

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072118\
 Data File : VX003550.D
 Acq On : 21 Jul 2018 13:09
 Operator : JC/SP
 Sample : VX0721MBS02
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721MBS02

Manual Integrations
 APPROVED

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 7/23/2018 3:19:18 PM

Quant Time: Jul 23 02:07:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	287485	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	408935	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	383016	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	228118	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	176179	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	
35) Dibromofluoromethane	5.51	113	159805	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
50) Toluene-d8	8.72	98	596927	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
62) 4-Bromofluorobenzene	11.14	95	216897	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	47570	20.417	ug/l	98
3) Chloromethane	1.32	50	61344	21.004	ug/l	99
4) Vinyl Chloride	1.41	62	71170	19.488	ug/l	96
5) Bromomethane	1.64	94	37750	24.730	ug/l	99
6) Chloroethane	1.73	64	45664	21.130	ug/l	100
7) Trichlorofluoromethane	1.93	101	98721	20.261	ug/l	95
8) Diethyl Ether	2.19	74	42558	20.337	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.39	101	63200	19.818	ug/l	98
10) Methyl Iodide	2.51	142	82602	21.562	ug/l	92
11) Tert butyl alcohol	3.06	59	74138	110.096	ug/l	100
12) 1,1-Dichloroethene	2.37	96	57498	19.582	ug/l	90
13) Acrolein	2.29	56	26786	88.038	ug/l	100
14) Allyl chloride	2.73	41	110544	21.267	ug/l	87
15) Acrylonitrile	3.15	53	188831	110.143	ug/l	96
16) Acetone	2.45	43	140360	109.194	ug/l	91
17) Carbon Disulfide	2.57	76	162222	20.427	ug/l	98
18) Methyl Acetate	2.78	43	87771	21.659	ug/l	93
19) Methyl tert-butyl Ether	3.20	73	202662	21.137	ug/l	95
20) Methylene Chloride	2.86	84	71464	22.257	ug/l	93
21) trans-1,2-Dichloroethene	3.16	96	65793	20.139	ug/l	97
22) Diisopropyl ether	3.87	45	217378	22.225	ug/l	# 86
23) Vinyl Acetate	3.82	43	887671	110.179	ug/l	99
24) 1,1-Dichloroethane	3.70	63	123363	21.497	ug/l	99
25) 2-Butanone	4.70	43	240020	111.291	ug/l	94
26) 2,2-Dichloropropane	4.58	77	99812	22.900	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	78655	21.622	ug/l	87
28) Bromochloromethane	5.02	49	52748	21.029	ug/l	86
29) Tetrahydrofuran	5.16	42	154883	108.713	ug/l	93
30) Chloroform	5.21	83	123456	22.031	ug/l	89
31) Cyclohexane	5.58	56	106223	20.717	ug/l	96
32) 1,1,1-Trichloroethane	5.51	97	100461	20.935	ug/l	98
36) 1,1-Dichloropropene	5.80	75	86782	19.656	ug/l	96
37) Ethyl Acetate	4.86	43	91656	21.938	ug/l	94
38) Carbon Tetrachloride	5.79	117	89314	20.623	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	103130	19.722	ug/l	95
40) Benzene	6.14	78	276567	20.747	ug/l	98
41) Methacrylonitrile	5.07	41	50613	20.612	ug/l #	89
42) 1,2-Dichloroethane	6.20	62	90270	21.493	ug/l	95
43) Isopropyl Acetate	6.46	43	136346	20.516	ug/l #	93
44) Trichloroethene	7.22	130	83573	21.022	ug/l	85
45) 1,2-Dichloropropane	7.52	63	70708	20.890	ug/l	99
46) Dibromomethane	7.66	93	46114	21.161	ug/l	97
47) Bromodichloromethane	7.90	83	82091	20.577	ug/l	98
48) Methyl methacrylate	7.78	41	69904	20.857	ug/l	85
49) 1,4-Dioxane	7.76	88	31494	414.728	ug/l #	95
51) 4-Methyl-2-Pentanone	8.65	43	451174	107.458	ug/l	92
52) Toluene	8.79	92	171892	20.486	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	103325	21.043	ug/l	97
54) cis-1,3-Dichloropropene	9.04	75	91535	20.729	ug/l #	90
55) 1,1,2-Trichloroethane	9.22	97	69888	20.931	ug/l	98
56) Ethyl methacrylate	9.18	69	95984	20.410	ug/l #	84
57) 1,3-Dichloropropane	9.37	76	114084	21.138	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	237360	103.796	ug/l	98
59) 2-Hexanone	9.50	43	339972	109.286	ug/l	89
60) Dibromochloromethane	9.59	129	68467	20.717	ug/l	100
61) 1,2-Dibromoethane	9.68	107	72446	20.931	ug/l	100
64) Tetrachloroethene	9.34	164	96640	20.709	ug/l	98
65) Chlorobenzene	10.14	112	197723	20.036	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	70349	20.719	ug/l	98
67) Ethyl Benzene	10.26	91	320712	20.212	ug/l	99
68) m/p-Xylenes	10.36	106	254494	40.912	ug/l	97
69) o-Xylene	10.70	106	121613	20.217	ug/l	97
70) Styrene	10.71	104	202457	20.462	ug/l	97
71) Bromoform	10.86	173	51649	19.578	ug/l #	99
73) Isopropylbenzene	11.02	105	326494	20.695	ug/l	100
74) N-amyl acetate	6.46	43	136346	20.353	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.27	83	95233	20.599	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	88674m	21.638	ug/l	
77) Bromobenzene	11.26	156	90854	20.023	ug/l	97
78) n-propylbenzene	11.36	91	367104	20.933	ug/l	99
79) 2-Chlorotoluene	11.42	91	221153	20.773	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	272095	20.986	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	25095	18.936	ug/l	94
82) 4-Chlorotoluene	11.51	91	256519	20.563	ug/l	98
83) tert-Butylbenzene	11.77	119	256600	20.209	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	277962	21.069	ug/l	97
85) sec-Butylbenzene	11.95	105	318773	20.669	ug/l	100
86) p-Isopropyltoluene	12.07	119	286987	20.735	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	164297	19.698	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	166164	19.339	ug/l	99
89) n-Butylbenzene	12.39	91	238348	20.280	ug/l	100
90) Hexachloroethane	12.60	117	37157	18.885	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	165151	20.089	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	18134	20.155	ug/l	94

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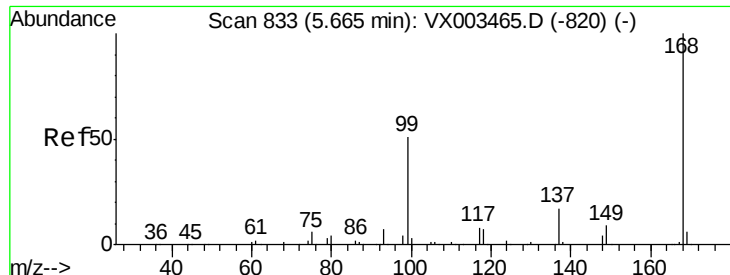
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	114689	19.036	ug/l	100
94) Hexachlorobutadiene	13.79	225	53710	18.536	ug/l	99
95) Naphthalene	13.84	128	321984	20.338	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	117281	19.664	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VX0721MBS02

Tgt Ion:168 Resp: 287485

Ion Ratio Lower Upper

168 100

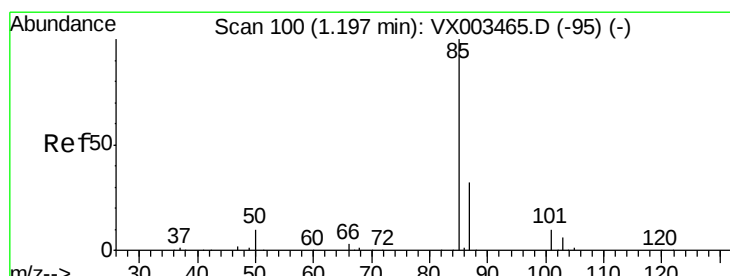
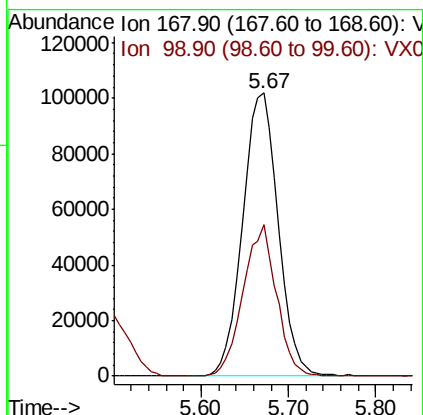
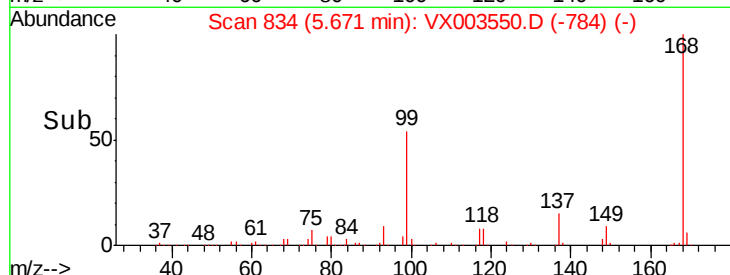
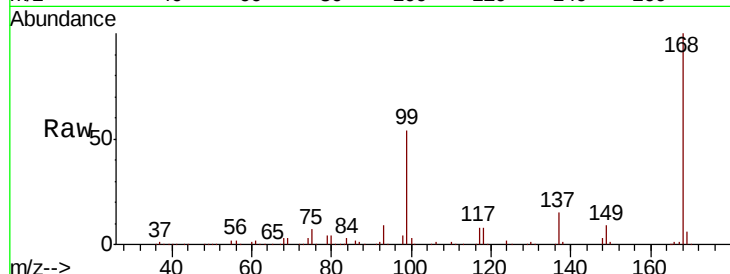
99 53.5 39.3 58.9

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 20.417 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003550.D

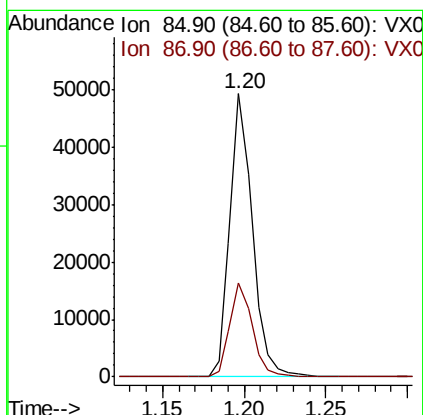
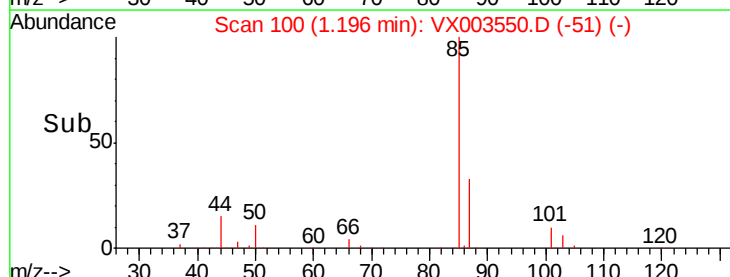
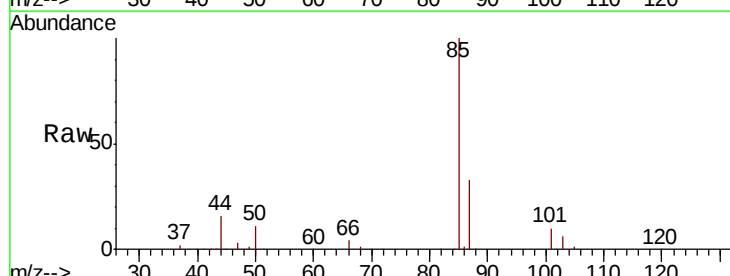
Acq: 21 Jul 2018 13:09

Tgt Ion: 85 Resp: 47570

Ion Ratio Lower Upper

85 100

87 33.1 16.0 47.9





#3

Chloromethane

Concen: 21.004 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VX0721MBS02

Tgt Ion: 50 Resp: 61344

Ion Ratio Lower Upper

50 100

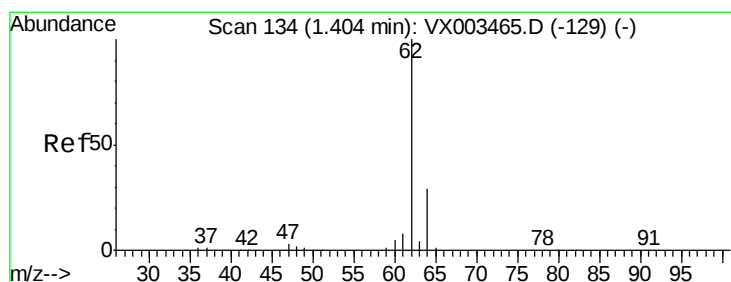
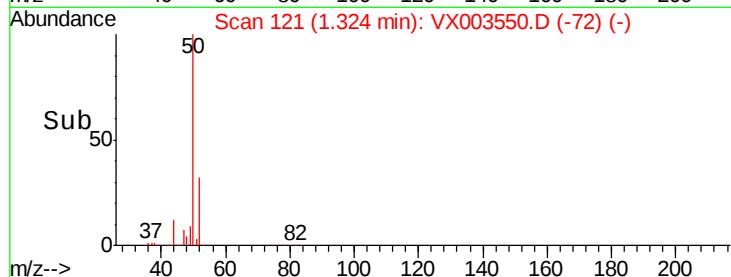
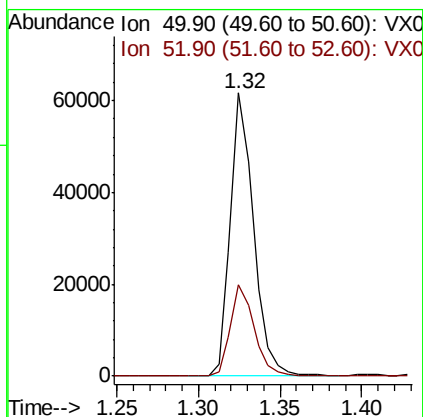
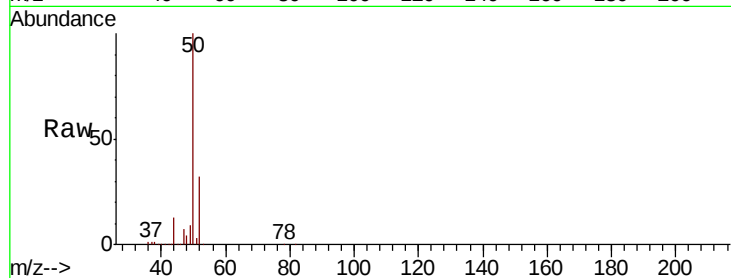
52 32.5 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.488 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX003550.D

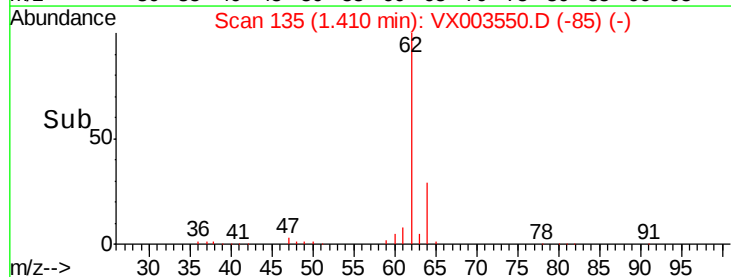
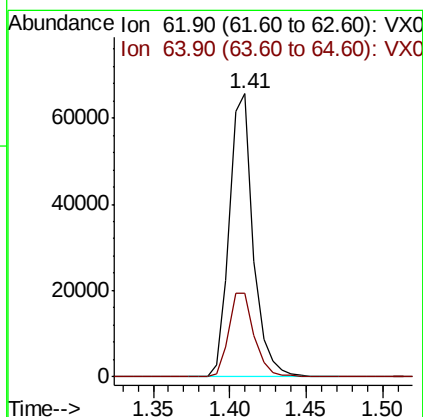
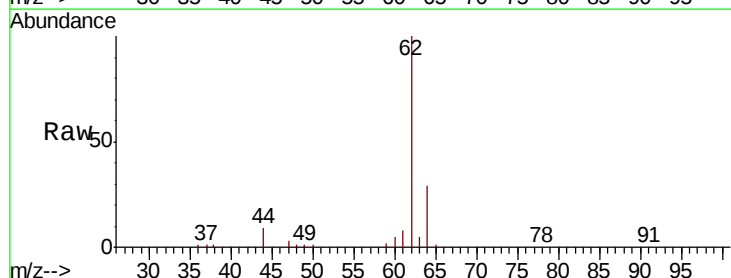
Acq: 21 Jul 2018 13:09

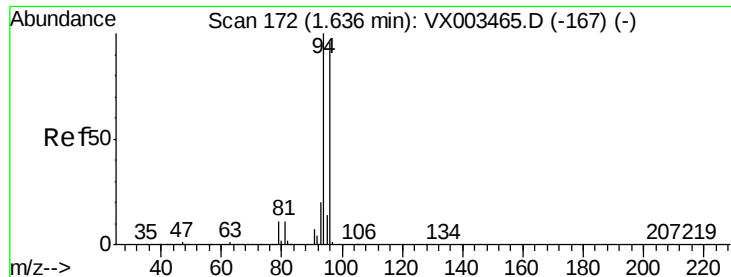
Tgt Ion: 62 Resp: 71170

Ion Ratio Lower Upper

62 100

64 29.5 25.4 38.2





#5

Bromomethane

Concen: 24.730 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VX0721MBS02

Tgt Ion: 94 Resp: 37750

Ion Ratio Lower Upper

94 100

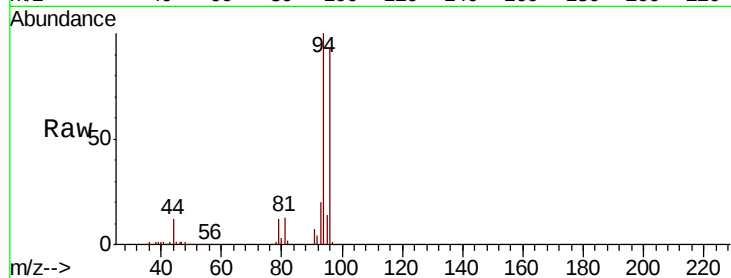
96 92.7 74.9 112.3

Manual Integrations

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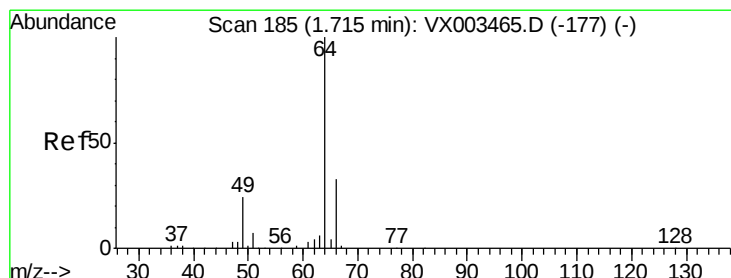
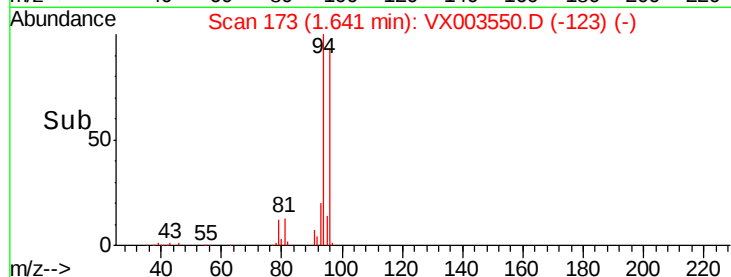
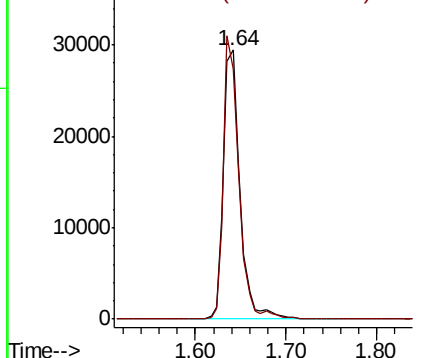
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 21.130 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX003550.D

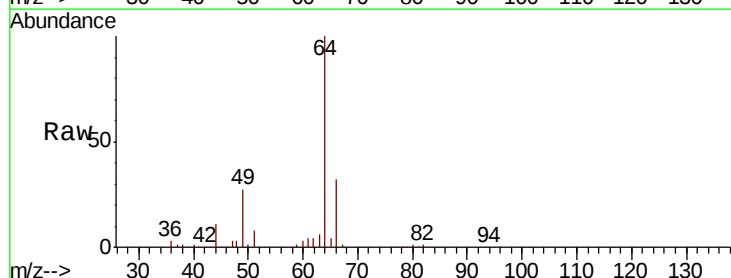
Acq: 21 Jul 2018 13:09

Tgt Ion: 64 Resp: 45664

Ion Ratio Lower Upper

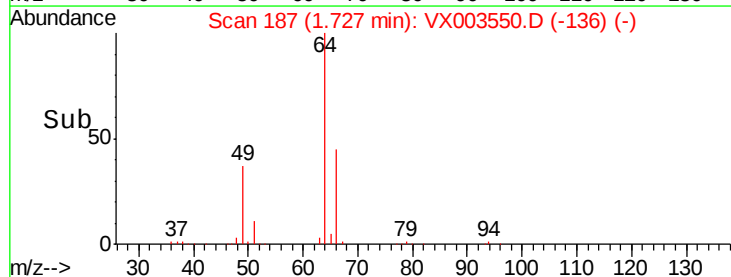
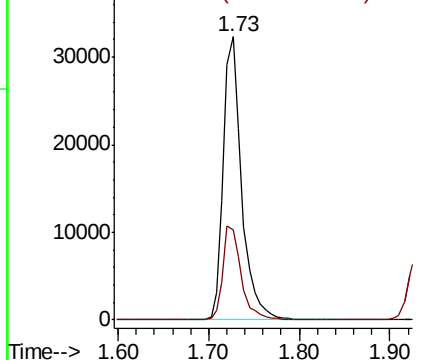
64 100

66 31.7 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

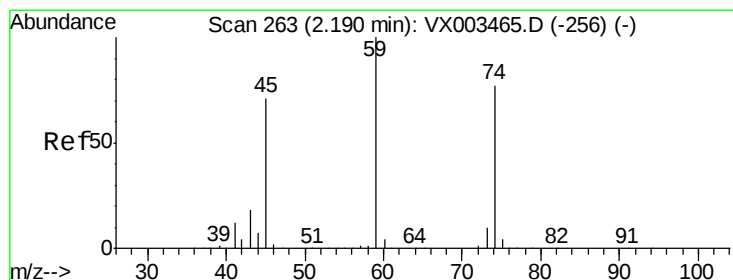
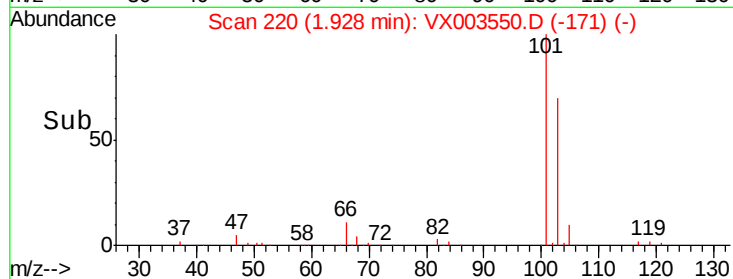
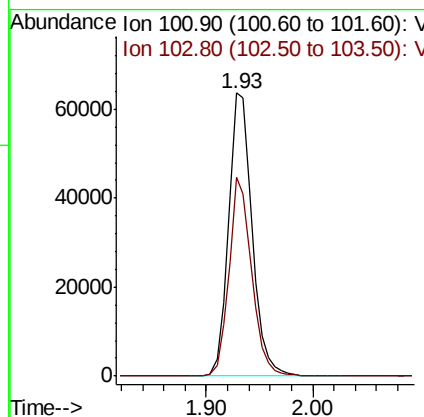
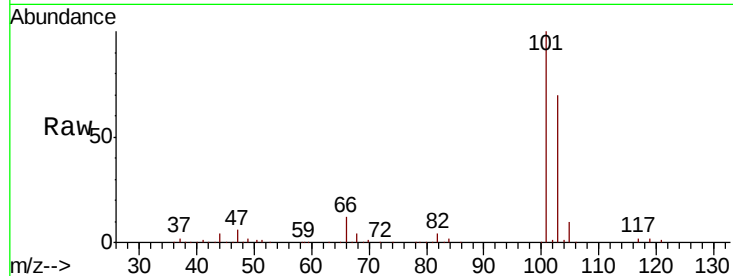
Trichlorofluoromethane
 Concen: 20.261 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VX003550.D
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Tgt Ion	Ratio	Lower	Upper
101	100		
103	70.2	52.8	79.2

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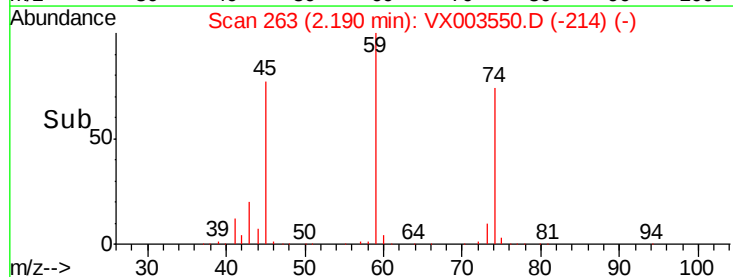
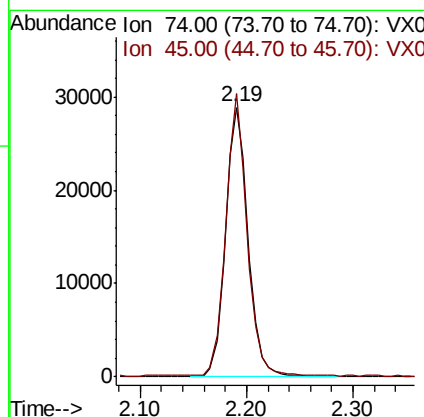
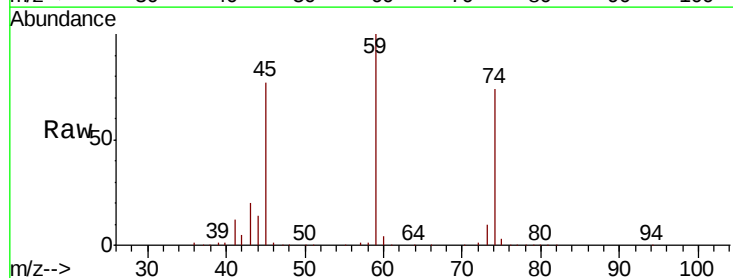
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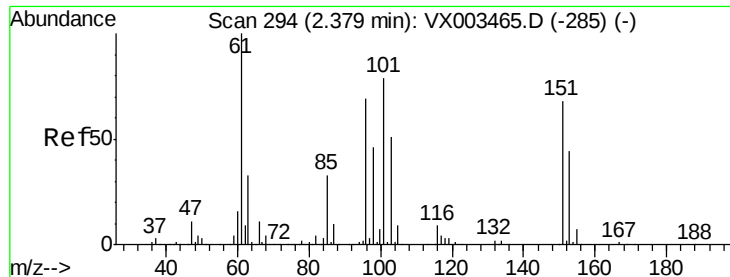


#8

Diethyl Ether
 Concen: 20.337 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX003550.D
 Acq: 21 Jul 2018 13:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.7	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.818 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Instrument :

MSVOA_X

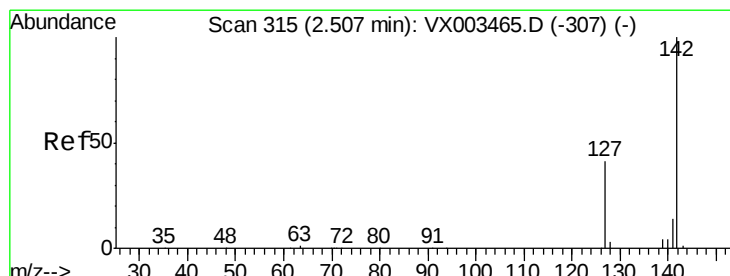
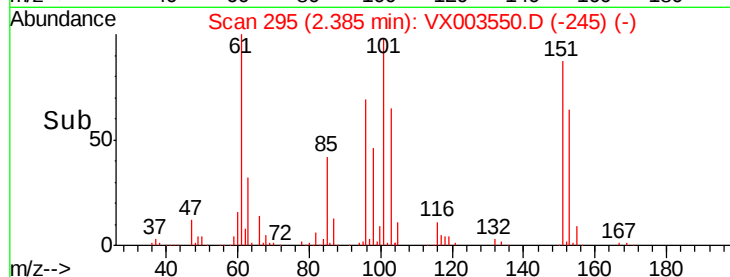
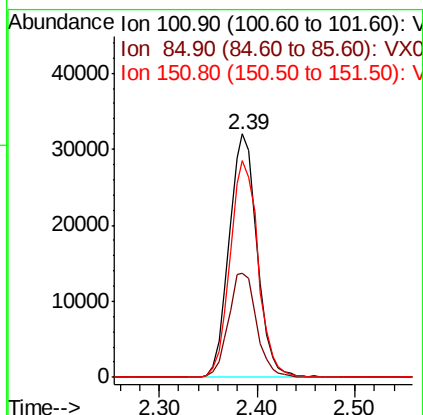
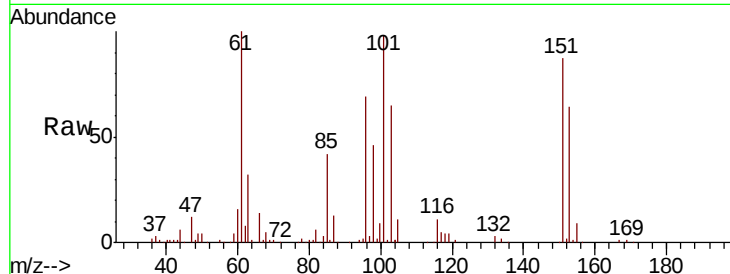
ClientSampleId :

VX0721MBS02

Tgt Ion:	101	Resp:	63200
Ion Ratio	Lower	Upper	
101	100		
85	43.3	36.0	54.0
151	89.7	70.9	106.3

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#10

Methyl Iodide

Concen: 21.562 ug/l

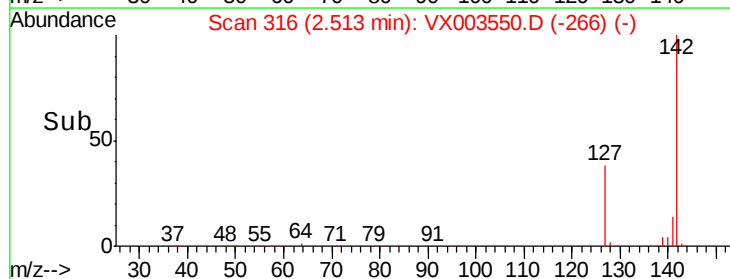
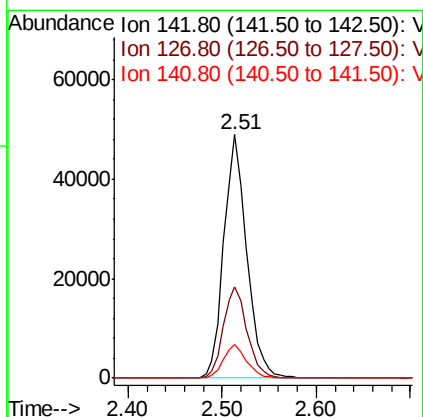
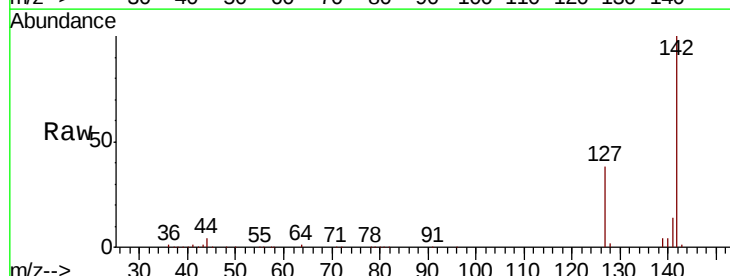
RT: 2.51 min Scan# 316

