

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112018\
 Data File : VX006110.D
 Acq On : 20 Nov 2018 19:29
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 11/21/2018 10:37:28 AM

Quant Time: Nov 21 08:14:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 07:49:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	301468	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	446724	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	436161	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	261702	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	530935	151.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	303.98%	
35) Dibromofluoromethane	5.50	113	433488	151.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	302.34%	
50) Toluene-d8	8.71	98	1668208	152.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	305.04%	
62) 4-Bromofluorobenzene	11.14	95	685195	166.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	333.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	325669	145.37	ug/l	99
3) Chloromethane	1.32	50	427760	151.15	ug/l	99
4) Vinyl Chloride	1.41	62	433769	150.69	ug/l	97
5) Bromomethane	1.64	94	362347	181.57	ug/l	98
6) Chloroethane	1.70	64	347085	195.71	ug/l	98
7) Trichlorofluoromethane	1.92	101	563009	149.51	ug/l	100
8) Diethyl Ether	2.19	74	222334	139.67	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	320809	143.67	ug/l	100
10) Methyl Iodide	2.50	142	449194	160.45	ug/l	99
11) Tert butyl alcohol	3.10	59	612933	824.82	ug/l	97
12) 1,1-Dichloroethene	2.37	96	309730	142.29	ug/l	97
13) Acrolein	2.30	56	329970	742.06	ug/l	99
14) Allyl chloride	2.72	41	663057	148.88	ug/l	99
15) Acrylonitrile	3.15	53	1226223	747.08	ug/l	100
16) Acetone	2.45	43	1094137	705.84	ug/l	99
17) Carbon Disulfide	2.56	76	927580	157.81	ug/l	99
18) Methyl Acetate	2.78	43	609297	153.28	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	1116035	148.33	ug/l	100
20) Methylene Chloride	2.85	84	352229	137.91	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	338413	148.59	ug/l	95
22) Diisopropyl ether	3.87	45	1497952	157.12	ug/l	99
23) Vinyl Acetate	3.82	43	6500442	821.85	ug/l	100
24) 1,1-Dichloroethane	3.69	63	653062	145.40	ug/l	99
25) 2-Butanone	4.71	43	2176145	756.33	ug/l	99
26) 2,2-Dichloropropane	4.58	77	553761	149.59	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	469848	147.60	ug/l	99
28) Bromochloromethane	5.02	49	366144	139.87	ug/l	100
29) Tetrahydrofuran	5.16	42	1407929	784.42	ug/l	100
30) Chloroform	5.21	83	782876	143.83	ug/l	99
31) Cyclohexane	5.57	56	713188	152.01	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	678380	154.36	ug/l	99
36) 1,1-Dichloropropene	5.79	75	601939	148.11	ug/l	99
37) Ethyl Acetate	4.86	43	785433	150.21	ug/l	99
38) Carbon Tetrachloride	5.78	117	597464	156.41	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	718367	155.15	ug/l	98
40) Benzene	6.14	78	1747951	145.98	ug/l	99
41) Methacrylonitrile	5.06	41	440758	152.96	ug/l	99
42) 1,2-Dichloroethane	6.20	62	640578	143.10	ug/l	99
43) Isopropyl Acetate	6.46	43	1216035	161.04	ug/l	99
44) Trichloroethene	7.21	130	492013	147.85	ug/l	98
45) 1,2-Dichloropropane	7.52	63	474839	149.85	ug/l	100
46) Dibromomethane	7.66	93	312657	144.08	ug/l	99
47) Bromodichloromethane	7.90	83	613924	152.96	ug/l	99
48) Methyl methacrylate	7.78	41	649415	169.58	ug/l	100
49) 1,4-Dioxane	7.76	88	293699	3232.54	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	4537656	838.23	ug/l	99
52) Toluene	8.79	92	1133503	153.05	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	708891	169.26	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	748934	161.75	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	477675	148.93	ug/l	98
56) Ethyl methacrylate	9.18	69	797539	181.10	ug/l	99
57) 1,3-Dichloropropane	9.37	76	791226	149.66	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	2159815	853.32	ug/l	99
59) 2-Hexanone	9.50	43	3697746	860.72	ug/l	99
60) Dibromochloromethane	9.59	129	526867	167.55	ug/l	99
61) 1,2-Dibromoethane	9.68	107	508867	154.00	ug/l	99
64) Tetrachloroethene	9.34	164	499619	139.20	ug/l	99
65) Chlorobenzene	10.14	112	1325354	148.14	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	484395	157.71	ug/l	100
67) Ethyl Benzene	10.25	91	2277726	155.49	ug/l	98
68) m/p-Xylenes	10.36	106	1788395	313.52	ug/l	100
69) o-Xylene	10.70	106	872388	160.11	ug/l	99
70) Styrene	10.71	104	1501210	168.98	ug/l	100
71) Bromoform	10.86	173	481983	175.31	ug/l	99
73) Isopropylbenzene	11.02	105	2365877	149.41	ug/l	99
74) N-amyl acetate	10.90	43	1261900	175.54	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	884579	148.24	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	799018m	148.30	ug/l	
77) Bromobenzene	11.26	156	650510	146.65	ug/l	99
78) n-propylbenzene	11.36	91	2817642	152.80	ug/l	100
79) 2-Chlorotoluene	11.42	91	1643968	147.36	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	2077691	155.63	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	276278	173.43	ug/l	94
82) 4-Chlorotoluene	11.51	91	2007251	154.18	ug/l	99
83) tert-Butylbenzene	11.77	119	2063261	158.31	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	2142888	157.36	ug/l	100
85) sec-Butylbenzene	11.94	105	2506612	157.24	ug/l	100
86) p-Isopropyltoluene	12.07	119	2238433	157.49	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	1231626	150.59	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	1244854	146.82	ug/l	100
89) n-Butylbenzene	12.39	91	2121685	164.87	ug/l	100
90) Hexachloroethane	12.60	117	378923	167.06	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	1256110	150.22	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	225525	162.87	ug/l	100

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VSTDICC150

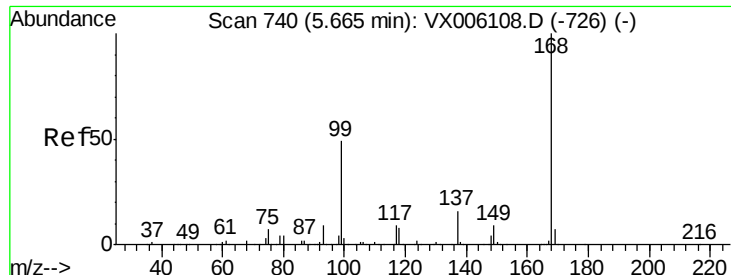
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	935451	158.81	ug/l	99
94) Hexachlorobutadiene	13.79	225	426274	148.49	ug/l	100
95) Naphthalene	13.83	128	2851385	164.62	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	923803	153.83	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006110.D

Acq: 20 Nov 2018 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:168 Resp: 301468

Ion Ratio Lower Upper

168 100

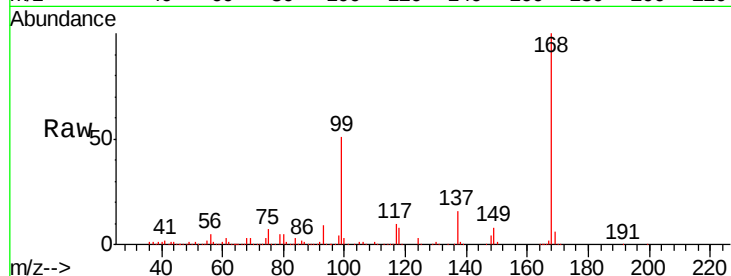
99 50.8 39.2 58.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

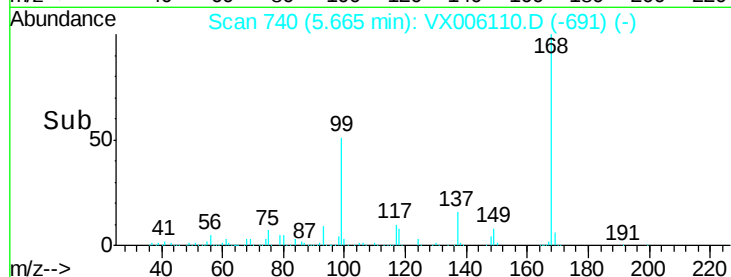
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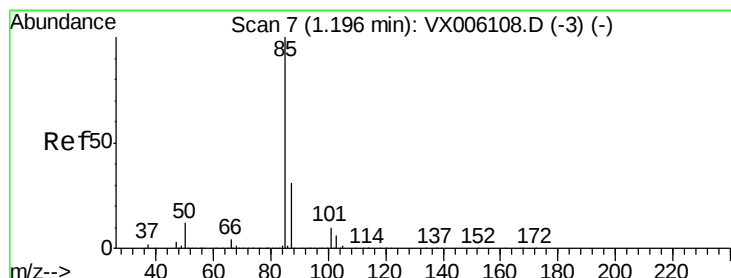
50000

0

5.50 5.60 5.70 5.80



Time-->



#2

Dichlorodifluoromethane

Concen: 145.37 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX006110.D

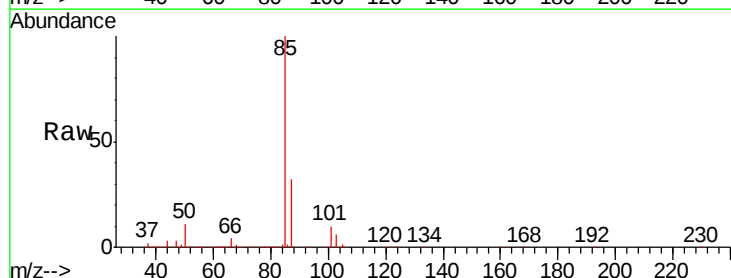
Acq: 20 Nov 2018 19:29

Tgt Ion: 85 Resp: 325669

Ion Ratio Lower Upper

85 100

87 31.7 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

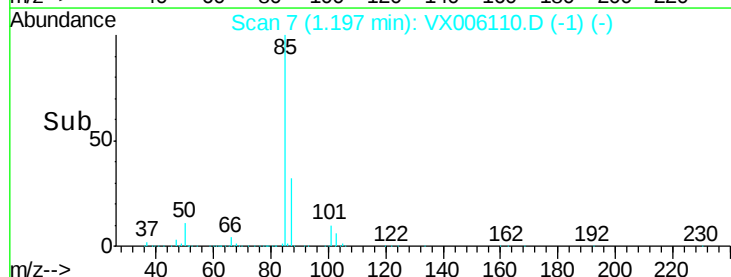
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200000

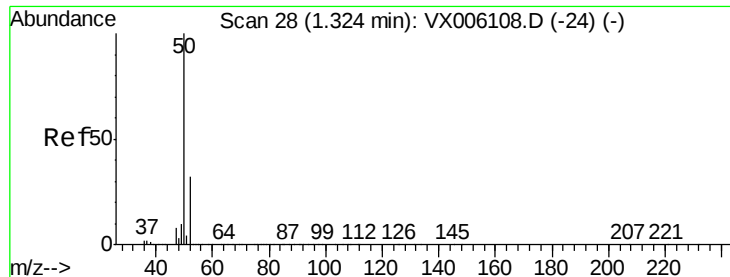
100000

0

1.15 1.20 1.25 1.30



Time-->



#3

Chloromethane

Concen: 151.15 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX006110.D

Acq: 20 Nov 2018 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 50 Resp: 427760

Ion Ratio Lower Upper

50 100

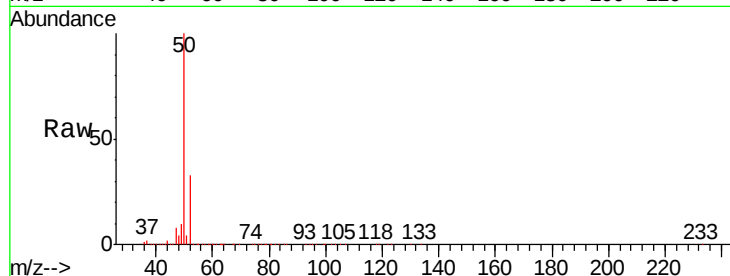
52 32.7 25.6 38.4

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400000

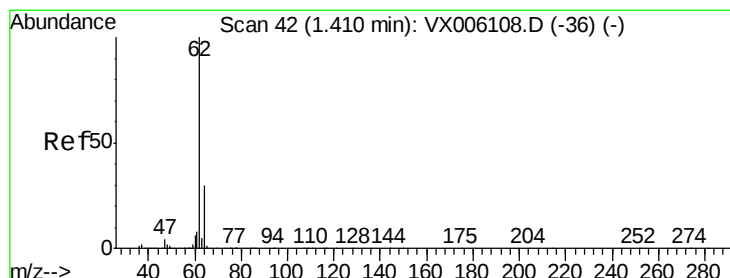
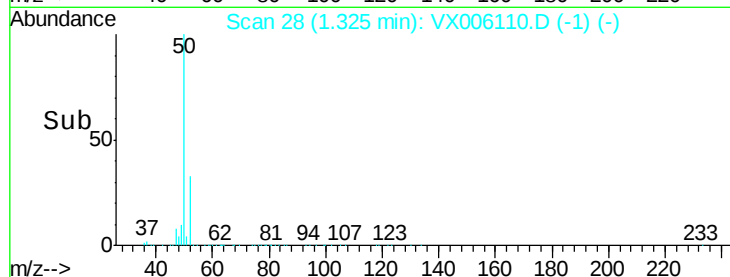
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 150.69 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006110.D

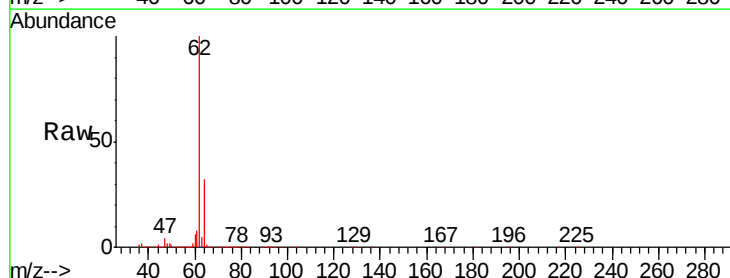
Acq: 20 Nov 2018 19:29

Tgt Ion: 62 Resp: 433769

Ion Ratio Lower Upper

62 100

64 32.0 24.2 36.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

400000

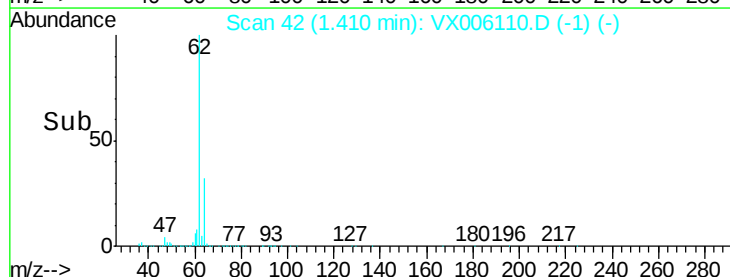
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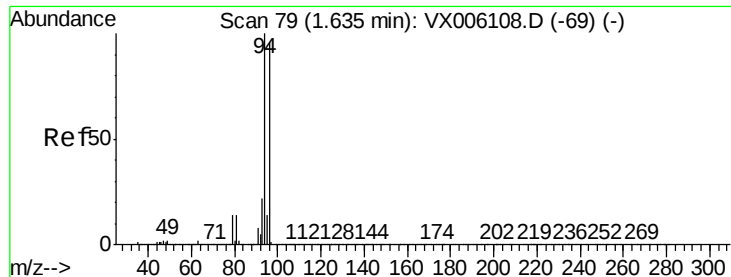
200000

100000

0

Time-->





#5

Bromomethane

Concen: 181.57 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX006110.D

Acq: 20 Nov 2018 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 94 Resp: 362347

