

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032619\
 Data File : VX008452.D
 Acq On : 26 Mar 2019 13:20
 Operator : JC/SP
 Sample : VX0326WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0326WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 10:40:50 AM

Quant Time: Mar 27 02:12:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	191486	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	330138	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	293563	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	133277	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	141769	48.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.68%	
35) Dibromofluoromethane	5.50	113	104467	48.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.06%	
50) Toluene-d8	8.71	98	415763	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	
62) 4-Bromofluorobenzene	11.13	95	151297	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	40129	17.779	ug/l	99
3) Chloromethane	1.32	50	58119	20.018	ug/l	98
4) Vinyl Chloride	1.40	62	58273	18.491	ug/l	99
5) Bromomethane	1.64	94	27485	17.824	ug/l	98
6) Chloroethane	1.72	64	35582	19.059	ug/l	99
7) Trichlorofluoromethane	1.93	101	66789	18.712	ug/l	100
8) Diethyl Ether	2.18	74	31825	18.841	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	40302	18.684	ug/l	99
10) Methyl Iodide	2.51	142	35707	19.737	ug/l	99
11) Tert butyl alcohol	3.04	59	63313	98.438	ug/l	98
12) 1,1-Dichloroethene	2.37	96	41136	18.465	ug/l	96
13) Acrolein	2.29	56	38300	82.001	ug/l	99
14) Allyl chloride	2.73	41	90064	18.351	ug/l	99
15) Acrylonitrile	3.14	53	159478	94.560	ug/l	99
16) Acetone	2.44	43	143236	94.405	ug/l	98
17) Carbon Disulfide	2.57	76	121947	18.840	ug/l	99
18) Methyl Acetate	2.77	43	68971	18.927	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	153370	19.105	ug/l	100
20) Methylene Chloride	2.85	84	49925	19.775	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	43695	19.519	ug/l	97
22) Diisopropyl ether	3.85	45	184621	19.104	ug/l	99
23) Vinyl Acetate	3.81	43	817016	96.904	ug/l	99
24) 1,1-Dichloroethane	3.70	63	92382	18.935	ug/l	98
25) 2-Butanone	4.67	43	234680	96.480	ug/l	100
26) 2,2-Dichloropropane	4.59	77	57545	17.733	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	51577	18.934	ug/l	99
28) Bromochloromethane	5.02	49	44489	18.457	ug/l	100
29) Tetrahydrofuran	5.13	42	154378	96.297	ug/l	100
30) Chloroform	5.21	83	83763	19.024	ug/l	99
31) Cyclohexane	5.58	56	86989	18.695	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	66237	18.820	ug/l	98
36) 1,1-Dichloropropene	5.80	75	63142	17.938	ug/l	99
37) Ethyl Acetate	4.83	43	89729	19.677	ug/l	99
38) Carbon Tetrachloride	5.78	117	54612	18.591	ug/l	97

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Manual Integrations
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MMDadoda
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 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	77210	18.354	ug/l	99
40) Benzene	6.14	78	197131	18.707	ug/l	100
41) Methacrylonitrile	5.04	41	49672	19.383	ug/l	99
42) 1,2-Dichloroethane	6.19	62	70986	18.398	ug/l	99
43) Isopropyl Acetate	6.45	43	135902	18.632	ug/l	99
44) Trichloroethene	7.21	130	44349	17.924	ug/l	100
45) 1,2-Dichloropropane	7.51	63	56690	18.926	ug/l	98
46) Dibromomethane	7.66	93	32566	18.619	ug/l	99
47) Bromodichloromethane	7.90	83	63310	18.910	ug/l	98
48) Methyl methacrylate	7.77	41	69076	18.927	ug/l	100
49) 1,4-Dioxane	7.74	88	29203	402.433	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	457560	96.584	ug/l	100
52) Toluene	8.78	92	118962	18.880	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	66624	18.168	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	76728	18.401	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	48420	18.878	ug/l	98
56) Ethyl methacrylate	9.18	69	87541	18.908	ug/l	99
57) 1,3-Dichloropropane	9.37	76	86469	18.803	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	222035	92.775	ug/l	100
59) 2-Hexanone	9.49	43	358477	97.655	ug/l	99
60) Dibromochloromethane	9.58	129	45108	18.492	ug/l	98
61) 1,2-Dibromoethane	9.67	107	49773	19.015	ug/l	100
64) Tetrachloroethene	9.34	164	35820	18.023	ug/l	99
65) Chlorobenzene	10.14	112	120376	18.856	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	41556	18.867	ug/l	99
67) Ethyl Benzene	10.25	91	227257	18.862	ug/l	99
68) m/p-Xylenes	10.36	106	163284	37.252	ug/l	99
69) o-Xylene	10.69	106	81199	19.089	ug/l	99
70) Styrene	10.71	104	137634	18.732	ug/l	100
71) Bromoform	10.85	173	31498	18.108	ug/l #	99
73) Isopropylbenzene	11.02	105	215046	19.833	ug/l	99
74) N-amyl acetate	10.90	43	122896	19.582	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	82505	19.612	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	77960m	19.676	ug/l	
77) Bromobenzene	11.26	156	49833	18.937	ug/l	99
78) n-propylbenzene	11.36	91	248753	19.584	ug/l	99
79) 2-Chlorotoluene	11.42	91	148735	19.252	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	179491	19.581	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	22570	18.244	ug/l	90
82) 4-Chlorotoluene	11.51	91	170115	19.090	ug/l	100
83) tert-Butylbenzene	11.77	119	171361	19.376	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	179596	19.370	ug/l	99
85) sec-Butylbenzene	11.94	105	206705	19.626	ug/l	99
86) p-Isopropyltoluene	12.06	119	182997	19.691	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	88315	18.783	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	88549	18.661	ug/l	99
89) n-Butylbenzene	12.38	91	167175	18.989	ug/l	99
90) Hexachloroethane	12.60	117	29818	19.259	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	88947	18.891	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	18159	19.796	ug/l	98

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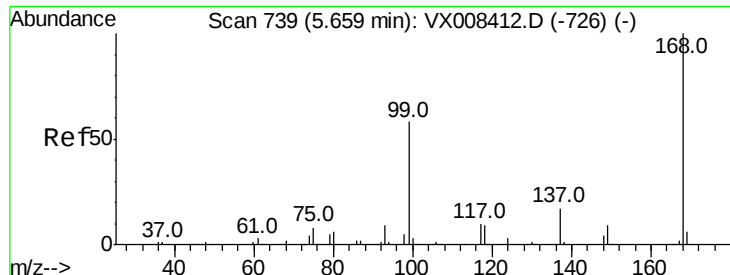
Manual Integrations
APPROVED

MMDadoda
3/27/2019 10:40:50 AM

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	59988	18.924	ug/l	99
94) Hexachlorobutadiene	13.78	225	28575	18.984	ug/l	99
95) Naphthalene	13.83	128	216791	19.947	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	62066	19.484	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008452.D

Acq: 26 Mar 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

VX0326WBS01

Tot Ion:168 Resp: 191486

Ion Ratio Lower Upper

168 100

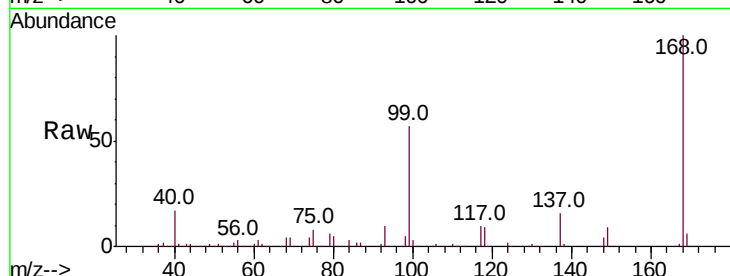
99 56.8 46.0 69.0

Manual Integrations

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3/27/2019 10:40:50 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

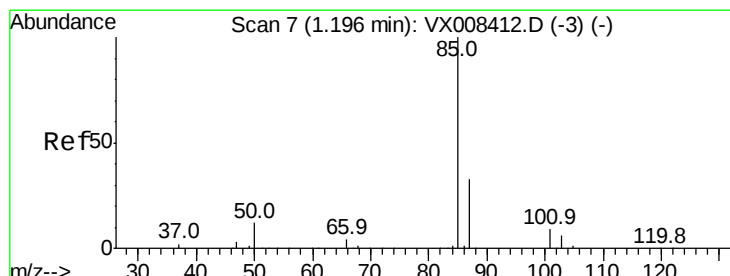
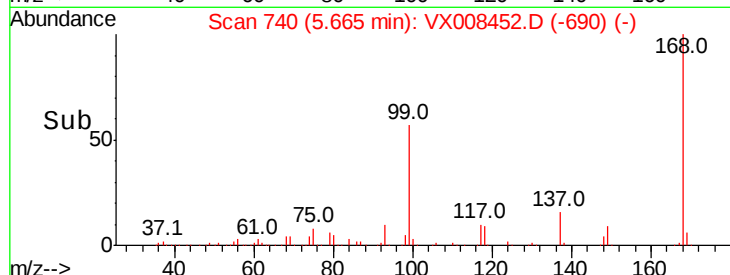
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.779 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008452.D

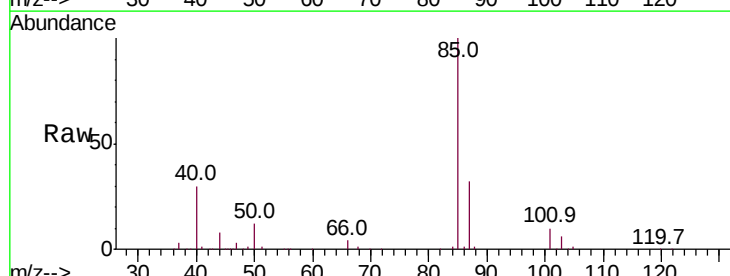
Acq: 26 Mar 2019 13:20

Tgt Ion: 85 Resp: 40129

Ion Ratio Lower Upper

85 100

87 32.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

40000

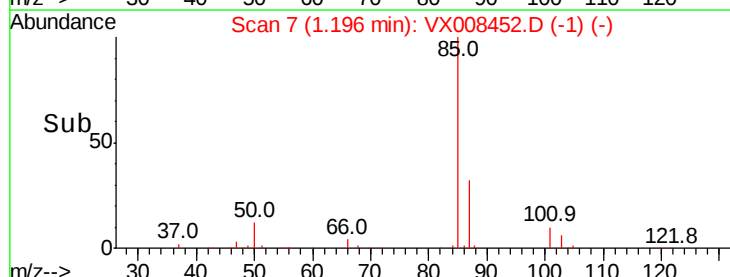
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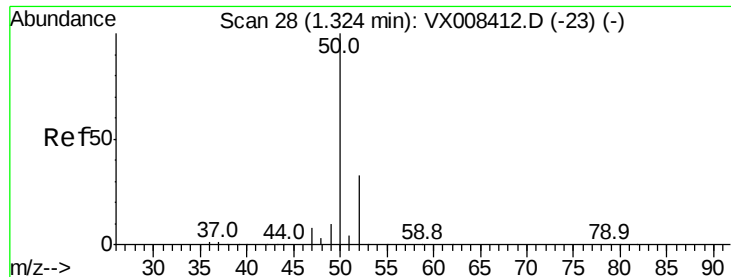
20000

10000

0

Time-->





#3

Chloromethane

Concen: 20.018 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008452.D

Acq: 26 Mar 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

VX0326WBS01

Tot Ion: 50 Resp: 58119

Ion Ratio Lower Upper

50 100

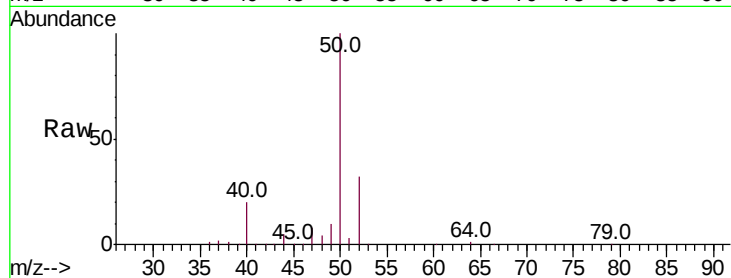
52 31.5 26.2 39.2

Manual Integrations

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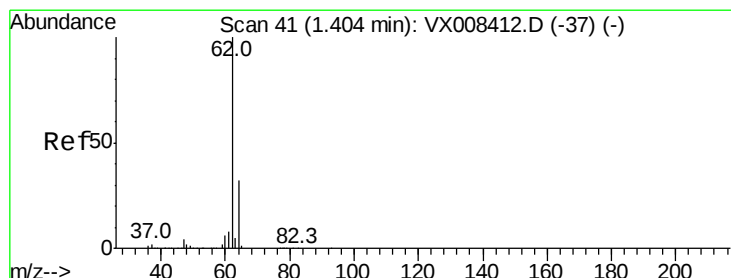
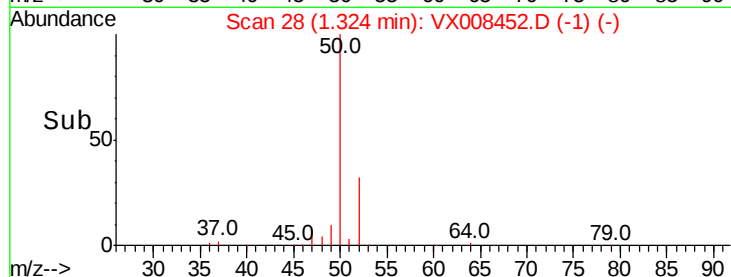
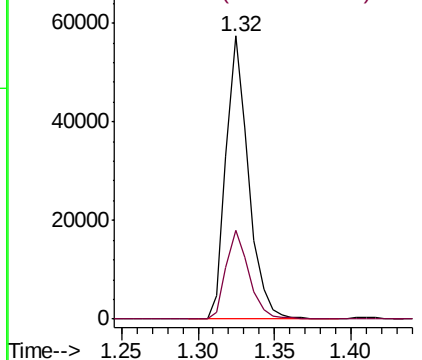
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 18.491 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX008452.D

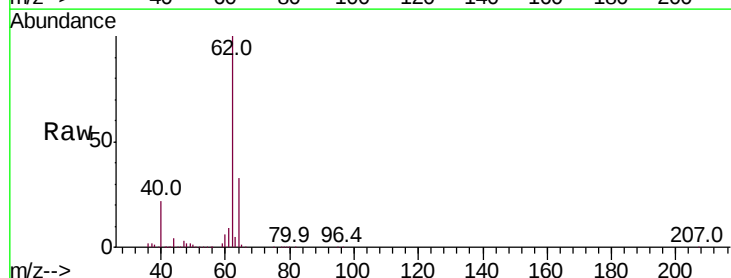
Acq: 26 Mar 2019 13:20

Tgt Ion: 62 Resp: 58273

Ion Ratio Lower Upper

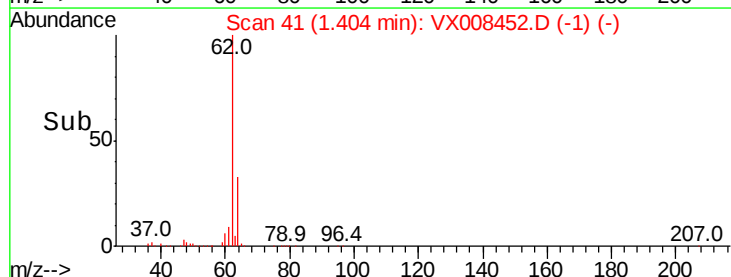
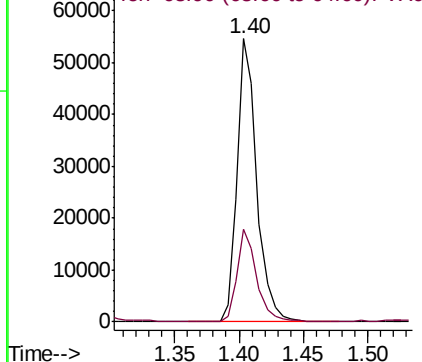
62 100

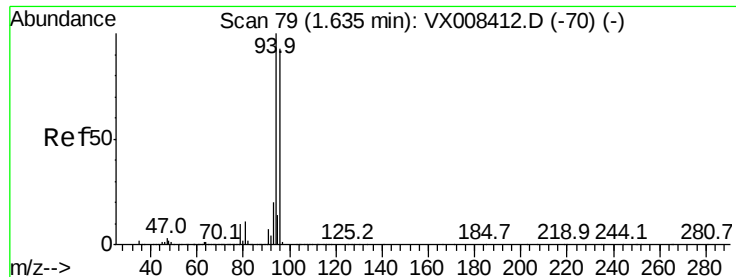
64 32.5 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 17.824 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008452.D

Acq: 26 Mar 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

VX0326WBS01

Tot Ion: 94 Resp: 27485

Ion Ratio Lower Upper

94 100

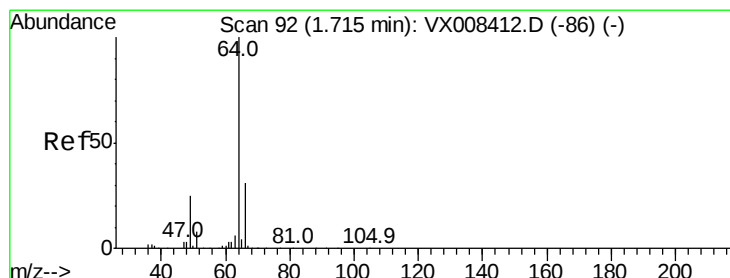
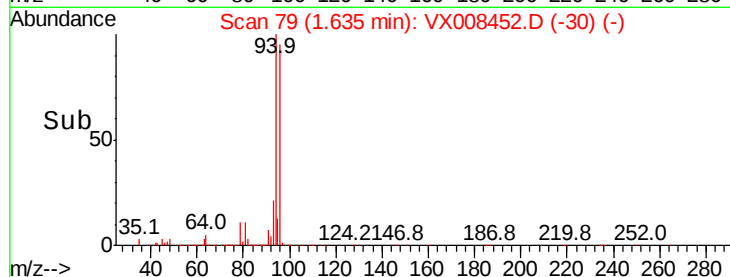
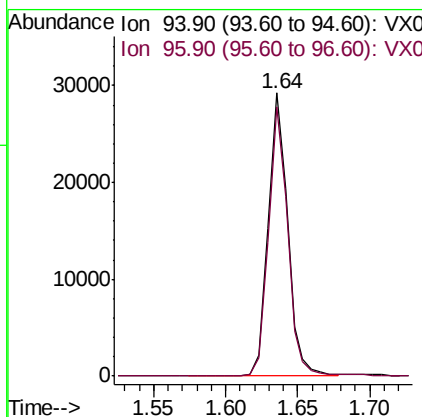
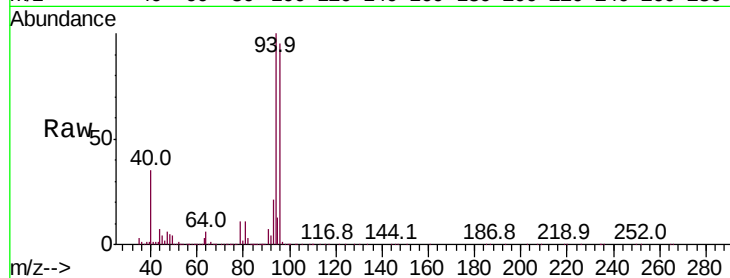
96 95.2 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 19.059 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX008452.D

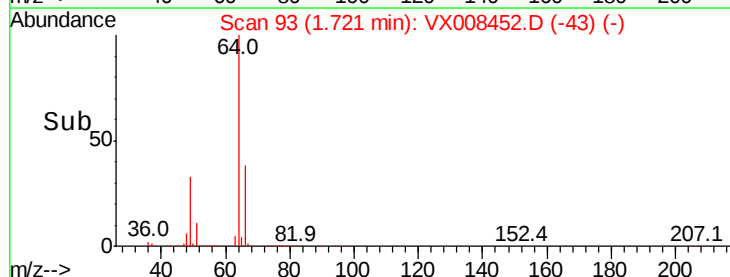
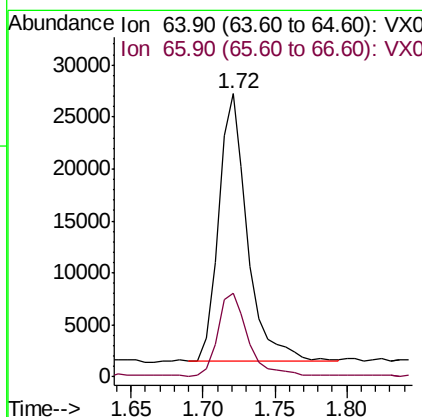
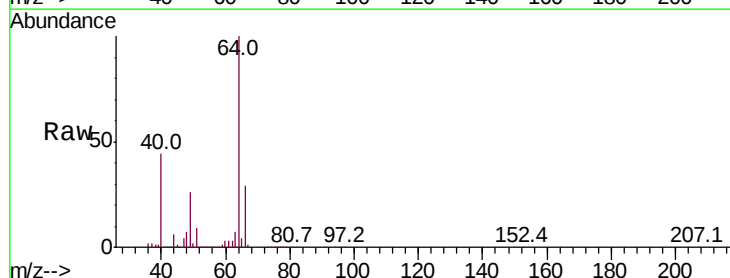
Acq: 26 Mar 2019 13:20

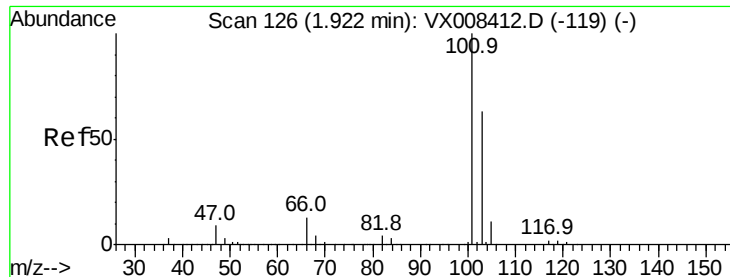
Tgt Ion: 64 Resp: 35582

Ion Ratio Lower Upper

64 100

66 30.8 25.1 37.7





#7

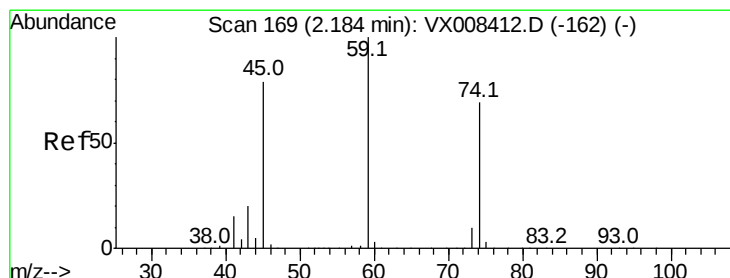
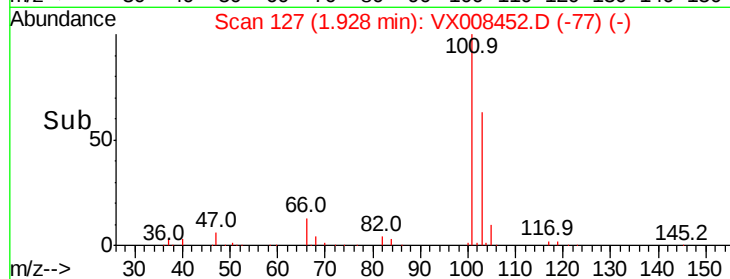
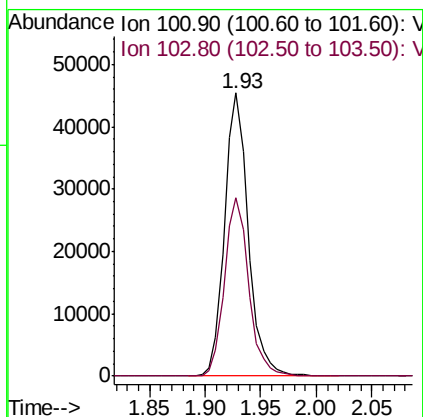
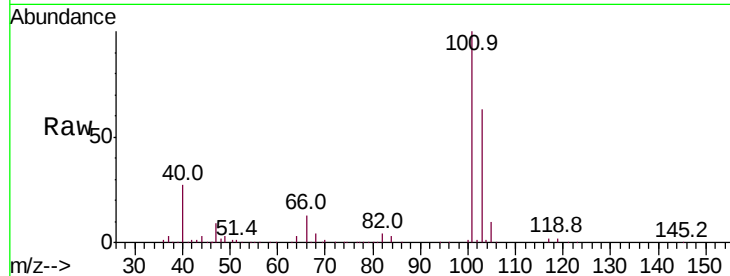
Trichlorofluoromethane
Concen: 18.712 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX008452.D
Acq: 26 Mar 2019 13:20

Instrument :
MSVOA_X
ClientSampleId :
VX0326WBS01

Tot Ion:101 Resp: 66789
Ion Ratio Lower Upper
101 100
103 63.0 50.2 75.4

Manual Integrations
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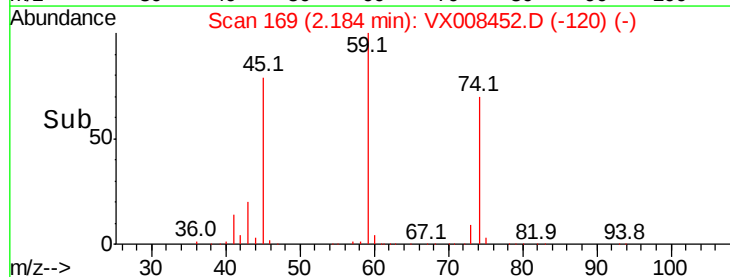
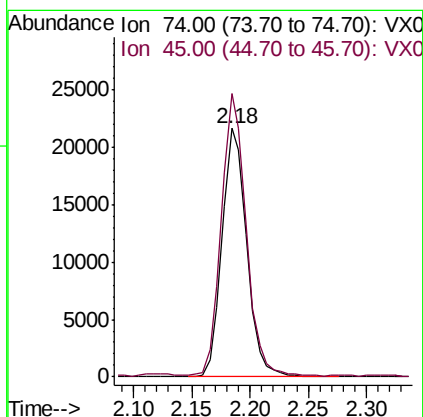
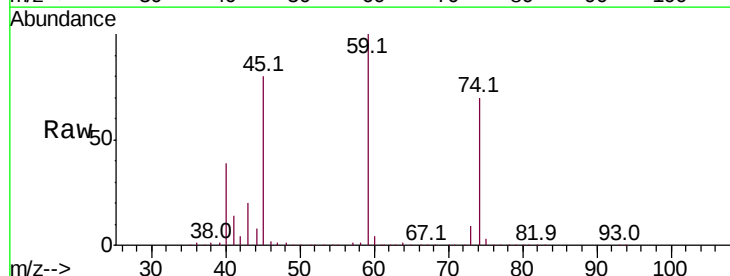
MMDadoda
3/27/2019 10:40:50 AM

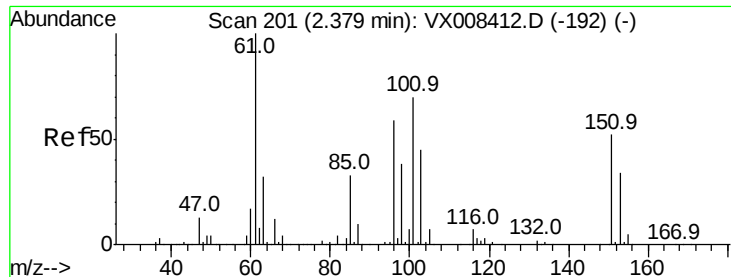


#8

Diethyl Ether
Concen: 18.841 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX008452.D
Acq: 26 Mar 2019 13:20

Tgt Ion: 74 Resp: 31825
Ion Ratio Lower Upper
74 100
45 113.4 56.4 169.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.684 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX008452.D

Acq: 26 Mar 2019 13:20

Instrument :

MSVOA_X

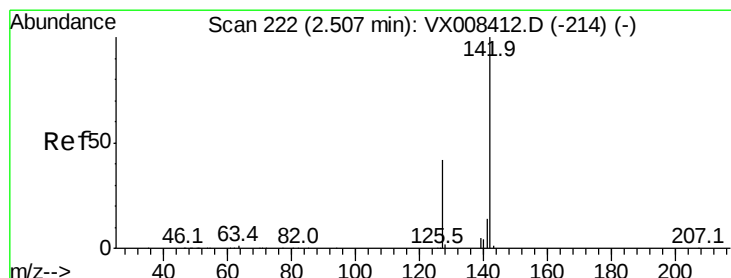
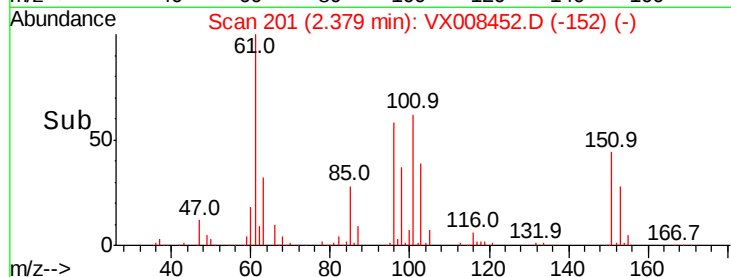
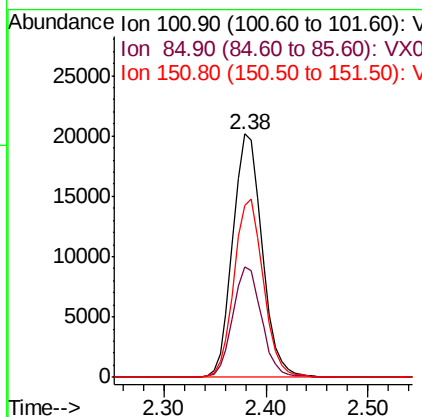
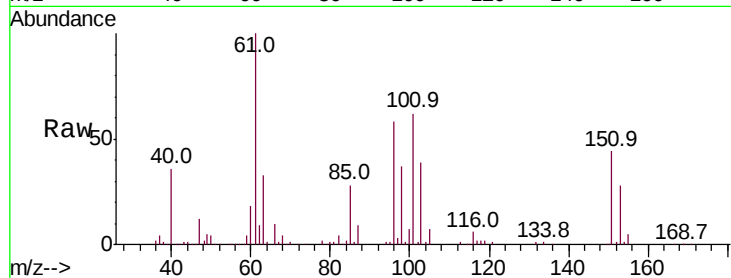
ClientSampleId :

VX0326WBS01

Tot Ion:	101	Resp:	40302
Ion Ratio	Lower	Upper	
101	100		
85	44.5	36.0	54.0
151	73.0	59.2	88.8

Manual Integrations
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#10

Methyl Iodide

Concen: 19.737 ug/l

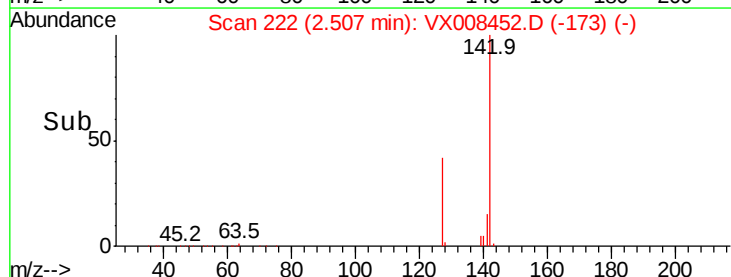
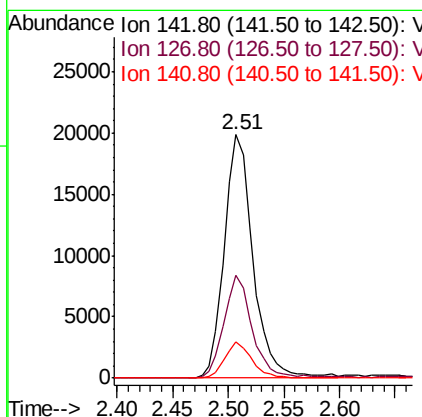
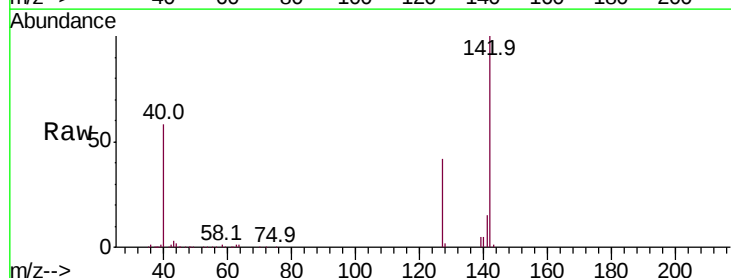
RT: 2.51 min Scan# 222

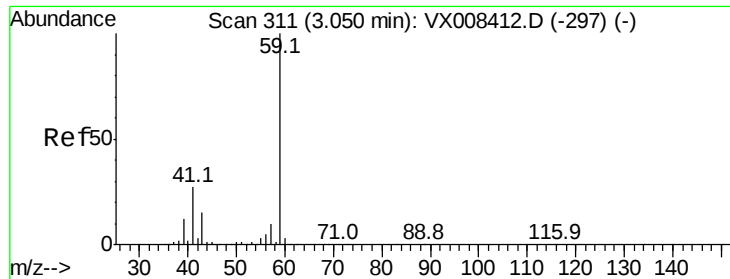
Delta R.T. 0.00 min

Lab File: VX008452.D

Acq: 26 Mar 2019 13:20

Tgt Ion:	142	Resp:	35707
Ion Ratio	Lower	Upper	
142	100		
127	41.5	33.6	50.4
141	14.3	11.3	16.9