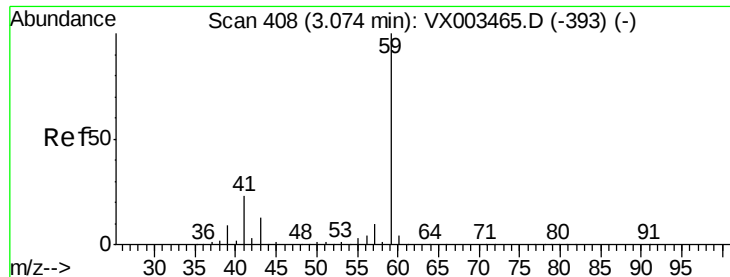
Delta R.T. 0.01 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Tgt Ion:	142	Resp:	82602
Ion Ratio	Lower	Upper	
142	100		
127	38.9	36.6	55.0
141	14.1	11.3	16.9





#11

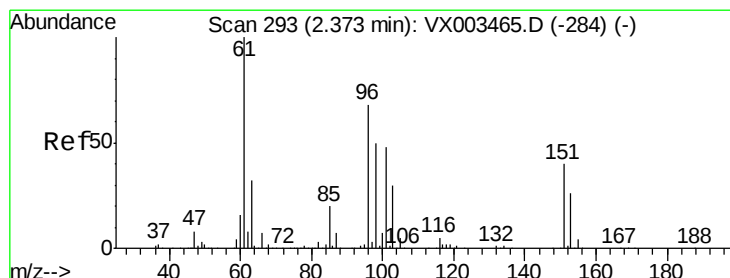
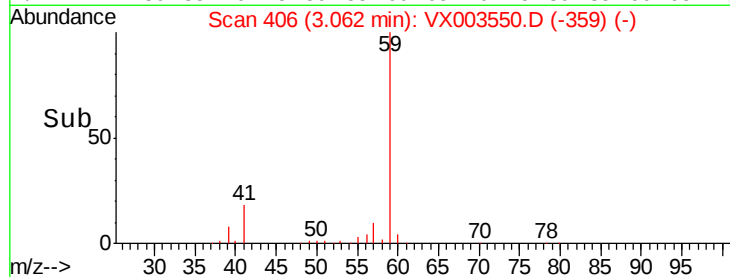
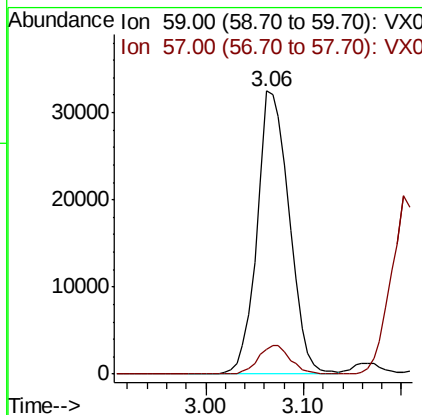
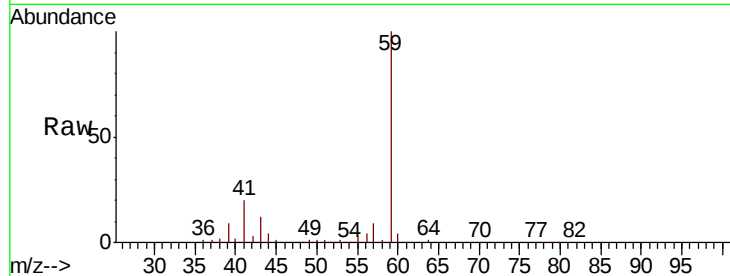
Tert butyl alcohol
 Concen: 110.096 ug/l
 RT: 3.06 min Scan# 406
 Delta R.T. -0.01 min
 Lab File: VX003550.D
 Acq: 21 Jul 2018 13:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721MBS02

Tgt Ion: 59 Resp: 74138
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.2 12.2

Manual Integrations
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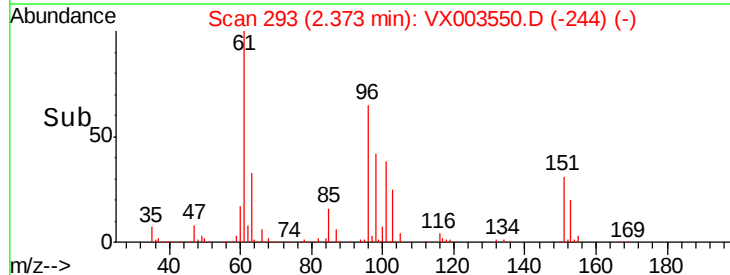
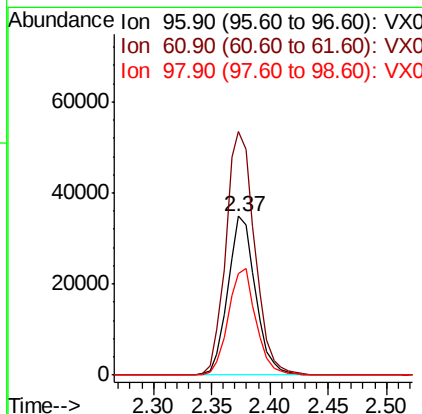
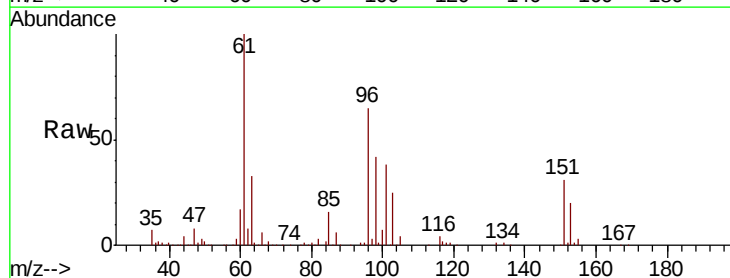
MMDadoda
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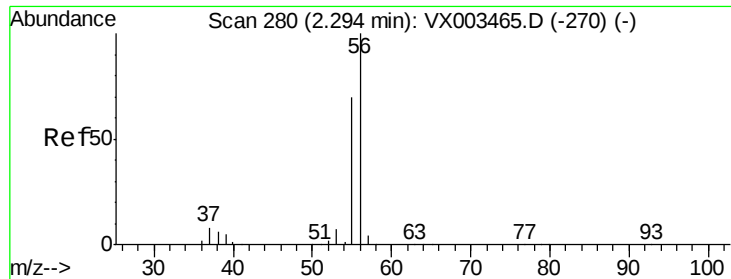


#12

1,1-Dichloroethene
 Concen: 19.582 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX003550.D
 Acq: 21 Jul 2018 13:09

Tgt Ion: 96 Resp: 57498
 Ion Ratio Lower Upper
 96 100
 61 153.2 137.9 206.9
 98 64.2 51.6 77.4





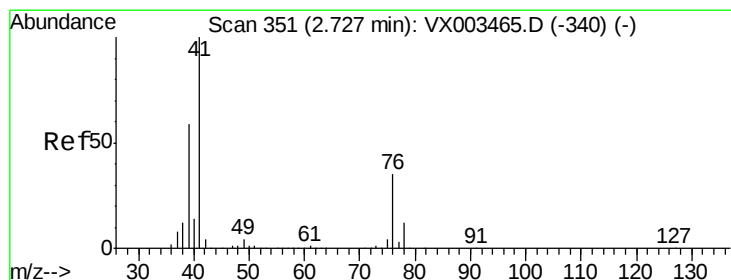
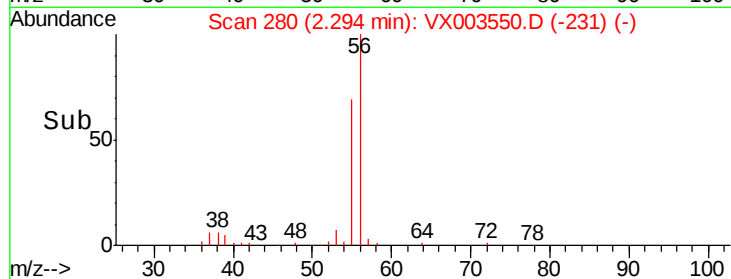
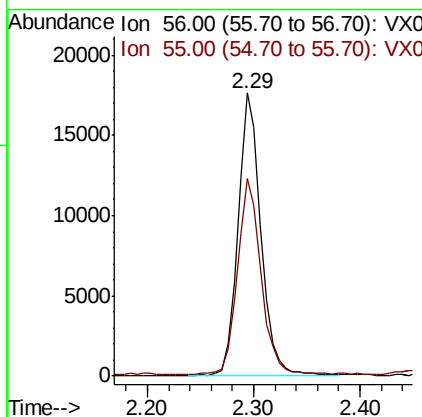
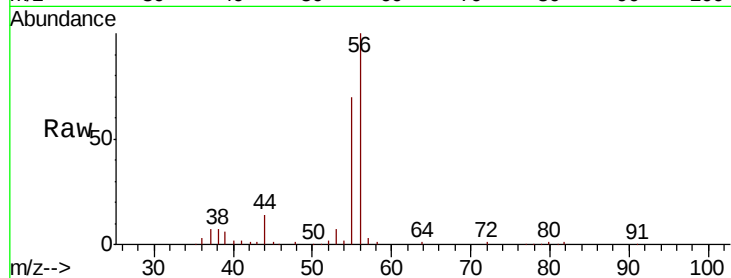
#13
 Acrolein
 Concen: 88.038 ug/l
 RT: 2.29 min Scan# 280
 Delta R.T. -0.00 min
 Lab File: VX003550.D
 Acq: 21 Jul 2018 13:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721MBS02

Tgt Ion: 56 Resp: 26786
 Ion Ratio Lower Upper
 56 100
 55 71.5 57.0 85.4

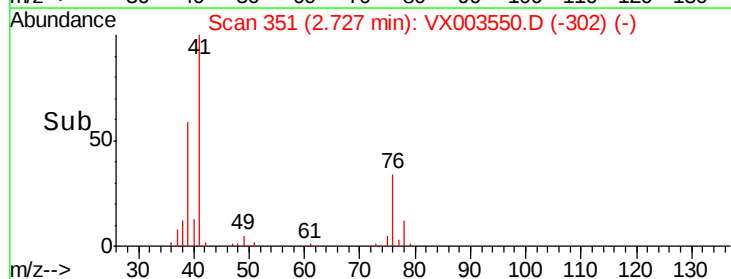
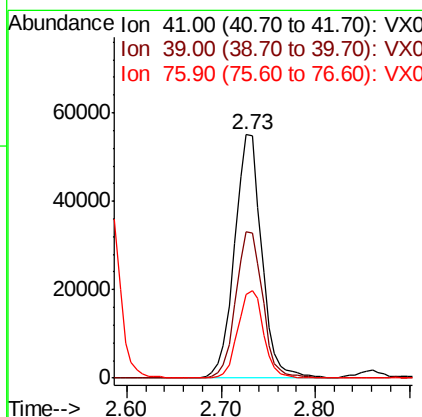
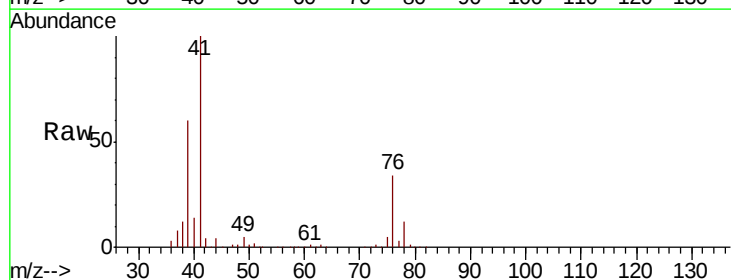
Manual Integrations
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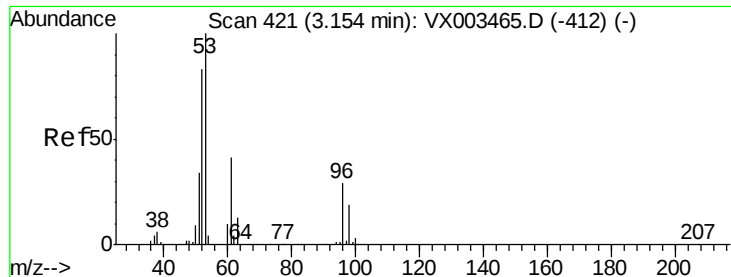
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#14
 Allyl chloride
 Concen: 21.267 ug/l
 RT: 2.73 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VX003550.D
 Acq: 21 Jul 2018 13:09

Tgt Ion: 41 Resp: 110544
 Ion Ratio Lower Upper
 41 100
 39 59.0 56.8 85.2
 76 34.0 23.8 35.8





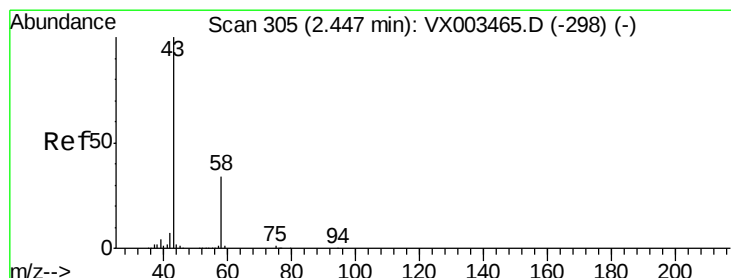
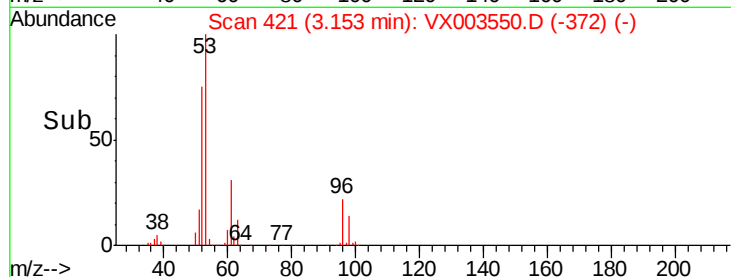
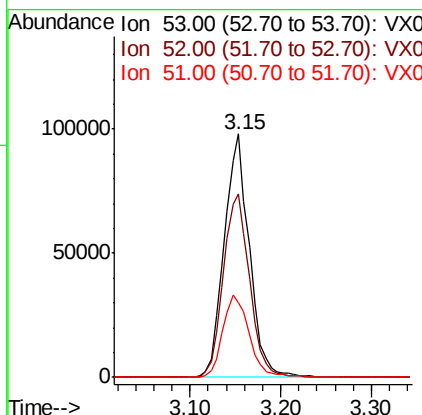
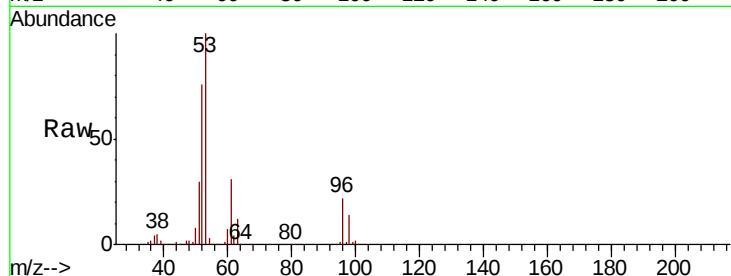
#15
Acrylonitrile
Concen: 110.143 ug/l
RT: 3.15 min Scan# 421
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0721MBS02

Tgt Ion	Ratio	Lower	Upper
53	100		
52	78.9	66.7	100.1
51	35.5	29.9	44.9

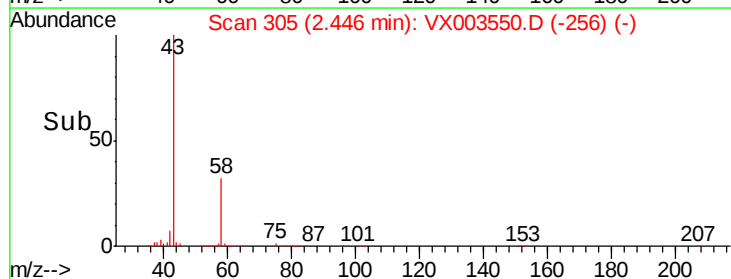
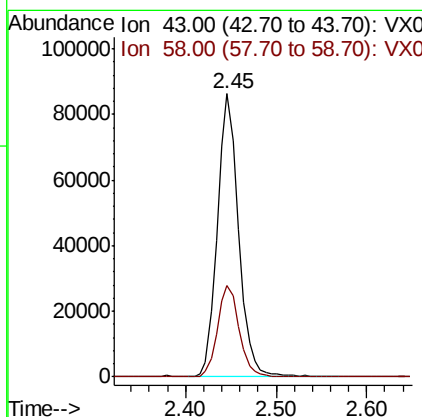
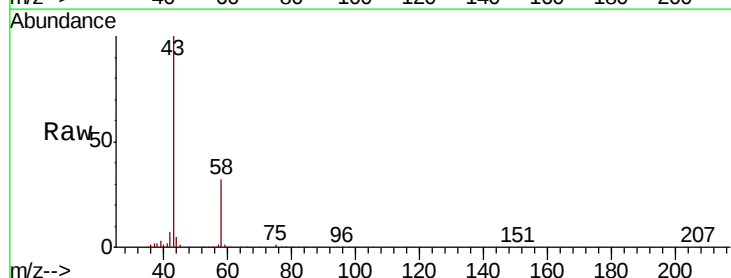
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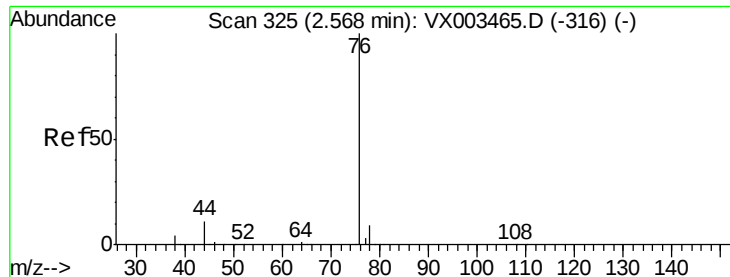
MMDadoda
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#16
Acetone
Concen: 109.194 ug/l
RT: 2.45 min Scan# 305
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.1	22.1	33.1





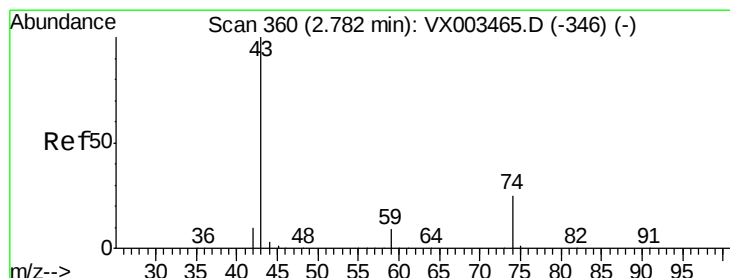
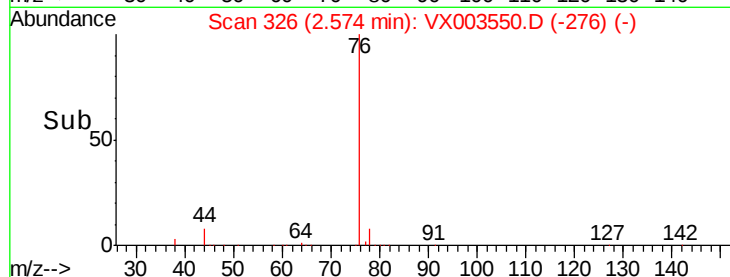
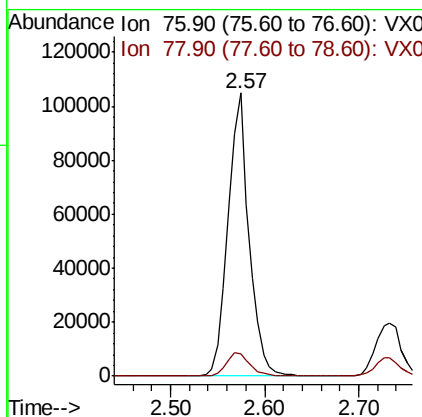
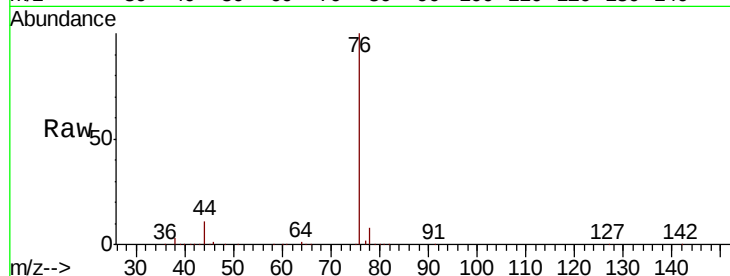
#17
Carbon Disulfide
Concen: 20.427 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0721MBS02

Tgt Ion: 76 Resp: 162222
Ion Ratio Lower Upper
76 100
78 7.8 6.9 10.3

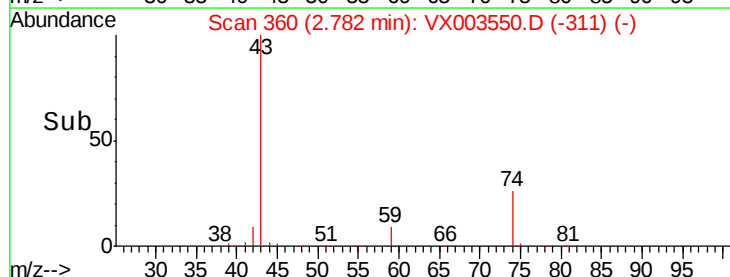
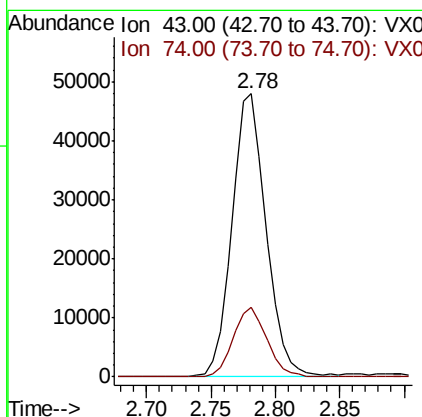
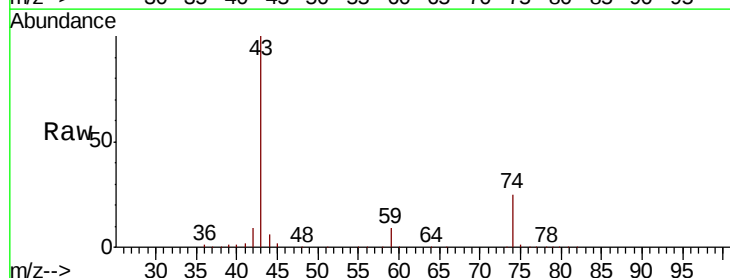
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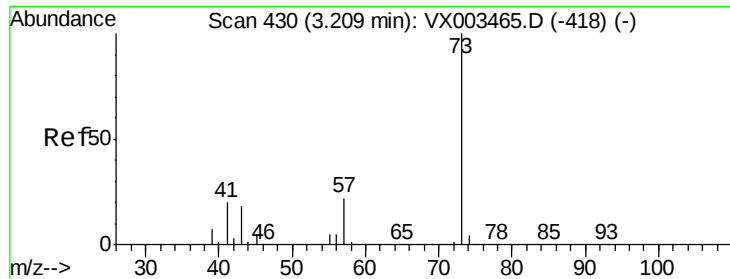
MMDadoda
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#18
Methyl Acetate
Concen: 21.659 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Tgt Ion: 43 Resp: 87771
Ion Ratio Lower Upper
43 100
74 24.0 16.7 25.1





#19

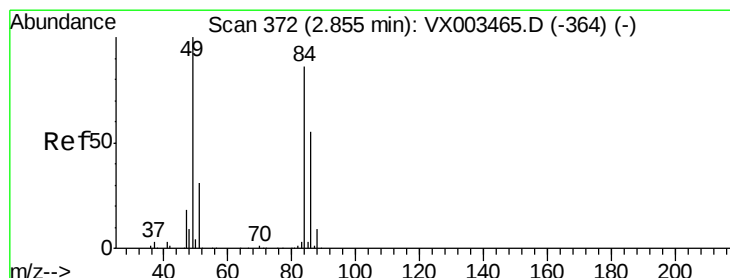
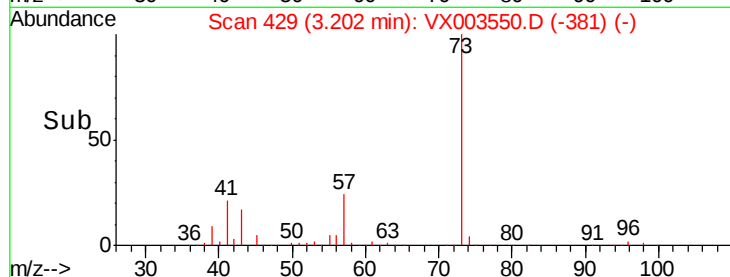
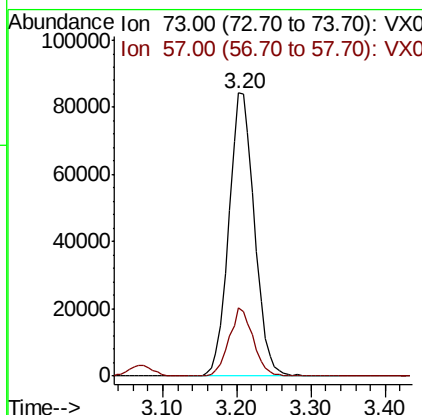
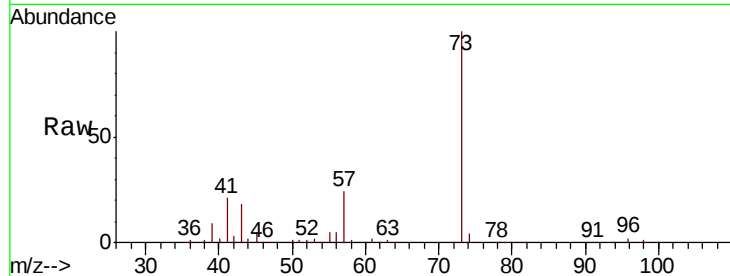
Methyl tert-butyl Ether
 Concen: 21.137 ug/l
 RT: 3.20 min Scan# 429
 Delta R.T. -0.01 min
 Lab File: VX003550.D
 Acq: 21 Jul 2018 13:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721MBS02

Tgt Ion: 73 Resp: 202662
 Ion Ratio Lower Upper
 73 100
 57 24.3 17.7 26.5

Manual Integrations
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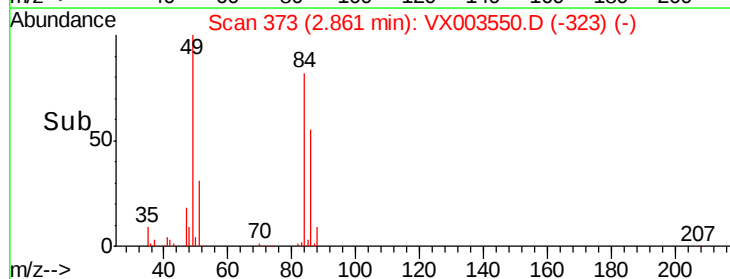
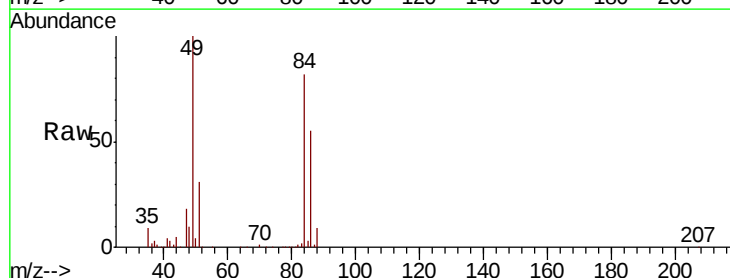
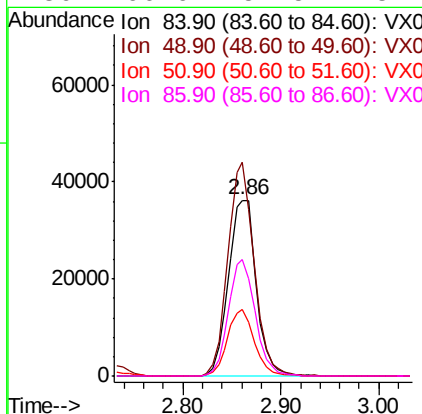
MMDadoda
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#20

Methylene Chloride
 Concen: 22.257 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. 0.01 min
 Lab File: VX003550.D
 Acq: 21 Jul 2018 13:09

Tgt Ion: 84 Resp: 71464
 Ion Ratio Lower Upper
 84 100
 49 121.6 107.8 161.6
 51 37.7 32.8 49.2
 86 66.6 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 20.139 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VX0721MBS02

Tgt Ion: 96 Resp: 65793

Ion Ratio Lower Upper

96 100

61 144.6 117.0 175.4

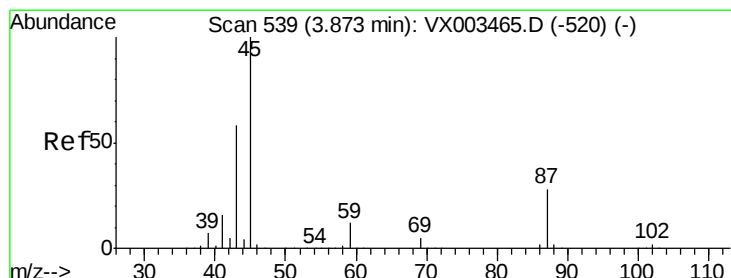
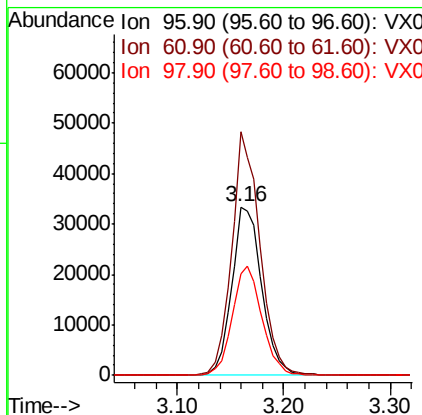
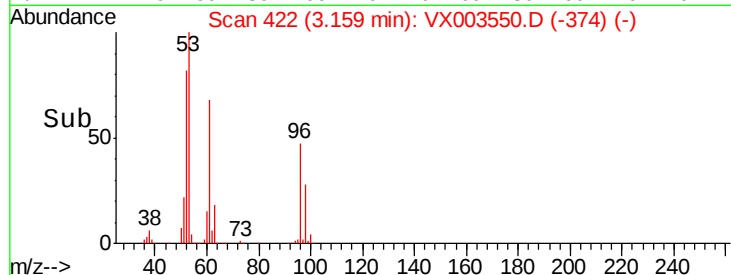
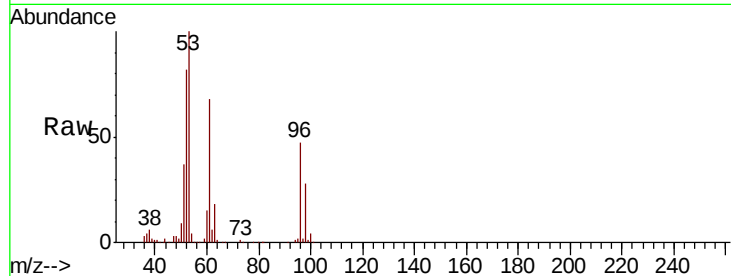
98 60.1 52.4 78.6

Manual Integrations

APPROVED

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#22

Diisopropyl ether

Concen: 22.225 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.00 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Tgt Ion: 45 Resp: 217378

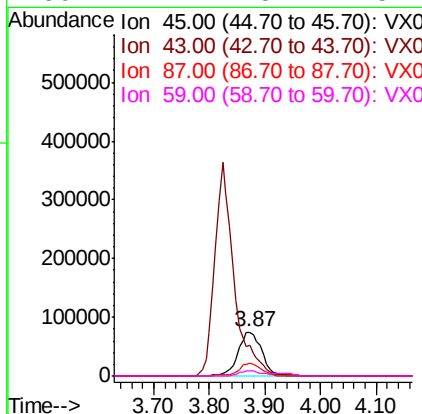
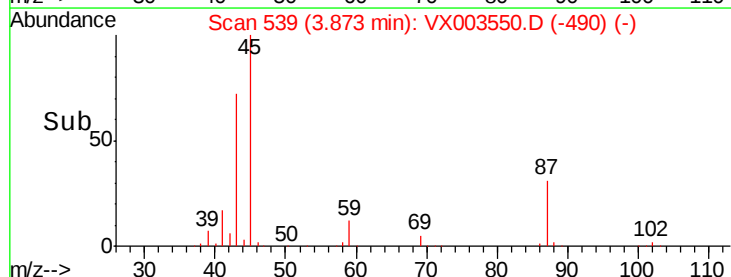
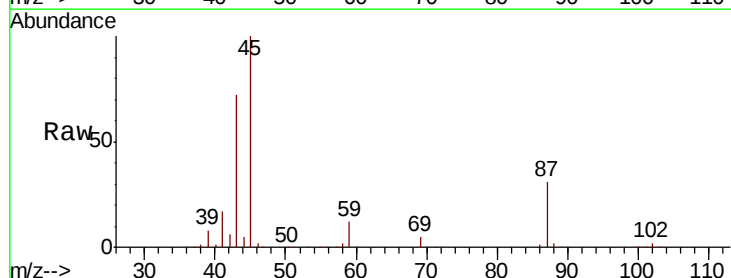
Ion Ratio Lower Upper

