

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX043018\
 Data File : VX001257.D
 Acq On : 30 Apr 2018 11:27
 Operator : JC/MD
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 5/2/2018 11:08:03 AM

Quant Time: Apr 30 13:13:29 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X043018W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Apr 30 12:56:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	38663	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	216110	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	203982	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	84606	28.27	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	94.23%
60) 4-Bromofluorobenzene	11.14	95	103142	30.91	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	103.03%
63) Toluene-d8	8.72	98	259622	29.71	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.03%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	132433	55.19	ug/l	97
3) Chloromethane	1.32	50	118056	49.09	ug/l	98
4) Vinyl Chloride	1.41	62	124592	43.54	ug/l	99
5) Bromomethane	1.64	94	92815	35.20	ug/l	99
6) Chloroethane	1.73	64	76527	41.78	ug/l	100
7) Trichlorofluoromethane	1.93	101	206960	41.75	ug/l	99
8) Diethyl Ether	2.19	74	70483	40.72	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.39	101	115230	42.61	ug/l	92
10) 1,1-Dichloroethene	2.38	96	105445	40.82	ug/l	91
11) Methyl Iodide	2.51	142	135356	53.91	ug/l	95
12) Methyl Acetate	2.78	43	142066	30.77	ug/l	97
13) Acrolein	2.29	56	85030	153.06	ug/l	99
14) Acrylonitrile	3.15	53	284126	142.03	ug/l	100
15) Acetone	2.45	58	87292	133.85	ug/l	90
16) Carbon Disulfide	2.57	76	281597	38.11	ug/l	97
17) Allyl chloride	2.73	41	190992	43.36	ug/l	97
18) Methylene Chloride	2.86	84	113750	40.41	ug/l	98
19) trans-1,2-Dichloroethene	3.17	96	112783	40.13	ug/l	94
20) Diisopropyl ether	3.88	45	365035	52.49	ug/l	96
21) 1,1-Dichloroethane	3.70	63	200072	43.65	ug/l	100
22) cis-1,2-Dichloroethene	4.60	96	126360	48.39	ug/l	98
23) tert-Butyl Alcohol	3.07	59	120119	105.05	ug/l	# 100
24) Methyl tert-Butyl Ether	3.21	73	360547	40.50	ug/l	94
25) Chloroform	5.22	83	215082	47.32	ug/l	99
26) Cyclohexane	5.59	56	180070	50.10	ug/l	# 94
29) 1,1-Dichloropropene	5.81	75	159598	50.71	ug/l	100
30) 2-Butanone	4.71	43	415947	171.70	ug/l	97
31) 2,2-Dichloropropane	4.59	77	170759	50.44	ug/l	100
32) 1,1,1-Trichloroethane	5.50	97	192461	50.54	ug/l	98
33) Carbon Tetrachloride	5.79	117	173467	51.30	ug/l	96
34) Benzene	6.15	78	470557	51.96	ug/l	95
35) Methacrylonitrile	5.07	41	90750	40.69	ug/l	94
36) 1,2-Dichloroethane	6.20	62	178755	52.05	ug/l	100
37) Trichloroethene	7.22	130	140910	52.64	ug/l	95
38) Methylcyclohexane	7.47	83	186315	49.38	ug/l	96
39) 1,2-Dichloropropane	7.52	63	118634	52.47	ug/l	100
40) Dibromomethane	7.67	93	83679	48.04	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	157972	47.71	ug/l	98
42) Vinyl Acetate	3.83	43	1584941	256.69	ug/l	98
43) Ethyl Acetate	4.87	43	158051	37.14	ug/l	98
44) Isopropyl Acetate	6.47	43	271684	43.52	ug/l	98
45) 1,4-Dioxane	7.76	88	52258	665.54	ug/l	98
46) Methyl methacrylate	7.78	41	142644	46.97	ug/l	91
47) n-amyl Acetate	10.90	43	261486	47.97	ug/l	99
48) t-1,3-Dichloropropene	8.44	75	189946	49.28	ug/l	99
49) cis-1,3-Dichloropropene	9.05	75	183196	48.84	ug/l	92
50) 1,1,2-Trichloroethane	9.22	97	124039	48.50	ug/l	100
51) Ethyl methacrylate	9.19	69	178090	45.45	ug/l	91
52) 1,3-Dichloropropane	9.38	76	202566	49.38	ug/l	99
53) Dibromochloromethane	9.59	129	140167	49.26	ug/l	97
54) 1,2-Dibromoethane	9.68	107	134328	47.12	ug/l	98
55) 2-Chloroethyl vinyl ether	8.32	63	434273	253.80	ug/l	100
56) Bromoform	10.86	173	115229	50.00	ug/l #	97
58) 4-Methyl-2-Pentanone	8.65	43	861210	192.75	ug/l	99
59) 2-Hexanone	9.50	43	676968	178.93	ug/l	97
61) Tetrachloroethene	9.34	164	153346	61.91	ug/l	91
62) Toluene	8.79	91	541066	50.98	ug/l	100
64) Chlorobenzene	10.14	112	366219	51.06	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.23	131	135064	53.17	ug/l	96
66) Ethyl Benzene	10.26	91	612379	50.55	ug/l	99
67) m/p-Xylenes	10.37	106	488132	102.79	ug/l	99
68) o-Xylene	10.70	106	233708	50.67	ug/l	99
69) Styrene	10.72	104	389591	50.99	ug/l	99
70) Isopropylbenzene	11.02	105	633977	50.84	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	187426	43.68	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	177877m	46.22	ug/l	
73) Bromobenzene	11.26	156	183167	56.03	ug/l	96
74) n-propylbenzene	11.37	91	722686	49.45	ug/l	99
75) 2-Chlorotoluene	11.43	91	433672	51.61	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	545188	51.59	ug/l	68
77) t-1,4-Dichloro-2-butene	11.08	75	51341	37.72	ug/l	90
78) 4-Chlorotoluene	11.52	91	518393	51.49	ug/l	99
79) tert-butylbenzene	12.07	119	592037	56.29	ug/l	94
80) 1,2,4-Trimethylbenzene	11.81	105	561581	52.10	ug/l	99
81) sec-Butylbenzene	11.95	105	633602	48.73	ug/l	99
82) p-Isopropyltoluene	12.07	119	592037	51.04	ug/l	100
83) 1,3-Dichlorobenzene	12.03	146	337051	54.15	ug/l	98
84) 1,4-Dichlorobenzene	12.10	146	340777	52.54	ug/l	99
85) n-Butylbenzene	12.39	91	509453	46.83	ug/l	98
86) Hexachloroethane	12.60	117	89434	46.16	ug/l	71
87) 1,2-Dichlorobenzene	12.40	146	334218	54.19	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.01	75	40602	33.84	ug/l	95
89) 1,2,4-Trichlorobenzene	13.65	180	257131	56.76	ug/l	98
90) Hexachlorobutadiene	13.79	225	119290	61.12	ug/l	97
91) Naphthalene	13.84	128	682328	43.10	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	252426	55.43	ug/l	97

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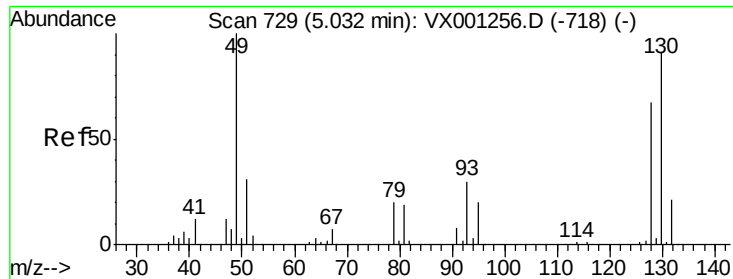
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.03 min Scan# 729

Delta R.T. -0.00 min

Lab File: VX001257.D

Acq: 30 Apr 2018 11:27

Instrument :

MSVOA_X

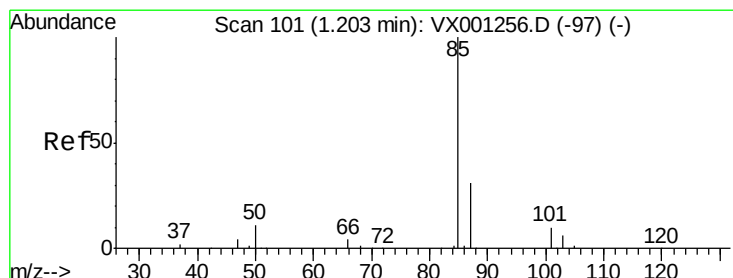
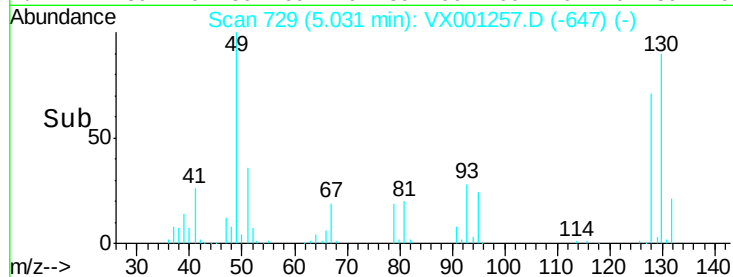
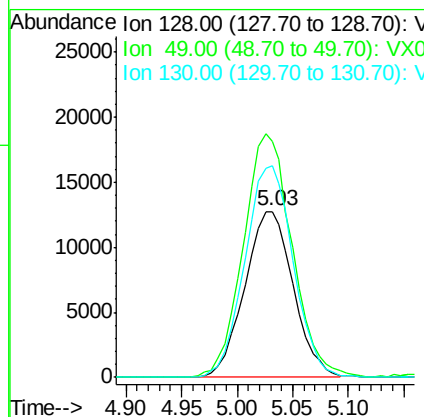
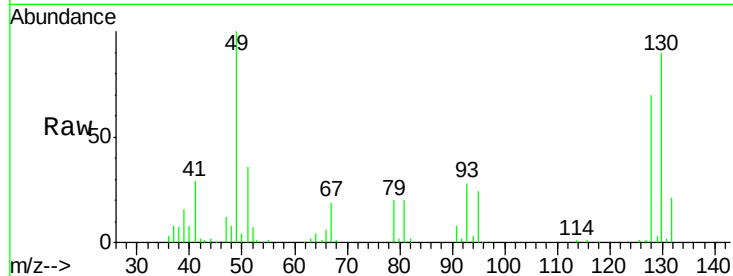
ClientSampleId :

VSTDIC050

Tot Ion:	128	Resp:	38663
Ion	Ratio	Lower	Upper
128	100		
49	147.6	0.0	378.3
130	127.0	0.0	324.3

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#2

Dichlorodifluoromethane

Concen: 55.19 ug/l

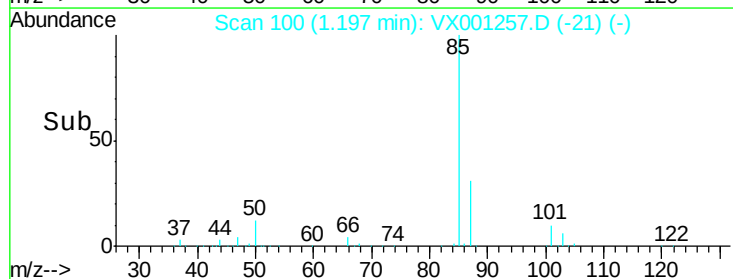
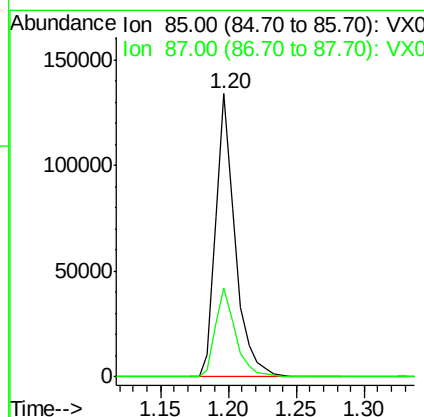
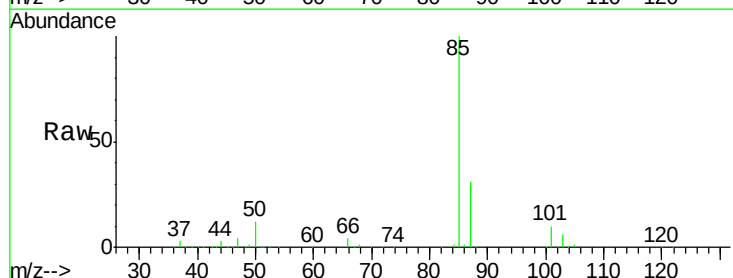
RT: 1.20 min Scan# 100

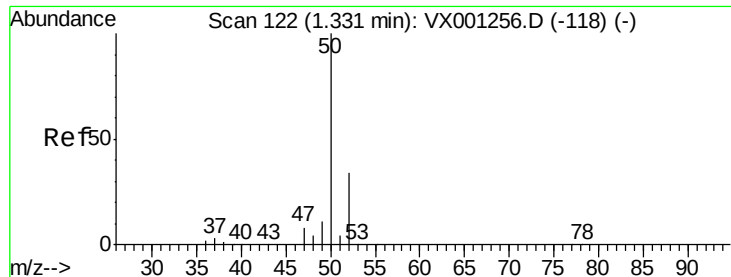
Delta R.T. -0.00 min

Lab File: VX001257.D

Acq: 30 Apr 2018 11:27

Tgt Ion:	85	Resp:	132433
Ion	Ratio	Lower	Upper
85	100		
87	31.4	16.6	49.7





#3

Chloromethane

Concen: 49.09 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001257.D

Acq: 30 Apr 2018 11:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 50 Resp: 118056

Ion Ratio Lower Upper

50 100

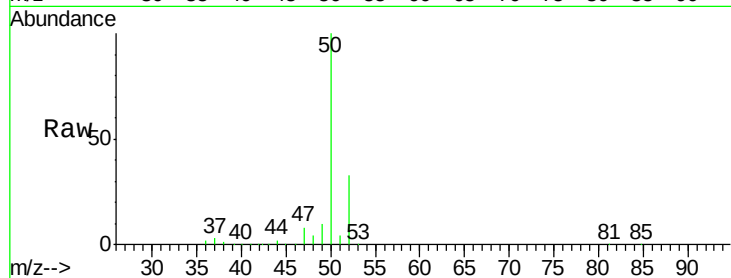
52 33.3 27.8 41.6

Manual Integrations

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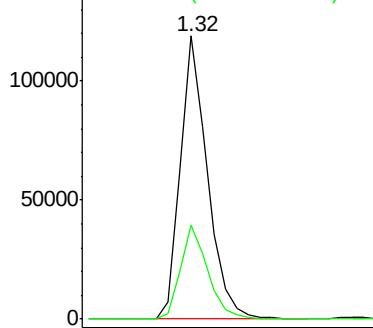
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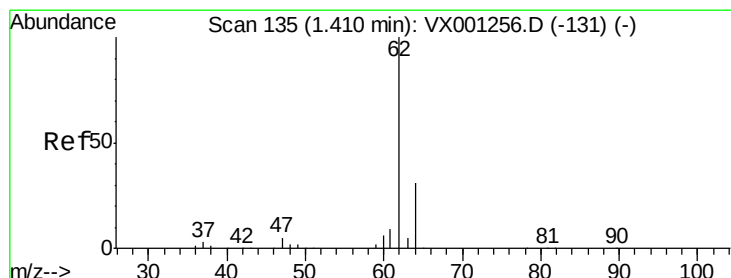
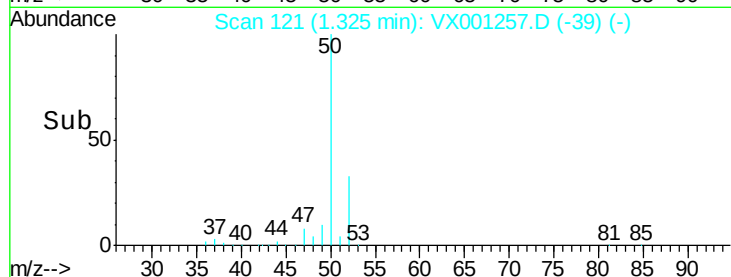


Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



Time-->



#4

Vinyl Chloride

Concen: 43.54 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX001257.D

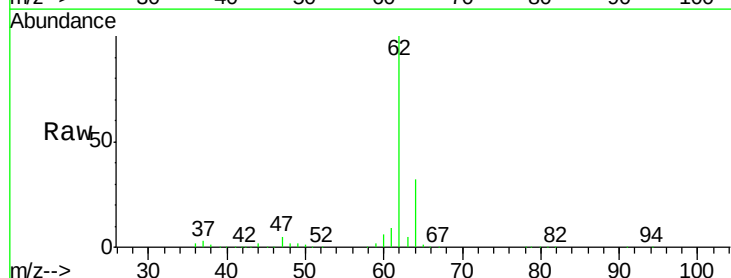
Acq: 30 Apr 2018 11:27

Tgt Ion: 62 Resp: 124592

Ion Ratio Lower Upper

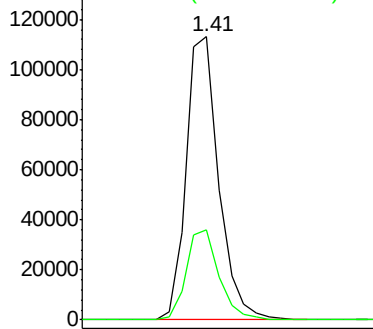
62 100

64 32.1 26.0 39.0

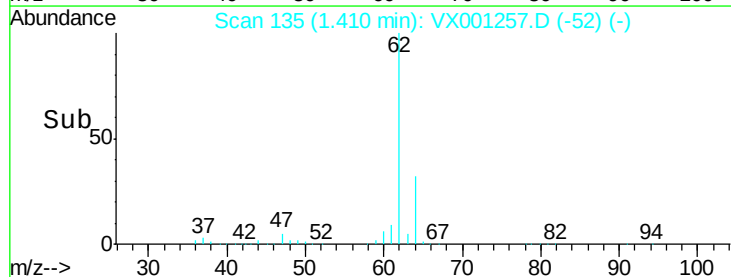


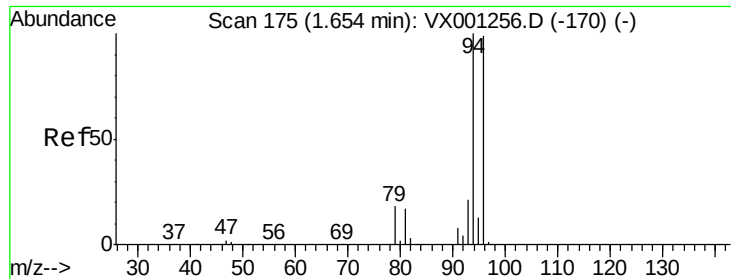
Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0



Time-->





#5

Bromomethane

Concen: 35.20 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX001257.D

Acq: 30 Apr 2018 11:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 94 Resp: 92815

Ion Ratio Lower Upper

94 100

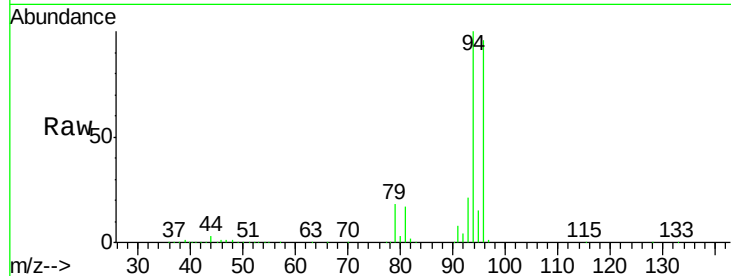
96 96.5 76.2 114.2

Manual Integrations

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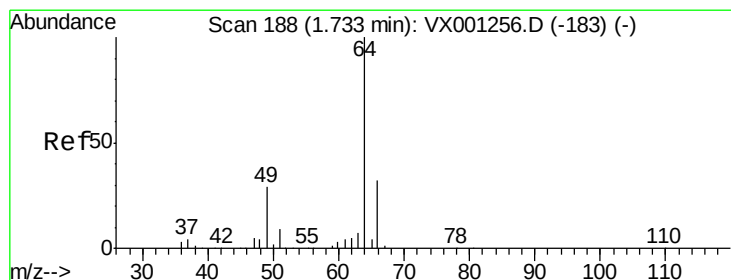
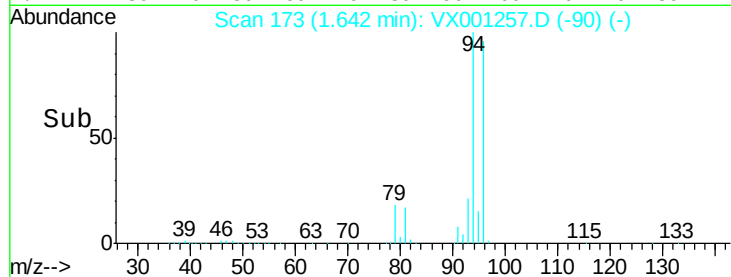
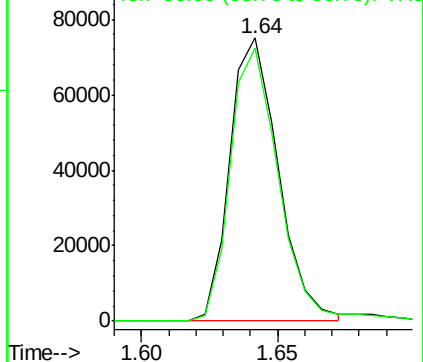
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 41.78 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX001257.D

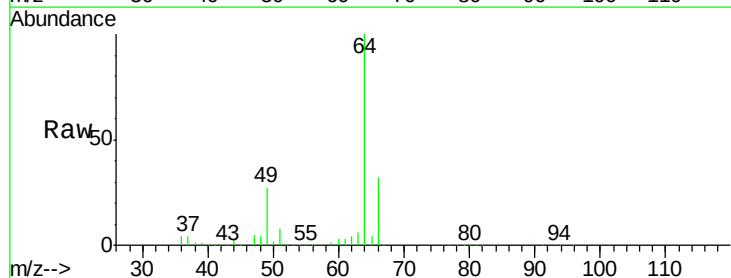
Acq: 30 Apr 2018 11:27

Tgt Ion: 64 Resp: 76527

Ion Ratio Lower Upper

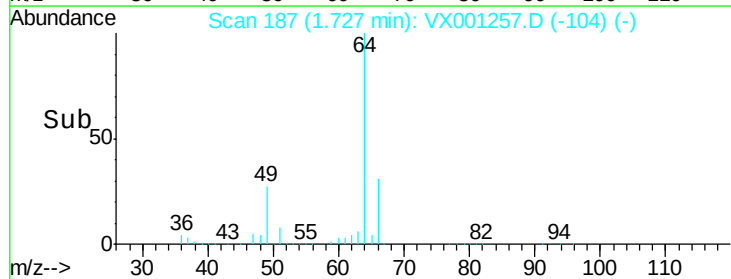
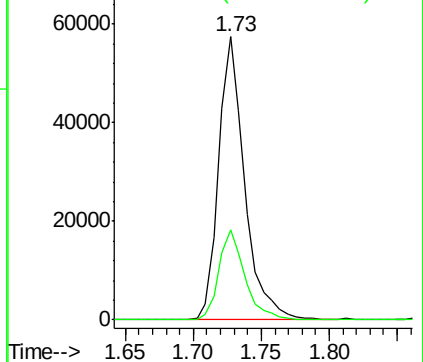
64 100

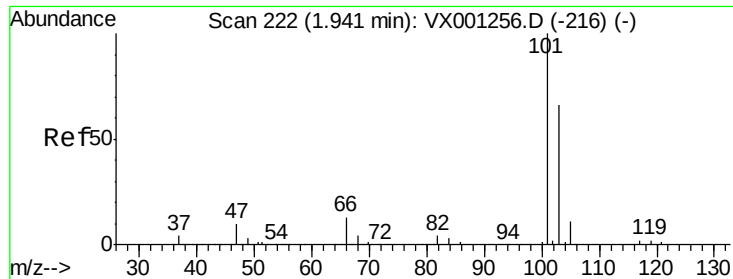
66 31.6 25.2 37.8



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

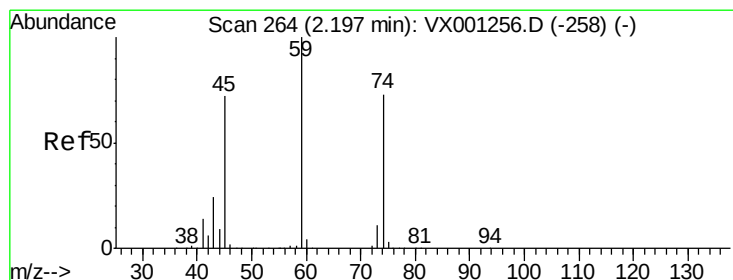
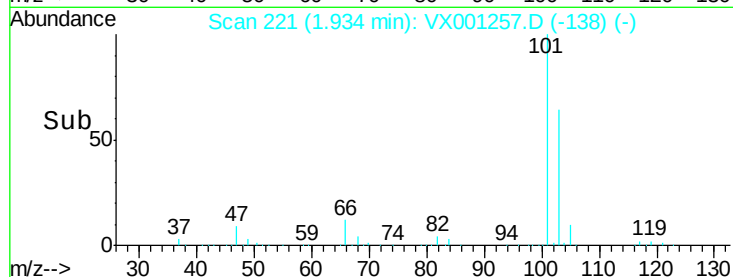
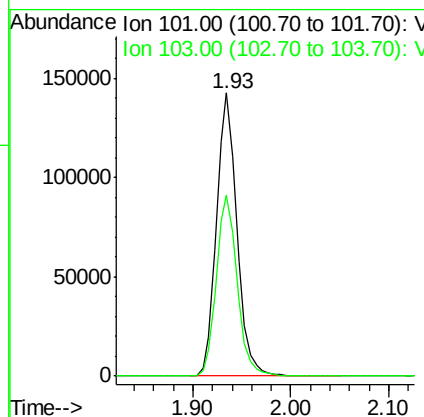
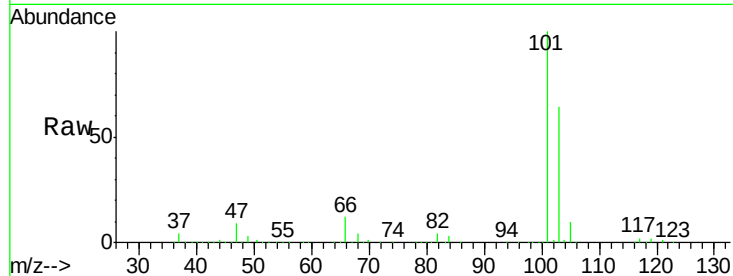
Trichlorofluoromethane
Concen: 41.75 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX001257.D
Acq: 30 Apr 2018 11:27

Instrument :
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VSTDIC050

Tot Ion:101 Resp: 206960
Ion Ratio Lower Upper
101 100
103 64.2 52.2 78.4

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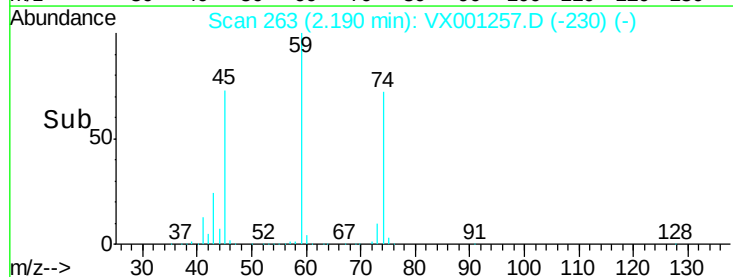
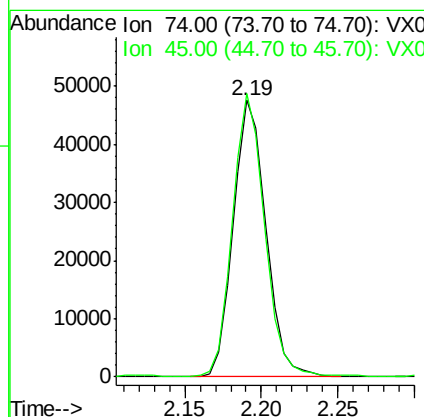
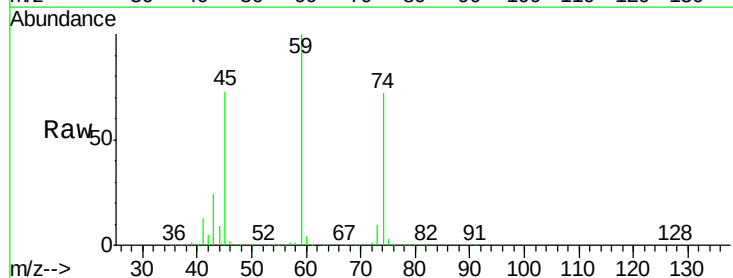
MMDadoda
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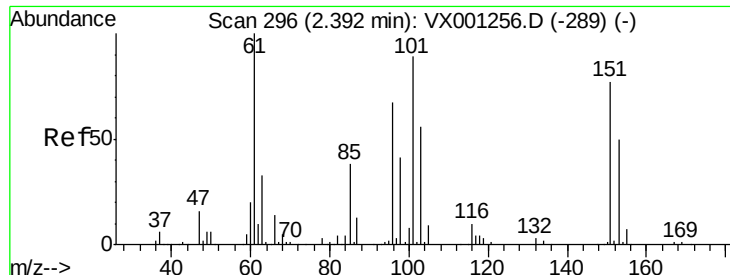


#8

Diethyl Ether
Concen: 40.72 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX001257.D
Acq: 30 Apr 2018 11:27

Tgt Ion: 74 Resp: 70483
Ion Ratio Lower Upper
74 100
45 99.8 17.8 159.8





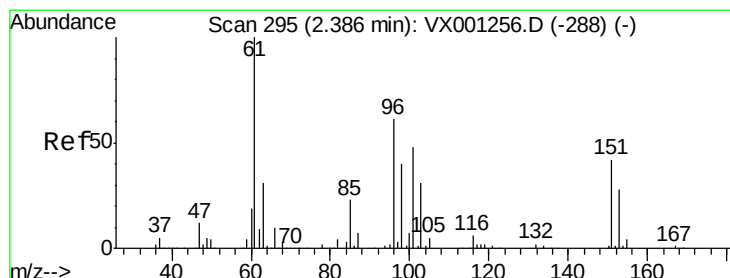
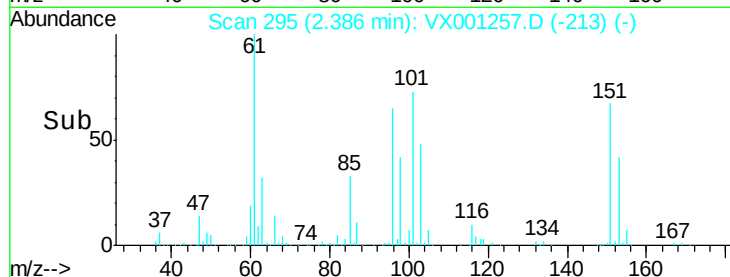
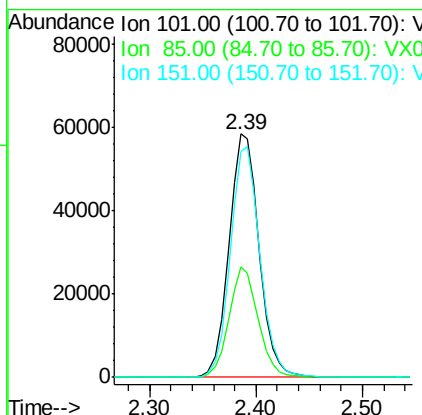
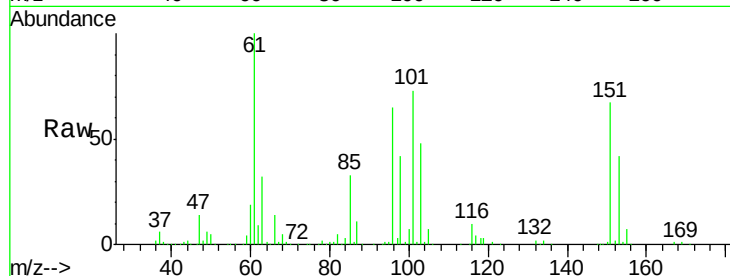
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 42.61 ug/l
 RT: 2.39 min Scan# 295
 Delta R.T. -0.00 min
 Lab File: VX001257.D
 Acq: 30 Apr 2018 11:27

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	115230		
85	43.9	0.0	90.4	
151	93.7	0.0	167.6	

