

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072120\
 Data File : VD065973.D
 Acq On : 21 Jul 2020 10:49
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
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 7/22/2020 2:44:20 PM

Quant Time: Jul 21 12:12:44 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	7.99	168	388771	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	565190	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	506752	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	263373	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	55522	17.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.06%	
35) Dibromofluoromethane	7.92	113	59156	17.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.84%	
50) Toluene-d8	10.34	98	221227	17.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.98%	
62) 4-Bromofluorobenzene	12.64	95	79244	17.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.44%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	66175	21.158	ug/l 95
3) Chloromethane	2.21	50	50920	20.615	ug/l 100
4) Vinyl Chloride	2.35	62	48149	20.189	ug/l 99
5) Bromomethane	2.76	94	38684	18.973	ug/l 90
6) Chloroethane	2.92	64	28276	19.675	ug/l # 88
7) Trichlorofluoromethane	3.27	101	116004	20.213	ug/l 99
8) Diethyl Ether	3.71	74	30895	20.912	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	69626	20.460	ug/l 98
10) Methyl Iodide	4.30	142	39423	21.206	ug/l 98
11) Tert butyl alcohol	5.22	59	23440	87.306	ug/l # 91
12) 1,1-Dichloroethene	4.07	96	66574	20.607	ug/l 95
13) Acrolein	3.92	56	28140	108.472	ug/l 99
14) Allyl chloride	4.71	41	99737	20.112	ug/l 98
15) Acrylonitrile	5.43	53	64517	101.761	ug/l 99
16) Acetone	4.16	43	55987	87.611	ug/l 92
17) Carbon Disulfide	4.41	76	214425	20.323	ug/l 97
18) Methyl Acetate	4.72	43	28689	19.515	ug/l 93
19) Methyl tert-butyl Ether	5.48	73	132471	20.906	ug/l 98
20) Methylene Chloride	4.97	84	76676	17.392	ug/l 97
21) trans-1,2-Dichloroethene	5.47	96	74452	20.404	ug/l 95
22) Diisopropyl ether	6.36	45	195392	20.813	ug/l 98
23) Vinyl Acetate	6.31	43	543326	105.470	ug/l 95
24) 1,1-Dichloroethane	6.27	63	115689	19.701	ug/l 99
25) 2-Butanone	7.21	43	81874	97.167	ug/l 97
26) 2,2-Dichloropropane	7.21	77	104565	19.401	ug/l 98
27) cis-1,2-Dichloroethene	7.21	96	76903	20.114	ug/l 100
28) Bromochloromethane	7.55	49	49111	20.256	ug/l 98
29) Tetrahydrofuran	7.57	42	52975	103.039	ug/l 99
30) Chloroform	7.71	83	122192	20.064	ug/l 100
31) Cyclohexane	7.99	56	113053	19.184	ug/l 92
32) 1,1,1-Trichloroethane	7.91	97	111957	19.647	ug/l 99
36) 1,1-Dichloropropene	8.11	75	97697	19.906	ug/l 98
37) Ethyl Acetate	7.30	43	37190	19.753	ug/l 99
38) Carbon Tetrachloride	8.10	117	105986	20.360	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	117632	20.238	ug/l	91
40) Benzene	8.36	78	274712	20.180	ug/l	95
41) Methacrylonitrile	7.53	41	23433m	16.648	ug/l	
42) 1,2-Dichloroethane	8.43	62	74608	19.941	ug/l	100
43) Isopropyl Acetate	8.46	43	71086	20.513	ug/l	99
44) Trichloroethene	9.11	130	82394	20.119	ug/l	94
45) 1,2-Dichloropropane	9.39	63	66094	20.246	ug/l	95
46) Dibromomethane	9.48	93	34758	19.453	ug/l	96
47) Bromodichloromethane	9.67	83	94535	20.189	ug/l	97
48) Methyl methacrylate	9.46	41	36268	20.094	ug/l	99
49) 1,4-Dioxane	9.46	88	8277	419.077	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	178979	101.148	ug/l	98
52) Toluene	10.41	92	180312	20.569	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	87056	21.033	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	104082	20.317	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	49269	20.036	ug/l	93
56) Ethyl methacrylate	10.67	69	56135	20.313	ug/l	94
57) 1,3-Dichloropropane	10.95	76	84688	20.701	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	137687	102.079	ug/l	98
59) 2-Hexanone	10.98	43	124588	102.464	ug/l	97
60) Dibromochloromethane	11.14	129	68835	20.717	ug/l	100
61) 1,2-Dibromoethane	11.25	107	47389	19.925	ug/l	96
64) Tetrachloroethene	10.88	164	73075	21.094	ug/l	95
65) Chlorobenzene	11.67	112	194543	20.811	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	70111	20.270	ug/l	95
67) Ethyl Benzene	11.75	91	335637	20.934	ug/l	97
68) m/p-Xylenes	11.86	106	263094	42.431	ug/l	99
69) o-Xylene	12.18	106	117963	21.371	ug/l	98
70) Styrene	12.20	104	205496	21.507	ug/l	98
71) Bromoform	12.36	173	41392	21.294	ug/l #	99
73) Isopropylbenzene	12.48	105	328204	20.806	ug/l	98
74) N-amyl acetate	12.30	43	63559	20.032	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	54688	20.961	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	40662m	17.371	ug/l	
77) Bromobenzene	12.77	156	83497	20.505	ug/l	97
78) n-propylbenzene	12.83	91	378082	20.455	ug/l	99
79) 2-Chlorotoluene	12.91	91	214114	20.293	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	271086	20.631	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	16809	20.149	ug/l	98
82) 4-Chlorotoluene	13.01	91	231546	20.658	ug/l	100
83) tert-Butylbenzene	13.23	119	233584	20.470	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	269863	20.939	ug/l	100
85) sec-Butylbenzene	13.41	105	321845	20.399	ug/l	98
86) p-Isopropyltoluene	13.52	119	298262	20.994	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	156568	20.367	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	155074	20.127	ug/l	99
89) n-Butylbenzene	13.85	91	270324	20.572	ug/l	99
90) Hexachloroethane	14.12	117	59370	20.358	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	134310	20.405	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	8475	20.391	ug/l	97

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VSTDICC020

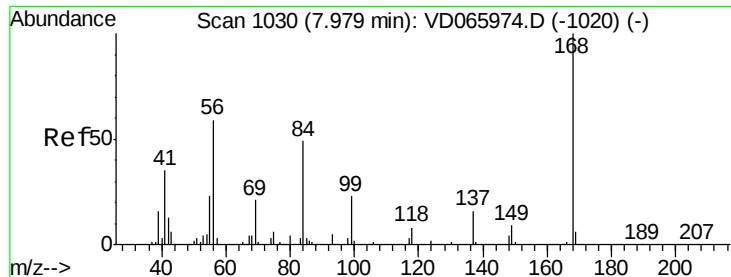
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	93991	20.550	ug/l	97
94) Hexachlorobutadiene	15.27	225	59051	20.619	ug/l	99
95) Naphthalene	15.41	128	147599	21.134	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	81540	20.371	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 388771

Ion Ratio Lower Upper

168 100

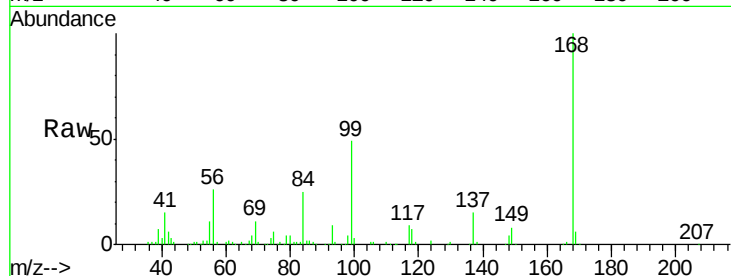
99 49.2 40.8 61.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

200000

150000

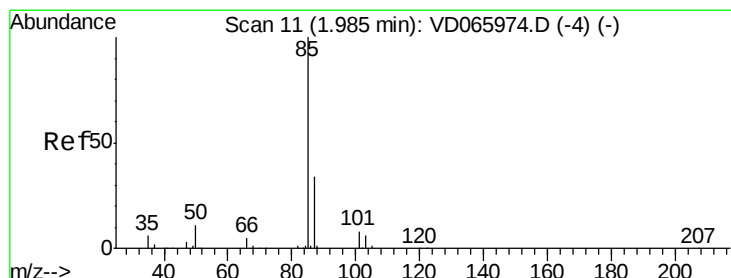
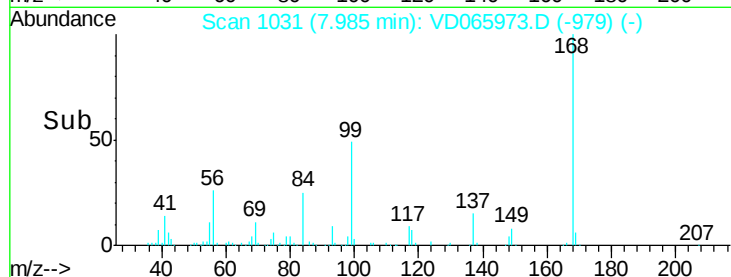
100000

50000

0

7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 21.158 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065973.D

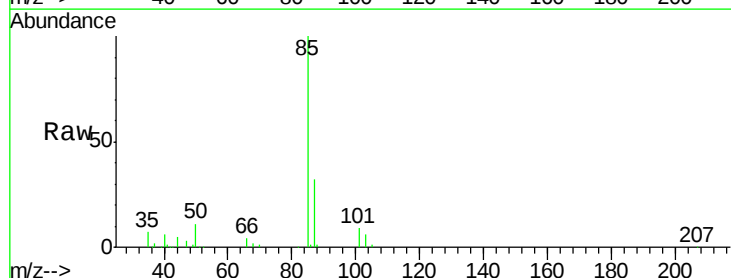
Acq: 21 Jul 2020 10:49

Tgt Ion: 85 Resp: 66175

Ion Ratio Lower Upper

85 100

87 31.5 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

50000

40000

30000

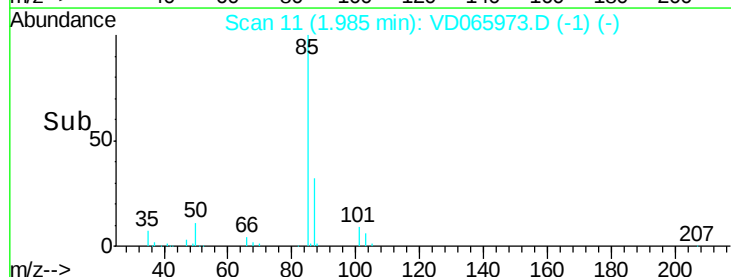
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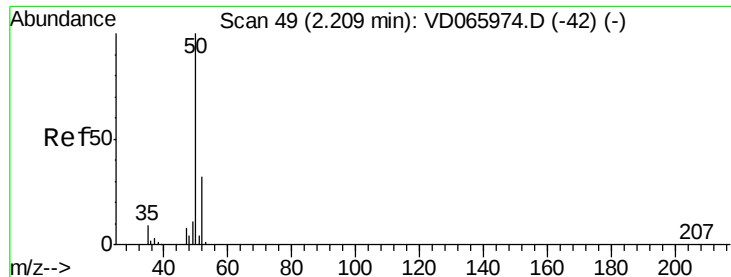
10000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 20.615 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 50920

Ion Ratio Lower Upper

50 100

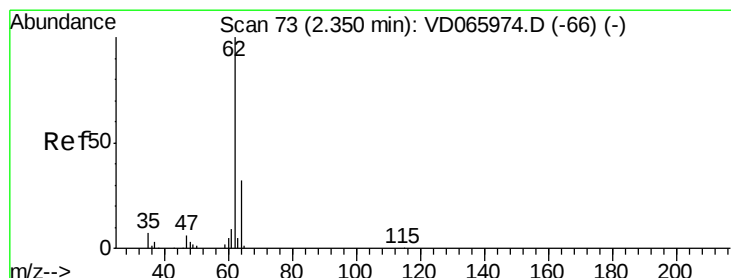
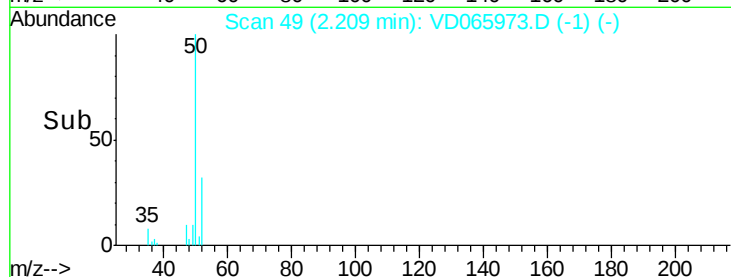
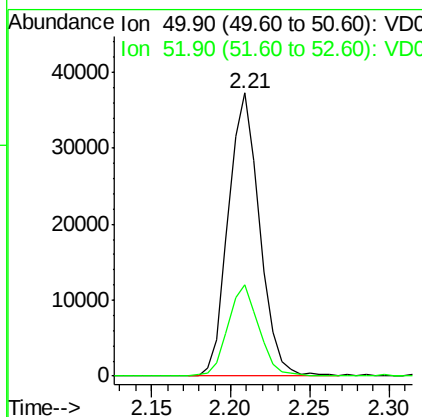
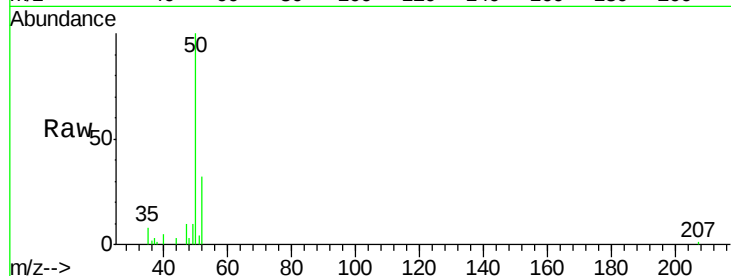
52 32.2 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.189 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065973.D

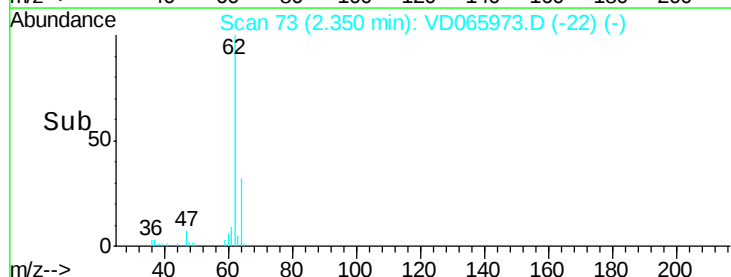
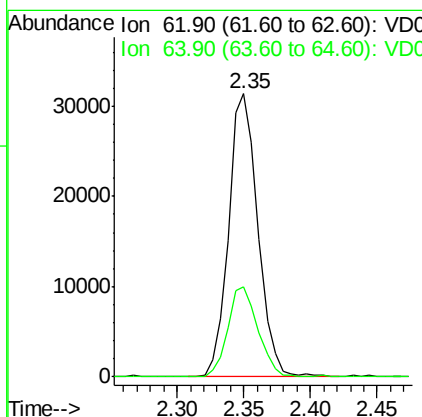
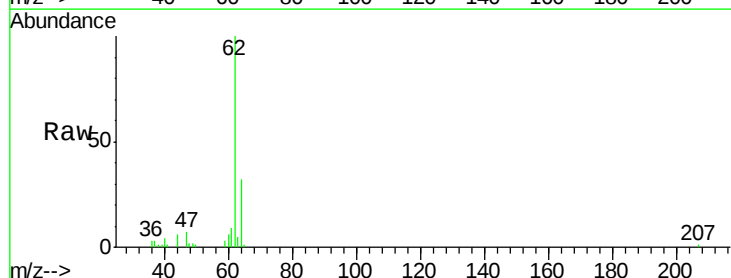
Acq: 21 Jul 2020 10:49

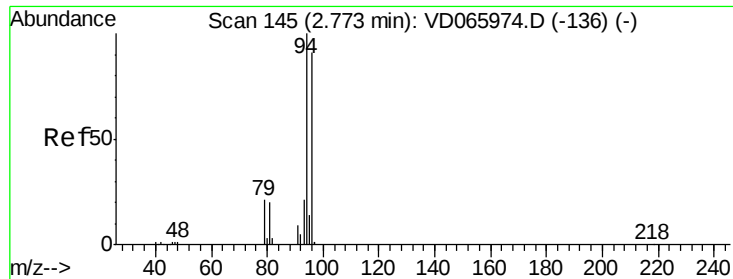
Tgt Ion: 62 Resp: 48149

Ion Ratio Lower Upper

62 100

64 31.9 25.8 38.8





#5

Bromomethane

Concen: 18.973 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 38684

Ion Ratio Lower Upper

94 100

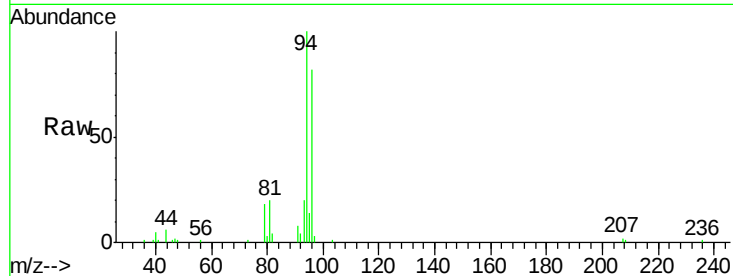
96 82.1 73.0 109.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

20000

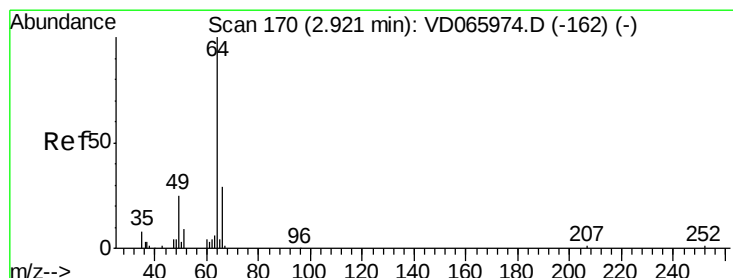
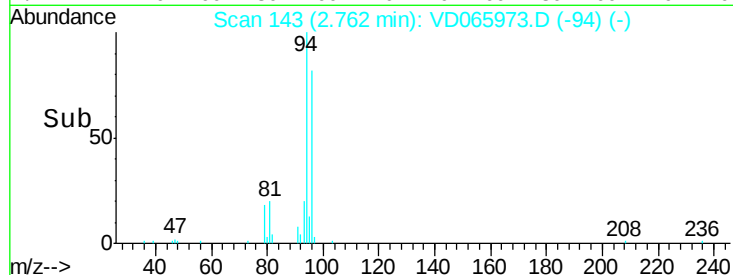
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 19.675 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD065973.D

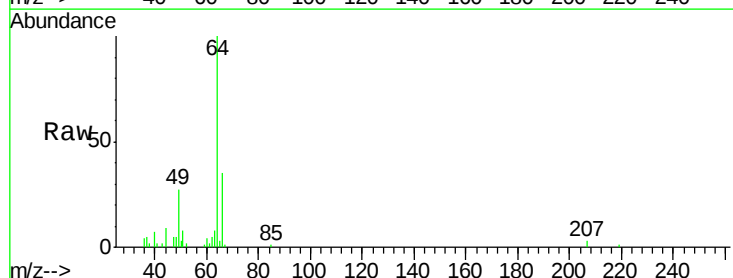
Acq: 21 Jul 2020 10:49

Tgt Ion: 64 Resp: 28276

Ion Ratio Lower Upper

64 100

66 35.4 23.4 35.0#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

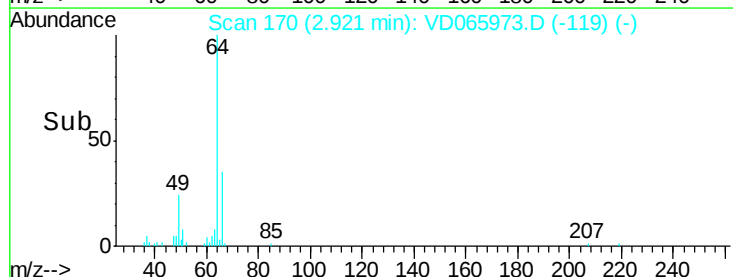
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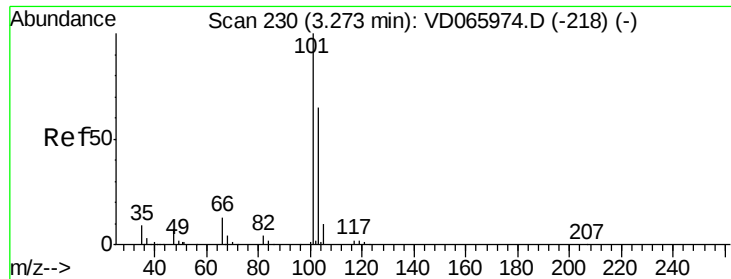
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5000

0

Time-->





#7

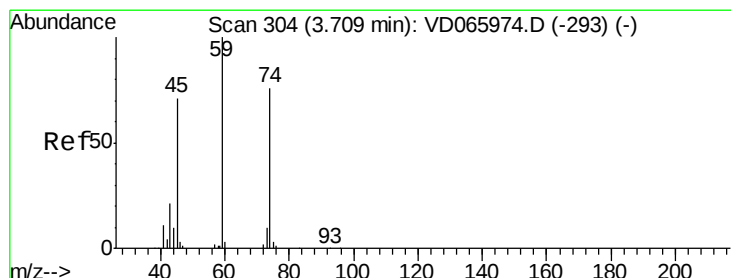
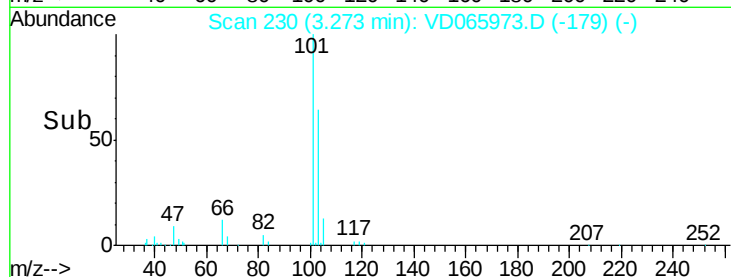
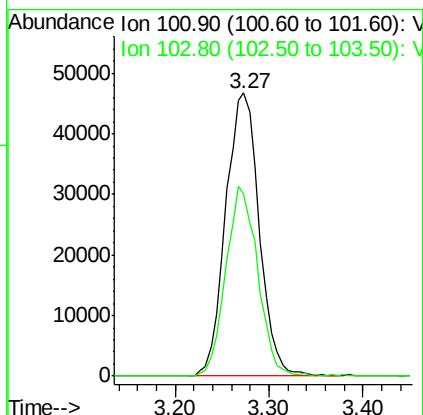
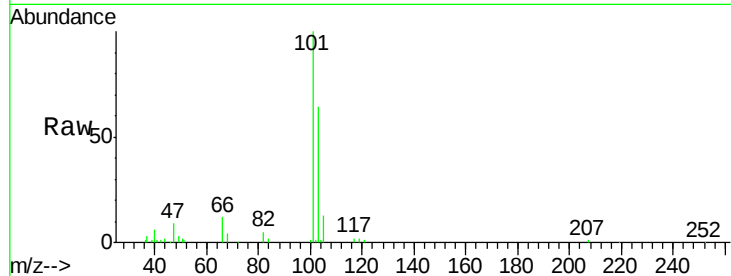
Trichlorofluoromethane
Concen: 20.213 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	116004		
103	64.2	52.1	78.1	

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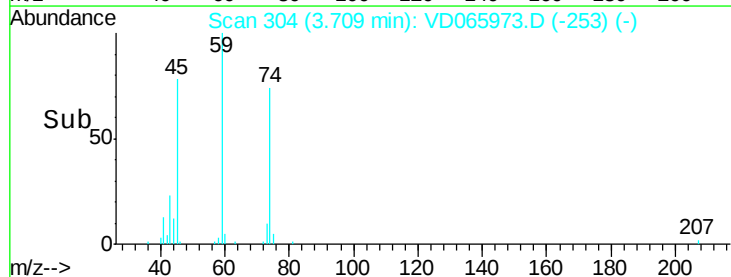
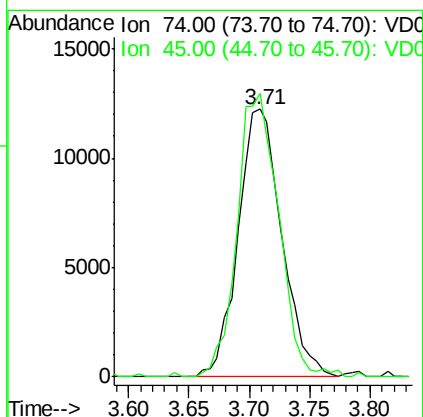
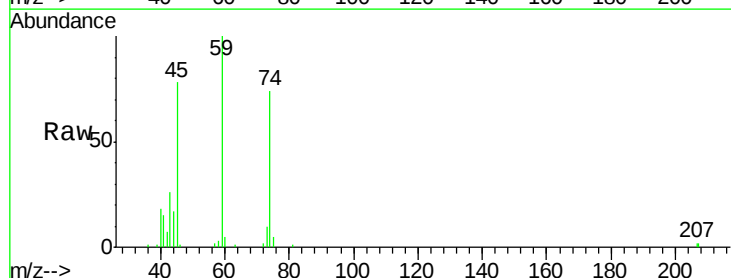
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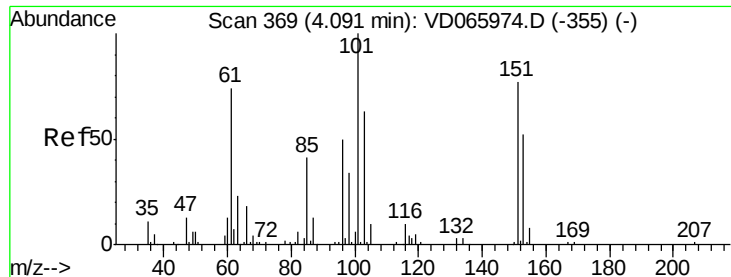


#8

Diethyl Ether
Concen: 20.912 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	30895		
45	99.8	49.9	149.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.460 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Instrument :

MSVOA_D

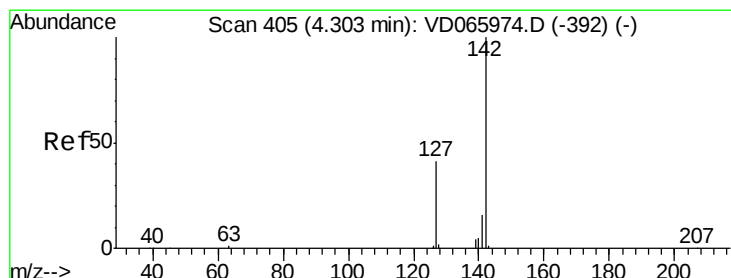
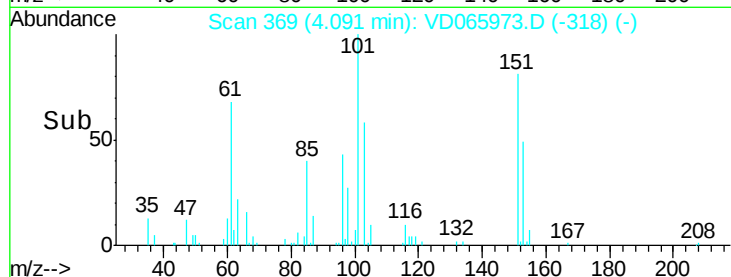
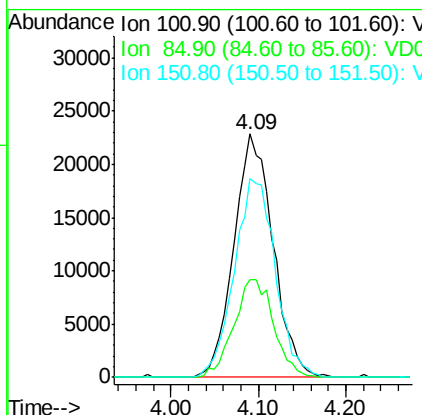
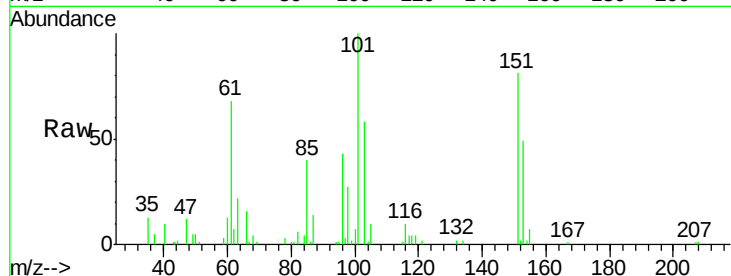
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	69626
Ion Ratio	Lower	Upper	
101	100		
85	40.6	33.6	50.4
151	85.1	66.6	99.8

Manual Integrations
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#10

Methyl Iodide

Concen: 21.206 ug/l

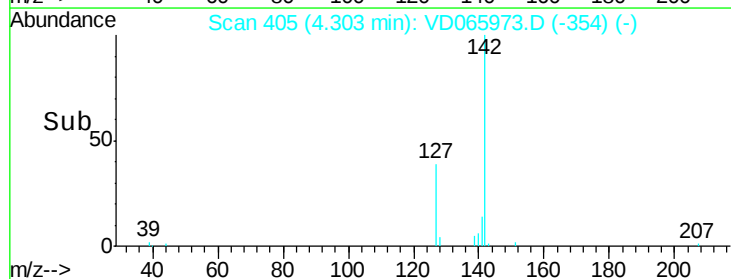
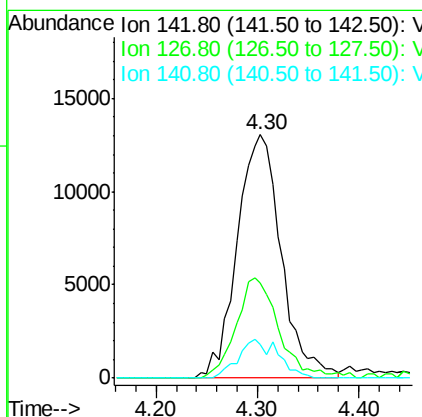
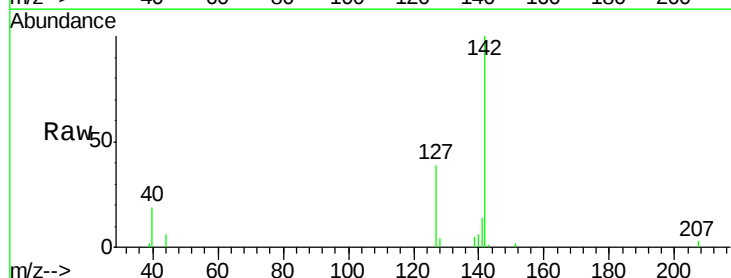
RT: 4.30 min Scan# 405

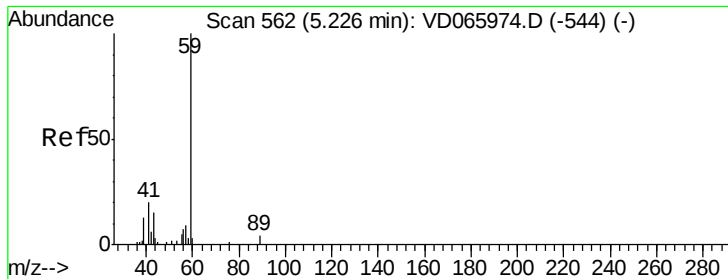
Delta R.T. 0.00 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Tgt Ion:	142	Resp:	39423
Ion Ratio	Lower	Upper	
142	100		
127	39.4	32.9	49.3
141	14.5	11.8	17.6