Ion Ratio Lower Upper

94 100

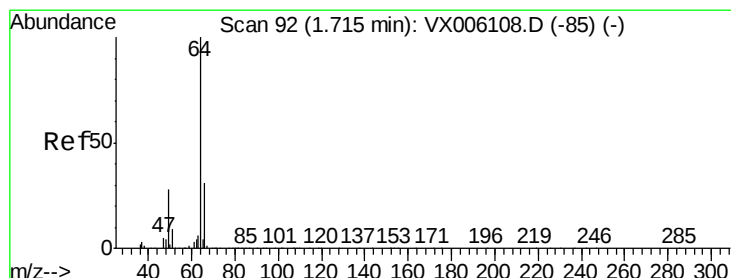
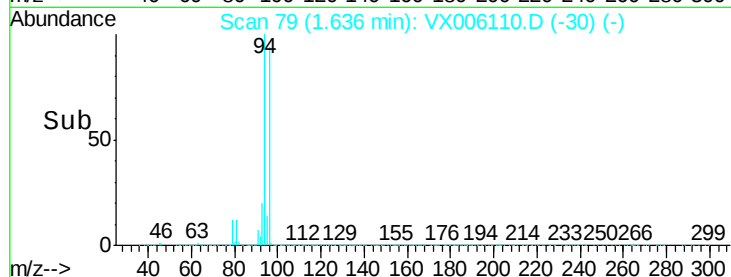
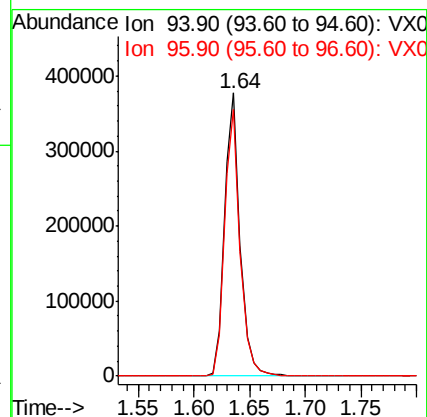
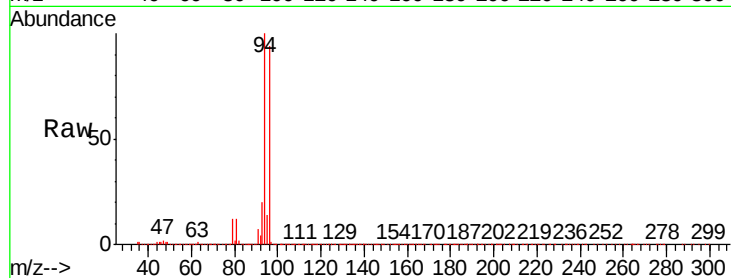
96 94.4 76.7 115.1

Manual Integrations

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#6

Chloroethane

Concen: 195.71 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX006110.D

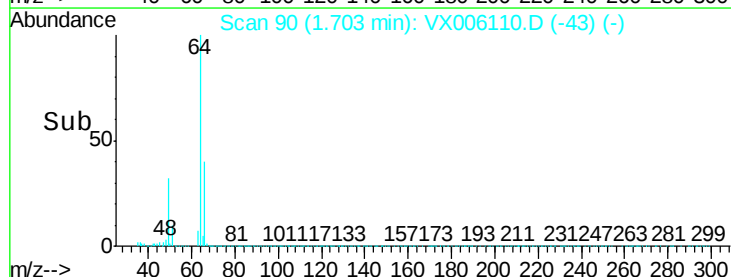
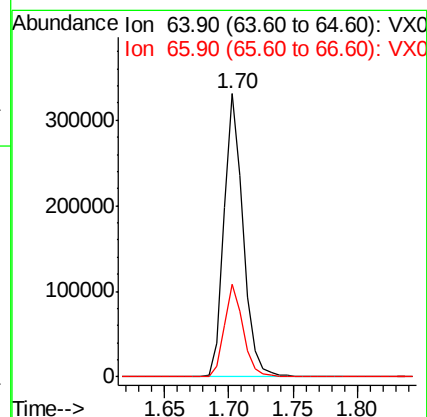
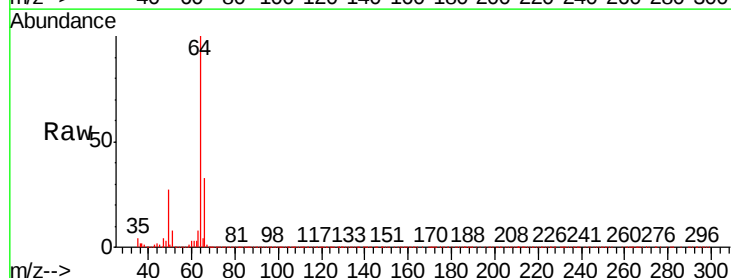
Acq: 20 Nov 2018 19:29

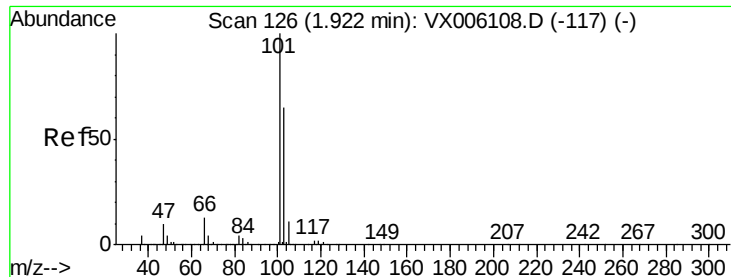
Tgt Ion: 64 Resp: 347085

Ion Ratio Lower Upper

64 100

66 32.5 25.1 37.7





#7

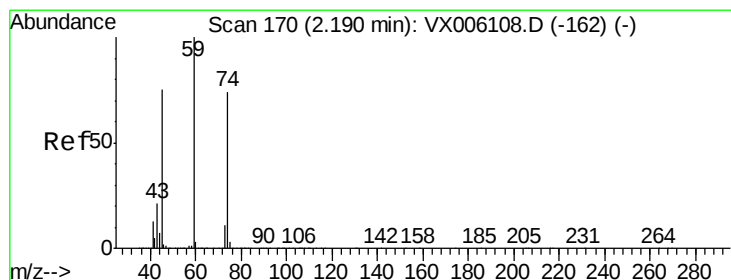
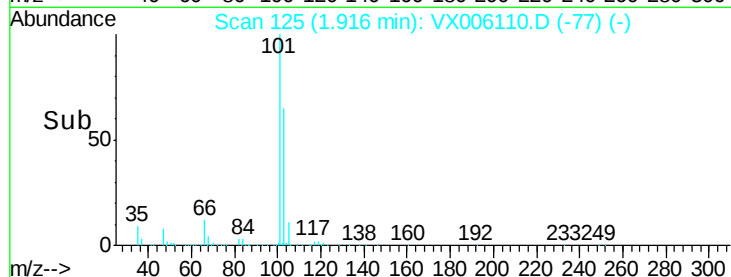
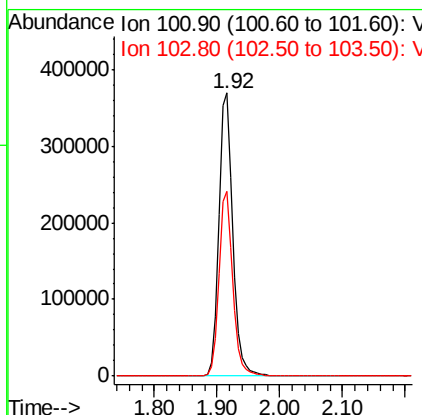
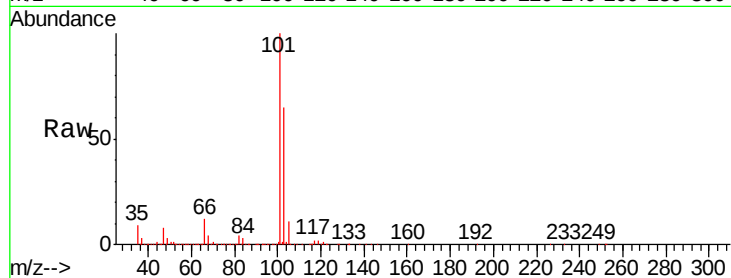
Trichlorofluoromethane
Concen: 149.51 ug/l
RT: 1.92 min Scan# 125
Delta R.T. -0.01 min
Lab File: VX006110.D
Acq: 20 Nov 2018 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.1	78.1

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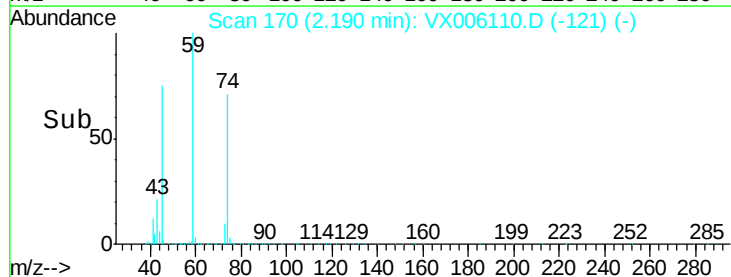
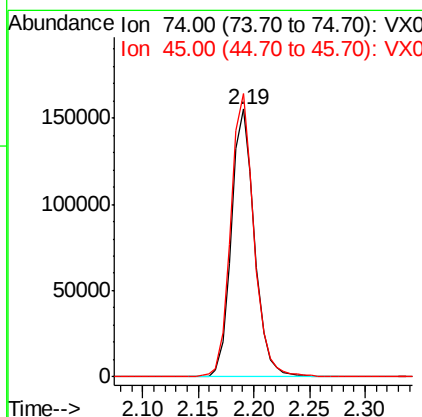
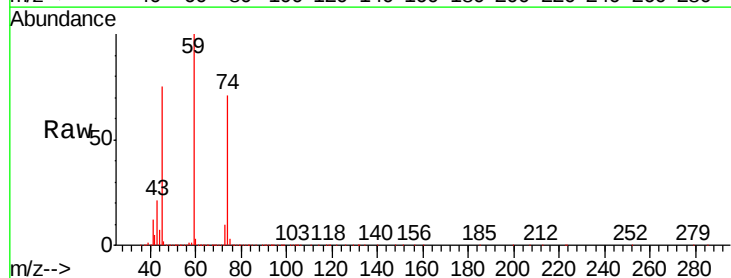
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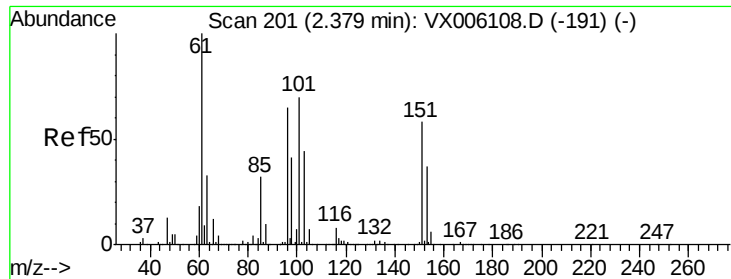


#8

Diethyl Ether
Concen: 139.67 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX006110.D
Acq: 20 Nov 2018 19:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.2	52.2	156.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 143.67 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX006110.D

Acq: 20 Nov 2018 19:29

Instrument :

MSVOA_X

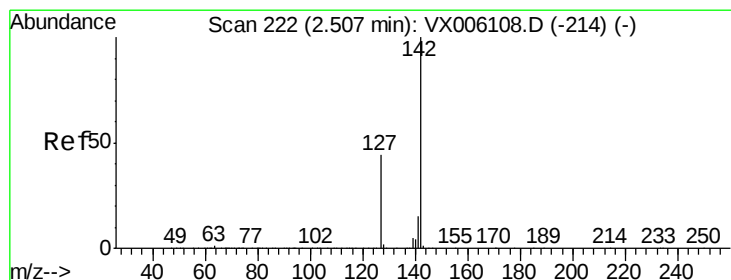
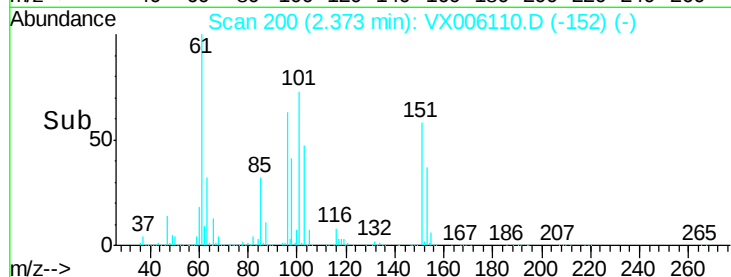
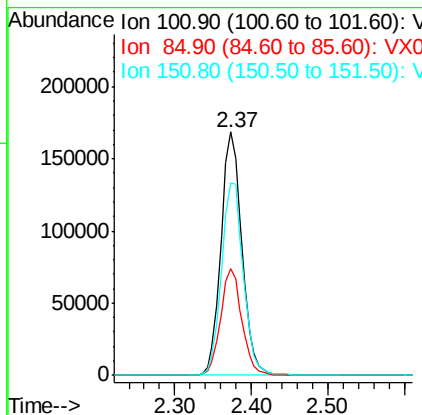
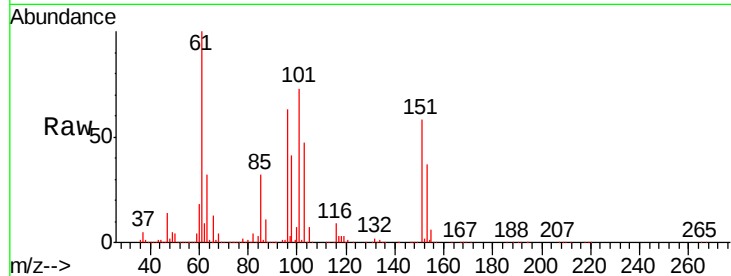
ClientSampleId :

VSTDIC150

Tgt Ion:	101	Resp:	320809
Ion Ratio	Lower	Upper	
101	100		
85	44.5	36.0	54.0
151	82.3	65.8	98.6

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#10

Methyl Iodide

Concen: 160.45 ug/l

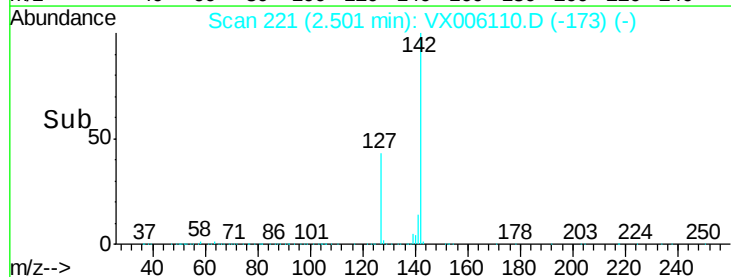
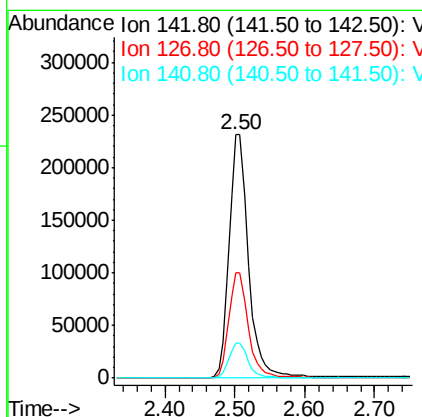
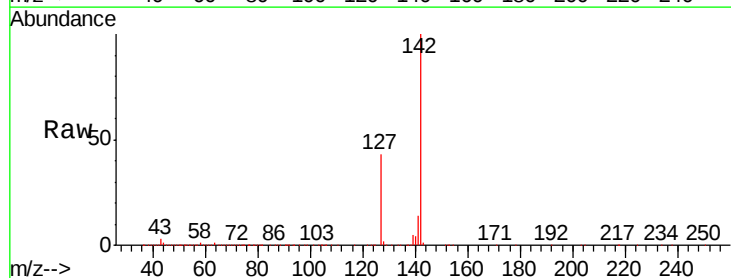
RT: 2.50 min Scan# 221