#11

Tert butyl alcohol

Concen: 98.438 ug/l

RT: 3.04 min Scan# 310

Delta R.T. -0.01 min

Lab File: VX008452.D

Acq: 26 Mar 2019 13:20

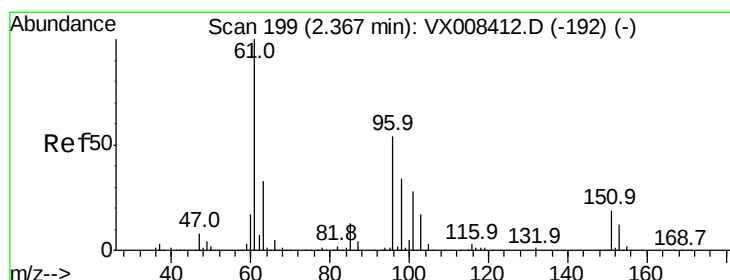
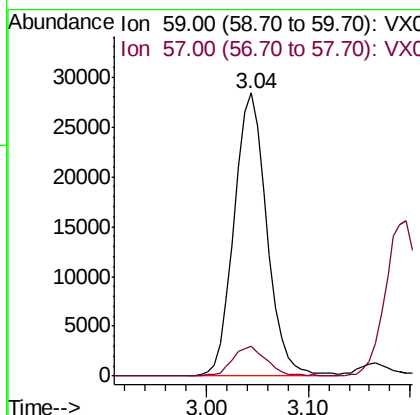
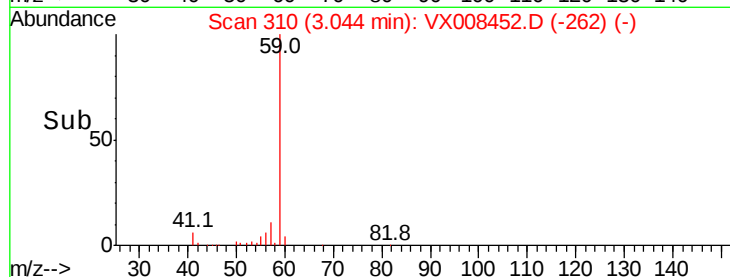
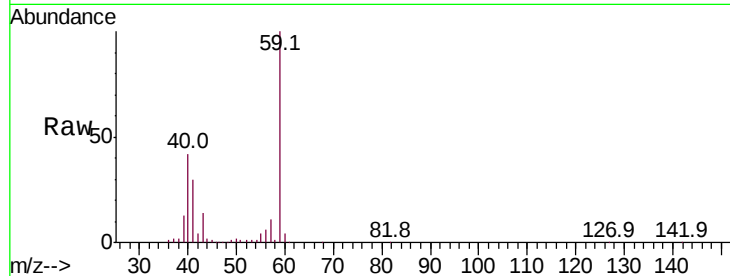
Instrument :
MSVOA_X
ClientSampleId :
VX0326WBS01

Tot Ion: 59 Resp: 63313

Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.2	12.4

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 18.465 ug/l

RT: 2.37 min Scan# 200

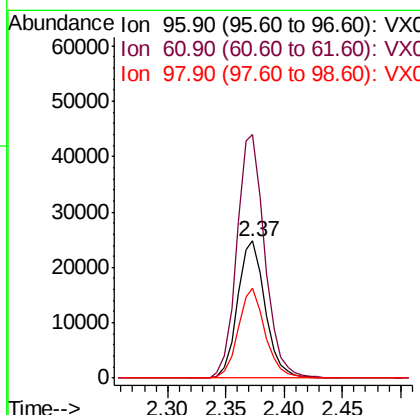
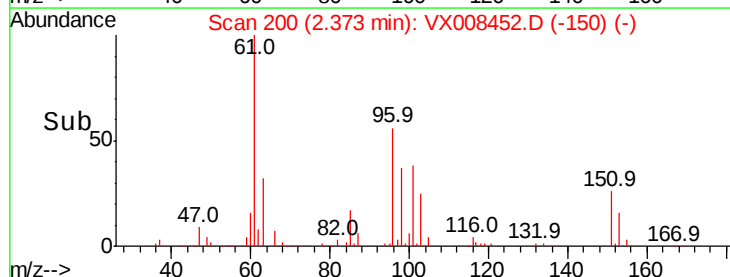
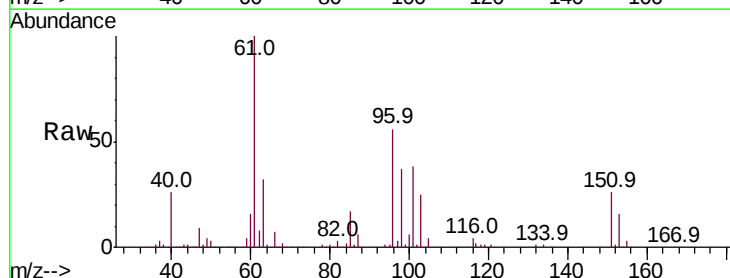
Delta R.T. 0.01 min

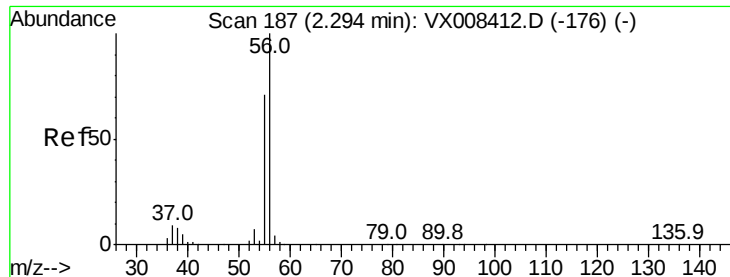
Lab File: VX008452.D

Acq: 26 Mar 2019 13:20

Tgt Ion: 96 Resp: 41136

Ion	Ratio	Lower	Upper
96	100		
61	177.7	146.9	220.3
98	65.6	50.1	75.1





#13

Acrolein

Concen: 82.001 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008452.D

Acq: 26 Mar 2019 13:20

Instrument :

MSVOA_X

ClientSampled :

VX0326WBS01

Tot Ion: 56 Resp: 38300

Ion Ratio Lower Upper

56 100

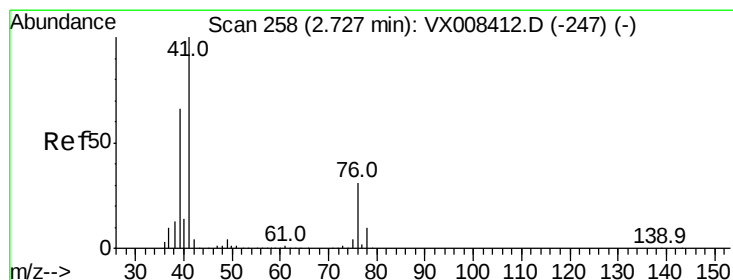
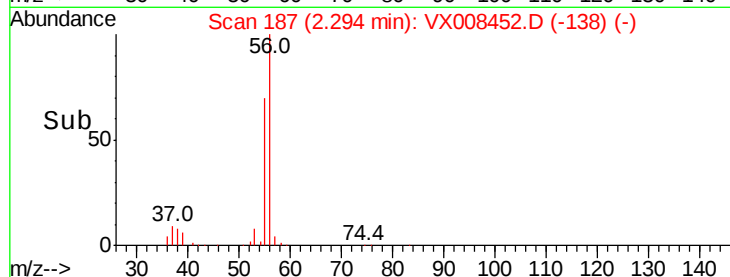
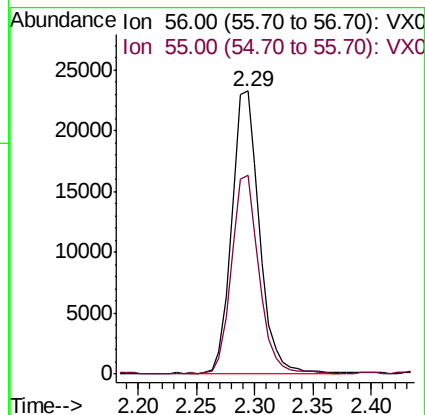
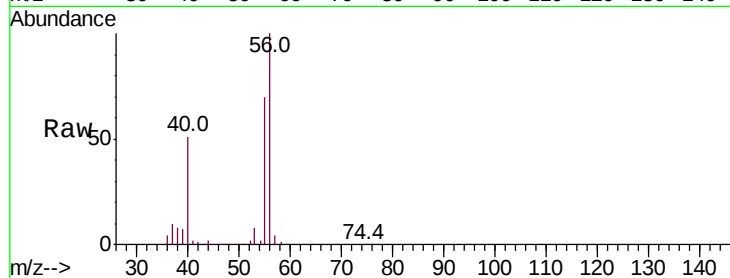
55 71.4 56.5 84.7

Manual Integrations

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#14

Allyl chloride

Concen: 18.351 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX008452.D

Acq: 26 Mar 2019 13:20

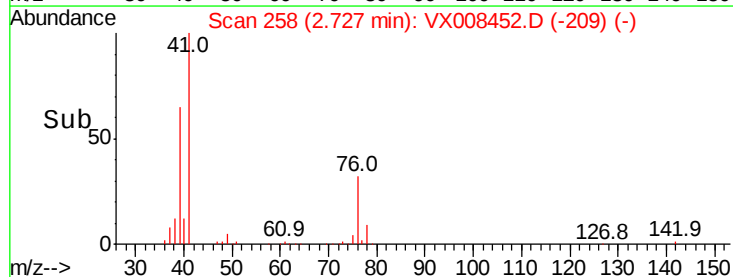
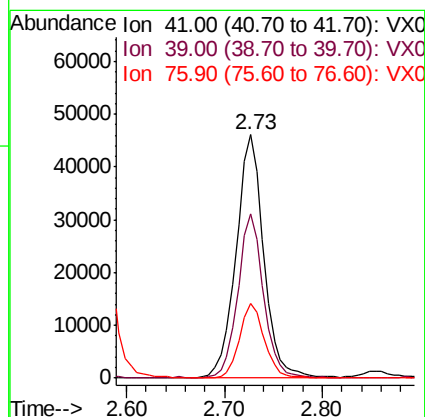
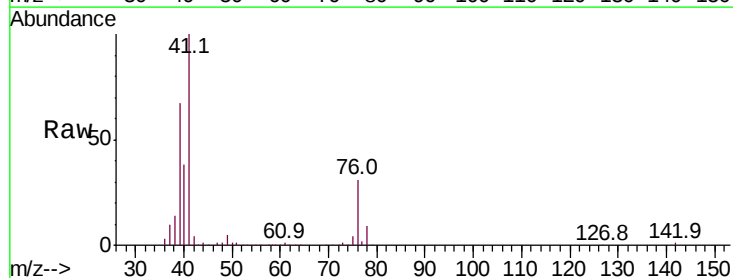
Tgt Ion: 41 Resp: 90064

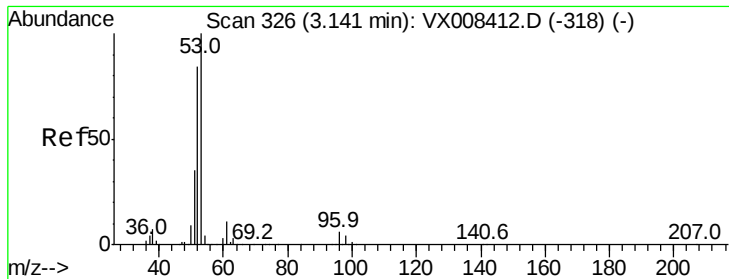
Ion Ratio Lower Upper

41 100

39 62.2 49.6 74.4

76 27.6 22.6 34.0





#15

Acrylonitrile

Concen: 94.560 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX008452.D

Acq: 26 Mar 2019 13:20

Instrument :

MSVOA_X

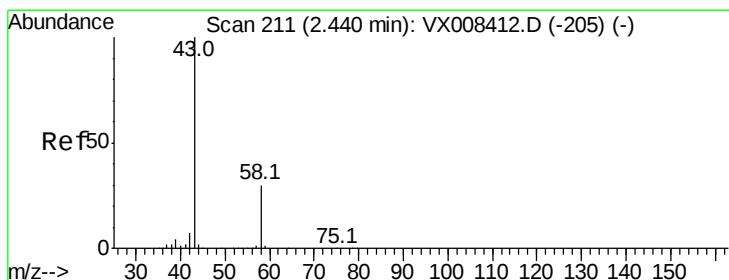
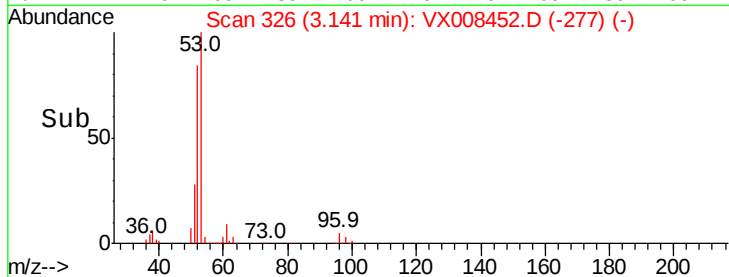
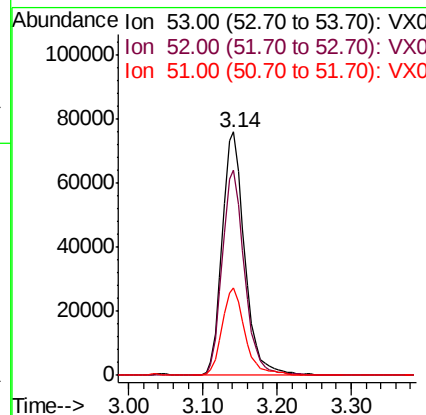
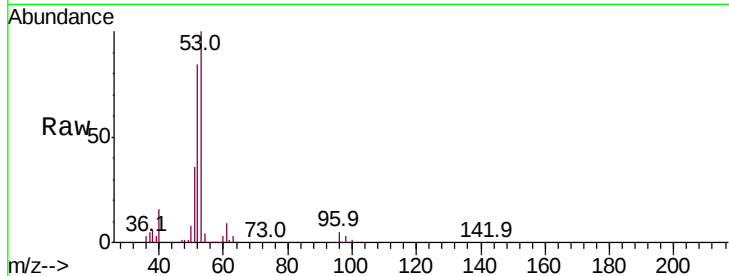
ClientSampleId :

VX0326WBS01

Tot Ion:	53	Resp:	159478
Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.5	99.7
51	36.2	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 94.405 ug/l

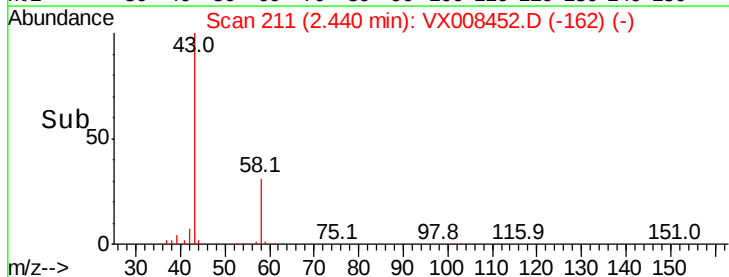
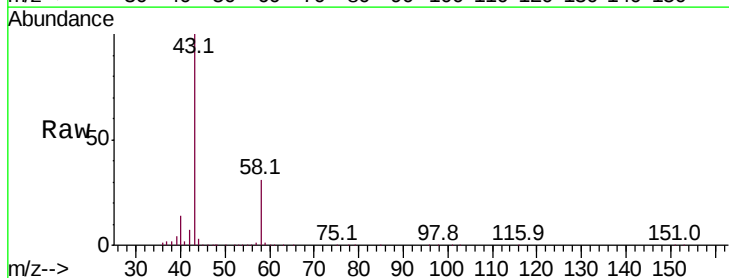
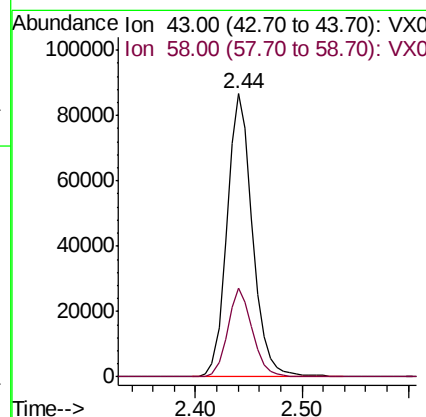
RT: 2.44 min Scan# 211

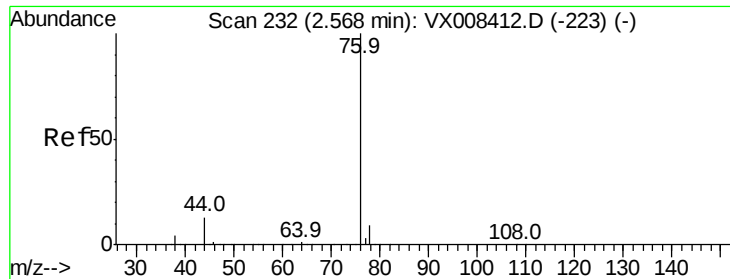
Delta R.T. -0.00 min

Lab File: VX008452.D

Acq: 26 Mar 2019 13:20

Tgt Ion:	43	Resp:	143236
Ion	Ratio	Lower	Upper
43	100		
58	31.2	24.2	36.2





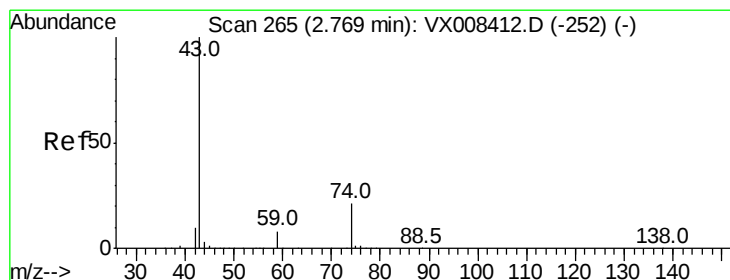
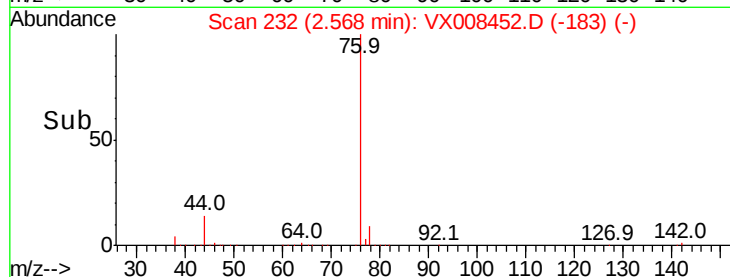
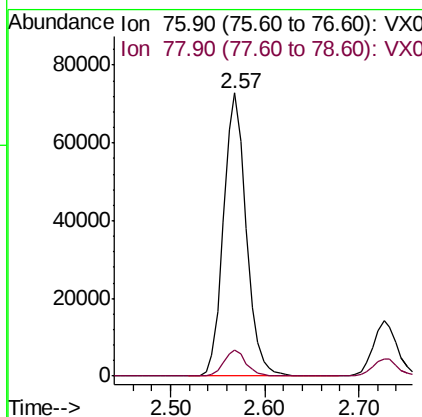
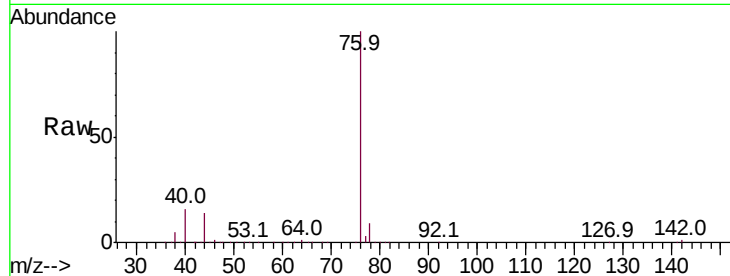
#17
Carbon Disulfide
Concen: 18.840 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX008452.D
Acq: 26 Mar 2019 13:20

Instrument :
MSVOA_X
ClientSampleId :
VX0326WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.2

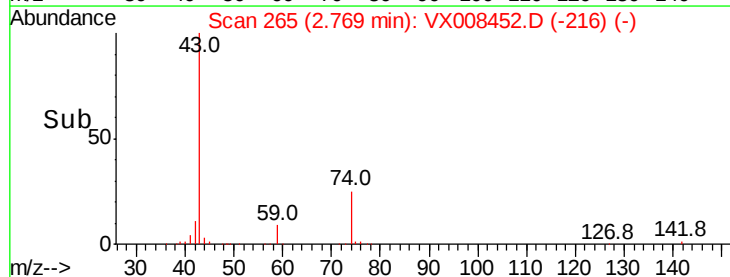
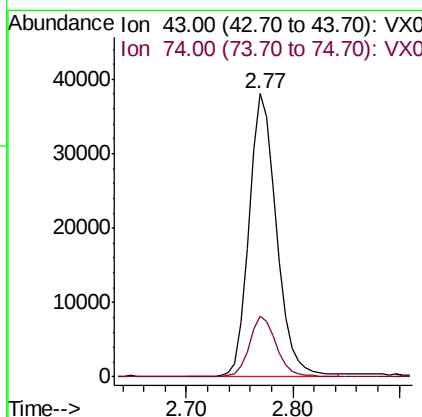
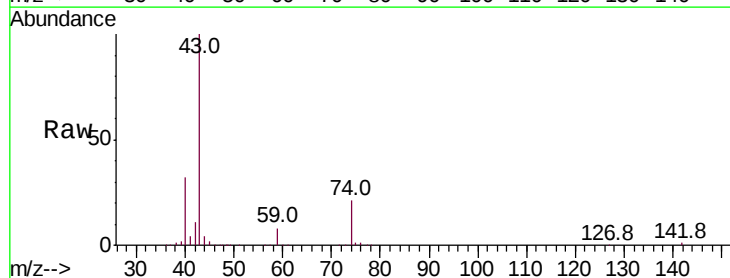
Manual Integrations
APPROVED

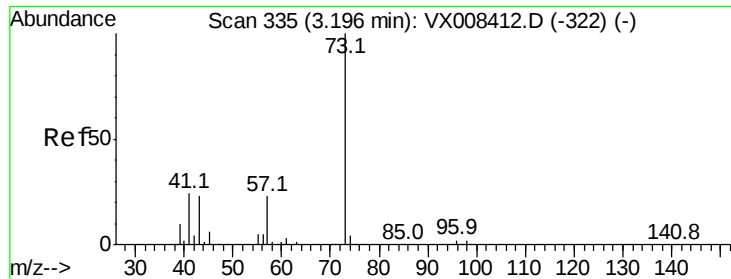
MMDadoda
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#18
Methyl Acetate
Concen: 18.927 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.00 min
Lab File: VX008452.D
Acq: 26 Mar 2019 13:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.7	16.7	25.1





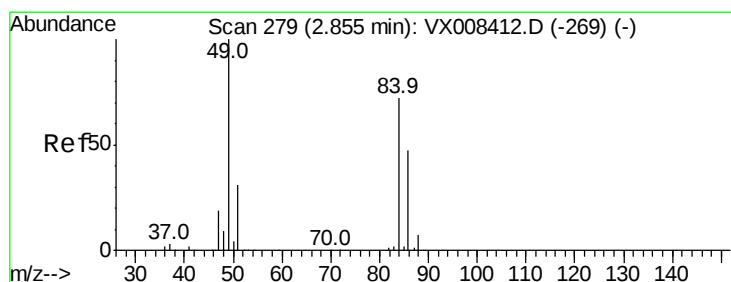
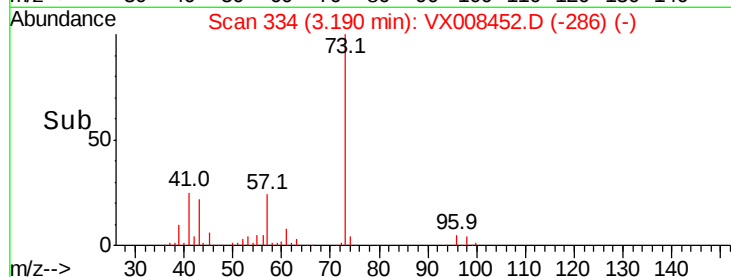
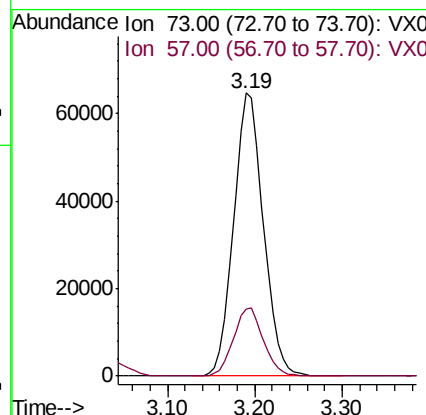
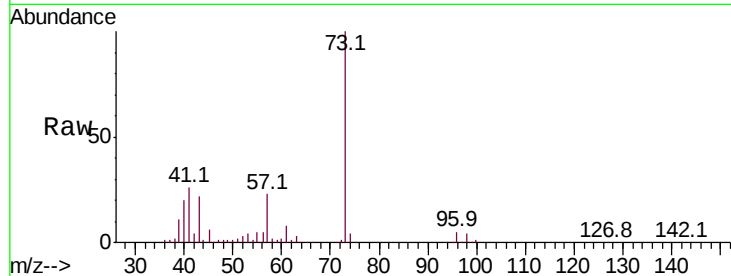
#19
Methyl tert-butyl Ether
Concen: 19.105 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX008452.D
Acq: 26 Mar 2019 13:20

Instrument :
MSVOA_X
ClientSampleId :
VX0326WBS01

Tot Ion: 73 Resp: 153370
Ion Ratio Lower Upper
73 100
57 23.5 18.6 28.0

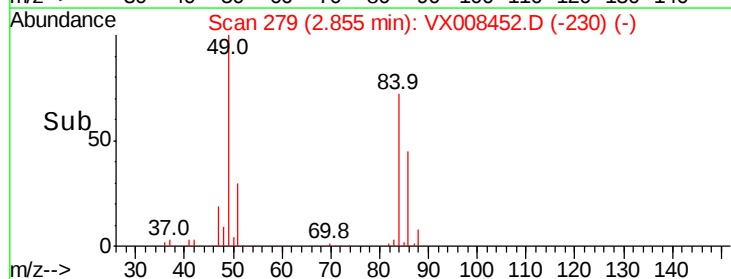
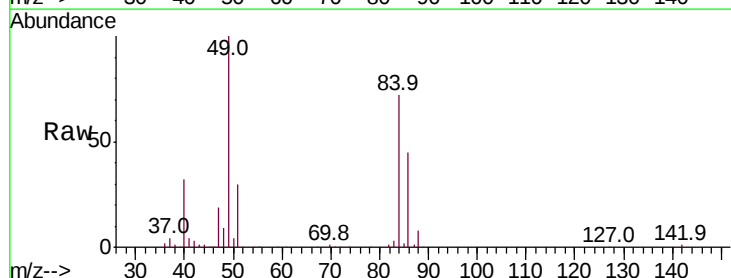
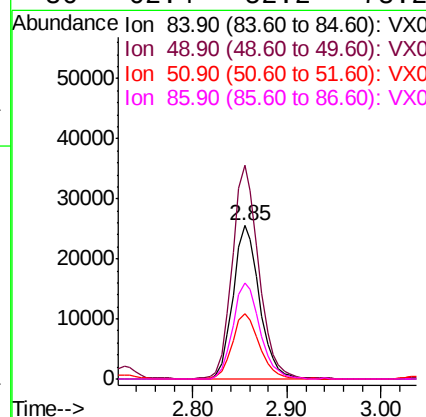
Manual Integrations
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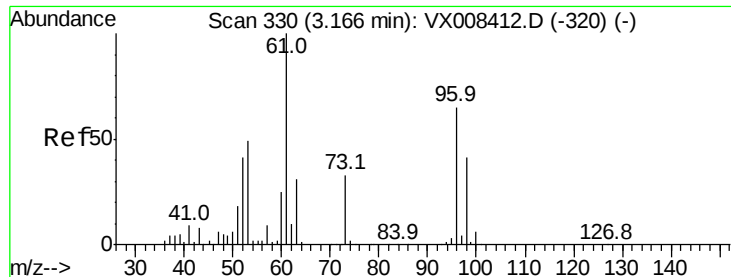
MMDadoda
3/27/2019 10:40:50 AM



#20
Methylene Chloride
Concen: 19.775 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX008452.D
Acq: 26 Mar 2019 13:20

Tgt Ion: 84 Resp: 49925
Ion Ratio Lower Upper
84 100
49 139.2 110.6 165.8
51 42.2 33.9 50.9
86 62.4 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 19.519 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008452.D

Acq: 26 Mar 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

VX0326WBS01

Tot Ion: 96 Resp: 43695

Ion Ratio Lower Upper

96 100

61 157.1 122.6 184.0

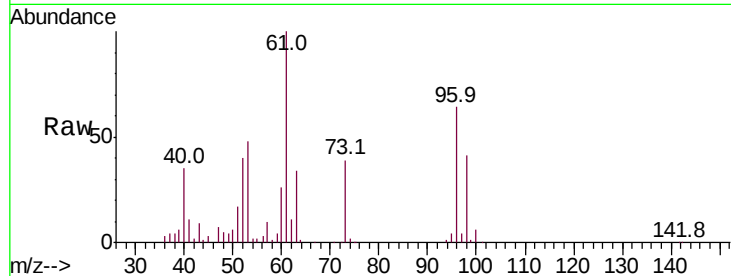
98 65.0 50.9 76.3

Manual Integrations

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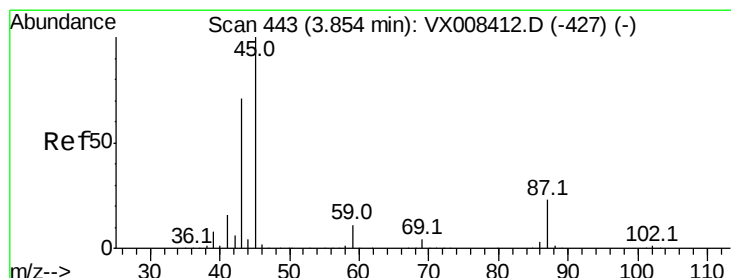
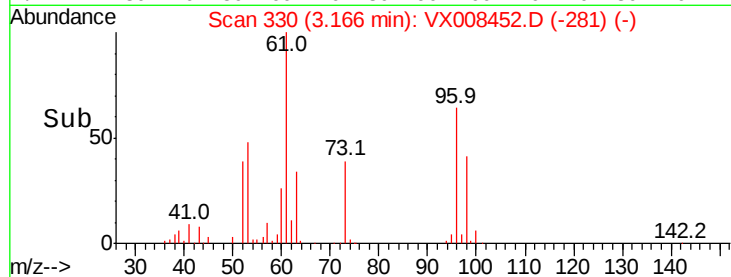
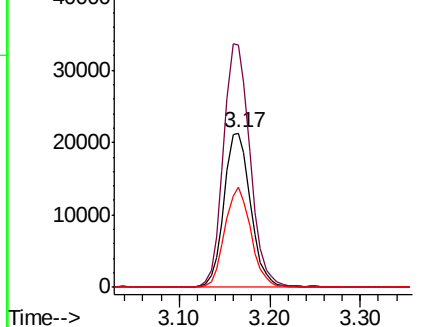
3/27/2019 10:40:50 AM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 19.104 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX008452.D

Acq: 26 Mar 2019 13:20

Tgt Ion: 45 Resp: 184621

Ion Ratio Lower Upper

45 100

43 72.1 57.1 85.7

87 23.5 18.8 28.2

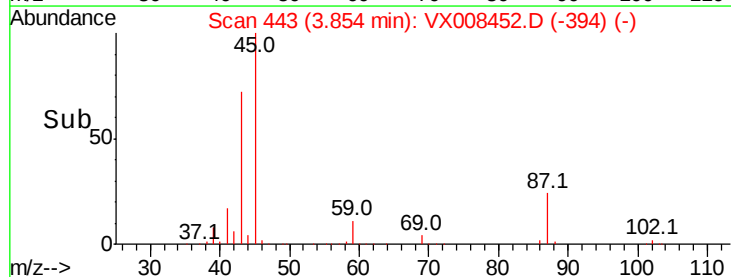
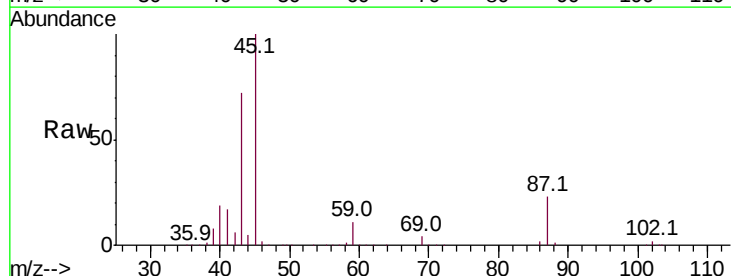
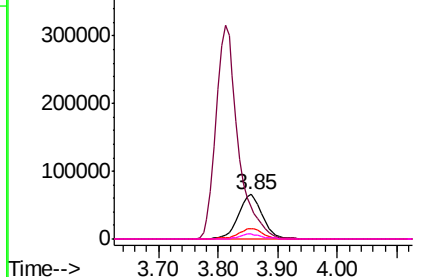
59 11.2 8.7 13.1

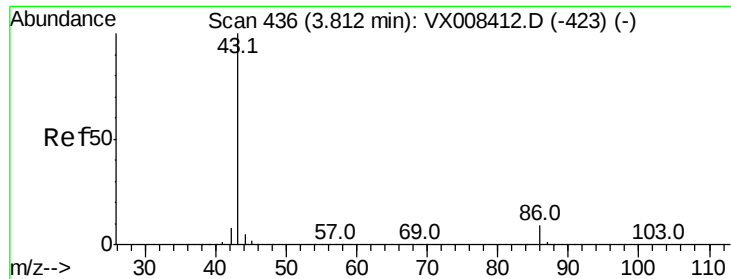
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 96.904 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX008452.D