#11

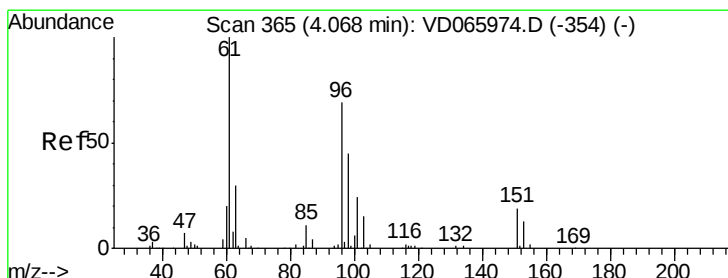
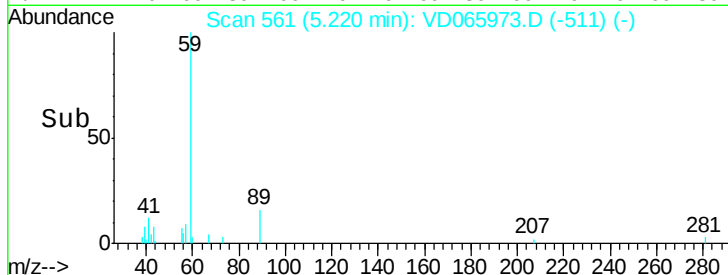
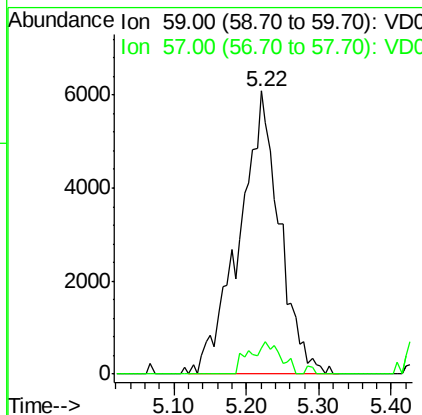
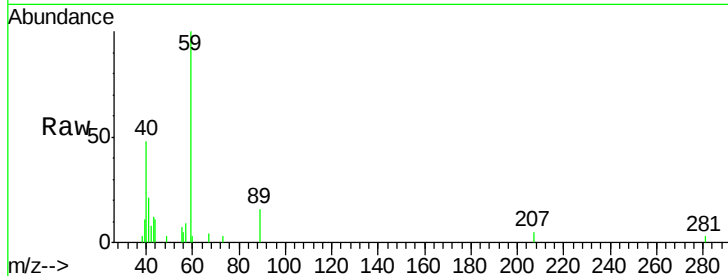
Tert butyl alcohol
 Concen: 87.306 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. -0.01 min
 Lab File: VD065973.D
 Acq: 21 Jul 2020 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.7	4.5	6.7#

Manual Integrations
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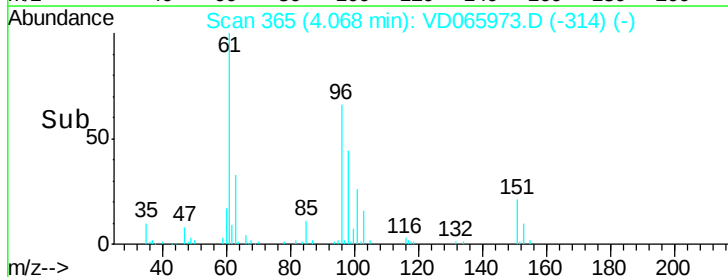
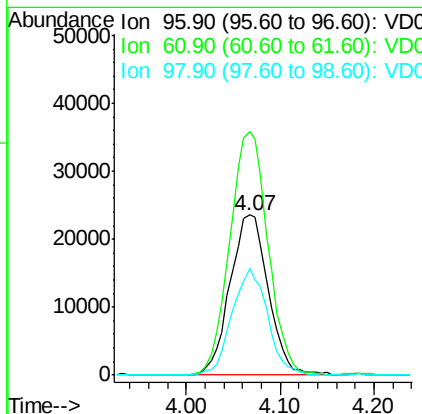
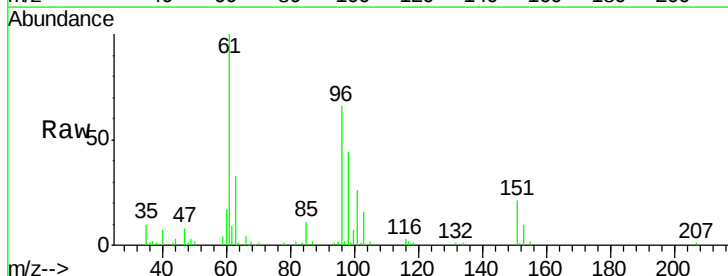
MMDadoda
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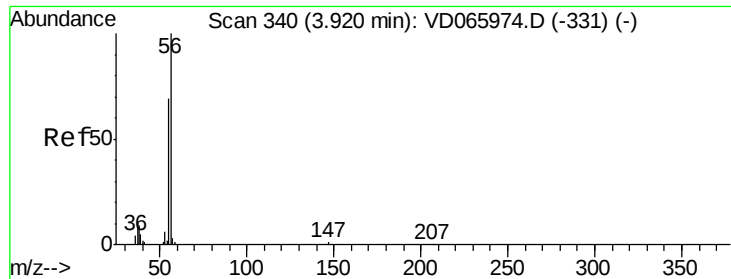


#12

1,1-Dichloroethene
 Concen: 20.607 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD065973.D
 Acq: 21 Jul 2020 10:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.3	115.4	173.0
98	66.8	51.5	77.3





#13

Acrolein

Concen: 108.472 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 28140

Ion Ratio Lower Upper

56 100

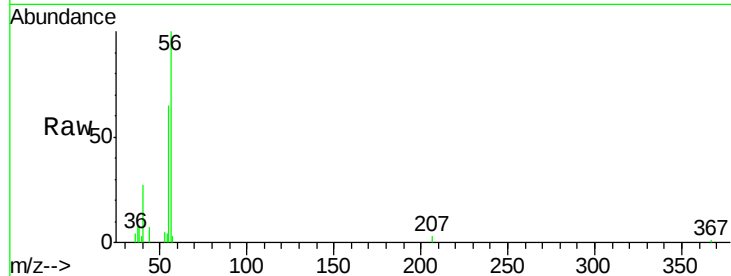
55 71.0 55.8 83.8

Manual Integrations

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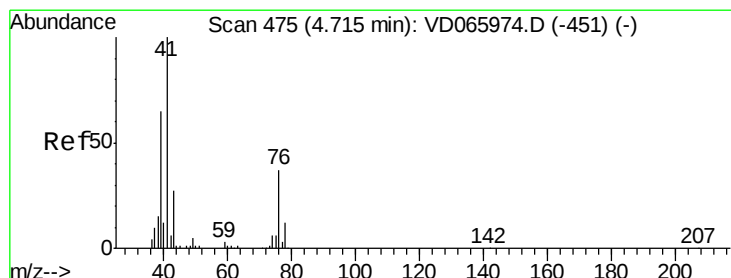
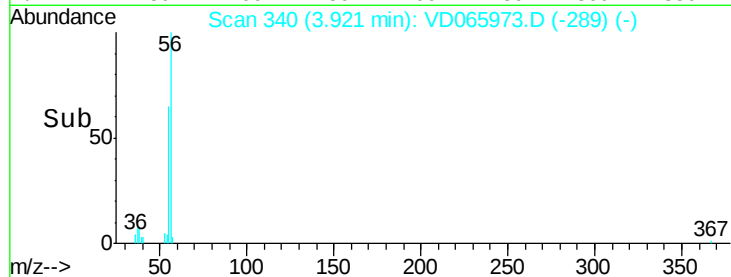
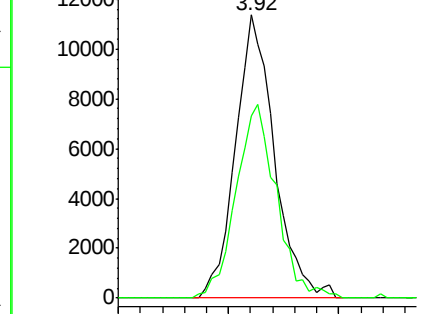
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.112 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

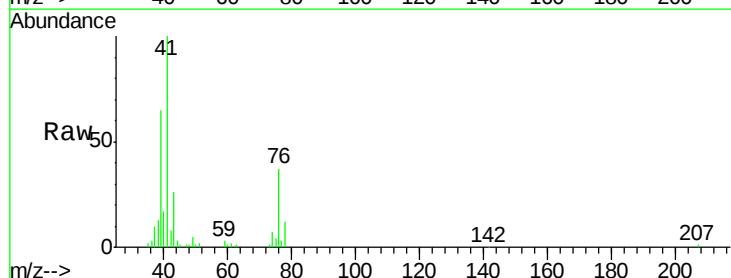
Tgt Ion: 41 Resp: 99737

Ion Ratio Lower Upper

41 100

39 65.0 53.4 80.2

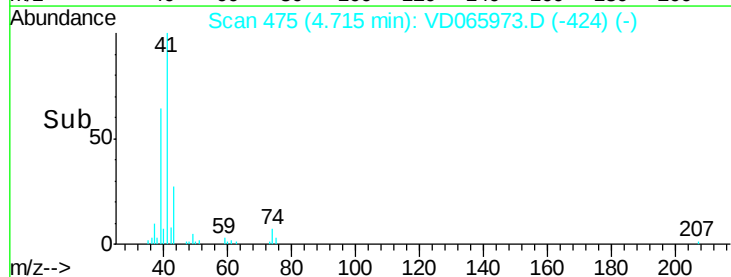
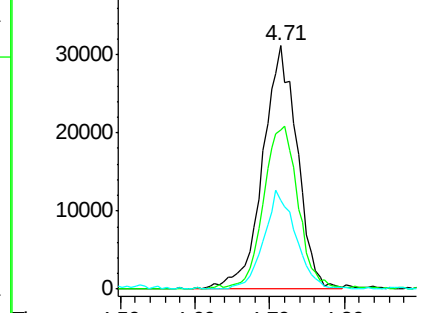
76 37.8 29.1 43.7

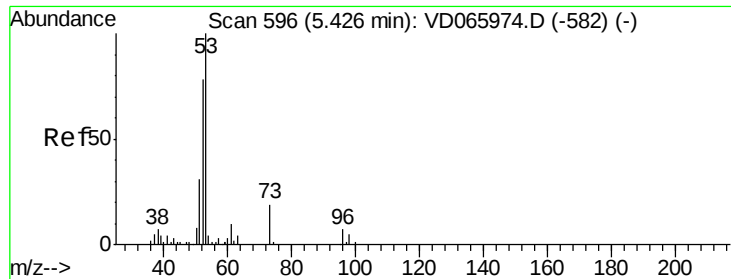


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 101.761 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Instrument :

MSVOA_D

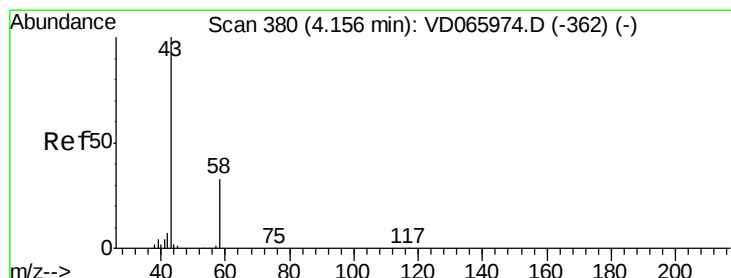
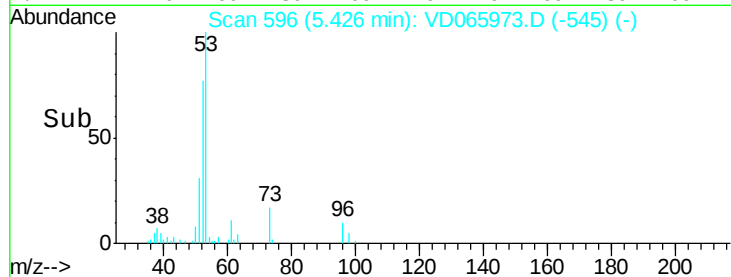
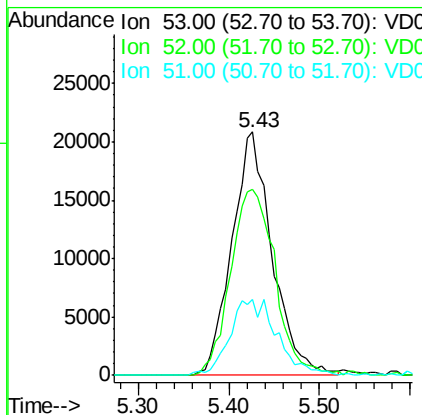
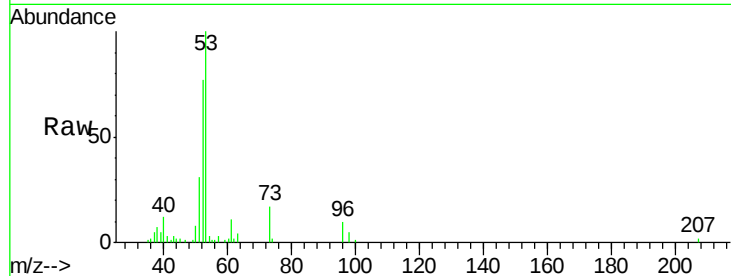
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	64517
Ion	Ratio	Lower	Upper
53	100		
52	84.5	67.1	100.7
51	36.3	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 87.611 ug/l

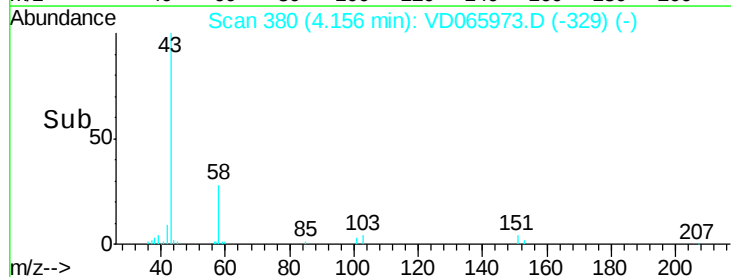
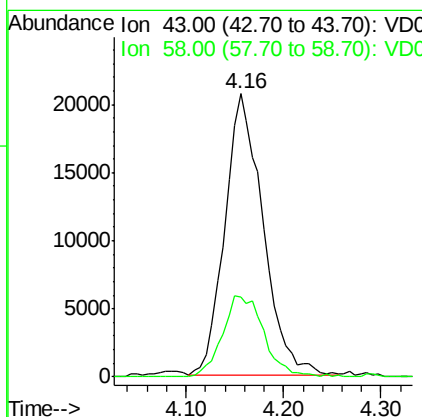
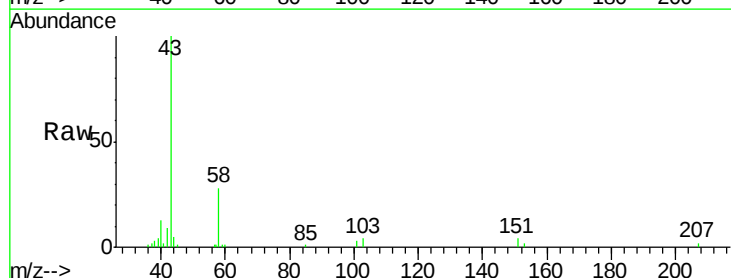
RT: 4.16 min Scan# 380

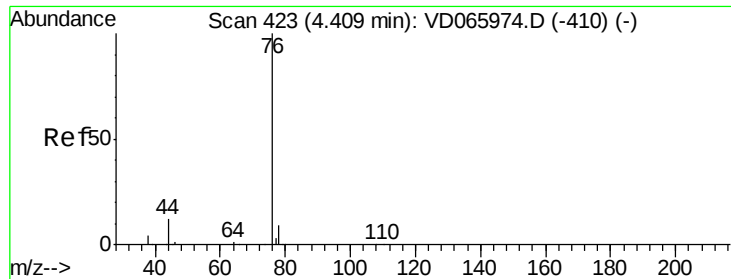
Delta R.T. 0.00 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Tgt Ion:	43	Resp:	55987
Ion	Ratio	Lower	Upper
43	100		
58	28.3	26.3	39.5





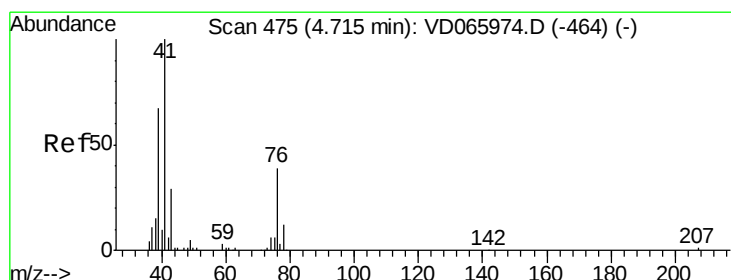
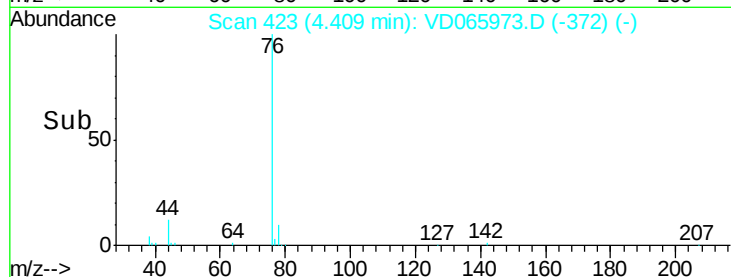
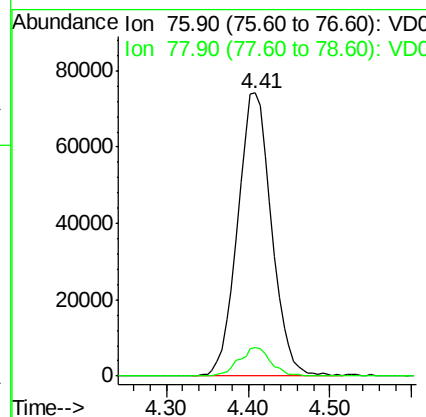
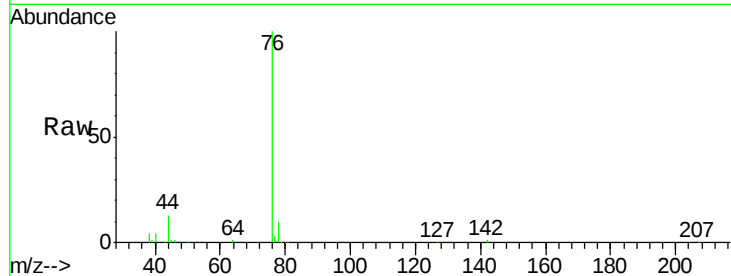
#17
Carbon Disulfide
Concen: 20.323 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.3	7.4	11.2

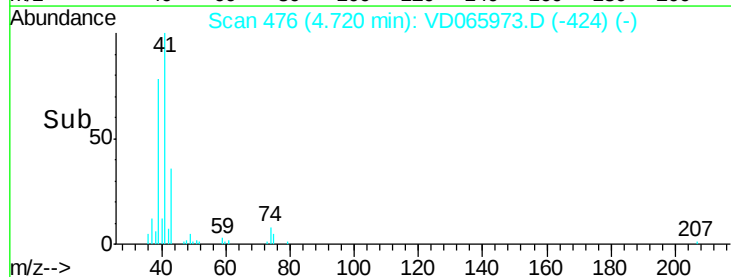
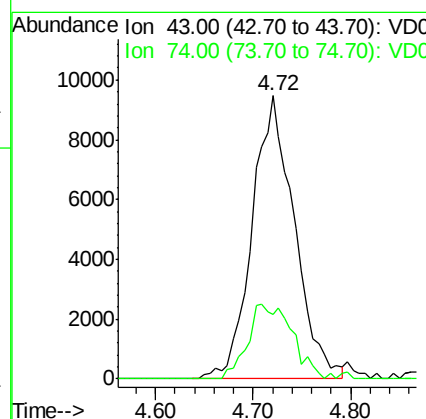
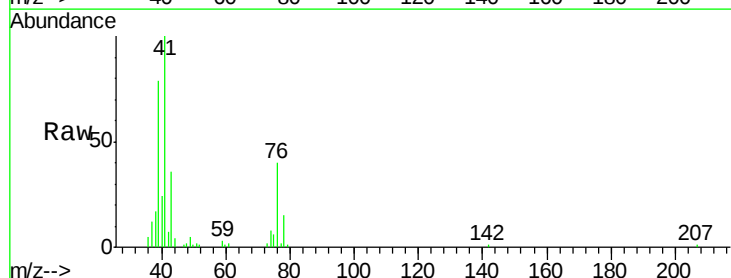
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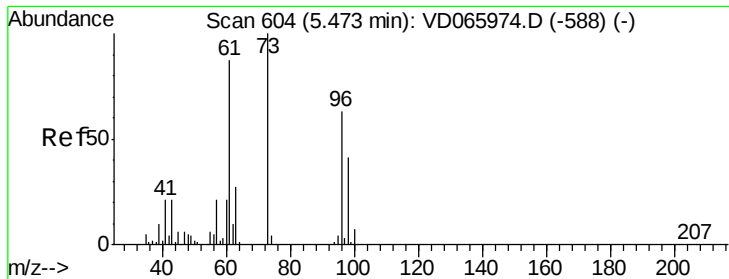
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#18
Methyl Acetate
Concen: 19.515 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.6	19.2	28.8





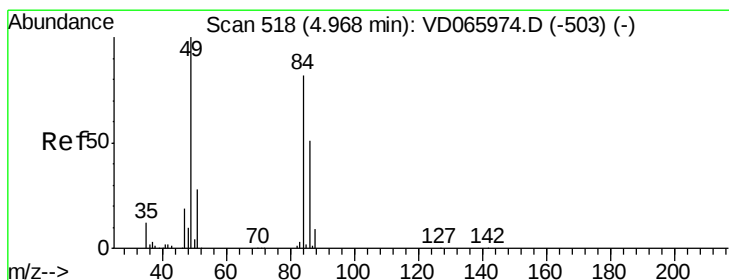
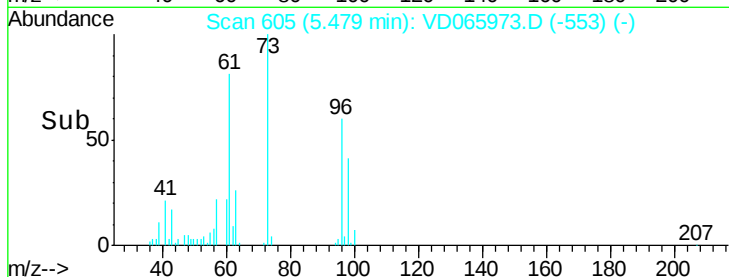
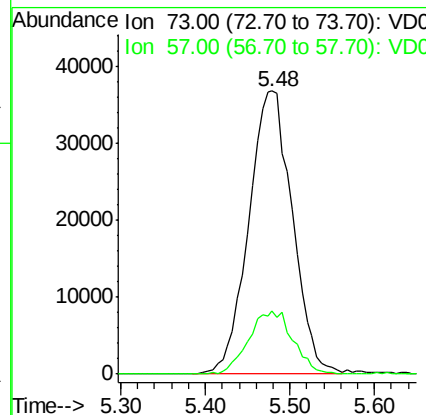
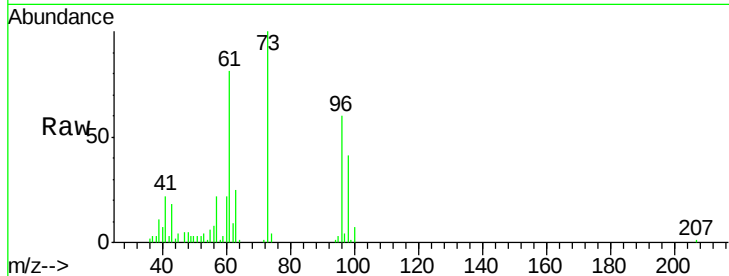
#19
Methyl tert-butyl Ether
Concen: 20.906 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 132471
Ion Ratio Lower Upper
73 100
57 22.3 17.0 25.4

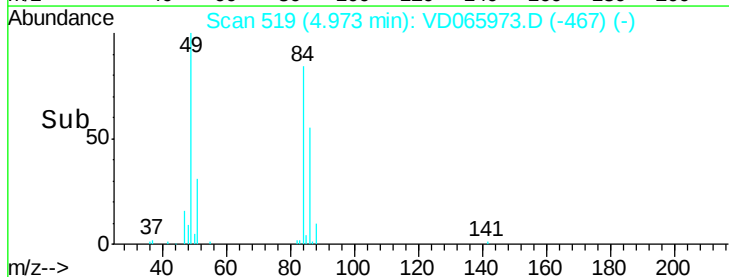
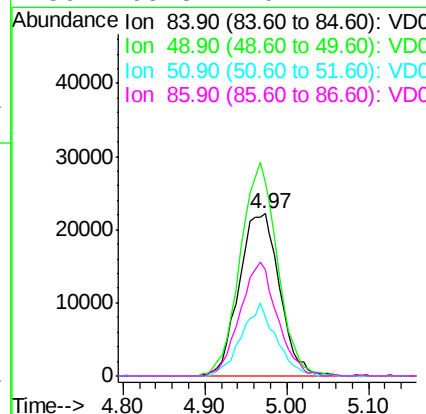
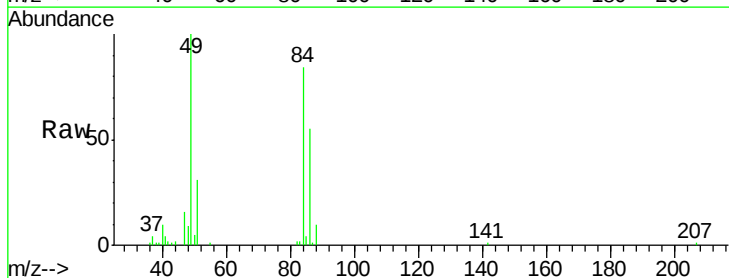
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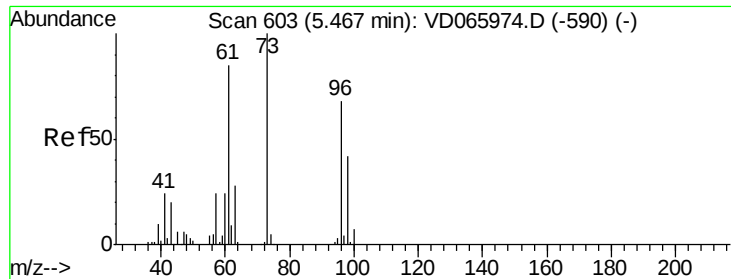
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#20
Methylene Chloride
Concen: 17.392 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

Tgt Ion: 84 Resp: 76676
Ion Ratio Lower Upper
84 100
49 119.3 97.7 146.5
51 36.4 27.4 41.2
86 65.3 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 20.404 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 74452

Ion Ratio Lower Upper

96 100

61 131.4 100.5 150.7

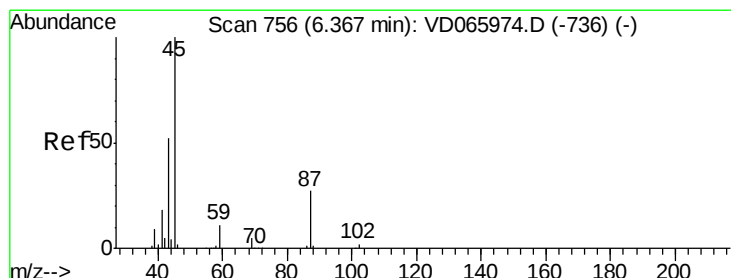
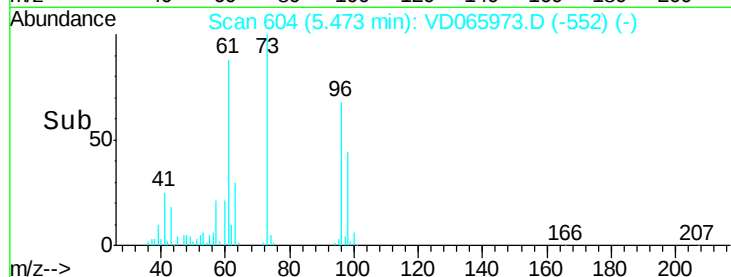
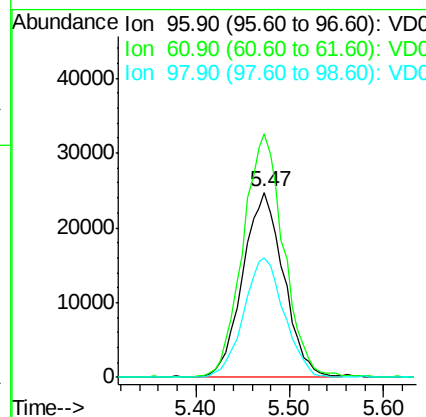
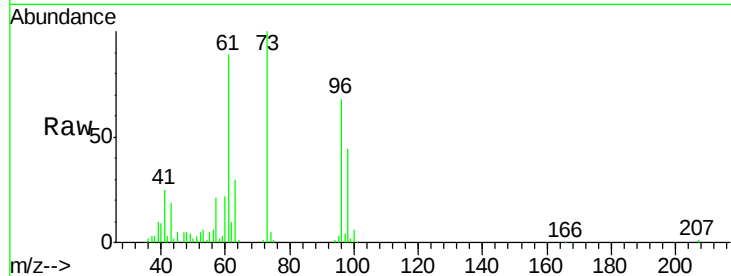
98 64.8 49.7 74.5

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#22

Diisopropyl ether

Concen: 20.813 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Tgt Ion: 45 Resp: 195392

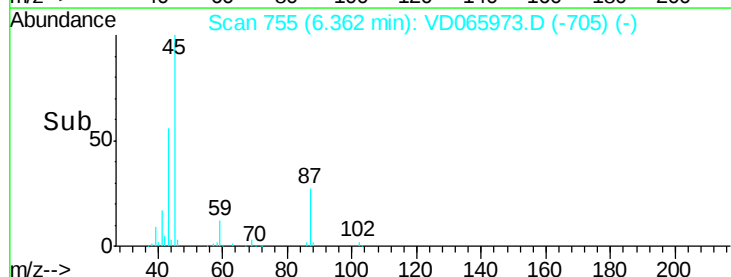
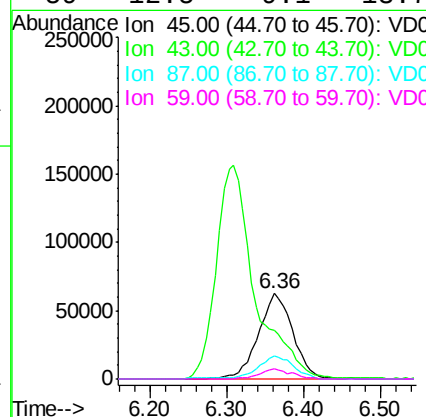
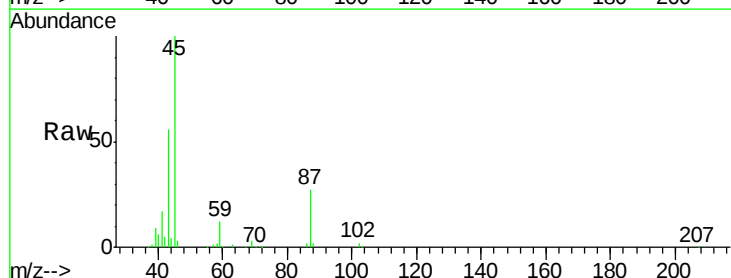
Ion Ratio Lower Upper

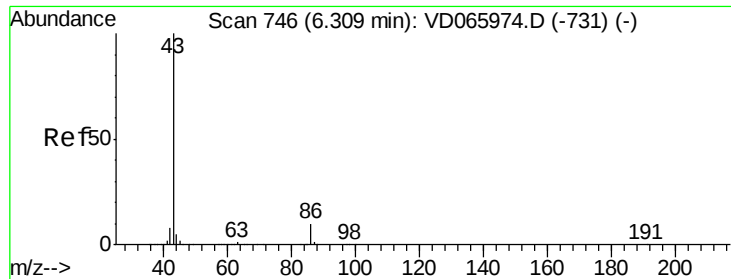
45 100

43 55.4 43.0 64.4

87 26.8 22.0 33.0

59 12.5 9.1 13.7





#23

Vinyl Acetate

Concen: 105.470 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 543326

Ion Ratio Lower Upper

43 100

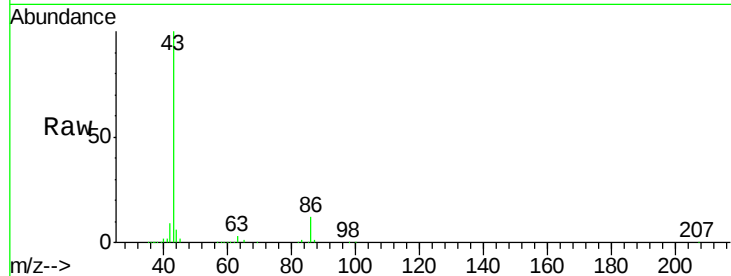
86 11.8 7.9 11.9

Manual Integrations

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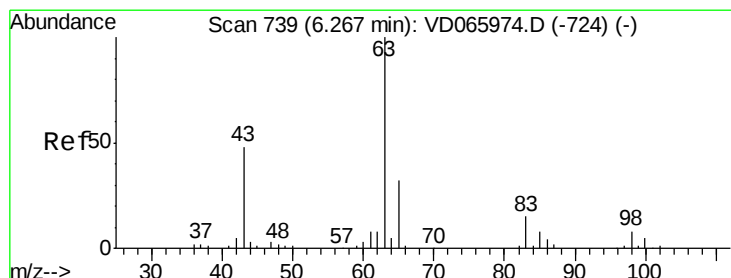
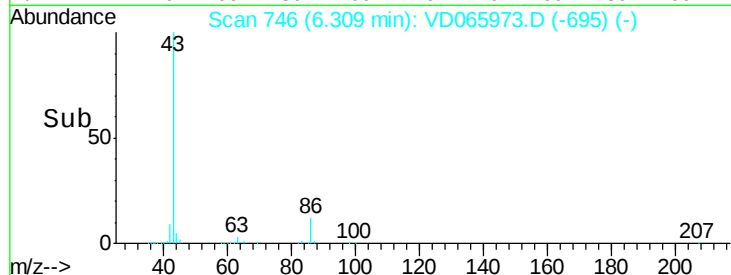
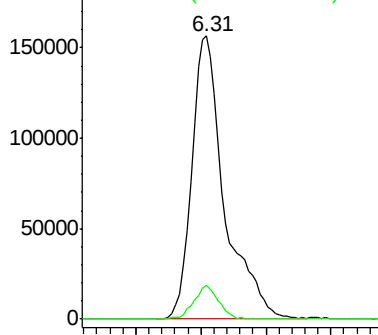
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.701 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