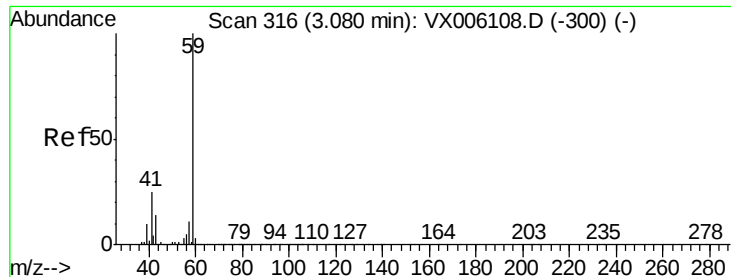
Delta R.T. -0.01 min

Lab File: VX006110.D

Acq: 20 Nov 2018 19:29

Tgt Ion:	142	Resp:	449194
Ion Ratio	Lower	Upper	
142	100		
127	43.8	36.0	54.0
141	14.4	11.7	17.5





#11

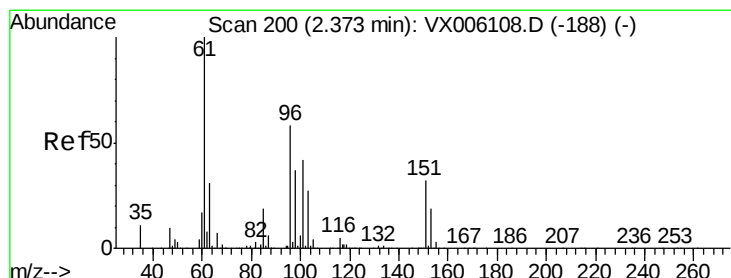
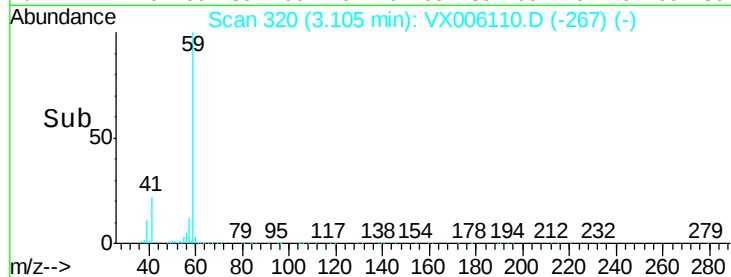
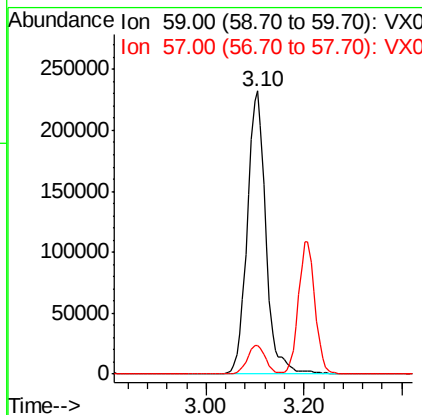
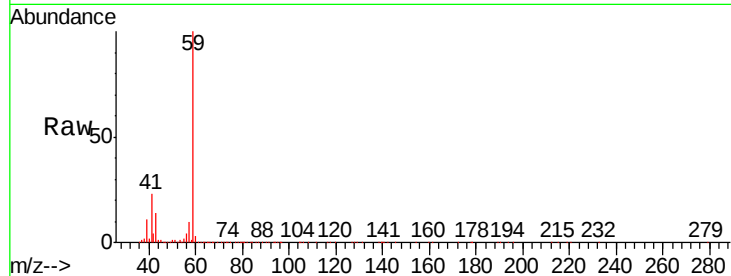
Tert butyl alcohol
Concen: 824.82 ug/l
RT: 3.10 min Scan# 320
Delta R.T. 0.02 min
Lab File: VX006110.D
Acq: 20 Nov 2018 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.7	13.1

Manual Integrations
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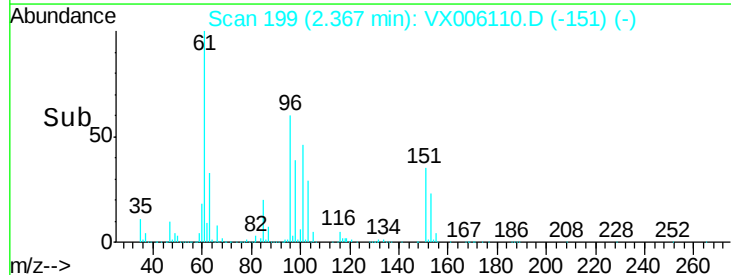
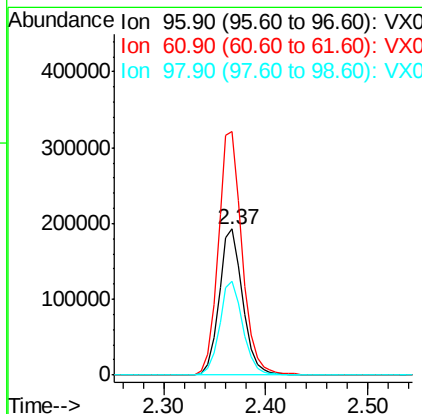
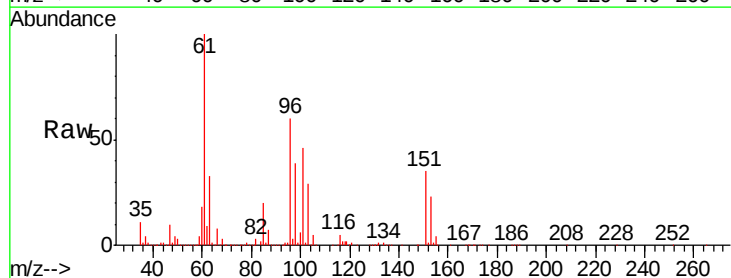
MMDadoda
11/21/2018 10:37:28 AM

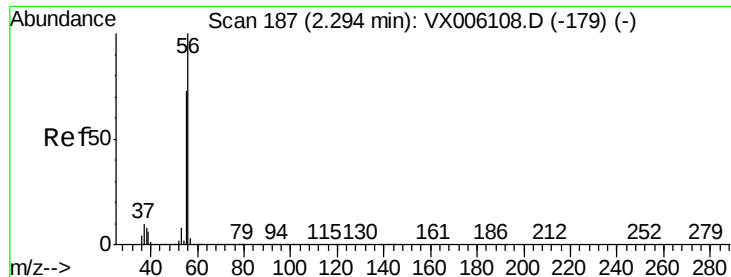


#12

1,1-Dichloroethene
Concen: 142.29 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX006110.D
Acq: 20 Nov 2018 19:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.9	138.2	207.4
98	64.3	51.3	76.9





#13

Acrolein

Concen: 742.06 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX006110.D

Acq: 20 Nov 2018 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 56 Resp: 329970

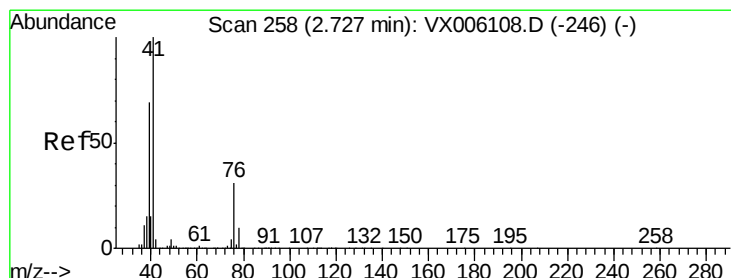
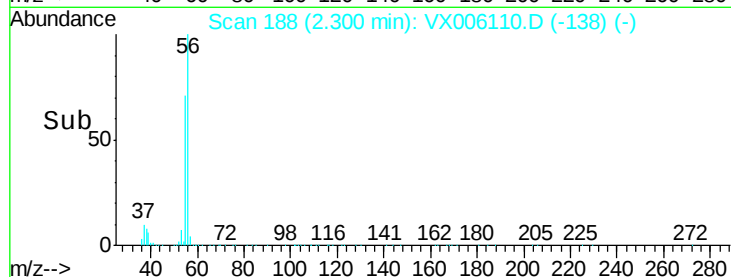
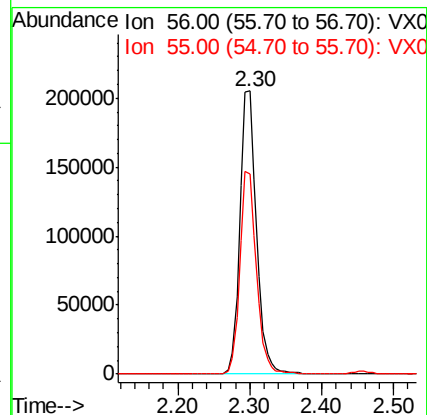
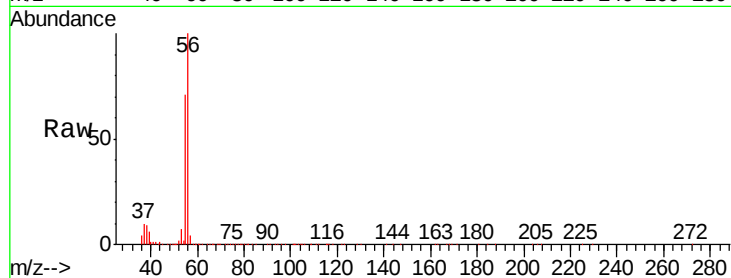
Ion Ratio Lower Upper

56 100

55 71.5 57.8 86.6

Manual Integrations
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#14

Allyl chloride

Concen: 148.88 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX006110.D

Acq: 20 Nov 2018 19:29

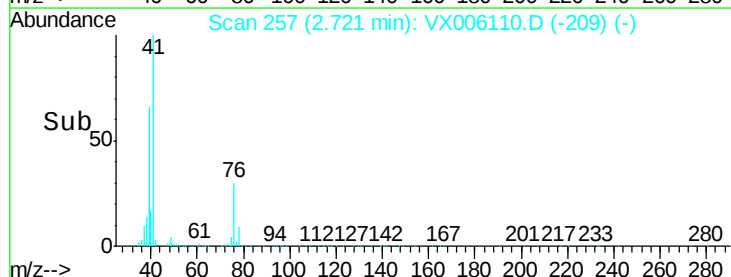
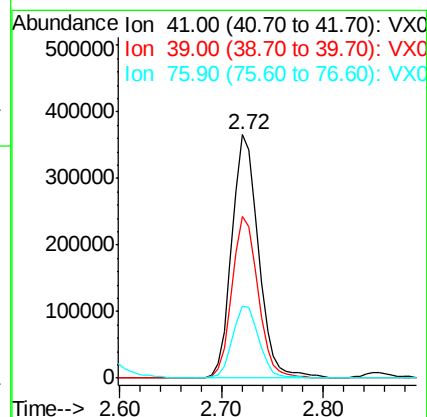
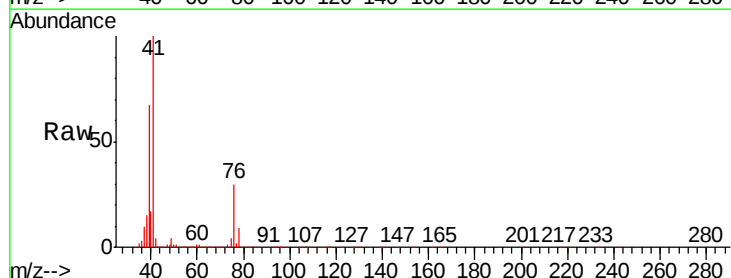
Tgt Ion: 41 Resp: 663057

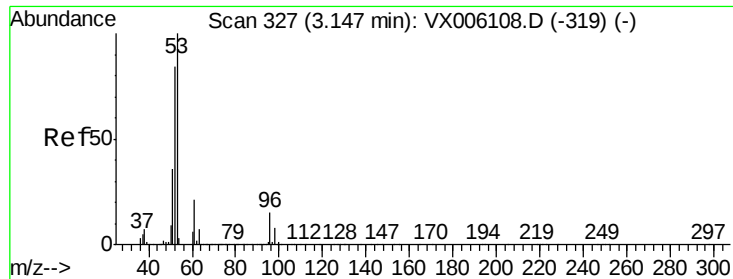
Ion Ratio Lower Upper

41 100

39 64.5 52.5 78.7

76 29.2 23.4 35.2





#15

Acrylonitrile

Concen: 747.08 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX006110.D

Acq: 20 Nov 2018 19:29

Instrument :

MSVOA_X

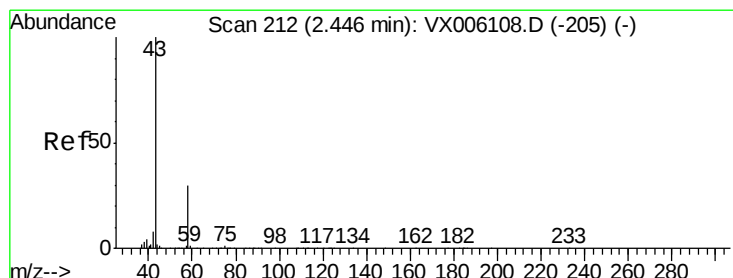
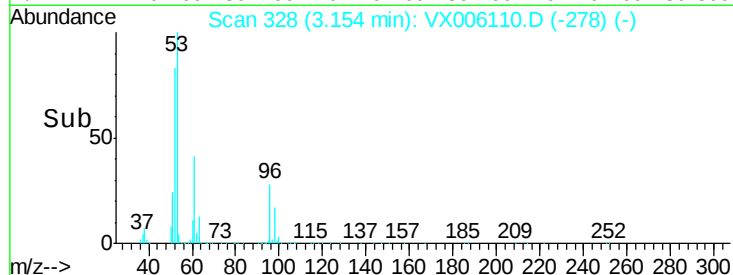
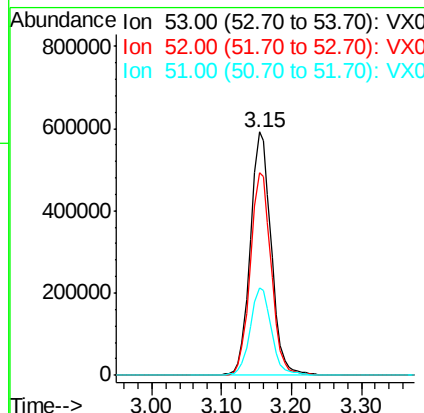
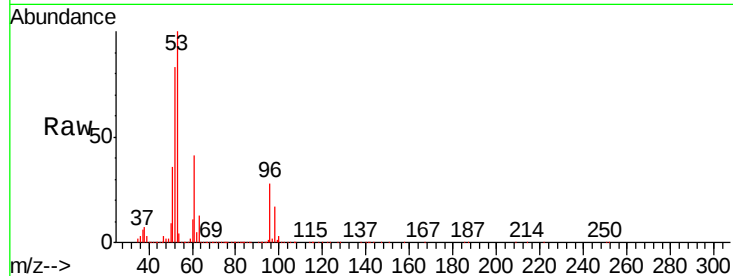
ClientSampleId :

VSTDIC150

Tgt Ion:	53	Resp:	1226223
Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.4	99.6
51	36.9	29.4	44.0

