 824474

Ion Ratio Lower Upper

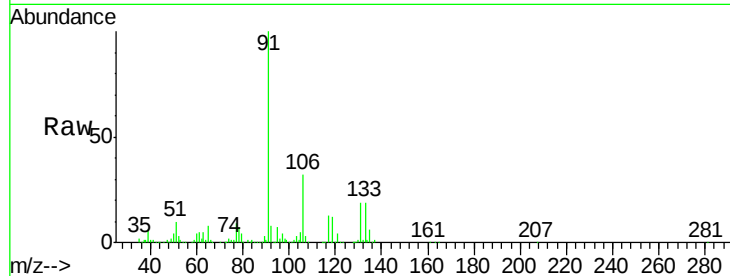
91 100

106 32.1 25.7 38.5

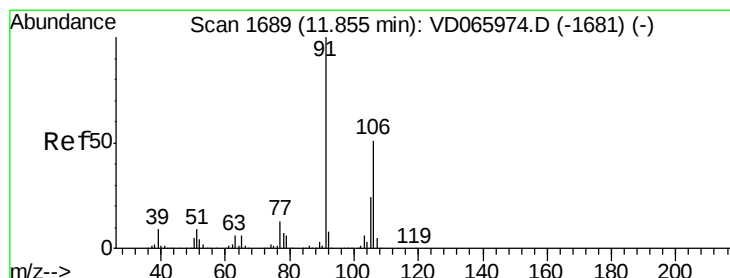
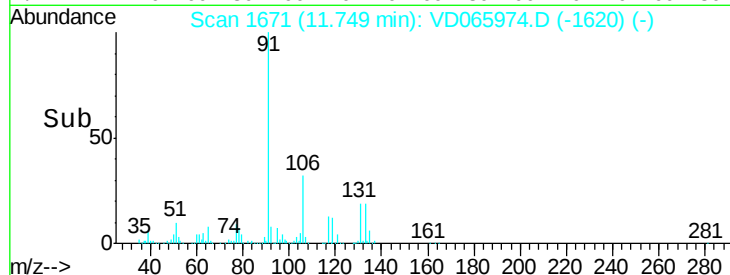
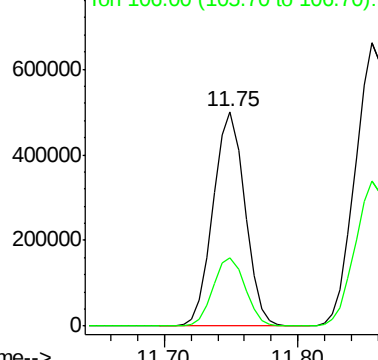
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Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 105.368 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD065974.D

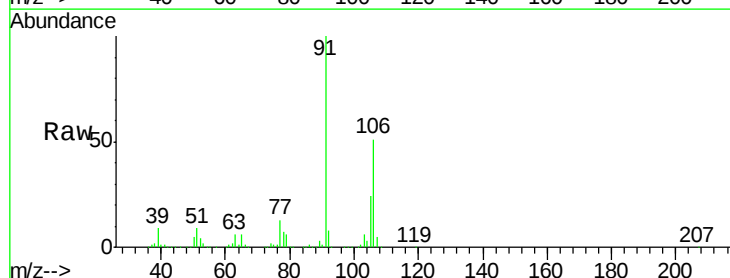
Acq: 21 Jul 2020 11:16

Tgt Ion: 106 Resp: 644637

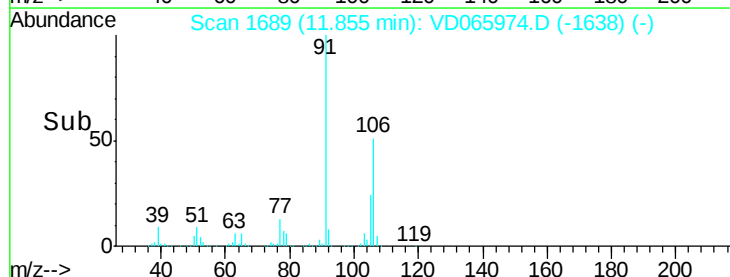
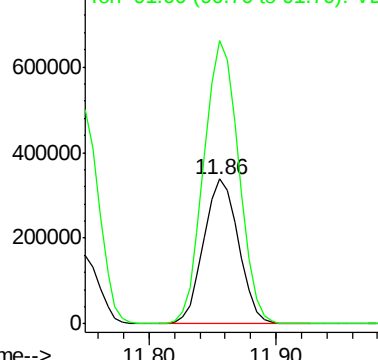
Ion Ratio Lower Upper

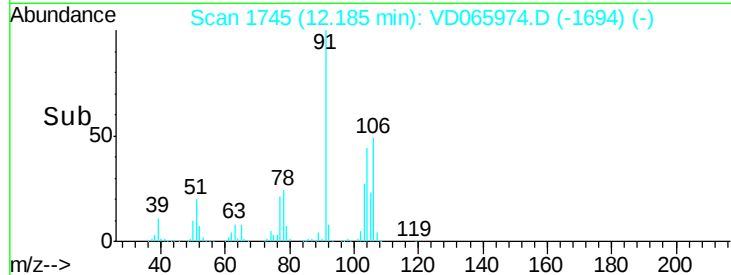
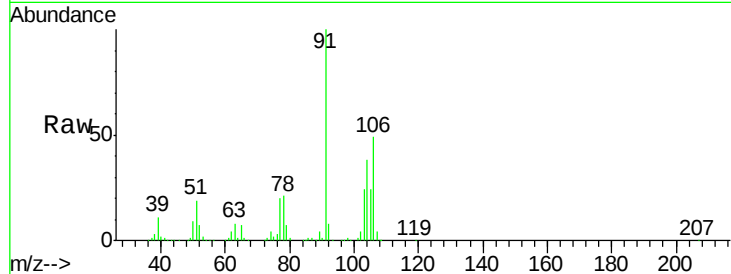
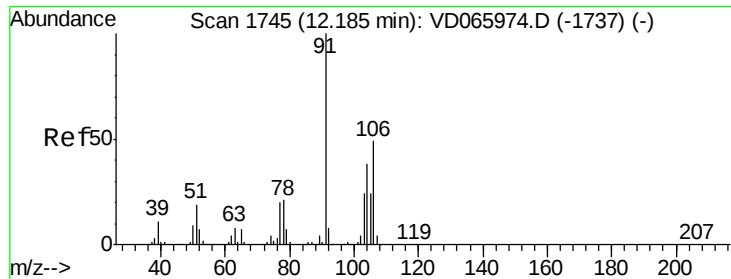
106 100

91 196.3 157.0 235.6



Abundance Ion 106.00 (105.70 to 106.70): V





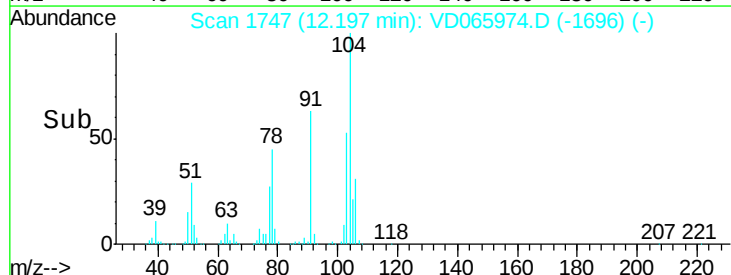
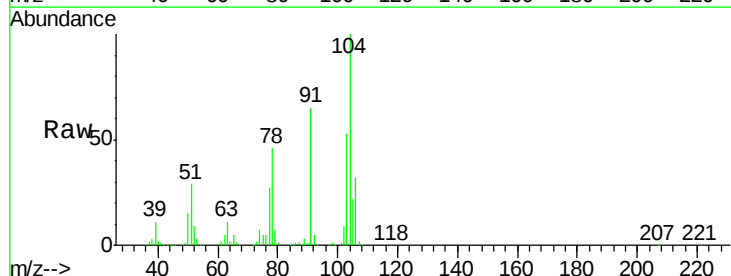
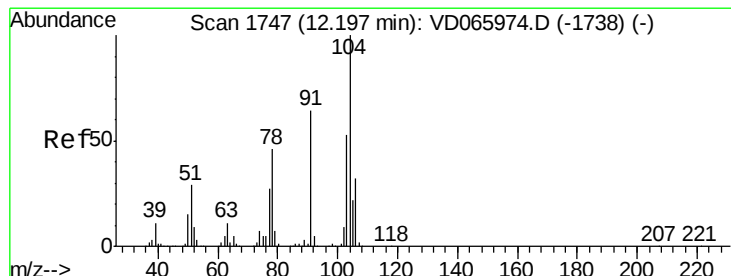
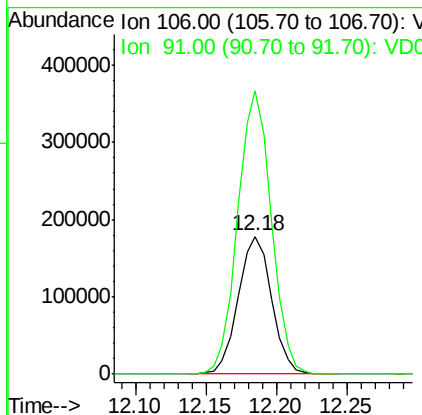
#69
o-Xylene
Concen: 54.279 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065974.D
Acq: 21 Jul 2020 11:16

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		295621		
91	206.2	103.1	309.3		