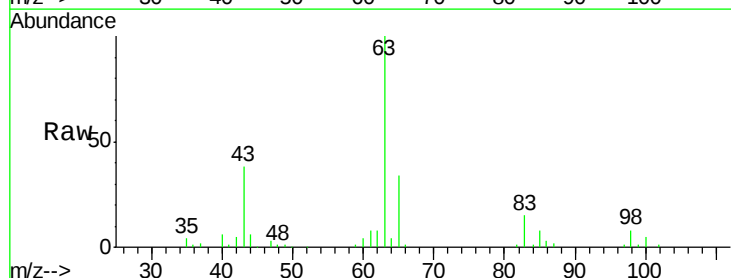
Tgt Ion: 63 Resp: 115689

Ion Ratio Lower Upper

63 100

98 8.0 4.3 12.8

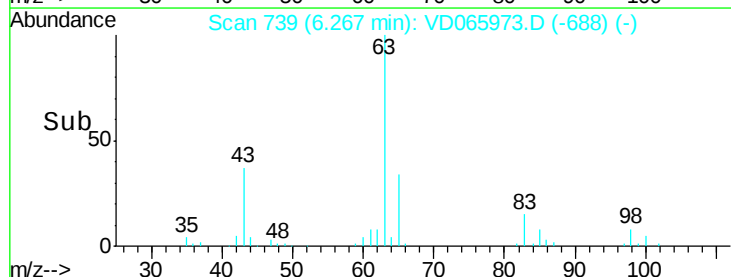
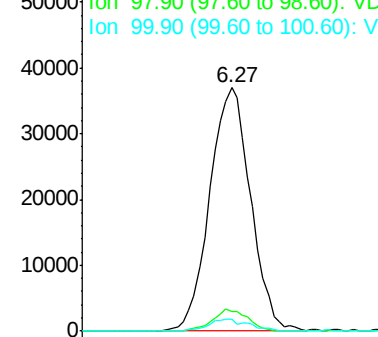
100 4.7 2.5 7.5

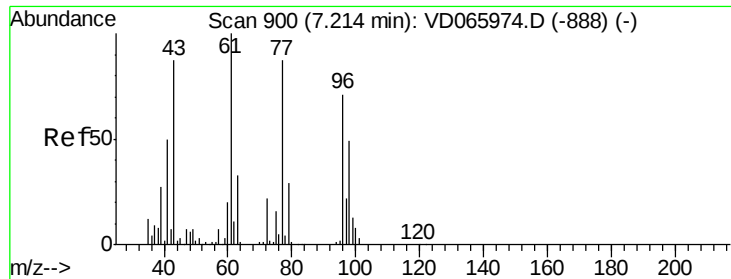


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 97.167 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 81874

Ion Ratio Lower Upper

43 100

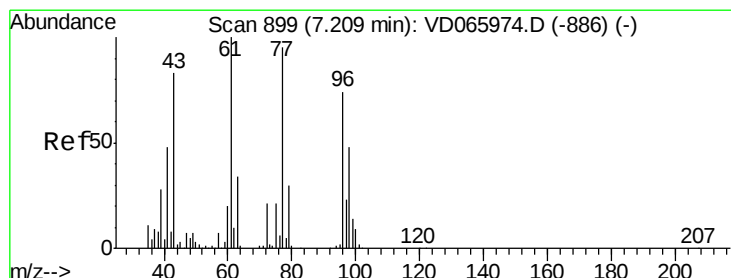
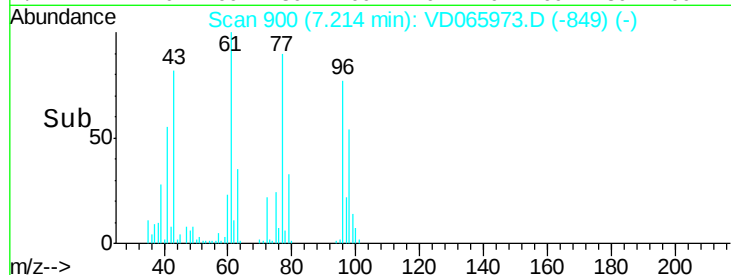
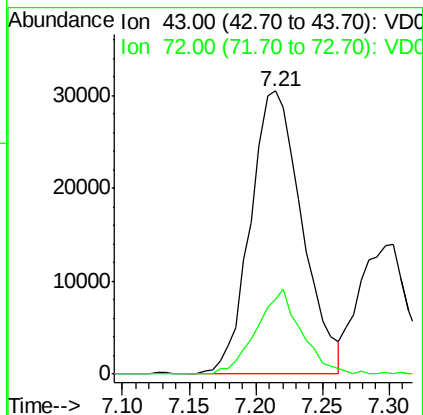
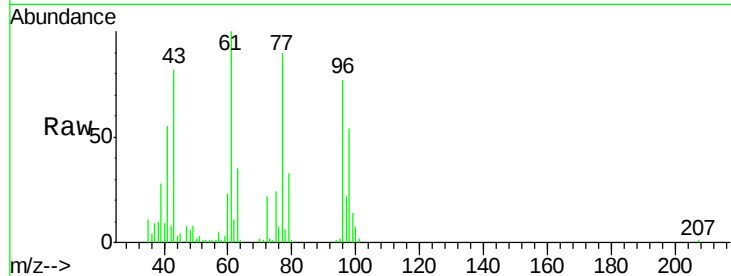
72 26.5 20.2 30.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.401 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065973.D

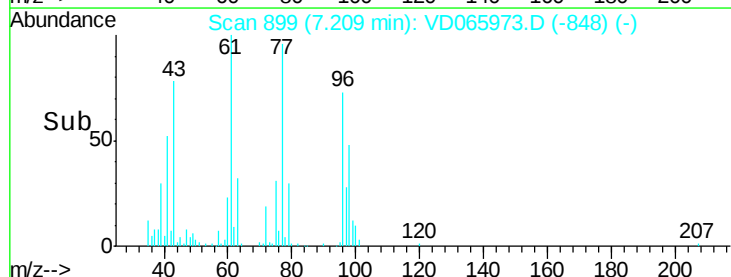
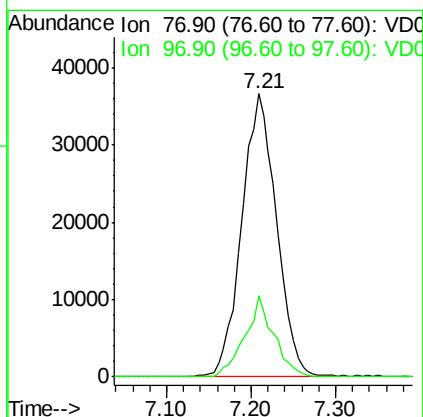
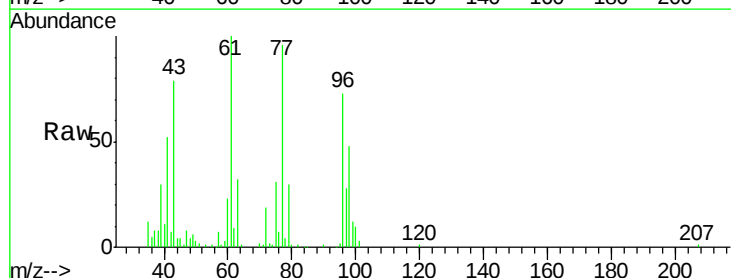
Acq: 21 Jul 2020 10:49

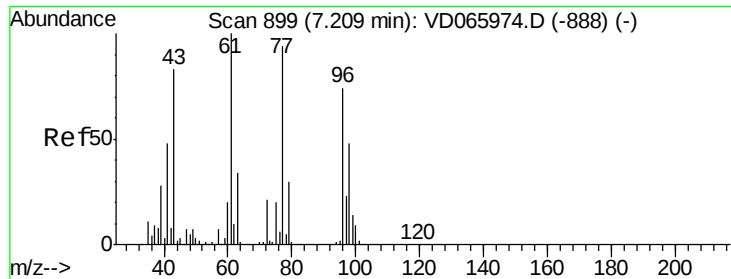
Tgt Ion: 77 Resp: 104565

Ion Ratio Lower Upper

77 100

97 23.9 11.6 34.7





#27

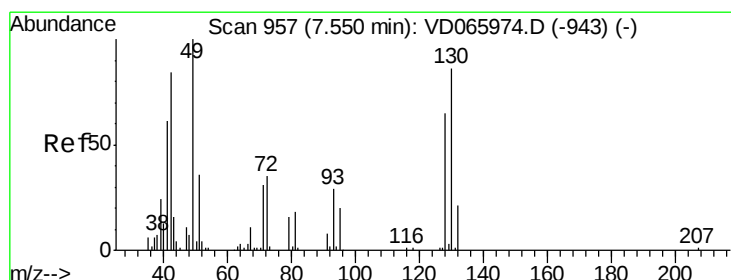
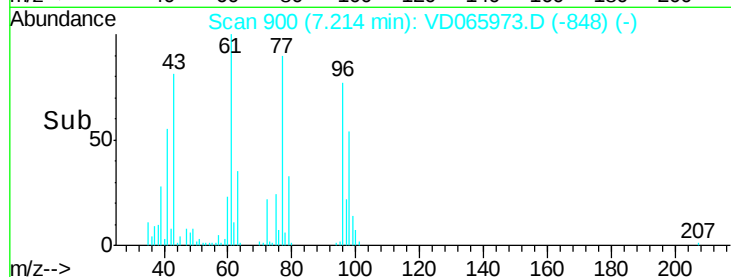
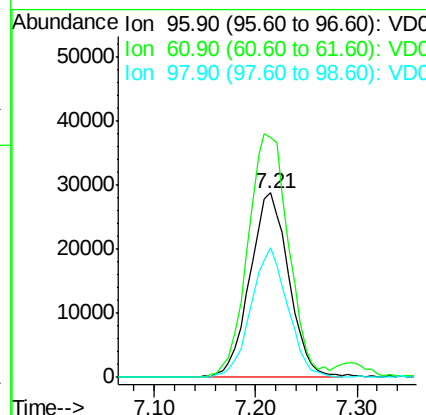
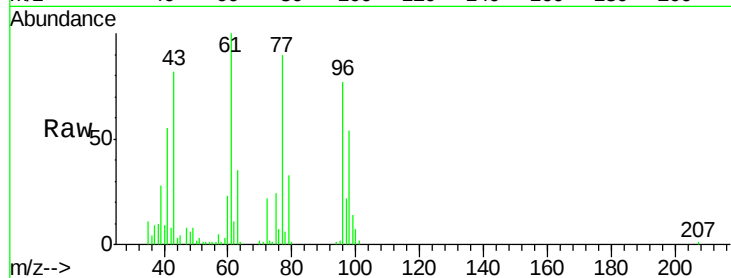
cis-1,2-Dichloroethene
 Concen: 20.114 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD065973.D
 Acq: 21 Jul 2020 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.3	0.0	276.6
98	65.9	0.0	130.8

Manual Integrations
 APPROVED

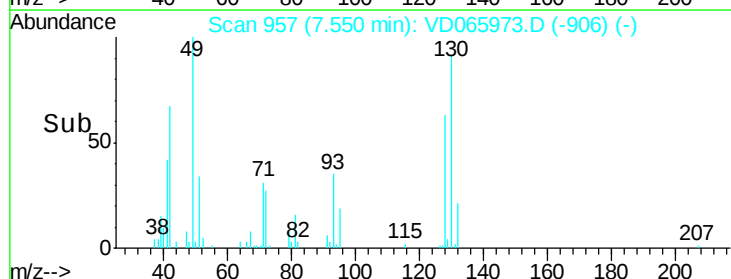
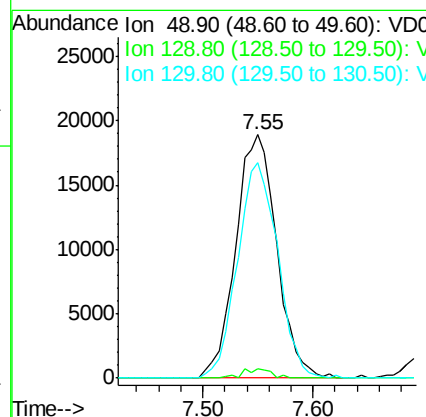
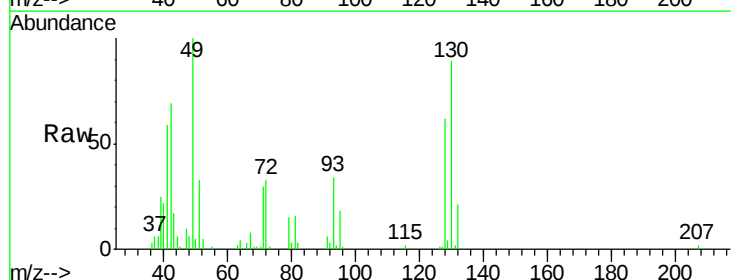
MMDadoda
 7/22/2020 2:44:20 PM

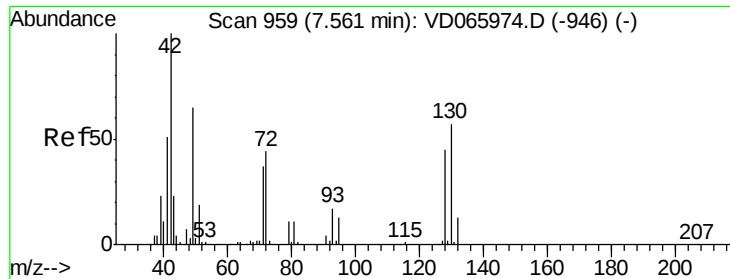


#28

Bromochloromethane
 Concen: 20.256 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065973.D
 Acq: 21 Jul 2020 10:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.8
130	87.2	68.4	102.6





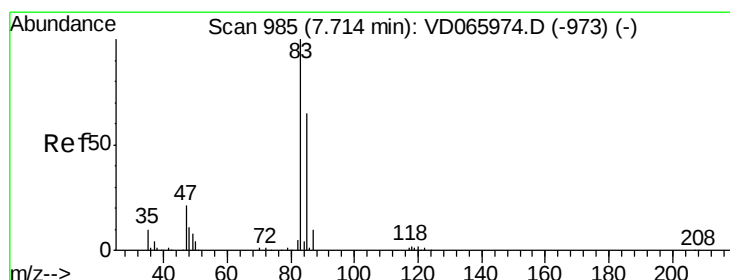
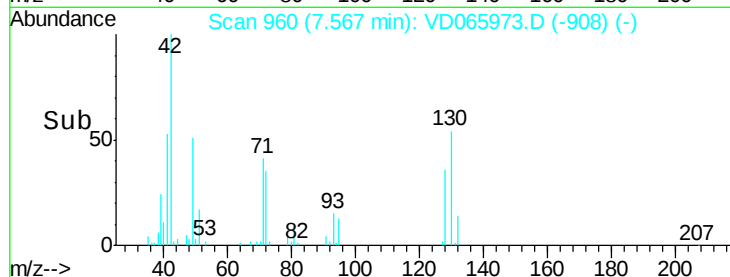
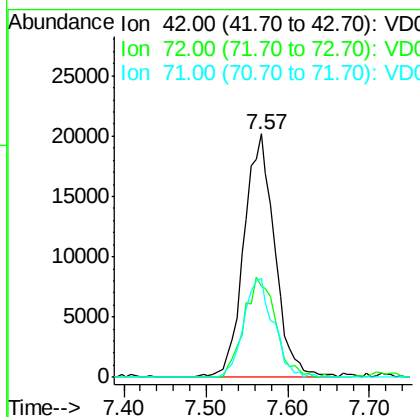
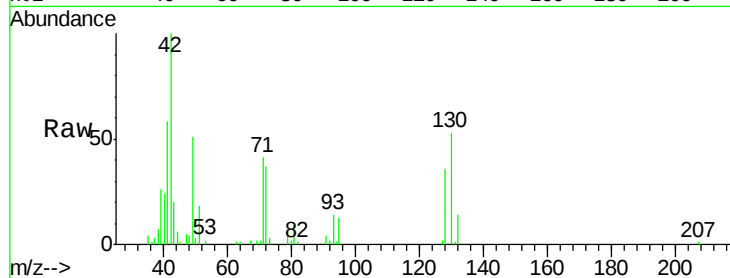
#29
Tetrahydrofuran
Concen: 103.039 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.01 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	34.2	51.2
71	39.0	31.4	47.2

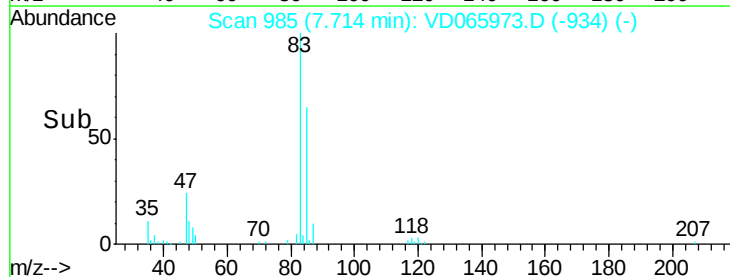
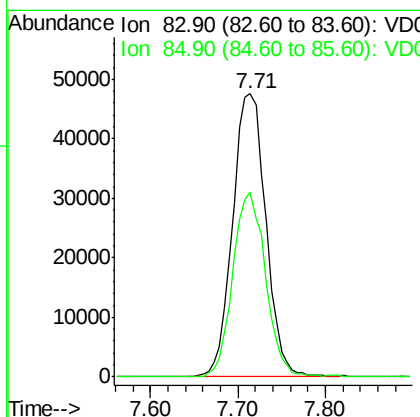
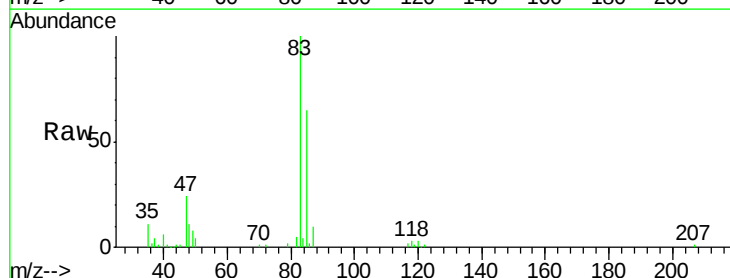
Manual Integrations
APPROVED

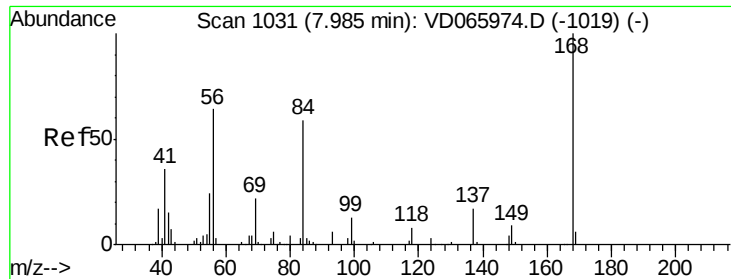
MMDadoda
7/22/2020 2:44:20 PM



#30
Chloroform
Concen: 20.064 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.1	78.1





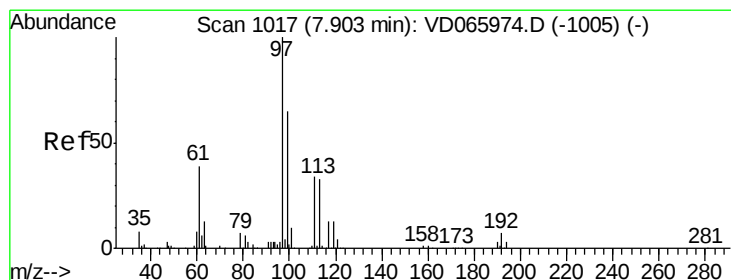
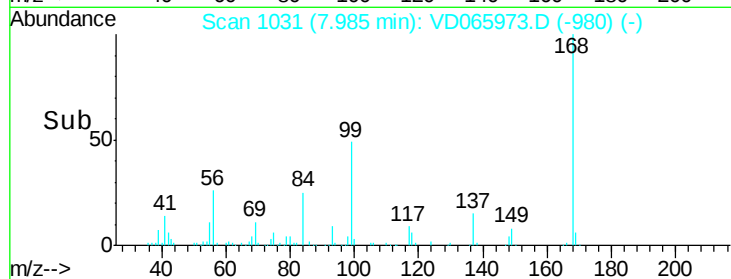
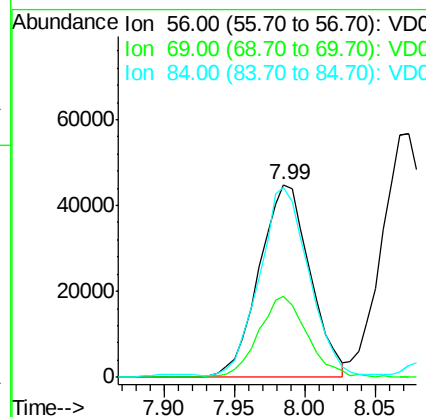
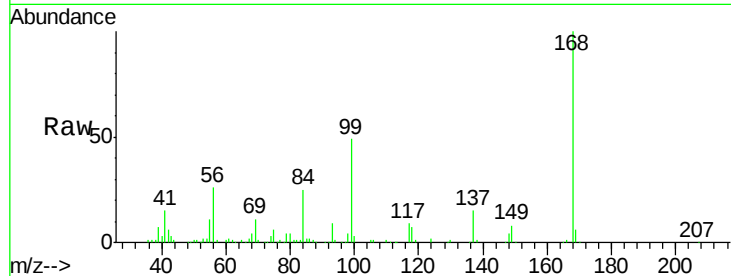
#31
Cyclohexane
Concen: 19.184 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	41.8	28.0	42.0
84	97.0	72.6	109.0

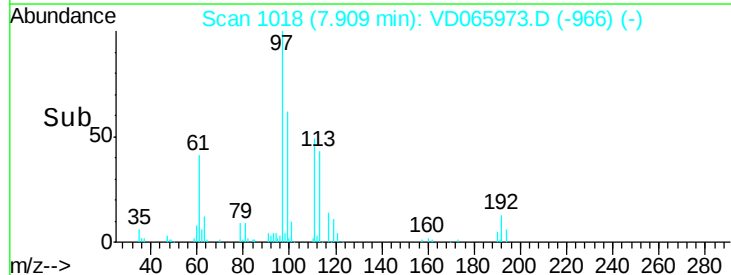
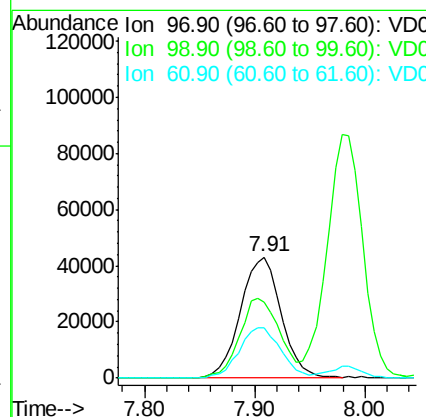
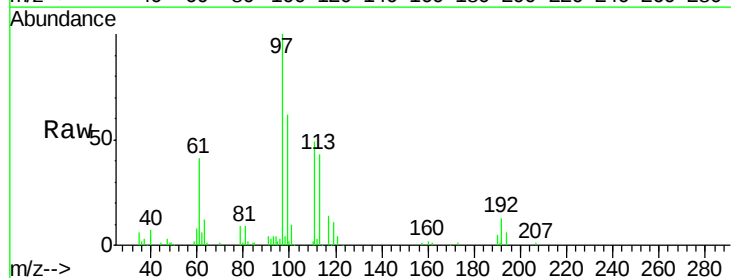
Manual Integrations
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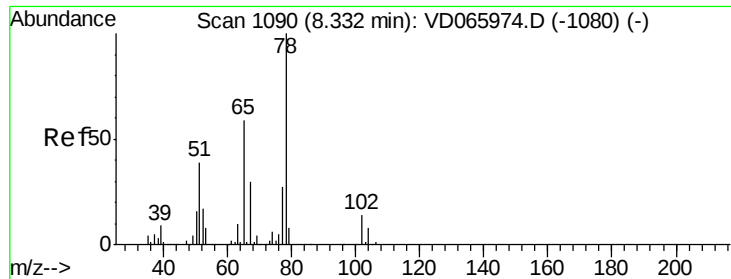
MMDadoda
7/22/2020 2:44:20 PM



#32
1,1,1-Trichloroethane
Concen: 19.647 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.8	77.6
61	42.4	33.3	49.9





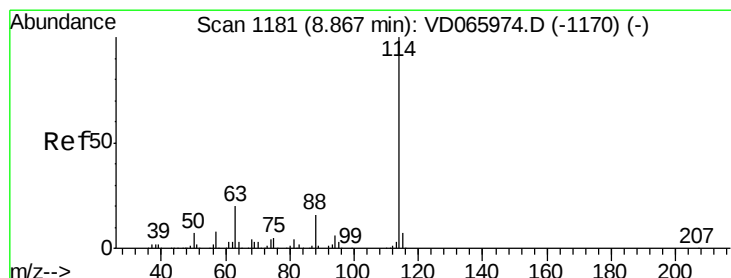
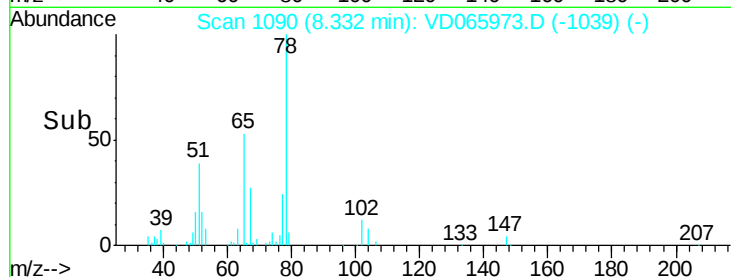
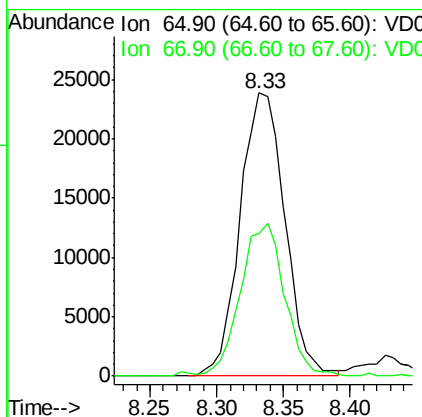
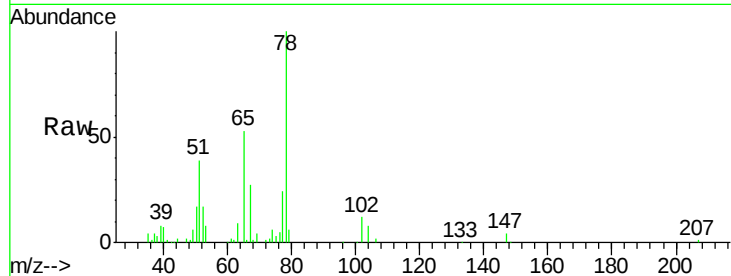
#33
 1,2-Dichloroethane-d4
 Concen: 17.534 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD065973.D
 Acq: 21 Jul 2020 10:49

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	55522		
67	53.8	0.0	105.0	

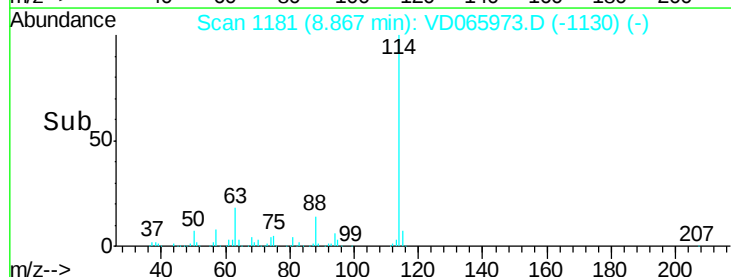
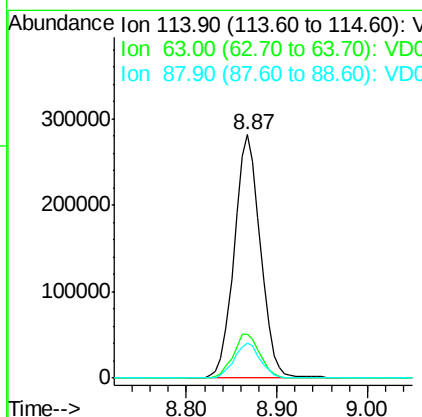
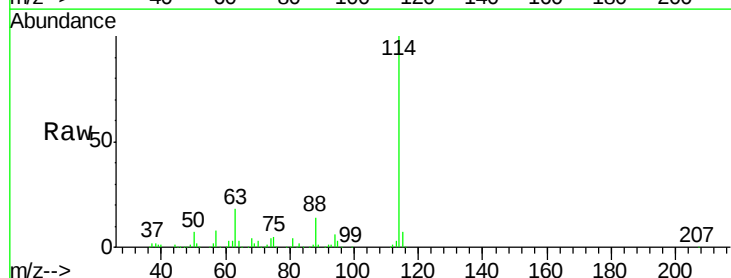
Manual Integrations
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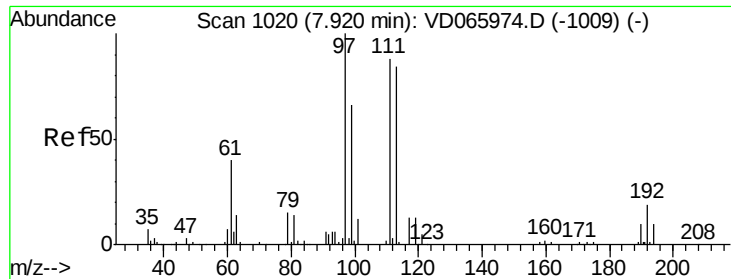
MMDadoda
 7/22/2020 2:44:20 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065973.D
 Acq: 21 Jul 2020 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	565190		
63	17.9	0.0	39.6	
88	14.4	0.0	31.2	





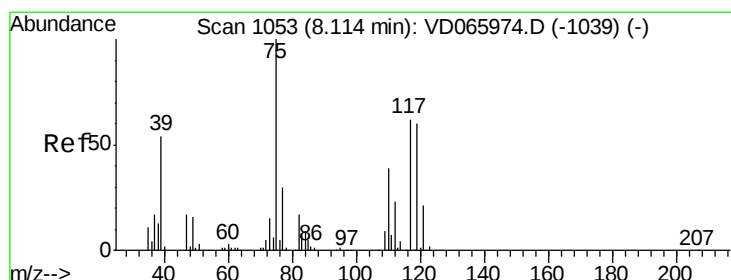
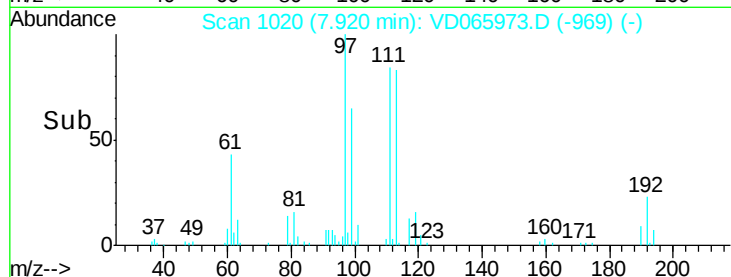
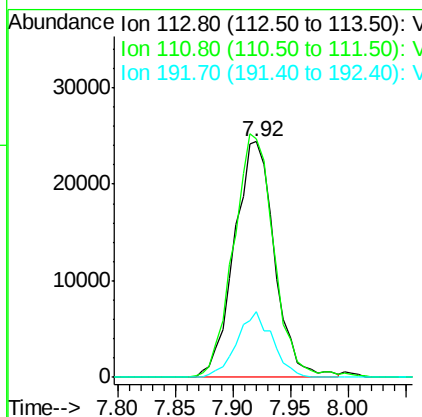
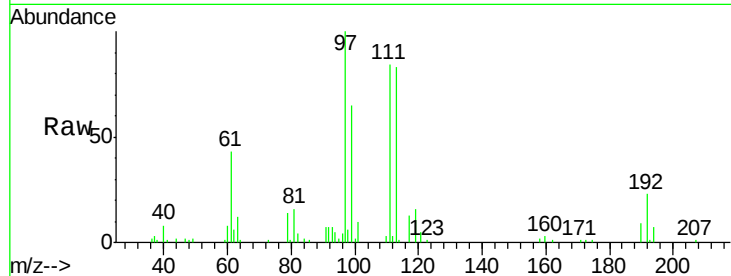
#35
 Dibromofluoromethane
 Concen: 17.421 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065973.D
 Acq: 21 Jul 2020 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	83.2	124.8
192	24.6	18.7	28.1