Manual Integrations
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#16

Acetone

Concen: 705.84 ug/l

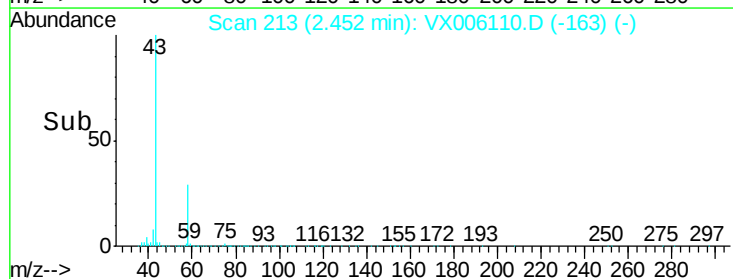
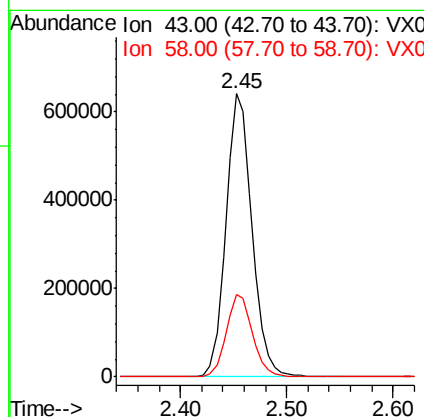
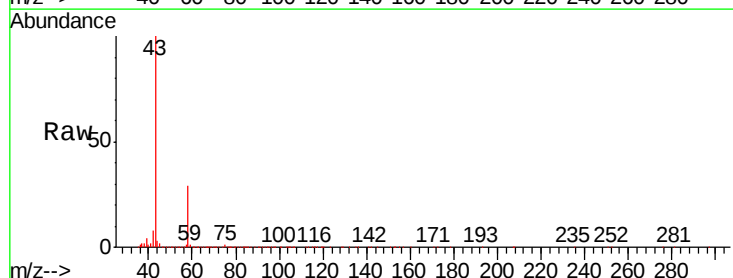
RT: 2.45 min Scan# 213

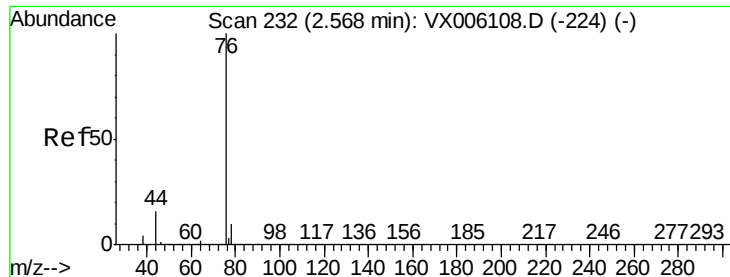
Delta R.T. 0.01 min

Lab File: VX006110.D

Acq: 20 Nov 2018 19:29

Tgt Ion:	43	Resp:	1094137
Ion	Ratio	Lower	Upper
43	100		
58	29.3	23.8	35.8





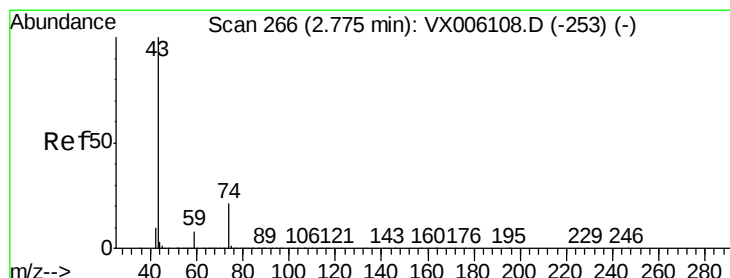
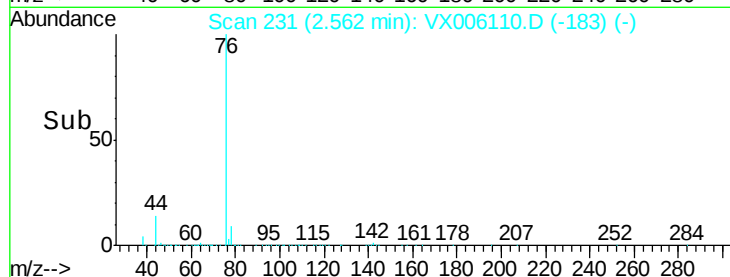
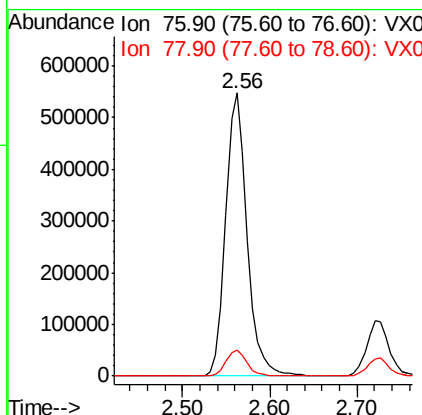
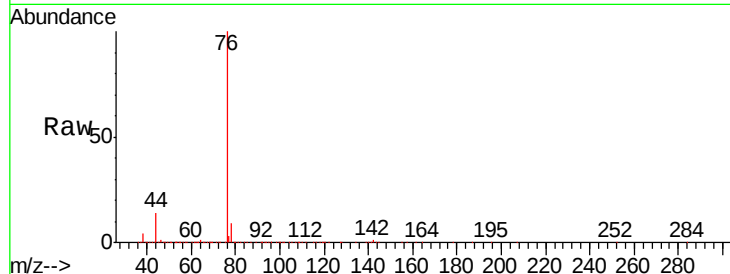
#17
Carbon Disulfide
Concen: 157.81 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX006110.D
Acq: 20 Nov 2018 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.7	11.5

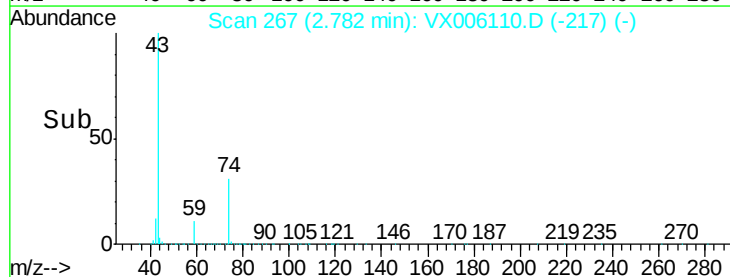
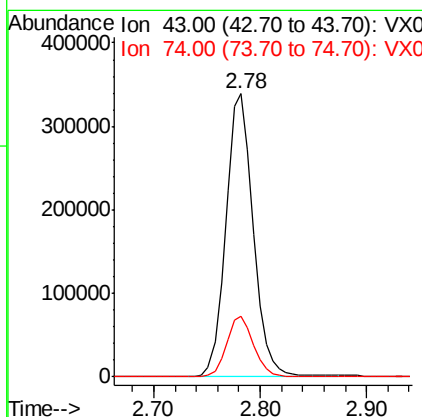
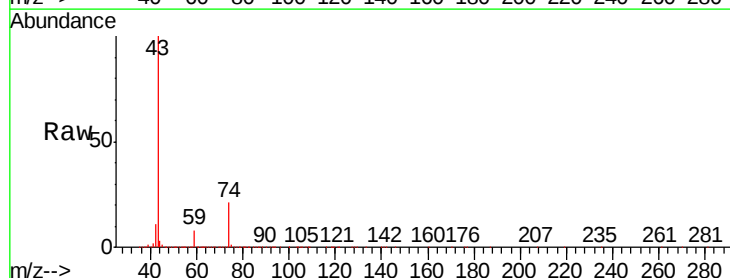
Manual Integrations
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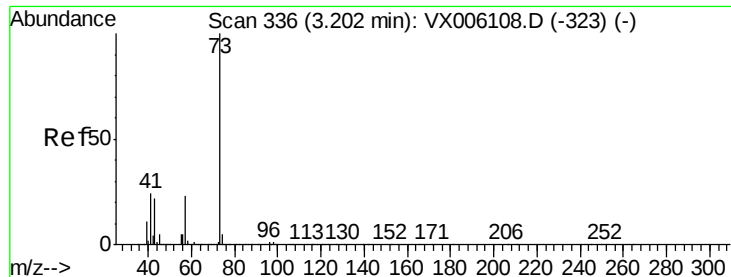
MMDadoda
11/21/2018 10:37:28 AM



#18
Methyl Acetate
Concen: 153.28 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX006110.D
Acq: 20 Nov 2018 19:29

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.1	17.3	25.9





#19

Methyl tert-butyl Ether

Concen: 148.33 ug/l

RT: 3.21 min Scan# 337

Delta R.T. 0.01 min

Lab File: VX006110.D

Acq: 20 Nov 2018 19:29

Tgt Ion: 73 Resp: 1116035

Ion Ratio Lower Upper

73 100

57 23.0 18.2 27.4

Instrument :

MSVOA_X

ClientSampleId :

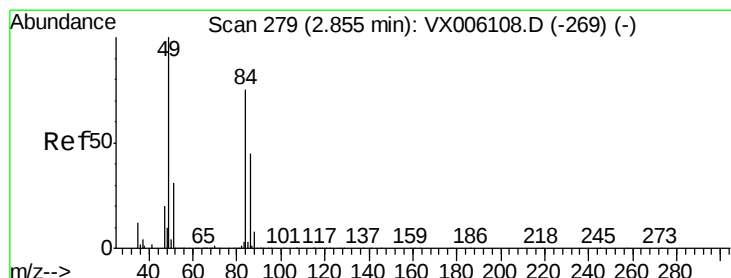
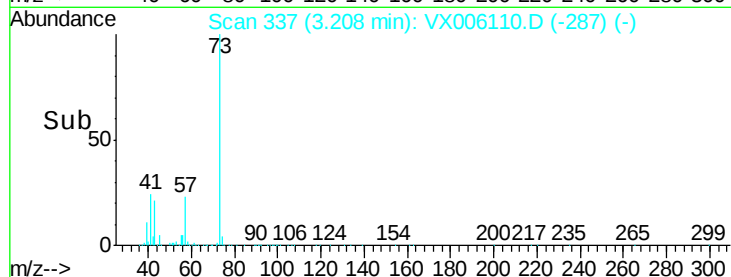
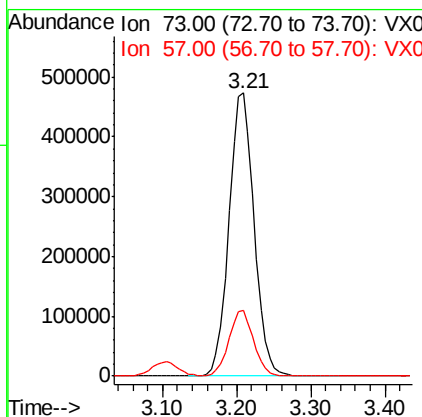
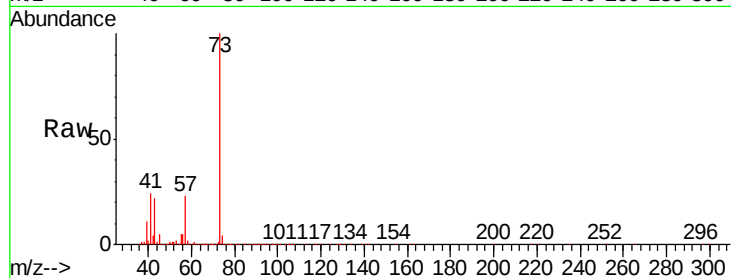
VSTDIC150

Manual Integrations

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#20

Methylene Chloride

Concen: 137.91 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX006110.D

Acq: 20 Nov 2018 19:29

Tgt Ion: 84 Resp: 352229

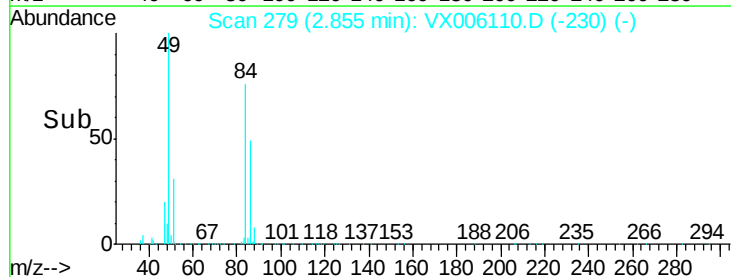
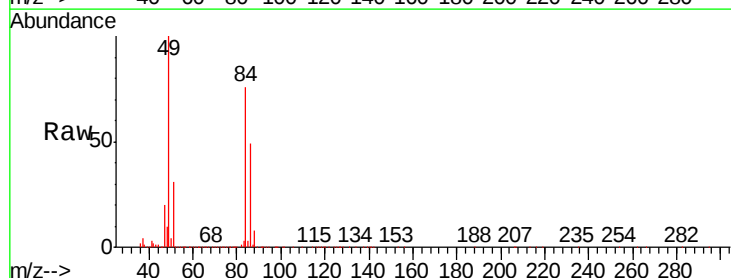
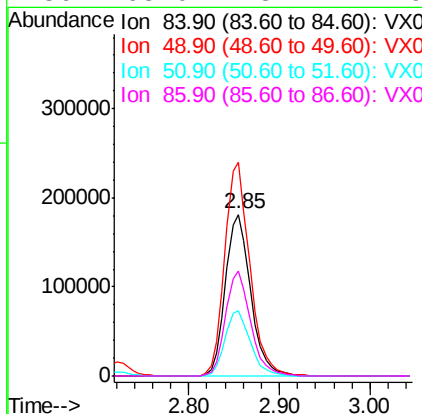
Ion Ratio Lower Upper

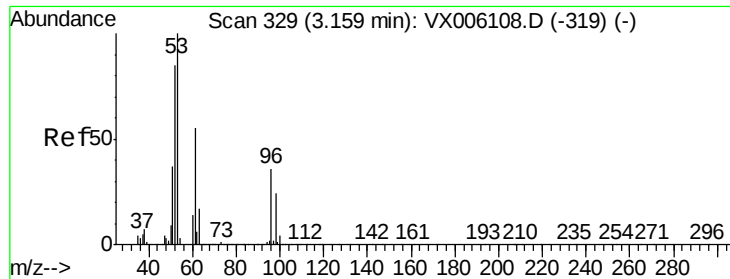
84 100

49 131.9 106.6 159.8

51 40.6 32.6 49.0

86 65.0 48.4 72.6





#21

trans-1,2-Dichloroethene

Concen: 148.59 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX006110.D

Acq: 20 Nov 2018 19:29

Instrument :

MSVOA_X

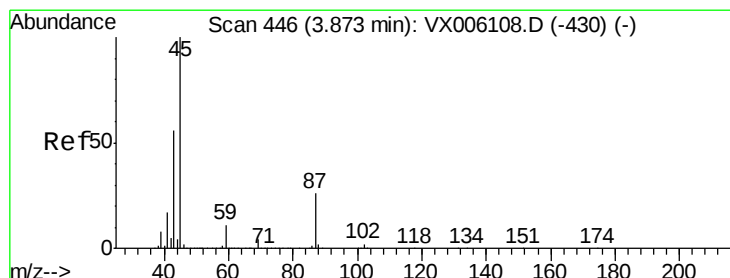
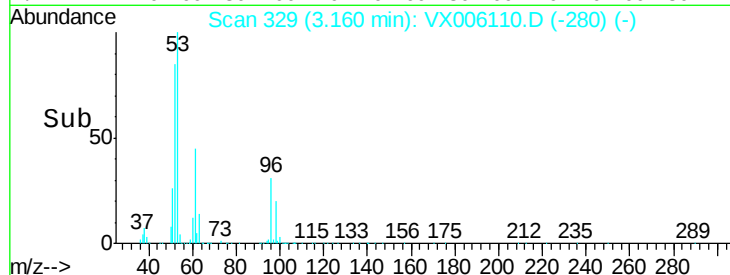
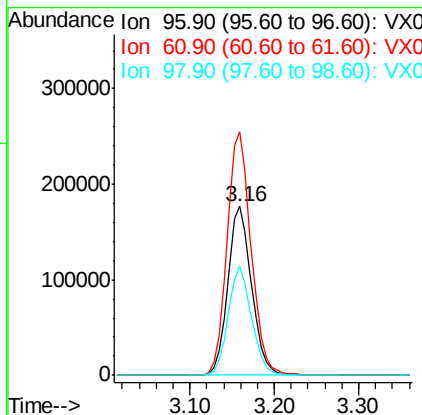
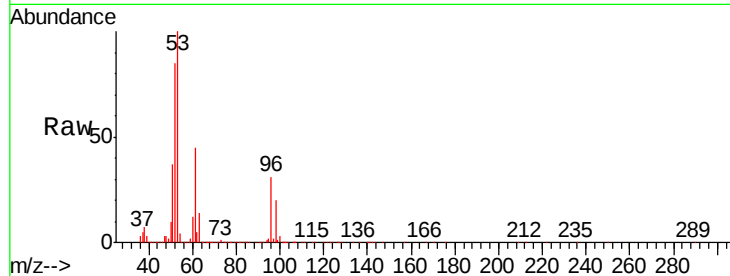
ClientSampleId :