Acq: 26 Mar 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

VX0326WBS01

Tot Ion: 43 Resp: 817016

Ion Ratio Lower Upper

43 100

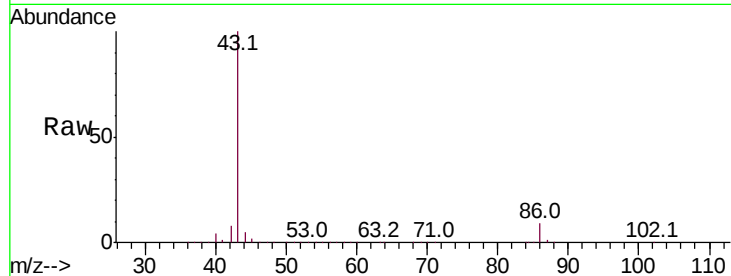
86 8.9 6.9 10.3

Manual Integrations

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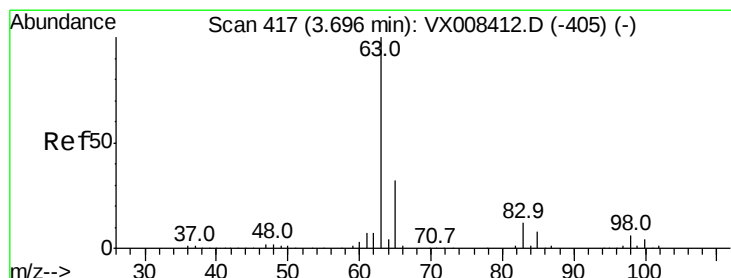
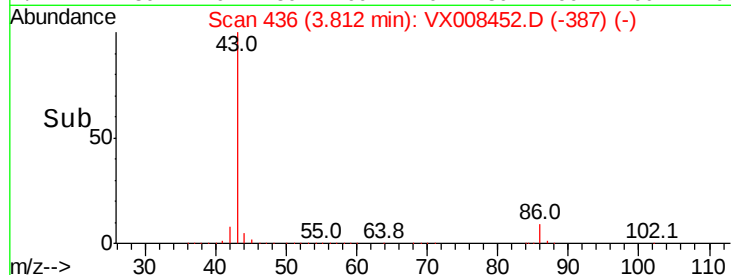
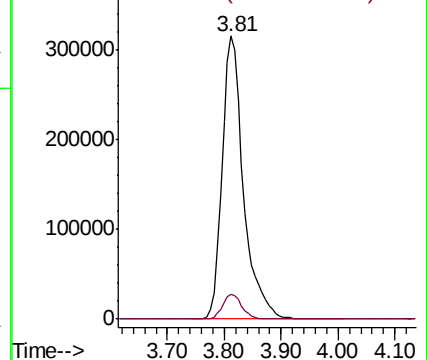
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 18.935 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008452.D

Acq: 26 Mar 2019 13:20

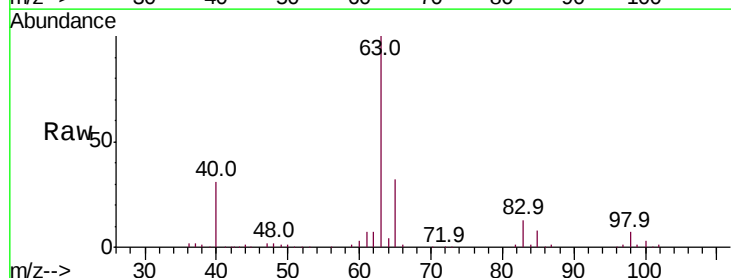
Tgt Ion: 63 Resp: 92382

Ion Ratio Lower Upper

63 100

98 7.1 3.2 9.6

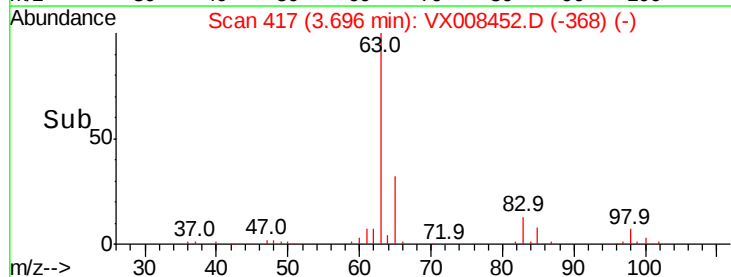
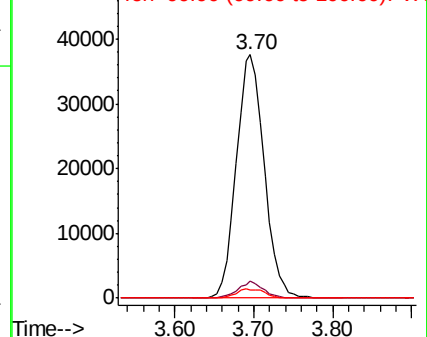
100 3.5 2.0 5.8

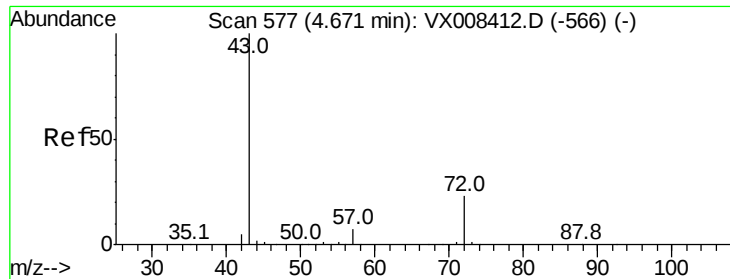


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 96.480 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX008452.D

Acq: 26 Mar 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

VX0326WBS01

Tot Ion: 43 Resp: 234680

Ion Ratio Lower Upper

43 100

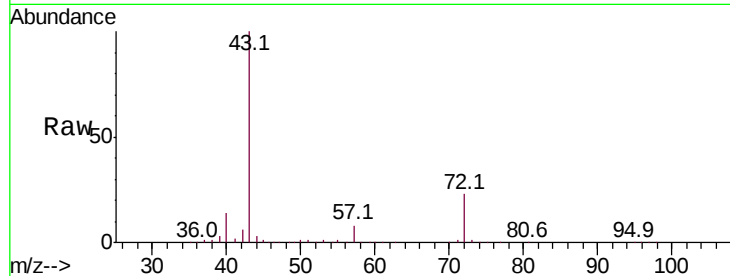
72 23.1 18.6 28.0

Manual Integrations

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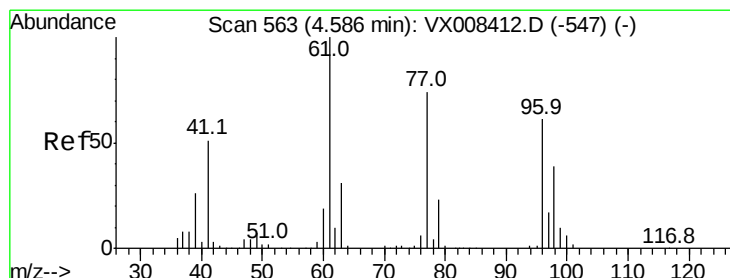
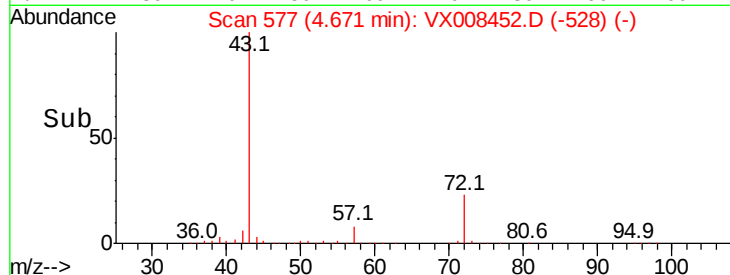
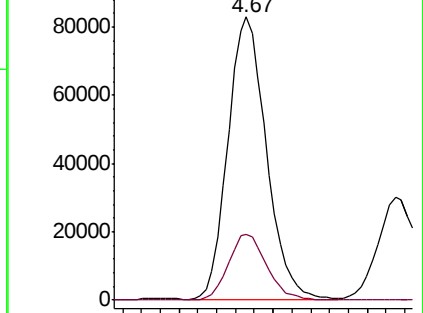
MMDadoda

3/27/2019 10:40:50 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 17.733 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX008452.D

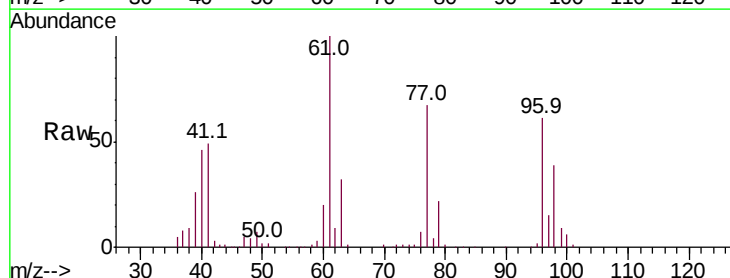
Acq: 26 Mar 2019 13:20

Tgt Ion: 77 Resp: 57545

Ion Ratio Lower Upper

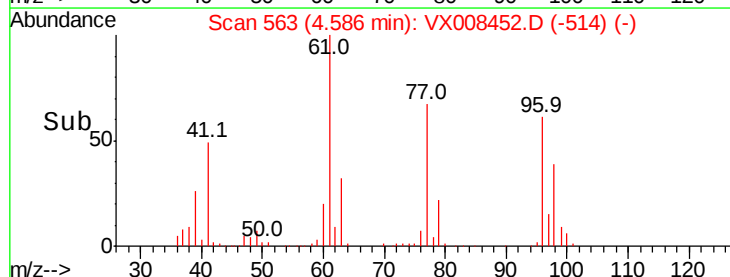
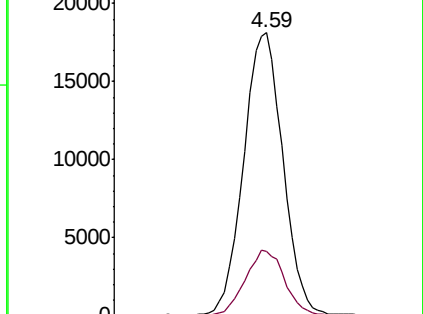
77 100

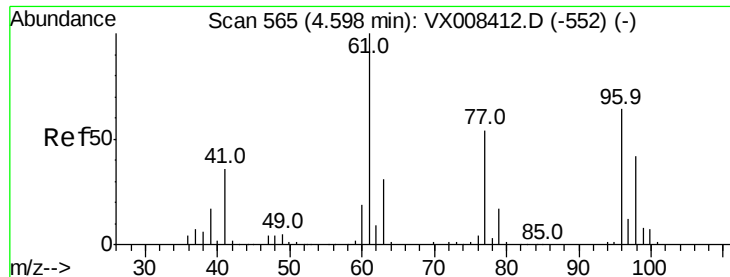
97 23.3 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

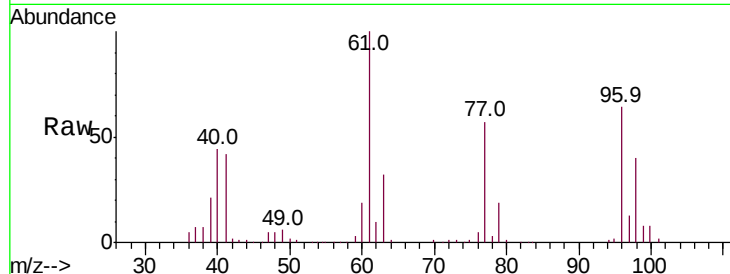
cis-1,2-Dichloroethene
 Concen: 18.934 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX008452.D
 Acq: 26 Mar 2019 13:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0326WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.8	0.0	325.6
98	64.1	0.0	130.0

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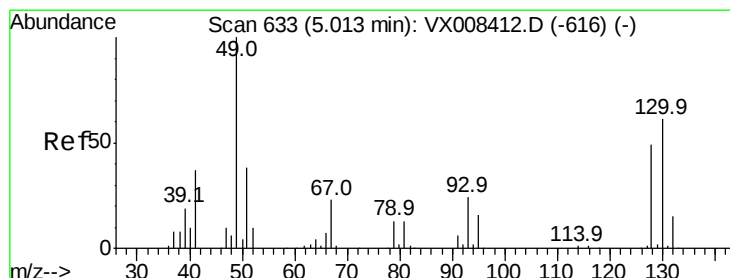
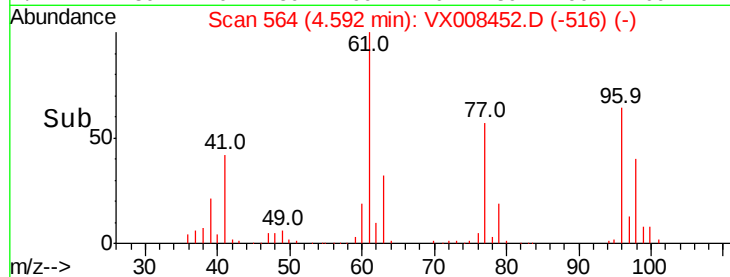
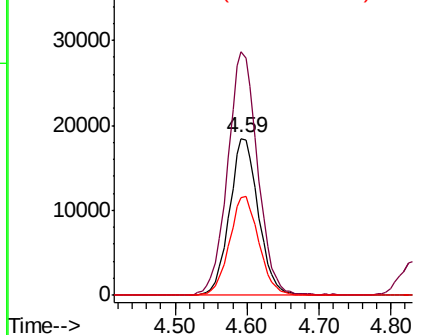


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

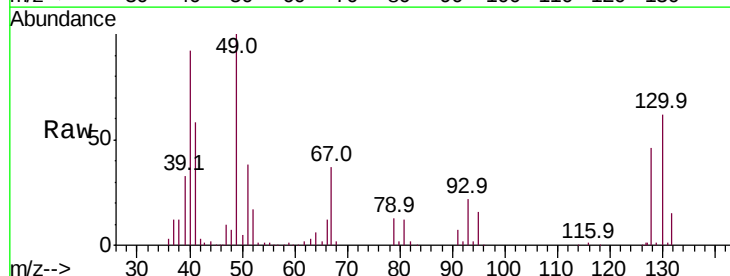
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
 Concen: 18.457 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.01 min
 Lab File: VX008452.D
 Acq: 26 Mar 2019 13:20

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.4
130	62.0	49.8	74.6

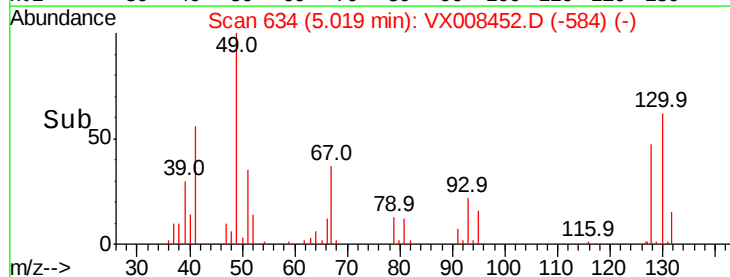
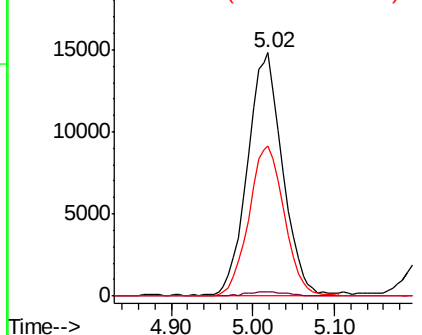


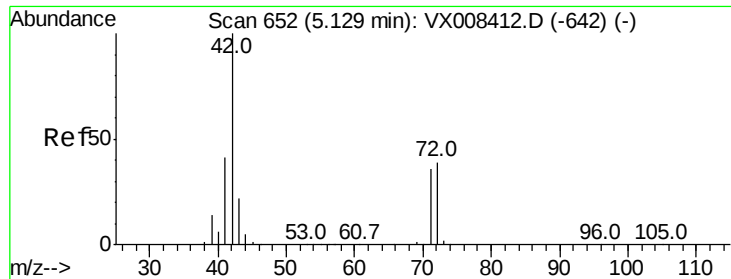
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





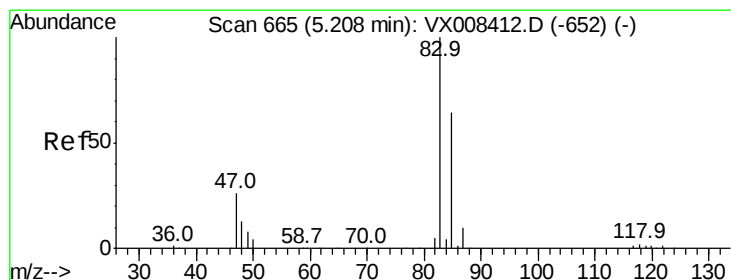
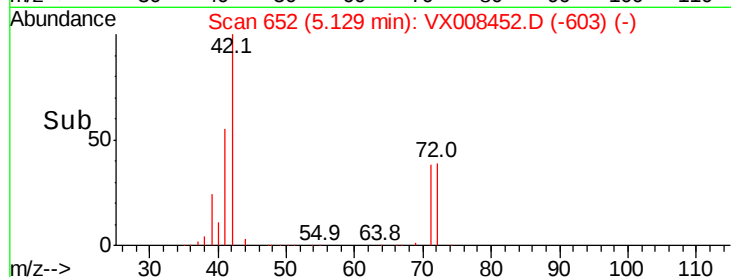
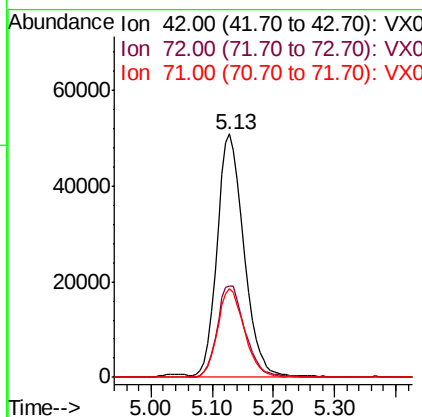
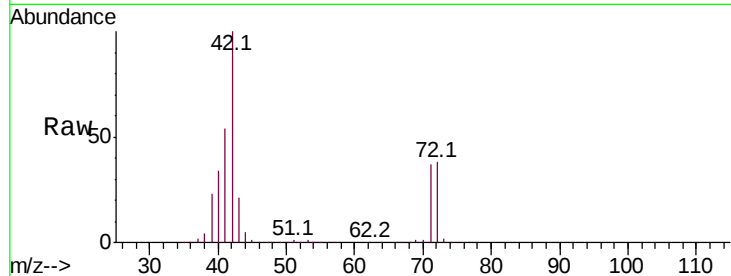
#29
Tetrahydrofuran
Concen: 96.297 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX008452.D
Acq: 26 Mar 2019 13:20

Instrument :
MSVOA_X
ClientSampleId :
VX0326WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.6	31.4	47.2
71	36.7	29.4	44.2

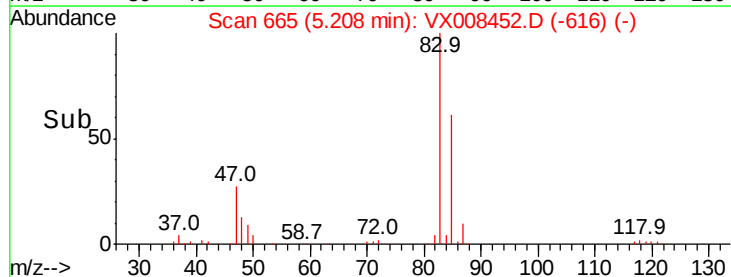
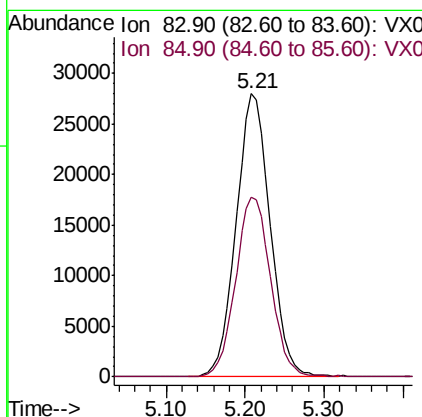
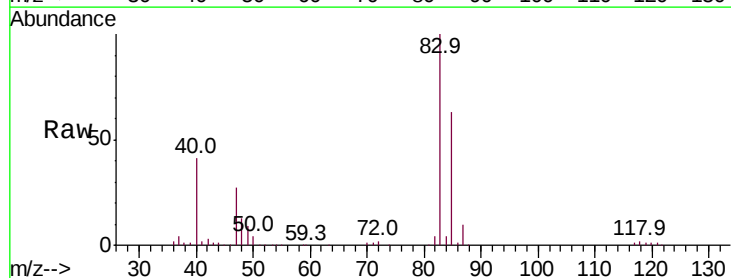
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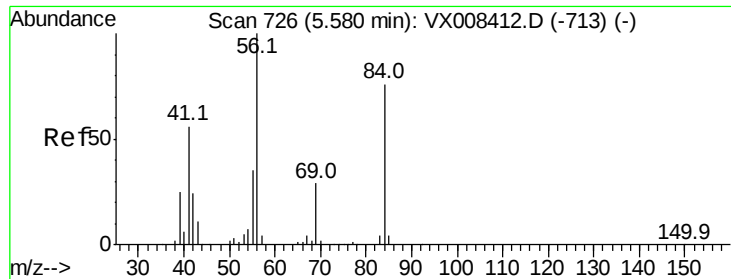
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#30
Chloroform
Concen: 19.024 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.00 min
Lab File: VX008452.D
Acq: 26 Mar 2019 13:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.4	77.2





#31

Cyclohexane

Concen: 18.695 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX008452.D

Acq: 26 Mar 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

VX0326WBS01

Tot Ion: 56 Resp: 86989

Ion Ratio Lower Upper

56 100

69 29.3 23.2 34.8

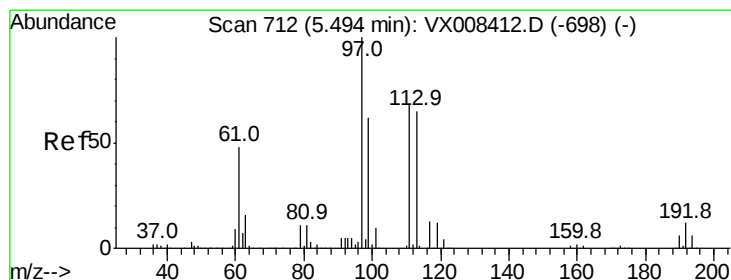
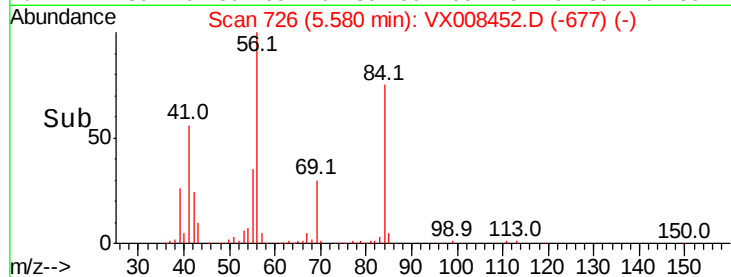
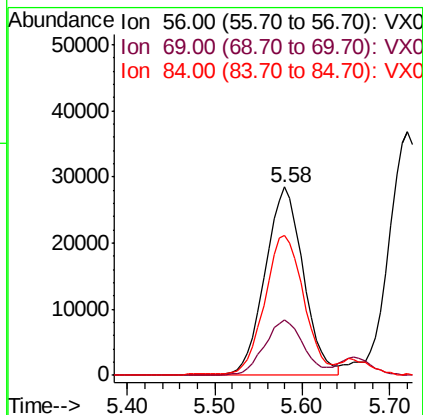
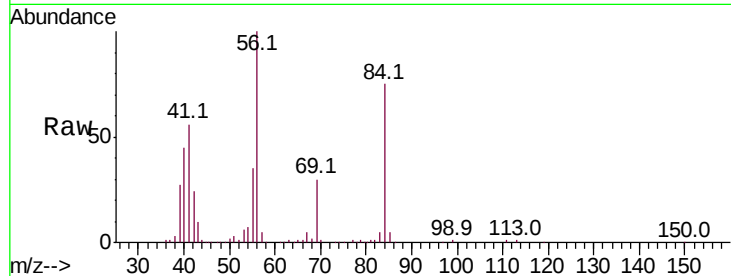
84 73.9 60.7 91.1

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#32

1,1,1-Trichloroethane

Concen: 18.820 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX008452.D

Acq: 26 Mar 2019 13:20

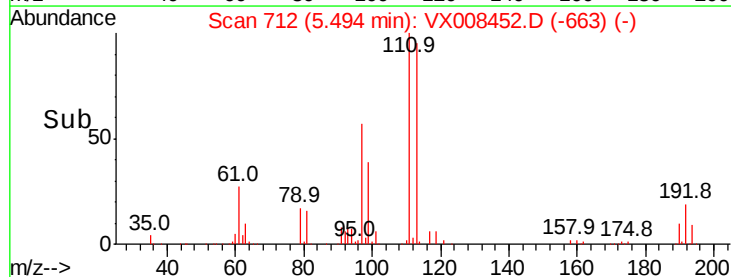
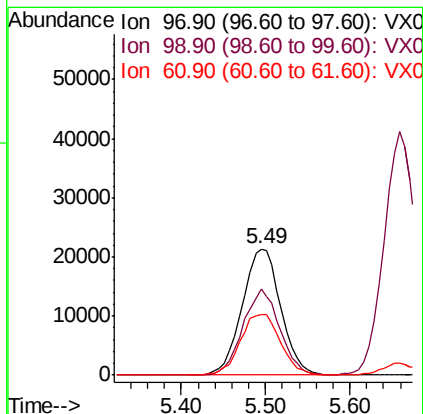
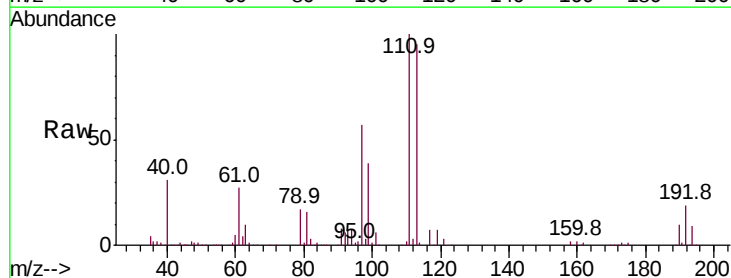
Tgt Ion: 97 Resp: 66237

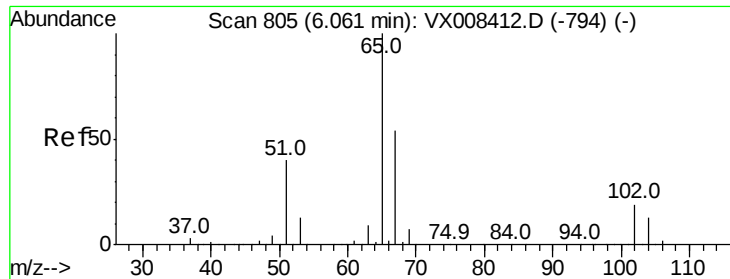
Ion Ratio Lower Upper

97 100

99 65.1 51.5 77.3

61 50.5 38.8 58.2





#33

1,2-Dichloroethane-d4

Concen: 48.836 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008452.D

Acq: 26 Mar 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

VX0326WBS01

Tot Ion: 65 Resp: 141769

Ion Ratio Lower Upper

65 100

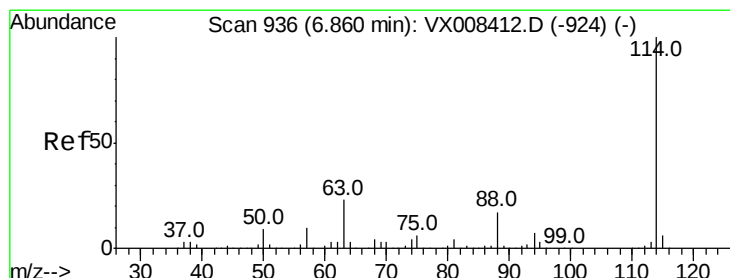
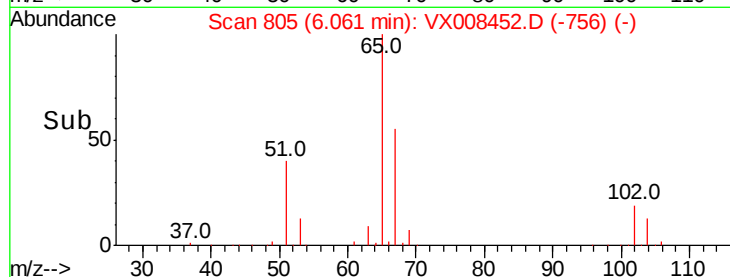
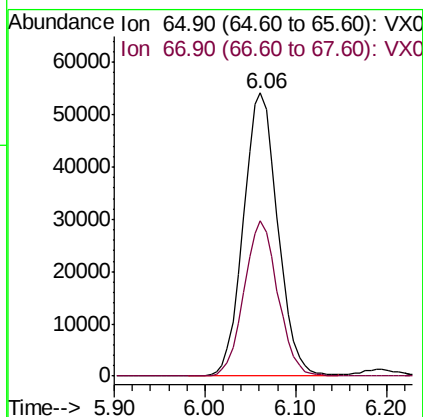
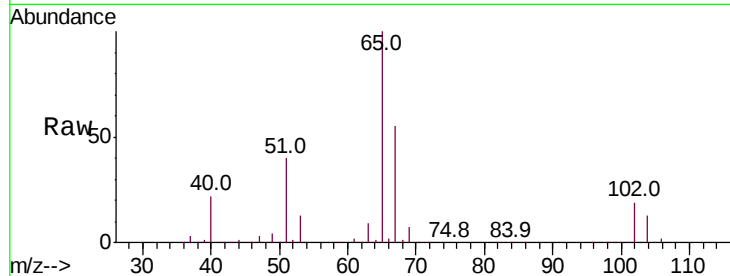
67 53.9 0.0 109.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008452.D

Acq: 26 Mar 2019 13:20

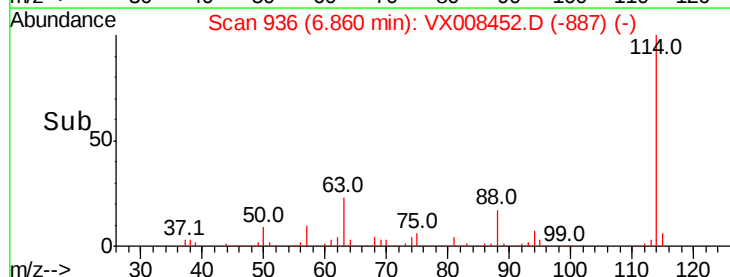
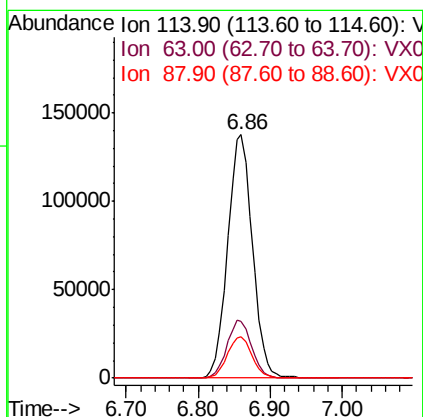
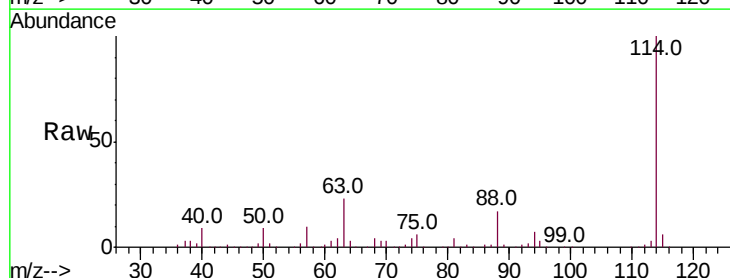
Tgt Ion: 114 Resp: 330138

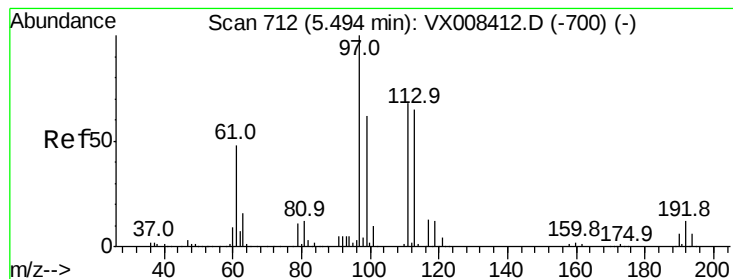
Ion Ratio Lower Upper

114 100

63 23.4 0.0 46.4

88 16.9 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.529 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX008452.D

Acq: 26 Mar 2019 13:20

Instrument :

