

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032919\
 Data File : VX008542.D
 Acq On : 29 Mar 2019 14:40
 Operator : JC/SP
 Sample : VX0329WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBS02

Manual Integrations
 APPROVED

MMDadoda
 3/30/2019 9:50:27 AM

Quant Time: Mar 30 00:14:00 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	5.66	168	239409	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	402191	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	358369	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	169783	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	169248	46.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.26%	
35) Dibromofluoromethane	5.49	113	124465	47.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.92%	
50) Toluene-d8	8.71	98	501137	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	
62) 4-Bromofluorobenzene	11.13	95	184724	47.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	55808	19.776	ug/l	98
3) Chloromethane	1.32	50	78581	21.701	ug/l	99
4) Vinyl Chloride	1.40	62	78318	19.877	ug/l	100
5) Bromomethane	1.64	94	36376	18.762	ug/l	99
6) Chloroethane	1.71	64	53762	23.032	ug/l	98
7) Trichlorofluoromethane	1.92	101	89271	20.005	ug/l	98
8) Diethyl Ether	2.18	74	43609	20.649	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	57348	21.264	ug/l	99
10) Methyl Iodide	2.51	142	47434	20.713	ug/l	99
11) Tert butyl alcohol	3.05	59	94994	118.131	ug/l	99
12) 1,1-Dichloroethene	2.37	96	57983	20.818	ug/l	98
13) Acrolein	2.29	56	53251	91.189	ug/l	99
14) Allyl chloride	2.73	41	134094	21.853	ug/l	98
15) Acrylonitrile	3.14	53	237965	112.854	ug/l	100
16) Acetone	2.44	43	230944	121.743	ug/l	99
17) Carbon Disulfide	2.57	76	161639	19.997	ug/l	99
18) Methyl Acetate	2.77	43	103447	22.706	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	222697	22.188	ug/l	100
20) Methylene Chloride	2.85	84	72136	22.954	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	61669	22.069	ug/l	97
22) Diisopropyl ether	3.85	45	269848	22.334	ug/l	99
23) Vinyl Acetate	3.81	43	1193215	113.195	ug/l	100
24) 1,1-Dichloroethane	3.70	63	132457	21.715	ug/l	100
25) 2-Butanone	4.67	43	358418	117.854	ug/l	100
26) 2,2-Dichloropropane	4.58	77	92246	22.737	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	74562	21.892	ug/l	98
28) Bromochloromethane	5.01	49	59592	19.774	ug/l	99
29) Tetrahydrofuran	5.13	42	226849	113.177	ug/l	100
30) Chloroform	5.21	83	120853	21.954	ug/l	97
31) Cyclohexane	5.58	56	123272	21.189	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	96197	21.862	ug/l	100
36) 1,1-Dichloropropene	5.80	75	90936	21.206	ug/l	99
37) Ethyl Acetate	4.83	43	128573	23.144	ug/l	100
38) Carbon Tetrachloride	5.79	117	78714	21.995	ug/l	99

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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	110823	21.625	ug/l	97
40) Benzene	6.14	78	283587	22.090	ug/l	99
41) Methacrylonitrile	5.04	41	73533	23.554	ug/l	99
42) 1,2-Dichloroethane	6.19	62	101865	21.672	ug/l	99
43) Isopropyl Acetate	6.45	43	203056	22.852	ug/l	100
44) Trichloroethene	7.21	130	64367	21.354	ug/l	99
45) 1,2-Dichloropropane	7.51	63	81280	22.274	ug/l	100
46) Dibromomethane	7.66	93	46525	21.834	ug/l	99
47) Bromodichloromethane	7.90	83	91305	22.386	ug/l	100
48) Methyl methacrylate	7.77	41	102602	23.077	ug/l	99
49) 1,4-Dioxane	7.74	88	41237	466.463	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	683015	118.345	ug/l	100
52) Toluene	8.78	92	169411	22.070	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	102124	22.860	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	115688	22.774	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	70638	22.606	ug/l	98
56) Ethyl methacrylate	9.18	69	129811	23.015	ug/l	99
57) 1,3-Dichloropropane	9.37	76	125607	22.420	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	329517	113.018	ug/l	99
59) 2-Hexanone	9.49	43	541140	121.006	ug/l	99
60) Dibromochloromethane	9.58	129	66460	22.365	ug/l	97
61) 1,2-Dibromoethane	9.67	107	71151	22.312	ug/l	98
64) Tetrachloroethene	9.34	164	54368	22.409	ug/l	98
65) Chlorobenzene	10.13	112	172854	22.179	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	61192	22.758	ug/l	99
67) Ethyl Benzene	10.25	91	323050	21.964	ug/l	99
68) m/p-Xylenes	10.36	106	233124	43.567	ug/l	98
69) o-Xylene	10.69	106	115414	22.226	ug/l	99
70) Styrene	10.71	104	201208	22.432	ug/l	100
71) Bromoform	10.85	173	47508	22.373	ug/l #	99
73) Isopropylbenzene	11.02	105	305003	22.081	ug/l	100
74) N-amyl acetate	10.90	43	185450	23.196	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	120328	22.452	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	101879m	20.184	ug/l	
77) Bromobenzene	11.26	156	72537	21.638	ug/l	99
78) n-propylbenzene	11.36	91	353503	21.847	ug/l	100
79) 2-Chlorotoluene	11.42	91	213944	21.739	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	259061	22.185	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	37161	23.580	ug/l	96
82) 4-Chlorotoluene	11.51	91	245085	21.589	ug/l	99
83) tert-Butylbenzene	11.77	119	247033	21.926	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	260290	22.037	ug/l	100
85) sec-Butylbenzene	11.94	105	294567	21.955	ug/l	100
86) p-Isopropyltoluene	12.06	119	265862	22.457	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	127873	21.349	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	128830	21.312	ug/l	98
89) n-Butylbenzene	12.38	91	244882	21.835	ug/l	99
90) Hexachloroethane	12.60	117	43161	21.884	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	131490	21.922	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	25814	22.091	ug/l	99

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Instrument :
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Manual Integrations
APPROVED

MMDadoda
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Quant Time: Mar 30 00:14:00 2019
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	13.65	180	88351	21.878	ug/l	100
94) Hexachlorobutadiene	13.78	225	41633	21.712	ug/l	98
95) Naphthalene	13.83	128	307182	22.187	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	89147	21.969	ug/l	99

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

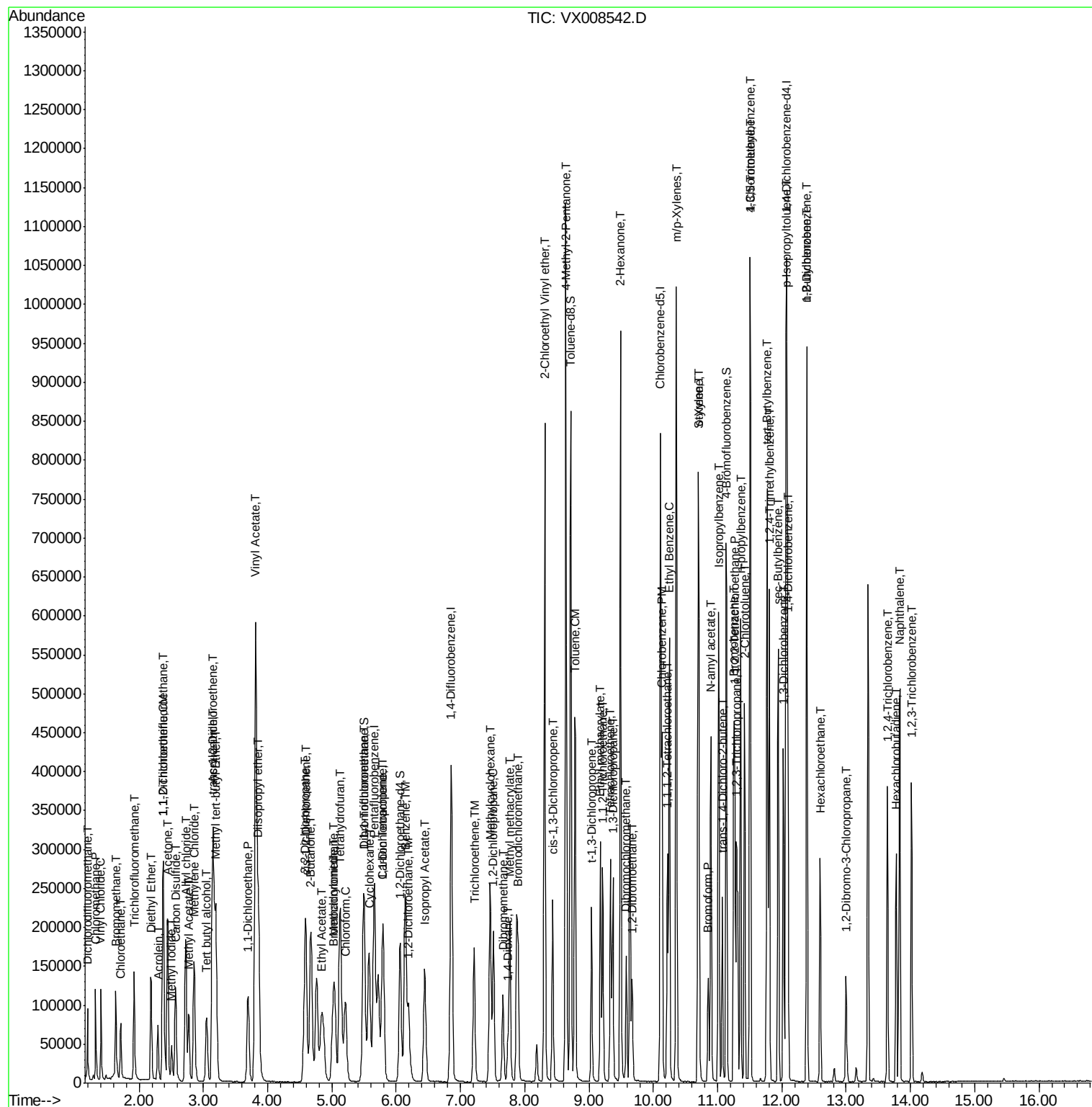
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032919\
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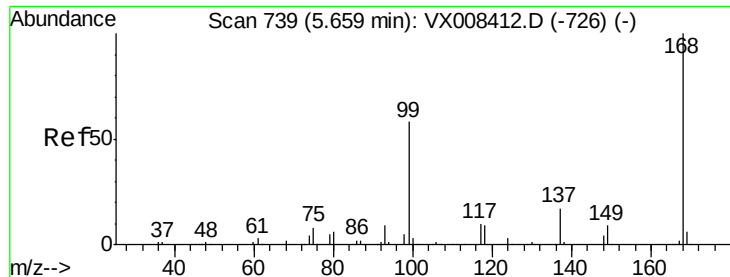
Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS02

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX008542.D

Acq: 29 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBS02

Tot Ion:168 Resp: 239409

Ion Ratio Lower Upper

168 100

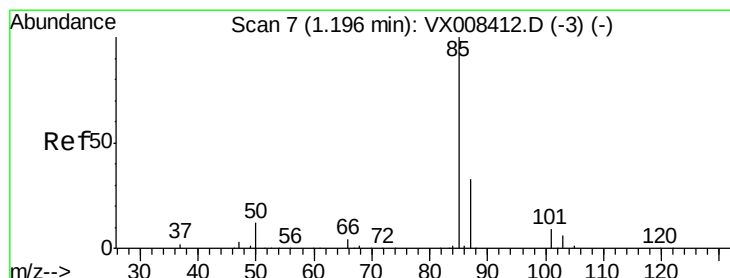
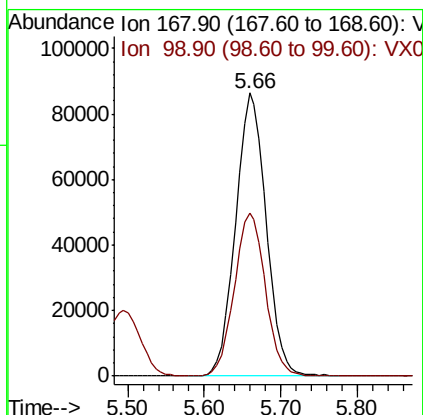
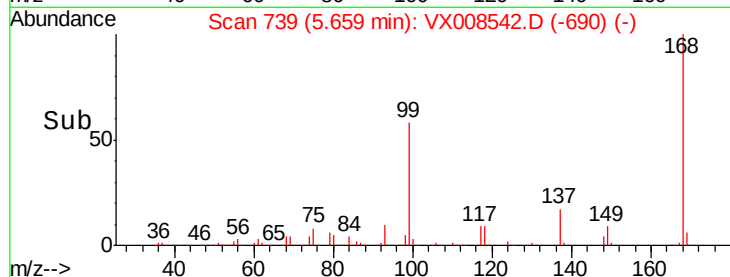
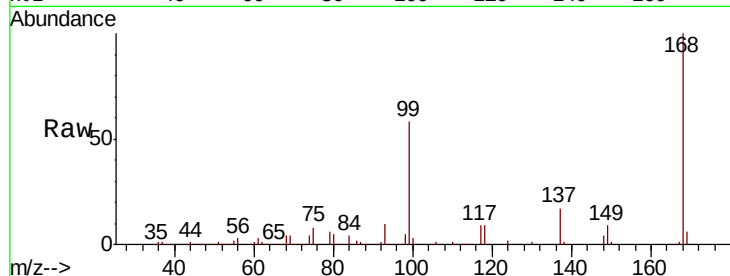
99 57.4 46.0 69.0

Manual Integrations

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3/30/2019 9:50:27 AM



#2

Dichlorodifluoromethane

Concen: 19.776 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008542.D

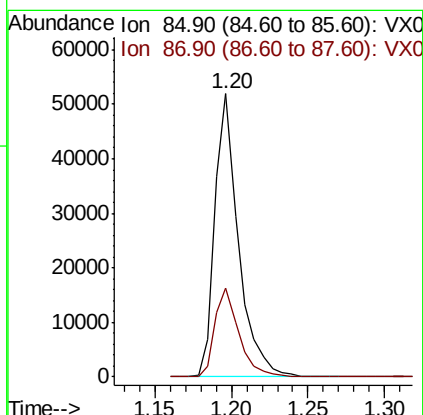
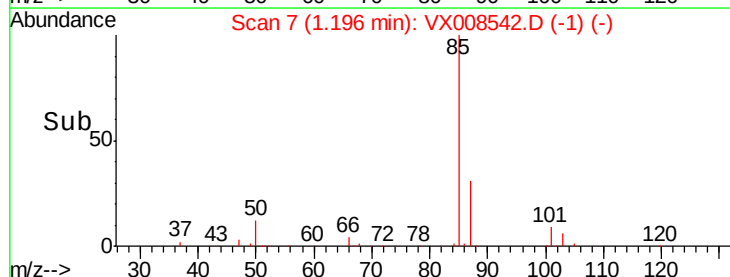
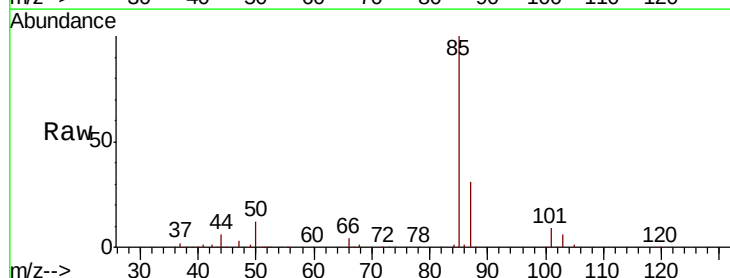
Acq: 29 Mar 2019 14:40

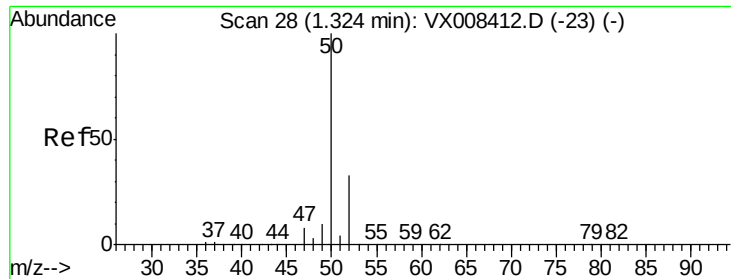
Tgt Ion: 85 Resp: 55808

Ion Ratio Lower Upper

85 100

87 31.4 16.4 49.1





#3

Chloromethane

Concen: 21.701 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008542.D

Acq: 29 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBS02

Tot Ion: 50 Resp: 78581

Ion Ratio Lower Upper

50 100

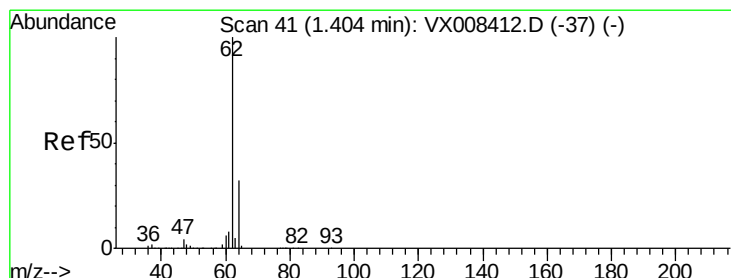
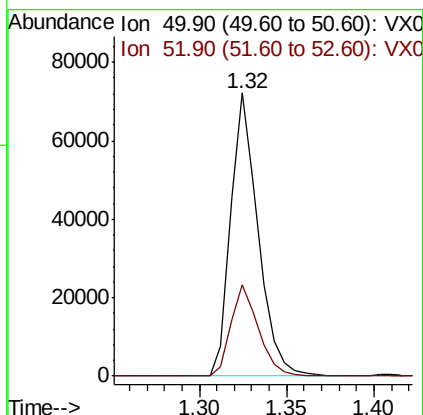
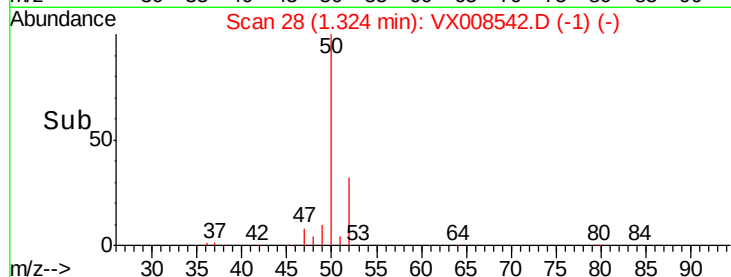
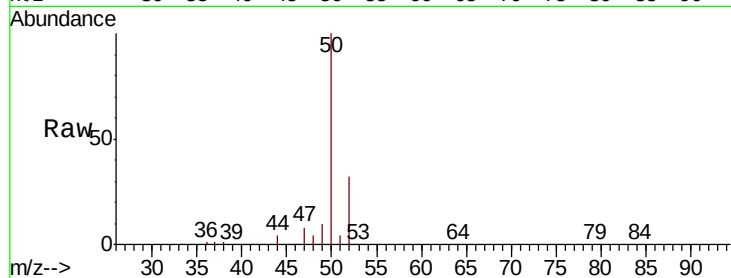
52 32.3 26.2 39.2

Manual Integrations

APPROVED

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#4

Vinyl Chloride

Concen: 19.877 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX008542.D

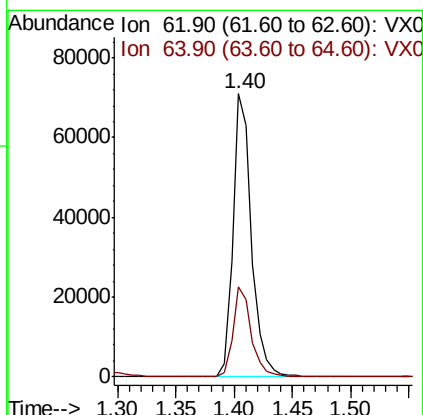
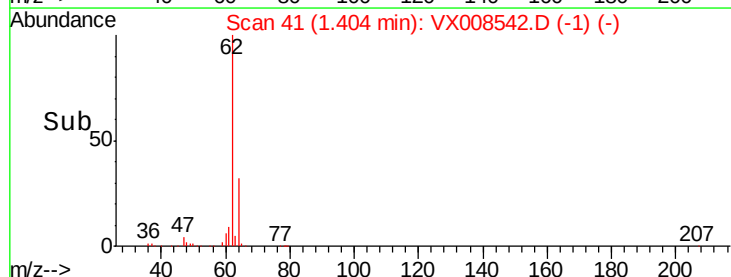
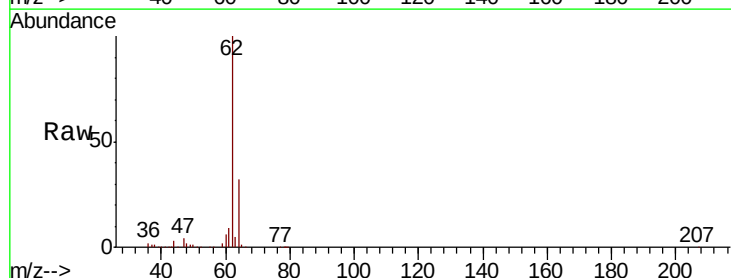
Acq: 29 Mar 2019 14:40

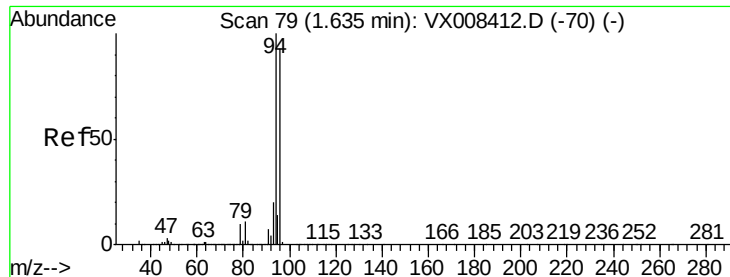
Tgt Ion: 62 Resp: 78318

Ion Ratio Lower Upper

62 100

64 31.7 25.5 38.3





#5

Bromomethane

Concen: 18.762 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008542.D

Acq: 29 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBS02

Tot Ion: 94 Resp: 36376

Ion Ratio Lower Upper

94 100

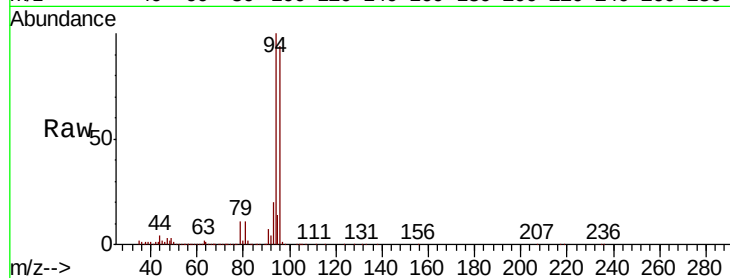
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Manual Integrations

APPROVED

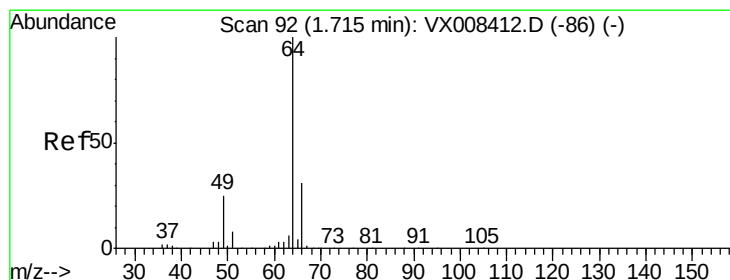
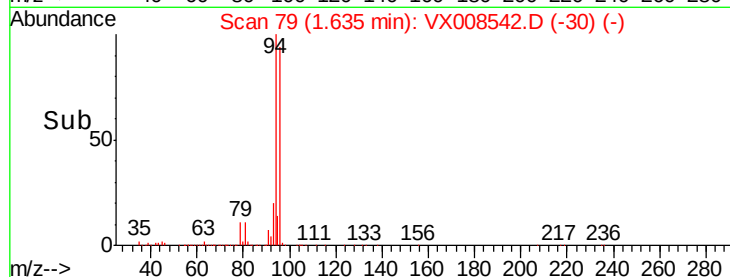
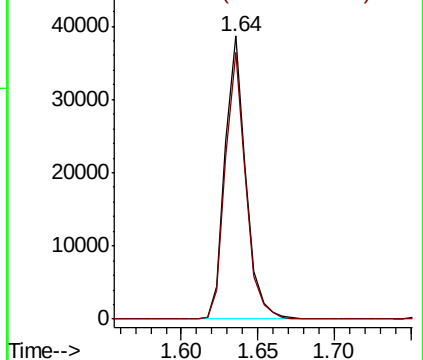
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 23.032 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX008542.D

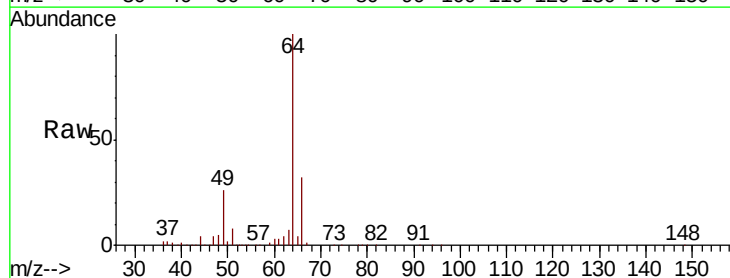
Acq: 29 Mar 2019 14:40

Tgt Ion: 64 Resp: 53762

Ion Ratio Lower Upper

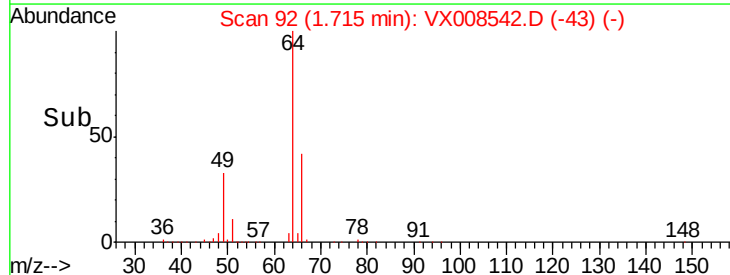
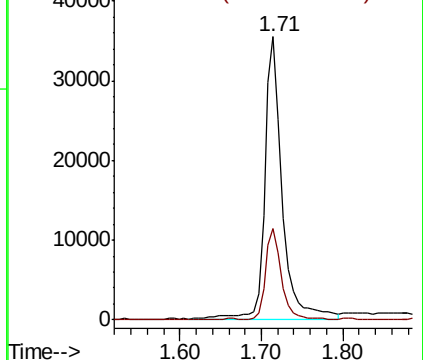
64 100

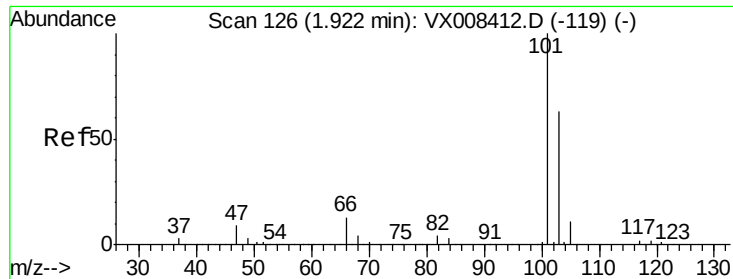
66 32.2 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

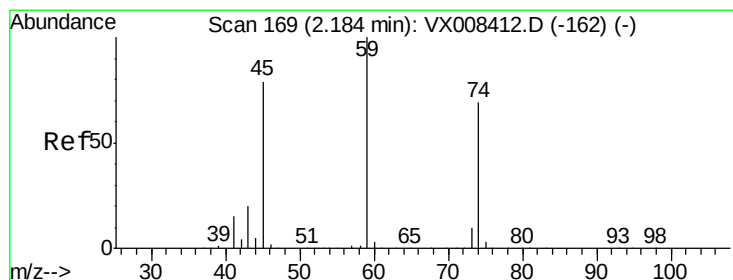
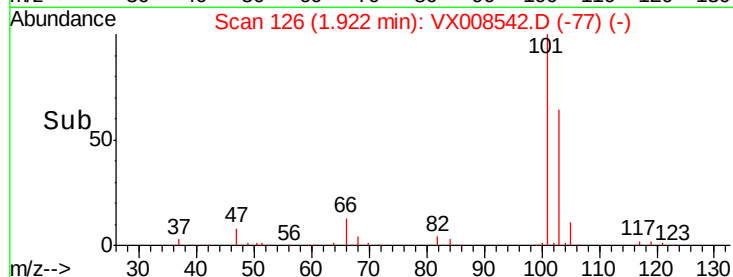
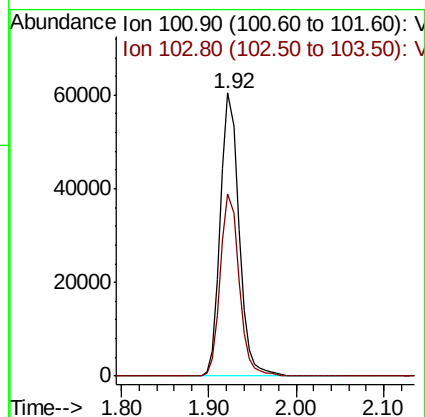
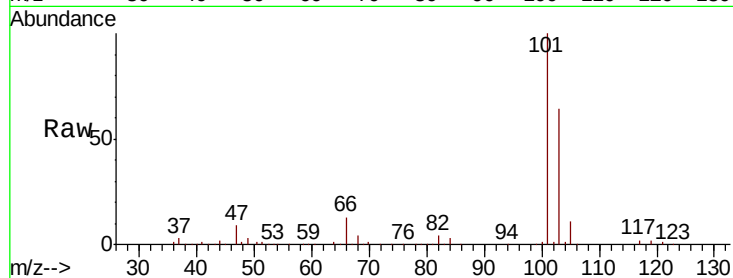
Trichlorofluoromethane
Concen: 20.005 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX008542.D
Acq: 29 Mar 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS02

Tot Ion:101 Resp: 89271
Ion Ratio Lower Upper
101 100
103 64.4 50.2 75.4

Manual Integrations
APPROVED

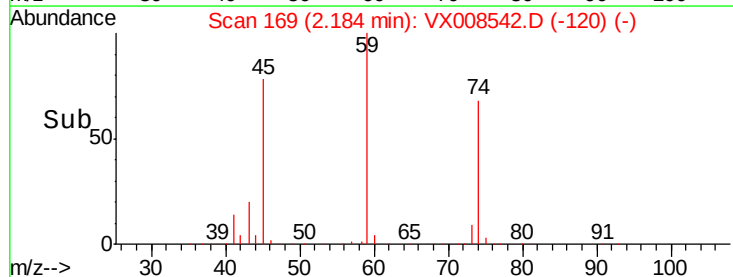
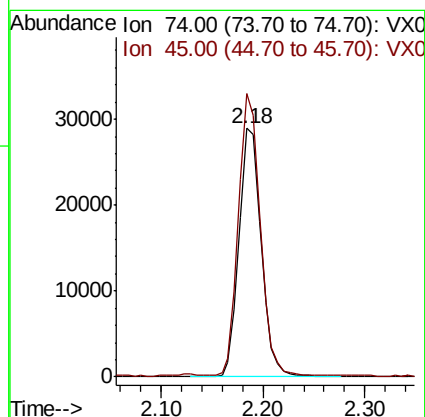
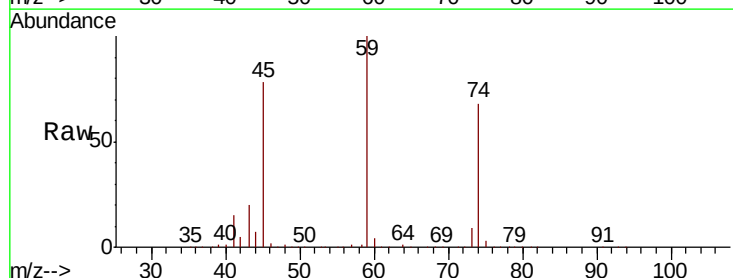
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3/30/2019 9:50:27 AM

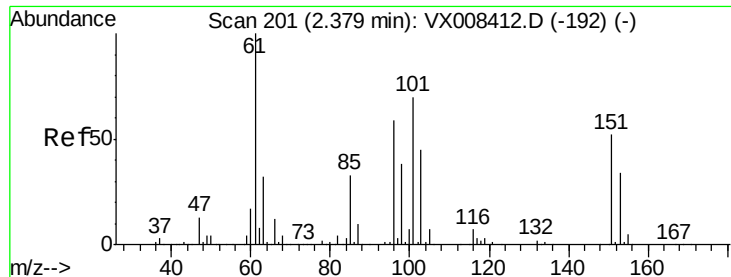


#8

Diethyl Ether
Concen: 20.649 ug/l
RT: 2.18 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX008542.D
Acq: 29 Mar 2019 14:40

Tgt Ion: 74 Resp: 43609
Ion Ratio Lower Upper
74 100
45 110.5 56.4 169.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.264 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX008542.D

Acq: 29 Mar 2019 14:40

Instrument :