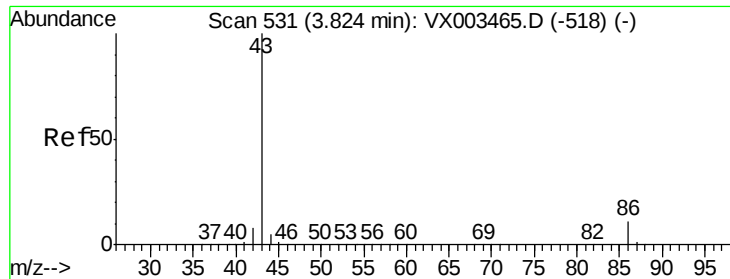
45 100

43 71.5 46.8 70.2#

87 30.9 20.2 30.4#

59 11.7 8.7 13.1





#23

Vinyl Acetate

Concen: 110.179 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.00 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VX0721MBS02

Tgt Ion: 43 Resp: 887671

Ion Ratio Lower Upper

43 100

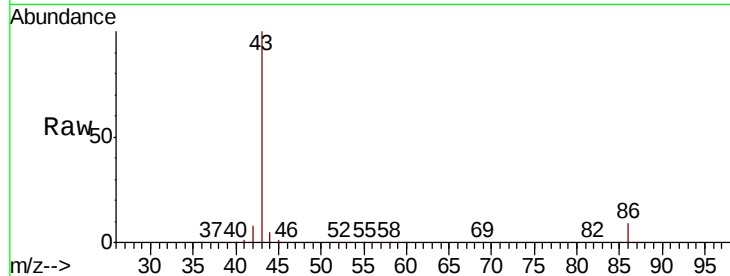
86 9.4 7.4 11.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

400000

300000

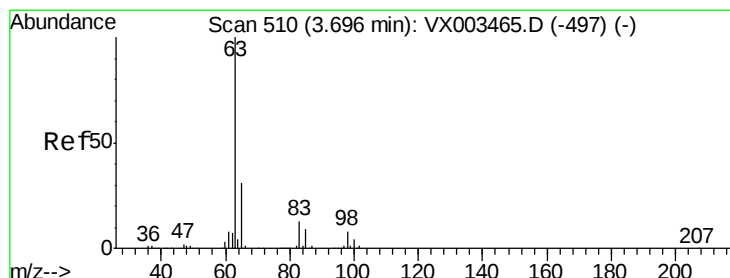
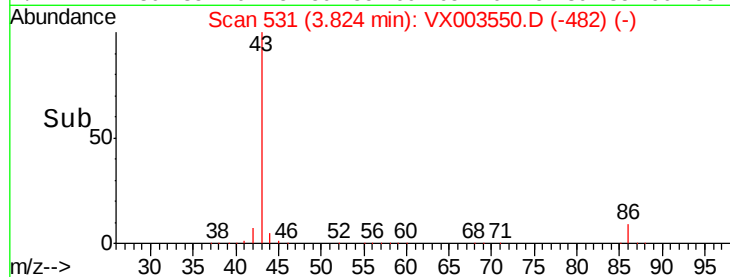
200000

100000

0

3.80 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 21.497 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

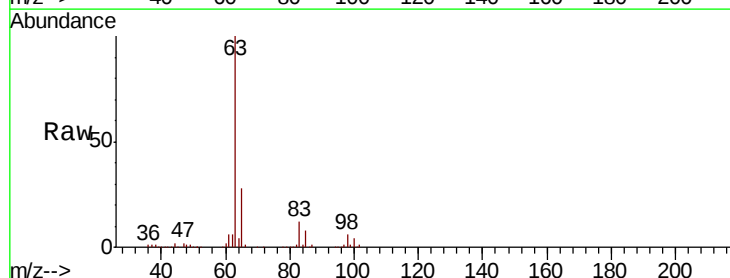
Tgt Ion: 63 Resp: 123363

Ion Ratio Lower Upper

63 100

98 6.1 3.4 10.2

100 3.9 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.70

60000

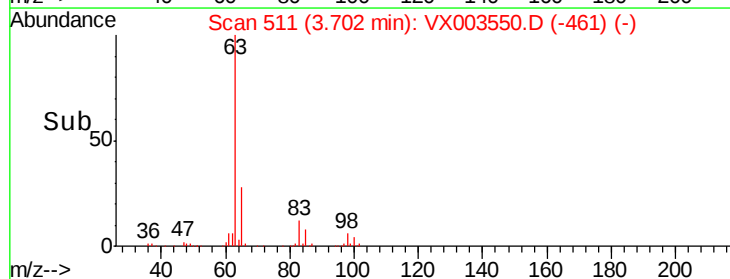
40000

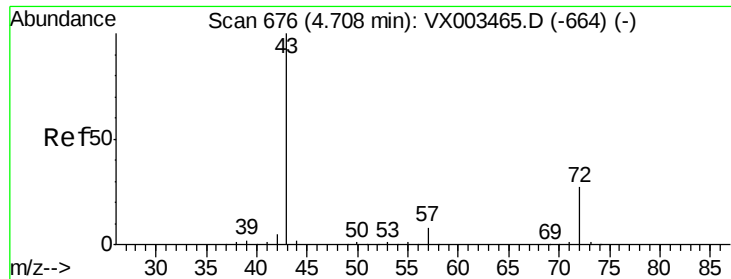
20000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 111.291 ug/l

RT: 4.70 min Scan# 675

Delta R.T. -0.01 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VX0721MBS02

Tgt Ion: 43 Resp: 240020

Ion Ratio Lower Upper

43 100

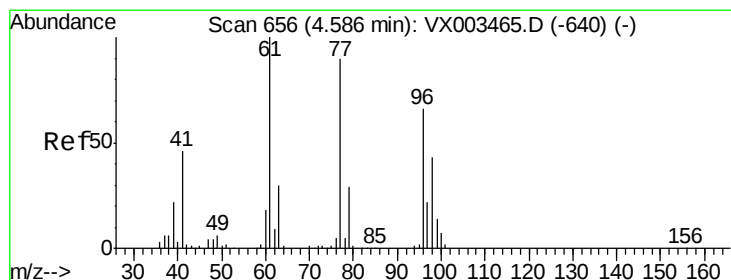
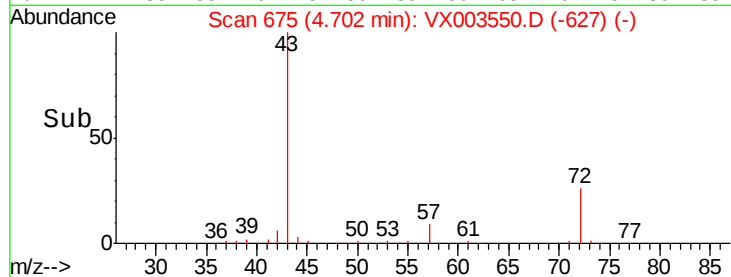
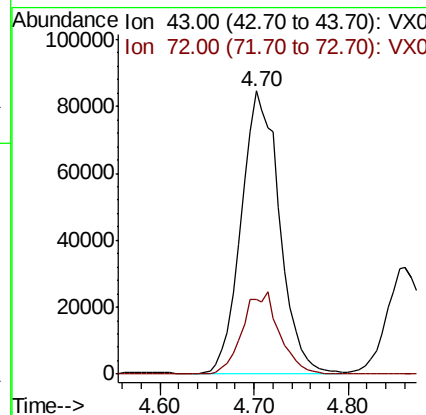
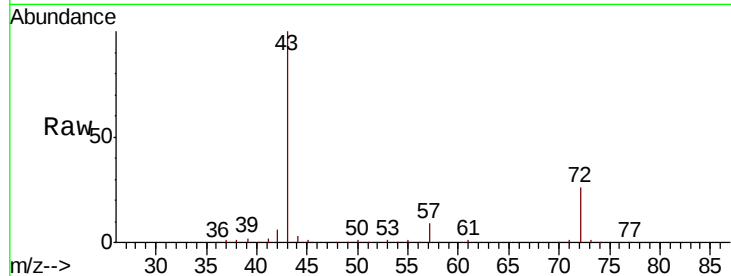
72 26.2 18.5 27.7

Manual Integrations

APPROVED

MMDadoda

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#26

2,2-Dichloropropane

Concen: 22.900 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX003550.D

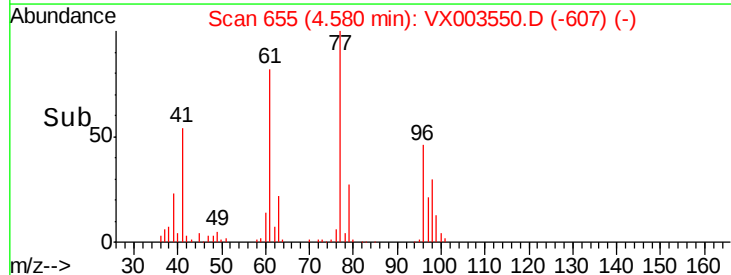
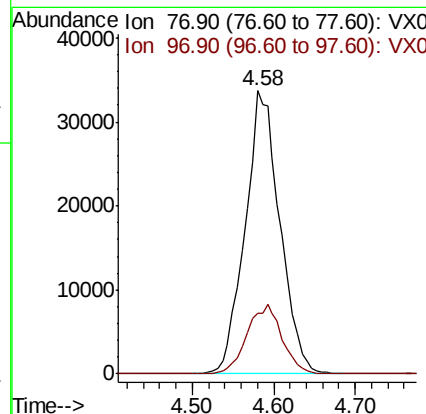
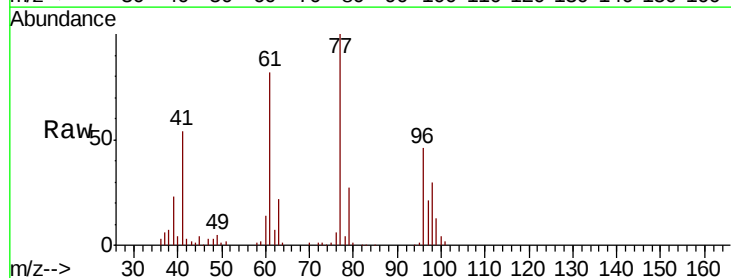
Acq: 21 Jul 2018 13:09

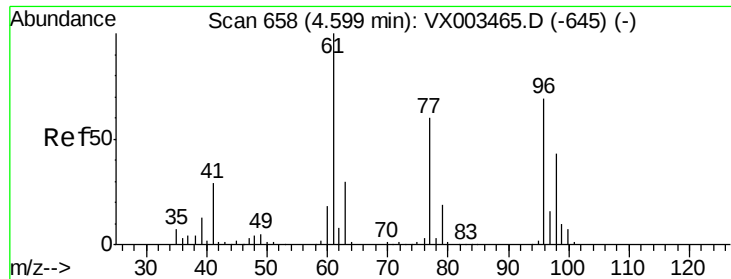
Tgt Ion: 77 Resp: 99812

Ion Ratio Lower Upper

77 100

97 24.6 11.2 33.5





#27

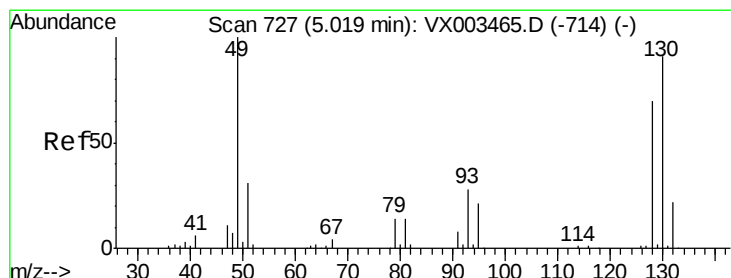
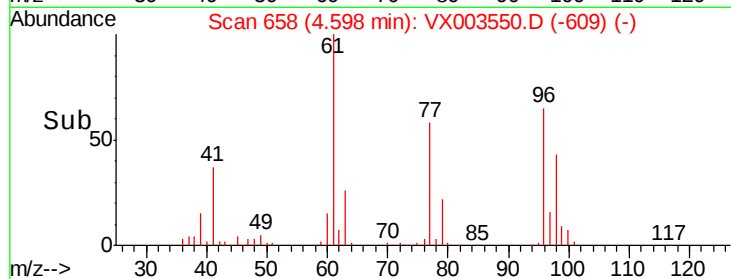
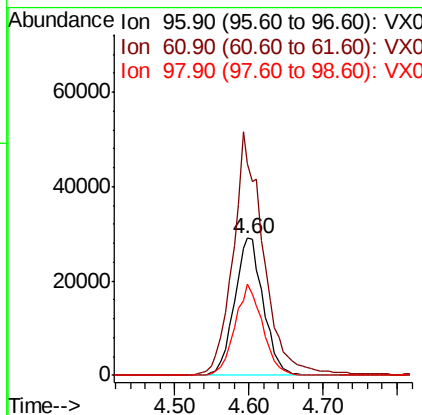
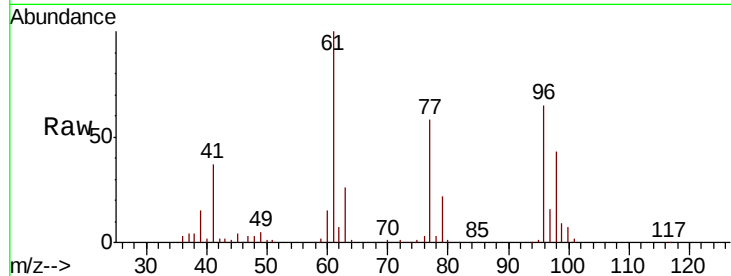
cis-1,2-Dichloroethene
Concen: 21.622 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0721MBS02

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	78655		
61	189.6	0.0	330.2	
98	64.2	0.0	130.2	

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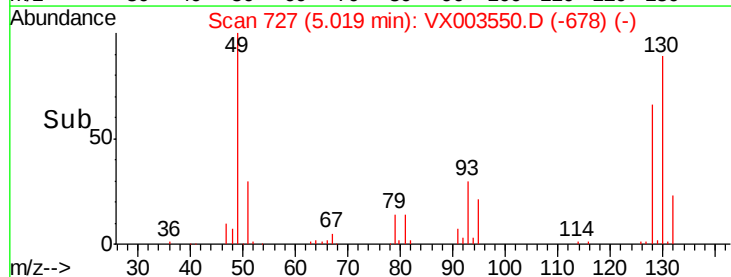
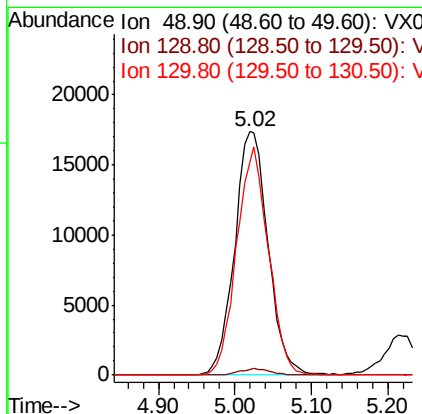
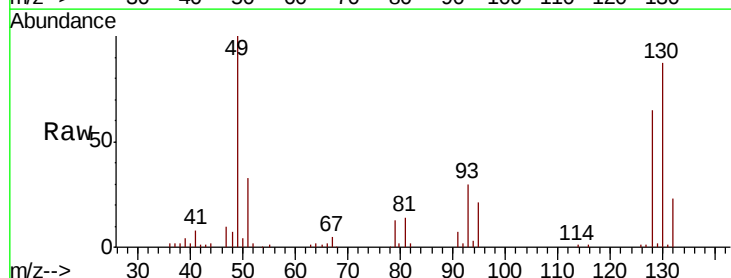
MMDadoda
7/23/2018 3:19:18 PM



#28

Bromochloromethane
Concen: 21.029 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	52748		
129	2.3	0.0	4.2	
130	88.8	61.2	91.8	





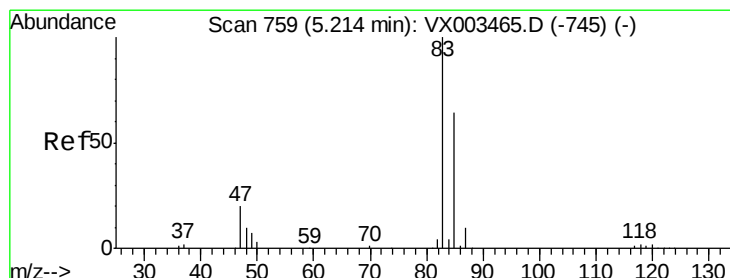
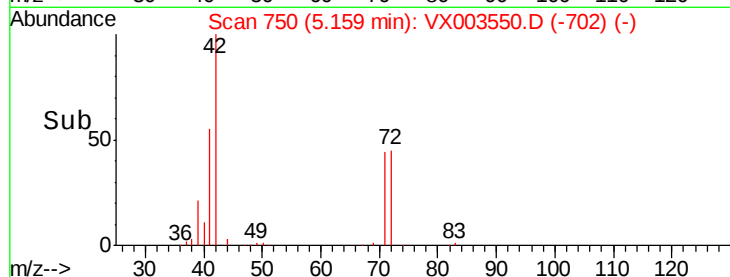
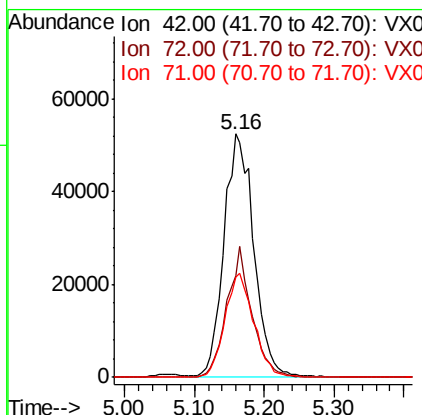
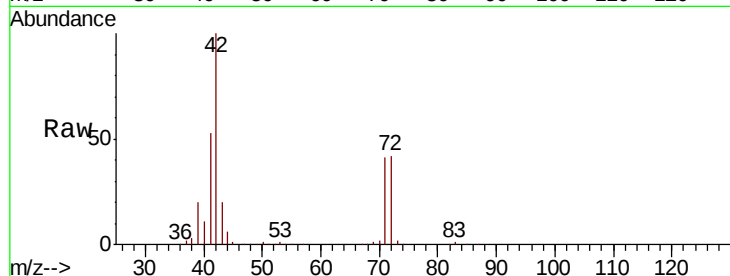
#29
Tetrahydrofuran
Concen: 108.713 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.01 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0721MBS02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	44.8	32.0	48.0
71	41.6	30.1	45.1

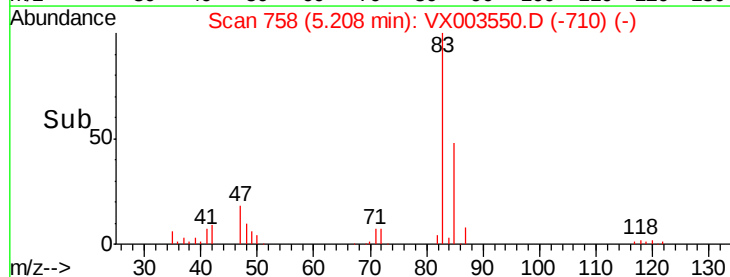
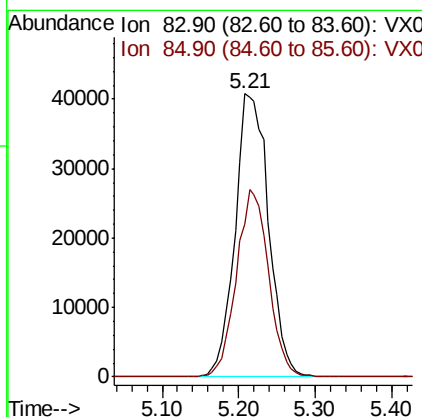
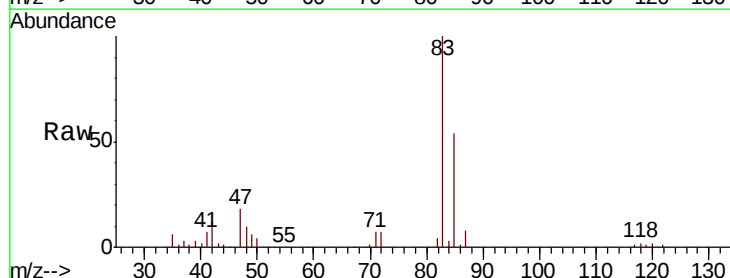
Manual Integrations
APPROVED

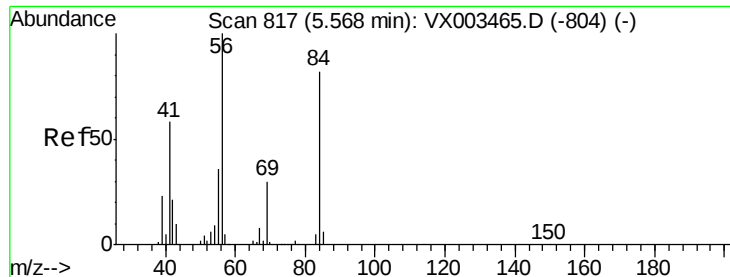
MMDadoda
7/23/2018 3:19:18 PM



#30
Chloroform
Concen: 22.031 ug/l
RT: 5.21 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	54.1	50.4	75.6





#31

Cyclohexane

Concen: 20.717 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VX0721MBS02

Tgt Ion: 56 Resp: 106223

Ion Ratio Lower Upper

56 100

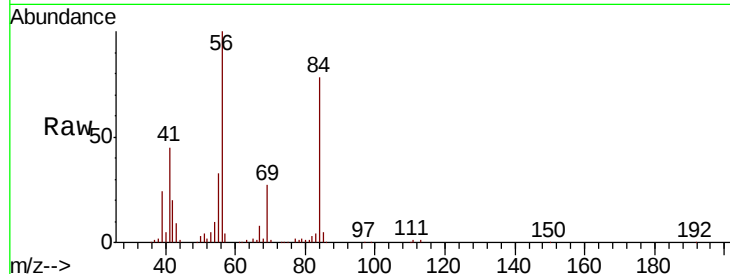
69 26.8 23.7 35.5

84 76.7 64.1 96.1

Manual Integrations
APPROVED

MMDadoda

7/23/2018 3:19:18 PM

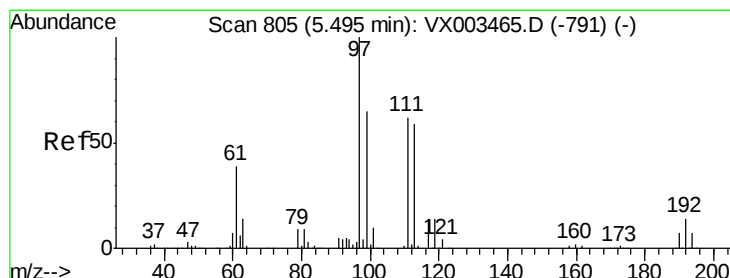
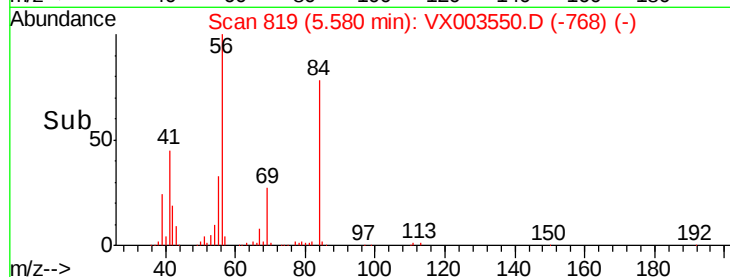
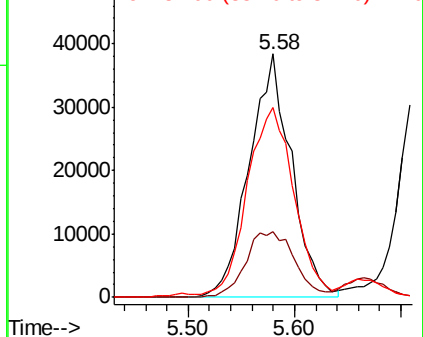


Abundance

Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 20.935 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

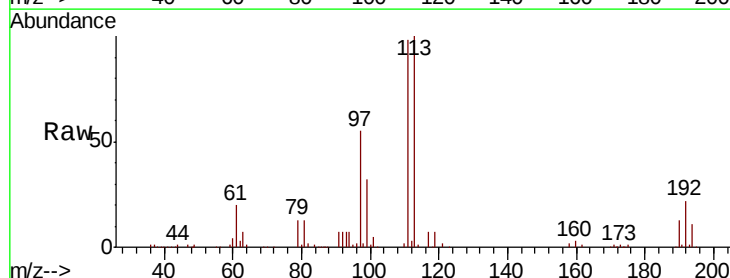
Tgt Ion: 97 Resp: 100461

Ion Ratio Lower Upper

97 100

99 64.2 51.6 77.4

61 42.5 36.4 54.6

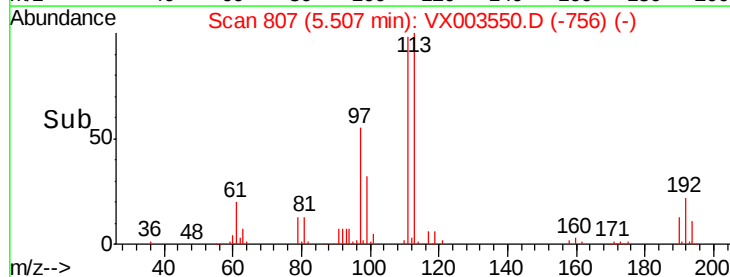
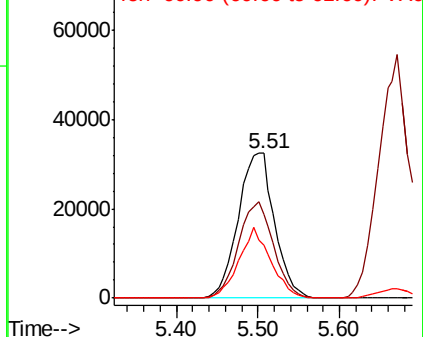


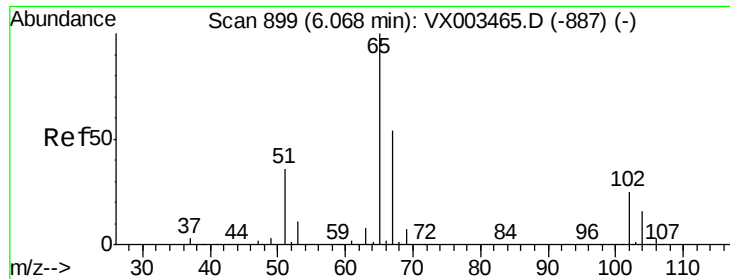
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





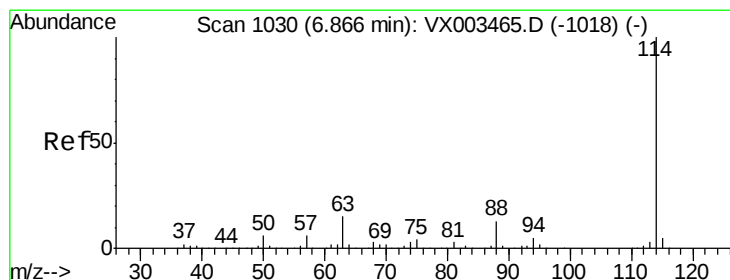
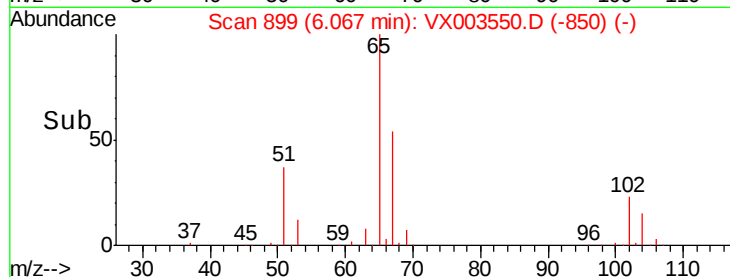
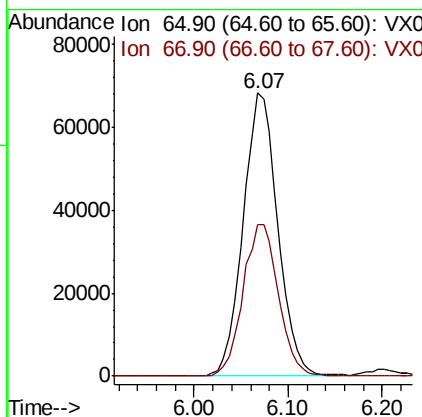
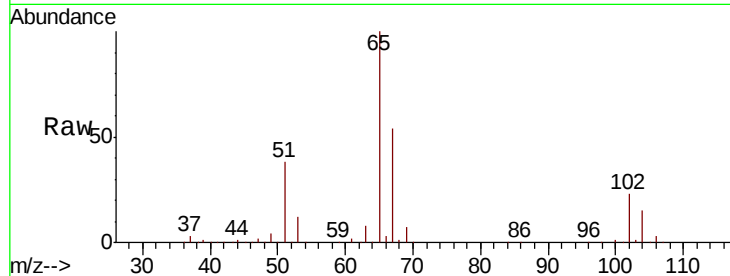
#33
 1,2-Dichloroethane-d4
 Concen: 51.771 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX003550.D
 Acq: 21 Jul 2018 13:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721MBS02

Tgt Ion: 65 Resp: 176179
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 102.6

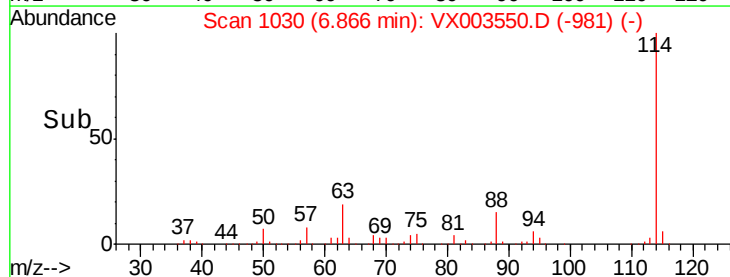
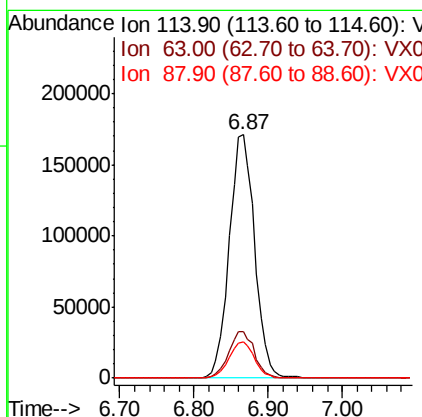
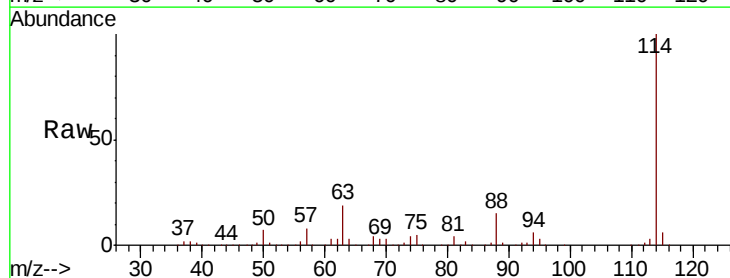
Manual Integrations
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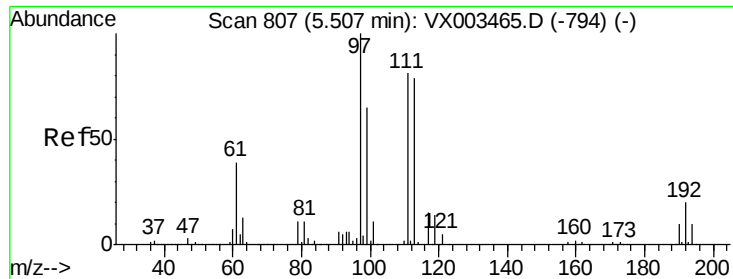
MMDadoda
 7/23/2018 3:19:18 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003550.D
 Acq: 21 Jul 2018 13:09