VSTDIC150

Tgt Ion:	96	Resp:	338413
Ion	Ratio	Lower	Upper
96	100		
61	143.9	122.0	183.0
98	64.6	52.7	79.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 157.12 ug/l

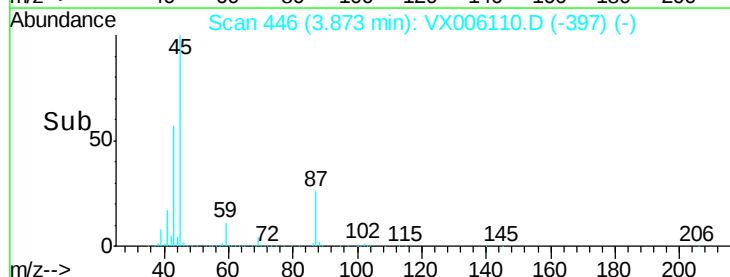
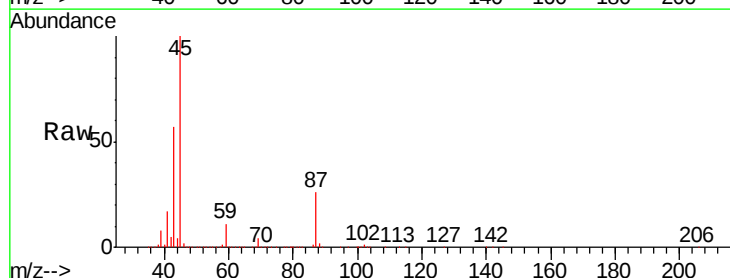
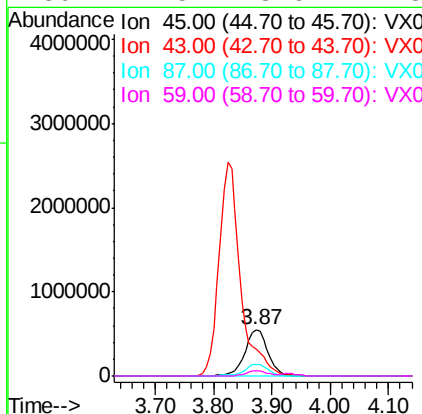
RT: 3.87 min Scan# 446

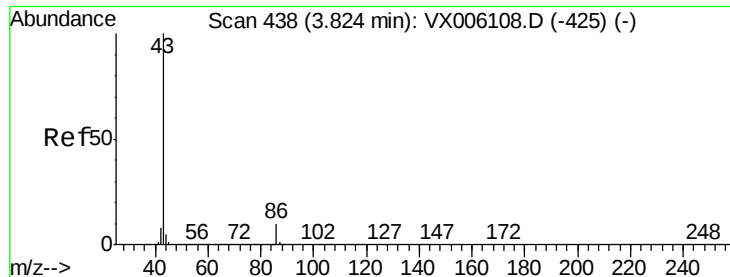
Delta R.T. 0.00 min

Lab File: VX006110.D

Acq: 20 Nov 2018 19:29

Tgt Ion:	45	Resp:	1497952
Ion	Ratio	Lower	Upper
45	100		
43	57.3	45.8	68.8
87	25.7	21.0	31.4
59	11.5	8.6	12.8





#23

Vinyl Acetate

Concen: 821.85 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX006110.D

Acq: 20 Nov 2018 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 6500442

Ion Ratio Lower Upper

43 100

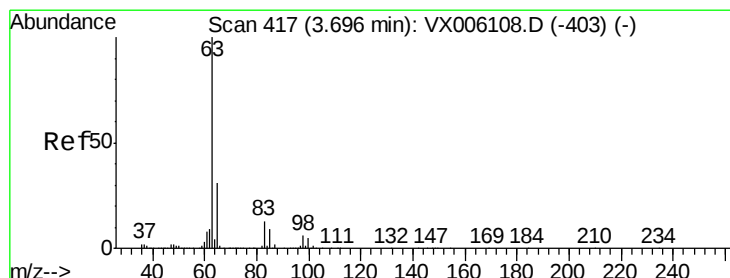
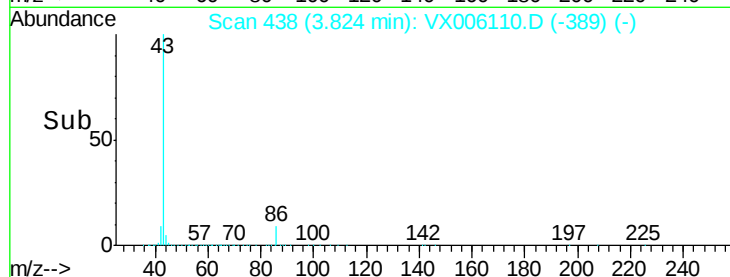
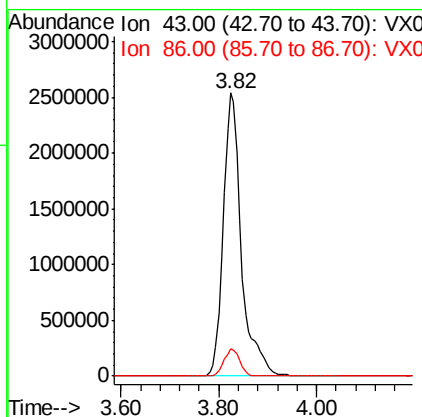
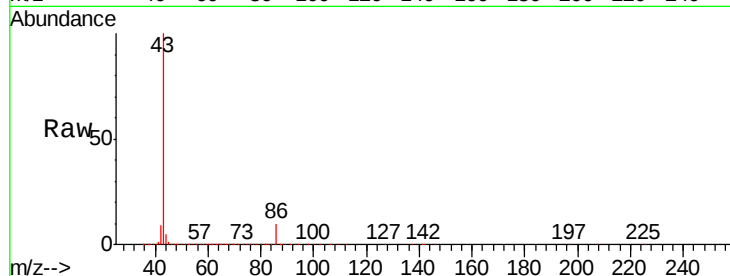
86 9.5 7.6 11.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 145.40 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX006110.D

Acq: 20 Nov 2018 19:29

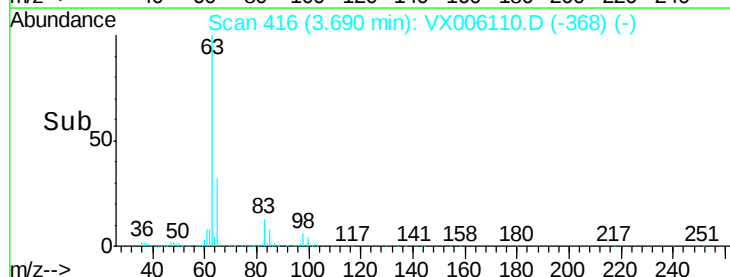
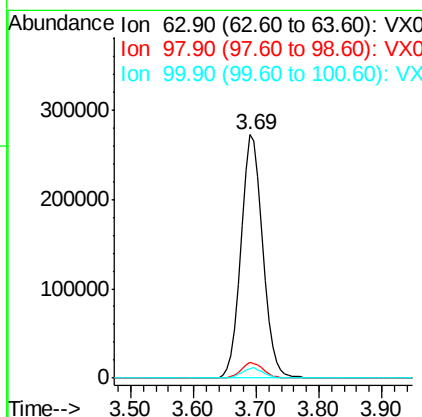
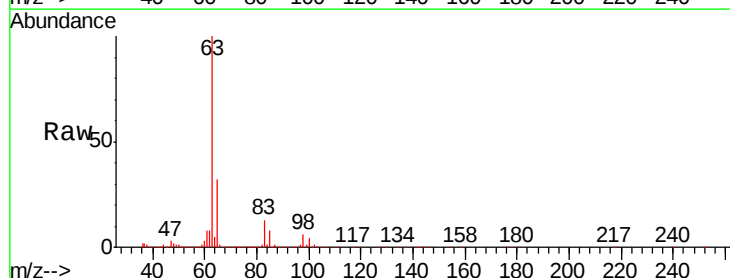
Tgt Ion: 63 Resp: 653062

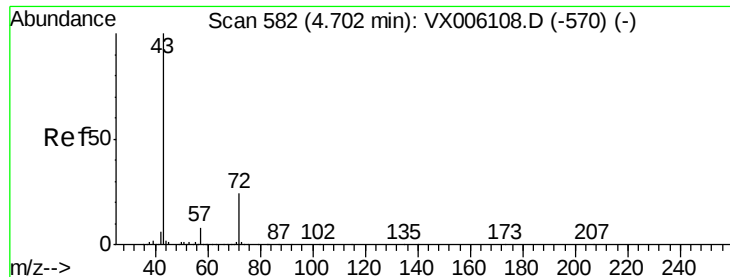
Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.8

100 3.9 2.4 7.1





#25

2-Butanone

Concen: 756.33 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX006110.D

Acq: 20 Nov 2018 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 2176145

Ion Ratio Lower Upper

43 100

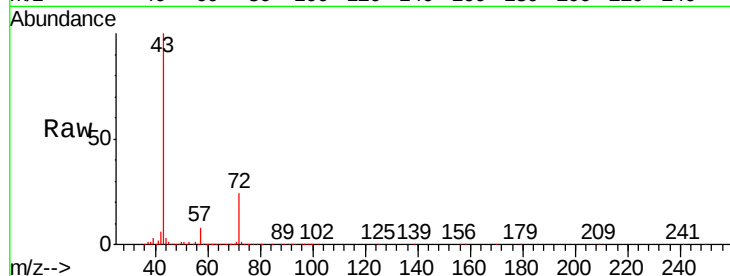
72 24.3 19.2 28.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

800000

600000

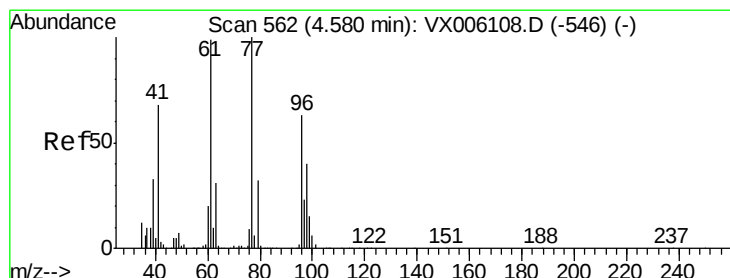
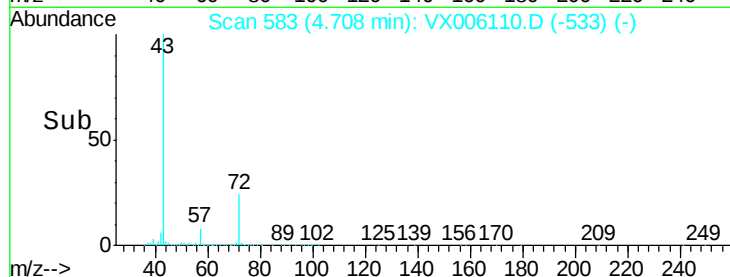
400000

200000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 149.59 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX006110.D

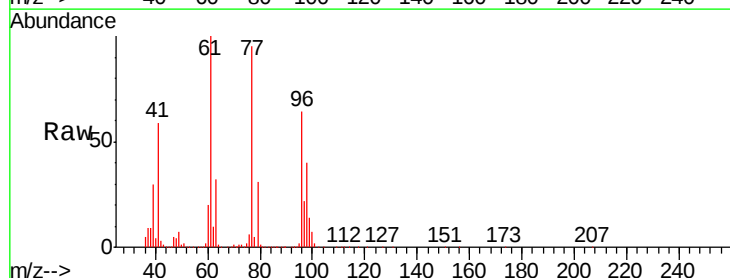
Acq: 20 Nov 2018 19:29

Tgt Ion: 77 Resp: 553761

Ion Ratio Lower Upper

77 100

97 23.6 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

200000

150000

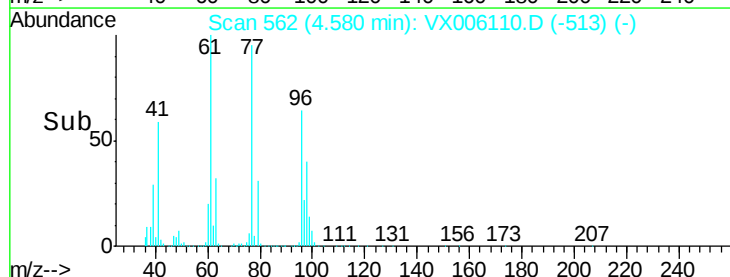
100000

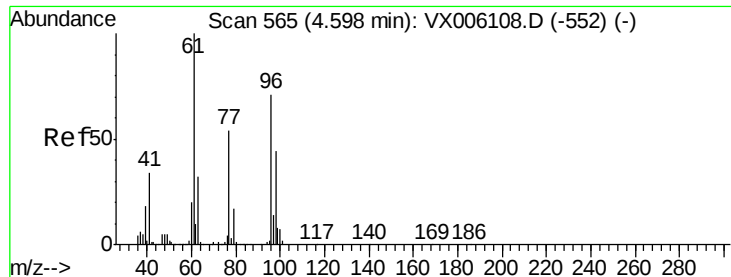
50000

0

4.40 4.50 4.60 4.70

Time-->





#27

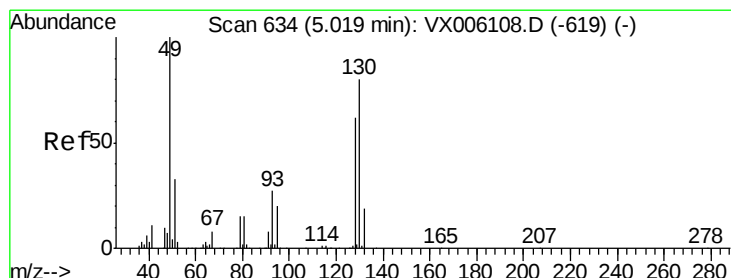
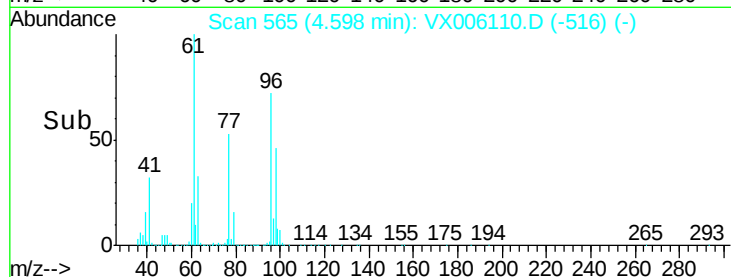
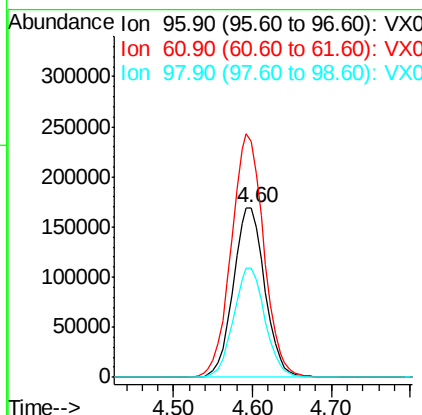
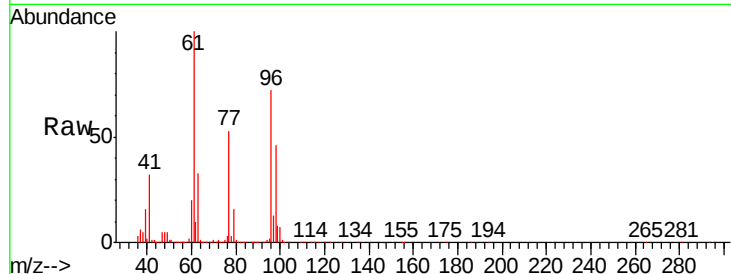
cis-1,2-Dichloroethene
Concen: 147.60 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX006110.D
Acq: 20 Nov 2018 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	469848		
61	148.0	0.0	291.6	
98	64.7	0.0	128.2	