MSVOA_X

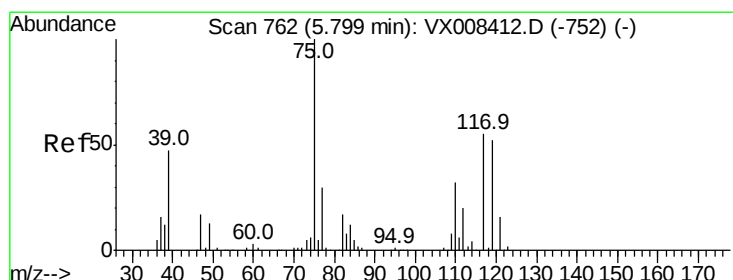
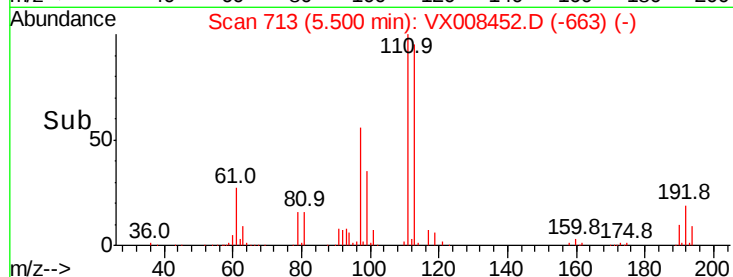
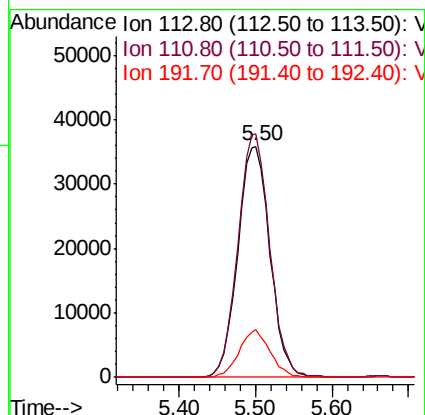
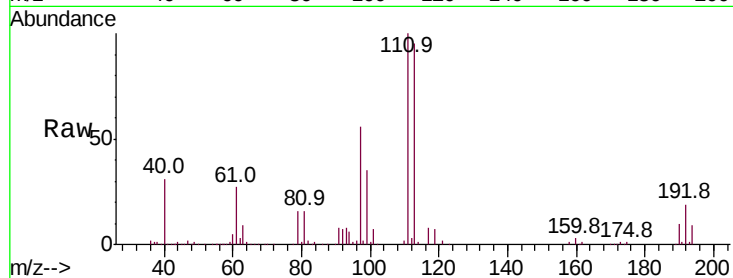
ClientSampleId :

VX0326WBS01

Tot Ion:	113	Resp:	104467
Ion Ratio	Lower	Upper	
113	100		
111	104.3	83.0	124.4
192	19.8	15.6	23.4

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#36

1,1-Dichloropropene

Concen: 17.938 ug/l

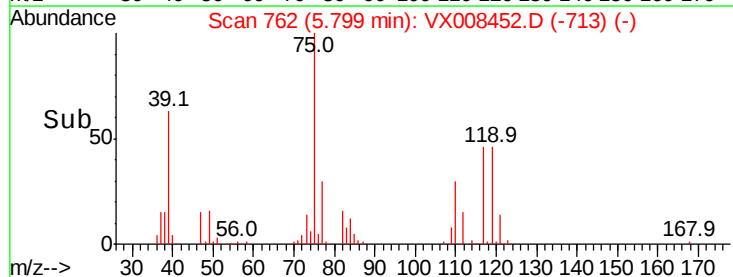
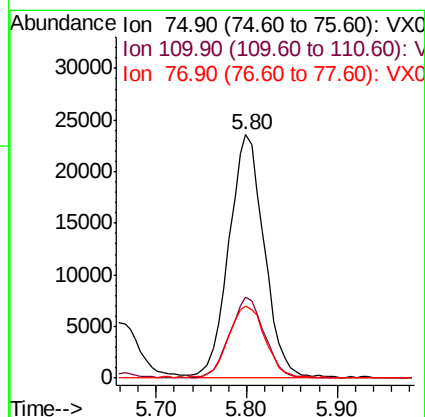
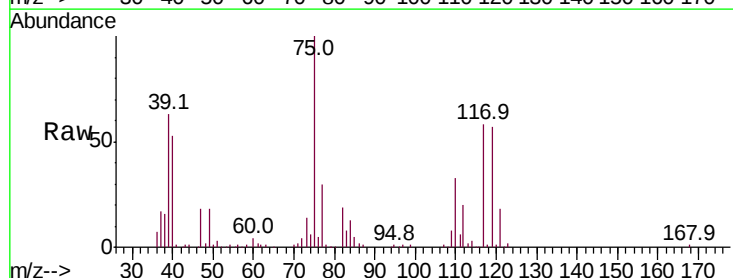
RT: 5.80 min Scan# 762

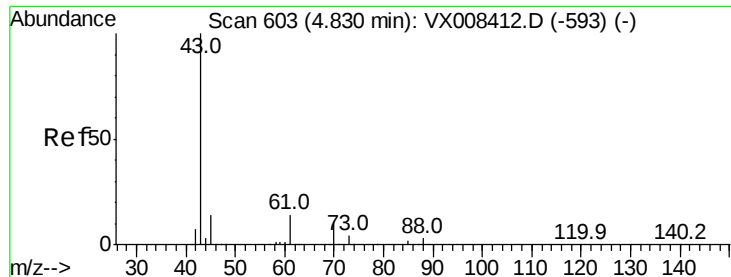
Delta R.T. -0.00 min

Lab File: VX008452.D

Acq: 26 Mar 2019 13:20

Tgt Ion:	75	Resp:	63142
Ion Ratio	Lower	Upper	
75	100		
110	33.1	16.6	49.7
77	31.2	24.2	36.2





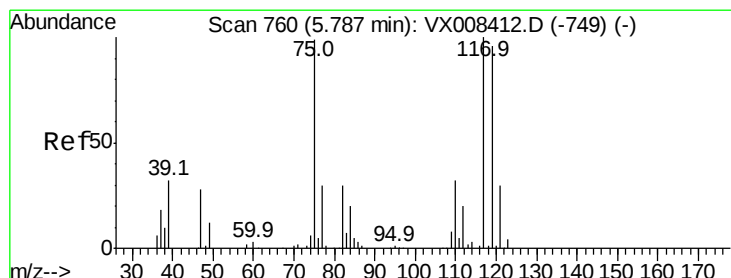
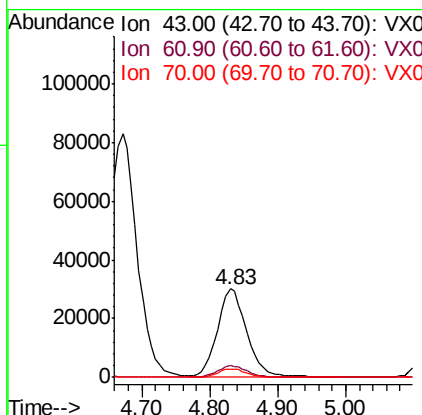
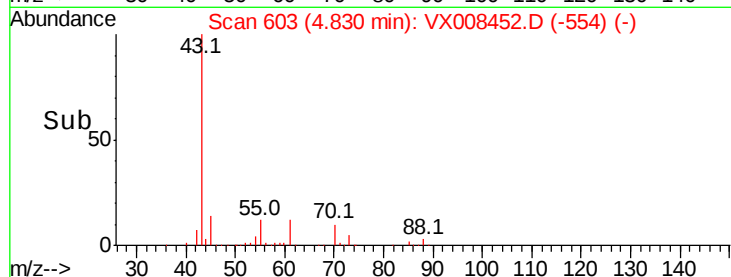
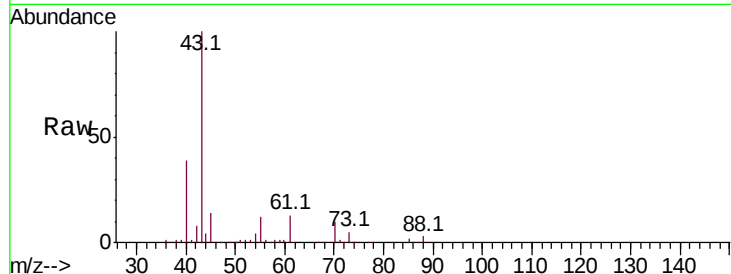
#37
Ethyl Acetate
Concen: 19.677 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.00 min
Lab File: VX008452.D
Acq: 26 Mar 2019 13:20

Instrument :
MSVOA_X
ClientSampleID :
VX0326WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.5	15.7
70	9.7	7.8	11.8

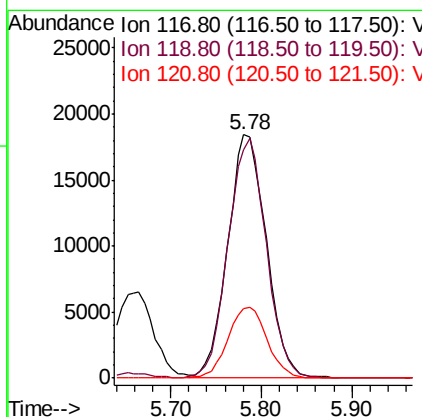
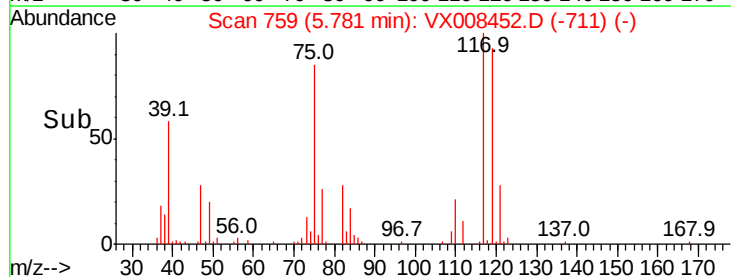
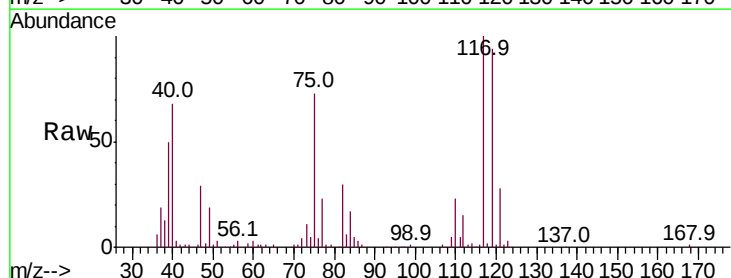
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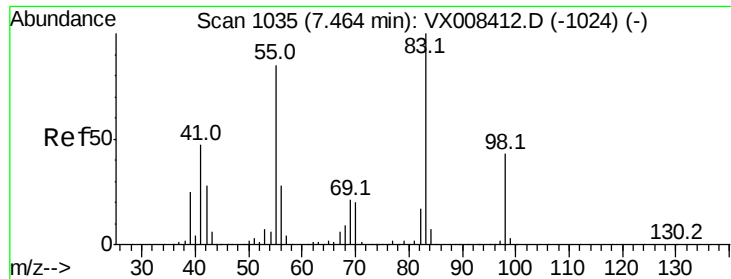
MMDadoda
3/27/2019 10:40:50 AM



#38
Carbon Tetrachloride
Concen: 18.591 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX008452.D
Acq: 26 Mar 2019 13:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	76.7	115.1
121	28.5	24.3	36.5





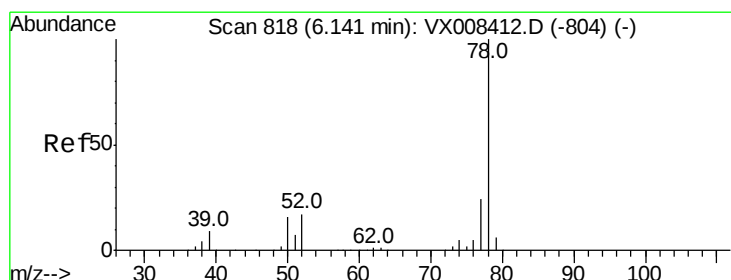
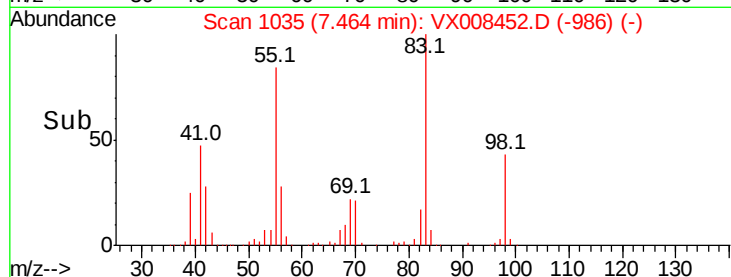
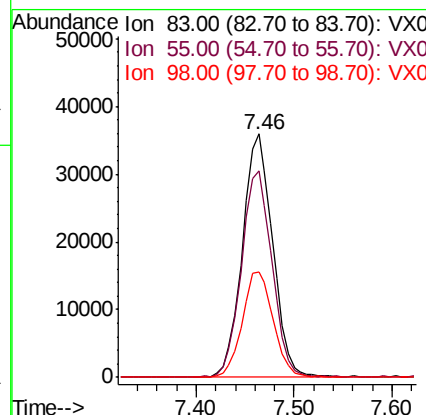
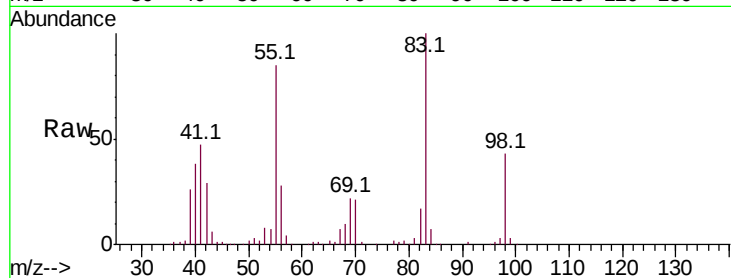
#39
Methvlcvclohexane
Concen: 18.354 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008452.D
Acq: 26 Mar 2019 13:20

Instrument :
MSVOA_X
ClientSampleId :
VX0326WBS01

Tot Ion: 83 Resp: 77210
Ion Ratio Lower Upper
83 100
55 84.5 68.2 102.4
98 43.4 34.2 51.4

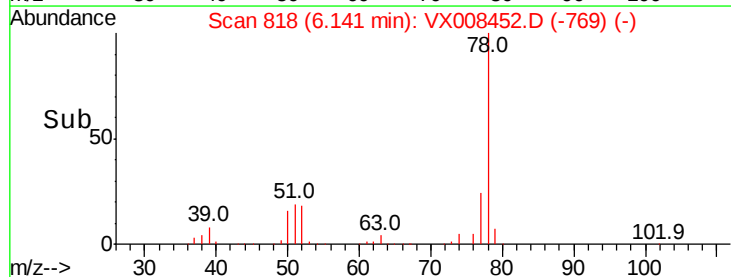
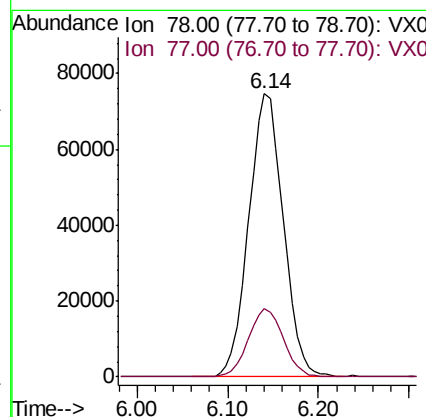
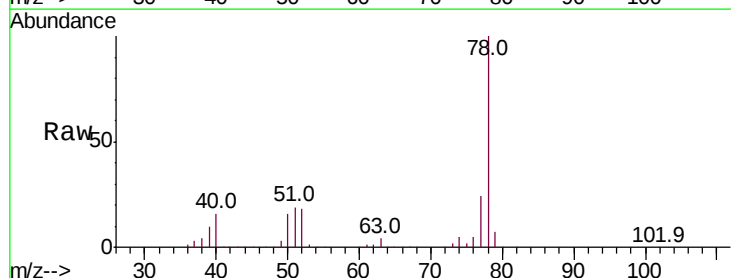
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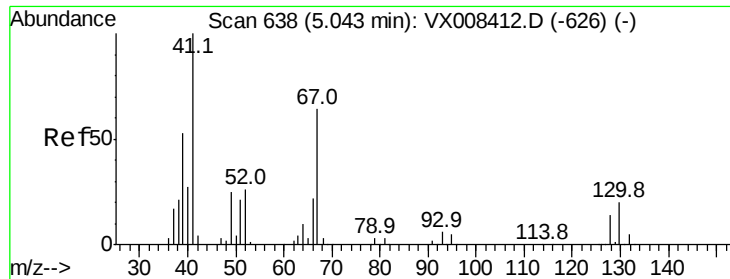
MMDadoda
3/27/2019 10:40:50 AM



#40
Benzene
Concen: 18.707 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX008452.D
Acq: 26 Mar 2019 13:20

Tgt Ion: 78 Resp: 197131
Ion Ratio Lower Upper
78 100
77 24.2 19.3 28.9





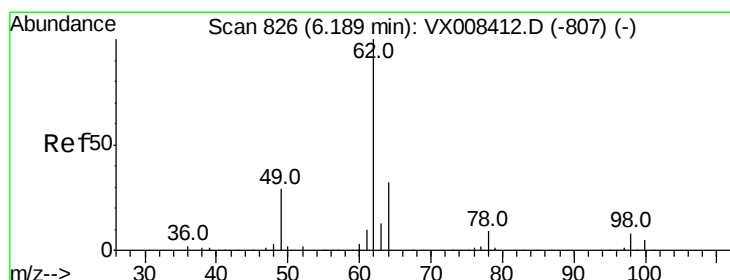
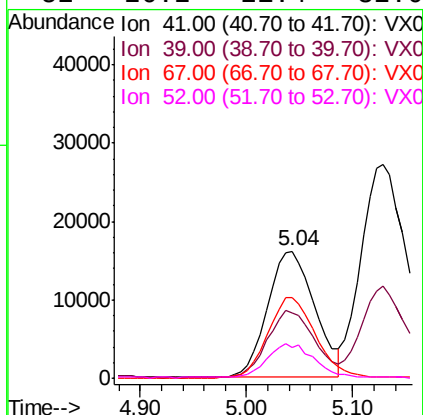
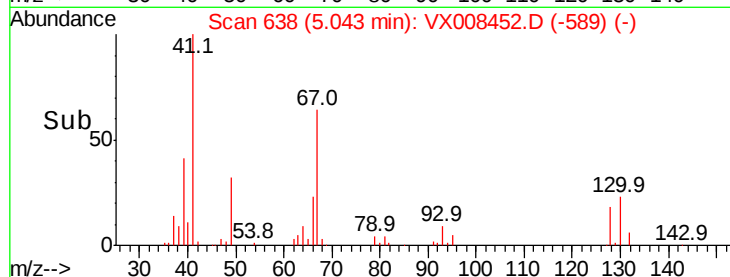
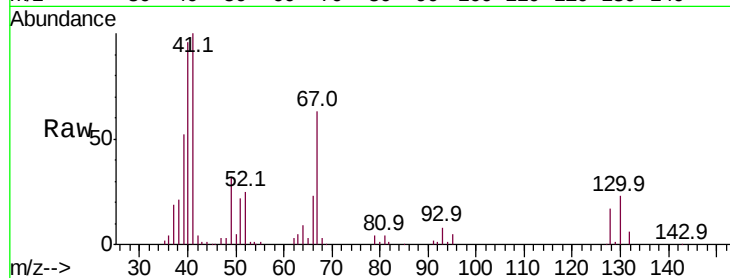
#41
Methacrylonitrile
Concen: 19.383 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX008452.D
Acq: 26 Mar 2019 13:20

Instrument :
MSVOA_X
ClientSampleId :
VX0326WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.7	42.6	64.0	
67	65.0	52.2	78.4	
52	26.2	21.4	32.0	

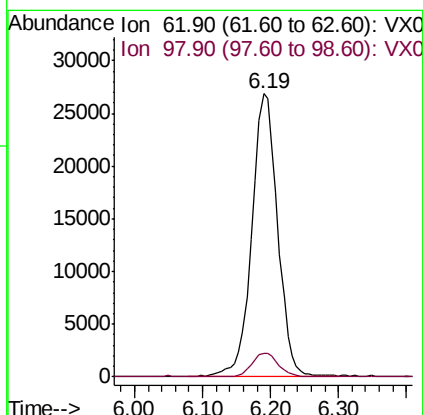
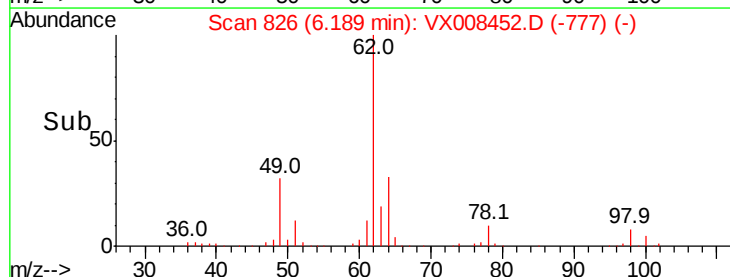
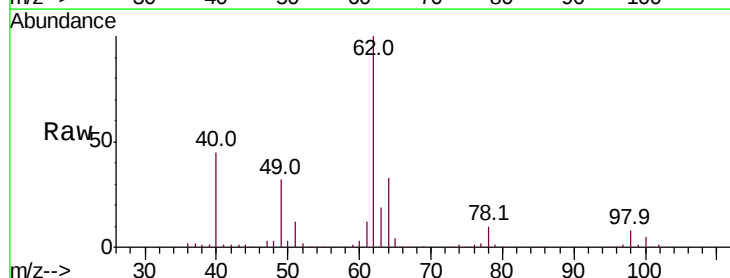
Manual Integrations
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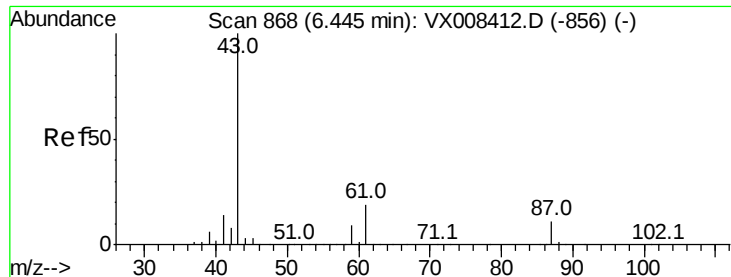
MMDadoda
3/27/2019 10:40:50 AM



#42
1,2-Dichloroethane
Concen: 18.398 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX008452.D
Acq: 26 Mar 2019 13:20

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	0.0	17.6	





#43

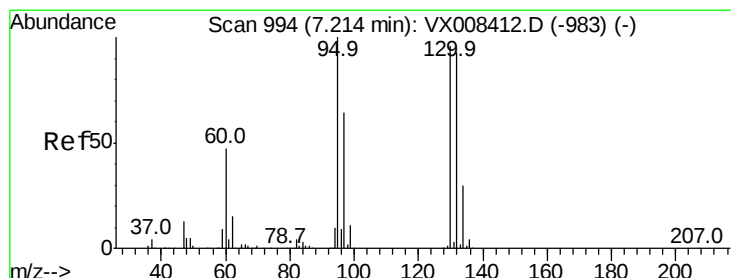
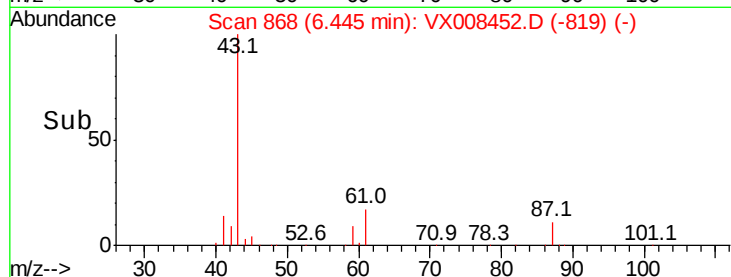
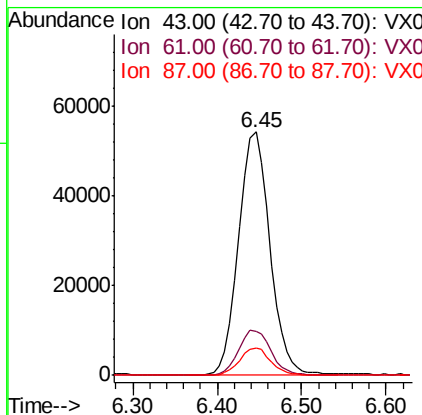
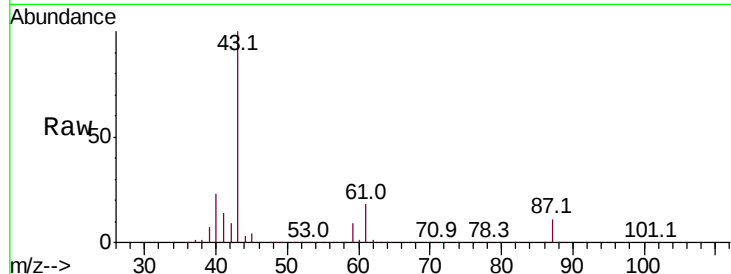
Isopropyl Acetate
 Concen: 18.632 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX008452.D
 Acq: 26 Mar 2019 13:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0326WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.4	23.2
87	11.3	9.1	13.7

Manual Integrations
 APPROVED

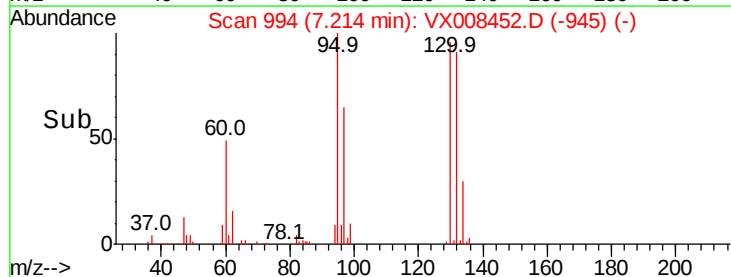
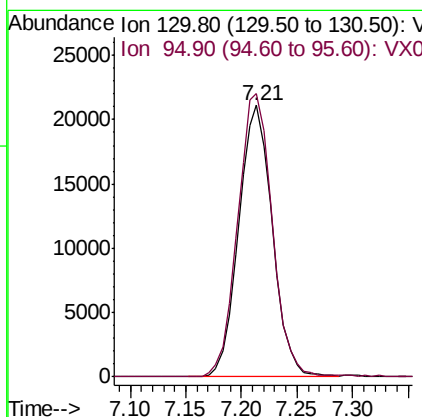
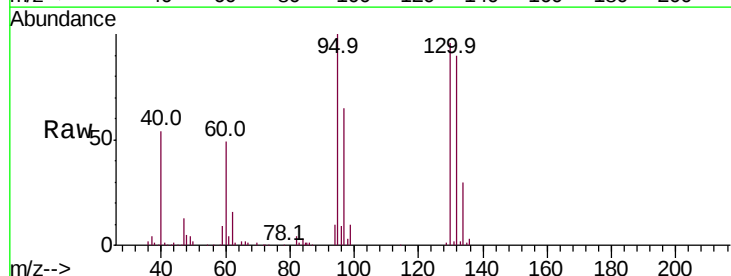
MMDadoda
 3/27/2019 10:40:50 AM

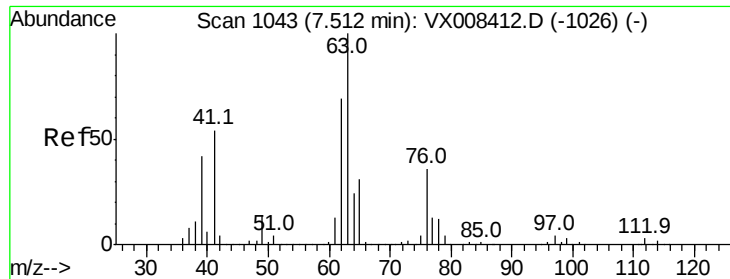


#44

Trichloroethene
 Concen: 17.924 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX008452.D
 Acq: 26 Mar 2019 13:20

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.3	0.0	208.8





#45

1,2-Dichloropropane

Concen: 18.926 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX008452.D

Acq: 26 Mar 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

VX0326WBS01

Tot Ion: 63 Resp: 56690

Ion Ratio Lower Upper

63 100

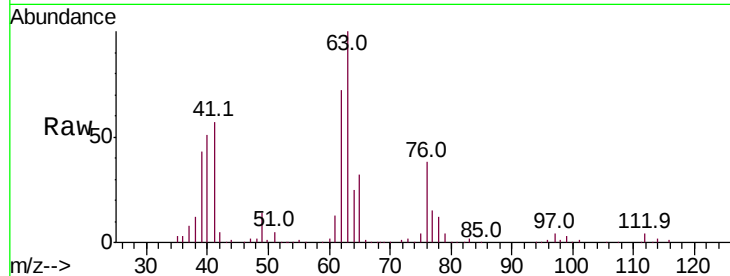
65 32.3 25.1 37.7

Manual Integrations

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MMDadoda

3/27/2019 10:40:50 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

25000

20000

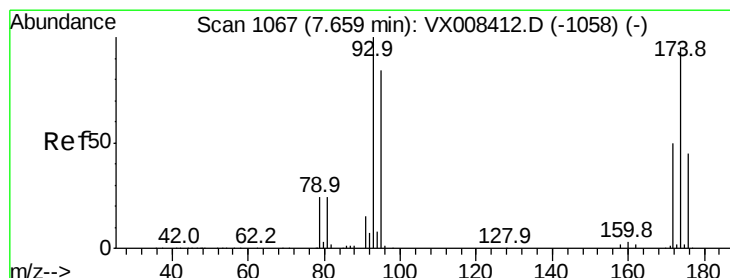
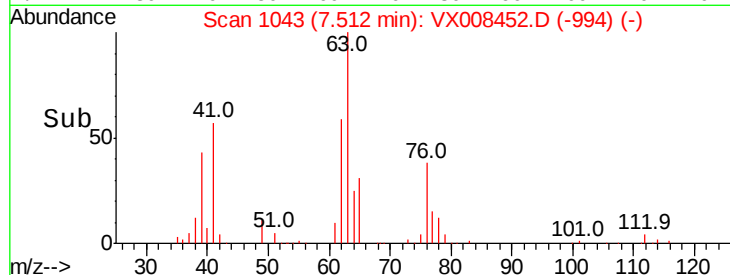
15000

10000

5000

0

Time-->



#46

Dibromomethane

Concen: 18.619 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX008452.D

Acq: 26 Mar 2019 13:20

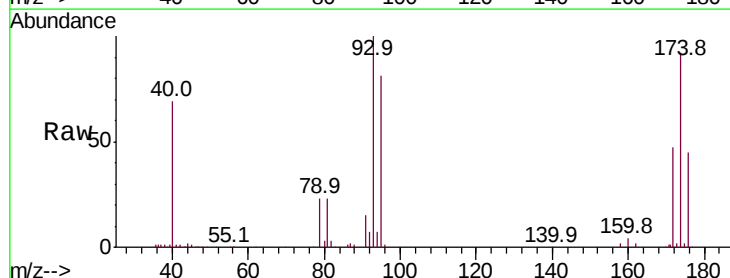
Tgt Ion: 93 Resp: 32566

Ion Ratio Lower Upper

93 100

95 83.3 67.0 100.6

174 94.0 76.0 114.0



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

20000

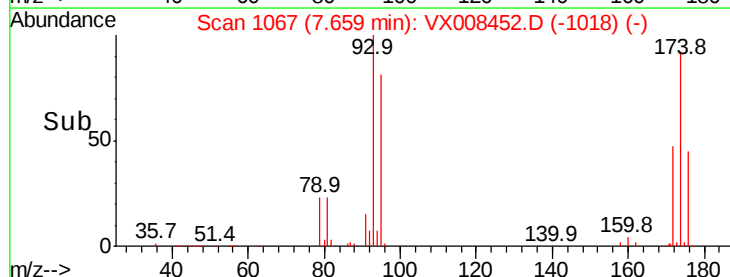
15000

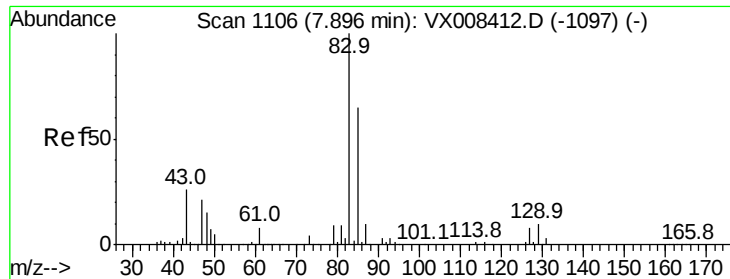
10000

5000

0

Time-->





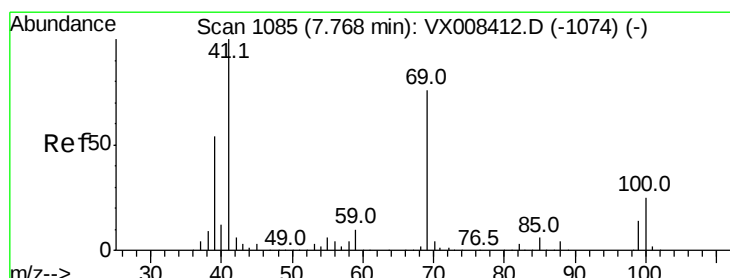
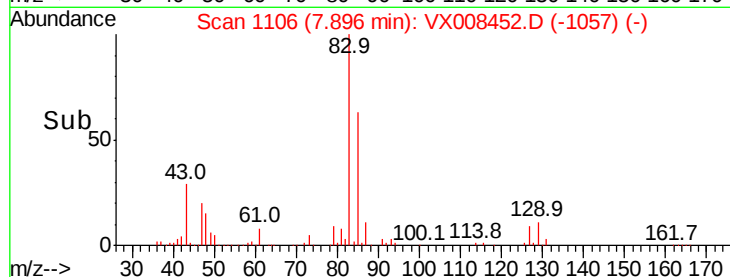
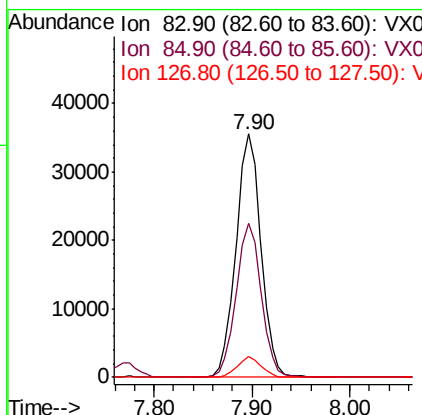
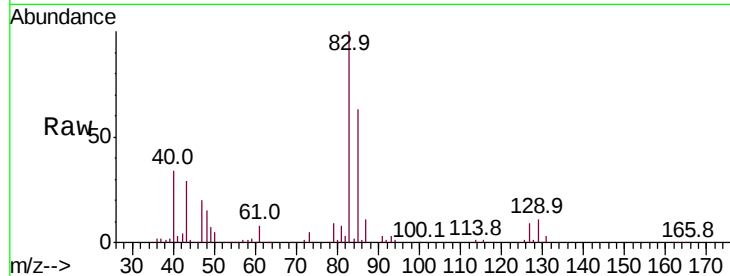
#47
Bromodichloromethane
Concen: 18.910 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX008452.D
Acq: 26 Mar 2019 13:20