MSVOA_X

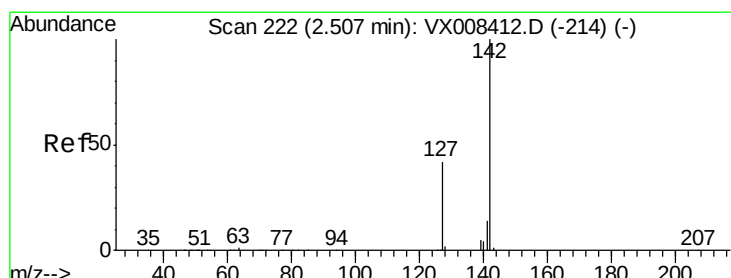
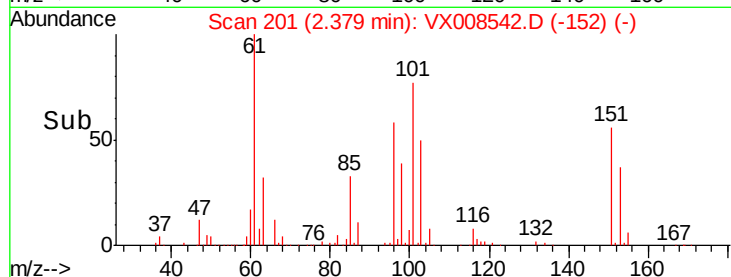
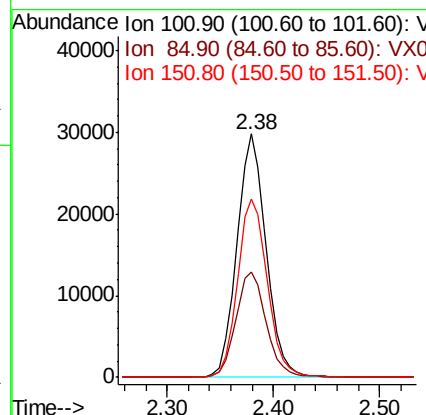
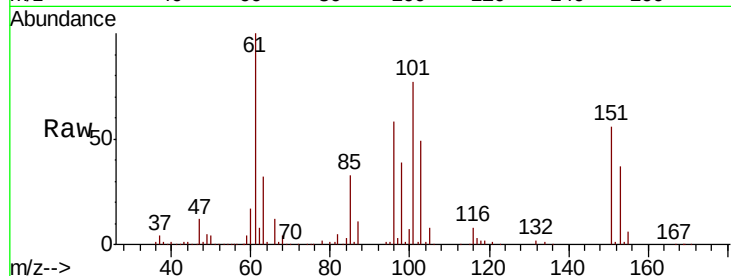
ClientSampleId :

VX0329WBS02

Tot Ion:	101	Resp:	57348
Ion Ratio	Lower	Upper	
101	100		
85	44.9	36.0	54.0
151	74.9	59.2	88.8

Manual Integrations
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#10

Methyl Iodide

Concen: 20.713 ug/l

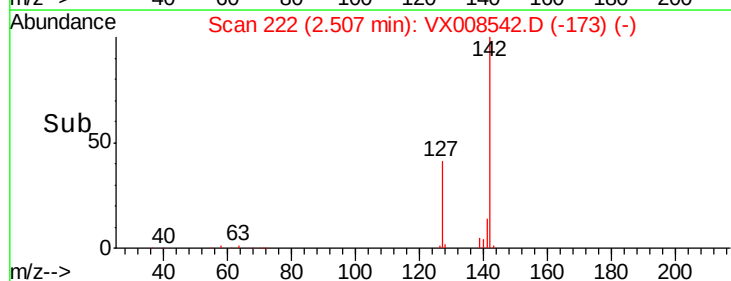
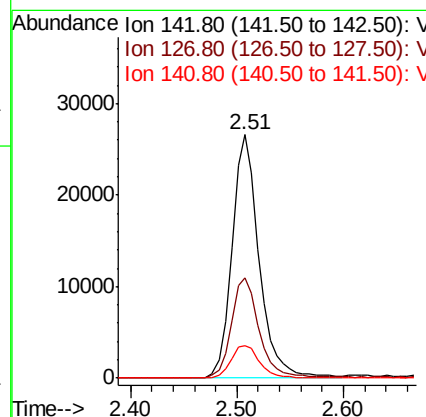
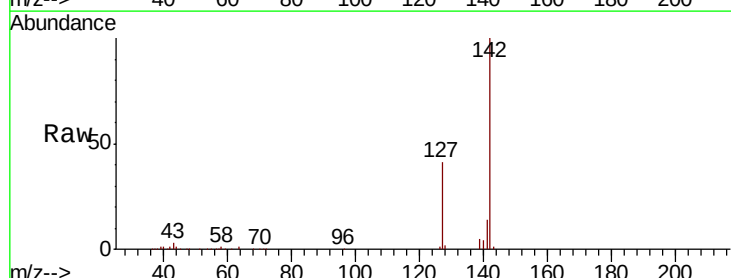
RT: 2.51 min Scan# 222

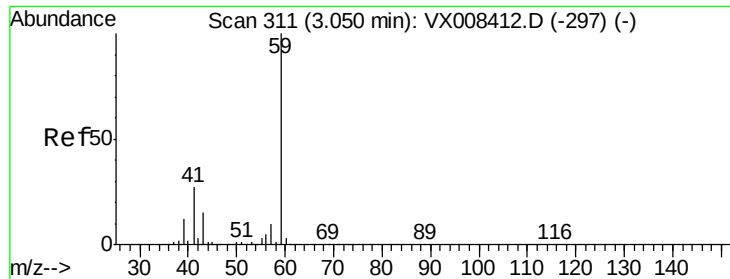
Delta R.T. 0.00 min

Lab File: VX008542.D

Acq: 29 Mar 2019 14:40

Tgt Ion:	142	Resp:	47434
Ion Ratio	Lower	Upper	
142	100		
127	42.4	33.6	50.4
141	14.4	11.3	16.9





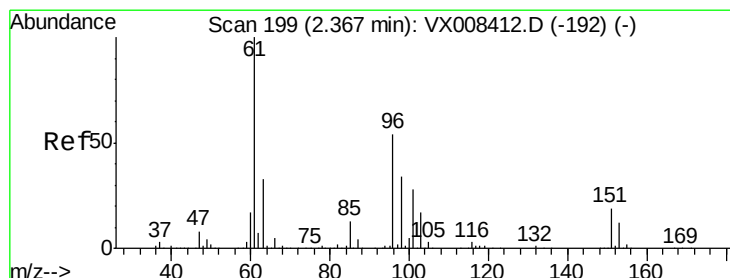
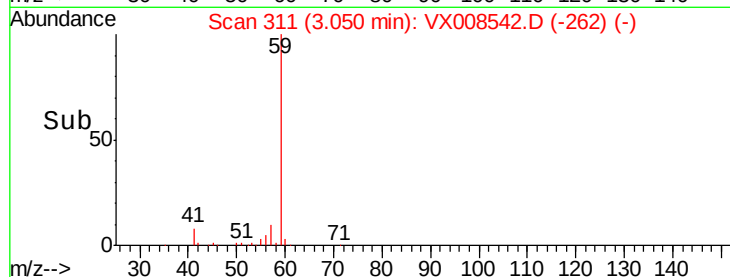
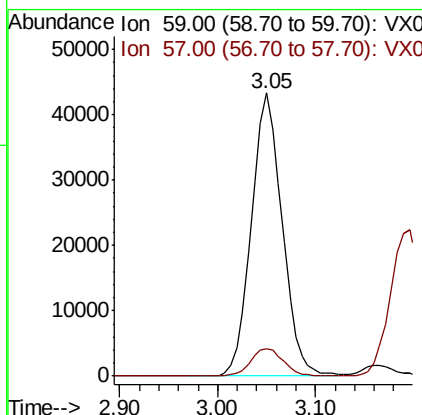
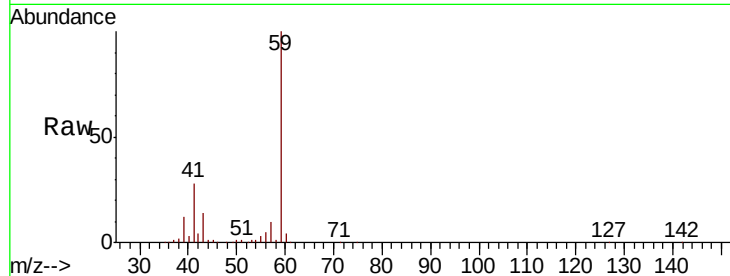
#11
Tert butyl alcohol
Concen: 118.131 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX008542.D
Acq: 29 Mar 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS02

Tot Ion: 59 Resp: 94994
Ion Ratio Lower Upper
59 100
57 10.6 8.2 12.4

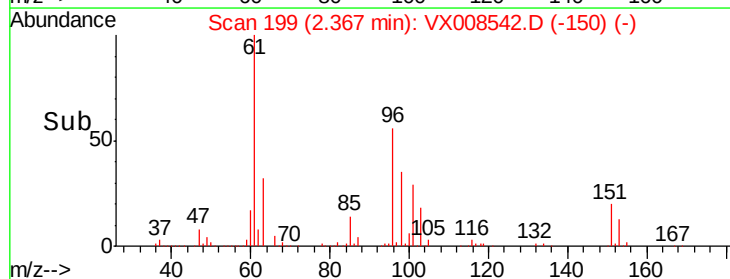
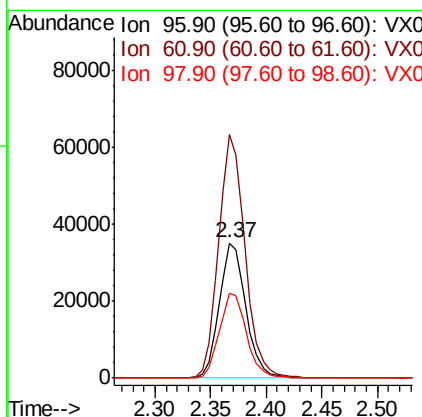
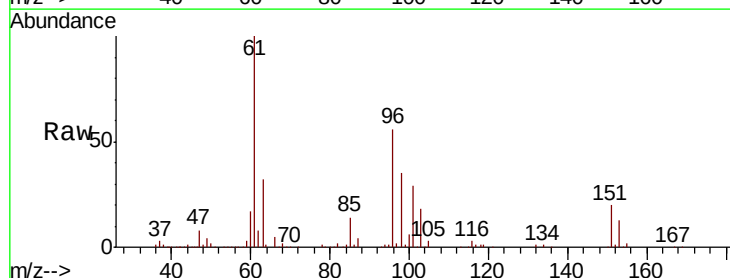
Manual Integrations
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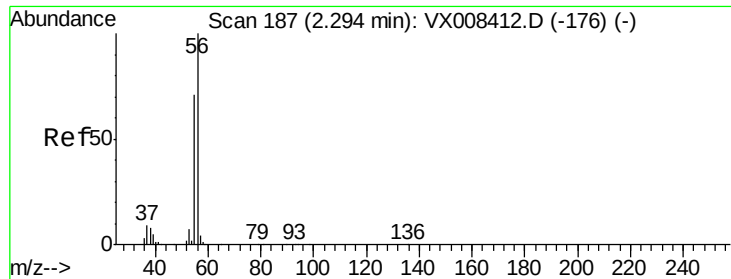
MMDadoda
3/30/2019 9:50:27 AM



#12
1,1-Dichloroethene
Concen: 20.818 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX008542.D
Acq: 29 Mar 2019 14:40

Tgt Ion: 96 Resp: 57983
Ion Ratio Lower Upper
96 100
61 179.9 146.9 220.3
98 62.7 50.1 75.1





#13

Acrolein

Concen: 91.189 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008542.D

Acq: 29 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBS02

Tot Ion: 56 Resp: 53251

Ion Ratio Lower Upper

56 100

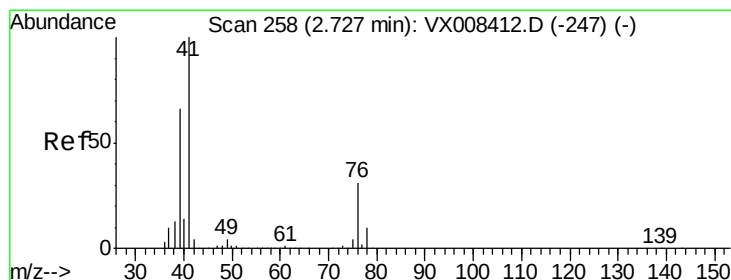
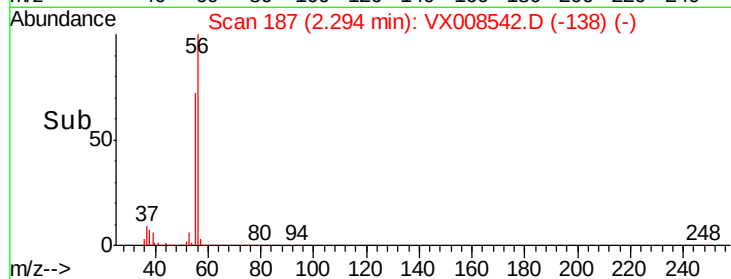
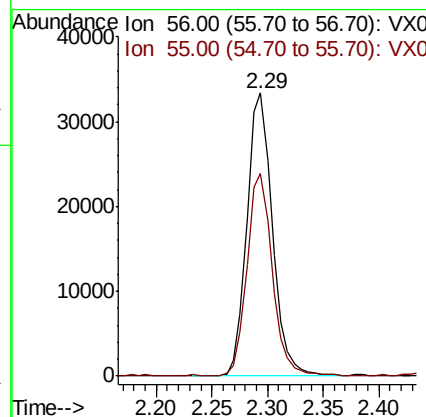
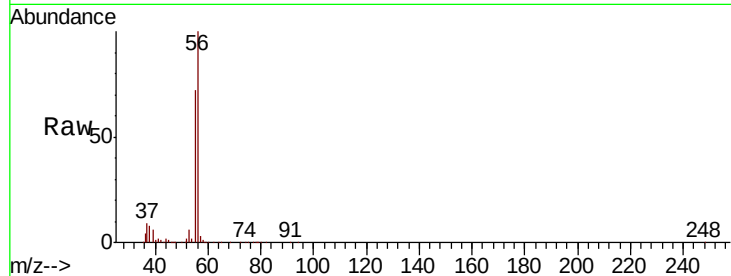
55 70.1 56.5 84.7

Manual Integrations

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MMDadoda

3/30/2019 9:50:27 AM



#14

Allyl chloride

Concen: 21.853 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX008542.D

Acq: 29 Mar 2019 14:40

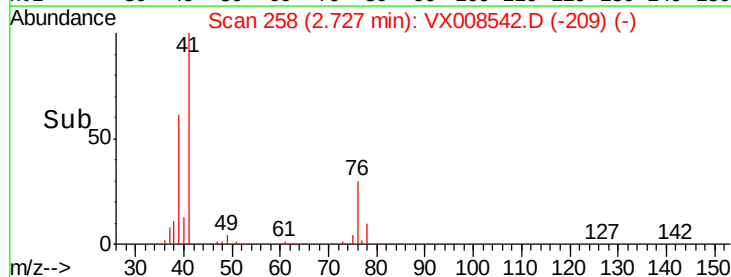
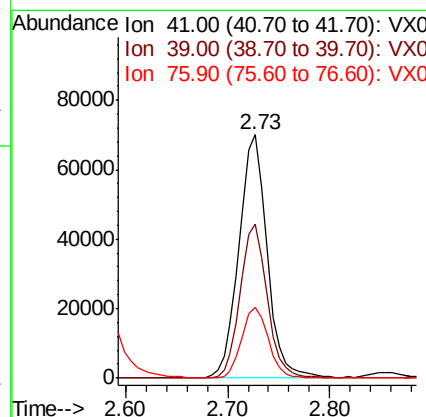
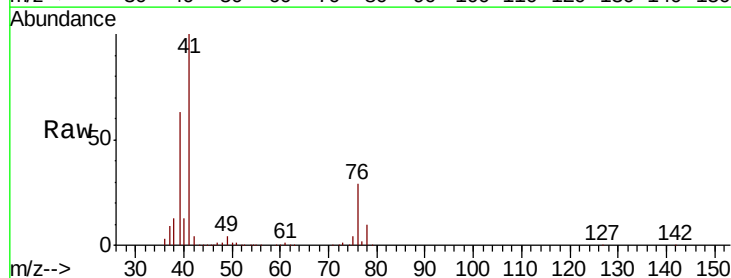
Tgt Ion: 41 Resp: 134094

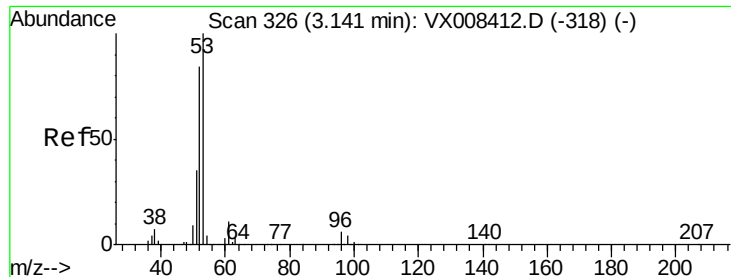
Ion Ratio Lower Upper

41 100

39 60.4 49.6 74.4

76 27.5 22.6 34.0





#15

Acrylonitrile

Concen: 112.854 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX008542.D

Acq: 29 Mar 2019 14:40

Instrument :

MSVOA_X

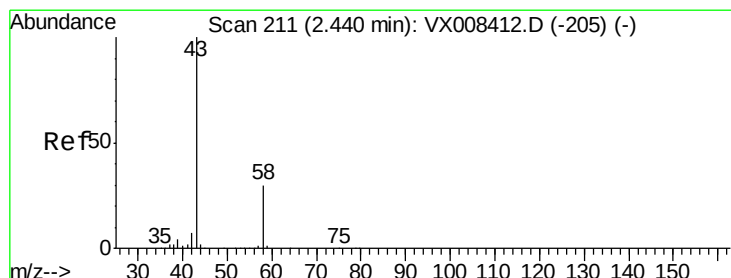
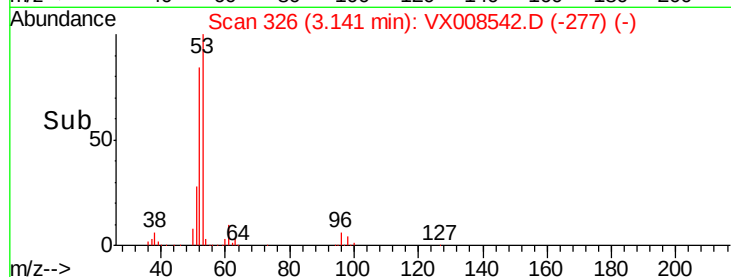
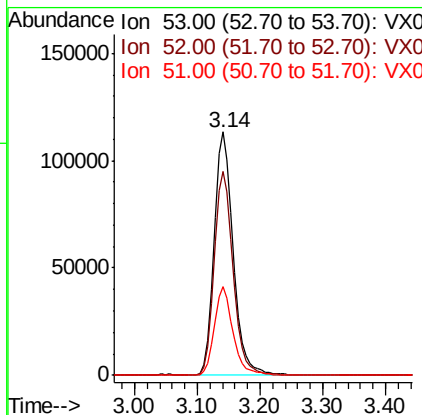
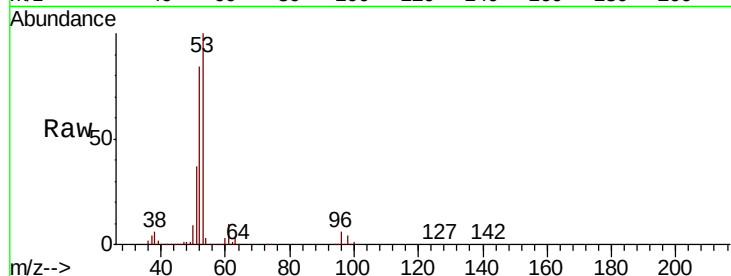
ClientSampleId :

VX0329WBS02

Tot Ion:	53	Resp:	237965
Ion Ratio	Lower	Upper	
53	100		
52	83.0	66.5	99.7
51	35.5	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 121.743 ug/l

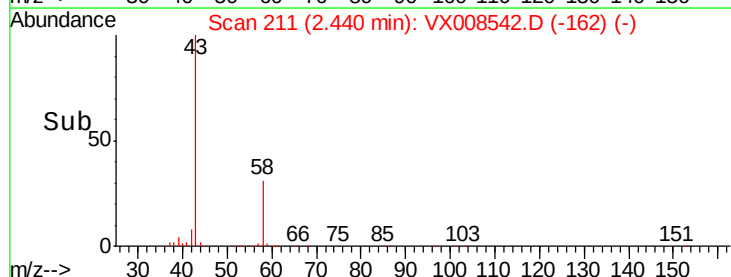
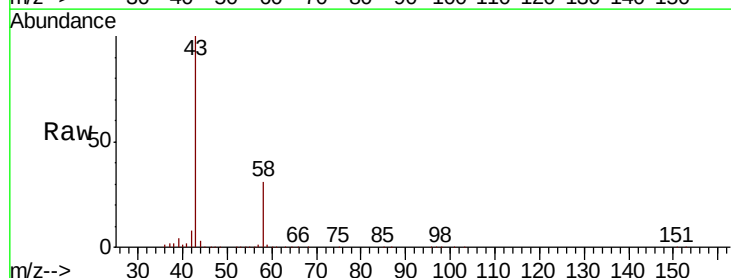
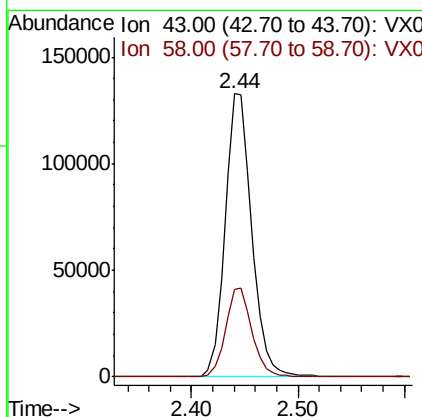
RT: 2.44 min Scan# 211

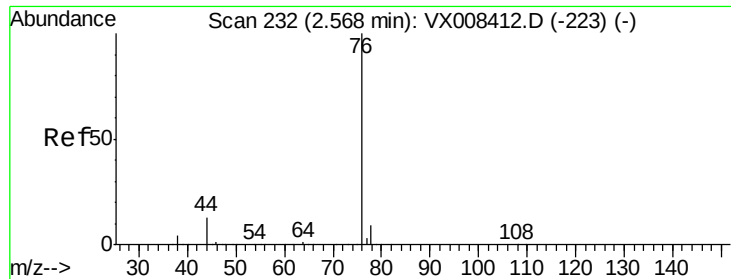
Delta R.T. 0.00 min

Lab File: VX008542.D

Acq: 29 Mar 2019 14:40

Tgt Ion:	43	Resp:	230944
Ion Ratio	Lower	Upper	
43	100		
58	30.9	24.2	36.2





#17

Carbon Disulfide

Concen: 19.997 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008542.D

Acq: 29 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBS02

Tot Ion: 76 Resp: 161639

Ion Ratio Lower Upper

76 100

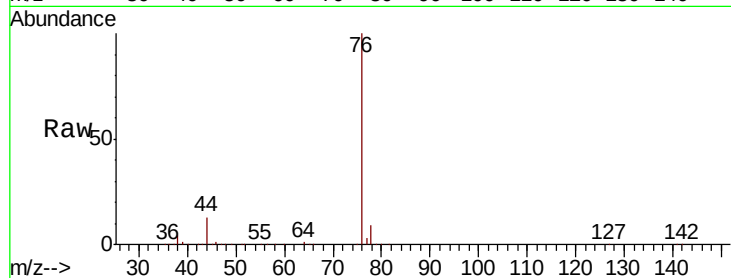
78 8.9 7.4 11.2

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

100000

80000

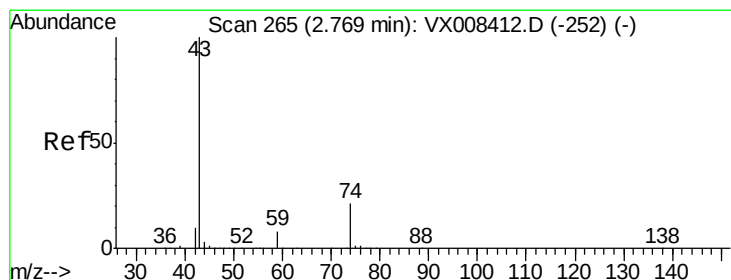
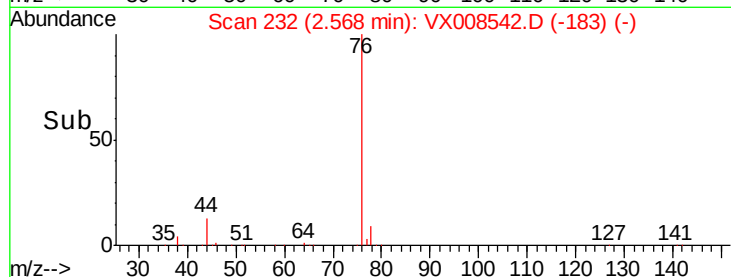
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 22.706 ug/l

RT: 2.77 min Scan# 265

Delta R.T. 0.00 min

Lab File: VX008542.D

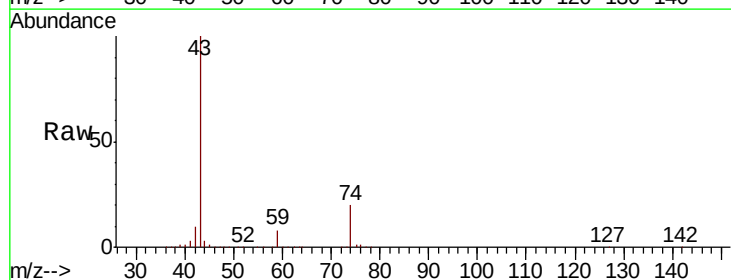
Acq: 29 Mar 2019 14:40

Tgt Ion: 43 Resp: 103447

Ion Ratio Lower Upper

43 100

74 20.8 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.77

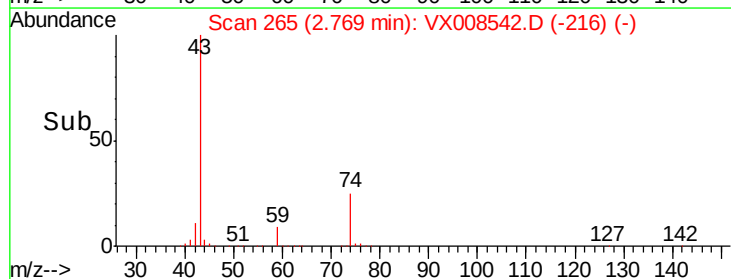
60000

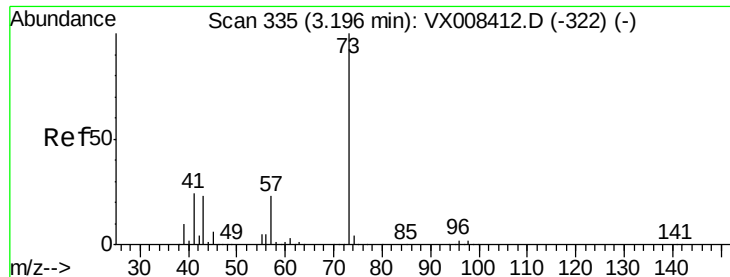
40000

20000

0

Time-->





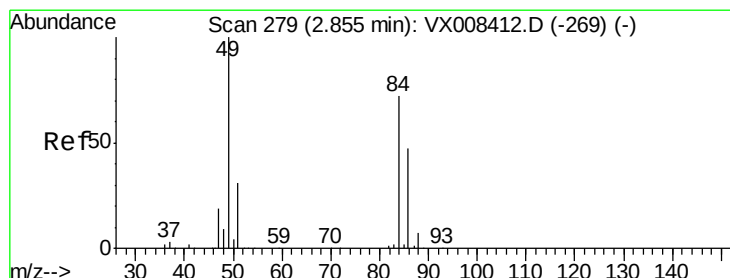
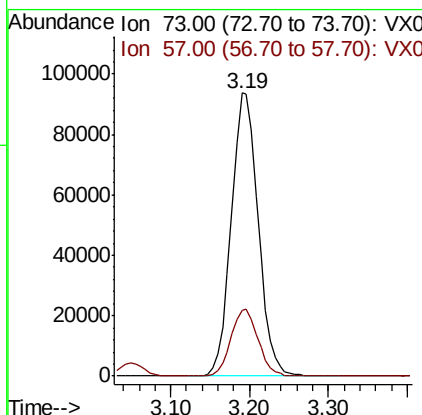
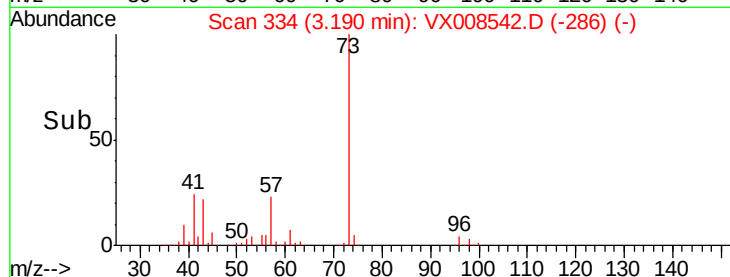
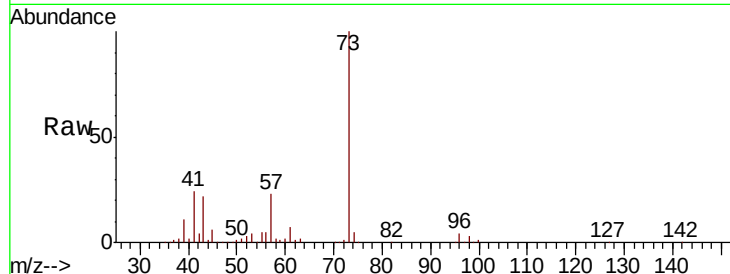
#19
Methyl tert-butyl Ether
Concen: 22.188 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX008542.D
Acq: 29 Mar 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.3	18.6	28.0

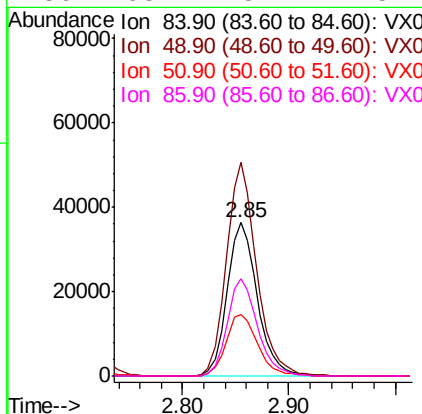
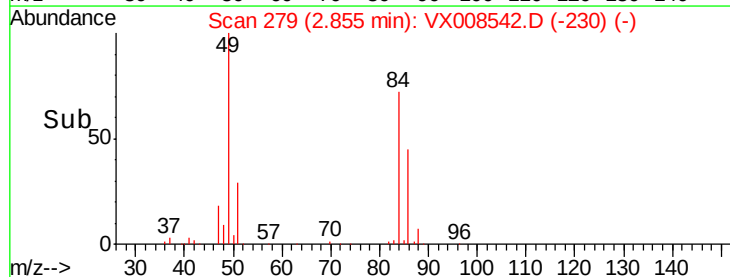
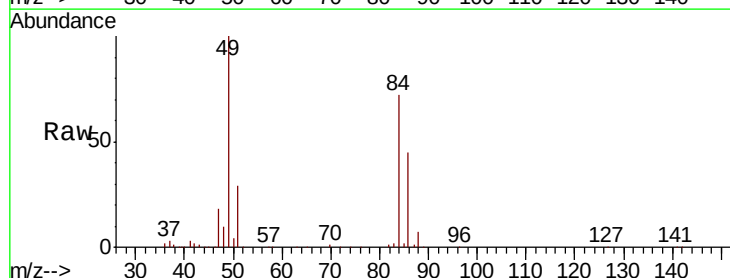
Manual Integrations
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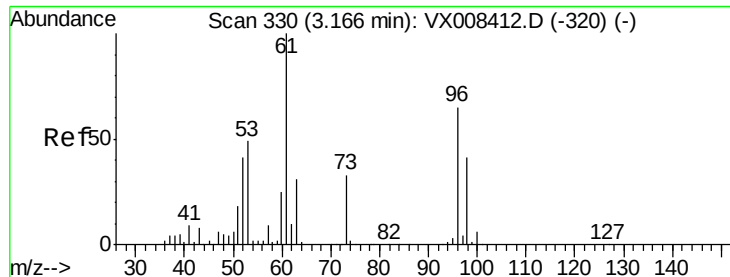
MMDadoda
3/30/2019 9:50:27 AM



#20
Methylene Chloride
Concen: 22.954 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX008542.D
Acq: 29 Mar 2019 14:40

Tgt Ion	Ratio	Lower	Upper
84	100		
49	138.7	110.6	165.8
51	40.1	33.9	50.9
86	63.1	52.2	78.2





#21

trans-1,2-Dichloroethene

Concen: 22.069 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX008542.D

Acq: 29 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBS02

Tot Ion: 96 Resp: 61669

Ion Ratio Lower Upper

96 100

61 157.0 122.6 184.0

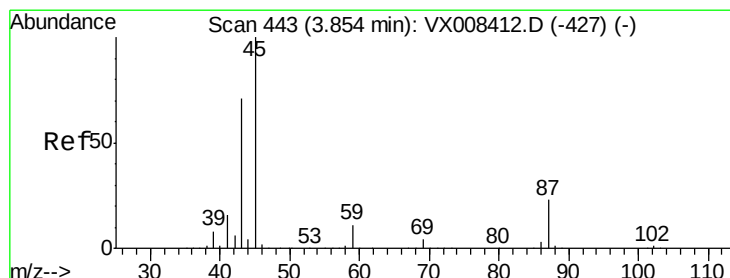
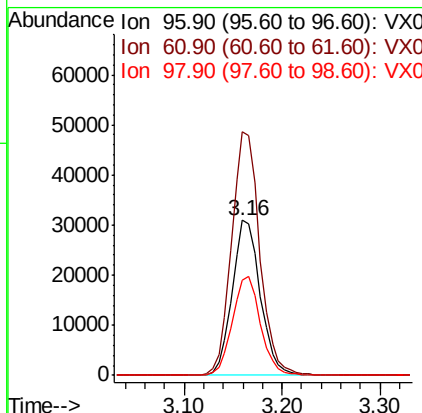
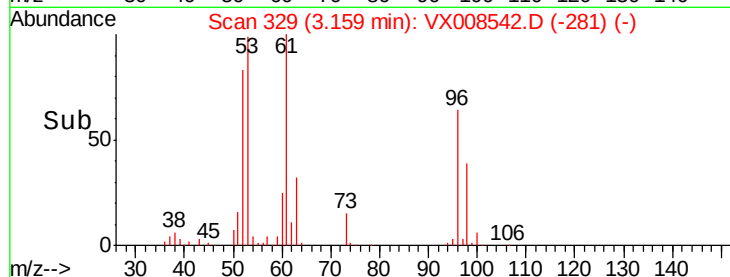
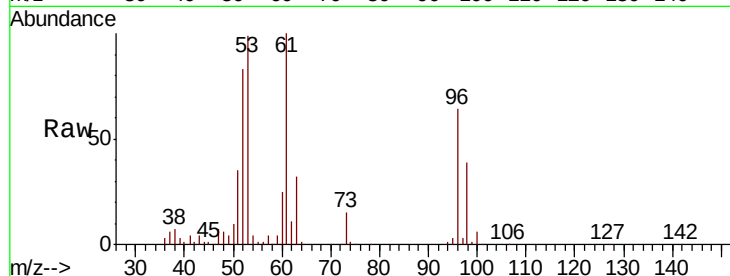
98 61.7 50.9 76.3