Manual Integrations
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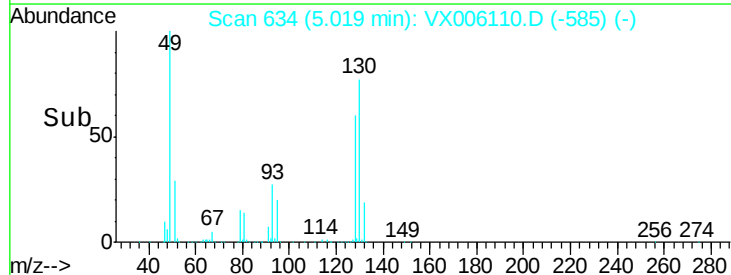
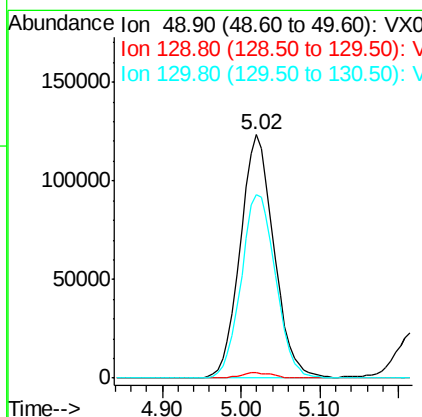
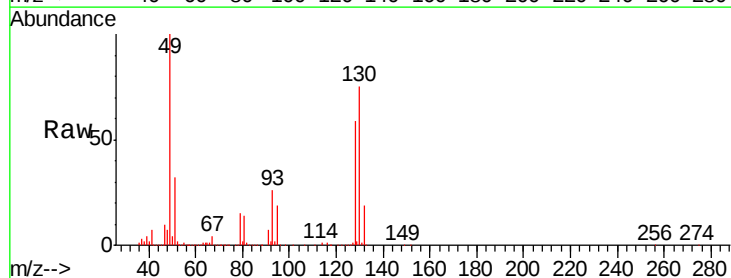
MMDadoda
11/21/2018 10:37:28 AM

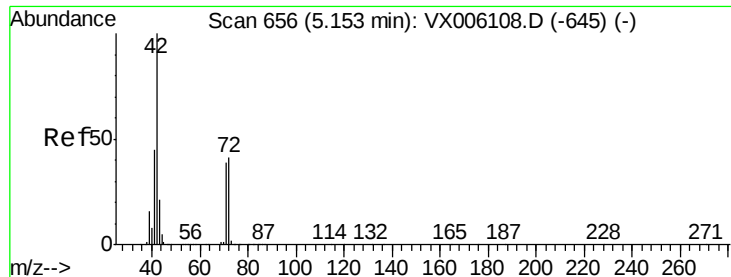


#28

Bromochloromethane
Concen: 139.87 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX006110.D
Acq: 20 Nov 2018 19:29

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	366144		
129	2.1	0.0	4.4	
130	77.3	61.6	92.4	





#29

Tetrahydrofuran

Concen: 784.42 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX006110.D

Acq: 20 Nov 2018 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 42 Resp: 1407929

Ion Ratio Lower Upper

42 100

72 41.0 33.0 49.6

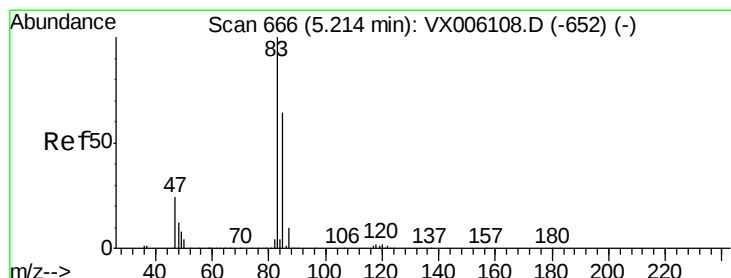
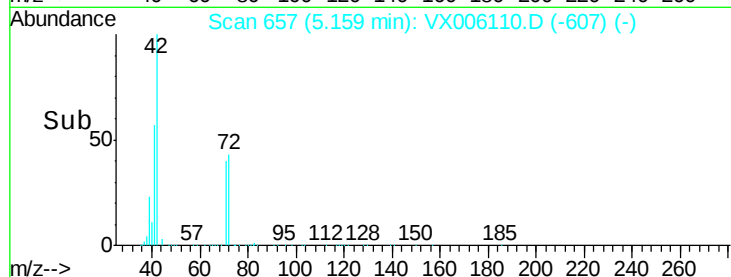
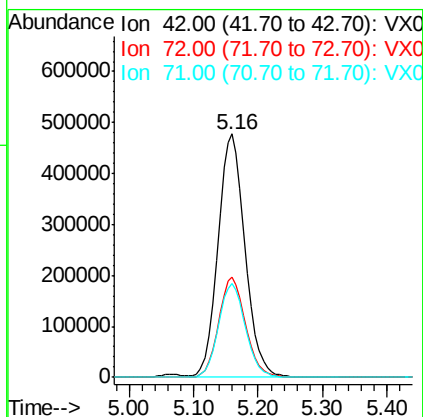
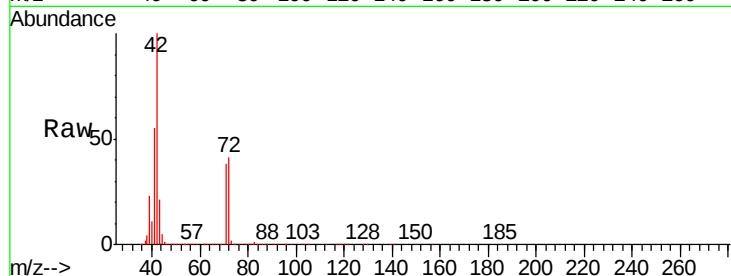
71 38.4 31.0 46.4

Manual Integrations

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#30

Chloroform

Concen: 143.83 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX006110.D

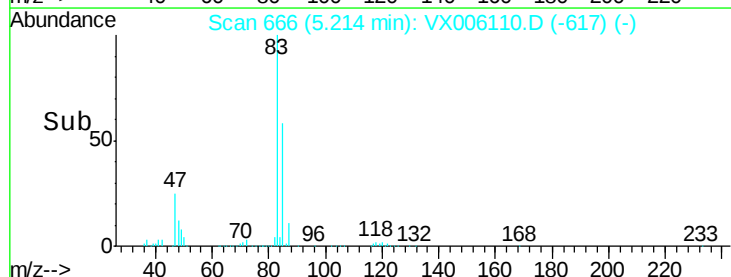
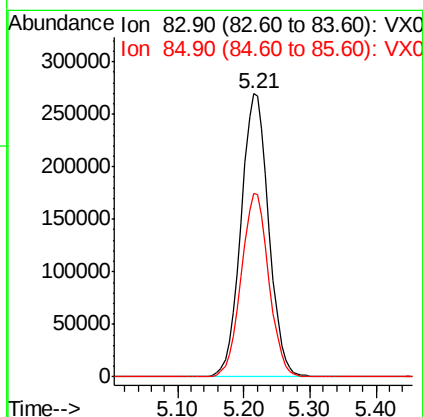
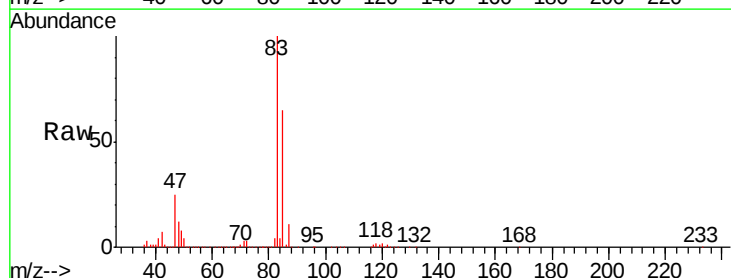
Acq: 20 Nov 2018 19:29

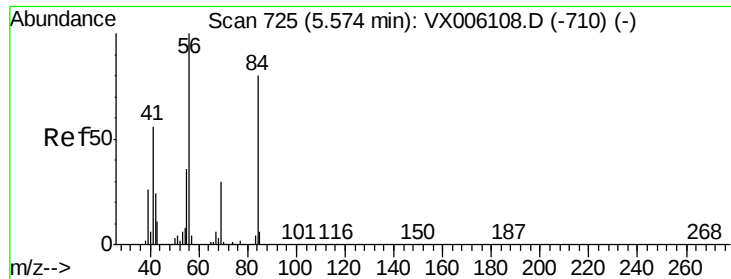
Tgt Ion: 83 Resp: 782876

Ion Ratio Lower Upper

83 100

85 64.7 51.0 76.4





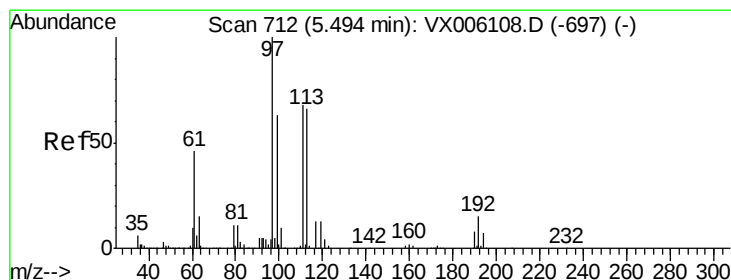
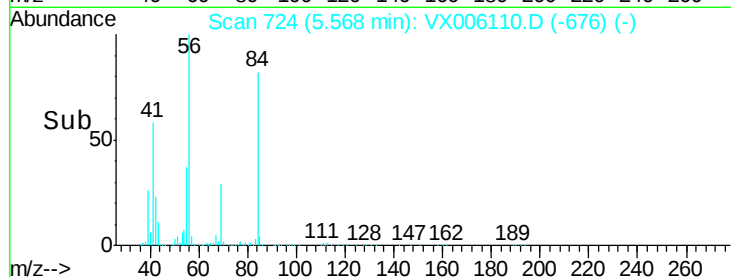
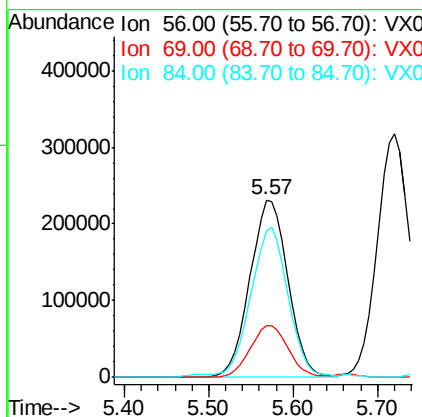
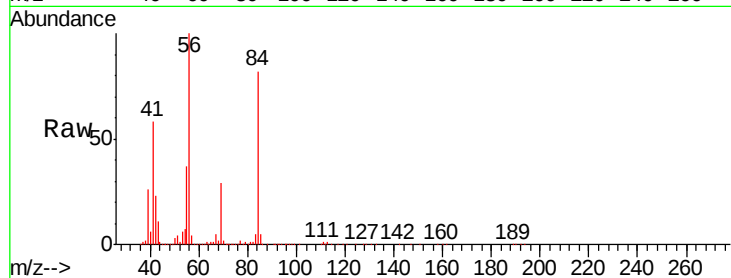
#31
Cyclohexane
Concen: 152.01 ug/l
RT: 5.57 min Scan# 724
Delta R.T. -0.01 min
Lab File: VX006110.D
Acq: 20 Nov 2018 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.9	35.9
84	81.3	63.6	95.4

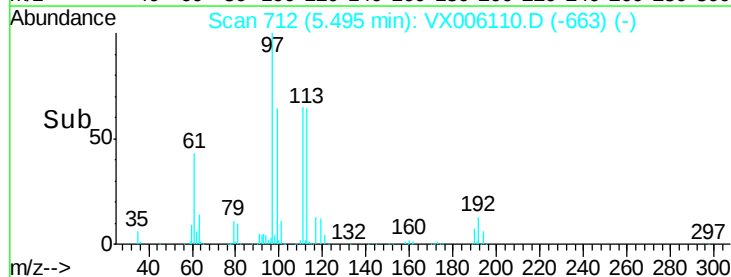
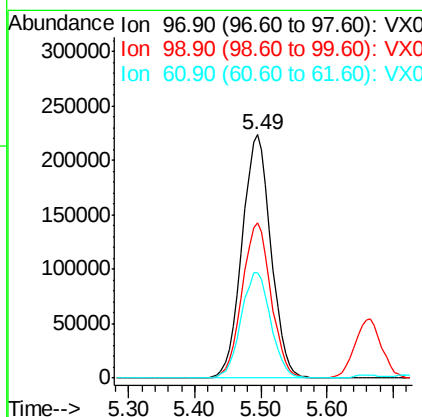
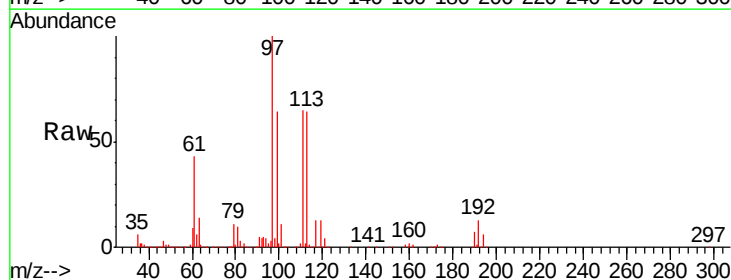
Manual Integrations
APPROVED

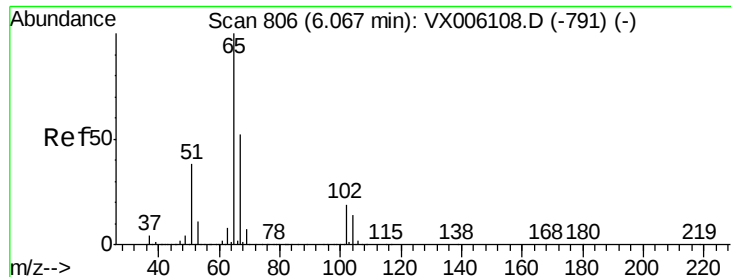
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#32
1,1,1-Trichloroethane
Concen: 154.36 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX006110.D
Acq: 20 Nov 2018 19:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.6	77.4
61	44.7	36.6	55.0