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

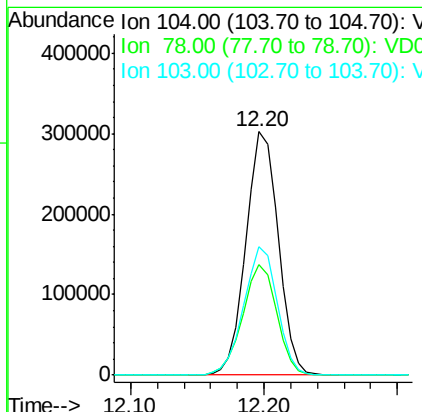
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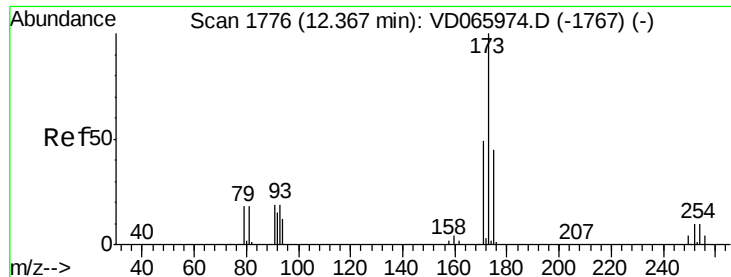
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#70
Styrene
Concen: 53.737 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD065974.D
Acq: 21 Jul 2020 11:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		506608		
78	47.9	38.3	57.5		
103	54.8	43.8	65.8		





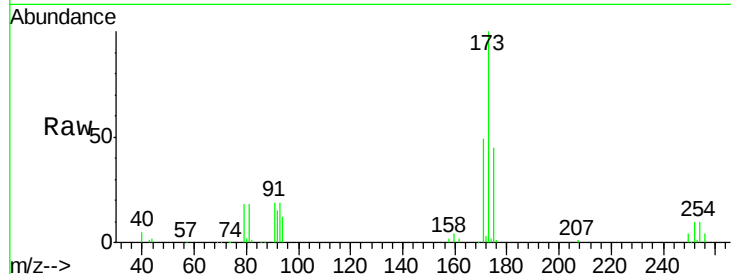
#71
Bromoform
Concen: 51.611 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065974.D
Acq: 21 Jul 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

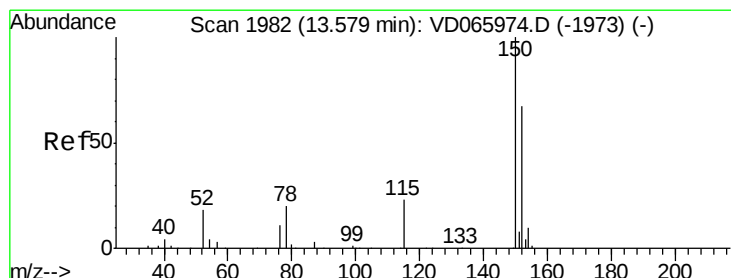
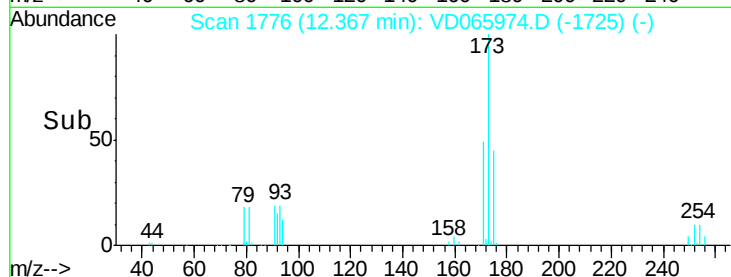
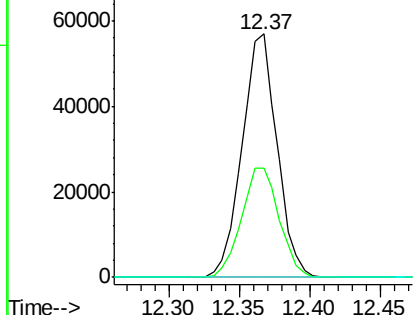
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.1	72.3
254	0.0	0.0	0.0

Manual Integrations
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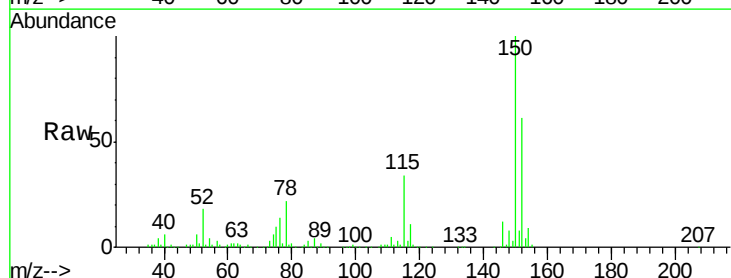


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

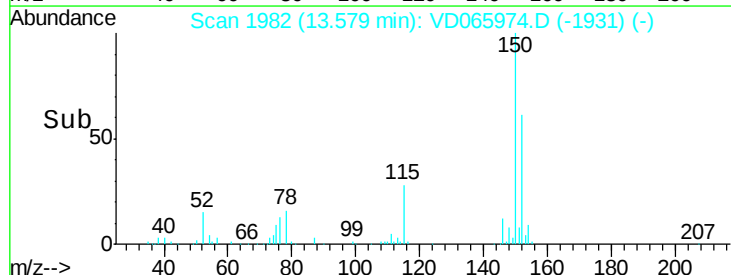
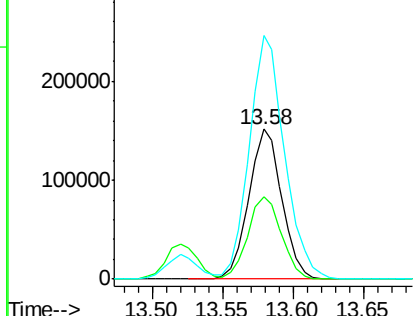


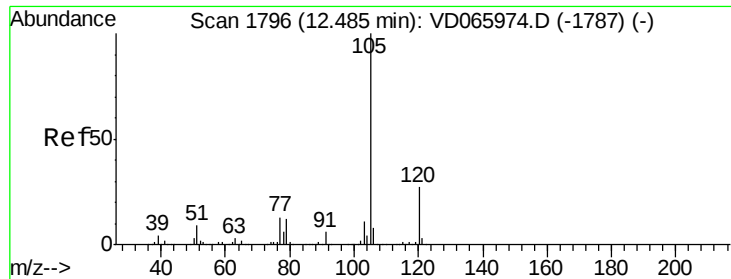
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD065974.D
Acq: 21 Jul 2020 11:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	27.9	83.7
150	174.1	0.0	348.2



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: 54.917 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065974.D

Acq: 21 Jul 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 815552

Ion Ratio Lower Upper

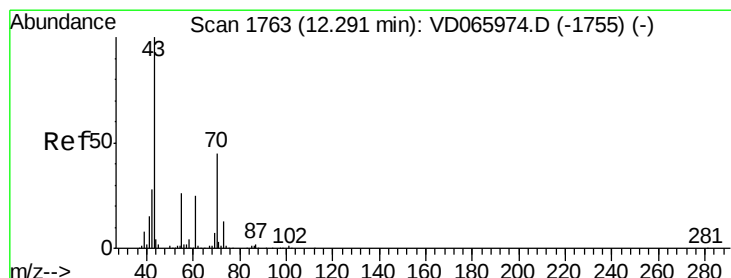
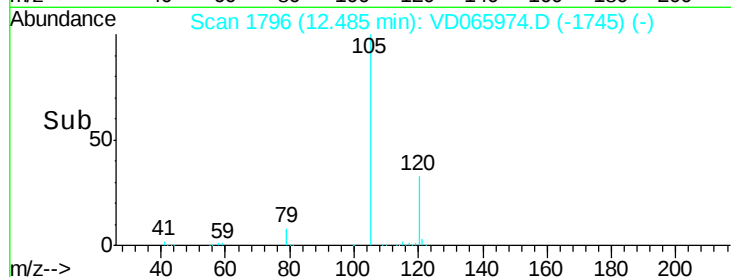
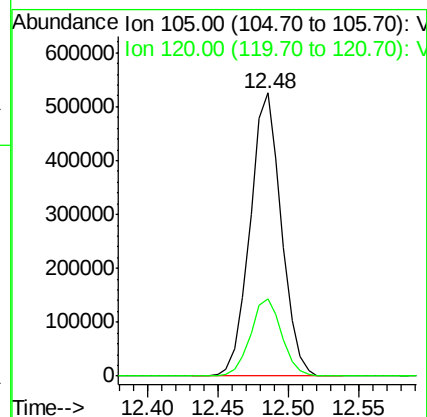
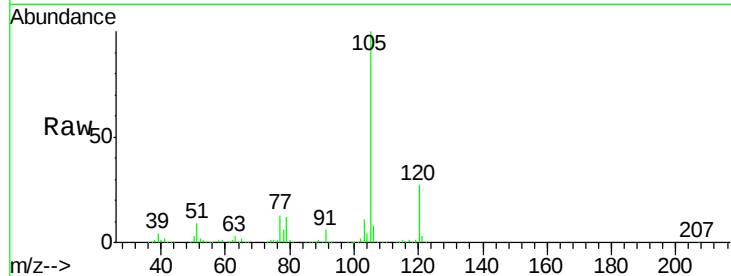
105 100

120 27.2 13.6 40.8

Manual Integrations
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#74

N-ethyl acetate

Concen: 56.373 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD065974.D

Acq: 21 Jul 2020 11:16

Tgt Ion: 43 Resp: 168381

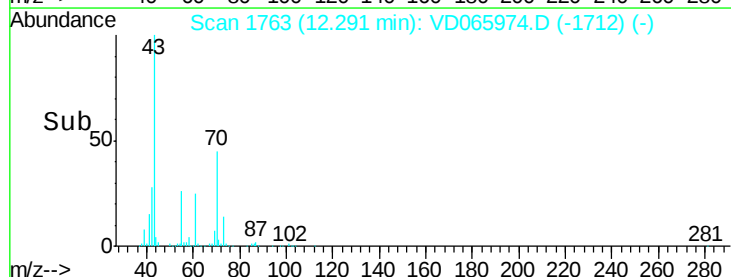
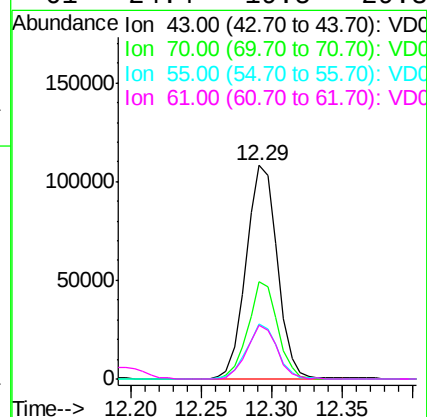
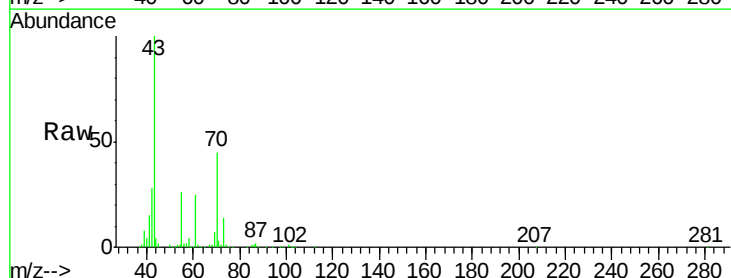
Ion Ratio Lower Upper