Instrument :
MSVOA_X
ClientSampleId :
VX0326WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.0	78.0
127	8.7	6.4	9.6

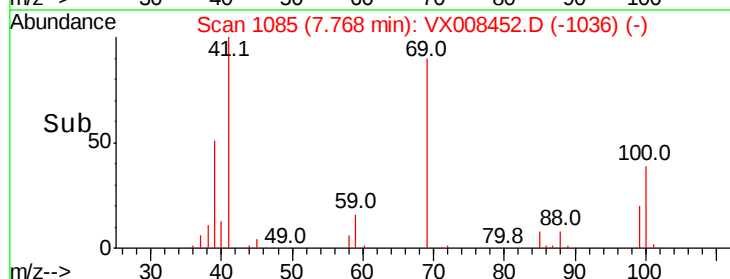
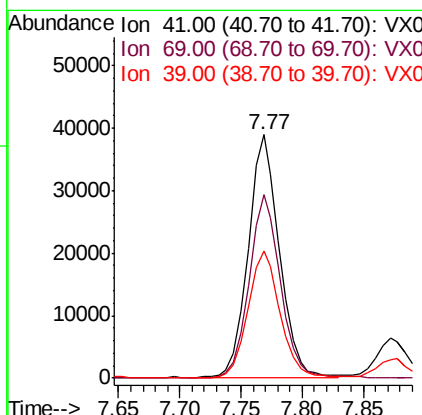
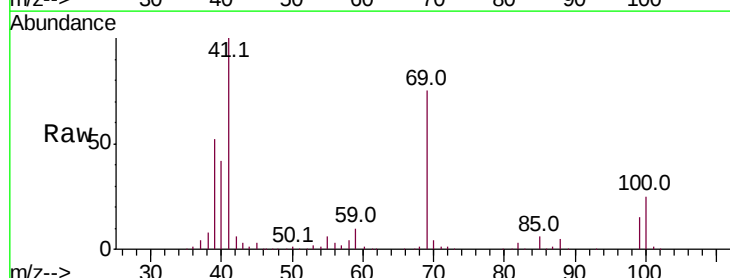
Manual Integrations
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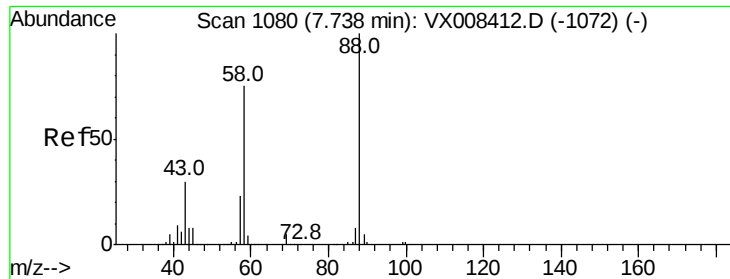
MMDadoda
3/27/2019 10:40:50 AM



#48
Methyl methacrylate
Concen: 18.927 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VX008452.D
Acq: 26 Mar 2019 13:20

Tgt Ion	Ratio	Lower	Upper
41	100		
69	76.2	60.8	91.2
39	53.3	42.3	63.5





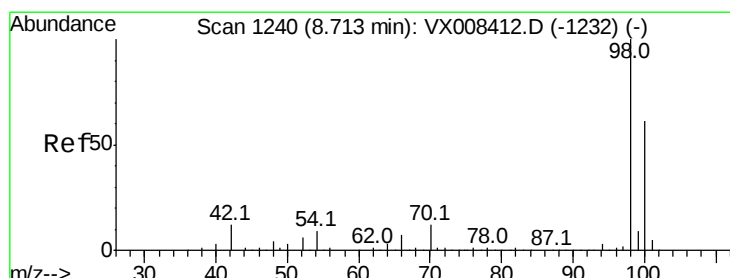
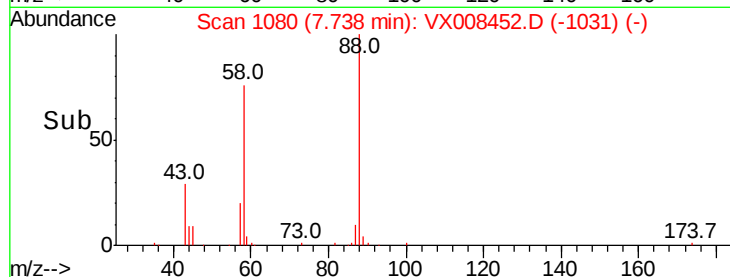
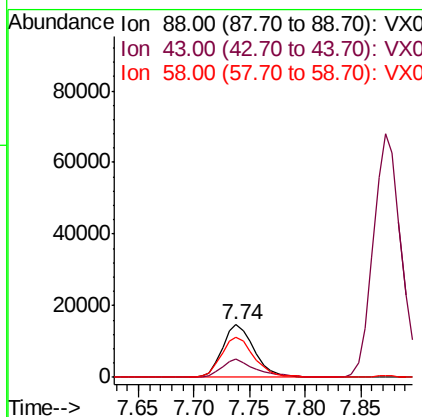
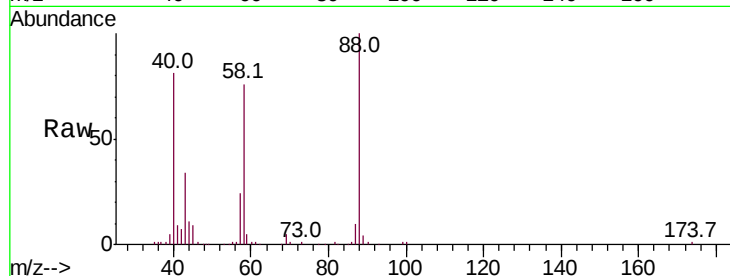
#49
1,4-Dioxane
Concen: 402.433 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX008452.D
Acq: 26 Mar 2019 13:20

Instrument :
MSVOA_X
ClientSampleId :
VX0326WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.4	28.6	43.0
58	79.1	63.0	94.4

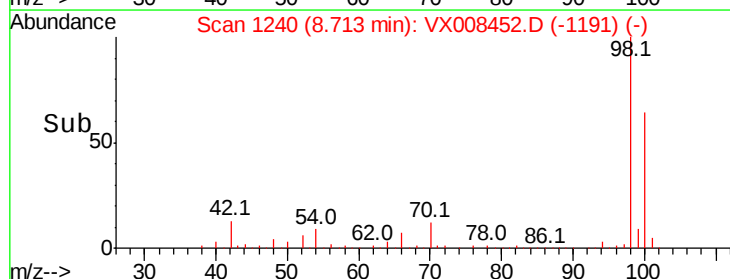
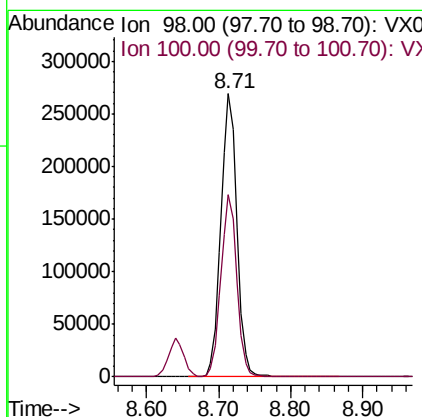
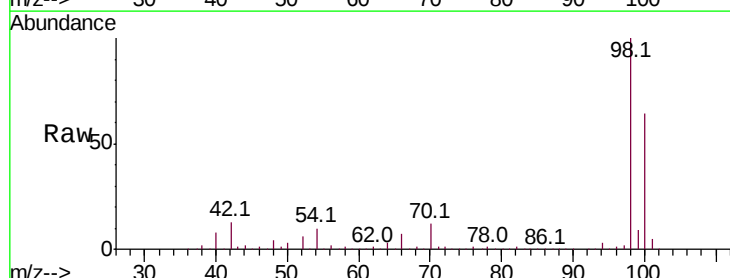
Manual Integrations
APPROVED

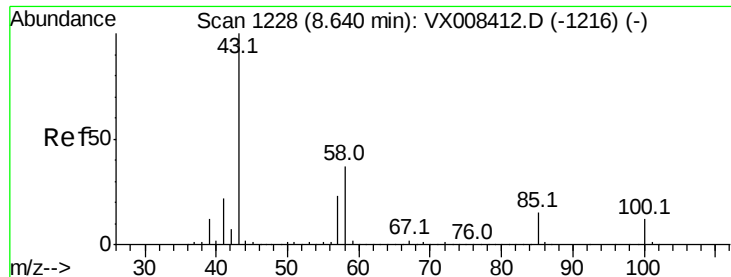
MMDadoda
3/27/2019 10:40:50 AM



#50
Toluene-d8
Concen: 48.302 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008452.D
Acq: 26 Mar 2019 13:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 96.584 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX008452.D

Acq: 26 Mar 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

VX0326WBS01

Tot Ion: 43 Resp: 457560

Ion Ratio Lower Upper

43 100

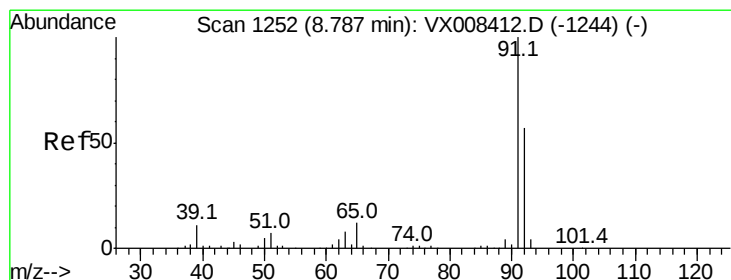
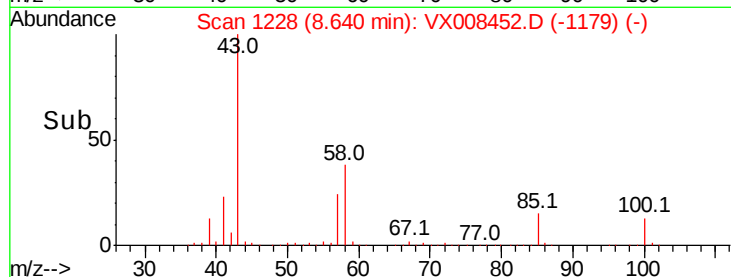
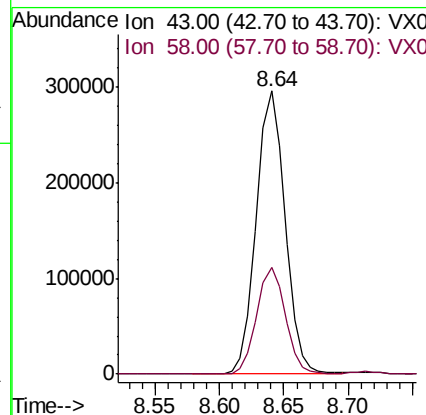
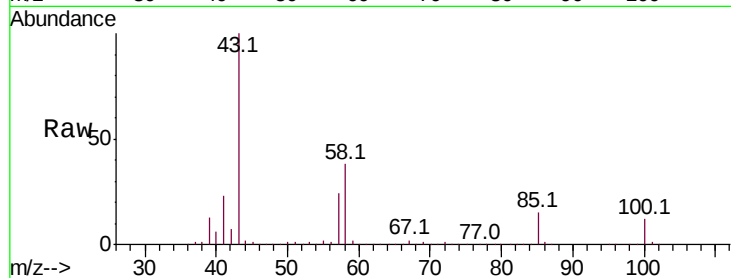
58 37.5 29.8 44.8

Manual Integrations

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MMDadoda

3/27/2019 10:40:50 AM



#52

Toluene

Concen: 18.880 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008452.D

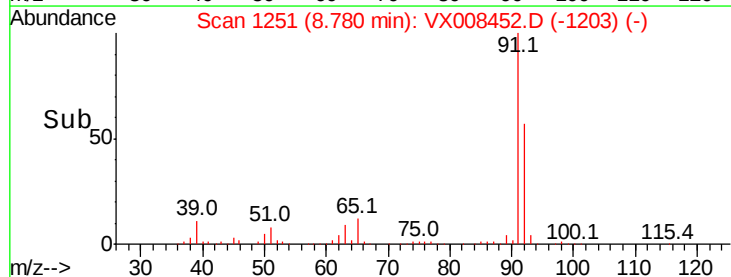
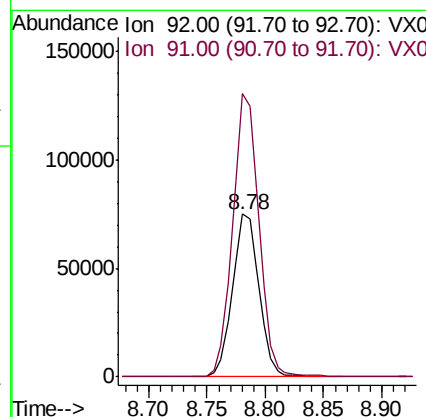
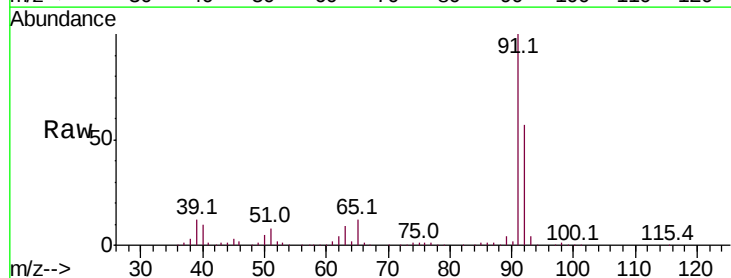
Acq: 26 Mar 2019 13:20

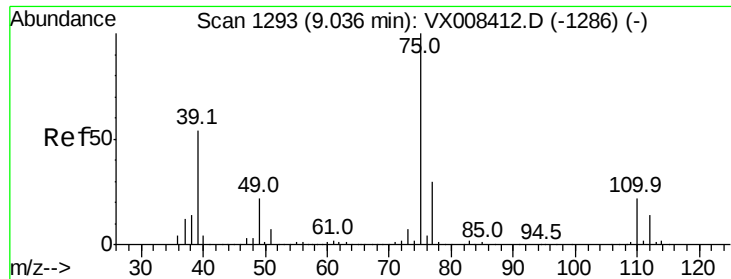
Tgt Ion: 92 Resp: 118962

Ion Ratio Lower Upper

92 100

91 172.9 140.2 210.4





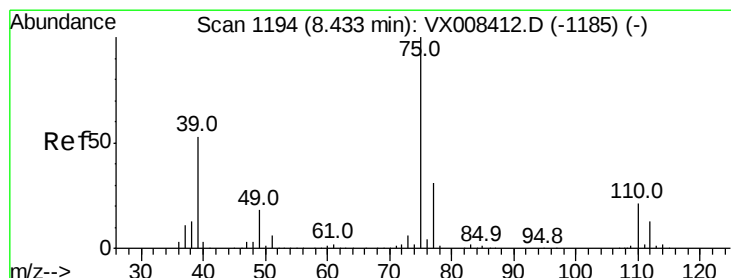
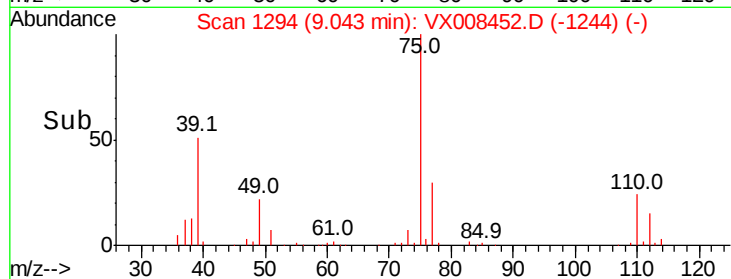
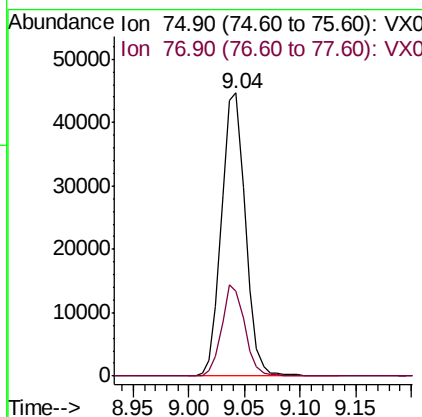
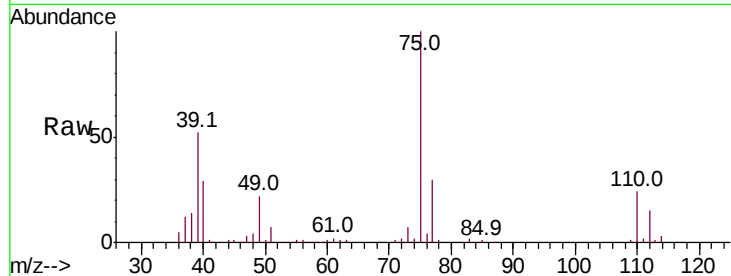
#53
 t-1,3-Dichloropropene
 Concen: 18.168 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.01 min
 Lab File: VX008452.D
 Acq: 26 Mar 2019 13:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0326WBS01

Tot Ion: 75 Resp: 66624
 Ion Ratio Lower Upper
 75 100
 77 30.1 24.3 36.5

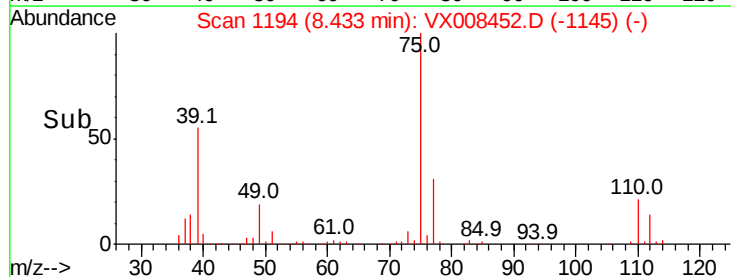
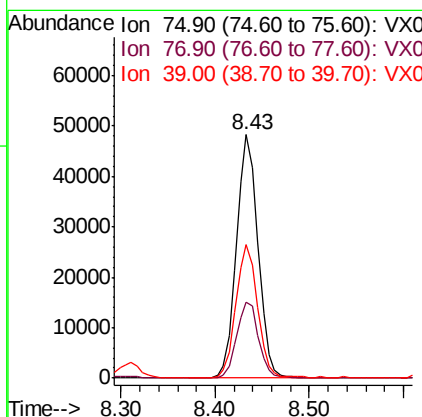
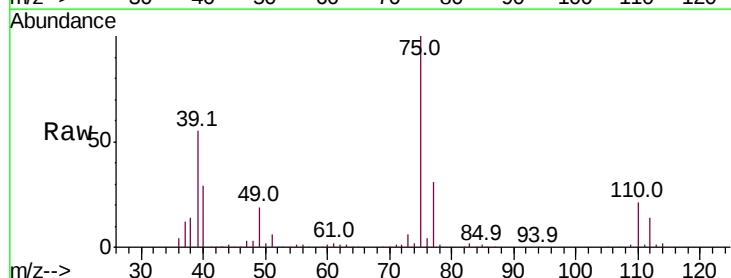
Manual Integrations
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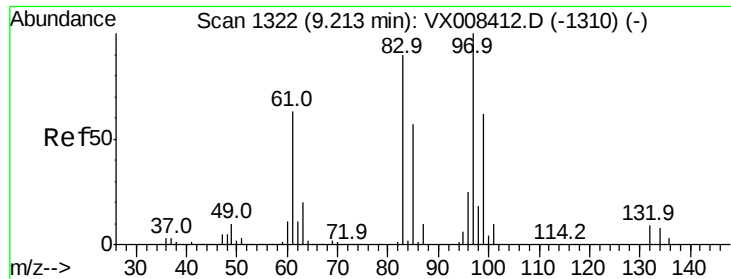
MMDadoda
 3/27/2019 10:40:50 AM



#54
 cis-1,3-Dichloropropene
 Concen: 18.401 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX008452.D
 Acq: 26 Mar 2019 13:20

Tgt Ion: 75 Resp: 76728
 Ion Ratio Lower Upper
 75 100
 77 31.1 24.7 37.1
 39 54.5 42.4 63.6





#55

1,1,2-Trichloroethane

Concen: 18.878 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX008452.D

Acq: 26 Mar 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

VX0326WBS01

Tot Ion: 97 Resp: 48420

Ion Ratio Lower Upper

97 100

83 87.2 71.8 107.6

85 56.7 45.9 68.9

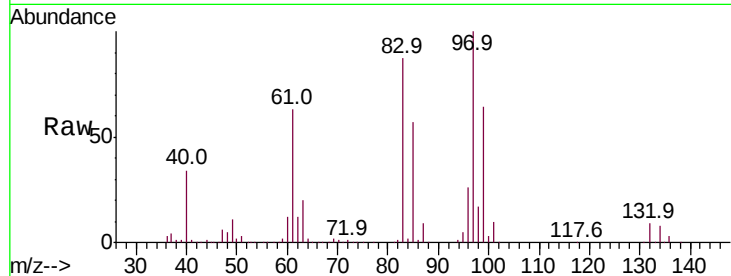
99 64.2 49.4 74.0

Manual Integrations

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MMDadoda

3/27/2019 10:40:50 AM



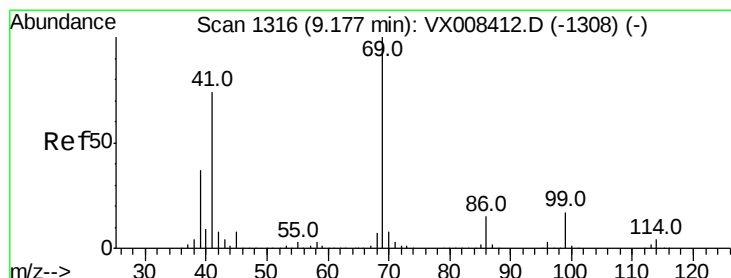
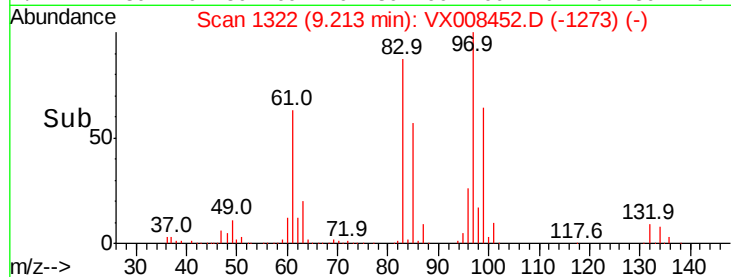
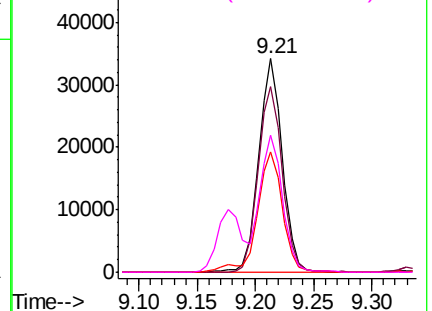
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 18.908 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX008452.D

Acq: 26 Mar 2019 13:20

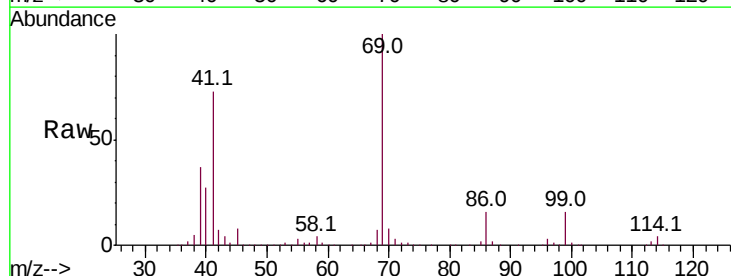
Tgt Ion: 69 Resp: 87541

Ion Ratio Lower Upper

69 100

41 73.9 59.5 89.3

39 37.0 29.3 43.9

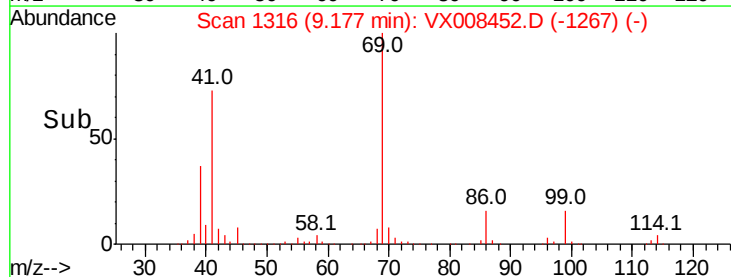
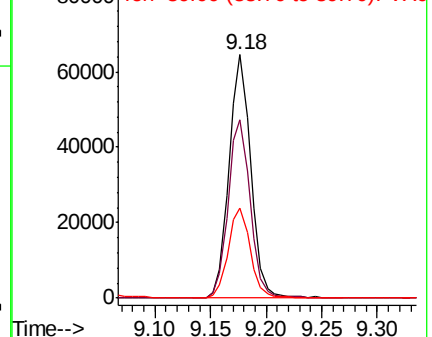


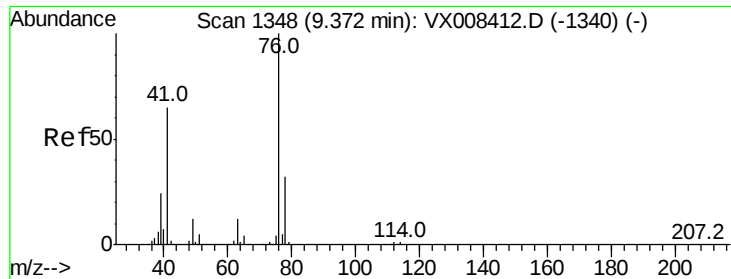
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 18.803 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX008452.D

Acq: 26 Mar 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

VX0326WBS01

Tot Ion: 76 Resp: 86469

Ion Ratio Lower Upper

76 100

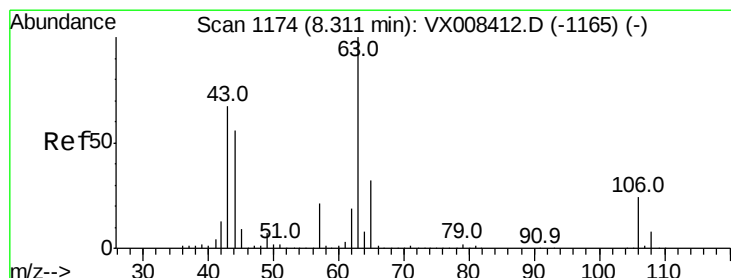
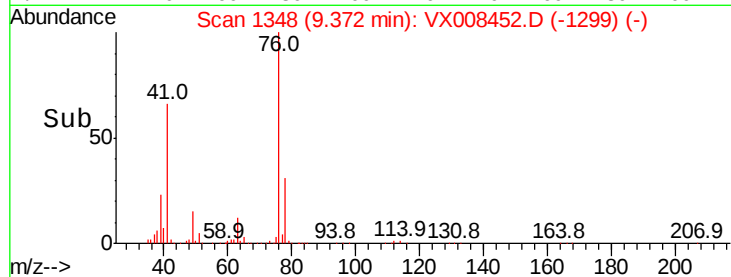
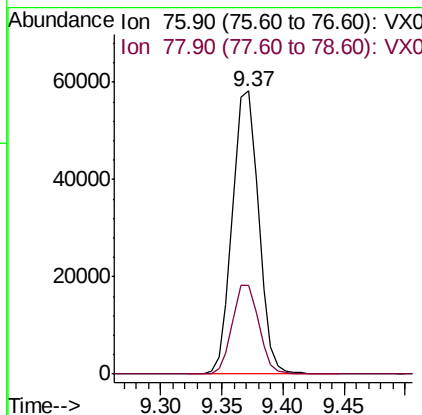
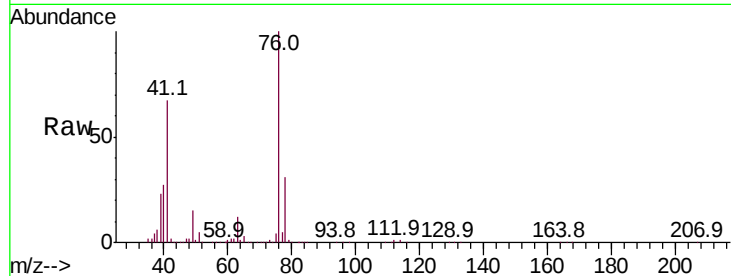
78 31.9 25.8 38.8

Manual Integrations

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MMDadoda

3/27/2019 10:40:50 AM



#58

2-Chloroethyl Vinyl ether

Concen: 92.775 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX008452.D

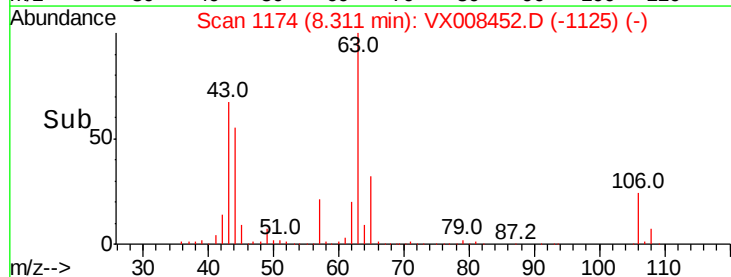
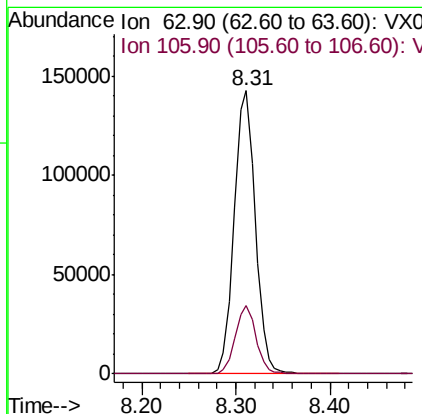
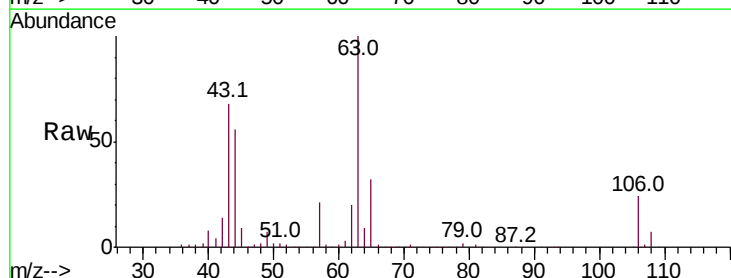
Acq: 26 Mar 2019 13:20

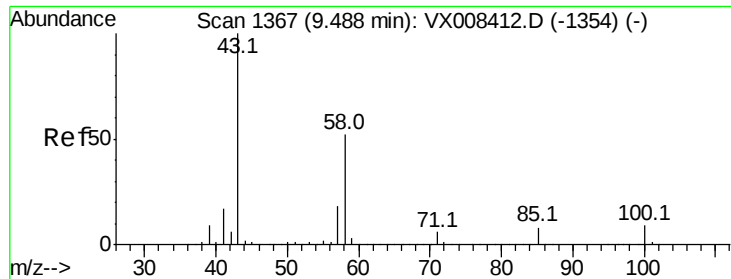
Tgt Ion: 63 Resp: 222035

Ion Ratio Lower Upper

63 100

106 23.9 19.0 28.6





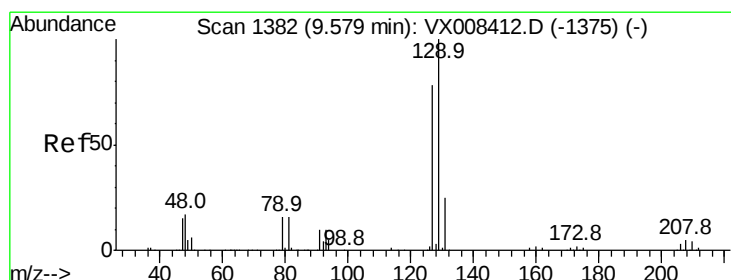
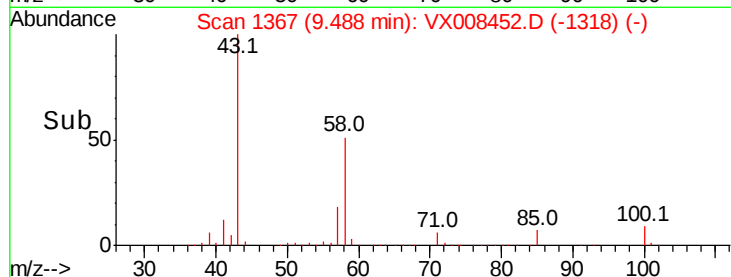
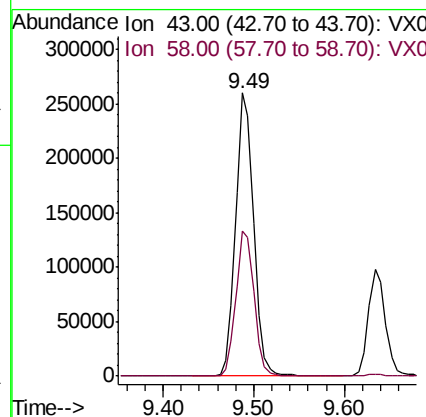
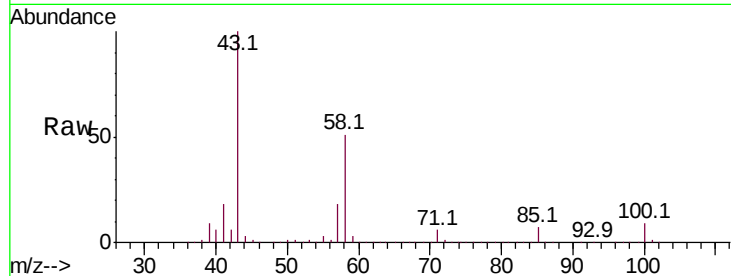
#59
2-Hexanone
Concen: 97.655 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX008452.D
Acq: 26 Mar 2019 13:20