Tgt Ion: 114 Resp: 408935
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 41.4
 88 14.7 0.0 30.0





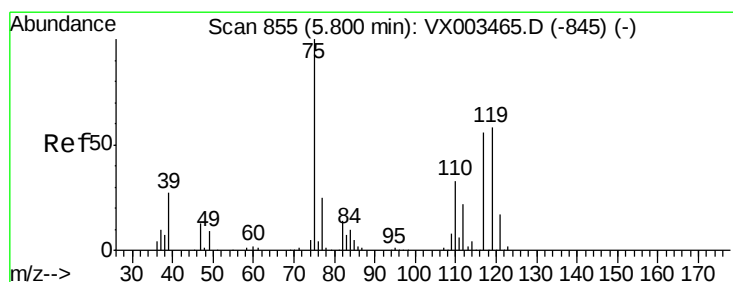
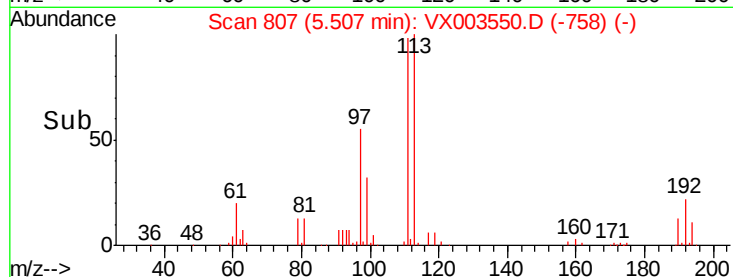
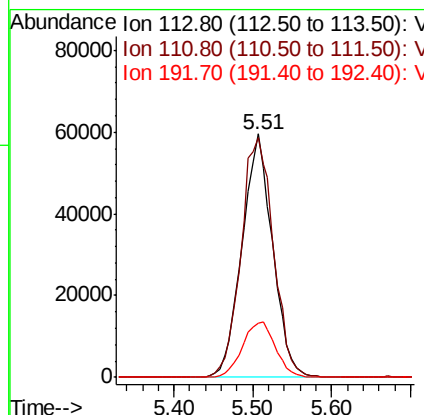
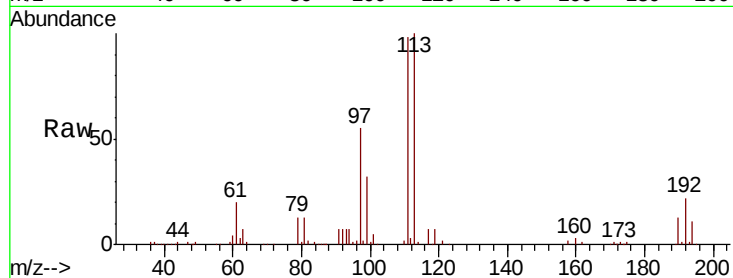
#35
 Dibromofluoromethane
 Concen: 51.306 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX003550.D
 Acq: 21 Jul 2018 13:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721MBS02

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	159805		
111	105.0	81.4	122.0	
192	24.5	19.1	28.7	

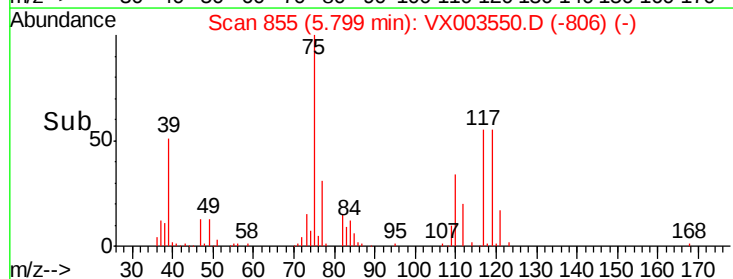
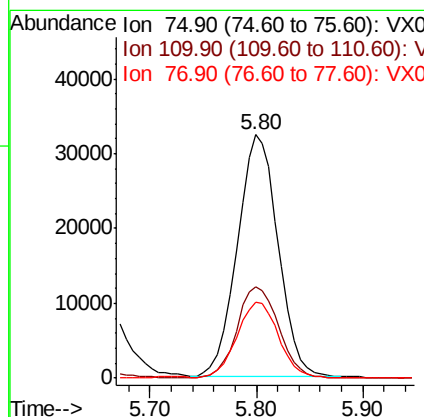
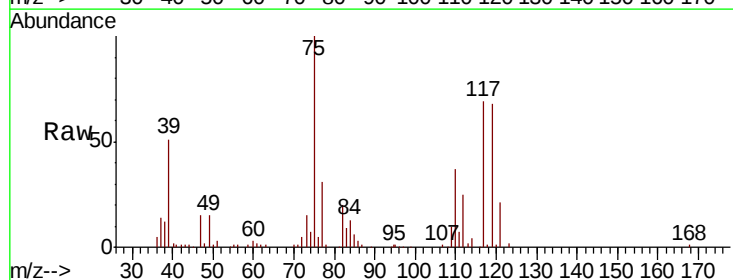
Manual Integrations
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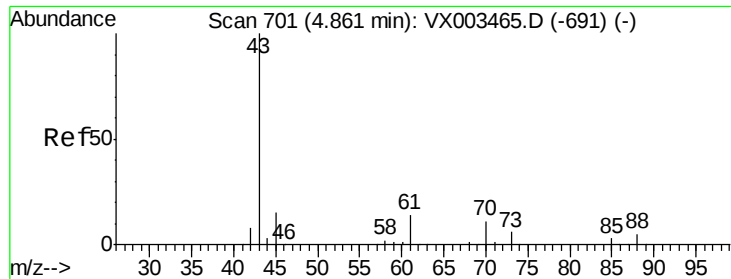
MMDadoda
 7/23/2018 3:19:18 PM



#36
 1,1-Dichloropropene
 Concen: 19.656 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VX003550.D
 Acq: 21 Jul 2018 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	86782		
110	38.9	18.1	54.4	
77	32.3	24.3	36.5	





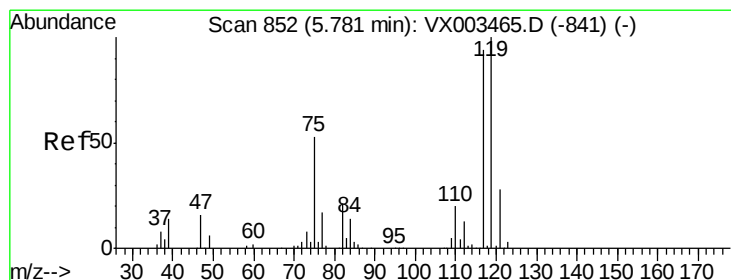
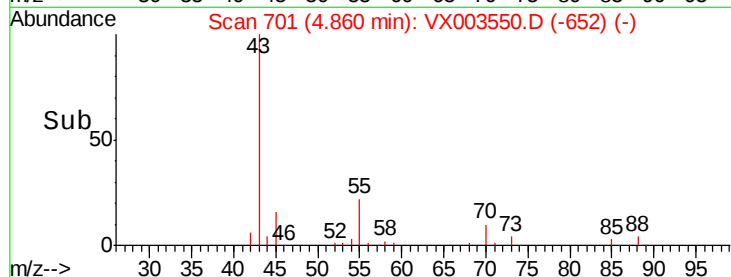
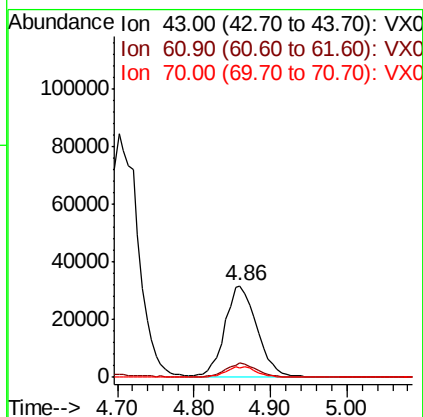
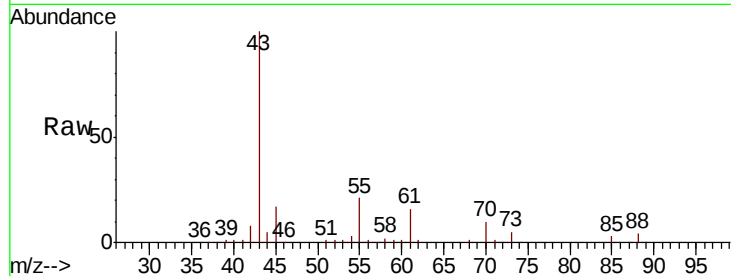
#37
Ethyl Acetate
Concen: 21.938 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0721MBS02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.4	10.4	15.6
70	11.4	7.6	11.4

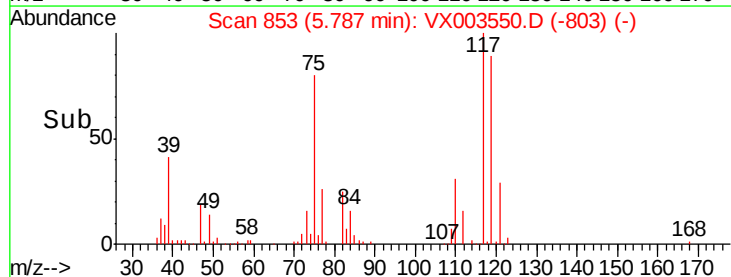
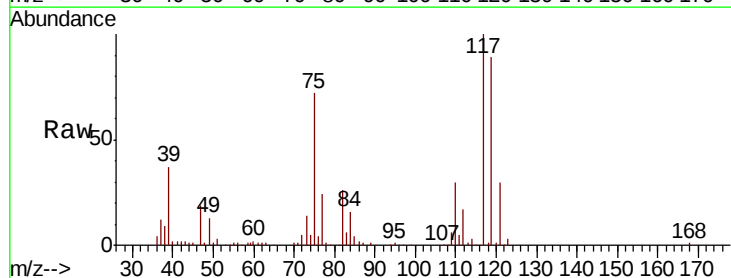
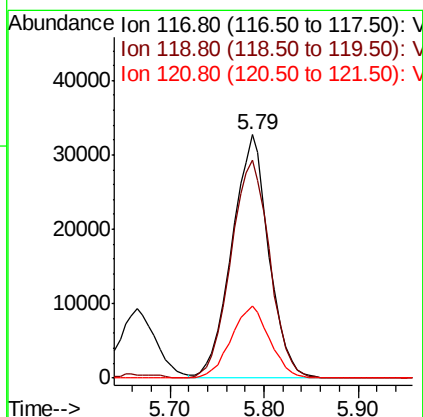
Manual Integrations
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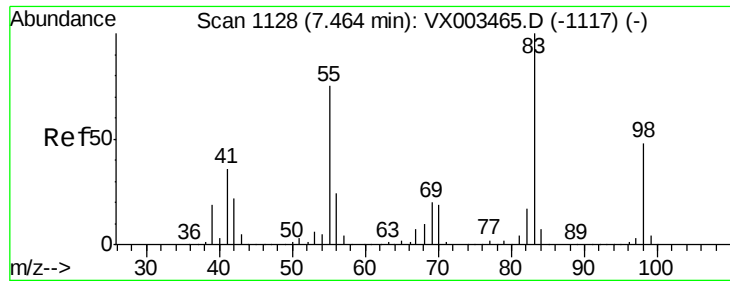
MMDadoda
7/23/2018 3:19:18 PM



#38
Carbon Tetrachloride
Concen: 20.623 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.01 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.4	77.4	116.0
121	29.5	24.4	36.6





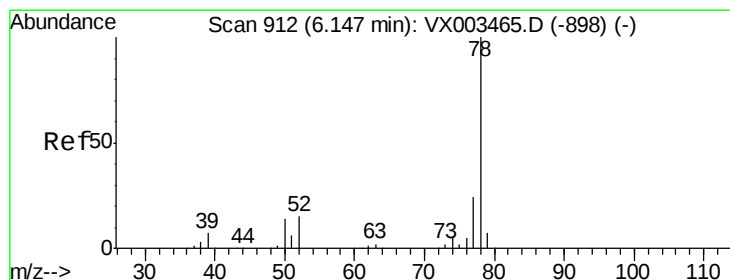
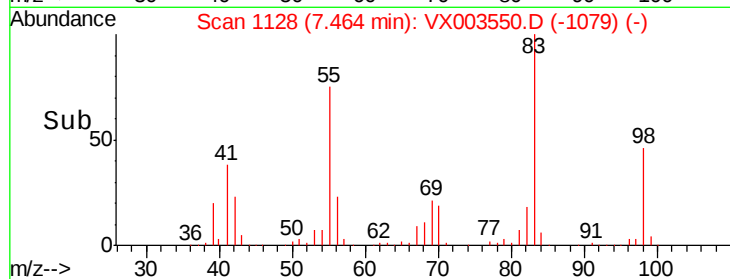
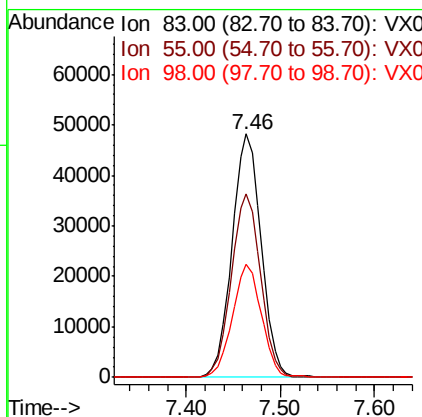
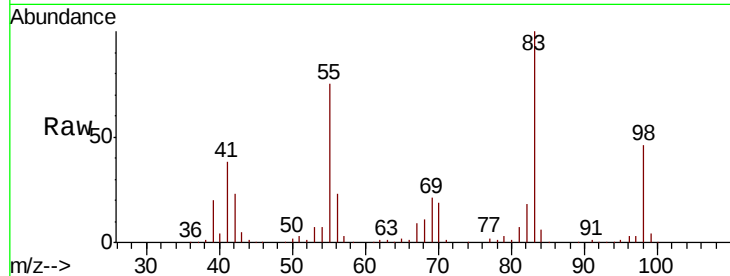
#39
Methylcyclohexane
Concen: 19.722 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0721MBS02

Tgt Ion	Ratio	Lower	Upper
83	100		
55	75.3	65.4	98.0
98	46.3	37.4	56.0

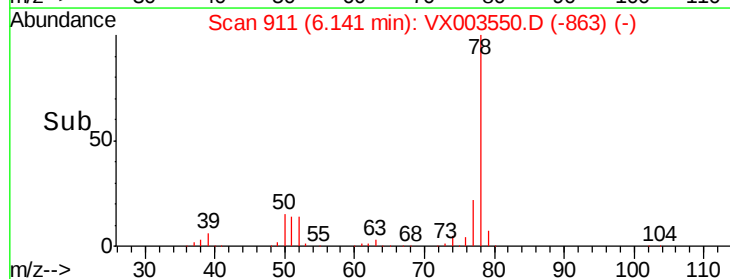
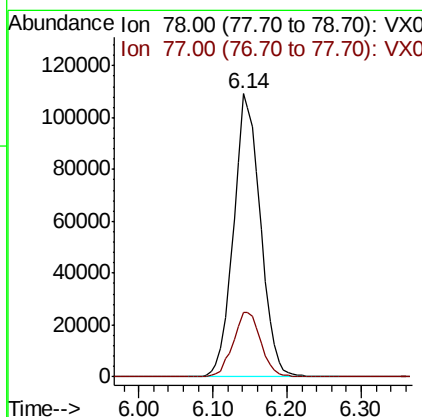
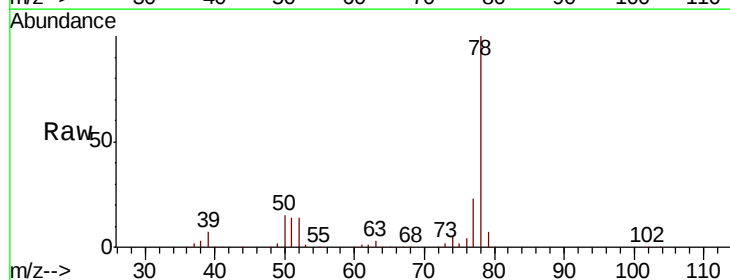
Manual Integrations
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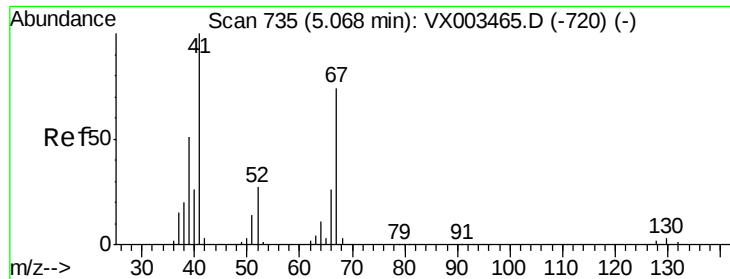
MMDadoda
7/23/2018 3:19:18 PM



#40
Benzene
Concen: 20.747 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.1	28.7





#41

Methacrylonitrile

Concen: 20.612 ug/l

RT: 5.07 min Scan# 735

Delta R.T. -0.00 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VX0721MBS02

Tgt Ion: 41 Resp: 50613

Ion Ratio Lower Upper

41 100

39 53.7 45.8 68.6

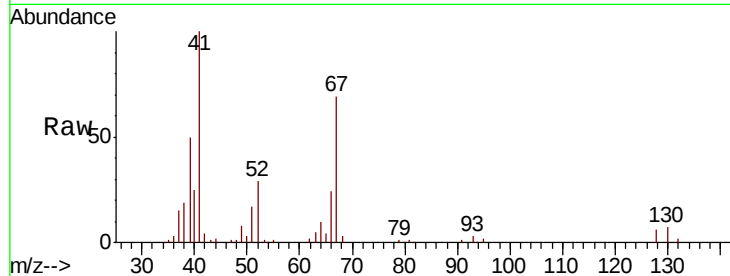
67 80.7 51.3 76.9

52 30.4 23.0 34.6

Manual Integrations
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MMDadoda

7/23/2018 3:19:18 PM

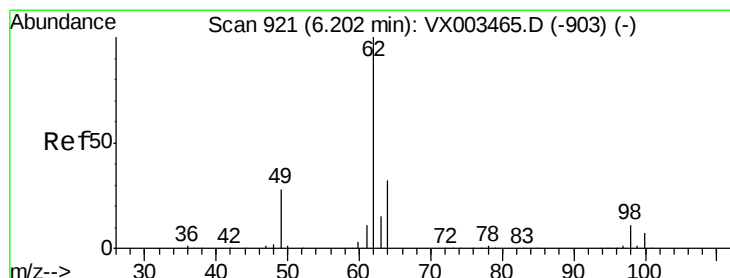
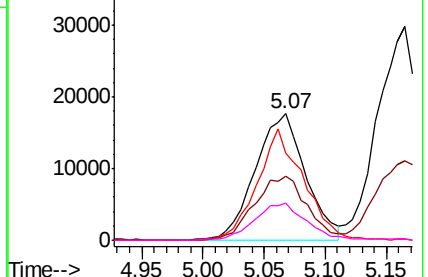
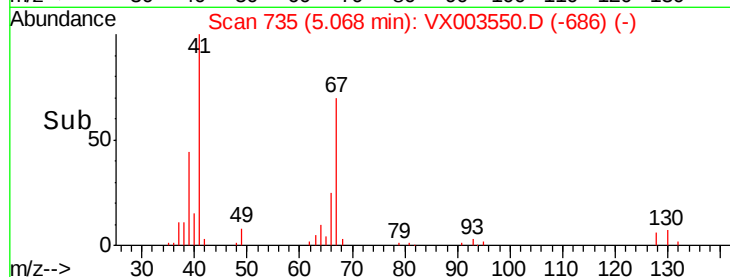


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 21.493 ug/l

RT: 6.20 min Scan# 921

Delta R.T. -0.00 min

Lab File: VX003550.D

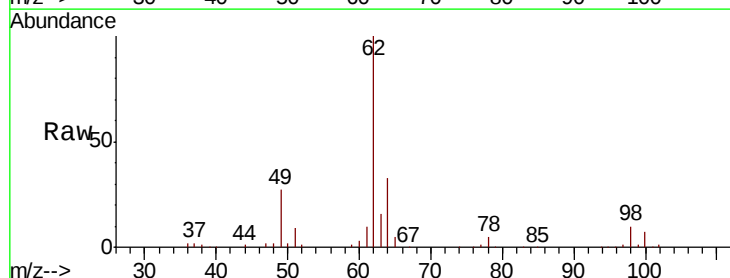
Acq: 21 Jul 2018 13:09

Tgt Ion: 62 Resp: 90270

Ion Ratio Lower Upper

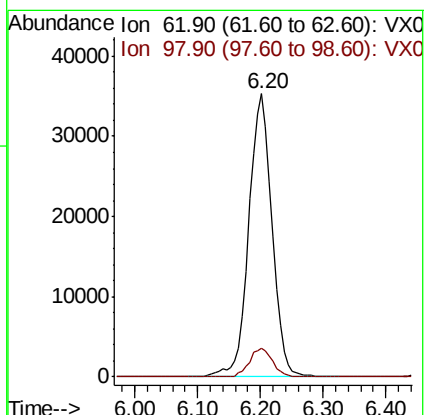
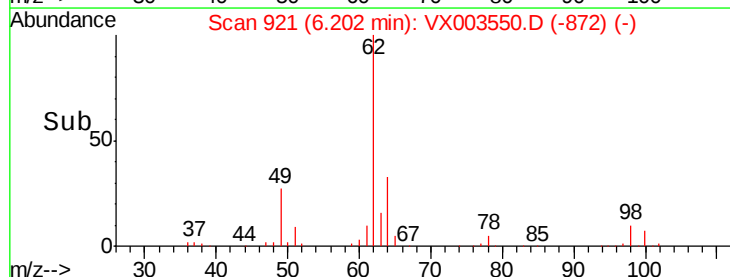
62 100

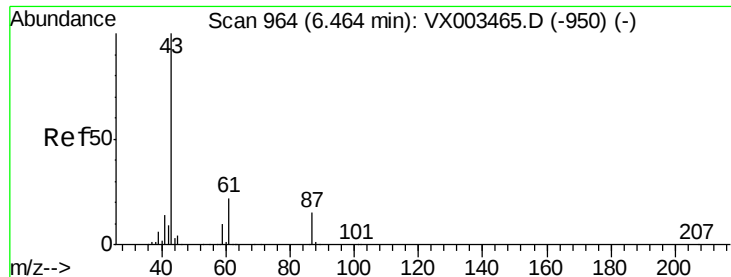
98 10.1 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 20.516 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Instrument :

MSVOA_X

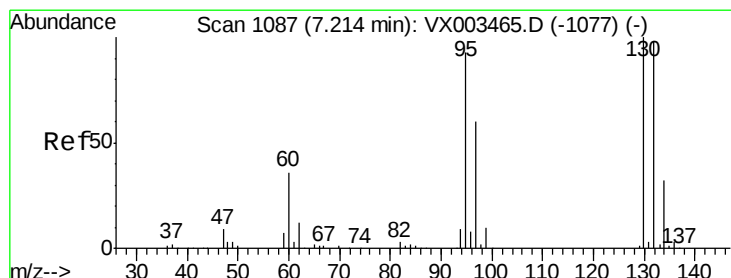
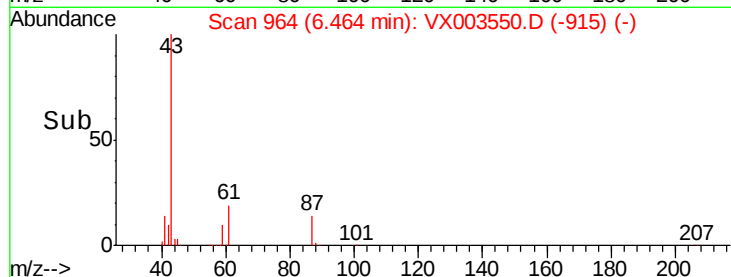
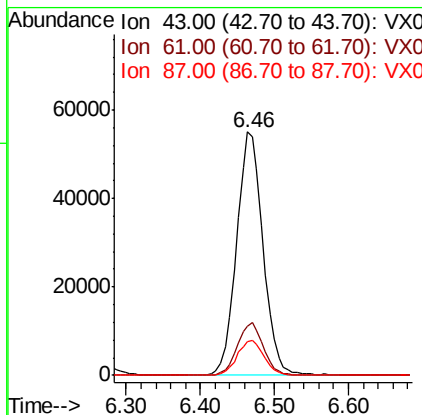
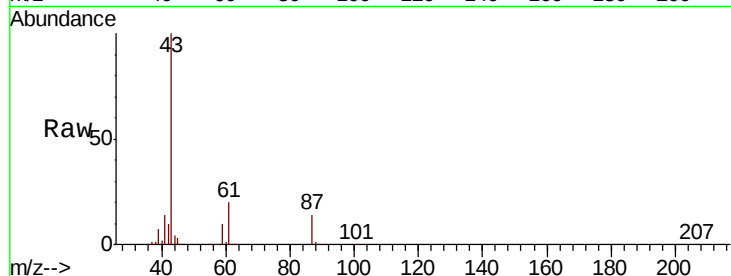
ClientSampleId :

VX0721MBS02

Tgt Ion:	43	Resp:	136346
Ion	Ratio	Lower	Upper
43	100		
61	21.4	14.4	21.6
87	14.6	9.5	14.3#

Manual Integrations
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#44

Trichloroethene

Concen: 21.022 ug/l

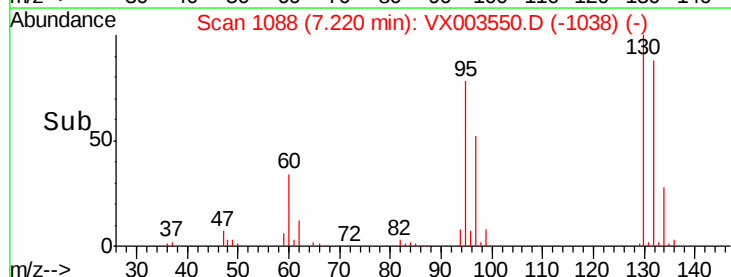
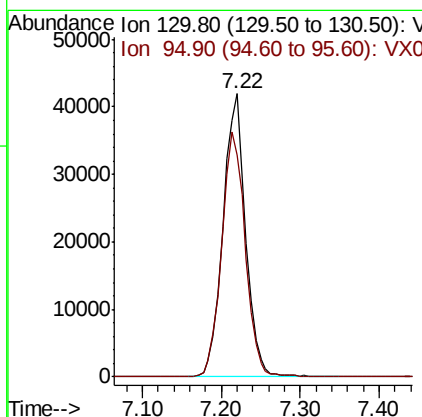
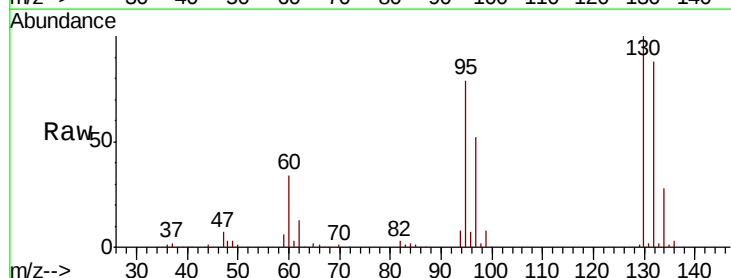
RT: 7.22 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Tgt Ion:	130	Resp:	83573
Ion	Ratio	Lower	Upper
130	100		
95	78.5	0.0	185.4





#45

1,2-Dichloropropane

Concen: 20.890 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VX0721MBS02

Tgt Ion: 63 Resp: 70708

Ion Ratio Lower Upper

63 100

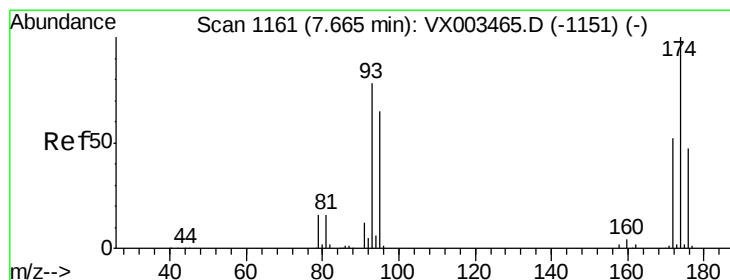
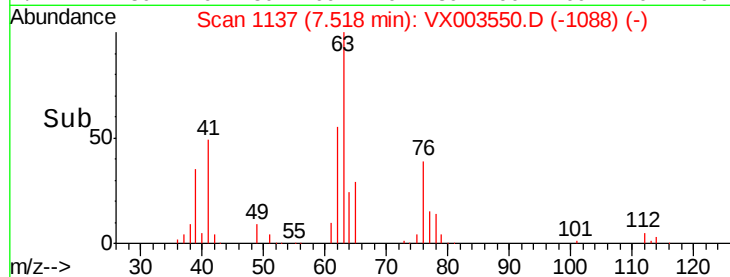
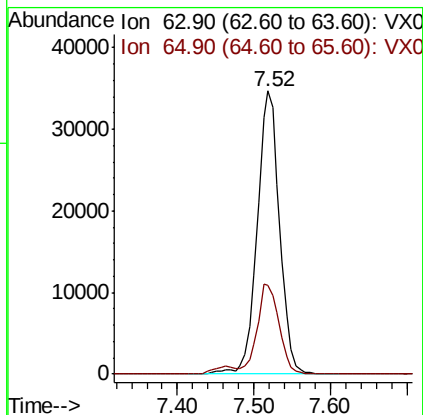
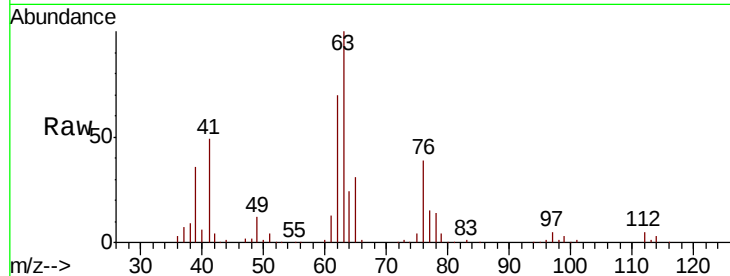
65 31.3 24.7 37.1

Manual Integrations

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#46

Dibromomethane

Concen: 21.161 ug/l

RT: 7.66 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

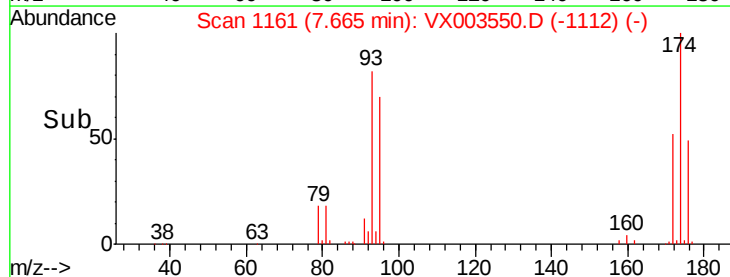
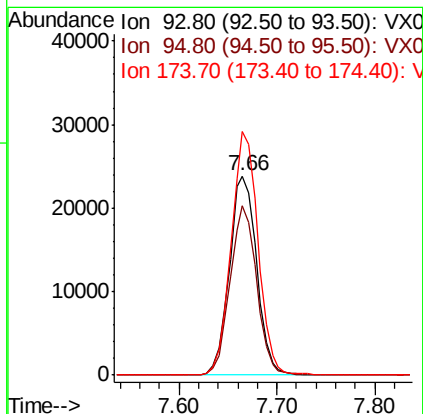
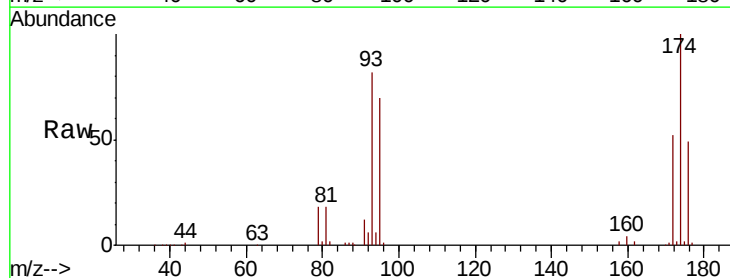
Tgt Ion: 93 Resp: 46114

Ion Ratio Lower Upper

93 100

95 82.7 65.9 98.9

174 120.1 92.4 138.6





#47

Bromodichloromethane

Concen: 20.577 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Instrument :