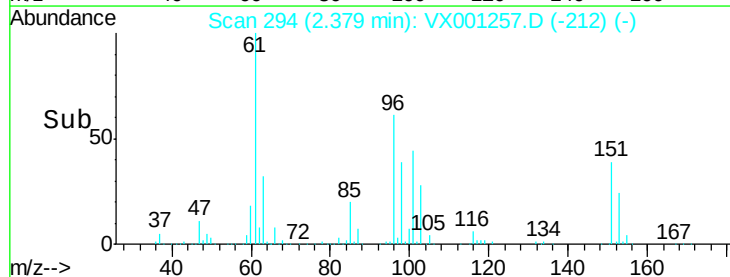
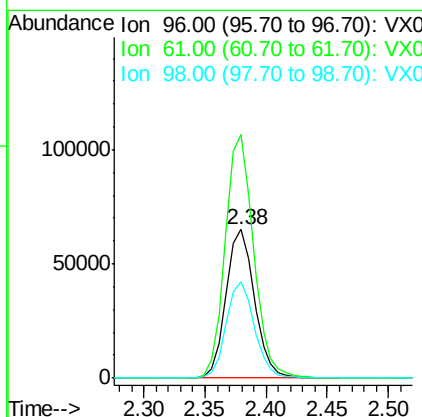
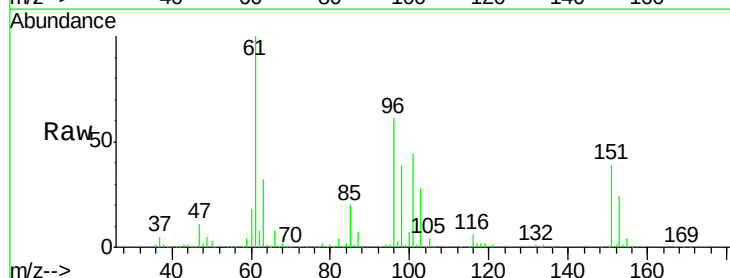
Manual Integrations
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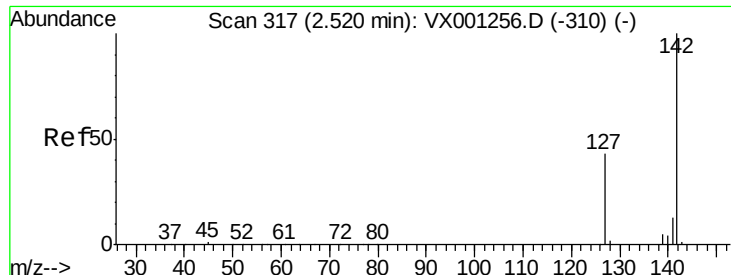
MMDadoda
 5/2/2018 11:08:03 AM



#10
 1,1-Dichloroethene
 Concen: 40.82 ug/l
 RT: 2.38 min Scan# 294
 Delta R.T. -0.00 min
 Lab File: VX001257.D
 Acq: 30 Apr 2018 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	105445		
61	163.7	118.6	178.0	
98	64.5	51.0	76.6	





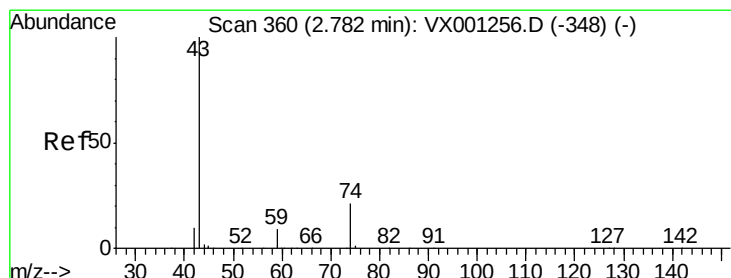
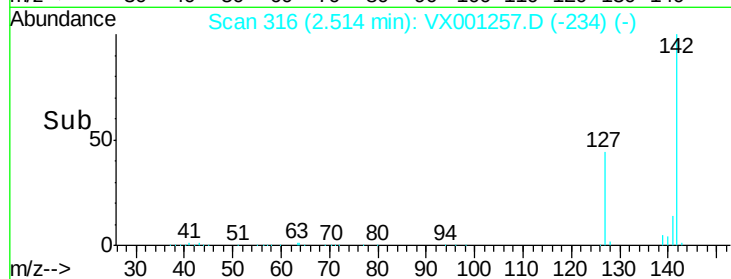
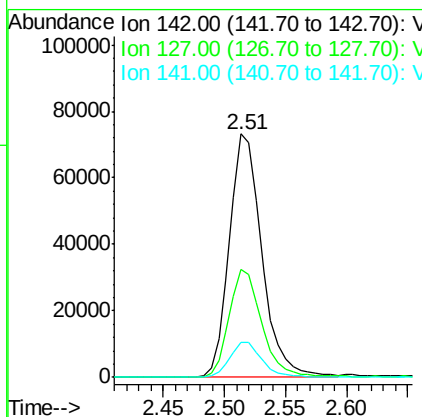
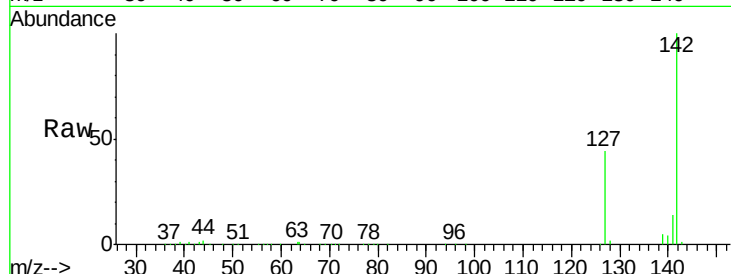
#11
Methyl Iodide
Concen: 53.91 ug/l
RT: 2.51 min Scan# 316
Delta R.T. -0.00 min
Lab File: VX001257.D
Acq: 30 Apr 2018 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
142	100		
127	44.3	23.8	71.5
141	14.3	8.2	24.4

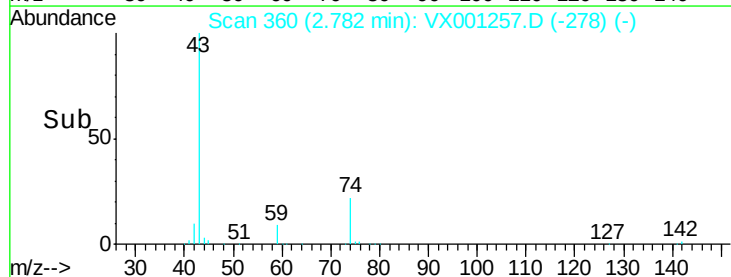
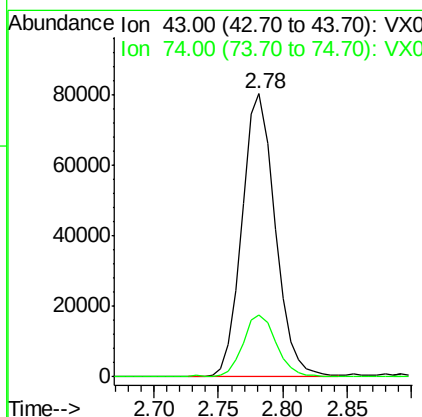
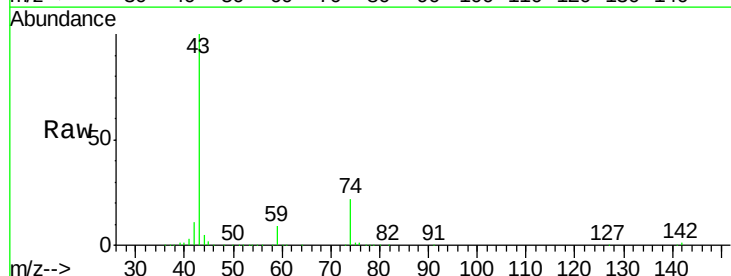
Manual Integrations
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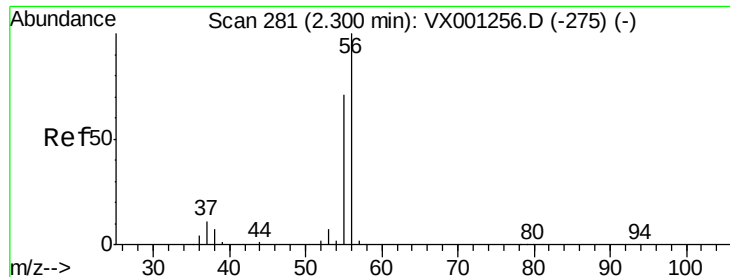
MMDadoda
5/2/2018 11:08:03 AM



#12
Methyl Acetate
Concen: 30.77 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX001257.D
Acq: 30 Apr 2018 11:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.7	18.6	27.8





#13

Acrolein

Concen: 153.06 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX001257.D

Acq: 30 Apr 2018 11:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 56 Resp: 85030

Ion Ratio Lower Upper

56 100

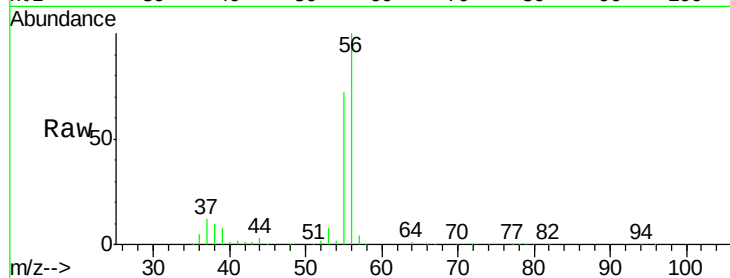
55 72.8 57.3 85.9

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

60000

50000

40000

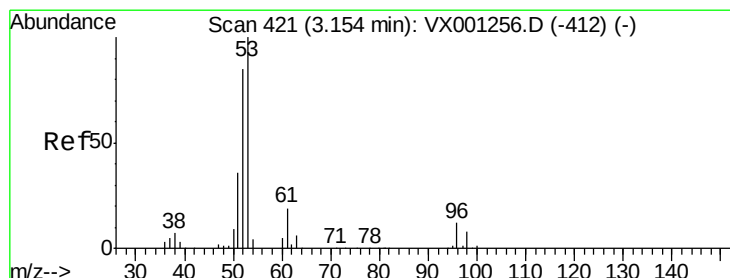
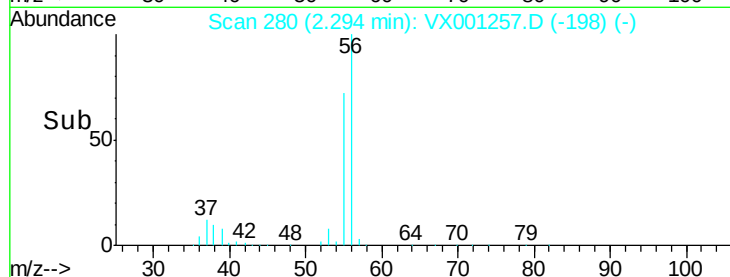
30000

20000

10000

0

Time--> 2.20 2.25 2.30 2.35 2.40



#14

Acrylonitrile

Concen: 142.03 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX001257.D

Acq: 30 Apr 2018 11:27

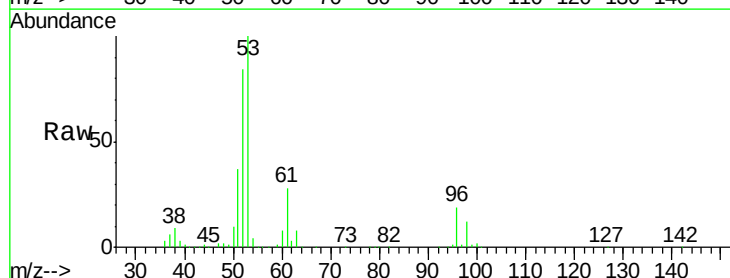
Tgt Ion: 53 Resp: 284126

Ion Ratio Lower Upper

53 100

52 83.7 41.9 125.8

51 37.6 18.8 56.3



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

3.15

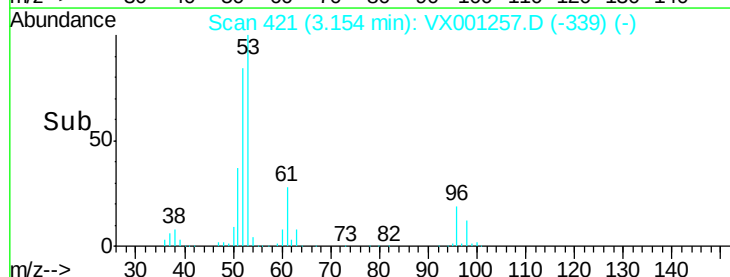
150000

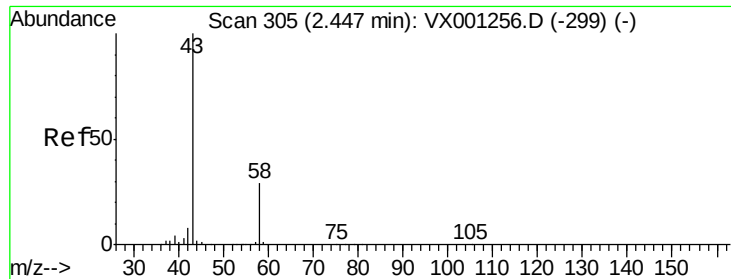
100000

50000

0

Time--> 3.10 3.20 3.30





#15

Acetone

Concen: 133.85 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX001257.D

Acq: 30 Apr 2018 11:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 58 Resp: 87292

Ion Ratio Lower Upper

58 100

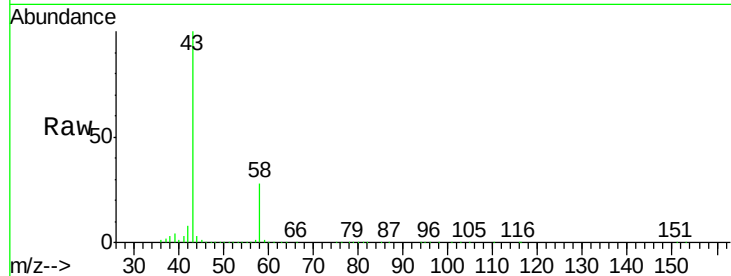
43 351.4 264.6 396.8

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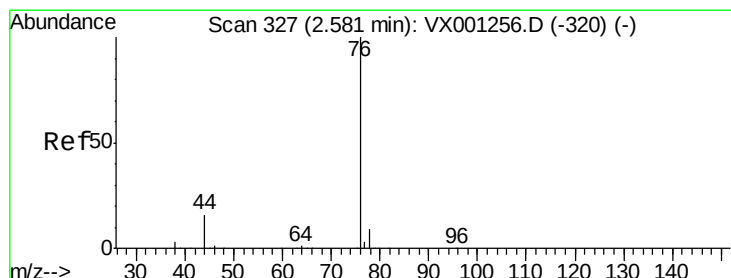
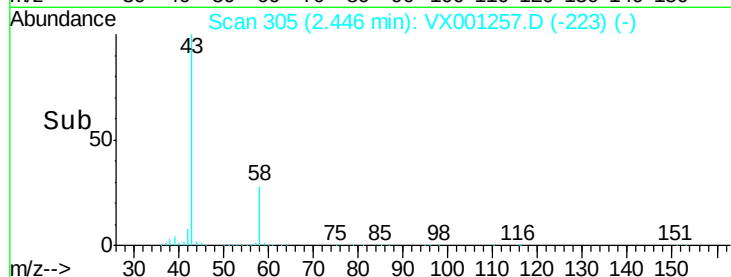
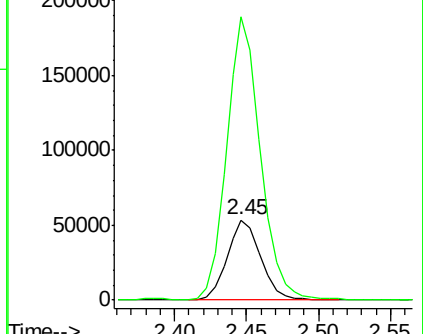
MMDadoda

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Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 38.11 ug/l

RT: 2.57 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX001257.D

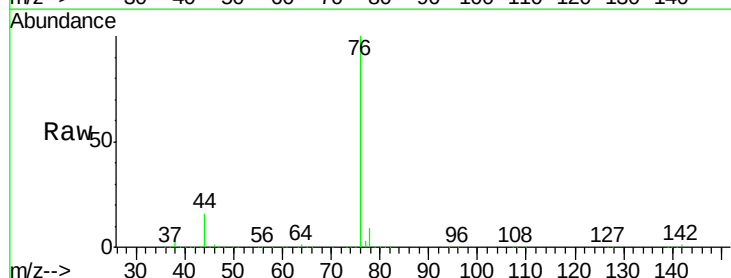
Acq: 30 Apr 2018 11:27

Tgt Ion: 76 Resp: 281597

Ion Ratio Lower Upper

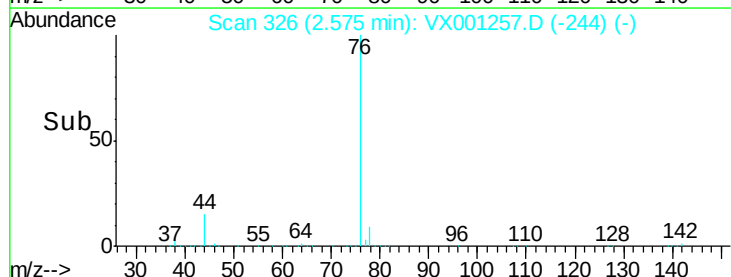
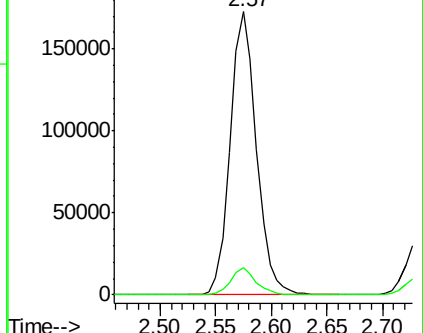
76 100

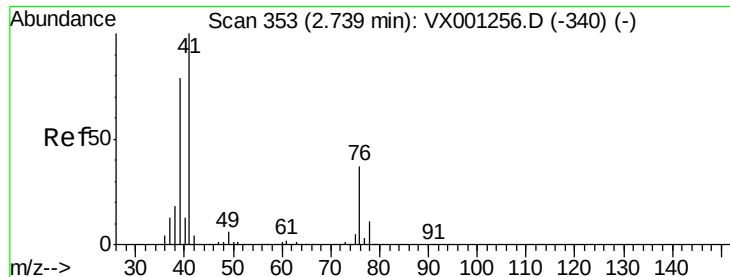
78 9.4 6.8 10.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





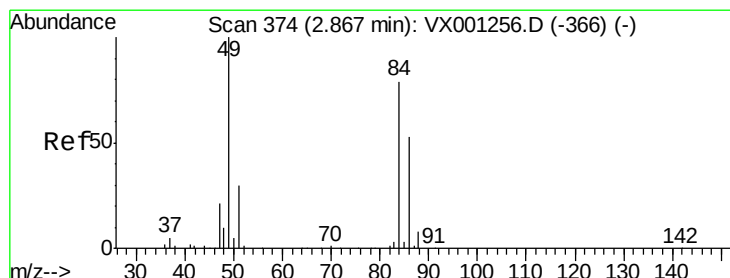
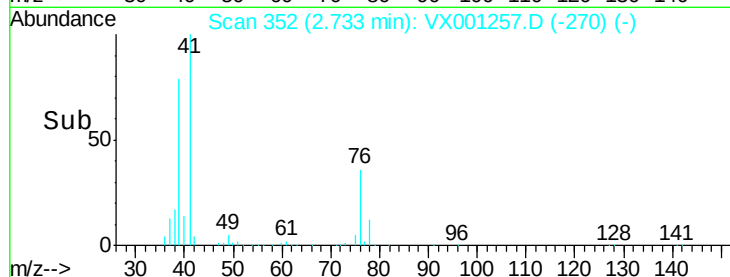
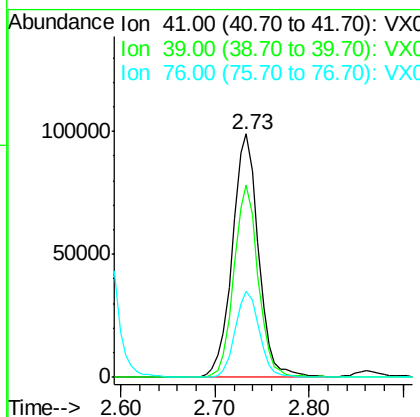
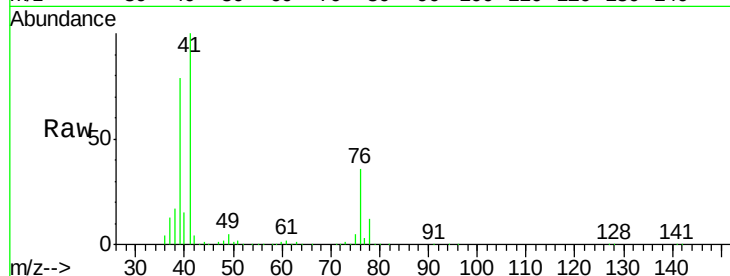
#17
Allvl chloride
Concen: 43.36 ug/l
RT: 2.73 min Scan# 352
Delta R.T. -0.00 min
Lab File: VX001257.D
Acq: 30 Apr 2018 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	79.2	38.5	115.5
76	35.6	18.7	56.1

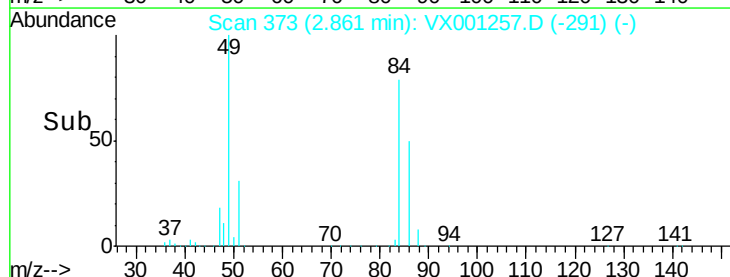
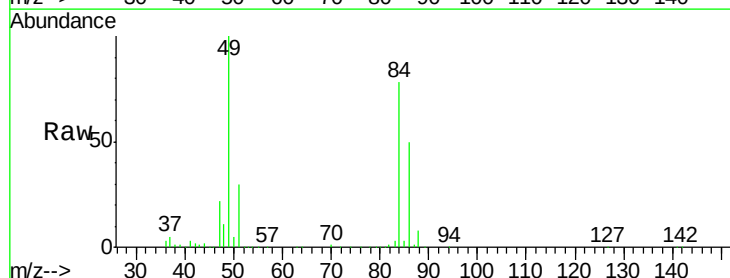
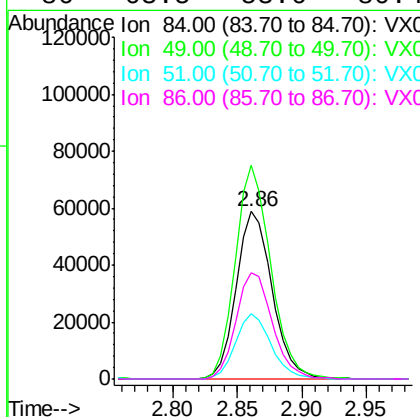
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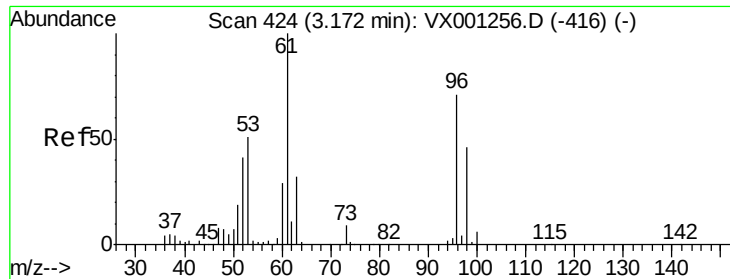
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#18
Methylene Chloride
Concen: 40.41 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX001257.D
Acq: 30 Apr 2018 11:27

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.6	103.3	154.9
51	38.7	31.2	46.8
86	63.5	53.6	80.4





#19

trans-1,2-Dichloroethene

Concen: 40.13 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX001257.D

Acq: 30 Apr 2018 11:27

Instrument :

MSVOA_X

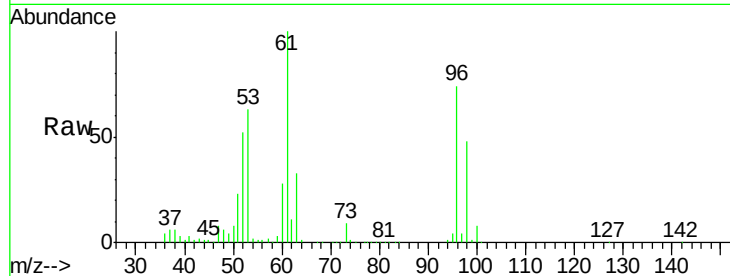
ClientSampled :

VSTDIC050

Tot Ion:	96	Resp:	112783
Ion	Ratio	Lower	Upper
96	100		
61	135.1	101.0	151.6
98	64.4	53.3	79.9

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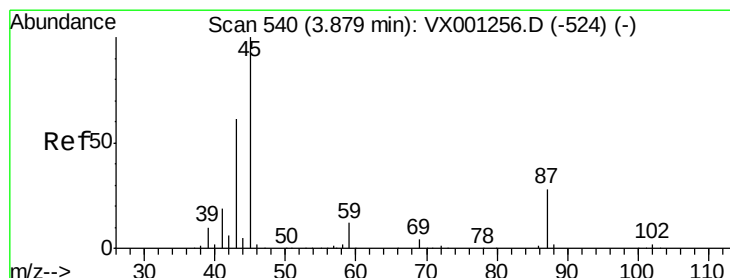
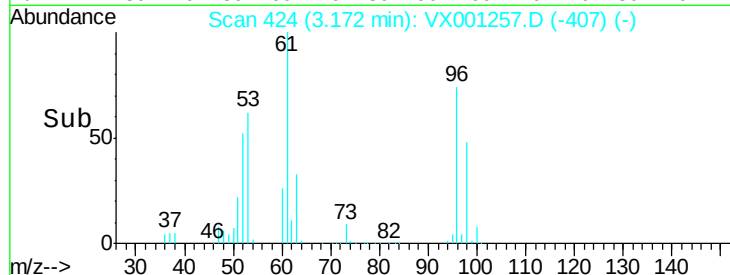
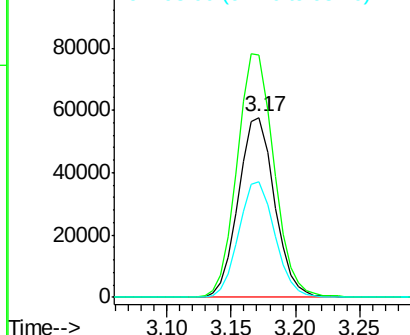


Abundance

Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#20

Diisopropyl ether

Concen: 52.49 ug/l

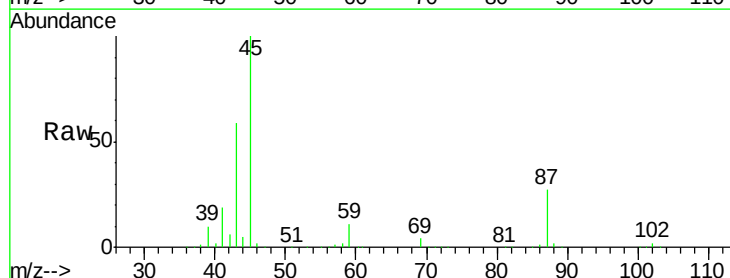
RT: 3.88 min Scan# 540

Delta R.T. -0.00 min

Lab File: VX001257.D

Acq: 30 Apr 2018 11:27

Tgt Ion:	45	Resp:	365035
Ion	Ratio	Lower	Upper
45	100		
43	59.0	49.6	74.4
87	27.4	23.1	34.7
59	11.1	10.8	16.2



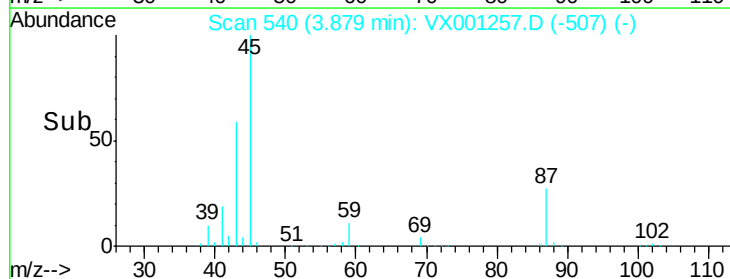
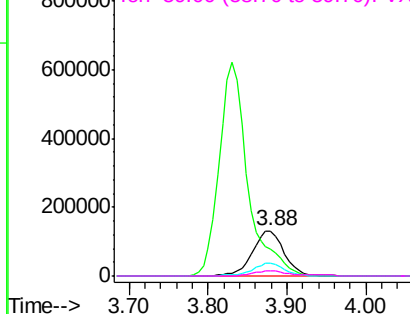
Abundance

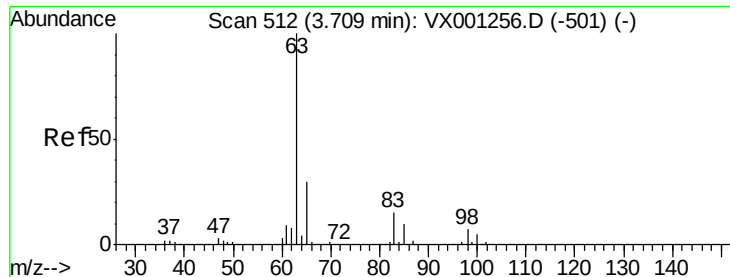
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#21

1,1-Dichloroethane

Concen: 43.65 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.00 min

Lab File: VX001257.D

Acq: 30 Apr 2018 11:27

Instrument :

MSVOA_X

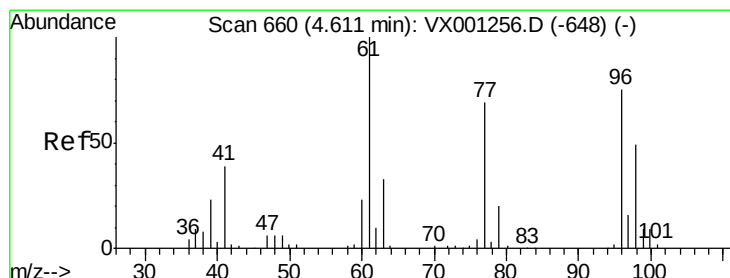
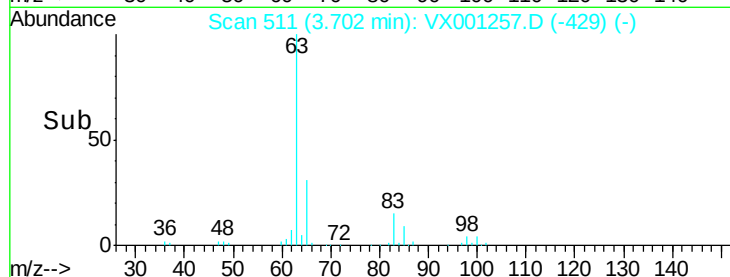
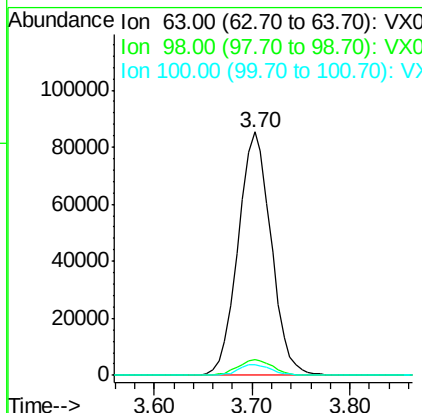
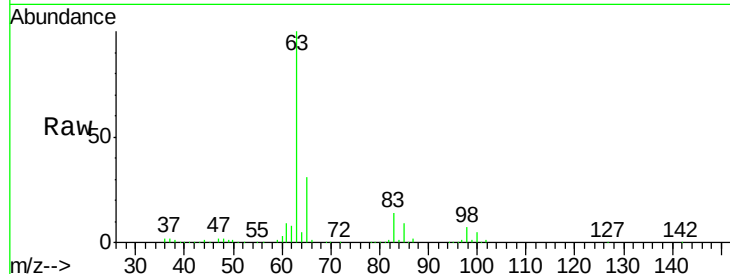
ClientSampled :

