

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042220\
 Data File : VD065663.D
 Acq On : 22 Apr 2020 13:14
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 4/23/2020 1:31:35 PM

Quant Time: Apr 23 03:56:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042220S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 03:53:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	227994	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	333409	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	307938	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	157168	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	10938	5.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.94%	
35) Dibromofluoromethane	7.92	113	11537	5.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.04%	
50) Toluene-d8	10.34	98	37792	4.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.30%	
62) 4-Bromofluorobenzene	12.64	95	12319	4.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	8017	4.371	ug/l	98
3) Chloromethane	2.21	50	9991	4.884	ug/l	99
4) Vinyl Chloride	2.35	62	11208	4.845	ug/l	94
5) Bromomethane	2.77	94	7492	5.225	ug/l	95
6) Chloroethane	2.92	64	7068	4.921	ug/l #	84
7) Trichlorofluoromethane	3.27	101	17364	5.136	ug/l	95
8) Diethyl Ether	3.70	74	4839	5.964	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	11375	6.249	ug/l	96
10) Methyl Iodide	4.29	142	9078	4.978	ug/l	95
11) Tert butyl alcohol	5.24	59	3046	28.726	ug/l #	74
12) 1,1-Dichloroethene	4.06	96	10041	6.146	ug/l	88
13) Acrolein	3.91	56	3492	29.710	ug/l	96
14) Allyl chloride	4.70	41	15189	5.469	ug/l	93
15) Acrylonitrile	5.43	53	10518	25.536	ug/l	99
16) Acetone	4.16	43	11447	33.932	ug/l	96
17) Carbon Disulfide	4.40	76	34530	5.971	ug/l	100
18) Methyl Acetate	4.71	43	6036	5.590	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	17192	4.571	ug/l	99
20) Methylene Chloride	4.96	84	18523	8.106	ug/l	97
21) trans-1,2-Dichloroethene	5.46	96	10804	5.164	ug/l	95
22) Diisopropyl ether	6.37	45	25612	4.541	ug/l #	95
23) Vinyl Acetate	6.31	43	65996	20.943	ug/l	98
24) 1,1-Dichloroethane	6.26	63	20024	5.528	ug/l	98
25) 2-Butanone	7.21	43	12602	23.731	ug/l #	85
26) 2,2-Dichloropropane	7.21	77	17604	5.295	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	11032	4.829	ug/l	91
28) Bromochloromethane	7.54	49	7686	4.986	ug/l #	99
29) Tetrahydrofuran	7.57	42	7144	21.140	ug/l	97
30) Chloroform	7.71	83	19928	5.091	ug/l	93
31) Cyclohexane	7.98	56	19988	5.544	ug/l #	80
32) 1,1,1-Trichloroethane	7.91	97	18139	5.115	ug/l	99
36) 1,1-Dichloropropene	8.11	75	15426	4.833	ug/l	98
37) Ethyl Acetate	7.30	43	6111	4.632	ug/l #	85
38) Carbon Tetrachloride	8.09	117	18296	5.260	ug/l	96

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 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC005

Manual Integrations
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Quant Time: Apr 23 03:56:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042220S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 03:53:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	16003	4.360	ug/l	92
40) Benzene	8.35	78	44107	4.887	ug/l	95
41) Methacrylonitrile	7.53	41	3158	4.860	ug/l	94
42) 1,2-Dichloroethane	8.43	62	12317	4.715	ug/l	95
43) Isopropyl Acetate	8.45	43	10079	4.244	ug/l	96
44) Trichloroethene	9.11	130	13104	5.119	ug/l	96
45) 1,2-Dichloropropane	9.38	63	10484	4.718	ug/l	91
46) Dibromomethane	9.48	93	5499	4.580	ug/l	99
47) Bromodichloromethane	9.67	83	15399	4.769	ug/l #	99
48) Methyl methacrylate	9.46	41	4910	4.305	ug/l	90
49) 1,4-Dioxane	9.46	88	1071	78.041	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	23935	18.596	ug/l	98
52) Toluene	10.40	92	25698	4.314	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	12504	4.220	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	15408	4.327	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	8140	4.626	ug/l	98
56) Ethyl methacrylate	10.67	69	5940	3.168	ug/l	92
57) 1,3-Dichloropropane	10.95	76	12895	4.367	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	17718	18.186	ug/l	100
59) 2-Hexanone	10.99	43	16797	19.445	ug/l	89
60) Dibromochloromethane	11.14	129	10468	4.534	ug/l	98
61) 1,2-Dibromoethane	11.25	107	7474	4.499	ug/l	95
64) Tetrachloroethene	10.88	164	11622	5.382	ug/l	93
65) Chlorobenzene	11.67	112	30362	5.033	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	12063	5.297	ug/l	95
67) Ethyl Benzene	11.75	91	44754	4.406	ug/l	100
68) m/p-Xylenes	11.86	106	35267	8.881	ug/l	98
69) o-Xylene	12.18	106	14600	4.298	ug/l	99
70) Styrene	12.20	104	24921	4.076	ug/l	99
71) Bromoform	12.37	173	6623	4.976	ug/l #	99
73) Isopropylbenzene	12.48	105	37665	4.067	ug/l	99
74) N-amyl acetate	12.29	43	7994	3.916	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	8370	4.812	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	5190m	4.281	ug/l	
77) Bromobenzene	12.77	156	11880	4.829	ug/l	96
78) n-propylbenzene	12.83	91	48529	4.363	ug/l	98
79) 2-Chlorotoluene	12.91	91	28640	4.536	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	32015	4.116	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	2390	4.121	ug/l	92
82) 4-Chlorotoluene	13.01	91	30954	4.556	ug/l	100
83) tert-Butylbenzene	13.23	119	28010	4.322	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	31838	4.099	ug/l	99
85) sec-Butylbenzene	13.41	105	40164	4.310	ug/l	100
86) p-Isopropyltoluene	13.53	119	35160	4.099	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	23384	4.894	ug/l	96
88) 1,4-Dichlorobenzene	13.60	146	24454	5.046	ug/l	92
89) n-Butylbenzene	13.86	91	34866	4.505	ug/l	97
90) Hexachloroethane	14.13	117	9715	5.282	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	20143	4.862	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	1256	4.614	ug/l	85

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Sample : VSTDICC005
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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4/23/2020 1:31:35 PM

Quant Time: Apr 23 03:56:12 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D042220S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 23 03:53:11 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	12982	4.614	ug/l	98
94) Hexachlorobutadiene	15.28	225	10161	5.273	ug/l	98
95) Naphthalene	15.41	128	16381	3.776	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.61	180	11393	4.560	ug/l	97

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

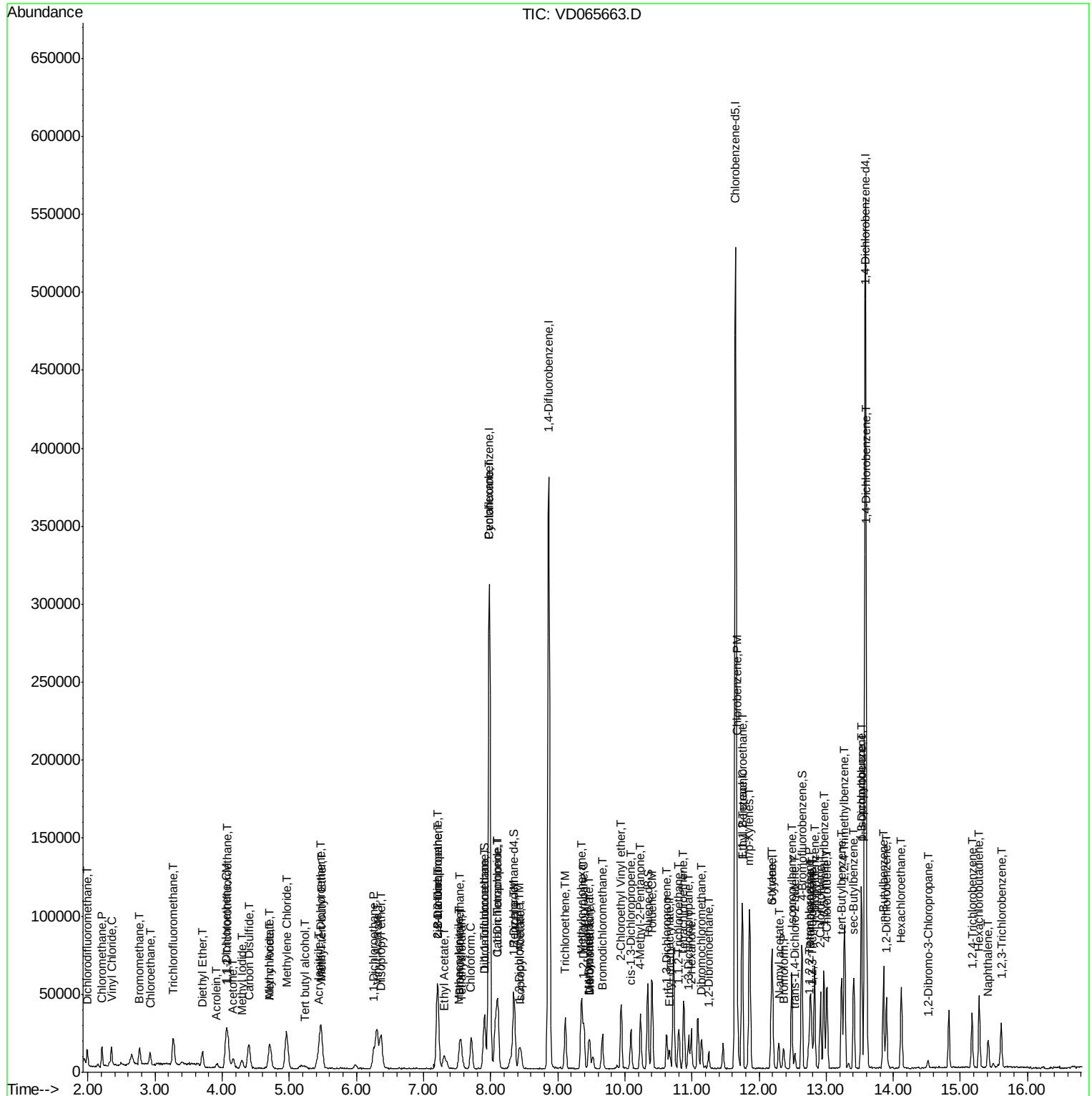
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD042220\
Data File : VD065663.D
Acq On : 22 Apr 2020 13:14
Operator : VA/SY
Sample : VSTDICC005
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 2 Sample Multiplier: 1

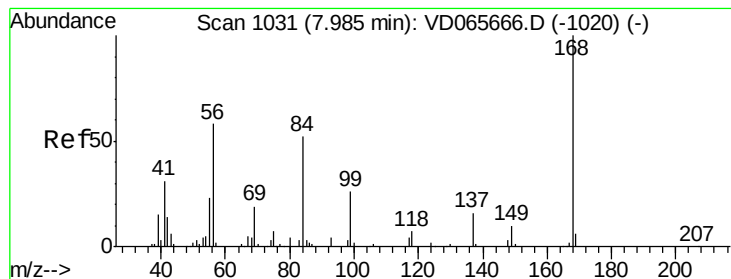
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Manual Integrations
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MMDadoda
4/23/2020 1:31:35 PM

Quant Time: Apr 23 03:56:12 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D042220S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 23 03:53:11 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 227994

Ion Ratio Lower Upper

168 100

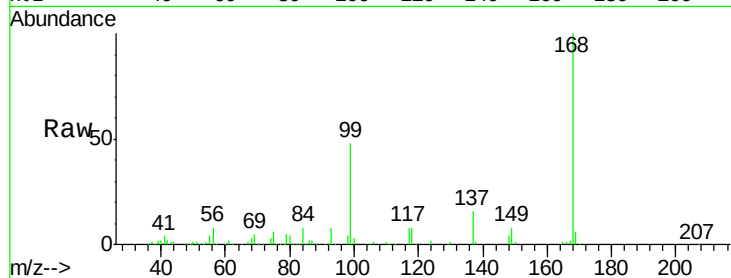
99 48.1 39.0 58.6

Manual Integrations

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4/23/2020 1:31:35 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

100000

80000

60000

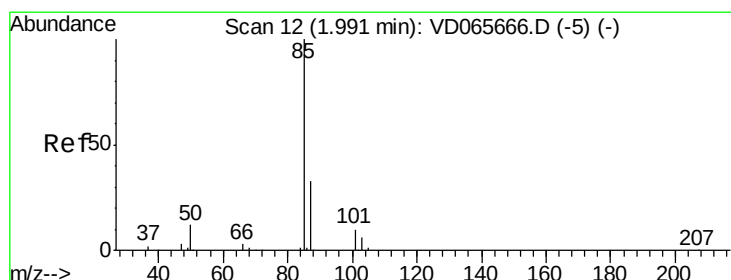
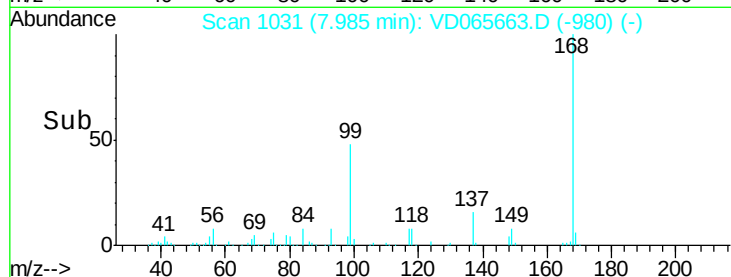
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 4.371 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD065663.D

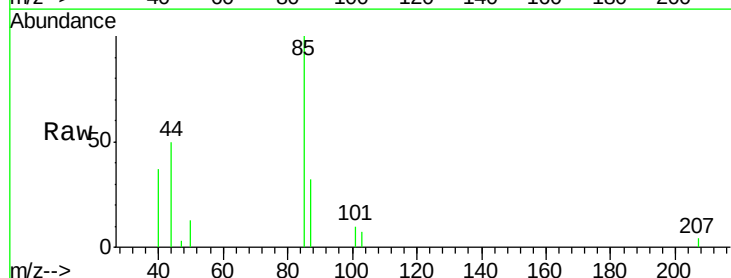
Acq: 22 Apr 2020 13:14

Tgt Ion: 85 Resp: 8017

Ion Ratio Lower Upper

85 100

87 31.9 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

6000

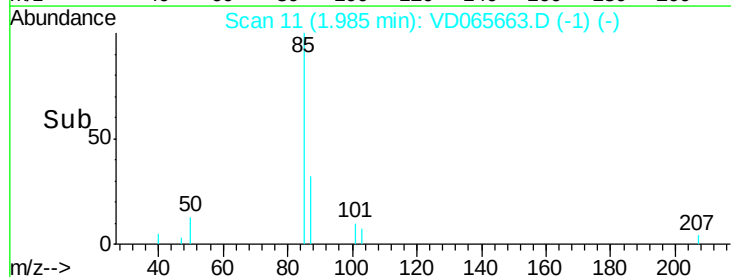
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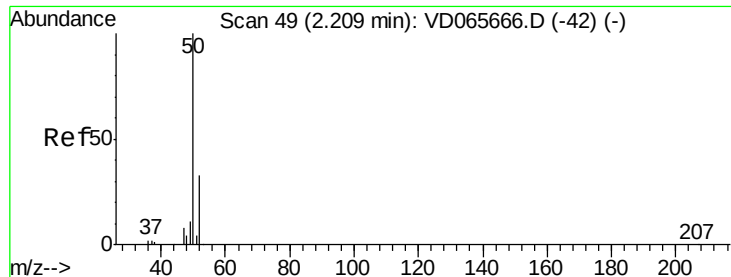
2000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 4.884 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 9991

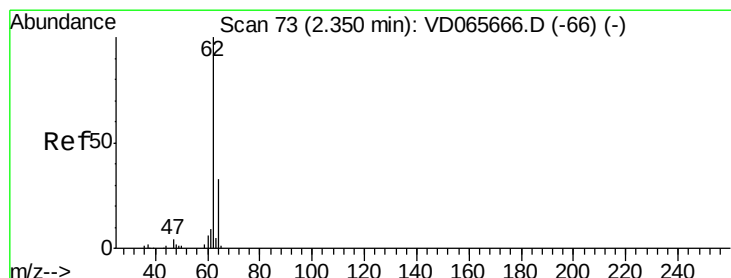
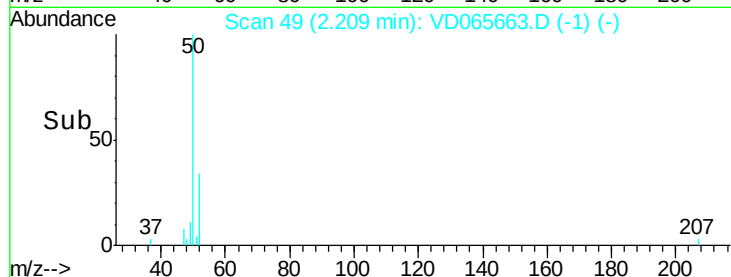
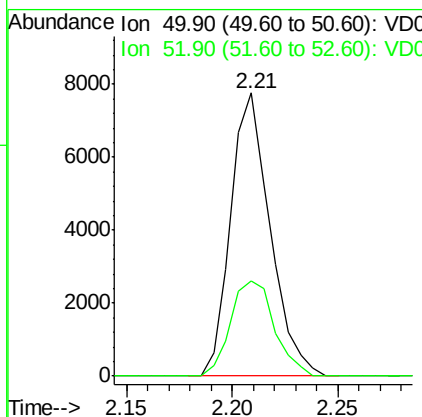
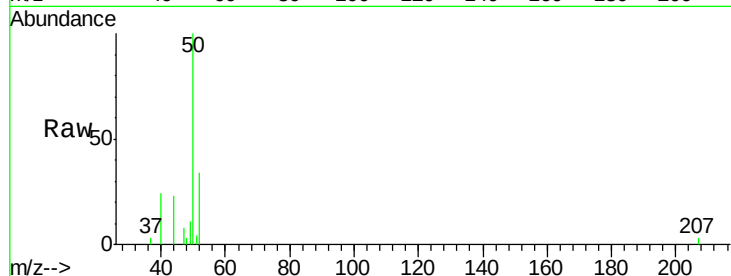
Ion Ratio Lower Upper

50 100

52 33.8 26.6 39.8

Manual Integrations
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#4

Vinyl Chloride

Concen: 4.845 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065663.D

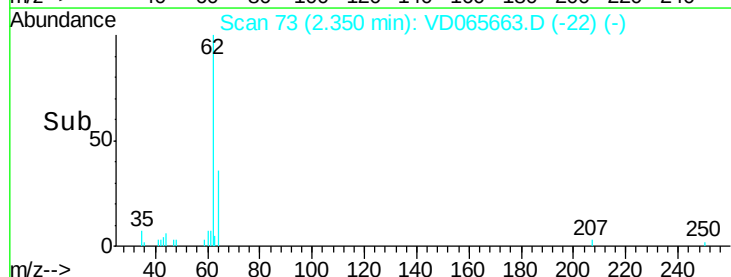
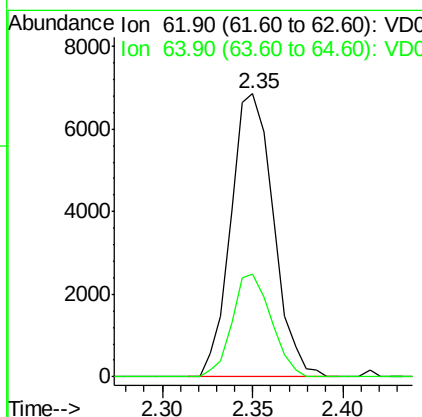
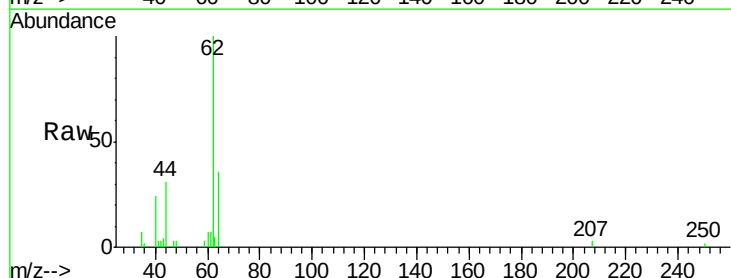
Acq: 22 Apr 2020 13:14

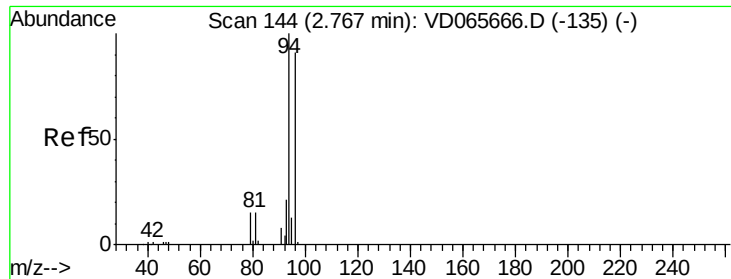
Tgt Ion: 62 Resp: 11208

Ion Ratio Lower Upper

62 100

64 36.4 26.4 39.6





#5

Bromomethane

Concen: 5.225 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 7492

Ion Ratio Lower Upper

94 100

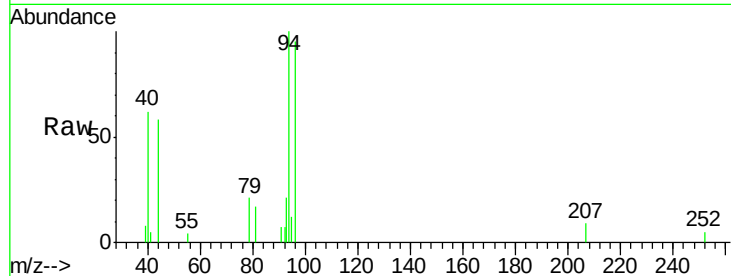
96 95.0 72.4 108.6

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

4000

3000

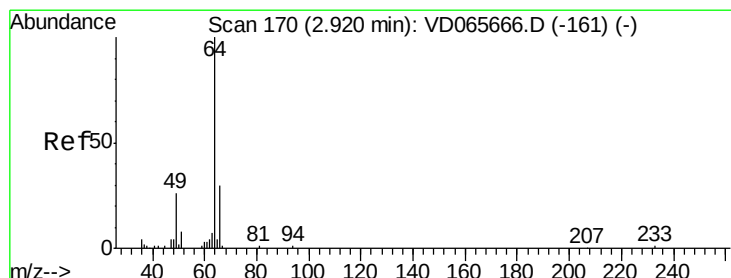
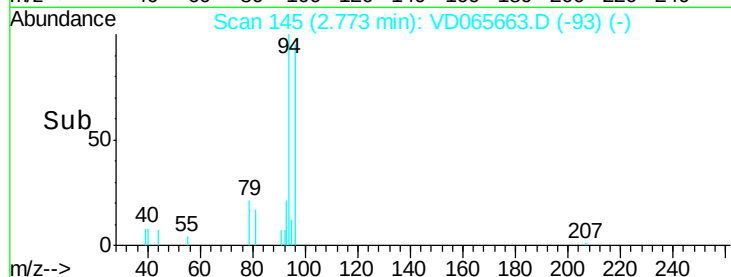
2000

1000

0

2.70 2.75 2.80 2.85

Time-->



#6

Chloroethane

Concen: 4.921 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD065663.D

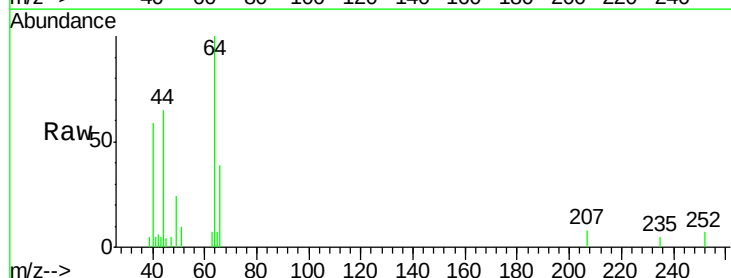
Acq: 22 Apr 2020 13:14

Tgt Ion: 64 Resp: 7068

Ion Ratio Lower Upper

64 100

66 39.1 24.2 36.4#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

4000

3000

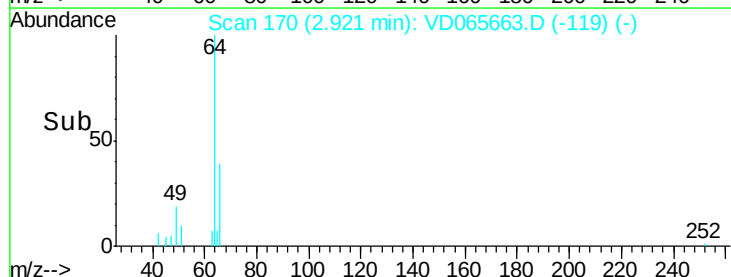
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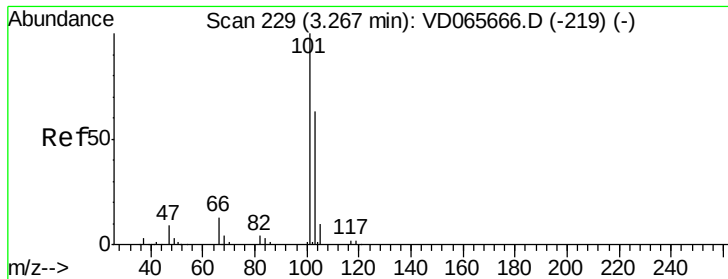
1000

0

2.85 2.90 2.95

Time-->





#7

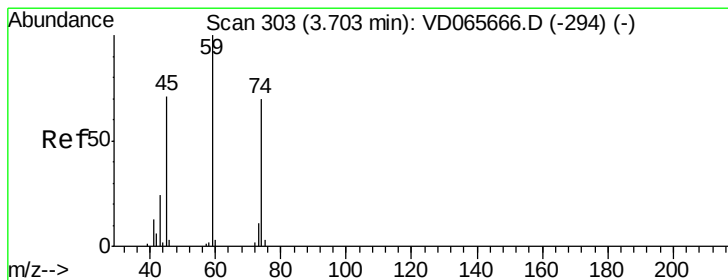
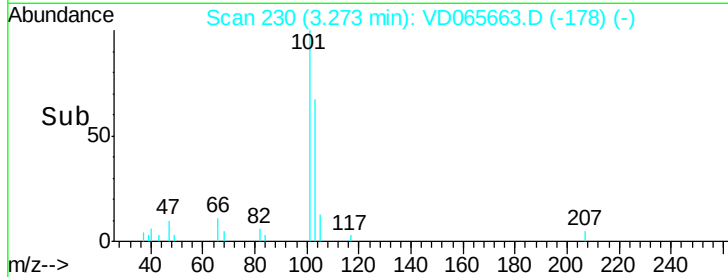
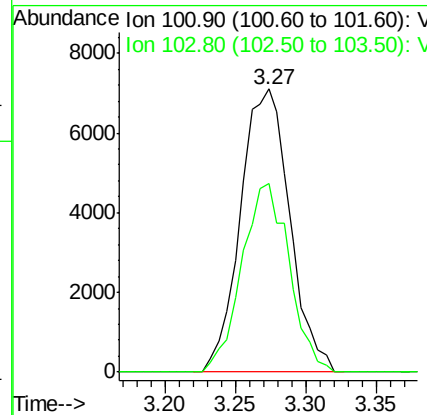
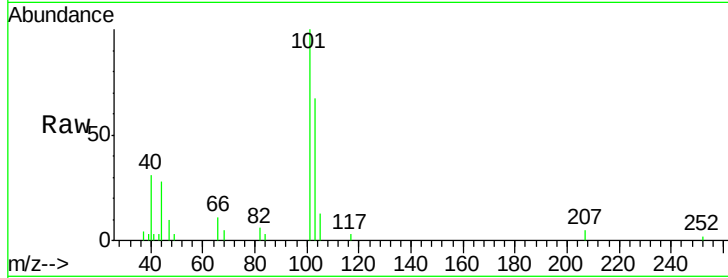
Trichlorofluoromethane
 Concen: 5.136 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD065663.D
 Acq: 22 Apr 2020 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.6	50.2	75.2

Manual Integrations
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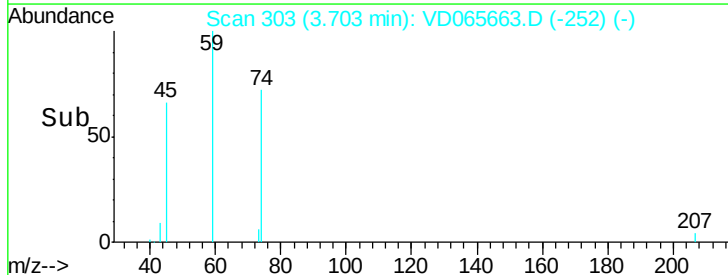
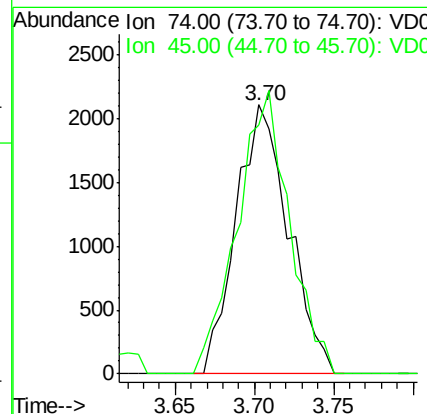
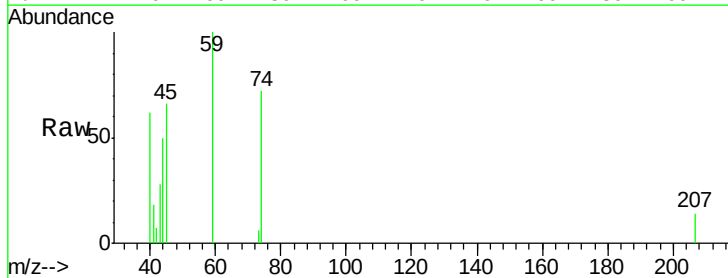
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 4/23/2020 1:31:35 PM

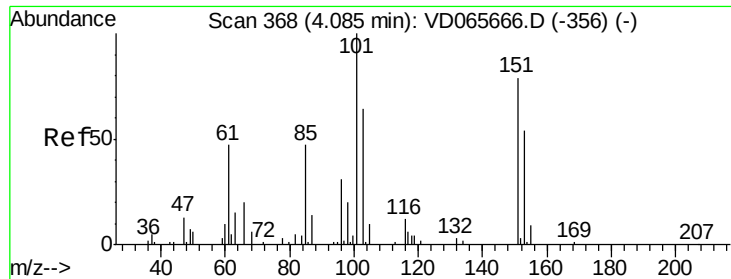


#8

Diethyl Ether
 Concen: 5.964 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. 0.00 min
 Lab File: VD065663.D
 Acq: 22 Apr 2020 13:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.0	51.0	153.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.249 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:14

Instrument :

MSVOA_D

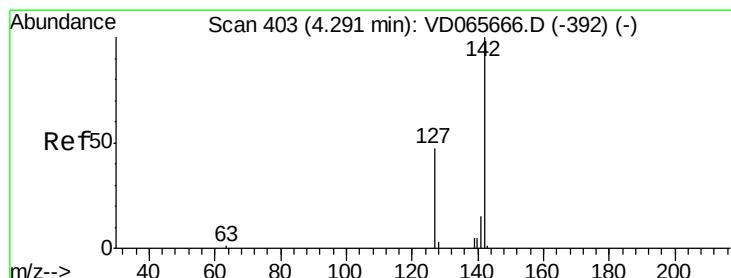
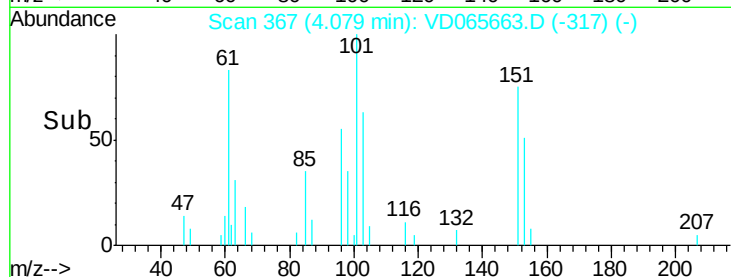
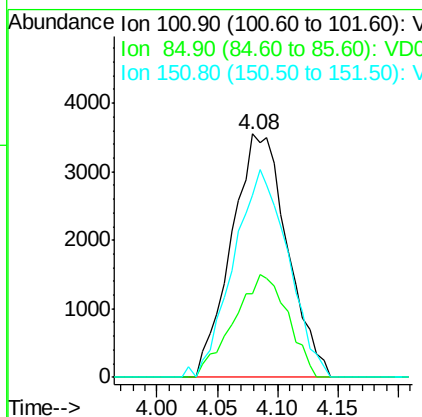
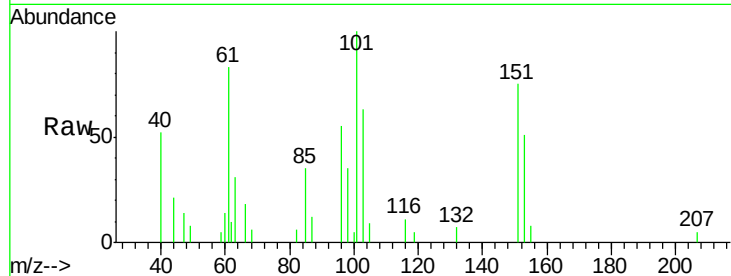
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	11375
Ion Ratio	Lower	Upper	
101	100		
85	40.8	35.6	53.4
151	83.8	65.4	98.0