MSVOA_X

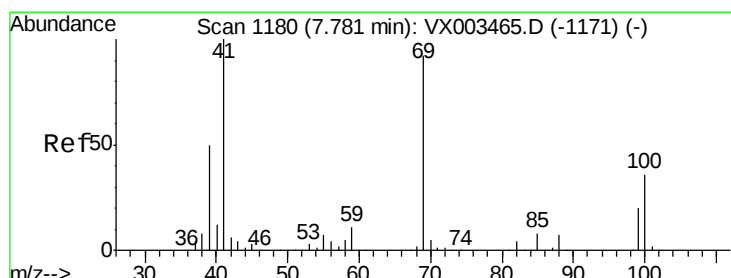
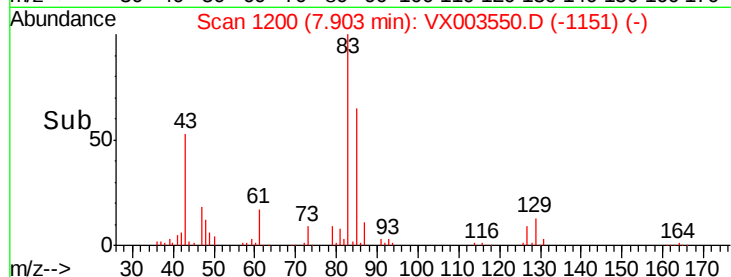
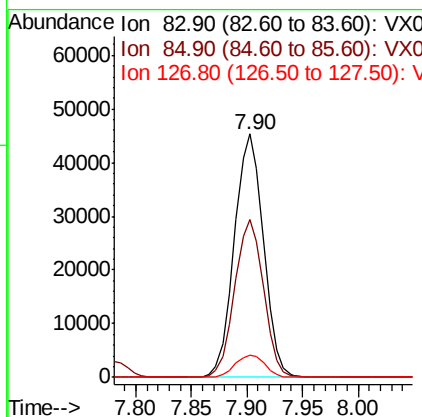
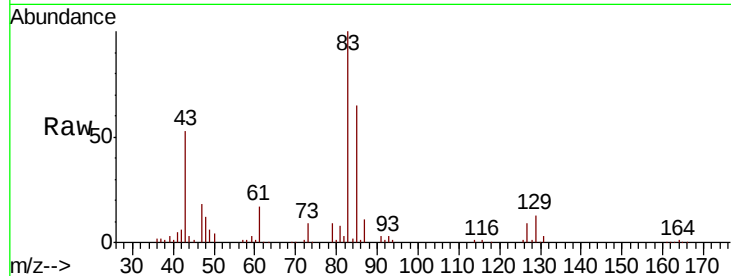
ClientSampleId :

VX0721MBS02

Tgt Ion:	83	Resp:	82091
Ion Ratio	Lower	Upper	
83	100		
85	64.7	50.3	75.5
127	9.0	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.857 ug/l

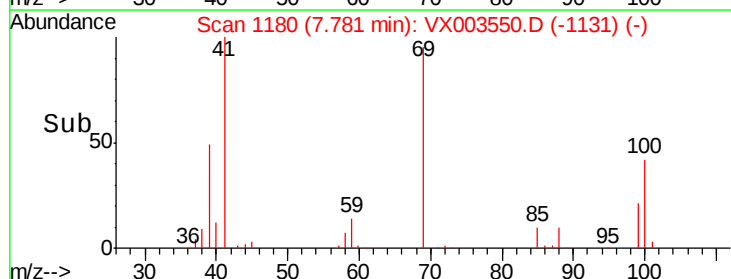
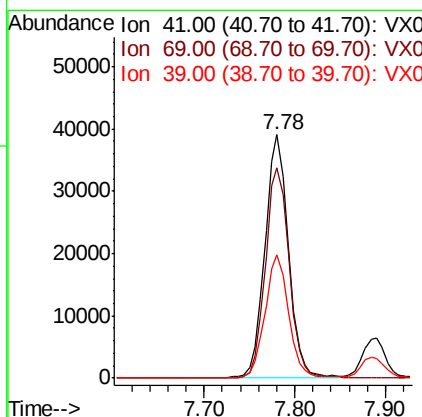
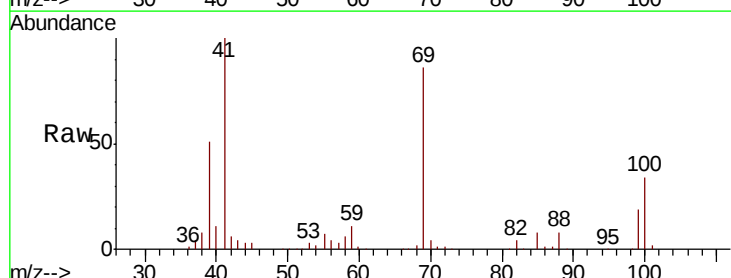
RT: 7.78 min Scan# 1180

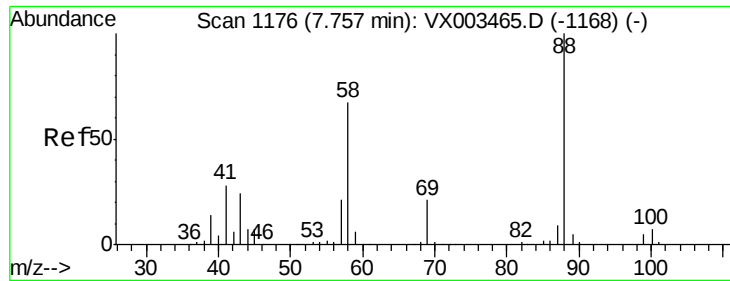
Delta R.T. -0.00 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Tgt Ion:	41	Resp:	69904
Ion Ratio	Lower	Upper	
41	100		
69	88.0	59.1	88.7
39	50.6	48.9	73.3





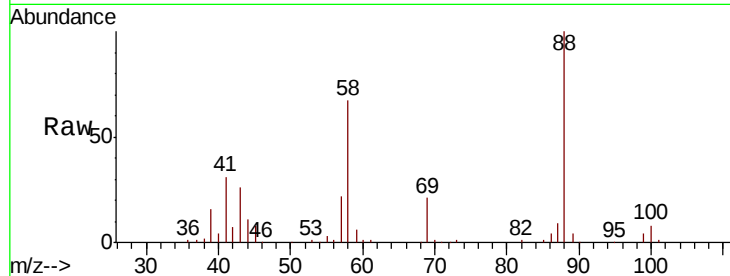
#49
1,4-Dioxane
Concen: 414.728 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0721MBS02

Tgt Ion	Ratio	Lower	Upper
88	100		
43	29.6	29.8	44.6#
58	70.2	57.1	85.7

Manual Integrations
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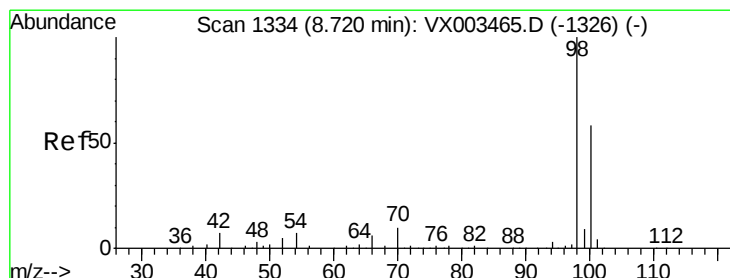
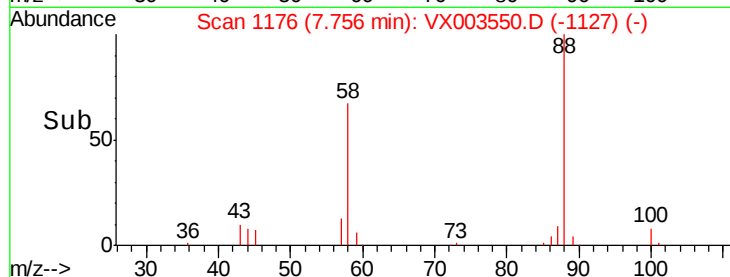
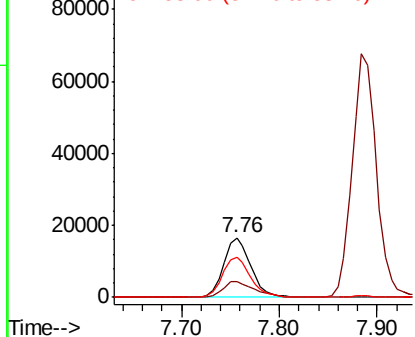


Abundance

Ion 88.00 (87.70 to 88.70): VX0

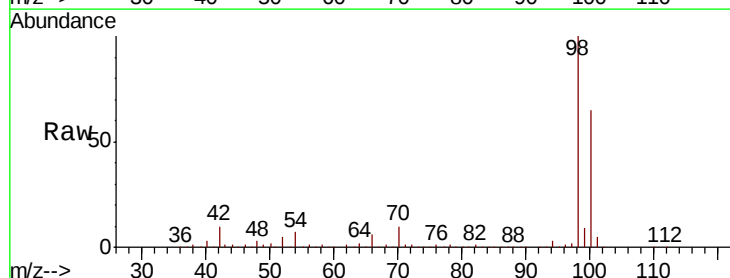
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 50.988 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

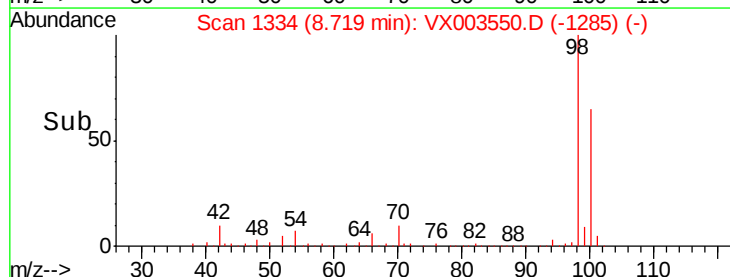
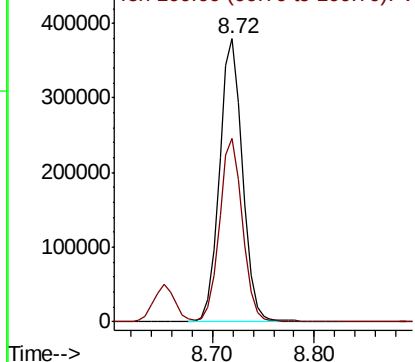
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	50.9	76.3

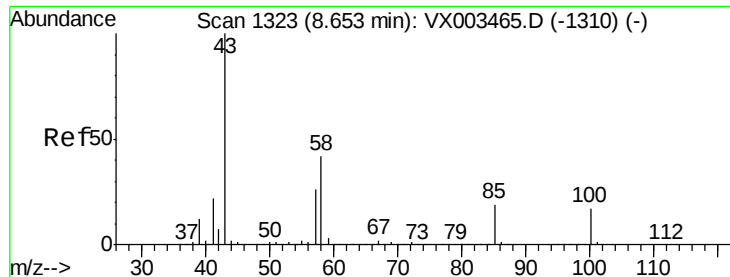


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





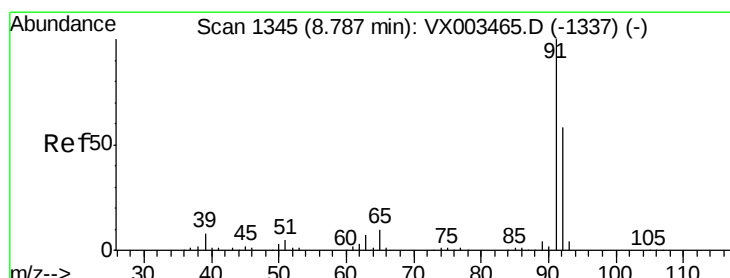
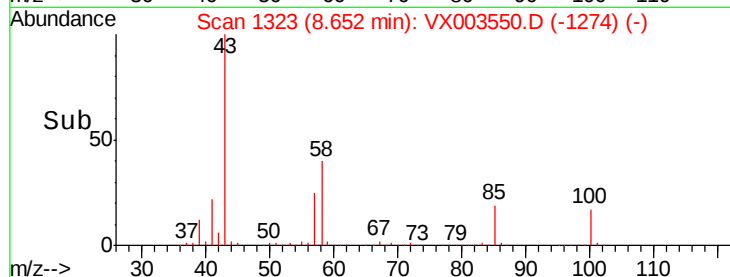
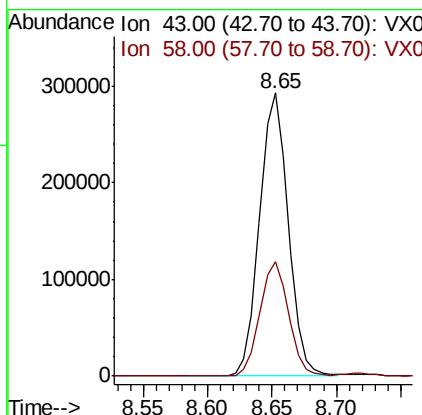
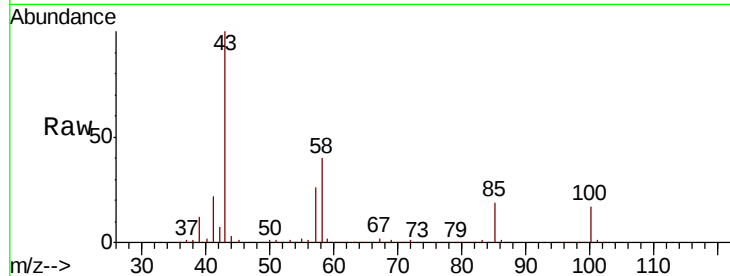
#51
4-Methyl-2-Pentanone
Concen: 107.458 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0721MBS02

Tgt Ion: 43 Resp: 451174
Ion Ratio Lower Upper
43 100
58 40.3 28.6 42.8

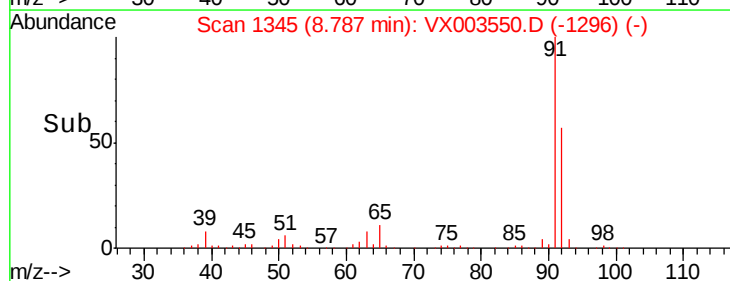
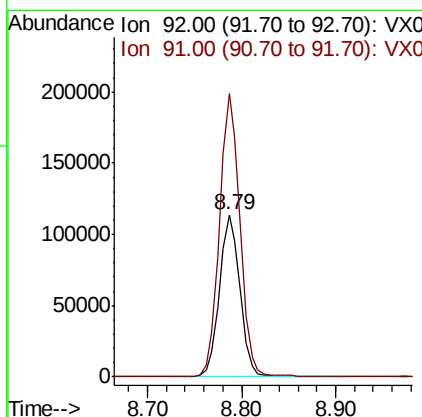
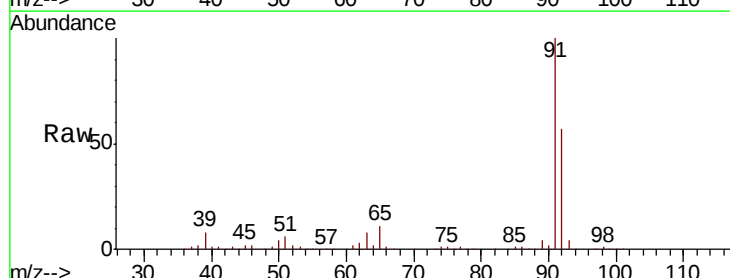
Manual Integrations
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#52
Toluene
Concen: 20.486 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Tgt Ion: 92 Resp: 171892
Ion Ratio Lower Upper
92 100
91 175.3 140.4 210.6





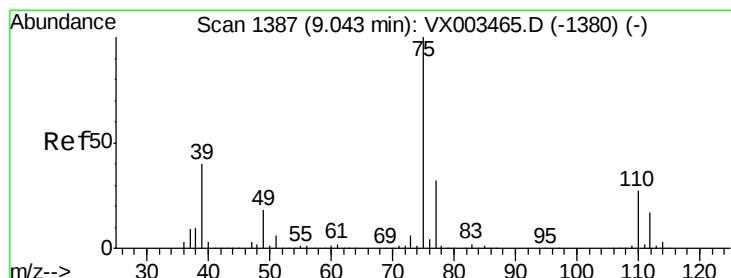
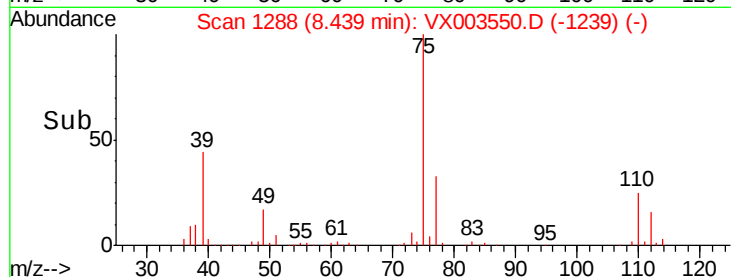
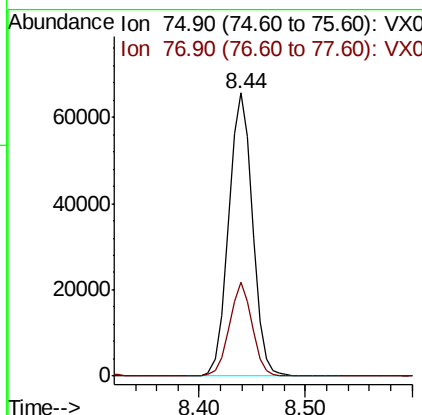
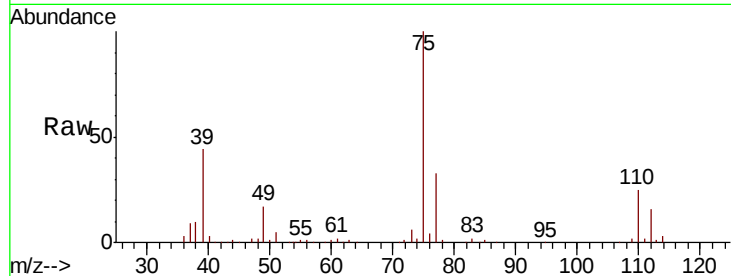
#53
t-1,3-Dichloropropene
Concen: 21.043 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0721MBS02

Tgt Ion: 75 Resp: 103325
Ion Ratio Lower Upper
75 100
77 33.3 25.4 38.2

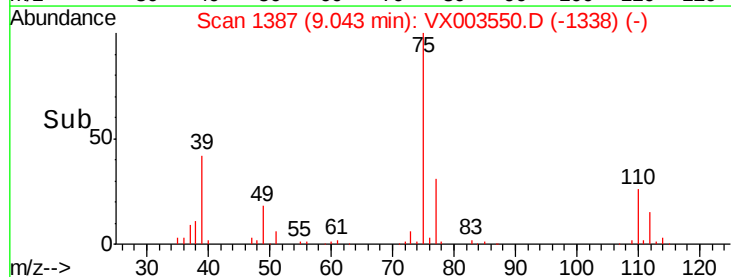
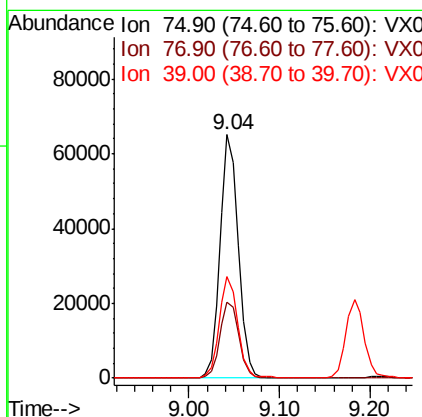
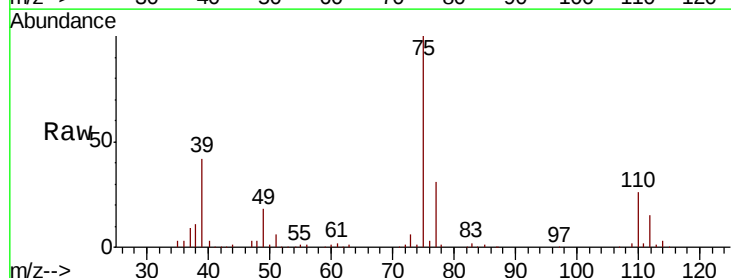
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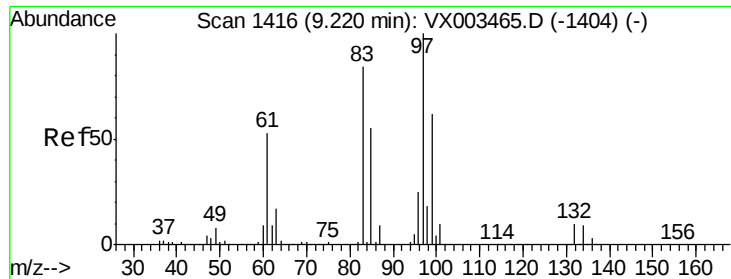
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#54
cis-1,3-Dichloropropene
Concen: 20.729 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Tgt Ion: 75 Resp: 91535
Ion Ratio Lower Upper
75 100
77 31.2 24.8 37.2
39 41.8 42.4 63.6#





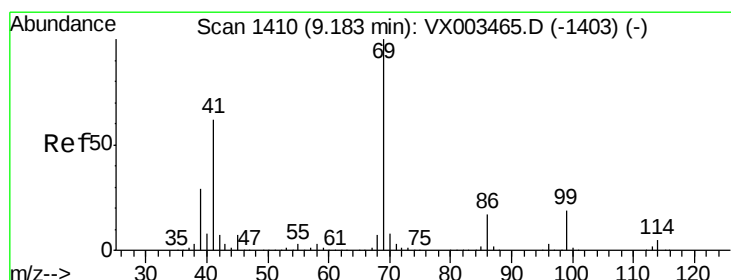
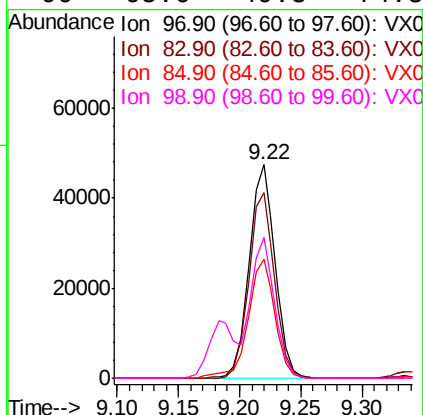
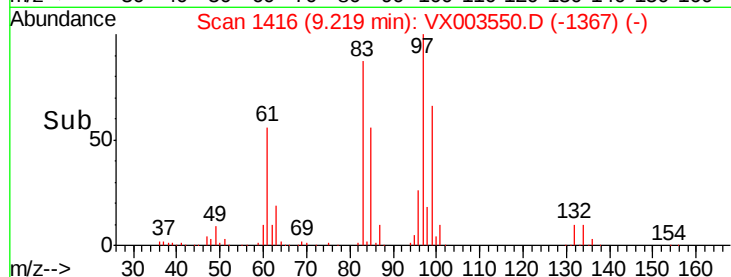
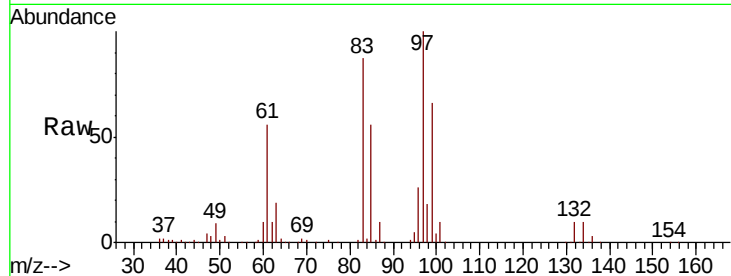
#55
 1,1,2-Trichloroethane
 Concen: 20.931 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX003550.D
 Acq: 21 Jul 2018 13:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721MBS02

Tgt Ion:	97	Resp:	69888
Ion	Ratio	Lower	Upper
97	100		
83	87.0	70.2	105.2
85	55.7	44.9	67.3
99	65.6	49.8	74.8

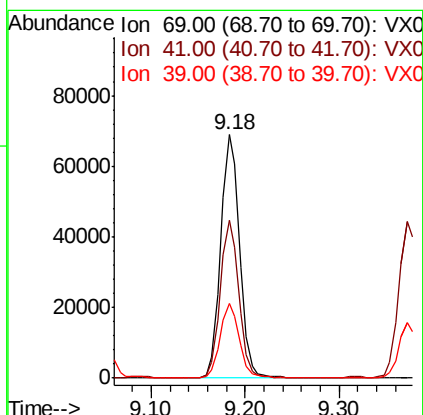
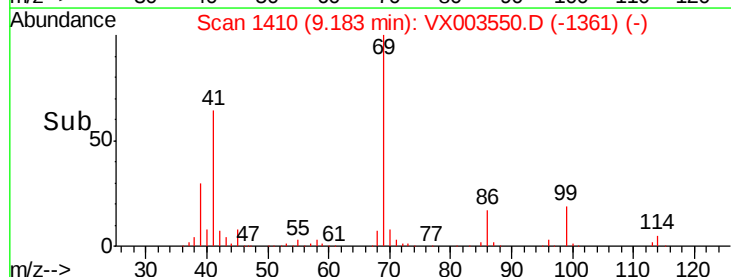
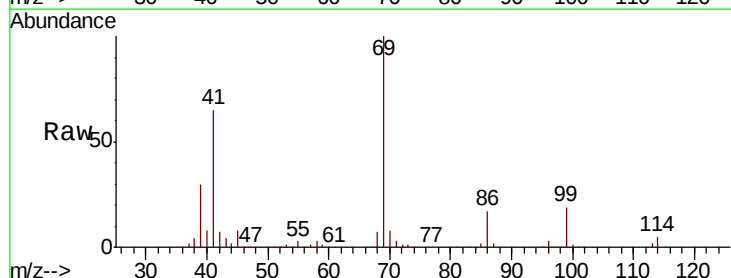
Manual Integrations
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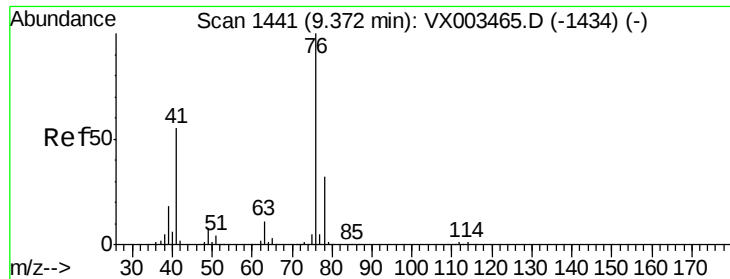
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#56
 Ethyl methacrylate
 Concen: 20.410 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX003550.D
 Acq: 21 Jul 2018 13:09

Tgt Ion:	69	Resp:	95984
Ion	Ratio	Lower	Upper
69	100		
41	63.6	60.3	90.5
39	31.2	35.8	53.8#





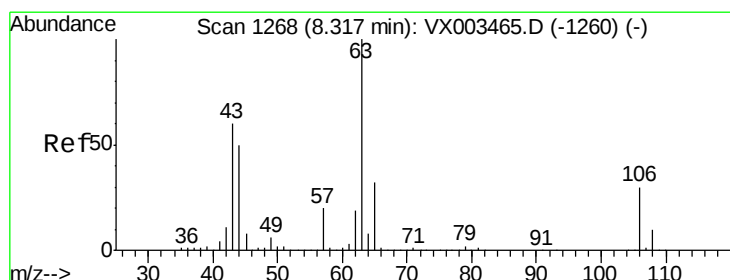
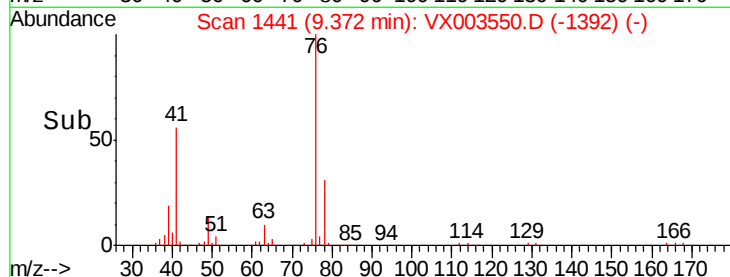
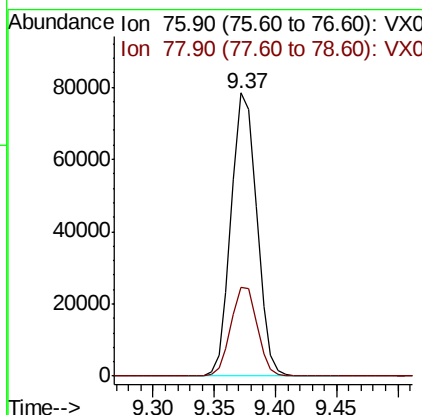
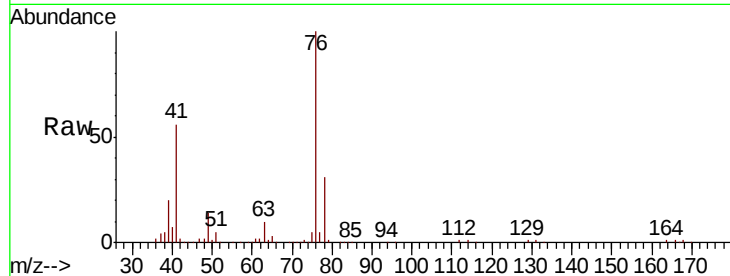
#57
 1,3-Dichloropropane
 Concen: 21.138 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX003550.D
 Acq: 21 Jul 2018 13:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721MBS02

Tgt Ion: 76 Resp: 114084
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.6

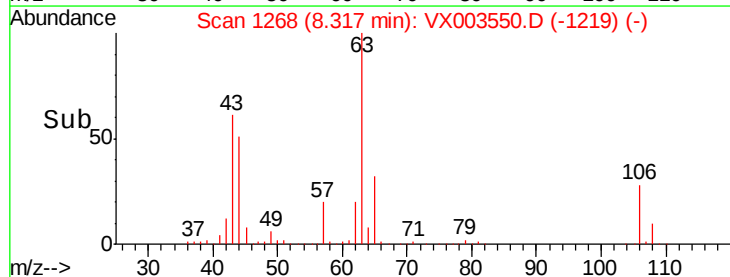
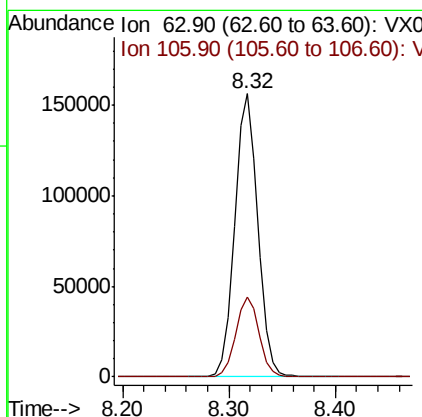
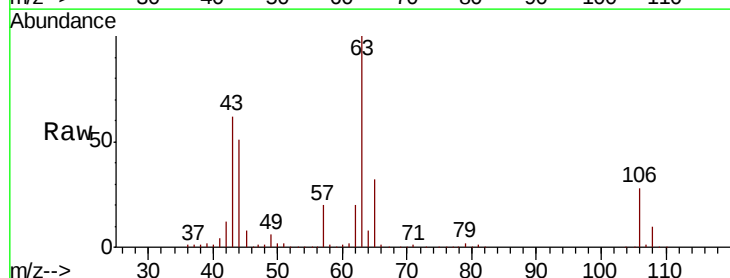
Manual Integrations
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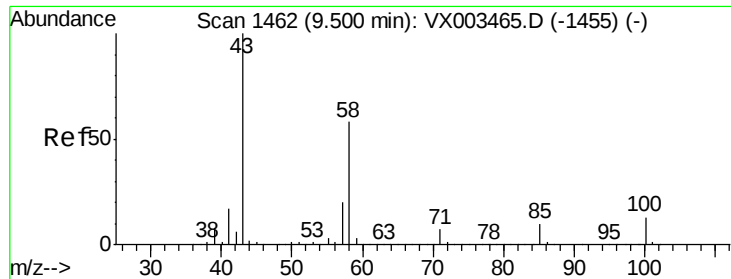
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 7/23/2018 3:19:18 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.796 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX003550.D
 Acq: 21 Jul 2018 13:09