VSTDIC050

Tot Ion:	63	Resp:	200072
Ion Ratio	Lower	Upper	
63	100		
98	6.7	3.3	9.9
100	4.6	2.1	6.5

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#22

cis-1,2-Dichloroethene

Concen: 48.39 ug/l

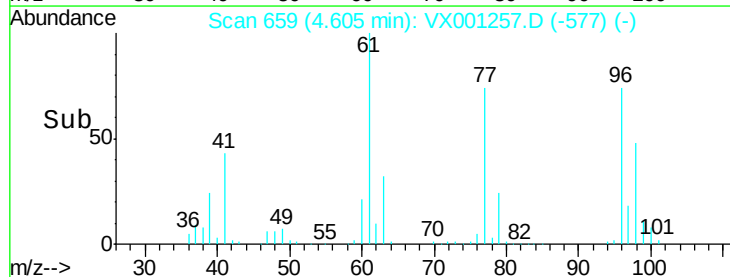
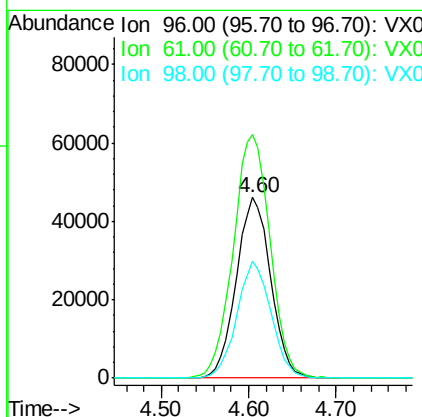
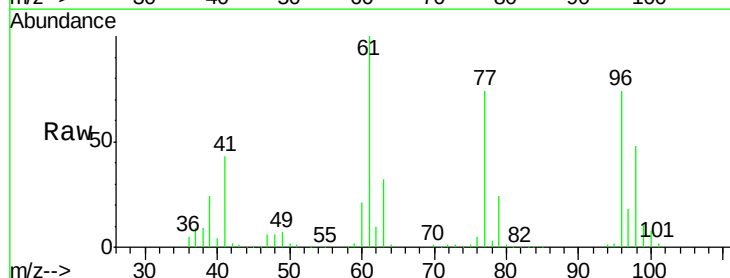
RT: 4.60 min Scan# 659

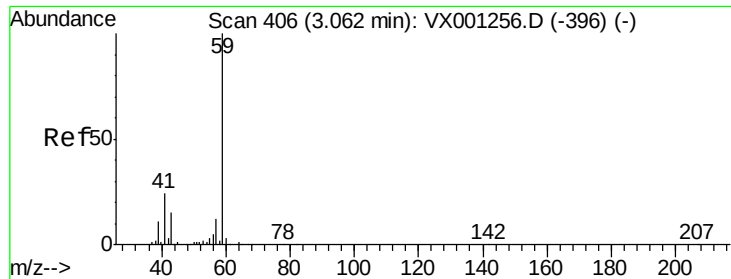
Delta R.T. -0.00 min

Lab File: VX001257.D

Acq: 30 Apr 2018 11:27

Tgt Ion:	96	Resp:	126360
Ion Ratio	Lower	Upper	
96	100		
61	144.5	113.5	170.3
98	64.2	51.8	77.8





#23

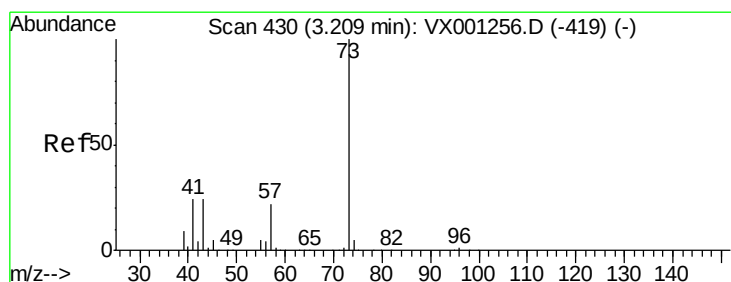
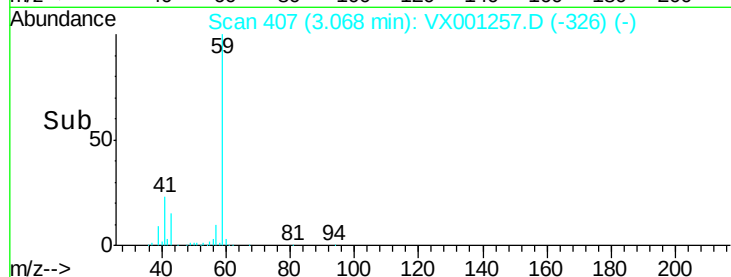
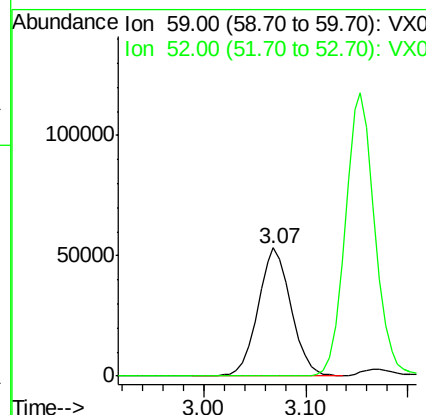
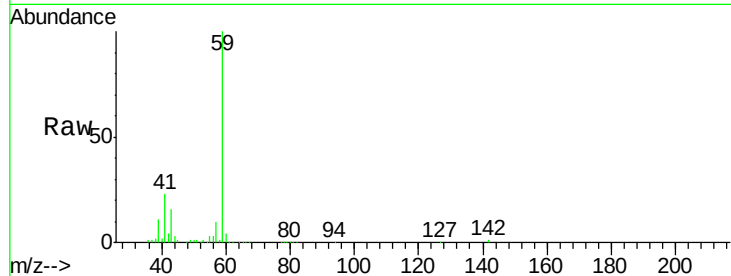
tert-Butyl Alcohol
Concen: 105.05 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX001257.D
Acq: 30 Apr 2018 11:27

Instrument :
MSVOA_X
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	120119		
52	0.2		0.1	0.1#

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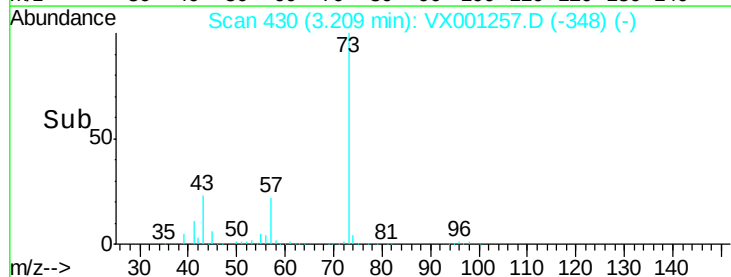
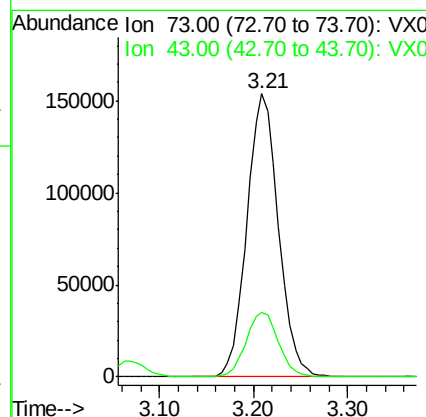
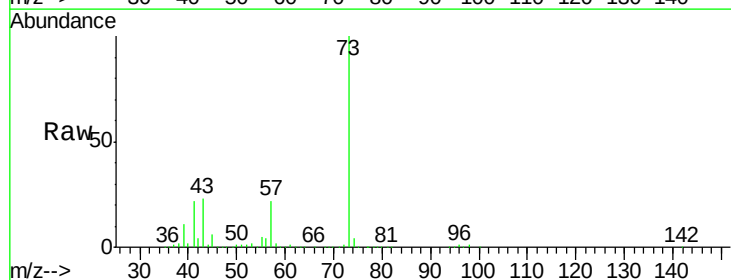
MMDadoda
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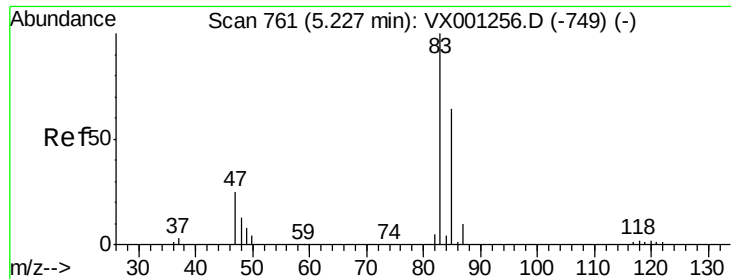


#24

Methyl tert-Butyl Ether
Concen: 40.50 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX001257.D
Acq: 30 Apr 2018 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
73	100	360547		
43	23.4		16.5	24.7





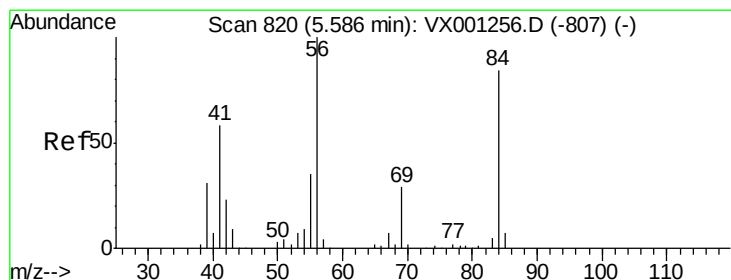
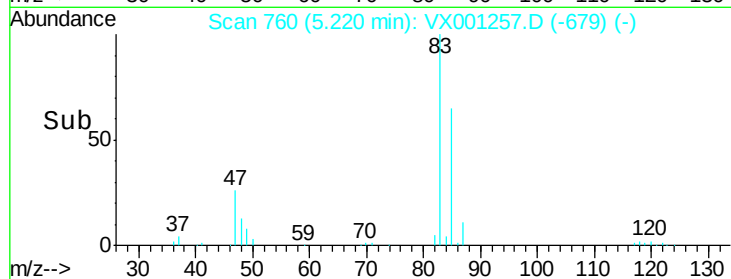
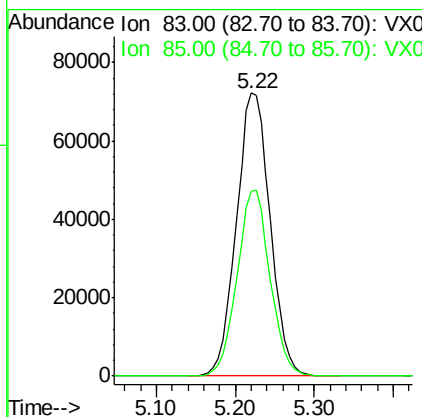
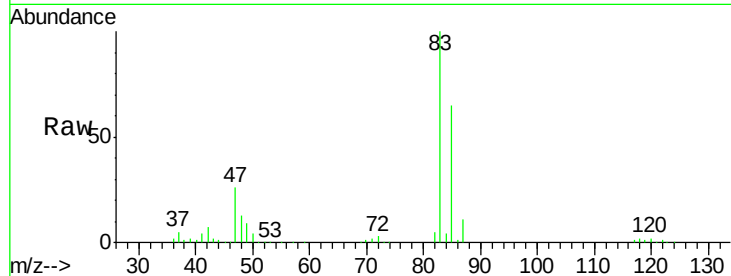
#25
Chloroform
Concen: 47.32 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.01 min
Lab File: VX001257.D
Acq: 30 Apr 2018 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	83	Resp	215082
Ion Ratio	100	Lower	Upper
83	100		
85	65.1	52.5	78.7

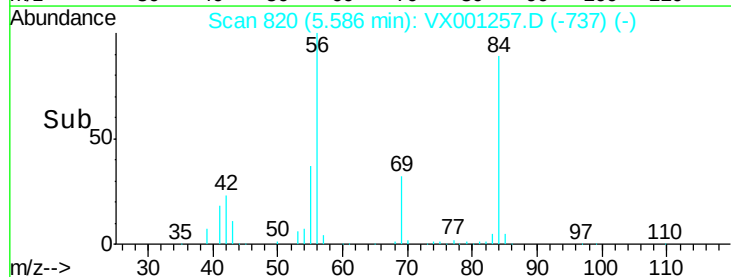
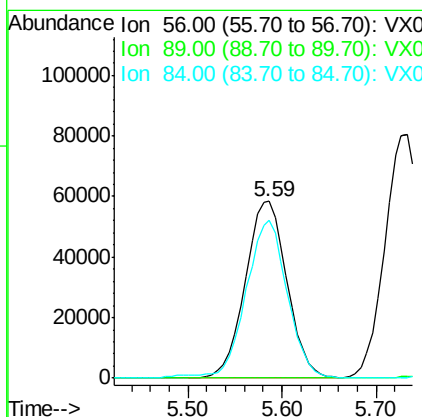
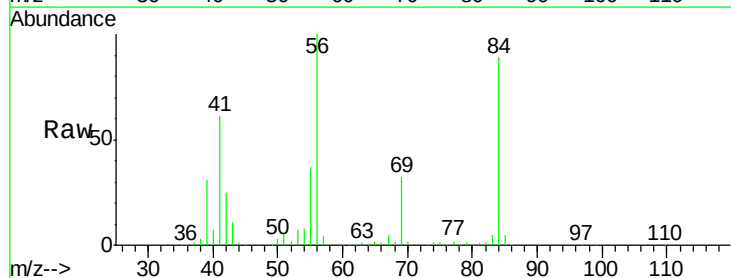
Manual Integrations
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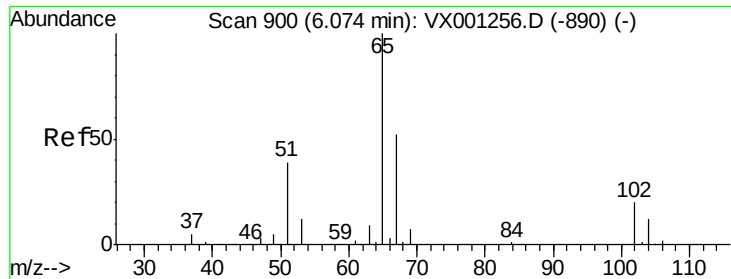
MMDadoda
5/2/2018 11:08:03 AM



#26
Cyclohexane
Concen: 50.10 ug/l
RT: 5.59 min Scan# 820
Delta R.T. 0.01 min
Lab File: VX001257.D
Acq: 30 Apr 2018 11:27

Tgt Ion	56	Resp	180070
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	87.8	74.8	112.2





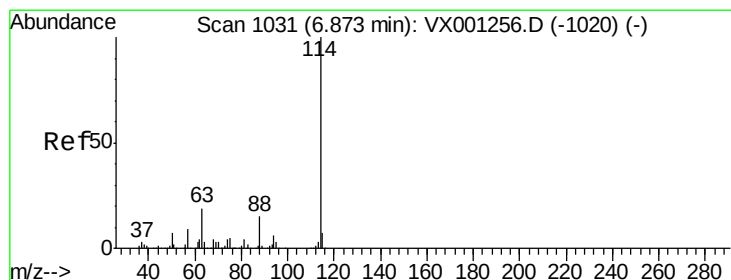
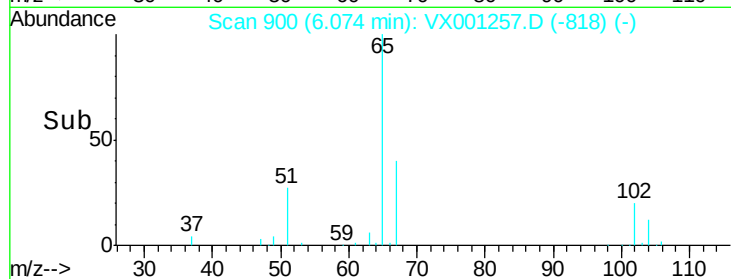
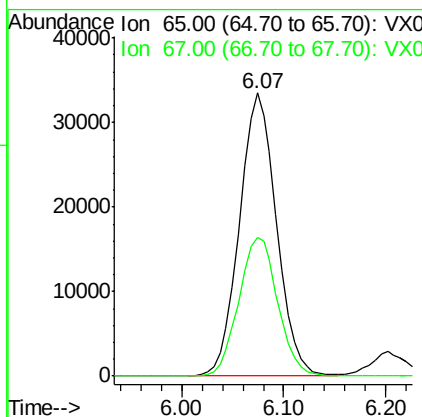
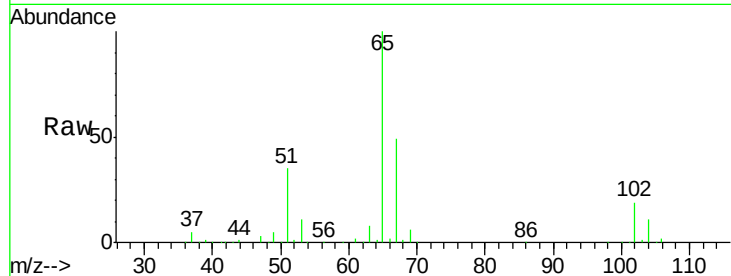
#27
 1,2-Dichloroethane-d4
 Concen: 28.27 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX001257.D
 Acq: 30 Apr 2018 11:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	84606		
67	51.3		41.4	62.2

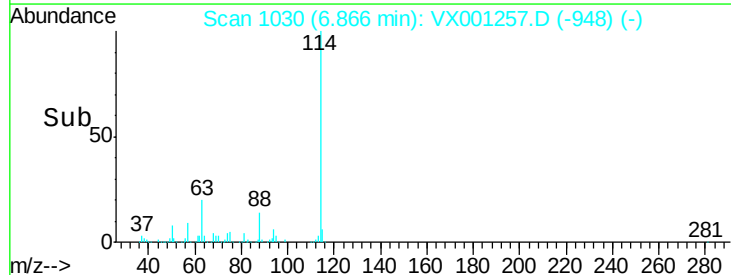
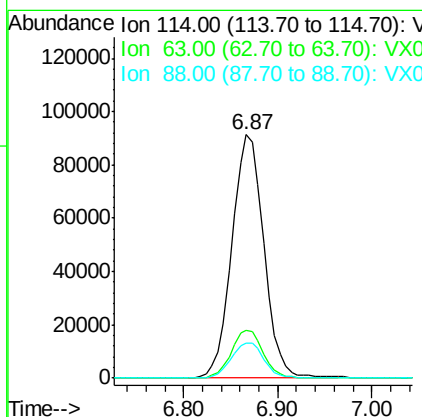
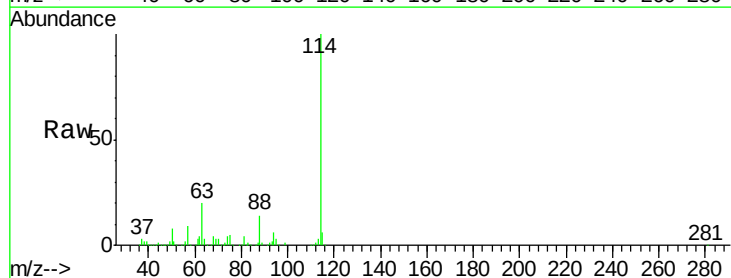
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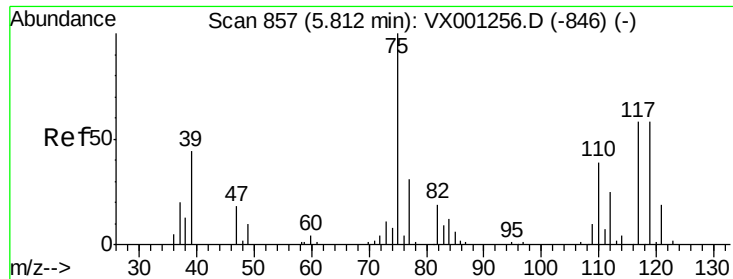
MMDadoda
 5/2/2018 11:08:03 AM



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001257.D
 Acq: 30 Apr 2018 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	216110		
63	19.5		15.0	22.4
88	14.9		11.8	17.8





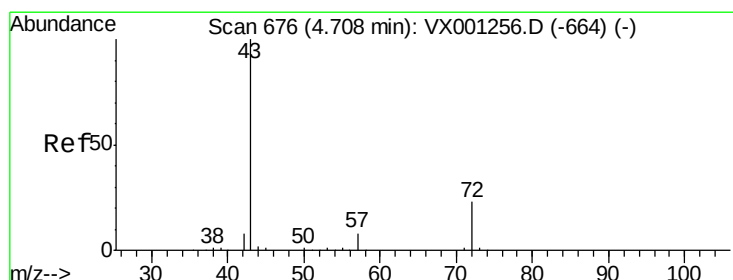
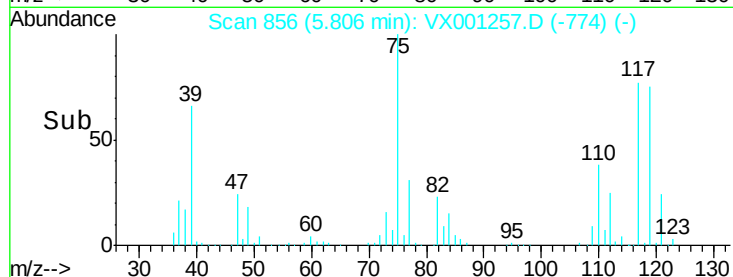
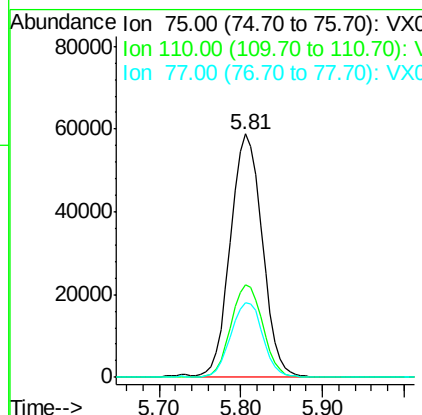
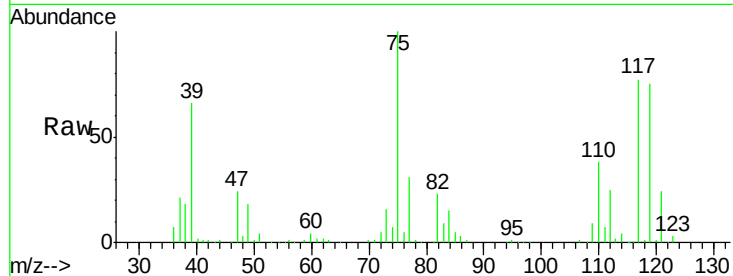
#29
 1,1-Dichloropropene
 Concen: 50.71 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VX001257.D
 Acq: 30 Apr 2018 11:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	37.9	0.0	75.6
77	31.0	0.0	62.6

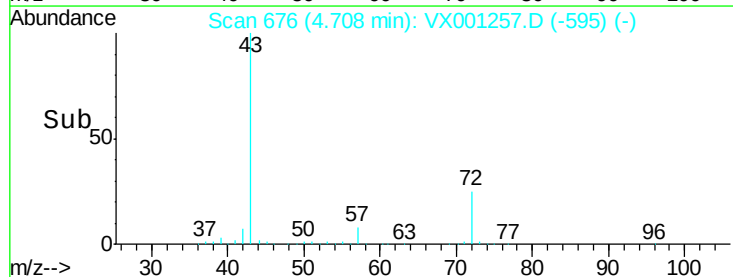
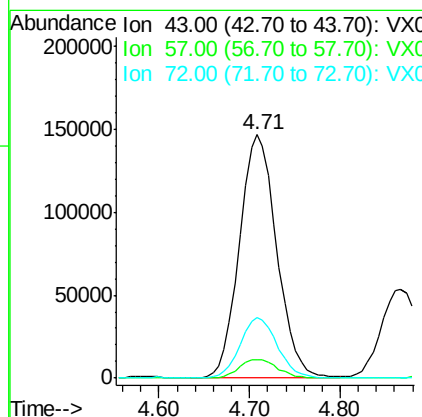
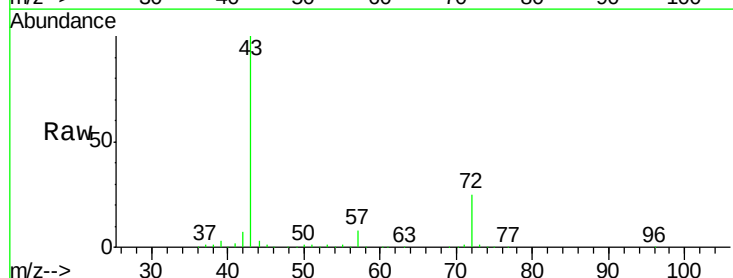
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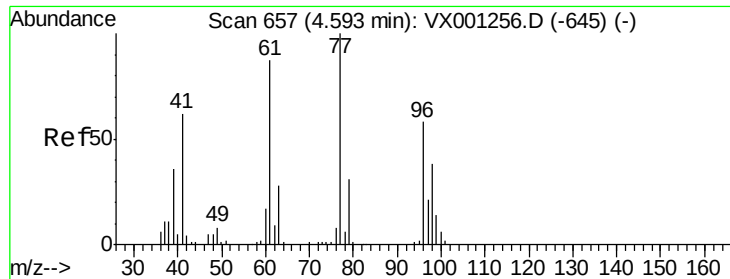
MMDadoda
 5/2/2018 11:08:03 AM



#30
 2-Butanone
 Concen: 171.70 ug/l
 RT: 4.71 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: VX001257.D
 Acq: 30 Apr 2018 11:27

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.0	6.6	10.0
72	25.0	21.8	32.6





#31

2,2-Dichloropropane

Concen: 50.44 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX001257.D

Acq: 30 Apr 2018 11:27

Instrument :

MSVOA_X

ClientSampled :

VSTDIC050

Tot Ion: 77 Resp: 170759

Ion Ratio Lower Upper

77 100

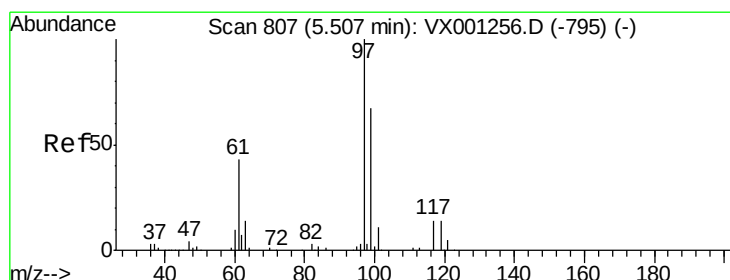
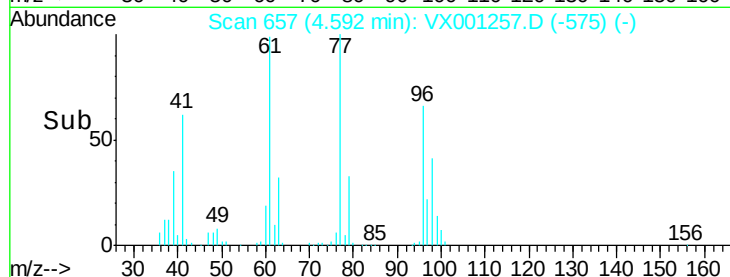
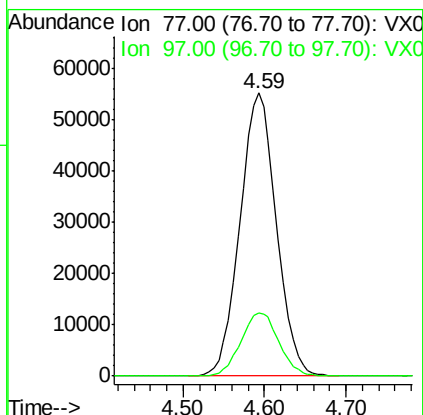
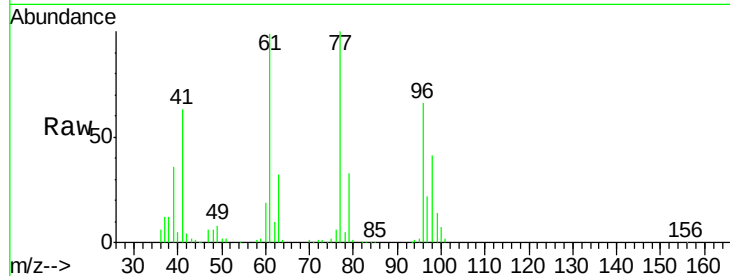
97 23.3 18.6 27.8

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 50.54 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX001257.D

Acq: 30 Apr 2018 11:27

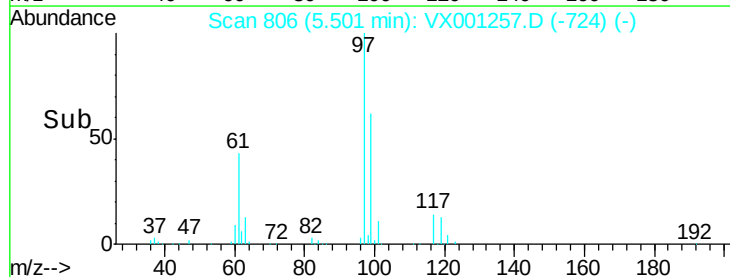
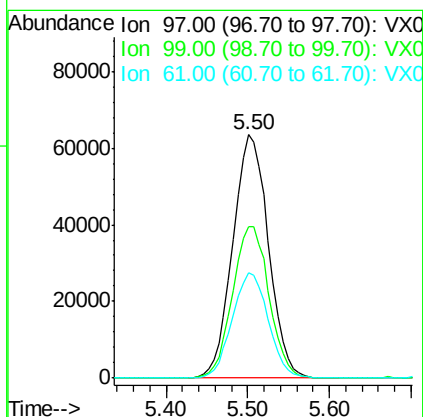
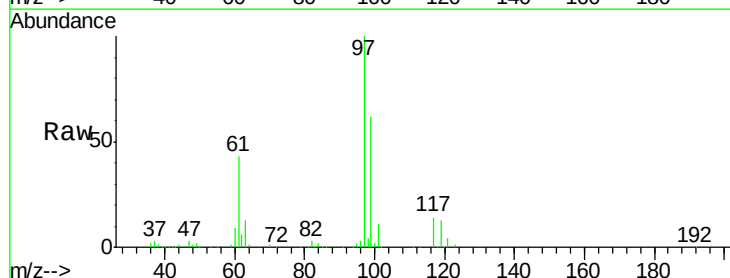
Tgt Ion: 97 Resp: 192461

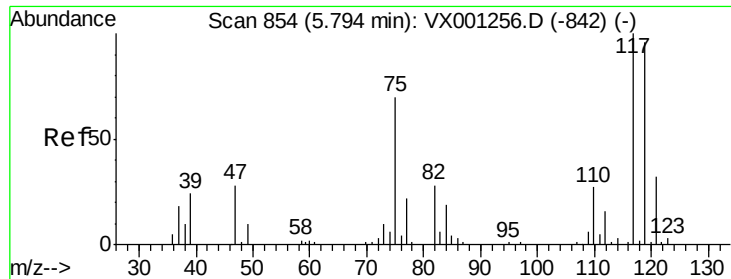
Ion Ratio Lower Upper

97 100

99 63.7 52.3 78.5

61 43.8 34.3 51.5





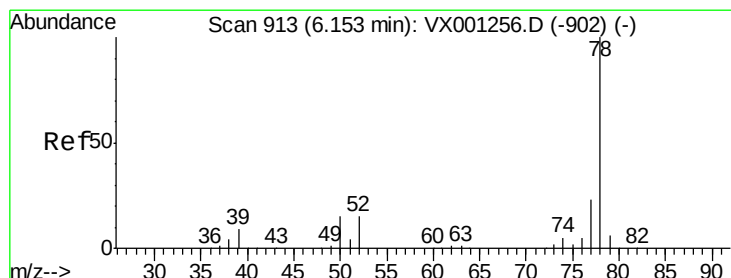
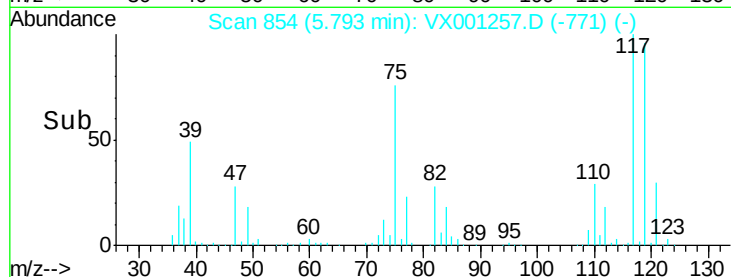
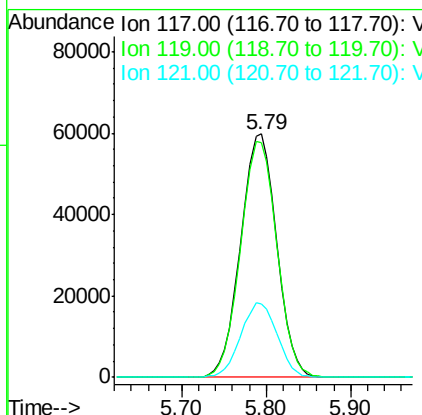
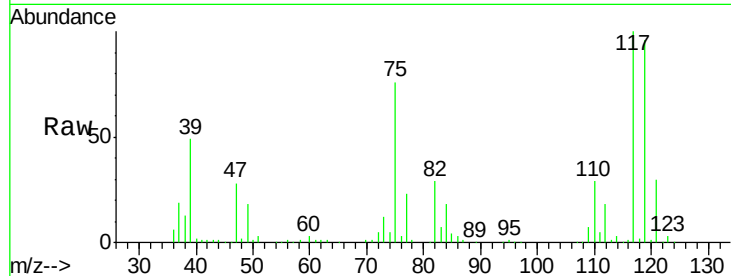
#33
Carbon Tetrachloride
Concen: 51.30 ug/l
RT: 5.79 min Scan# 854
Delta R.T. 0.01 min
Lab File: VX001257.D
Acq: 30 Apr 2018 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.3	73.5	110.3
121	30.1	24.6	37.0