Manual Integrations
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#10

Methyl Iodide

Concen: 4.978 ug/l

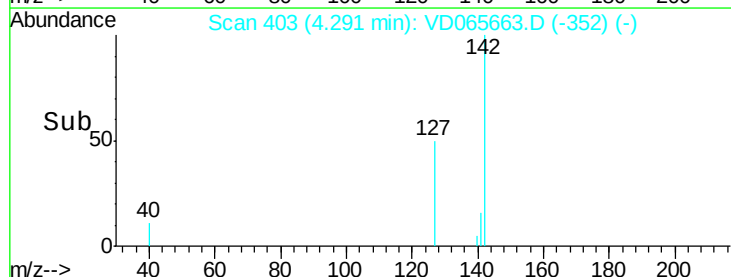
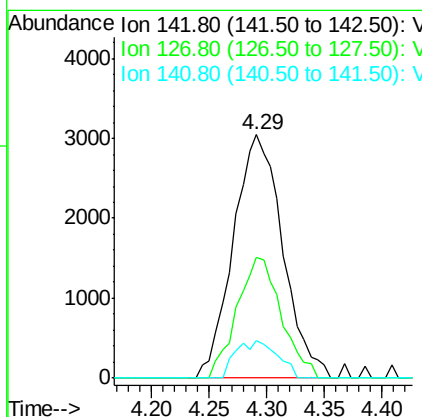
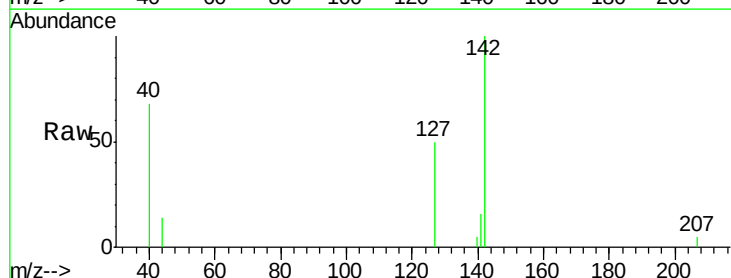
RT: 4.29 min Scan# 403

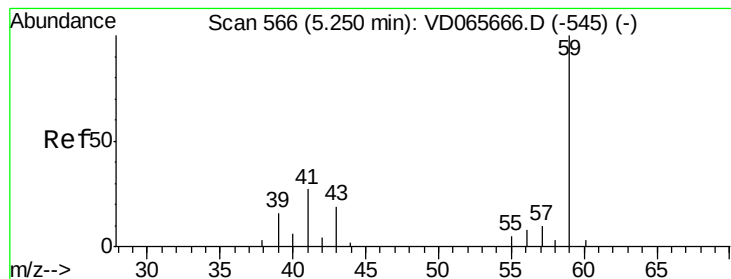
Delta R.T. 0.00 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:14

Tgt Ion:	142	Resp:	9078
Ion Ratio	Lower	Upper	
142	100		
127	44.3	38.2	57.2
141	13.0	12.1	18.1





#11

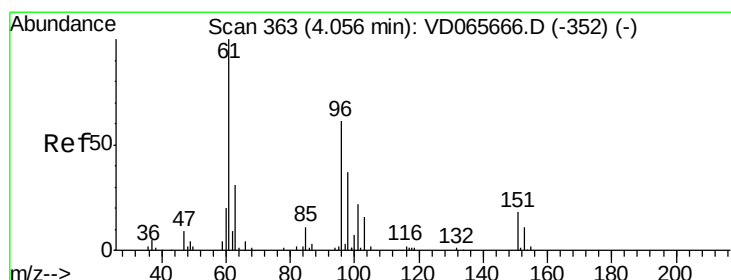
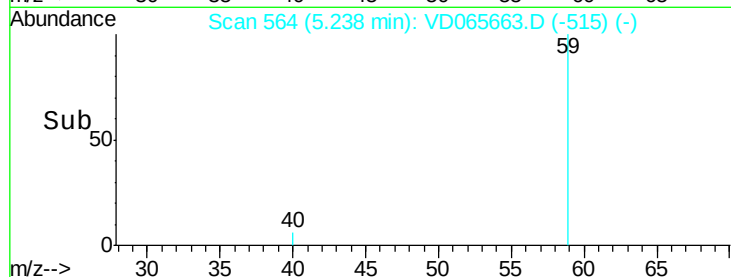
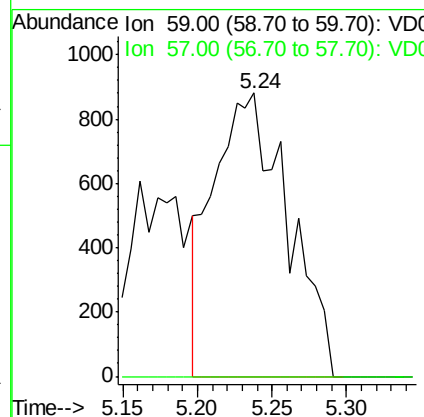
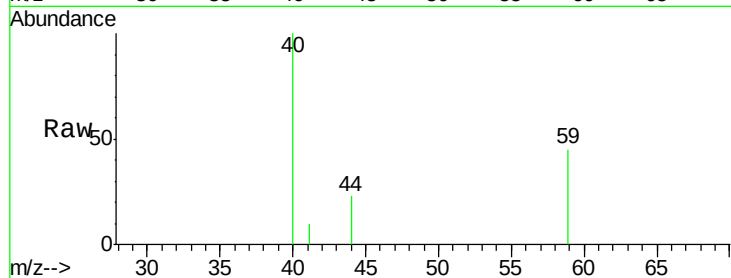
Tert butyl alcohol
 Concen: 28.726 ug/l
 RT: 5.24 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VD065663.D
 Acq: 22 Apr 2020 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.5	11.3#

Manual Integrations
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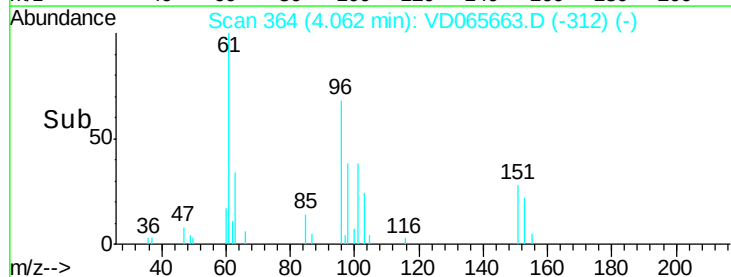
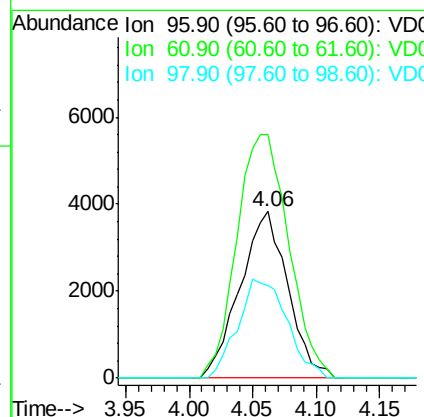
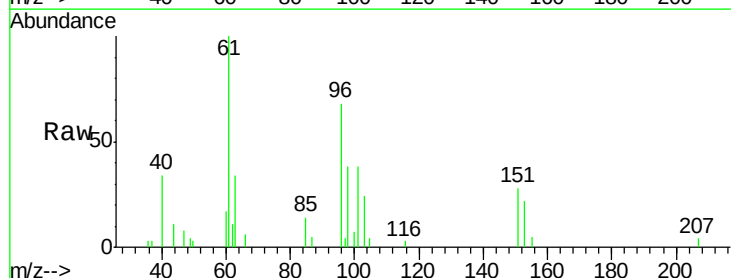
MMDadoda
 4/23/2020 1:31:35 PM

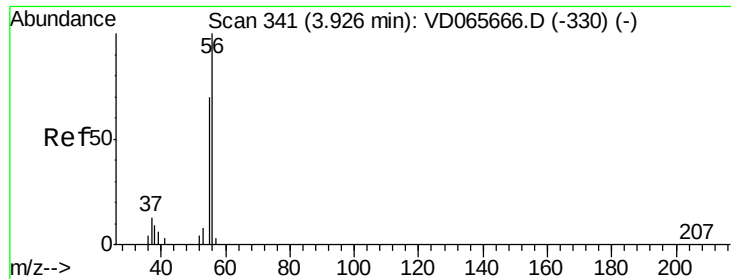


#12

1,1-Dichloroethene
 Concen: 6.146 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VD065663.D
 Acq: 22 Apr 2020 13:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.4	131.8	197.6
98	55.8	48.2	72.4





#13

Acrolein

Concen: 29.710 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 3492

Ion Ratio Lower Upper

56 100

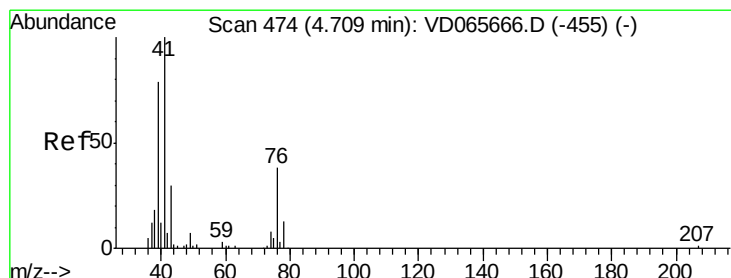
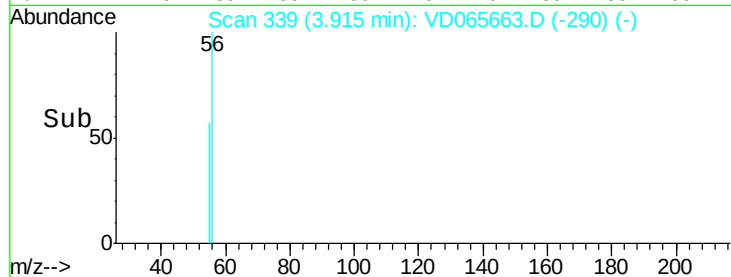
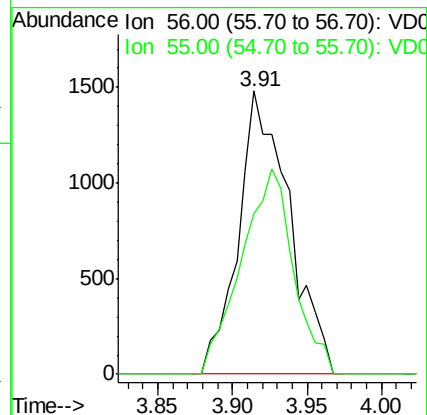
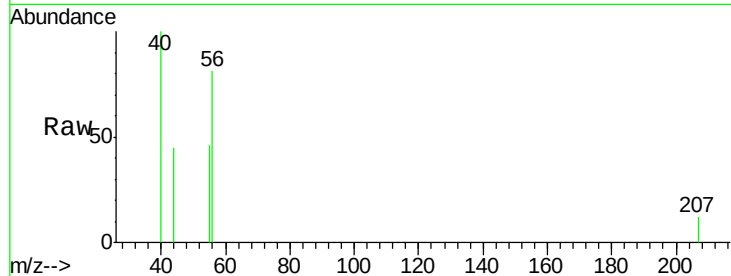
55 74.5 57.3 85.9

Manual Integrations

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#14

Allyl chloride

Concen: 5.469 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:14

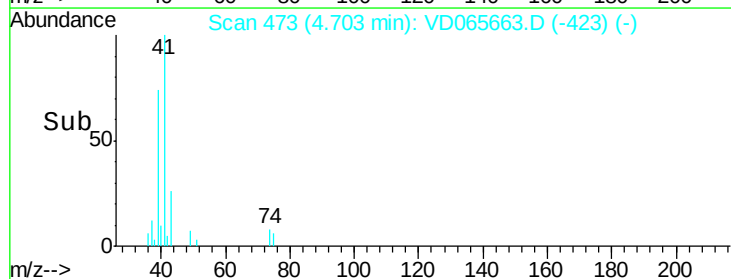
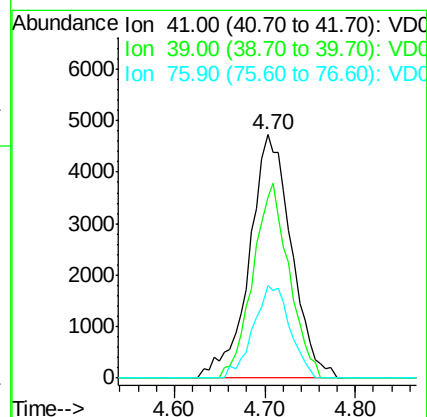
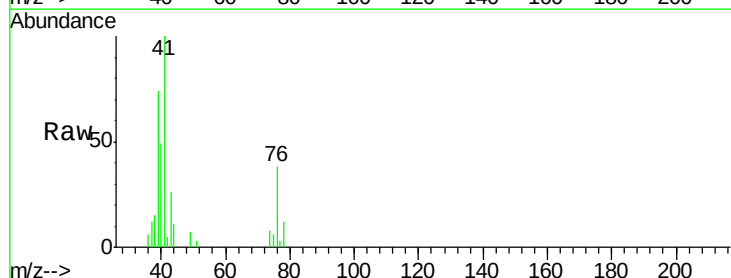
Tgt Ion: 41 Resp: 15189

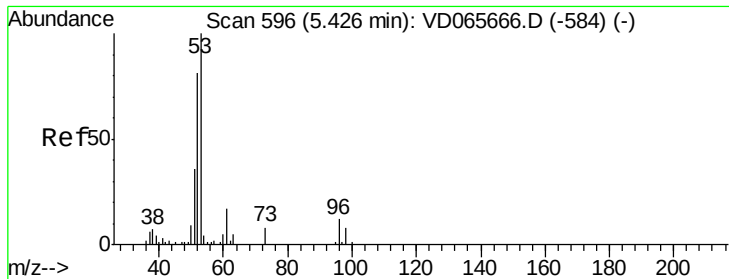
Ion Ratio Lower Upper

41 100

39 68.9 60.7 91.1

76 33.1 29.3 43.9





#15

Acrylonitrile

Concen: 25.536 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:14

Instrument :

MSVOA_D

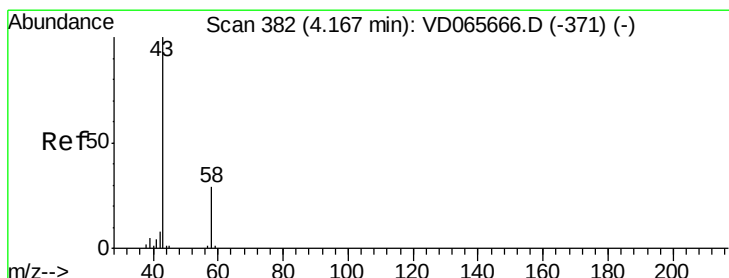
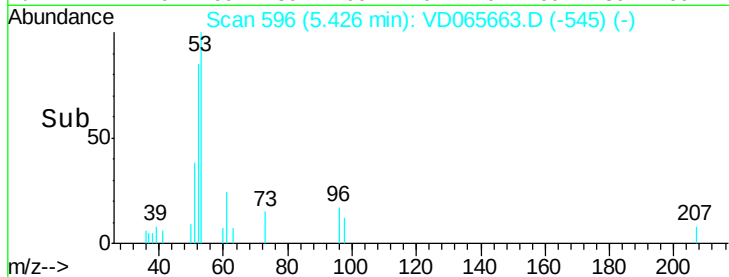
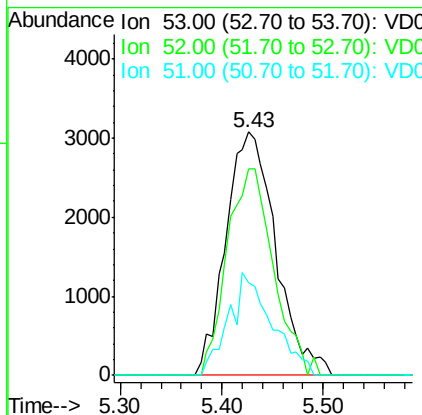
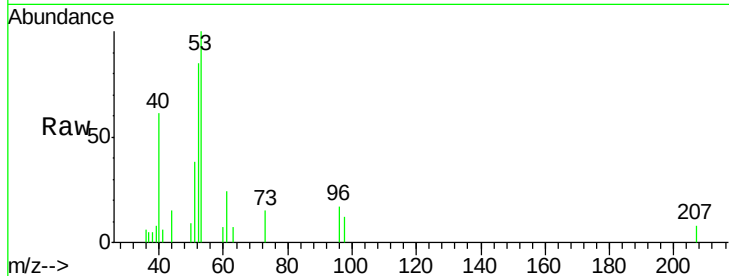
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	10518
Ion	Ratio	Lower	Upper
53	100		
52	78.6	64.2	96.2
51	36.5	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 33.932 ug/l

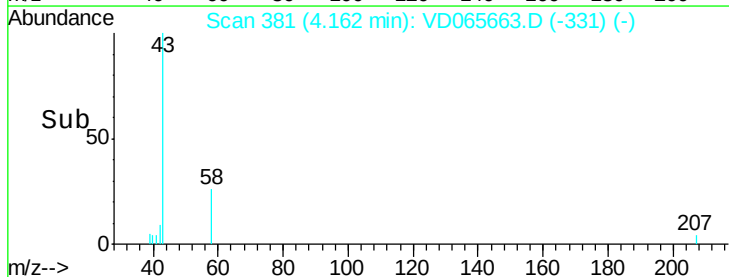
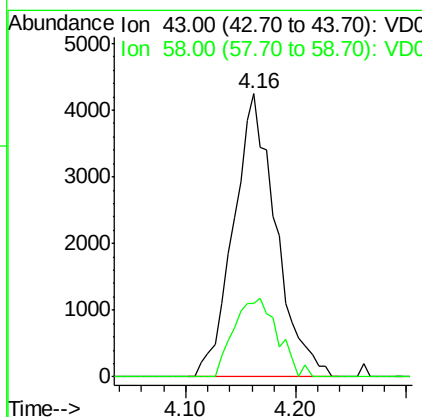
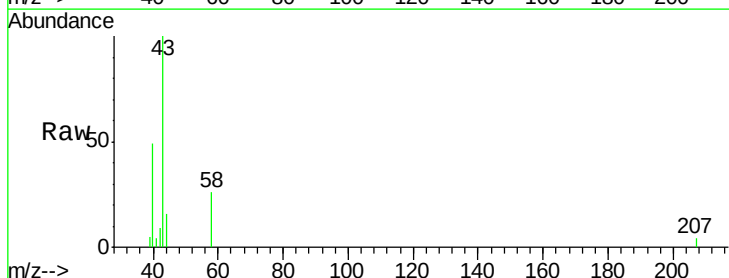
RT: 4.16 min Scan# 381

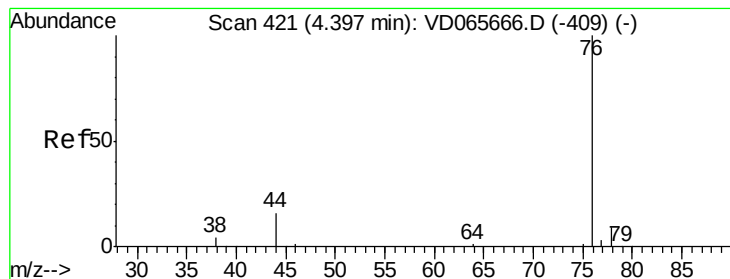
Delta R.T. -0.01 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:14

Tgt Ion:	43	Resp:	11447
Ion	Ratio	Lower	Upper
43	100		
58	26.0	22.6	34.0





#17

Carbon Disulfide

Concen: 5.971 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 34530

Ion Ratio Lower Upper

76 100

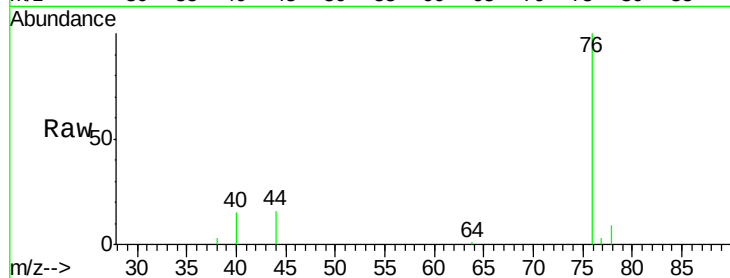
78 9.0 7.4 11.0

Manual Integrations

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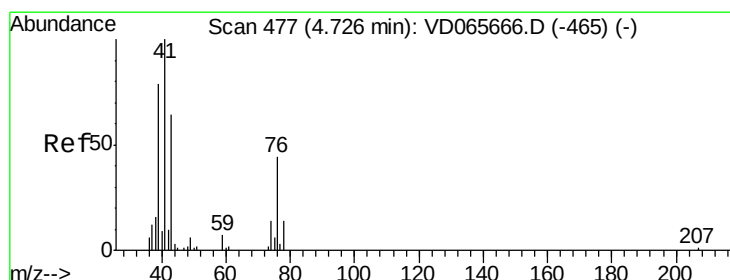
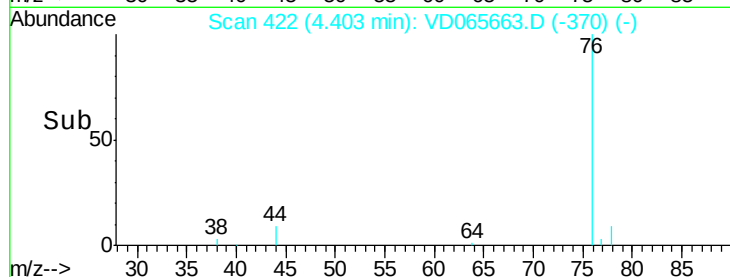
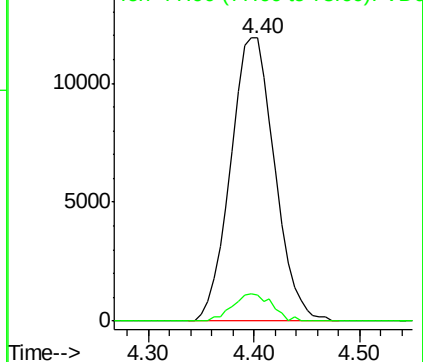
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 5.590 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD065663.D

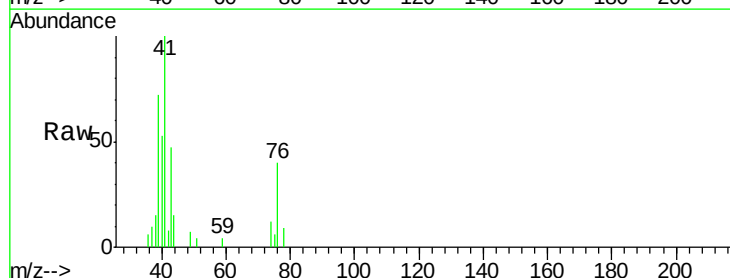
Acq: 22 Apr 2020 13:14

Tgt Ion: 43 Resp: 6036

Ion Ratio Lower Upper

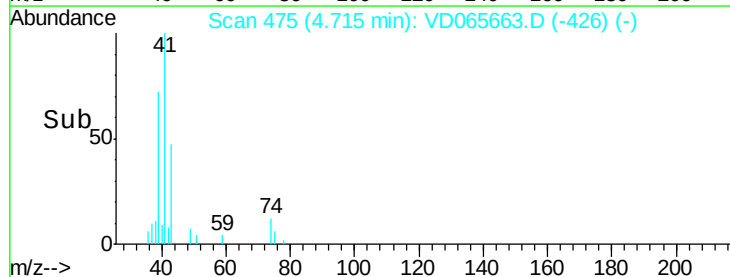
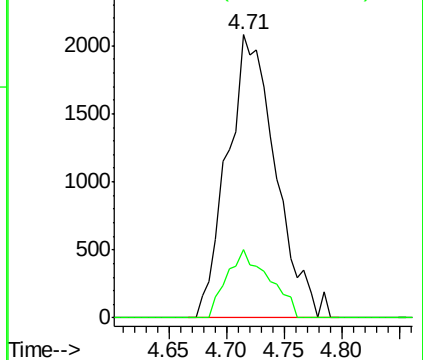
43 100

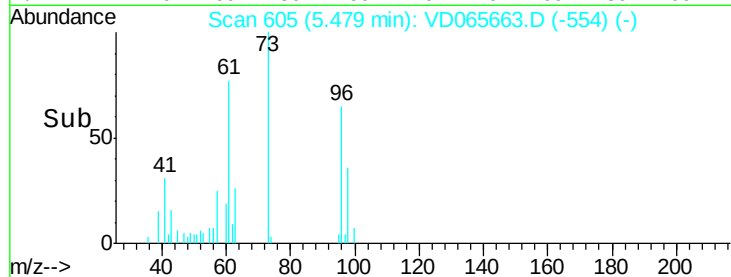
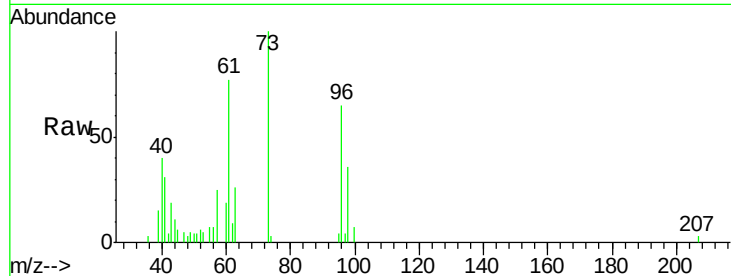
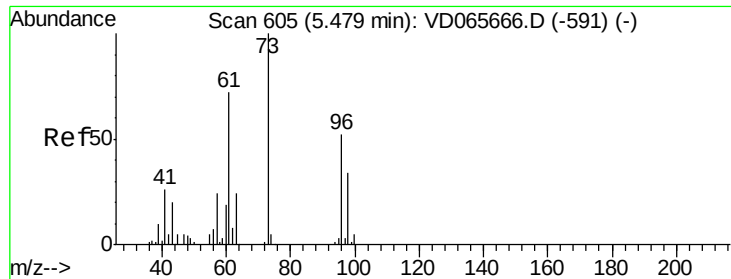
74 21.0 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





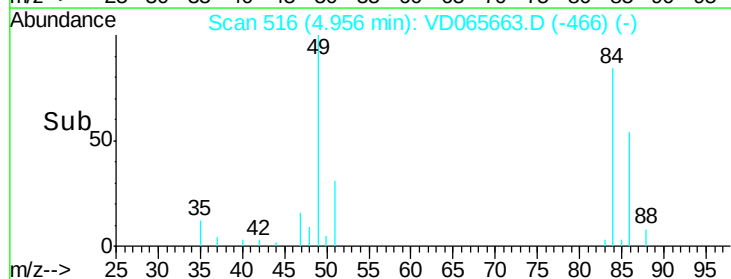
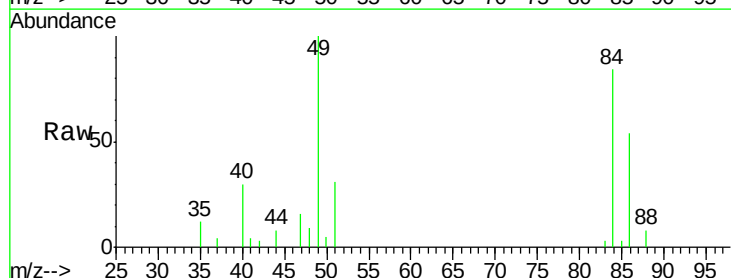
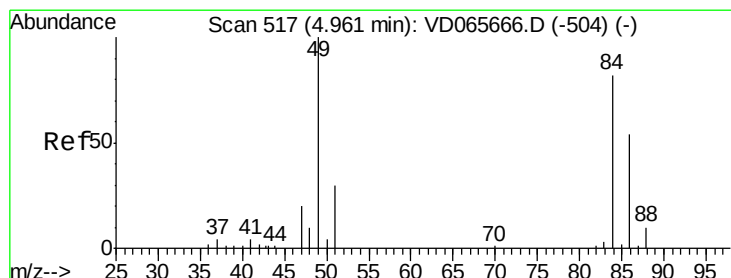
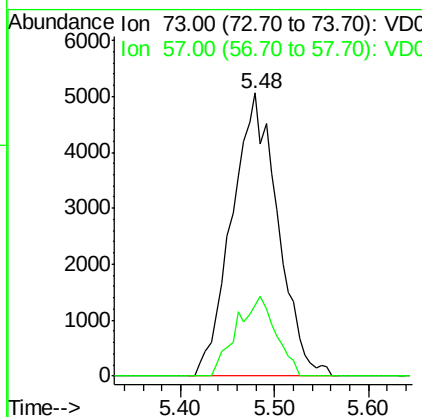
#19
Methyl tert-butyl Ether
Concen: 4.571 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:14

Tot Ion: 73 Resp: 17192
Ion Ratio Lower Upper
73 100
57 25.2 19.6 29.4

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

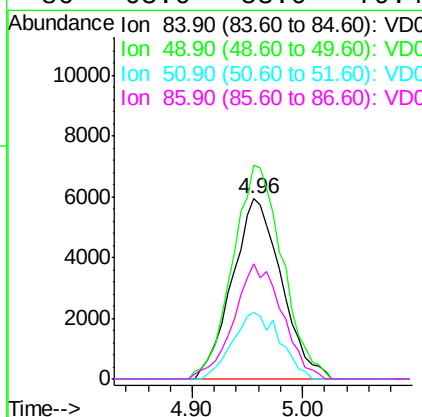
Manual Integrations
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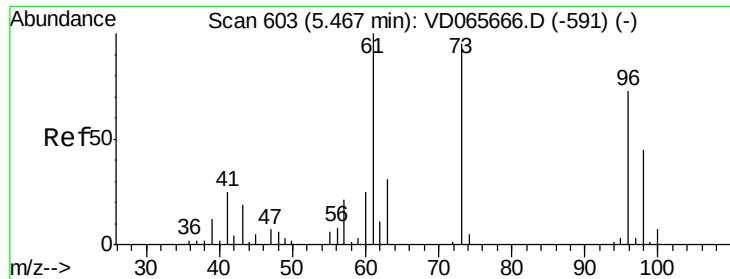
MMDadoda
4/23/2020 1:31:35 PM



#20
Methylene Chloride
Concen: 8.106 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:14

Tgt Ion: 84 Resp: 18523
Ion Ratio Lower Upper
84 100
49 118.5 97.7 146.5
51 37.3 29.4 44.2
86 63.6 53.0 79.4





#21

trans-1,2-Dichloroethene

Concen: 5.164 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:14

Instrument :

MSVOA_D

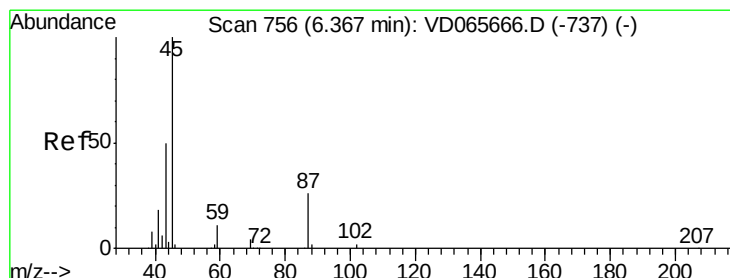
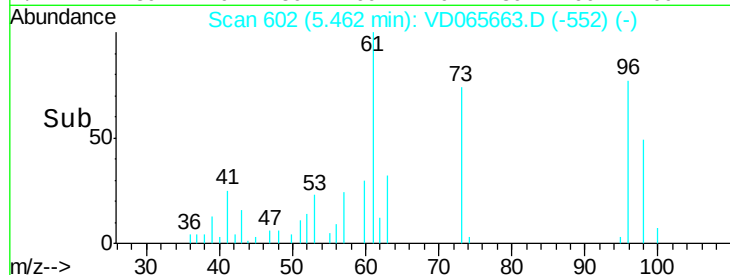
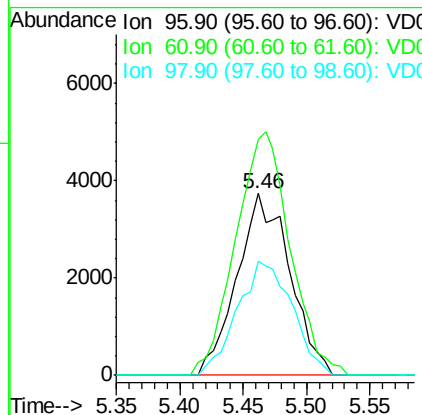
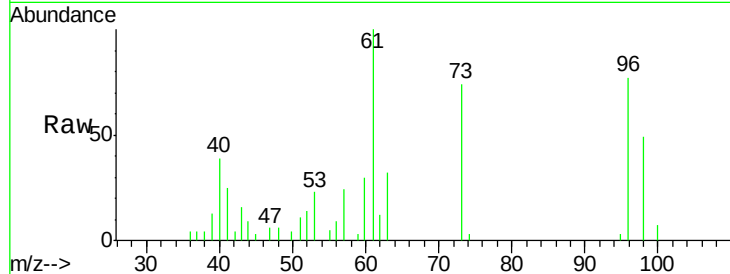
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	10804
Ion	Ratio	Lower	Upper
96	100		
61	129.4	109.6	164.4
98	63.2	49.3	73.9