Manual Integrations

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3/30/2019 9:50:27 AM



#22

Diisopropyl ether

Concen: 22.334 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX008542.D

Acq: 29 Mar 2019 14:40

Tgt Ion: 45 Resp: 269848

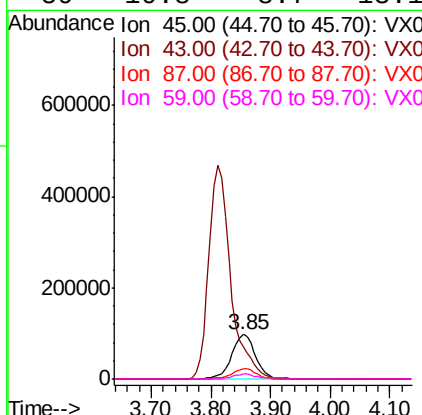
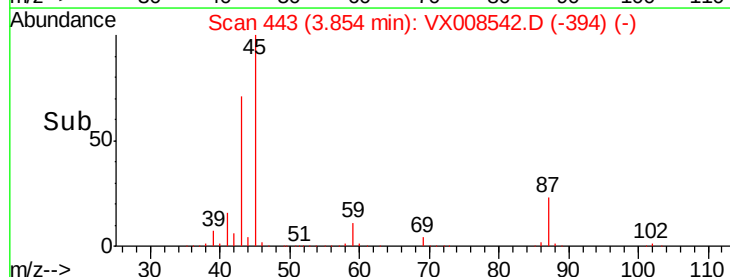
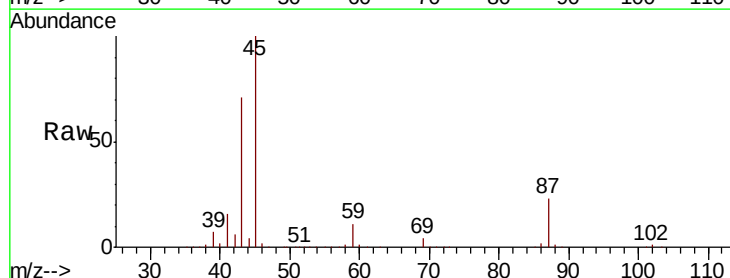
Ion Ratio Lower Upper

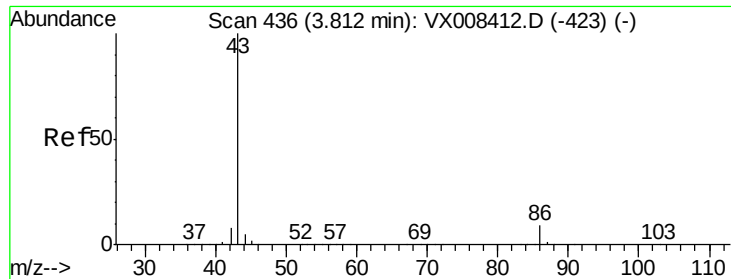
45 100

43 70.9 57.1 85.7

87 23.3 18.8 28.2

59 10.8 8.7 13.1





#23

Vinyl Acetate

Concen: 113.195 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX008542.D

Acq: 29 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampled :

VX0329WBS02

Tot Ion: 43 Resp: 1193215

Ion Ratio Lower Upper

43 100

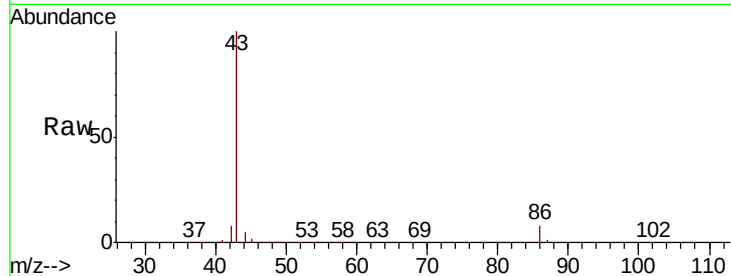
86 8.5 6.9 10.3

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.81

500000

400000

300000

200000

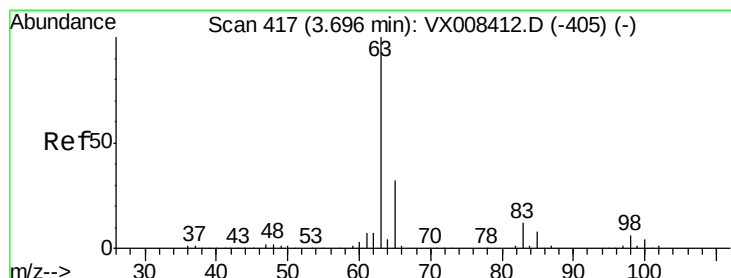
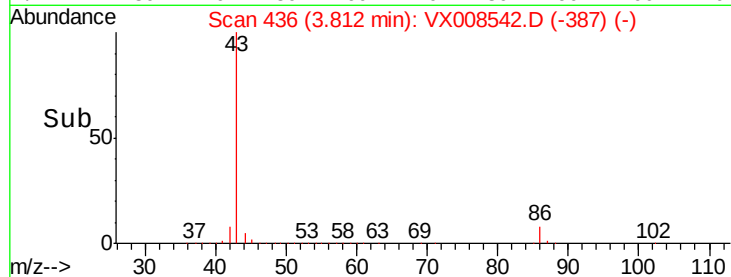
100000

0

3.80

4.00

Time-->



#24

1,1-Dichloroethane

Concen: 21.715 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008542.D

Acq: 29 Mar 2019 14:40

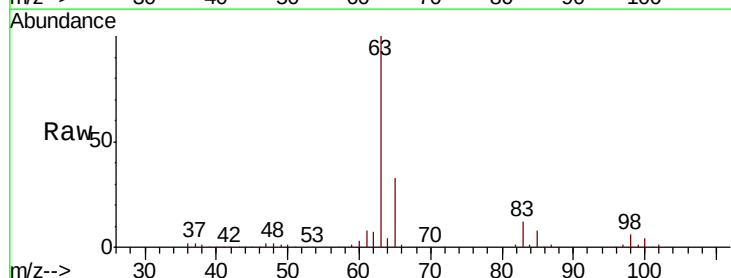
Tgt Ion: 63 Resp: 132457

Ion Ratio Lower Upper

63 100

98 6.3 3.2 9.6

100 3.9 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

60000

40000

20000

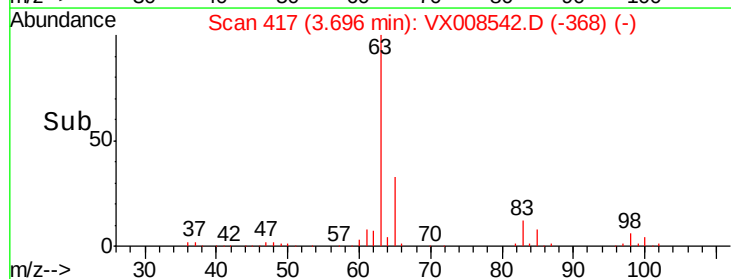
0

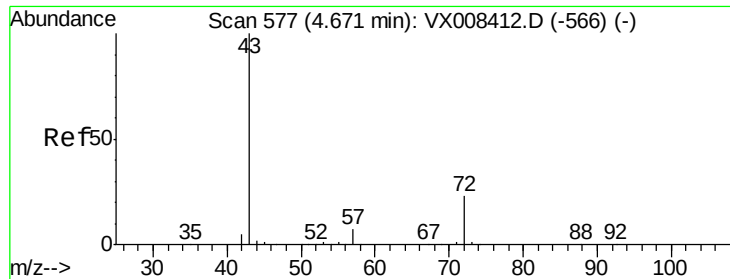
3.60

3.70

3.80

Time-->





#25

2-Butanone

Concen: 117.854 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX008542.D

Acq: 29 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBS02

Tot Ion: 43 Resp: 358418

Ion Ratio Lower Upper

43 100

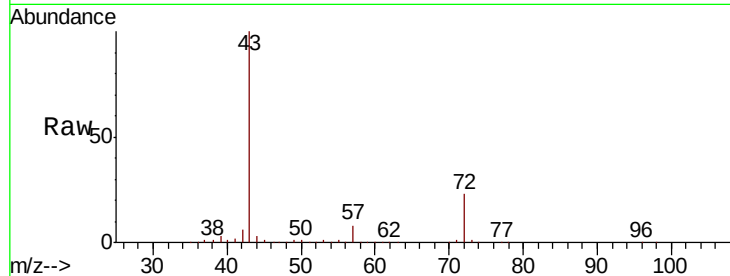
72 23.1 18.6 28.0

Manual Integrations

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MMDadoda

3/30/2019 9:50:27 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

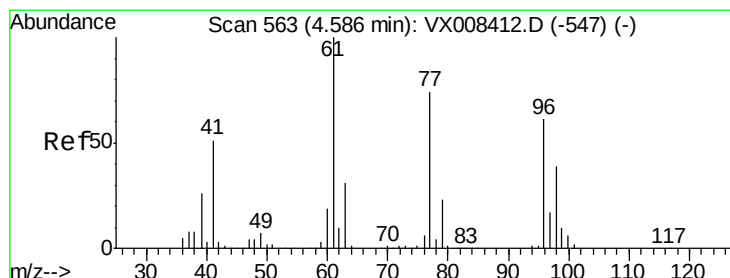
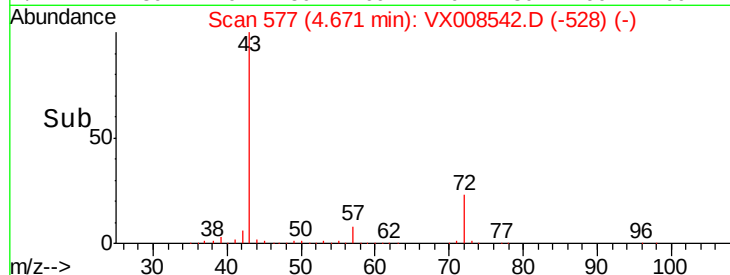
100000

50000

0

4.60 4.67 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 22.737 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008542.D

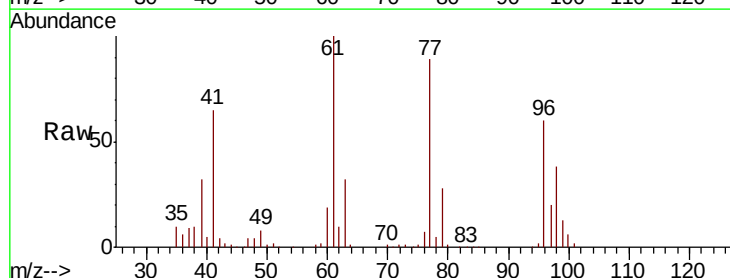
Acq: 29 Mar 2019 14:40

Tgt Ion: 77 Resp: 92246

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

30000

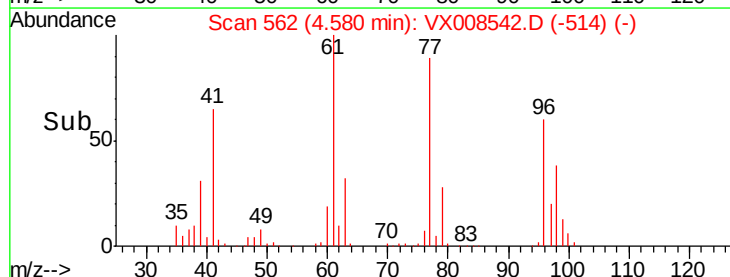
20000

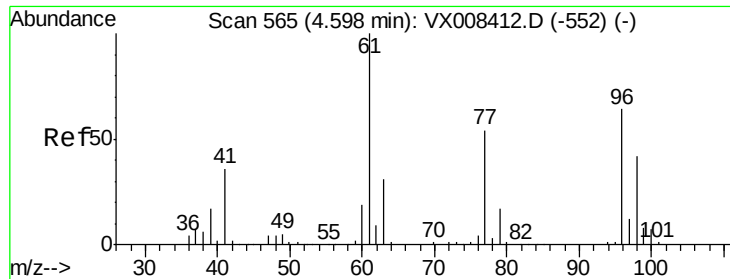
10000

0

4.50 4.58 4.60 4.70

Time-->





#27

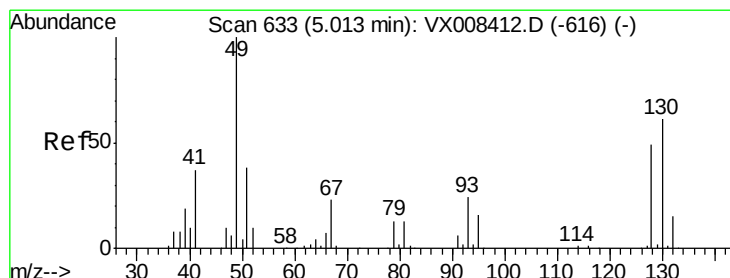
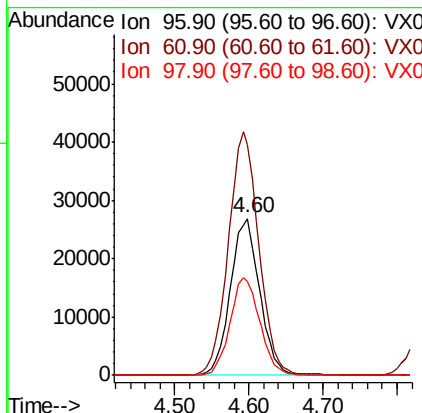
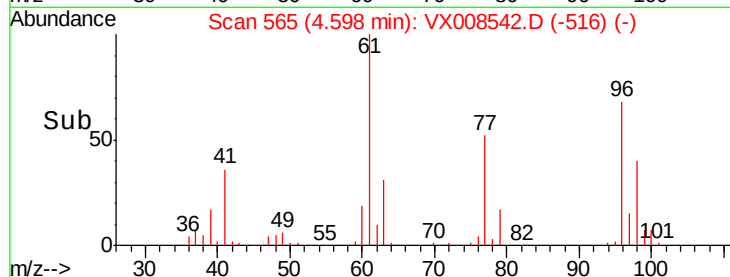
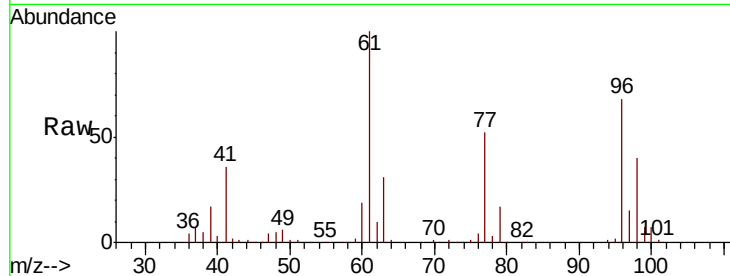
cis-1,2-Dichloroethene
Concen: 21.892 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX008542.D
Acq: 29 Mar 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.7	0.0	325.6
98	63.0	0.0	130.0

Manual Integrations
APPROVED

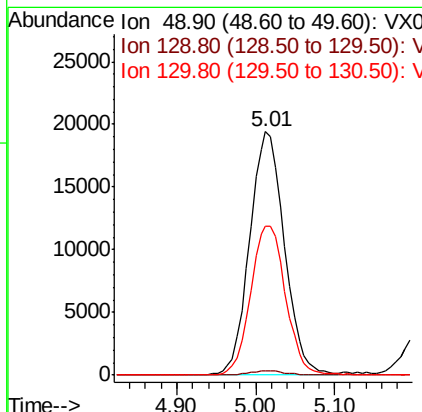
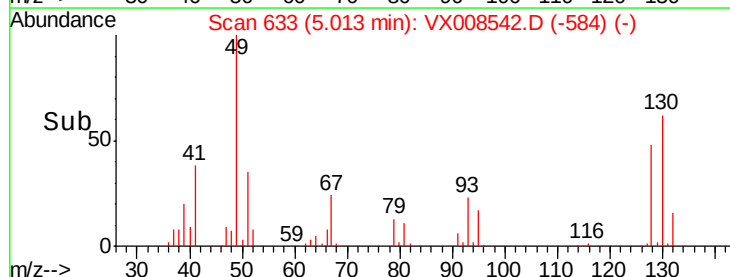
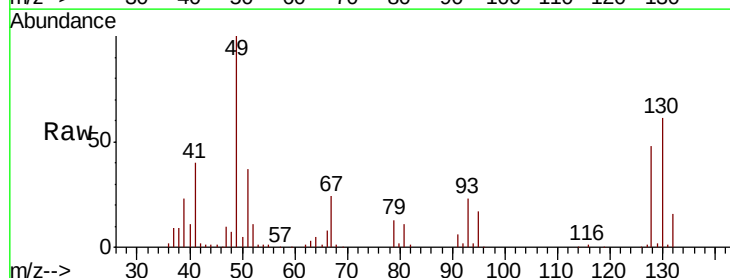
MMDadoda
3/30/2019 9:50:27 AM

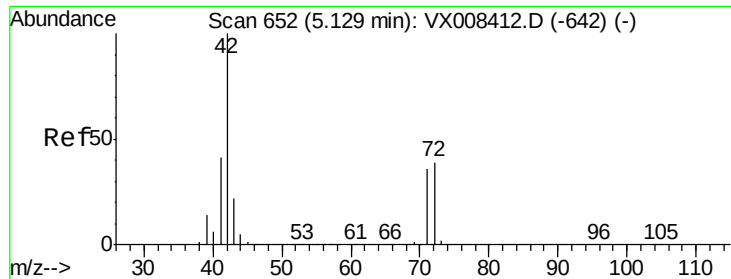


#28

Bromochloromethane
Concen: 19.774 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX008542.D
Acq: 29 Mar 2019 14:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	61.4	49.8	74.6





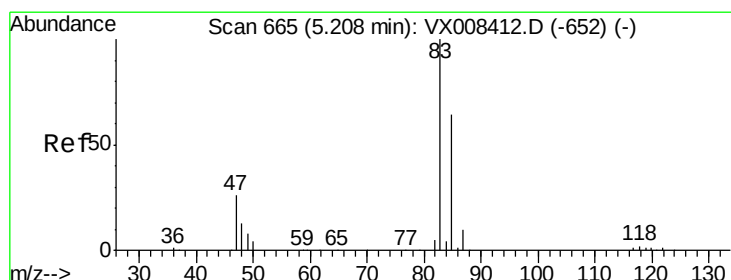
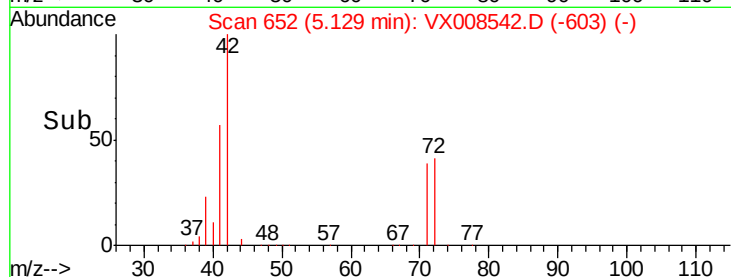
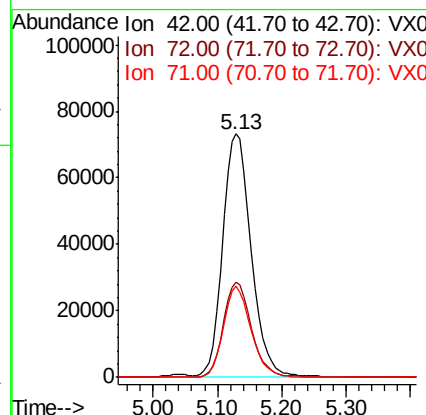
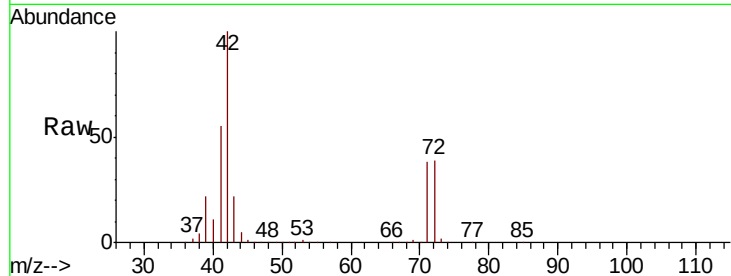
#29
Tetrahydrofuran
Concen: 113.177 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX008542.D
Acq: 29 Mar 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.1	31.4	47.2
71	36.5	29.4	44.2

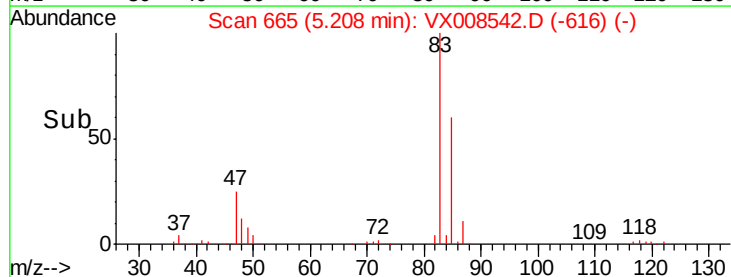
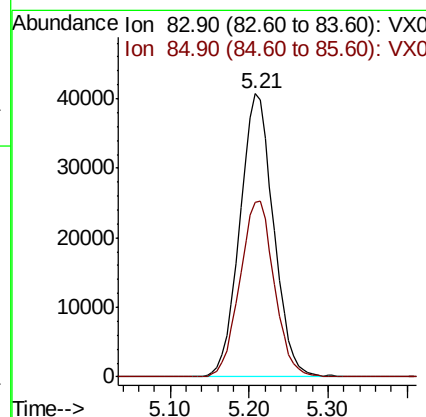
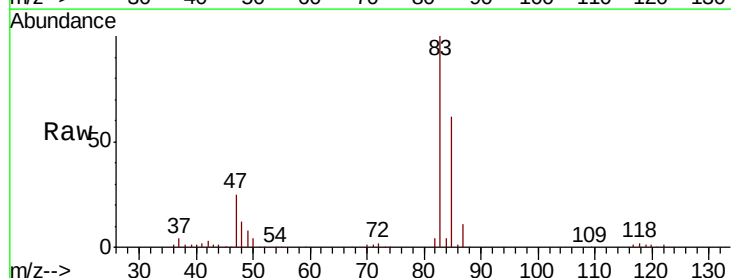
Manual Integrations
APPROVED

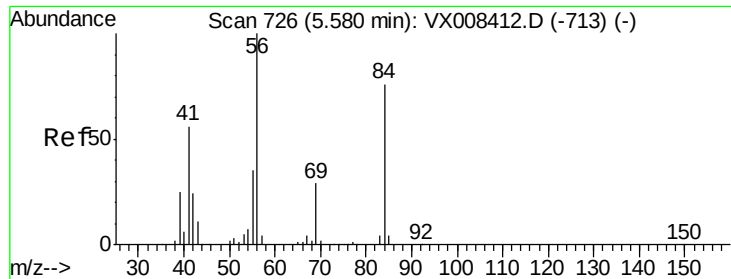
MMDadoda
3/30/2019 9:50:27 AM



#30
Chloroform
Concen: 21.954 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX008542.D
Acq: 29 Mar 2019 14:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.6	51.4	77.2





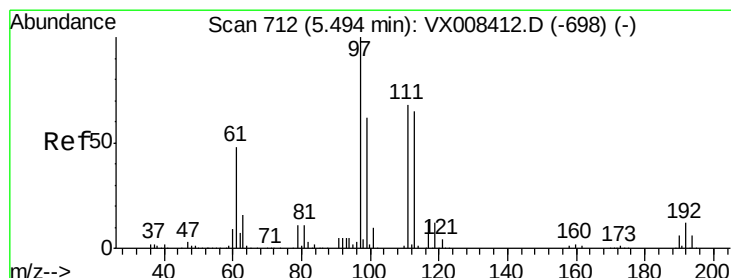
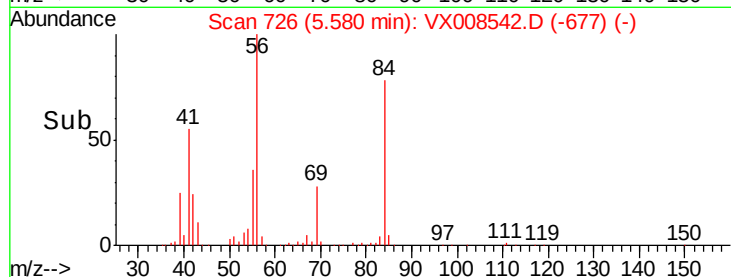
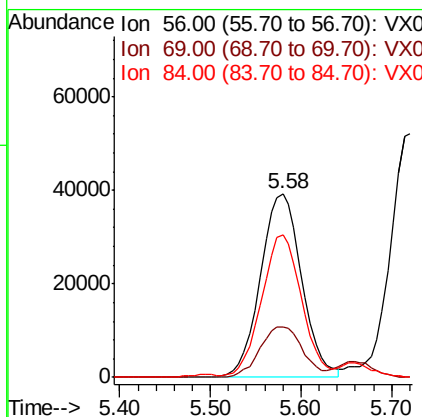
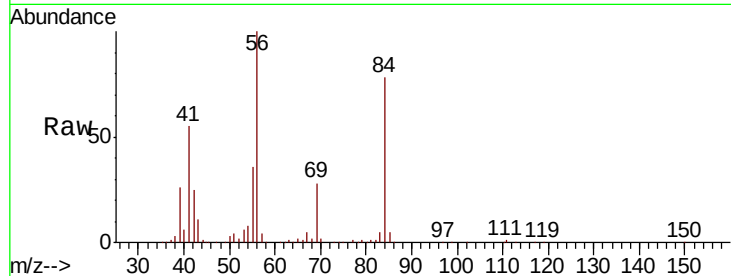
#31
Cyclohexane
Concen: 21.189 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX008542.D
Acq: 29 Mar 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.7	23.2	34.8
84	76.8	60.7	91.1

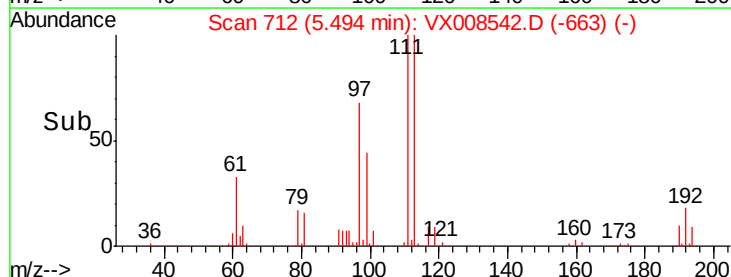
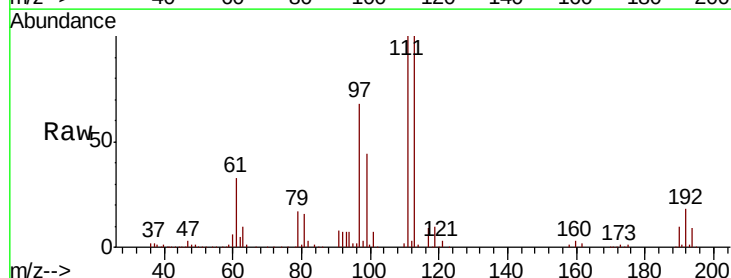
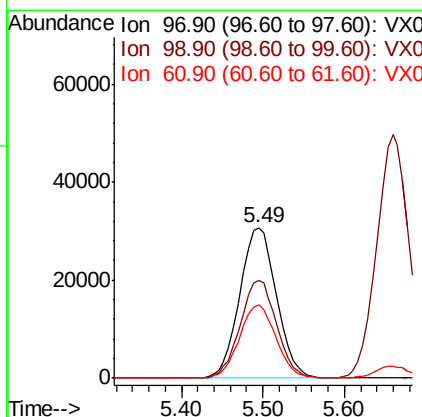
Manual Integrations
APPROVED

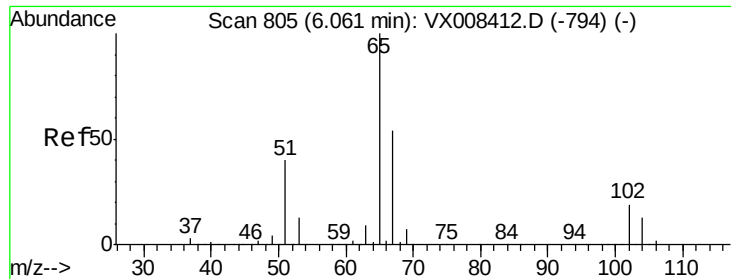
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 21.862 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX008542.D
Acq: 29 Mar 2019 14:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.5	77.3
61	48.5	38.8	58.2





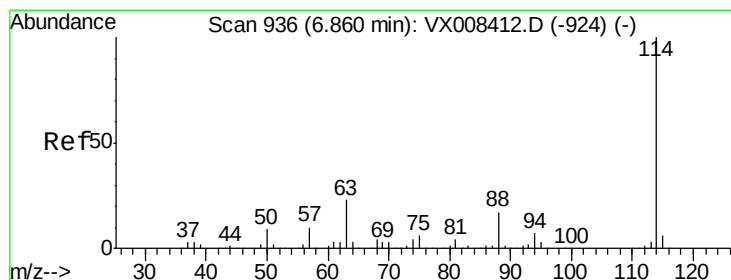
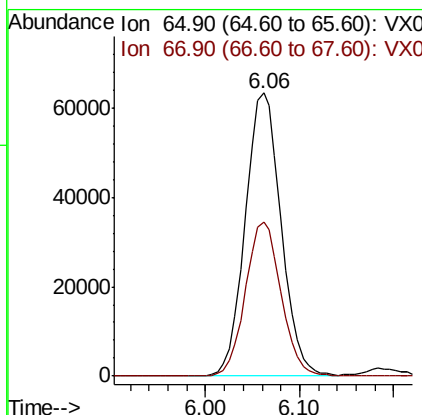
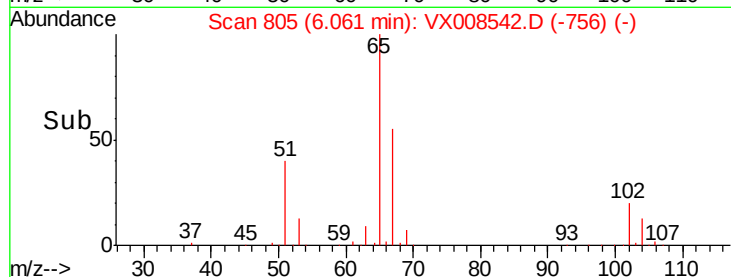
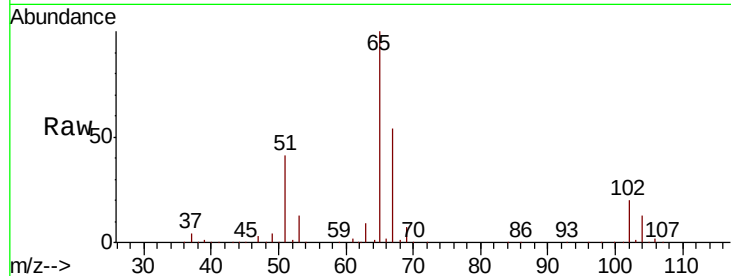
#33
 1,2-Dichloroethane-d4
 Concen: 46.631 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX008542.D
 Acq: 29 Mar 2019 14:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	169248		
67	54.1	0.0	109.4	

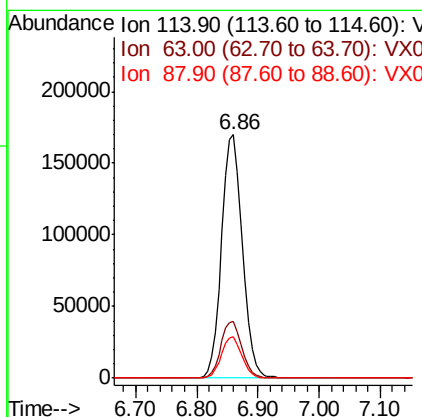
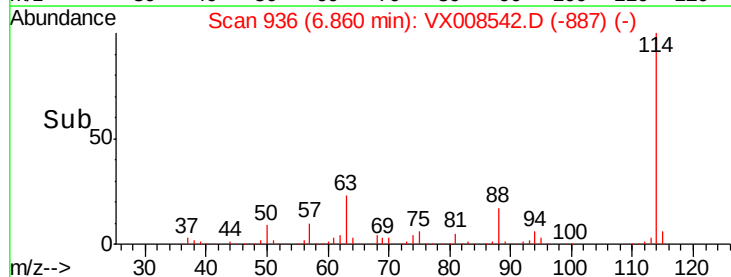
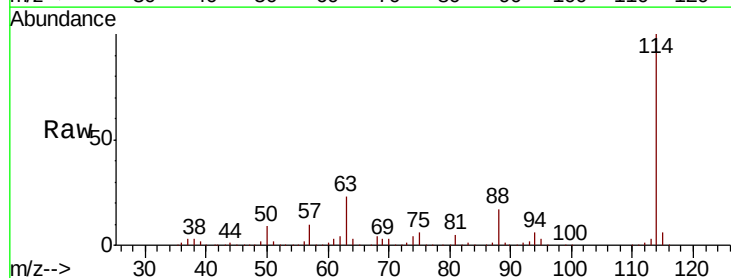
Manual Integrations
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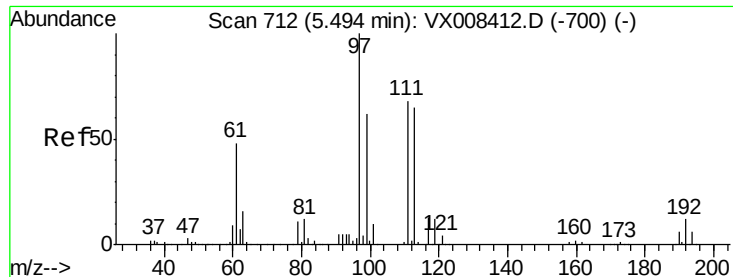
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008542.D
 Acq: 29 Mar 2019 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	402191		
63	23.1	0.0	46.4	
88	16.8	0.0	33.2	