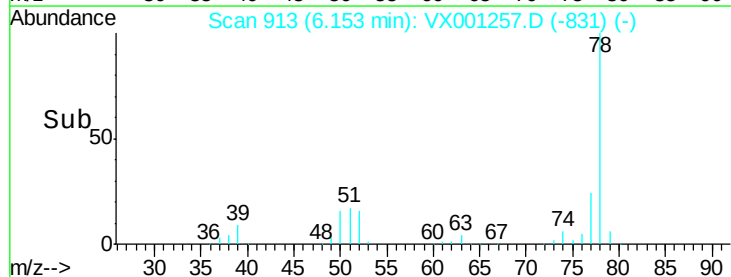
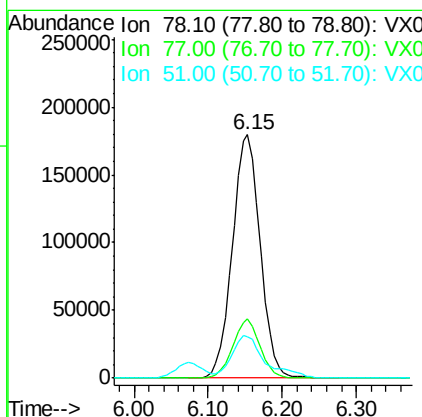
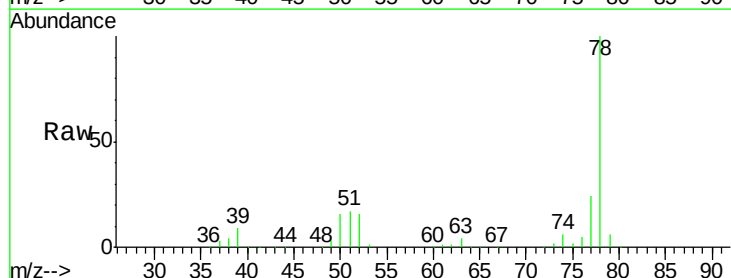
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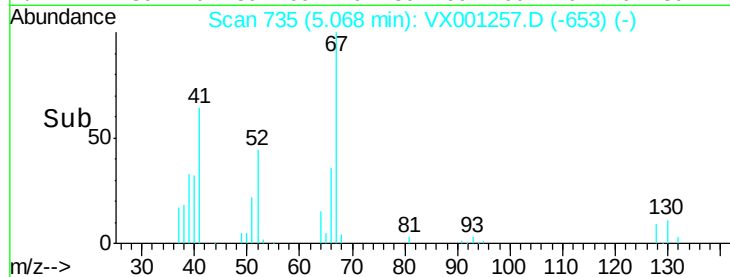
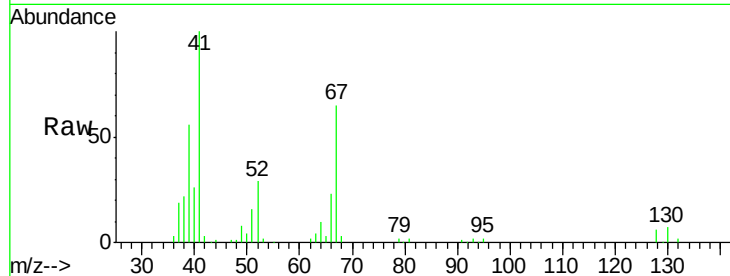
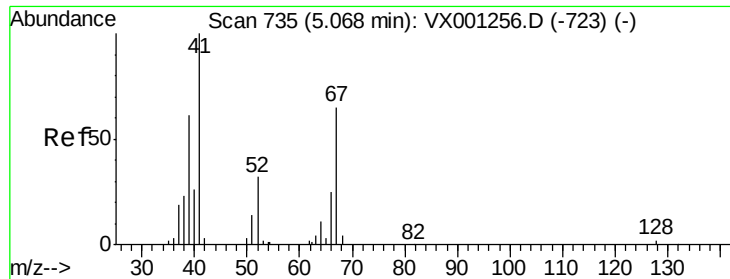
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#34
Benzene
Concen: 51.96 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.00 min
Lab File: VX001257.D
Acq: 30 Apr 2018 11:27

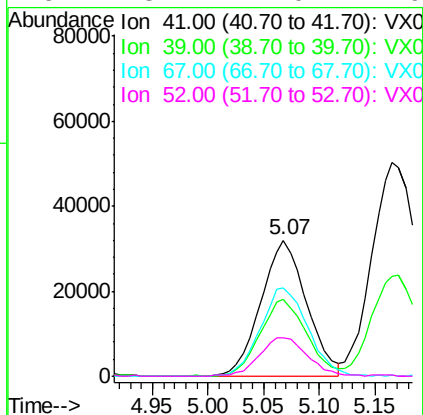
Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	21.7	32.5
51	16.9	14.9	22.3





#35
Methacrylonitrile
Concen: 40.69 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX001257.D
Acq: 30 Apr 2018 11:27

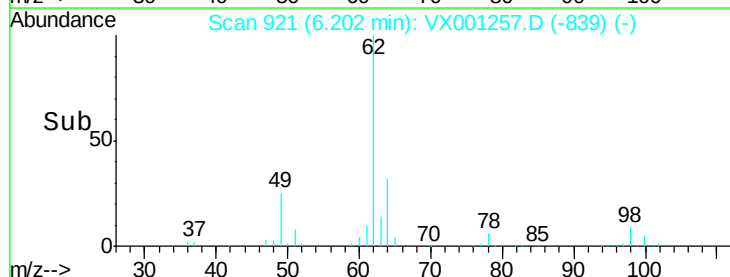
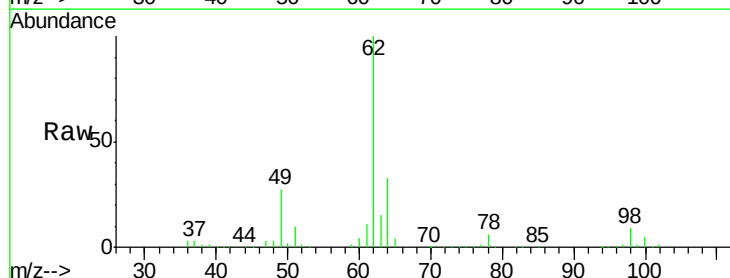
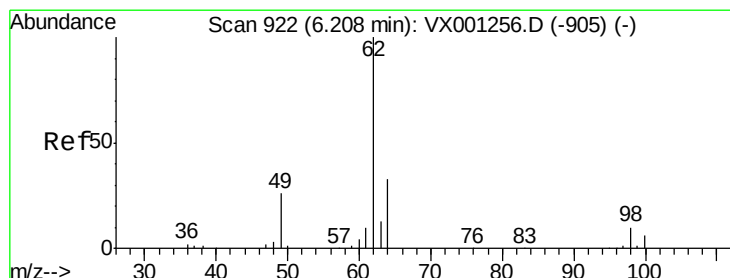
Tot Ion	Ratio	Lower	Upper
41	100		
39	55.9	29.8	89.3
67	64.8	28.7	86.3
52	28.7	14.0	41.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

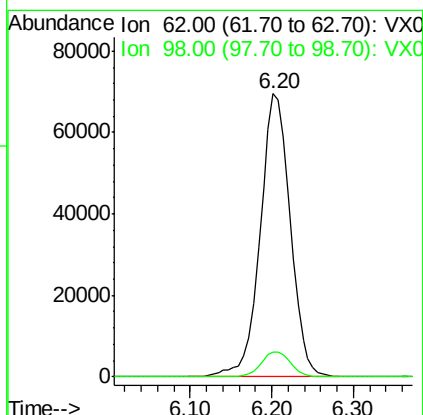
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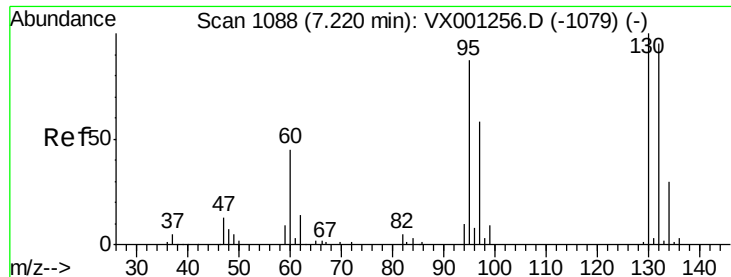
MMDadoda
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#36
1,2-Dichloroethane
Concen: 52.05 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX001257.D
Acq: 30 Apr 2018 11:27

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	6.9	10.3





#37

Trichloroethene

Concen: 52.64 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VX001257.D

Acq: 30 Apr 2018 11:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion:130 Resp: 140910

Ion Ratio Lower Upper

130 100

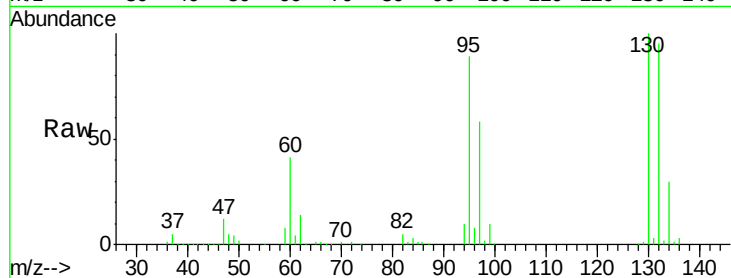
95 88.4 74.6 112.0

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

7.22

80000

60000

40000

20000

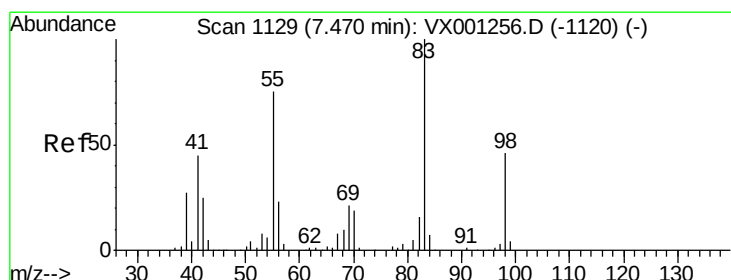
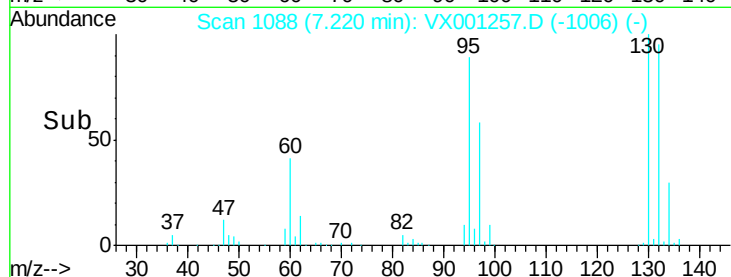
0

Time-->

7.10

7.20

7.30



#38

Methylcyclohexane

Concen: 49.38 ug/l

RT: 7.47 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VX001257.D

Acq: 30 Apr 2018 11:27

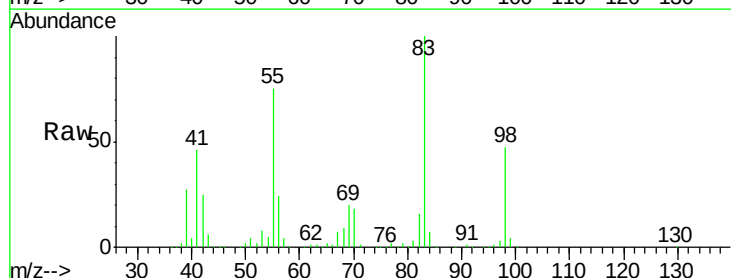
Tgt Ion: 83 Resp: 186315

Ion Ratio Lower Upper

83 100

55 76.5 35.9 107.7

98 47.4 24.6 74.0



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

7.47

100000

80000

60000

40000

20000

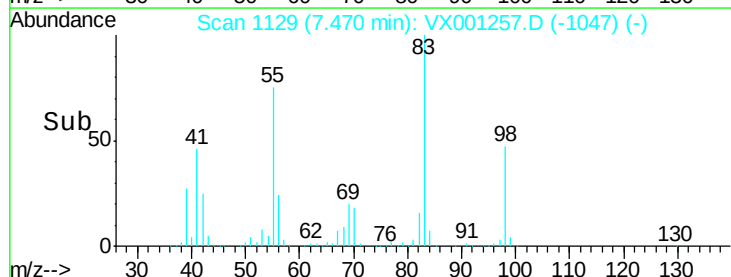
0

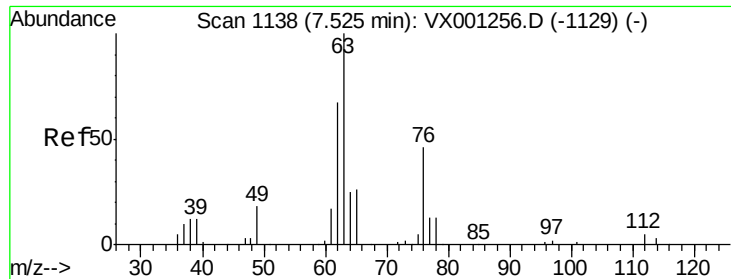
Time-->

7.40

7.50

7.60





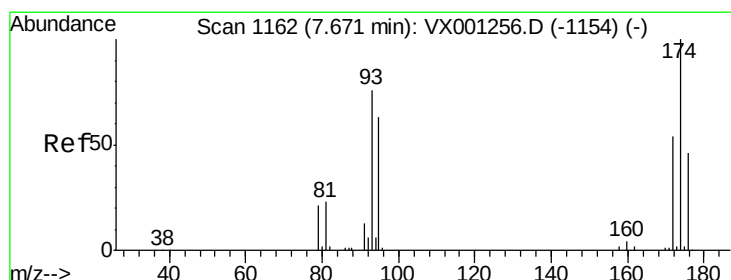
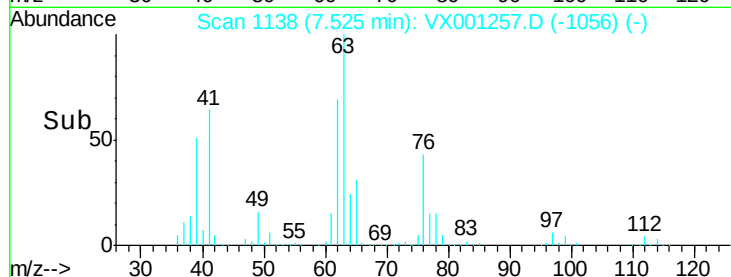
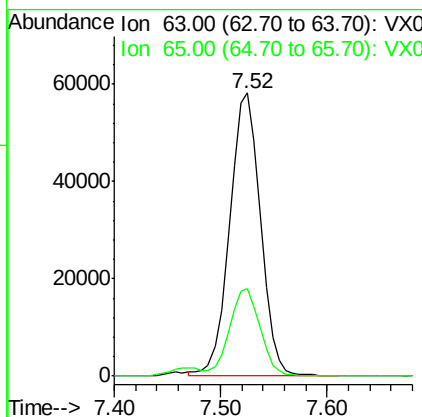
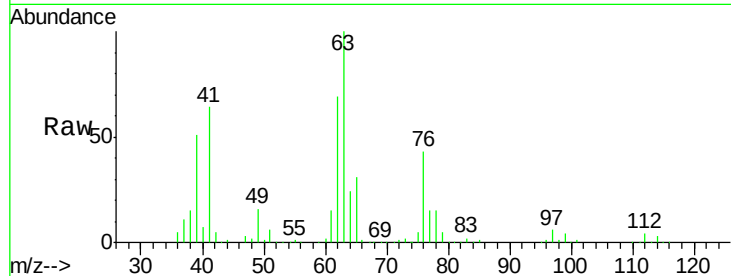
#39
 1,2-Dichloropropane
 Concen: 52.47 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VX001257.D
 Acq: 30 Apr 2018 11:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	63	Resp	118634
Ion Ratio	100	Lower	Upper
63	100		
65	31.0	25.0	37.6

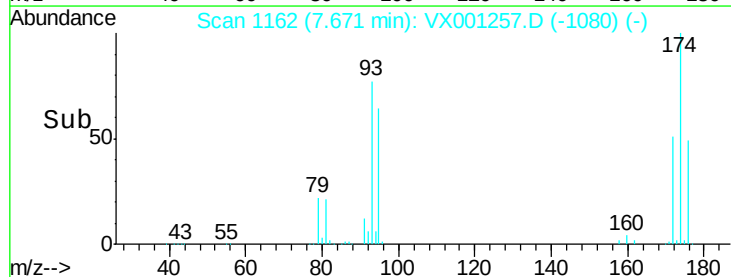
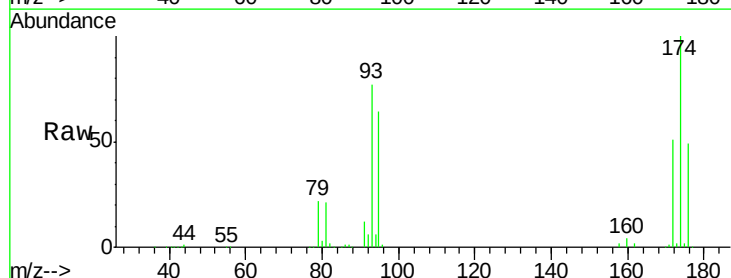
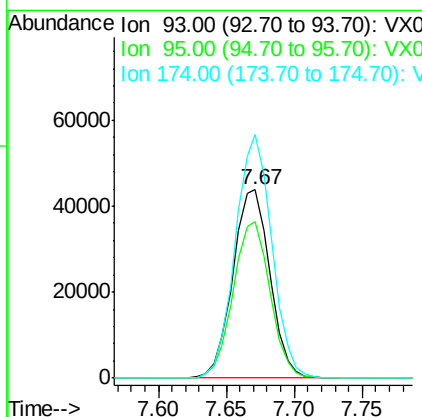
Manual Integrations
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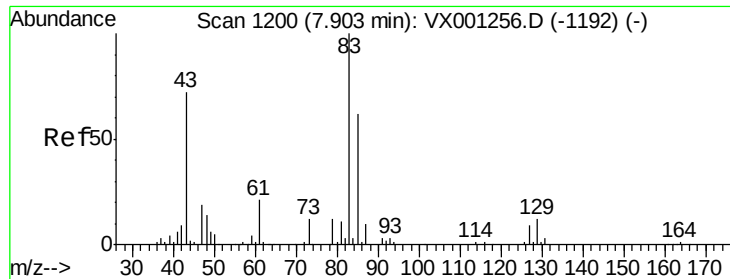
MMDadoda
 5/2/2018 11:08:03 AM



#40
 Dibromomethane
 Concen: 48.04 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: VX001257.D
 Acq: 30 Apr 2018 11:27

Tgt Ion	93	Resp	83679
Ion Ratio	100	Lower	Upper
93	100		
95	82.7	0.0	170.6
174	127.0	0.0	210.4





#41

Bromodichloromethane

Concen: 47.71 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX001257.D

Acq: 30 Apr 2018 11:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 83 Resp: 157972

Ion Ratio Lower Upper

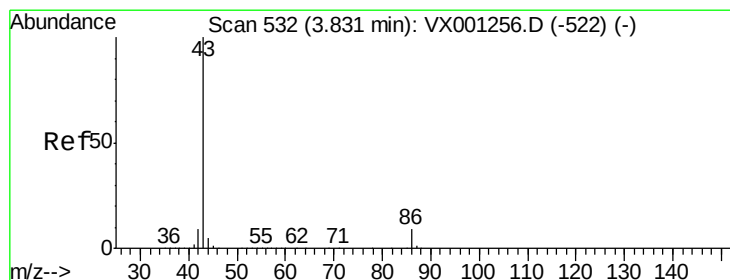
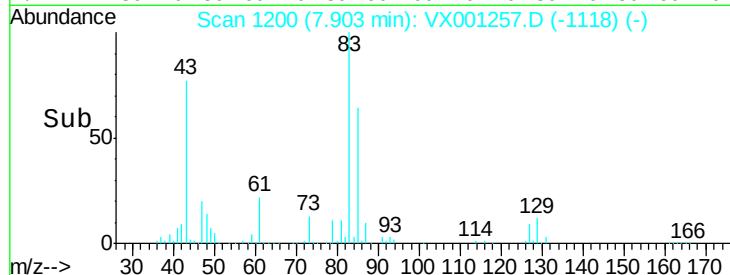
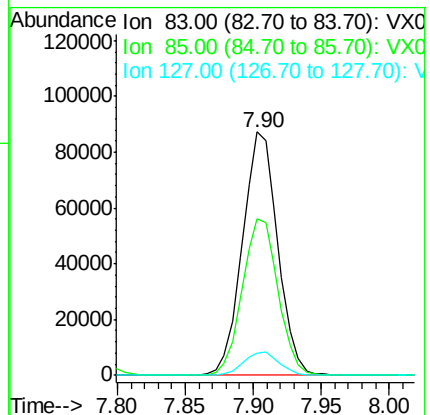
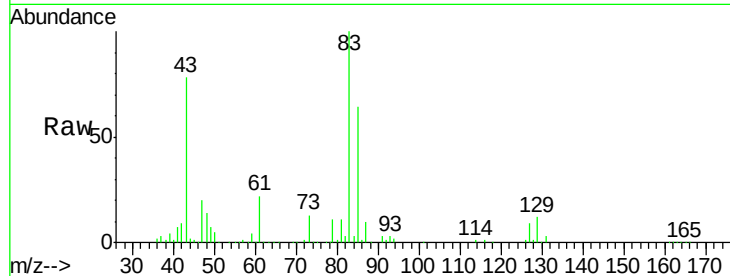
83 100

85 64.1 50.0 75.0

127 9.1 6.6 10.0

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#42

Vinyl Acetate

Concen: 256.69 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX001257.D

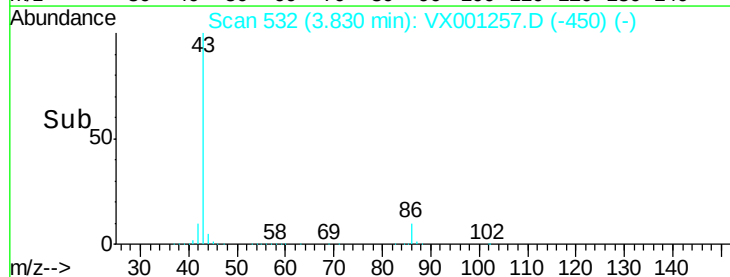
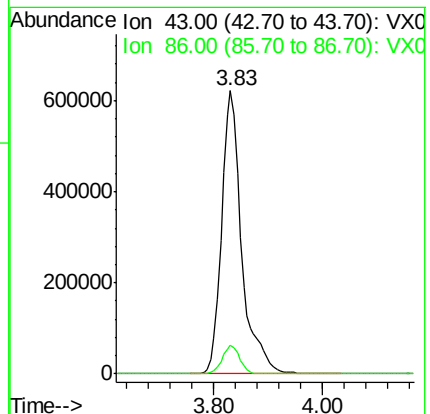
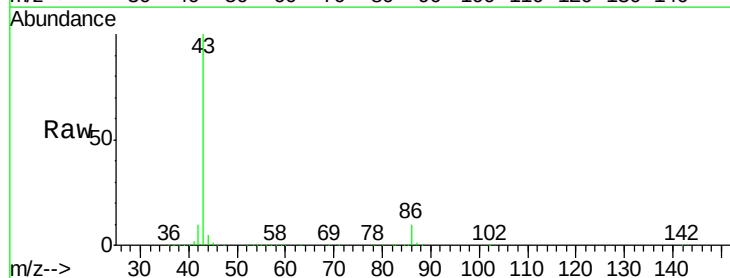
Acq: 30 Apr 2018 11:27

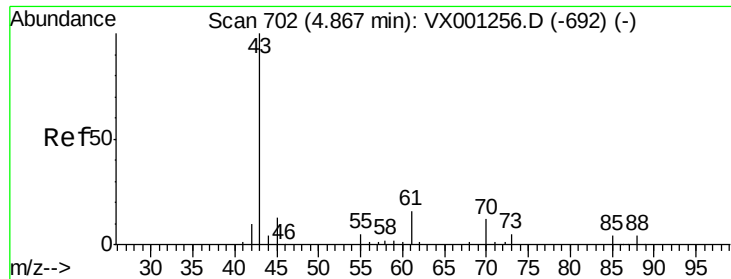
Tgt Ion: 43 Resp: 1584941

Ion Ratio Lower Upper

43 100

86 8.9 7.8 11.6





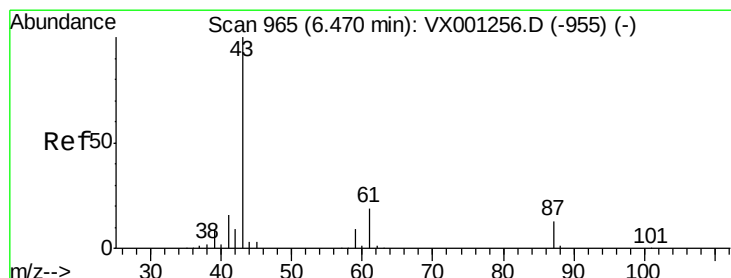
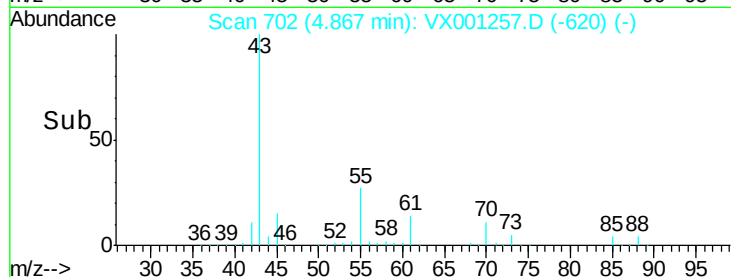
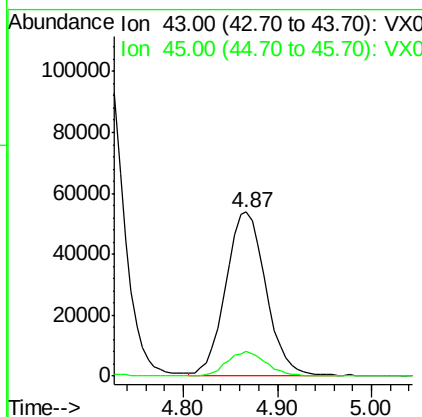
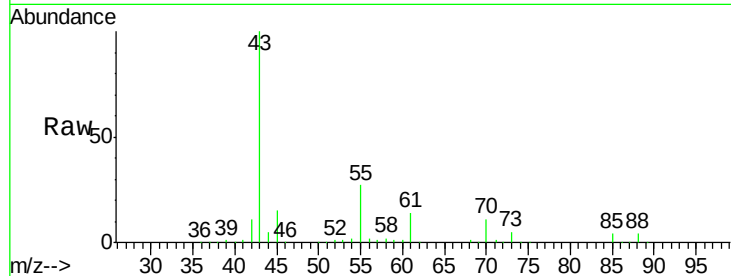
#43
Ethyl Acetate
Concen: 37.14 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.00 min
Lab File: VX001257.D
Acq: 30 Apr 2018 11:27

Instrument :
MSVOA_X
ClientSampled :
VSTDIC050

Tot Ion: 43 Resp: 158051
Ion Ratio Lower Upper
43 100
45 15.0 11.4 17.0

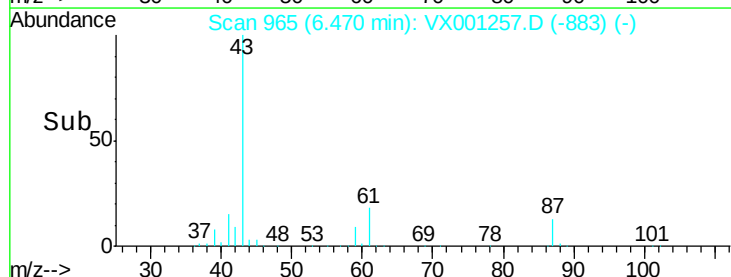
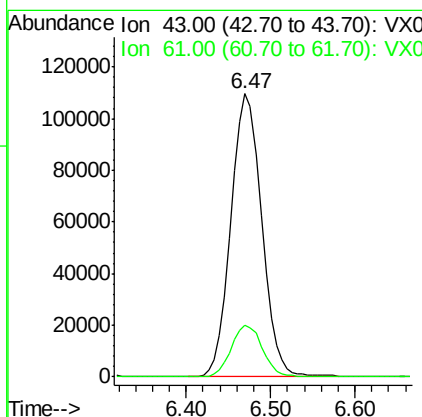
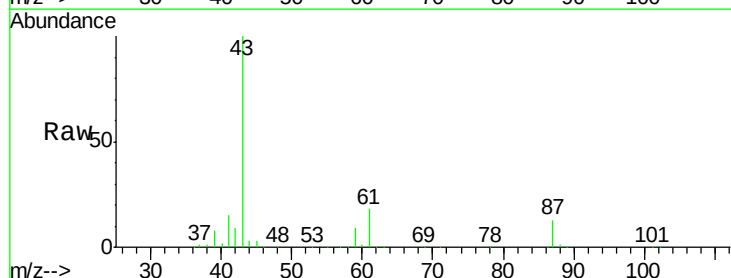
Manual Integrations
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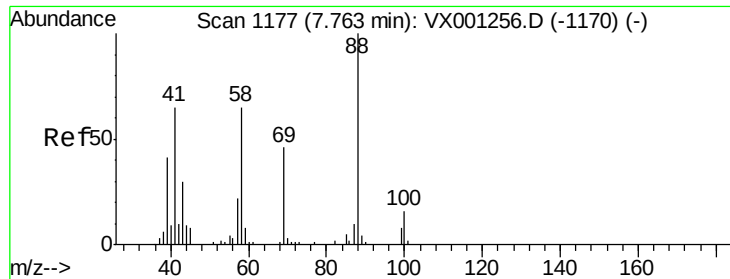
MMDadoda
5/2/2018 11:08:03 AM



#44
Isopropyl Acetate
Concen: 43.52 ug/l
RT: 6.47 min Scan# 965
Delta R.T. -0.00 min
Lab File: VX001257.D
Acq: 30 Apr 2018 11:27