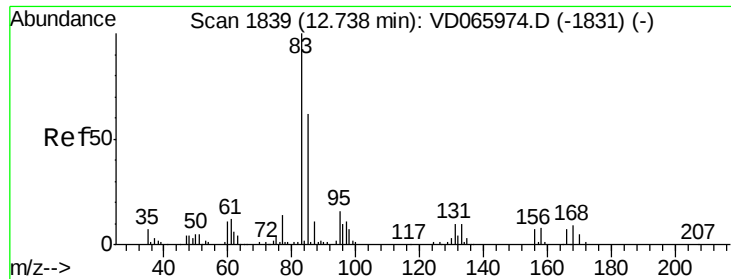
43 100

70 43.2 34.6 51.8

55 25.4 20.3 30.5

61 24.4 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 52.043 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065974.D

Acq: 21 Jul 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 127830
Ion Ratio Lower Upper

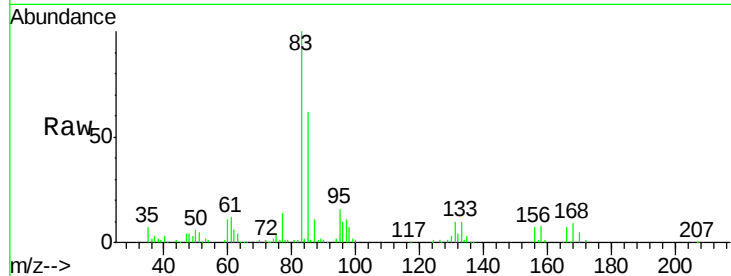
83 100

131 11.4 5.7 17.1

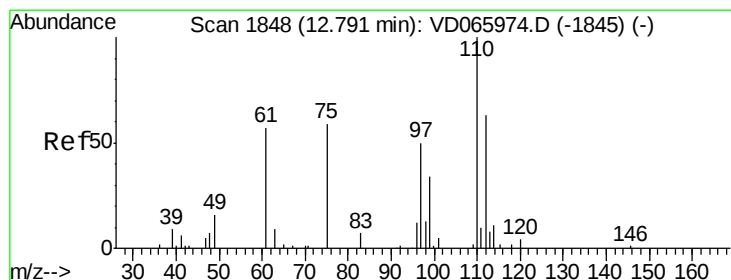
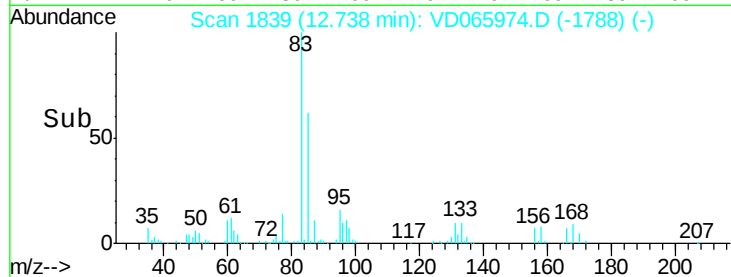
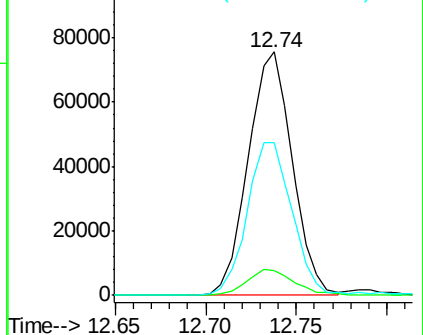
85 63.7 31.9 95.5

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



#76

1,2,3-Trichloropropane

Concen: 42.160 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

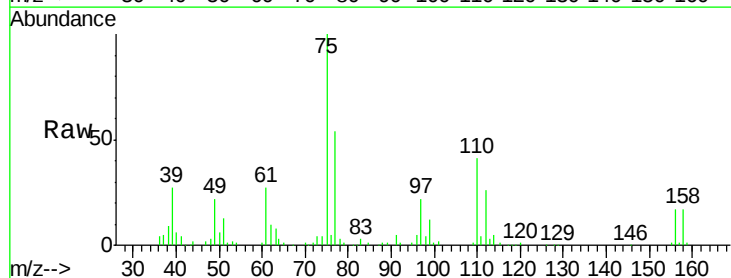
Lab File: VD065974.D

Acq: 21 Jul 2020 11:16

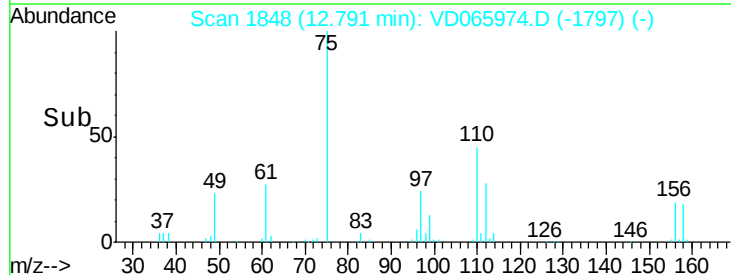
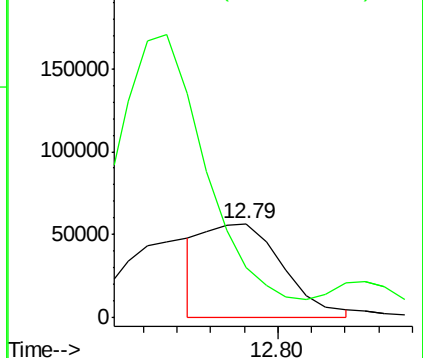
Tgt Ion: 75 Resp: 92908
Ion Ratio Lower Upper

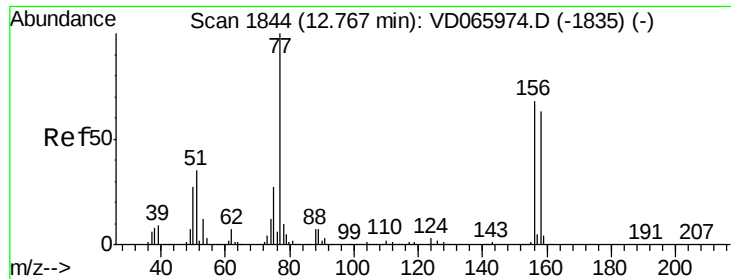
75 100

77 0.0 0.0 0.0



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





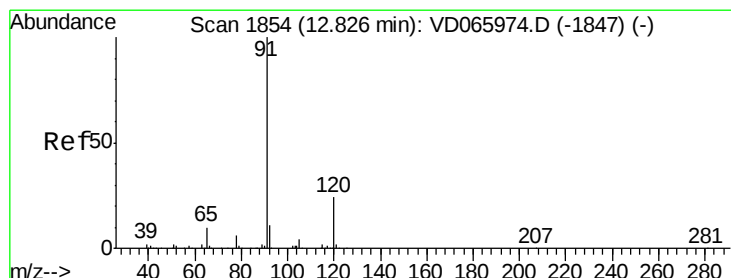
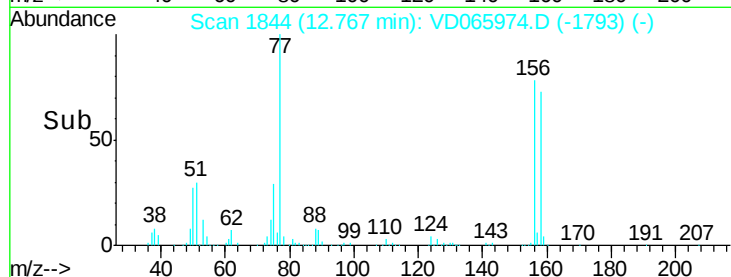
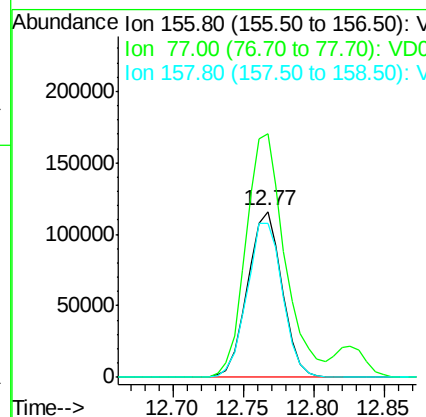
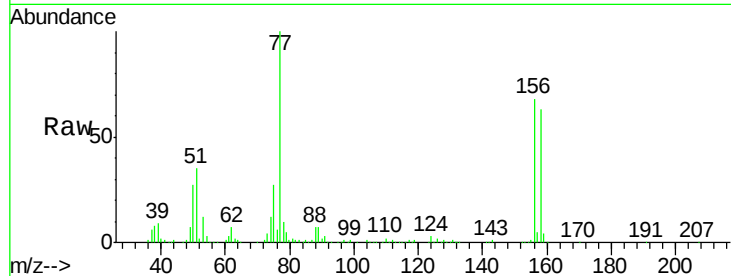
#77
Bromobenzene
Concen: 51.777 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VD065974.D
Acq: 21 Jul 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	166.0	83.0	249.0
158	96.4	48.2	144.6