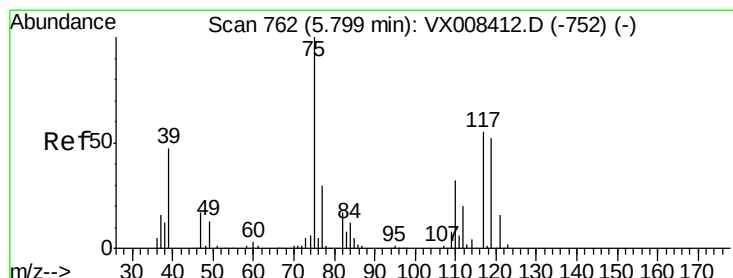
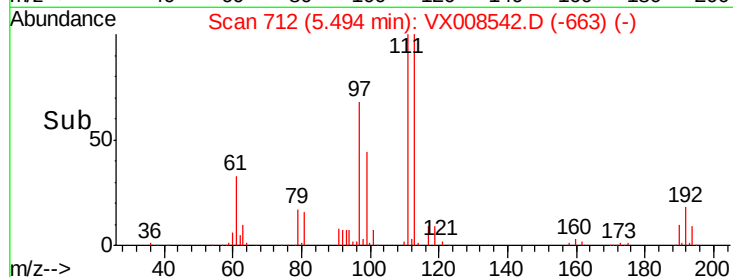
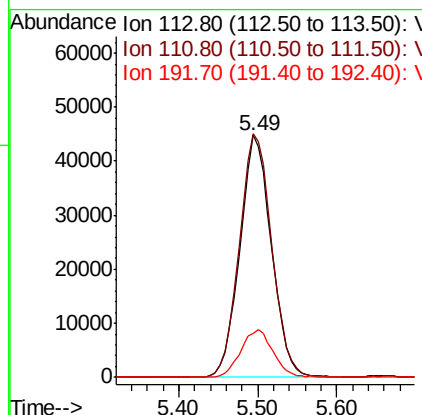
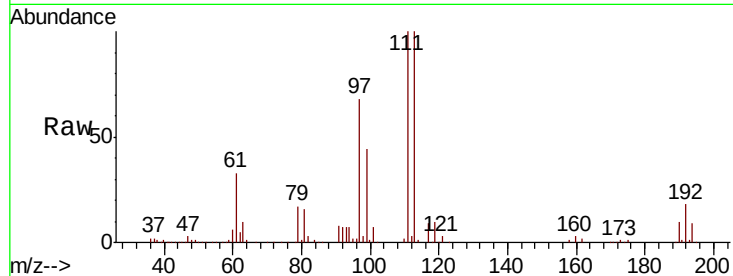
#35
 Dibromofluoromethane
 Concen: 47.461 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX008542.D
 Acq: 29 Mar 2019 14:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	124465		
111	103.7	83.0	124.4	
192	20.2	15.6	23.4	

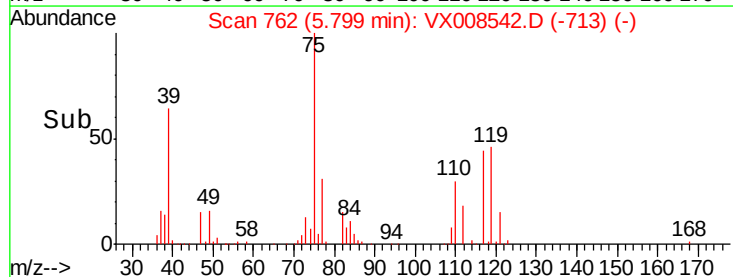
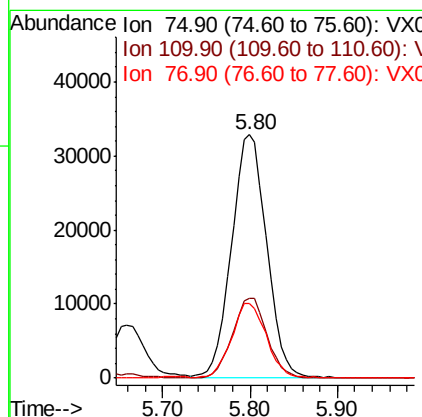
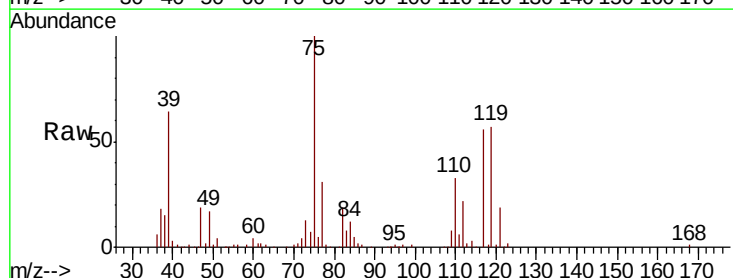
Manual Integrations
 APPROVED

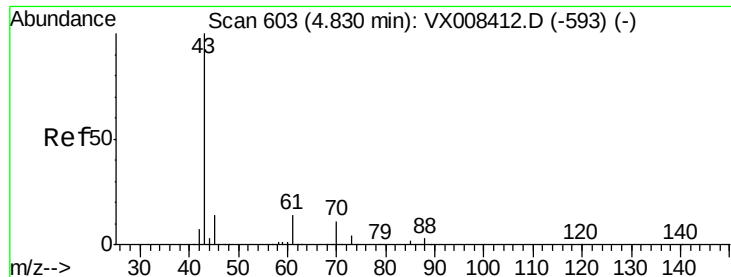
MMDadoda
 3/30/2019 9:50:27 AM



#36
 1,1-Dichloropropene
 Concen: 21.206 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX008542.D
 Acq: 29 Mar 2019 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	90936		
110	32.9	16.6	49.7	
77	30.7	24.2	36.2	





#37

Ethyl Acetate

Concen: 23.144 ug/l

RT: 4.83 min Scan# 603

Delta R.T. 0.00 min

Lab File: VX008542.D

Acq: 29 Mar 2019 14:40

Instrument :

MSVOA_X

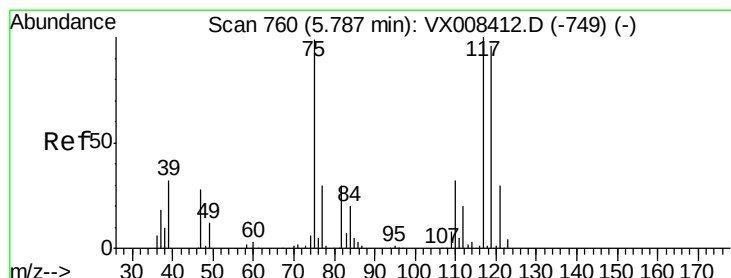
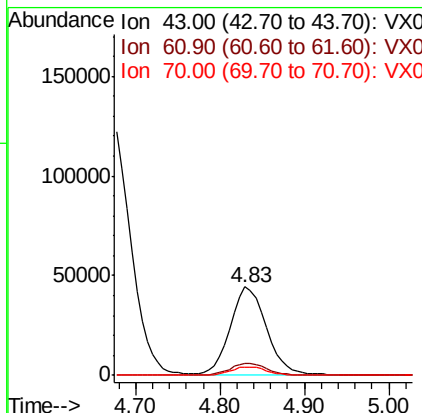
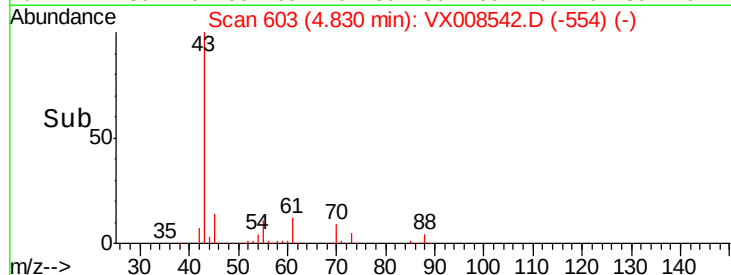
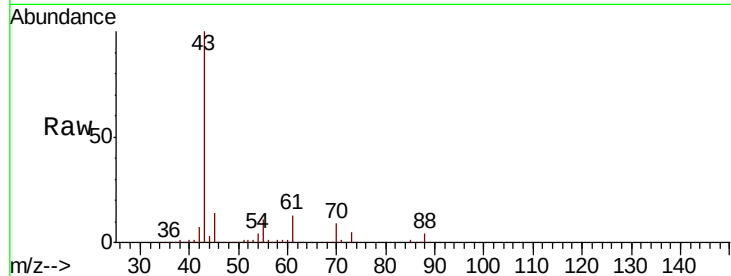
ClientSampleId :

VX0329WBS02

Tot Ion:	43	Resp:	128573
Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.5	15.7
70	10.0	7.8	11.8

Manual Integrations
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3/30/2019 9:50:27 AM



#38

Carbon Tetrachloride

Concen: 21.995 ug/l

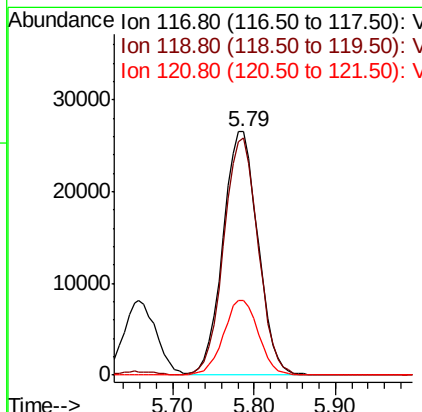
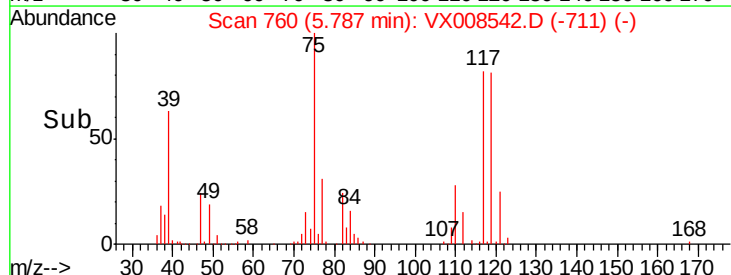
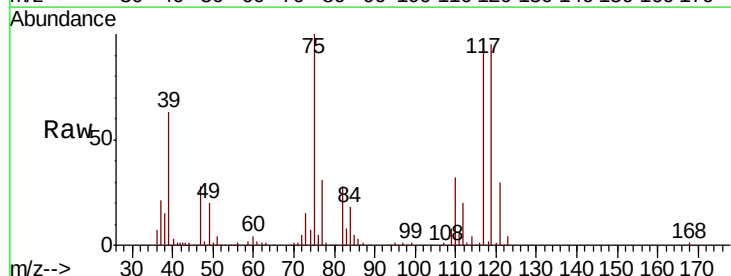
RT: 5.79 min Scan# 760

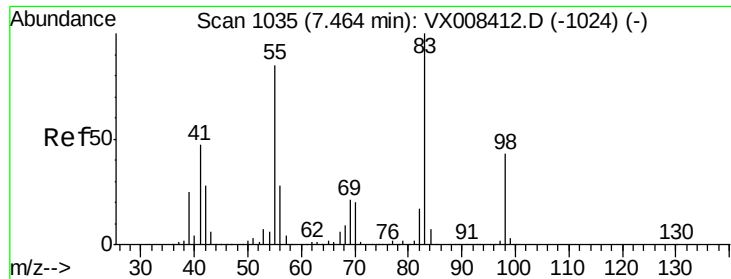
Delta R.T. 0.00 min

Lab File: VX008542.D

Acq: 29 Mar 2019 14:40

Tgt Ion:	117	Resp:	78714
Ion	Ratio	Lower	Upper
117	100		
119	97.5	76.7	115.1
121	30.5	24.3	36.5





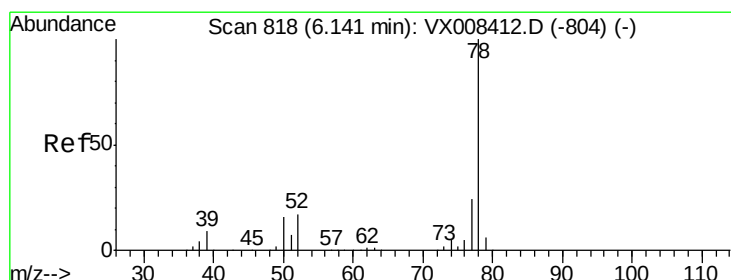
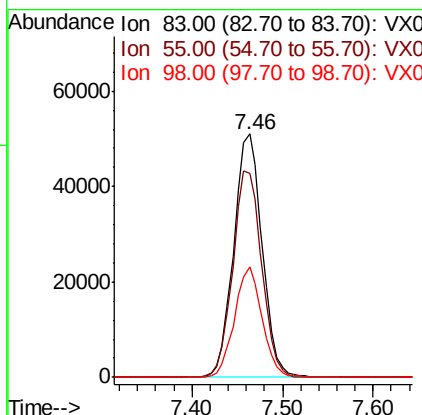
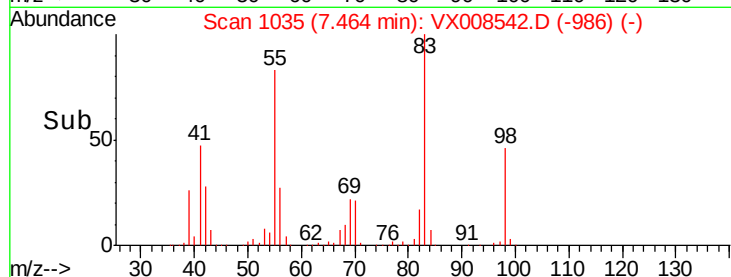
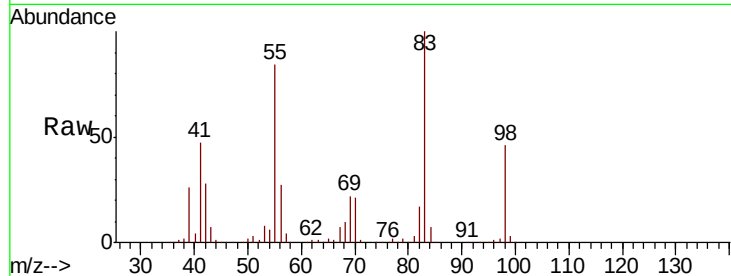
#39
Methylvlcyclohexane
Concen: 21.625 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008542.D
Acq: 29 Mar 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.5	68.2	102.4
98	45.6	34.2	51.4

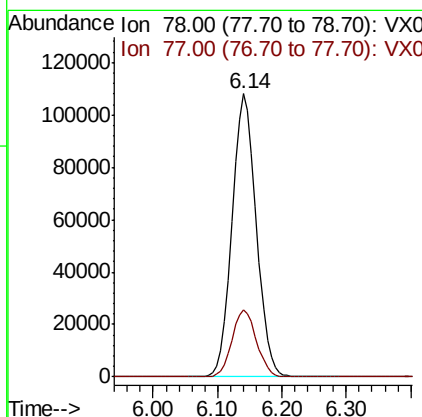
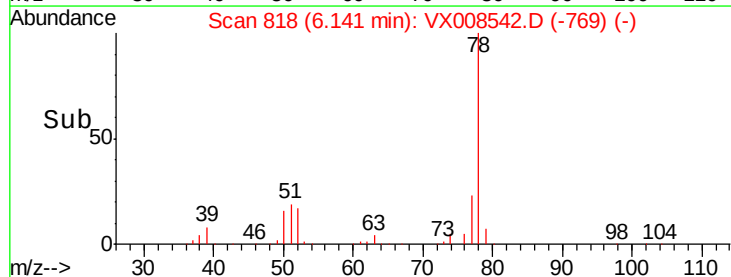
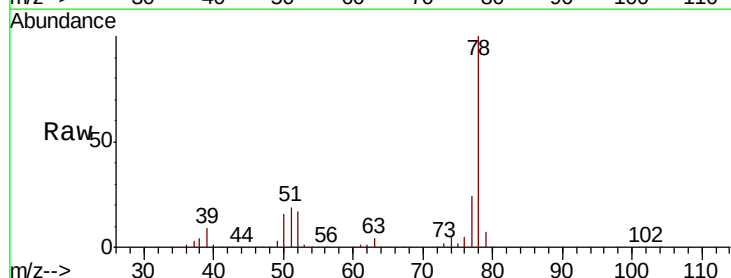
Manual Integrations
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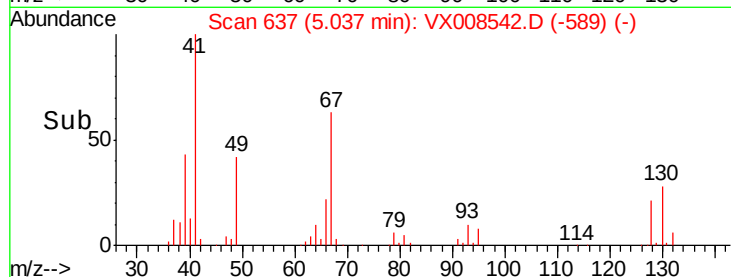
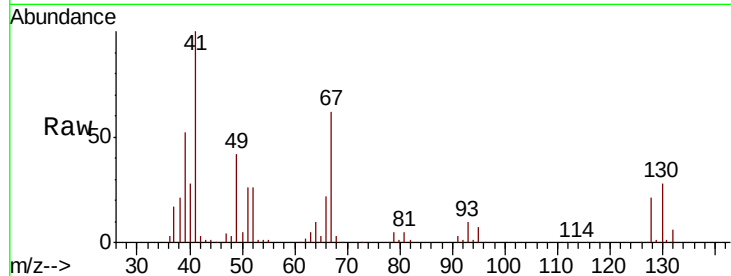
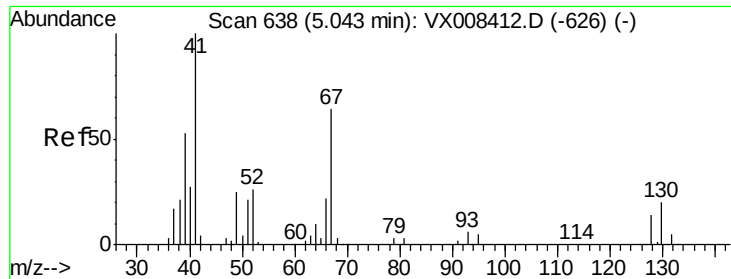
MMDadoda
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#40
Benzene
Concen: 22.090 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX008542.D
Acq: 29 Mar 2019 14:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.3	28.9





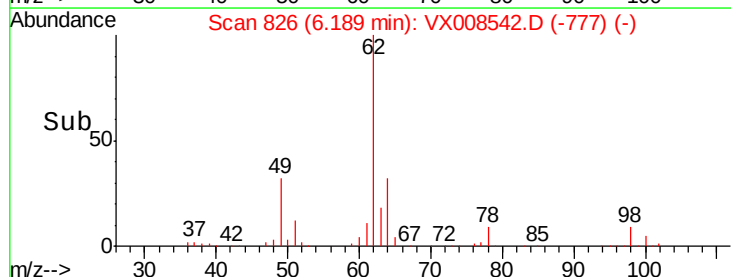
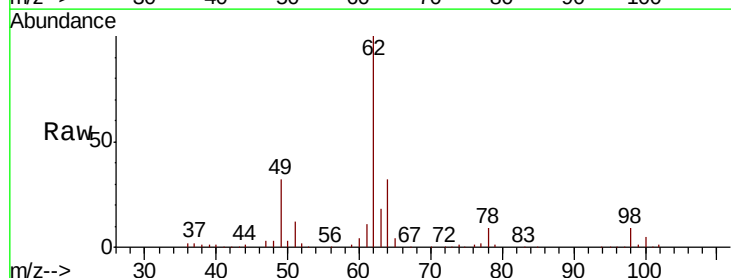
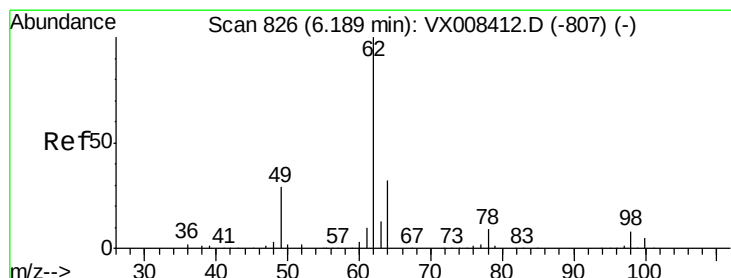
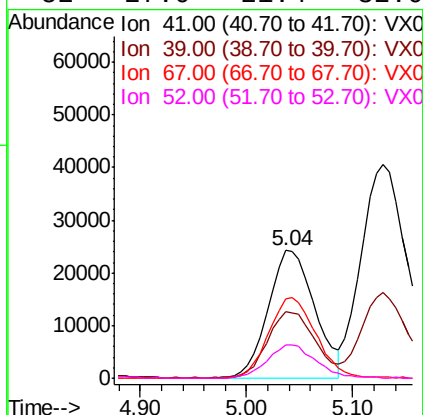
#41
Methacrylonitrile
Concen: 23.554 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX008542.D
Acq: 29 Mar 2019 14:40

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		73533		
39	53.0	42.6	64.0		
67	64.6	52.2	78.4		
52	27.0	21.4	32.0		

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS02

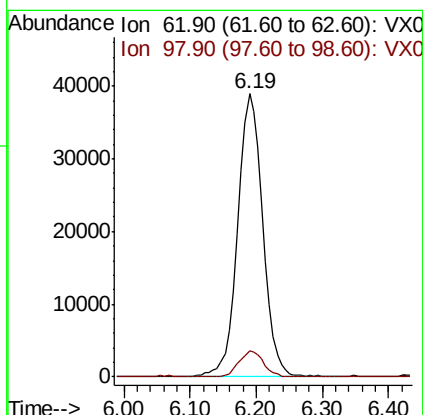
Manual Integrations
APPROVED

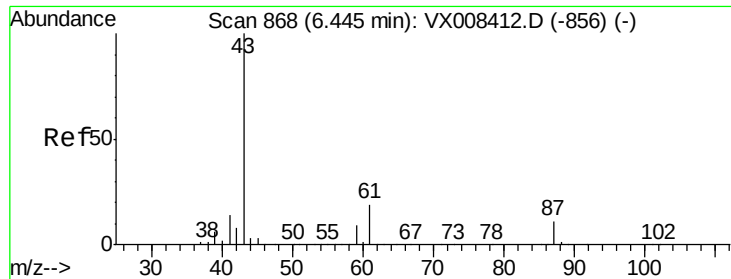
MMDadoda
3/30/2019 9:50:27 AM



#42
1,2-Dichloroethane
Concen: 21.672 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX008542.D
Acq: 29 Mar 2019 14:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		101865		
98	9.1	0.0	17.6		





#43

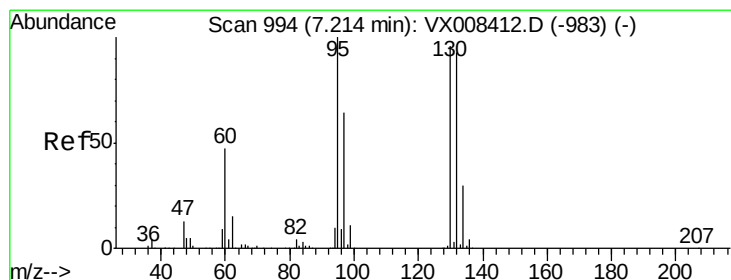
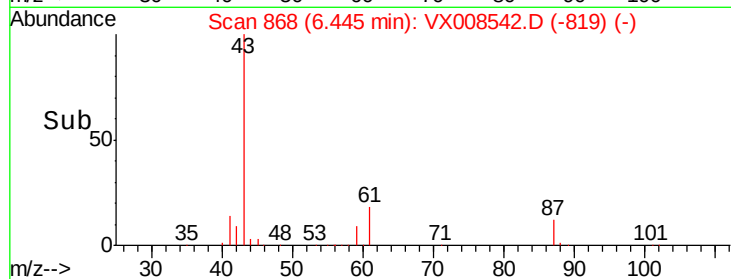
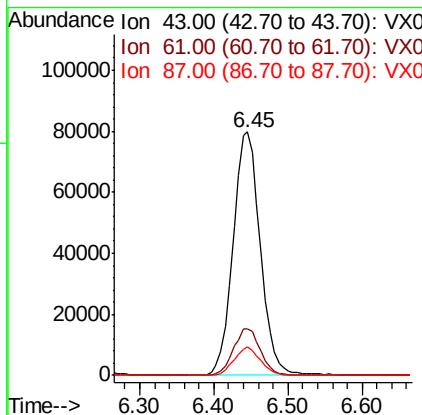
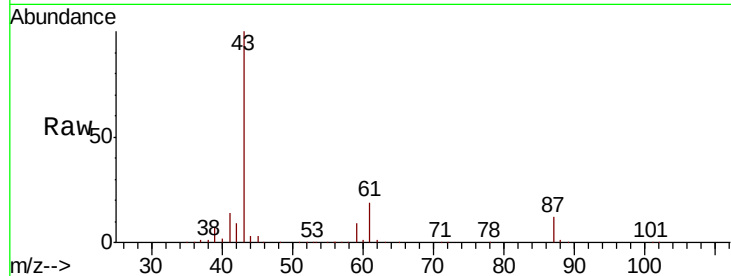
Isopropyl Acetate
 Concen: 22.852 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX008542.D
 Acq: 29 Mar 2019 14:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBS02

Tot Ion:	43	Resp:	203056
Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.4	23.2
87	11.5	9.1	13.7

Manual Integrations
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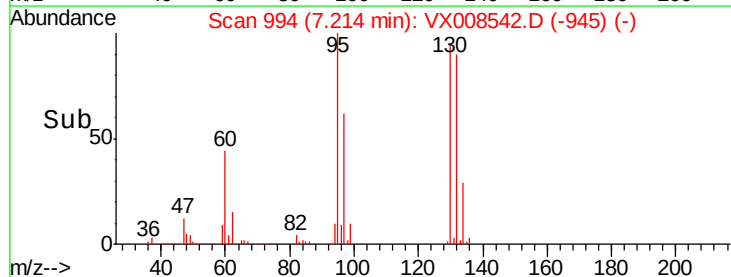
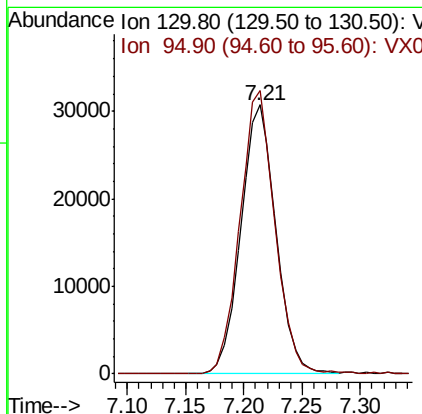
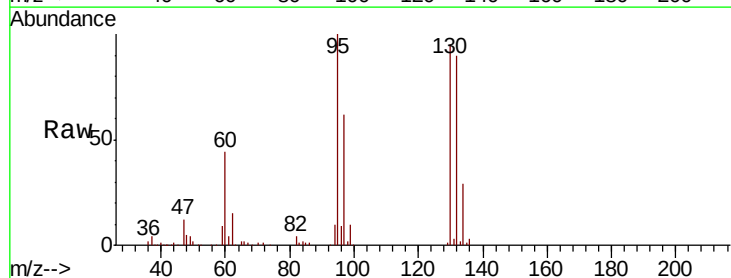
MMDadoda
 3/30/2019 9:50:27 AM

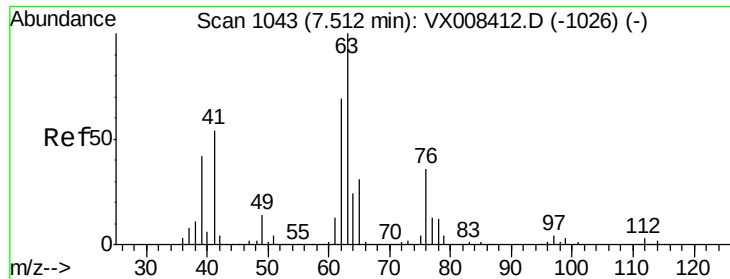


#44

Trichloroethene
 Concen: 21.354 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX008542.D
 Acq: 29 Mar 2019 14:40

Tgt Ion:	130	Resp:	64367
Ion	Ratio	Lower	Upper
130	100		
95	105.2	0.0	208.8





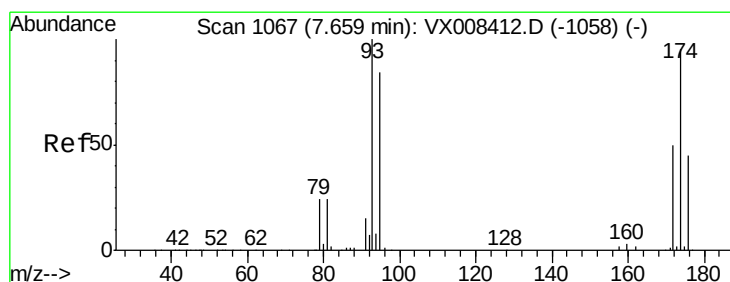
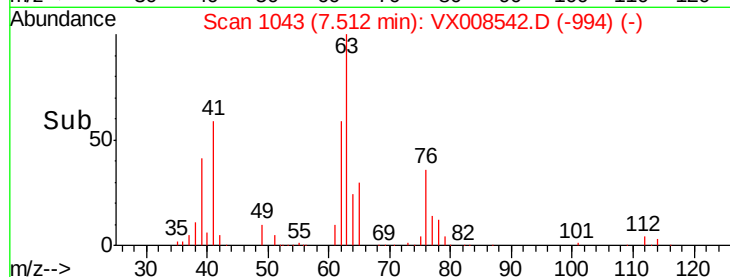
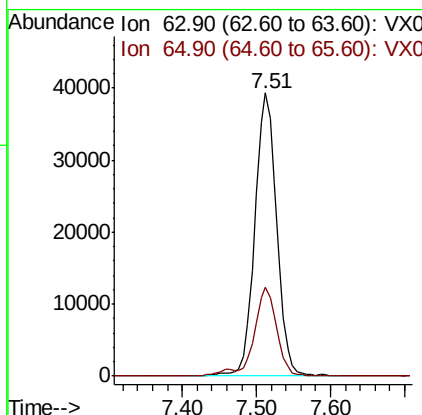
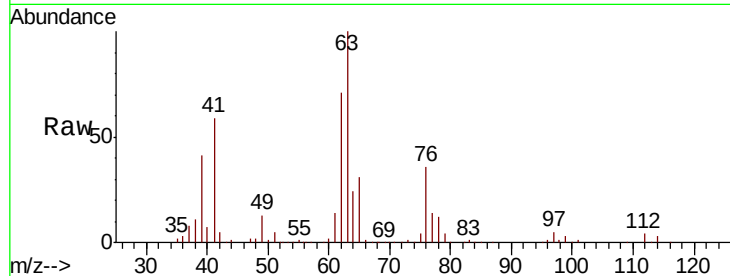
#45
 1,2-Dichloropropane
 Concen: 22.274 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX008542.D
 Acq: 29 Mar 2019 14:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBS02

Tot Ion: 63 Resp: 81280
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.1 37.7

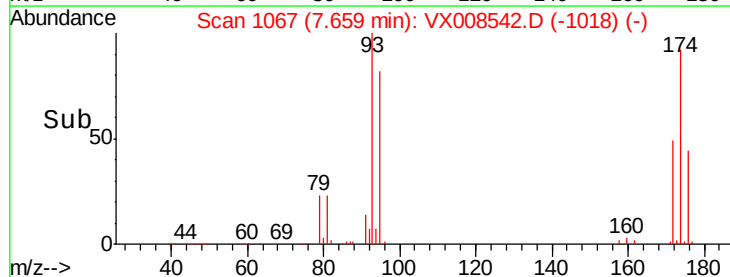
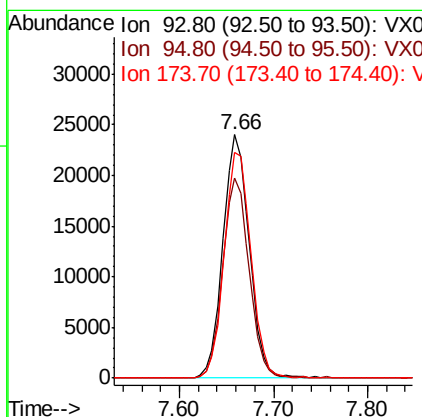
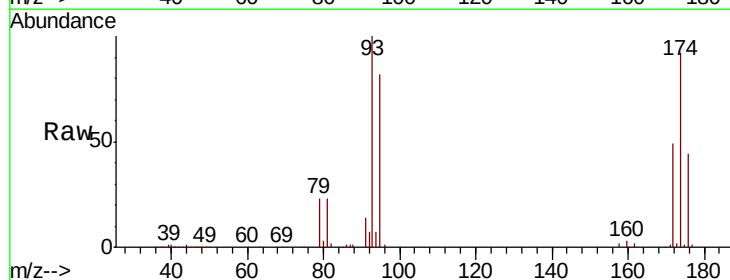
Manual Integrations
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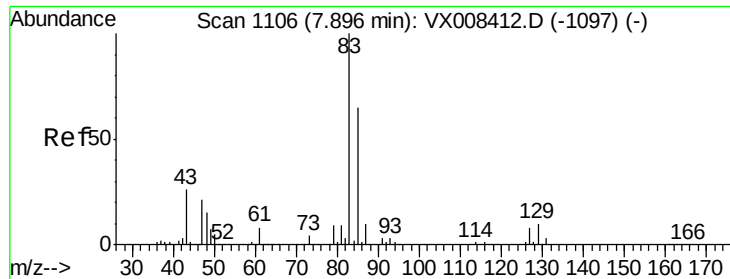
MMDadoda
 3/30/2019 9:50:27 AM