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#22

Diisopropyl ether

Concen: 4.541 ug/l

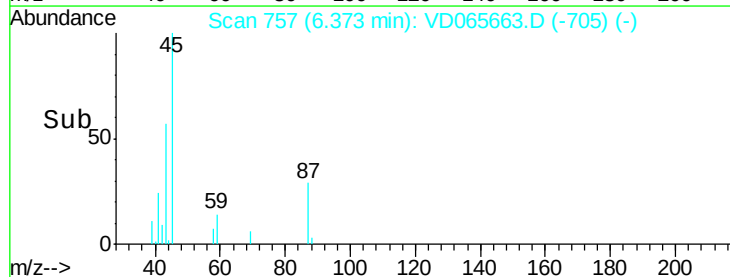
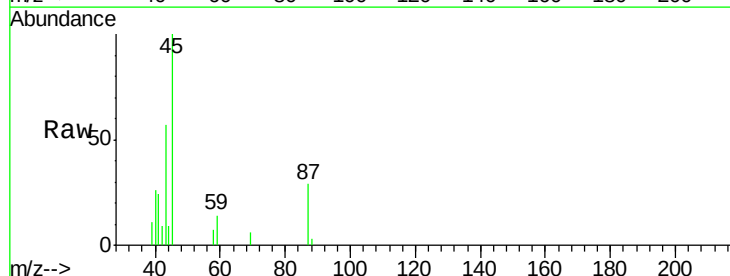
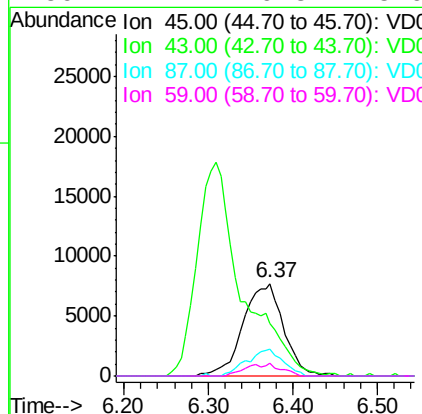
RT: 6.37 min Scan# 757

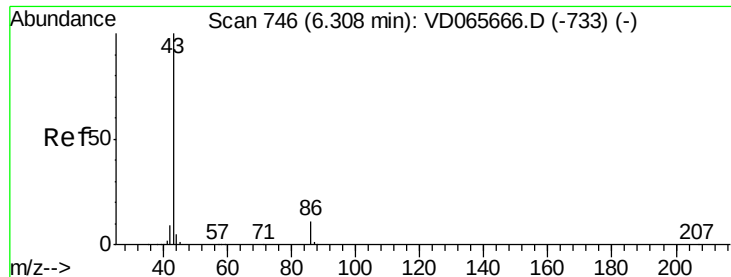
Delta R.T. 0.01 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:14

Tgt Ion:	45	Resp:	25612
Ion	Ratio	Lower	Upper
45	100		
43	56.9	41.9	62.9
87	28.7	21.6	32.4
59	14.1	9.3	13.9





#23

Vinyl Acetate

Concen: 20.943 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 65996

Ion Ratio Lower Upper

43 100

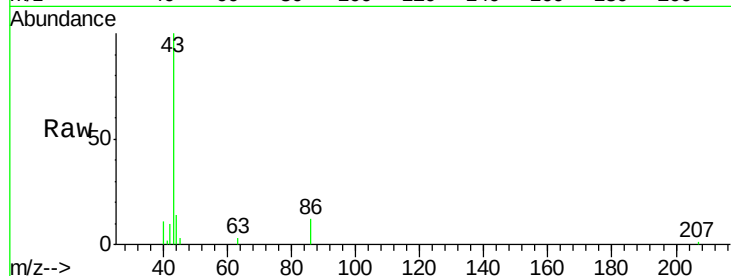
86 11.7 8.7 13.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

20000

15000

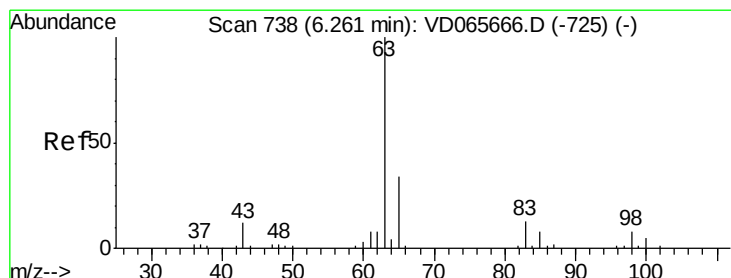
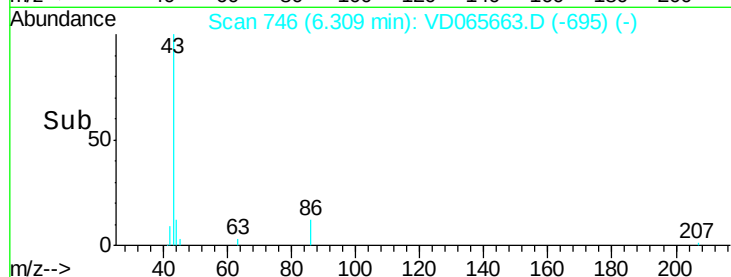
10000

5000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 5.528 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:14

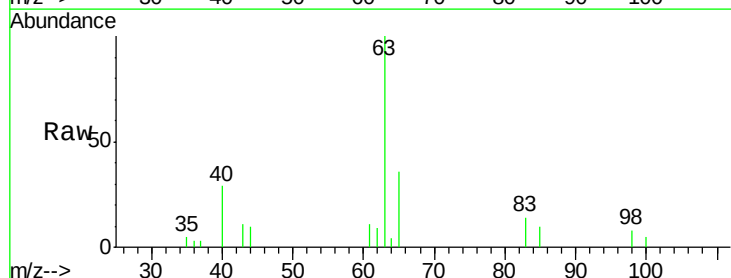
Tgt Ion: 63 Resp: 20024

Ion Ratio Lower Upper

63 100

98 8.4 3.8 11.2

100 5.0 2.3 6.9



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

8000

6000

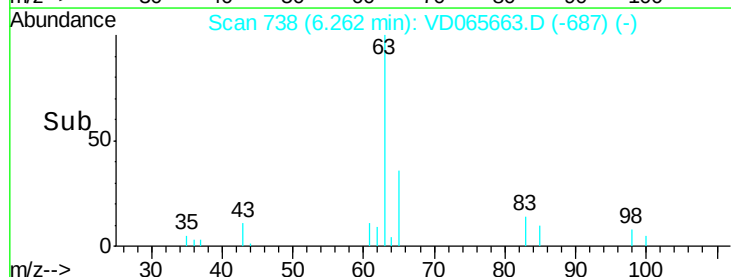
4000

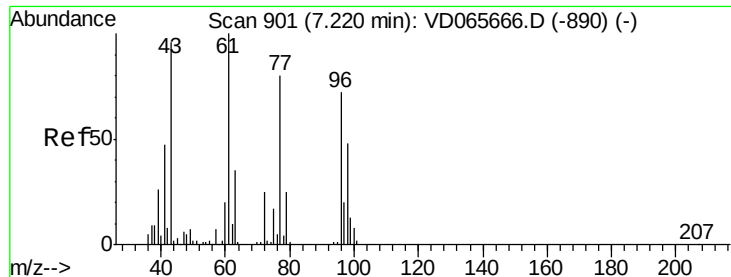
2000

0

6.15 6.20 6.25 6.30 6.35

Time-->





#25

2-Butanone

Concen: 23.731 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 12602

Ion Ratio Lower Upper

43 100

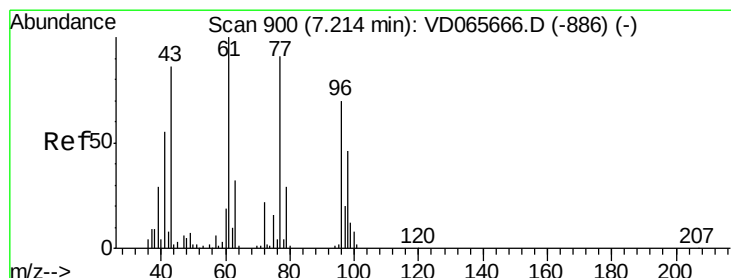
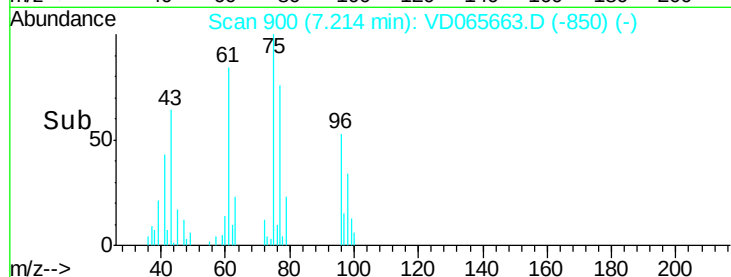
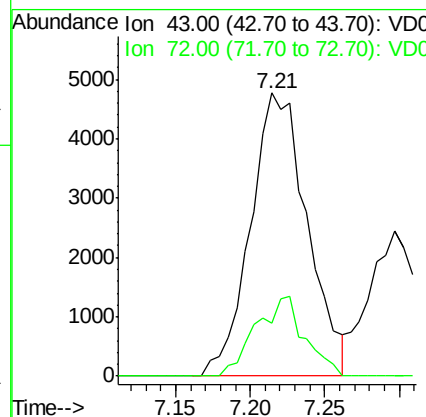
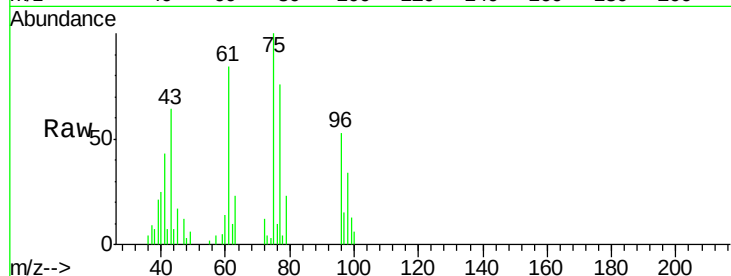
72 18.5 21.1 31.7#

Manual Integrations

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MMDadoda

4/23/2020 1:31:35 PM



#26

2,2-Dichloropropane

Concen: 5.295 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065663.D

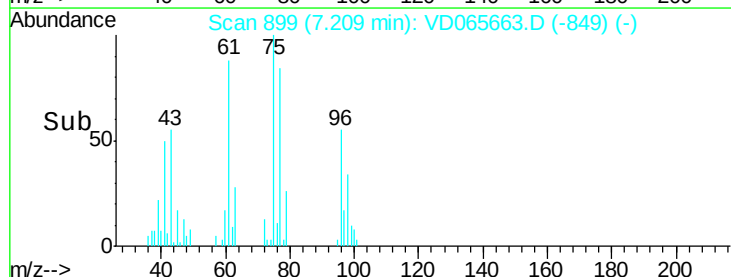
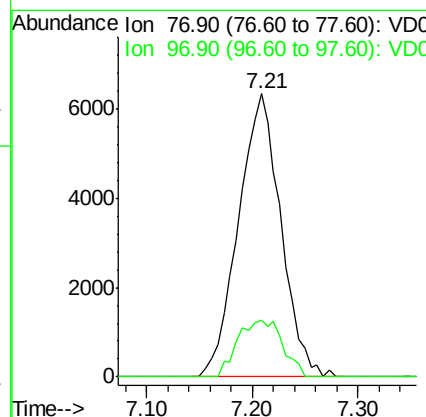
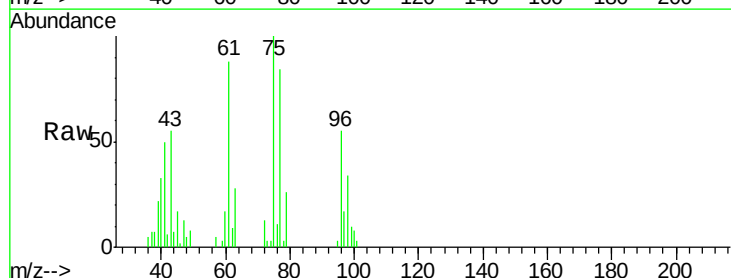
Acq: 22 Apr 2020 13:14

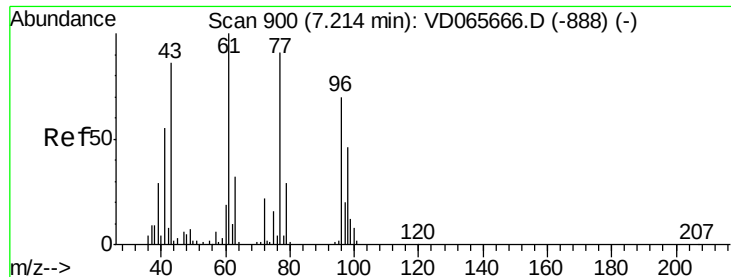
Tgt Ion: 77 Resp: 17604

Ion Ratio Lower Upper

77 100

97 21.2 11.5 34.4





#27

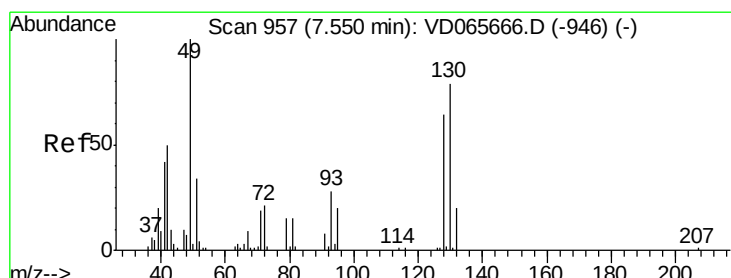
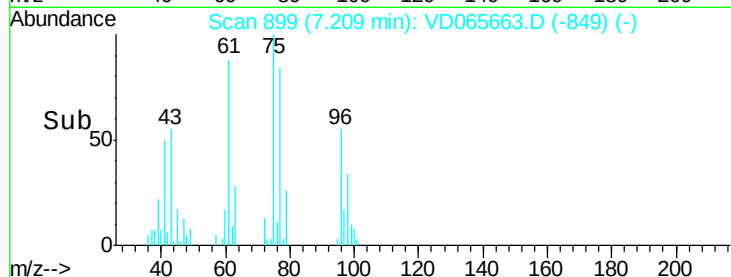
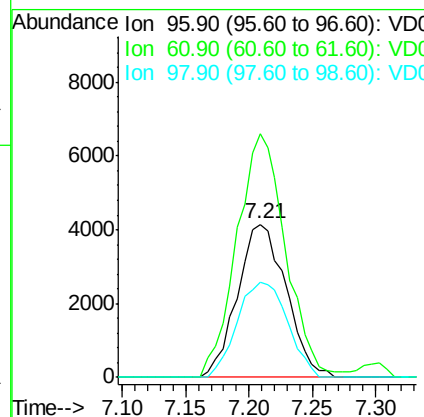
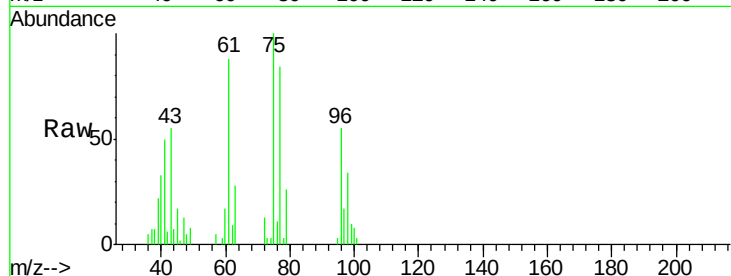
cis-1,2-Dichloroethene
 Concen: 4.829 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD065663.D
 Acq: 22 Apr 2020 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.2	0.0	290.4
98	64.2	0.0	131.0

Manual Integrations
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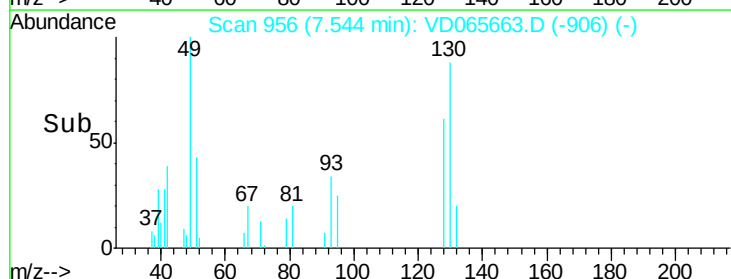
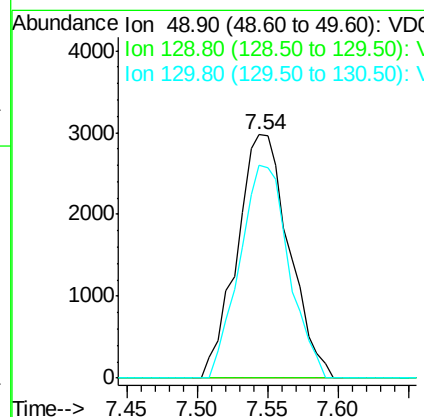
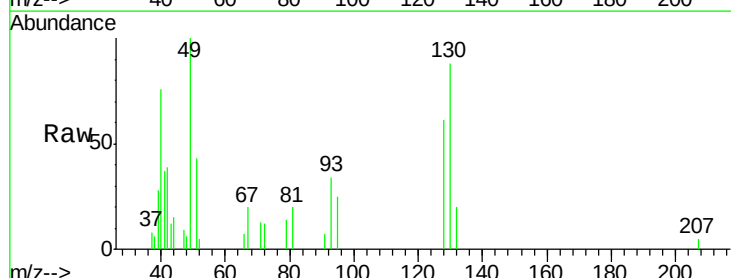
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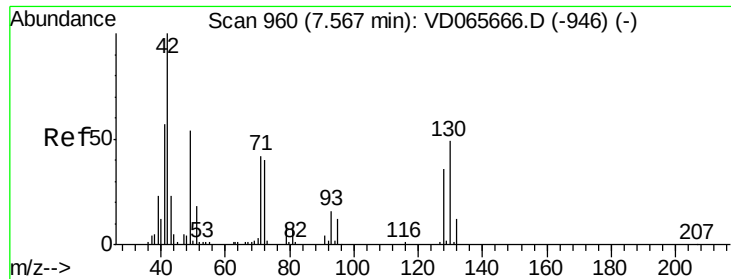


#28

Bromochloromethane
 Concen: 4.986 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD065663.D
 Acq: 22 Apr 2020 13:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.0
130	82.5	66.3	99.5





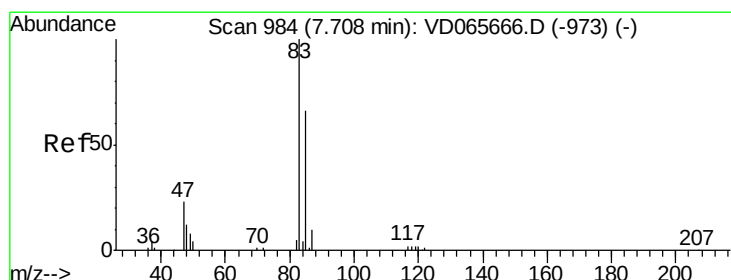
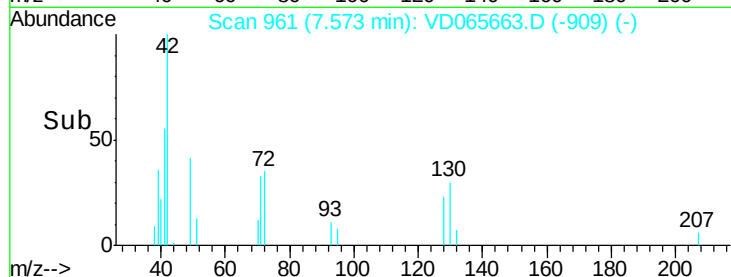
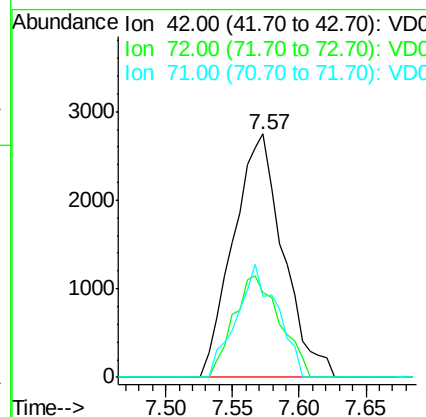
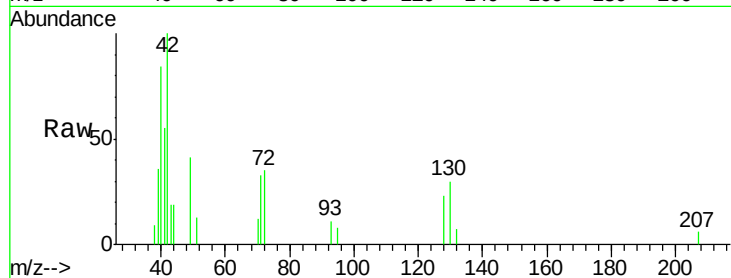
#29
Tetrahydrofuran
Concen: 21.140 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.7	33.8	50.6
71	37.9	30.7	46.1

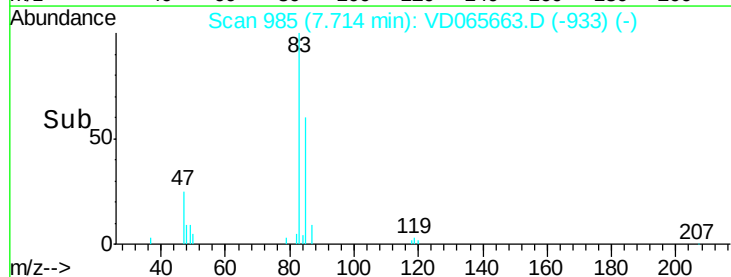
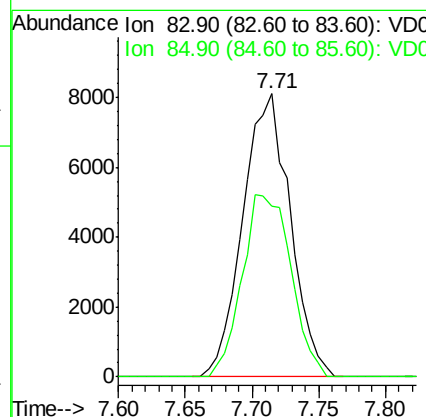
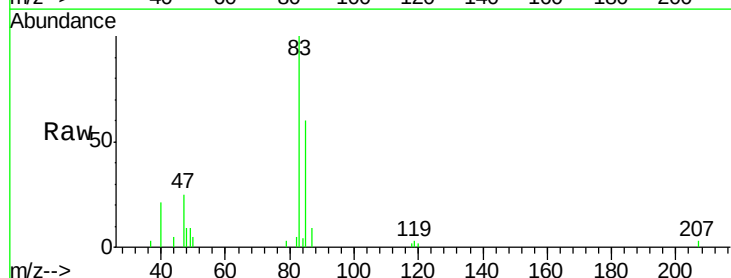
Manual Integrations
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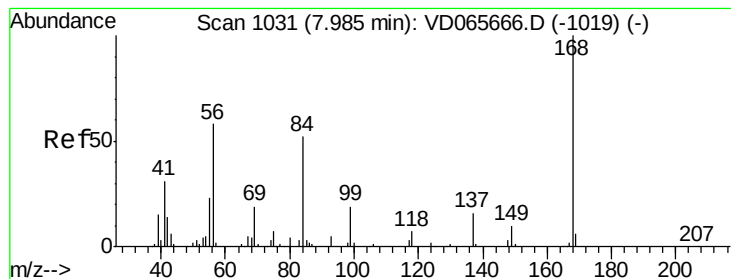
MMDadoda
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#30
Chloroform
Concen: 5.091 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.2	52.5	78.7





#31

Cyclohexane

Concen: 5.544 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 19988

Ion Ratio Lower Upper

56 100

69 65.7 26.3 39.5#

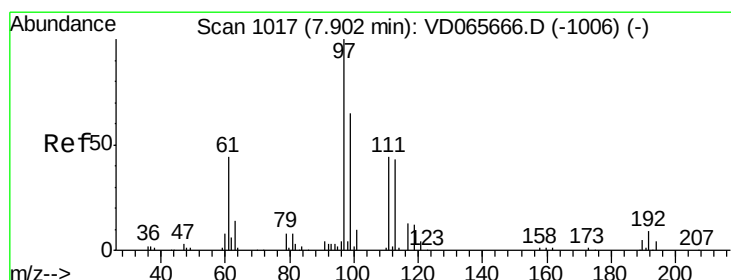
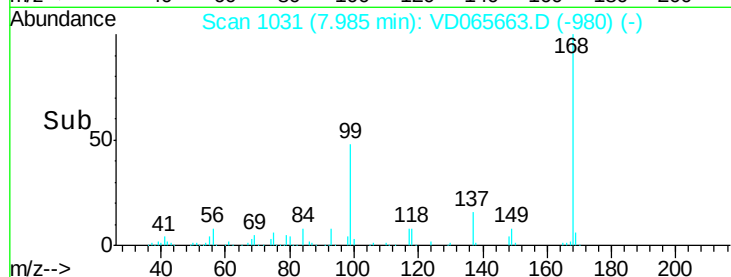
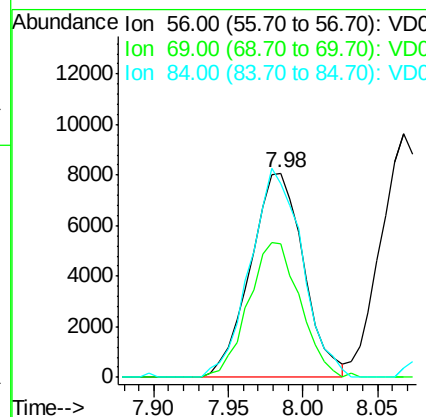
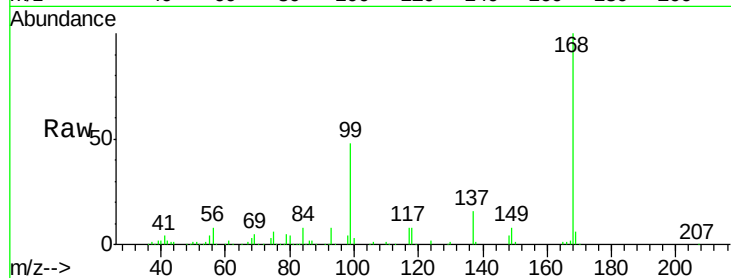
84 94.8 71.4 107.0

Manual Integrations

APPROVED

MMDadoda

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#32

1,1,1-Trichloroethane

Concen: 5.115 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:14

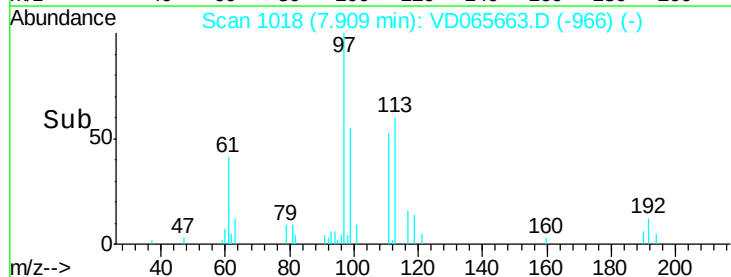
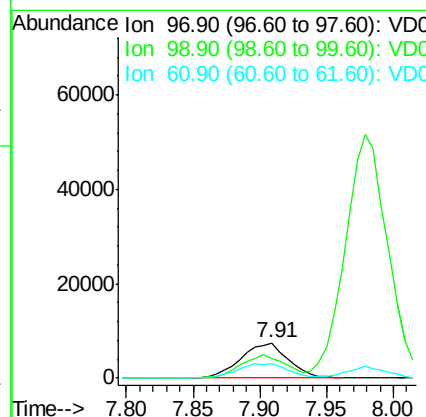
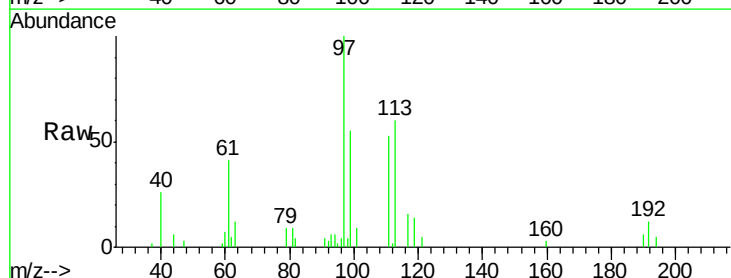
Tgt Ion: 97 Resp: 18139

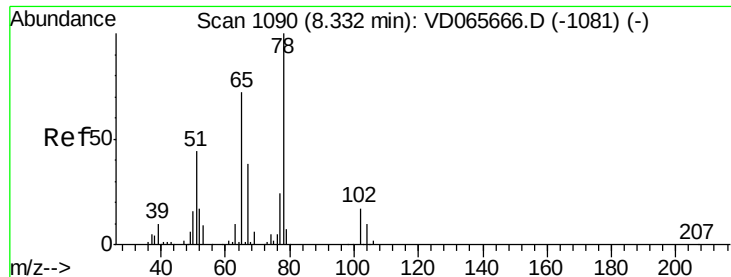
Ion Ratio Lower Upper

97 100

99 64.0 51.1 76.7

61 45.4 35.8 53.6





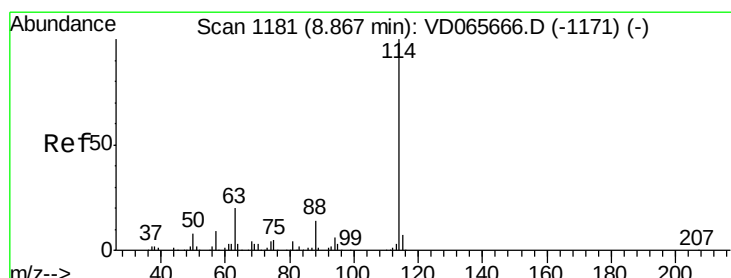
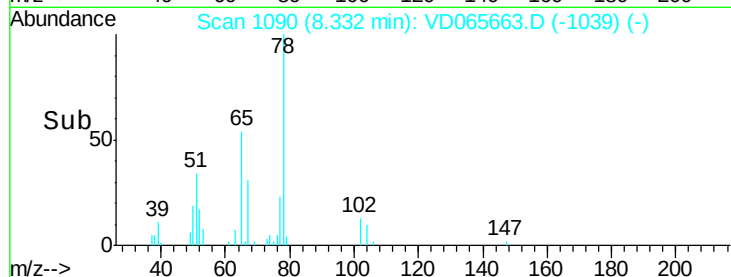
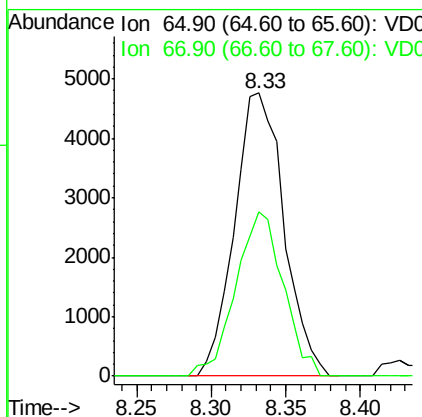
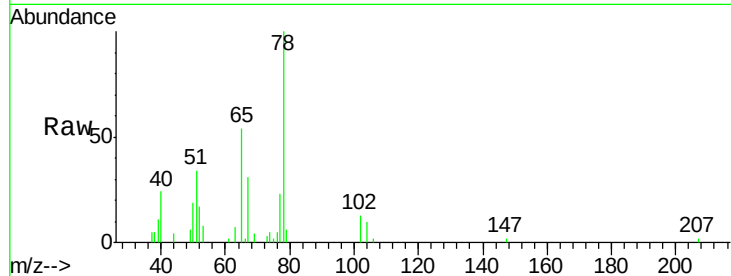
#33
 1,2-Dichloroethane-d4
 Concen: 5.470 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD065663.D
 Acq: 22 Apr 2020 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100	10938		
67	55.8	0.0	107.0	