Instrument :
MSVOA_X
ClientSampleId :
VX0326WBS01

Tot Ion: 43 Resp: 358477
Ion Ratio Lower Upper
43 100
58 52.1 26.3 78.9

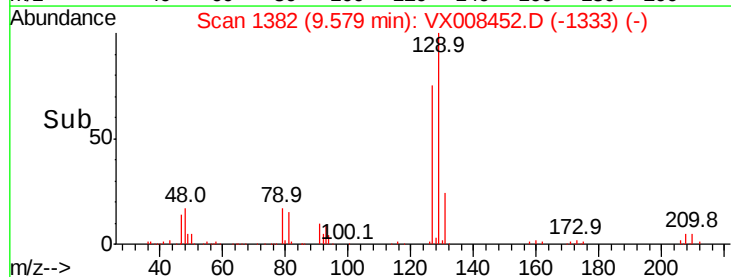
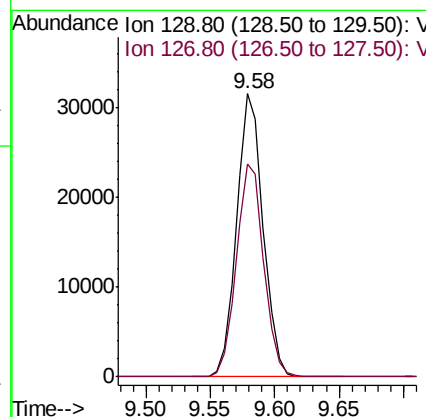
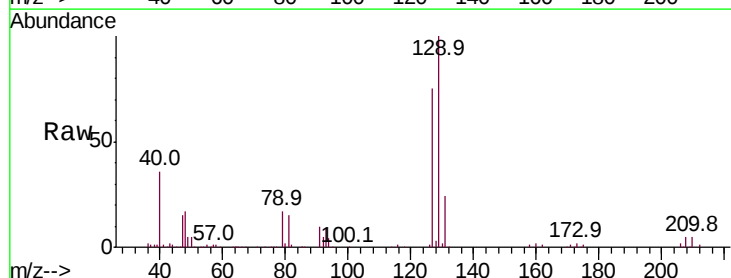
Manual Integrations
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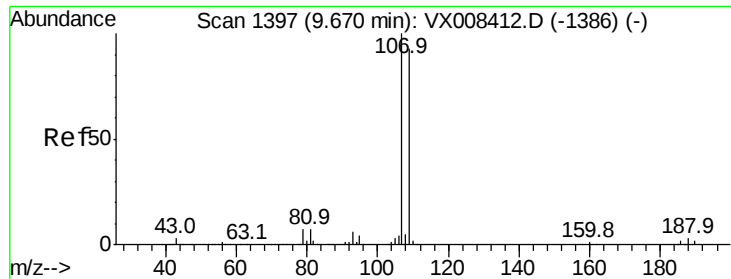
MMDadoda
3/27/2019 10:40:50 AM



#60
Dibromochloromethane
Concen: 18.492 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX008452.D
Acq: 26 Mar 2019 13:20

Tgt Ion: 129 Resp: 45108
Ion Ratio Lower Upper
129 100
127 77.7 38.1 114.3





#61

1,2-Dibromoethane

Concen: 19.015 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008452.D

Acq: 26 Mar 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

VX0326WBS01

Tot Ion:107 Resp: 49773

Ion Ratio Lower Upper

107 100

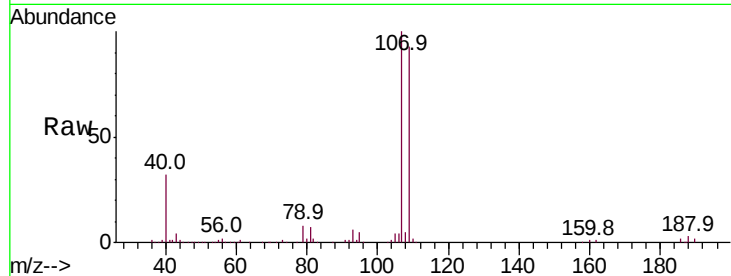
109 93.2 74.6 111.8

Manual Integrations

APPROVED

MMDadoda

3/27/2019 10:40:50 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

40000

30000

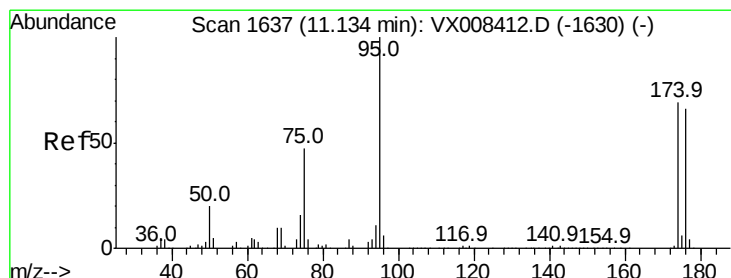
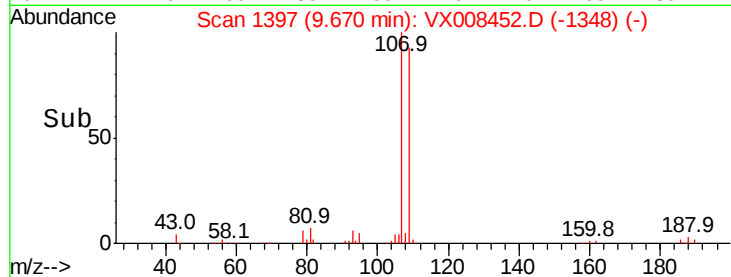
20000

10000

0

9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 47.434 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008452.D

Acq: 26 Mar 2019 13:20

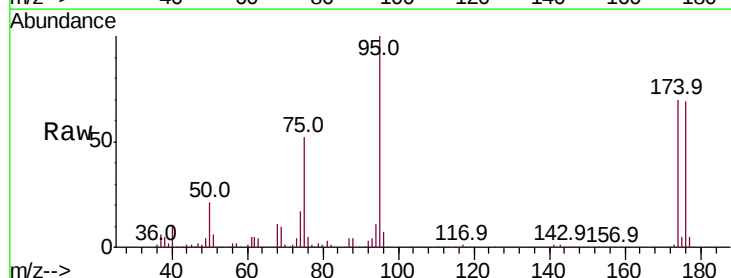
Tgt Ion: 95 Resp: 151297

Ion Ratio Lower Upper

95 100

174 73.6 0.0 147.2

176 72.1 0.0 142.4



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

150000

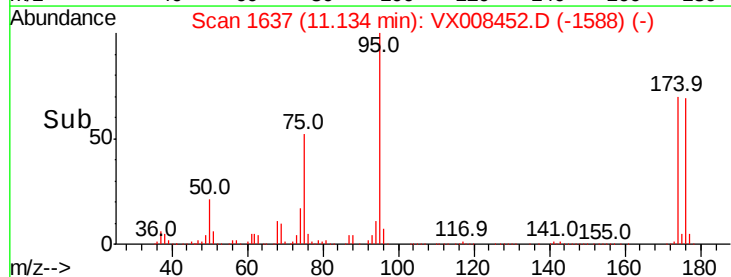
100000

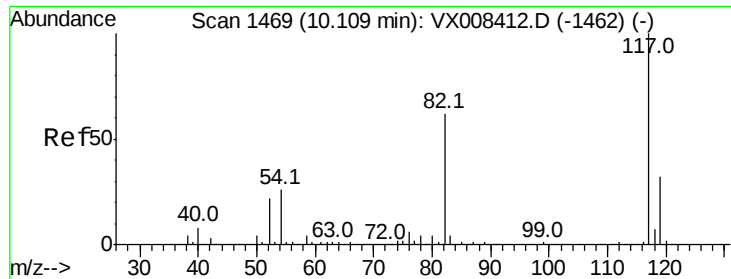
50000

0

11.10 11.20

Time-->





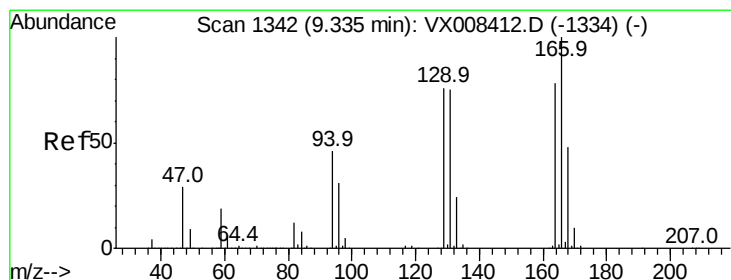
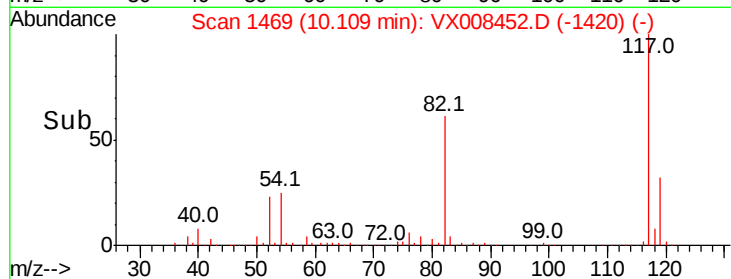
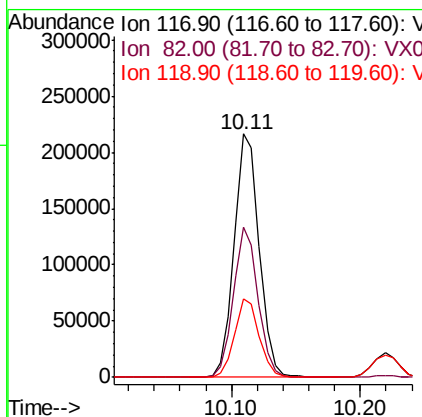
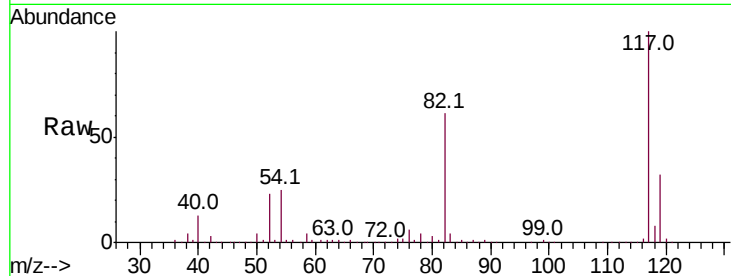
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008452.D
Acq: 26 Mar 2019 13:20

Instrument :
MSVOA_X
ClientSampleId :
VX0326WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.4	49.4	74.2
119	32.0	25.4	38.0

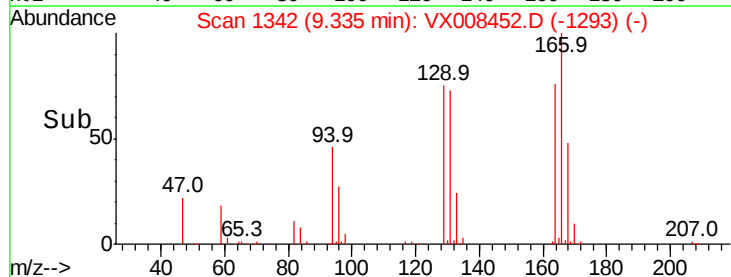
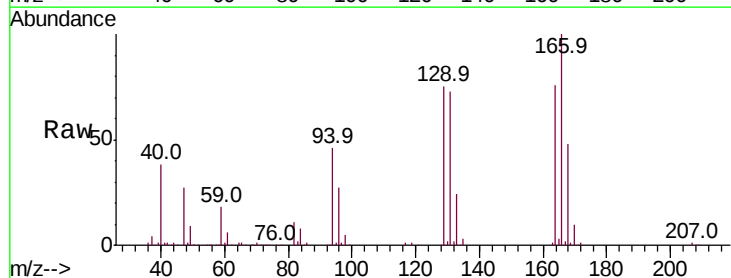
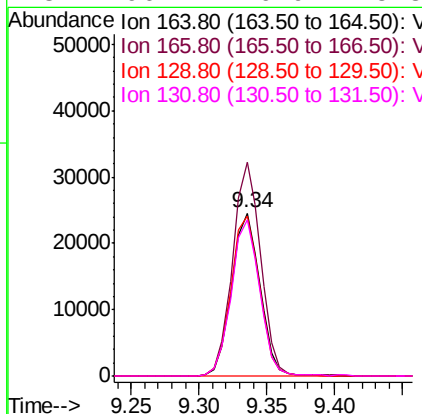
Manual Integrations
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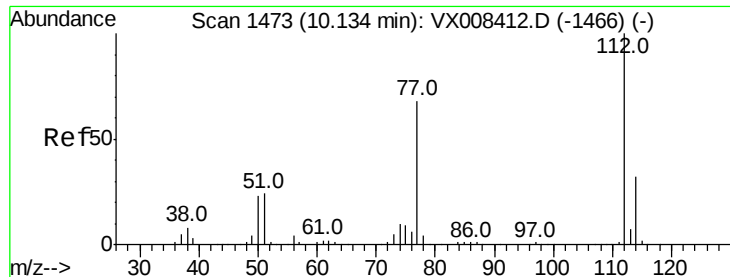
MMDadoda
3/27/2019 10:40:50 AM



#64
Tetrachloroethene
Concen: 18.023 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008452.D
Acq: 26 Mar 2019 13:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.2	102.5	153.7
129	98.0	77.8	116.8
131	96.2	76.9	115.3





#65

Chlorobenzene

Concen: 18.856 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX008452.D

Acq: 26 Mar 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

VX0326WBS01

Tot Ion:112 Resp: 120376

Ion Ratio Lower Upper

112 100

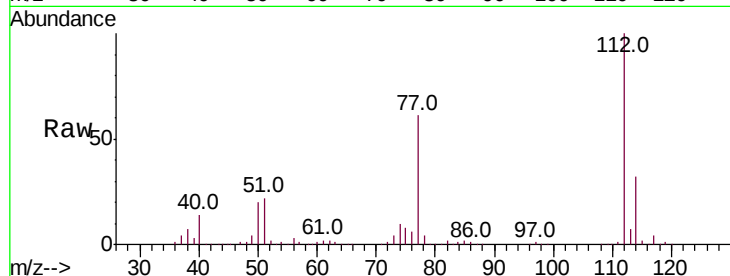
114 32.1 25.4 38.2

Manual Integrations

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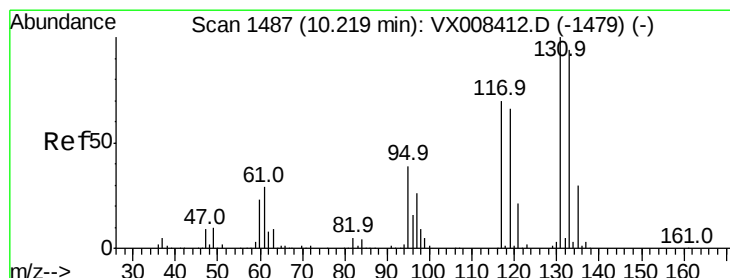
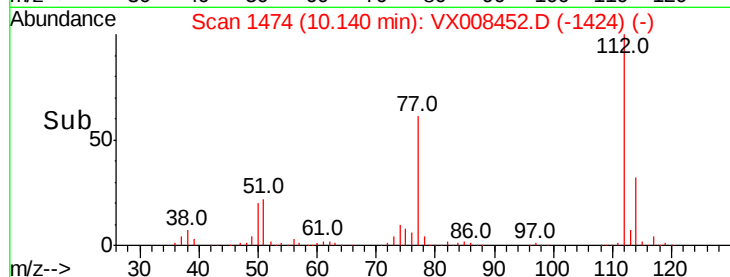
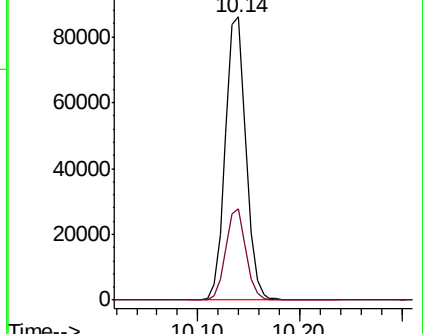
MMDadoda

3/27/2019 10:40:50 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.867 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX008452.D

Acq: 26 Mar 2019 13:20

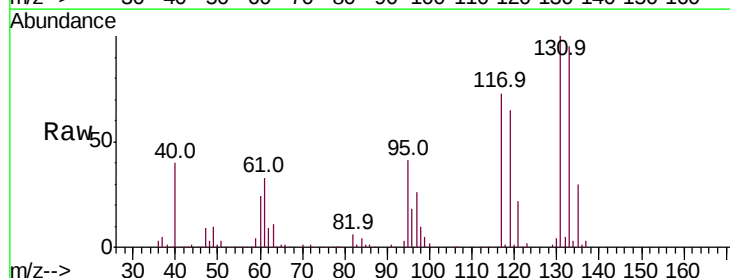
Tgt Ion:131 Resp: 41556

Ion Ratio Lower Upper

131 100

133 96.0 47.3 141.8

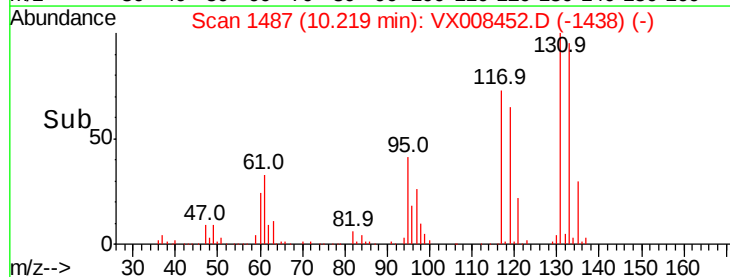
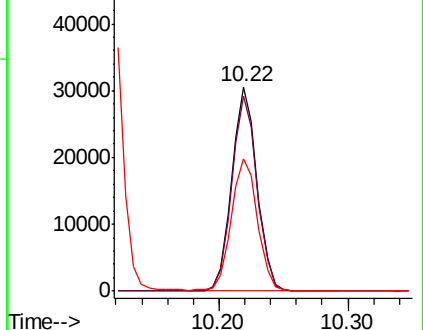
119 68.2 33.6 100.6

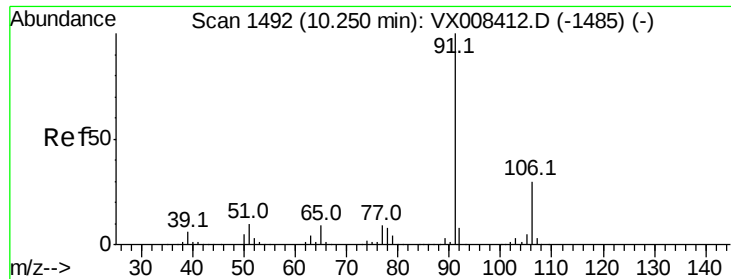


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 18.862 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX008452.D

Acq: 26 Mar 2019 13:20

Instrument :

MSVOA_X

ClientSampled :

VX0326WBS01

Tot Ion: 91 Resp: 227257

Ion Ratio Lower Upper

91 100

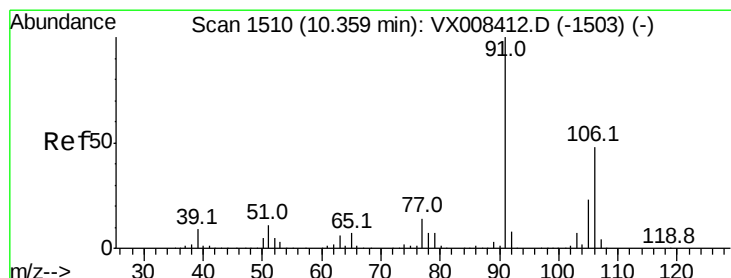
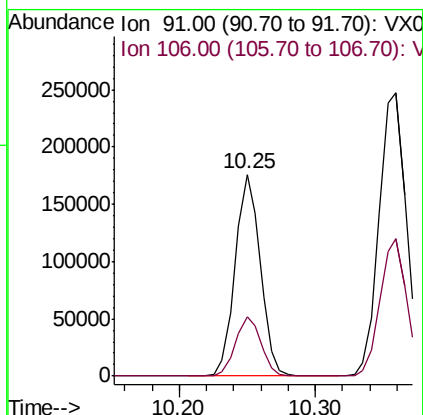
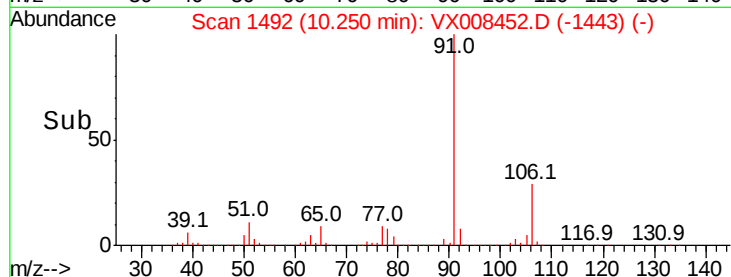
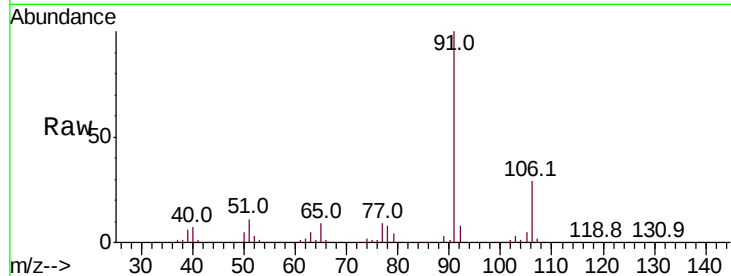
106 29.3 24.0 36.0

Manual Integrations

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3/27/2019 10:40:50 AM



#68

m/p-Xylenes

Concen: 37.252 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX008452.D

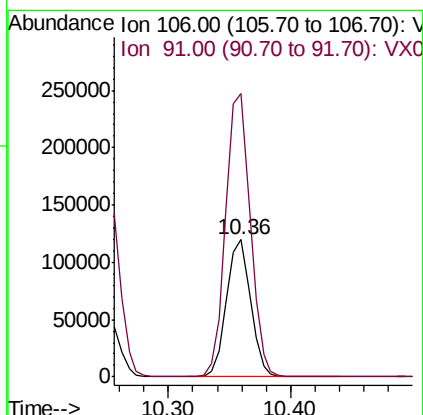
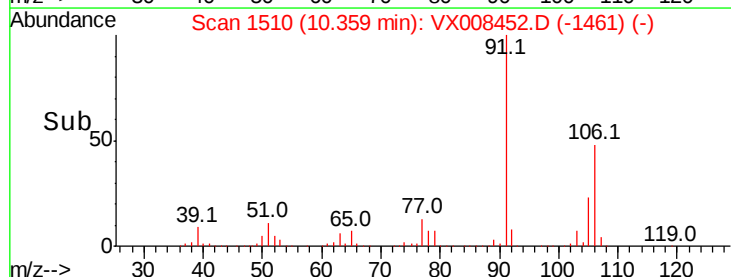
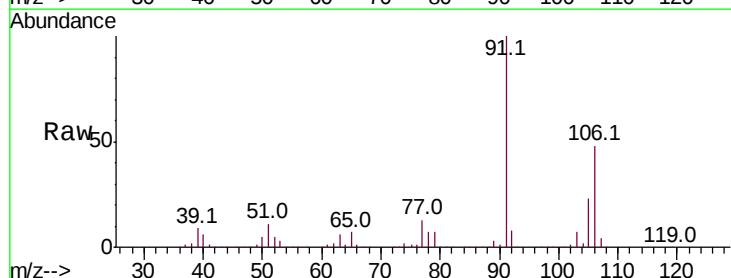
Acq: 26 Mar 2019 13:20

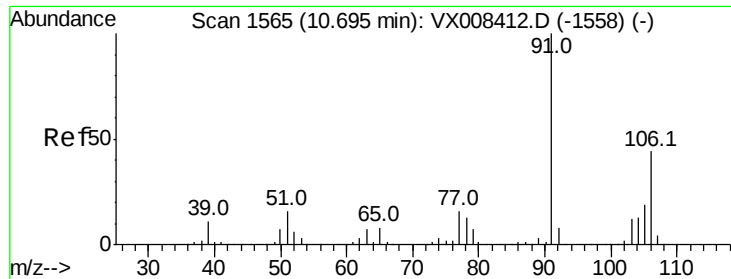
Tgt Ion: 106 Resp: 163284

Ion Ratio Lower Upper

106 100

91 211.6 168.6 253.0





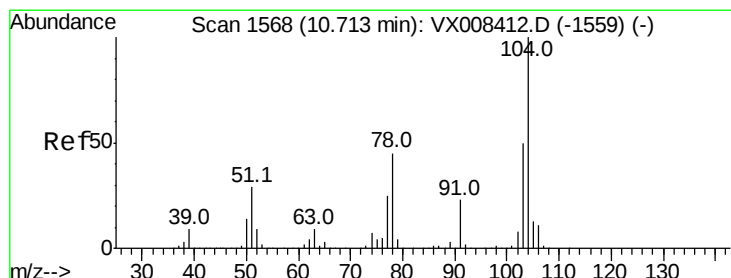
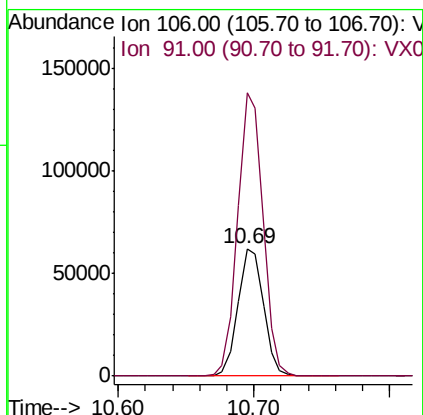
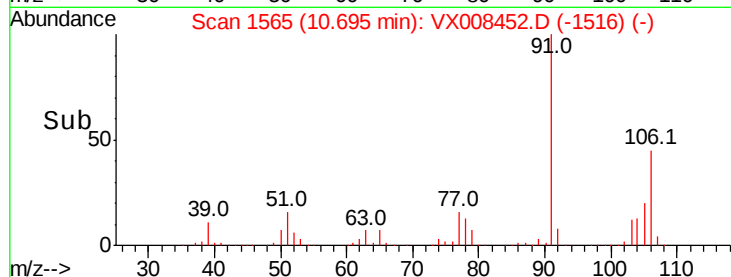
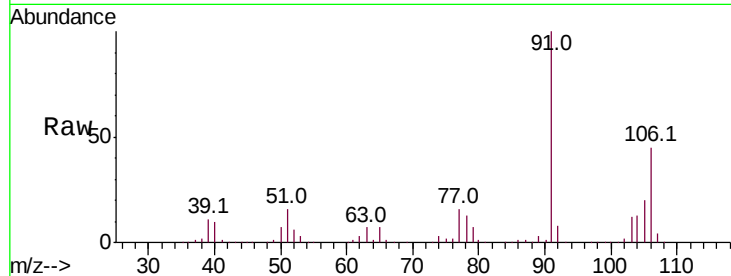
#69
o-Xylene
Concen: 19.089 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX008452.D
Acq: 26 Mar 2019 13:20

Instrument :
MSVOA_X
ClientSampleId :
VX0326WBS01

Tot Ion:106 Resp: 81199
Ion Ratio Lower Upper
106 100
91 220.5 111.4 334.2

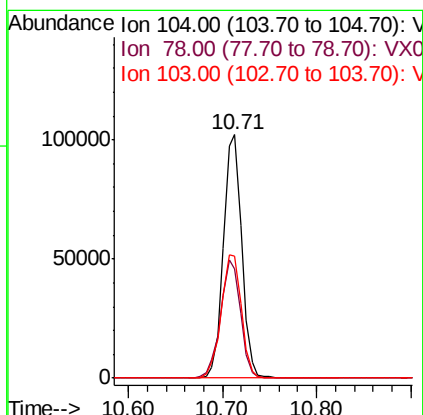
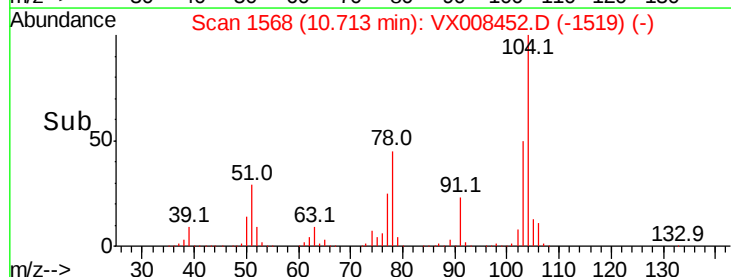
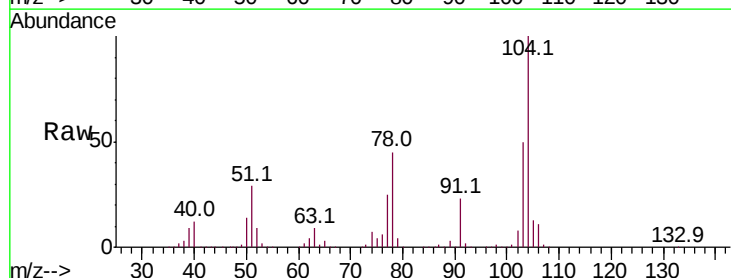
Manual Integrations
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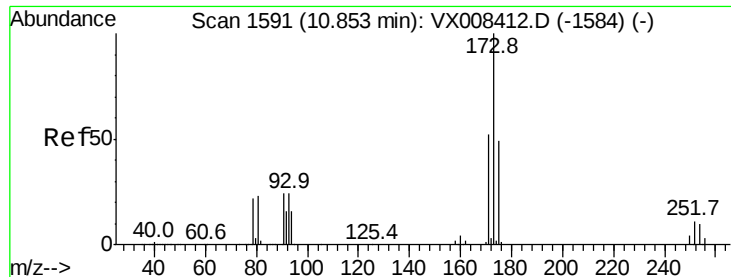
MMDadoda
3/27/2019 10:40:50 AM



#70
Styrene
Concen: 18.732 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008452.D
Acq: 26 Mar 2019 13:20

Tgt Ion:104 Resp: 137634
Ion Ratio Lower Upper
104 100
78 53.1 42.5 63.7
103 55.8 44.2 66.4





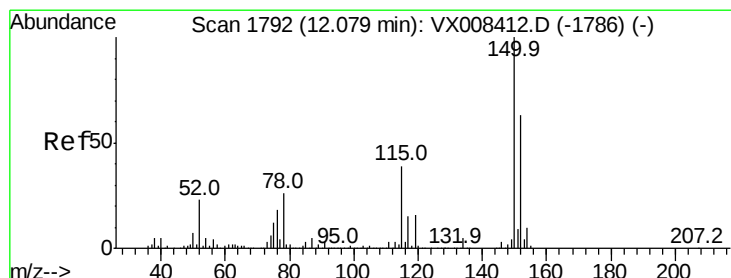
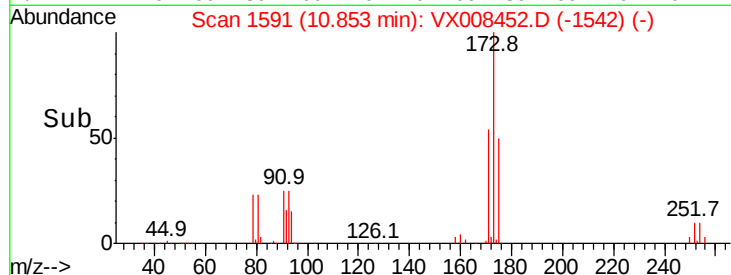
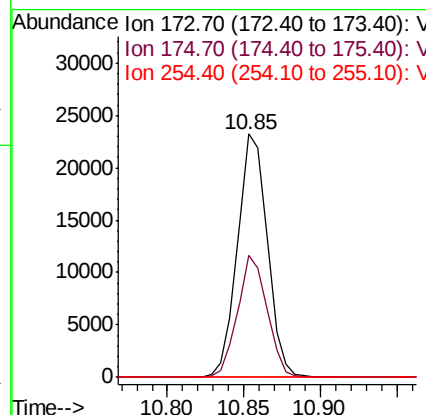
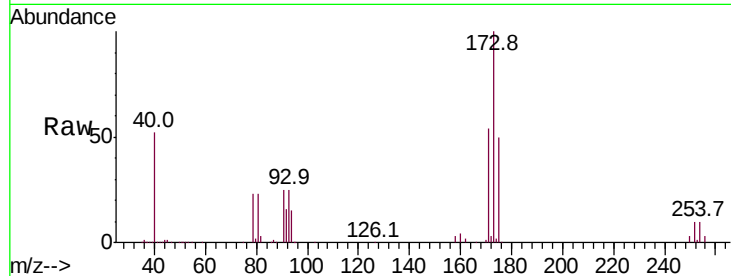
#71
Bromoform
Concen: 18.108 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX008452.D
Acq: 26 Mar 2019 13:20