#46
 Dibromomethane
 Concen: 21.834 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX008542.D
 Acq: 29 Mar 2019 14:40

Tgt Ion: 93 Resp: 46525
 Ion Ratio Lower Upper
 93 100
 95 82.2 67.0 100.6
 174 94.3 76.0 114.0





#47

Bromodichloromethane

Concen: 22.386 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008542.D

Acq: 29 Mar 2019 14:40

Instrument :

MSVOA_X

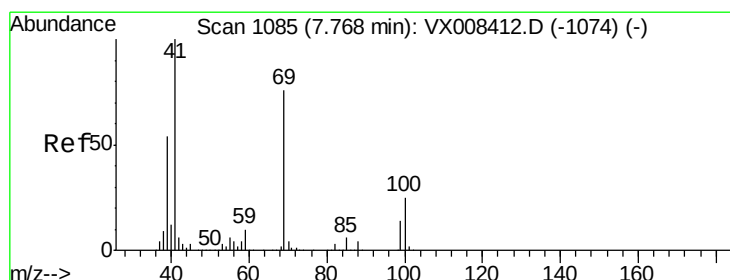
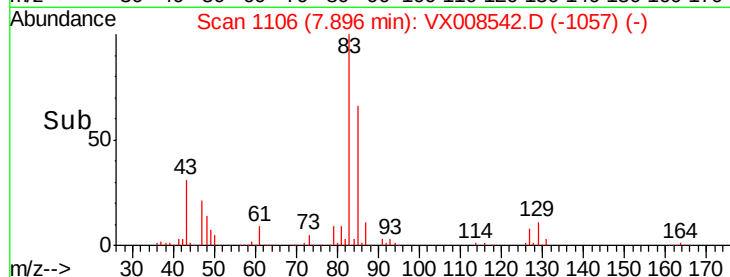
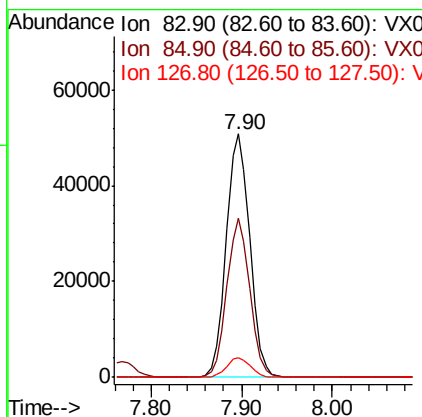
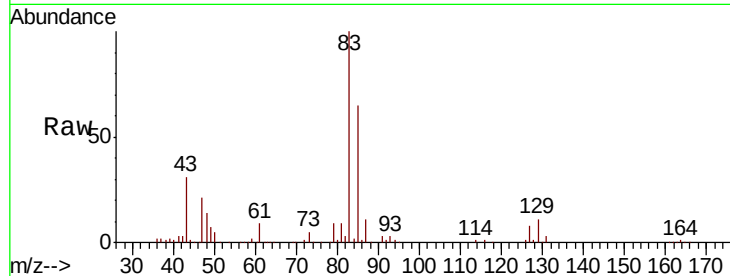
ClientSampleId :

VX0329WBS02

Tot Ion:	83	Resp:	91305
Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.0	78.0
127	7.9	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 23.077 ug/l

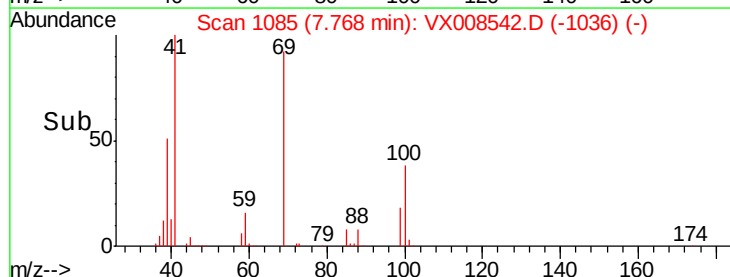
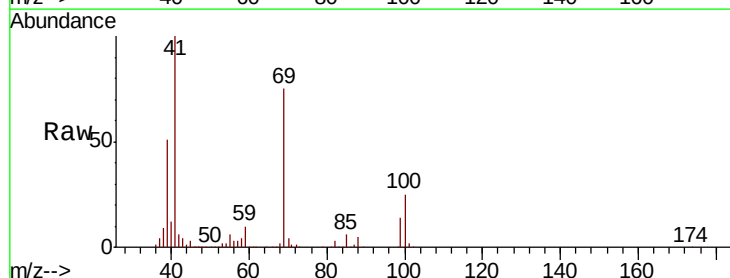
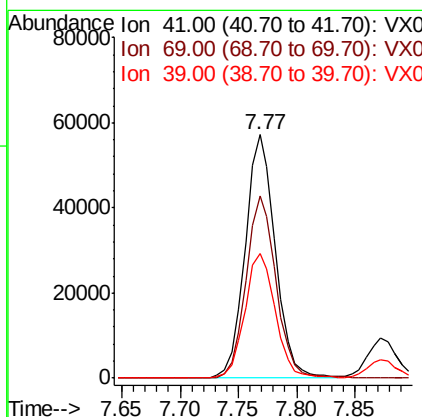
RT: 7.77 min Scan# 1085

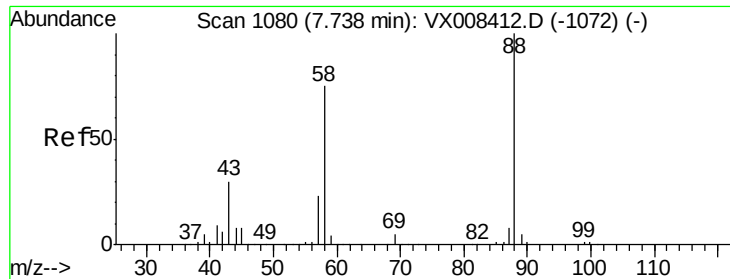
Delta R.T. 0.00 min

Lab File: VX008542.D

Acq: 29 Mar 2019 14:40

Tgt Ion:	41	Resp:	102602
Ion	Ratio	Lower	Upper
41	100		
69	75.3	60.8	91.2
39	52.0	42.3	63.5





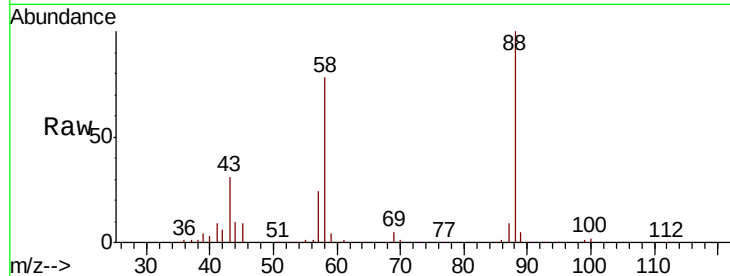
#49
1,4-Dioxane
Concen: 466.463 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX008542.D
Acq: 29 Mar 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS02

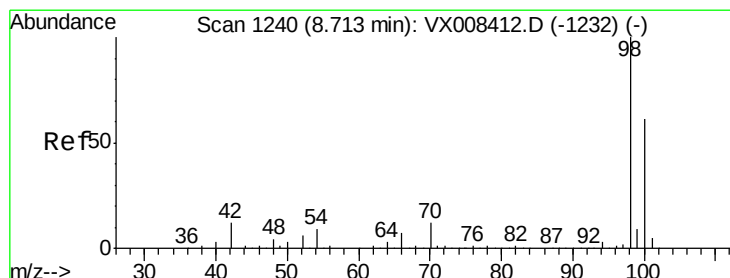
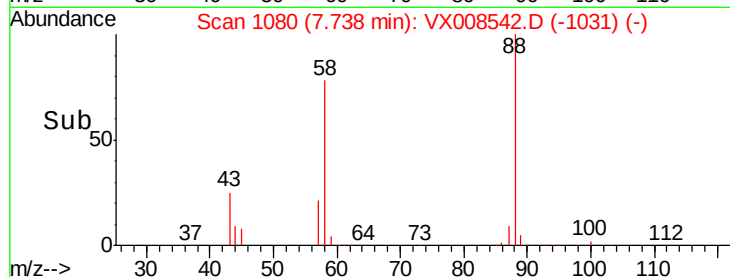
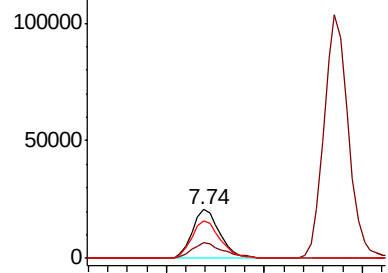
Tot Ion	Ratio	Lower	Upper
88	100		
43	35.8	28.6	43.0
58	79.5	63.0	94.4

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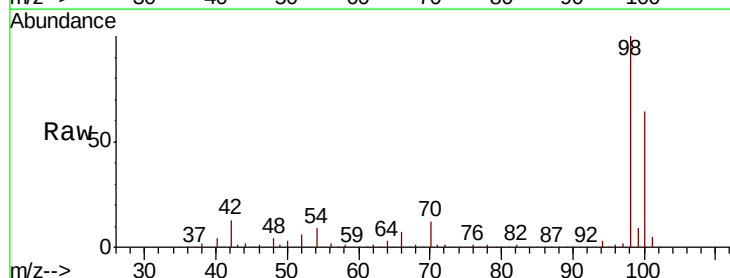


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

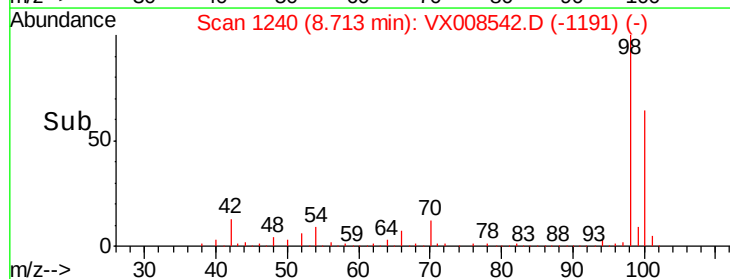
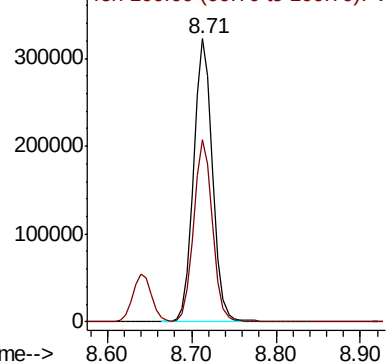


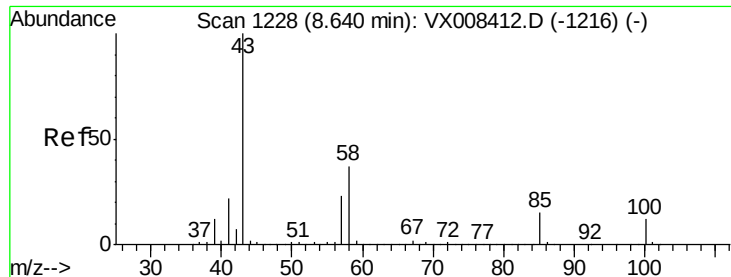
#50
Toluene-d8
Concen: 47.790 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008542.D
Acq: 29 Mar 2019 14:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.1	76.7



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 118.345 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX008542.D

Acq: 29 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBS02

Tot Ion: 43 Resp: 683015

Ion Ratio Lower Upper

43 100

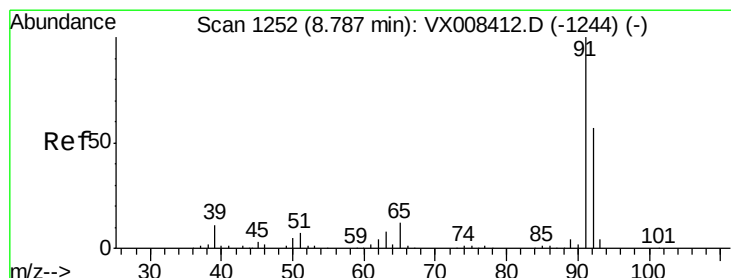
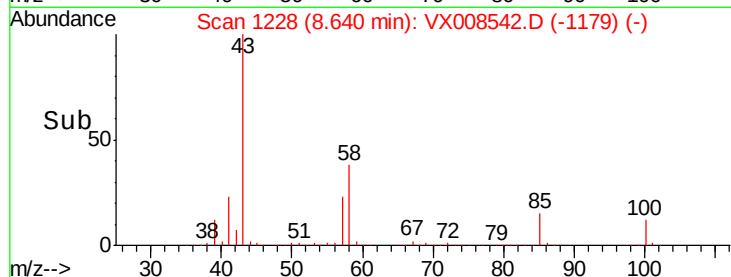
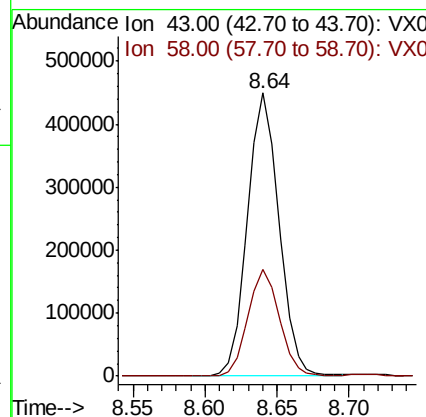
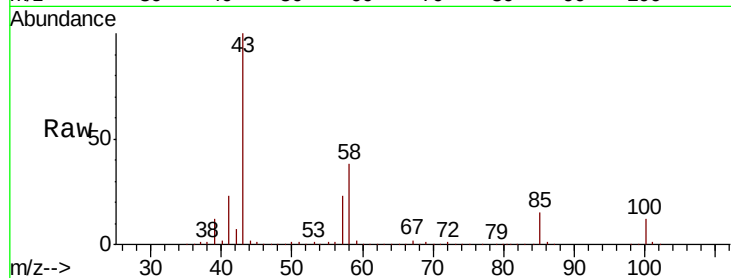
58 37.4 29.8 44.8

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#52

Toluene

Concen: 22.070 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008542.D

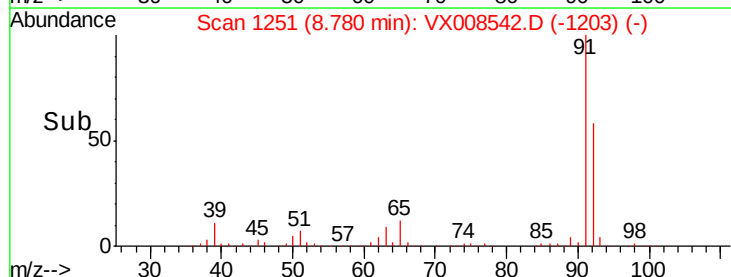
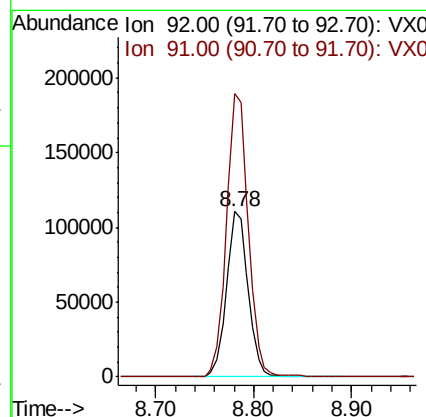
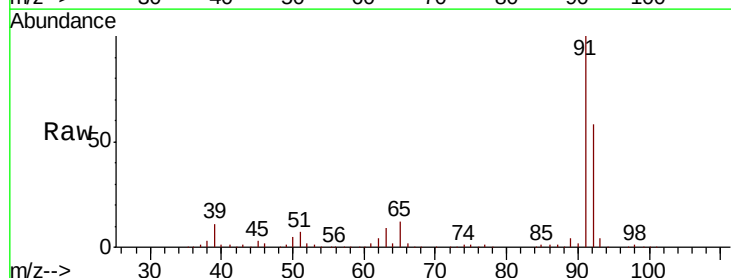
Acq: 29 Mar 2019 14:40

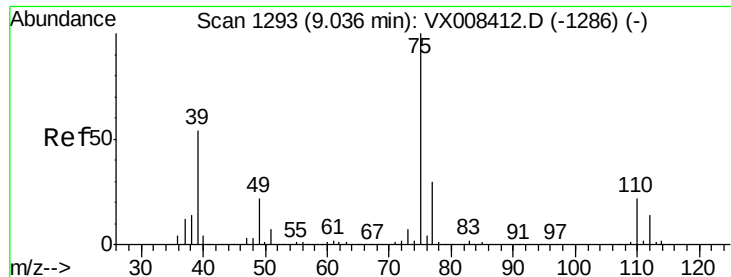
Tgt Ion: 92 Resp: 169411

Ion Ratio Lower Upper

92 100

91 174.0 140.2 210.4





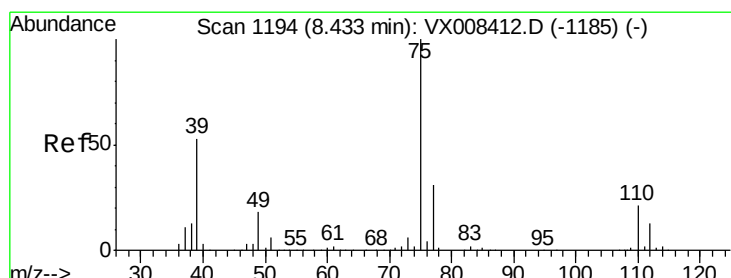
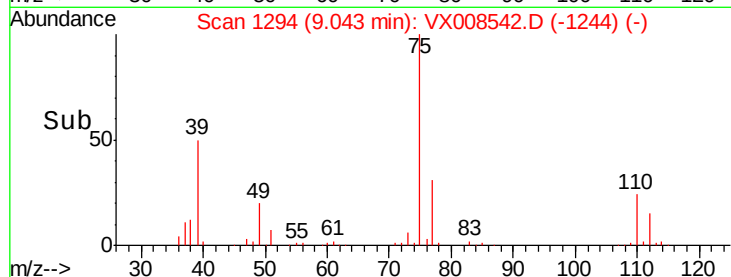
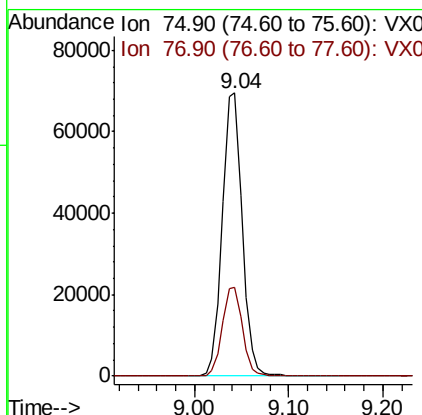
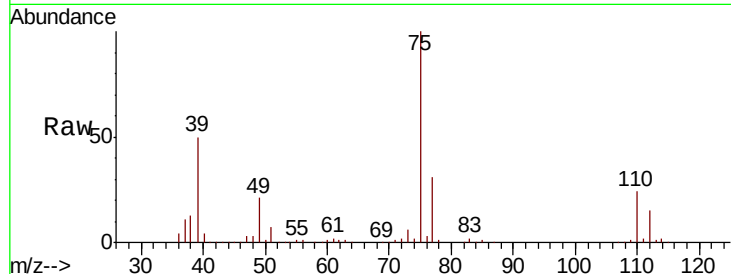
#53
t-1,3-Dichloropropene
Concen: 22.860 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX008542.D
Acq: 29 Mar 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS02

Tot Ion: 75 Resp: 102124
Ion Ratio Lower Upper
75 100
77 31.3 24.3 36.5

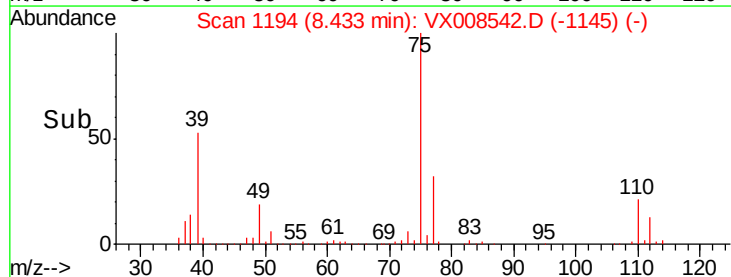
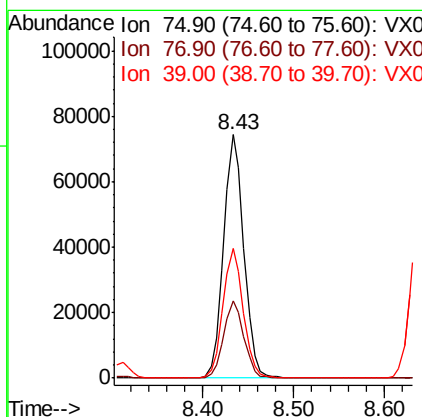
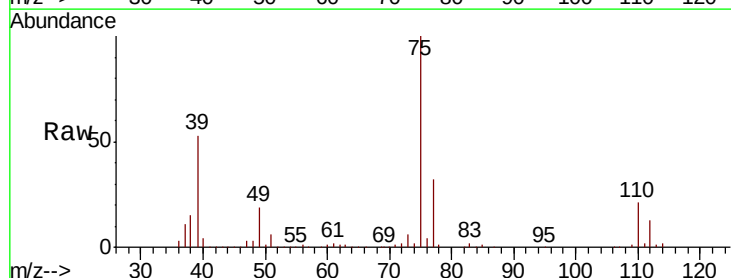
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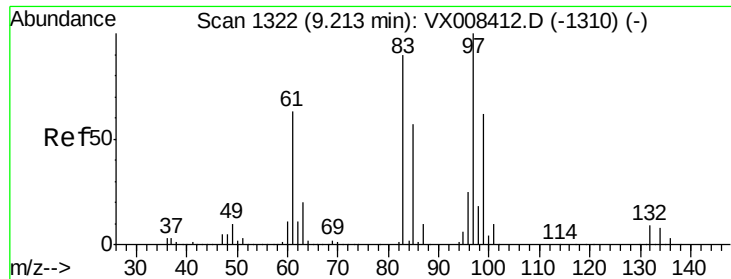
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3/30/2019 9:50:27 AM



#54
cis-1,3-Dichloropropene
Concen: 22.774 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX008542.D
Acq: 29 Mar 2019 14:40

Tgt Ion: 75 Resp: 115688
Ion Ratio Lower Upper
75 100
77 31.9 24.7 37.1
39 53.1 42.4 63.6





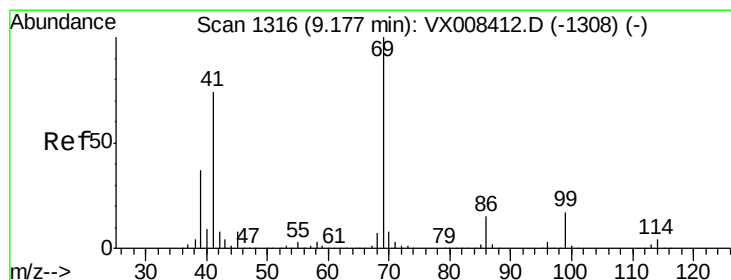
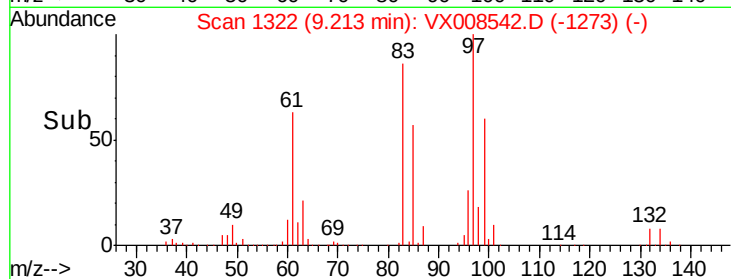
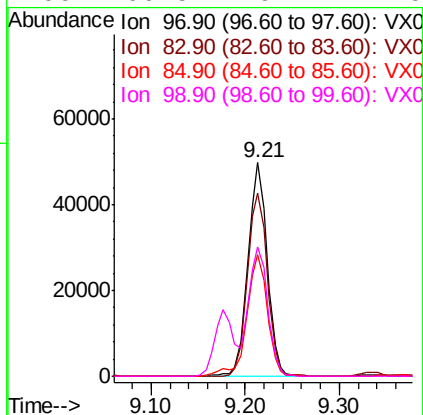
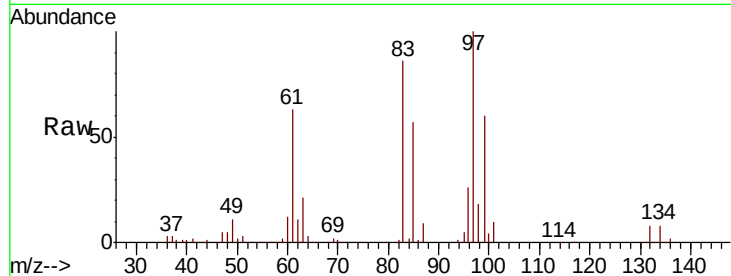
#55
 1,1,2-Trichloroethane
 Concen: 22.606 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008542.D
 Acq: 29 Mar 2019 14:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBS02

Tot Ion:	97	Resp:	70638
Ion	Ratio	Lower	Upper
97	100		
83	85.9	71.8	107.6
85	56.9	45.9	68.9
99	60.5	49.4	74.0

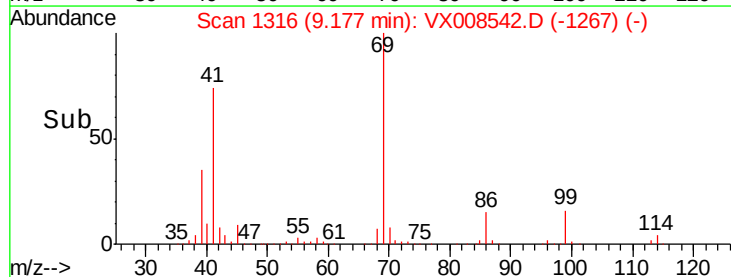
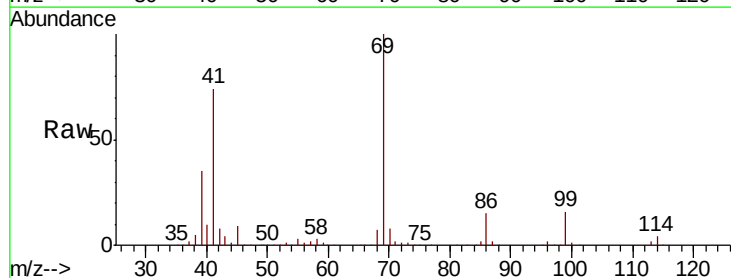
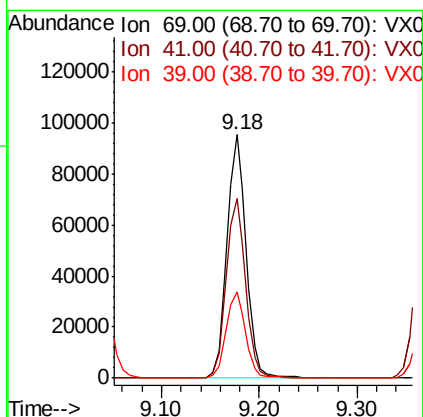
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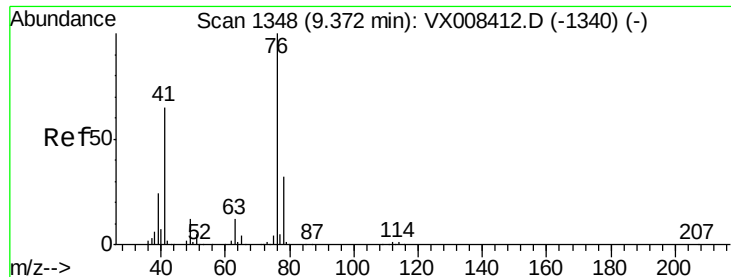
MMDadoda
 3/30/2019 9:50:27 AM



#56
 Ethyl methacrylate
 Concen: 23.015 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX008542.D
 Acq: 29 Mar 2019 14:40

Tgt Ion:	69	Resp:	129811
Ion	Ratio	Lower	Upper
69	100		
41	74.8	59.5	89.3
39	35.7	29.3	43.9





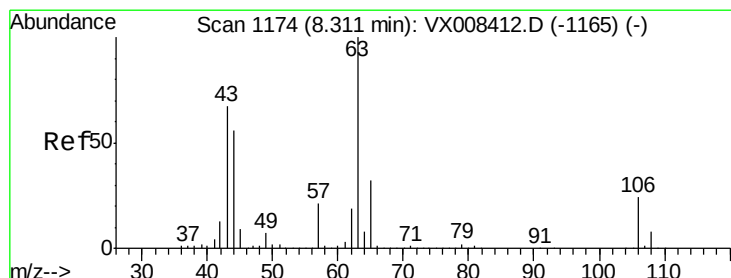
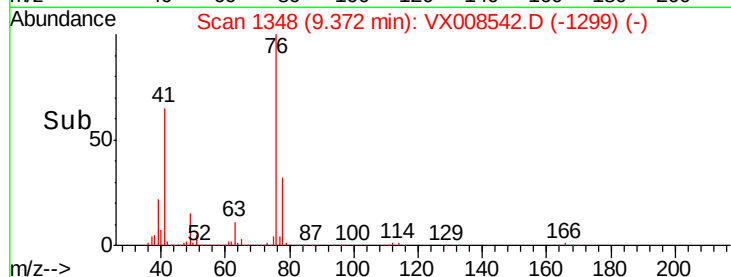
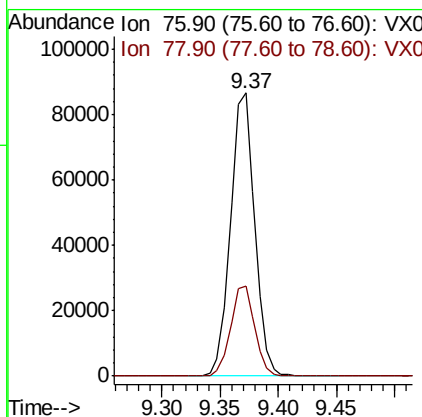
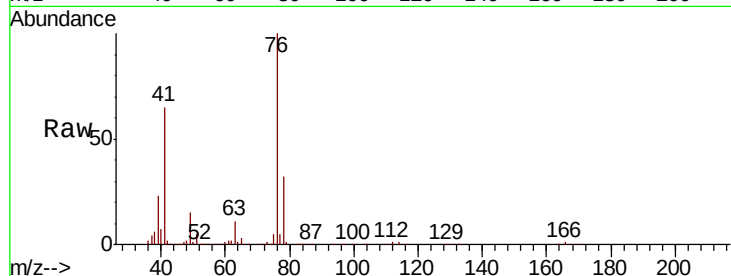
#57
 1,3-Dichloropropane
 Concen: 22.420 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX008542.D
 Acq: 29 Mar 2019 14:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.8

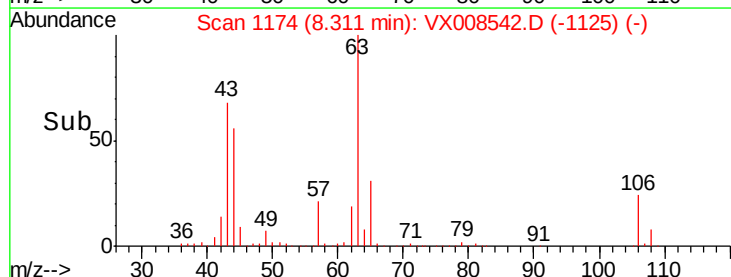
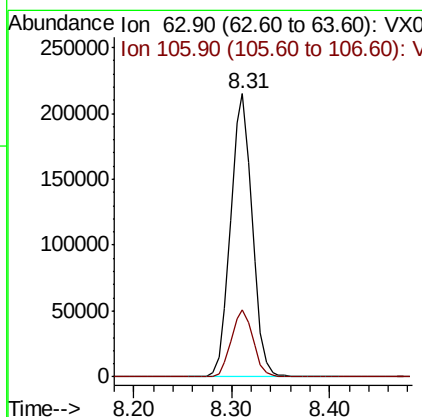
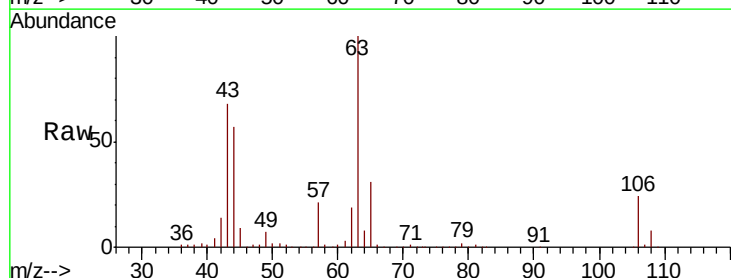
Manual Integrations
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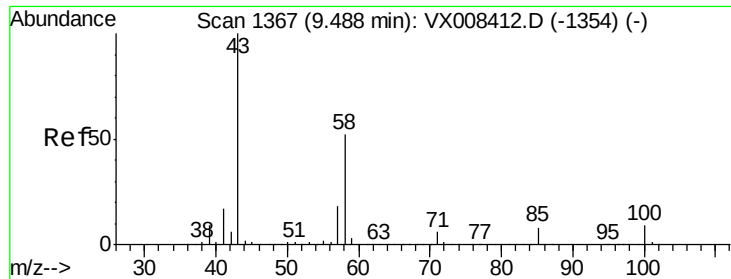
MMDadoda
 3/30/2019 9:50:27 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 113.018 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX008542.D
 Acq: 29 Mar 2019 14:40