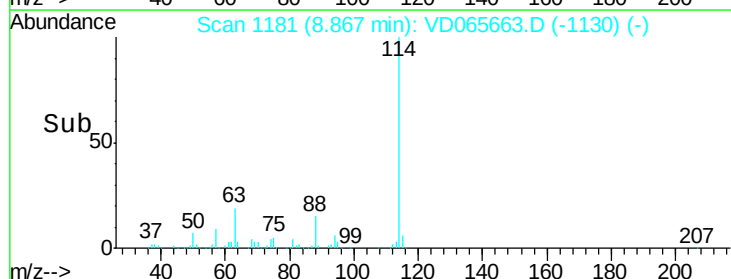
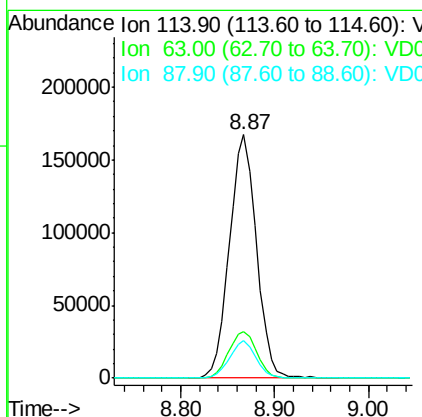
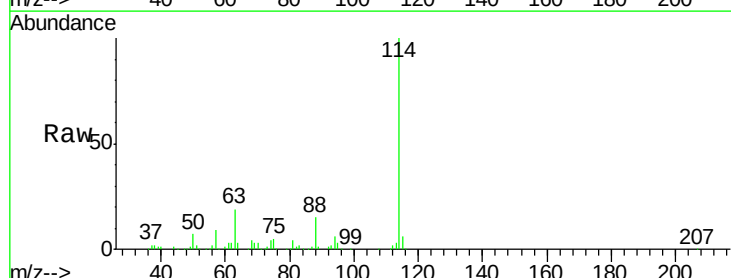
Manual Integrations
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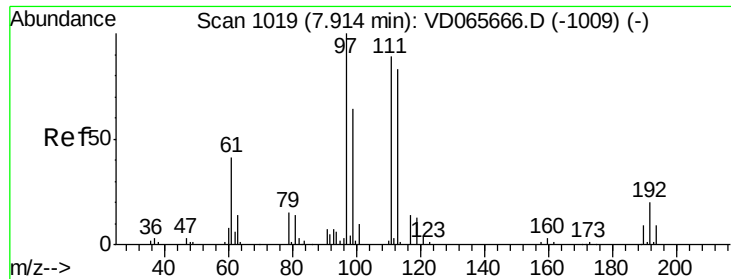
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065663.D
 Acq: 22 Apr 2020 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	333409		
63	19.0	0.0	39.2	
88	15.3	0.0	28.4	





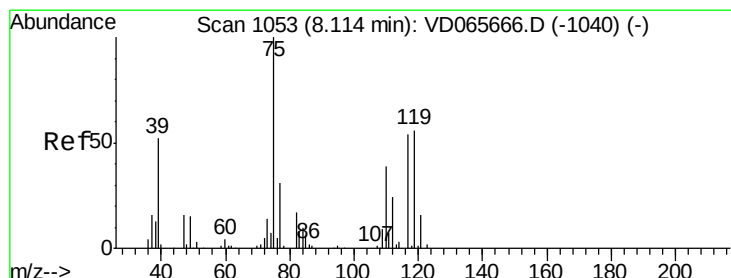
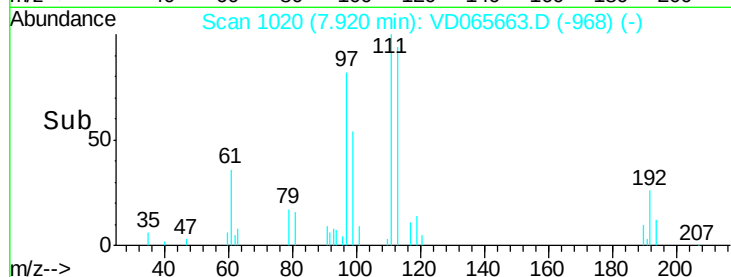
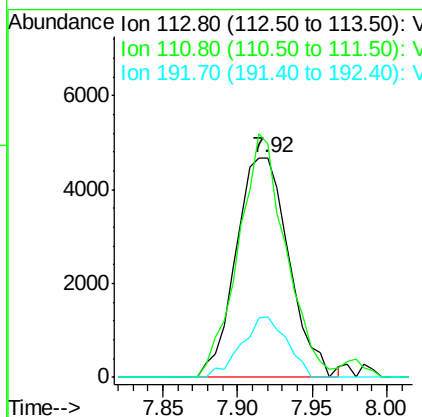
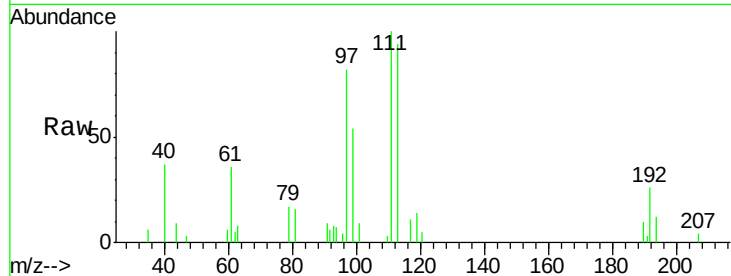
#35
 Dibromofluoromethane
 Concen: 5.518 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD065663.D
 Acq: 22 Apr 2020 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	99.1	83.2	124.8
192	23.5	18.6	28.0

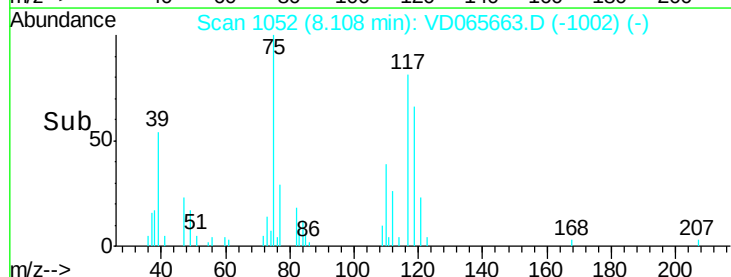
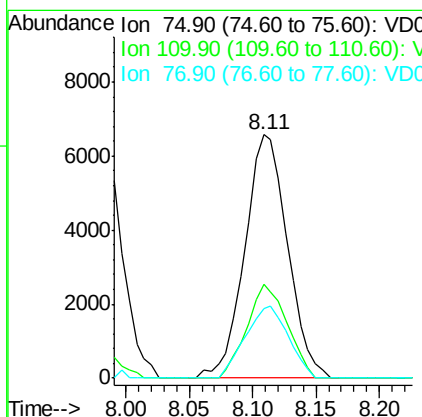
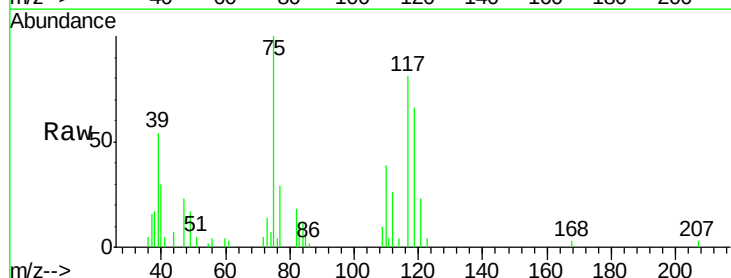
Manual Integrations
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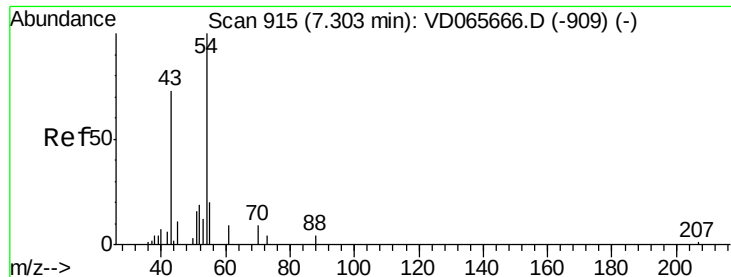
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#36
 1,1-Dichloropropene
 Concen: 4.833 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD065663.D
 Acq: 22 Apr 2020 13:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.2	18.4	55.0
77	29.7	25.3	37.9





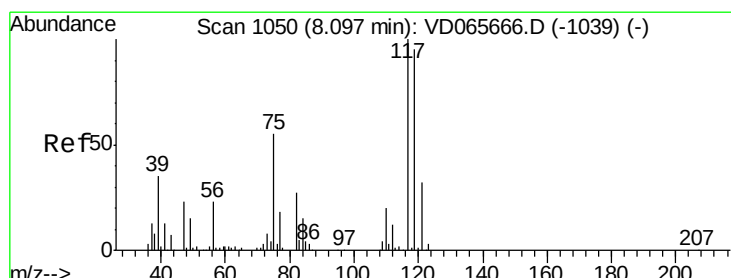
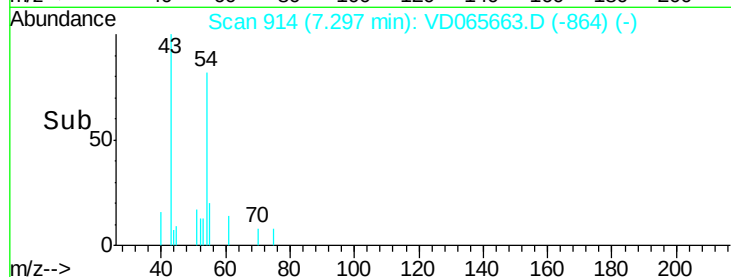
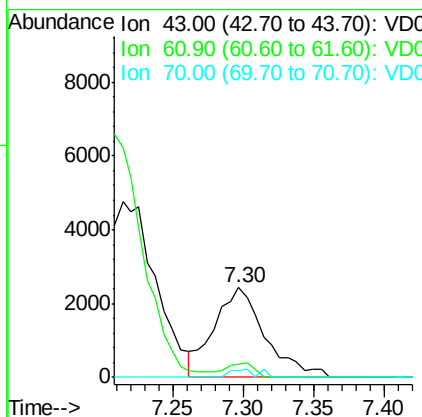
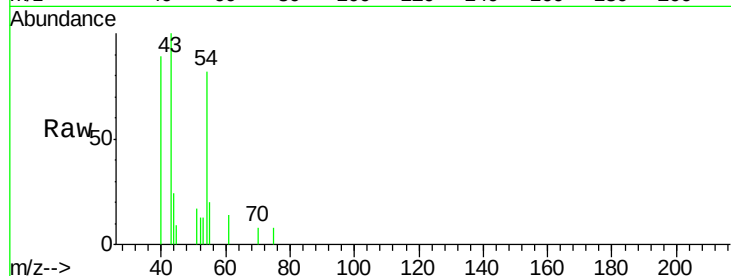
#37
Ethyl Acetate
Concen: 4.632 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	8.7	12.1	18.1#
70	4.8	7.8	11.8#

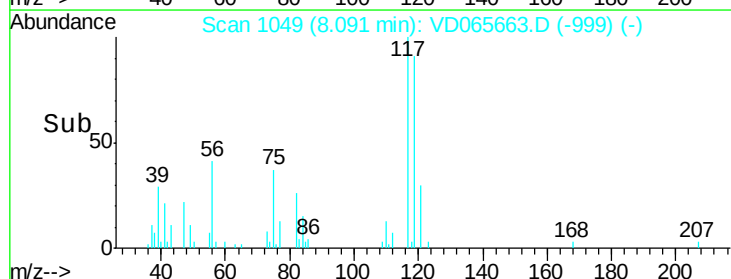
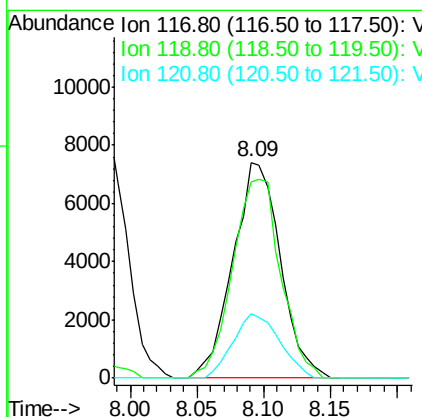
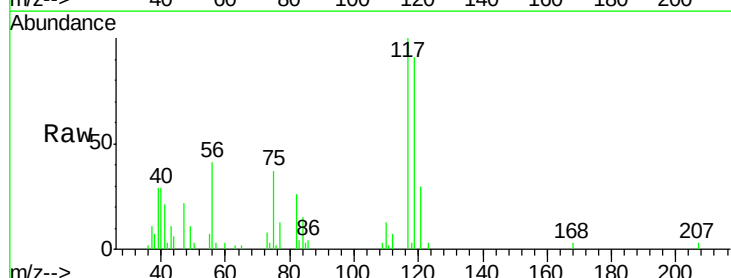
Manual Integrations
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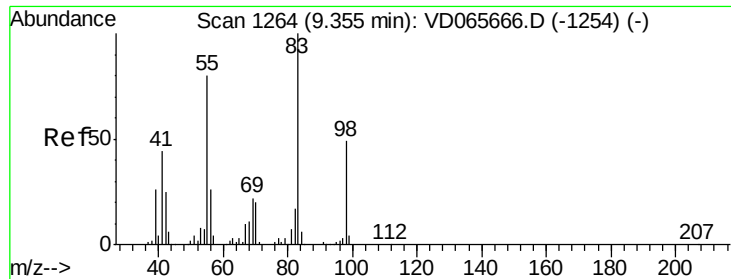
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#38
Carbon Tetrachloride
Concen: 5.260 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.1	75.7	113.5
121	30.0	25.8	38.6





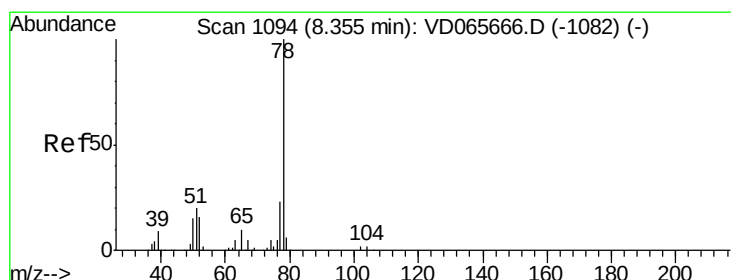
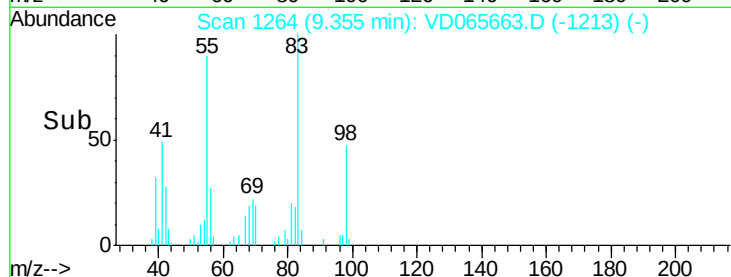
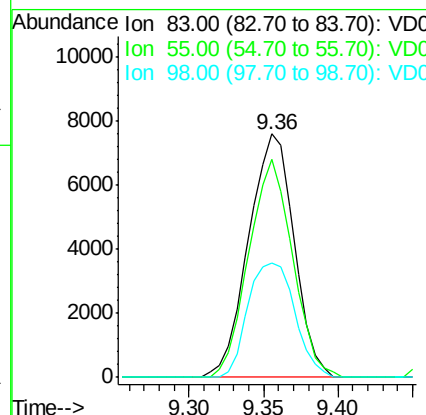
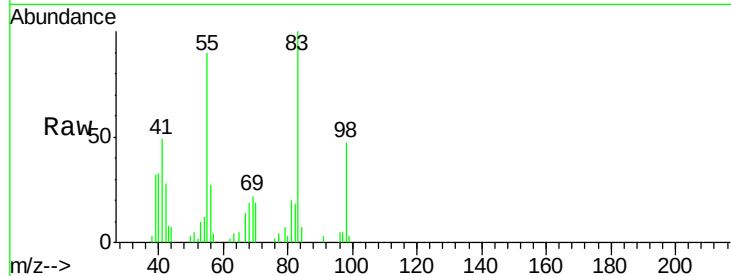
#39
Methylvlcyclohexane
Concen: 4.360 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.5	64.0	96.0
98	47.0	39.2	58.8

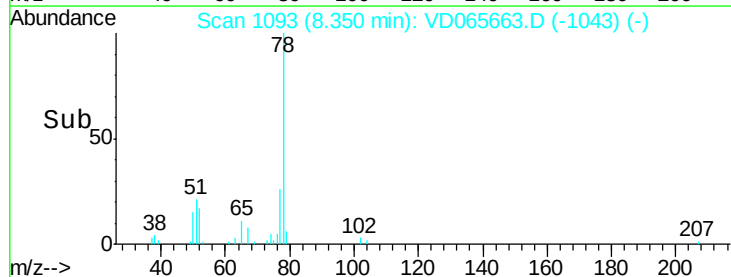
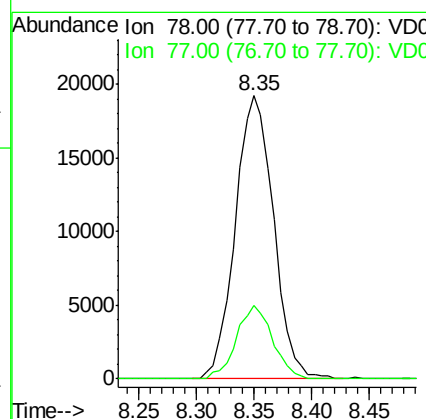
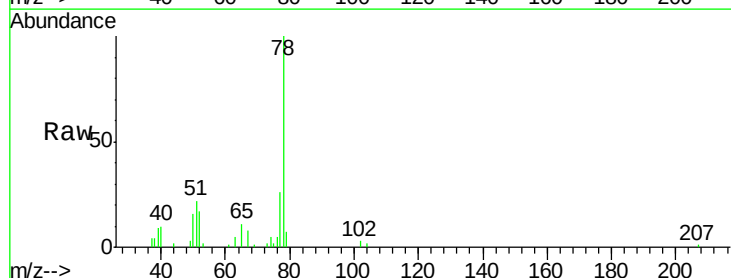
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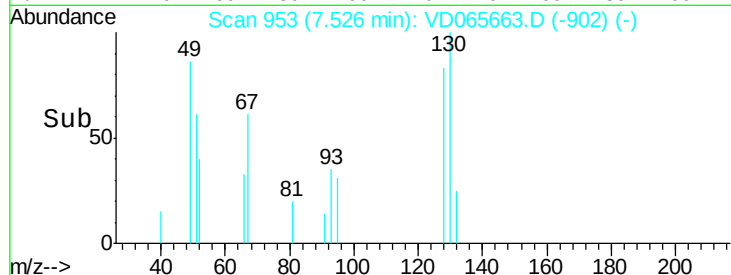
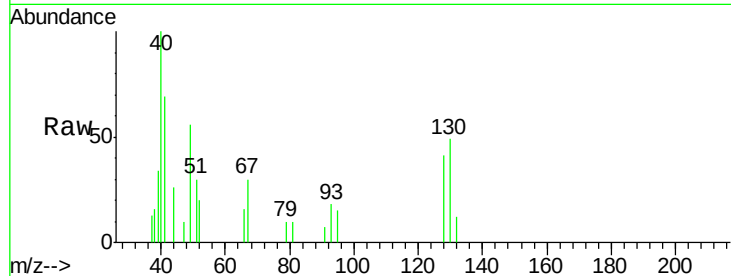
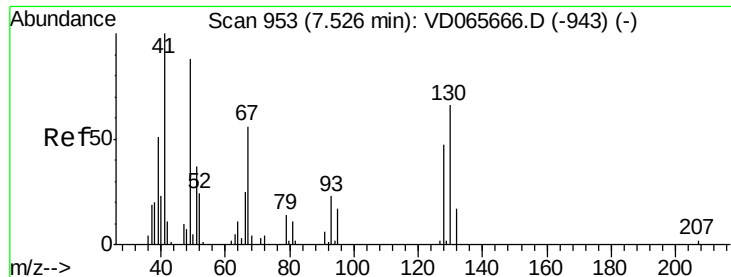
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#40
Benzene
Concen: 4.887 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.0	18.7	28.1





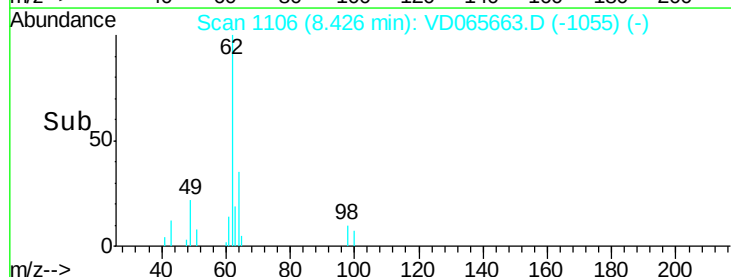
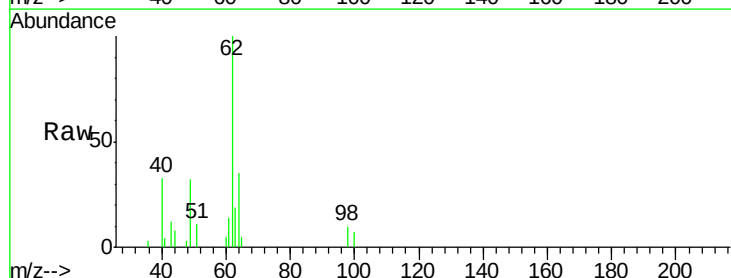
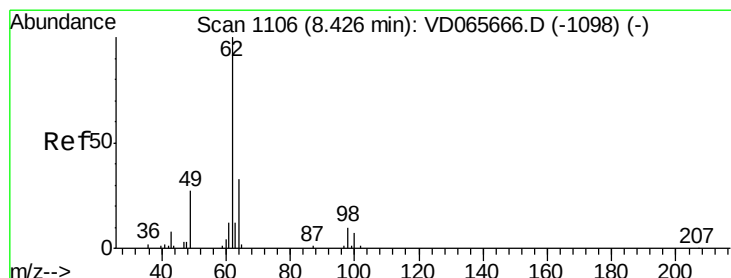
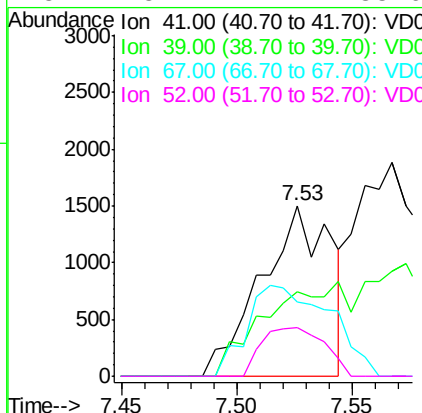
#41
Methacrylonitrile
Concen: 4.860 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:14

Tot Ion	41	Resp	3158
Ion	Ratio	Lower	Upper
41	100		
39	49.4	43.8	65.6
67	63.6	54.4	81.6
52	25.7	22.4	33.6

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

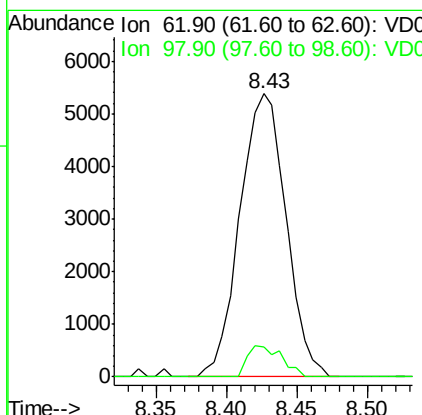
Manual Integrations
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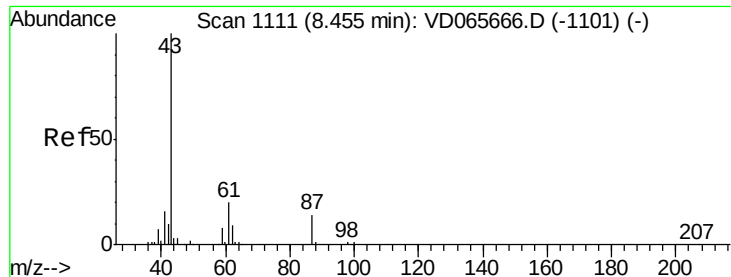
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#42
1,2-Dichloroethane
Concen: 4.715 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:14

Tgt Ion	62	Resp	12317
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	20.2





#43

Isopropyl Acetate

Concen: 4.244 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:14

Instrument :

MSVOA_D

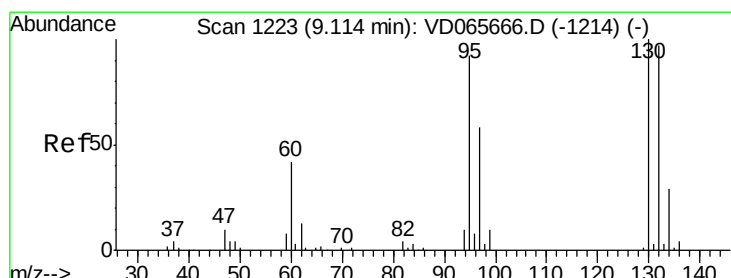
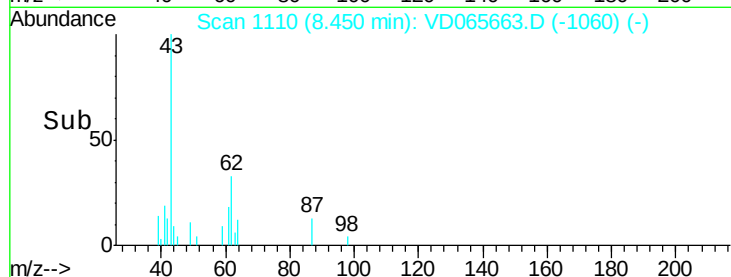
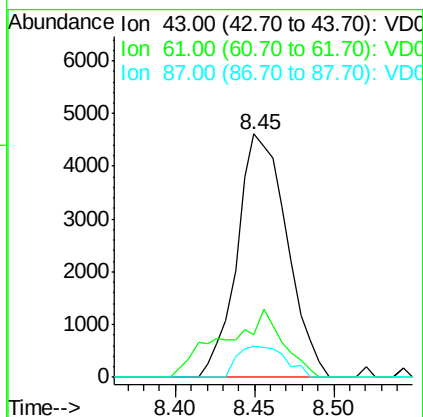
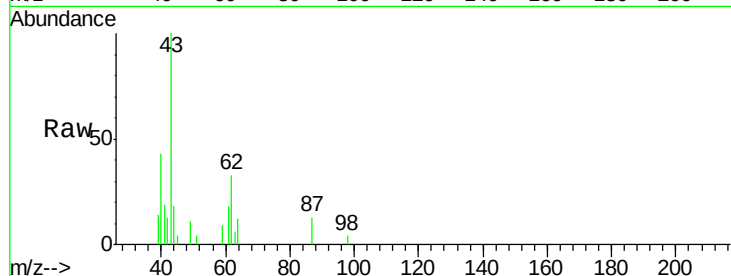
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	10079
Ion	Ratio	Lower	Upper
43	100		
61	33.8	24.7	37.1
87	12.4	10.6	16.0

Manual Integrations
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#44

Trichloroethene

Concen: 5.119 ug/l

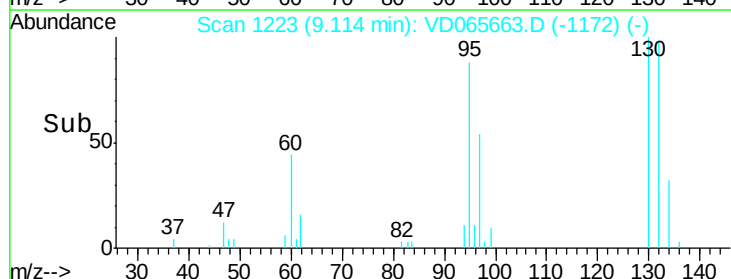
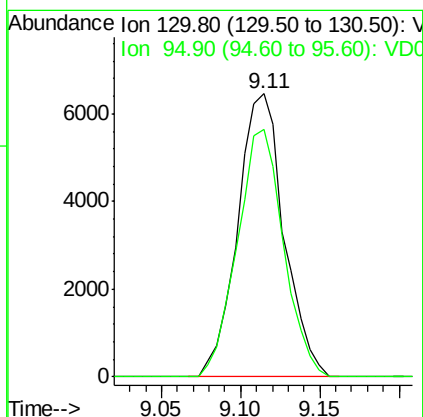
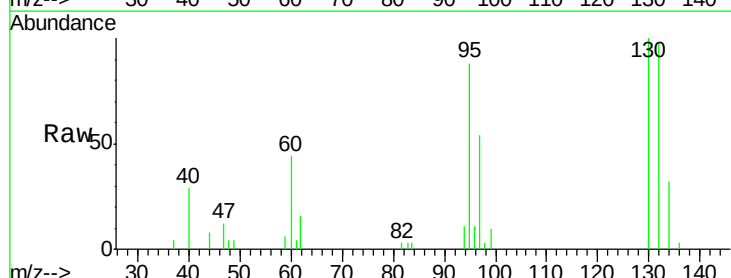
RT: 9.11 min Scan# 1223

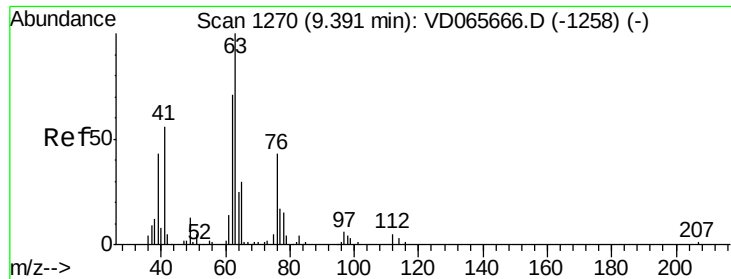
Delta R.T. 0.00 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:14

Tgt Ion:	130	Resp:	13104
Ion	Ratio	Lower	Upper
130	100		
95	87.6	0.0	183.2





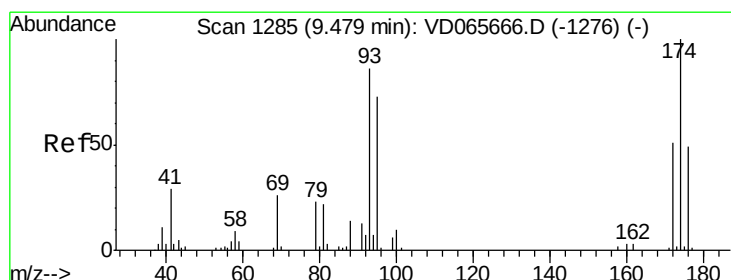
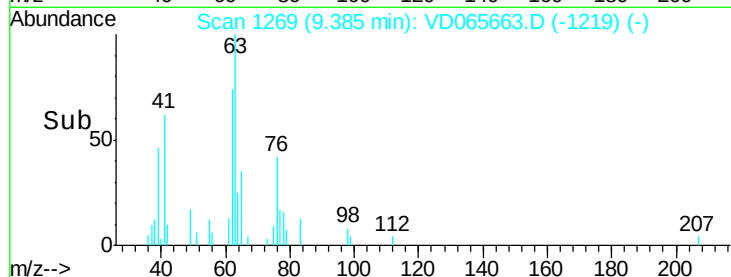
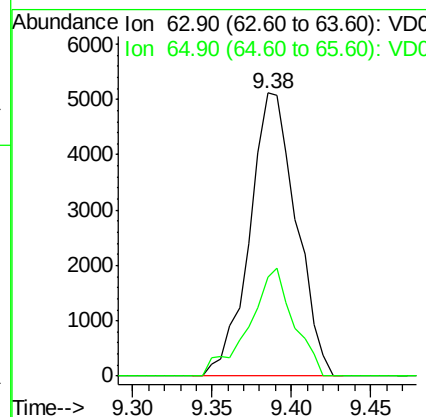
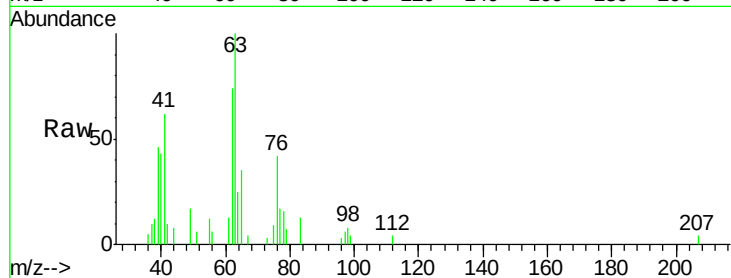
#45
 1,2-Dichloropropane
 Concen: 4.718 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD065663.D
 Acq: 22 Apr 2020 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 10484
 Ion Ratio Lower Upper
 63 100
 65 35.2 24.2 36.4

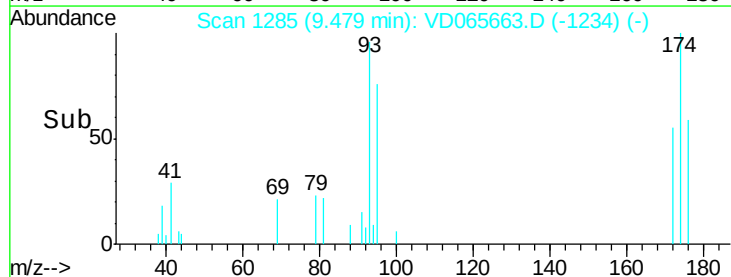
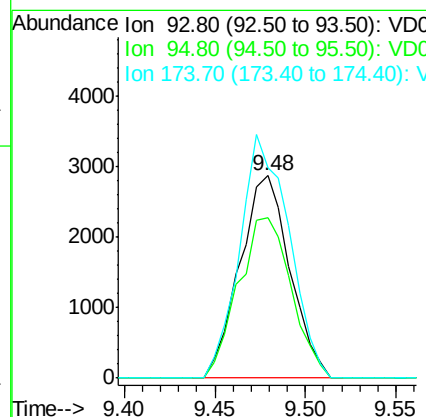
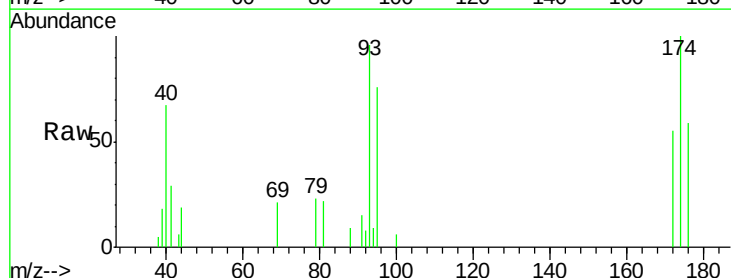
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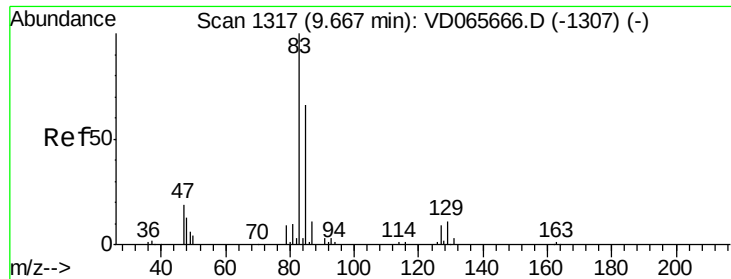
MMDadoda
 4/23/2020 1:31:35 PM