Instrument :
MSVOA_X
ClientSampleId :
VX0326WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.3	72.8
254	0.0	0.2	0.2#

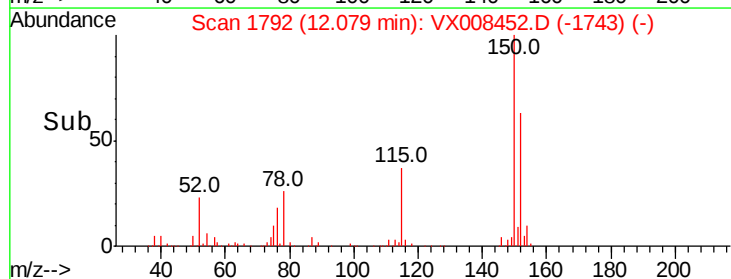
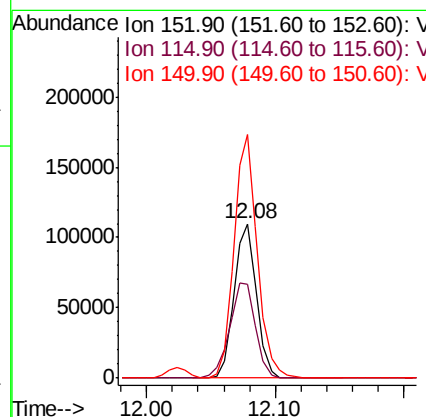
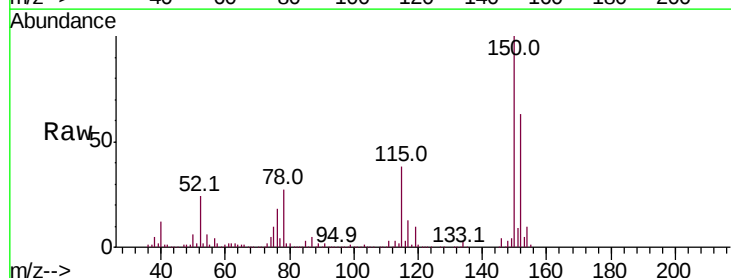
Manual Integrations
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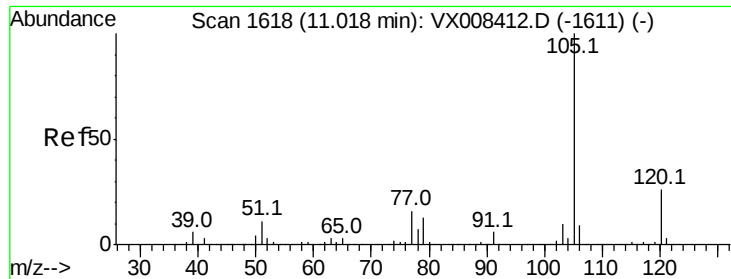
MMDadoda
3/27/2019 10:40:50 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008452.D
Acq: 26 Mar 2019 13:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	71.7	43.5	130.5
150	163.8	0.0	348.8





#73

Isopropylbenzene

Concen: 19.833 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008452.D

Acq: 26 Mar 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

VX0326WBS01

Tot Ion:105 Resp: 215046

Ion Ratio Lower Upper

105 100

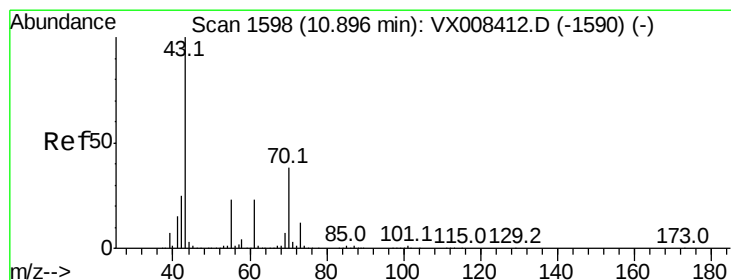
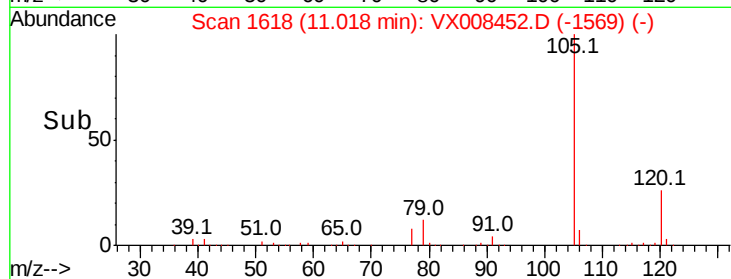
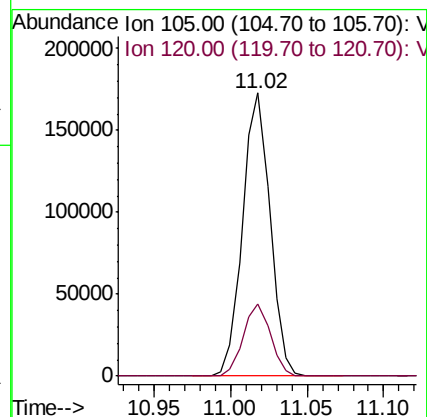
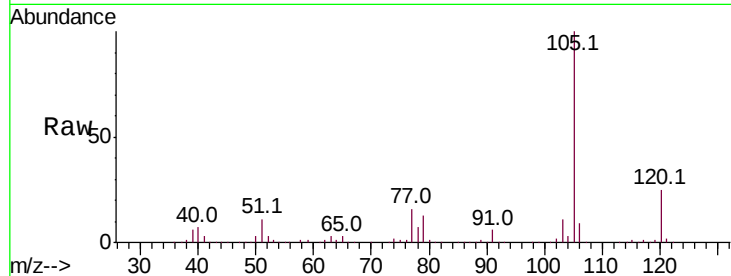
120 25.4 12.9 38.7

Manual Integrations

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MMDadoda

3/27/2019 10:40:50 AM



#74

N-ethyl acetate

Concen: 19.582 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008452.D

Acq: 26 Mar 2019 13:20

Tgt Ion: 43 Resp: 122896

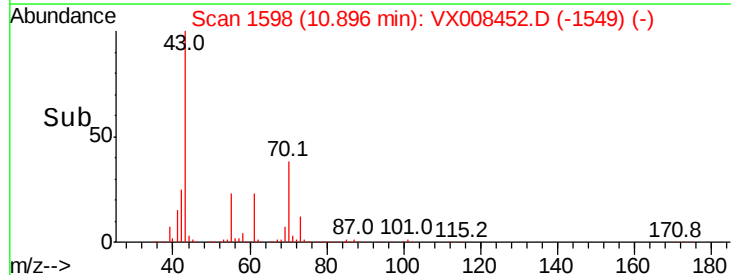
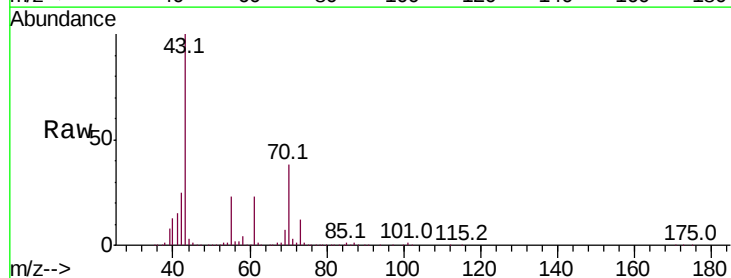
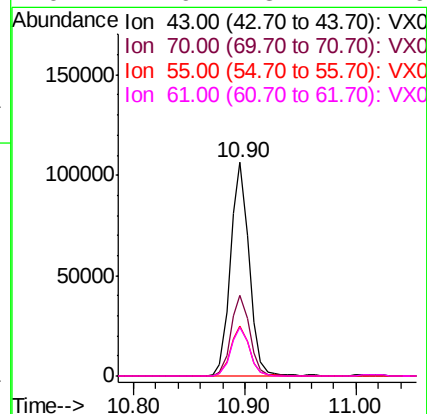
Ion Ratio Lower Upper

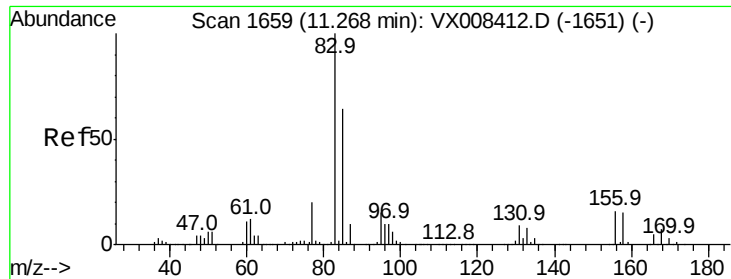
43 100

70 38.2 30.5 45.7

55 23.5 18.2 27.2

61 22.9 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.612 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008452.D

Acq: 26 Mar 2019 13:20

Instrument :

MSVOA_X

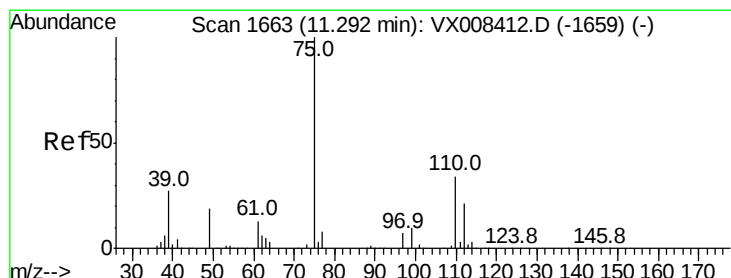
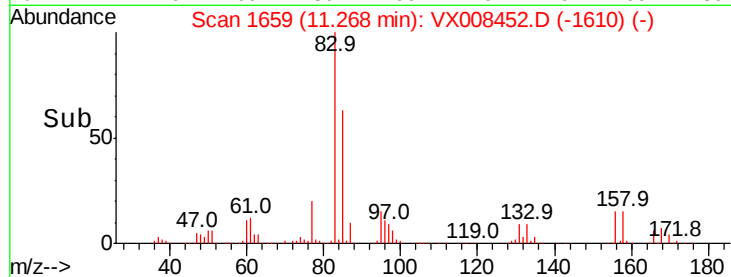
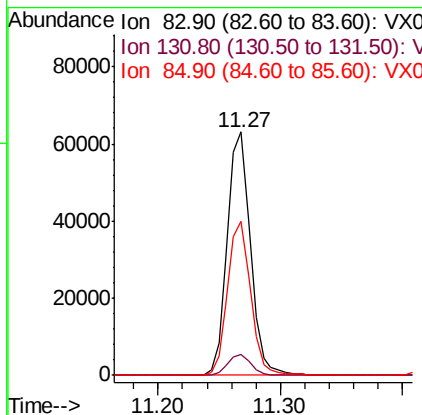
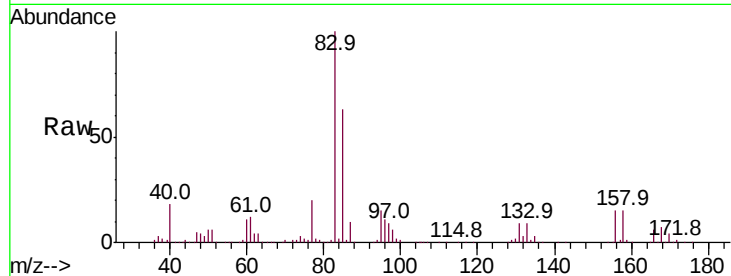
ClientSampleId :

VX0326WBS01

Tot Ion:	83	Resp:	82505
Ion Ratio	Lower	Upper	
83	100		
131	8.7	4.5	13.4
85	63.3	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.676 ug/l m

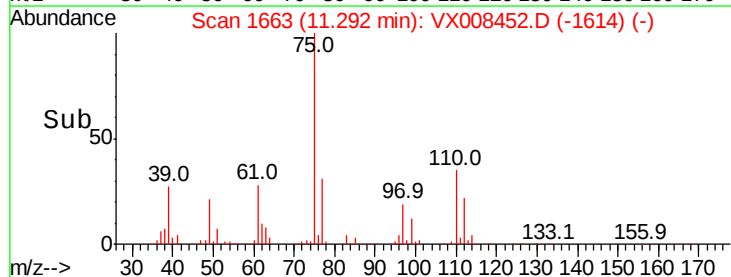
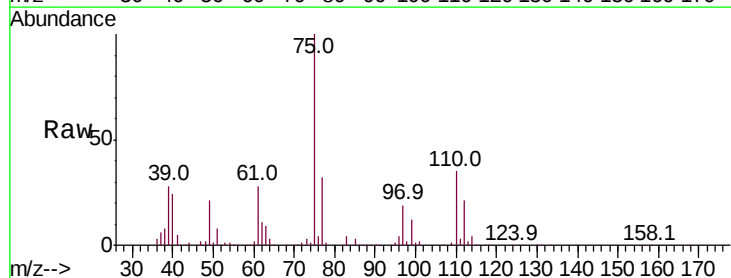
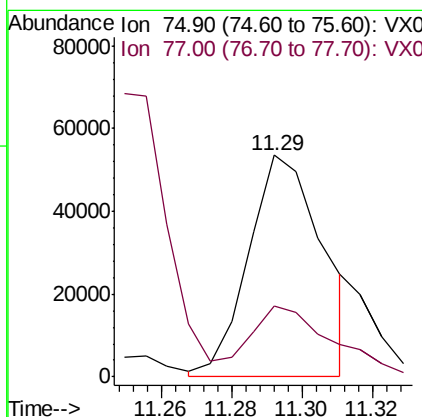
RT: 11.29 min Scan# 1663

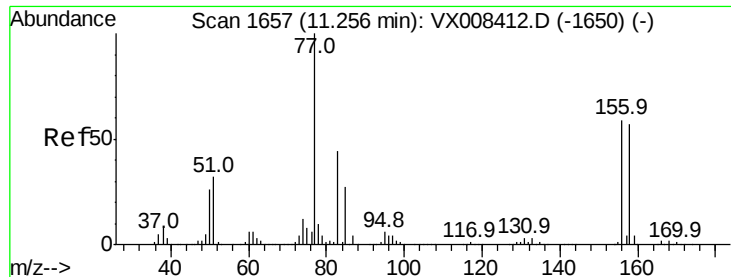
Delta R.T. -0.00 min

Lab File: VX008452.D

Acq: 26 Mar 2019 13:20

Tgt Ion:	75	Resp:	77960
Ion Ratio	Lower	Upper	
75	100		
77	36.5	21.9	65.7





#77

Bromobenzene

Concen: 18.937 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008452.D

Acq: 26 Mar 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

VX0326WBS01

Tot Ion:156 Resp: 49833

Ion Ratio Lower Upper

156 100

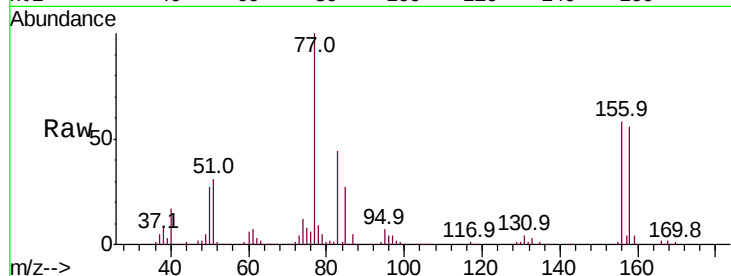
77 183.8 91.1 273.3

158 96.3 48.3 144.8

Manual Integrations
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MMDadoda

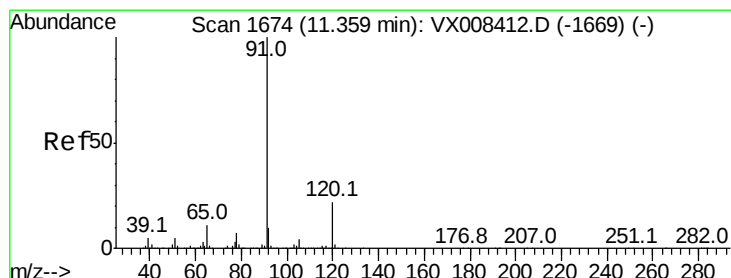
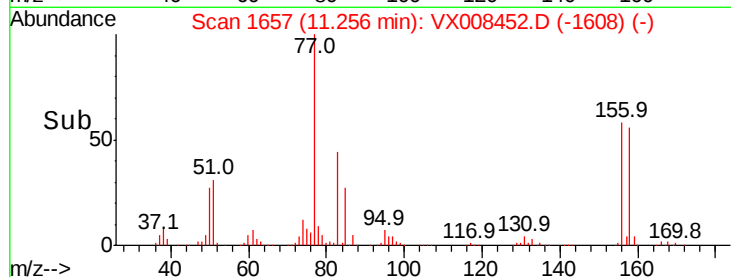
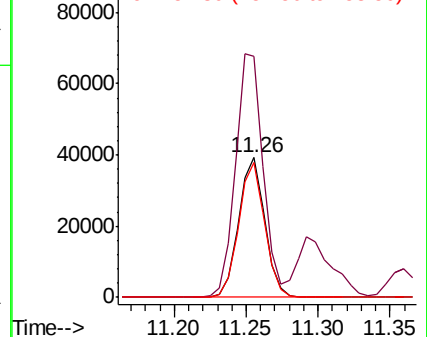
3/27/2019 10:40:50 AM



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



#78

n-propylbenzene

Concen: 19.584 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008452.D

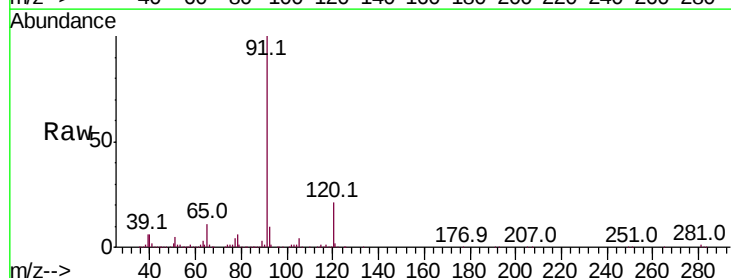
Acq: 26 Mar 2019 13:20

Tgt Ion: 91 Resp: 248753

Ion Ratio Lower Upper

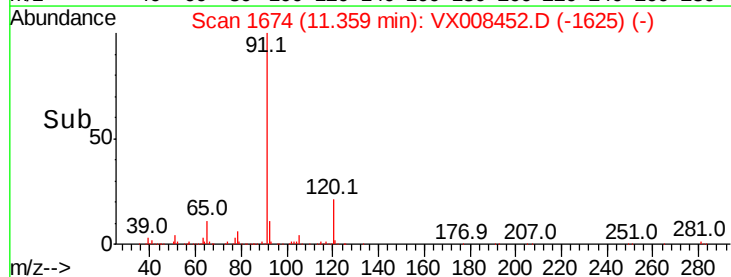
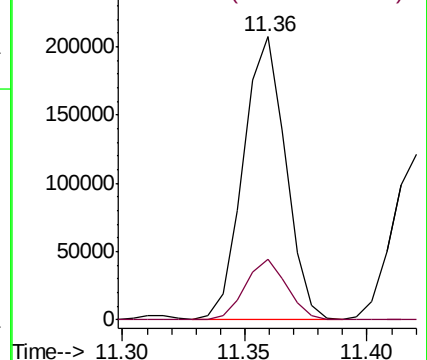
91 100

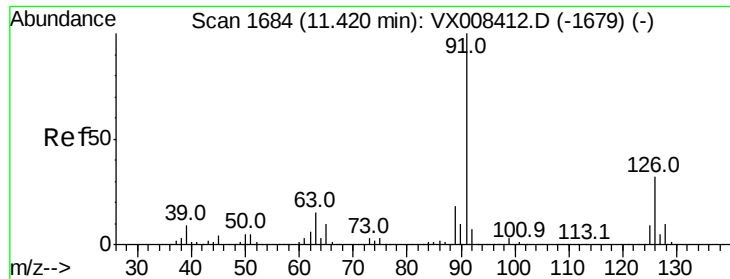
120 21.3 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





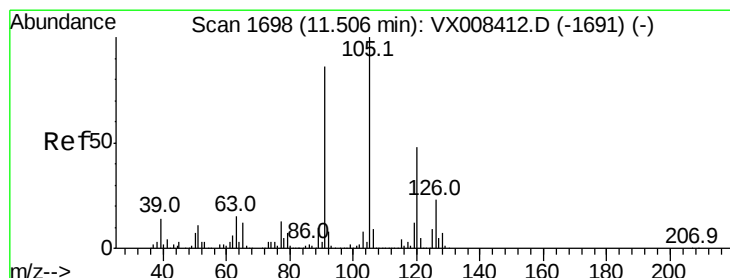
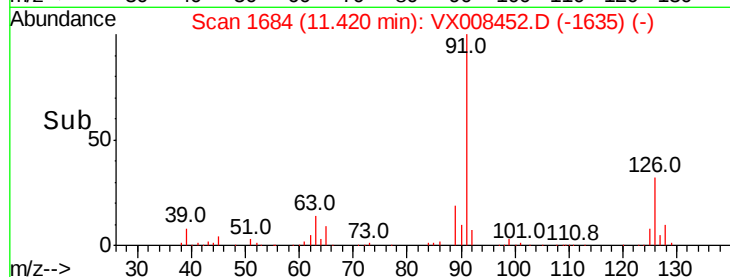
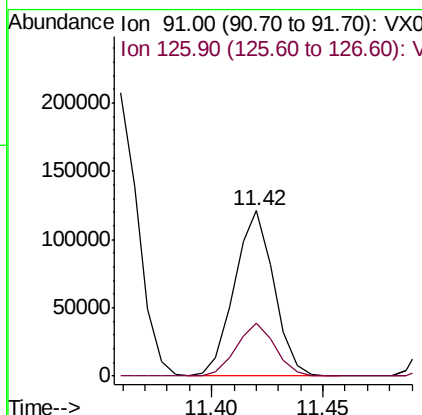
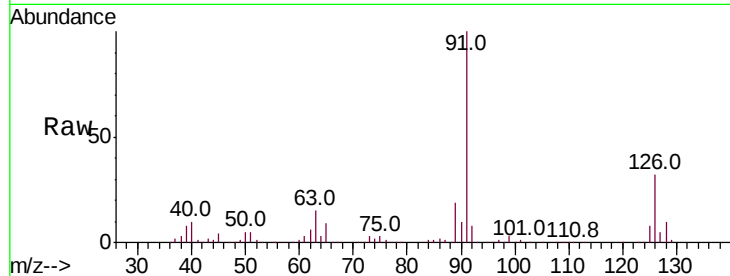
#79
 2-Chlorotoluene
 Concen: 19.252 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX008452.D
 Acq: 26 Mar 2019 13:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0326WBS01

Tot Ion: 91 Resp: 148735
 Ion Ratio Lower Upper
 91 100
 126 31.7 15.7 47.1

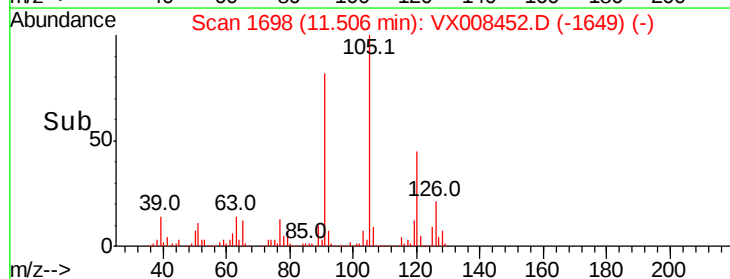
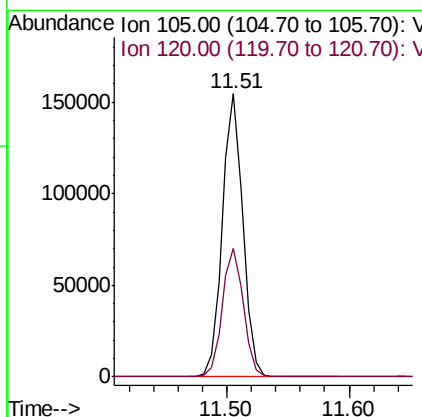
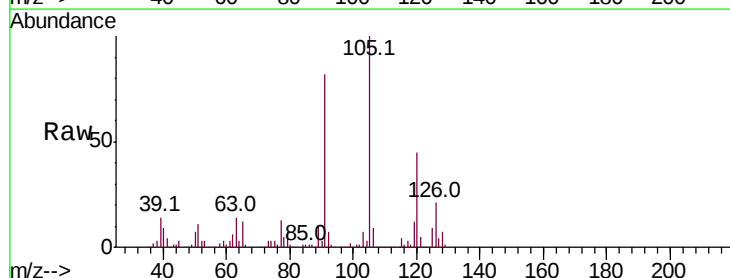
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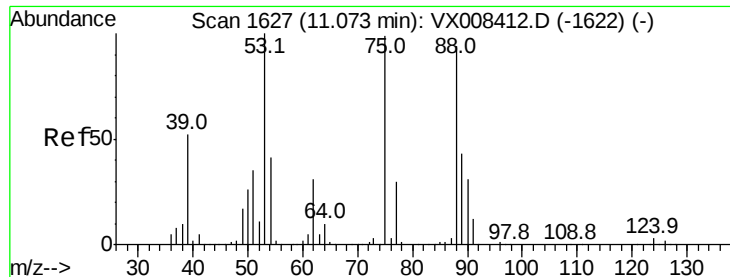
MMDadoda
 3/27/2019 10:40:50 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.581 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX008452.D
 Acq: 26 Mar 2019 13:20

Tgt Ion: 105 Resp: 179491
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.4 70.3





#81

trans-1,4-Dichloro-2-butene

Concen: 18.244 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008452.D

Acq: 26 Mar 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

VX0326WBS01

Tot Ion: 75 Resp: 22570

Ion Ratio Lower Upper

75 100

53 116.1 82.1 123.1

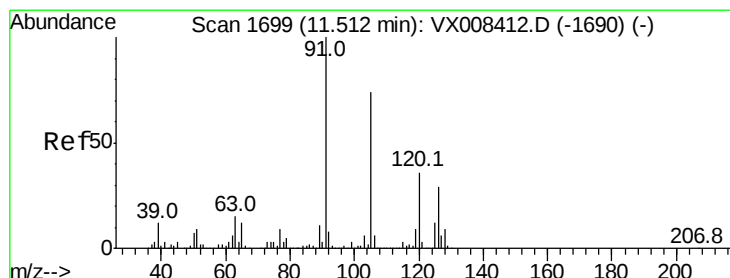
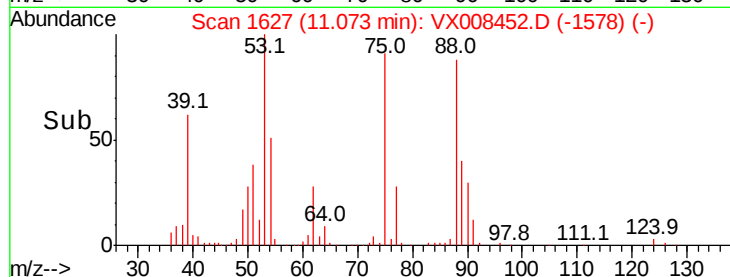
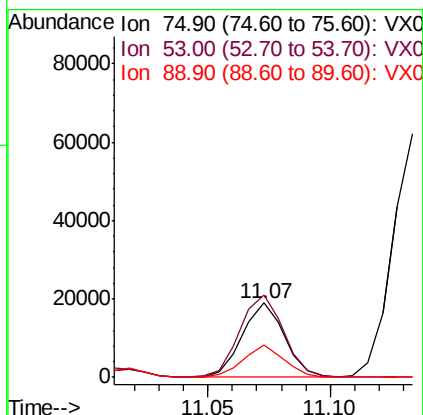
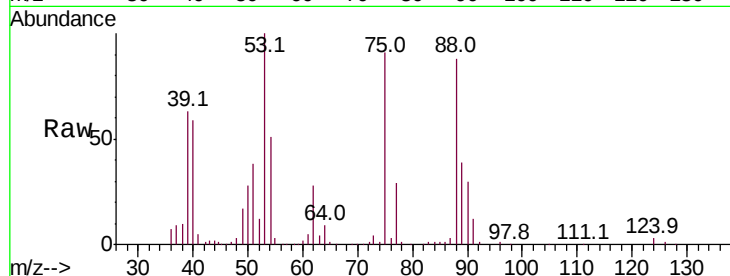
89 43.7 34.6 52.0

Manual Integrations

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#82

4-Chlorotoluene

Concen: 19.090 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX008452.D

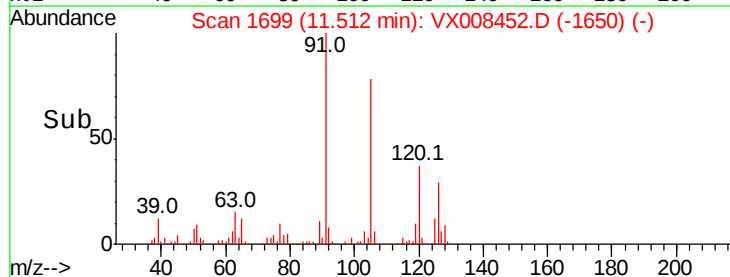
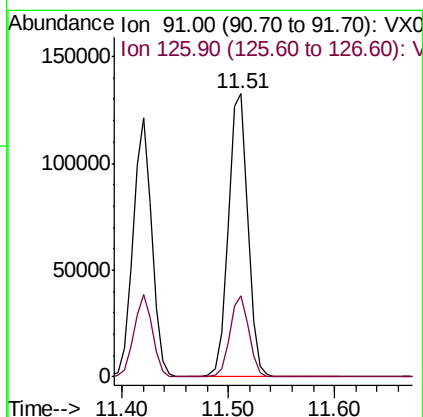
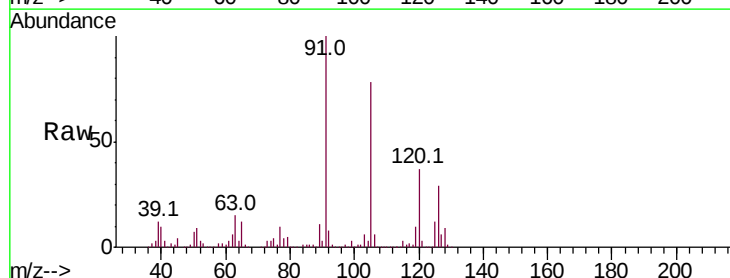
Acq: 26 Mar 2019 13:20

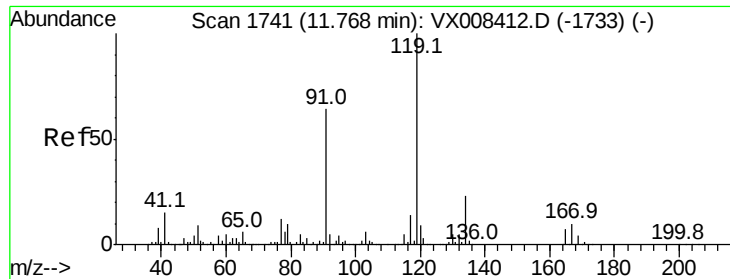
Tgt Ion: 91 Resp: 170115

Ion Ratio Lower Upper

91 100

126 27.8 13.9 41.7





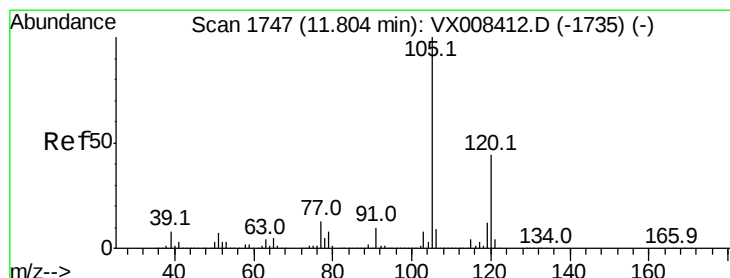
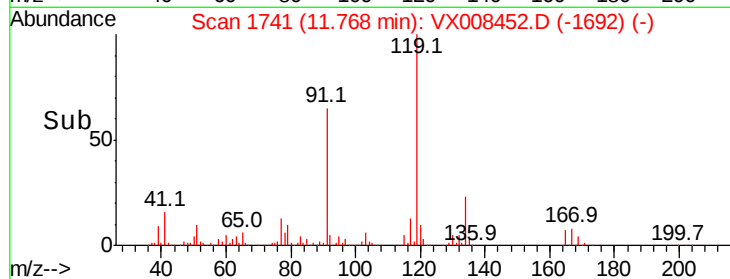
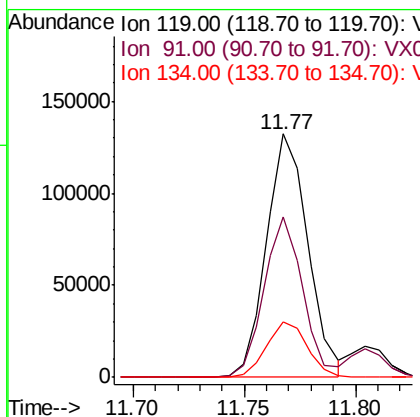
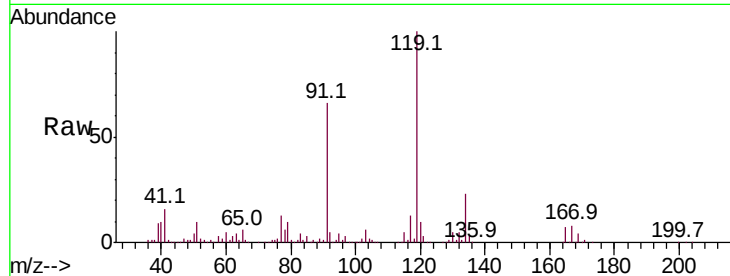
#83
tert-Butylbenzene
Concen: 19.376 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX008452.D
Acq: 26 Mar 2019 13:20