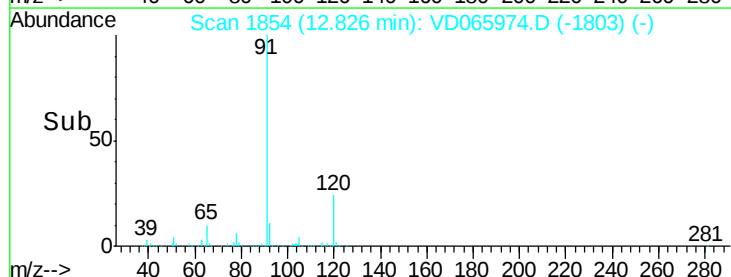
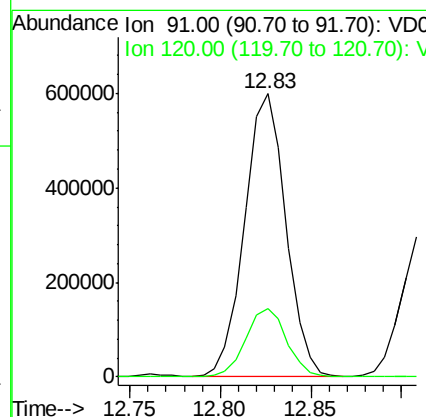
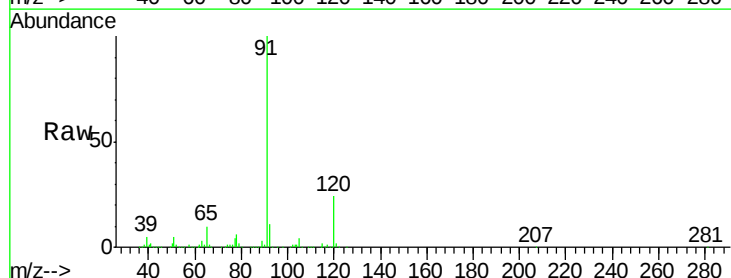
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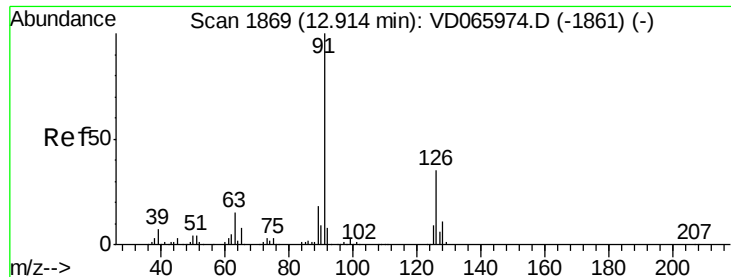
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#78
n-propylbenzene
Concen: 54.335 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD065974.D
Acq: 21 Jul 2020 11:16

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.0	12.0	36.0





#79

2-Chlorotoluene

Concen: 53.301 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065974.D

Acq: 21 Jul 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 529440

Ion Ratio Lower Upper

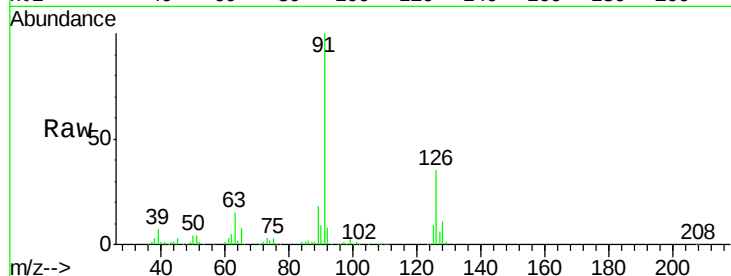
91 100

126 35.4 17.7 53.1

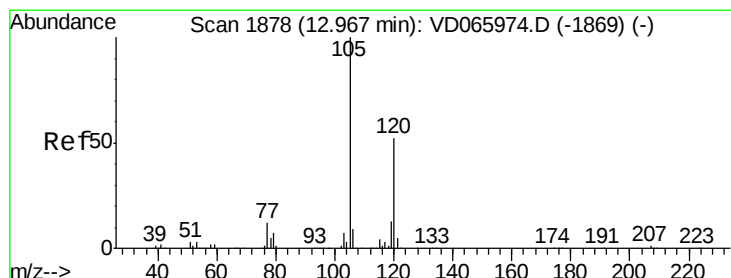
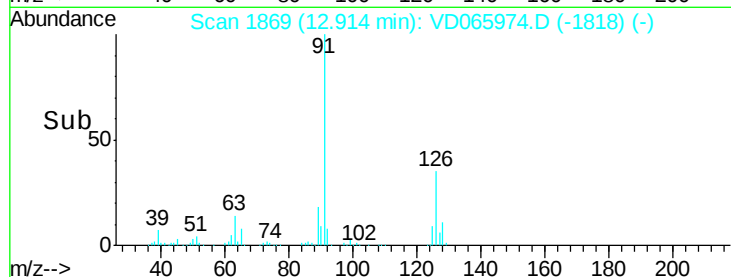
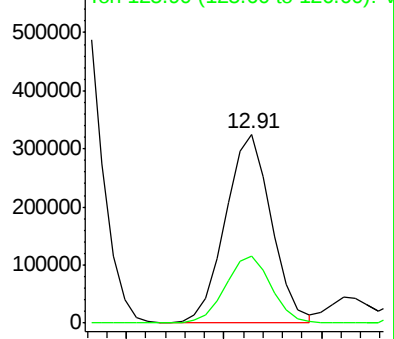
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VD065974.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 54.446 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065974.D

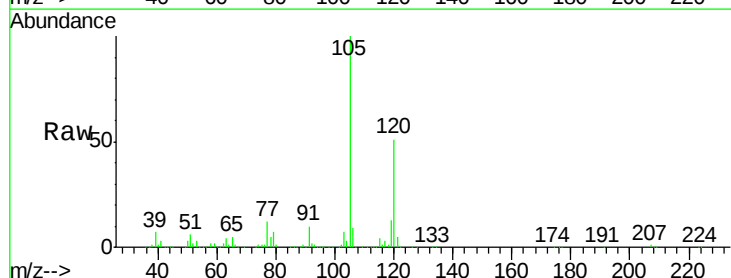
Acq: 21 Jul 2020 11:16

Tgt Ion: 105 Resp: 673498

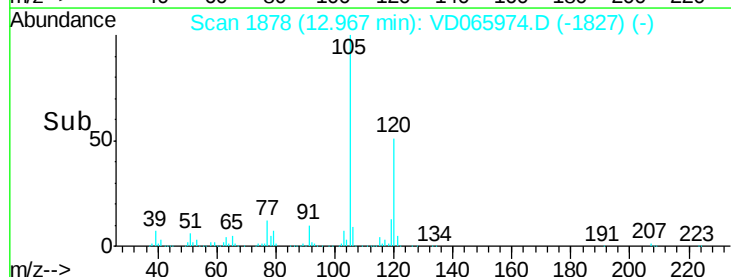
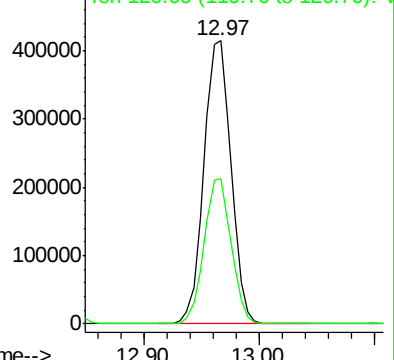
Ion Ratio Lower Upper

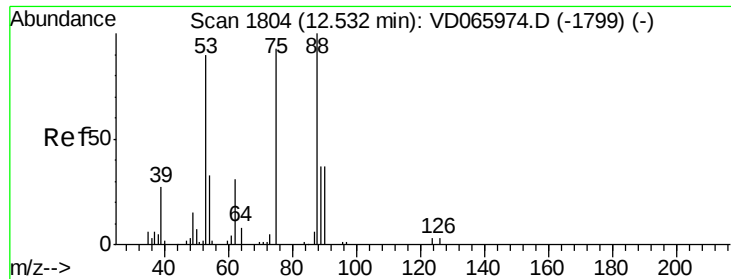
105 100

120 51.1 25.6 76.6



Abundance Ion 105.00 (104.70 to 105.70): VD065974.D (-1869) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 53.770 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD065974.D

Acq: 21 Jul 2020 11:16

Instrument :

MSVOA_D

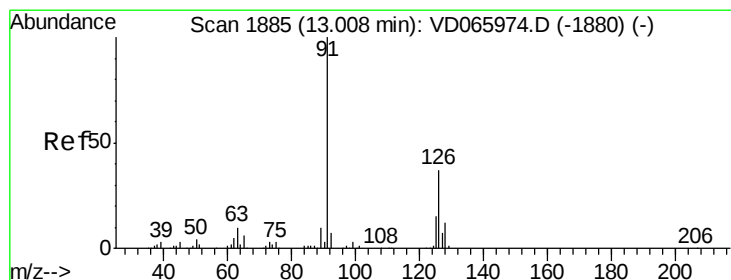
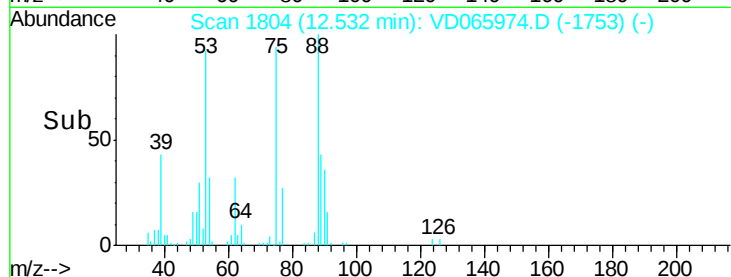
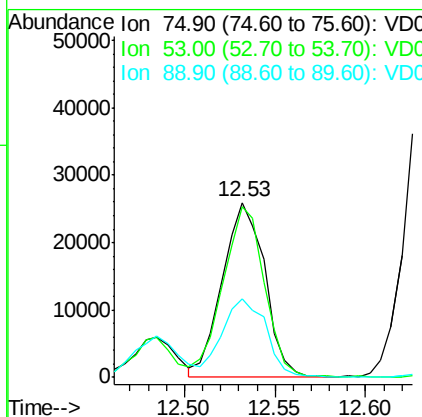
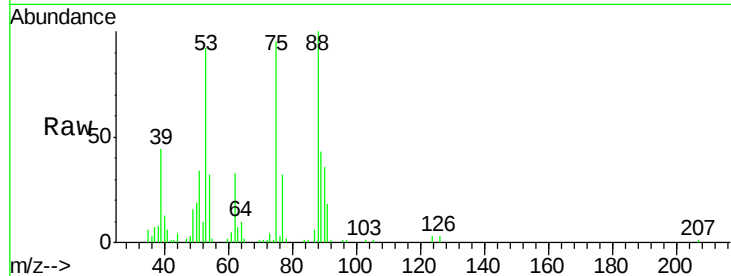
ClientSampleId :