Tgt Ion: 63 Resp: 237360
 Ion Ratio Lower Upper
 63 100
 106 28.4 21.8 32.8





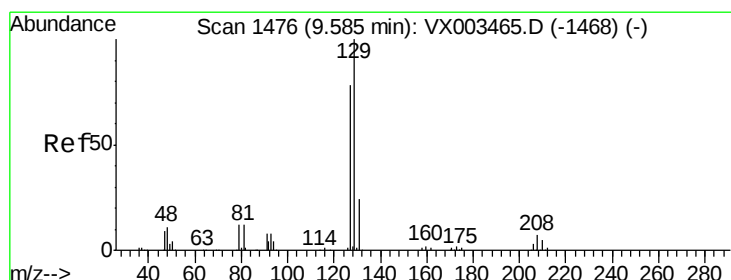
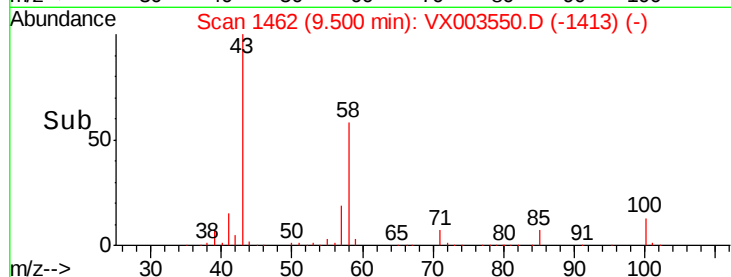
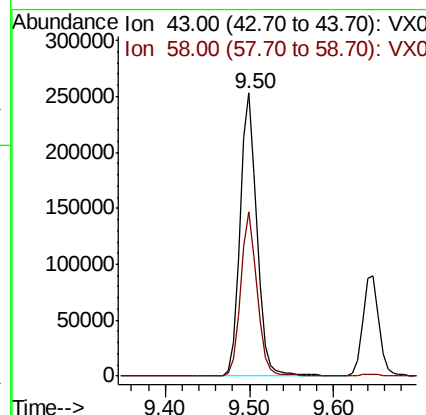
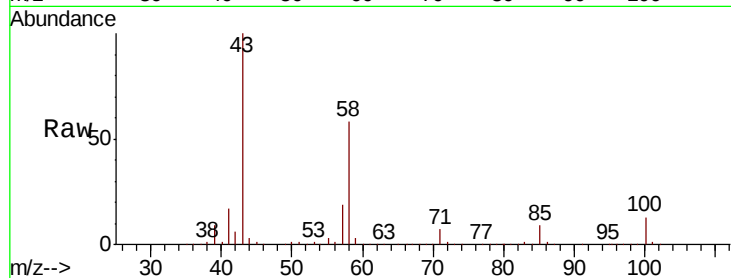
#59
2-Hexanone
Concen: 109.286 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0721MBS02

Tgt Ion: 43 Resp: 339972
Ion Ratio Lower Upper
43 100
58 56.6 24.6 73.6

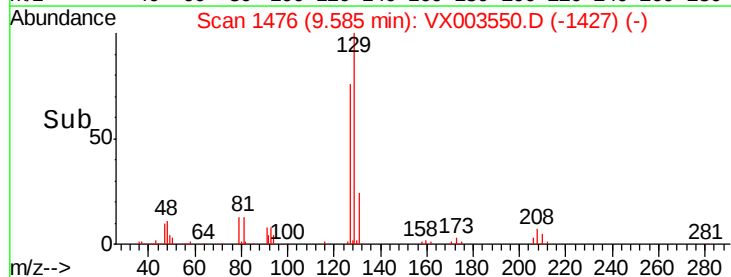
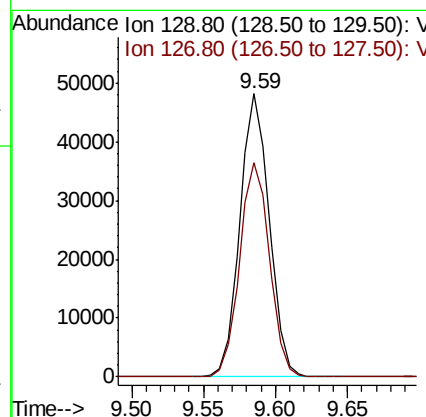
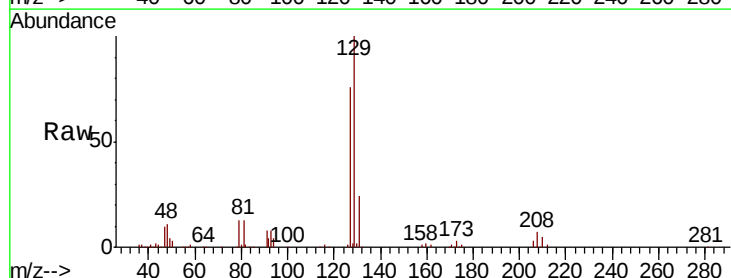
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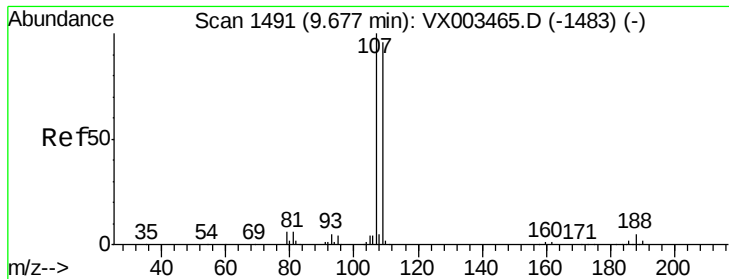
MMDadoda
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#60
Dibromochloromethane
Concen: 20.717 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Tgt Ion: 129 Resp: 68467
Ion Ratio Lower Upper
129 100
127 76.7 38.5 115.3





#61

1,2-Dibromoethane

Concen: 20.931 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VX0721MBS02

Tgt Ion: 107 Resp: 72446

Ion Ratio Lower Upper

107 100

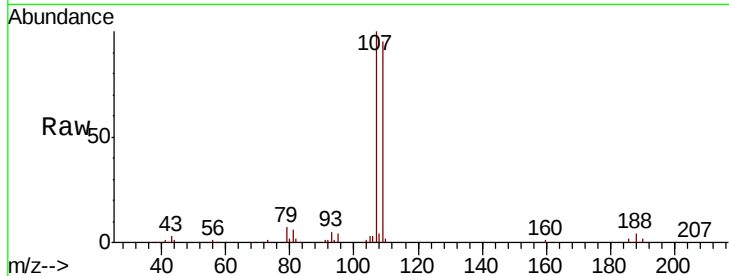
109 94.0 75.3 112.9

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

60000

50000

40000

30000

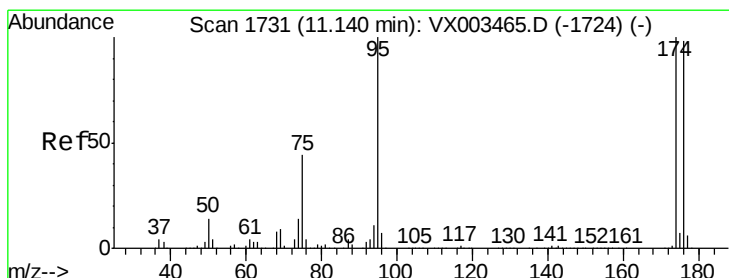
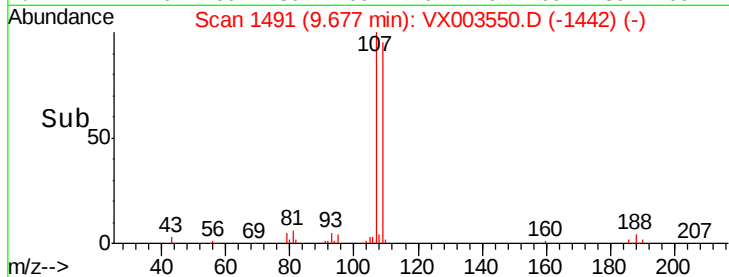
20000

10000

0

9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 50.767 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

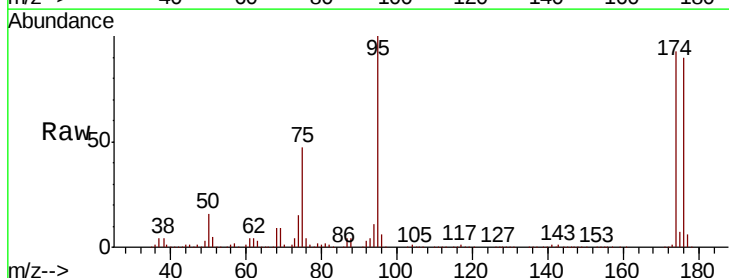
Tgt Ion: 95 Resp: 216897

Ion Ratio Lower Upper

95 100

174 94.7 0.0 187.4

176 92.0 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

150000

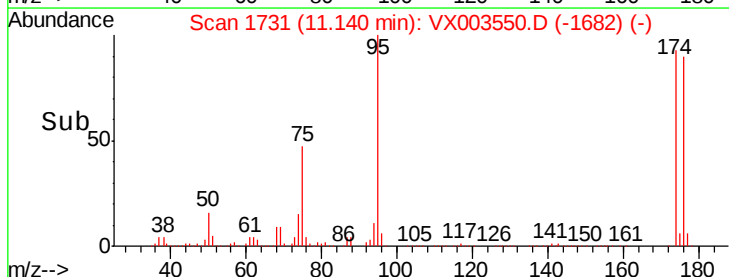
100000

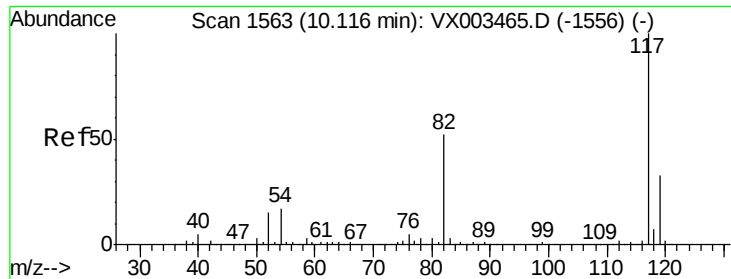
50000

0

11.10 11.20

Time-->





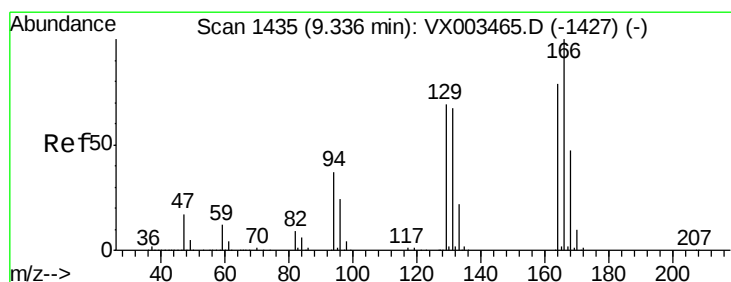
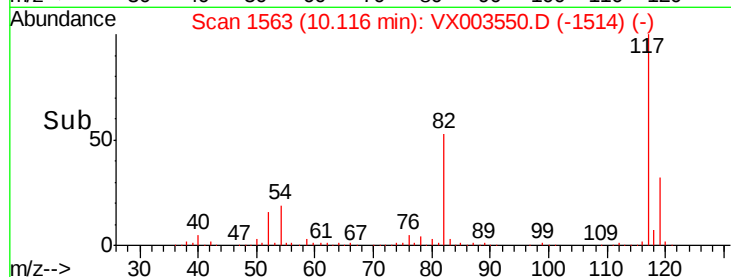
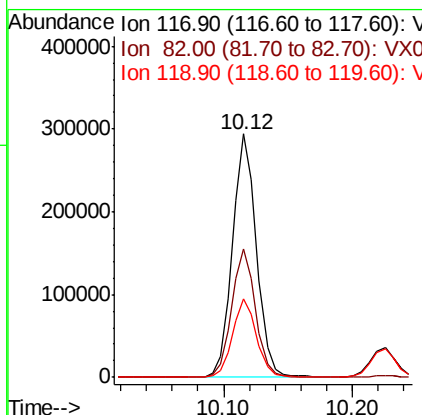
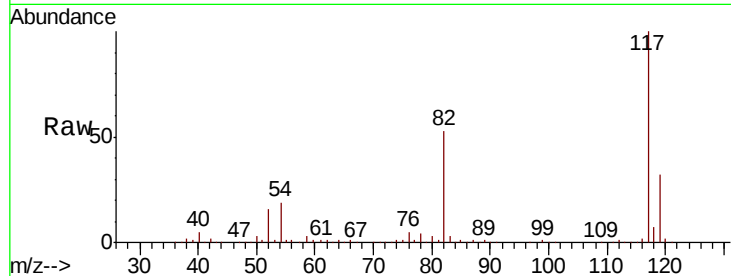
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0721MBS02

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.0	45.0	67.4
119	32.4	25.8	38.6

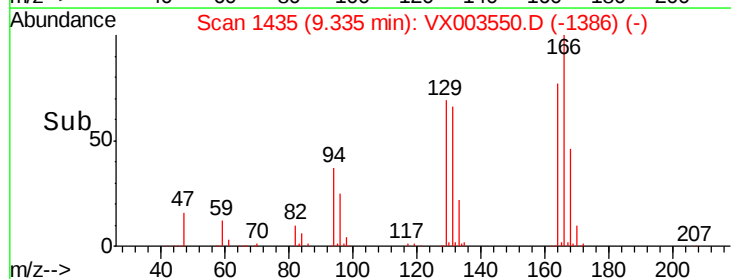
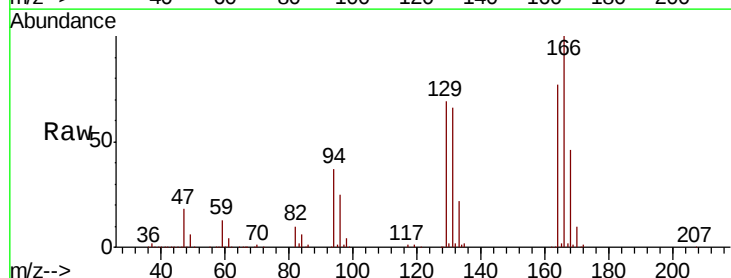
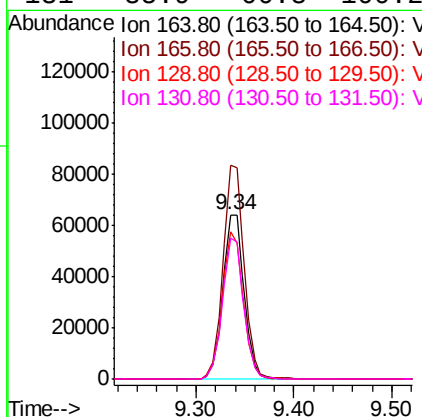
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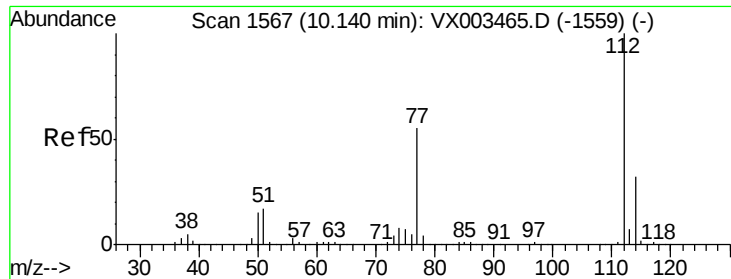
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#64
Tetrachloroethene
Concen: 20.709 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.0	102.9	154.3
129	89.4	68.6	102.8
131	85.9	66.8	100.2





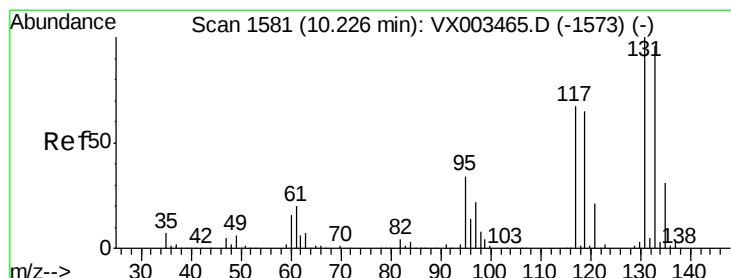
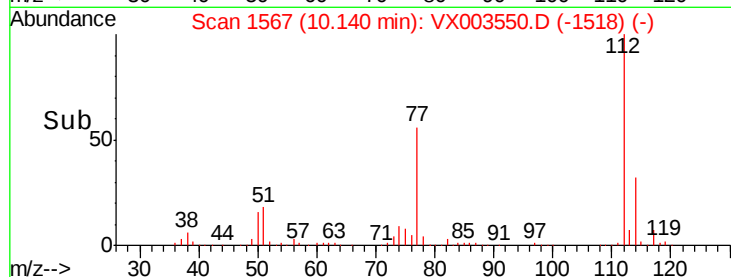
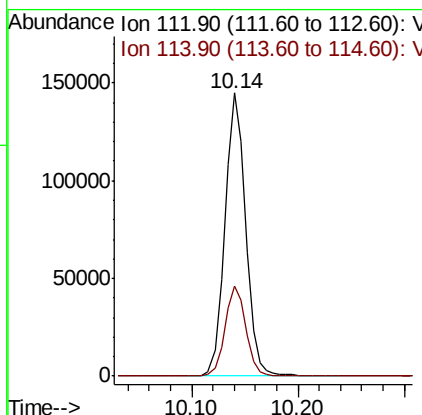
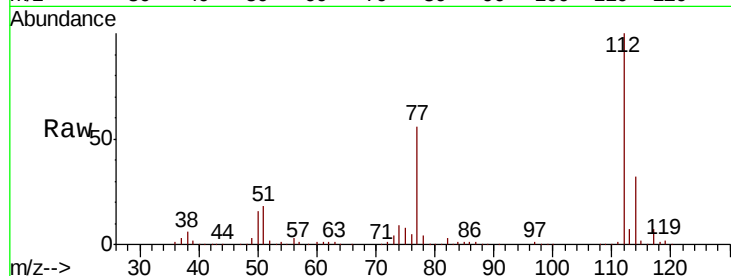
#65
Chlorobenzene
Concen: 20.036 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0721MBS02

Tgt Ion:112 Resp: 197723
Ion Ratio Lower Upper
112 100
114 31.8 25.3 37.9

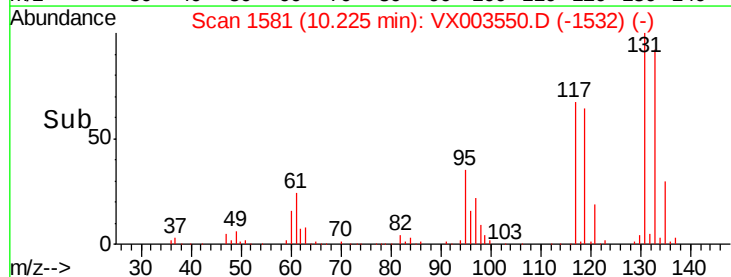
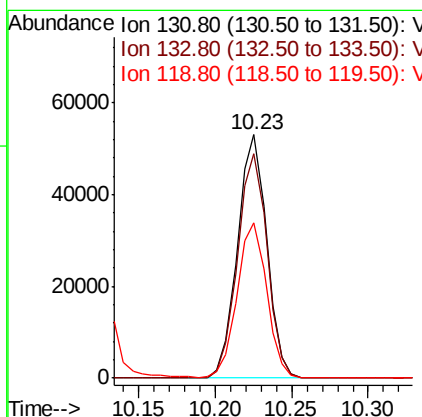
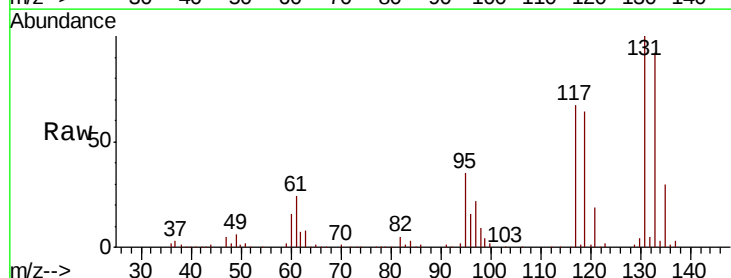
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.719 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Tgt Ion:131 Resp: 70349
Ion Ratio Lower Upper
131 100
133 93.3 47.9 143.6
119 64.5 31.8 95.3





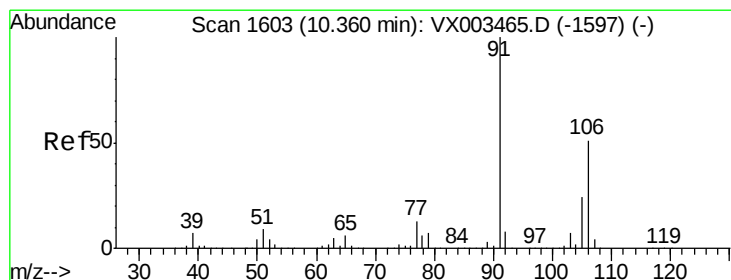
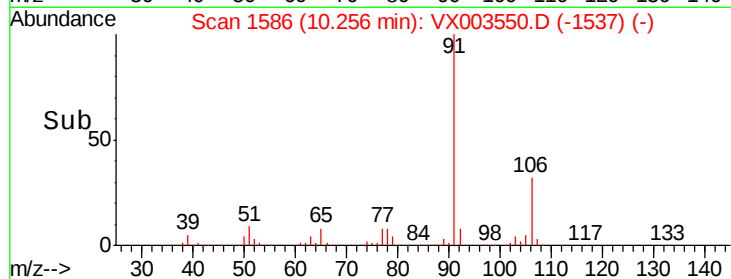
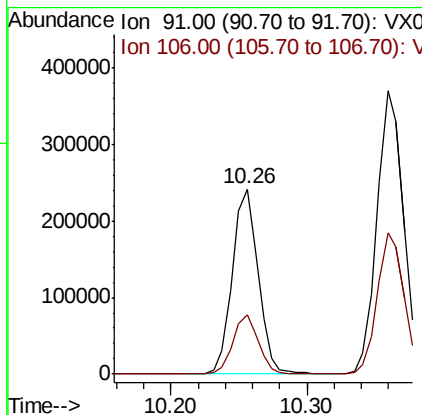
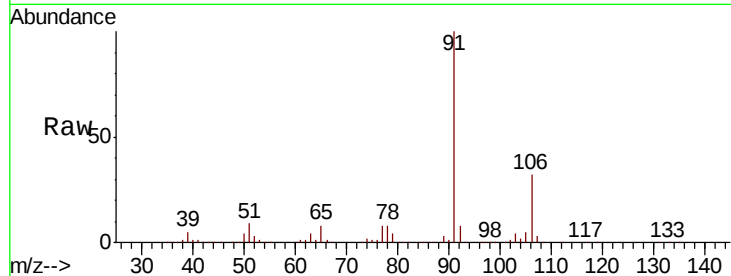
#67
Ethyl Benzene
Concen: 20.212 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0721MBS02

Tgt Ion: 91 Resp: 320712
Ion Ratio Lower Upper
91 100
106 32.3 25.5 38.3

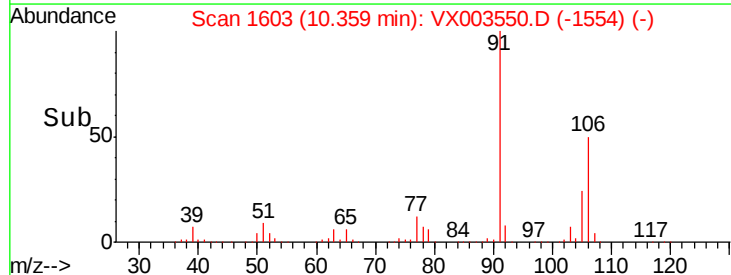
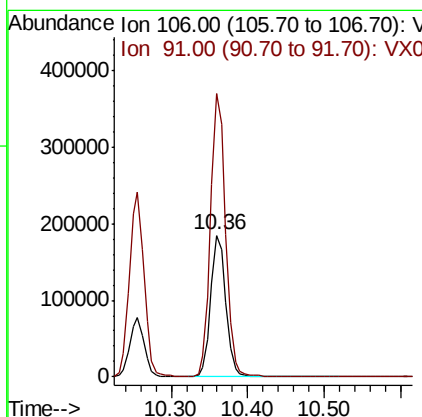
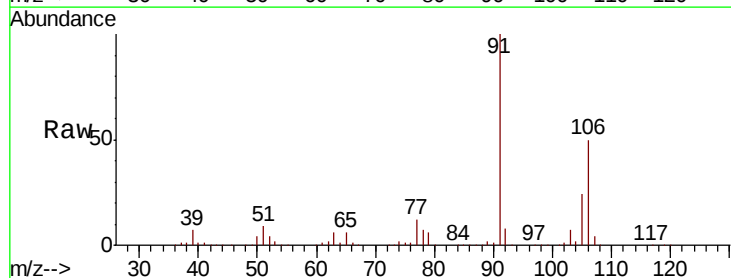
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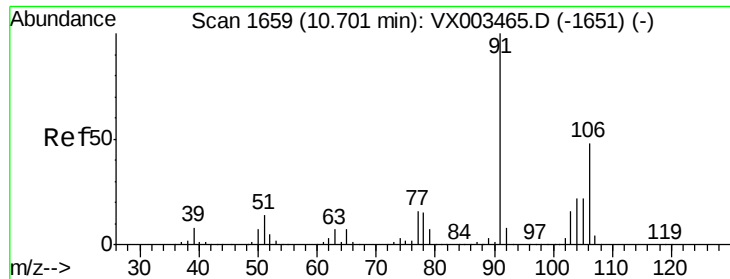
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#68
m/p-Xylenes
Concen: 40.912 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Tgt Ion: 106 Resp: 254494
Ion Ratio Lower Upper
106 100
91 199.8 163.4 245.2





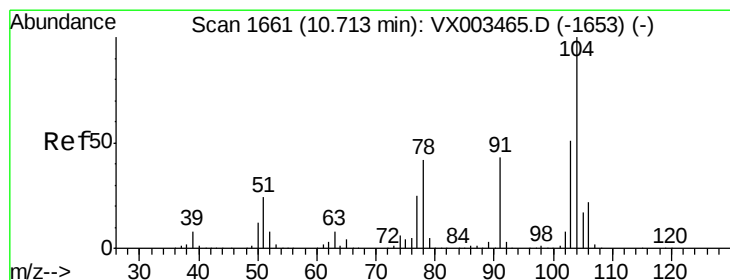
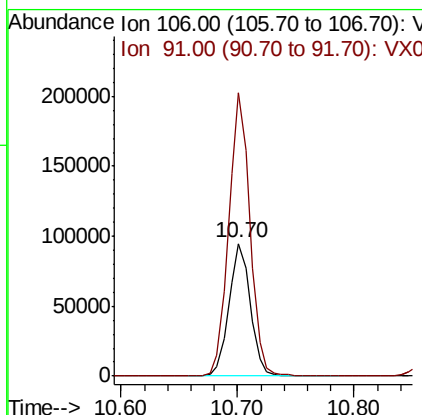
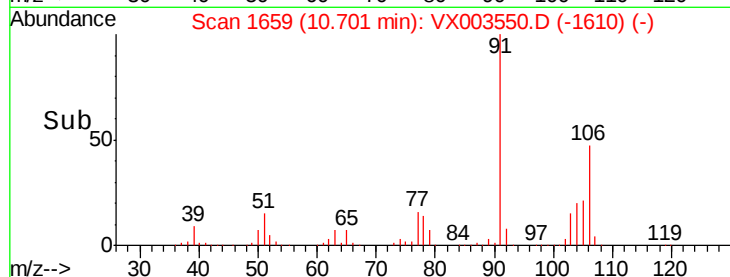
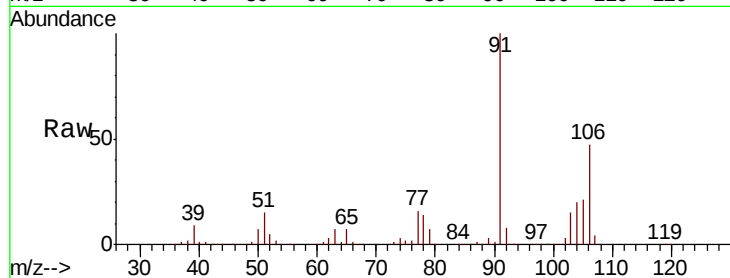
#69
o-Xylene
Concen: 20.217 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0721MBS02

Tgt Ion:106 Resp: 121613
Ion Ratio Lower Upper
106 100
91 211.3 108.2 324.6

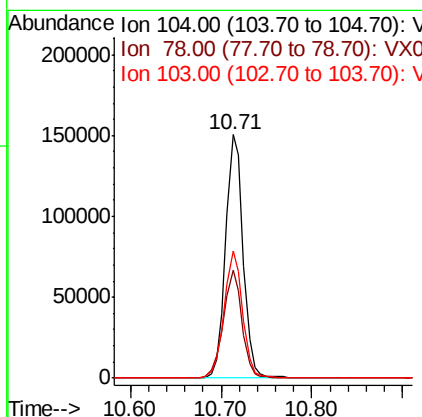
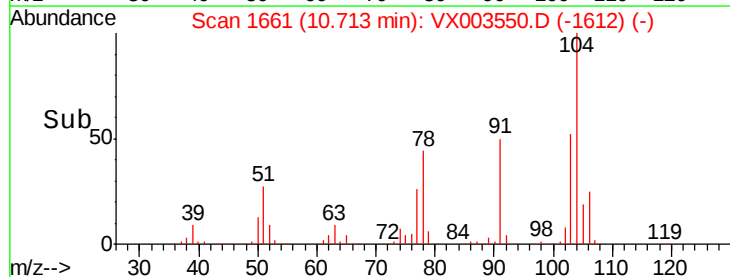
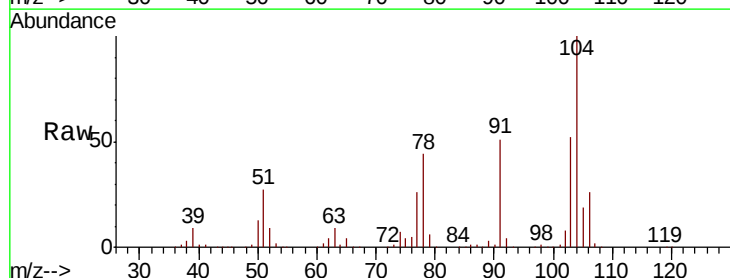
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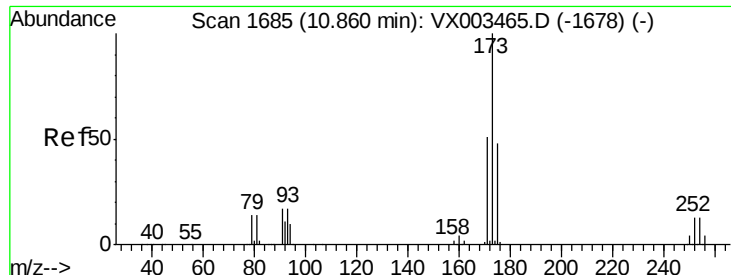
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#70
Styrene
Concen: 20.462 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Tgt Ion:104 Resp: 202457
Ion Ratio Lower Upper
104 100
78 47.3 41.0 61.6
103 55.3 44.2 66.4





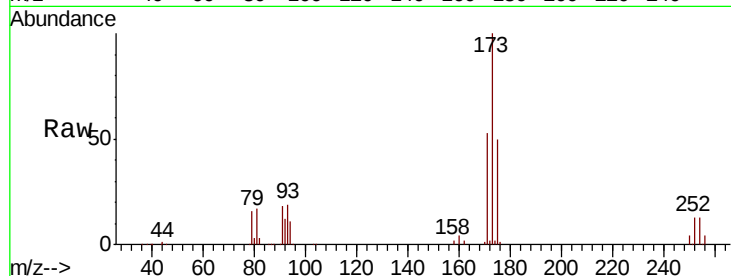
#71
Bromoform
Concen: 19.578 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0721MBS02