#46
 Dibromomethane
 Concen: 4.580 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065663.D
 Acq: 22 Apr 2020 13:14

Tgt Ion: 93 Resp: 5499
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.4 99.6
 174 118.0 93.0 139.6





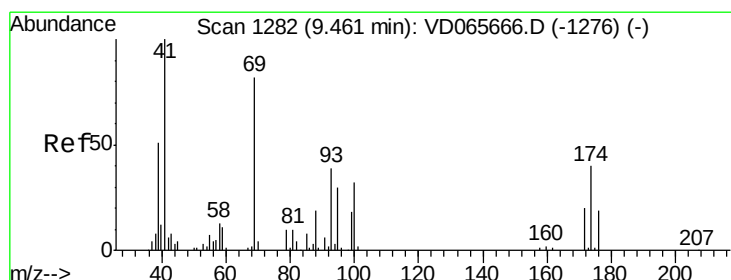
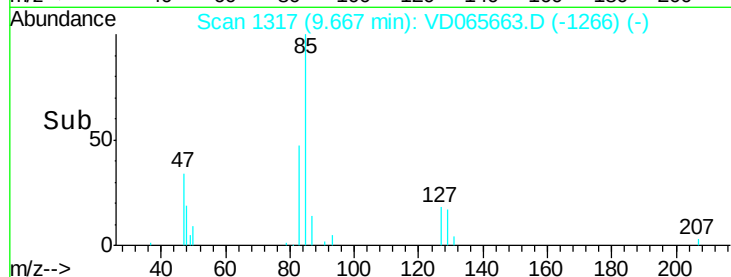
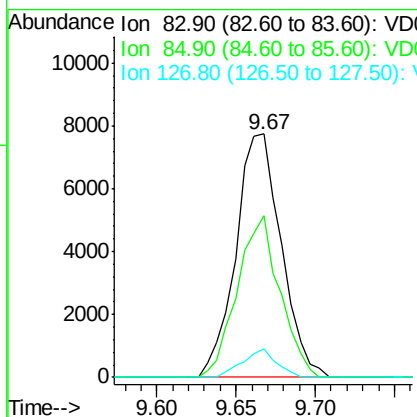
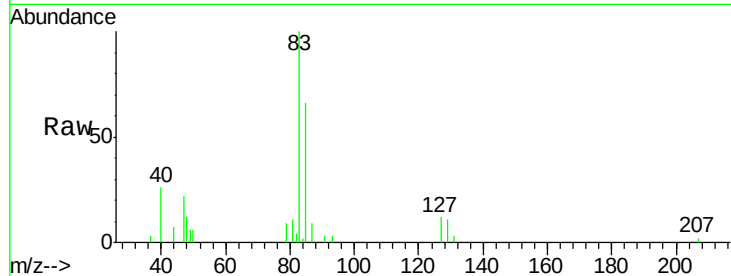
#47
Bromodichloromethane
Concen: 4.769 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
85	66.2	53.2	79.8
127	12.0	7.3	10.9

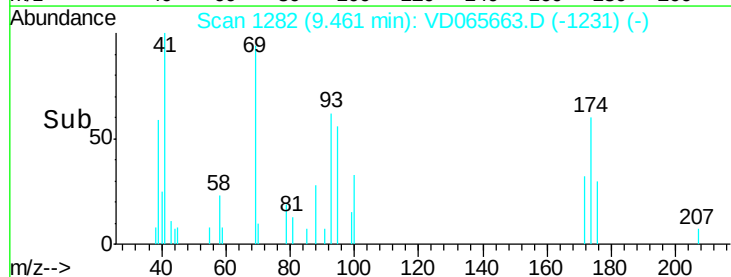
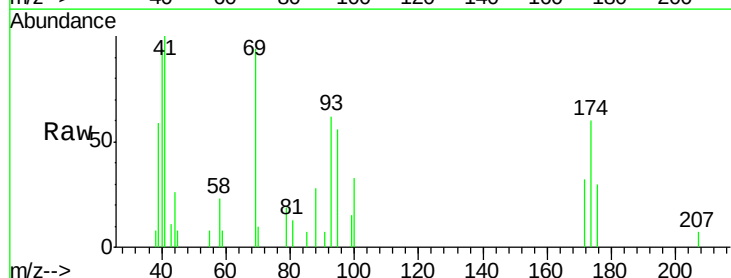
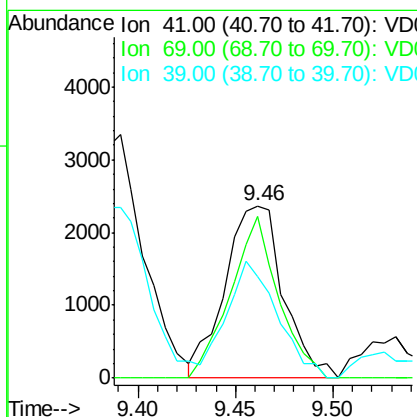
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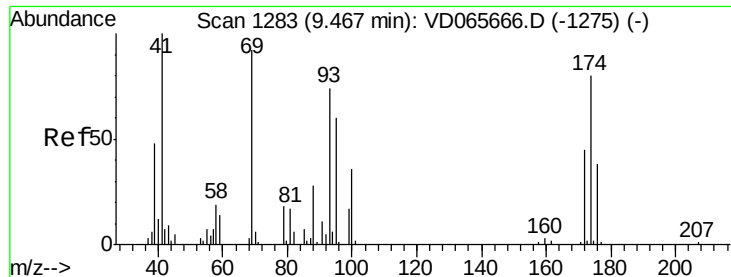
MMDadoda
4/23/2020 1:31:35 PM



#48
Methyl methacrylate
Concen: 4.305 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:14

Tgt Ion	Ratio	Lower	Upper
41	100		
69	77.3	69.5	104.3
39	59.1	41.6	62.4





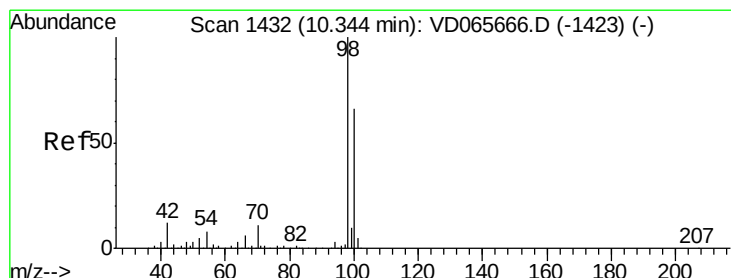
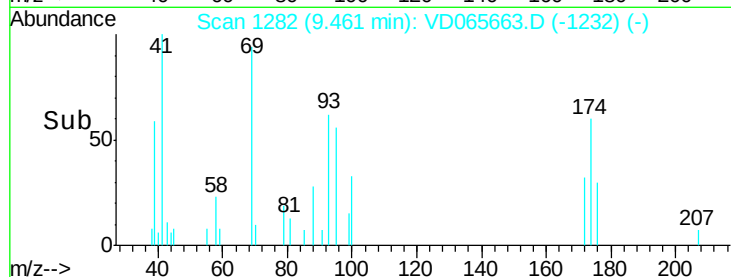
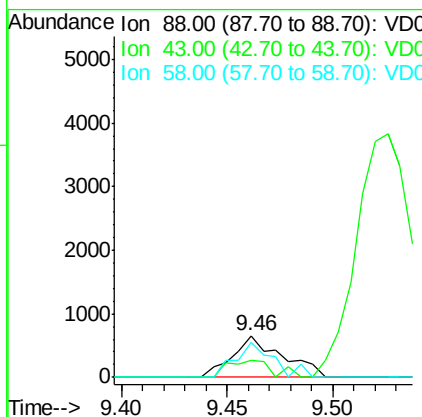
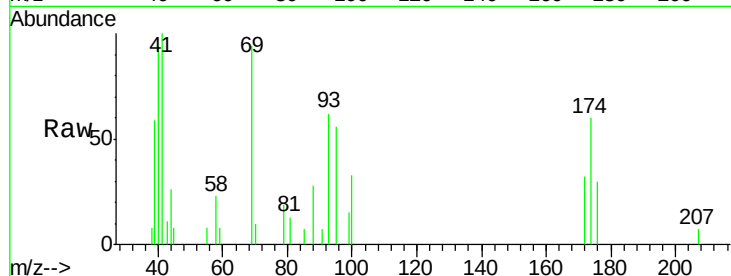
#49
1,4-Dioxane
Concen: 78.041 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.7	31.3	46.9
58	65.0	58.0	87.0

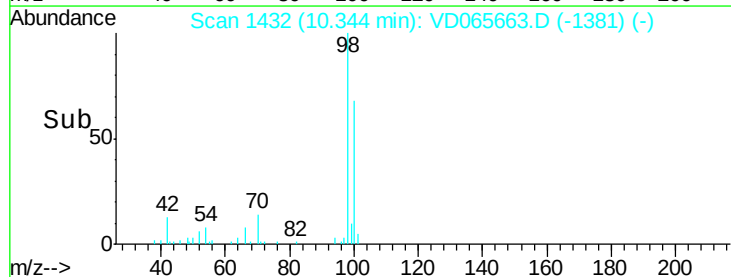
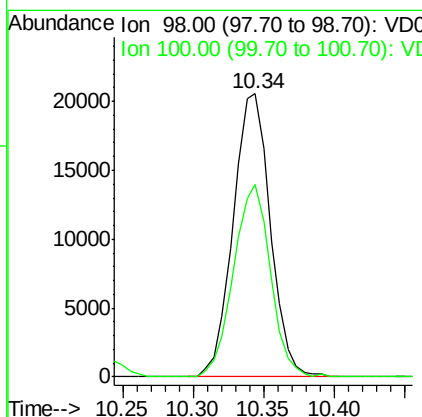
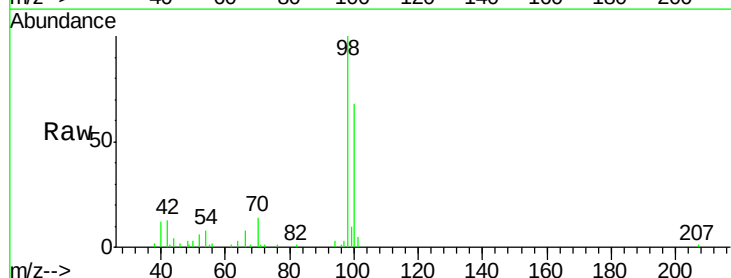
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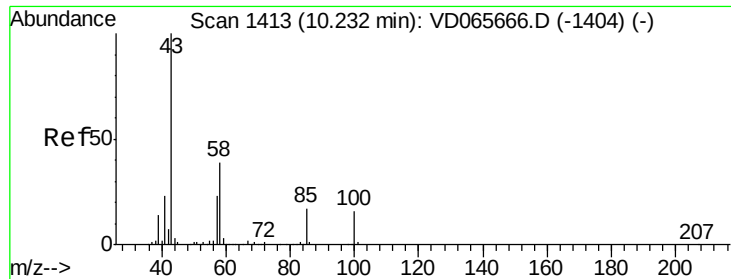
MMDadoda
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#50
Toluene-d8
Concen: 4.648 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.4	52.8	79.2





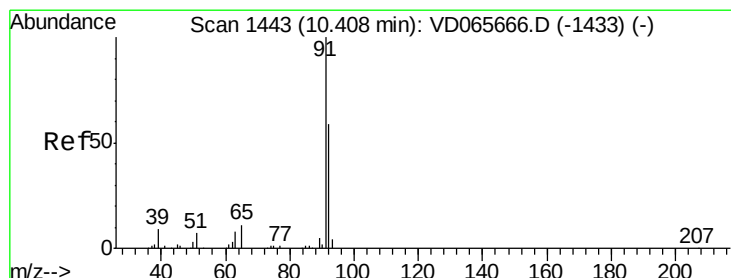
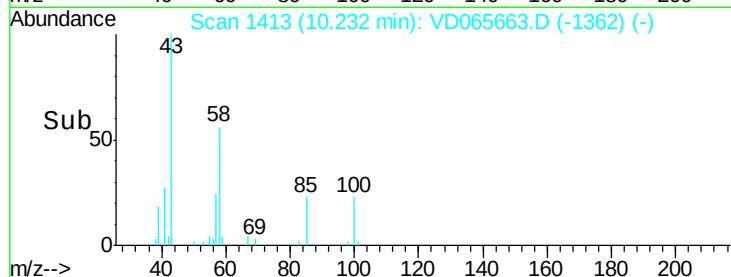
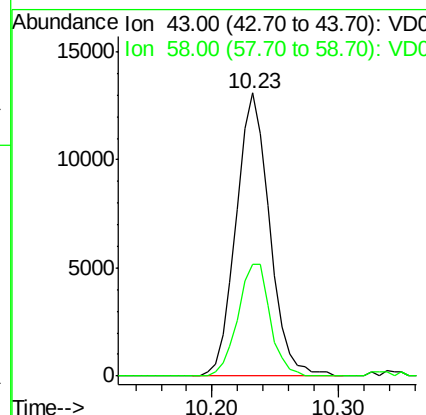
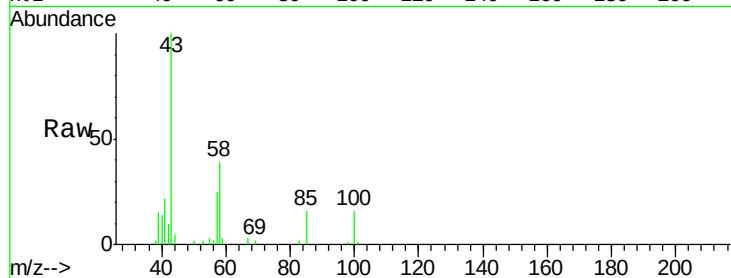
#51
 4-Methyl-2-Pentanone
 Concen: 18.596 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD065663.D
 Acq: 22 Apr 2020 13:14

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC005

Tot Ion: 43 Resp: 23935
 Ion Ratio Lower Upper
 43 100
 58 37.9 31.1 46.7

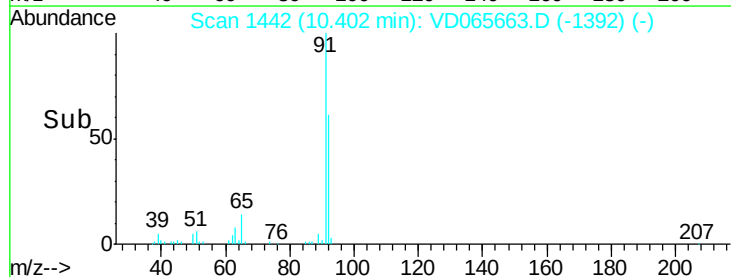
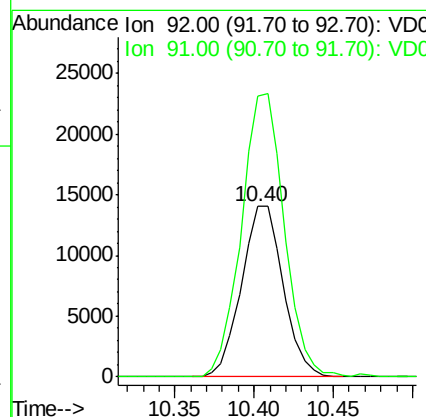
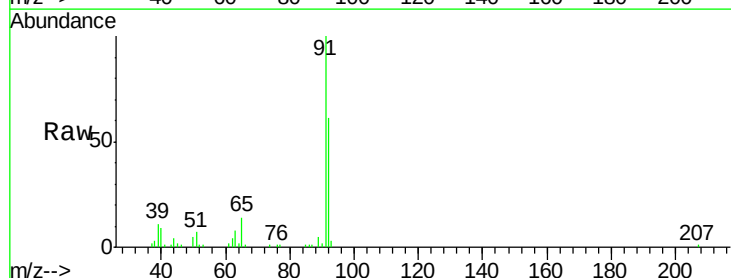
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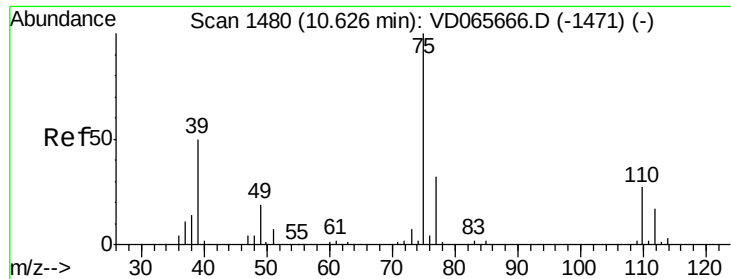
MMDadoda
 4/23/2020 1:31:35 PM



#52
 Toluene
 Concen: 4.314 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: VD065663.D
 Acq: 22 Apr 2020 13:14

Tgt Ion: 92 Resp: 25698
 Ion Ratio Lower Upper
 92 100
 91 169.8 135.9 203.9





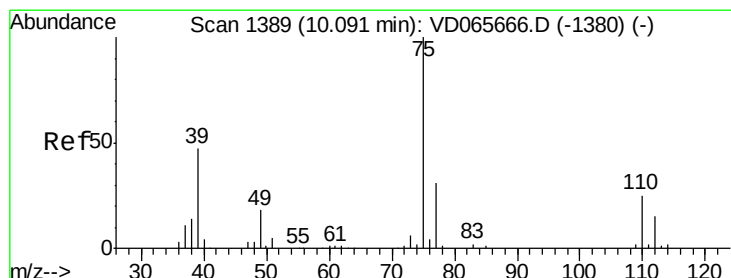
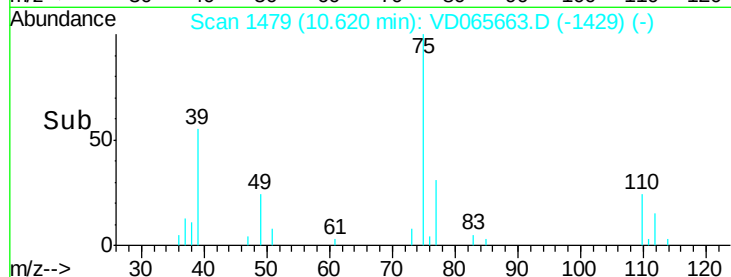
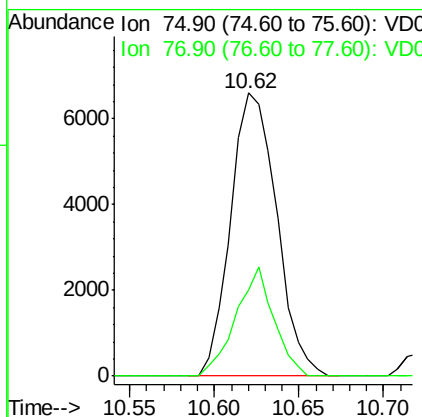
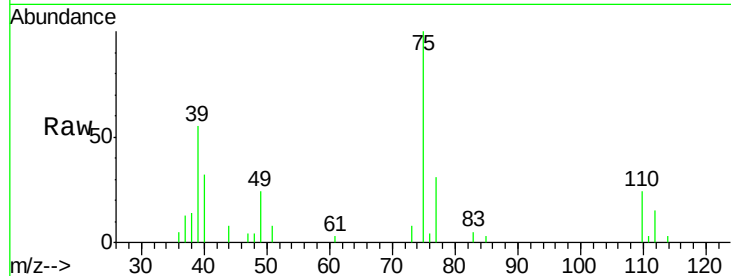
#53
 t-1,3-Dichloropropene
 Concen: 4.220 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: VD065663.D
 Acq: 22 Apr 2020 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 75 Resp: 12504
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.8 38.8

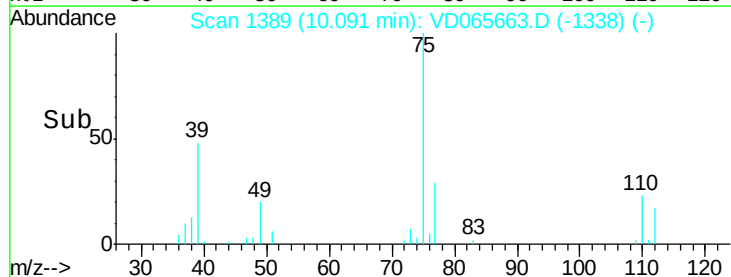
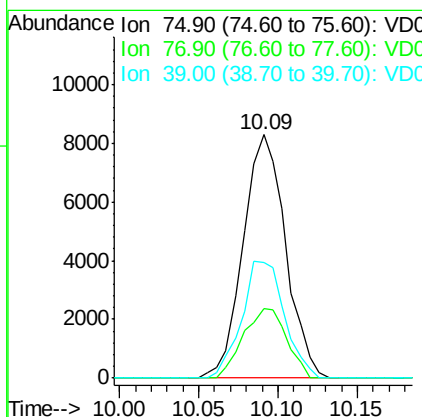
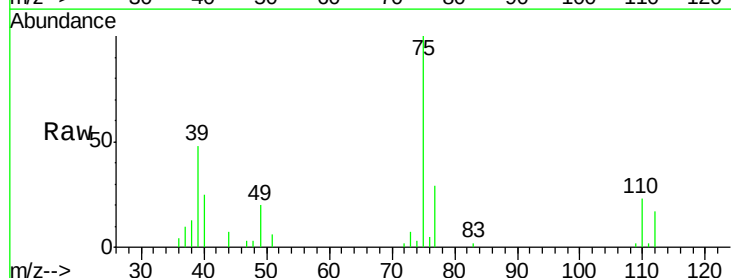
Manual Integrations
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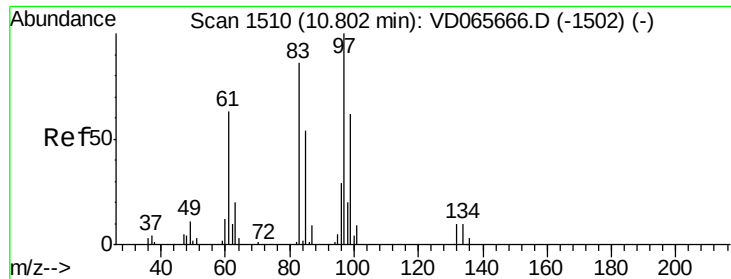
MMDadoda
 4/23/2020 1:31:35 PM



#54
 cis-1,3-Dichloropropene
 Concen: 4.327 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD065663.D
 Acq: 22 Apr 2020 13:14

Tgt Ion: 75 Resp: 15408
 Ion Ratio Lower Upper
 75 100
 77 28.8 25.2 37.8
 39 47.7 37.9 56.9





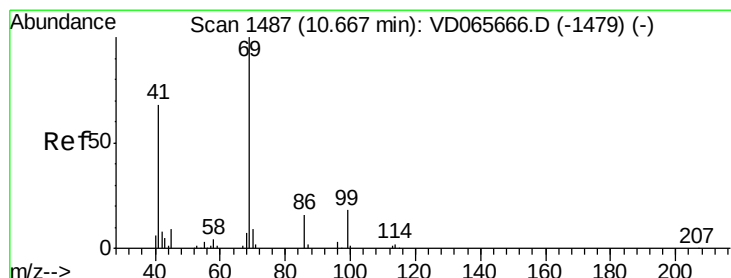
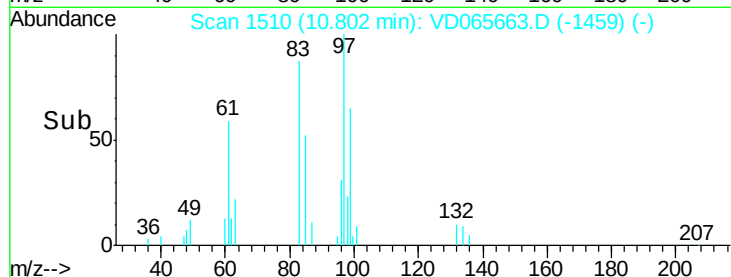
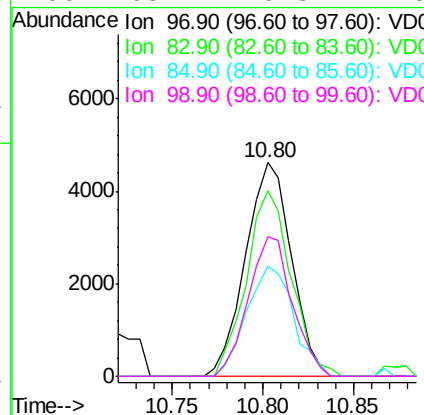
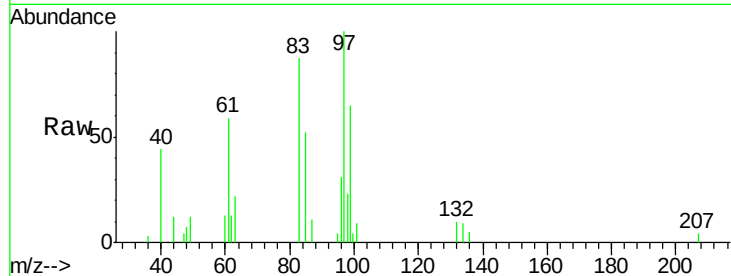
#55
 1,1,2-Trichloroethane
 Concen: 4.626 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD065663.D
 Acq: 22 Apr 2020 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	8140
Ion	Ratio	Lower	Upper
97	100		
83	86.8	68.5	102.7
85	51.7	43.0	64.6
99	65.1	49.8	74.8

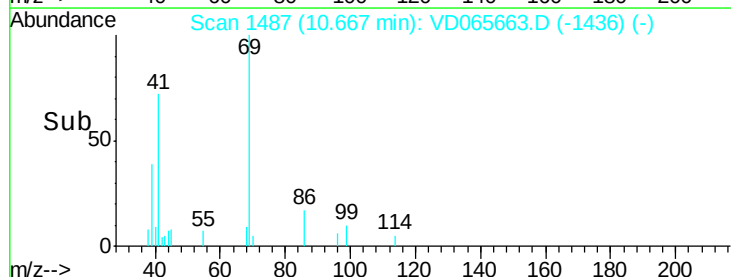
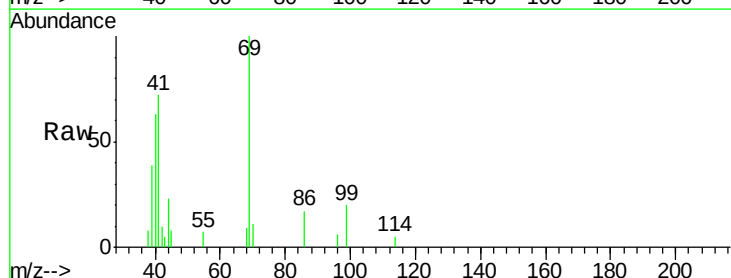
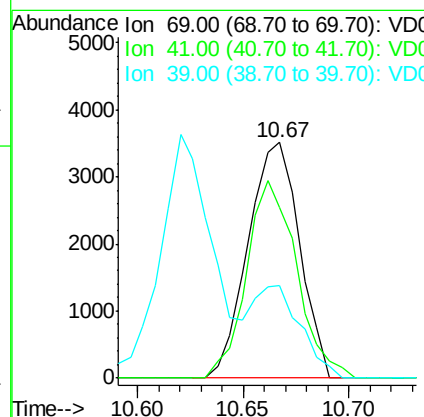
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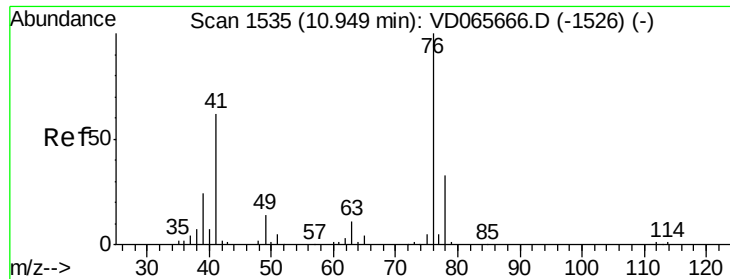
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 4/23/2020 1:31:35 PM



#56
 Ethyl methacrylate
 Concen: 3.168 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065663.D
 Acq: 22 Apr 2020 13:14

Tgt Ion:	69	Resp:	5940
Ion	Ratio	Lower	Upper
69	100		
41	81.7	58.3	87.5
39	35.8	29.5	44.3





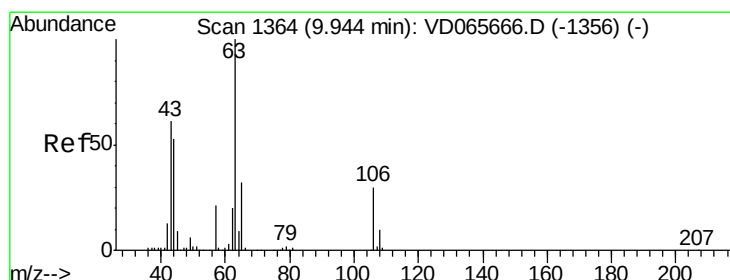
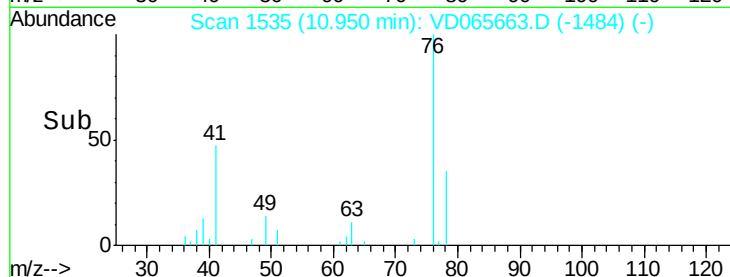
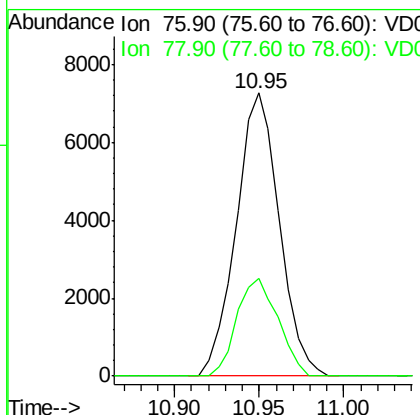
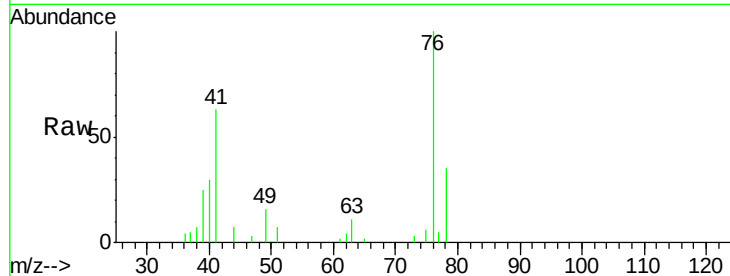
#57
 1,3-Dichloropropane
 Concen: 4.367 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065663.D
 Acq: 22 Apr 2020 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 12895
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.9 38.9

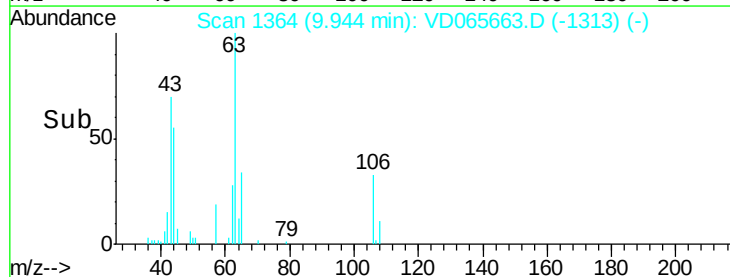
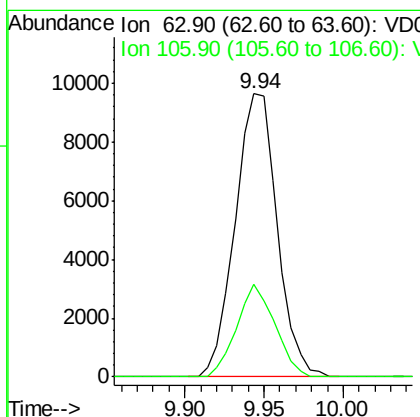
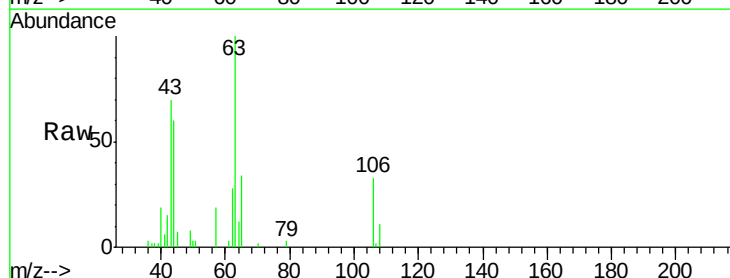
Manual Integrations
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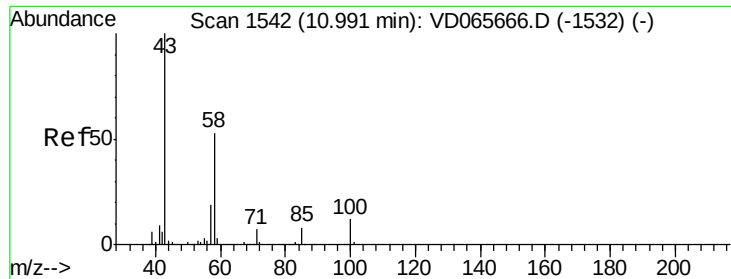
MMDadoda
 4/23/2020 1:31:35 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 18.186 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD065663.D
 Acq: 22 Apr 2020 13:14