VSTDICCC050

Tot Ion:	75	Resp:	42229
Ion	Ratio	Lower	Upper
75	100		
53	96.0	76.8	115.2
89	46.2	37.0	55.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.904 ug/l

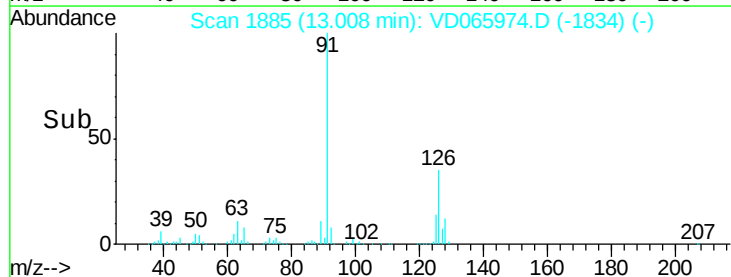
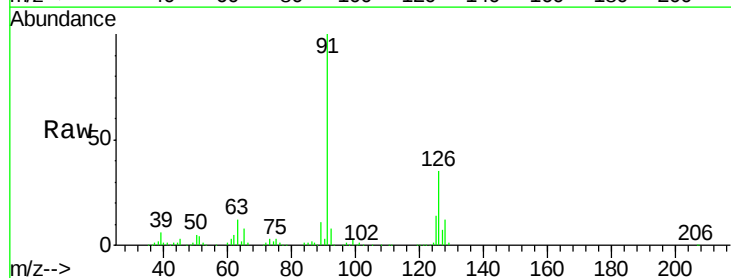
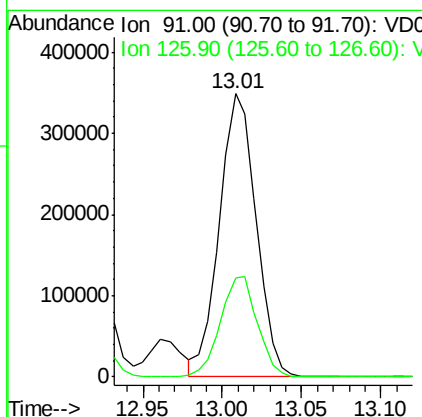
RT: 13.01 min Scan# 1885

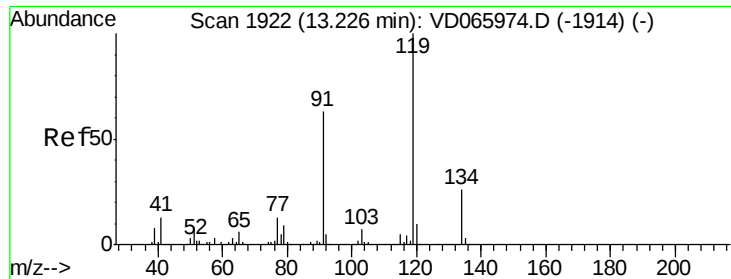
Delta R.T. 0.00 min

Lab File: VD065974.D

Acq: 21 Jul 2020 11:16

Tgt Ion:	91	Resp:	558226
Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.8	53.5





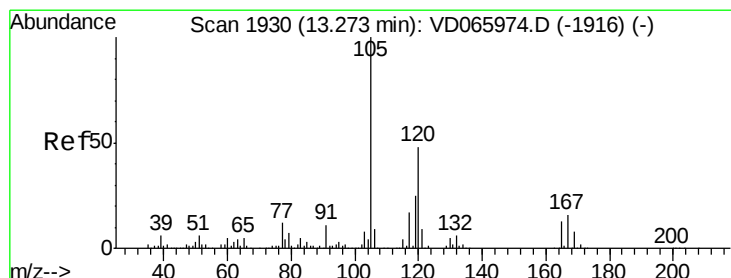
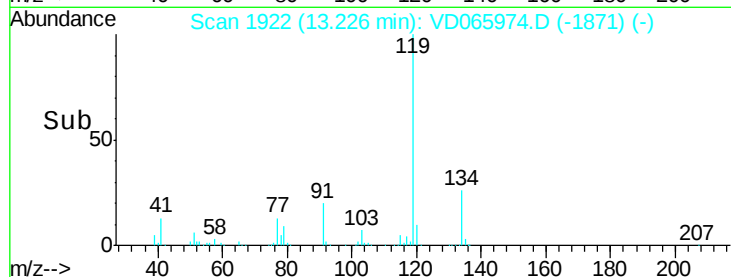
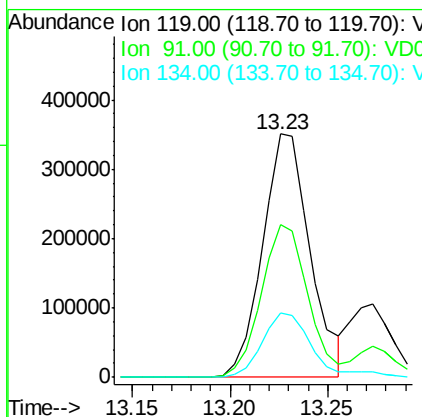
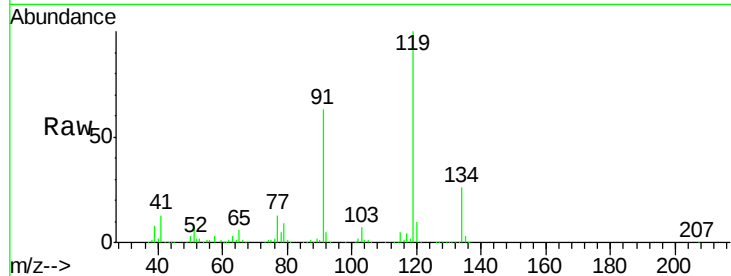
#83
tert-Butylbenzene
Concen: 55.147 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD065974.D
Acq: 21 Jul 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	592431		
91	61.1		30.6	91.6
134	27.8		13.9	41.7

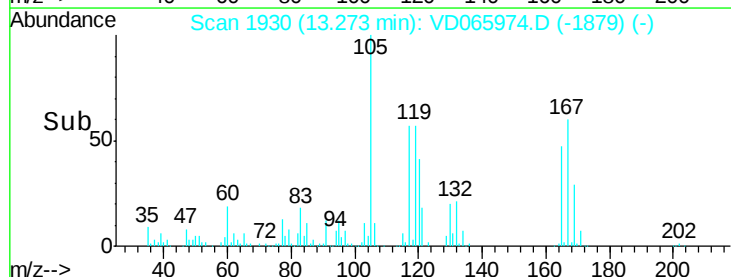
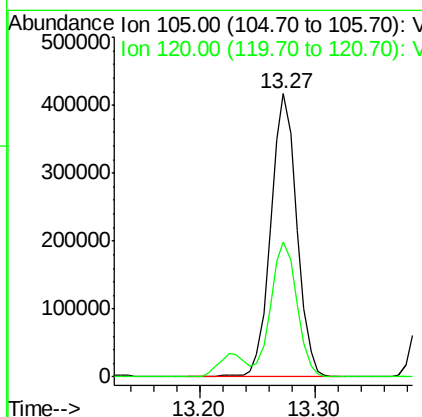
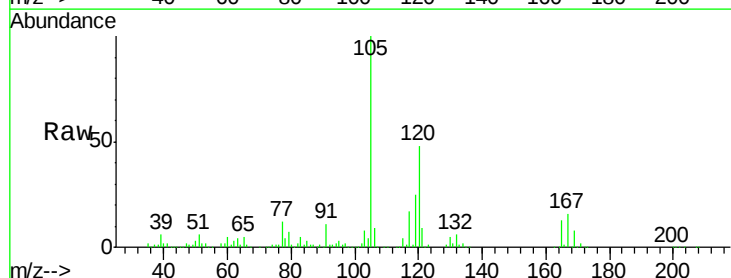
Manual Integrations
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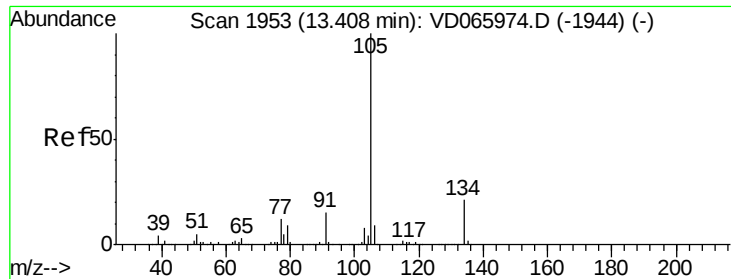
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#84
1,2,4-Trimethylbenzene
Concen: 53.987 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD065974.D
Acq: 21 Jul 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	655007		
120	47.9		23.9	71.8