Tgt Ion: 43 Resp: 271684
Ion Ratio Lower Upper
43 100
61 18.6 15.7 23.5





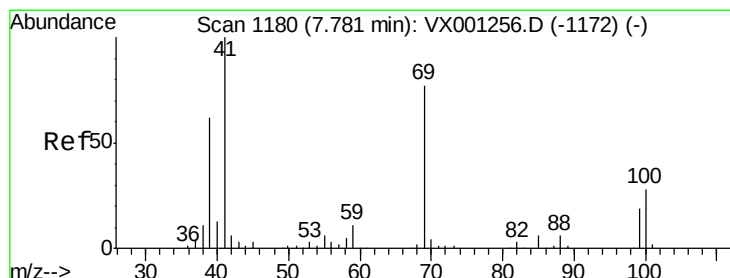
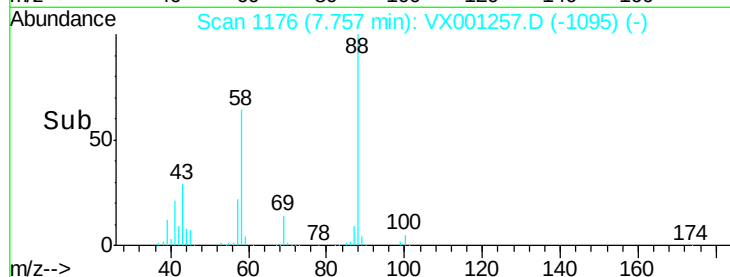
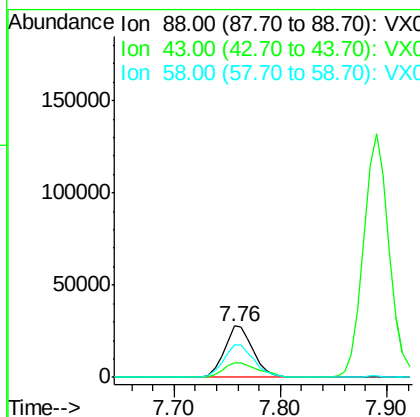
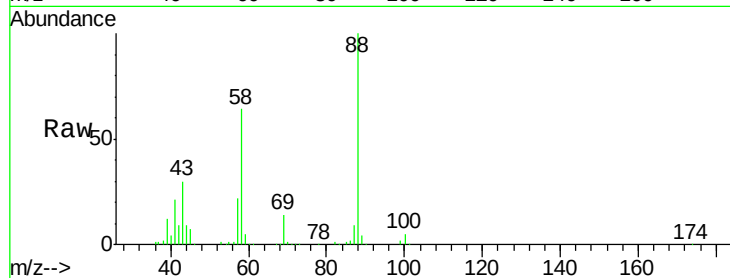
#45
 1,4-Dioxane
 Concen: 665.54 ug/l
 RT: 7.76 min Scan# 1176
 Delta R.T. -0.01 min
 Lab File: VX001257.D
 Acq: 30 Apr 2018 11:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.8	26.8	40.2
58	67.0	52.1	78.1

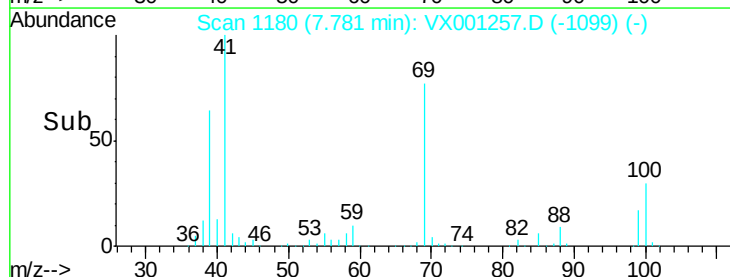
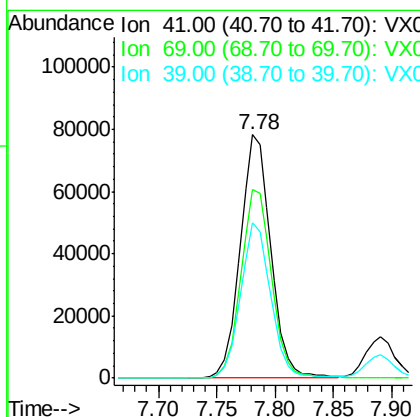
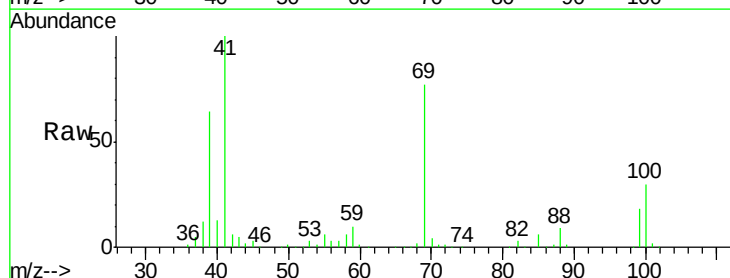
Manual Integrations
 APPROVED

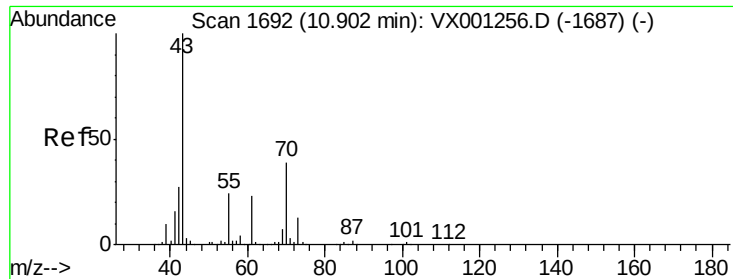
MMDadoda
 5/2/2018 11:08:03 AM



#46
 Methyl methacrylate
 Concen: 46.97 ug/l
 RT: 7.78 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VX001257.D
 Acq: 30 Apr 2018 11:27

Tgt Ion	Ratio	Lower	Upper
41	100		
69	77.3	45.5	136.5
39	63.7	32.5	97.5





#47

n-amvl Acetate

Concen: 47.97 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX001257.D

Acq: 30 Apr 2018 11:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 43 Resp: 261486

Ion Ratio Lower Upper

43 100

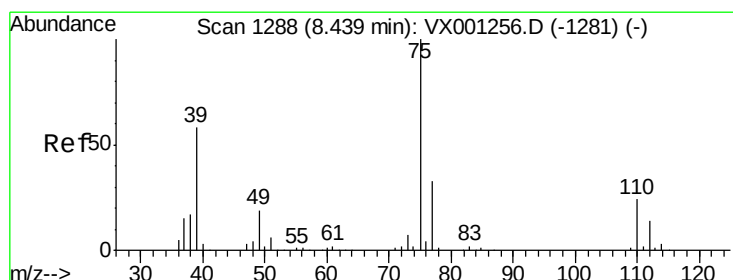
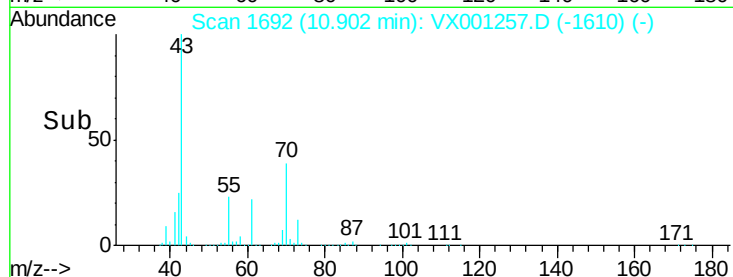
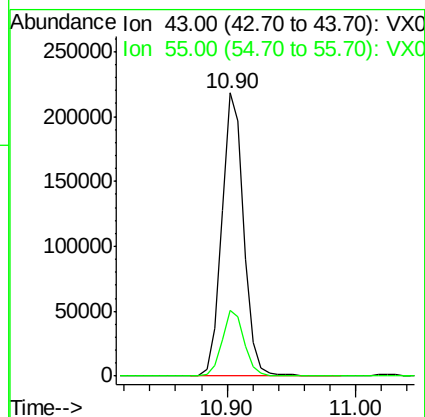
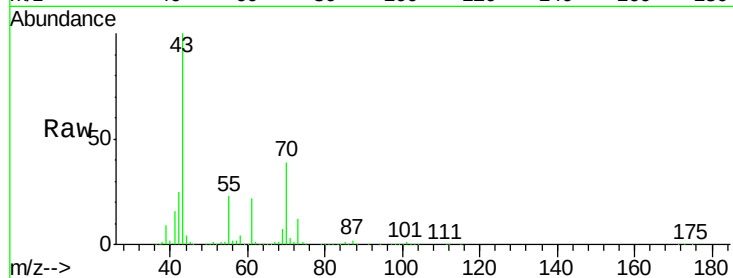
55 23.6 19.4 29.2

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 49.28 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VX001257.D

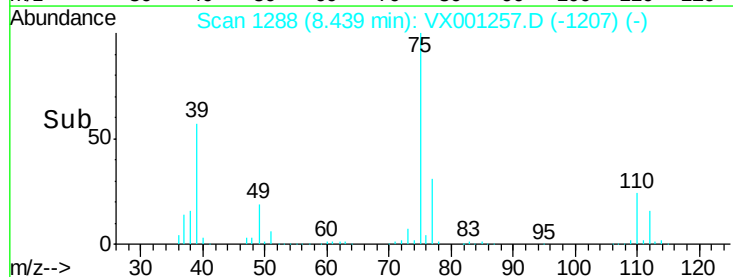
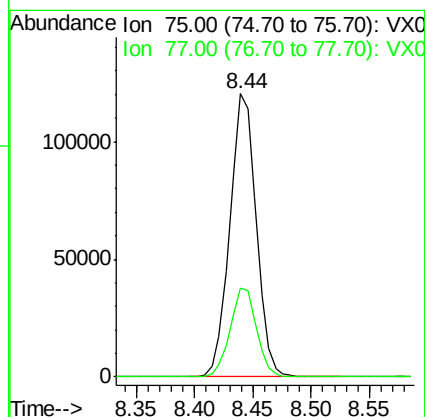
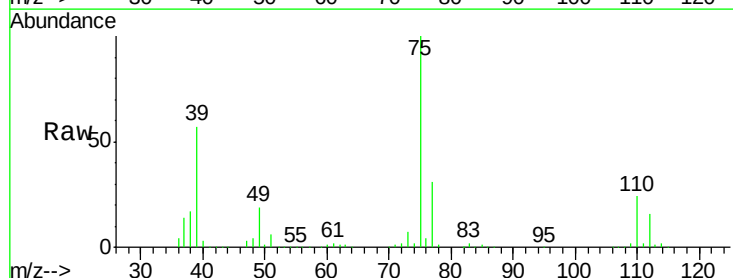
Acq: 30 Apr 2018 11:27

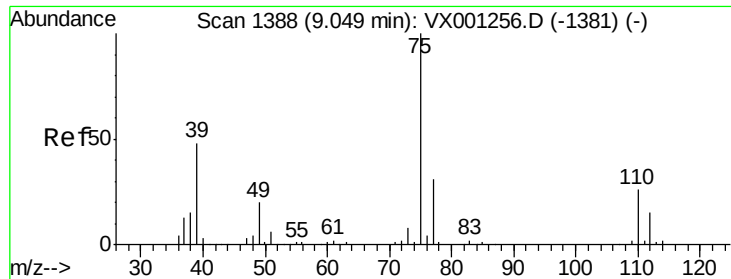
Tgt Ion: 75 Resp: 189946

Ion Ratio Lower Upper

75 100

77 31.3 24.6 37.0





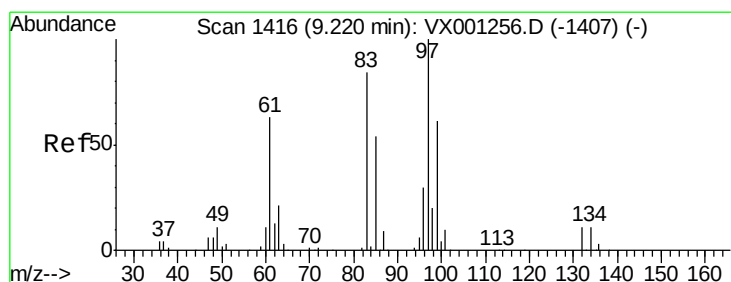
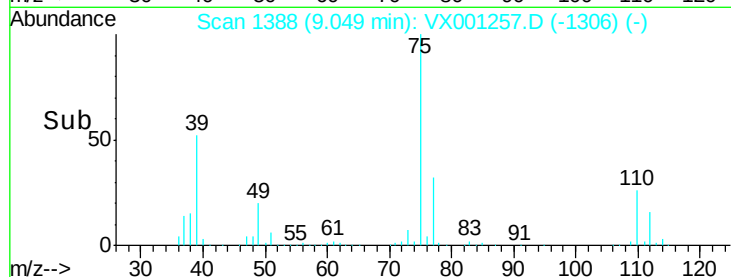
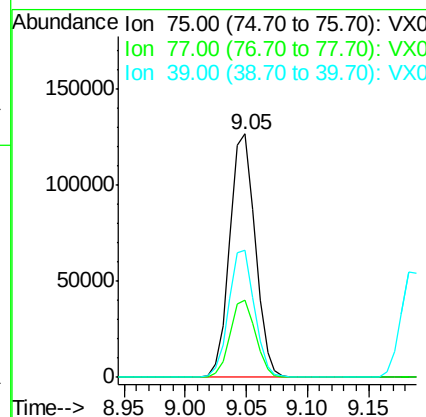
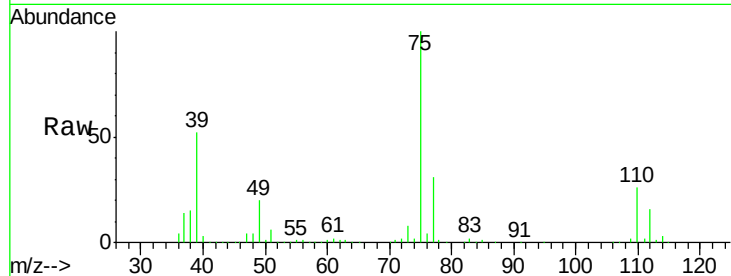
#49
 cis-1,3-Dichloropropene
 Concen: 48.84 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VX001257.D
 Acq: 30 Apr 2018 11:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp Lower	Upper
75	100		
77	31.5	24.5	36.7
39	52.2	35.6	53.4

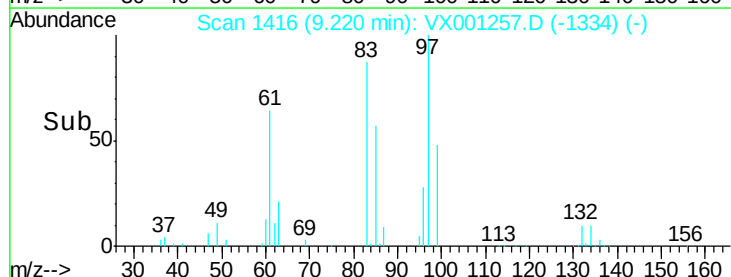
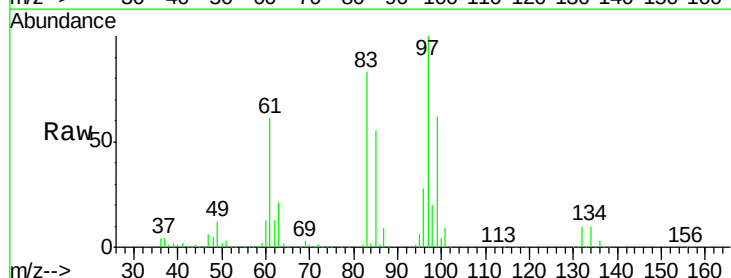
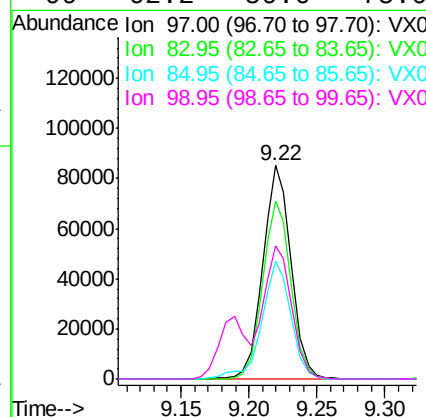
Manual Integrations
 APPROVED

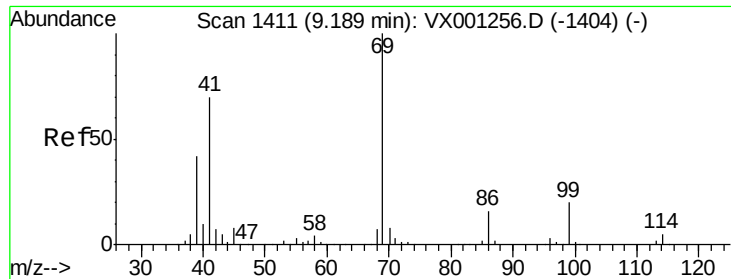
MMDadoda
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#50
 1,1,2-Trichloroethane
 Concen: 48.50 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX001257.D
 Acq: 30 Apr 2018 11:27

Tgt Ion	Ratio	Resp Lower	Upper
97	100		
83	83.3	66.9	100.3
85	55.1	44.4	66.6
99	62.2	50.0	75.0





#51

Ethyl methacrylate

Concen: 45.45 ug/l

RT: 9.19 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VX001257.D

Acq: 30 Apr 2018 11:27

Instrument :

MSVOA_X

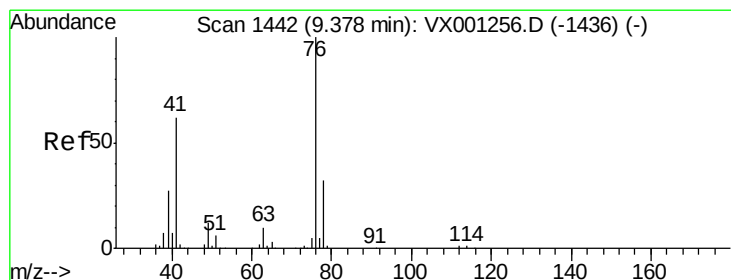
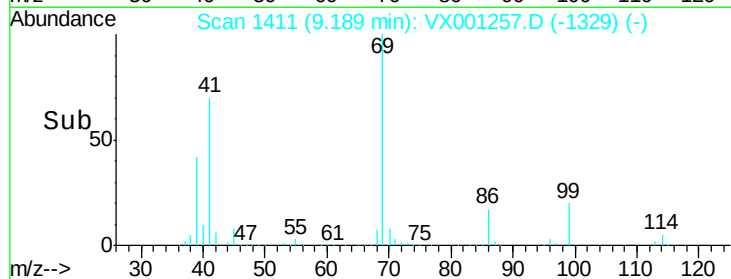
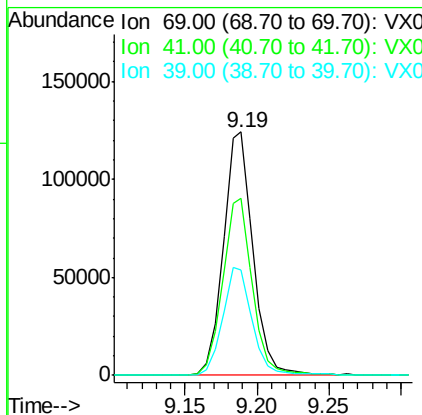
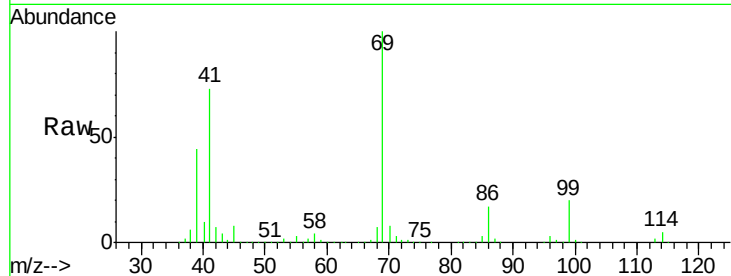
ClientSampleId :

VSTDIC050

Tot Ion:	69	Resp:	178090
Ion	Ratio	Lower	Upper
69	100		
41	72.8	32.1	96.3
39	43.4	19.6	58.7

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 49.38 ug/l

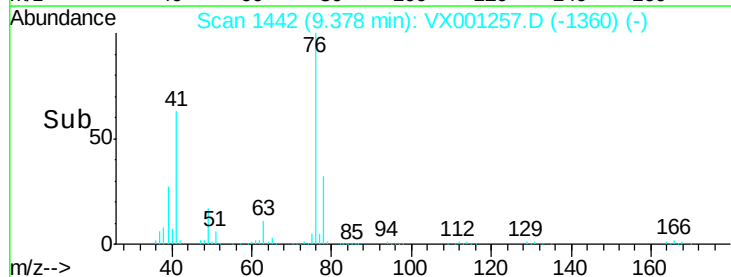
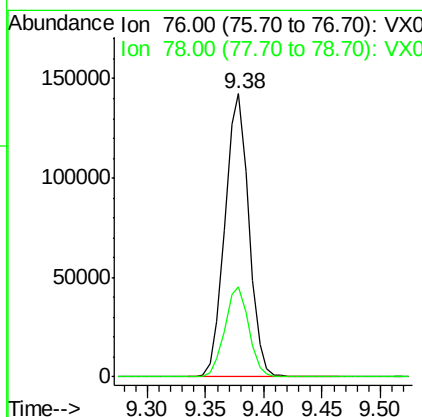
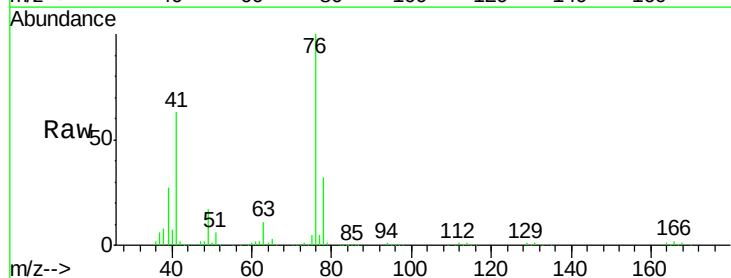
RT: 9.38 min Scan# 1442

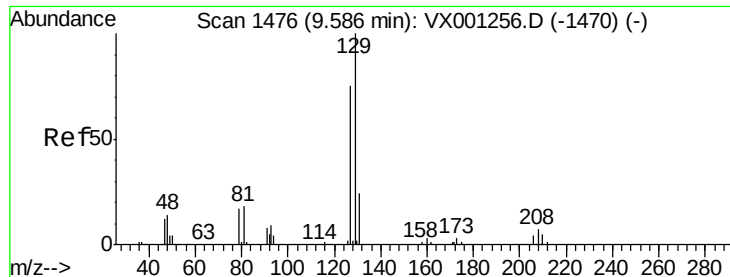
Delta R.T. -0.00 min

Lab File: VX001257.D

Acq: 30 Apr 2018 11:27

Tgt Ion:	76	Resp:	202566
Ion	Ratio	Lower	Upper
76	100		
78	32.0	0.0	65.0





#53

Dibromochloromethane

Concen: 49.26 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.01 min

Lab File: VX001257.D

Acq: 30 Apr 2018 11:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion:129 Resp: 140167

Ion Ratio Lower Upper

129 100

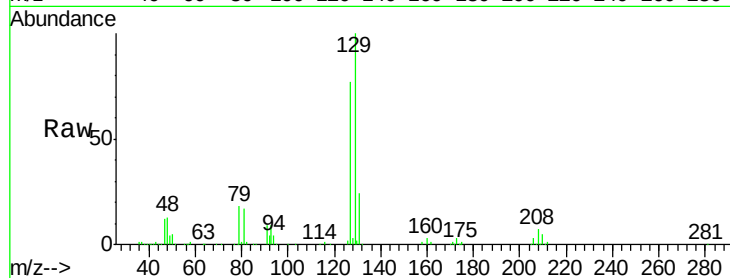
127 77.7 37.5 112.5

Manual Integrations

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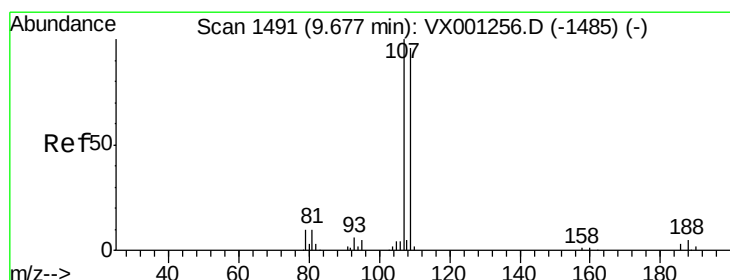
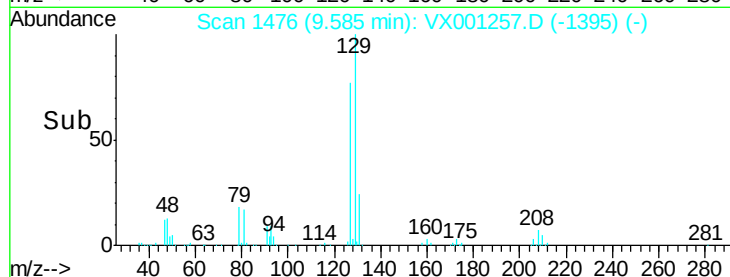
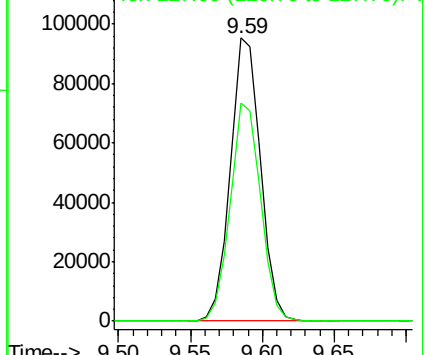
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 47.12 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX001257.D

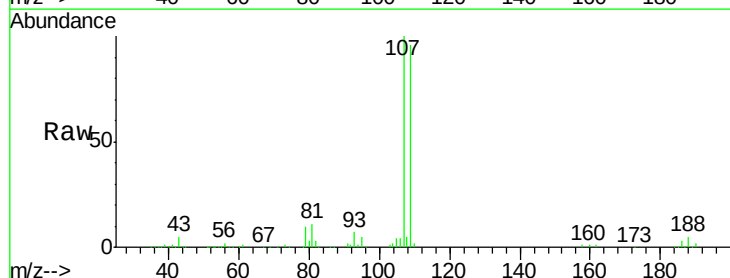
Acq: 30 Apr 2018 11:27

Tgt Ion:107 Resp: 134328

Ion Ratio Lower Upper

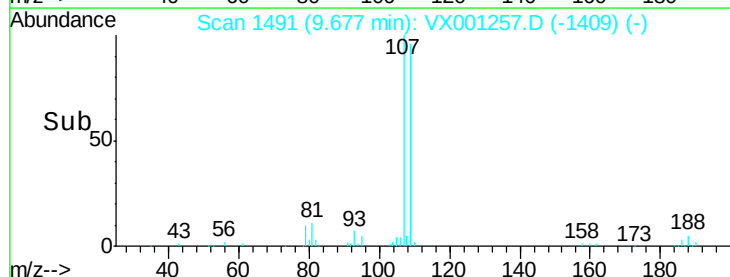
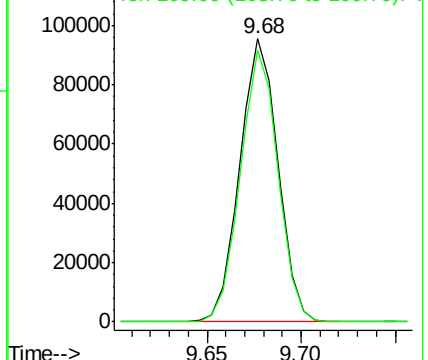
107 100

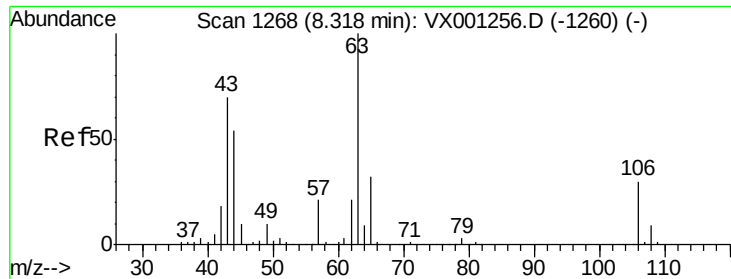
109 94.7 74.5 111.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





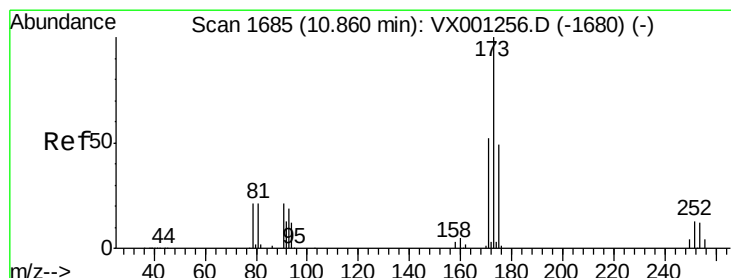
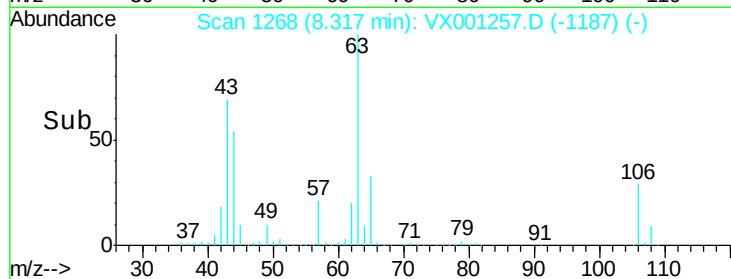
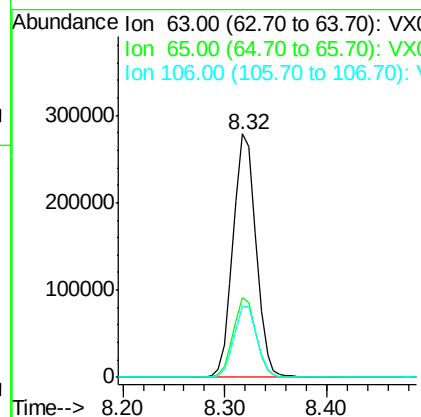
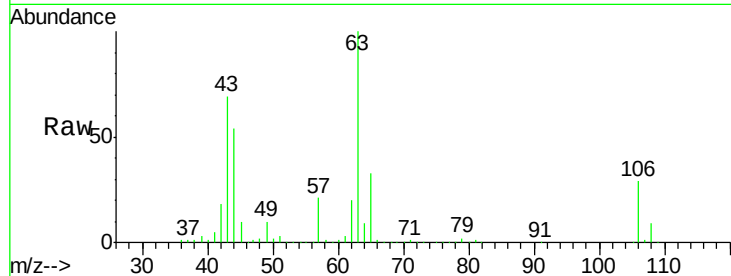
#55
2-Chloroethyl vinyl ether
Concen: 253.80 ug/l
RT: 8.32 min Scan# 1268
Delta R.T. -0.01 min
Lab File: VX001257.D
Acq: 30 Apr 2018 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.8	38.8
106	29.5	23.8	35.6

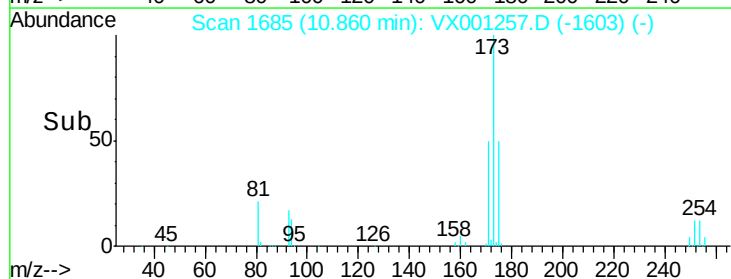
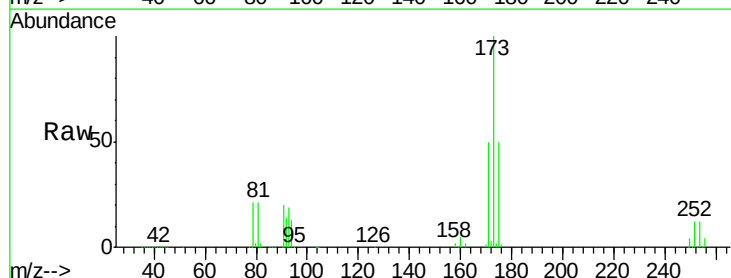
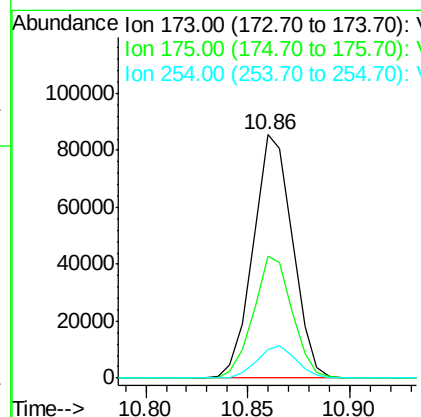
Manual Integrations
APPROVED