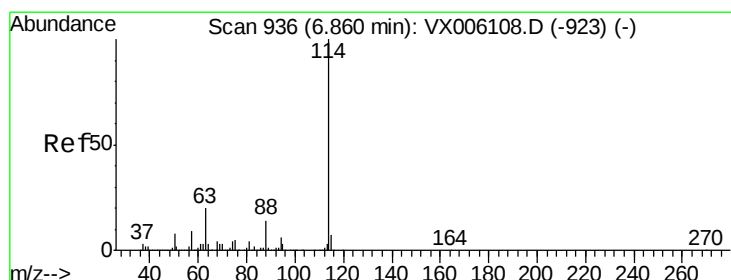
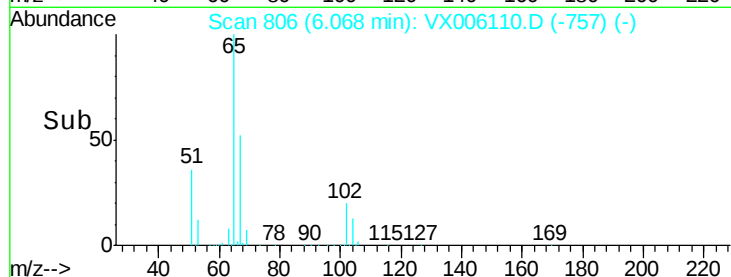
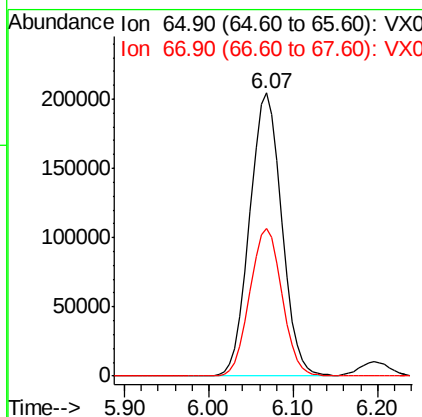
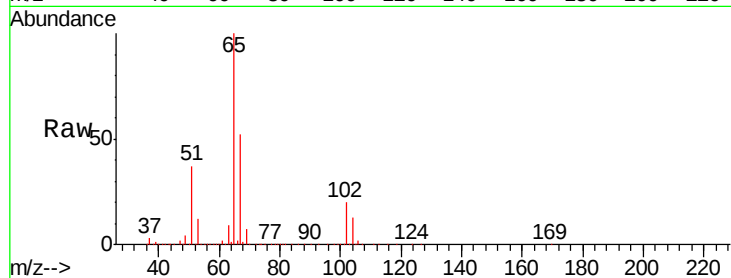
#33
 1,2-Dichloroethane-d4
 Concen: 151.99 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX006110.D
 Acq: 20 Nov 2018 19:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	530935		
67	52.4	0.0	105.8	

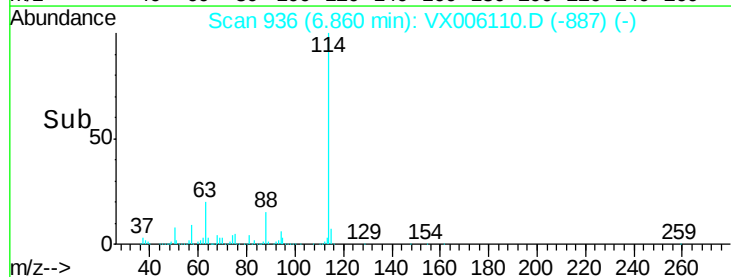
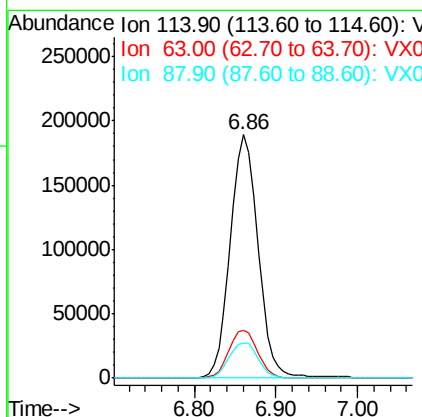
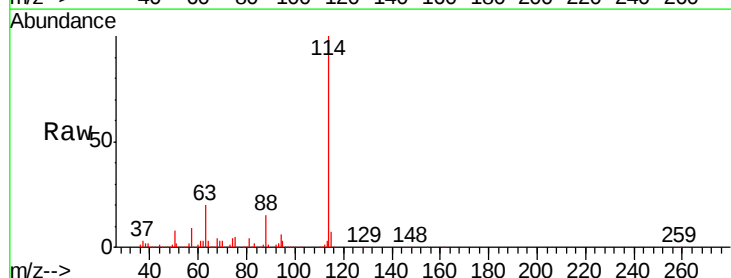
Manual Integrations
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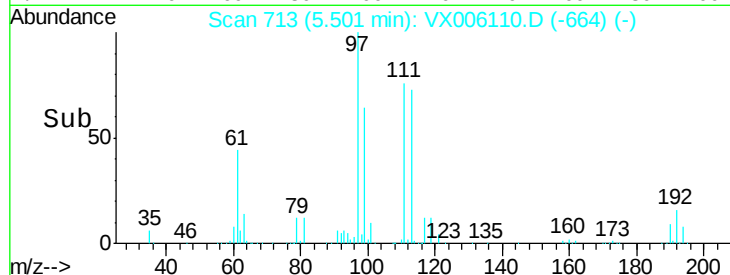
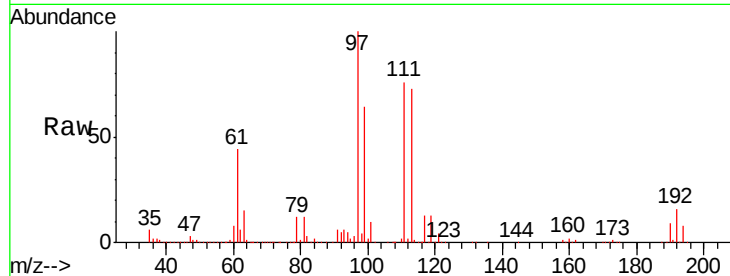
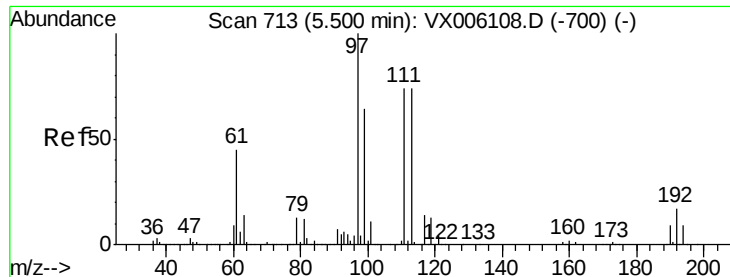
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 11/21/2018 10:37:28 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006110.D
 Acq: 20 Nov 2018 19:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	446724		
63	19.6	0.0	39.2	
88	14.6	0.0	28.6	





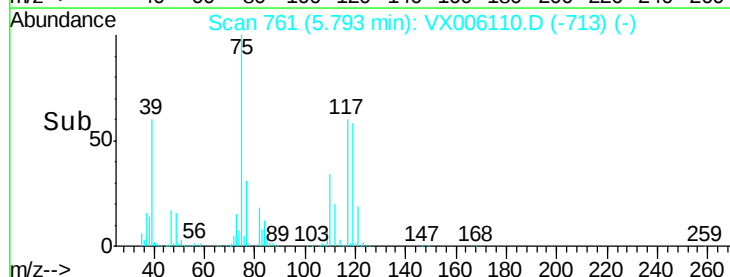
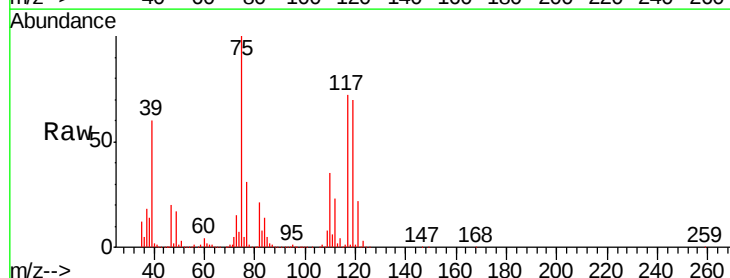
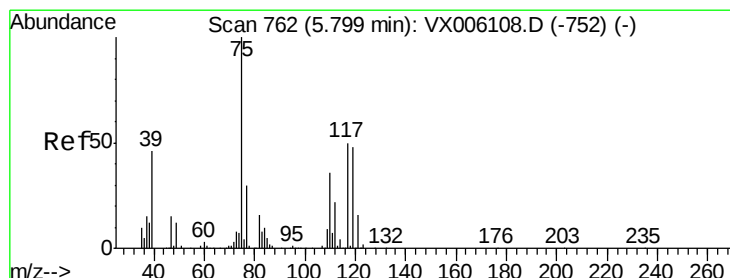
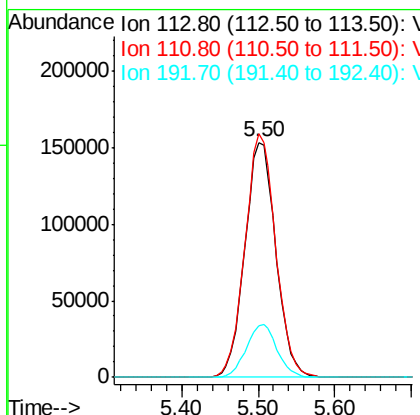
#35
Dibromofluoromethane
Concen: 151.17 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX006110.D
Acq: 20 Nov 2018 19:29

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	433488		
111	102.6	81.5	122.3	
192	22.5	18.6	28.0	

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

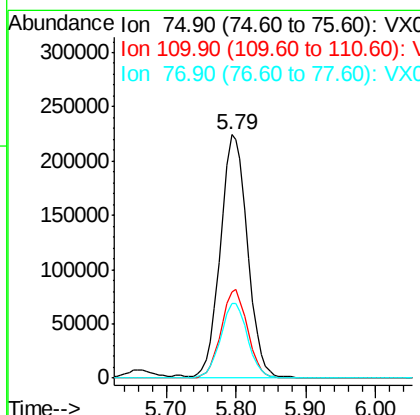
Manual Integrations
APPROVED

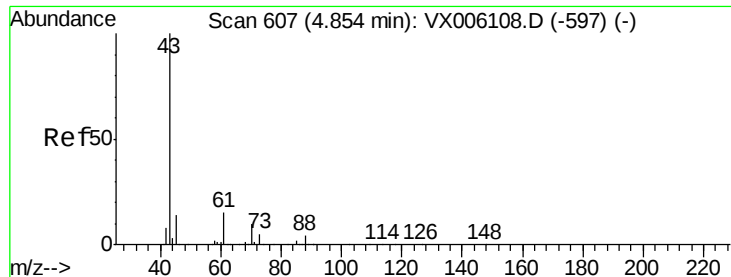
MMDadoda
11/21/2018 10:37:28 AM



#36
1,1-Dichloropropene
Concen: 148.11 ug/l
RT: 5.79 min Scan# 761
Delta R.T. -0.01 min
Lab File: VX006110.D
Acq: 20 Nov 2018 19:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	601939		
110	35.7	17.8	53.3	
77	31.0	24.5	36.7	





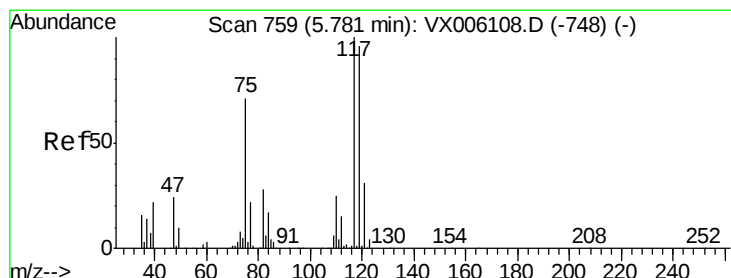
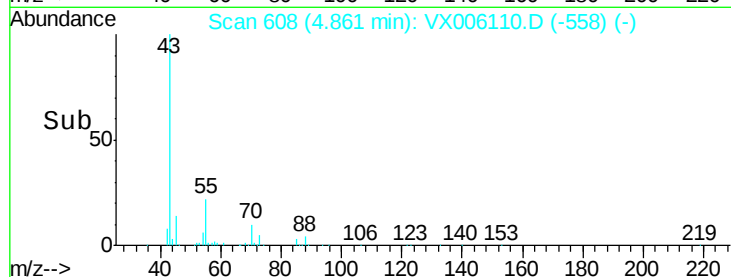
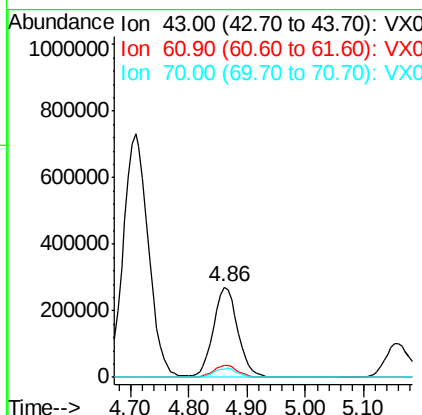
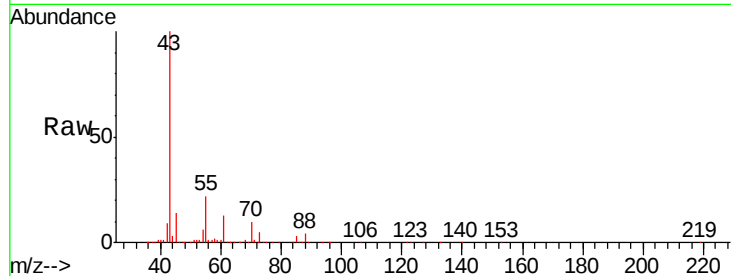
#37
Ethyl Acetate
Concen: 150.21 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX006110.D
Acq: 20 Nov 2018 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.5	15.7
70	9.6	7.9	11.9

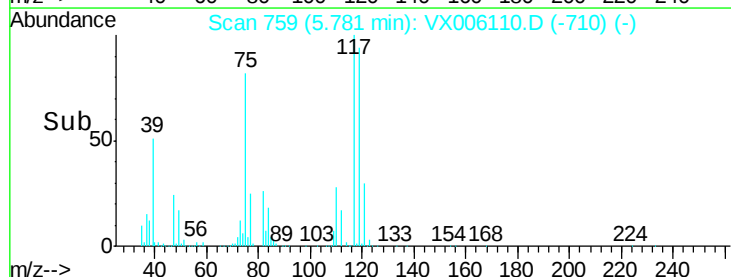
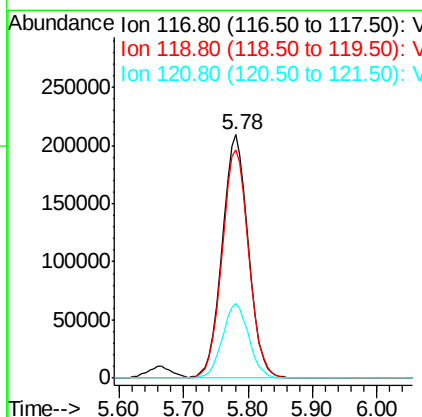
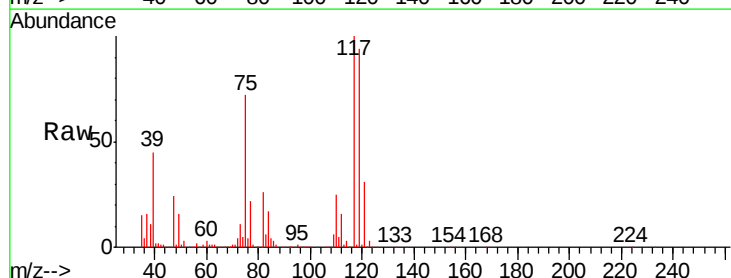
Manual Integrations
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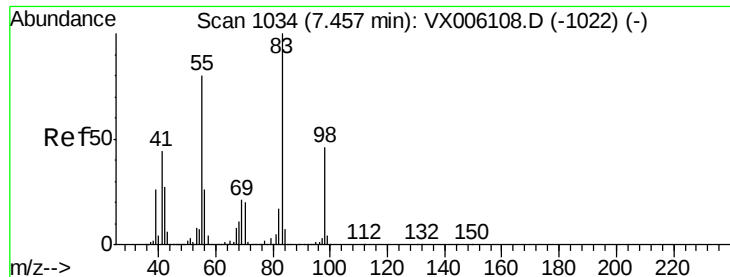
MMDadoda
11/21/2018 10:37:28 AM



#38
Carbon Tetrachloride
Concen: 156.41 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX006110.D
Acq: 20 Nov 2018 19:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	76.3	114.5
121	30.6	24.7	37.1