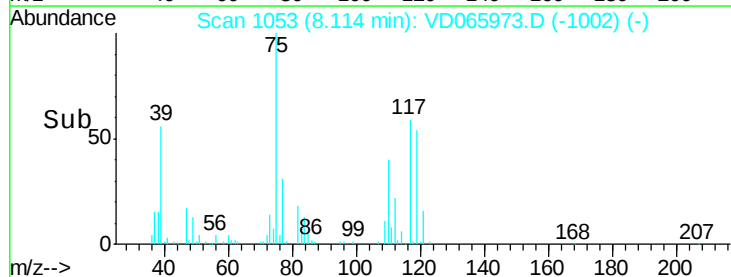
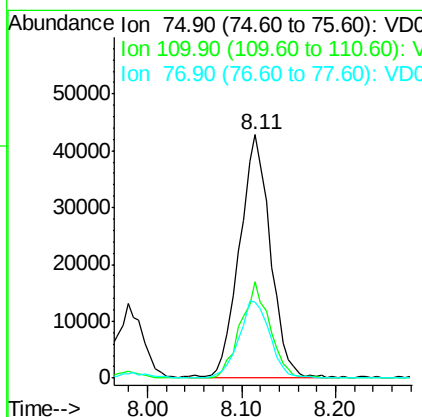
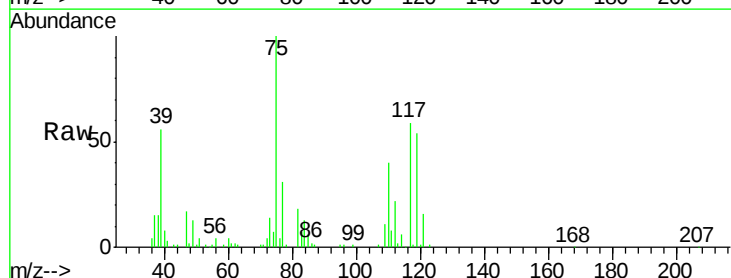
Manual Integrations
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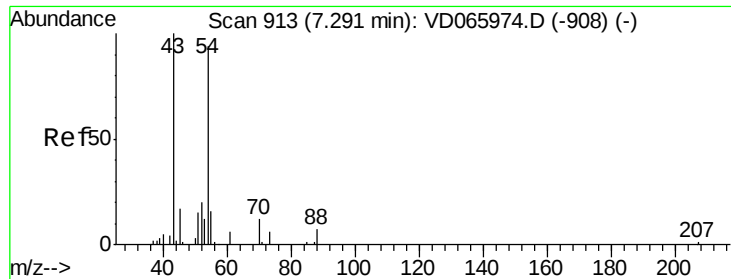
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 7/22/2020 2:44:20 PM



#36
 1,1-Dichloropropene
 Concen: 19.906 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065973.D
 Acq: 21 Jul 2020 10:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.3	19.5	58.5
77	32.0	24.7	37.1





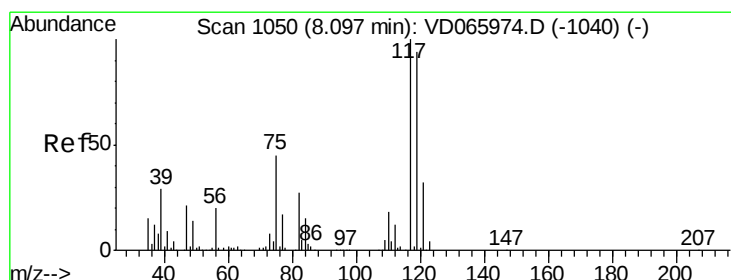
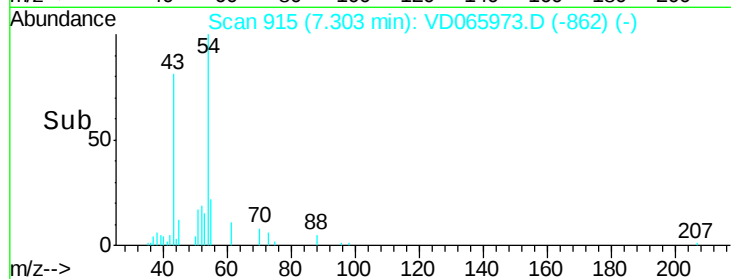
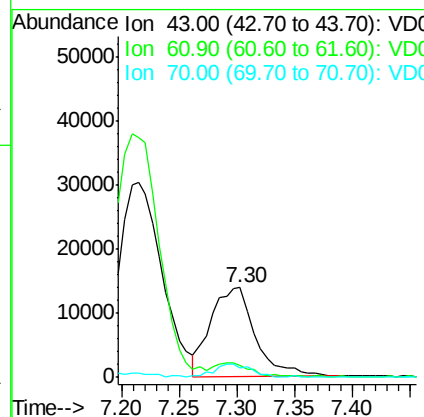
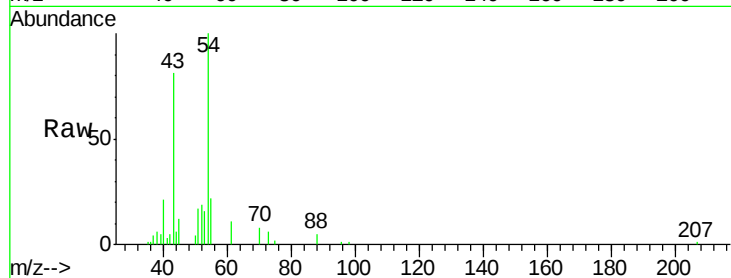
#37
Ethyl Acetate
Concen: 19.753 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.4	17.0
70	12.1	9.3	13.9

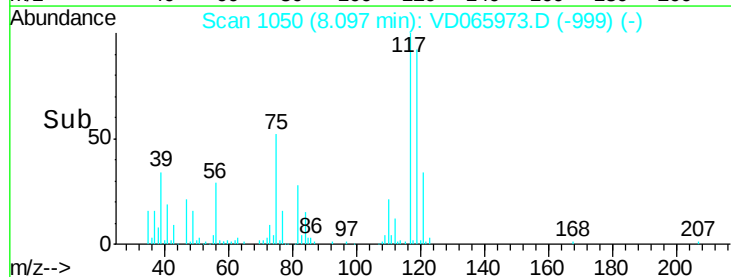
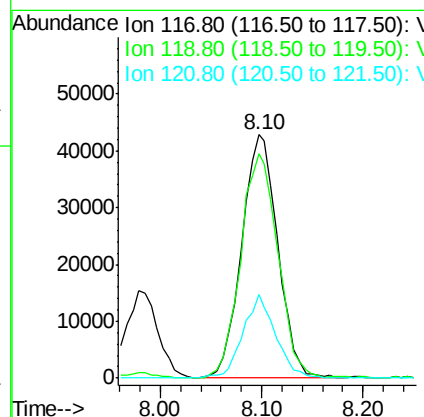
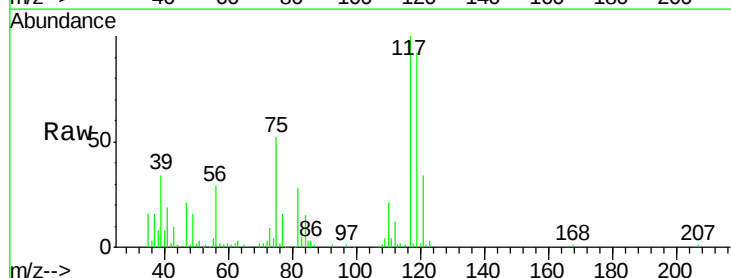
Manual Integrations
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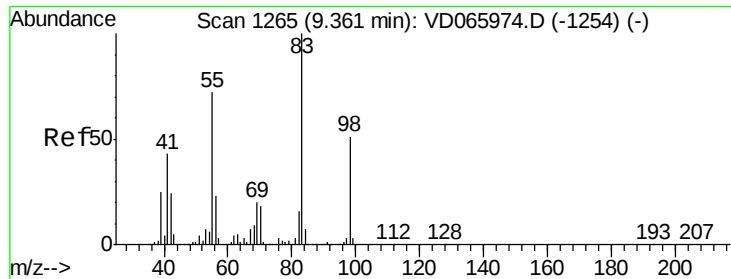
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.360 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.4	75.0	112.6
121	34.2	25.5	38.3





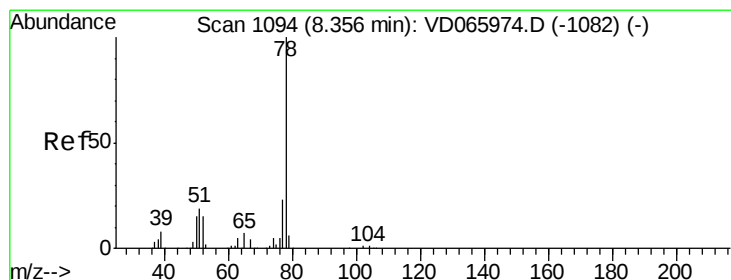
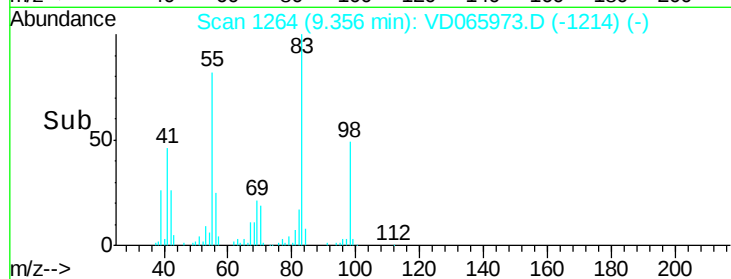
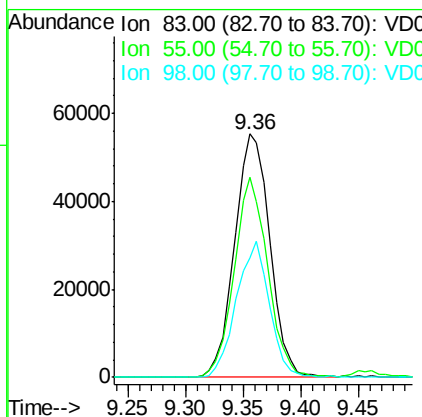
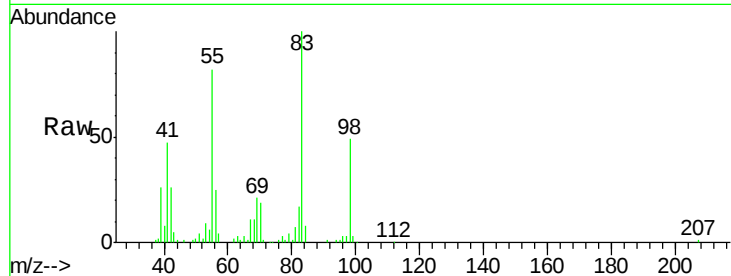
#39
Methvlcvclohexane
Concen: 20.238 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	117632
Ion Ratio	100	Lower	Upper
83	100		
55	82.0	57.3	85.9
98	49.2	41.0	61.6

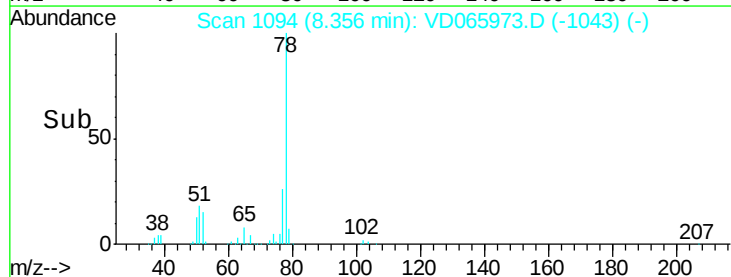
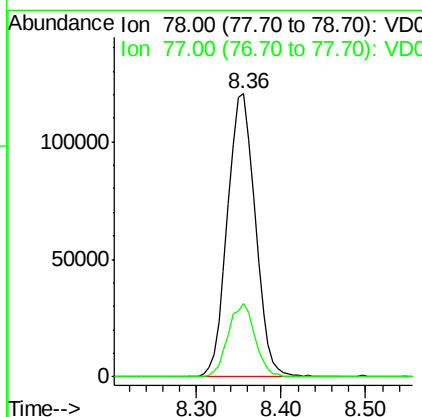
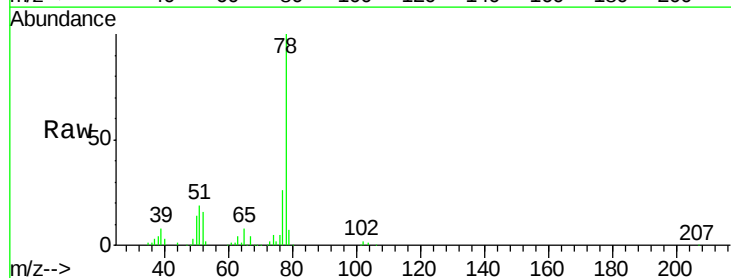
Manual Integrations
APPROVED

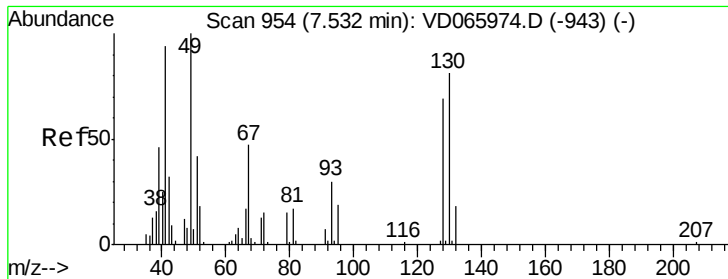
MMDadoda
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#40
Benzene
Concen: 20.180 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

Tgt Ion	78	Resp	274712
Ion Ratio	100	Lower	Upper
78	100		
77	25.8	18.6	27.8





#41

Methacrylonitrile

Concen: 16.648 ug/l m

RT: 7.53 min Scan# 954

Delta R.T. 0.00 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 23433

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

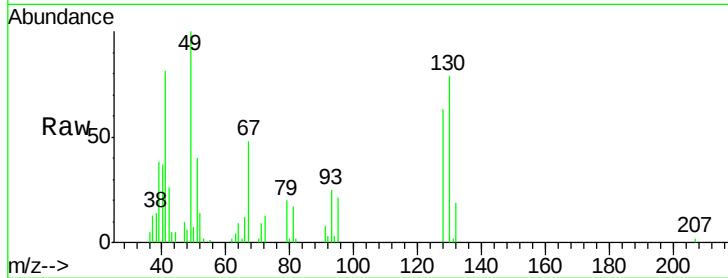
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
APPROVED

MMDadoda

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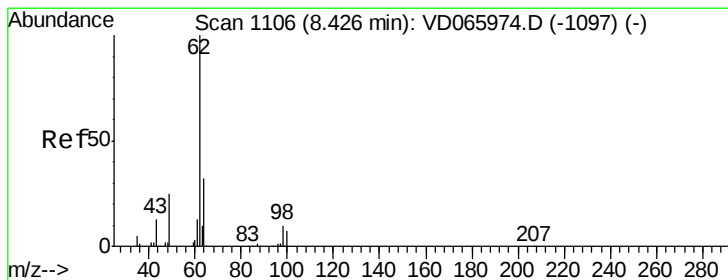
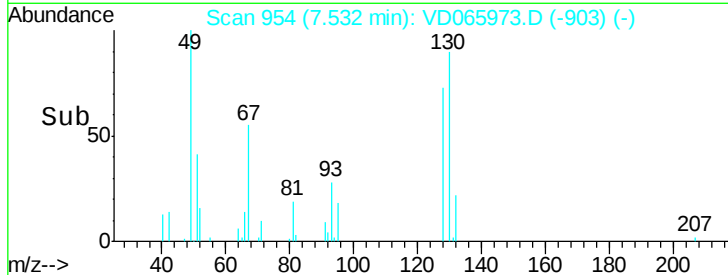
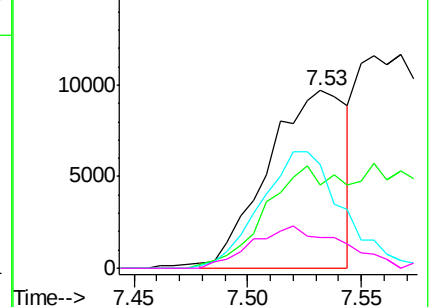


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 19.941 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD065973.D

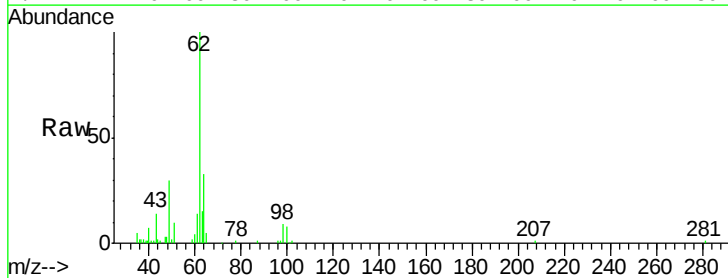
Acq: 21 Jul 2020 10:49

Tgt Ion: 62 Resp: 74608

Ion Ratio Lower Upper

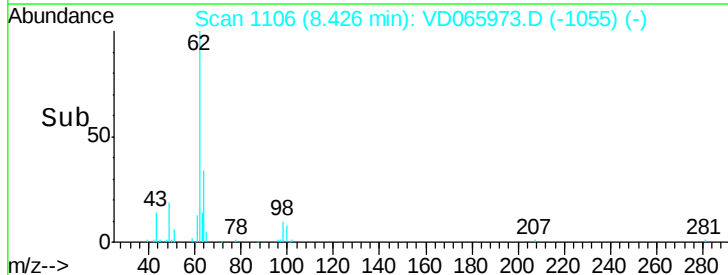
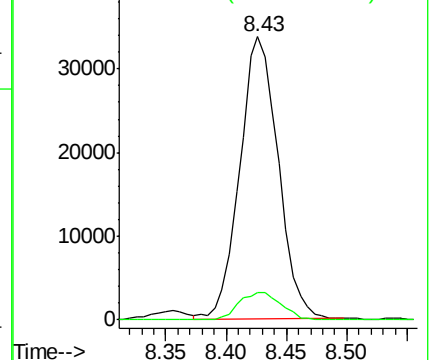
62 100

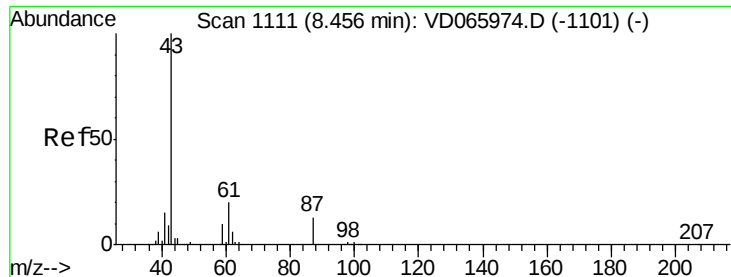
98 10.5 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 20.513 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Instrument :

MSVOA_D

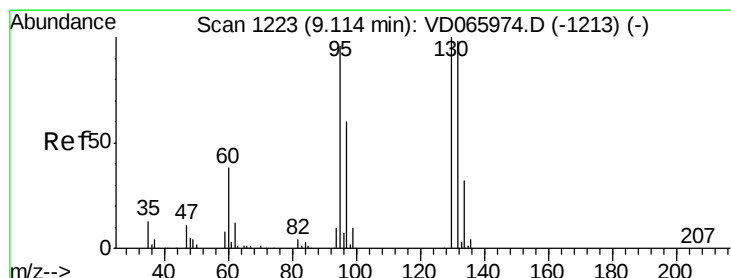
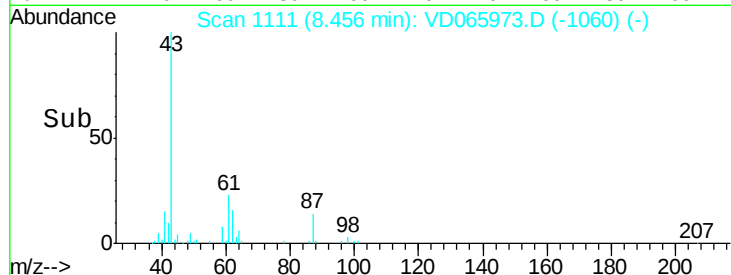
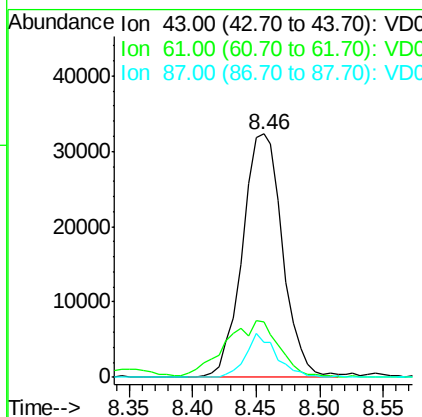
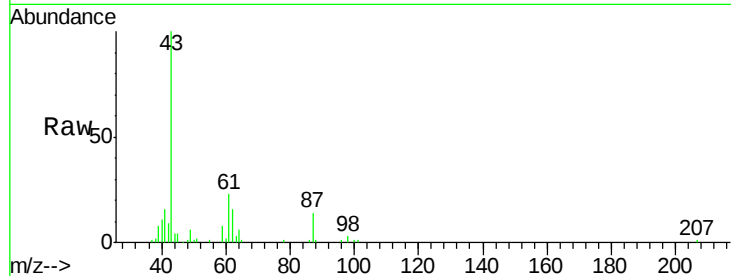
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	71086
Ion	Ratio	Lower	Upper
43	100		
61	31.4	25.8	38.8
87	13.7	10.9	16.3

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#44

Trichloroethene

Concen: 20.119 ug/l

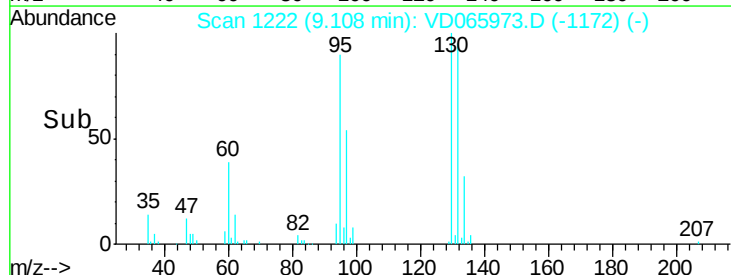
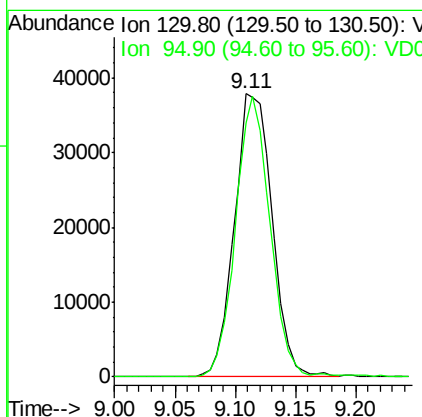
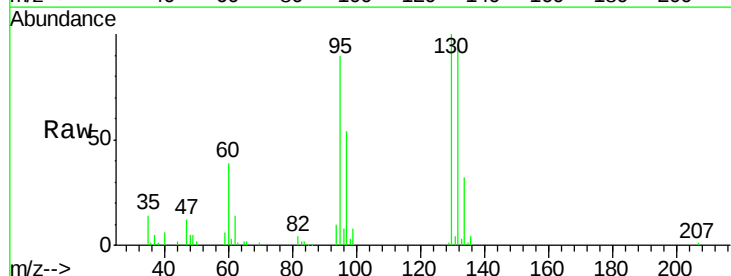
RT: 9.11 min Scan# 1222

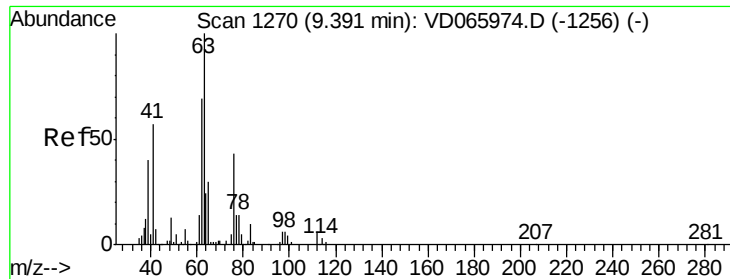
Delta R.T. -0.01 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Tgt Ion:	130	Resp:	82394
Ion	Ratio	Lower	Upper
130	100		
95	89.7	0.0	191.6





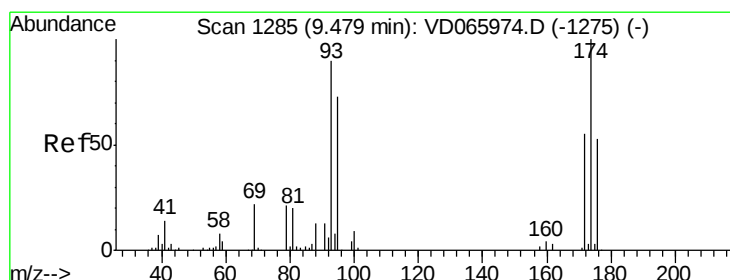
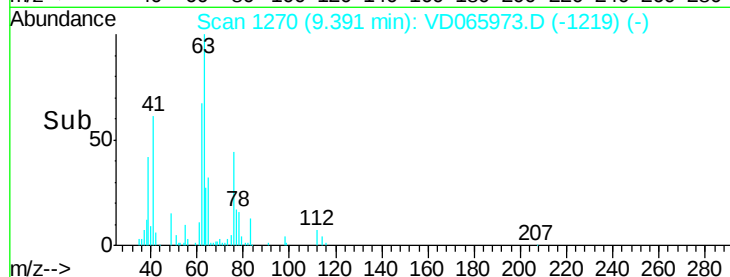
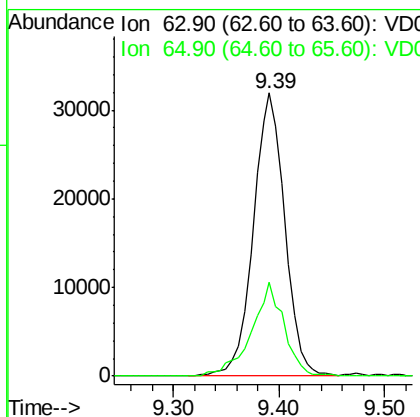
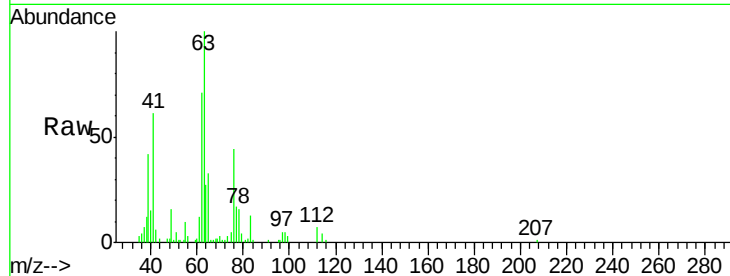
#45
 1,2-Dichloropropane
 Concen: 20.246 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065973.D
 Acq: 21 Jul 2020 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 66094
 Ion Ratio Lower Upper
 63 100
 65 33.0 24.0 36.0

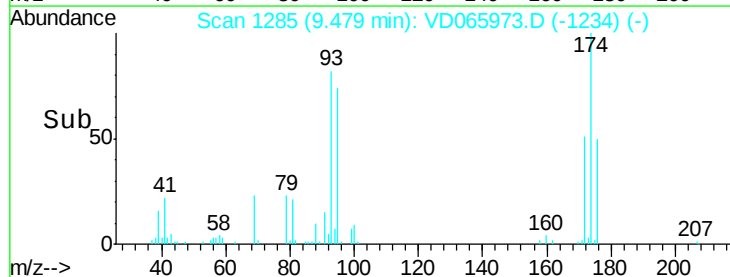
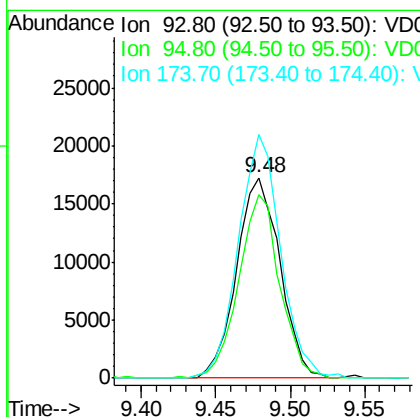
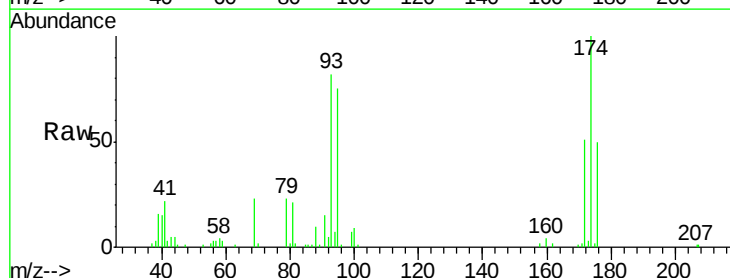
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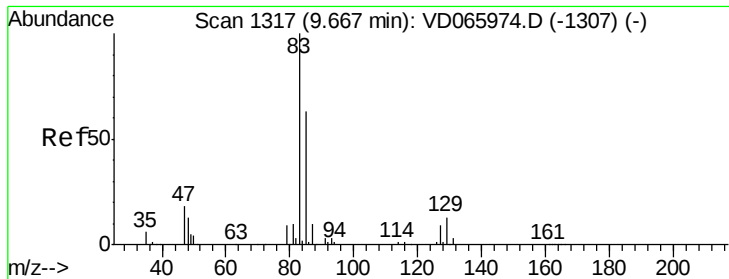
MMDadoda
 7/22/2020 2:44:20 PM



#46
 Dibromomethane
 Concen: 19.453 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065973.D
 Acq: 21 Jul 2020 10:49

Tgt Ion: 93 Resp: 34758
 Ion Ratio Lower Upper
 93 100
 95 86.4 66.2 99.4
 174 118.2 91.5 137.3





#47

Bromodichloromethane

Concen: 20.189 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Instrument :

MSVOA_D

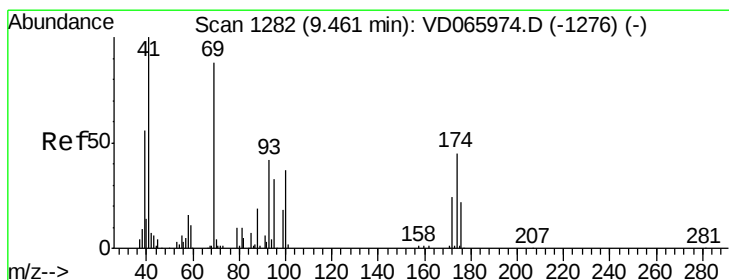
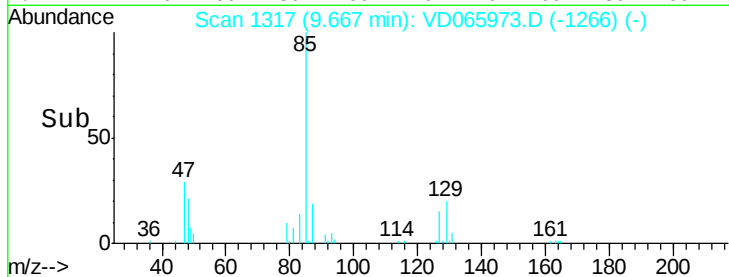
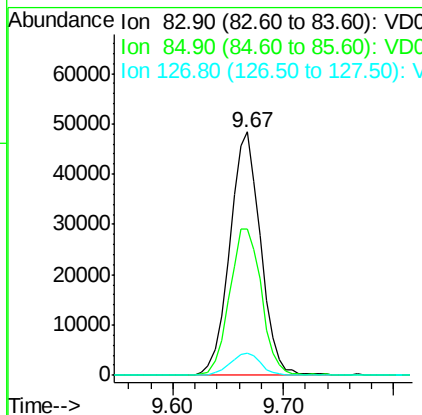
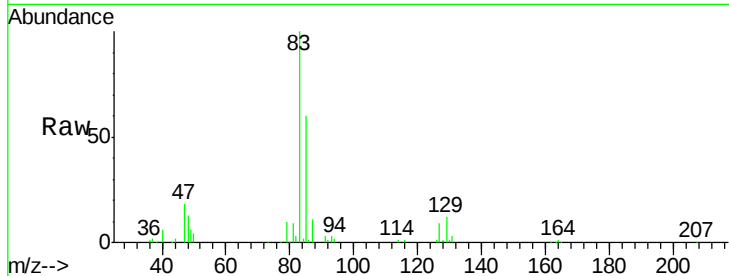
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	94535
Ion Ratio	Lower	Upper	
83	100		
85	60.1	50.6	75.8
127	8.9	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.094 ug/l