Tgt Ion: 63 Resp: 17718
 Ion Ratio Lower Upper
 63 100
 106 29.6 23.7 35.5





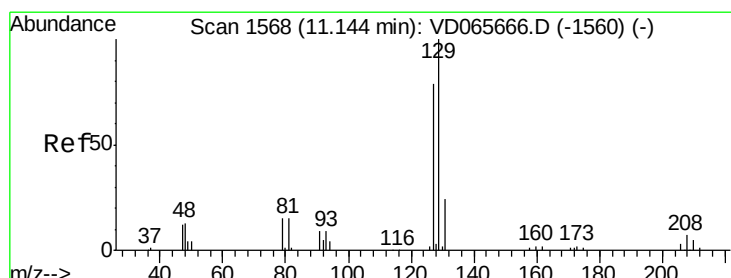
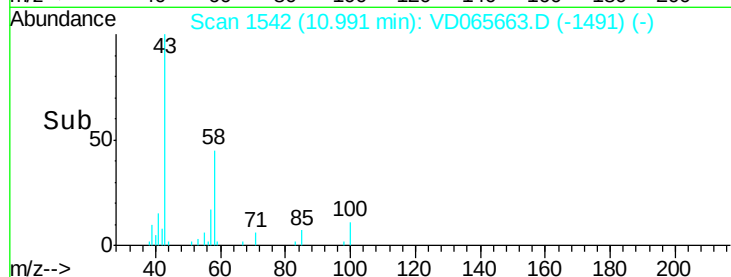
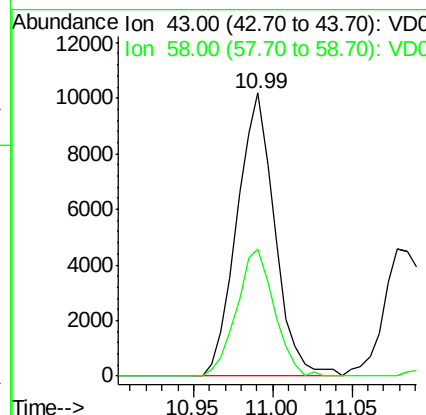
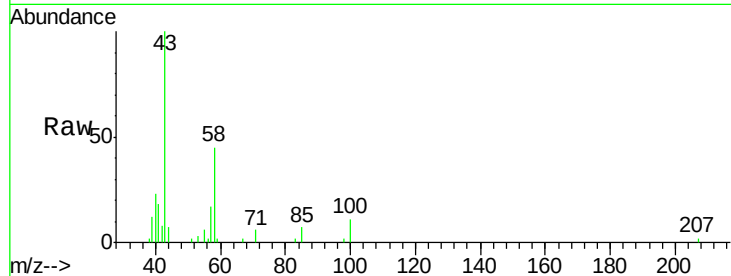
#59
2-Hexanone
Concen: 19.445 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 16797
Ion Ratio Lower Upper
43 100
58 44.6 26.3 78.9

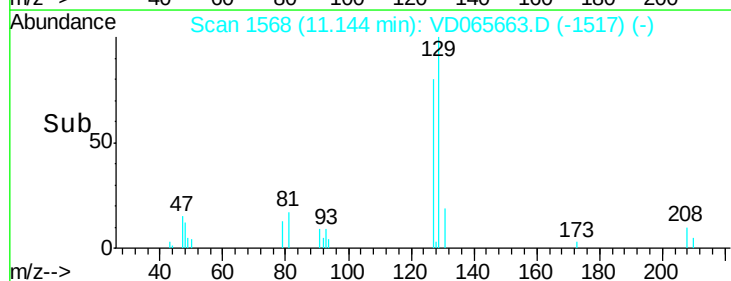
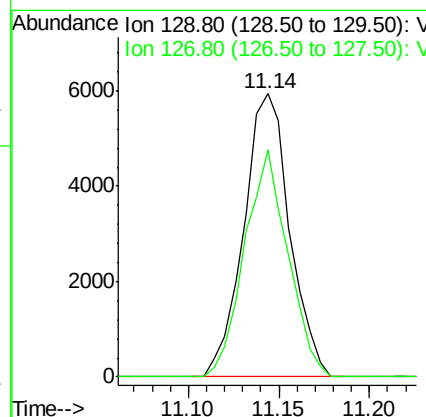
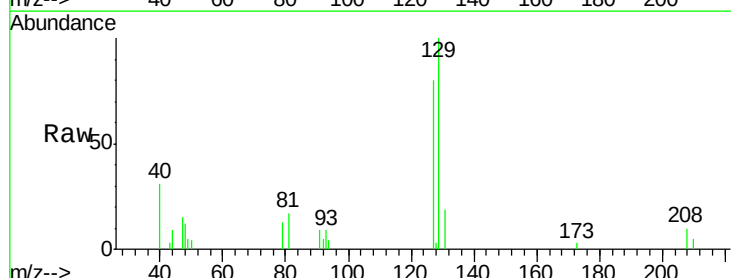
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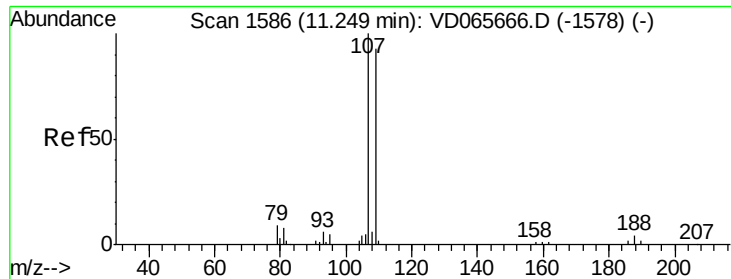
MMDadoda
4/23/2020 1:31:35 PM



#60
Dibromochloromethane
Concen: 4.534 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:14

Tgt Ion: 129 Resp: 10468
Ion Ratio Lower Upper
129 100
127 75.3 38.5 115.5





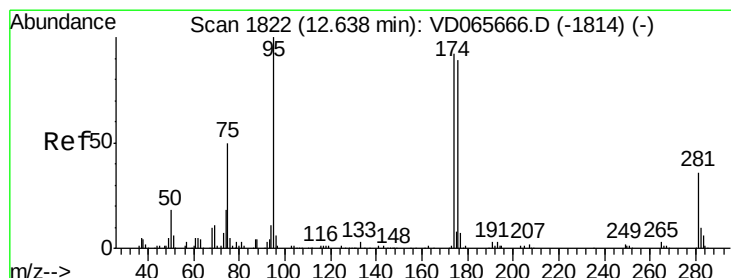
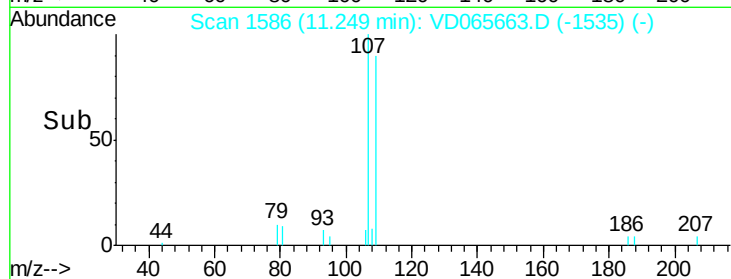
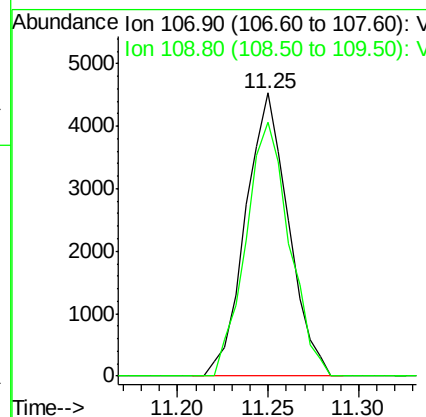
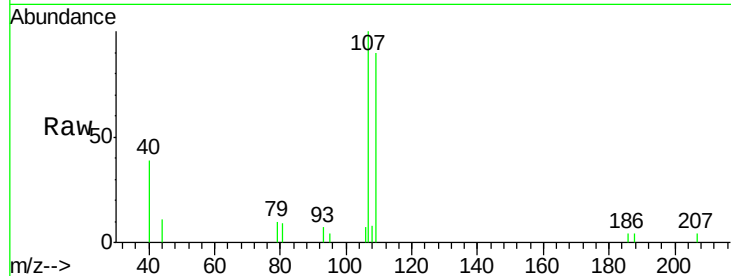
#61
 1,2-Dibromoethane
 Concen: 4.499 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065663.D
 Acq: 22 Apr 2020 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.0	76.4	114.6

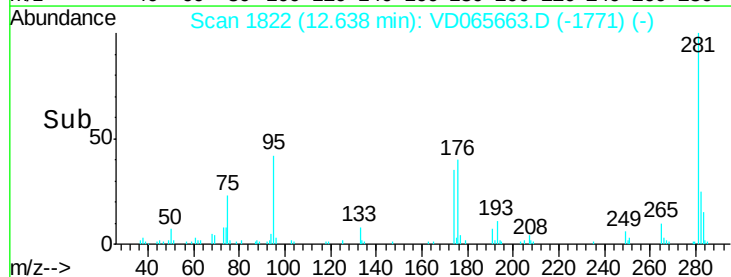
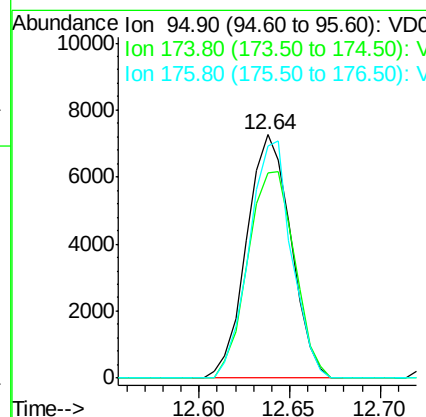
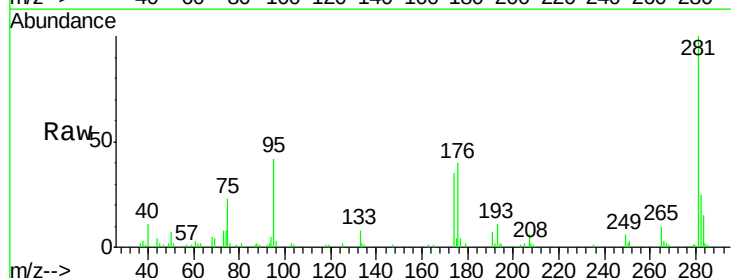
Manual Integrations
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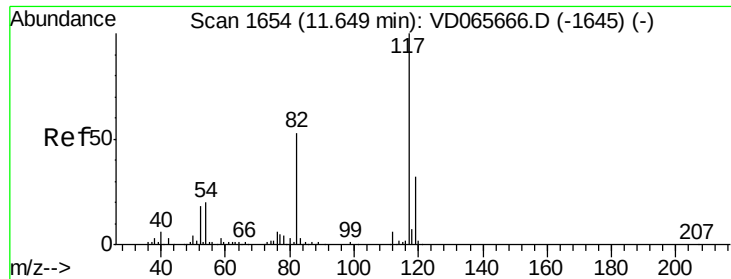
MMDadoda
 4/23/2020 1:31:35 PM



#62
 4-Bromofluorobenzene
 Concen: 4.686 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065663.D
 Acq: 22 Apr 2020 13:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.8	0.0	186.4
176	93.3	0.0	178.4





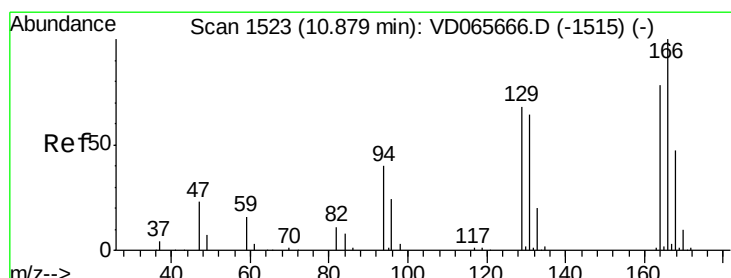
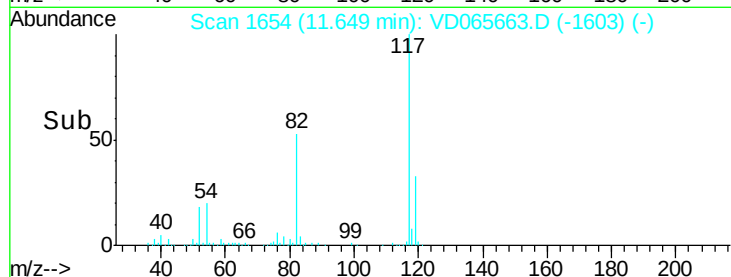
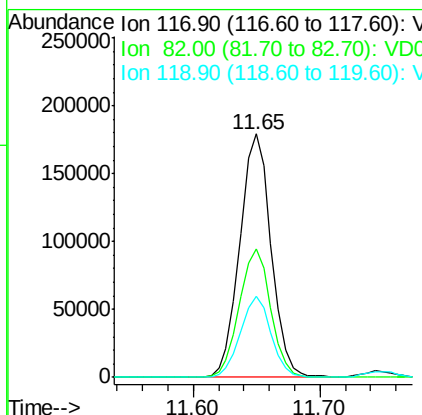
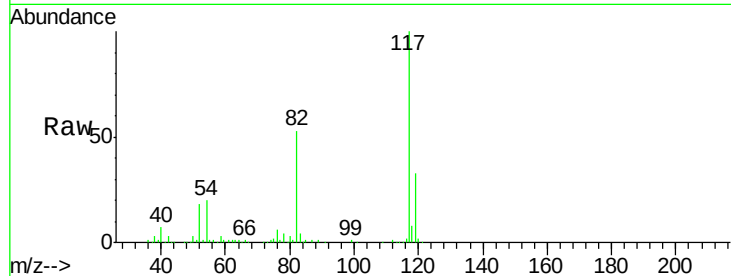
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.7	64.1
119	33.0	25.9	38.9

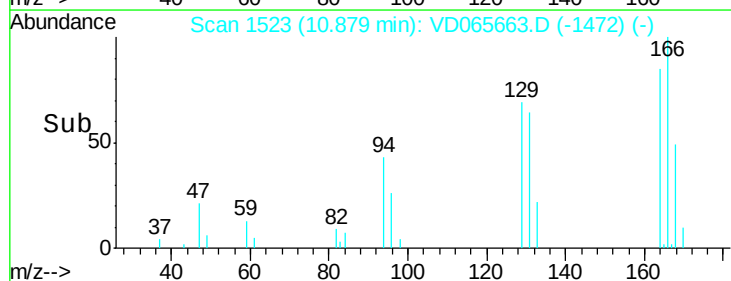
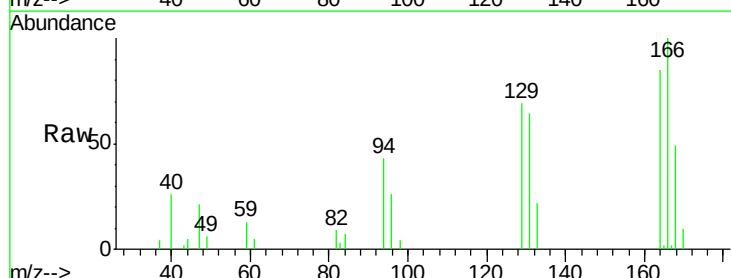
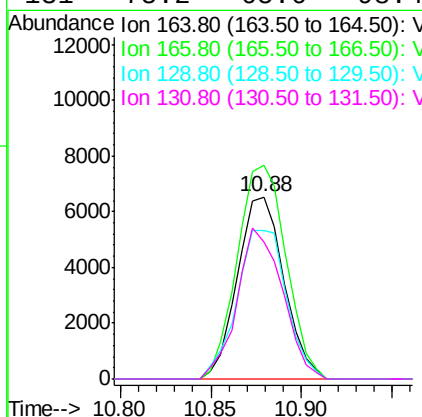
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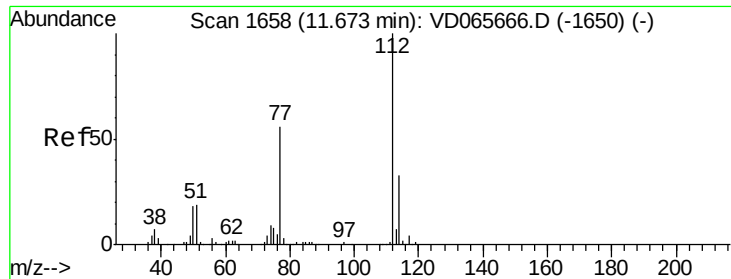
MMDadoda
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#64
Tetrachloroethene
Concen: 5.382 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	117.5	102.0	153.0
129	81.6	69.3	103.9
131	75.2	65.6	98.4





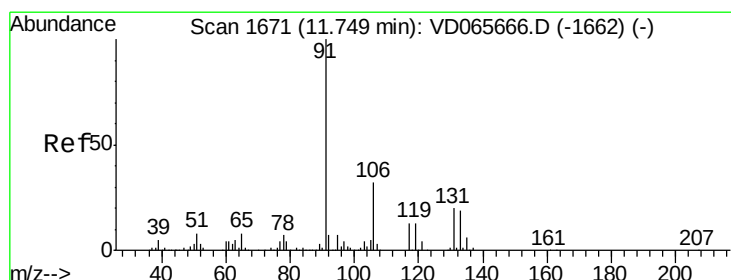
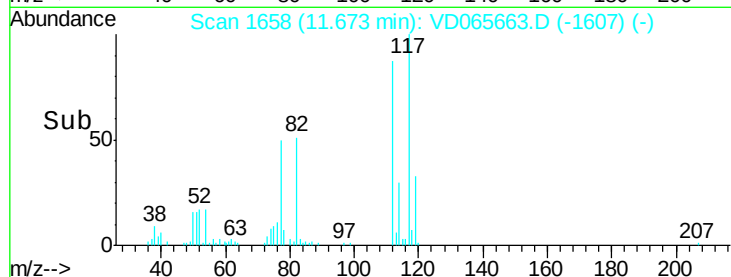
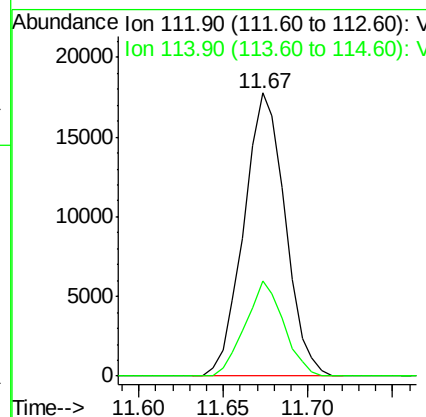
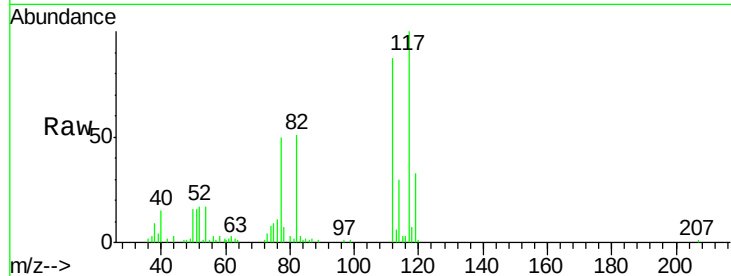
#65
Chlorobenzene
Concen: 5.033 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.8	26.2	39.2

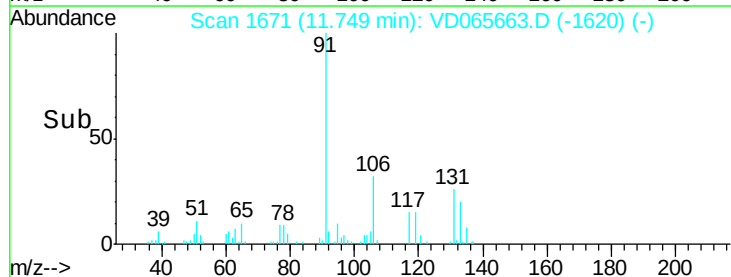
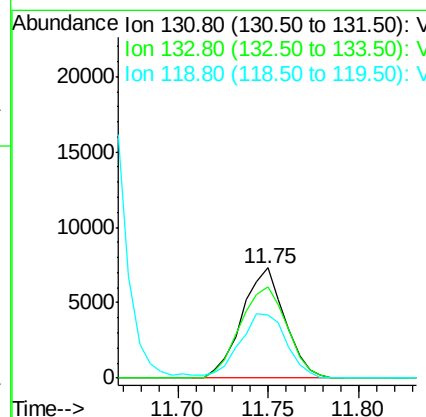
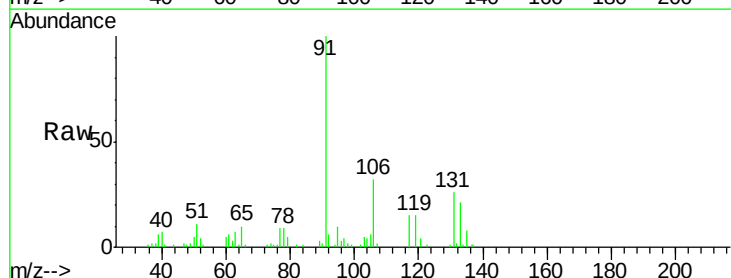
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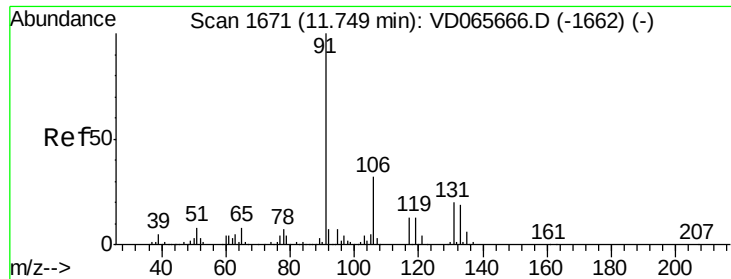
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 5.297 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:14

Tgt Ion	Ratio	Lower	Upper
131	100		
133	90.3	48.6	145.8
119	63.0	32.3	96.9





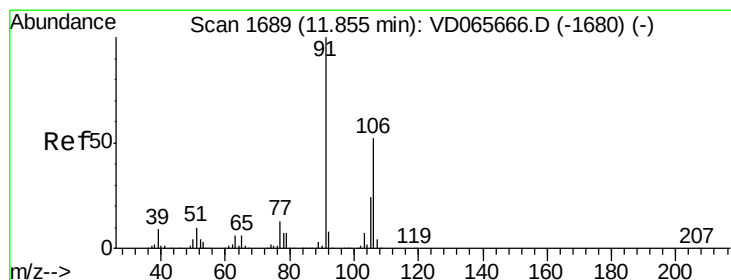
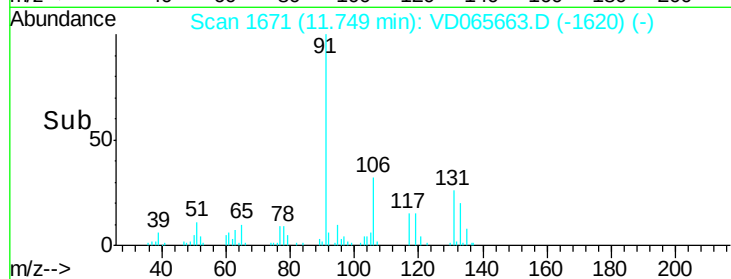
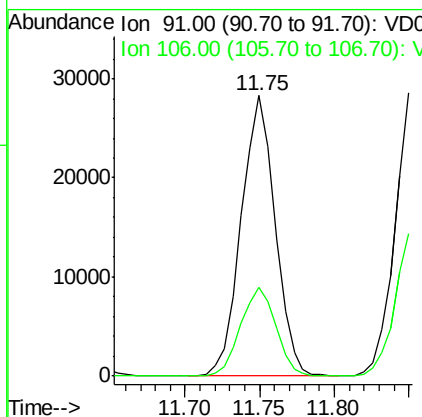
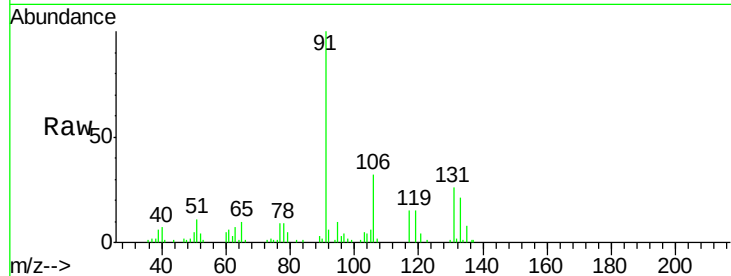
#67
Ethyl Benzene
Concen: 4.406 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 44754
Ion Ratio Lower Upper
91 100
106 31.7 25.3 37.9

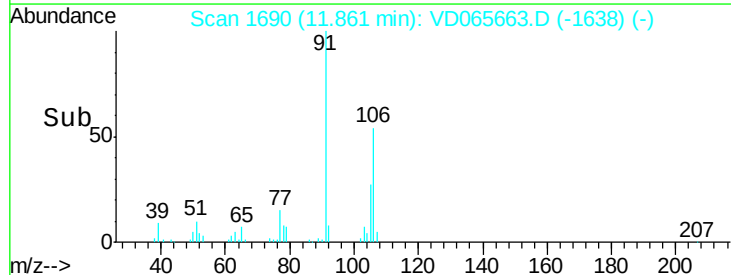
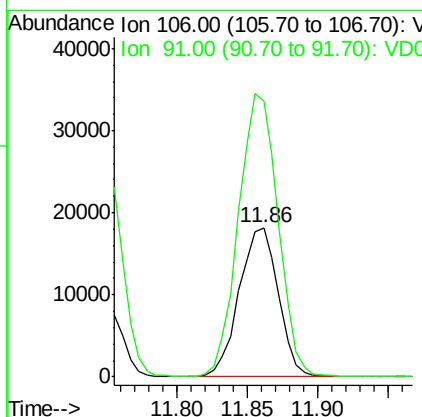
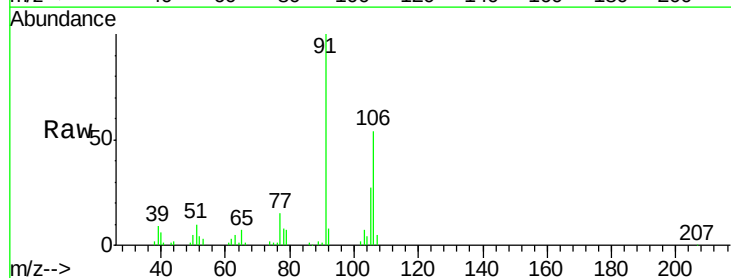
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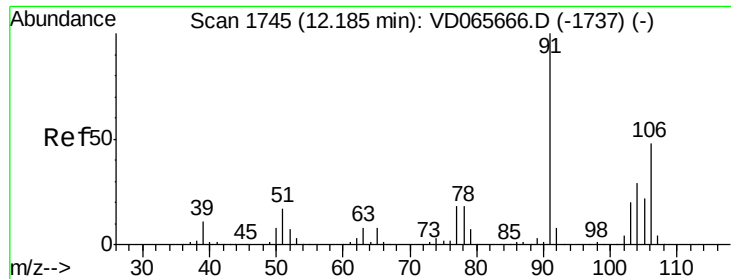
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#68
m/p-Xylenes
Concen: 8.881 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:14

Tgt Ion: 106 Resp: 35267
Ion Ratio Lower Upper
106 100
91 192.4 155.8 233.6





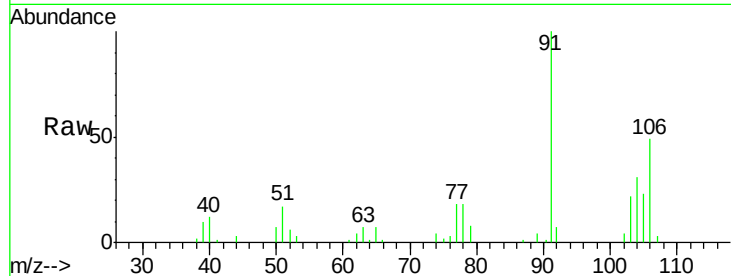
#69
o-Xylene
Concen: 4.298 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

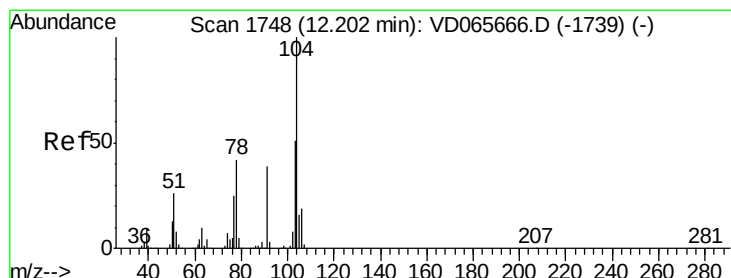
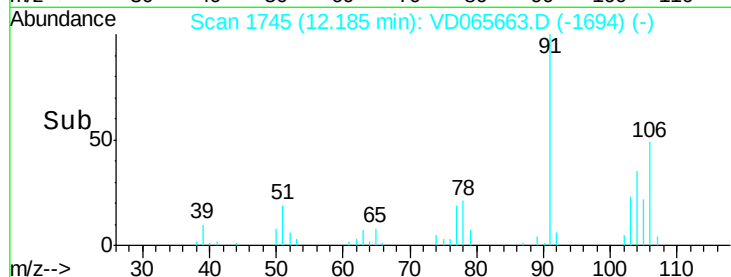
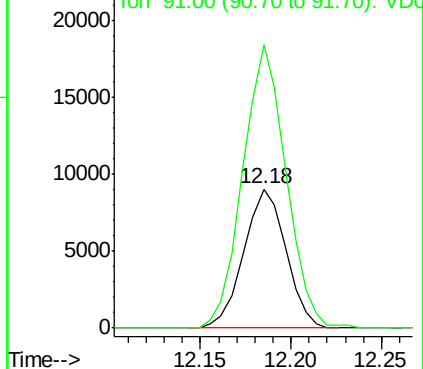
Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		14600		
91	209.1	103.6	310.9		

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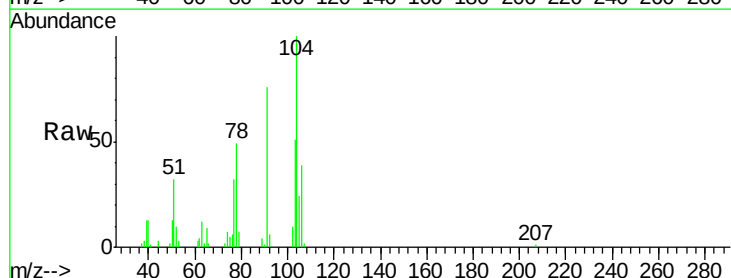


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

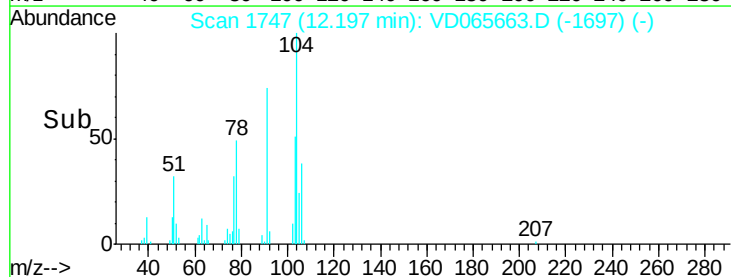
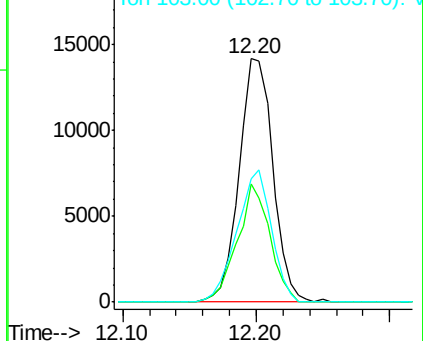