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.1	19.0	28.6





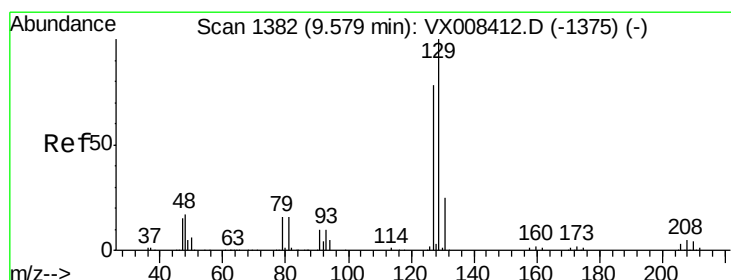
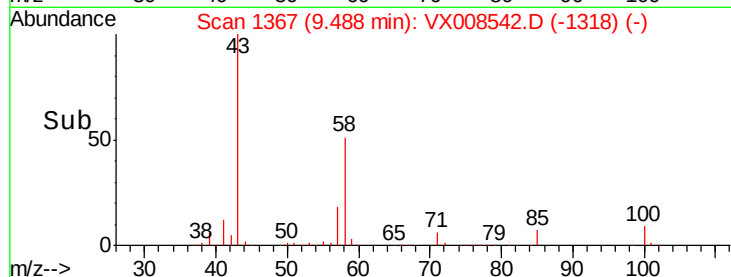
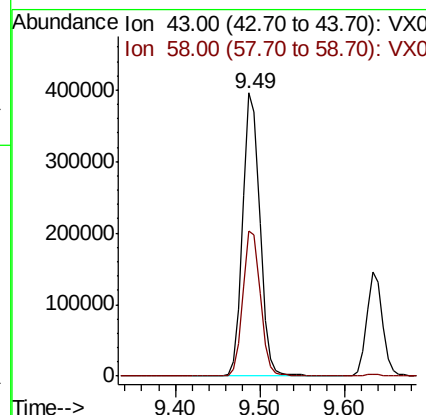
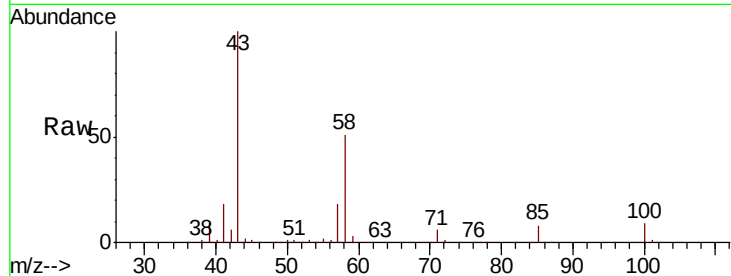
#59
2-Hexanone
Concen: 121.006 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX008542.D
Acq: 29 Mar 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS02

Tot Ion: 43 Resp: 541140
Ion Ratio Lower Upper
43 100
58 52.0 26.3 78.9

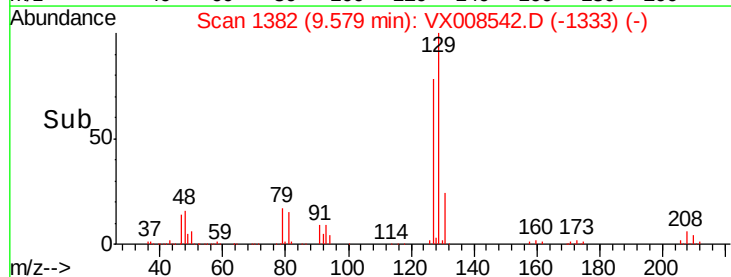
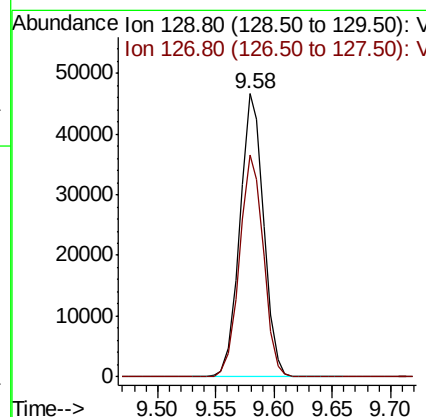
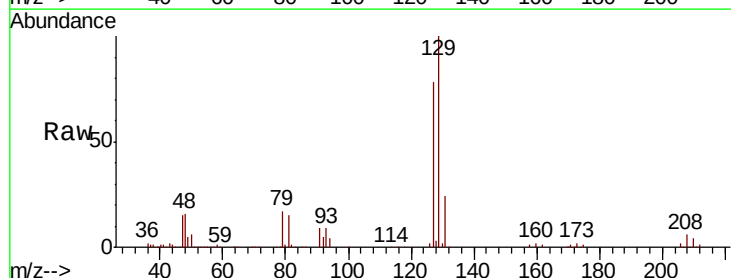
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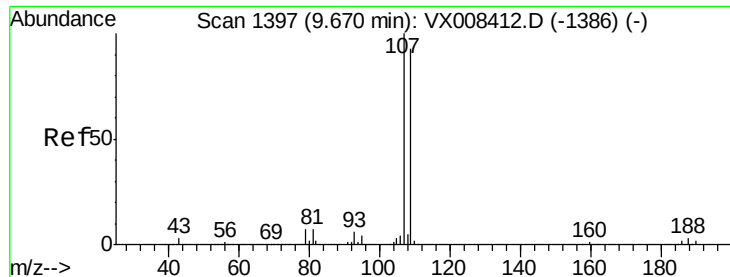
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#60
Dibromochloromethane
Concen: 22.365 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX008542.D
Acq: 29 Mar 2019 14:40

Tgt Ion:129 Resp: 66460
Ion Ratio Lower Upper
129 100
127 78.7 38.1 114.3





#61

1,2-Dibromoethane

Concen: 22.312 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008542.D

Acq: 29 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBS02

Tot Ion:107 Resp: 71151

Ion Ratio Lower Upper

107 100

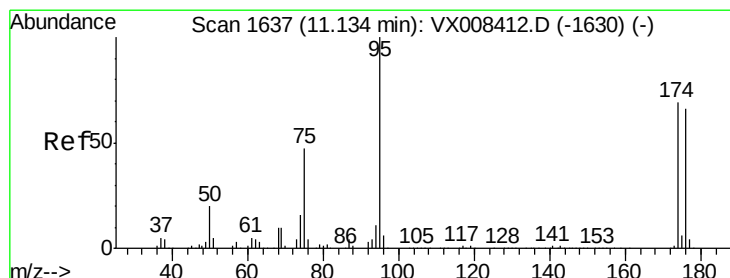
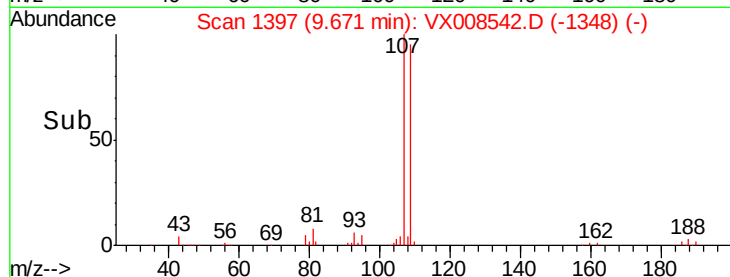
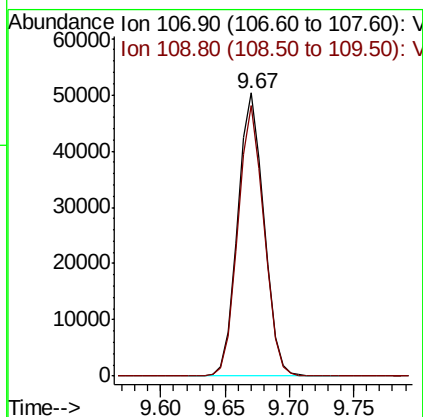
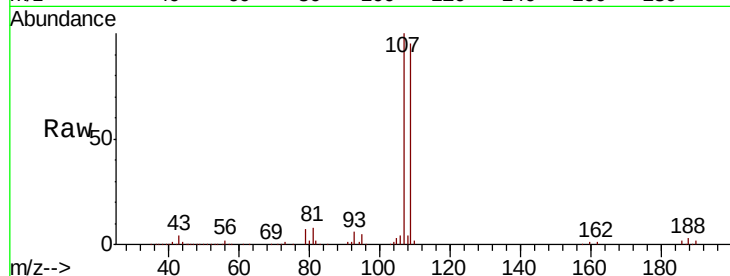
109 94.7 74.6 111.8

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 47.538 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008542.D

Acq: 29 Mar 2019 14:40

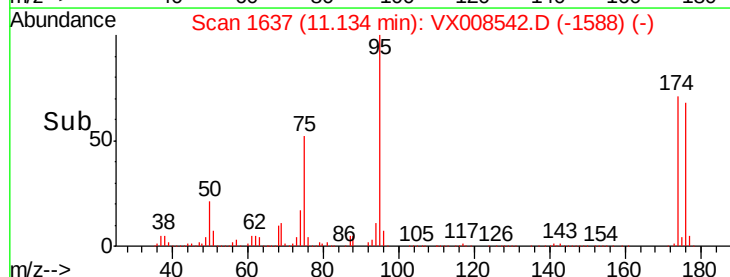
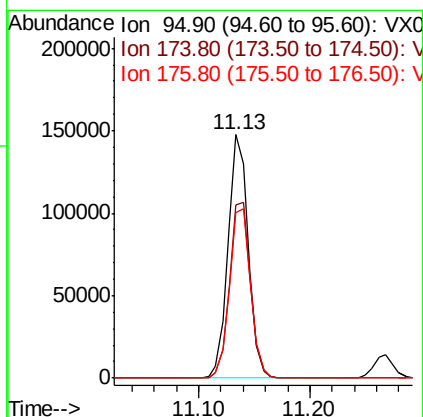
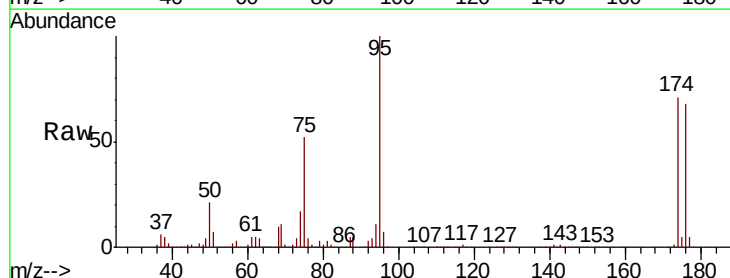
Tgt Ion: 95 Resp: 184724

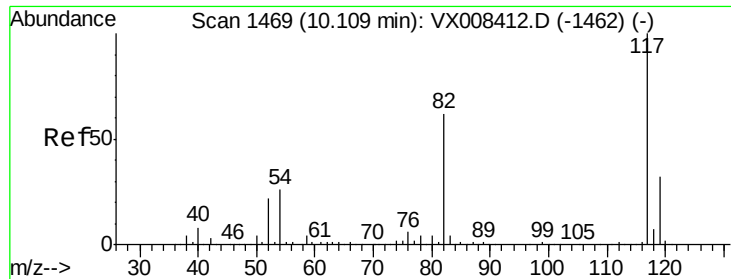
Ion Ratio Lower Upper

95 100

174 74.9 0.0 147.2

176 72.7 0.0 142.4





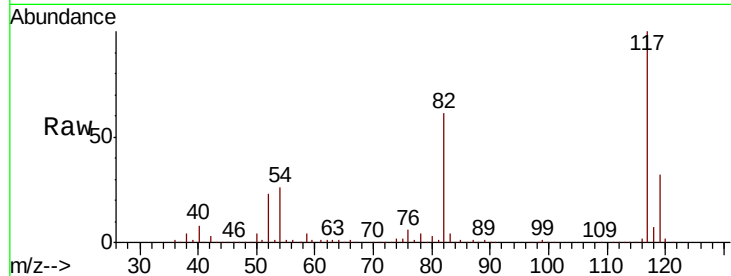
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008542.D
Acq: 29 Mar 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.4	49.4	74.2
119	31.9	25.4	38.0

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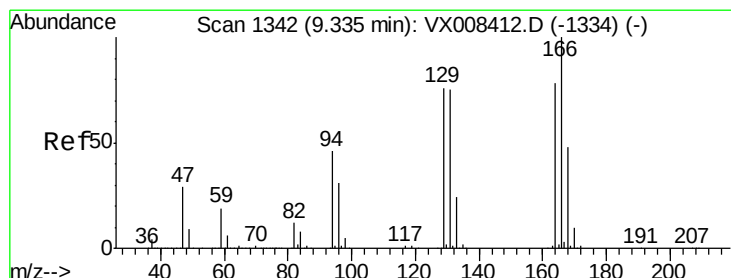
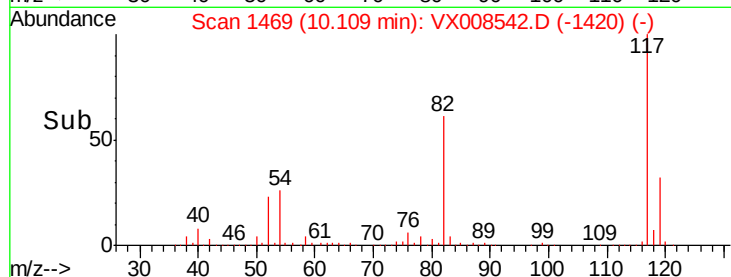
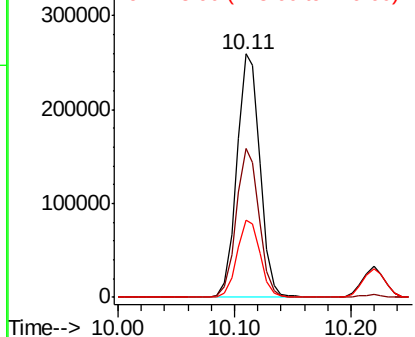


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 22.409 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008542.D
Acq: 29 Mar 2019 14:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.9	102.5	153.7
129	96.9	77.8	116.8
131	92.4	76.9	115.3

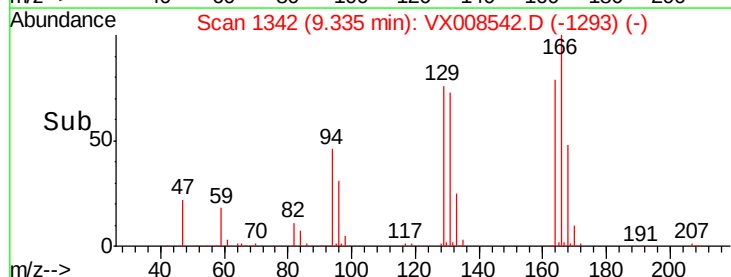
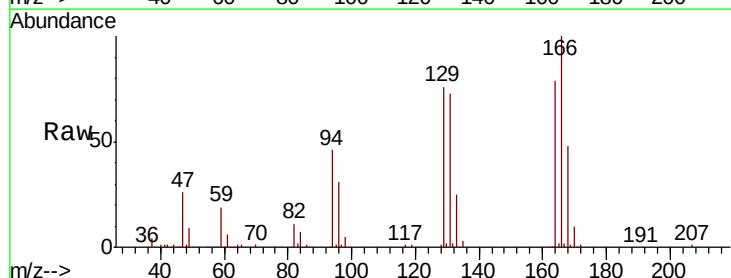
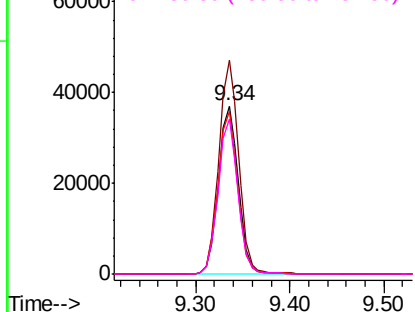
Abundance

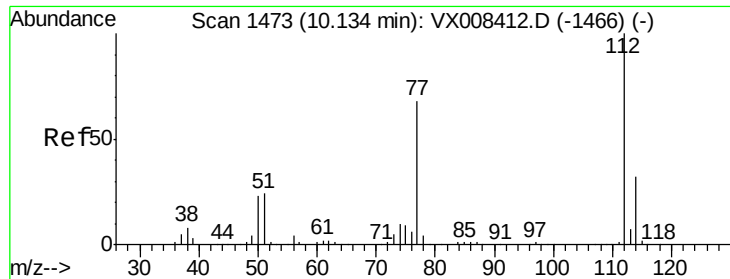
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





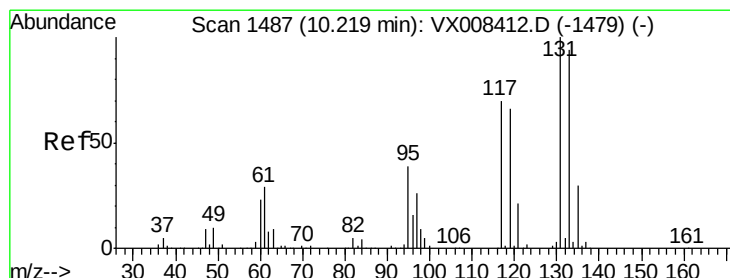
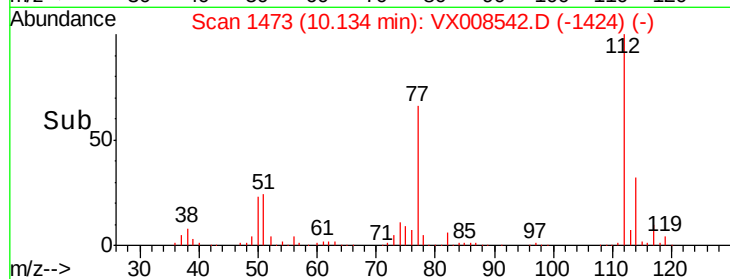
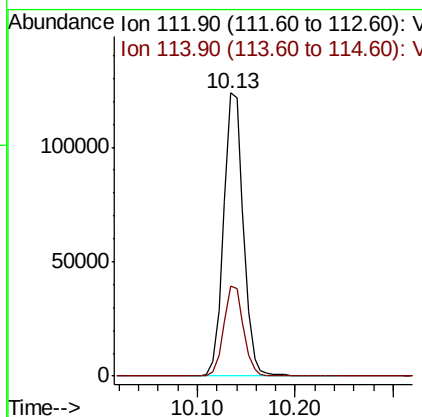
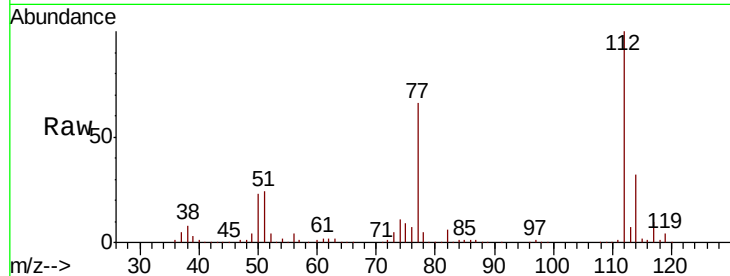
#65
Chlorobenzene
Concen: 22.179 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX008542.D
Acq: 29 Mar 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS02

Tot Ion:112 Resp: 172854
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.2

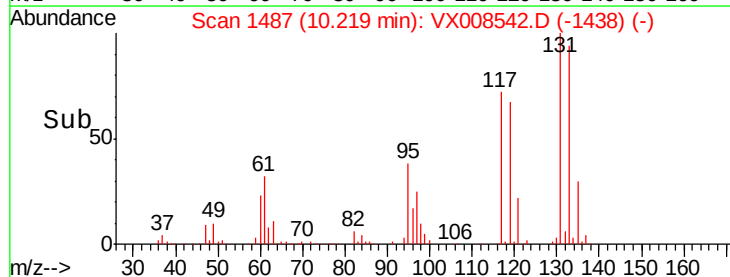
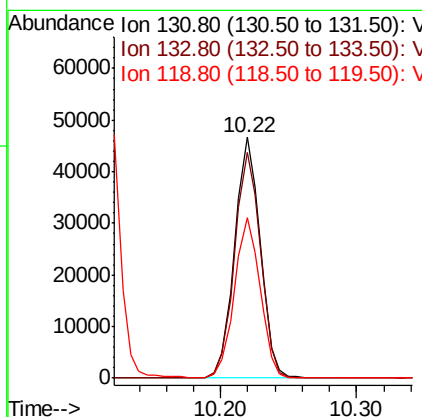
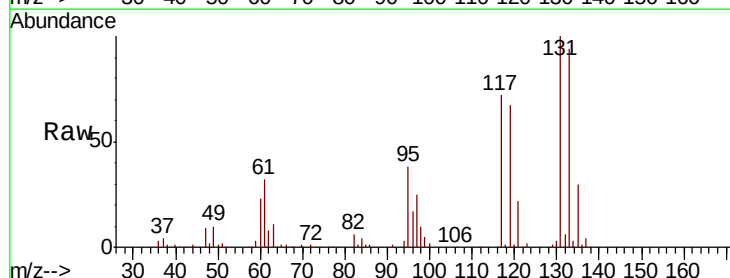
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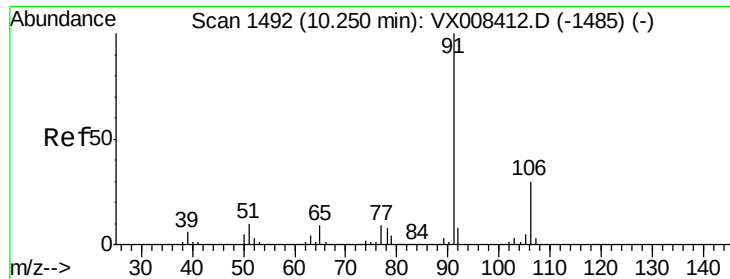
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.758 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX008542.D
Acq: 29 Mar 2019 14:40

Tgt Ion:131 Resp: 61192
Ion Ratio Lower Upper
131 100
133 95.3 47.3 141.8
119 67.3 33.6 100.6





#67

Ethyl Benzene

Concen: 21.964 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008542.D

Acq: 29 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampled :

VX0329WBS02

Tot Ion: 91 Resp: 323050

Ion Ratio Lower Upper

91 100

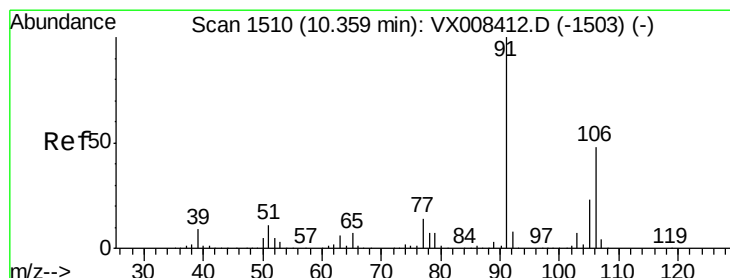
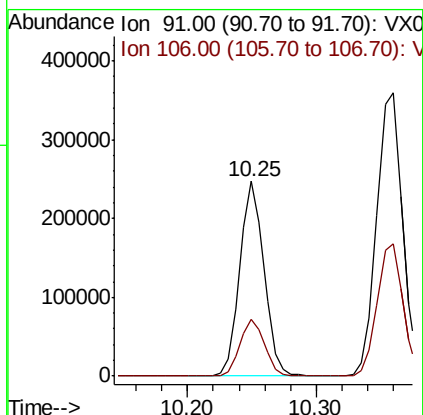
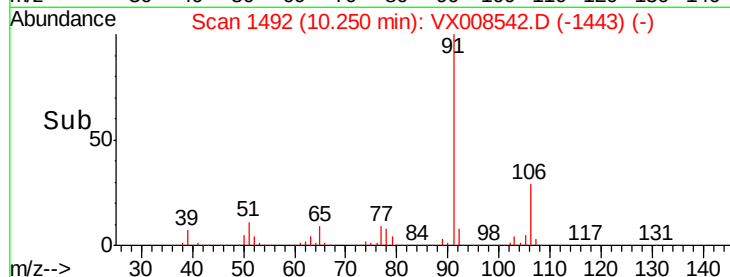
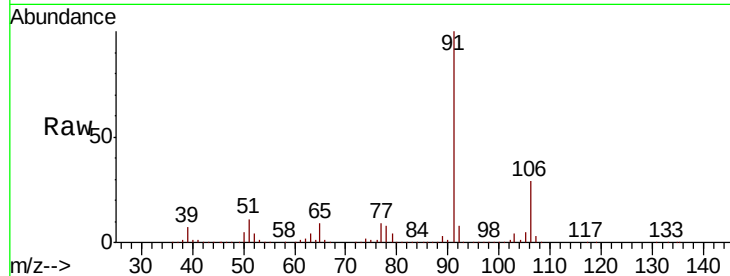
106 29.4 24.0 36.0

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#68

m/p-Xylenes

Concen: 43.567 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008542.D

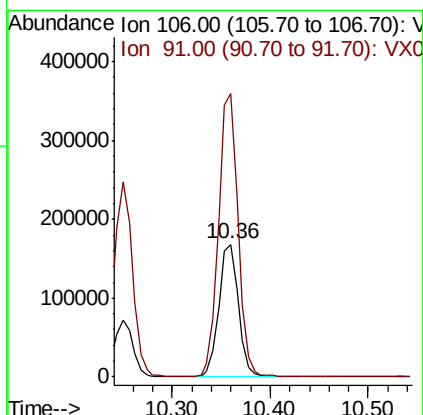
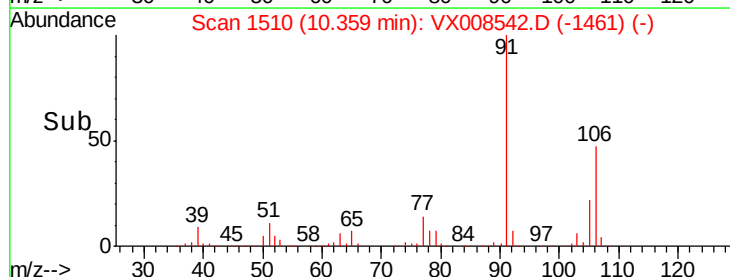
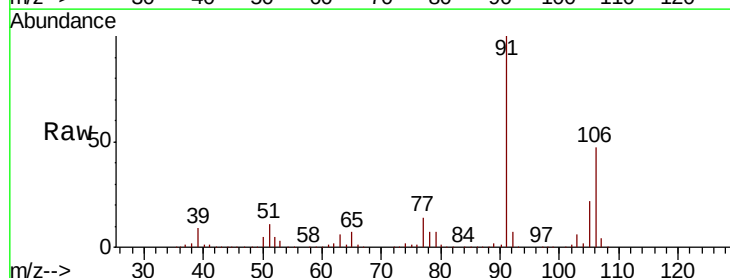
Acq: 29 Mar 2019 14:40

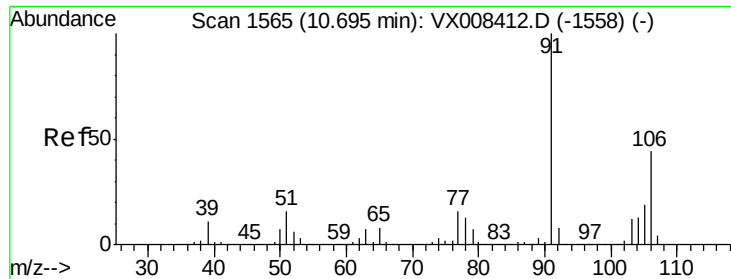
Tgt Ion: 106 Resp: 233124

Ion Ratio Lower Upper

106 100

91 213.2 168.6 253.0





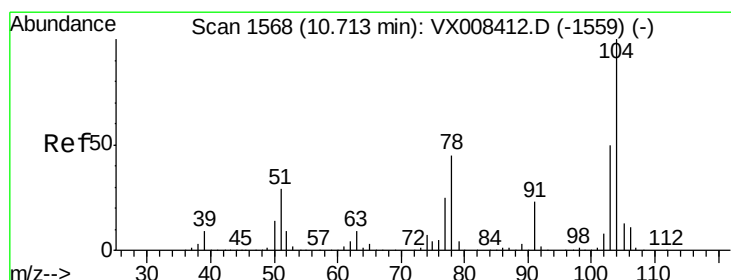
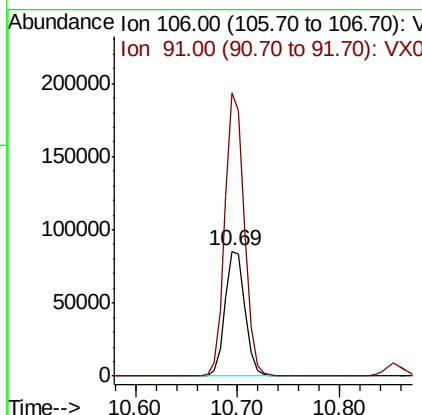
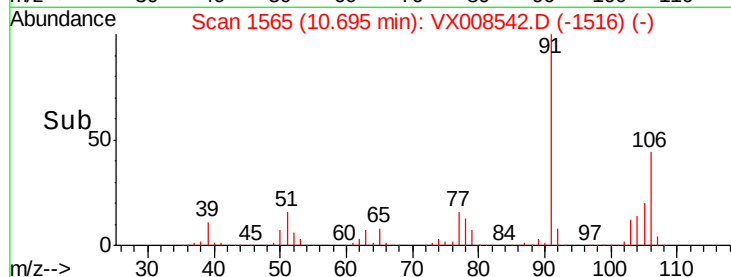
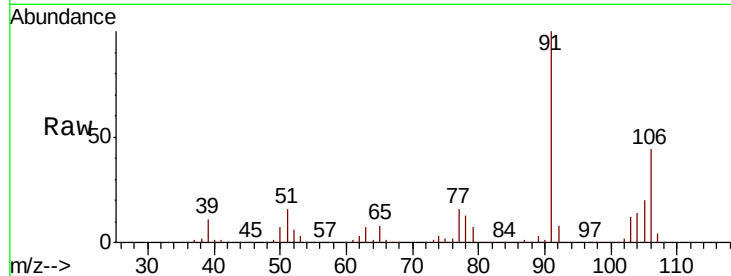
#69
o-Xylene
Concen: 22.226 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX008542.D
Acq: 29 Mar 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS02

Tot Ion:106 Resp: 115414
Ion Ratio Lower Upper
106 100
91 221.3 111.4 334.2

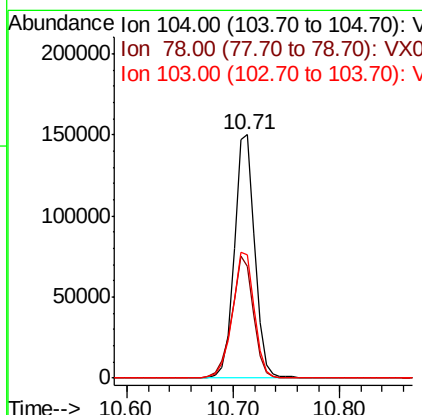
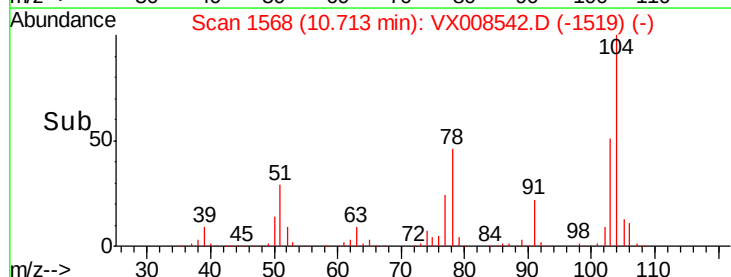
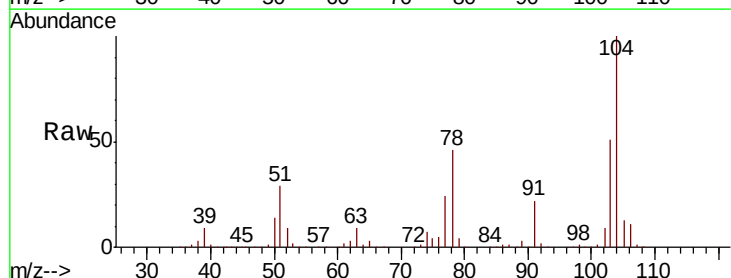
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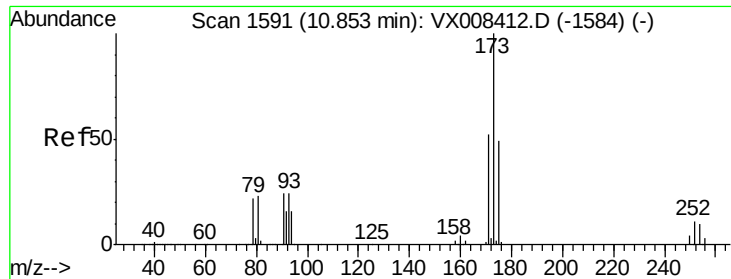
MMDadoda
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#70
Styrene
Concen: 22.432 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008542.D
Acq: 29 Mar 2019 14:40

Tgt Ion:104 Resp: 201208
Ion Ratio Lower Upper
104 100
78 53.0 42.5 63.7
103 55.9 44.2 66.4