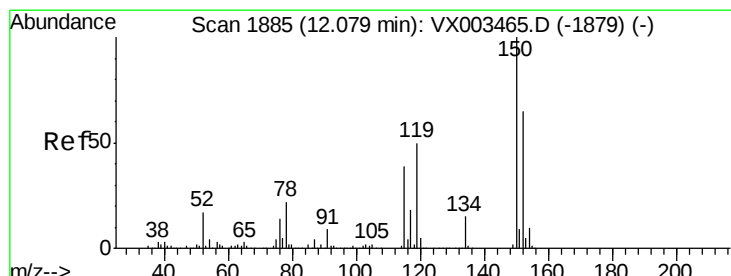
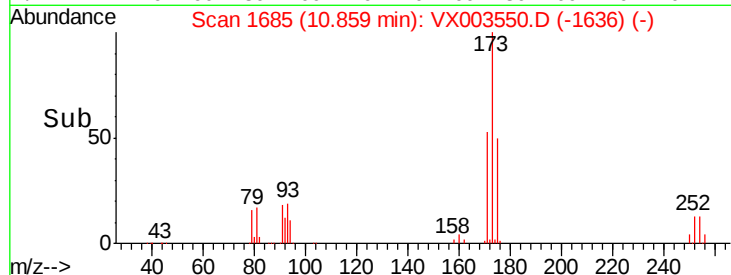
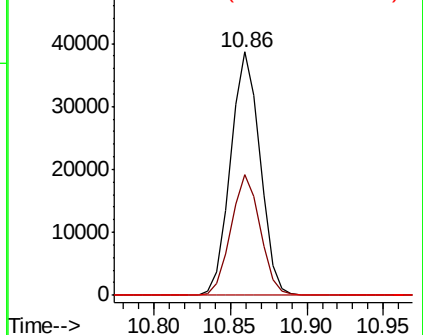
Tgt Ion:173 Resp: 51649
Ion Ratio Lower Upper
173 100
175 48.8 24.7 74.1
254 0.1 0.2 0.2#

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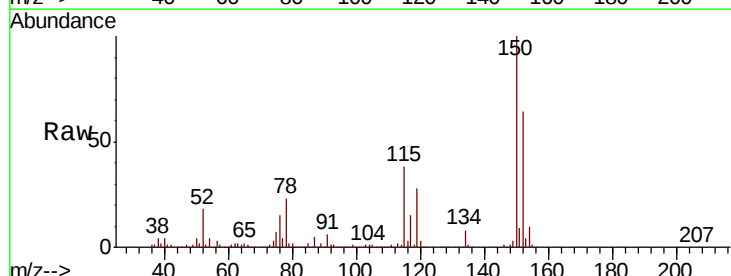


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

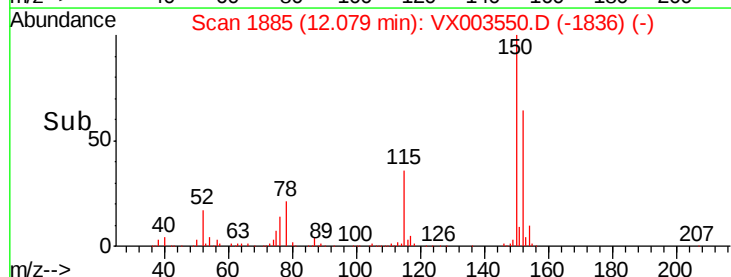
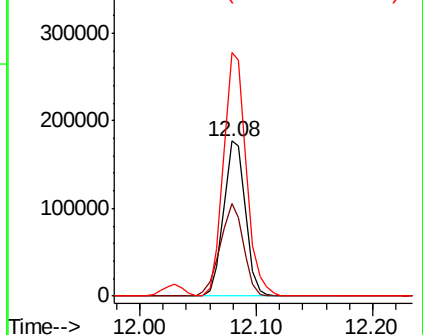


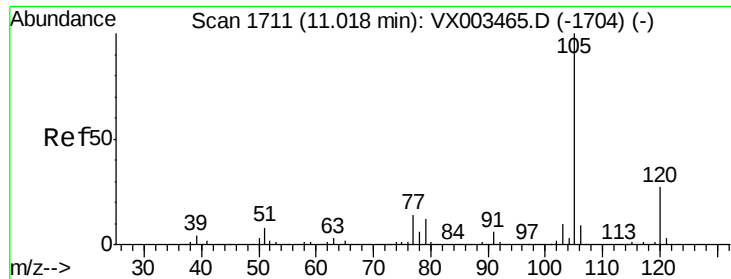
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Tgt Ion:152 Resp: 228118
Ion Ratio Lower Upper
152 100
115 64.0 40.1 120.2
150 164.3 0.0 347.2



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





#73

Isopropylbenzene

Concen: 20.695 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.01 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VX0721MBS02

Tgt Ion: 105 Resp: 326494

Ion Ratio Lower Upper

105 100

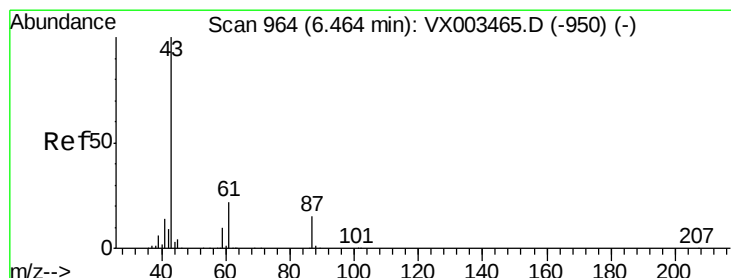
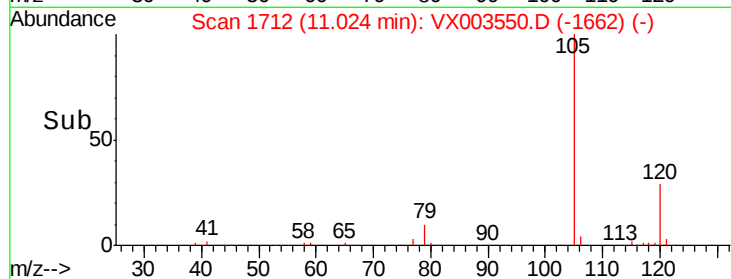
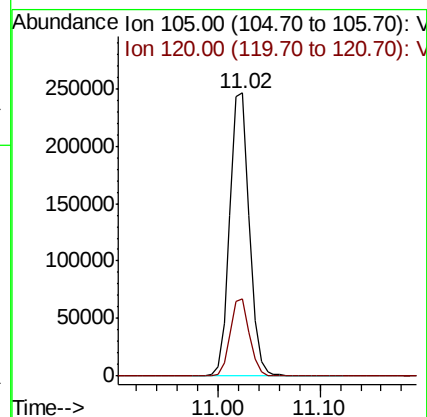
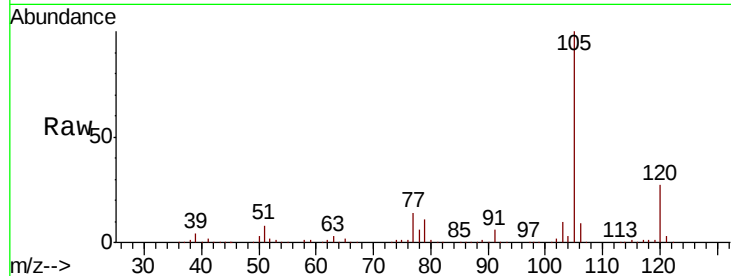
120 26.8 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.353 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Tgt Ion: 43 Resp: 136346

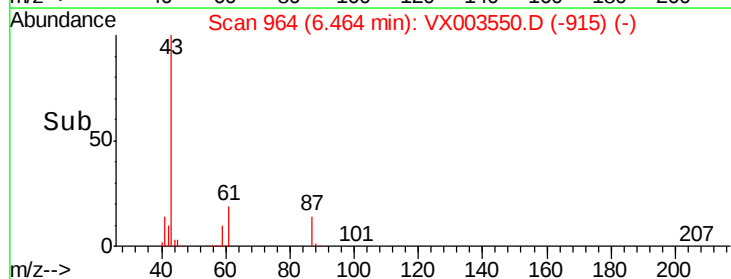
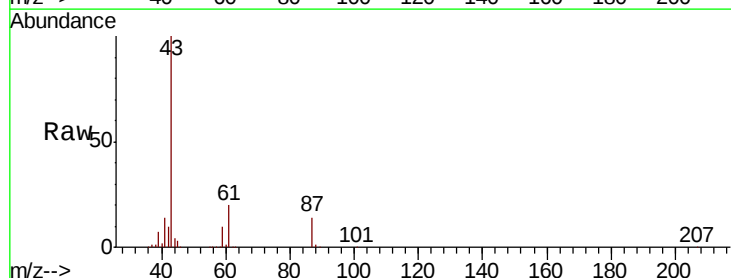
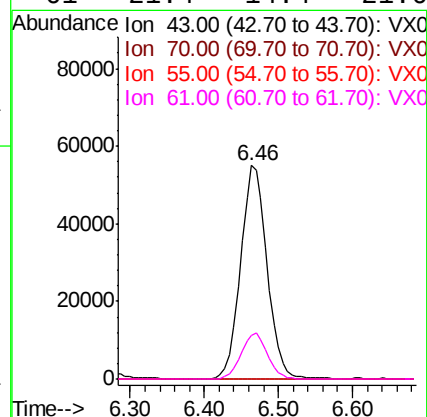
Ion Ratio Lower Upper

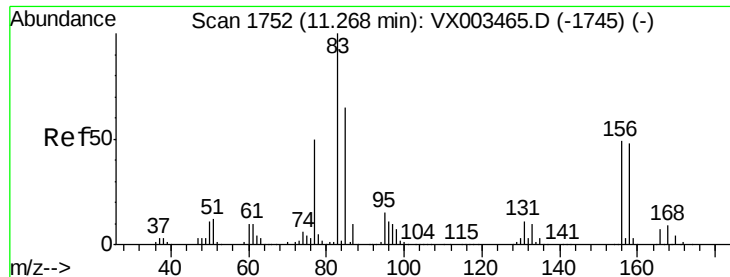
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 21.4 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.599 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Instrument :

MSVOA_X

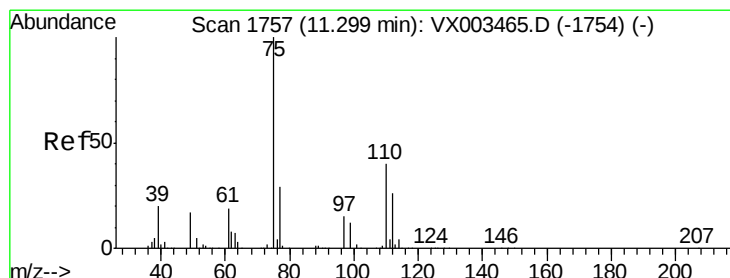
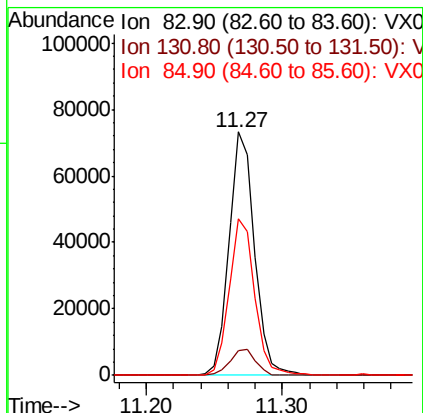
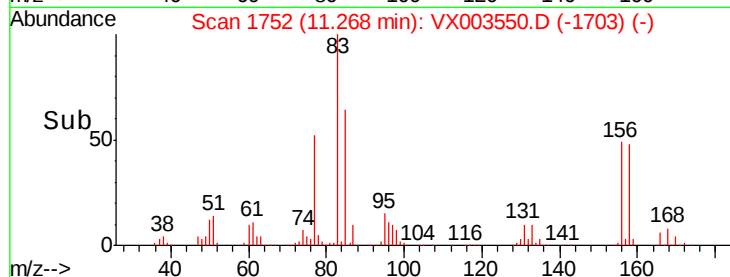
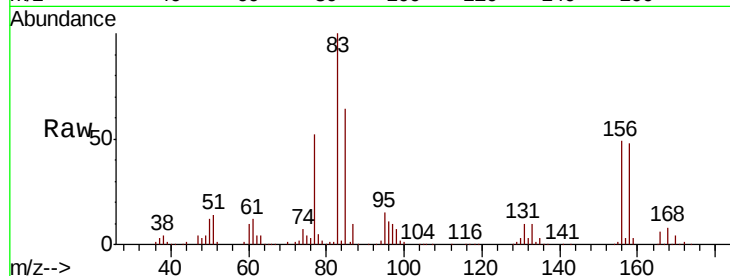
ClientSampleId :

VX0721MBS02

Tgt Ion:	83	Resp:	95233
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.6	16.8
85	64.5	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.638 ug/l m

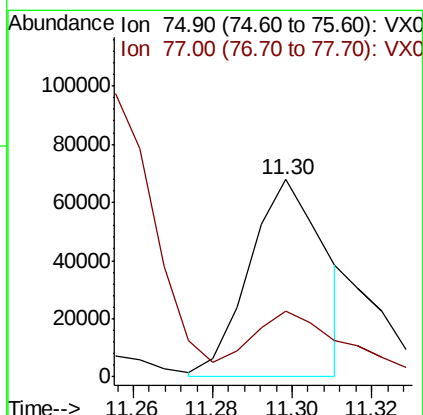
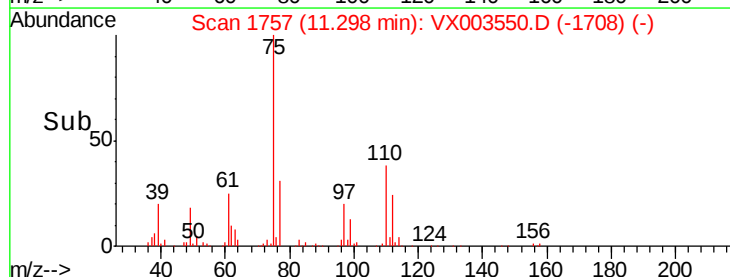
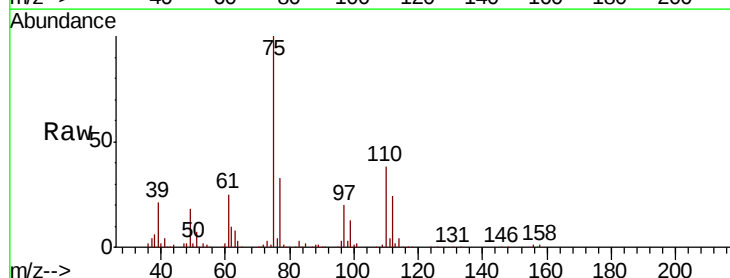
RT: 11.30 min Scan# 1757

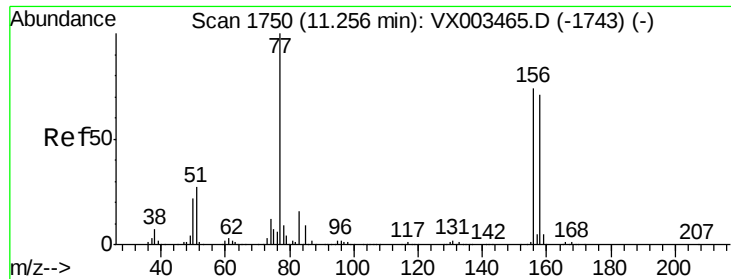
Delta R.T. -0.00 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Tgt Ion:	75	Resp:	88674
Ion Ratio	Lower	Upper	
75	100		
77	41.8	22.8	68.3





#77

Bromobenzene

Concen: 20.023 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VX0721MBS02

Tgt Ion:156 Resp: 90854

Ion Ratio Lower Upper

156 100

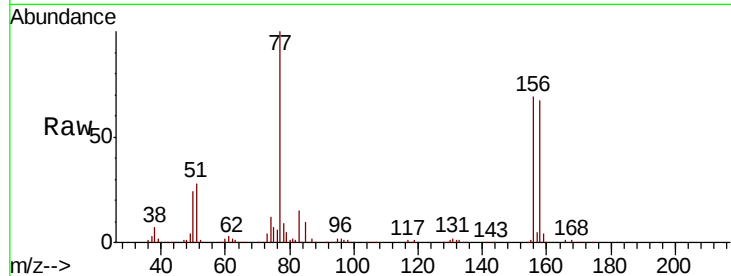
77 137.2 71.4 214.2

158 97.0 48.9 146.6

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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V

120000

100000

80000

60000

40000

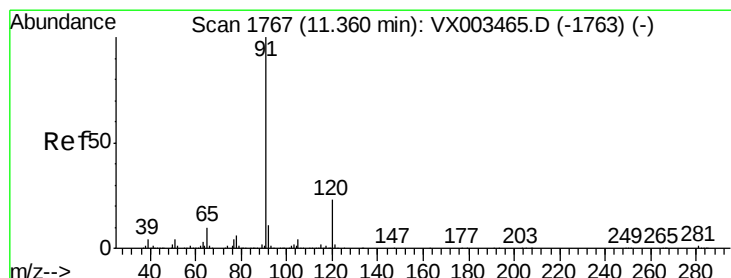
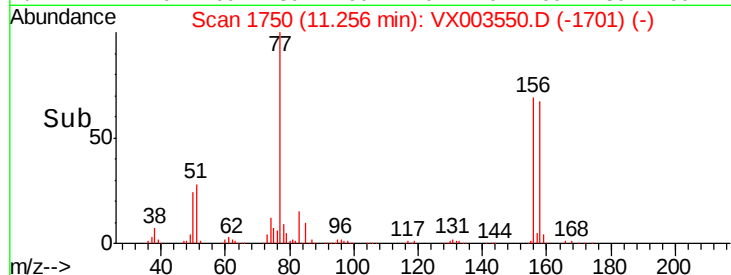
20000

0

11.20

11.30

Time-->



#78

n-propylbenzene

Concen: 20.933 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX003550.D

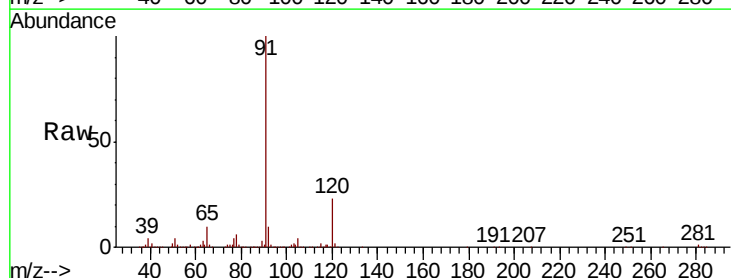
Acq: 21 Jul 2018 13:09

Tgt Ion: 91 Resp: 367104

Ion Ratio Lower Upper

91 100

120 24.2 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

300000

200000

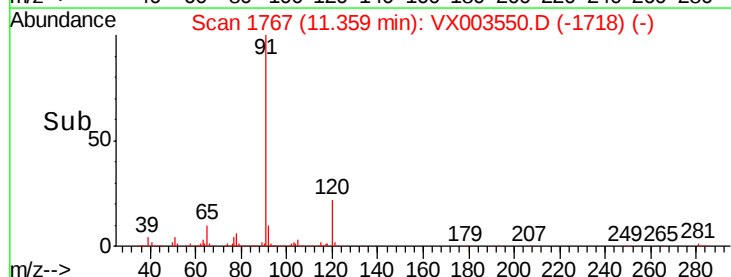
100000

0

11.35

11.40

Time-->





#79

2-Chlorotoluene

Concen: 20.773 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VX0721MBS02

Tgt Ion: 91 Resp: 221153

Ion Ratio Lower Upper

91 100

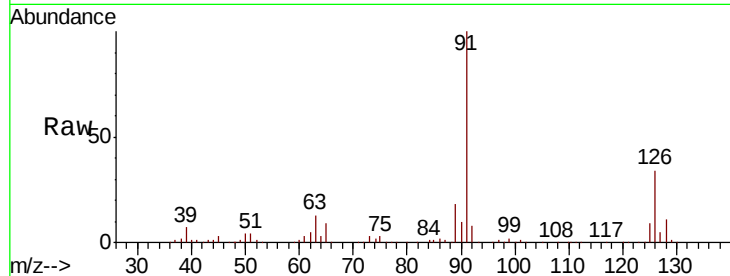
126 36.2 17.7 53.1

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

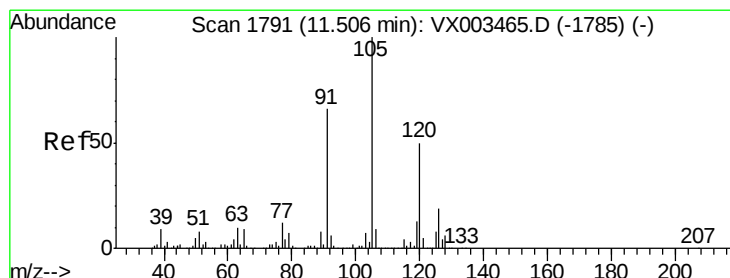
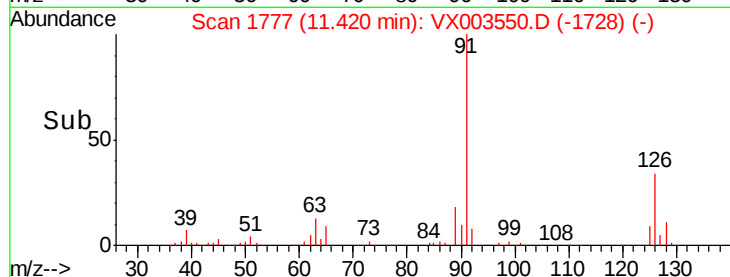
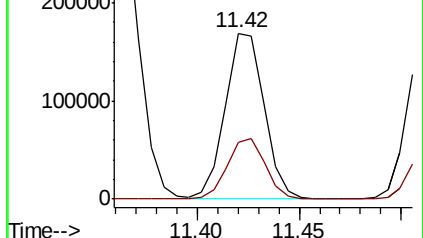
300000

200000

100000

0

11.40 11.45



#80

1,3,5-Trimethylbenzene

Concen: 20.986 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX003550.D

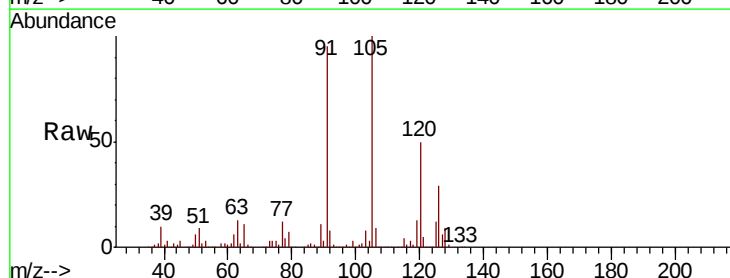
Acq: 21 Jul 2018 13:09

Tgt Ion: 105 Resp: 272095

Ion Ratio Lower Upper

105 100

120 49.2 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

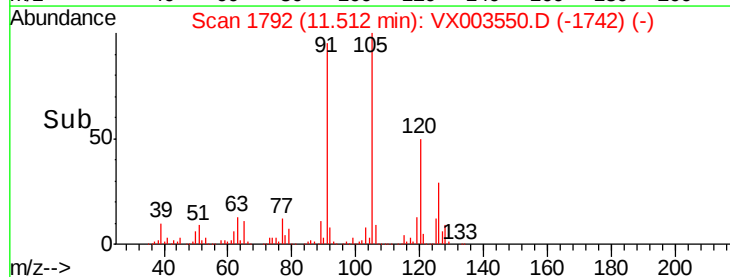
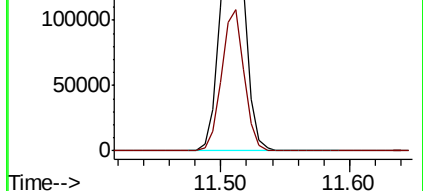
150000

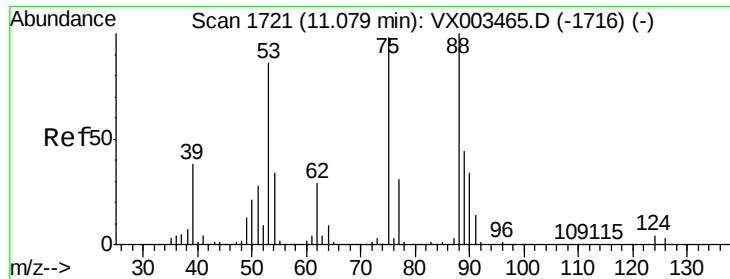
100000

50000

0

11.50 11.60





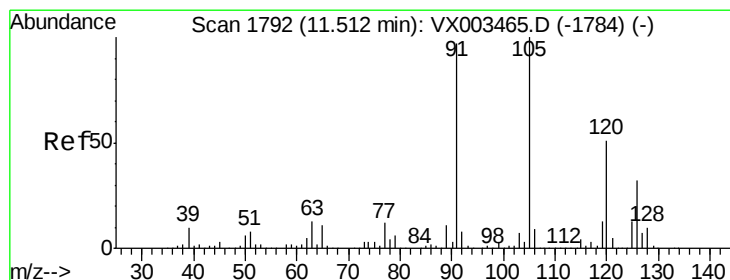
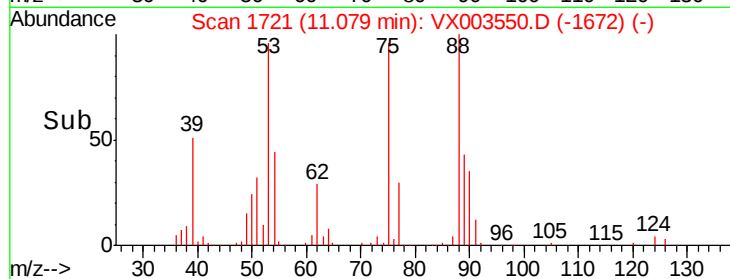
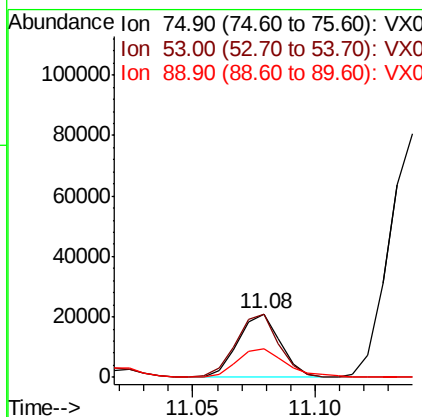
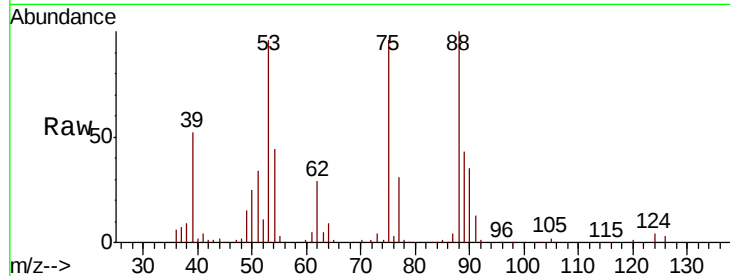
#81
trans-1,4-Dichloro-2-butene
Concen: 18.936 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0721MBS02

Tgt Ion: 75 Resp: 25095
Ion Ratio Lower Upper
75 100
53 101.9 86.8 130.2
89 52.1 38.2 57.2

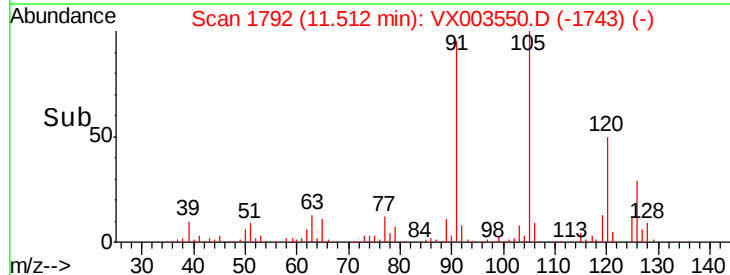
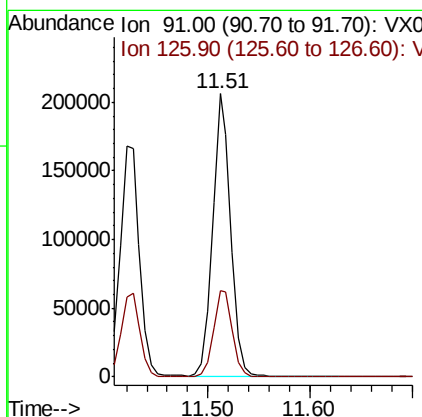
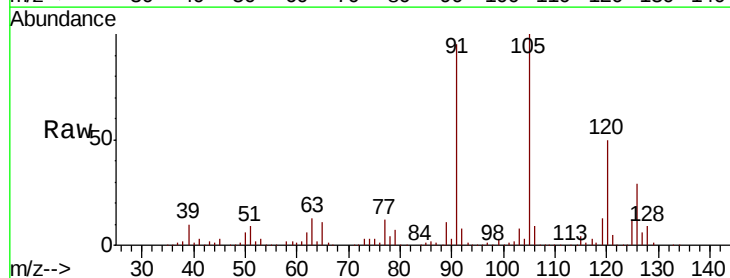
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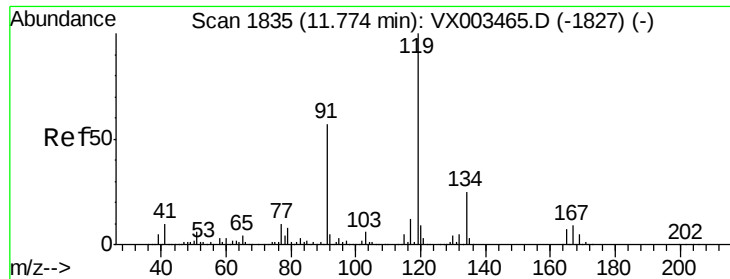
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.563 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Tgt Ion: 91 Resp: 256519
Ion Ratio Lower Upper
91 100
126 32.1 15.4 46.4





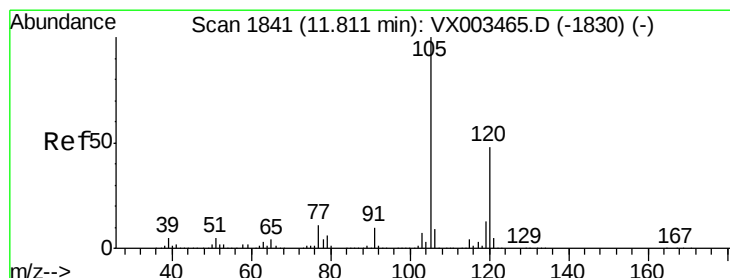
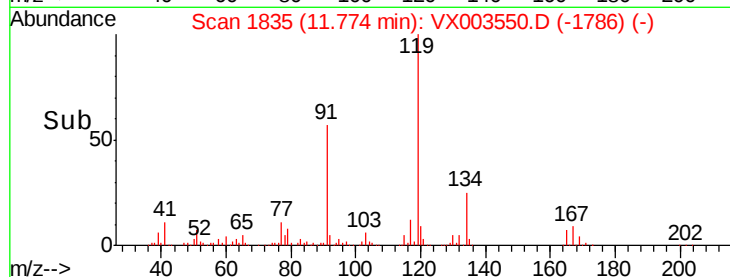
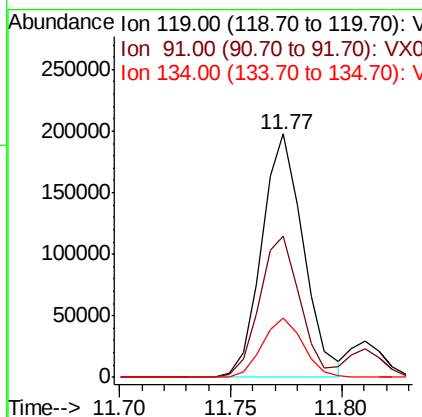
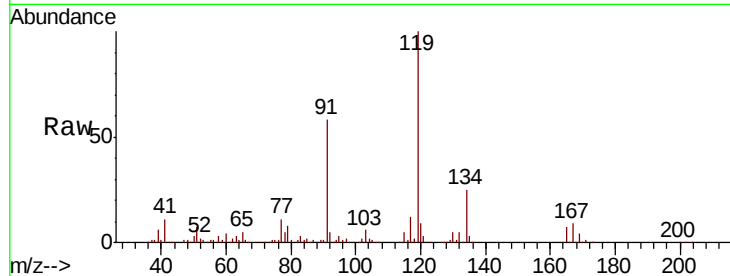
#83
 tert-Butylbenzene
 Concen: 20.209 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX003550.D
 Acq: 21 Jul 2018 13:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721MBS02

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	256600		
91	57.5	30.3	90.9	
134	23.8	11.7	35.1	