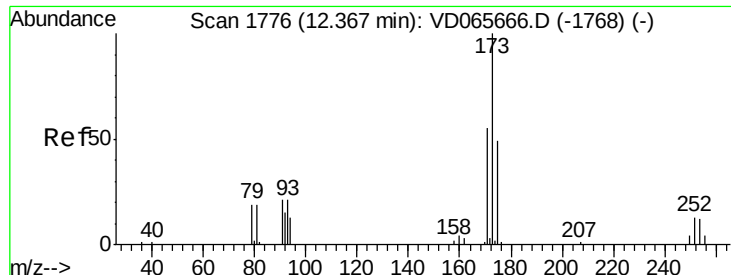
#70
Styrene
Concen: 4.076 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		24921		
78	46.5	37.4	56.0		
103	55.3	43.6	65.4		



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





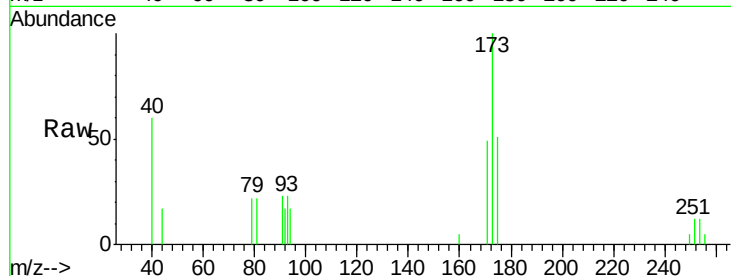
#71
Bromoform
Concen: 4.976 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

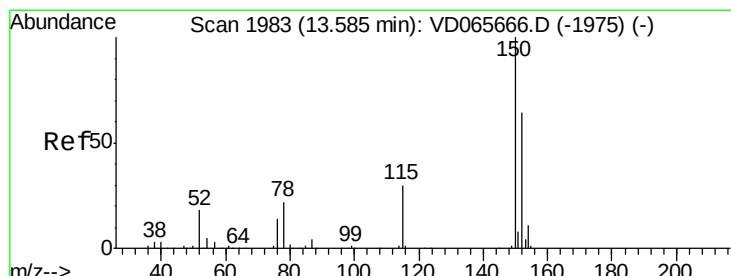
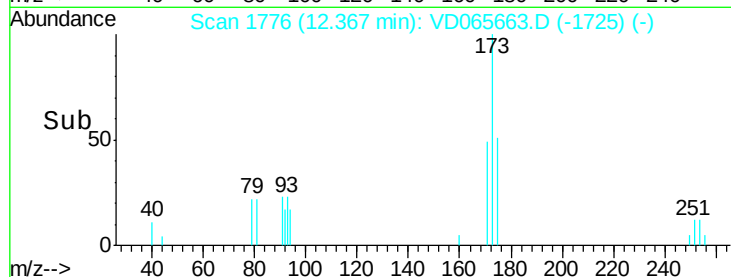
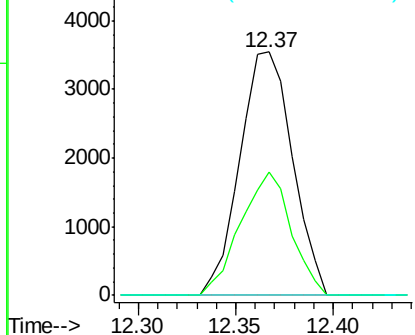
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	23.9	71.7
254	0.0	0.0	0.0

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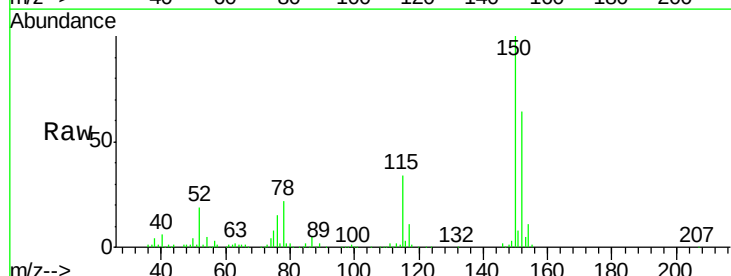


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

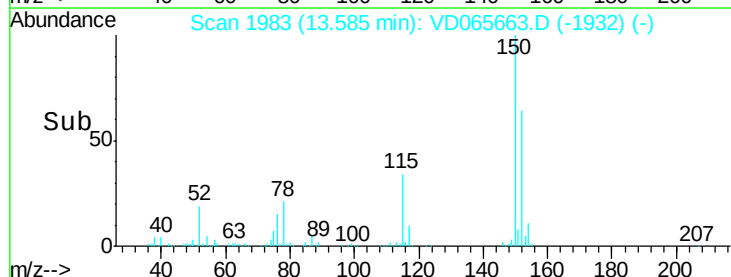
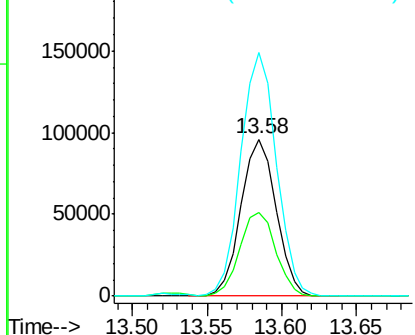


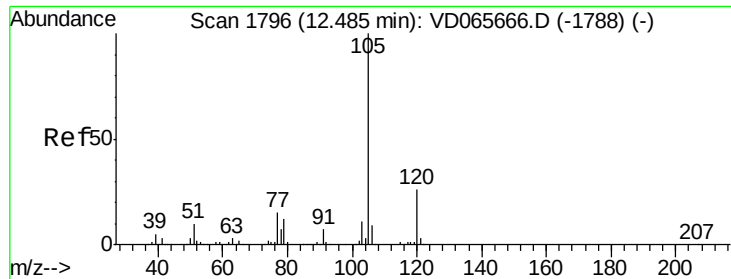
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.4	27.4	82.0
150	157.1	0.0	339.0



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





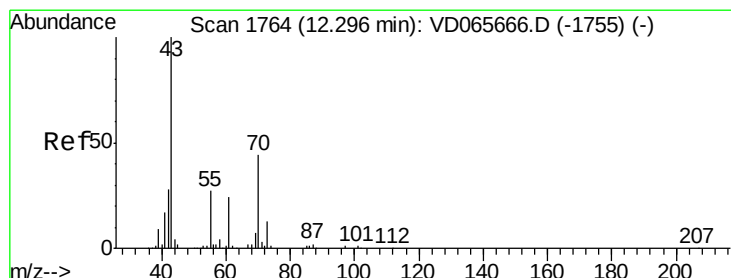
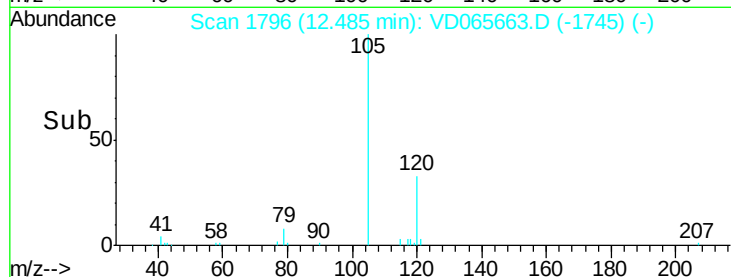
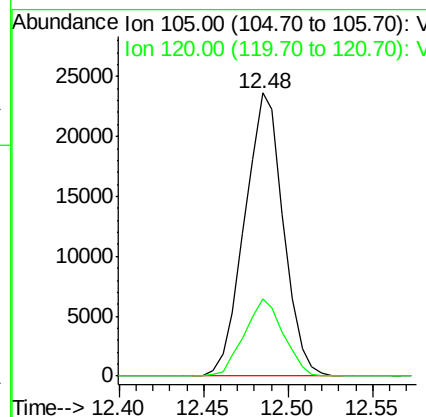
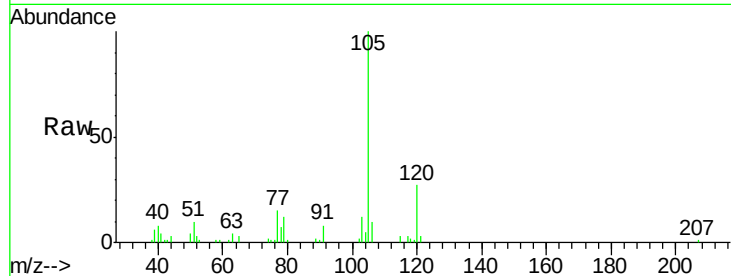
#73
Isopropylbenzene
Concen: 4.067 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.5	13.4	40.2

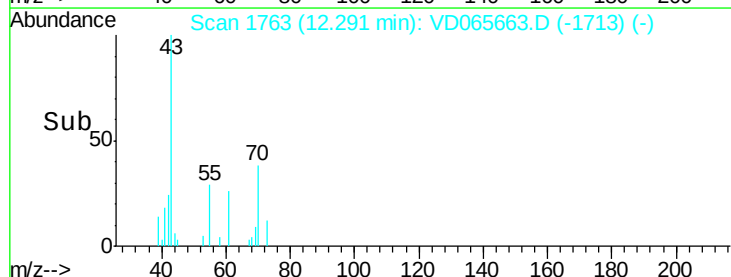
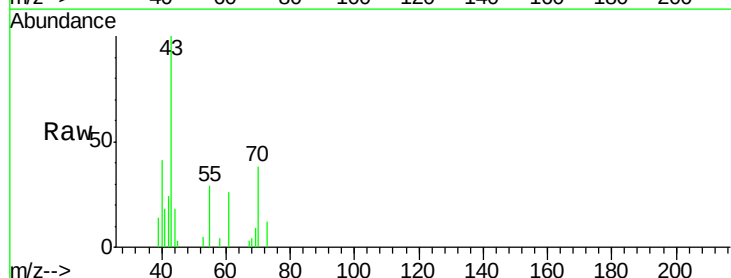
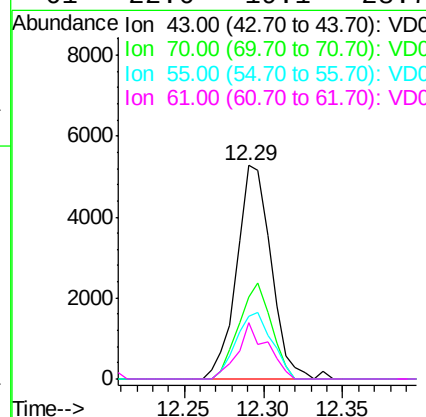
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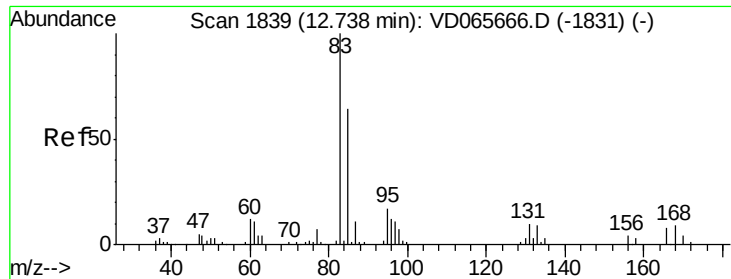
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#74
N-ethyl acetate
Concen: 3.916 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:14

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.1	34.6	51.8
55	32.1	22.3	33.5
61	22.6	19.1	28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 4.812 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:14

Instrument :

MSVOA_D

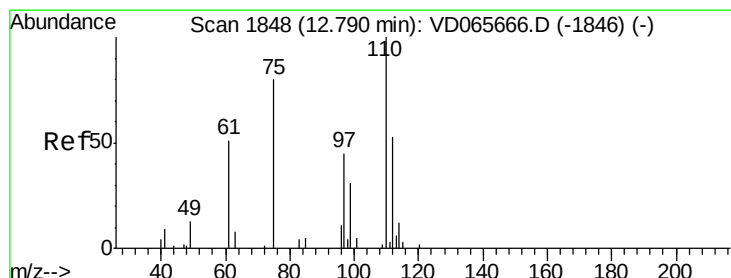
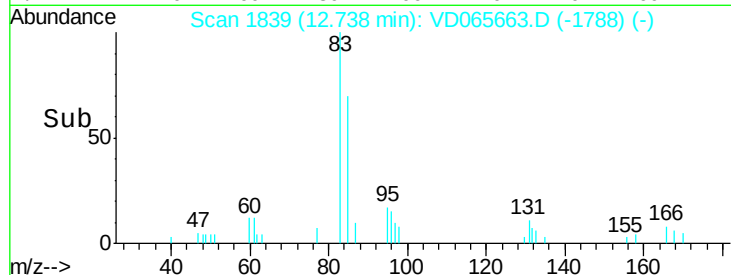
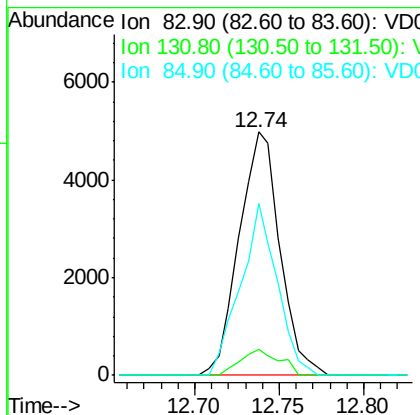
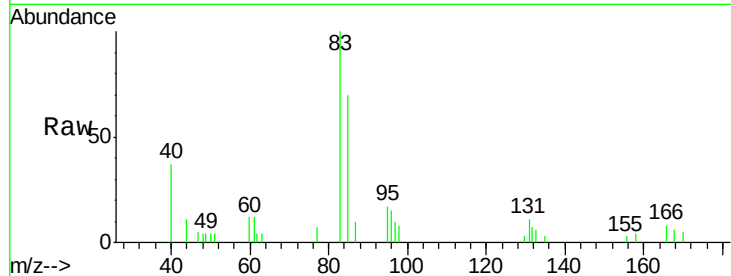
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	8370
Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.7	17.1
85	63.8	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 4.281 ug/l m

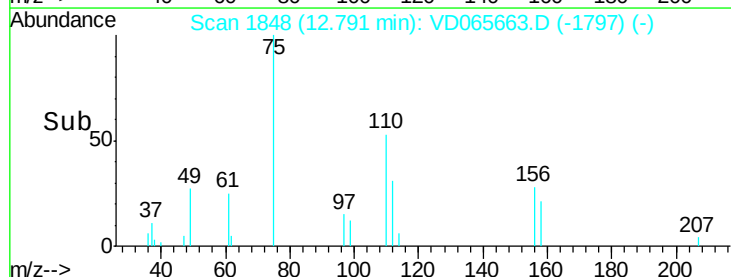
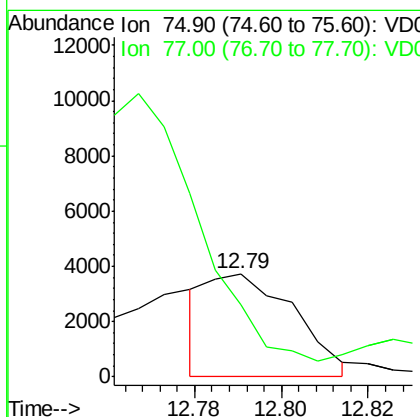
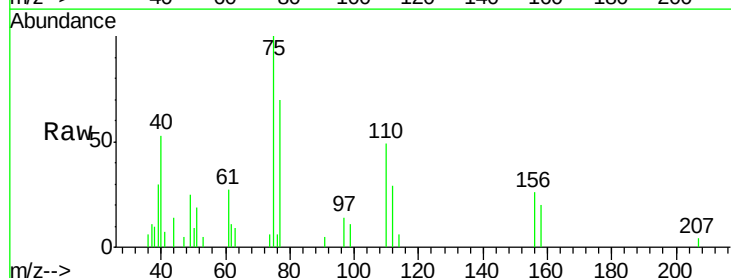
RT: 12.79 min Scan# 1848

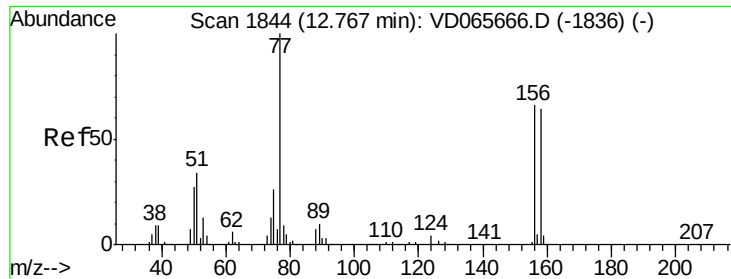
Delta R.T. 0.00 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:14

Tgt Ion:	75	Resp:	5190
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 4.829 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:14

Instrument :

MSVOA_D

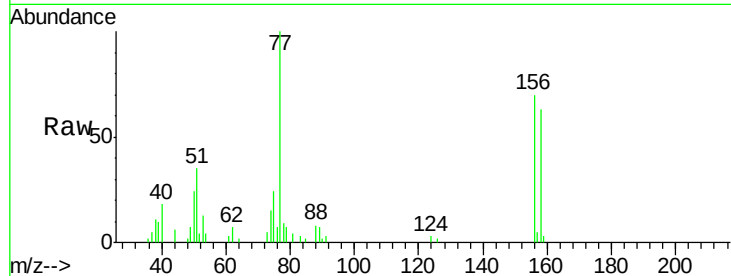
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	166.8	85.8	257.3
158	94.9	49.9	149.6

Manual Integrations
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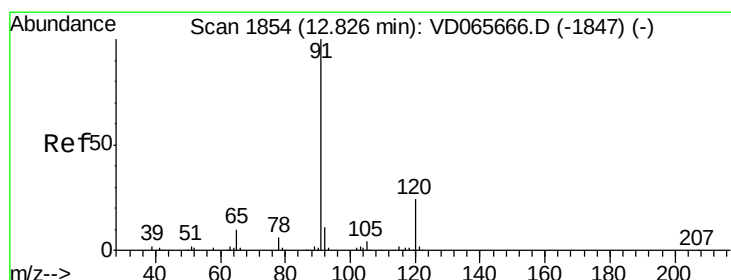
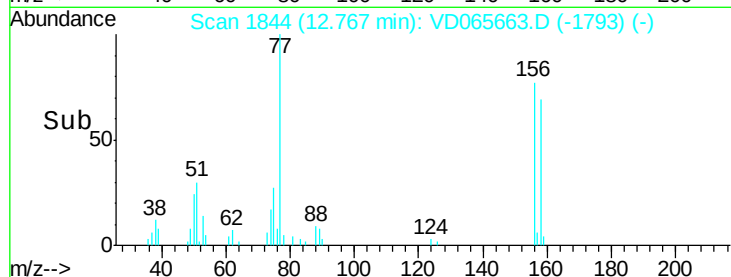
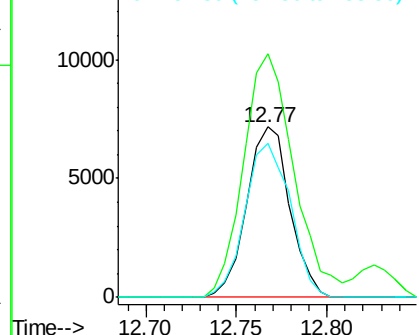
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.363 ug/l

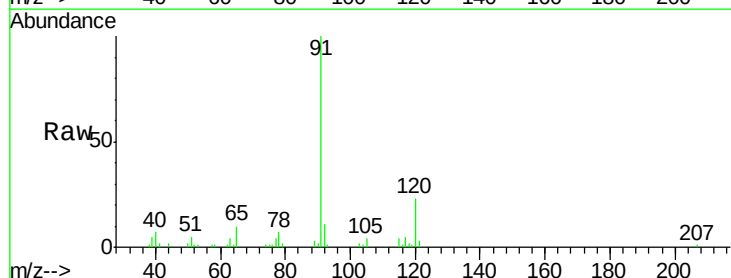
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065663.D

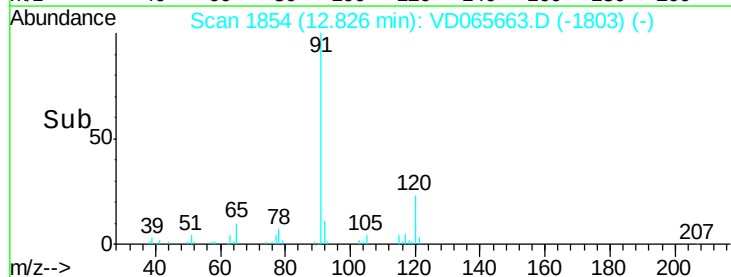
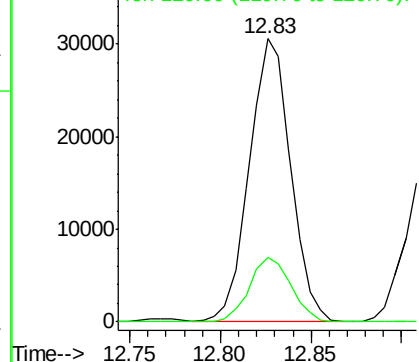
Acq: 22 Apr 2020 13:14

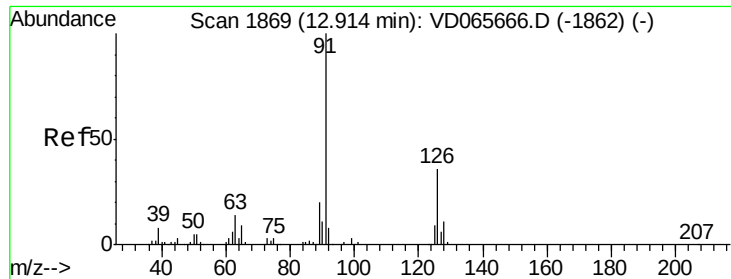
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.9	35.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.536 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 28640

Ion Ratio Lower Upper

91 100

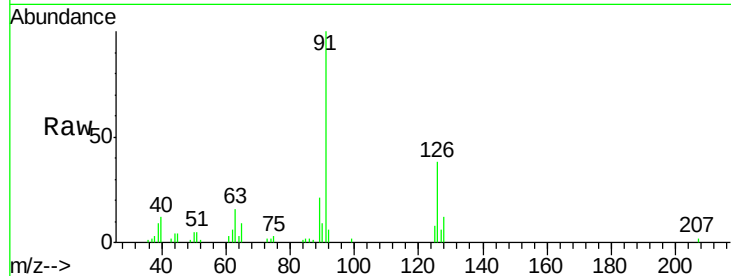
126 37.2 17.8 53.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VD065666.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065666.D (-1862) (-)

20000

15000

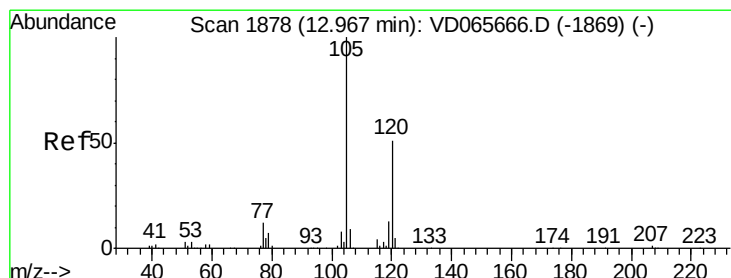
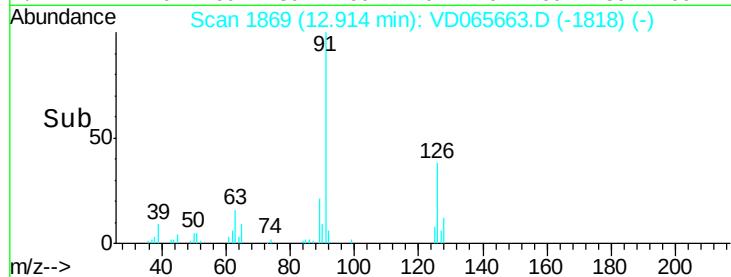
10000

5000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 4.116 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065663.D

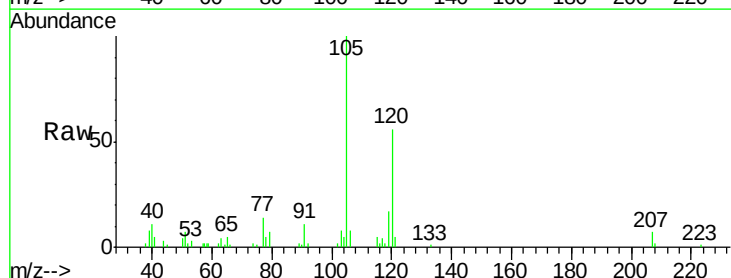
Acq: 22 Apr 2020 13:14

Tgt Ion:105 Resp: 32015

Ion Ratio Lower Upper

105 100

120 52.3 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): VD065666.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD065666.D (-1869) (-)

20000

15000

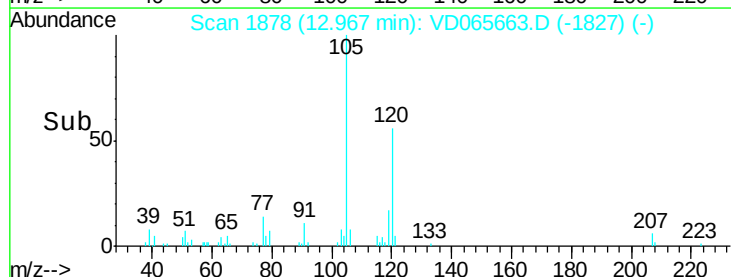
10000

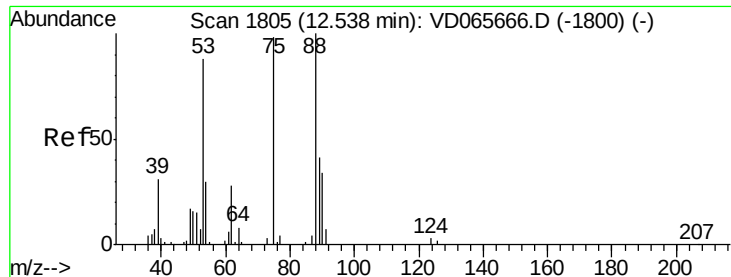
5000

0

12.90 12.95 13.00

Time-->





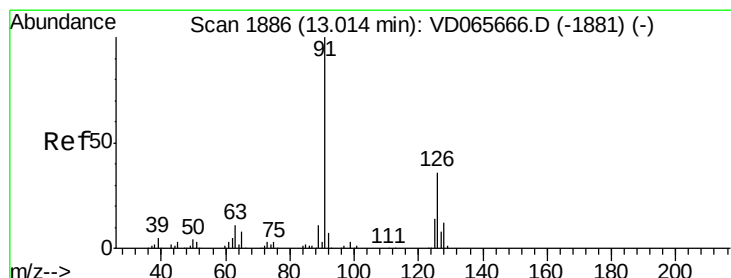
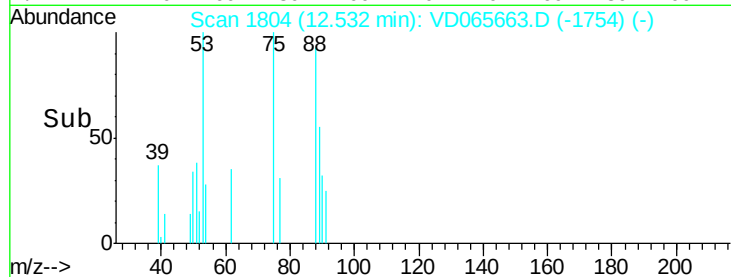
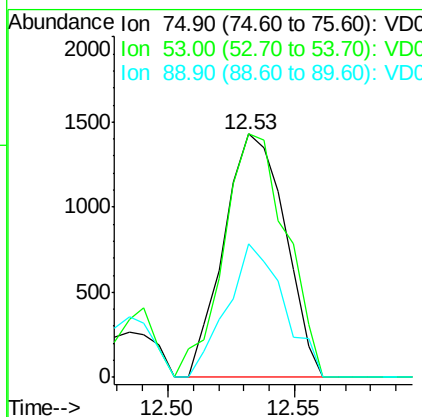
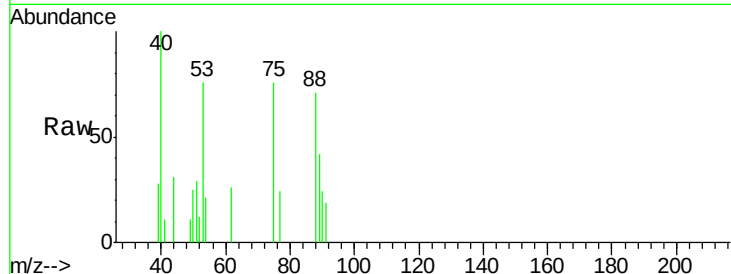
#81
trans-1,4-Dichloro-2-butene
Concen: 4.121 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.01 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.5	76.5	114.7
89	51.0	35.0	52.6

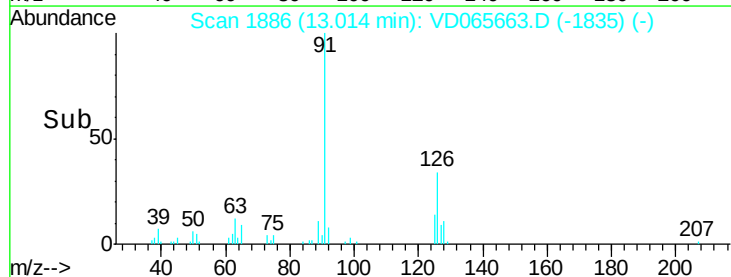
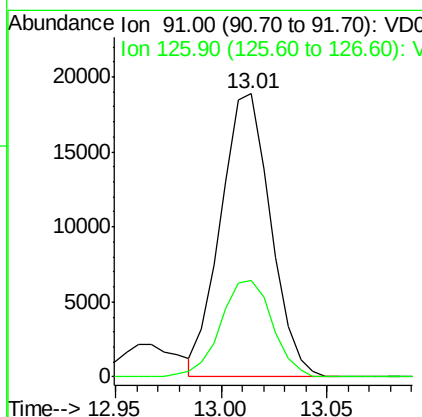
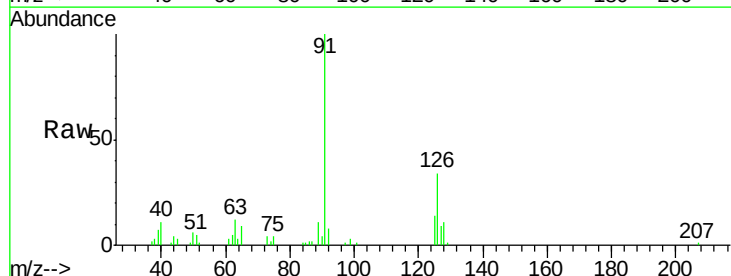
Manual Integrations
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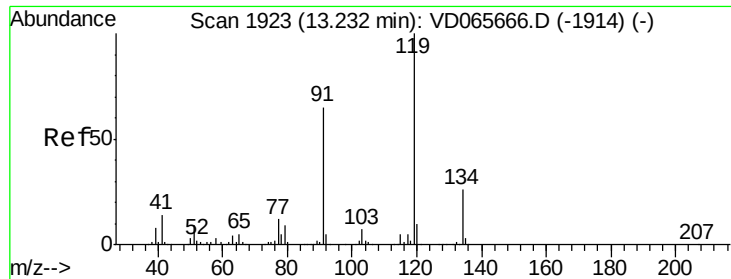
MMDadoda
4/23/2020 1:31:35 PM



#82
4-Chlorotoluene
Concen: 4.556 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.7	53.1





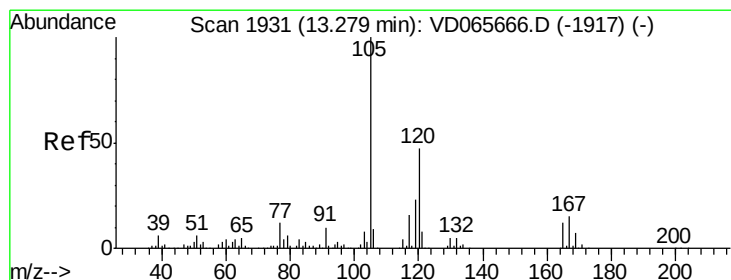
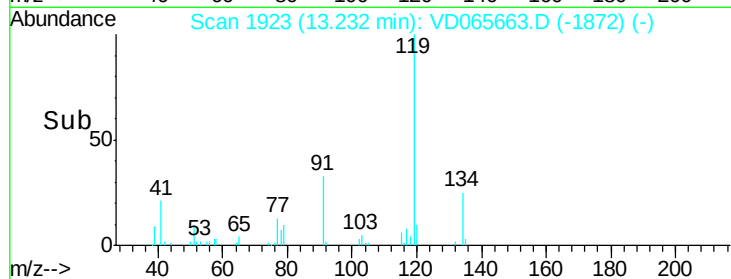
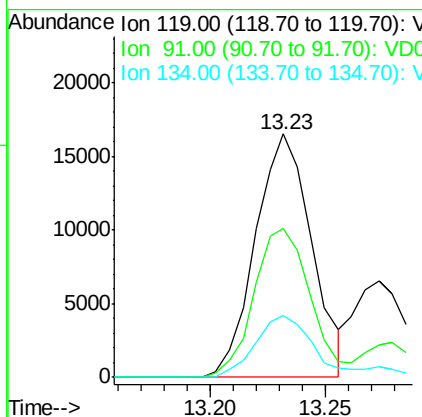
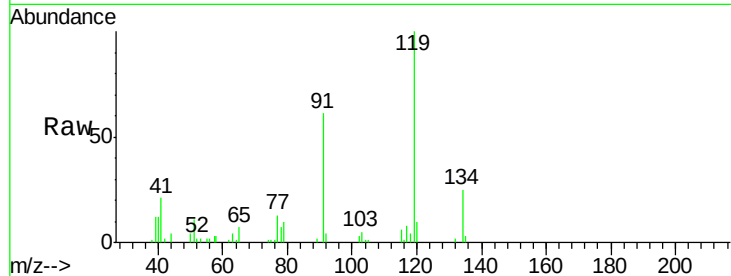
#83
 tert-Butylbenzene
 Concen: 4.322 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065663.D
 Acq: 22 Apr 2020 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.7	31.9	95.7
134	25.6	14.1	42.3