#85

sec-Butylbenzene

Concen: 54.282 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065974.D

Acq: 21 Jul 2020 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 806263

Ion Ratio Lower Upper

105 100

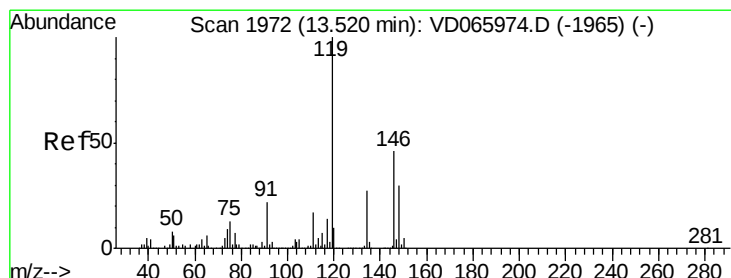
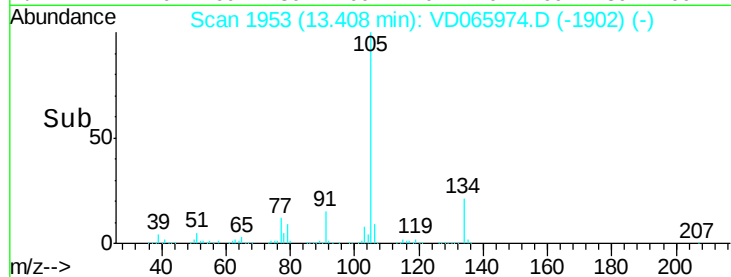
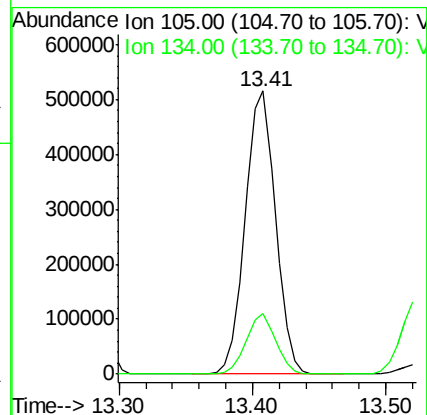
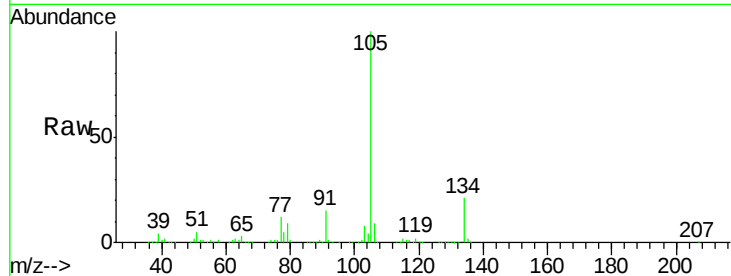
134 20.9 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 55.427 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD065974.D

Acq: 21 Jul 2020 11:16

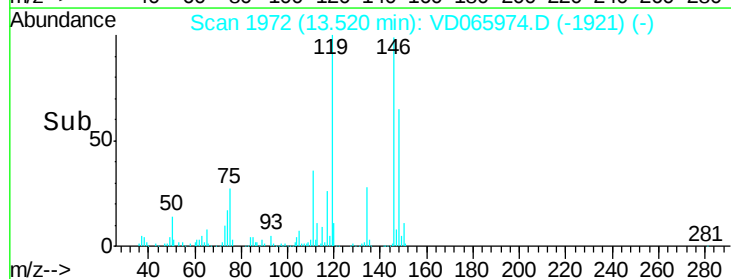
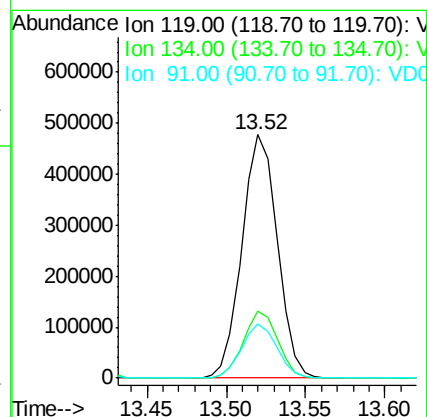
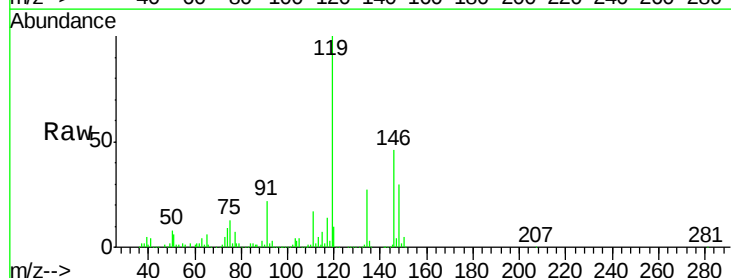
Tgt Ion:119 Resp: 741308

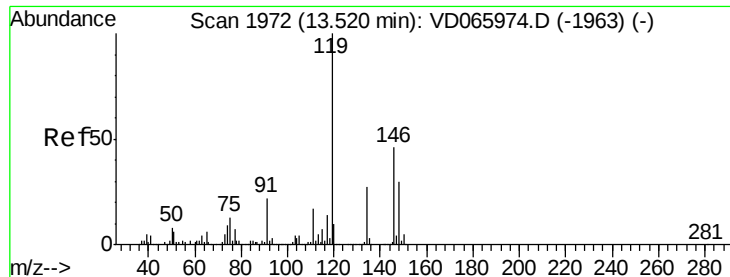
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

91 22.2 11.1 33.3





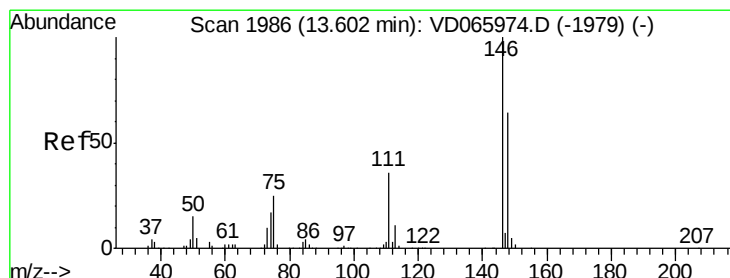
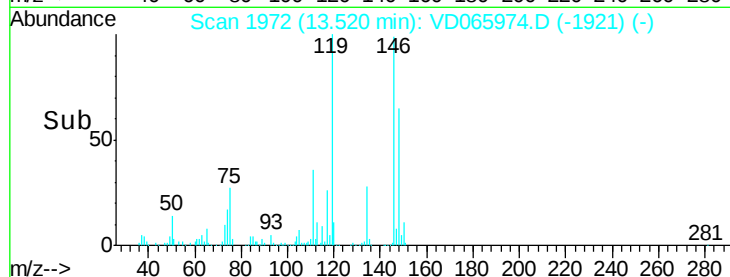
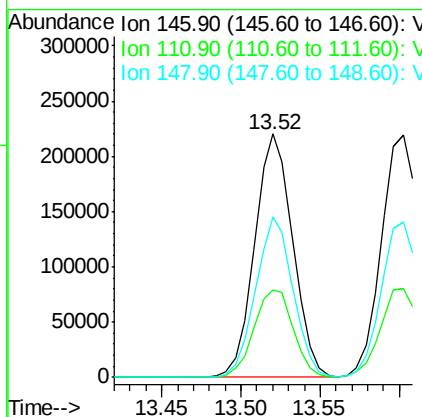
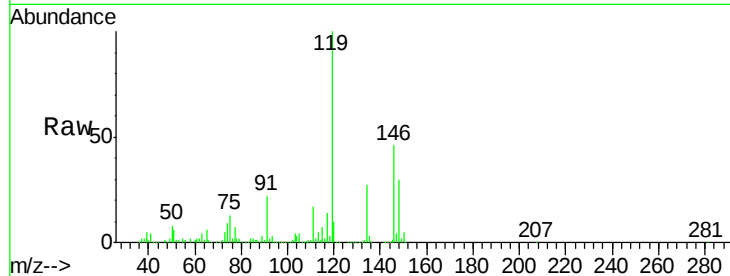
#87
 1,3-Dichlorobenzene
 Concen: 50.845 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD065974.D
 Acq: 21 Jul 2020 11:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.6	55.6
148	64.7	32.4	97.0

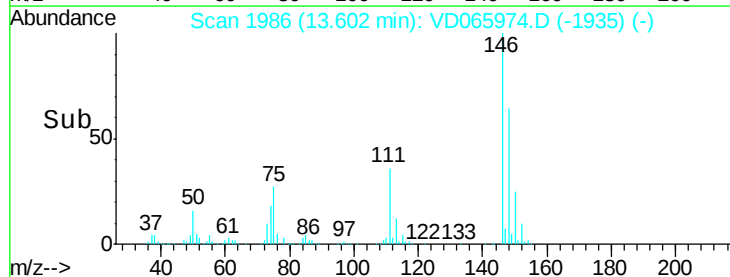
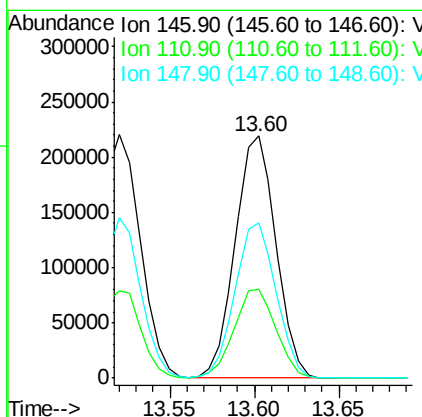
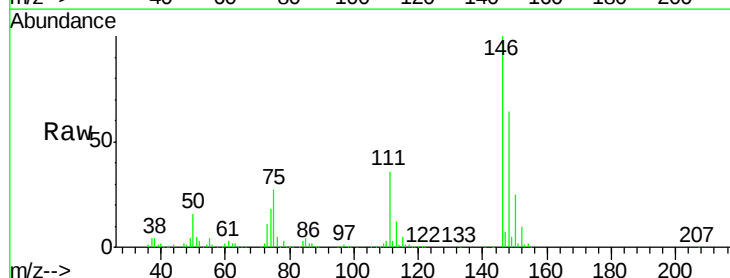
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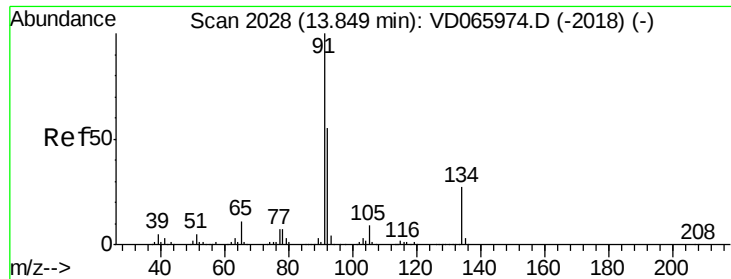
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#88
 1,4-Dichlorobenzene
 Concen: 50.831 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065974.D
 Acq: 21 Jul 2020 11:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.8	56.4
148	64.4	32.2	96.6