#71

Bromoform

Concen: 22.373 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX008542.D

Acq: 29 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBS02

Tot Ion:173 Resp: 47508

Ion Ratio Lower Upper

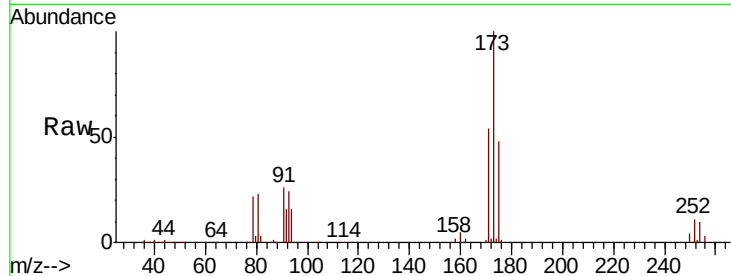
173 100

175 49.4 24.3 72.8

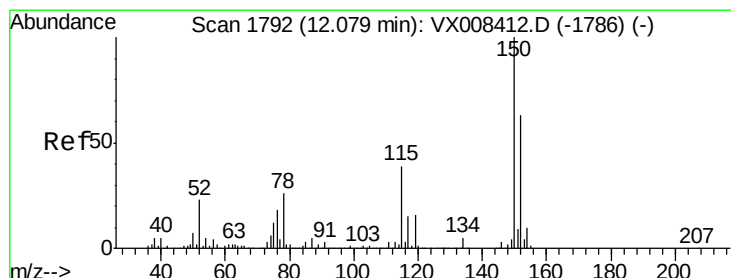
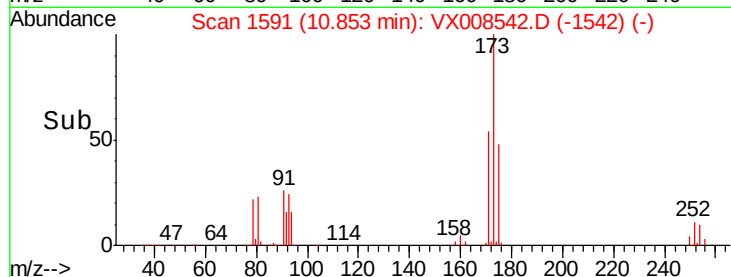
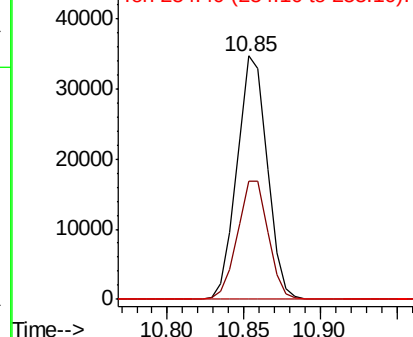
254 0.1 0.2 0.2#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008542.D

Acq: 29 Mar 2019 14:40

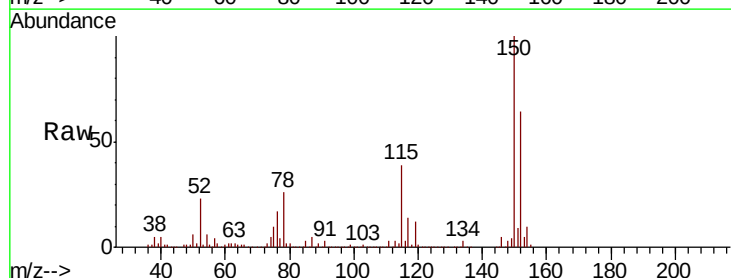
Tgt Ion:152 Resp: 169783

Ion Ratio Lower Upper

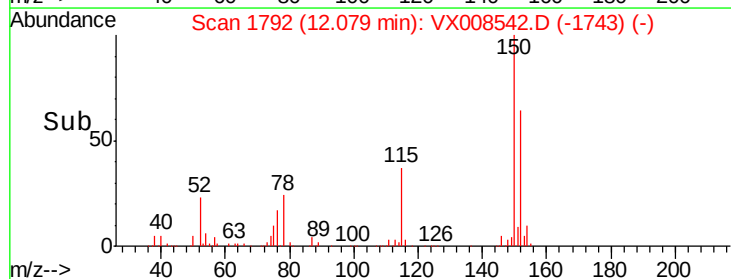
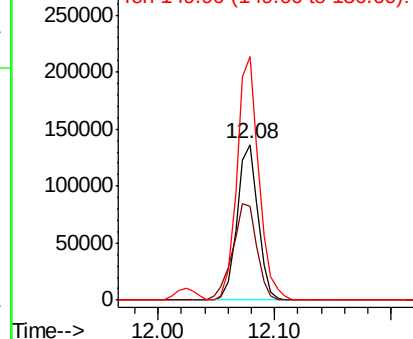
152 100

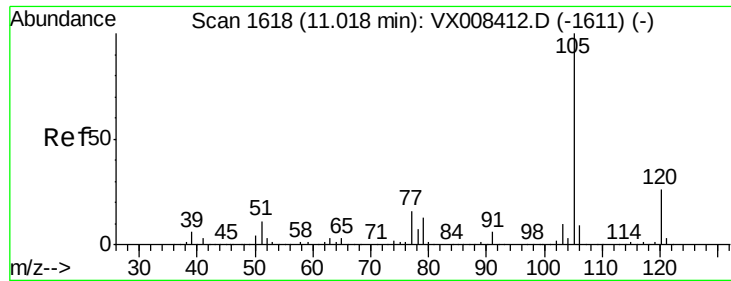
115 72.1 43.5 130.5

150 163.8 0.0 348.8



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





#73

Isopropylbenzene

Concen: 22.081 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008542.D

Acq: 29 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBS02

Tot Ion: 105 Resp: 305003

Ion Ratio Lower Upper

105 100

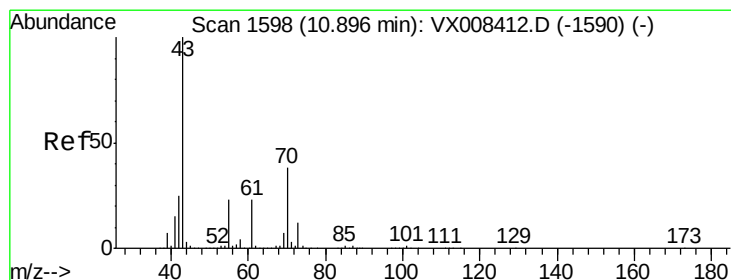
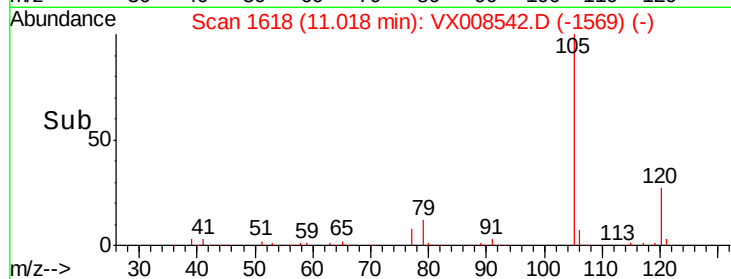
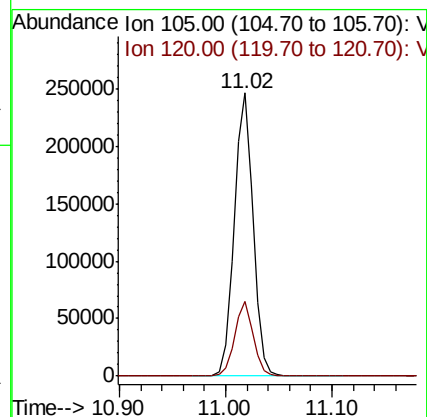
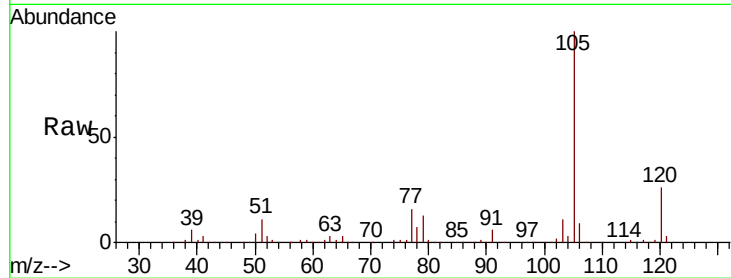
120 25.8 12.9 38.7

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#74

N-ethyl acetate

Concen: 23.196 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008542.D

Acq: 29 Mar 2019 14:40

Tgt Ion: 43 Resp: 185450

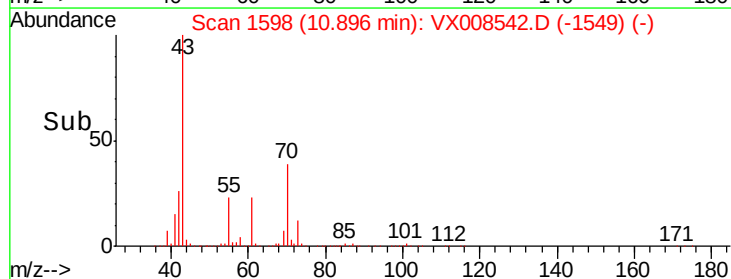
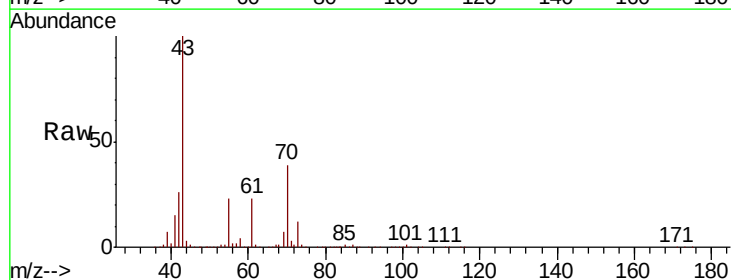
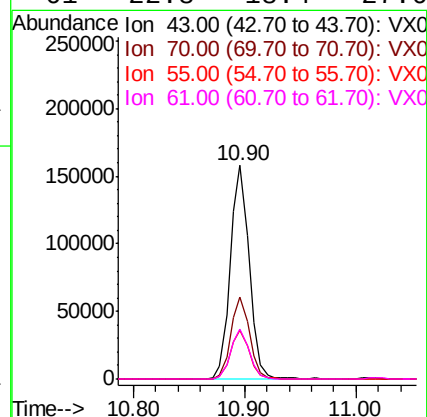
Ion Ratio Lower Upper

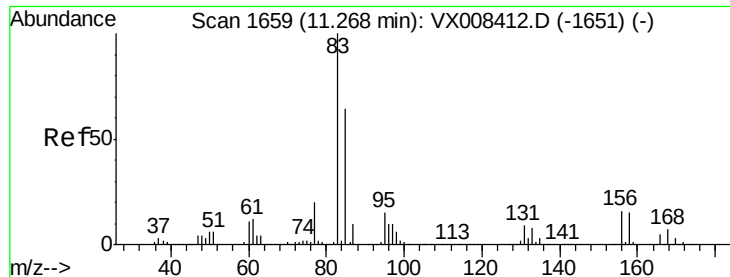
43 100

70 38.4 30.5 45.7

55 22.8 18.2 27.2

61 22.8 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.452 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008542.D

Acq: 29 Mar 2019 14:40

Instrument :

MSVOA_X

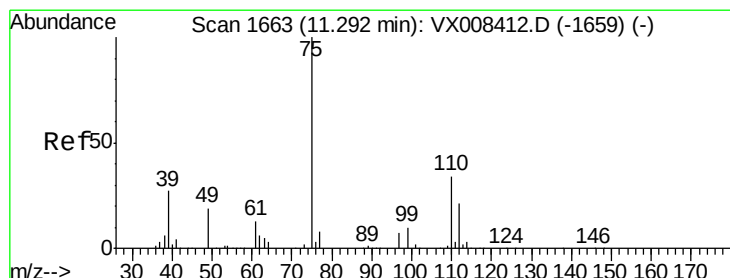
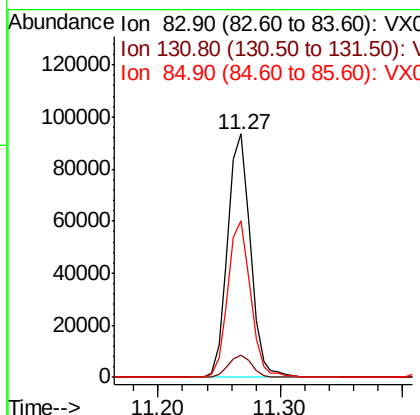
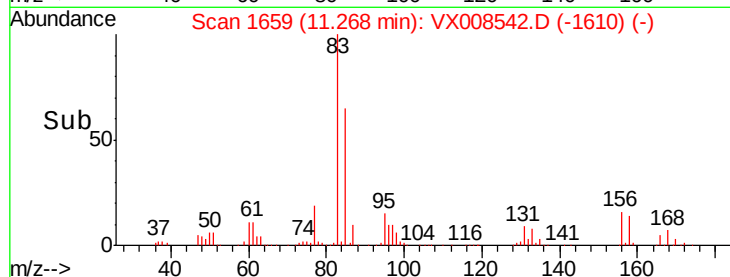
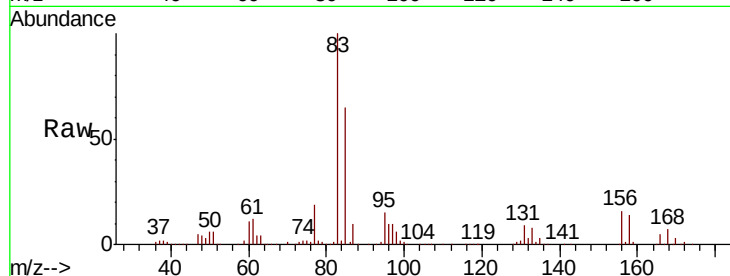
ClientSampleId :

VX0329WBS02

Tot Ion:	83	Resp:	120328
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.5	13.4
85	64.2	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.184 ug/l m

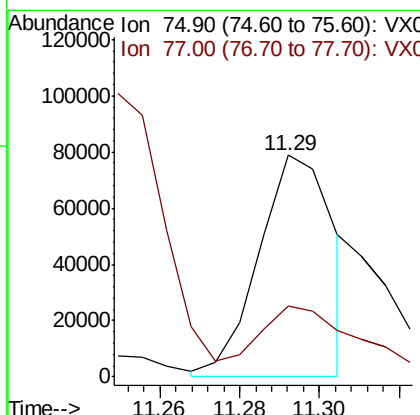
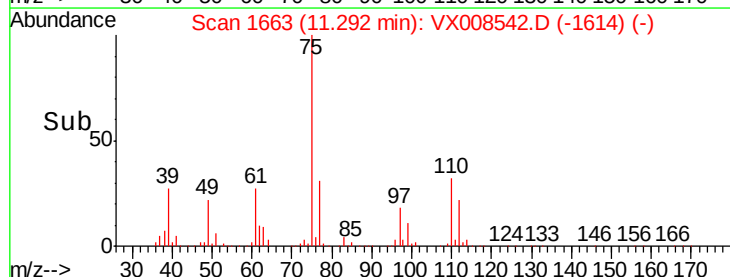
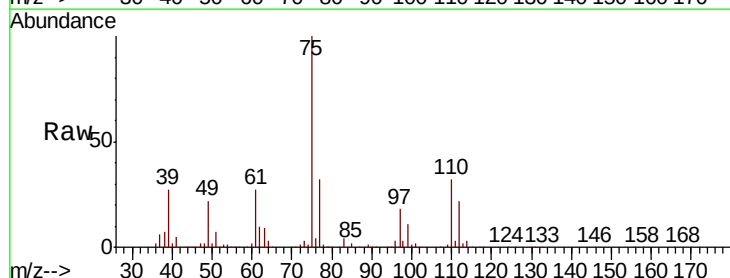
RT: 11.29 min Scan# 1663

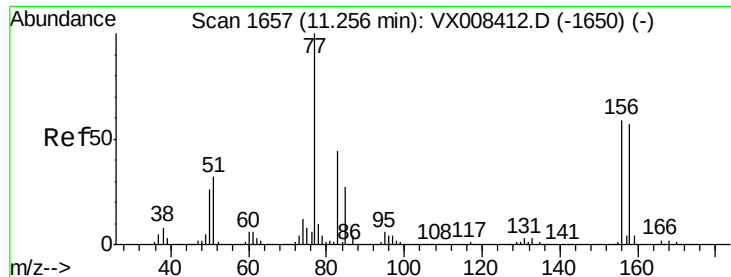
Delta R.T. 0.00 min

Lab File: VX008542.D

Acq: 29 Mar 2019 14:40

Tgt Ion:	75	Resp:	101879
Ion Ratio	Lower	Upper	
75	100		
77	43.4	21.9	65.7





#77

Bromobenzene

Concen: 21.638 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008542.D

Acq: 29 Mar 2019 14:40

Instrument :

MSVOA_X

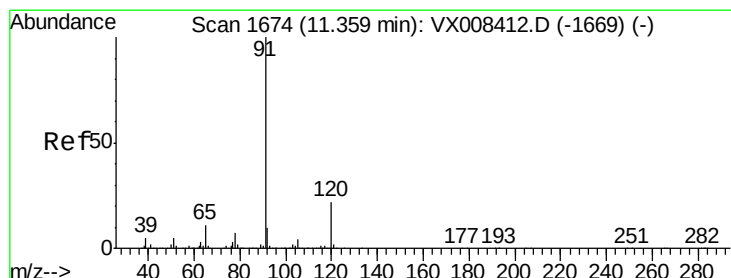
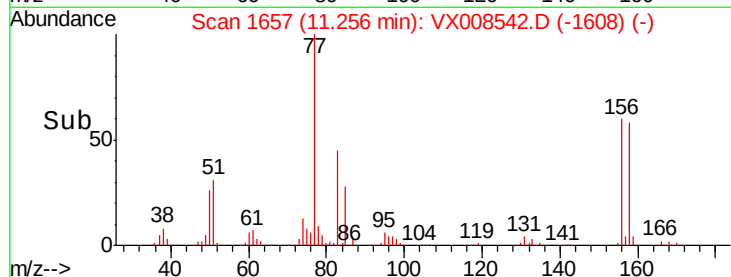
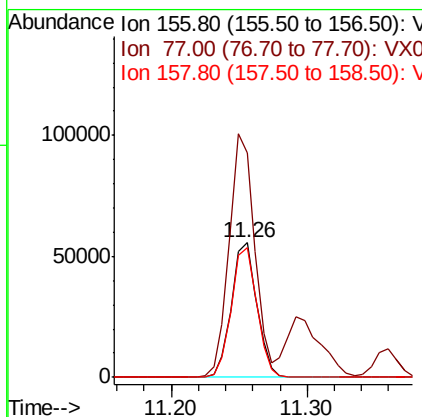
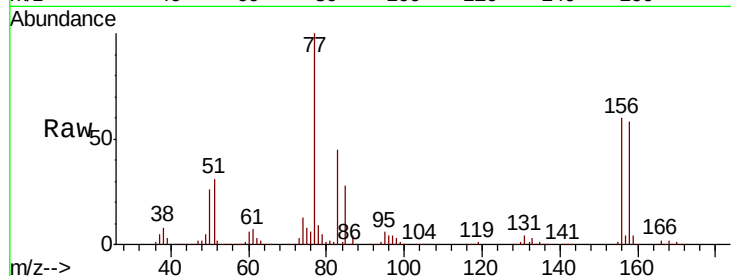
ClientSampled :

VX0329WBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	180.9	91.1	273.3
158	97.5	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 21.847 ug/l

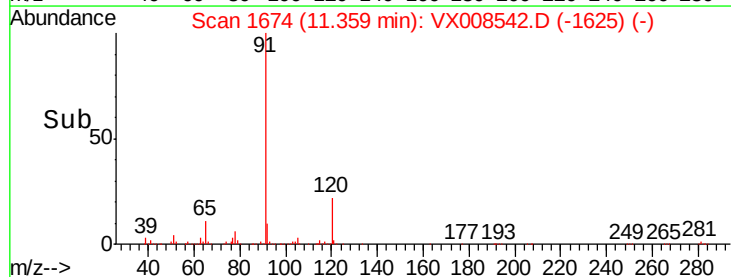
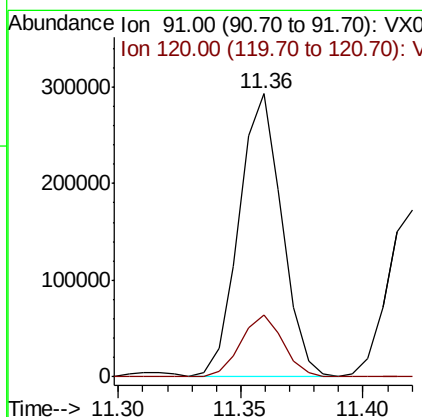
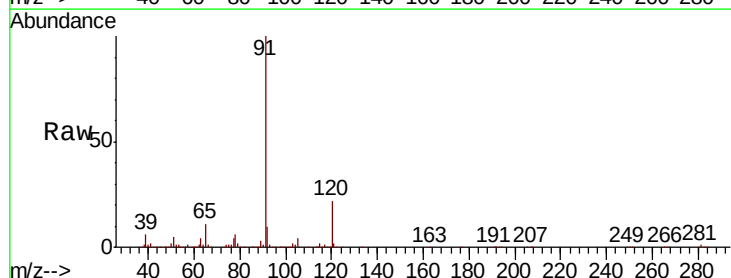
RT: 11.36 min Scan# 1674

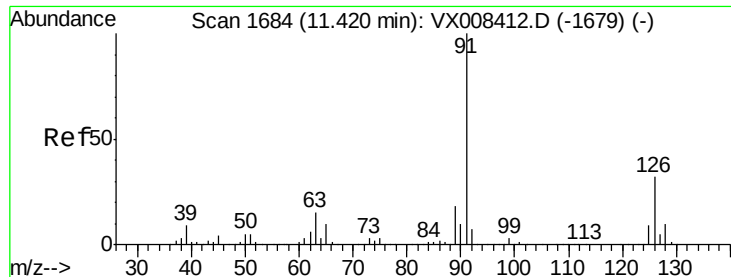
Delta R.T. 0.00 min

Lab File: VX008542.D

Acq: 29 Mar 2019 14:40

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.8	32.4





#79

2-Chlorotoluene

Concen: 21.739 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008542.D

Acq: 29 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBS02

Tot Ion: 91 Resp: 213944

Ion Ratio Lower Upper

91 100

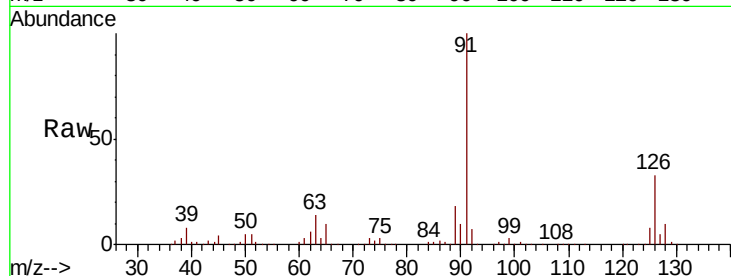
126 32.0 15.7 47.1

Manual Integrations

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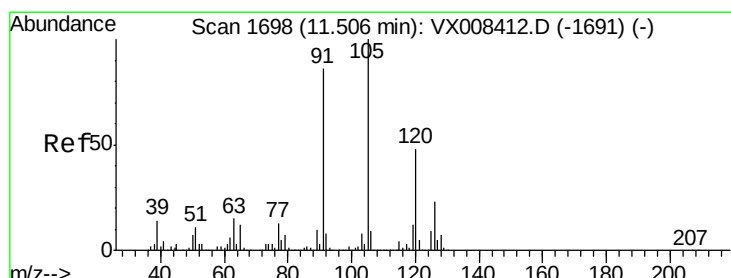
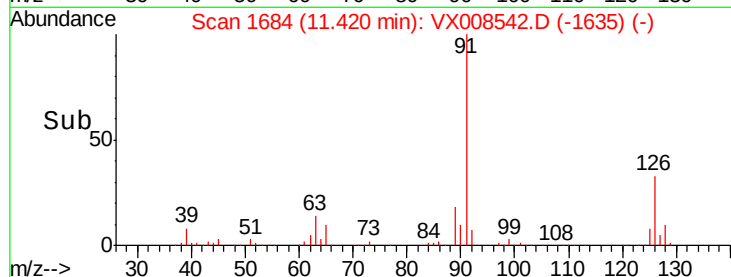
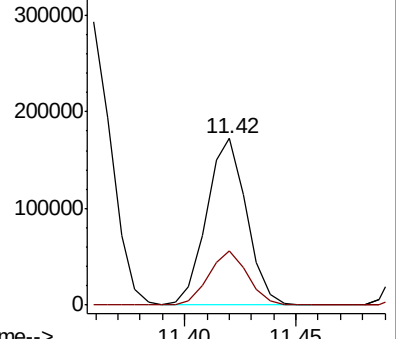
MMDadoda

3/30/2019 9:50:27 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 22.185 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008542.D

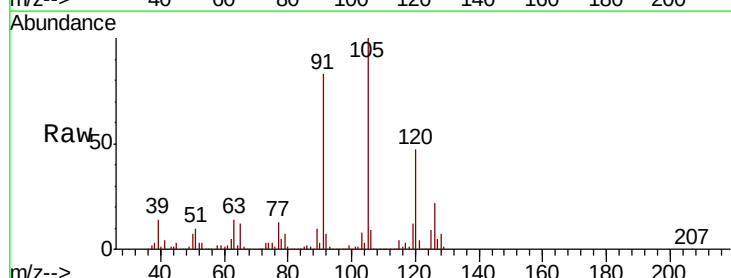
Acq: 29 Mar 2019 14:40

Tgt Ion:105 Resp: 259061

Ion Ratio Lower Upper

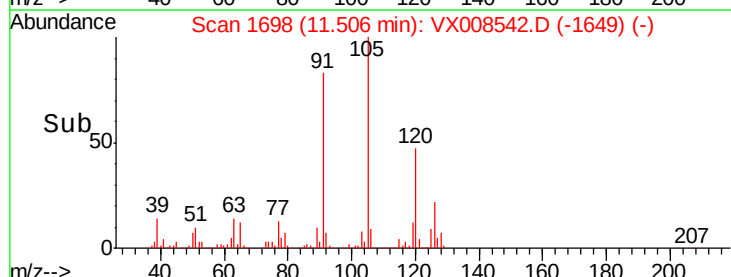
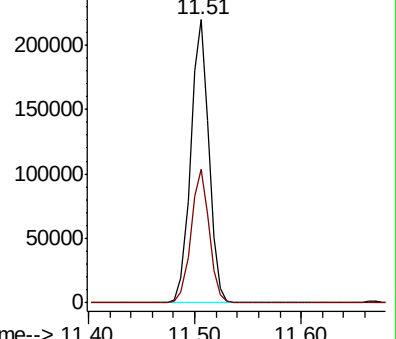
105 100

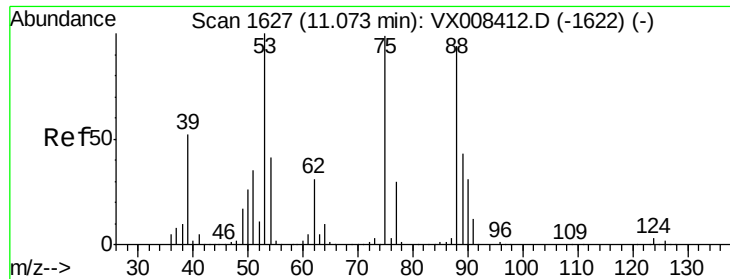
120 47.1 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





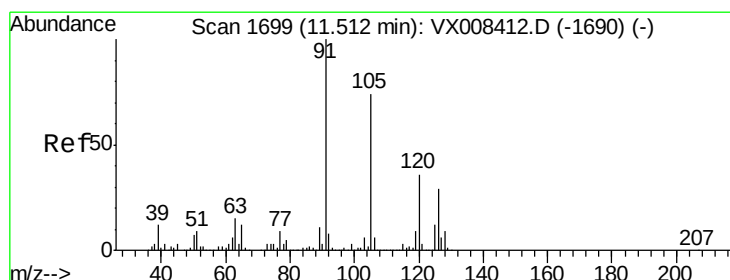
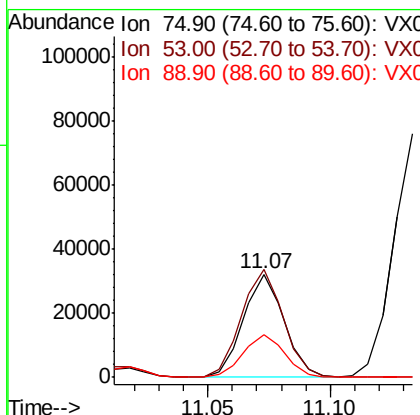
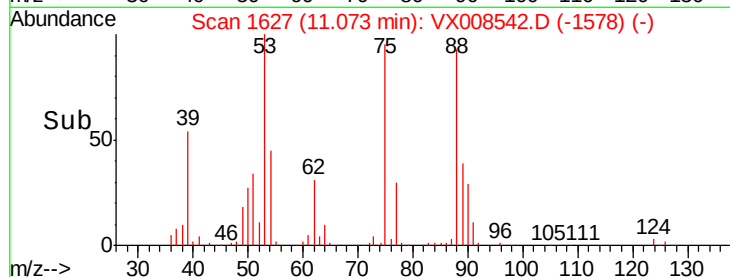
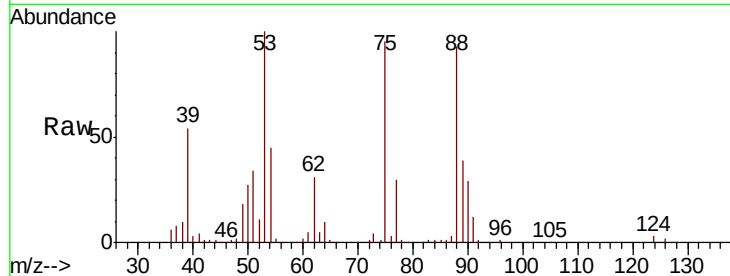
#81
trans-1,4-Dichloro-2-butene
Concen: 23.580 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX008542.D
Acq: 29 Mar 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.8	82.1	123.1
89	42.4	34.6	52.0

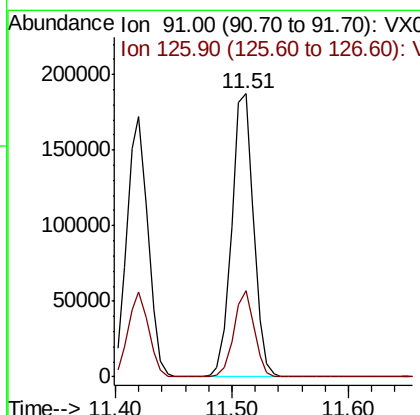
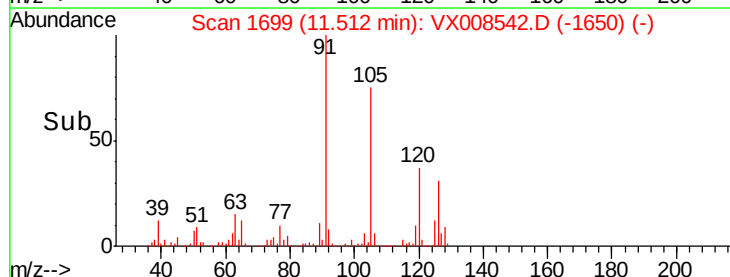
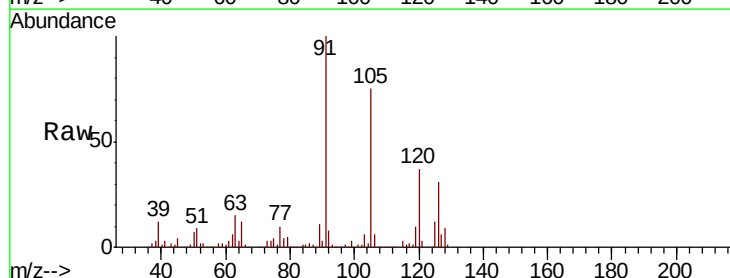
Manual Integrations
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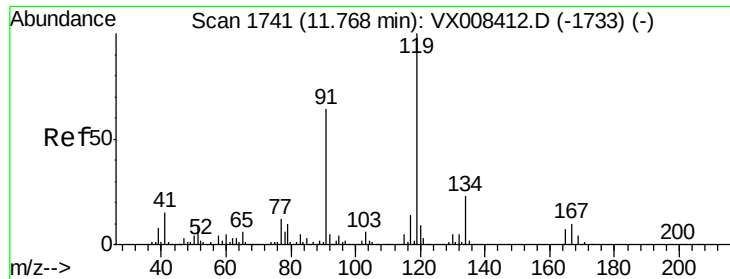
MMDadoda
3/30/2019 9:50:27 AM



#82
4-Chlorotoluene
Concen: 21.589 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX008542.D
Acq: 29 Mar 2019 14:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.4	13.9	41.7





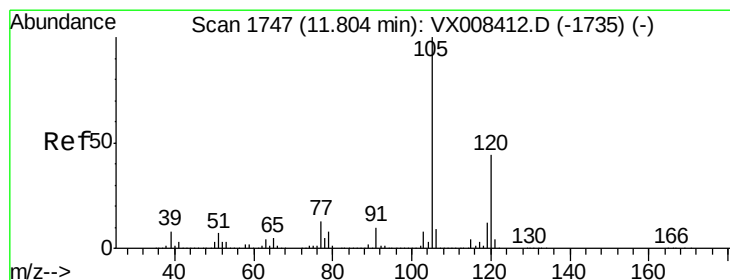
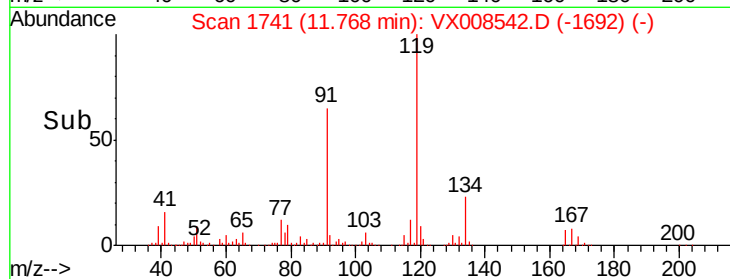
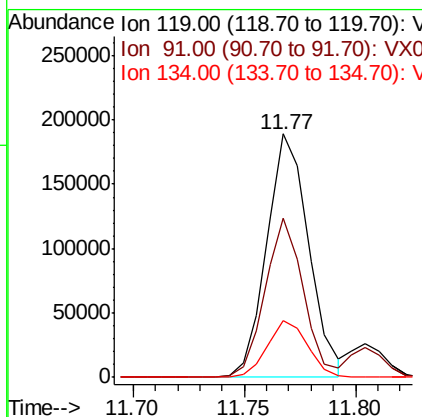
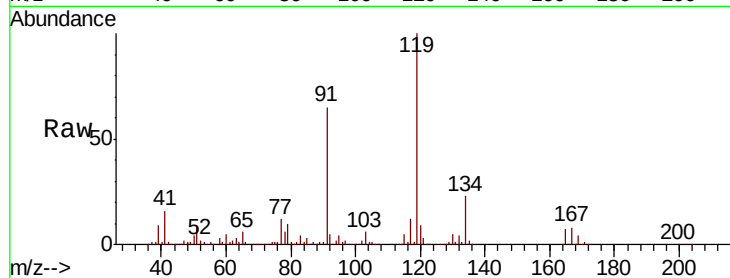
#83
 tert-Butylbenzene
 Concen: 21.926 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX008542.D
 Acq: 29 Mar 2019 14:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	247033		
91	60.1		30.1	90.3
134	22.4		10.9	32.9