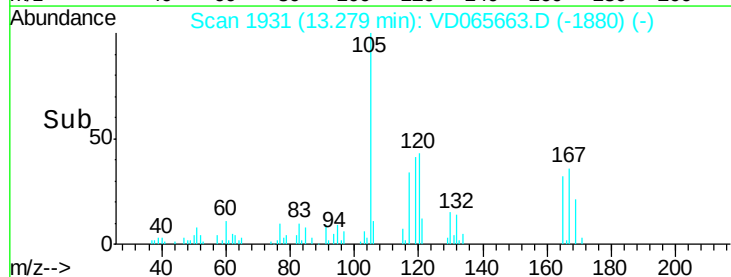
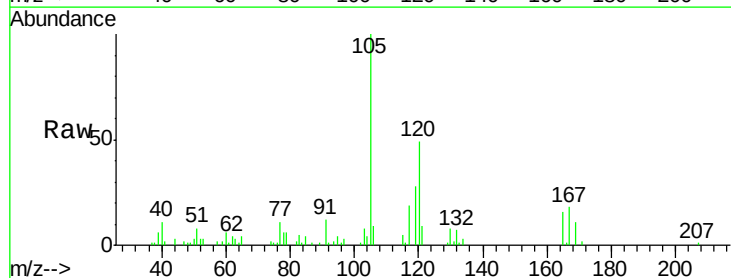
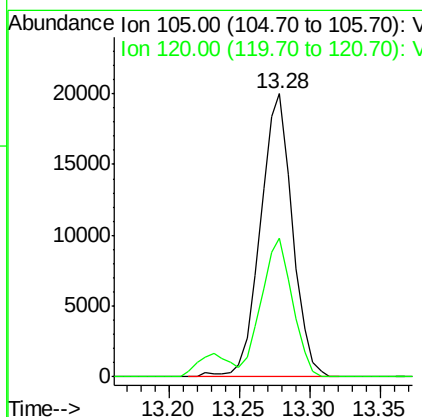
Manual Integrations
 APPROVED

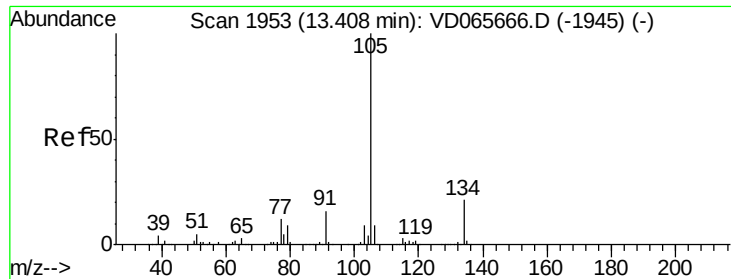
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#84
 1,2,4-Trimethylbenzene
 Concen: 4.099 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD065663.D
 Acq: 22 Apr 2020 13:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.5	70.6





#85

sec-Butylbenzene

Concen: 4.310 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.01 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 40164

Ion Ratio Lower Upper

105 100

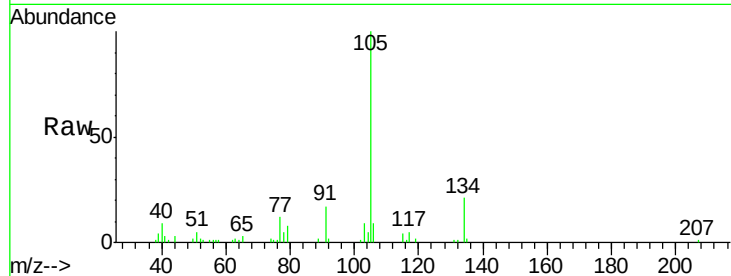
134 20.8 10.5 31.5

Manual Integrations

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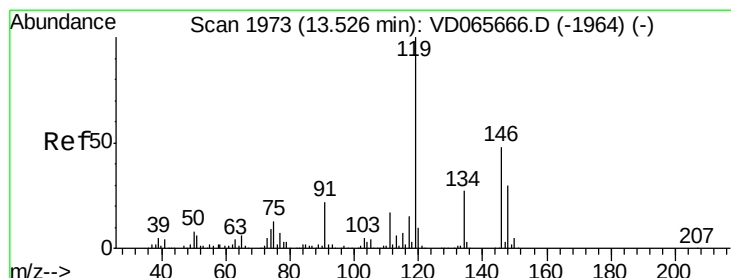
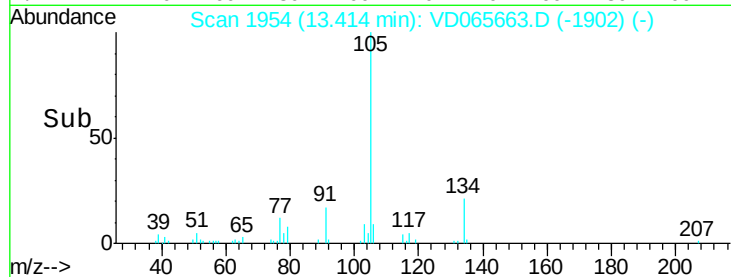
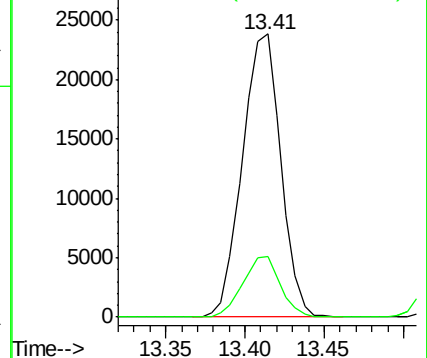
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.099 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065663.D

Acq: 22 Apr 2020 13:14

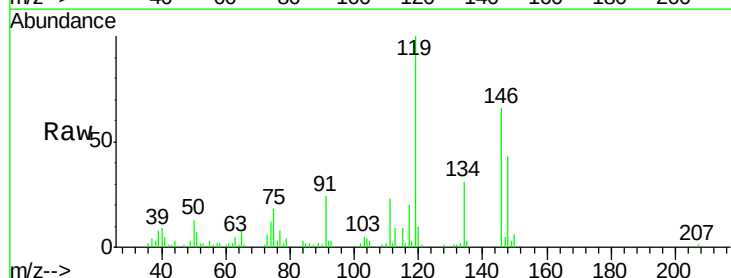
Tgt Ion:119 Resp: 35160

Ion Ratio Lower Upper

119 100

134 27.9 13.4 40.2

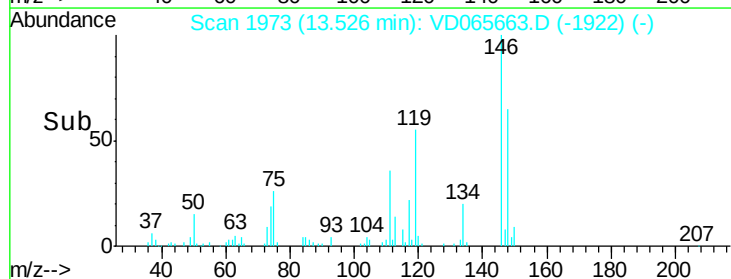
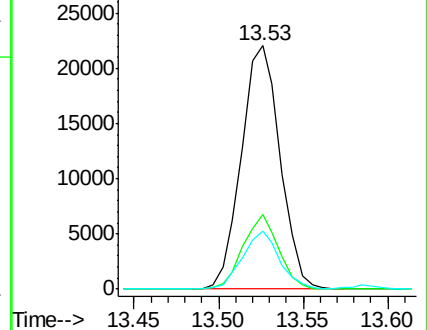
91 22.8 10.9 32.7

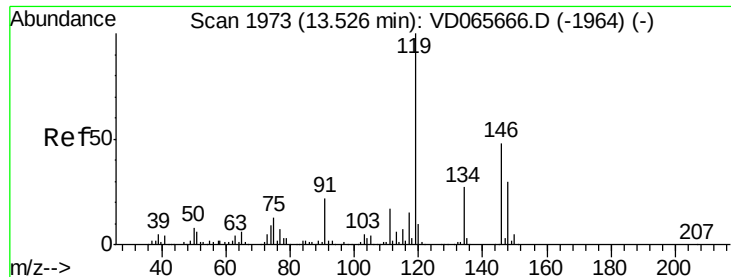


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





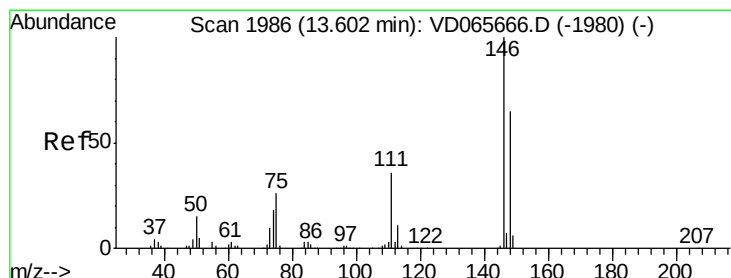
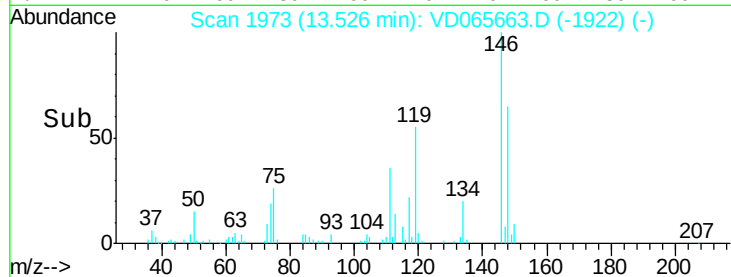
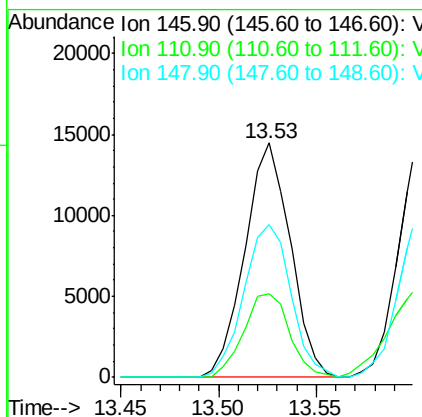
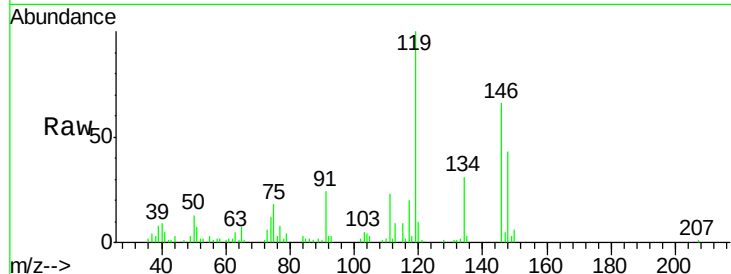
#87
 1,3-Dichlorobenzene
 Concen: 4.894 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065663.D
 Acq: 22 Apr 2020 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.6	56.0
148	67.3	31.9	95.9

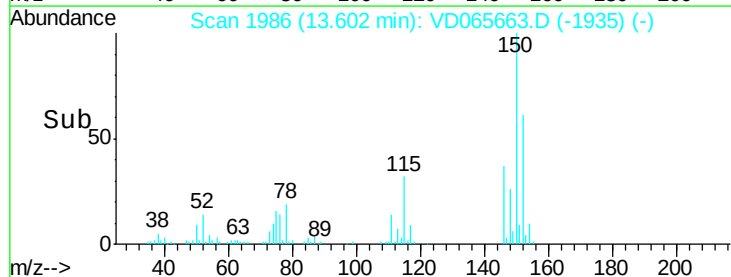
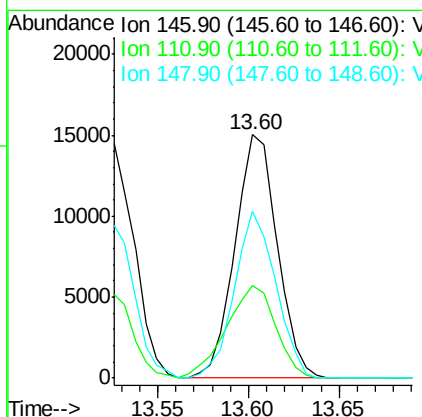
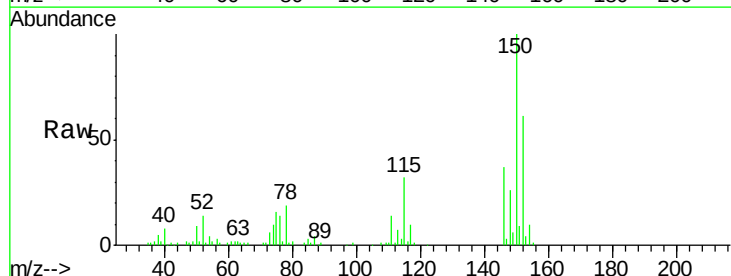
Manual Integrations
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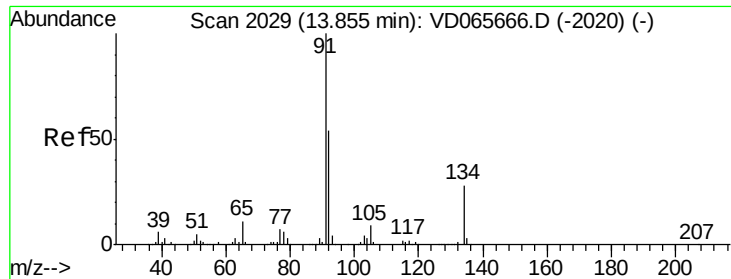
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 4/23/2020 1:31:35 PM



#88
 1,4-Dichlorobenzene
 Concen: 5.046 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065663.D
 Acq: 22 Apr 2020 13:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.2	18.1	54.1
148	67.0	31.9	95.5





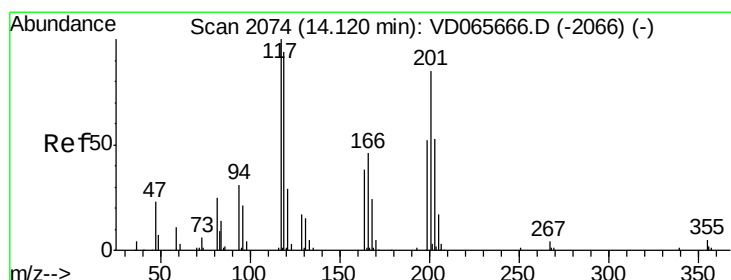
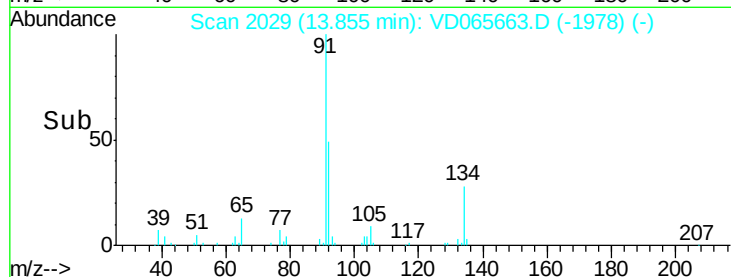
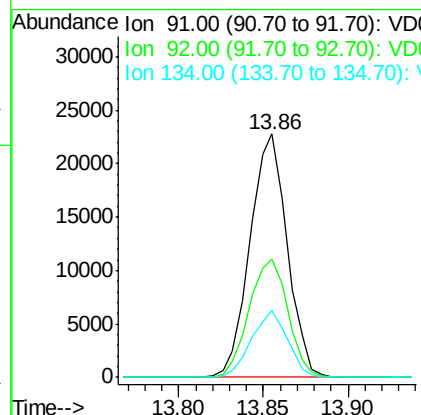
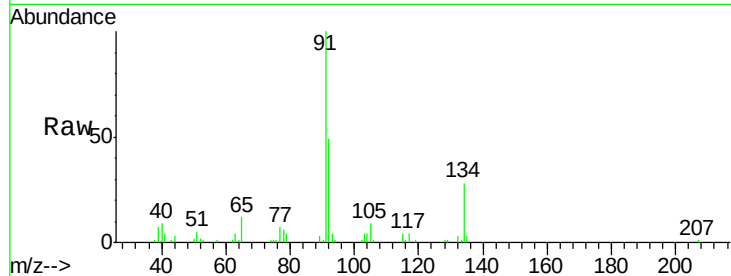
#89
n-Butylbenzene
Concen: 4.505 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.8	27.1	81.2
134	26.7	13.7	41.0

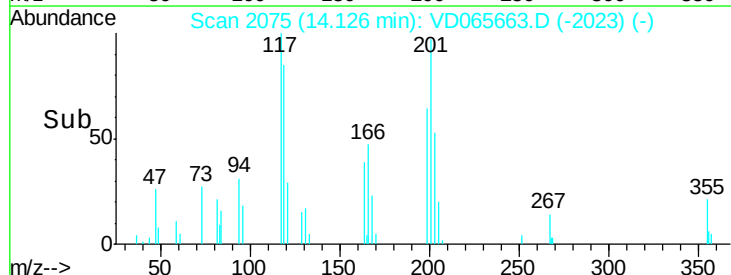
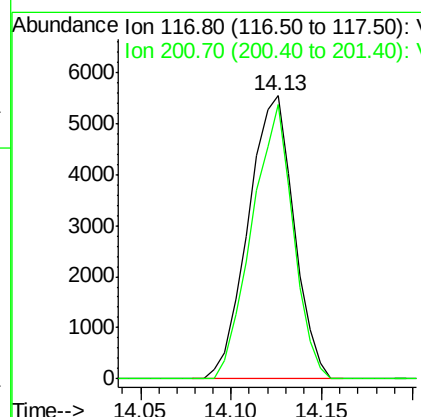
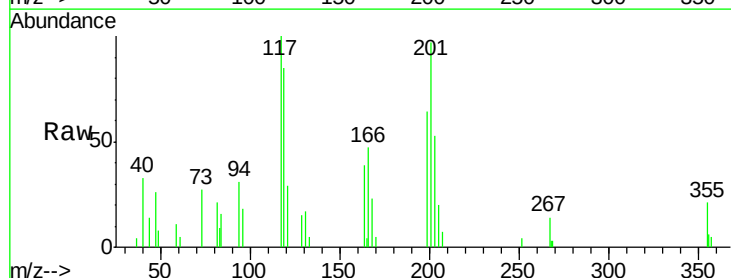
Manual Integrations
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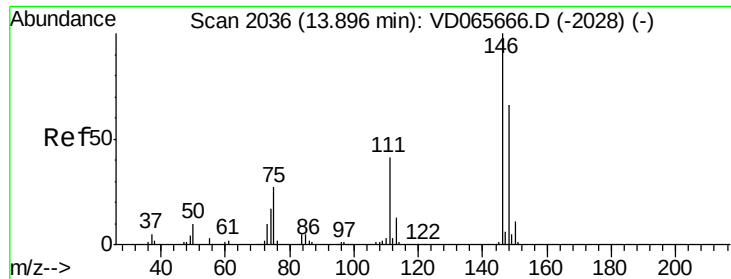
MMDadoda
4/23/2020 1:31:35 PM



#90
Hexachloroethane
Concen: 5.282 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.3	44.6	134.0





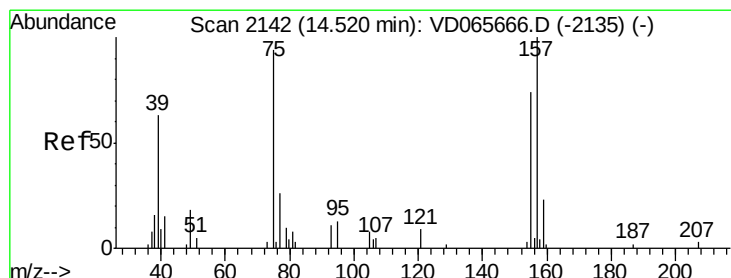
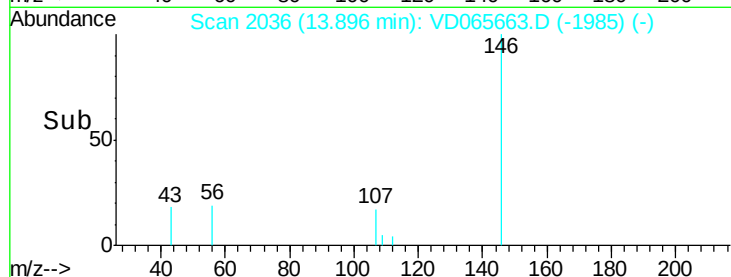
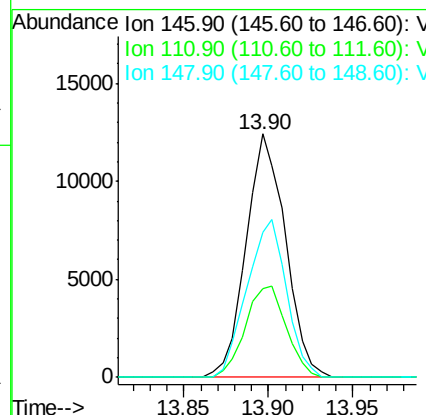
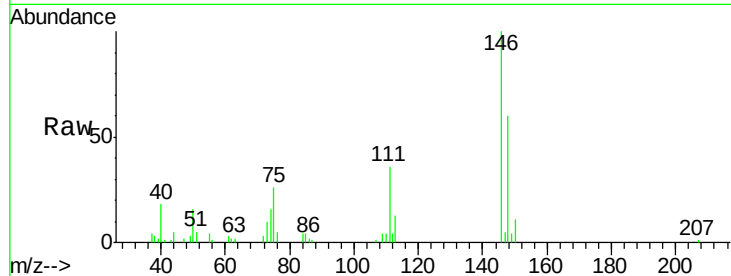
#91
 1,2-Dichlorobenzene
 Concen: 4.862 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD065663.D
 Acq: 22 Apr 2020 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.4	58.1
148	65.1	32.2	96.6

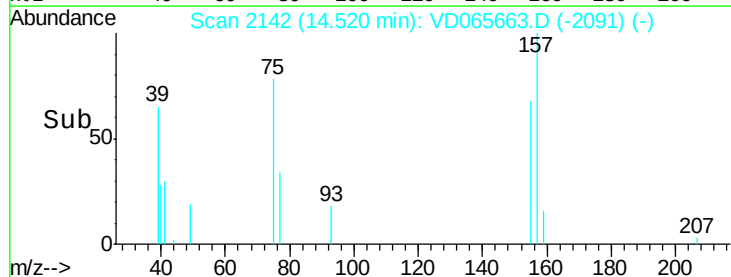
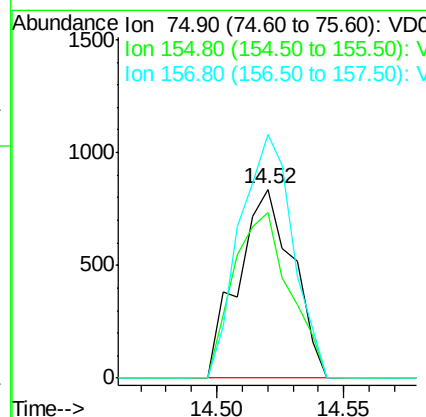
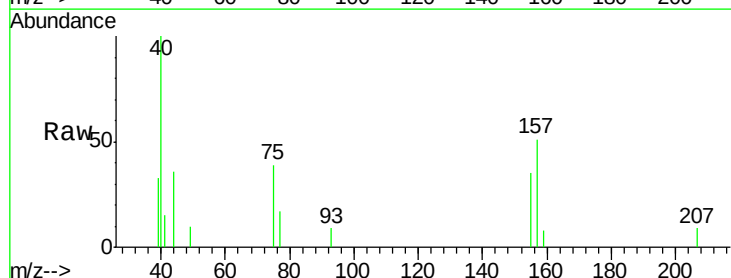
Manual Integrations
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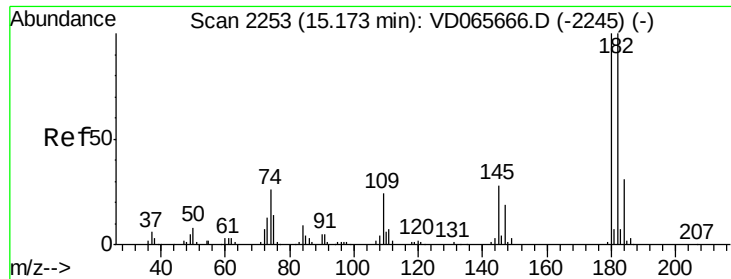
MMDadoda
 4/23/2020 1:31:35 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.614 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065663.D
 Acq: 22 Apr 2020 13:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.9	40.6	122.0
157	125.4	52.8	158.5





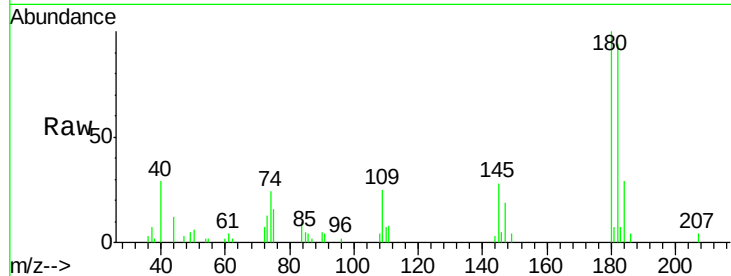
#93
 1,2,4-Trichlorobenzene
 Concen: 4.614 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065663.D
 Acq: 22 Apr 2020 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

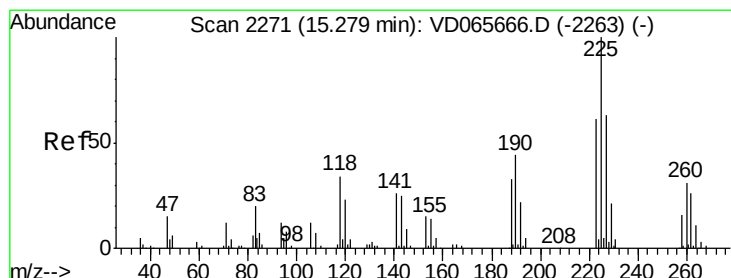
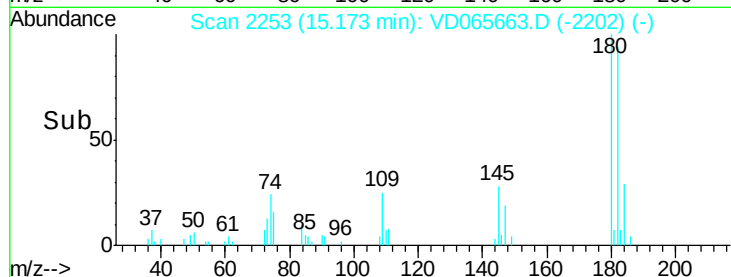
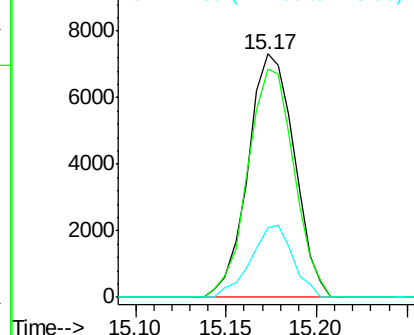
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.4	142.2
145	26.8	14.1	42.4

Manual Integrations
 APPROVED

MMDadoda
 4/23/2020 1:31:35 PM

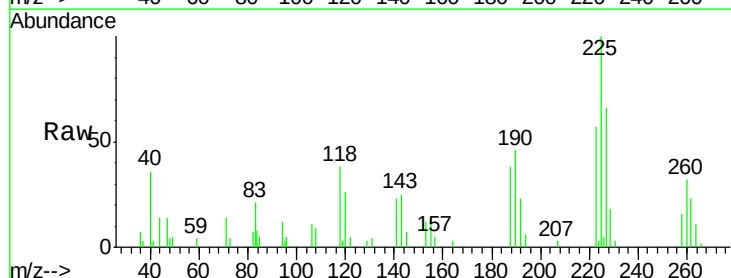


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

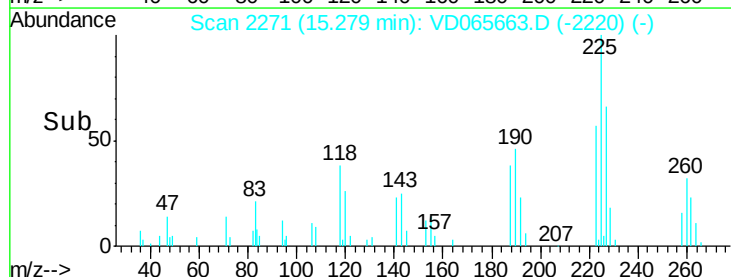
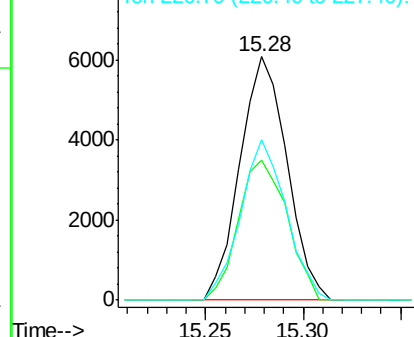


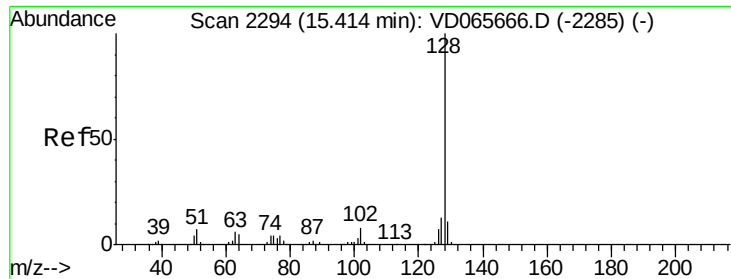
#94
 Hexachlorobutadiene
 Concen: 5.273 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065663.D
 Acq: 22 Apr 2020 13:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.4	30.8	92.4
227	63.8	32.1	96.5



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





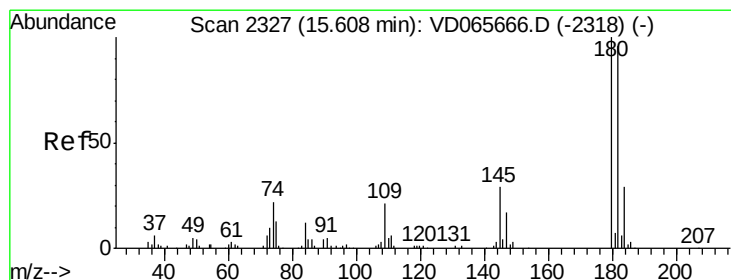
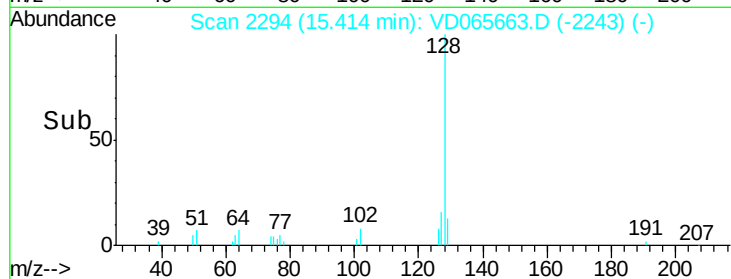
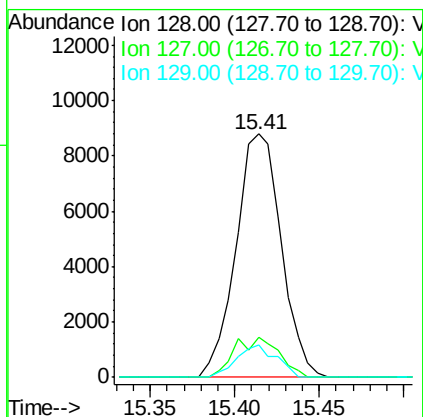
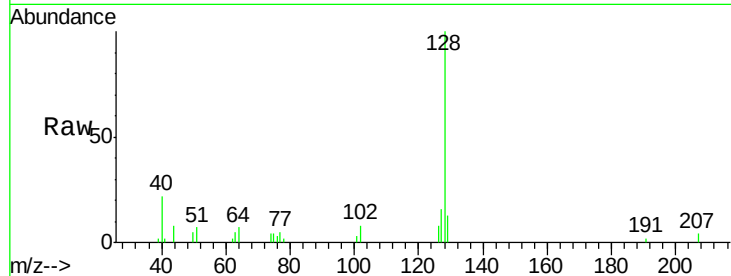
#95
Naphthalene
Concen: 3.776 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	16.3	10.6	15.8#
129	11.6	8.6	12.8

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 4.560 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065663.D
Acq: 22 Apr 2020 13:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.4	142.3
145	26.5	14.6	44.0