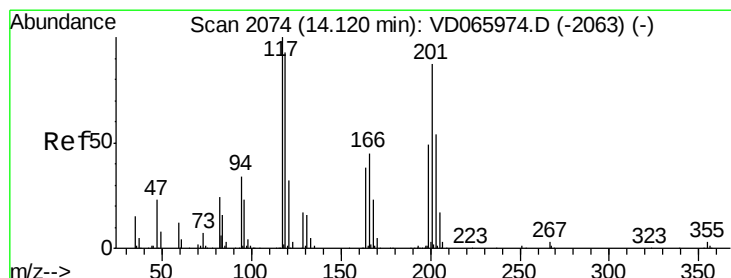
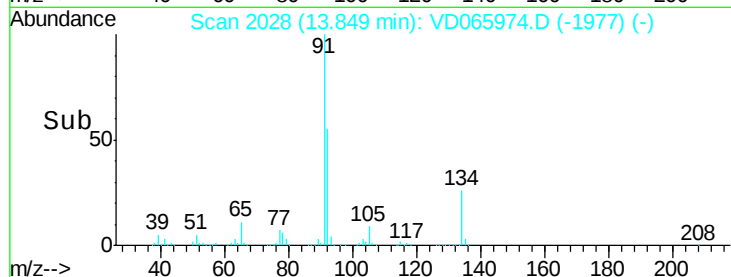
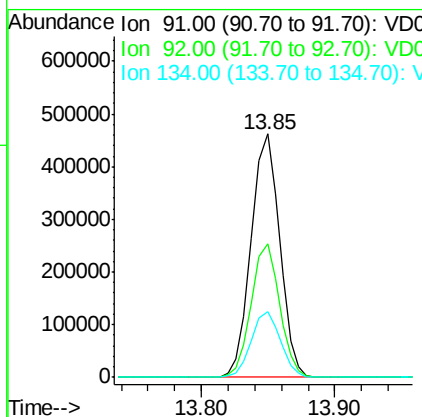
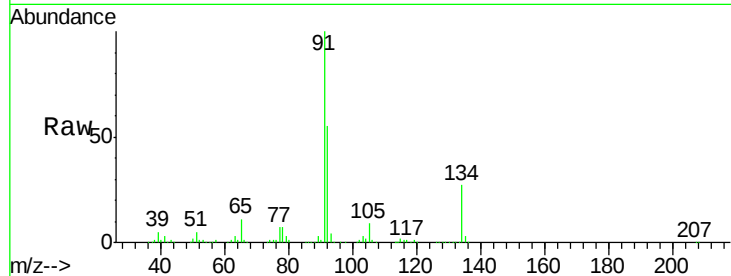
#89
n-Butylbenzene
Concen: 55.227 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD065974.D
Acq: 21 Jul 2020 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.2	81.6
134	27.6	13.8	41.4

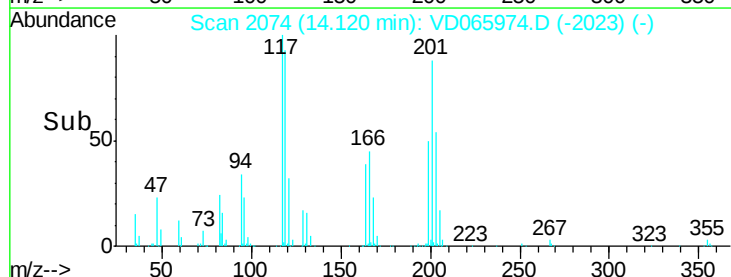
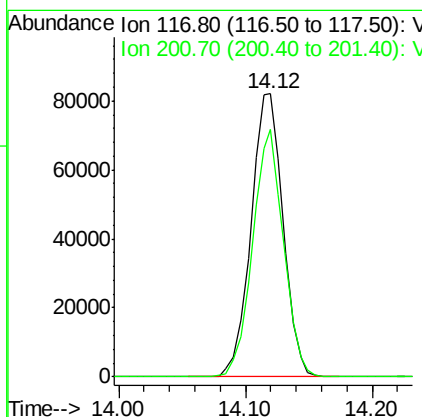
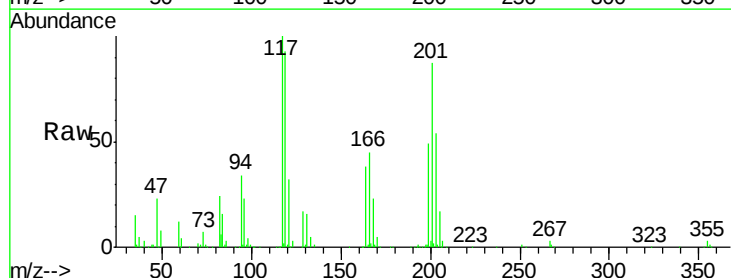
Manual Integrations
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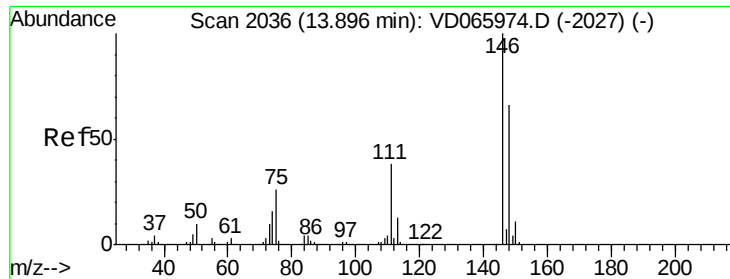
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#90
Hexachloroethane
Concen: 52.525 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065974.D
Acq: 21 Jul 2020 11:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.1	42.0	126.1





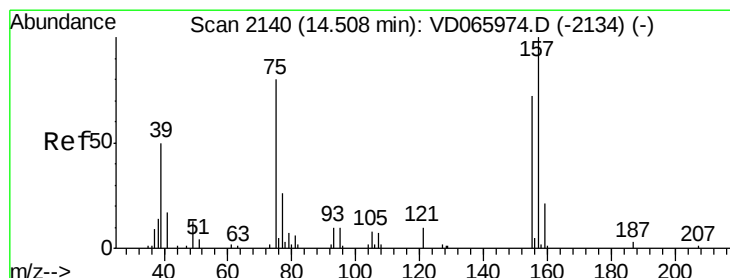
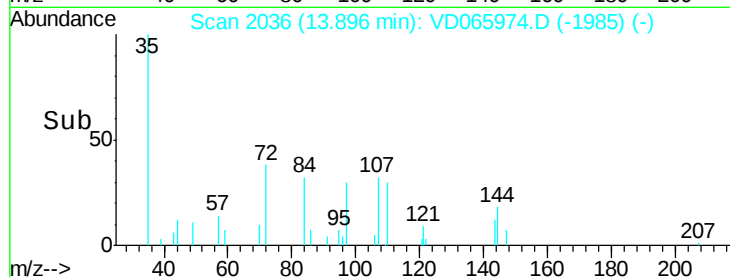
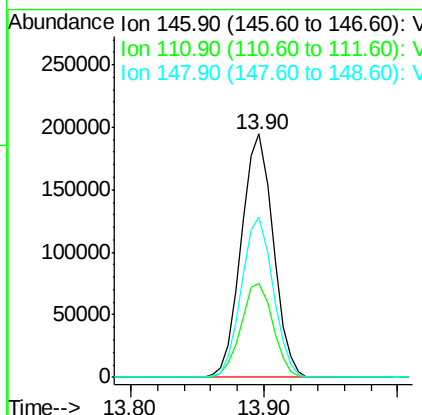
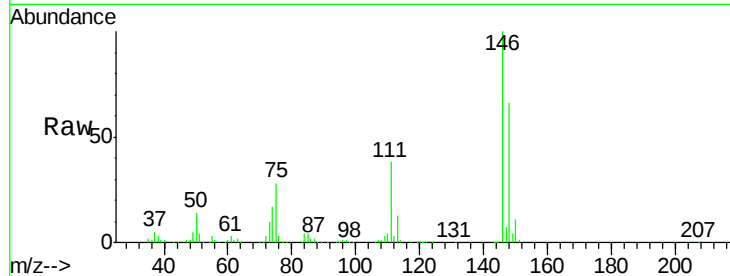
#91
 1,2-Dichlorobenzene
 Concen: 52.060 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD065974.D
 Acq: 21 Jul 2020 11:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.3	57.9
148	65.4	32.7	98.1

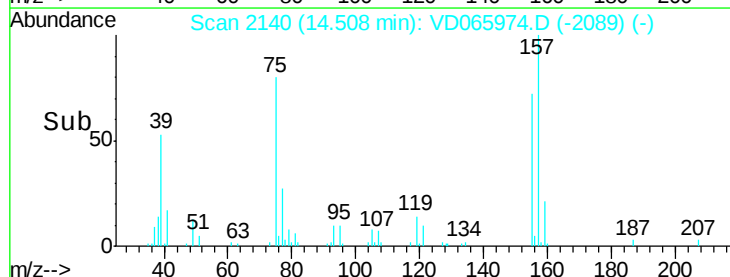
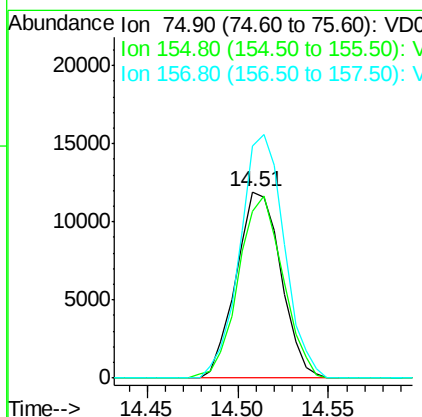
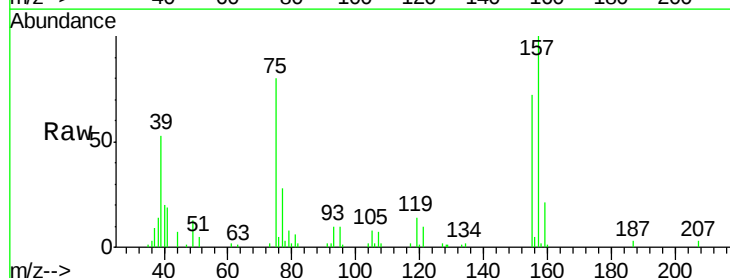
Manual Integrations
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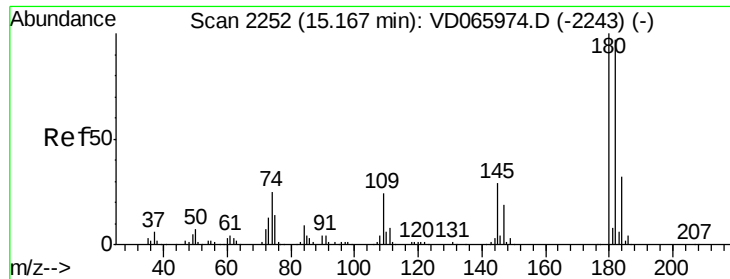
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.392 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD065974.D
 Acq: 21 Jul 2020 11:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.0	48.5	145.5
157	129.4	64.7	194.1