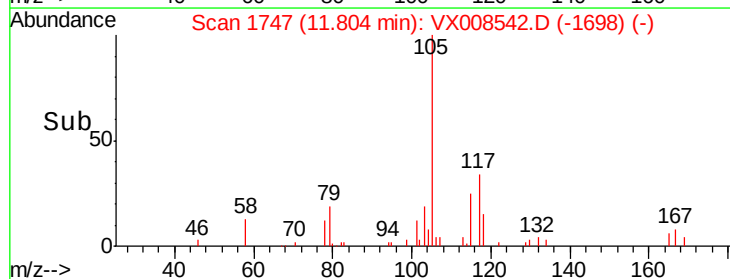
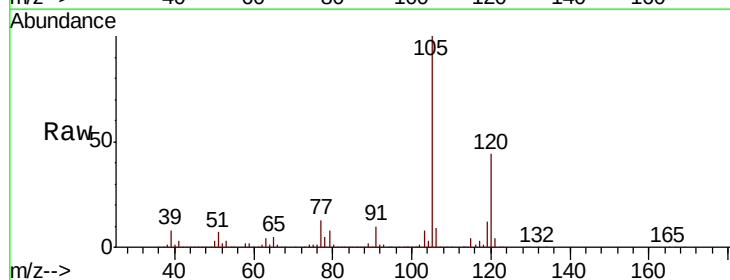
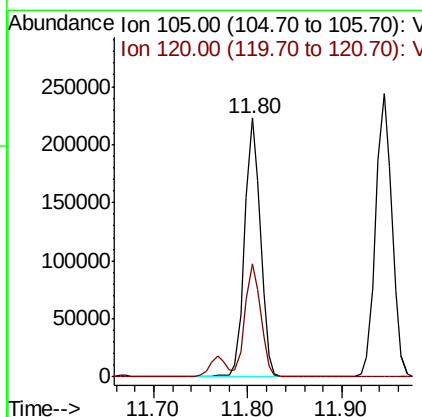
Manual Integrations
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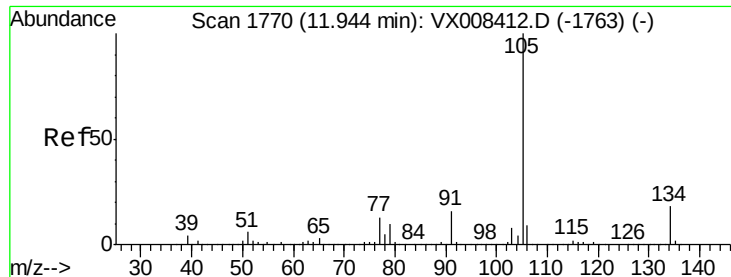
MMDadoda
 3/30/2019 9:50:27 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 22.037 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX008542.D
 Acq: 29 Mar 2019 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	260290		
120	43.1		21.6	65.0





#85

sec-Butylbenzene

Concen: 21.955 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008542.D

Acq: 29 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

VX0329WBS02

Tot Ion:105 Resp: 294567

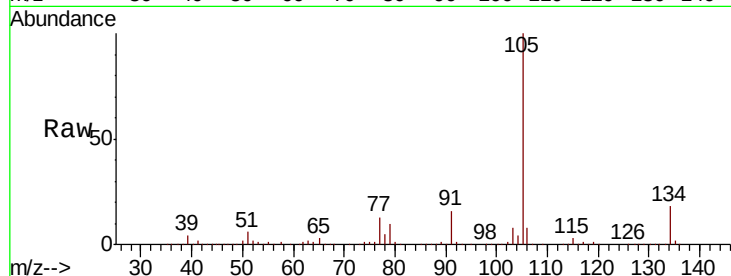
Ion Ratio Lower Upper

105 100

134 18.7 9.3 28.0

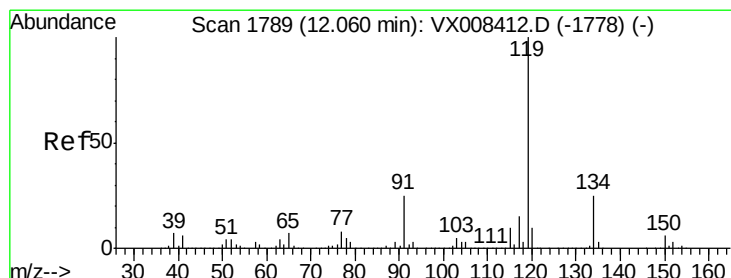
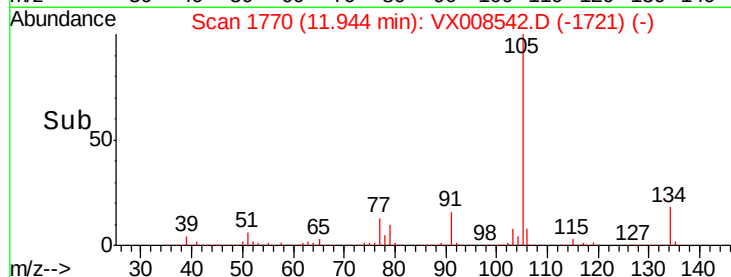
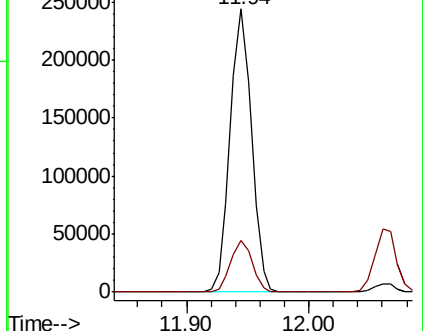
Manual Integrations
APPROVED

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.457 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008542.D

Acq: 29 Mar 2019 14:40

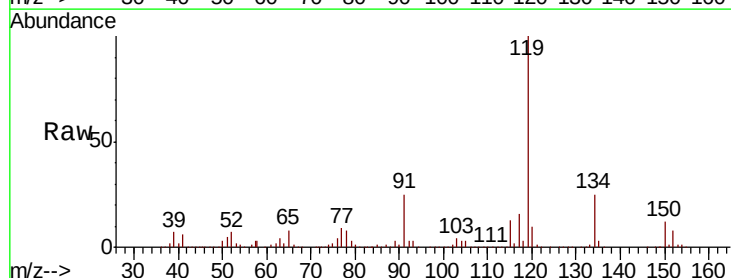
Tgt Ion:119 Resp: 265862

Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.4

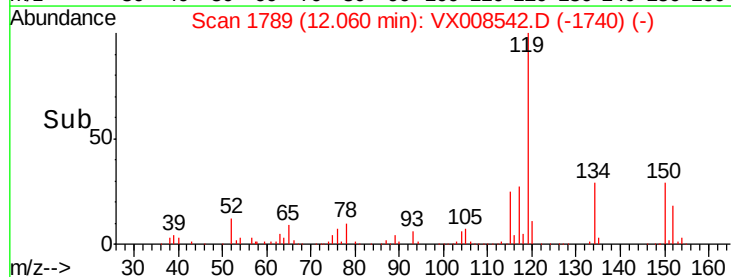
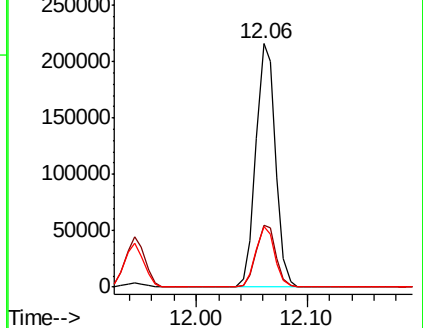
91 24.4 12.4 37.0

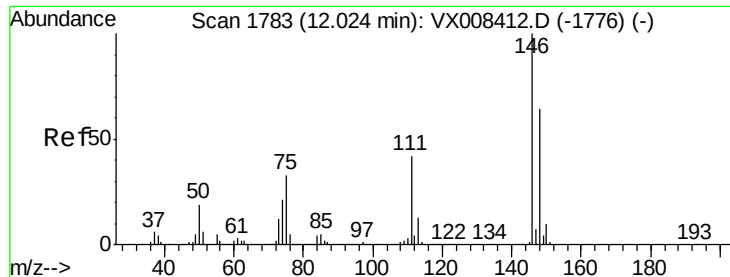


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





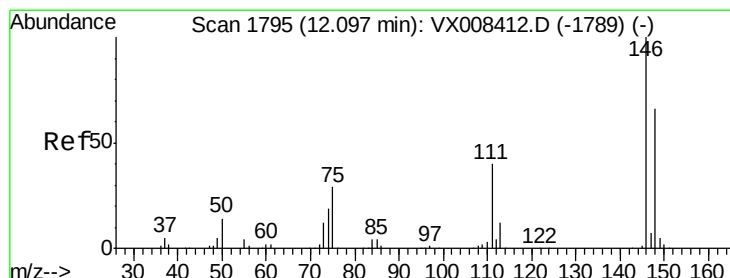
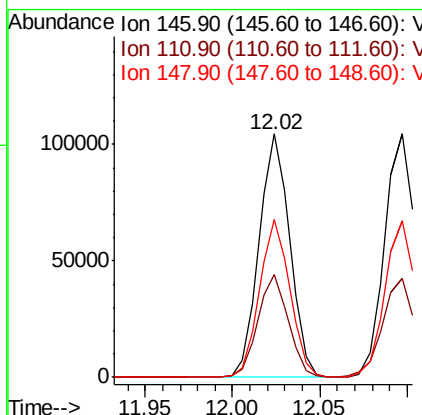
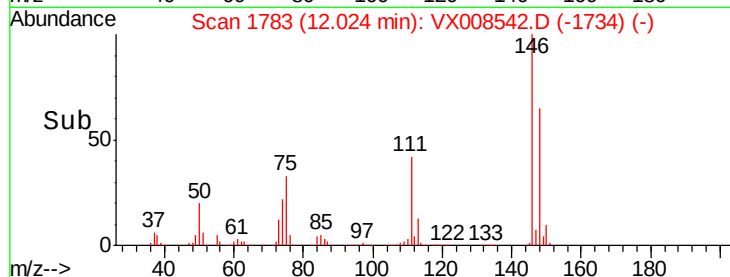
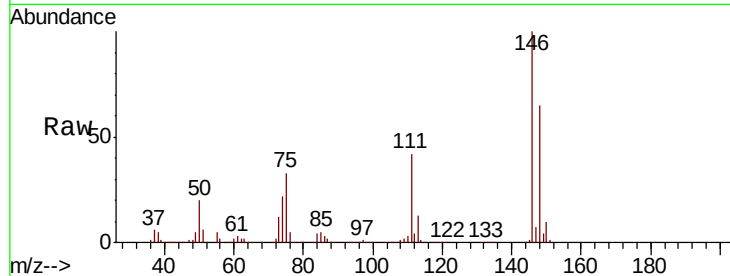
#87
 1,3-Dichlorobenzene
 Concen: 21.349 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008542.D
 Acq: 29 Mar 2019 14:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.8	62.5
148	64.1	32.0	96.0

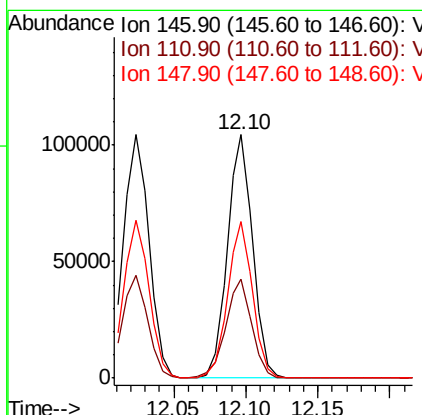
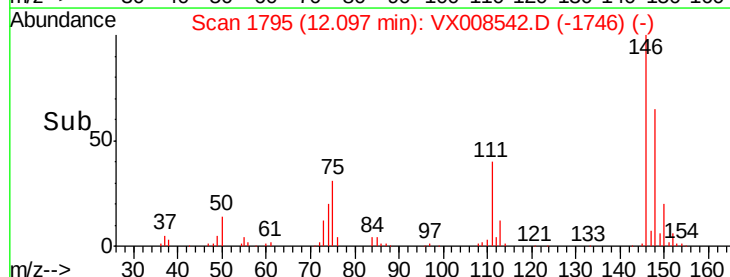
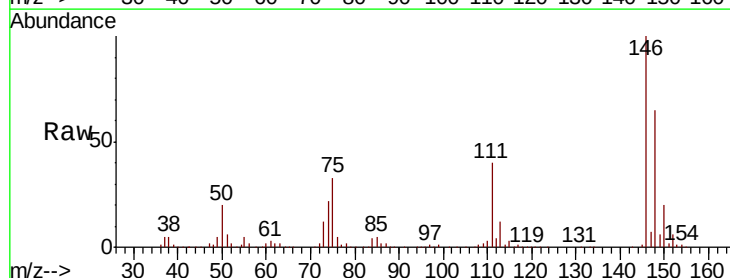
Manual Integrations
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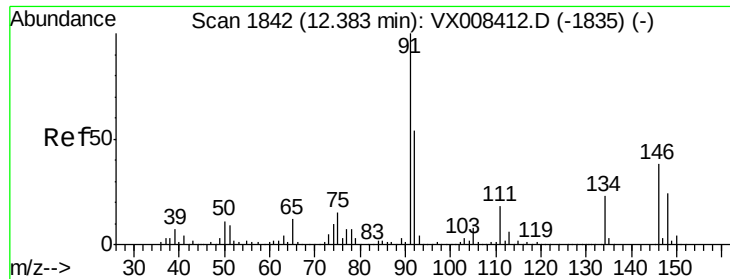
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#88
 1,4-Dichlorobenzene
 Concen: 21.312 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008542.D
 Acq: 29 Mar 2019 14:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.3	61.0
148	63.4	32.1	96.5





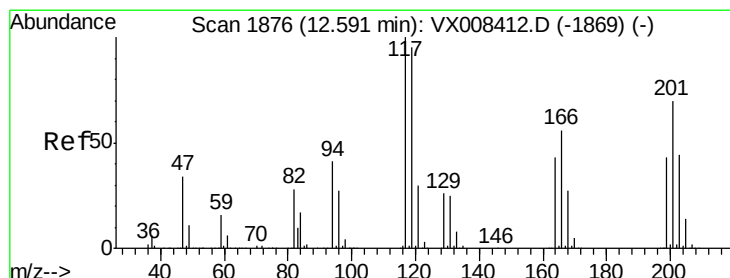
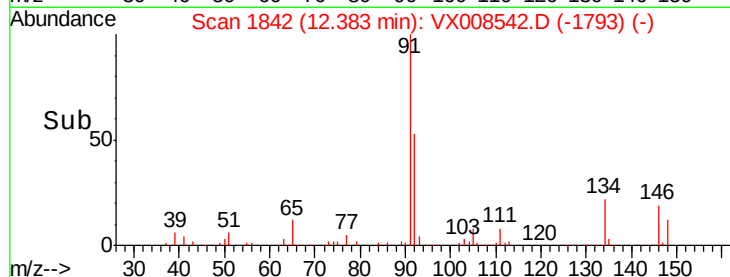
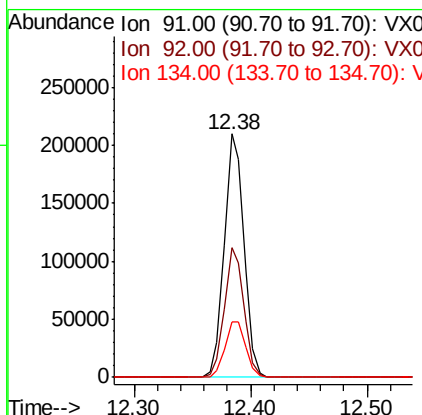
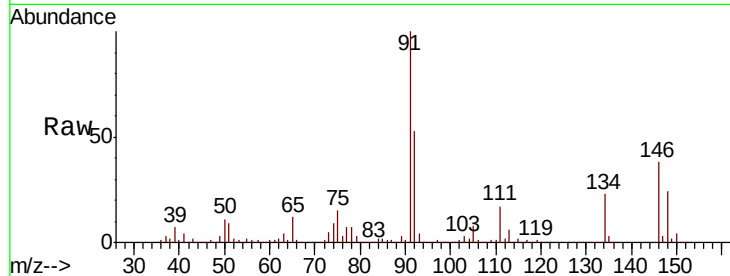
#89
n-Butylbenzene
Concen: 21.835 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX008542.D
Acq: 29 Mar 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.5	79.5
134	23.8	11.8	35.4

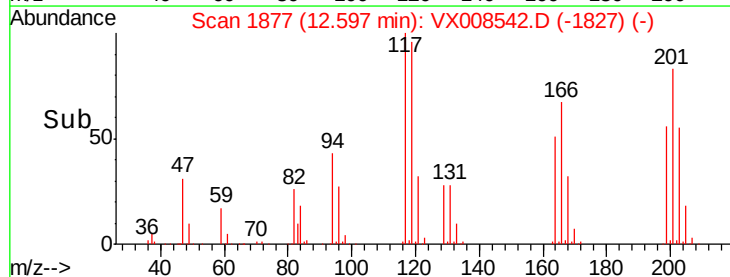
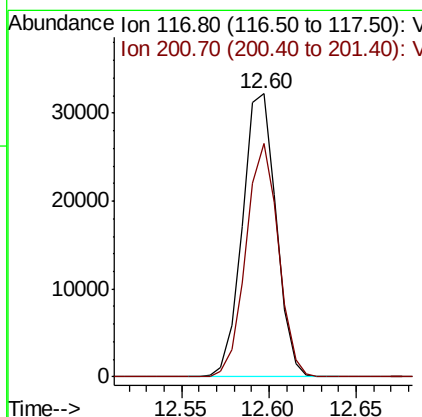
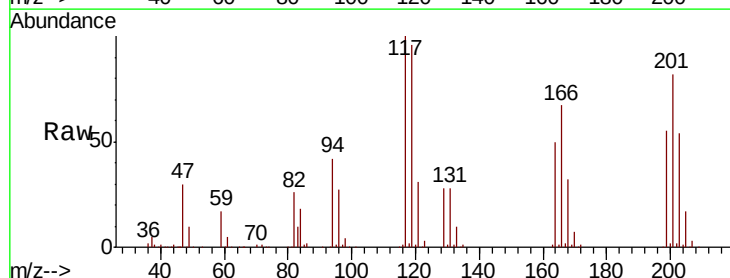
Manual Integrations
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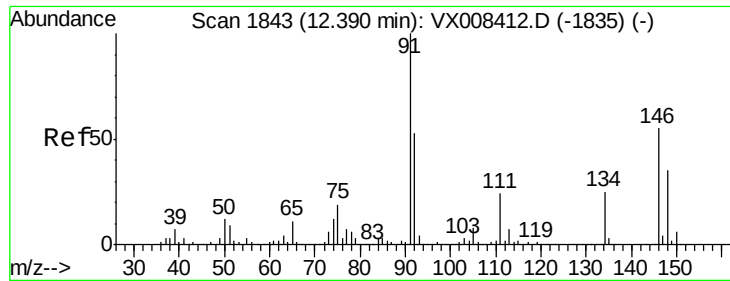
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3/30/2019 9:50:27 AM



#90
Hexachloroethane
Concen: 21.884 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VX008542.D
Acq: 29 Mar 2019 14:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.2	39.4	118.1





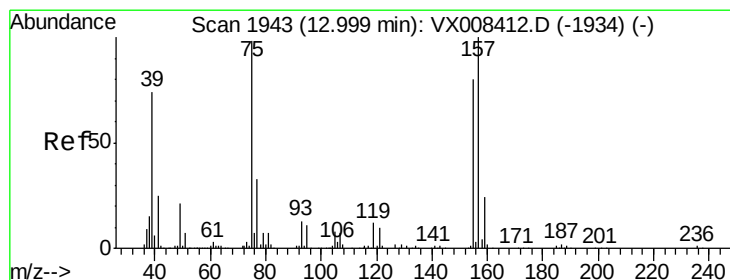
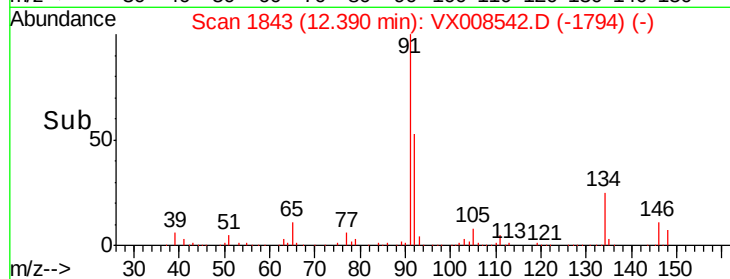
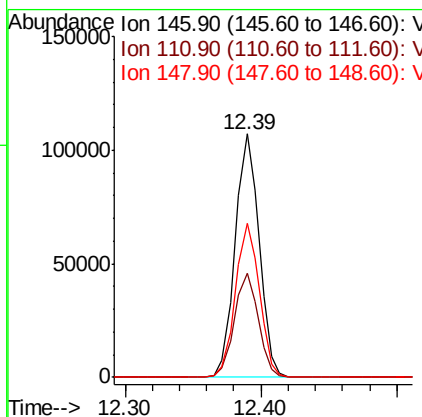
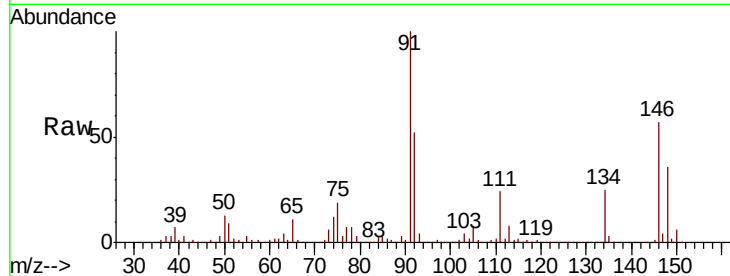
#91
 1,2-Dichlorobenzene
 Concen: 21.922 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008542.D
 Acq: 29 Mar 2019 14:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0329WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.6	64.6
148	63.2	31.9	95.7

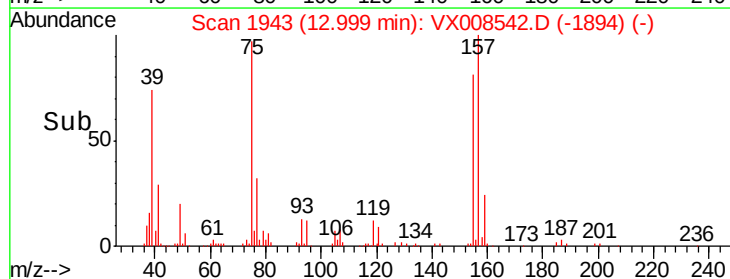
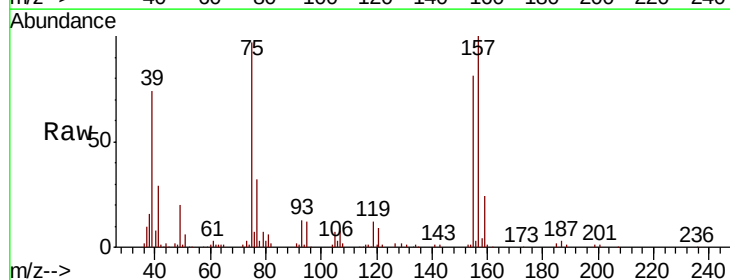
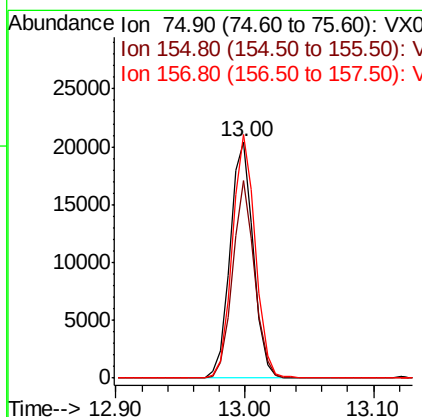
Manual Integrations
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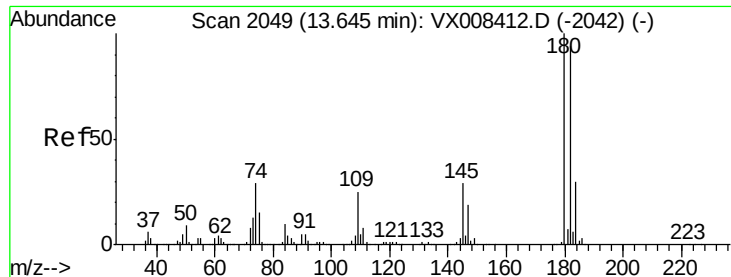
MMDadoda
 3/30/2019 9:50:27 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.091 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX008542.D
 Acq: 29 Mar 2019 14:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.5	39.5	118.5
157	101.4	49.9	149.7





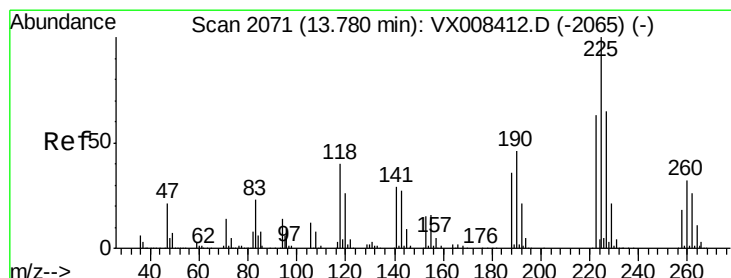
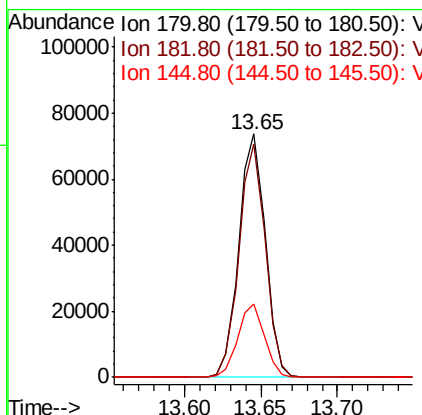
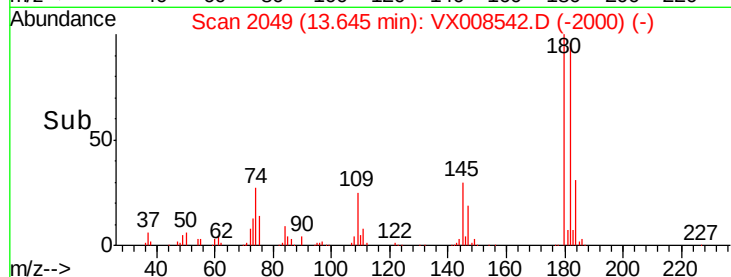
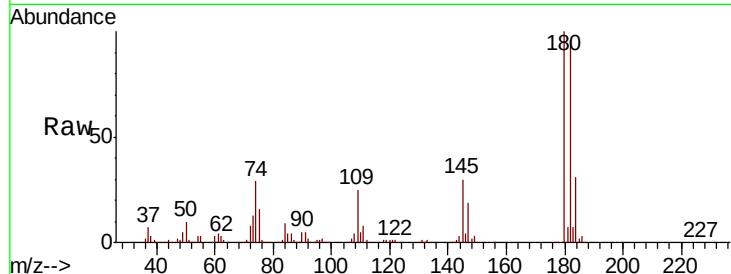
#93
 1,2,4-Trichlorobenzene
 Concen: 21.878 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008542.D
 Acq: 29 Mar 2019 14:40

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0329WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	88351		
182	95.3	47.3	142.0	
145	30.5	15.3	45.8	

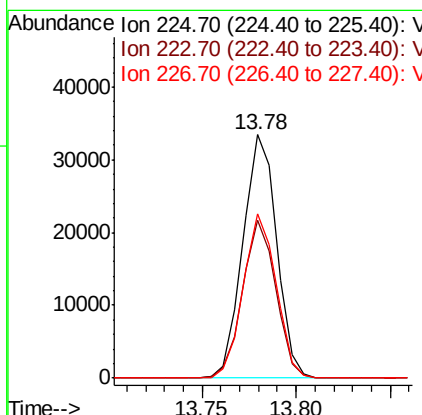
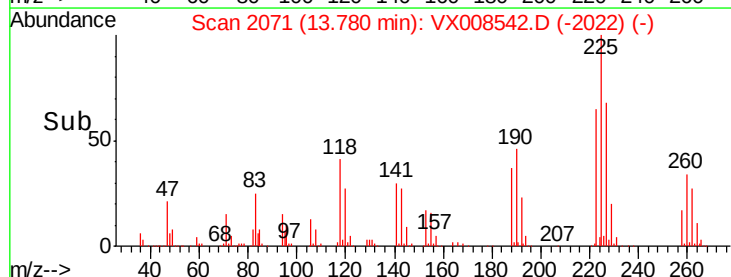
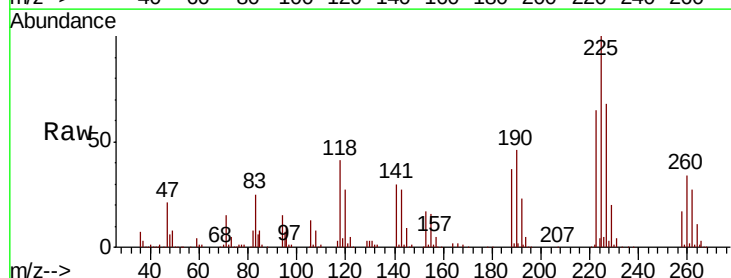
Manual Integrations
 APPROVED

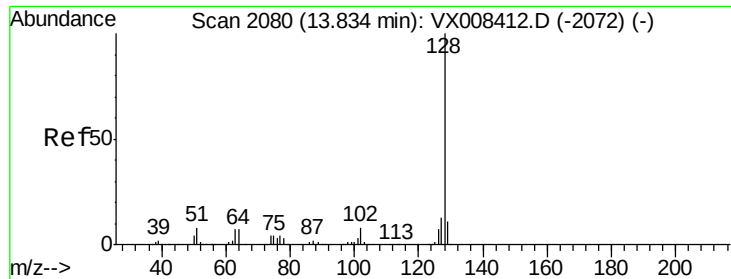
MMDadoda
 3/30/2019 9:50:27 AM



#94
 Hexachlorobutadiene
 Concen: 21.712 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008542.D
 Acq: 29 Mar 2019 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	41633		
223	63.5	31.4	94.0	
227	65.9	31.9	95.9	





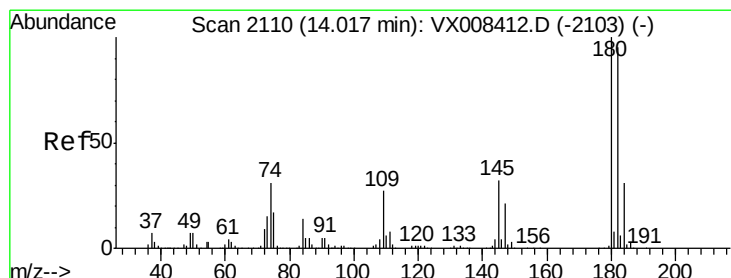
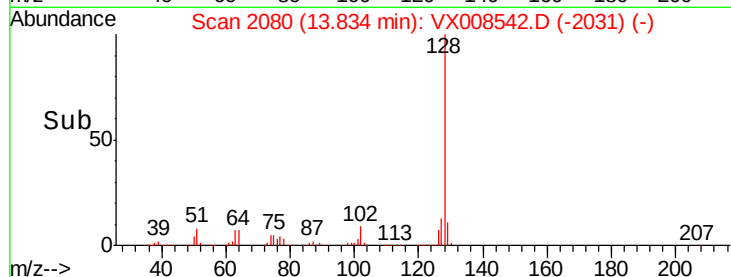
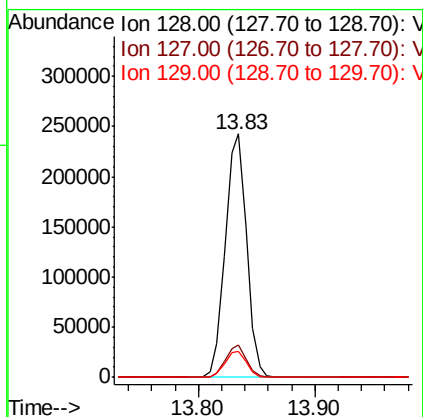
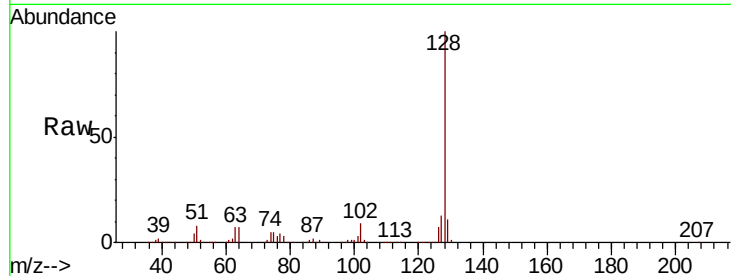
#95
Naphthalene
Concen: 22.187 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX008542.D
Acq: 29 Mar 2019 14:40

Instrument :
MSVOA_X
ClientSampleId :
VX0329WBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/30/2019 9:50:27 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.969 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX008542.D
Acq: 29 Mar 2019 14:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.3	142.0
145	31.7	16.2	48.5