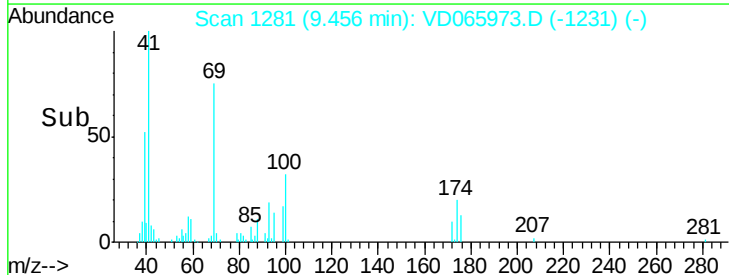
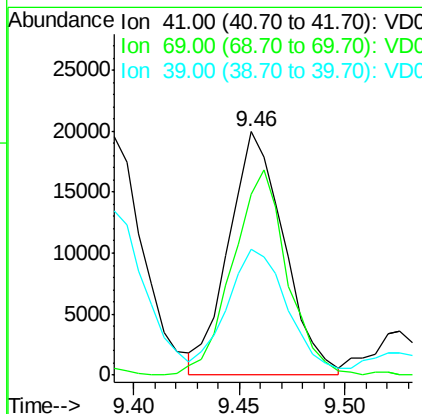
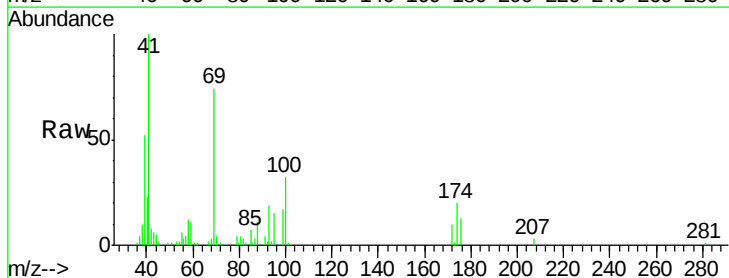
RT: 9.46 min Scan# 1281

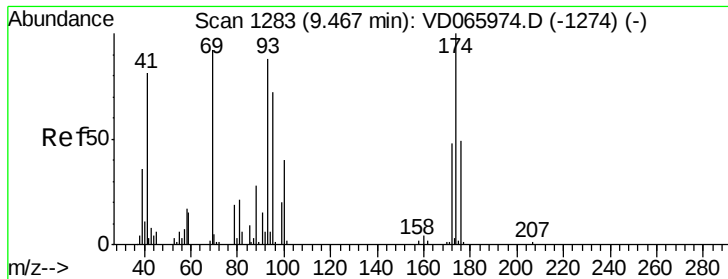
Delta R.T. -0.01 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Tgt Ion:	41	Resp:	36268
Ion Ratio	Lower	Upper	
41	100		
69	83.1	65.1	97.7
39	51.7	41.5	62.3





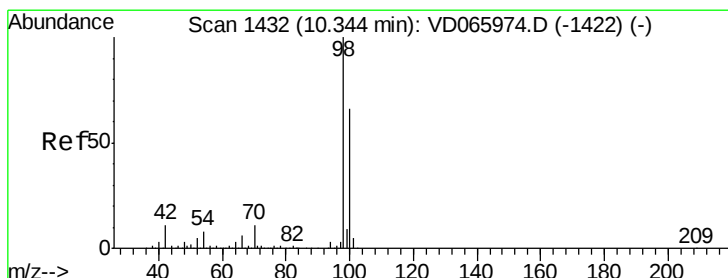
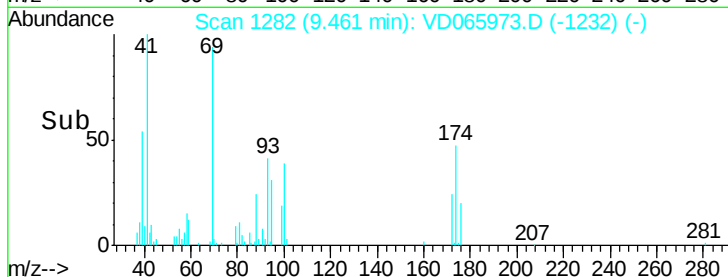
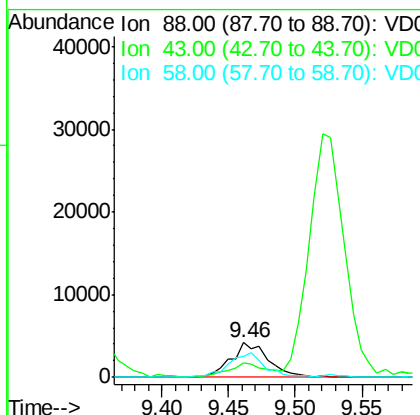
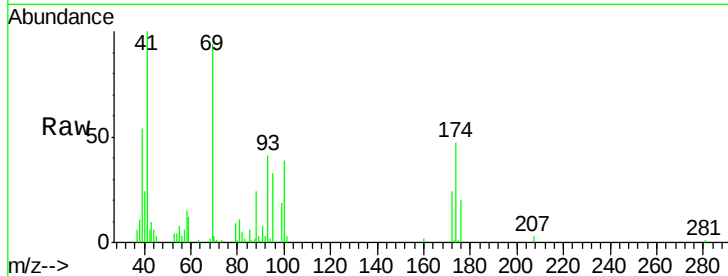
#49
1,4-Dioxane
Concen: 419.077 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.4	29.0	43.6
58	70.1	57.0	85.4

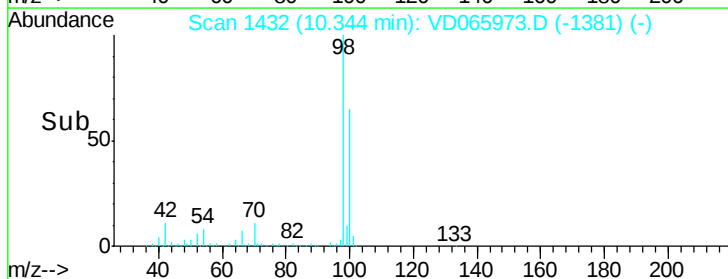
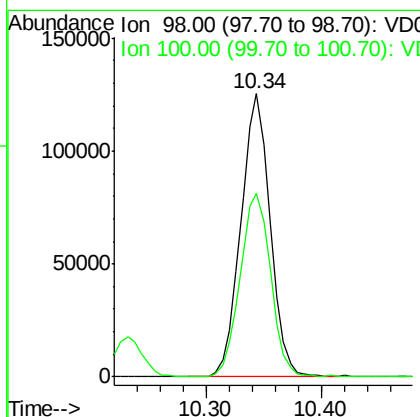
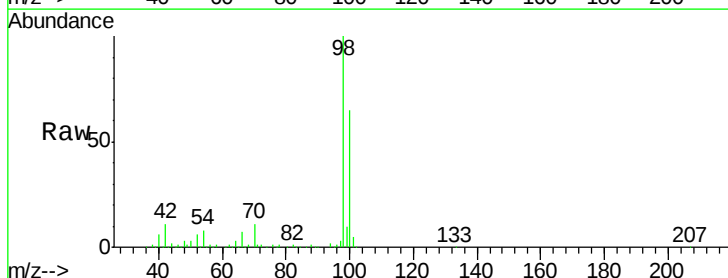
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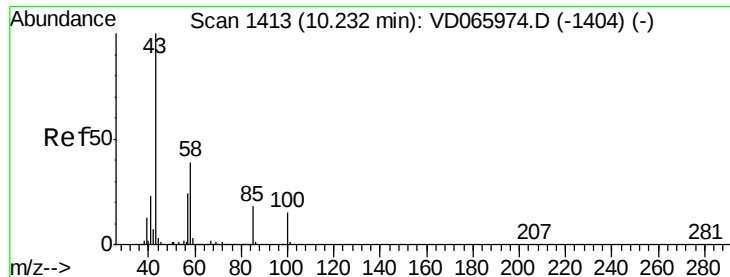
MMDadoda
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#50
Toluene-d8
Concen: 17.488 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.7	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 101.148 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 178979

Ion Ratio Lower Upper

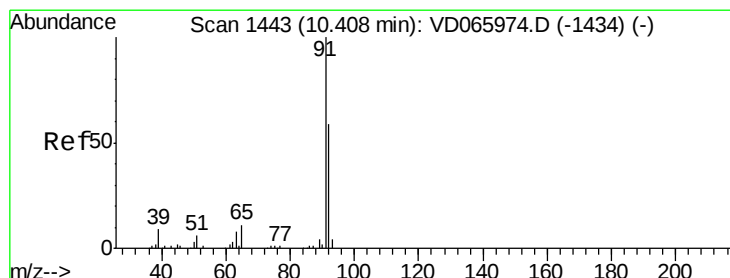
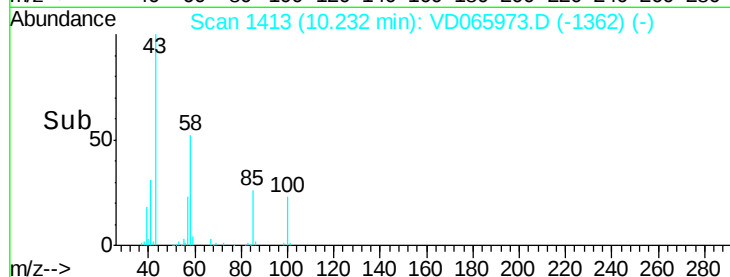
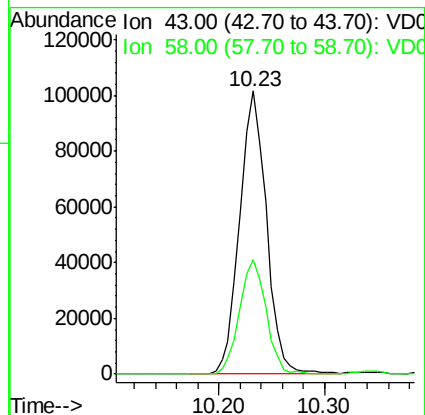
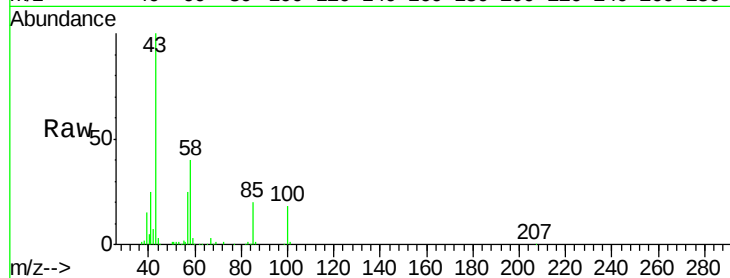
43 100

58 40.0 31.3 46.9

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#52

Toluene

Concen: 20.569 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065973.D

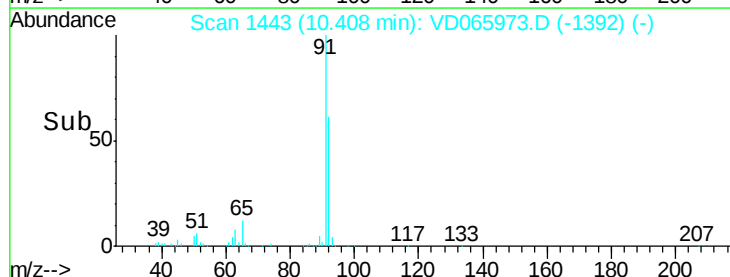
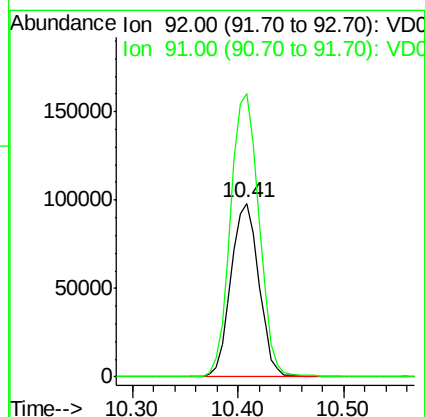
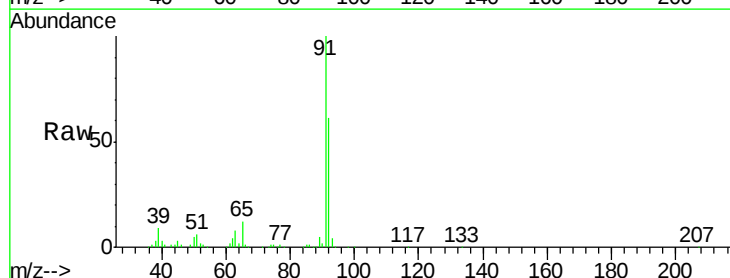
Acq: 21 Jul 2020 10:49

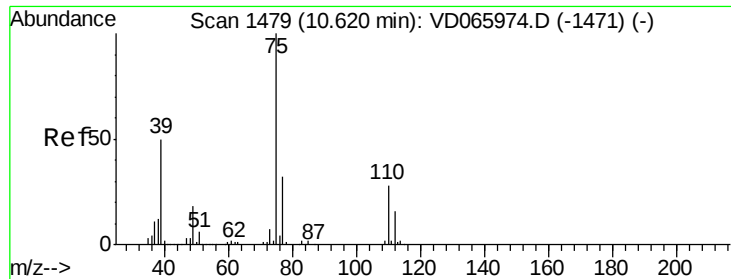
Tgt Ion: 92 Resp: 180312

Ion Ratio Lower Upper

92 100

91 165.8 134.5 201.7





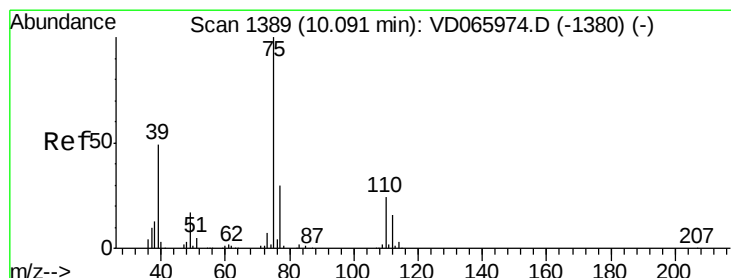
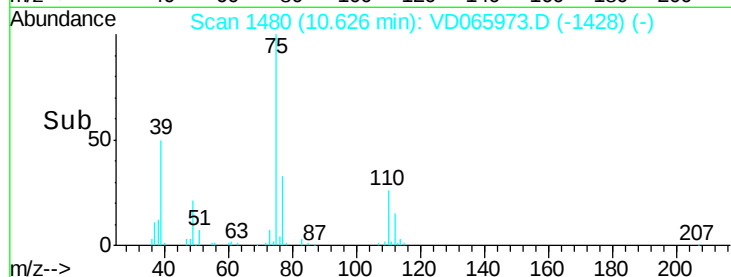
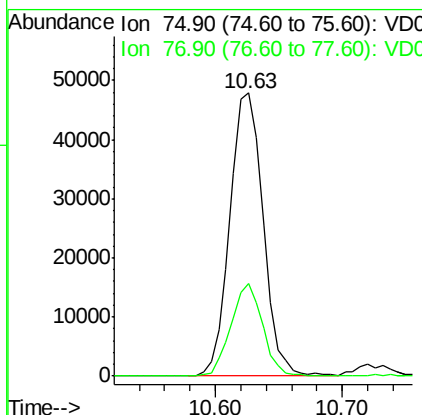
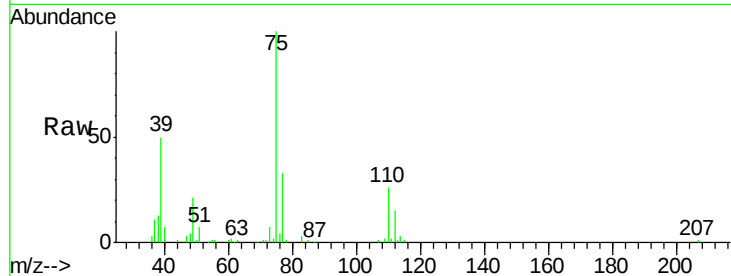
#53
t-1,3-Dichloropropene
Concen: 21.033 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 87056
Ion Ratio Lower Upper
75 100
77 32.6 25.8 38.6

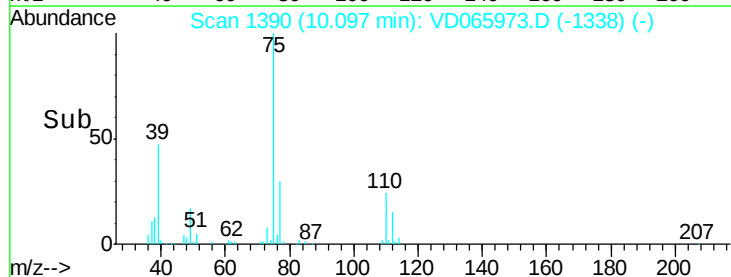
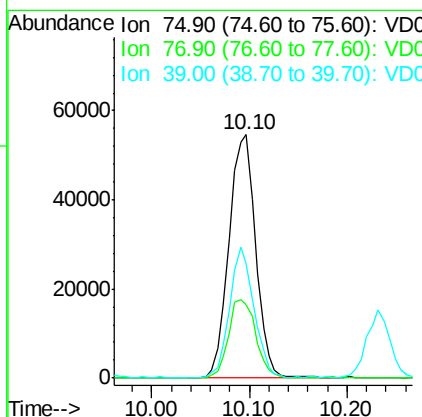
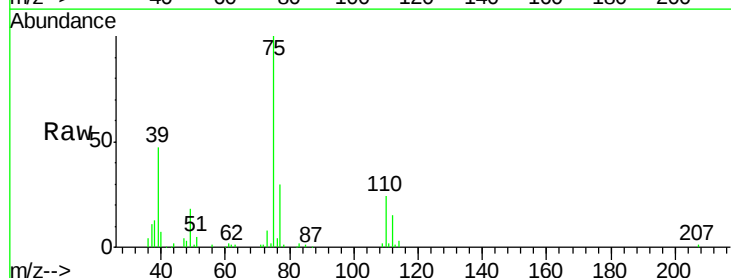
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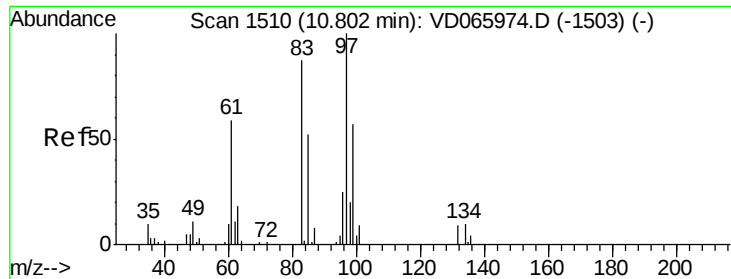
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#54
cis-1,3-Dichloropropene
Concen: 20.317 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.01 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

Tgt Ion: 75 Resp: 104082
Ion Ratio Lower Upper
75 100
77 30.3 23.8 35.8
39 47.0 38.8 58.2





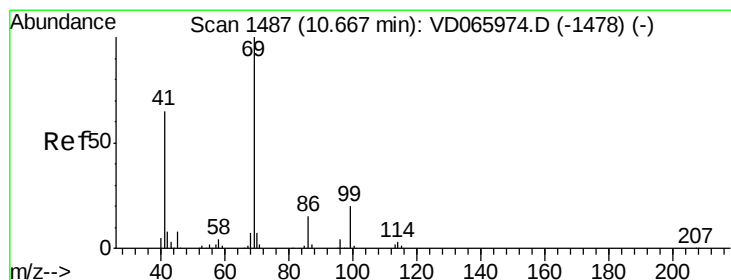
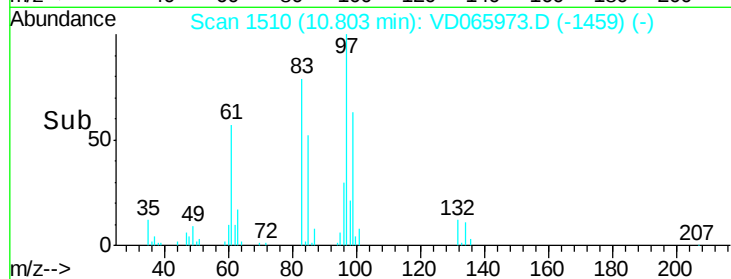
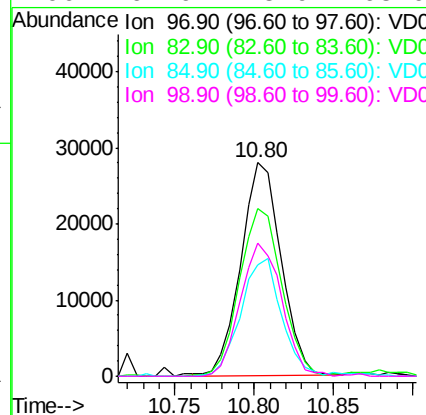
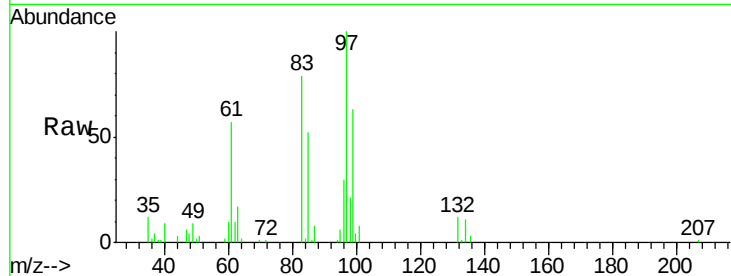
#55
 1,1,2-Trichloroethane
 Concen: 20.036 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD065973.D
 Acq: 21 Jul 2020 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	49269
Ion	Ratio	Lower	Upper
97	100		
83	78.5	69.7	104.5
85	52.7	41.6	62.4
99	62.9	45.9	68.9

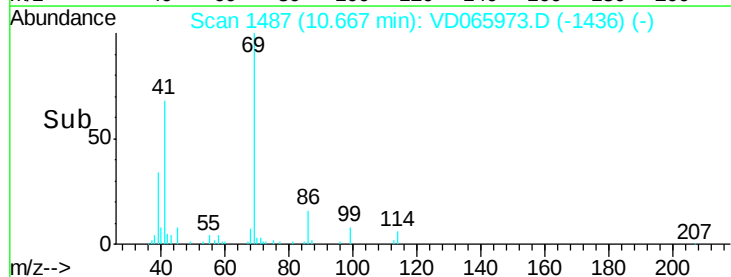
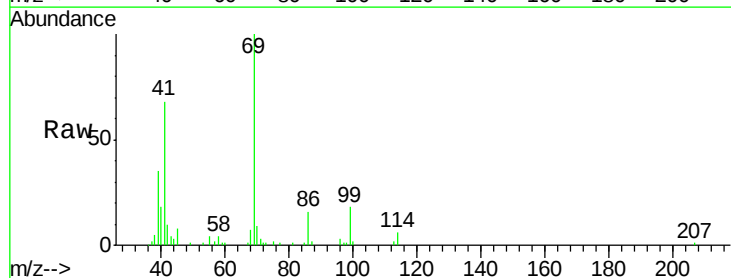
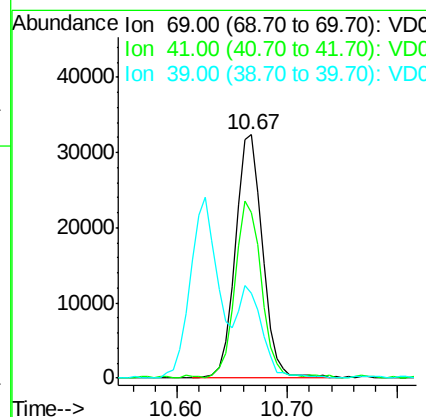
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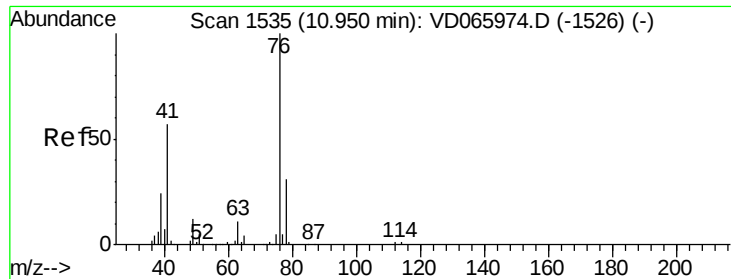
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#56
 Ethyl methacrylate
 Concen: 20.313 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065973.D
 Acq: 21 Jul 2020 10:49

Tgt Ion:	69	Resp:	56135
Ion	Ratio	Lower	Upper
69	100		
41	70.5	52.3	78.5
39	33.5	25.2	37.8





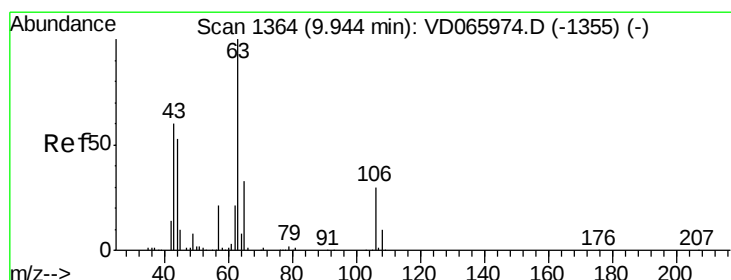
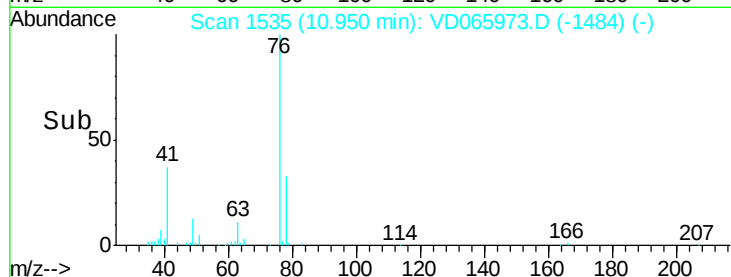
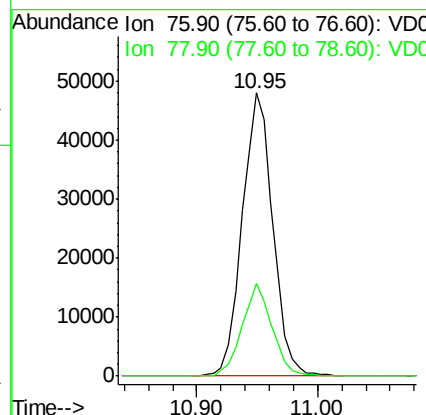
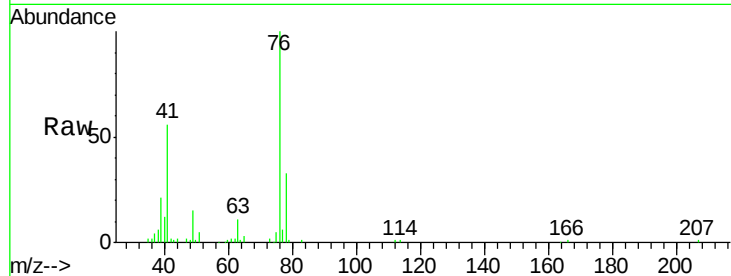
#57
 1,3-Dichloropropane
 Concen: 20.701 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065973.D
 Acq: 21 Jul 2020 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 76 Resp: 84688
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.6 38.4

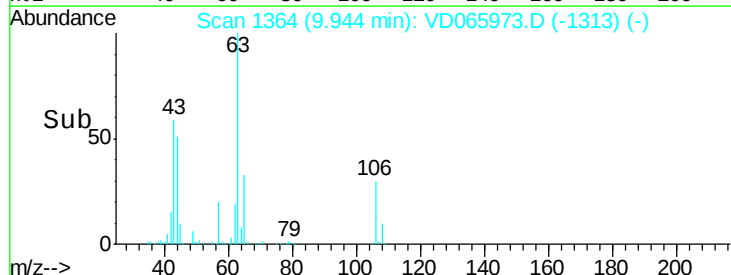
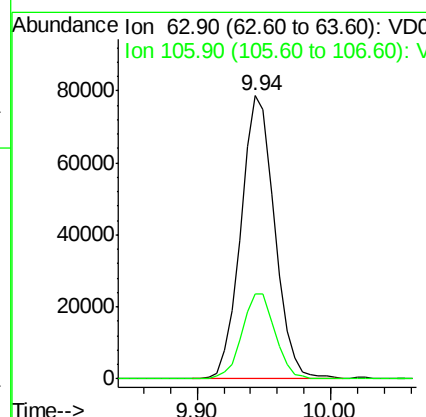
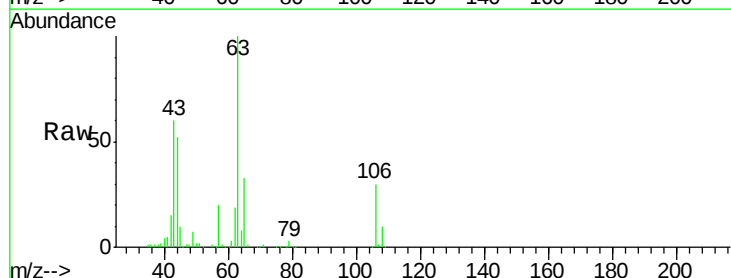
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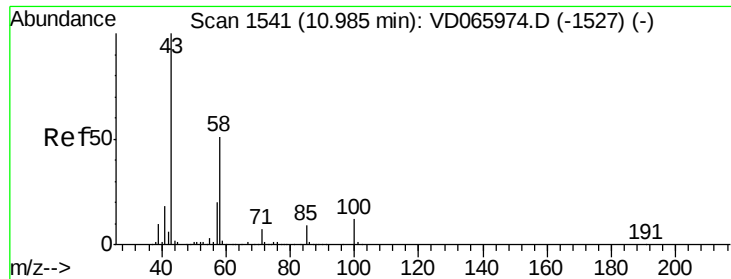
MMDadoda
 7/22/2020 2:44:20 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.079 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD065973.D
 Acq: 21 Jul 2020 10:49

Tgt Ion: 63 Resp: 137687
 Ion Ratio Lower Upper
 63 100
 106 29.4 24.4 36.6





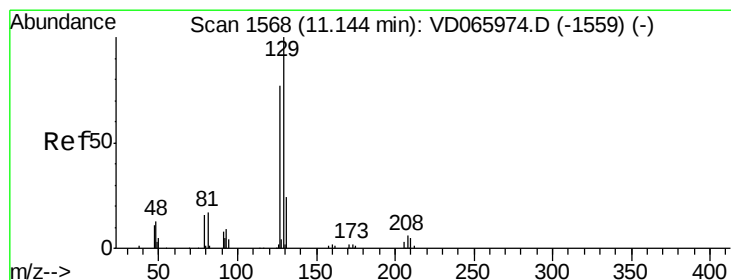
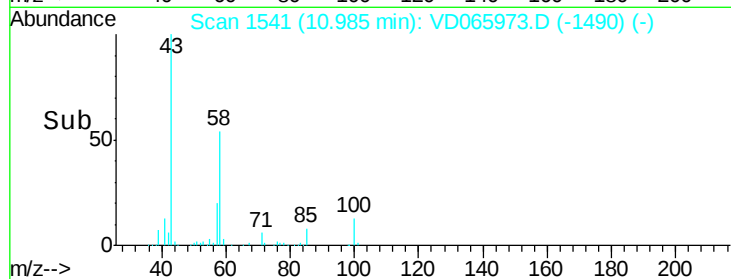
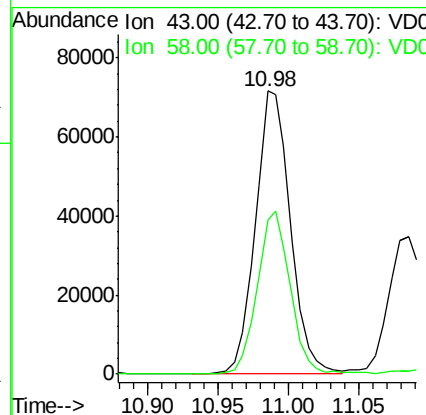
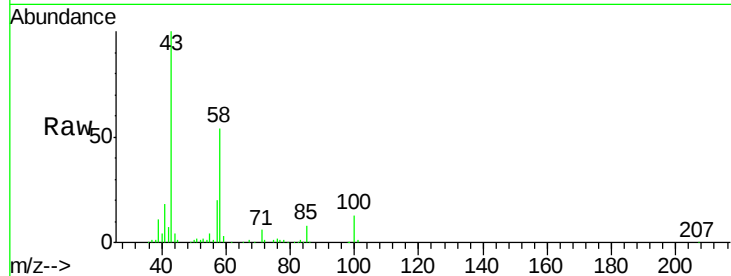
#59
2-Hexanone
Concen: 102.464 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	124588
Ion Ratio	43	100	
Lower	58	54.3	26.2
Upper			78.6