Instrument :
MSVOA_X
ClientSampleId :
VX0326WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	171361		
91	61.6	30.1	90.3	
134	22.4	10.9	32.9	

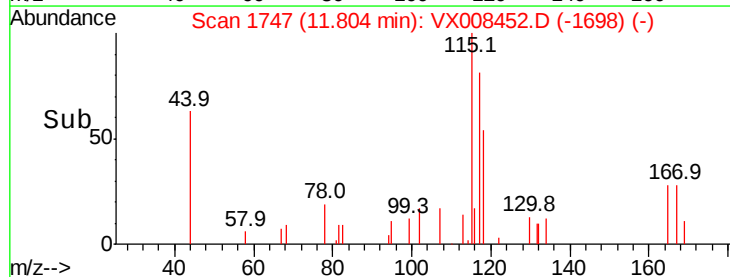
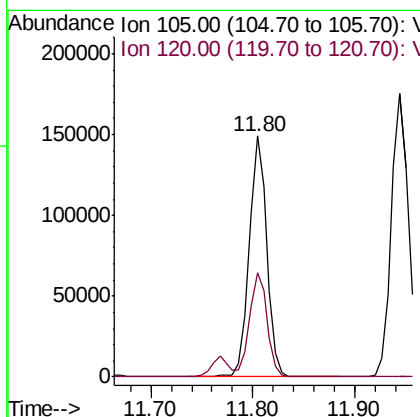
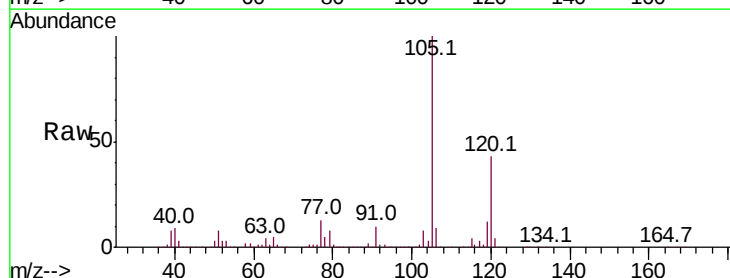
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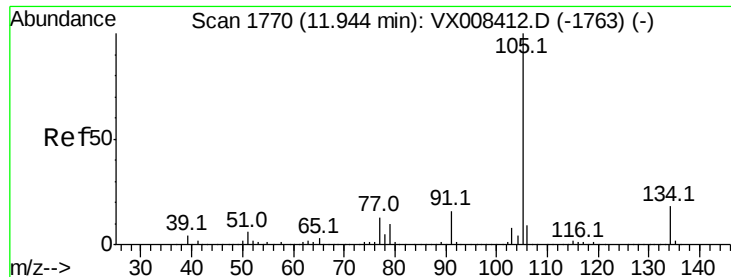
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#84
1,2,4-Trimethylbenzene
Concen: 19.370 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX008452.D
Acq: 26 Mar 2019 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	179596		
120	42.7	21.6	65.0	





#85

sec-Butylbenzene

Concen: 19.626 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008452.D

Acq: 26 Mar 2019 13:20

Instrument :

MSVOA_X

ClientSampleId :

VX0326WBS01

Tot Ion:105 Resp: 206705

Ion Ratio Lower Upper

105 100

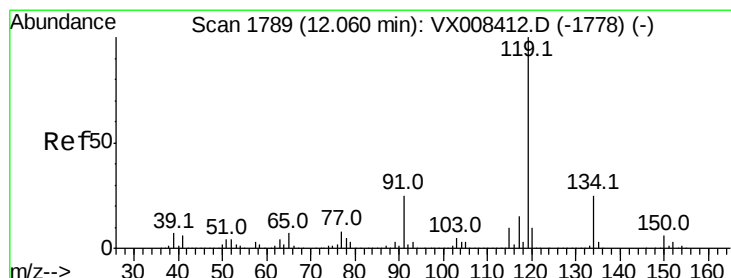
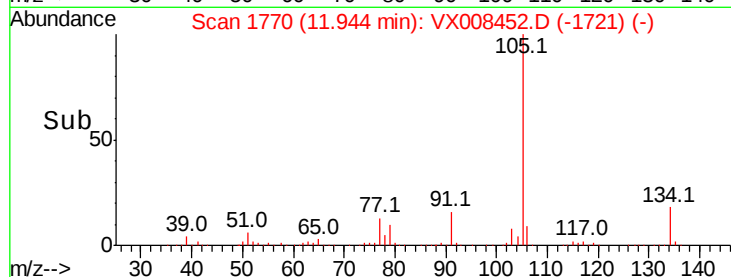
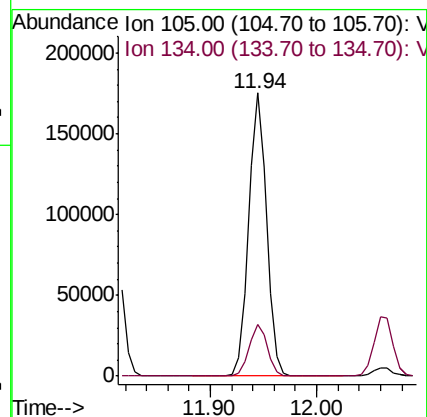
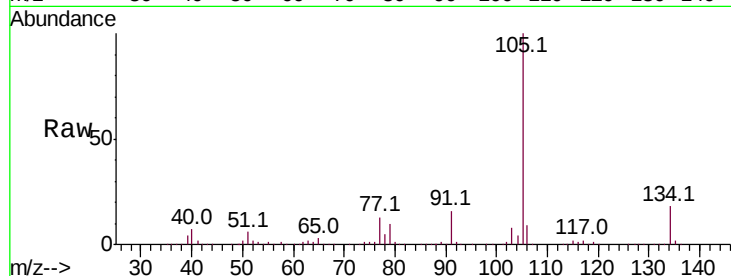
134 18.4 9.3 28.0

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.691 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008452.D

Acq: 26 Mar 2019 13:20

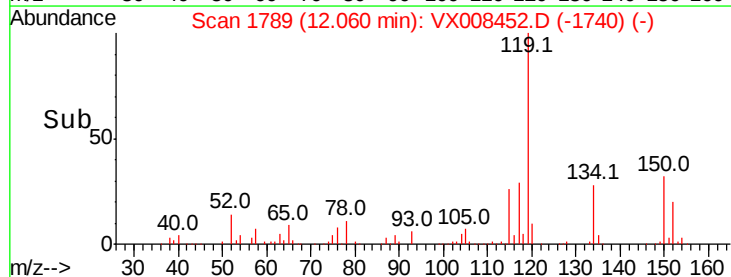
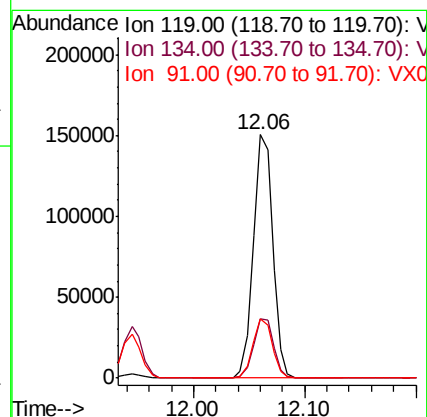
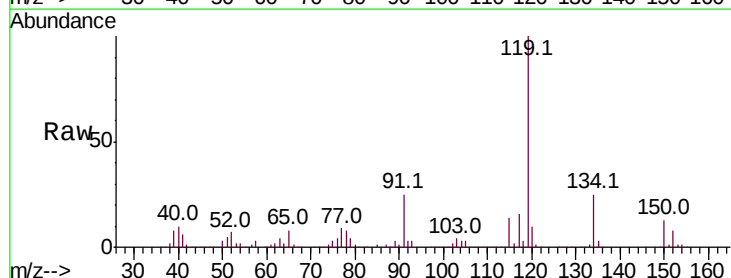
Tgt Ion:119 Resp: 182997

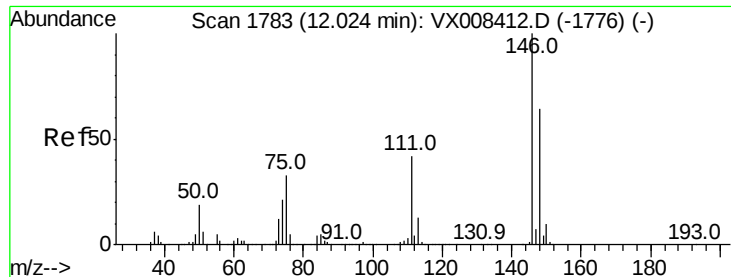
Ion Ratio Lower Upper

119 100

134 25.2 12.8 38.4

91 24.5 12.4 37.0





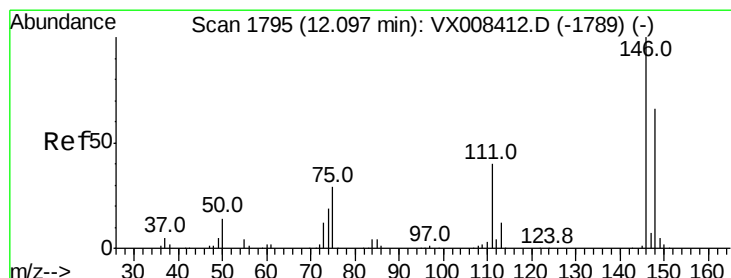
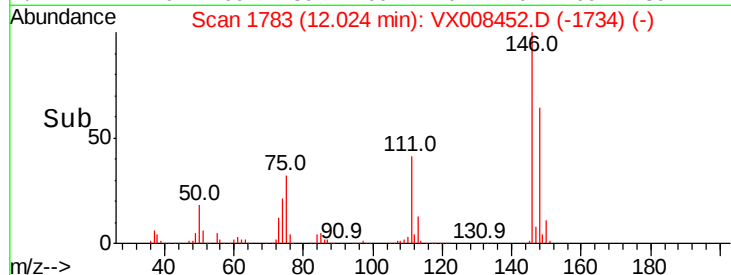
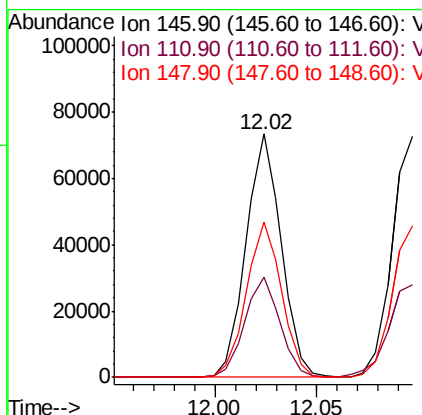
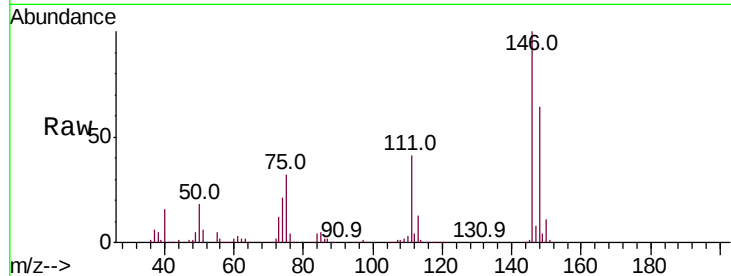
#87
 1,3-Dichlorobenzene
 Concen: 18.783 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008452.D
 Acq: 26 Mar 2019 13:20

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0326WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.8	62.5
148	63.9	32.0	96.0

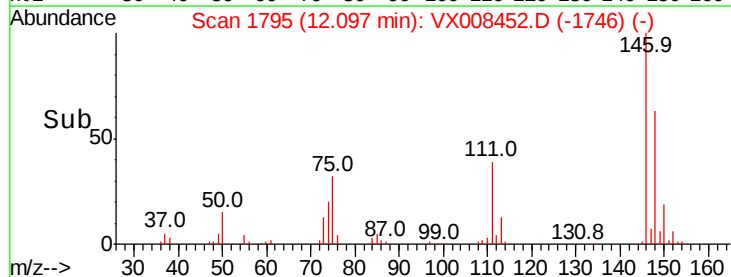
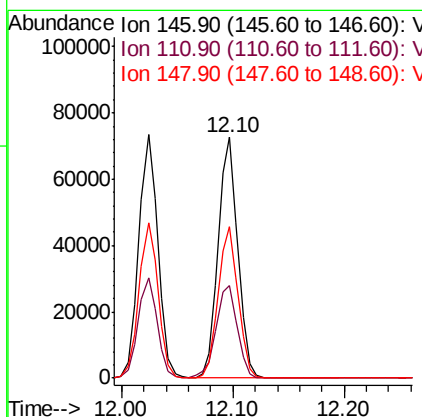
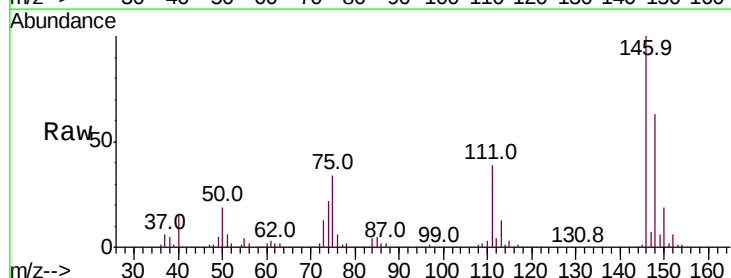
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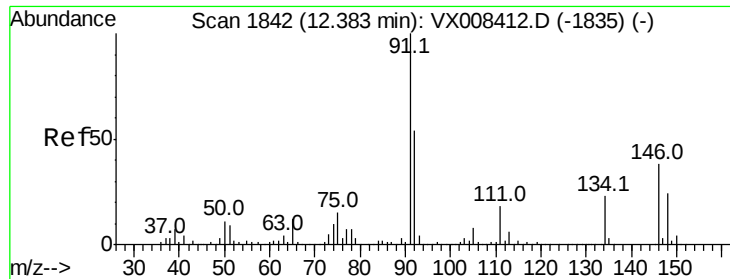
MMDadoda
 3/27/2019 10:40:50 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.661 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008452.D
 Acq: 26 Mar 2019 13:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.3	61.0
148	63.7	32.1	96.5





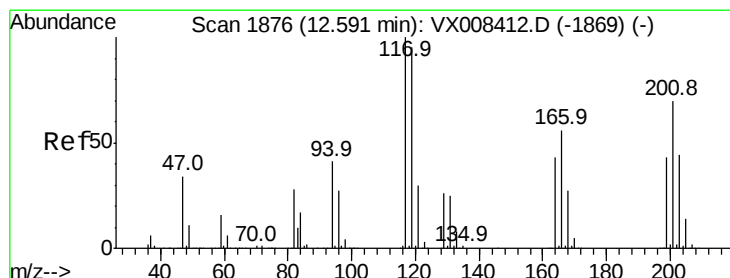
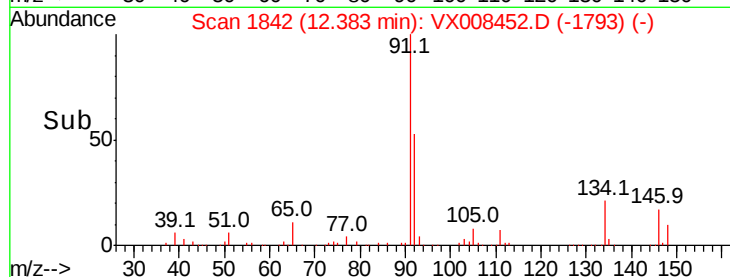
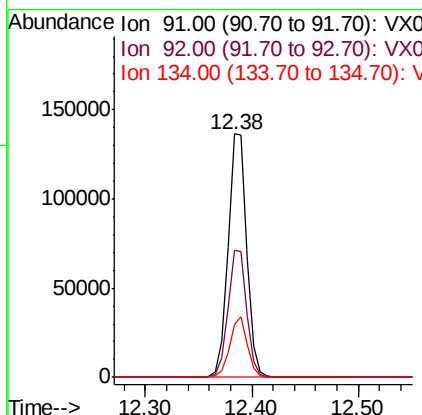
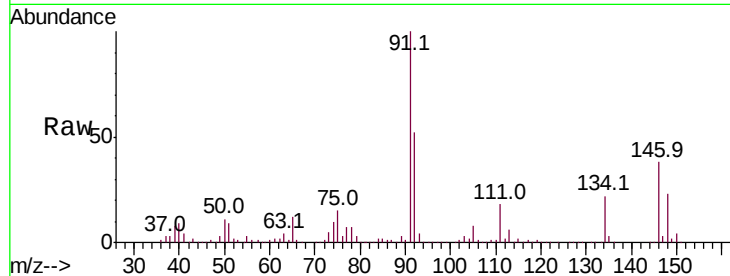
#89
n-Butylbenzene
Concen: 18.989 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008452.D
Acq: 26 Mar 2019 13:20

Instrument :
MSVOA_X
ClientSampleId :
VX0326WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.5	79.5
134	23.3	11.8	35.4

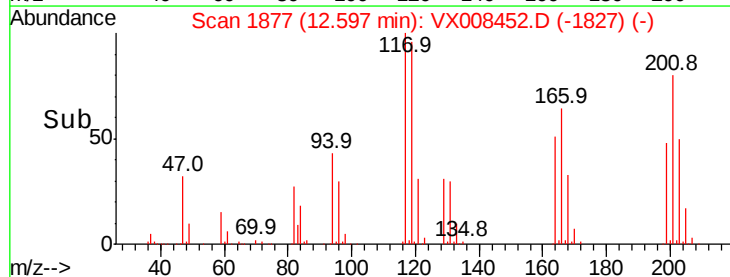
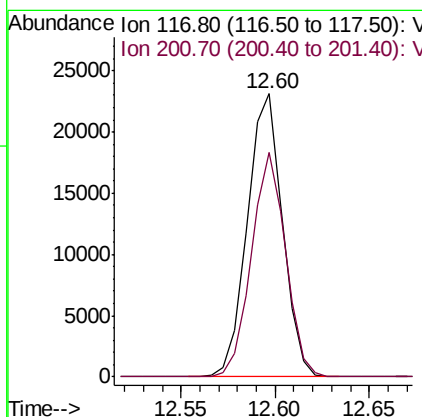
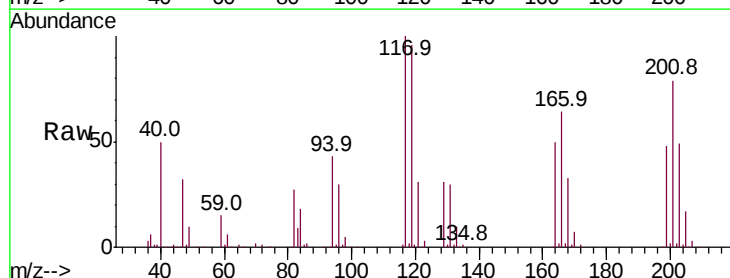
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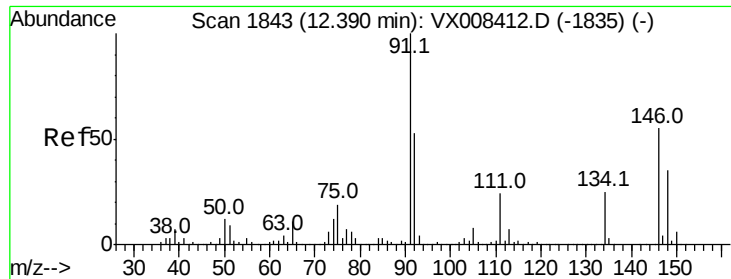
MMDadoda
3/27/2019 10:40:50 AM



#90
Hexachloroethane
Concen: 19.259 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VX008452.D
Acq: 26 Mar 2019 13:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.0	39.4	118.1





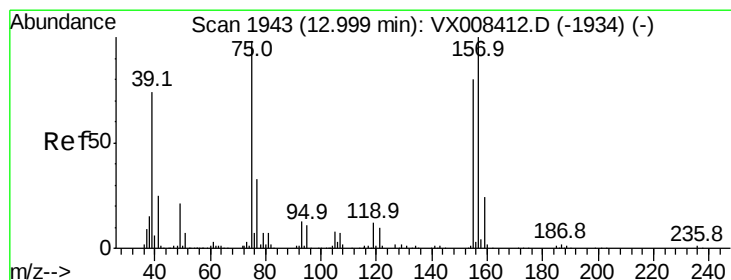
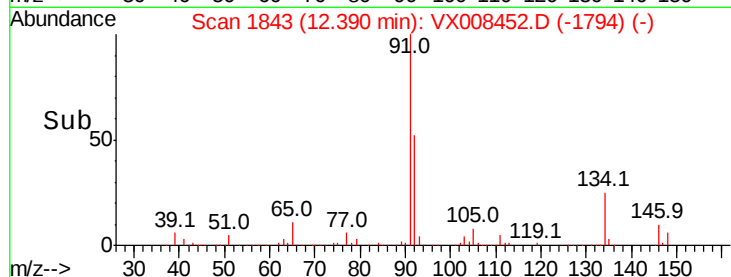
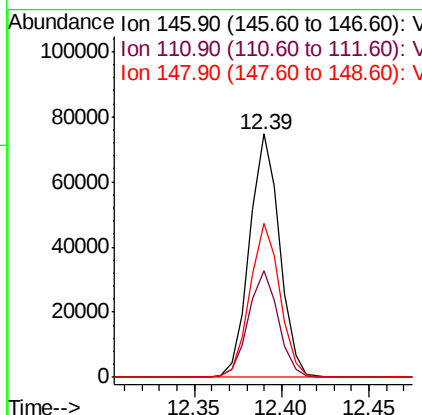
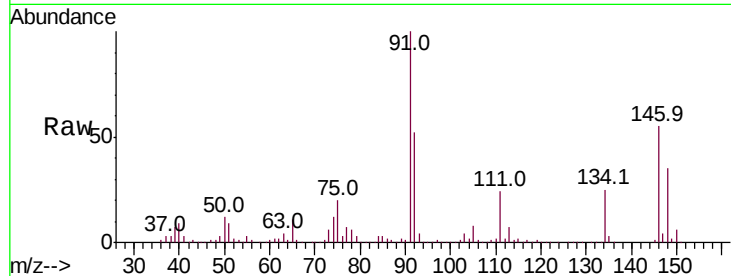
#91
 1,2-Dichlorobenzene
 Concen: 18.891 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008452.D
 Acq: 26 Mar 2019 13:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0326WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.6	64.6
148	63.4	31.9	95.7

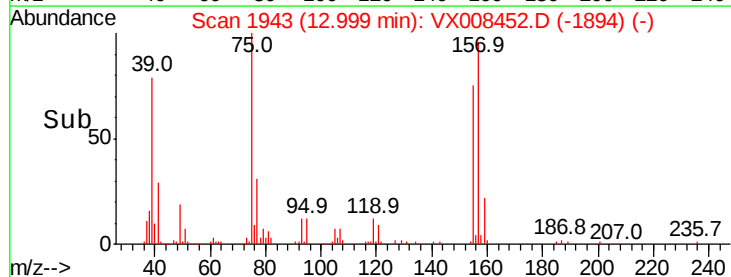
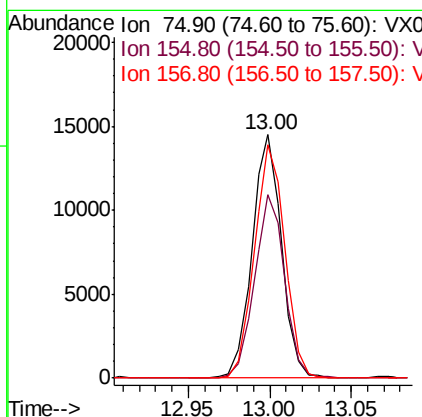
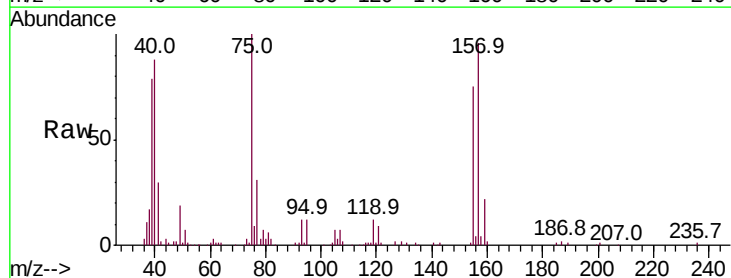
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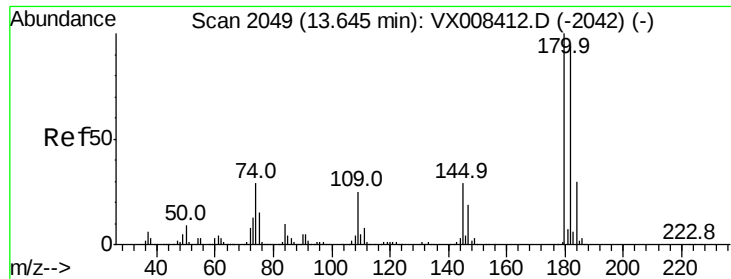
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.796 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008452.D
 Acq: 26 Mar 2019 13:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.6	39.5	118.5
157	98.9	49.9	149.7





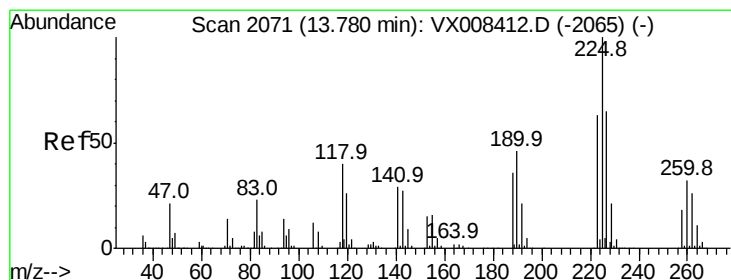
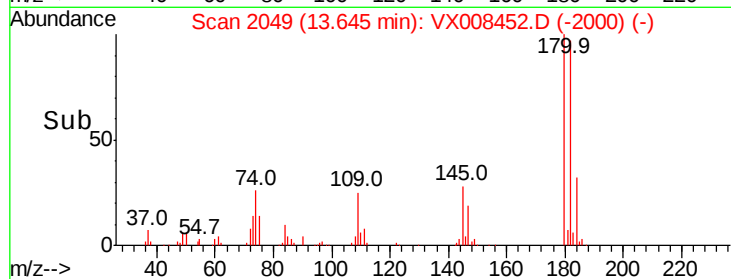
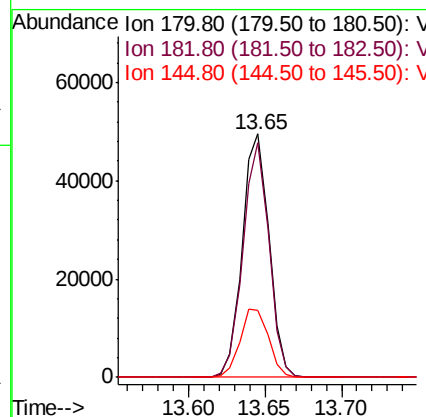
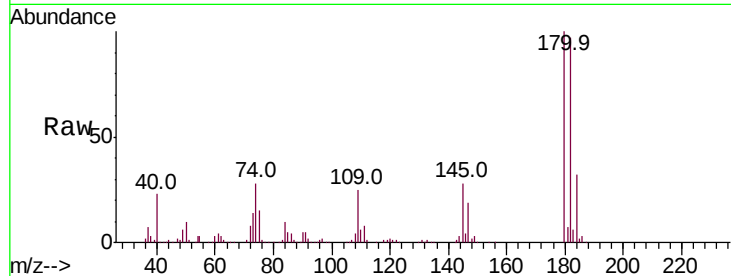
#93
 1,2,4-Trichlorobenzene
 Concen: 18.924 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008452.D
 Acq: 26 Mar 2019 13:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0326WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.8	47.3	142.0	
145	30.1	15.3	45.8	

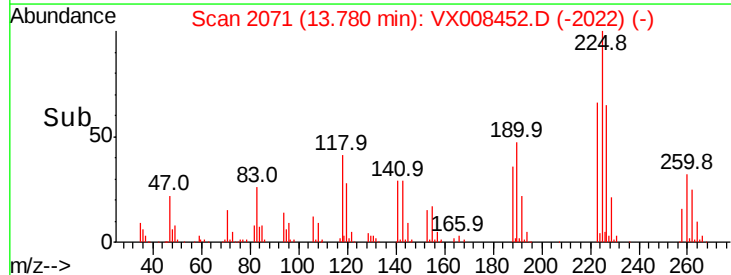
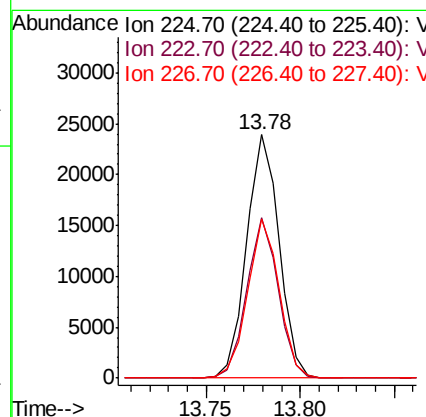
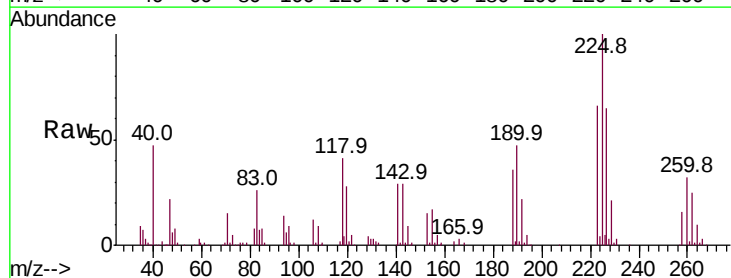
Manual Integrations
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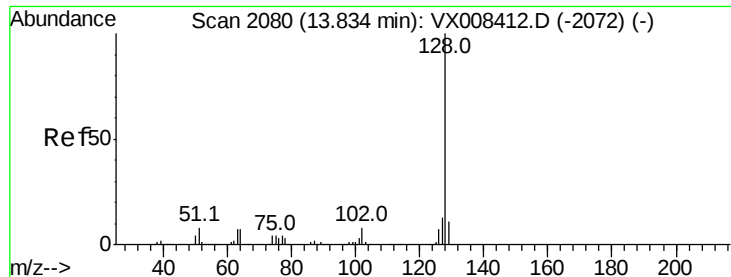
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 3/27/2019 10:40:50 AM



#94
 Hexachlorobutadiene
 Concen: 18.984 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008452.D
 Acq: 26 Mar 2019 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.0	31.4	94.0	
227	63.3	31.9	95.9	





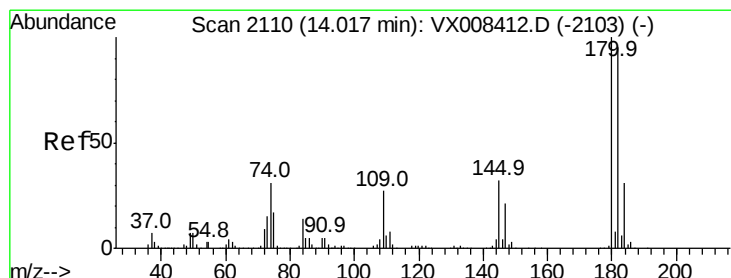
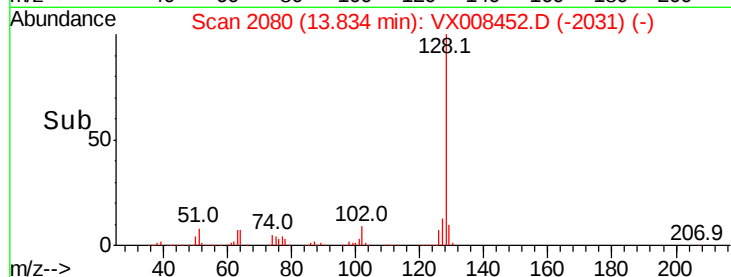
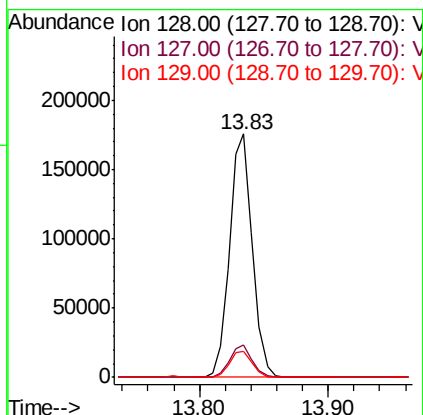
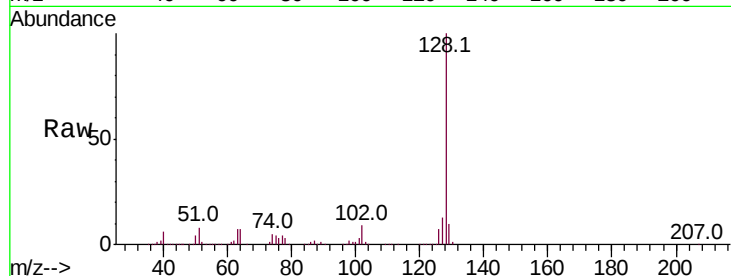
#95
Naphthalene
Concen: 19.947 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008452.D
Acq: 26 Mar 2019 13:20

Instrument :
MSVOA_X
ClientSampleId :
VX0326WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.8	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.484 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX008452.D
Acq: 26 Mar 2019 13:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.3	142.0
145	31.5	16.2	48.5