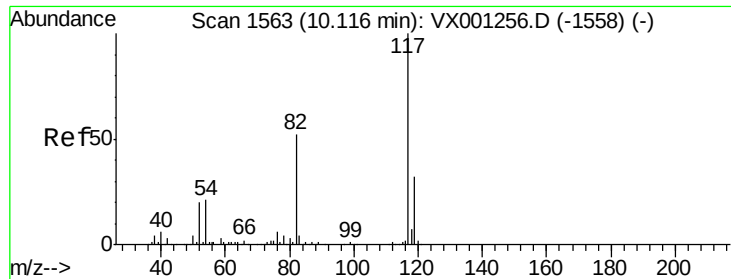
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#56
Bromoform
Concen: 50.00 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX001257.D
Acq: 30 Apr 2018 11:27

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.4	39.0	58.4
254	13.2	7.0	10.4





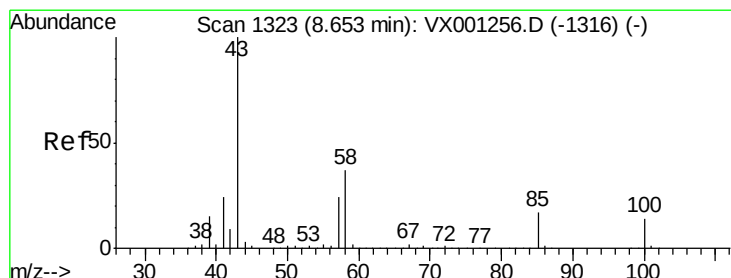
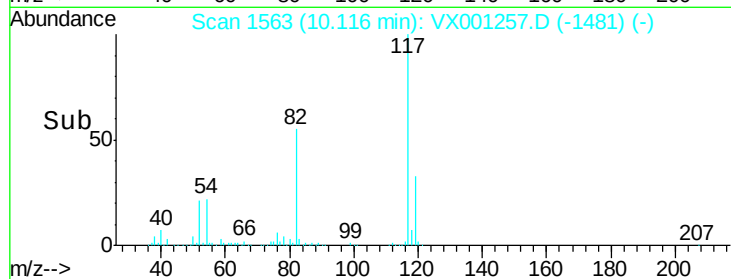
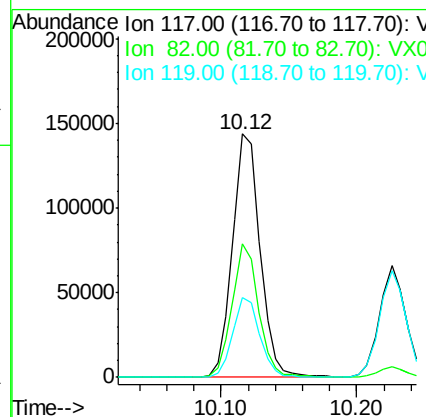
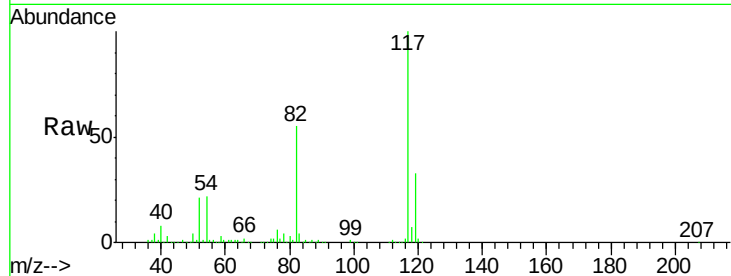
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX001257.D
Acq: 30 Apr 2018 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	203982		
82	52.7	43.0	64.4	
119	32.4	25.8	38.8	

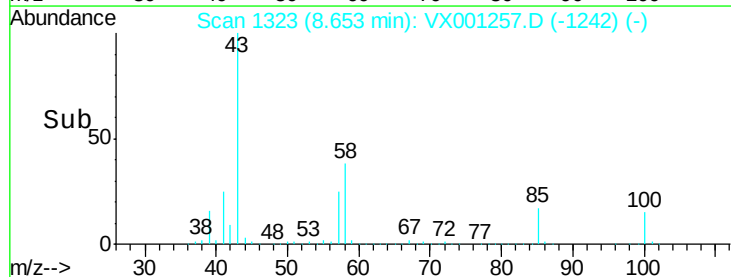
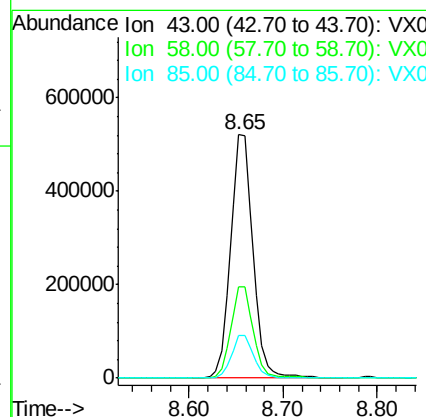
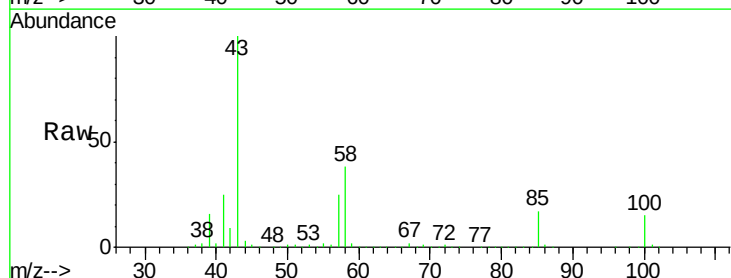
Manual Integrations
APPROVED

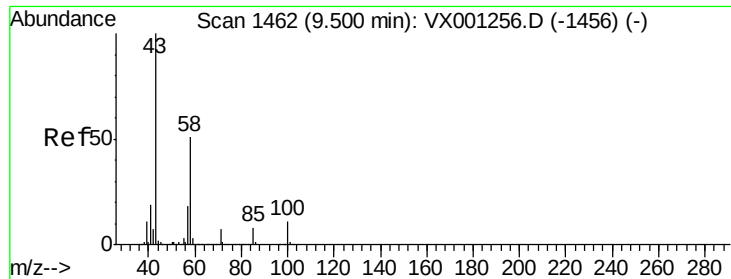
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#58
4-Methyl-2-Pentanone
Concen: 192.75 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.01 min
Lab File: VX001257.D
Acq: 30 Apr 2018 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	861210		
58	36.9	29.8	44.8	
85	17.4	14.9	22.3	





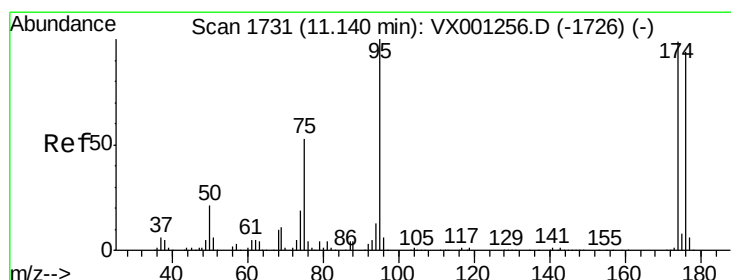
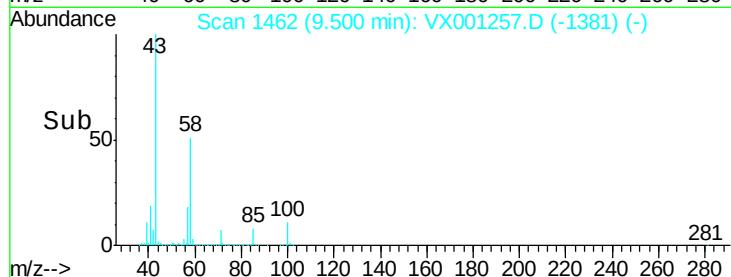
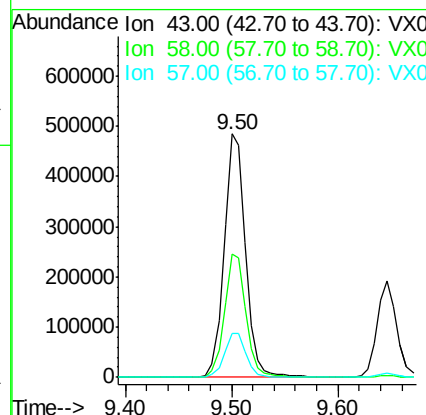
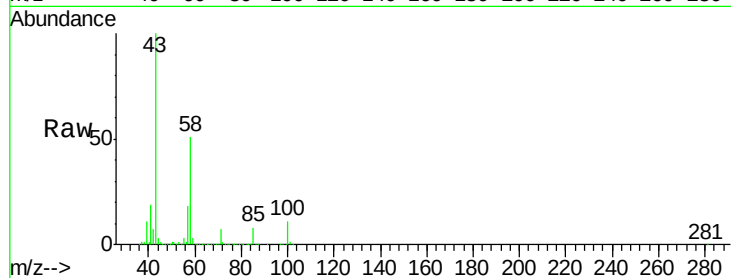
#59
2-Hexanone
Concen: 178.93 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX001257.D
Acq: 30 Apr 2018 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.2	43.0	64.6
57	18.5	14.4	21.6

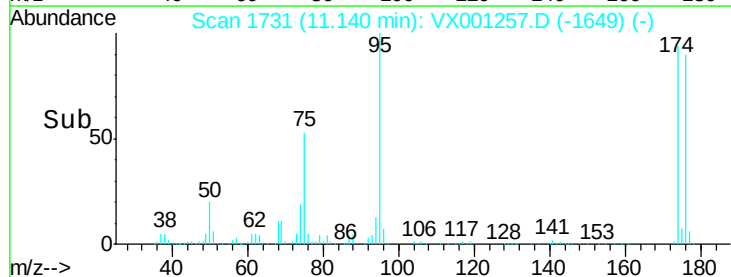
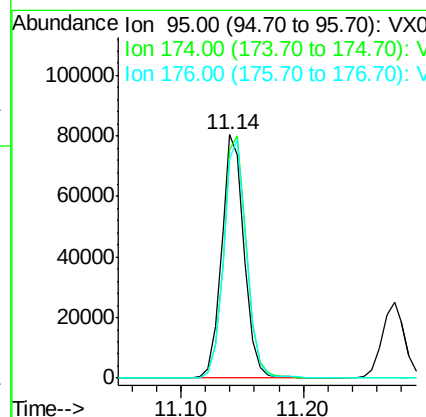
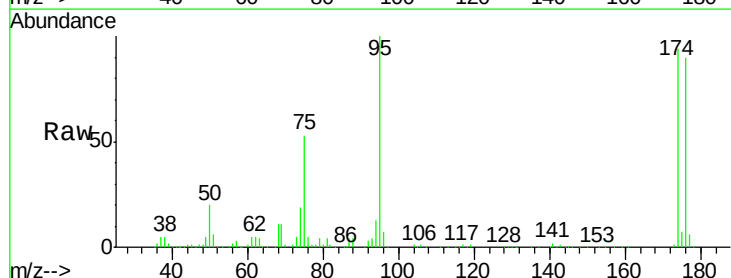
Manual Integrations
APPROVED

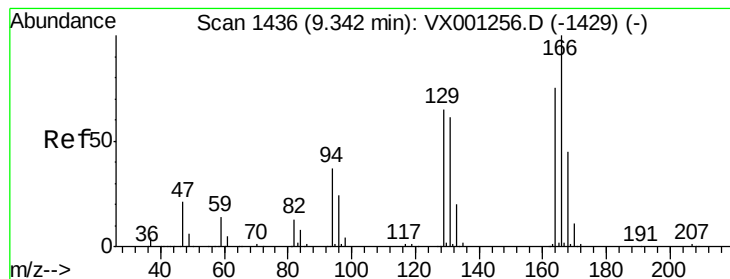
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 30.91 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001257.D
Acq: 30 Apr 2018 11:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	100.5	71.1	106.7
176	97.8	69.3	103.9





#61

Tetrachloroethene

Concen: 61.91 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.00 min

Lab File: VX001257.D

Acq: 30 Apr 2018 11:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion:164 Resp: 153346

Ion Ratio Lower Upper

164 100

166 128.1 99.0 148.4

129 84.3 77.0 115.6

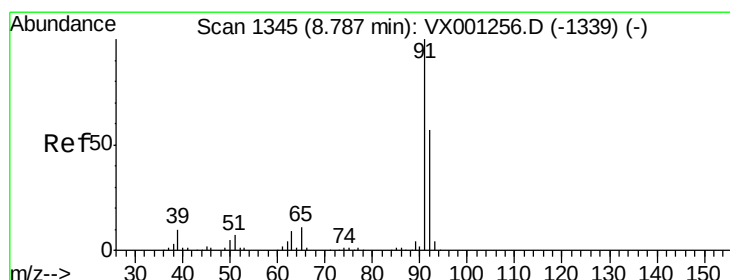
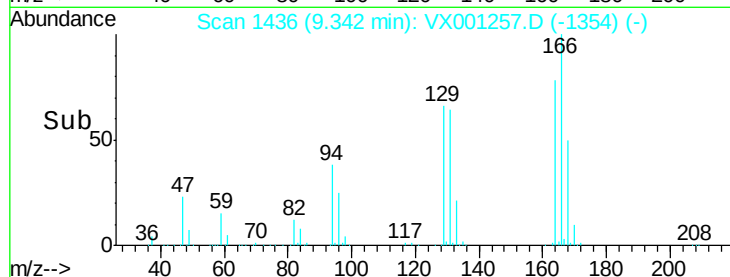
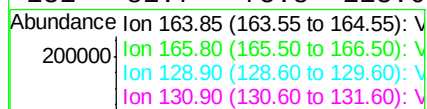
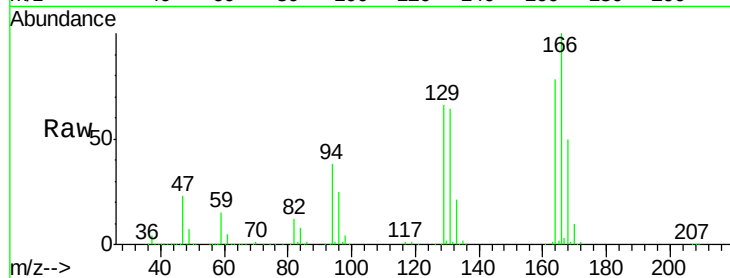
131 81.7 75.8 113.6

Manual Integrations

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#62

Toluene

Concen: 50.98 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX001257.D

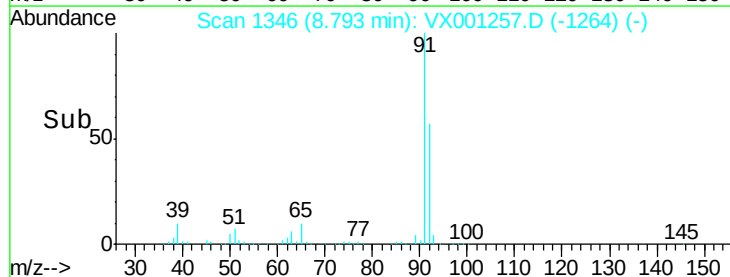
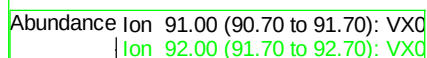
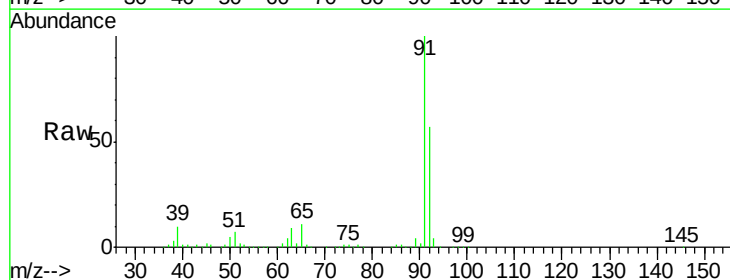
Acq: 30 Apr 2018 11:27

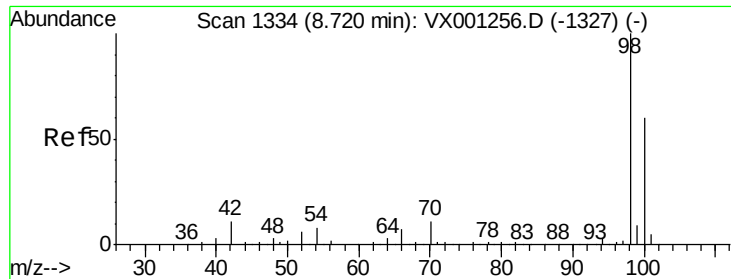
Tgt Ion: 91 Resp: 541066

Ion Ratio Lower Upper

91 100

92 57.0 45.4 68.0





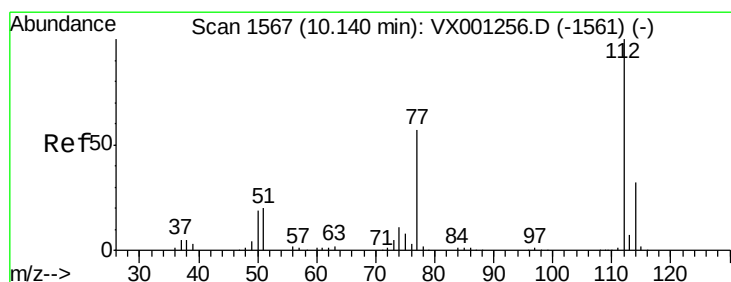
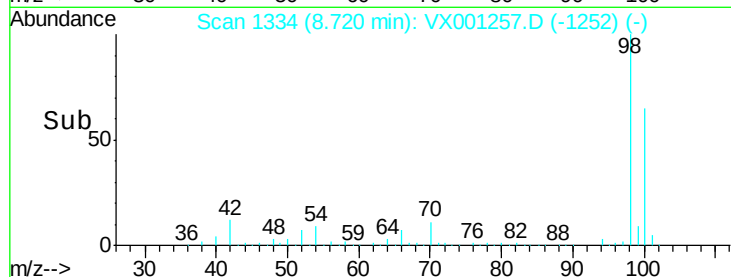
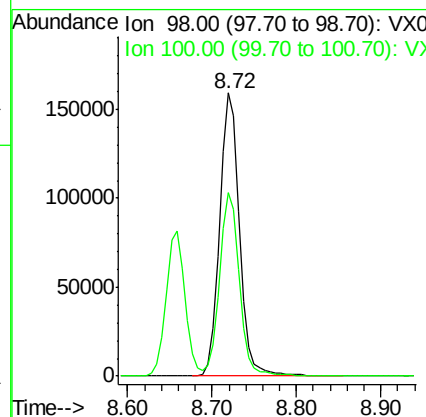
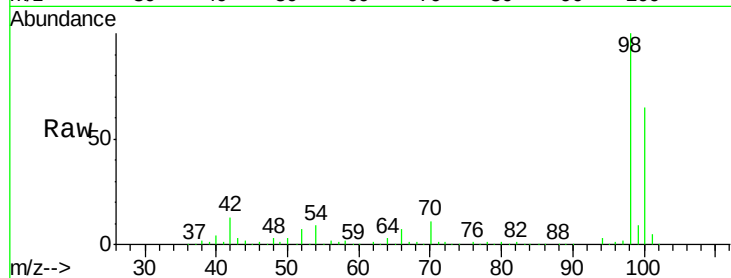
#63
Toluene-d8
Concen: 29.71 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001257.D
Acq: 30 Apr 2018 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion: 98 Resp: 259622
Ion Ratio Lower Upper
98 100
100 65.1 50.0 75.0

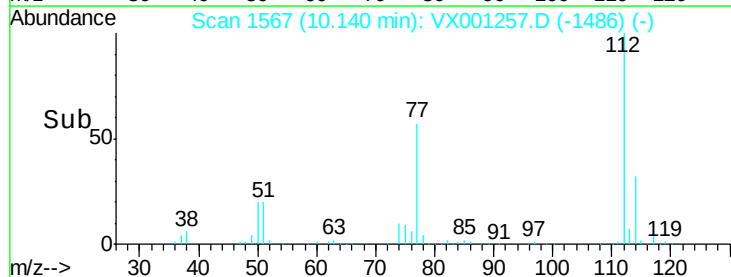
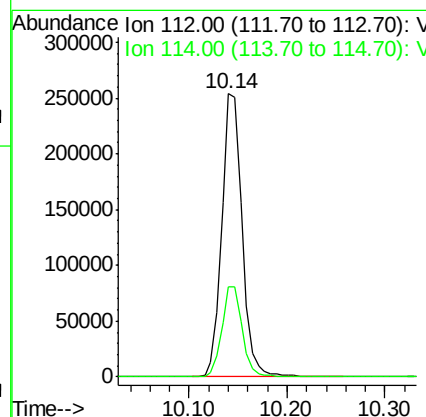
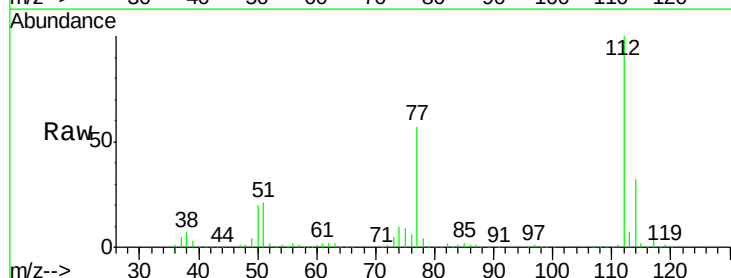
Manual Integrations
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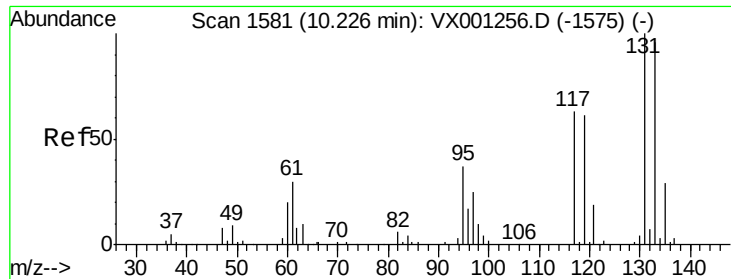
MMDadoda
5/2/2018 11:08:03 AM



#64
Chlorobenzene
Concen: 51.06 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX001257.D
Acq: 30 Apr 2018 11:27

Tgt Ion: 112 Resp: 366219
Ion Ratio Lower Upper
112 100
114 31.8 26.4 39.6





#65

1,1,1,2-Tetrachloroethane

Concen: 53.17 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX001257.D

Acq: 30 Apr 2018 11:27

Instrument :

MSVOA_X

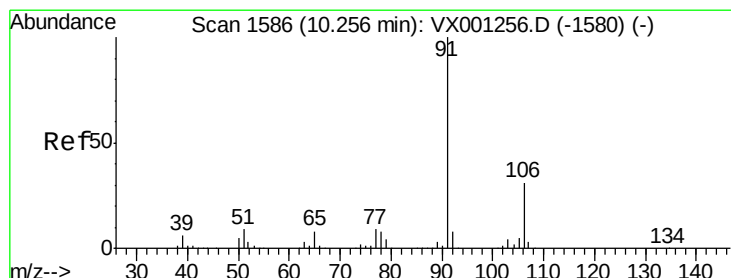
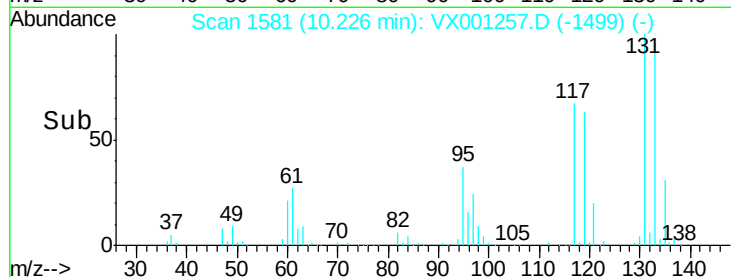
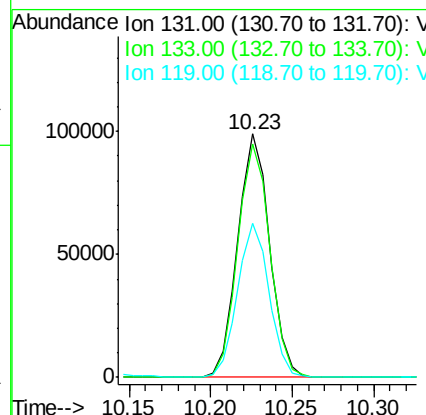
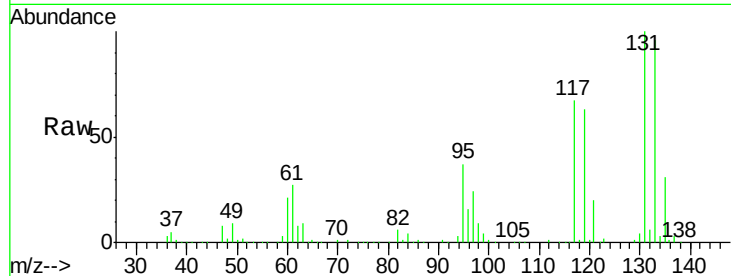
ClientSampled :

VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
131	100	135064		
133	96.7	0.0	187.6	
119	62.9	0.0	134.0	

Manual Integrations
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#66

Ethyl Benzene

Concen: 50.55 ug/l

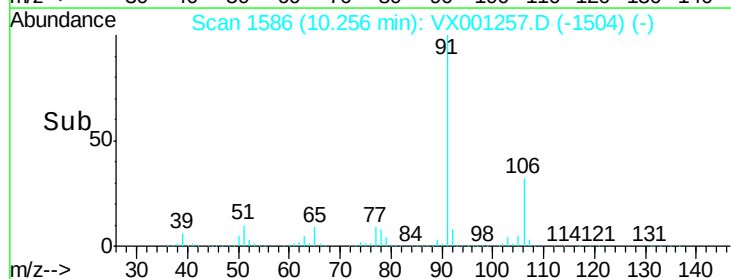
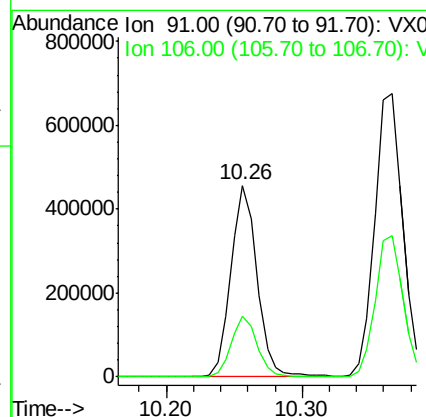
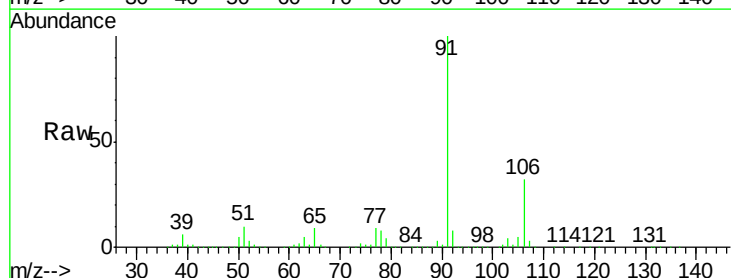
RT: 10.26 min Scan# 1586

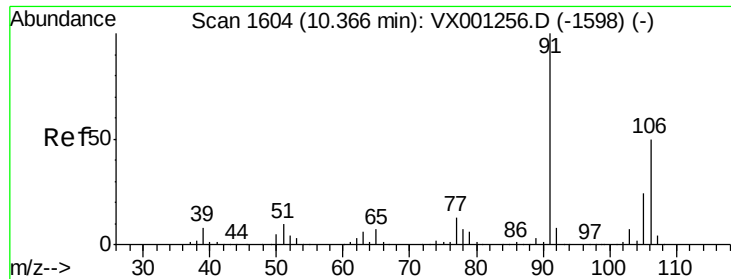
Delta R.T. -0.00 min

Lab File: VX001257.D

Acq: 30 Apr 2018 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	612379		
106	31.7	25.9	38.9	





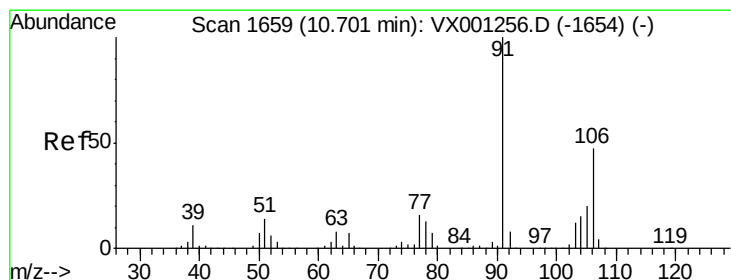
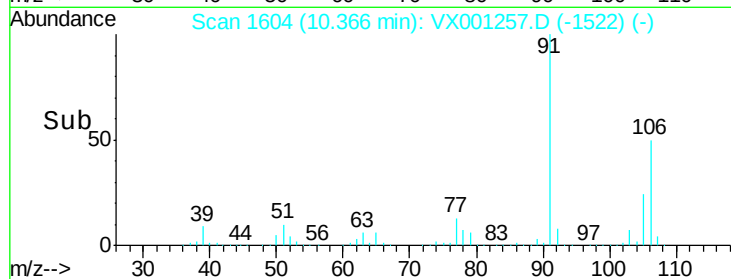
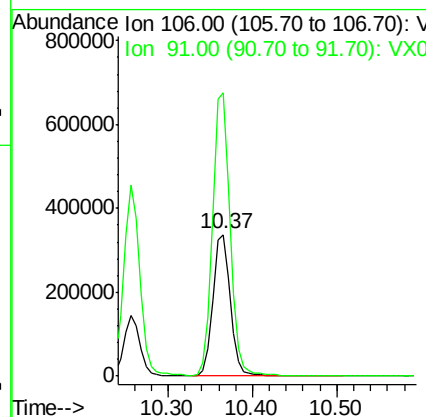
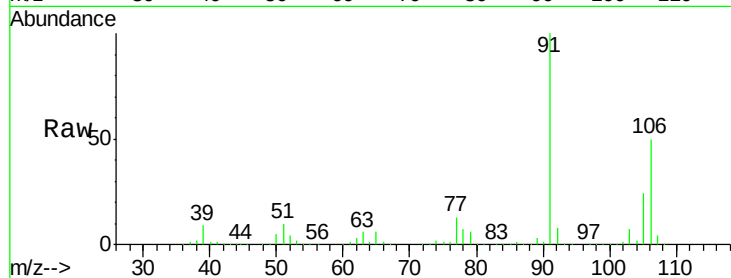
#67
m/p-Xylenes
Concen: 102.79 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX001257.D
Acq: 30 Apr 2018 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion:106 Resp: 488132
Ion Ratio Lower Upper
106 100
91 200.5 161.6 242.4

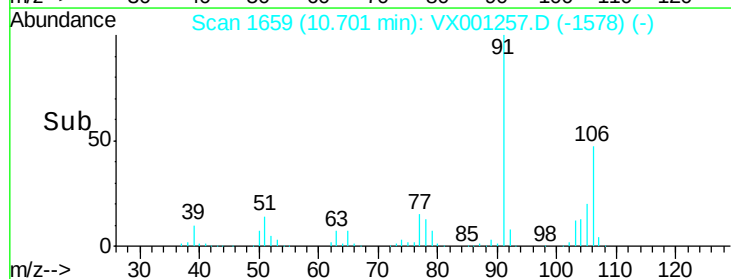
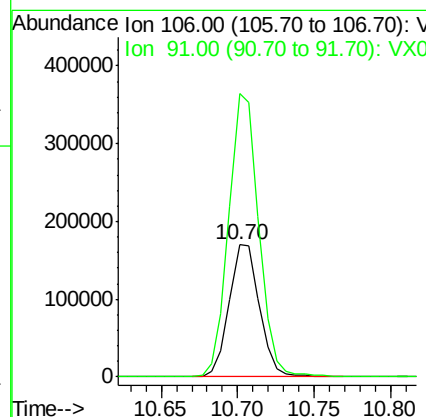
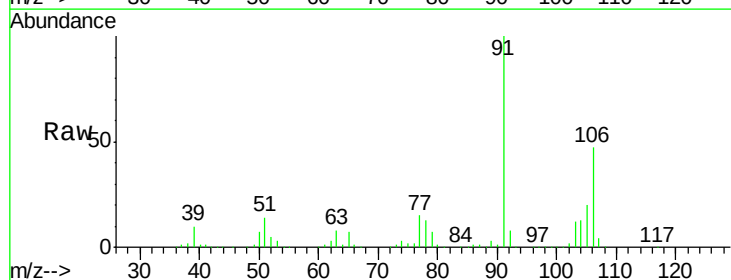
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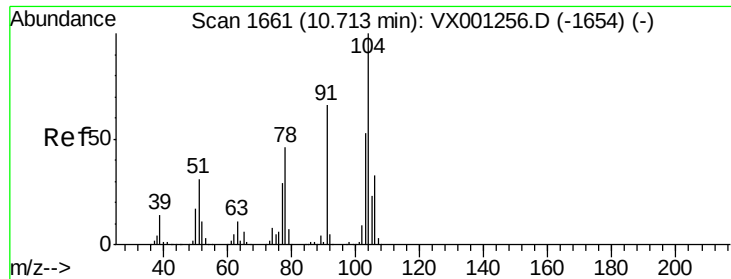
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#68
o-Xylene
Concen: 50.67 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX001257.D
Acq: 30 Apr 2018 11:27