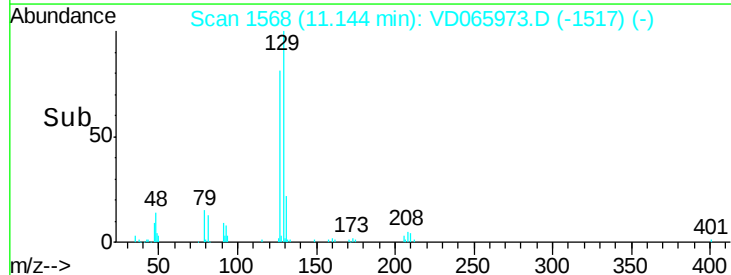
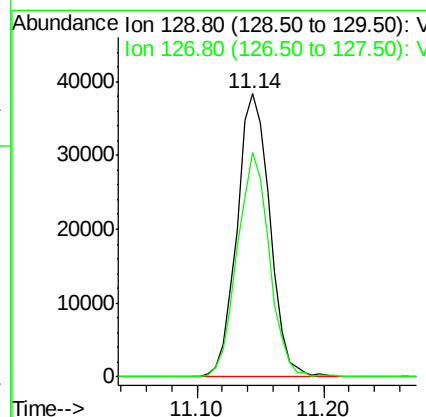
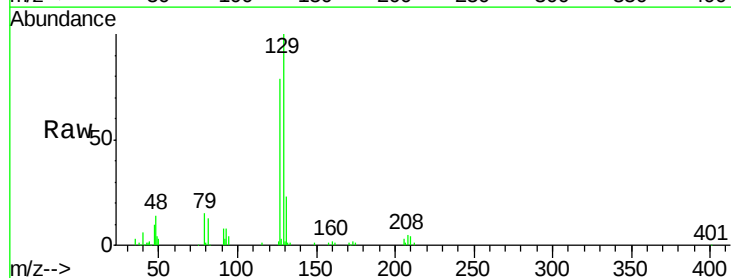
Manual Integrations
APPROVED

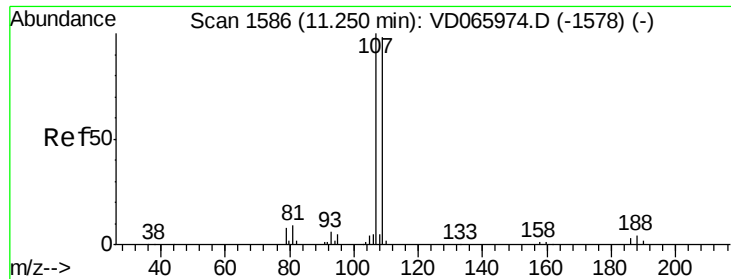
MMDadoda
7/22/2020 2:44:20 PM



#60
Dibromochloromethane
Concen: 20.717 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

Tgt Ion	129	Resp	68835
Ion Ratio	129	100	
Lower	127	77.2	38.6
Upper			115.7





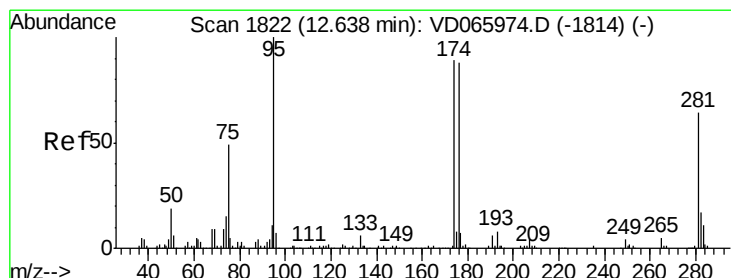
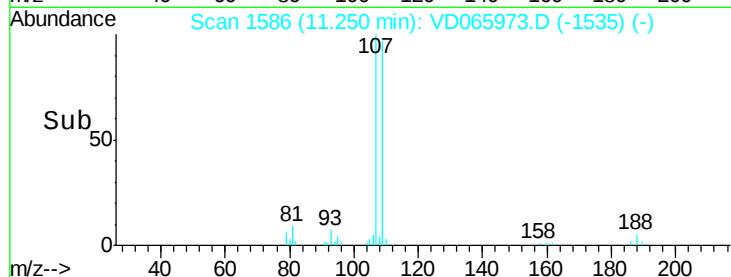
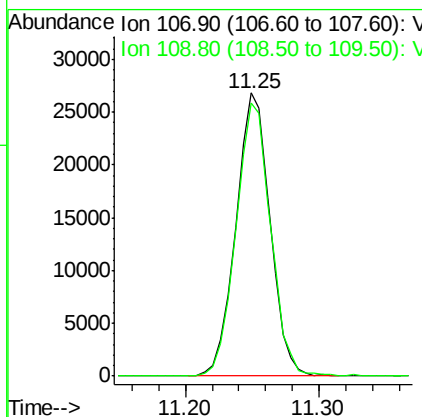
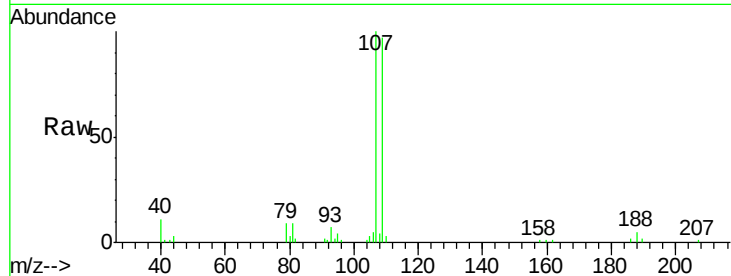
#61
 1,2-Dibromoethane
 Concen: 19.925 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065973.D
 Acq: 21 Jul 2020 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 107 Resp: 47389
 Ion Ratio Lower Upper
 107 100
 109 98.0 75.0 112.4

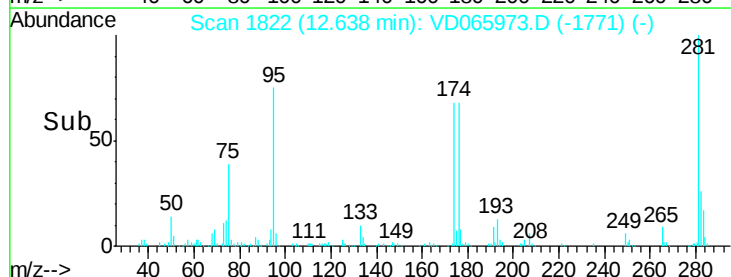
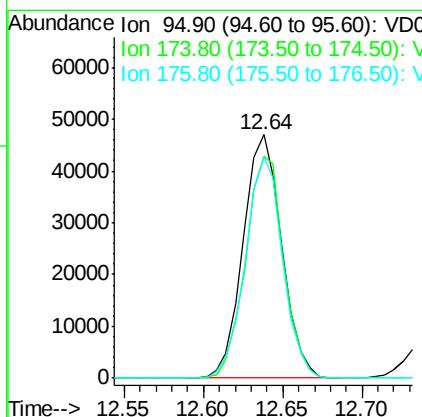
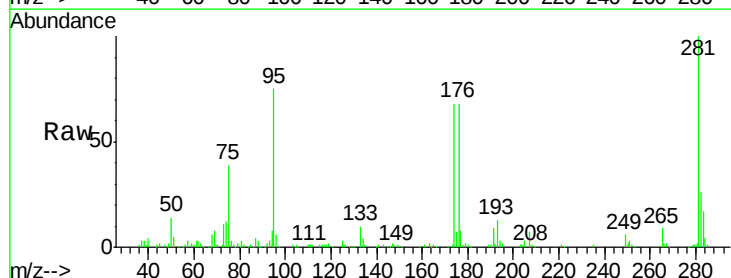
Manual Integrations
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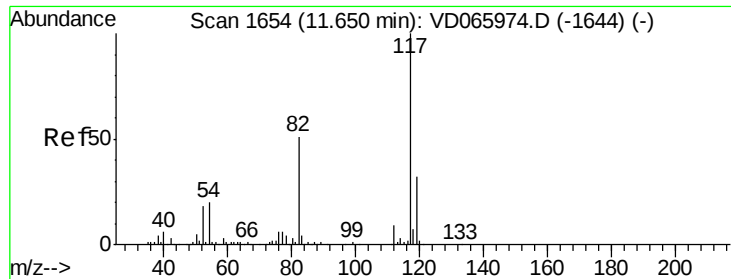
MMDadoda
 7/22/2020 2:44:20 PM



#62
 4-Bromofluorobenzene
 Concen: 17.716 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065973.D
 Acq: 21 Jul 2020 10:49

Tgt Ion: 95 Resp: 79244
 Ion Ratio Lower Upper
 95 100
 174 89.9 0.0 178.8
 176 88.2 0.0 172.6





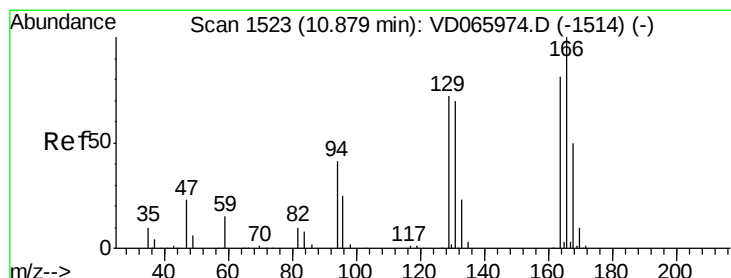
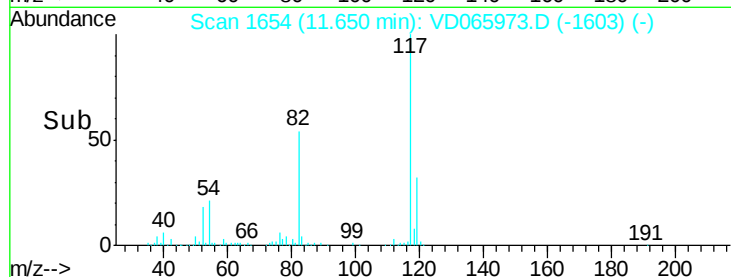
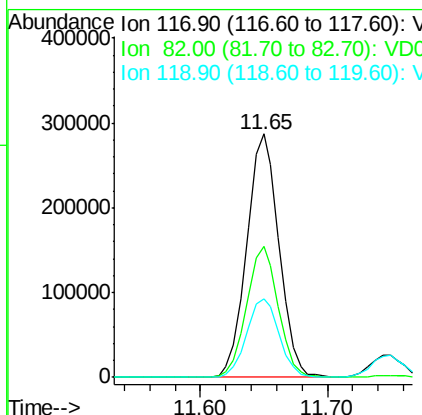
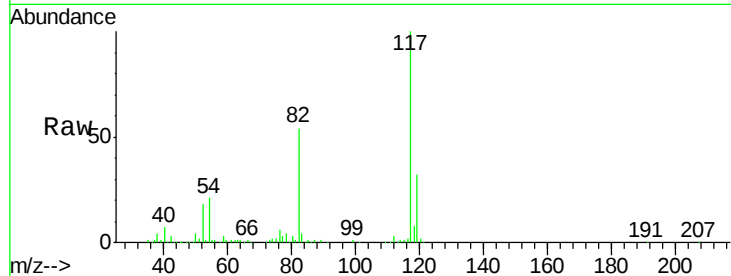
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	506752		
82	53.9		41.1	61.7
119	32.4		25.9	38.9

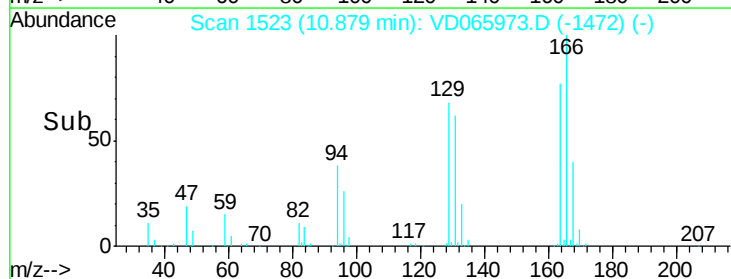
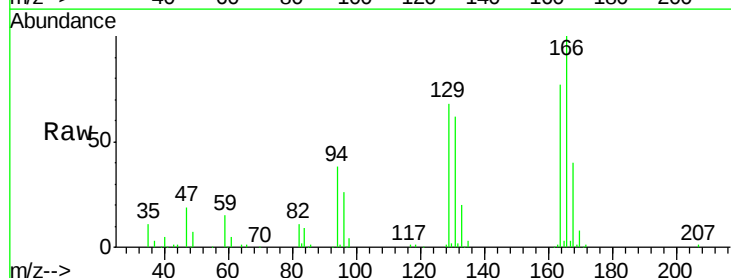
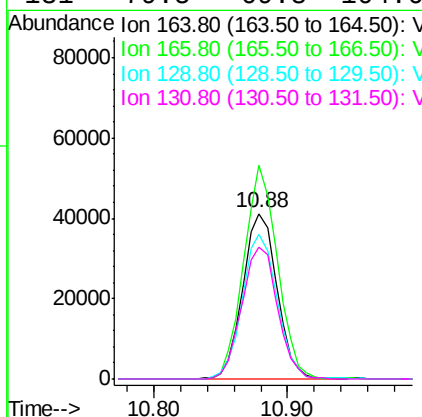
Manual Integrations
APPROVED

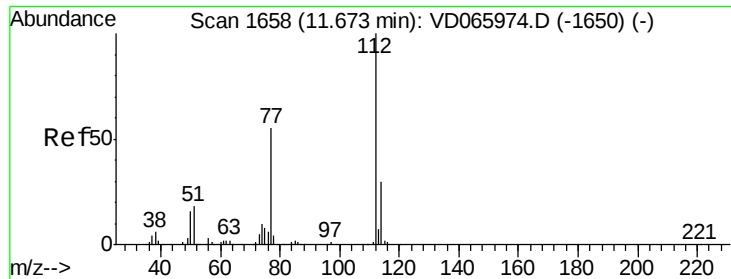
MMDadoda
7/22/2020 2:44:20 PM



#64
Tetrachloroethene
Concen: 21.094 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	73075		
166	129.1		99.1	148.7
129	87.7		71.5	107.3
131	79.5		69.8	104.6





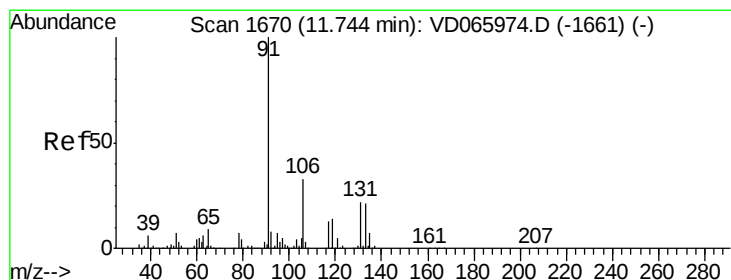
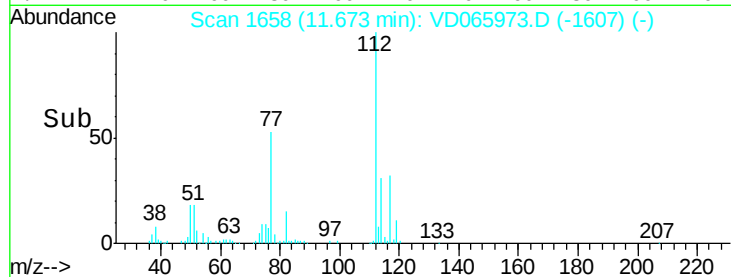
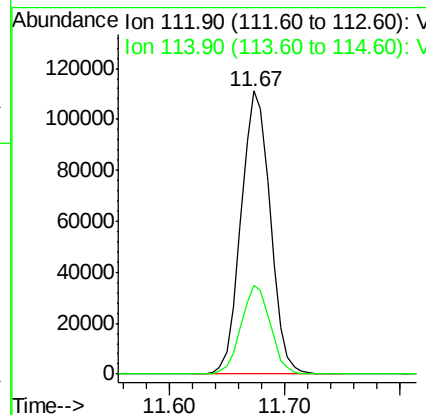
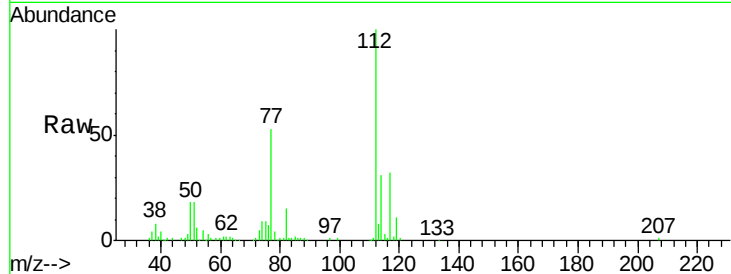
#65
Chlorobenzene
Concen: 20.811 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 194543
Ion Ratio Lower Upper
112 100
114 31.3 24.4 36.6

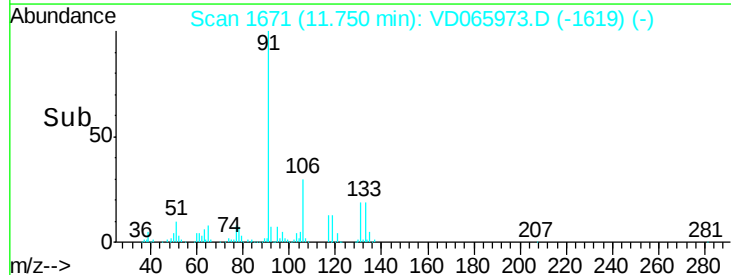
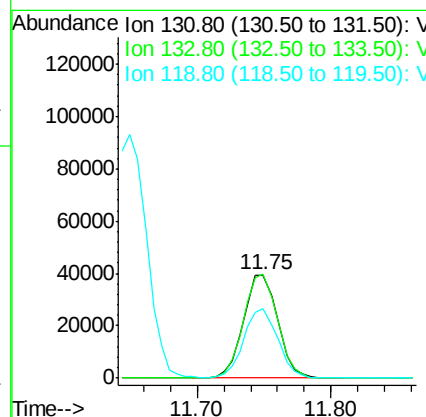
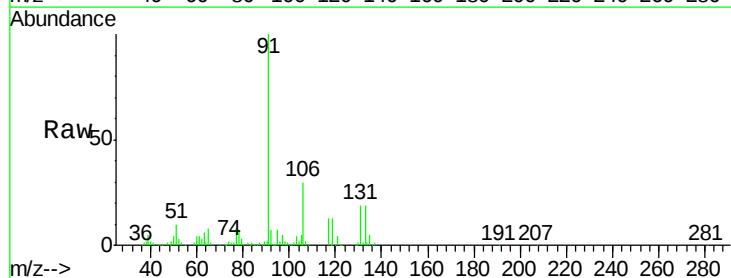
Manual Integrations
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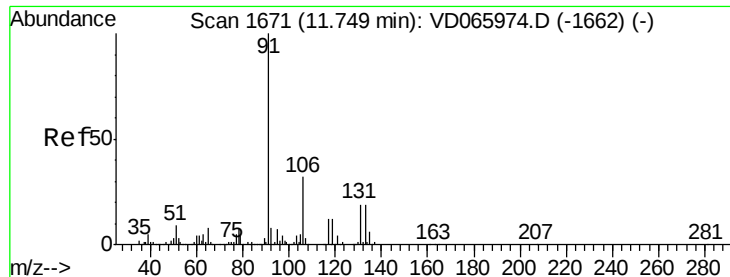
MMDadoda
7/22/2020 2:44:20 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.270 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

Tgt Ion:131 Resp: 70111
Ion Ratio Lower Upper
131 100
133 99.7 47.3 142.0
119 66.9 31.7 95.1





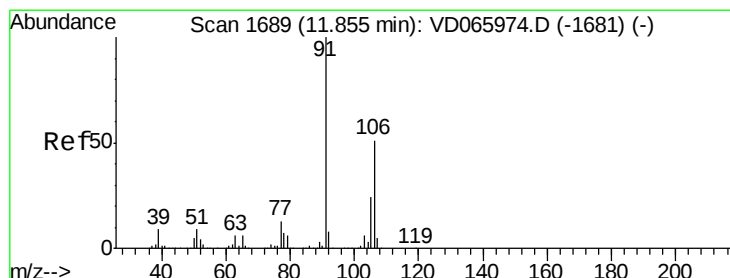
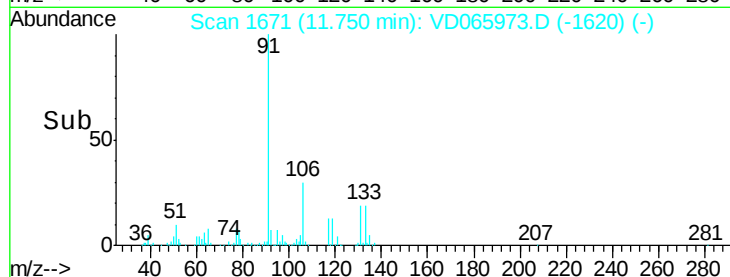
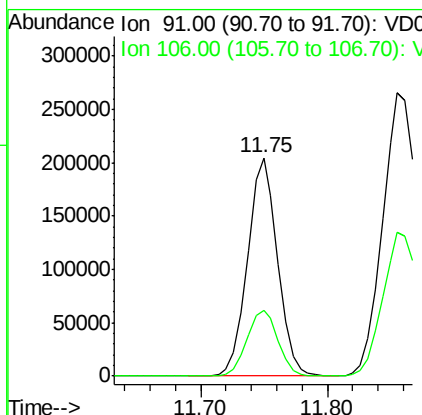
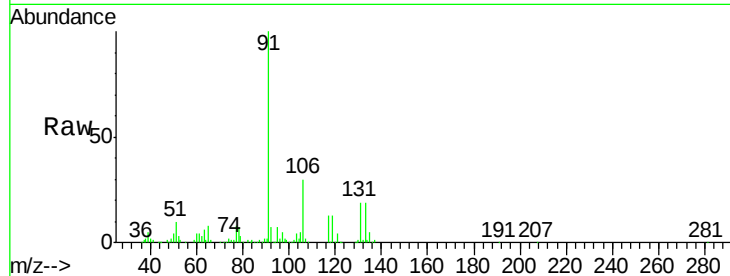
#67
Ethyl Benzene
Concen: 20.934 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 335637
Ion Ratio Lower Upper
91 100
106 30.2 25.7 38.5

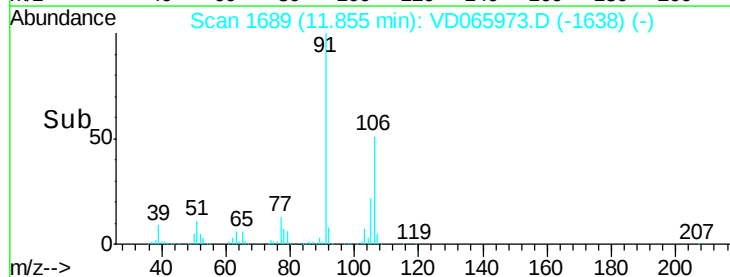
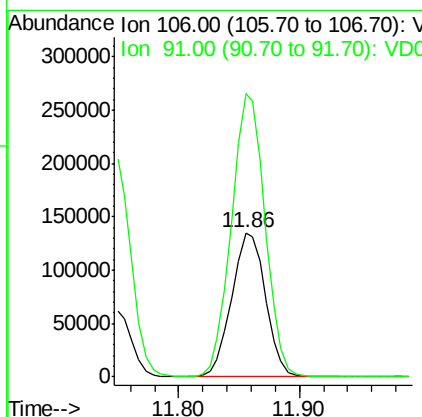
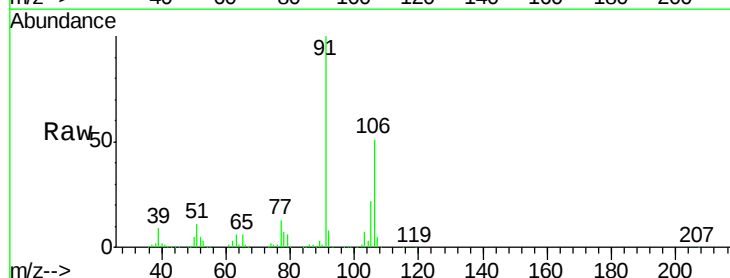
Manual Integrations
APPROVED

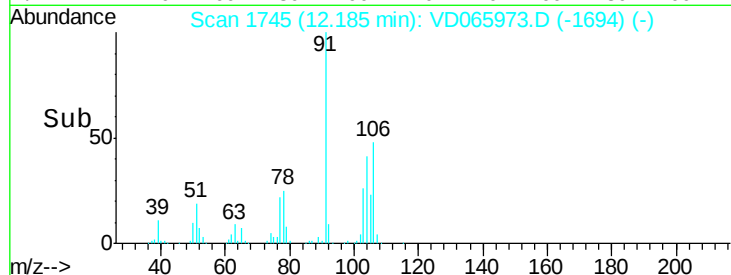
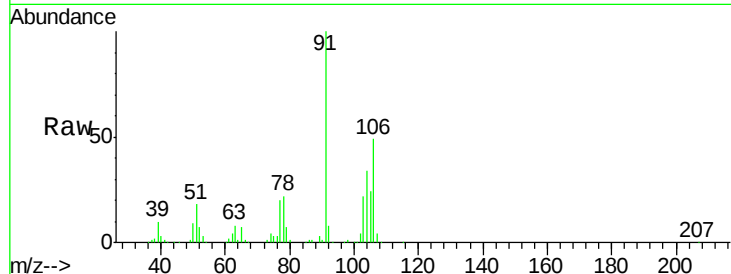
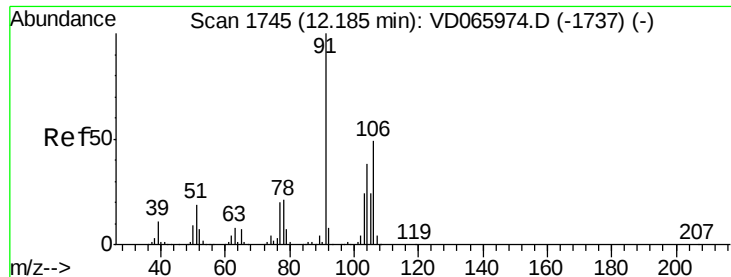
MMDadoda
7/22/2020 2:44:20 PM



#68
m/p-Xylenes
Concen: 42.431 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

Tgt Ion: 106 Resp: 263094
Ion Ratio Lower Upper
106 100
91 195.3 157.0 235.6





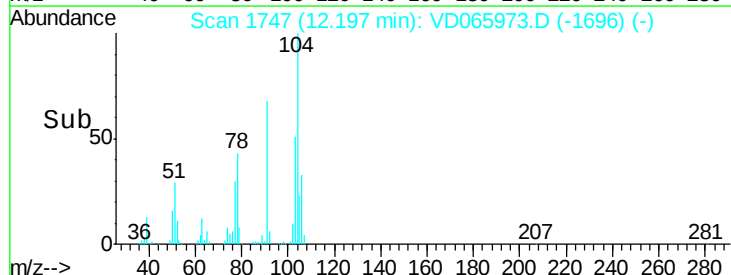
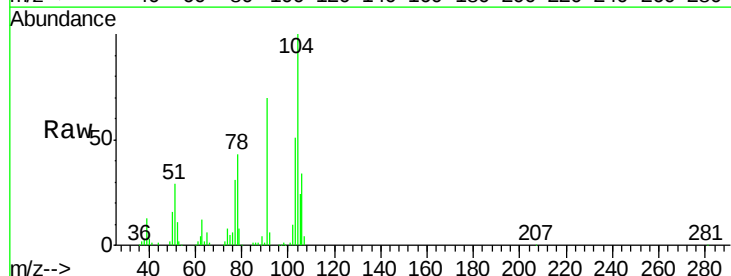
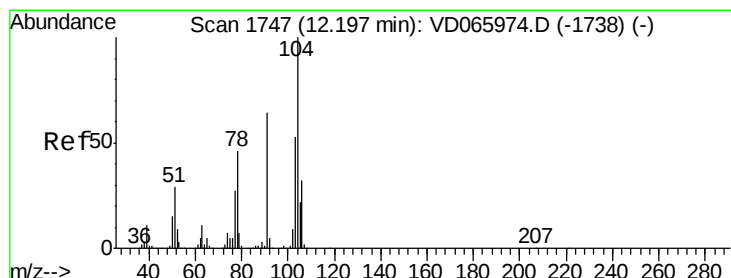
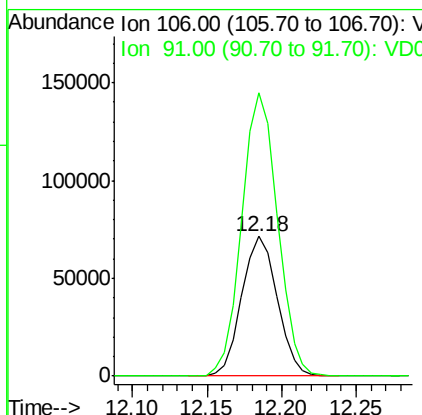
#69
o-Xylene
Concen: 21.371 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		117963		
91	203.9	103.1	309.3		

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

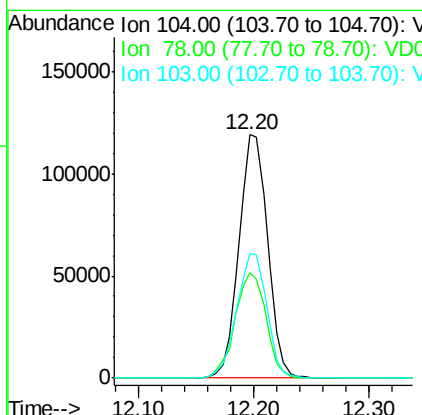
Manual Integrations
APPROVED

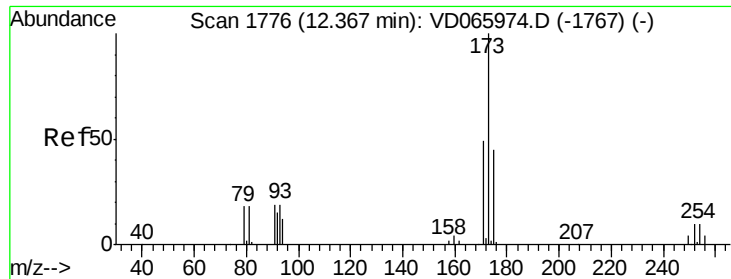
MMDadoda
7/22/2020 2:44:20 PM



#70
Styrene
Concen: 21.507 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		205496		
78	46.5	38.3	57.5		
103	53.9	43.8	65.8		





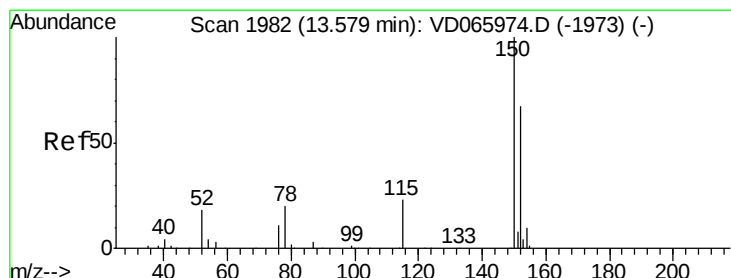
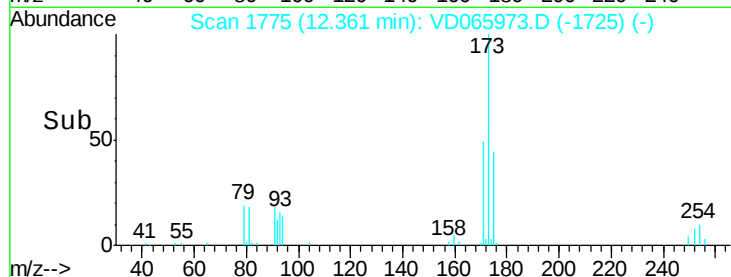
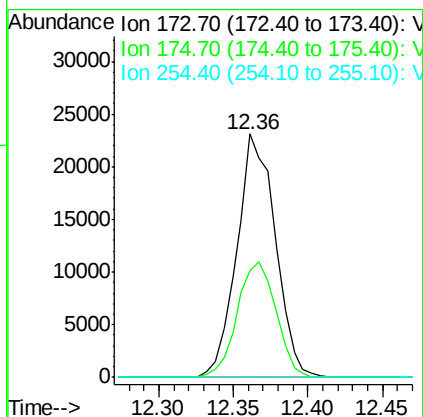
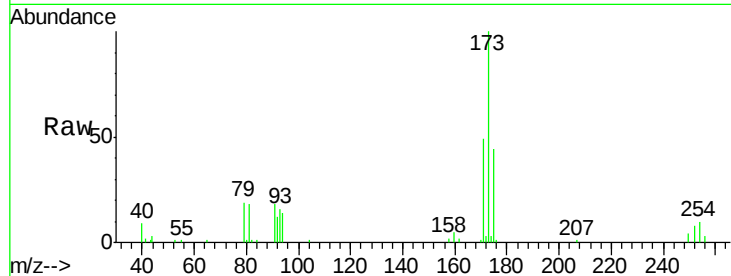
#71
Bromoform
Concen: 21.294 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.1	72.3
254	0.0	0.0	0.0