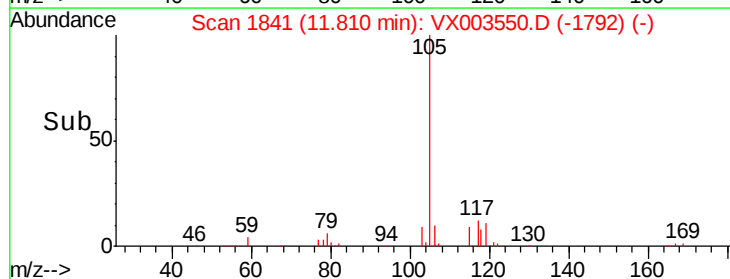
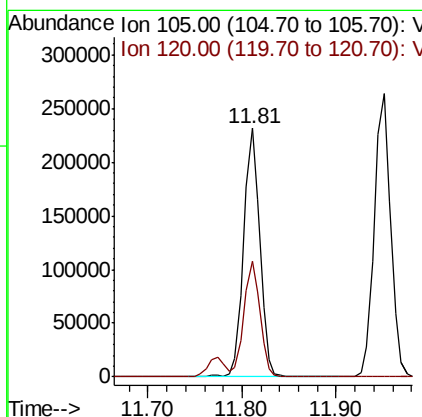
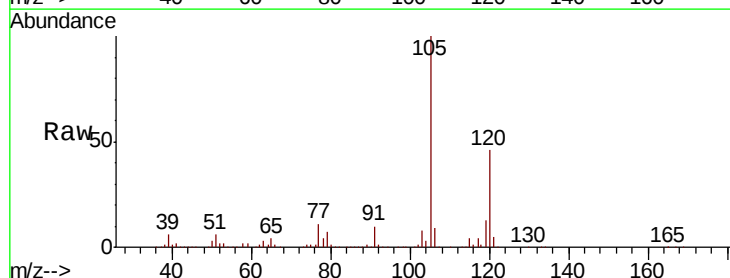
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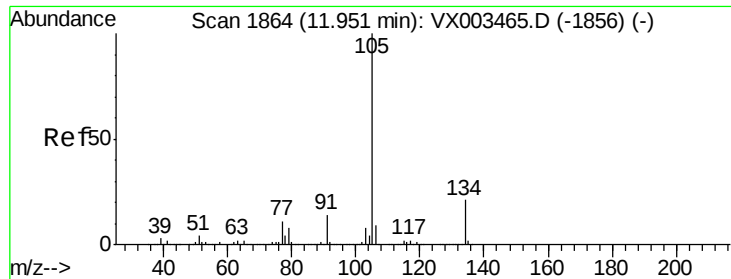
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.069 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003550.D
 Acq: 21 Jul 2018 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	277962		
120	46.3	22.3	66.8	





#85

sec-Butylbenzene

Concen: 20.669 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

Instrument :

MSVOA_X

ClientSampleId :

VX0721MBS02

Tgt Ion:105 Resp: 318773

Ion Ratio Lower Upper

105 100

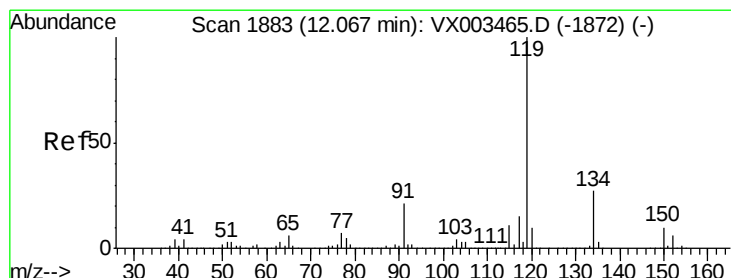
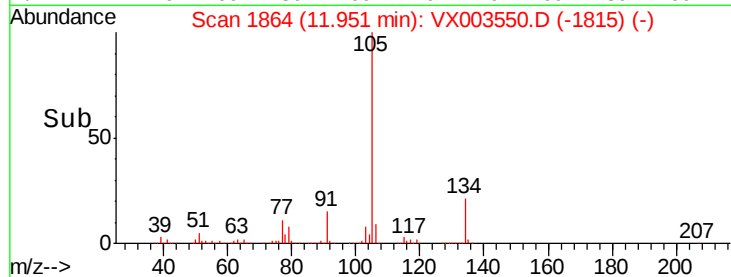
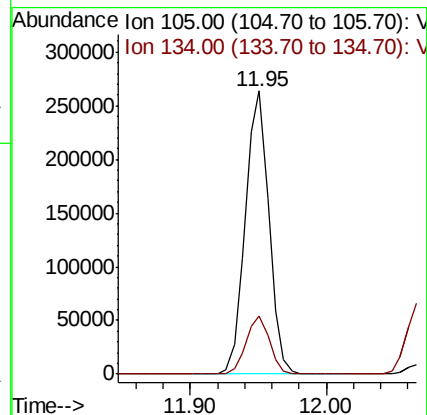
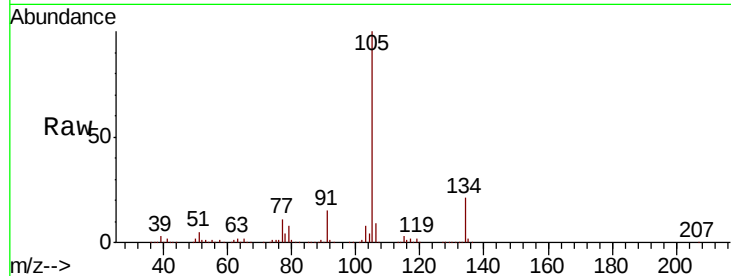
134 20.6 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 20.735 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003550.D

Acq: 21 Jul 2018 13:09

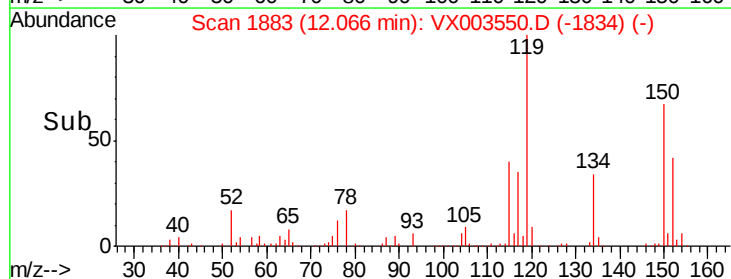
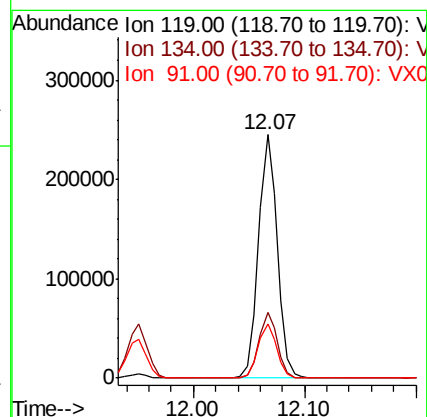
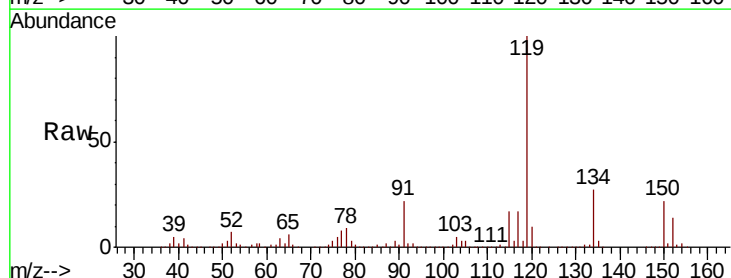
Tgt Ion:119 Resp: 286987

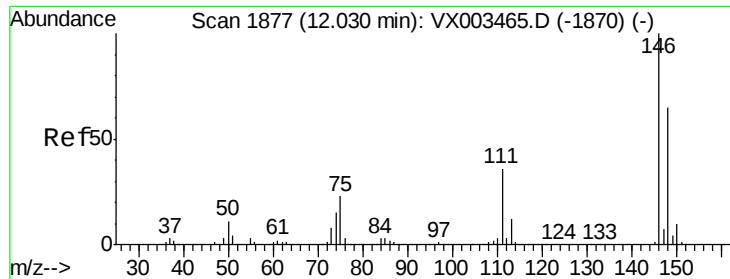
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

91 22.3 11.9 35.7





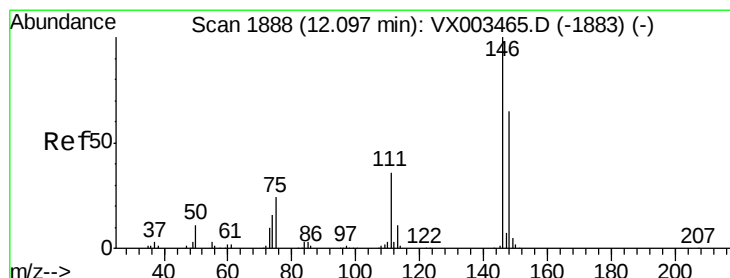
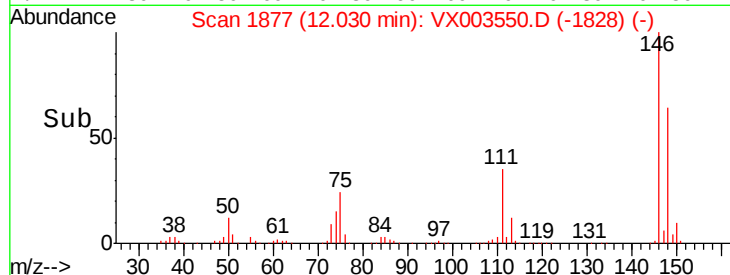
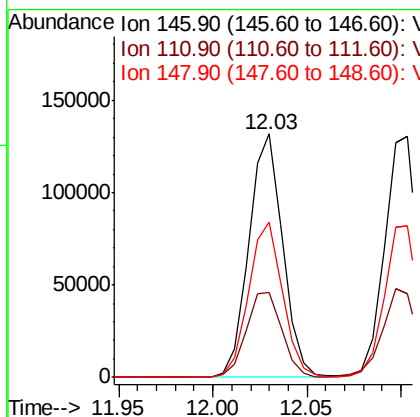
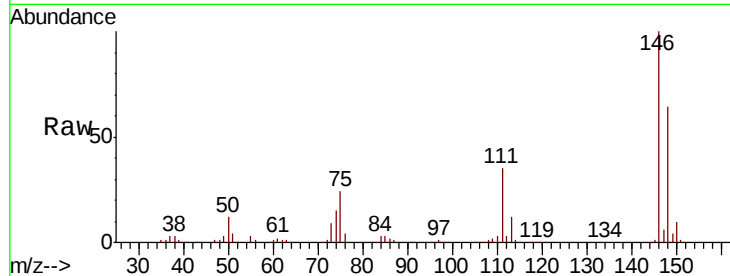
#87
 1,3-Dichlorobenzene
 Concen: 19.698 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX003550.D
 Acq: 21 Jul 2018 13:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721MBS02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	164297		
111	36.9	18.9	56.7	
148	64.2	32.1	96.3	

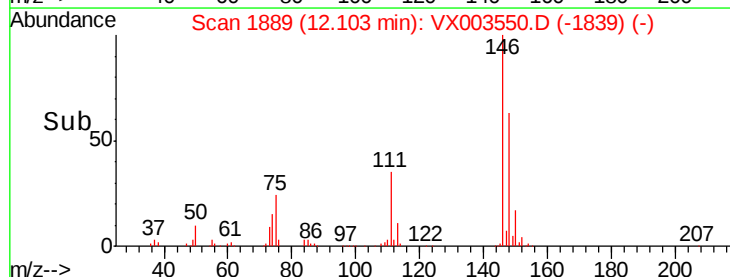
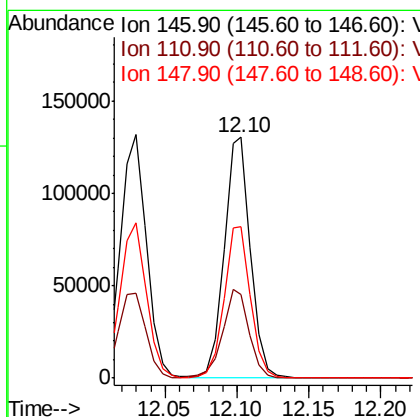
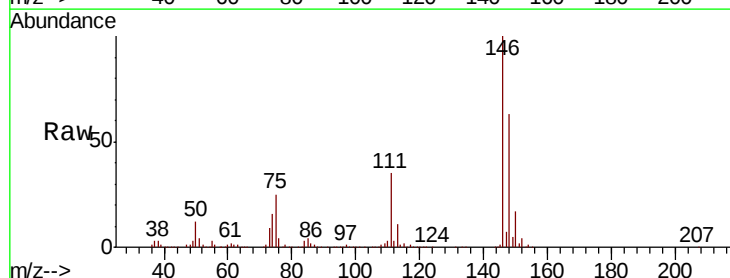
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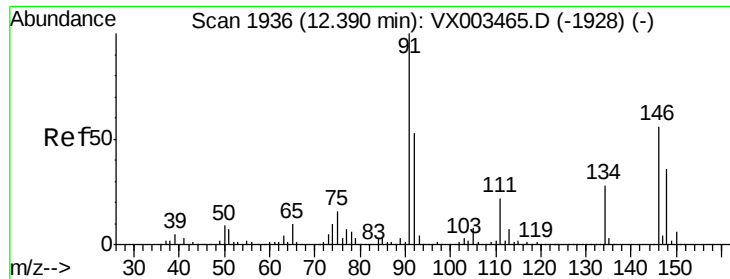
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#88
 1,4-Dichlorobenzene
 Concen: 19.339 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.01 min
 Lab File: VX003550.D
 Acq: 21 Jul 2018 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	166164		
111	37.4	18.7	56.1	
148	63.6	32.4	97.0	





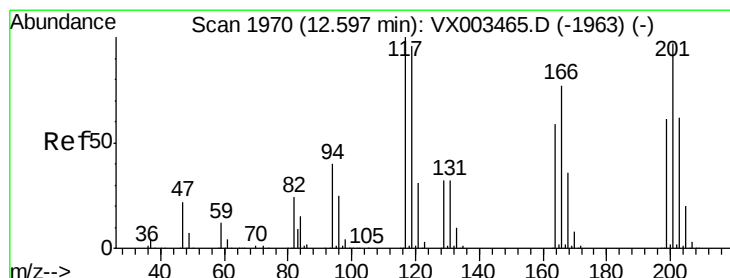
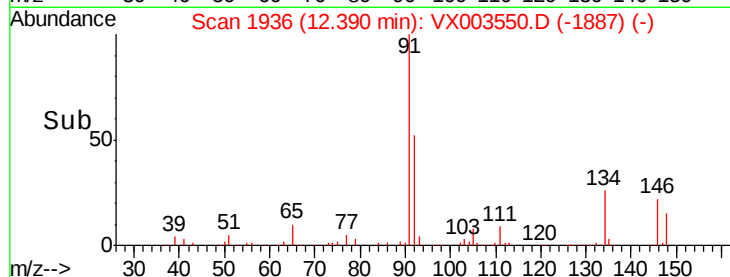
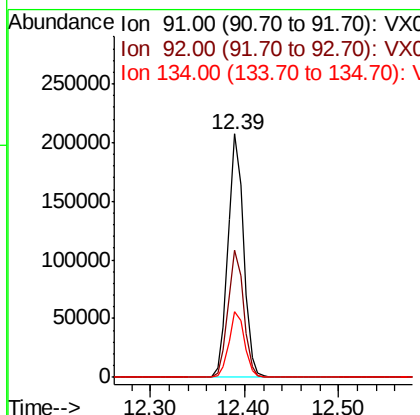
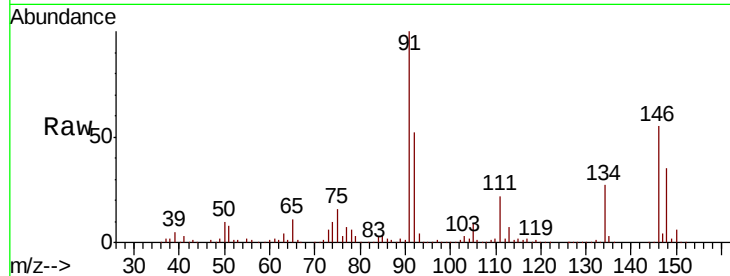
#89
n-Butylbenzene
Concen: 20.280 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0721MBS02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.0	78.0
134	27.0	13.5	40.5

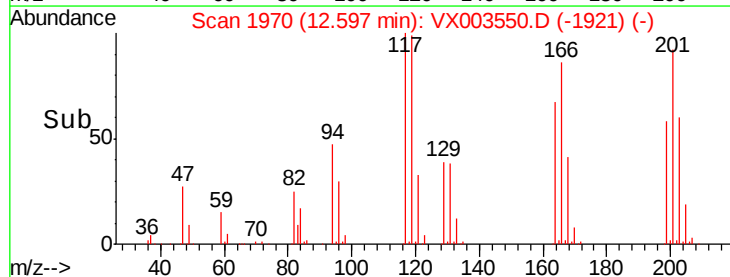
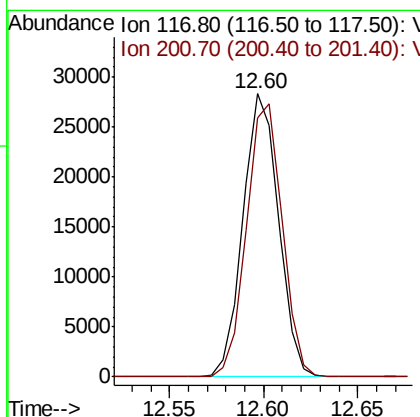
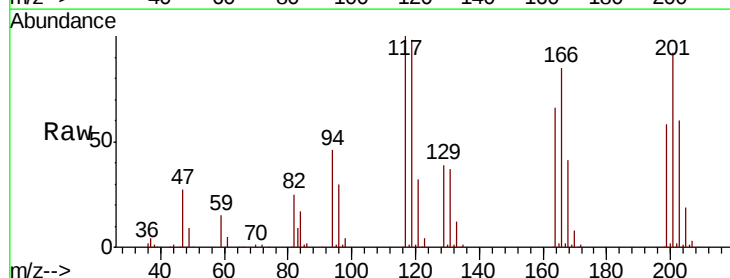
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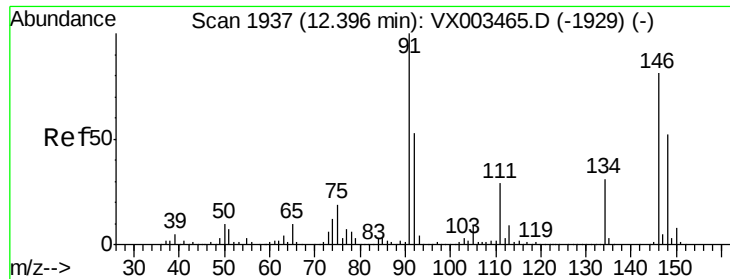
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#90
Hexachloroethane
Concen: 18.885 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.7	49.0	147.0





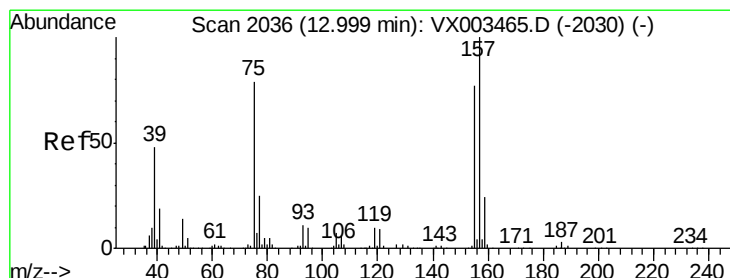
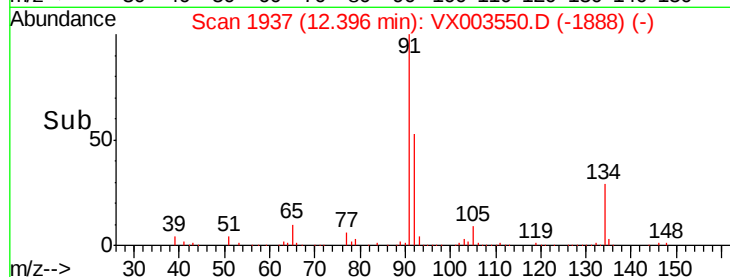
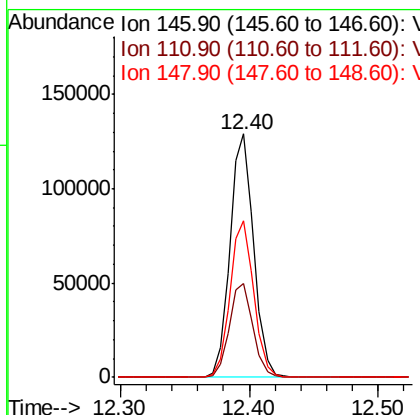
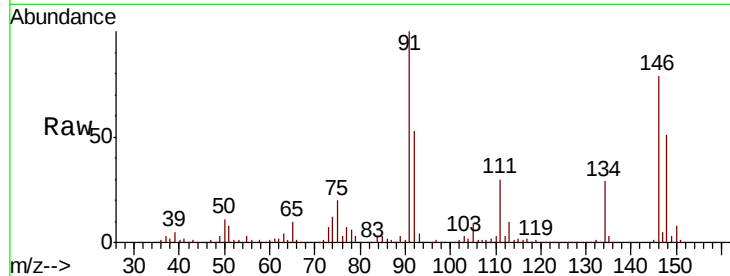
#91
1,2-Dichlorobenzene
Concen: 20.089 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0721MBS02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.4	58.1
148	64.4	31.7	95.1

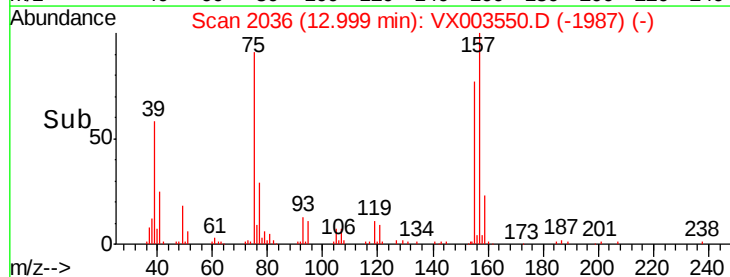
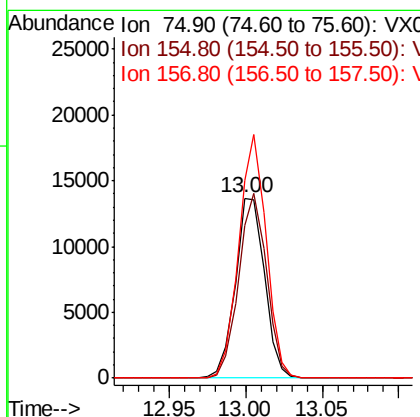
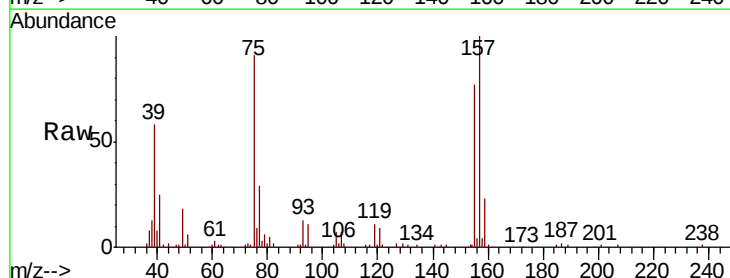
Manual Integrations
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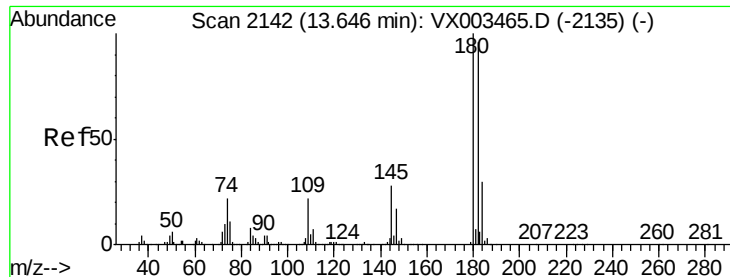
MMDadoda
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#92
1,2-Dibromo-3-Chloropropane
Concen: 20.155 ug/l
RT: 13.00 min Scan# 2036
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.6	45.8	137.4
157	125.8	60.1	180.3





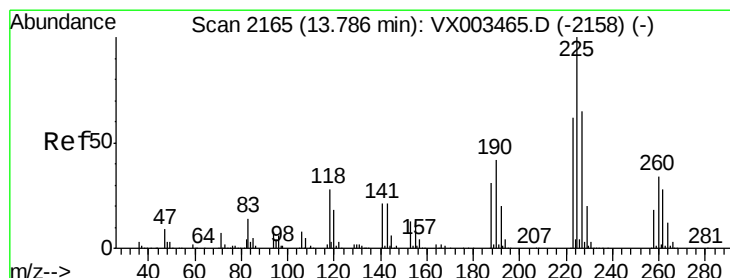
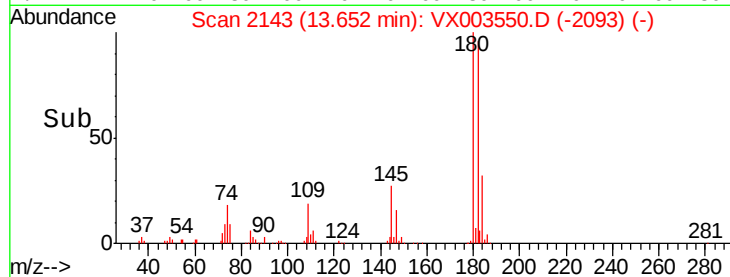
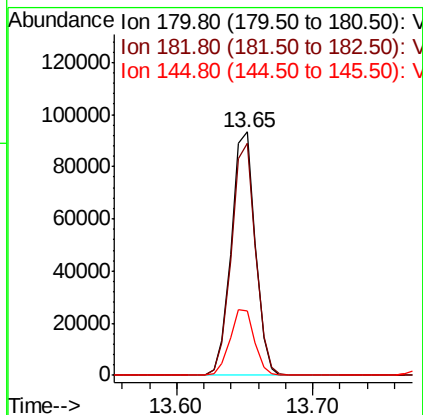
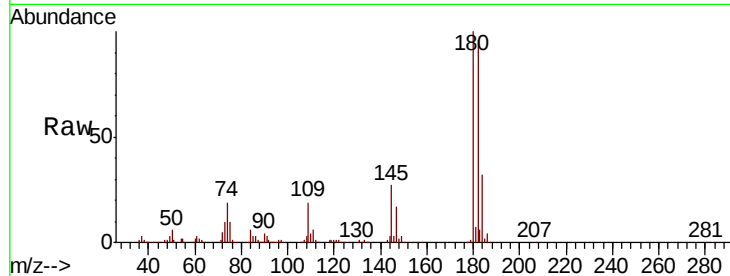
#93
 1,2,4-Trichlorobenzene
 Concen: 19.036 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.01 min
 Lab File: VX003550.D
 Acq: 21 Jul 2018 13:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721MBS02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	114689		
182	95.3	47.7	143.1	
145	27.6	14.1	42.4	

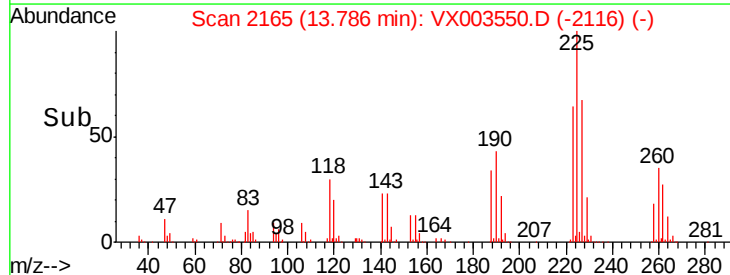
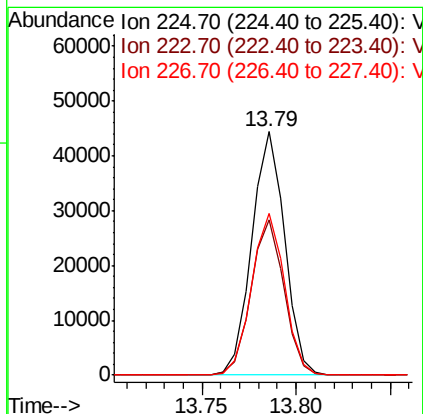
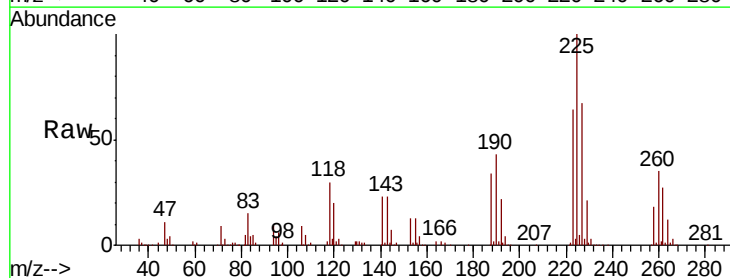
Manual Integrations
 APPROVED

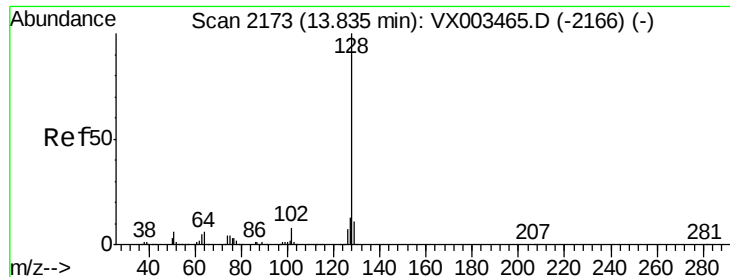
MMDadoda
 7/23/2018 3:19:18 PM



#94
 Hexachlorobutadiene
 Concen: 18.536 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX003550.D
 Acq: 21 Jul 2018 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	53710		
223	63.4	31.6	95.0	
227	66.3	32.4	97.2	





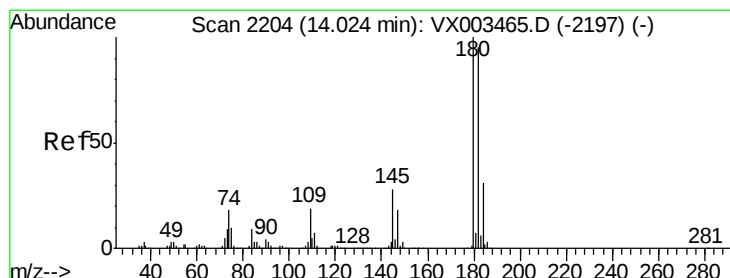
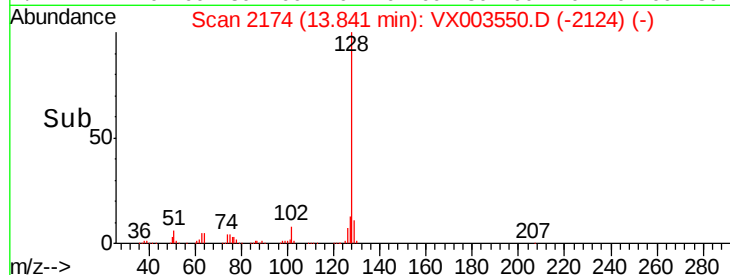
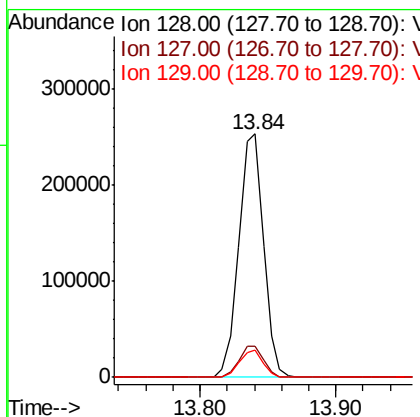
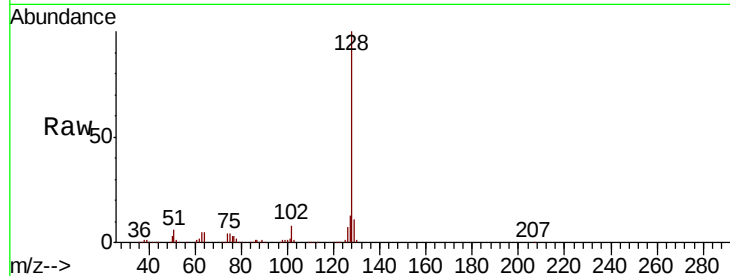
#95
Naphthalene
Concen: 20.338 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.01 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Instrument :
MSVOA_X
ClientSampleId :
VX0721MBS02

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/23/2018 3:19:18 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.664 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX003550.D
Acq: 21 Jul 2018 13:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	48.0	144.0
145	29.5	14.8	44.3