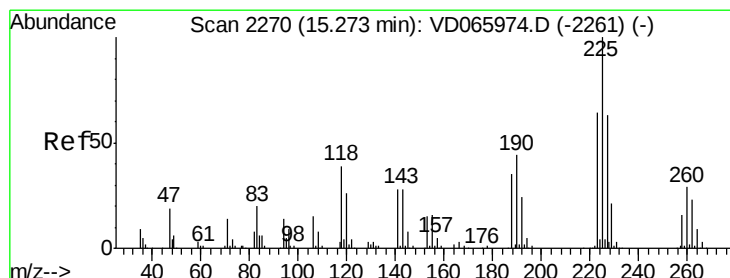
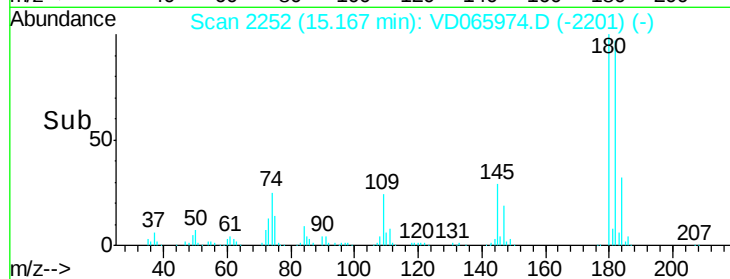
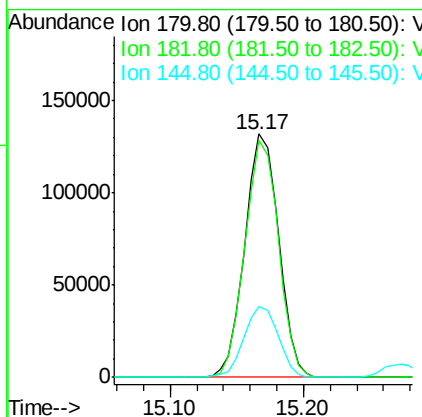
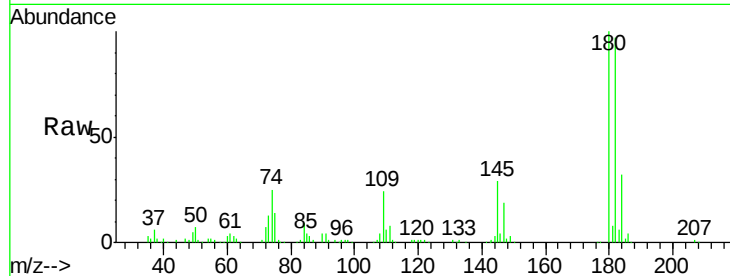
#93
 1,2,4-Trichlorobenzene
 Concen: 53.881 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD065974.D
 Acq: 21 Jul 2020 11:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	232002		
182	96.2	48.1	144.3	
145	29.4	14.7	44.1	

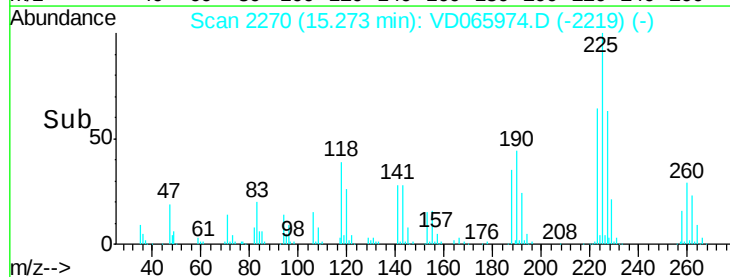
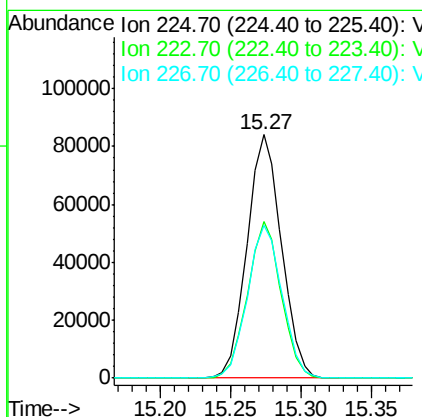
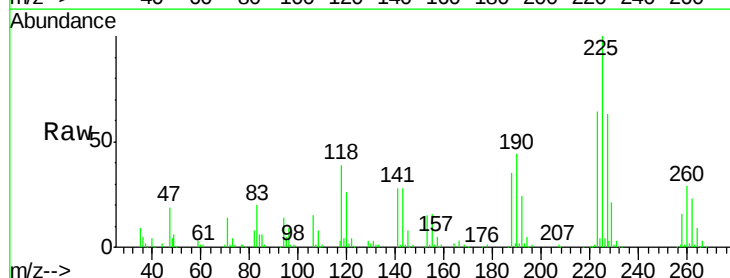
Manual Integrations
 APPROVED

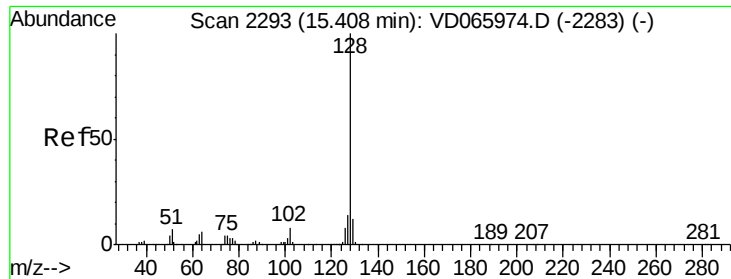
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 53.359 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD065974.D
 Acq: 21 Jul 2020 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	143866		
223	62.4	31.2	93.6	
227	63.2	31.6	94.8	





#95

Naphthalene

Concen: 57.653 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD065974.D

Acq: 21 Jul 2020 11:16

Instrument :

MSVOA_D

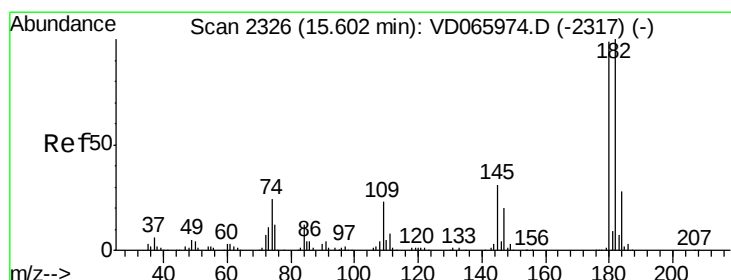
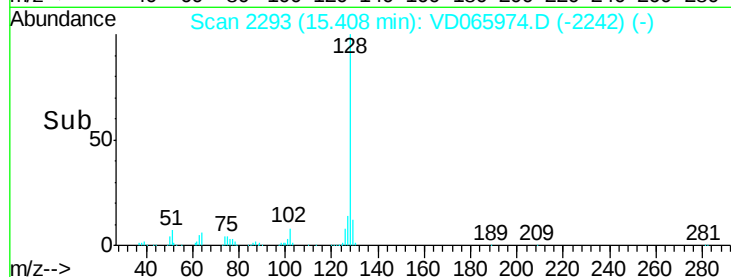
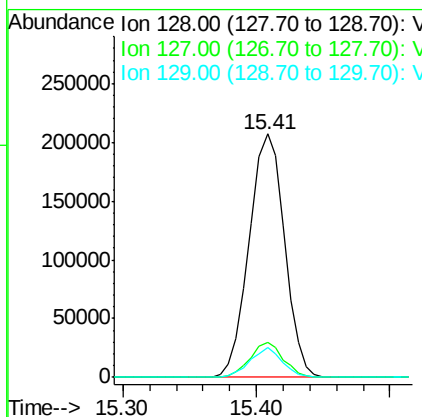
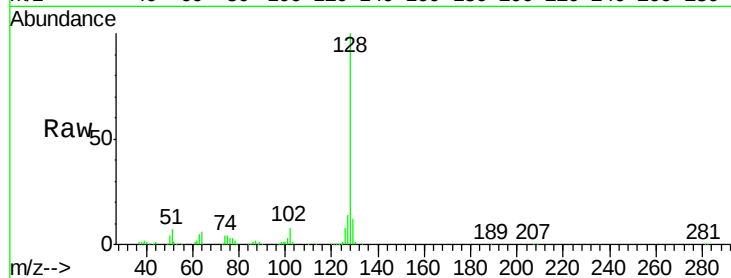
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	379063
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.8	16.2
129	11.1	8.9	13.3

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 53.463 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD065974.D

Acq: 21 Jul 2020 11:16

Tgt Ion:	180	Resp:	201462
Ion Ratio	Lower	Upper	
180	100		
182	95.7	47.9	143.6
145	30.8	15.4	46.2