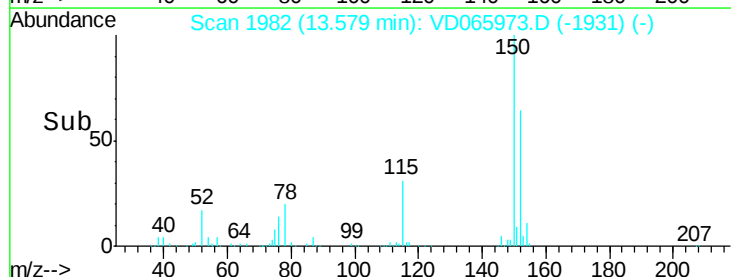
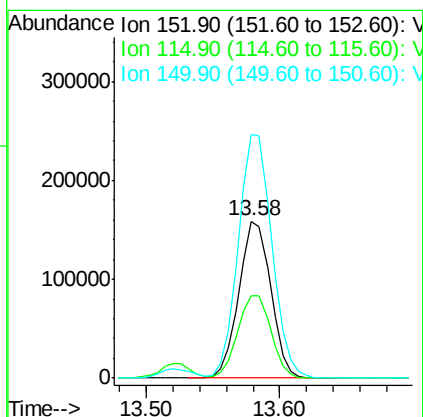
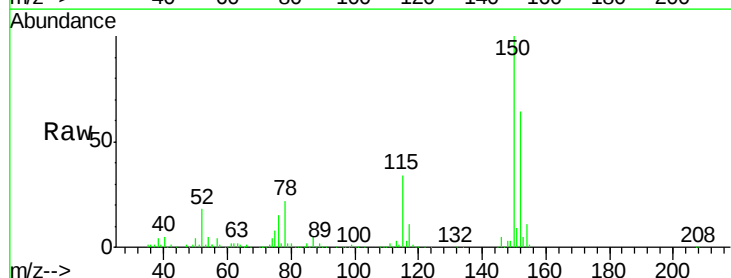
Manual Integrations
APPROVED

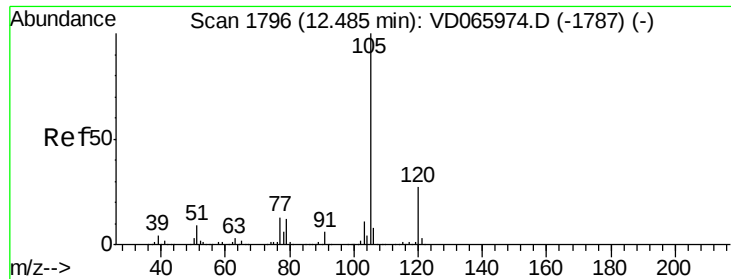
MMDadoda
7/22/2020 2:44:20 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.9	27.9	83.7
150	162.6	0.0	348.2





#73

Isopropylbenzene

Concen: 20.806 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 328204

Ion Ratio Lower Upper

105 100

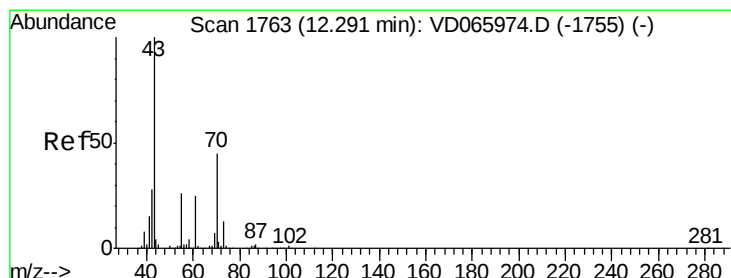
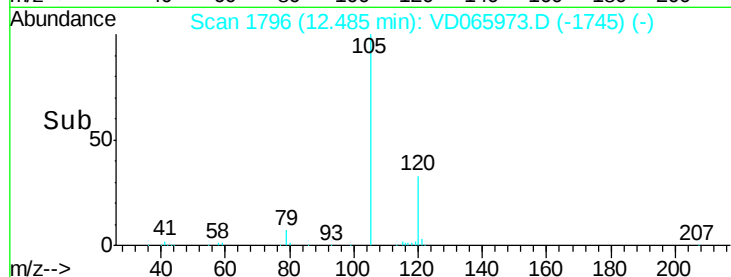
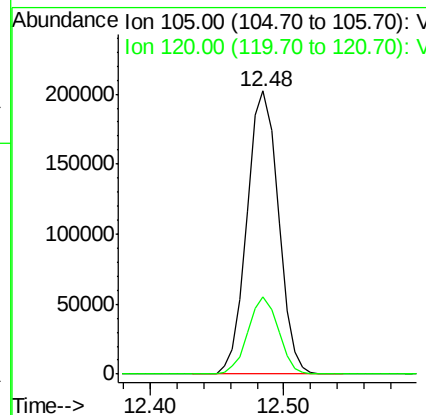
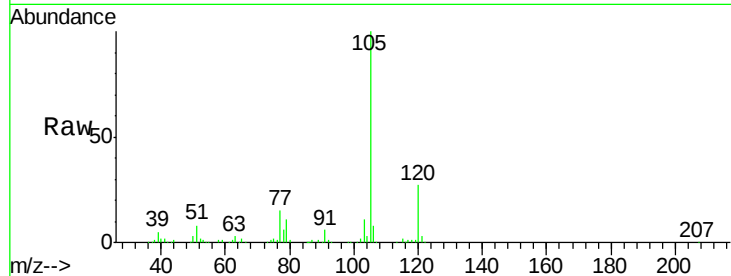
120 26.4 13.6 40.8

Manual Integrations

APPROVED

MMDadoda

7/22/2020 2:44:20 PM



#74

N-ethyl acetate

Concen: 20.032 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Tgt Ion: 43 Resp: 63559

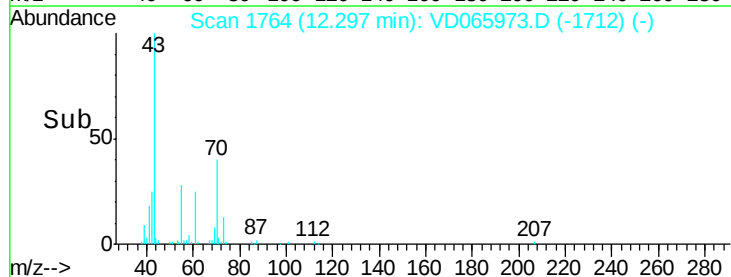
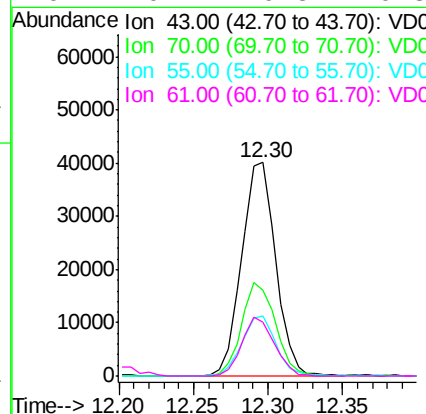
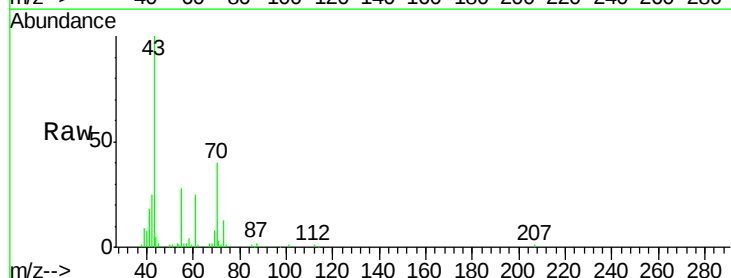
Ion Ratio Lower Upper

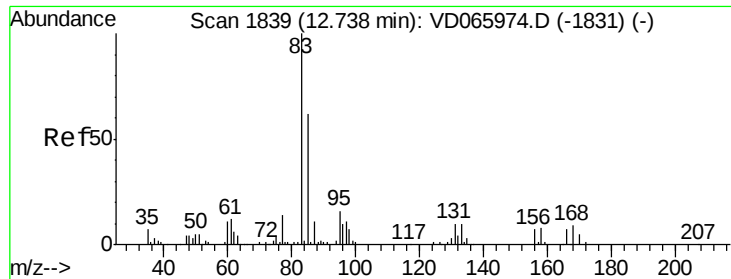
43 100

70 43.3 34.6 51.8

55 28.2 20.3 30.5

61 26.4 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 20.961 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 83 Resp: 54688

Ion Ratio Lower Upper

83 100

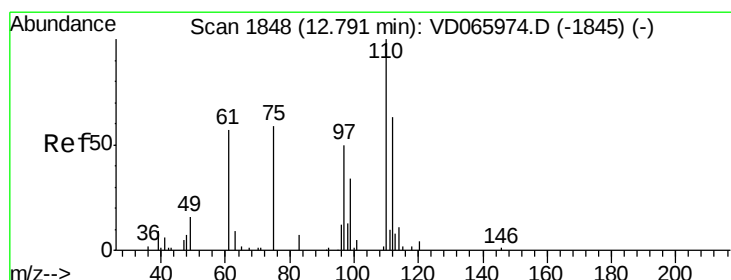
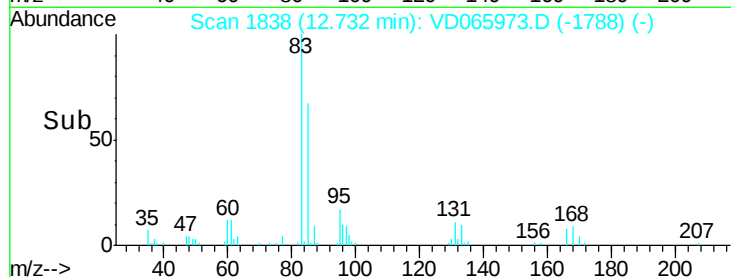
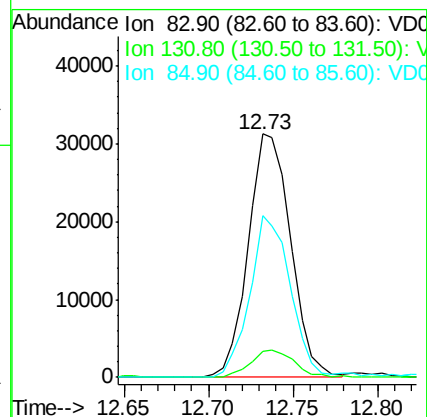
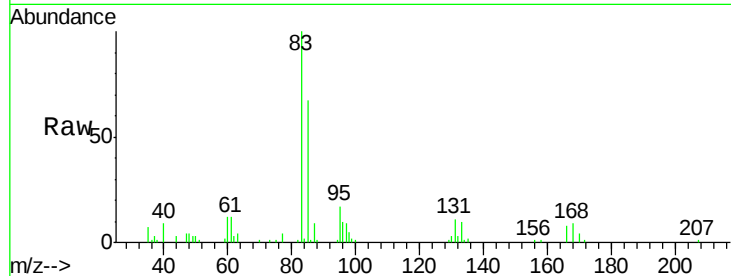
131 11.6 5.7 17.1

85 64.2 31.9 95.5

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#76

1,2,3-Trichloropropane

Concen: 17.371 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065973.D

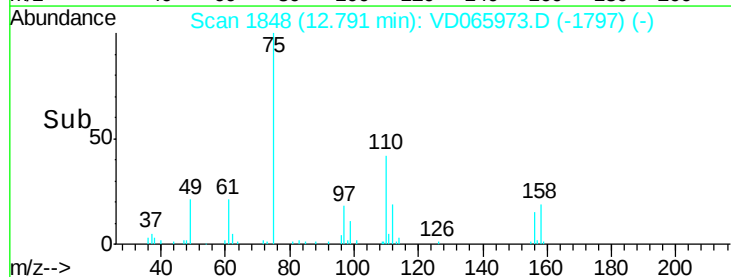
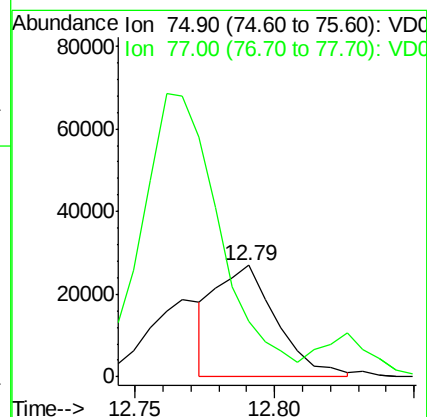
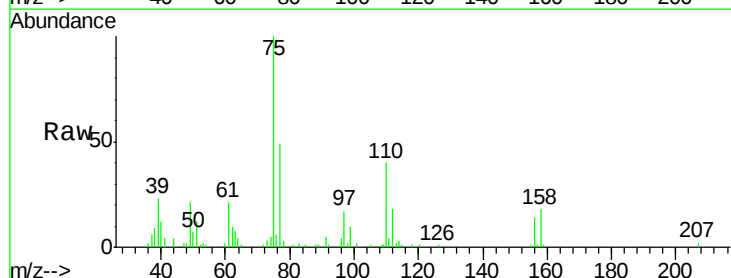
Acq: 21 Jul 2020 10:49

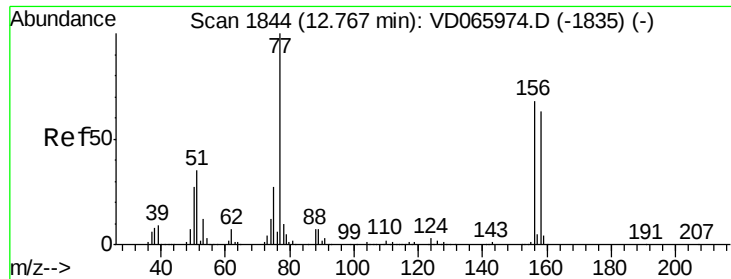
Tgt Ion: 75 Resp: 40662

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.505 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Instrument :

MSVOA_D

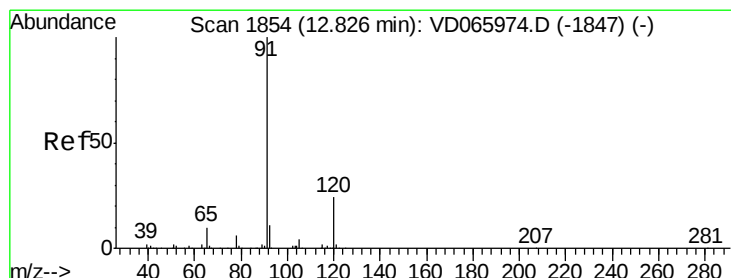
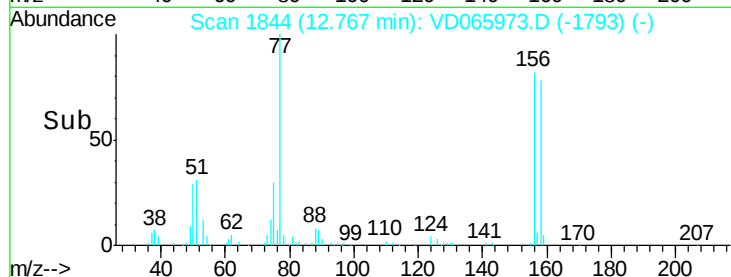
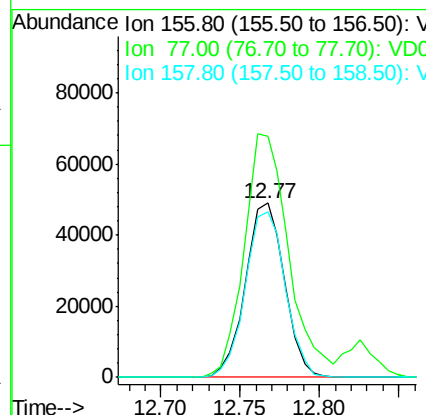
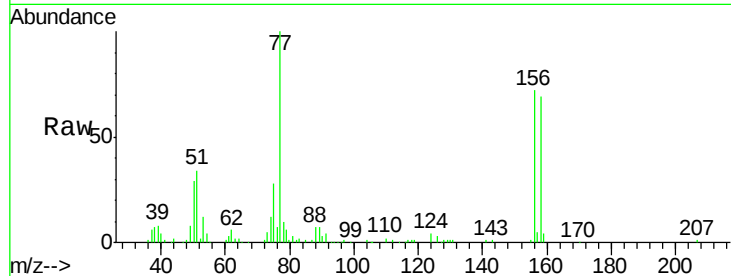
ClientSampleId :

VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	159.9	83.0	249.0	
158	97.5	48.2	144.6	

Manual Integrations
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#78

n-propylbenzene

Concen: 20.455 ug/l

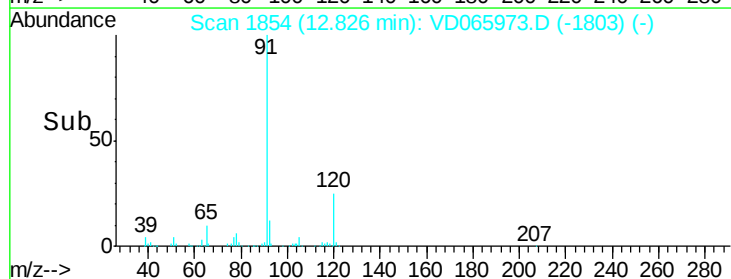
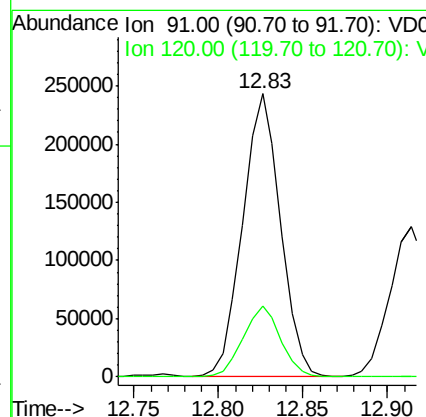
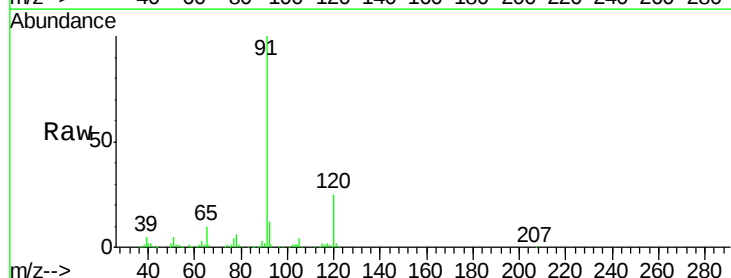
RT: 12.83 min Scan# 1854

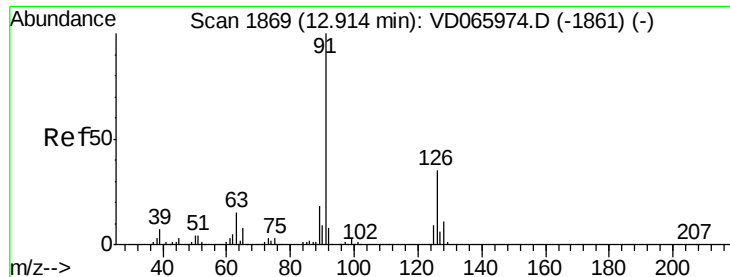
Delta R.T. 0.00 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.7	12.0	36.0	





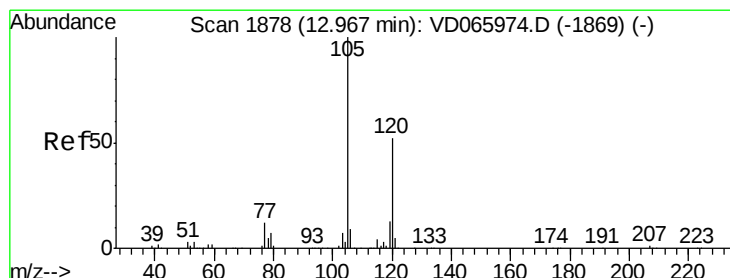
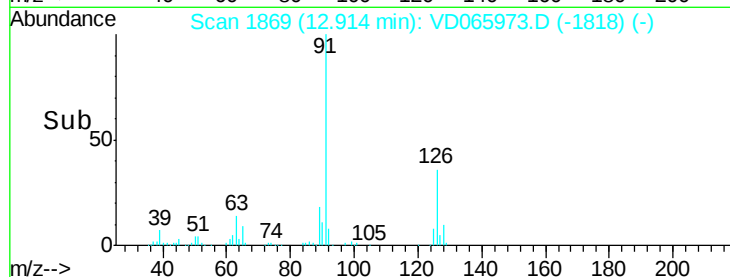
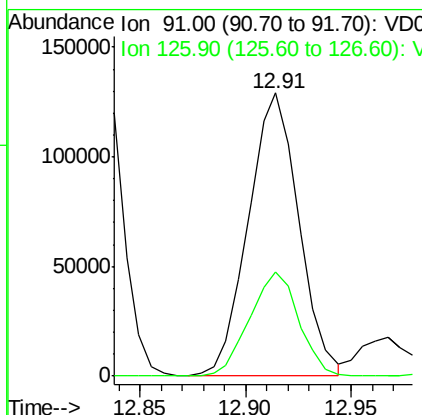
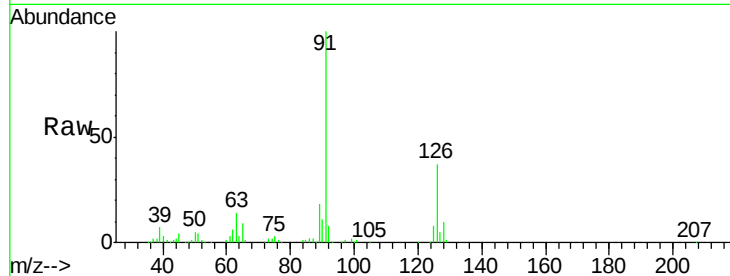
#79
 2-Chlorotoluene
 Concen: 20.293 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065973.D
 Acq: 21 Jul 2020 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 91 Resp: 214114
 Ion Ratio Lower Upper
 91 100
 126 35.8 17.7 53.1

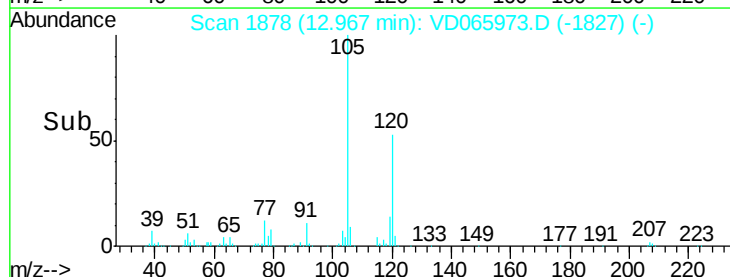
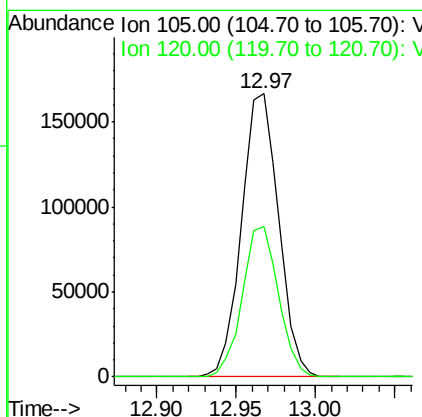
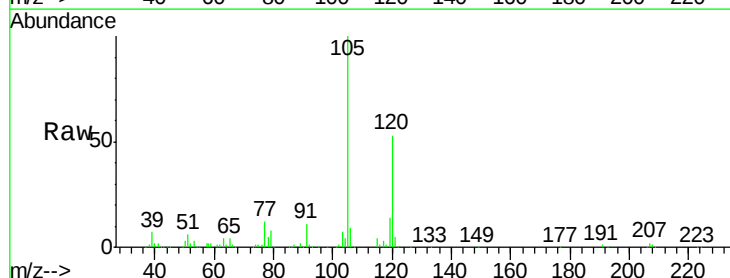
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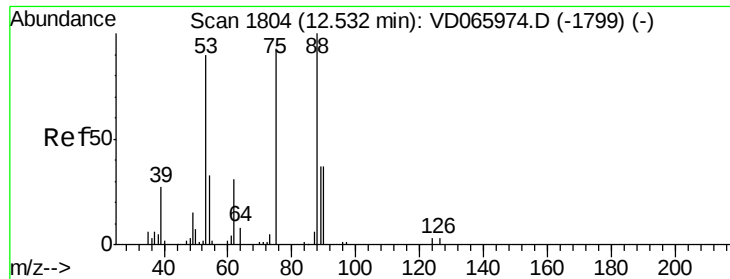
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.631 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065973.D
 Acq: 21 Jul 2020 10:49

Tgt Ion: 105 Resp: 271086
 Ion Ratio Lower Upper
 105 100
 120 52.0 25.6 76.6





#81

trans-1,4-Dichloro-2-butene

Concen: 20.149 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Instrument :

MSVOA_D

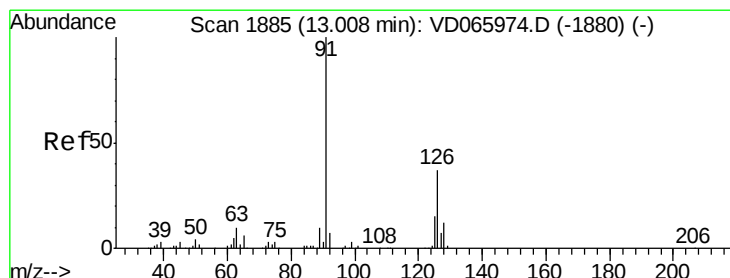
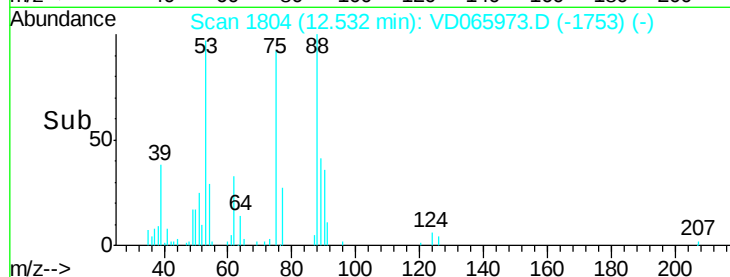
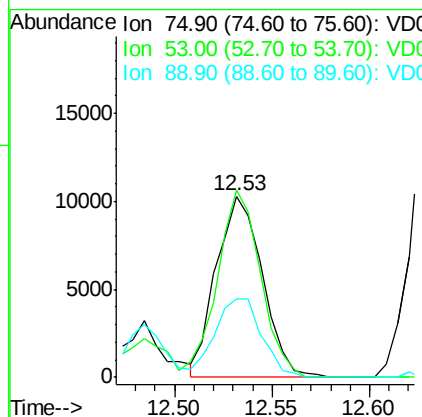
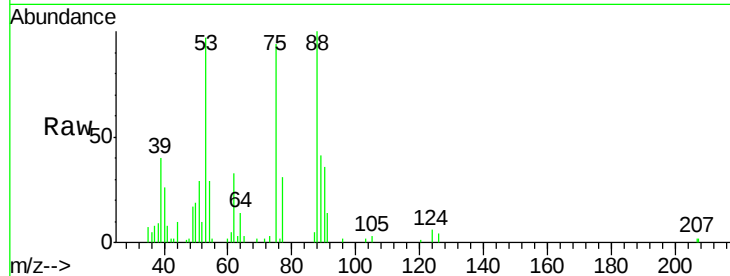
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	16809
Ion Ratio	Lower	Upper	
75	100		
53	97.1	76.8	115.2
89	44.3	37.0	55.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.658 ug/l

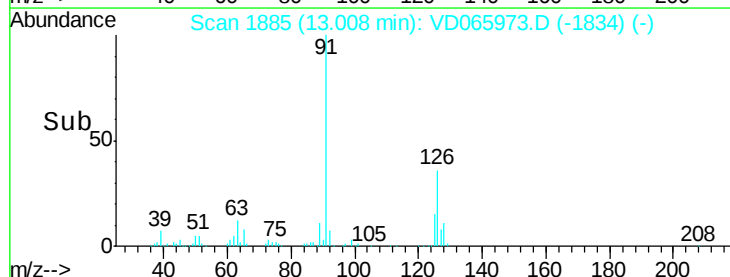
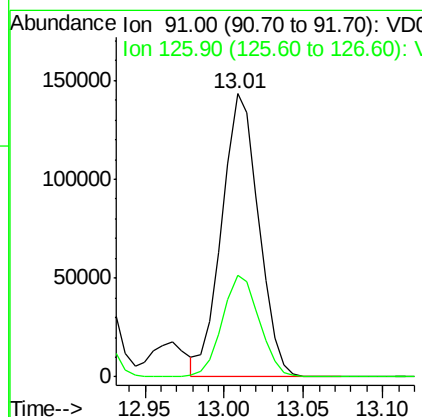
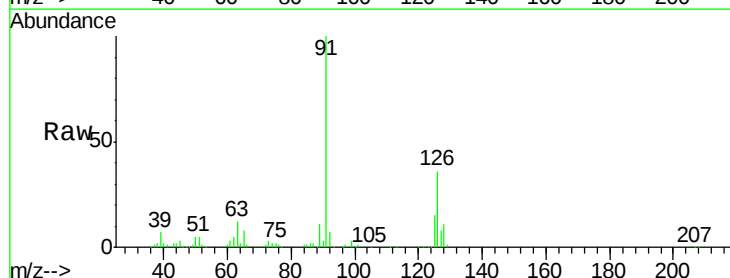
RT: 13.01 min Scan# 1885

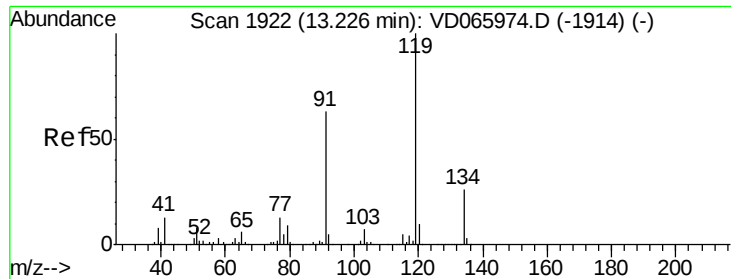
Delta R.T. 0.00 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Tgt Ion:	91	Resp:	231546
Ion Ratio	Lower	Upper	
91	100		
126	36.0	17.8	53.5





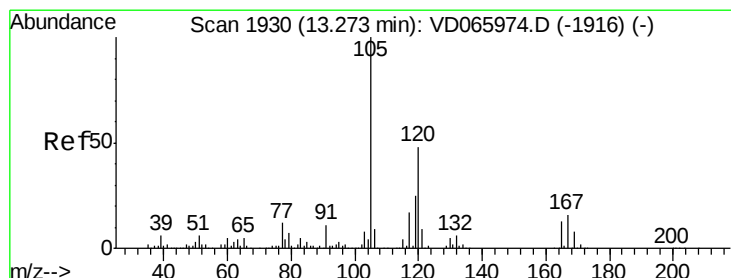
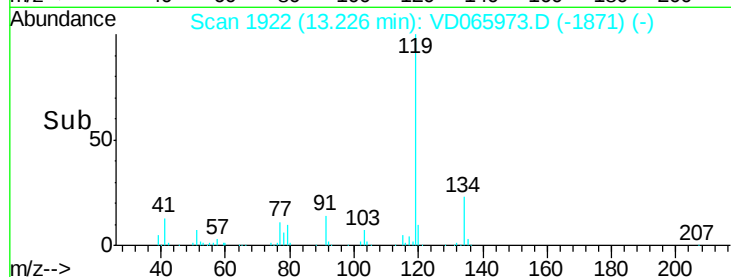
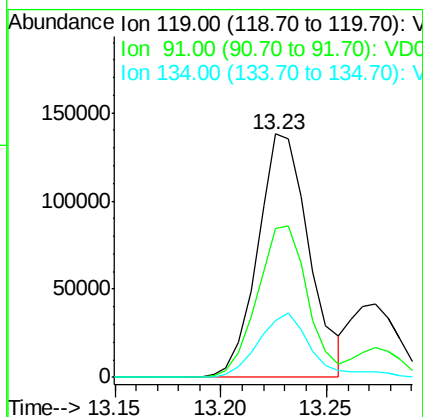
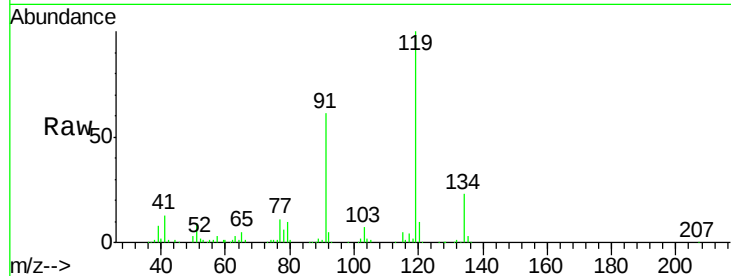
#83
tert-Butylbenzene
Concen: 20.470 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	233584		
91	61.0		30.6	91.6
134	27.4		13.9	41.7