Tgt Ion:106 Resp: 233708
Ion Ratio Lower Upper
106 100
91 213.3 105.6 316.8





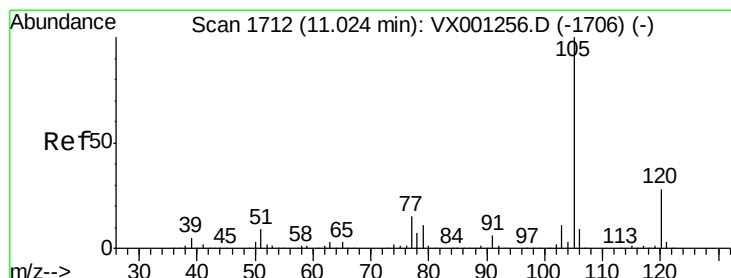
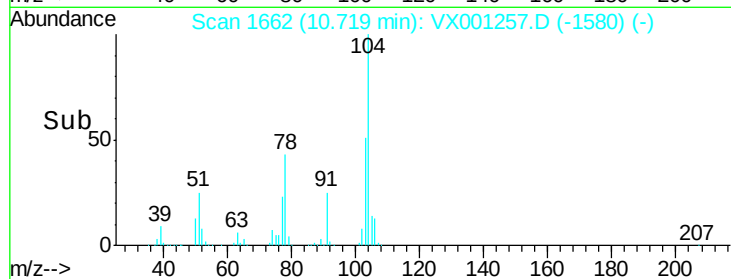
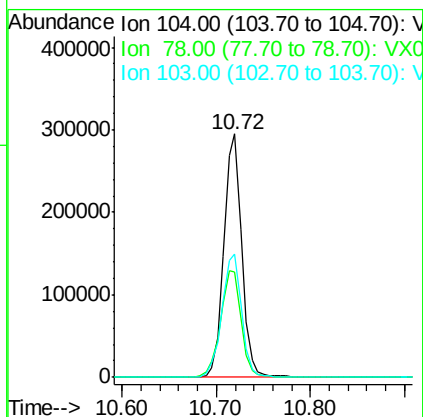
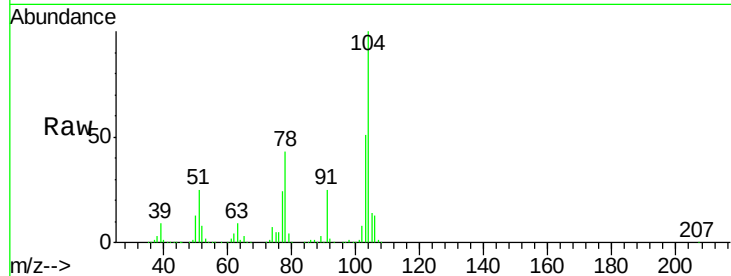
#69
Stvrene
Concen: 50.99 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX001257.D
Acq: 30 Apr 2018 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.4	39.0	58.4
103	56.0	44.7	67.1

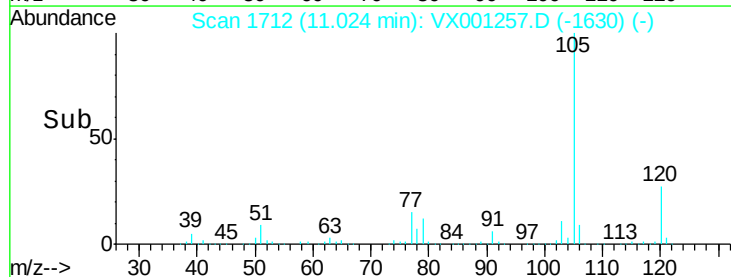
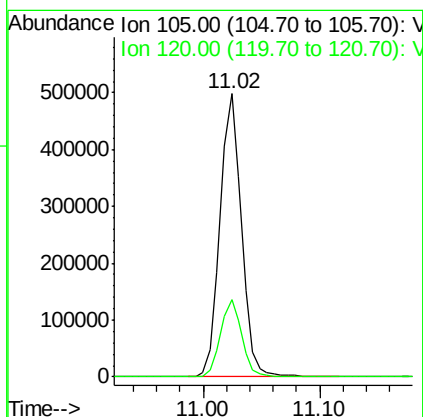
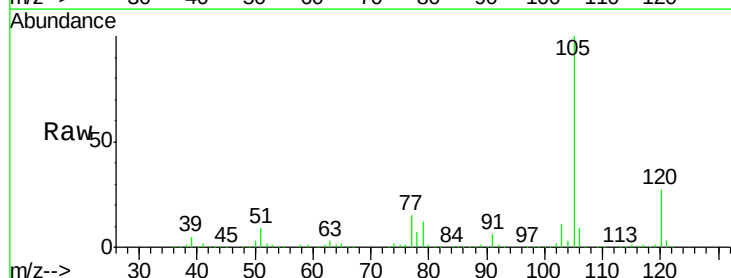
Manual Integrations
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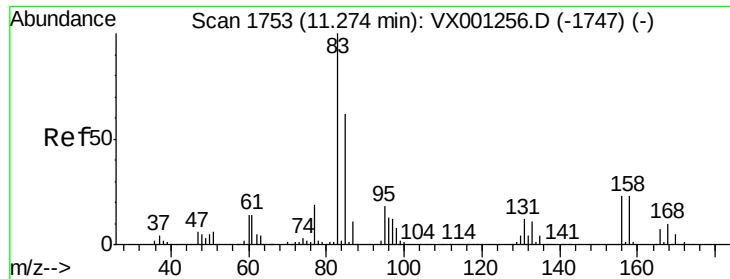
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#70
Isopropylbenzene
Concen: 50.84 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VX001257.D
Acq: 30 Apr 2018 11:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.0	18.8	35.0





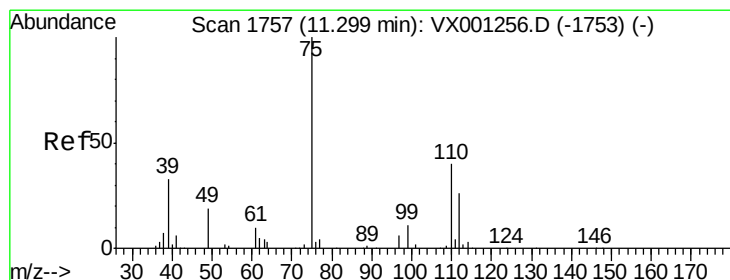
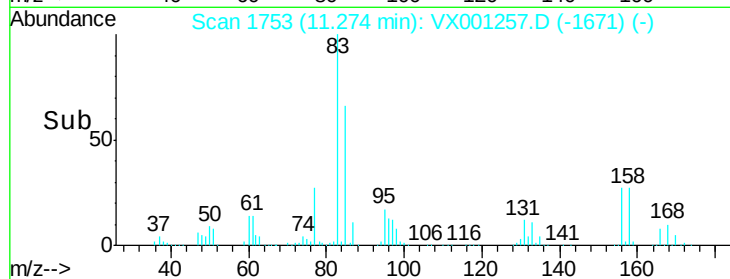
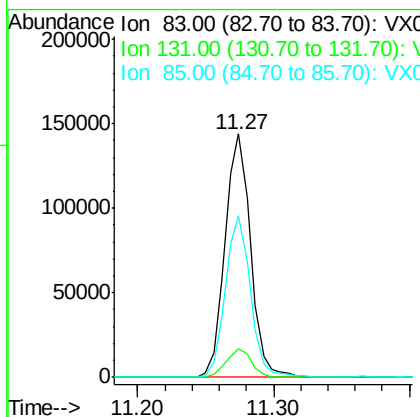
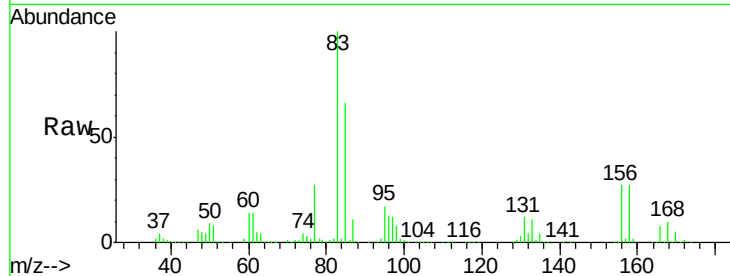
#71
 1,1,2,2-Tetrachloroethane
 Concen: 43.68 ug/l
 RT: 11.27 min Scan# 1753
 Delta R.T. -0.00 min
 Lab File: VX001257.D
 Acq: 30 Apr 2018 11:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	83	Resp	187426
Ion Ratio	100	Lower	Upper
83	100		
131	11.7	5.3	16.1
85	65.4	32.5	97.5

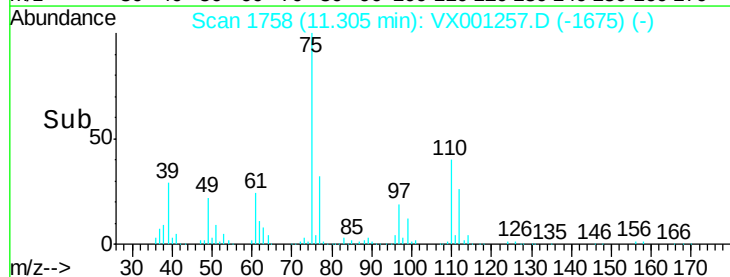
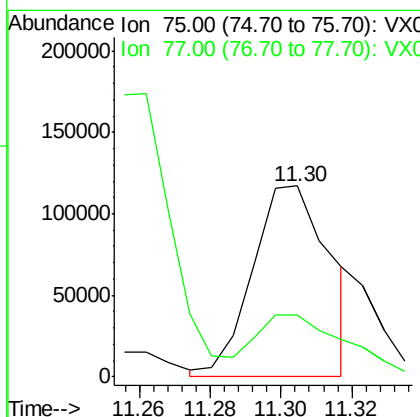
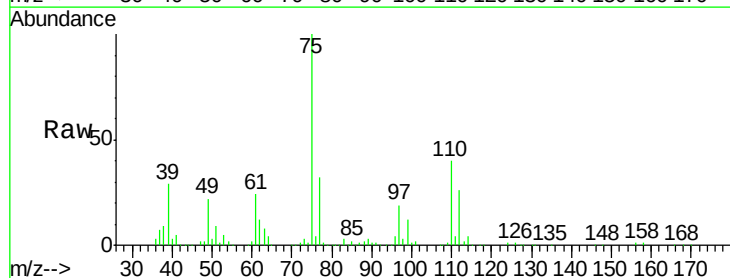
Manual Integrations
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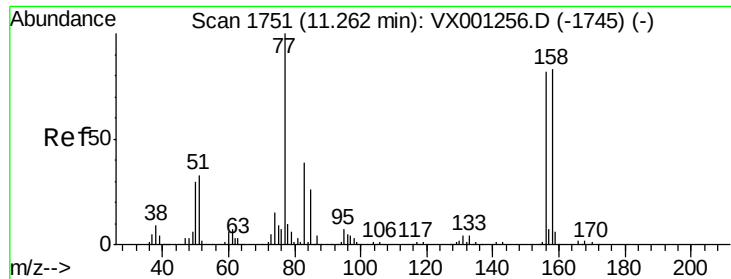
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#72
 1,2,3-Trichloropropane
 Concen: 46.22 ug/l m
 RT: 11.30 min Scan# 1758
 Delta R.T. 0.01 min
 Lab File: VX001257.D
 Acq: 30 Apr 2018 11:27

Tgt Ion	75	Resp	177877
Ion Ratio	100	Lower	Upper
75	100		
77	37.8	0.0	85.8





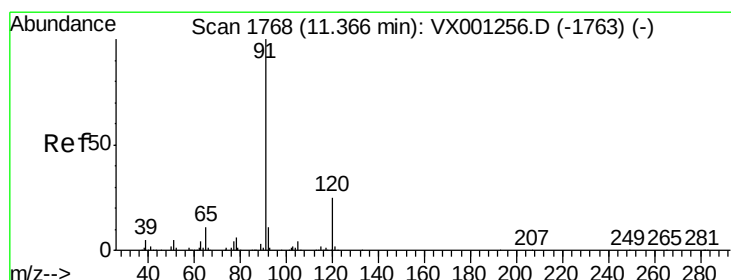
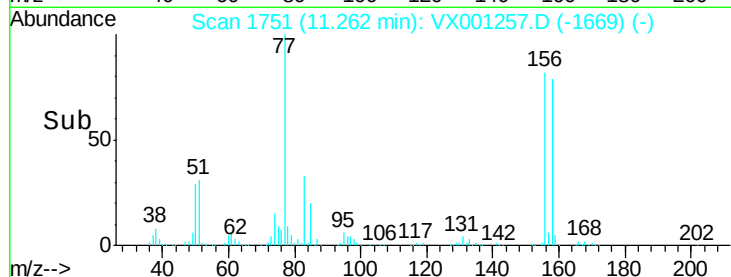
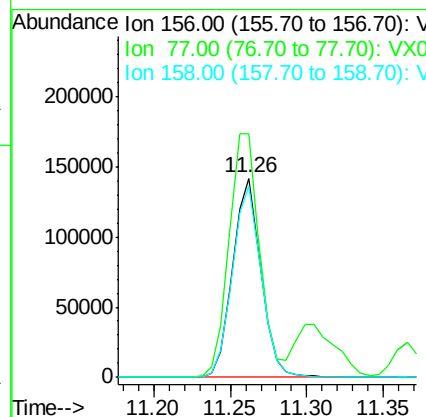
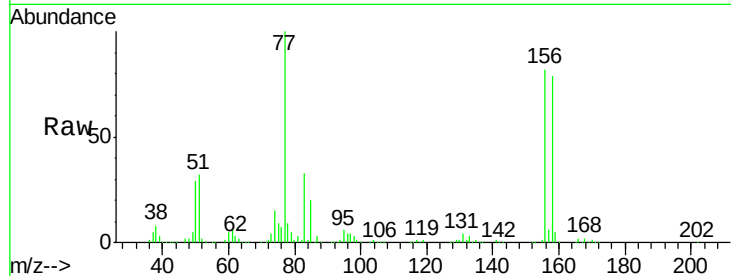
#73
Bromobenzene
Concen: 56.03 ug/l
RT: 11.26 min Scan# 1751
Delta R.T. -0.00 min
Lab File: VX001257.D
Acq: 30 Apr 2018 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
156	100	183167		
77	132.1	0.0	280.2	
158	97.6	0.0	197.2	

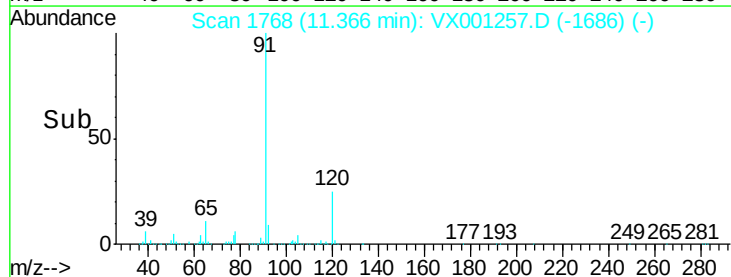
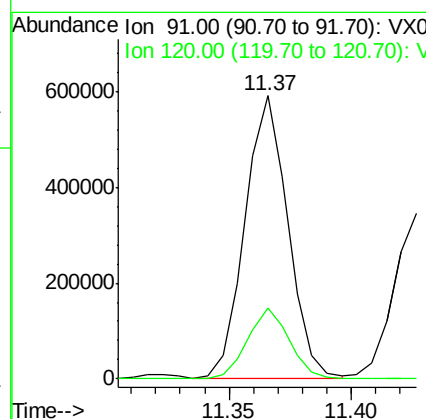
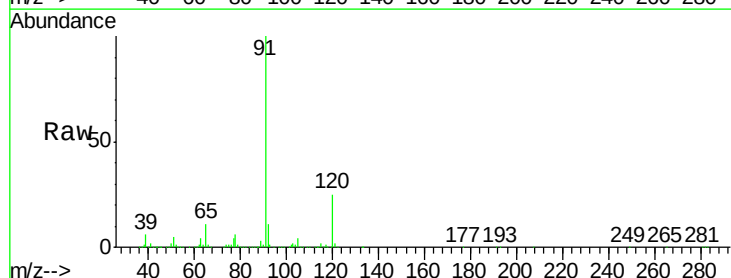
Manual Integrations
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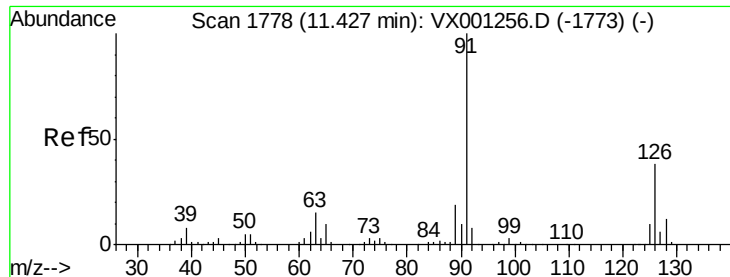
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#74
n-propylbenzene
Concen: 49.45 ug/l
RT: 11.37 min Scan# 1768
Delta R.T. -0.00 min
Lab File: VX001257.D
Acq: 30 Apr 2018 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	722686		
120	24.4	0.0	47.4	





#75

2-Chlorotoluene

Concen: 51.61 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX001257.D

Acq: 30 Apr 2018 11:27

Instrument :

MSVOA_X

ClientSampled :

VSTDIC050

Tot Ion: 91 Resp: 433672

Ion Ratio Lower Upper

91 100

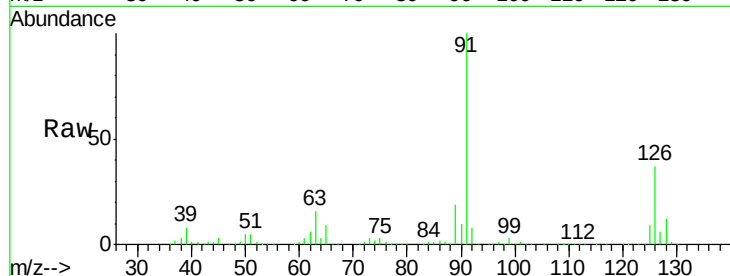
126 36.1 0.0 71.4

Manual Integrations

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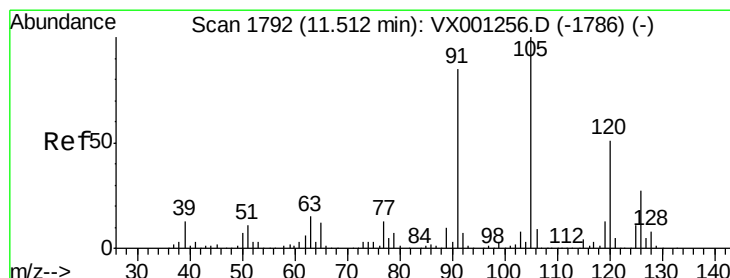
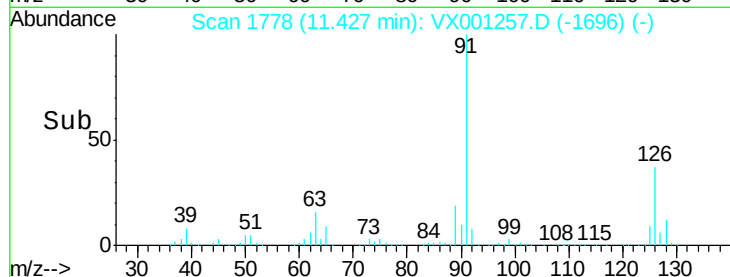
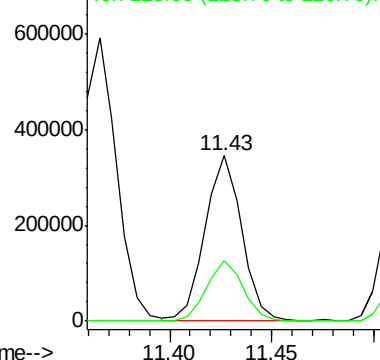
MMDadoda

5/2/2018 11:08:03 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 51.59 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX001257.D

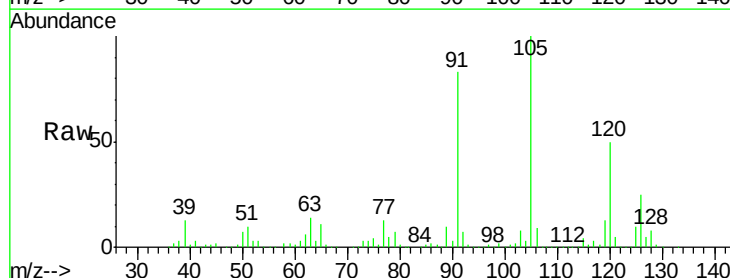
Acq: 30 Apr 2018 11:27

Tgt Ion:105 Resp: 545188

Ion Ratio Lower Upper

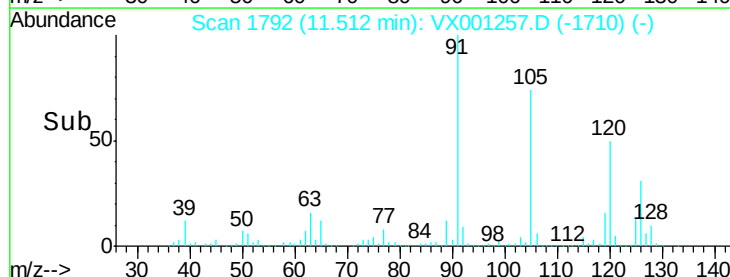
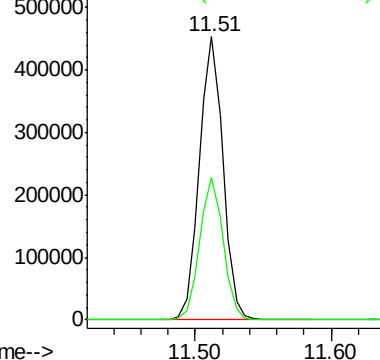
105 100

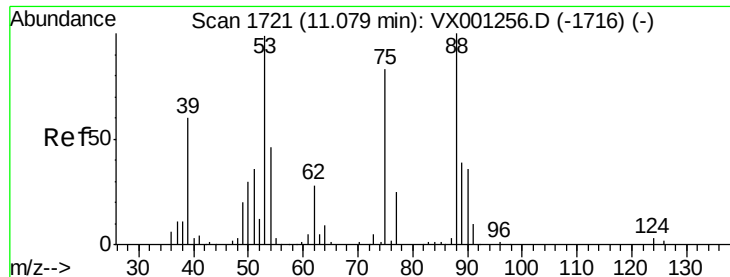
120 50.0 0.0 63.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#77

t-1,4-Dichloro-2-butene

Concen: 37.72 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX001257.D

Acq: 30 Apr 2018 11:27

Instrument :

MSVOA_X

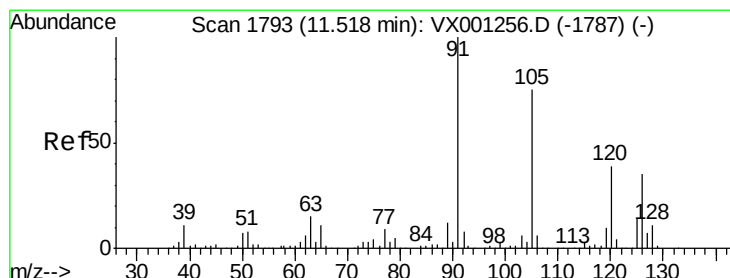
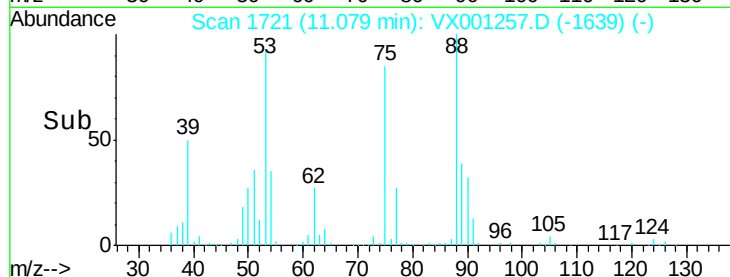
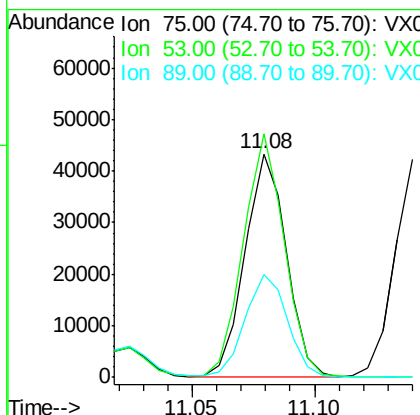
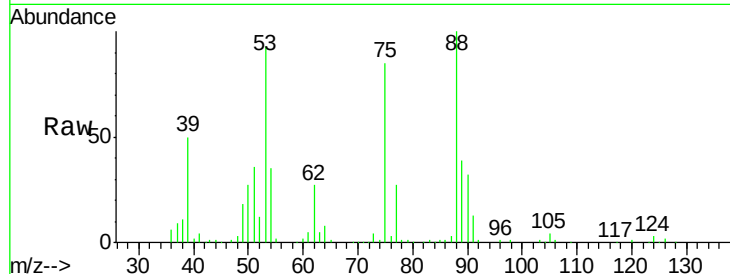
ClientSampleId :

VSTDIC050

Tot Ion:	75	Resp:	51341
Ion	Ratio	Lower	Upper
75	100		
53	109.0	47.8	143.3
89	46.2	22.3	66.8

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#78

4-Chlorotoluene

Concen: 51.49 ug/l

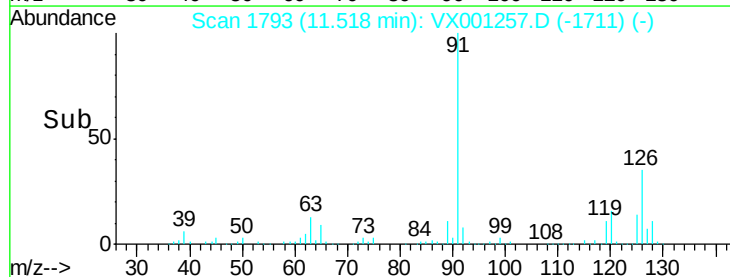
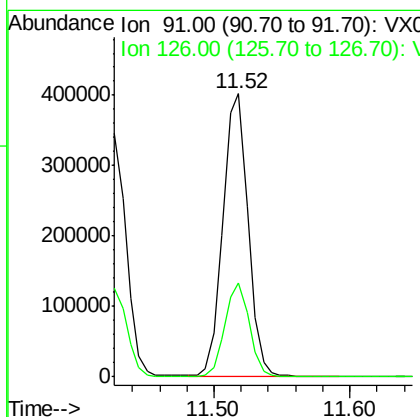
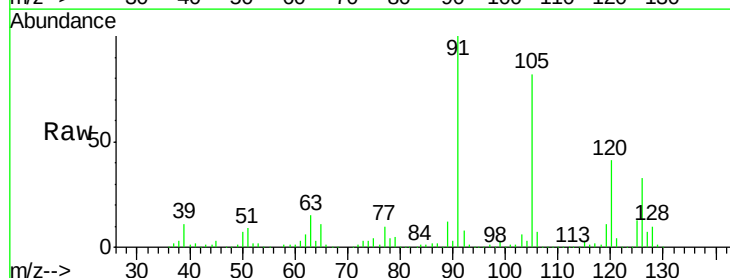
RT: 11.52 min Scan# 1793

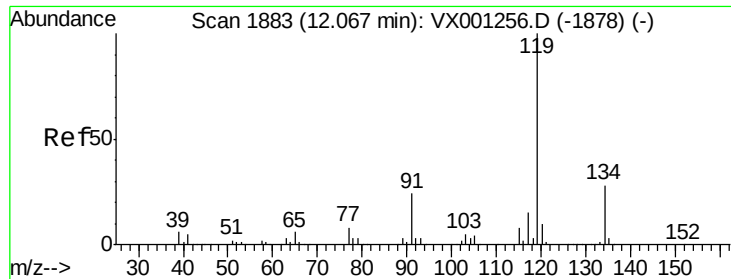
Delta R.T. -0.00 min

Lab File: VX001257.D

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Tgt Ion:	91	Resp:	518393
Ion	Ratio	Lower	Upper
91	100		
126	32.2	0.0	63.4





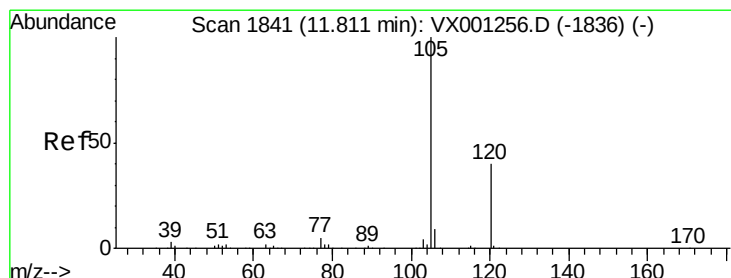
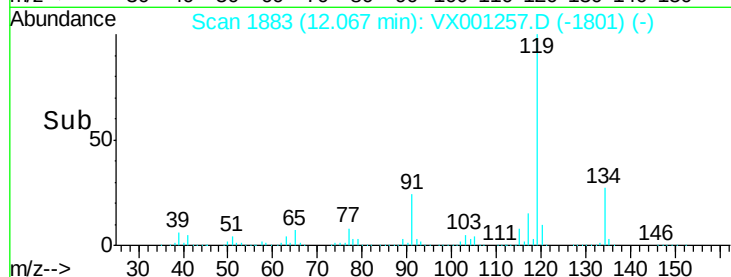
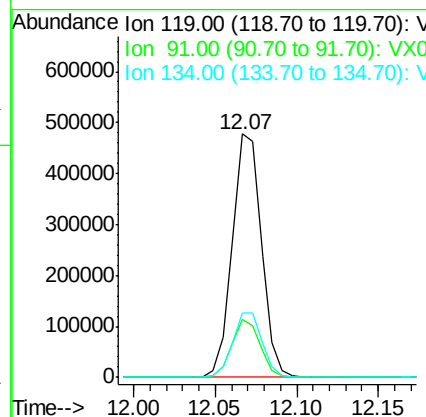
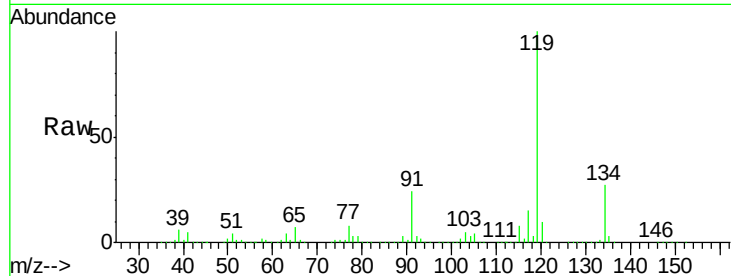
#79
tert-butylbenzene
Concen: 56.29 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VX001257.D
Acq: 30 Apr 2018 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	23.1	0.0	51.6
134	27.0	0.0	60.2