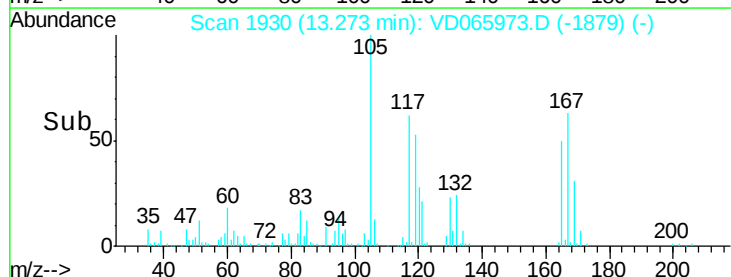
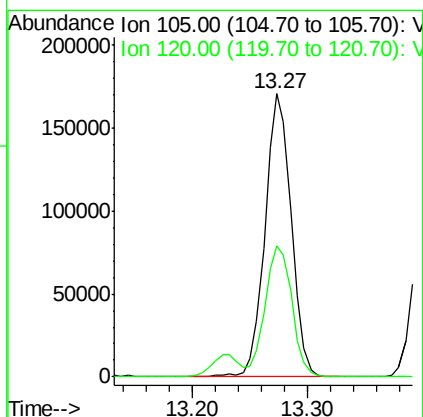
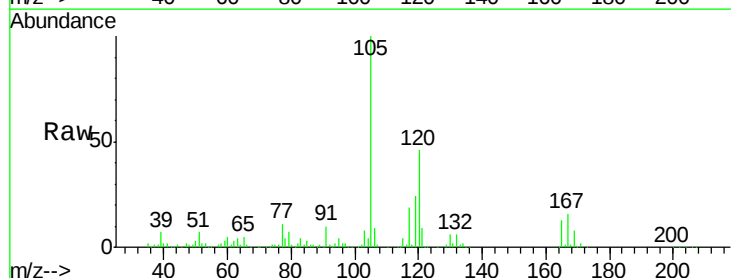
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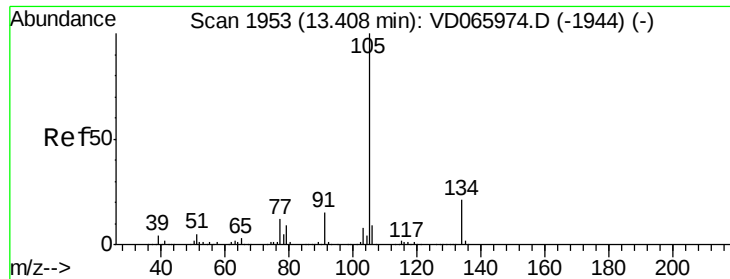
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#84
1,2,4-Trimethylbenzene
Concen: 20.939 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	269863		
120	47.7		23.9	71.8





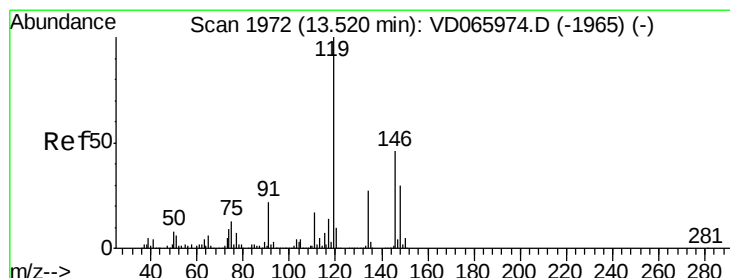
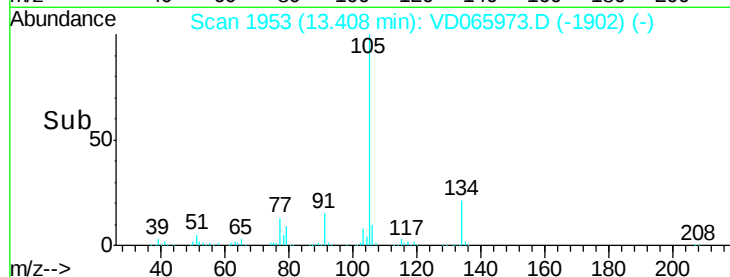
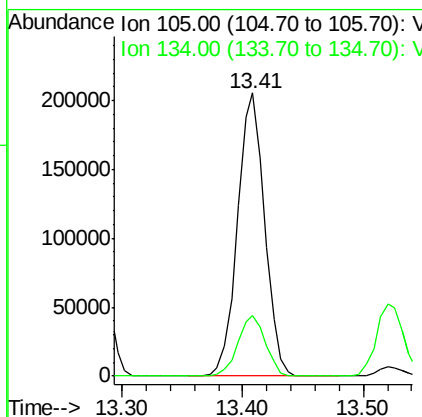
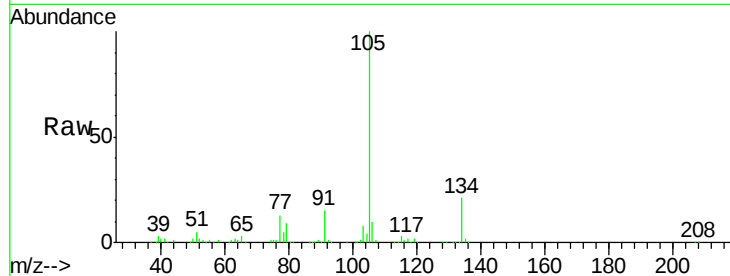
#85
 sec-Butylbenzene
 Concen: 20.399 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065973.D
 Acq: 21 Jul 2020 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.7	10.4	31.4

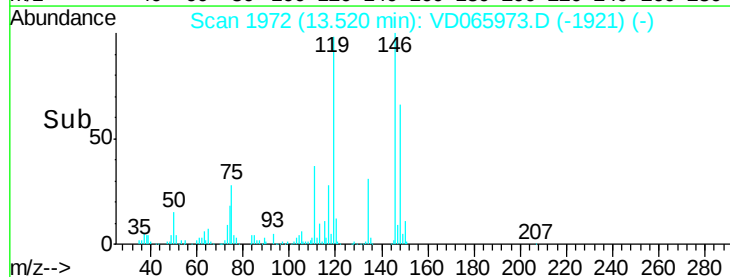
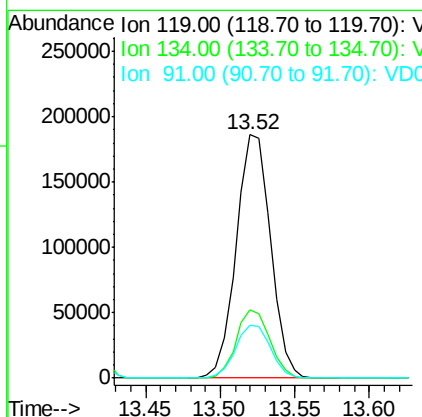
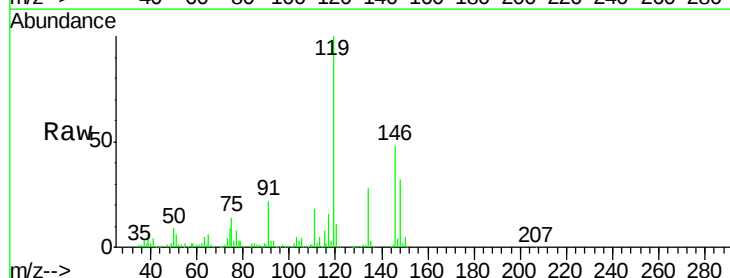
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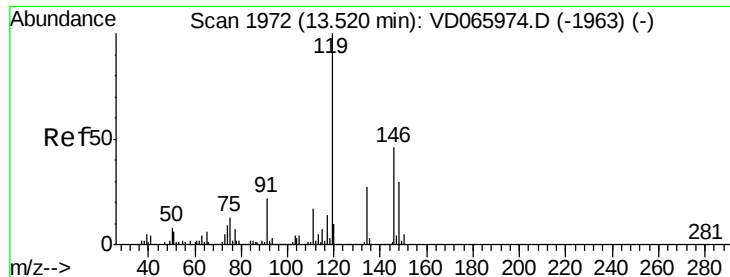
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#86
 p-Isopropyltoluene
 Concen: 20.994 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD065973.D
 Acq: 21 Jul 2020 10:49

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.6	13.4	40.2
91	22.0	11.1	33.3





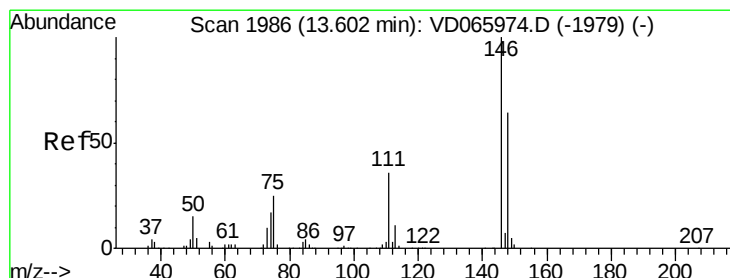
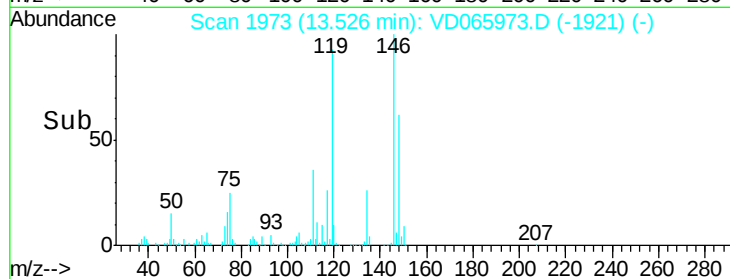
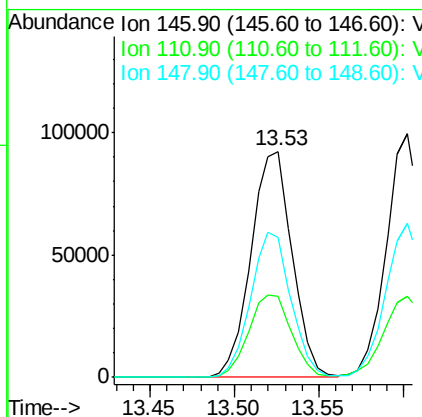
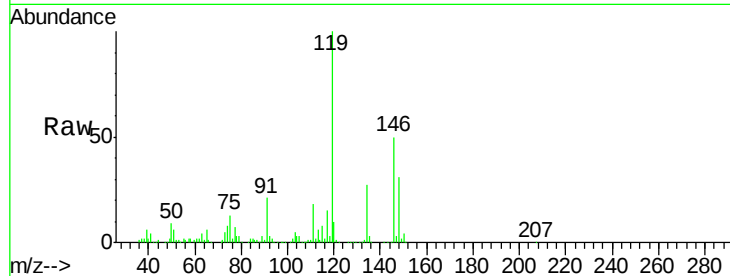
#87
 1,3-Dichlorobenzene
 Concen: 20.367 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD065973.D
 Acq: 21 Jul 2020 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.6	55.6
148	63.0	32.4	97.0

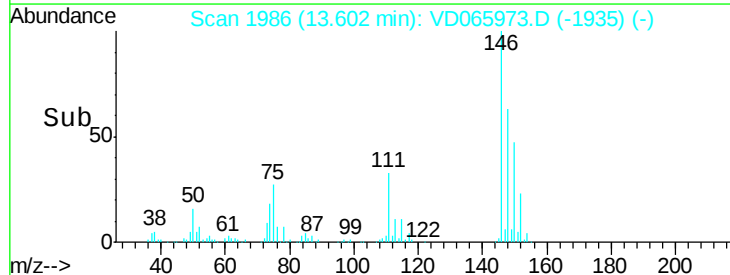
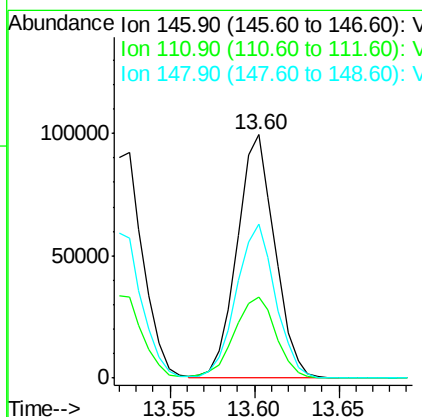
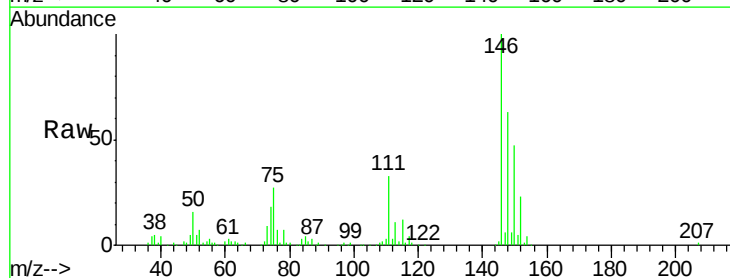
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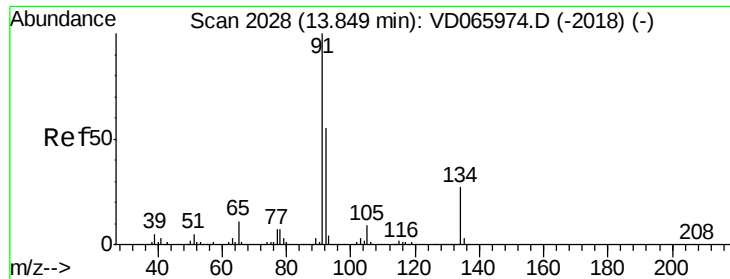
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#88
 1,4-Dichlorobenzene
 Concen: 20.127 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065973.D
 Acq: 21 Jul 2020 10:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.8	56.4
148	65.1	32.2	96.6





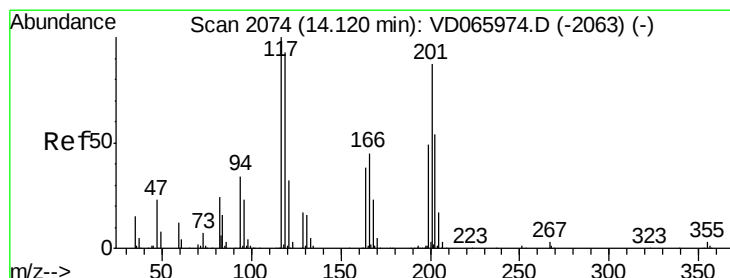
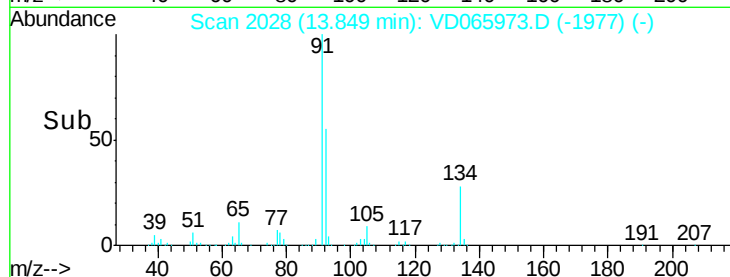
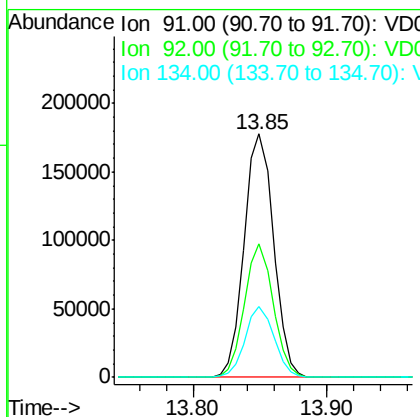
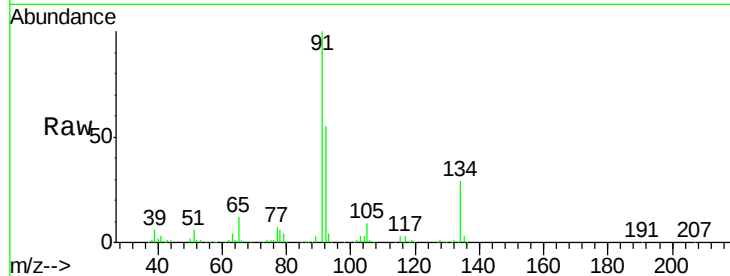
#89
n-Butylbenzene
Concen: 20.572 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		270324		
92	53.6	27.2	81.6		
134	28.5	13.8	41.4		

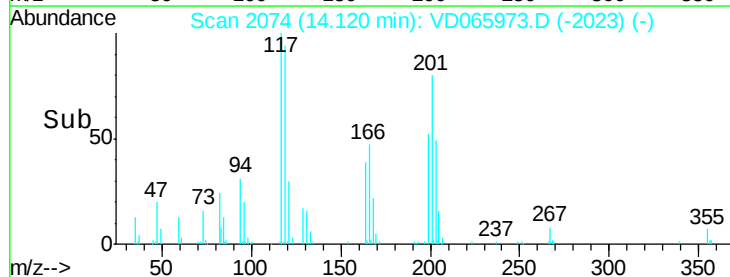
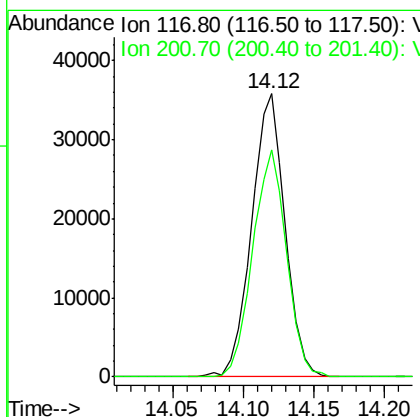
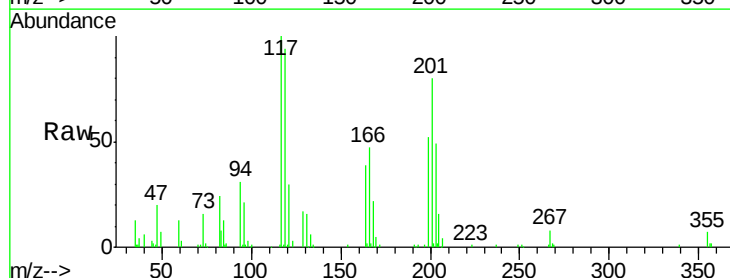
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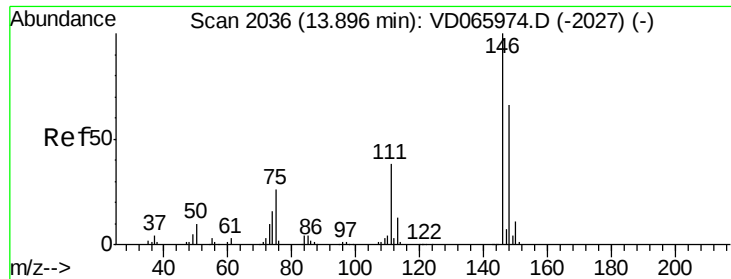
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#90
Hexachloroethane
Concen: 20.358 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065973.D
Acq: 21 Jul 2020 10:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		59370		
201	81.3	42.0	126.1		





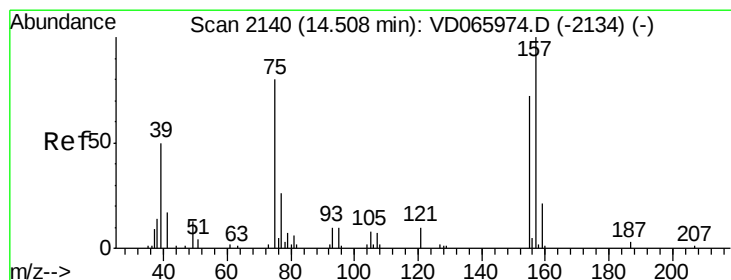
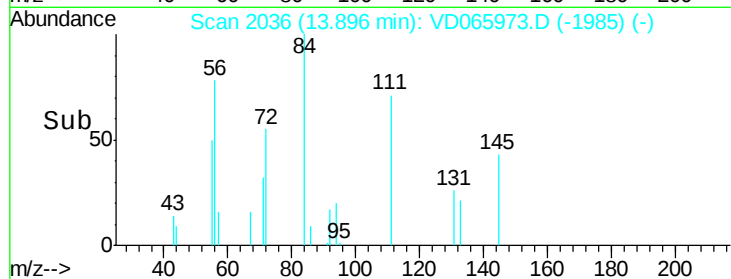
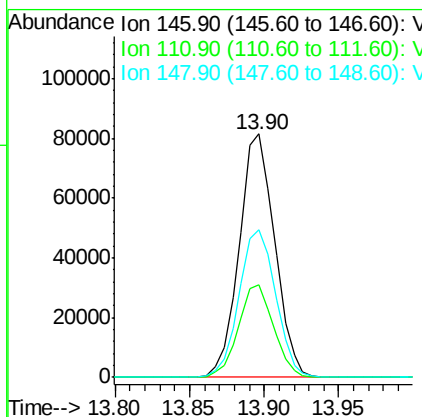
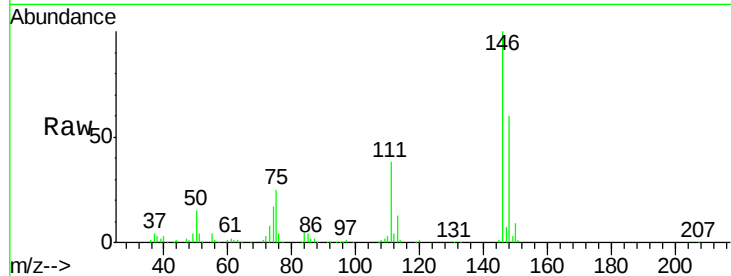
#91
 1,2-Dichlorobenzene
 Concen: 20.405 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD065973.D
 Acq: 21 Jul 2020 10:49

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.3	57.9
148	62.8	32.7	98.1

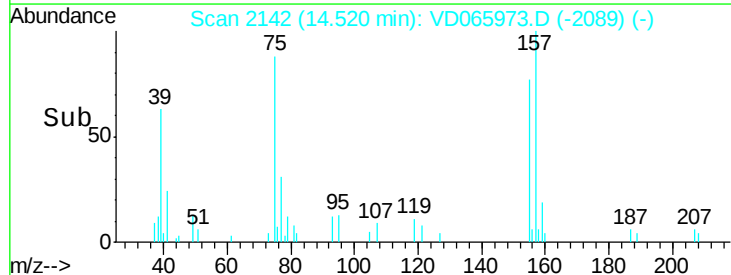
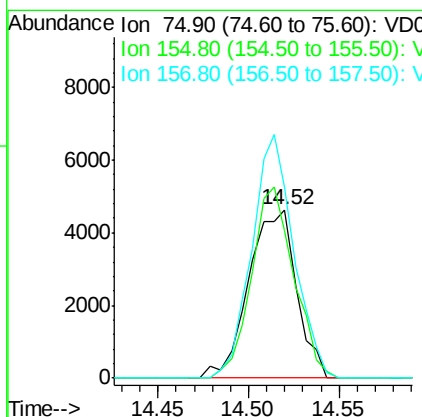
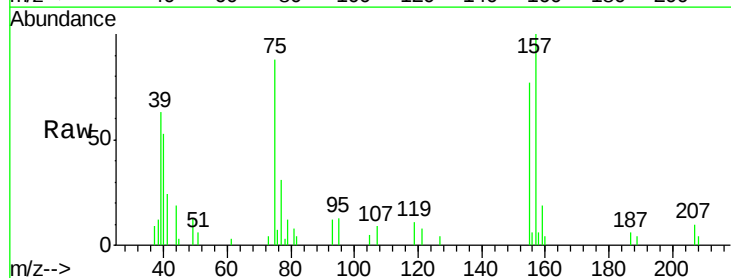
Manual Integrations
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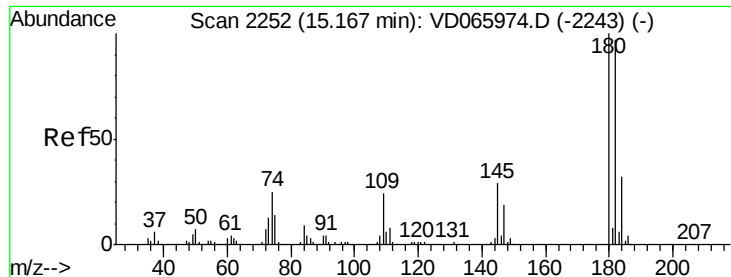
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.391 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD065973.D
 Acq: 21 Jul 2020 10:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.1	48.5	145.5
157	127.2	64.7	194.1





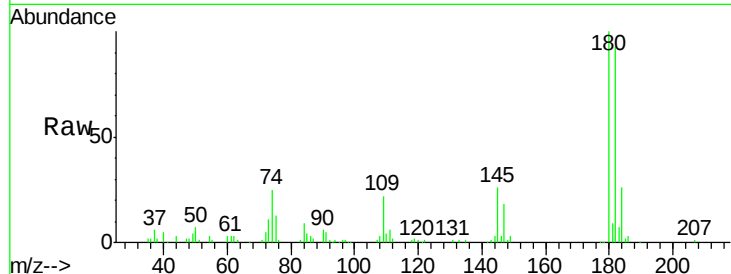
#93
 1,2,4-Trichlorobenzene
 Concen: 20.550 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD065973.D
 Acq: 21 Jul 2020 10:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

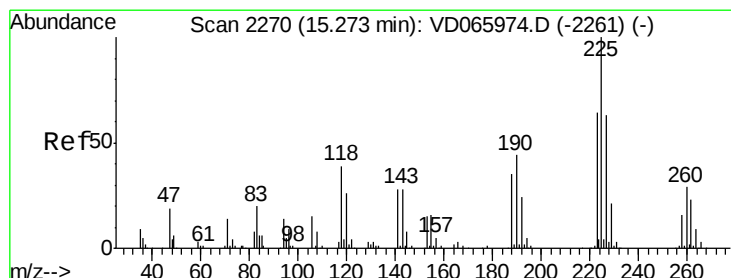
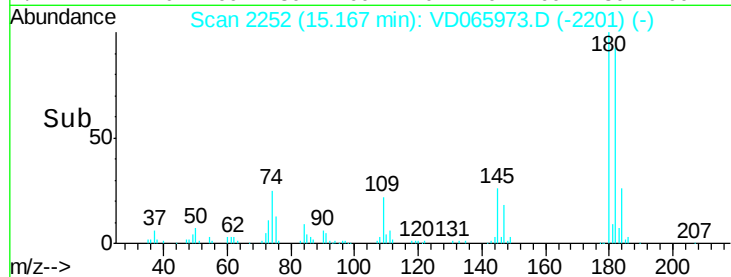
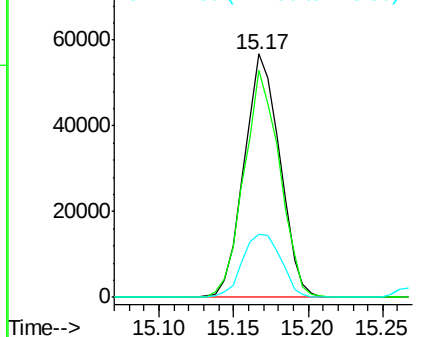
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.3	48.1	144.3
145	28.1	14.7	44.1

Manual Integrations
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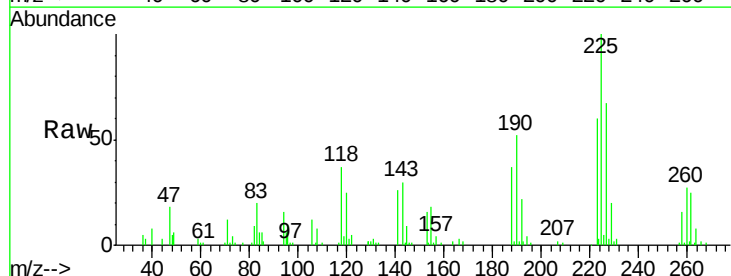


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

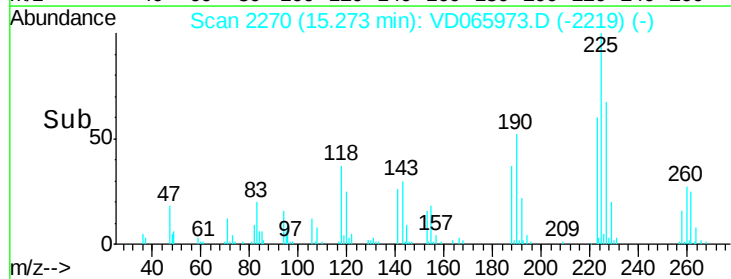
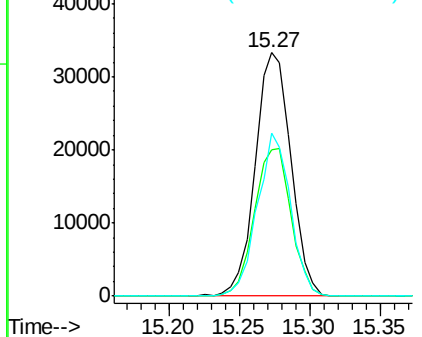


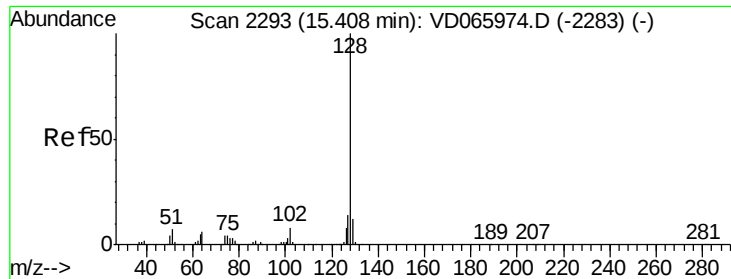
#94
 Hexachlorobutadiene
 Concen: 20.619 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD065973.D
 Acq: 21 Jul 2020 10:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.2	93.6
227	62.5	31.6	94.8



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 21.134 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Instrument :

MSVOA_D

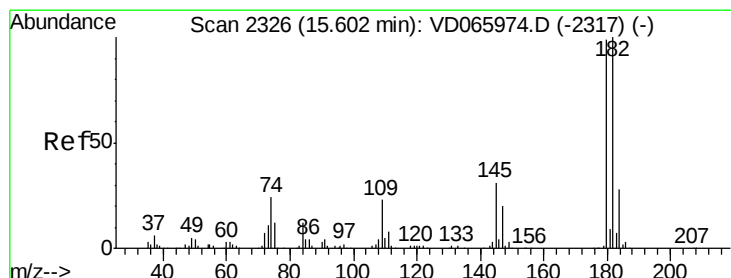
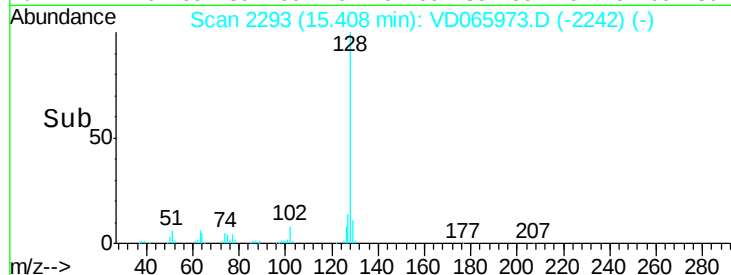
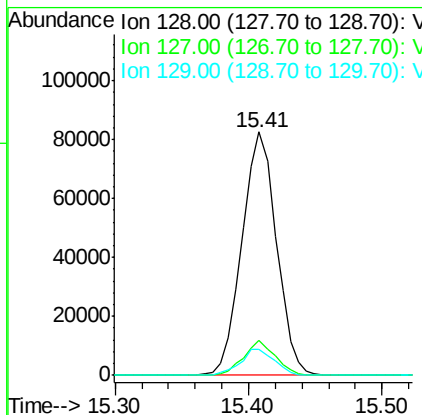
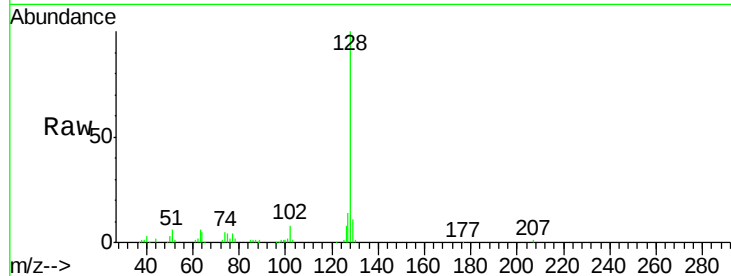
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	147599
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.8	16.2
129	10.5	8.9	13.3

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#96

1,2,3-Trichlorobenzene

Concen: 20.371 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD065973.D

Acq: 21 Jul 2020 10:49

Tgt Ion:	180	Resp:	81540
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.9	143.6
145	30.9	15.4	46.2