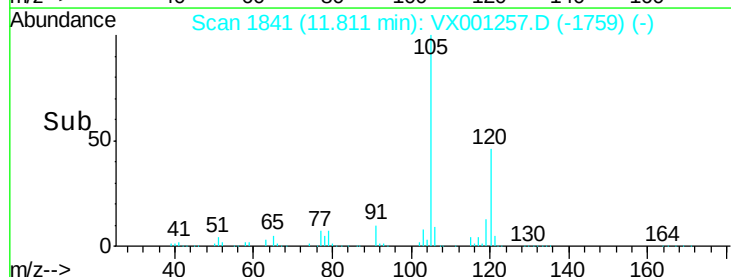
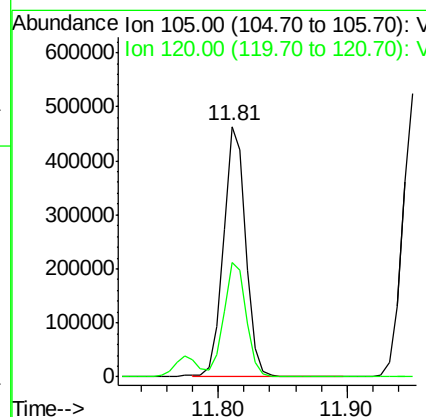
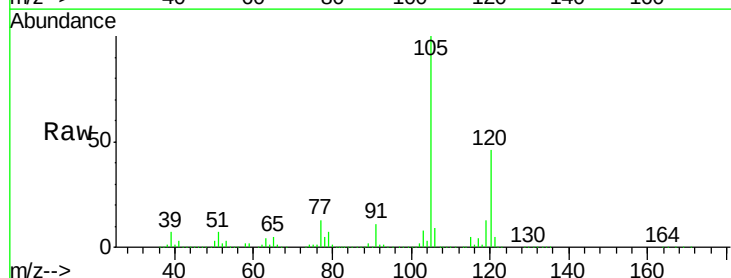
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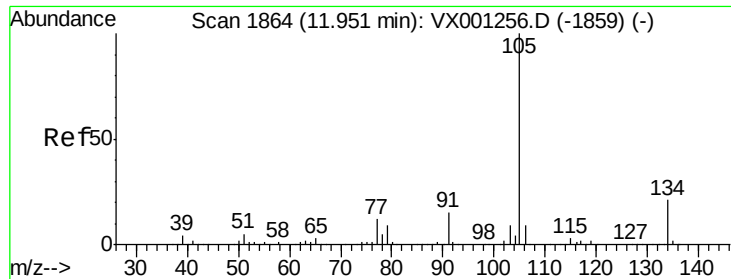
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#80
1,2,4-Trimethylbenzene
Concen: 52.10 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX001257.D
Acq: 30 Apr 2018 11:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	0.0	93.0





#81

sec-Butylbenzene

Concen: 48.73 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX001257.D

Acq: 30 Apr 2018 11:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion:105 Resp: 633602

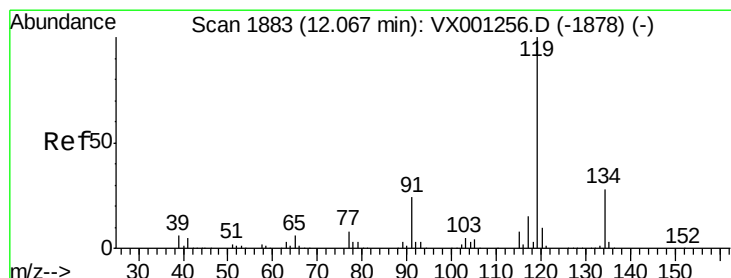
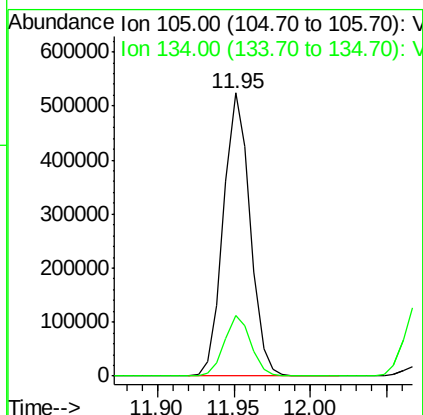
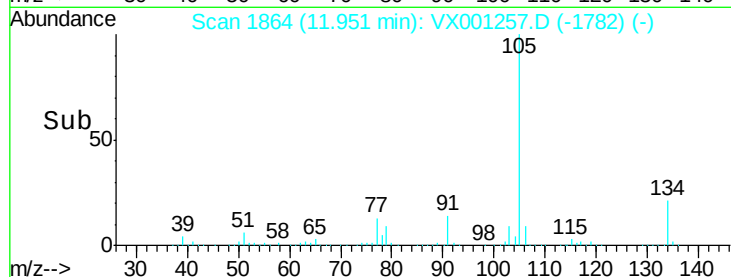
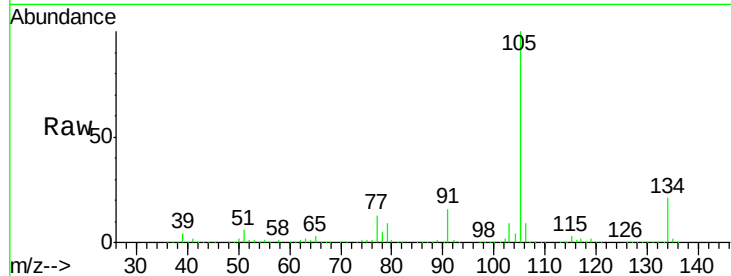
Ion Ratio Lower Upper

105 100

134 21.4 0.0 41.8

Manual Integrations
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#82

p-Isopropyltoluene

Concen: 51.04 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX001257.D

Acq: 30 Apr 2018 11:27

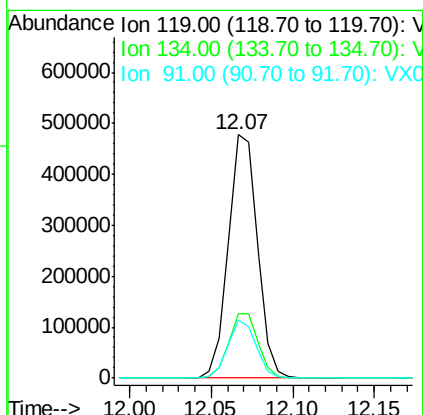
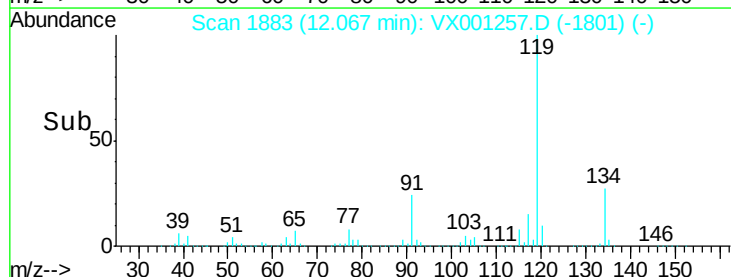
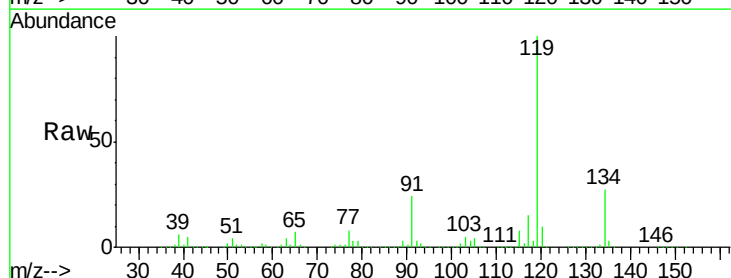
Tgt Ion:119 Resp: 592037

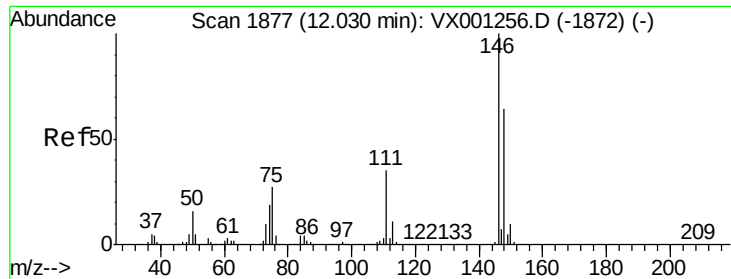
Ion Ratio Lower Upper

119 100

134 27.0 0.0 54.4

91 23.1 0.0 46.6





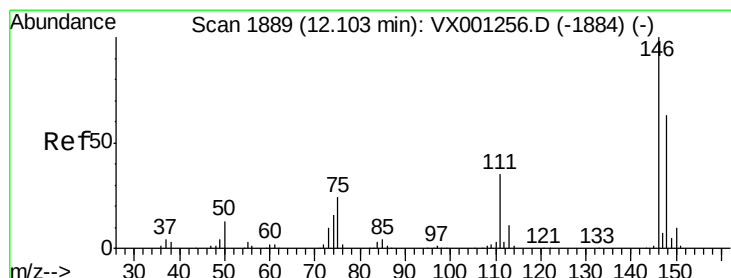
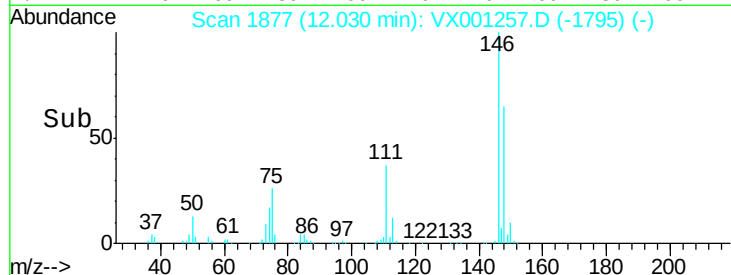
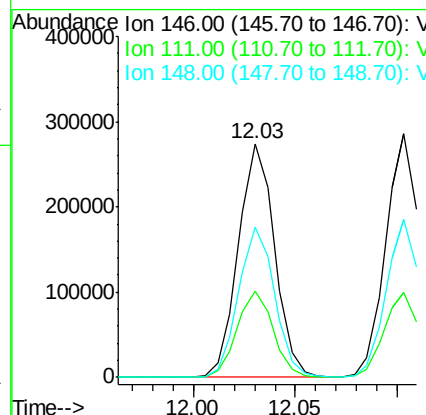
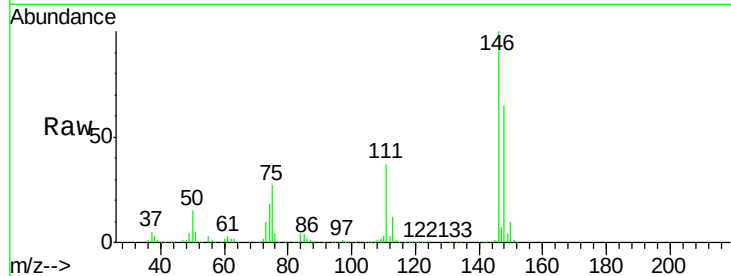
#83
 1,3-Dichlorobenzene
 Concen: 54.15 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX001257.D
 Acq: 30 Apr 2018 11:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	19.4	58.2
148	64.2	32.6	97.7

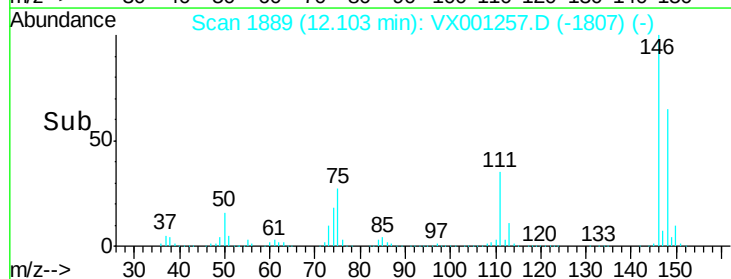
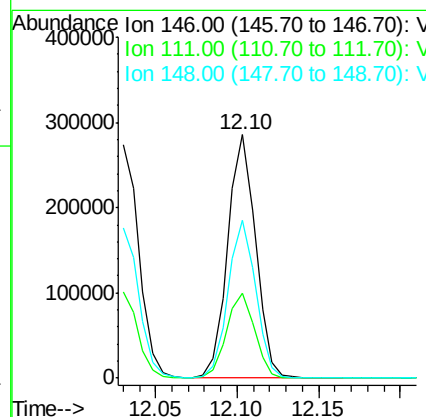
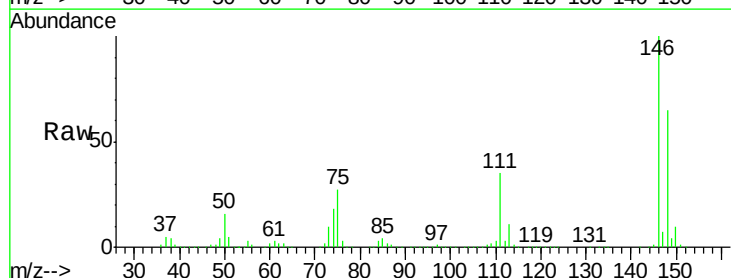
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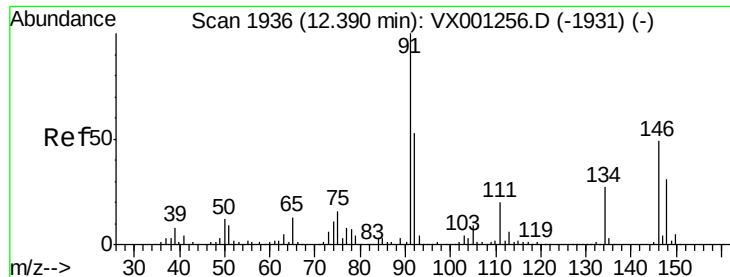
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#84
 1,4-Dichlorobenzene
 Concen: 52.54 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX001257.D
 Acq: 30 Apr 2018 11:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.2	18.4	55.0
148	64.4	31.9	95.7





#85

n-Butylbenzene

Concen: 46.83 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.01 min

Lab File: VX001257.D

Acq: 30 Apr 2018 11:27

Instrument :

MSVOA_X

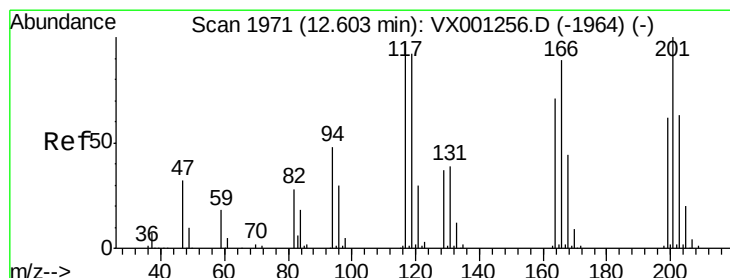
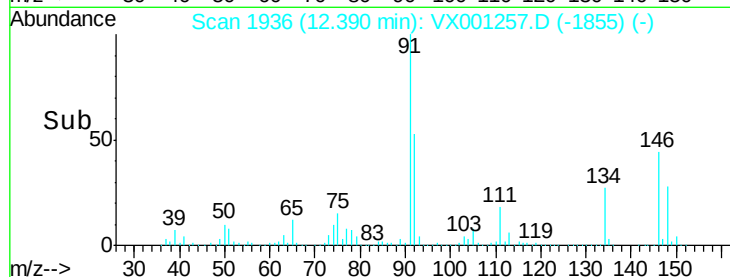
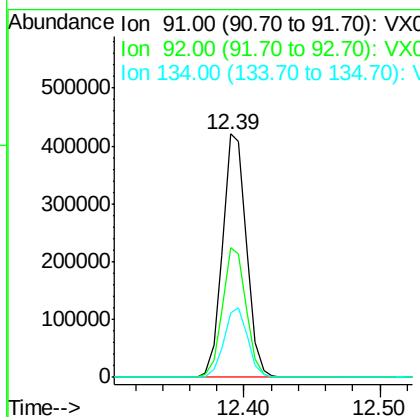
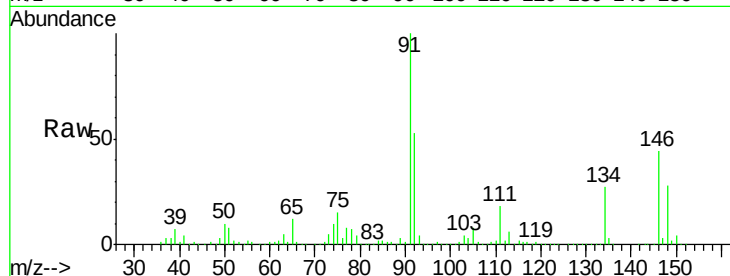
ClientSampled :

VSTDIC050

Tot Ion:	91	Resp:	509453
Ion	Ratio	Lower	Upper
91	100		
92	52.6	0.0	102.0
134	28.4	0.0	54.2

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#86

Hexachloroethane

Concen: 46.16 ug/l

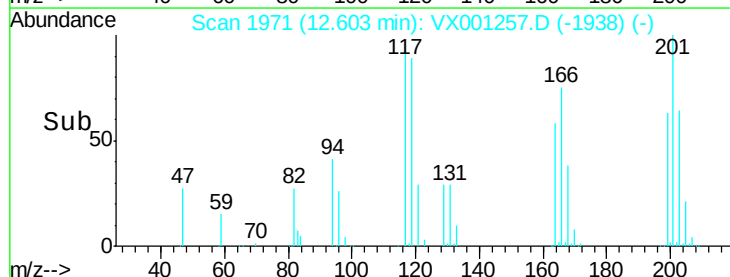
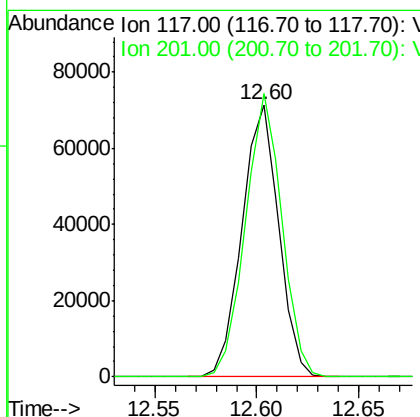
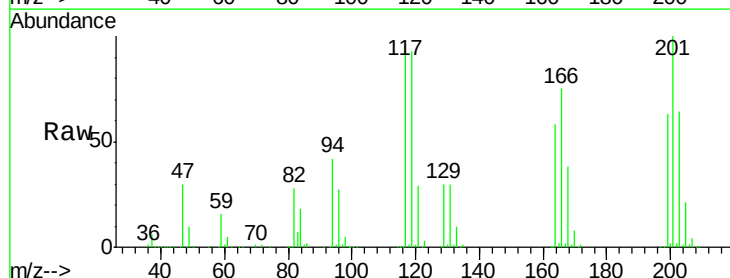
RT: 12.60 min Scan# 1971

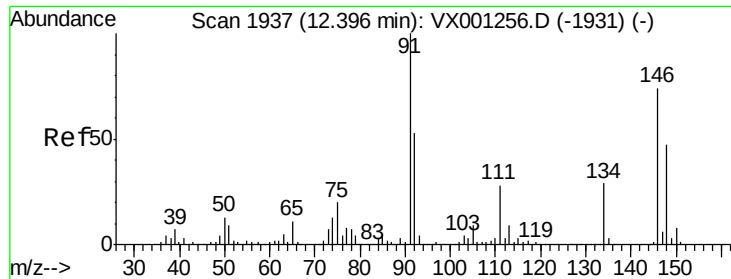
Delta R.T. -0.00 min

Lab File: VX001257.D

Acq: 30 Apr 2018 11:27

Tgt Ion:	117	Resp:	89434
Ion	Ratio	Lower	Upper
117	100		
201	103.1	38.9	116.6





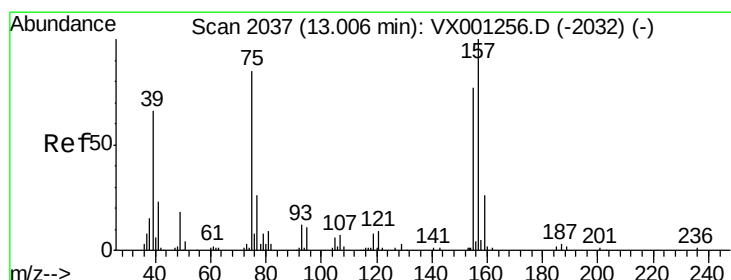
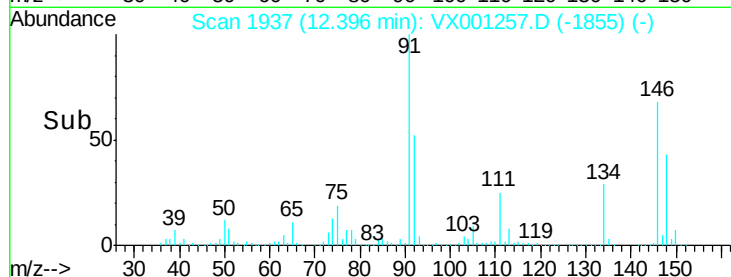
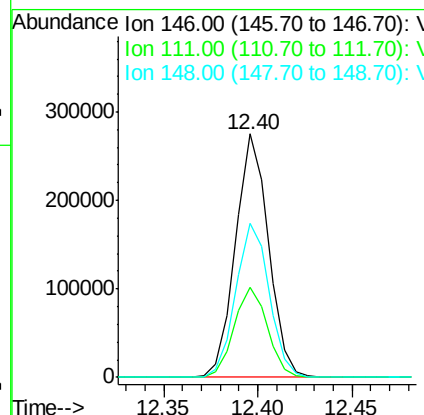
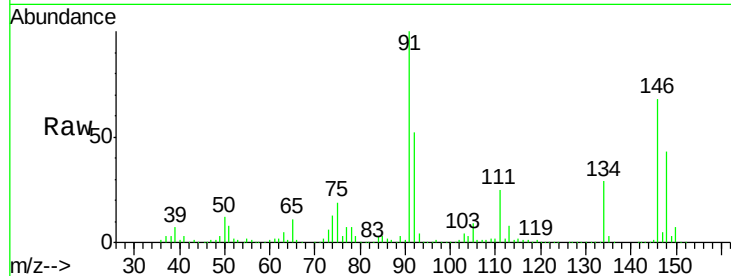
#87
 1,2-Dichlorobenzene
 Concen: 54.19 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX001257.D
 Acq: 30 Apr 2018 11:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	20.0	60.0
148	64.5	31.6	95.0

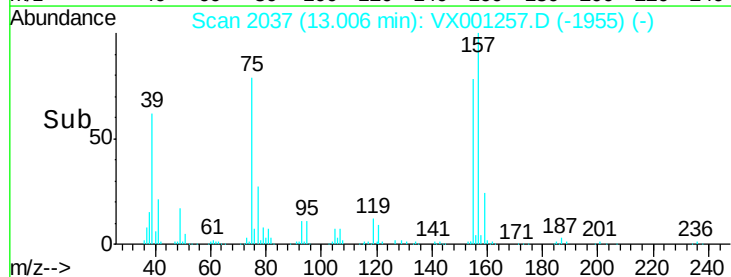
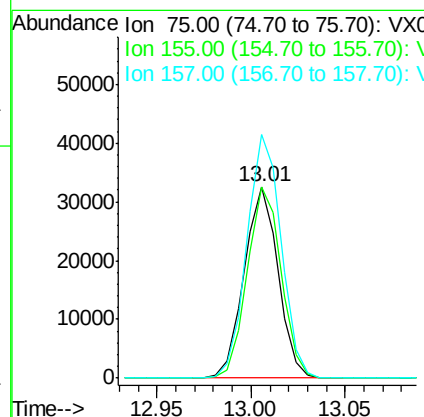
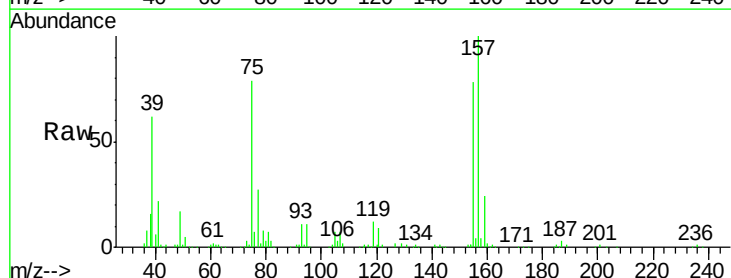
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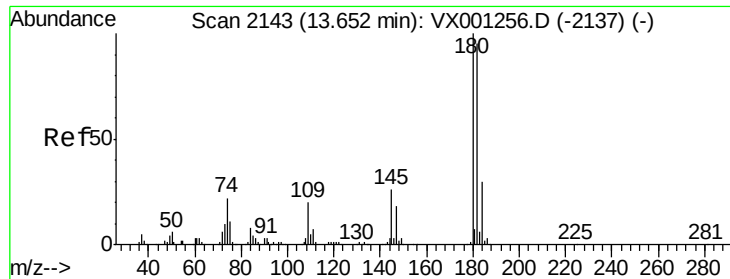
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 33.84 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX001257.D
 Acq: 30 Apr 2018 11:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.9	75.1	112.7
157	128.4	99.0	148.4





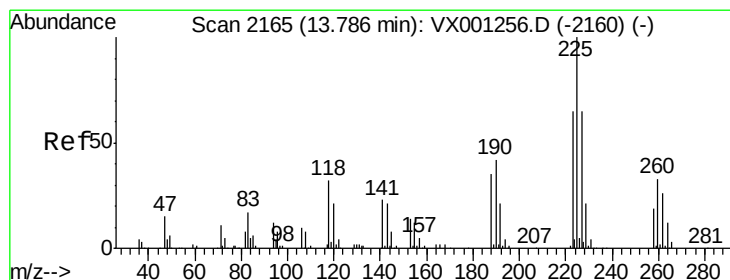
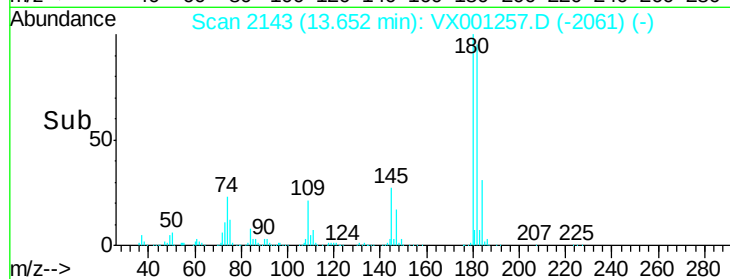
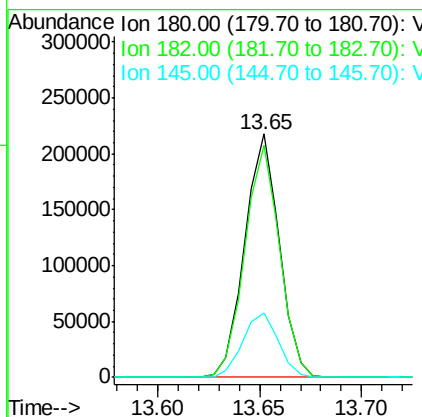
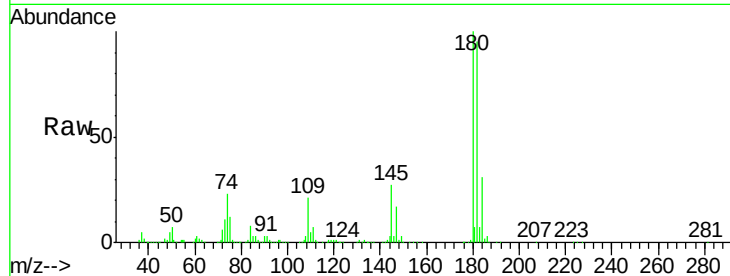
#89
 1,2,4-Trichlorobenzene
 Concen: 56.76 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX001257.D
 Acq: 30 Apr 2018 11:27

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	257131		
182	95.3	76.3	114.5	
145	27.3	24.6	37.0	

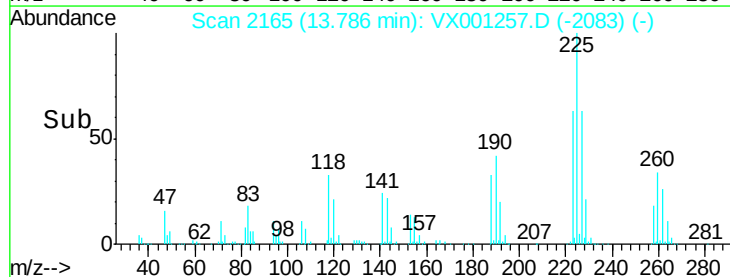
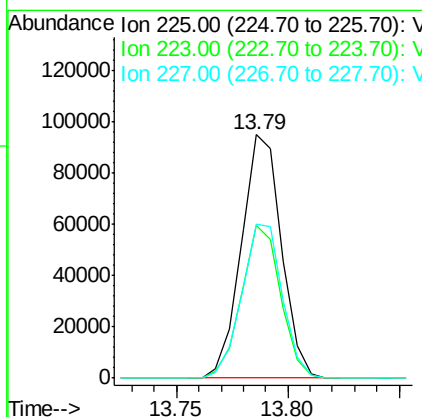
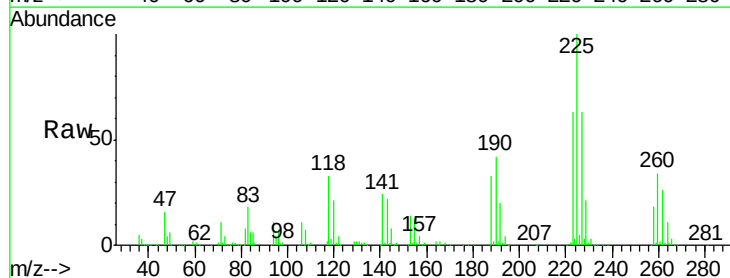
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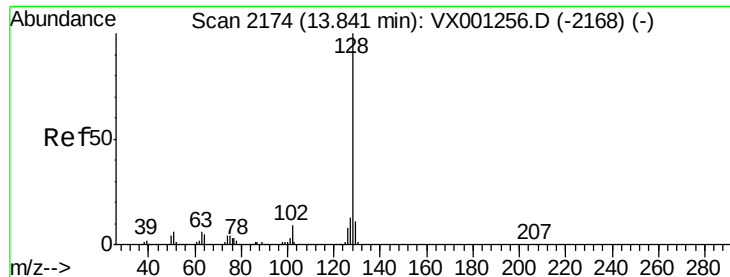
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#90
 Hexachlorobutadiene
 Concen: 61.12 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX001257.D
 Acq: 30 Apr 2018 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	119290		
223	61.2	0.0	131.2	
227	64.1	0.0	127.6	





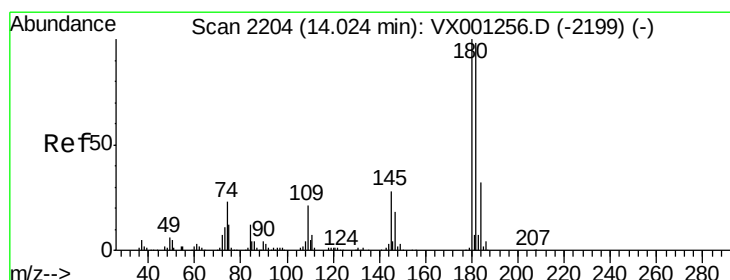
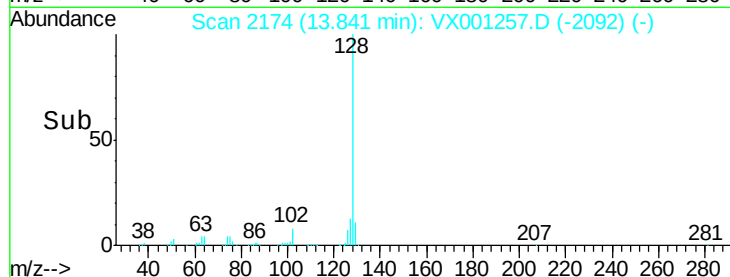
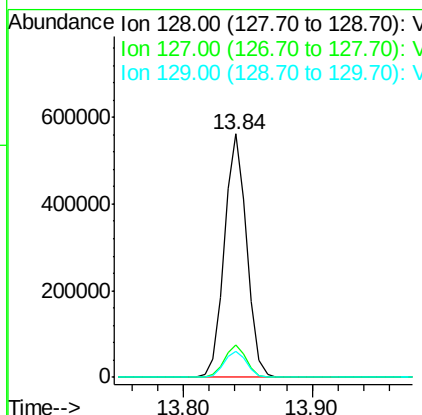
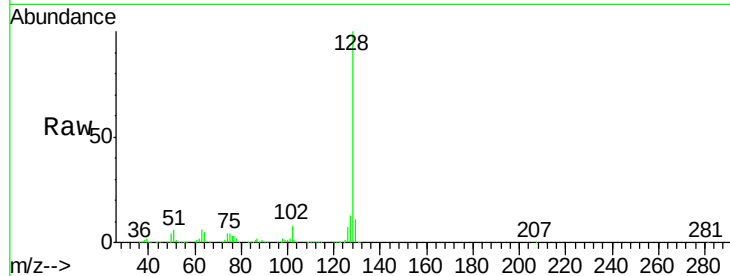
#91
Naphthalene
Concen: 43.10 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX001257.D
Acq: 30 Apr 2018 11:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	11.0	9.0	13.6

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#92
1,2,3-Trichlorobenzene
Concen: 55.43 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX001257.D
Acq: 30 Apr 2018 11:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	0.0	188.6
145	29.0	0.0	65.8