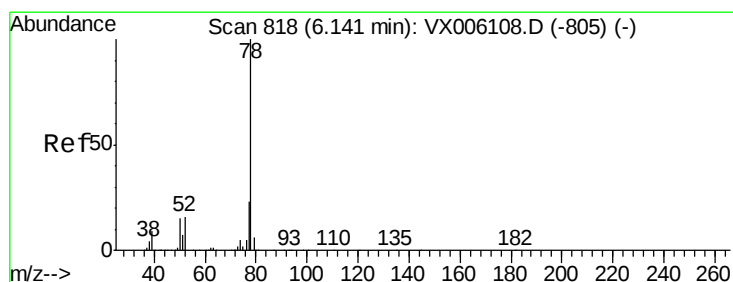
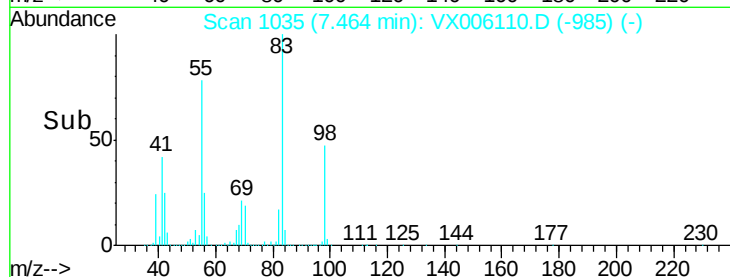
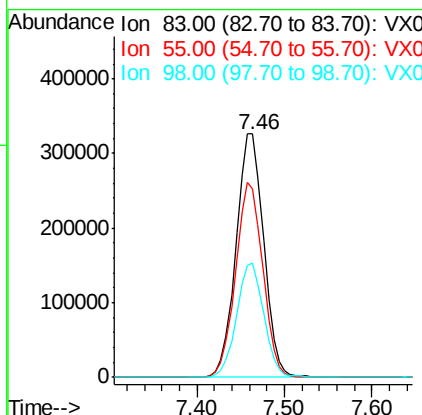
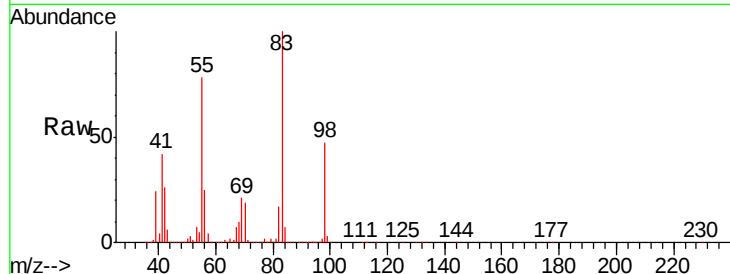
#39
Methylcyclohexane
Concen: 155.15 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX006110.D
Acq: 20 Nov 2018 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
83	100		
55	77.6	63.9	95.9
98	46.7	36.8	55.2

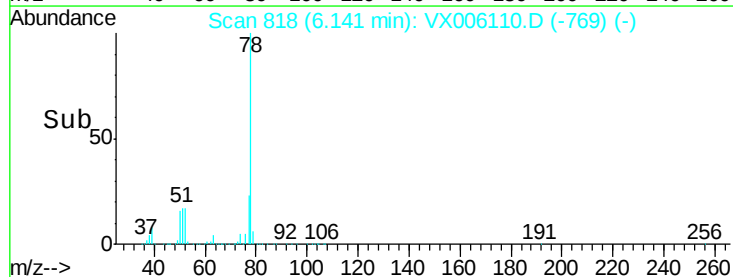
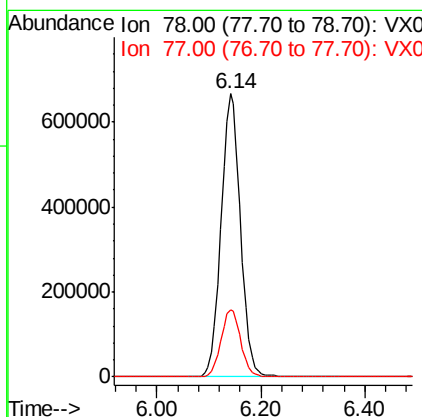
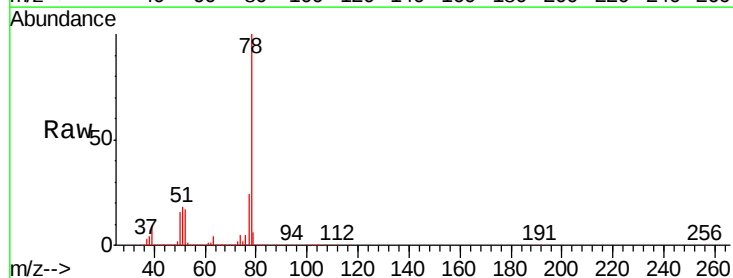
Manual Integrations
APPROVED

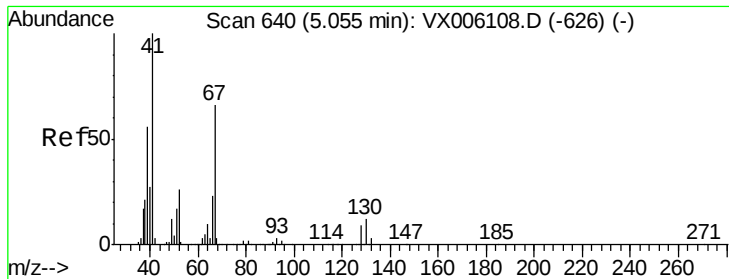
MMDadoda
11/21/2018 10:37:28 AM



#40
Benzene
Concen: 145.98 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX006110.D
Acq: 20 Nov 2018 19:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2





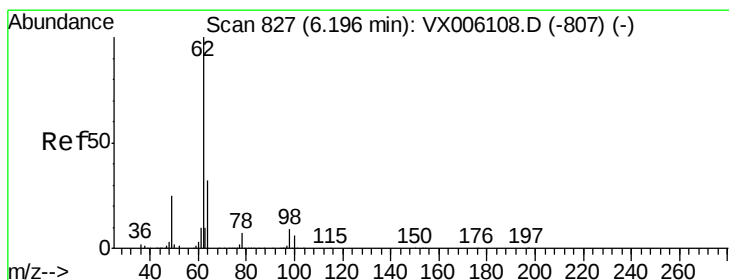
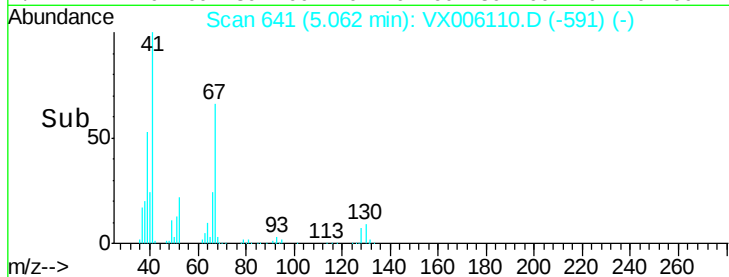
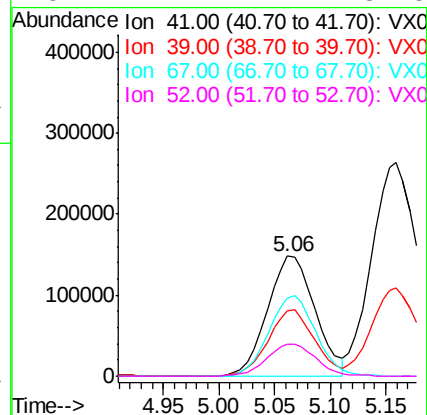
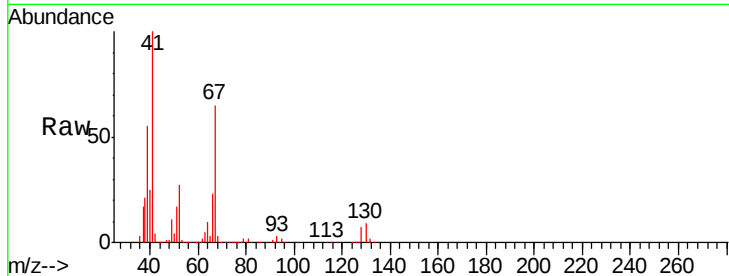
#41
Methacrylonitrile
Concen: 152.96 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX006110.D
Acq: 20 Nov 2018 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.2	44.1	66.1	
67	66.8	54.1	81.1	
52	27.7	21.7	32.5	

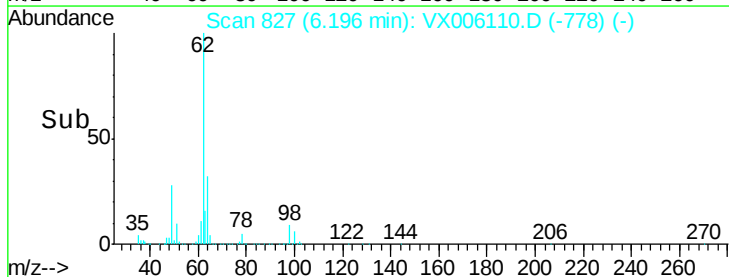
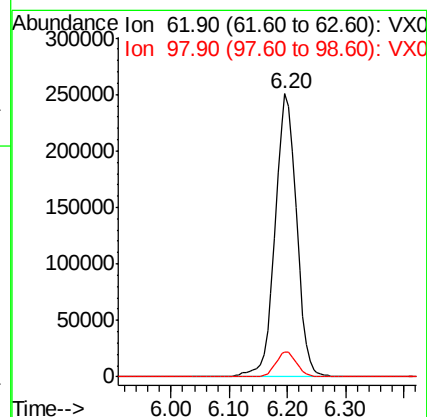
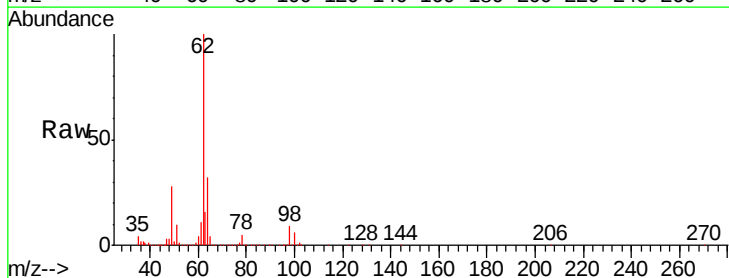
Manual Integrations
APPROVED

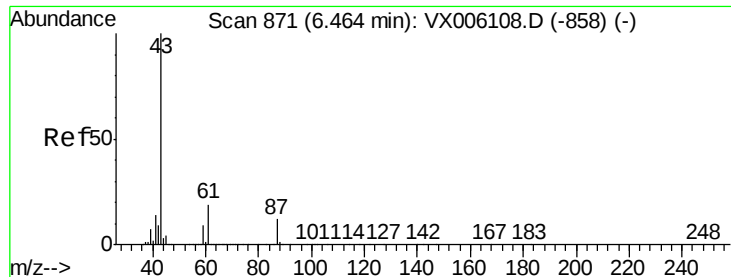
MMDadoda
11/21/2018 10:37:28 AM



#42
1,2-Dichloroethane
Concen: 143.10 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX006110.D
Acq: 20 Nov 2018 19:29

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	0.0	17.8	





#43

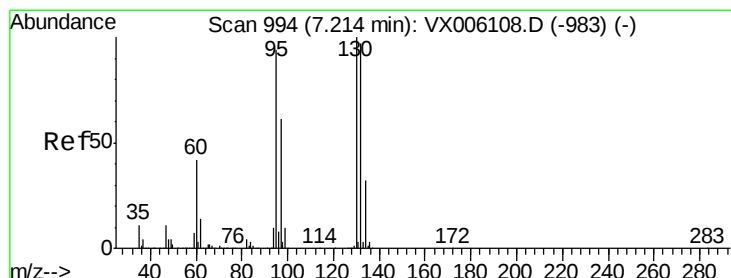
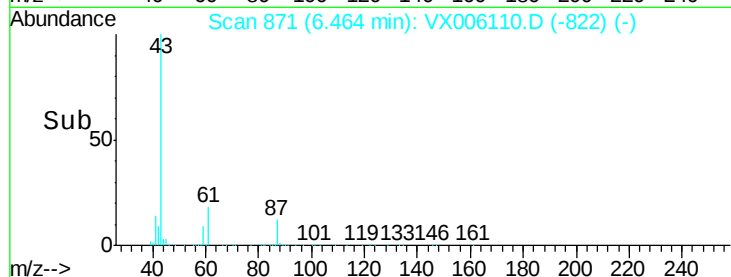
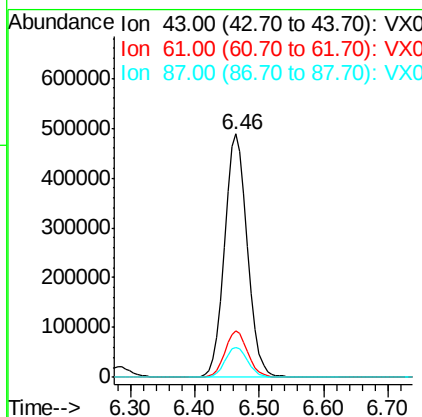
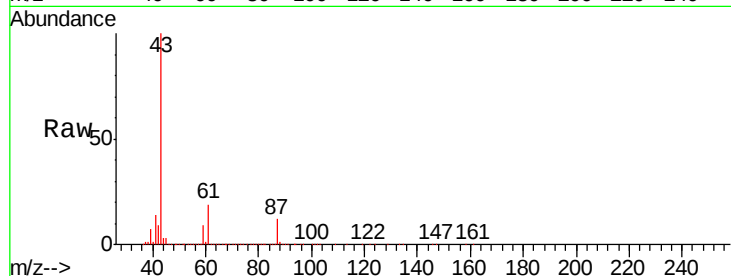
Isopropyl Acetate
 Concen: 161.04 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.00 min
 Lab File: VX006110.D
 Acq: 20 Nov 2018 19:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.2	22.8
87	12.4	9.6	14.4

Manual Integrations
 APPROVED

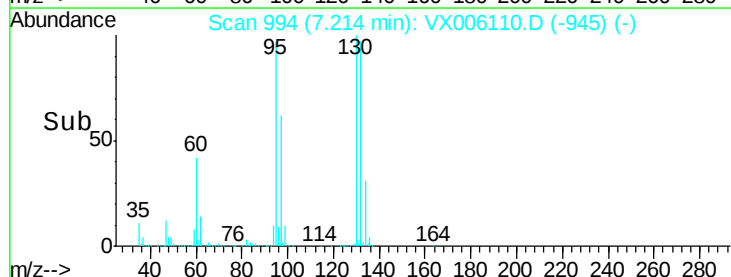
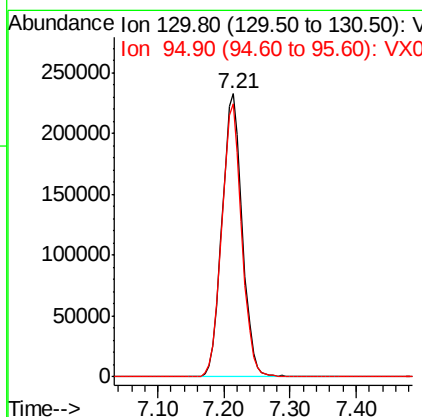
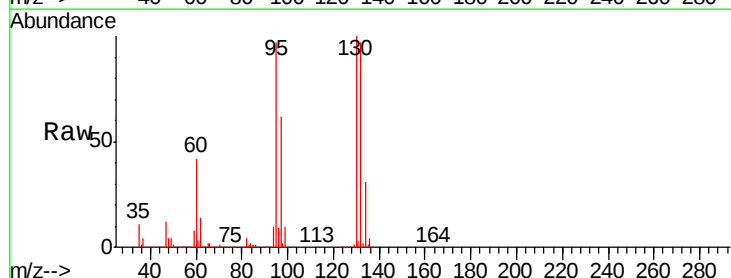
MMDadoda
 11/21/2018 10:37:28 AM

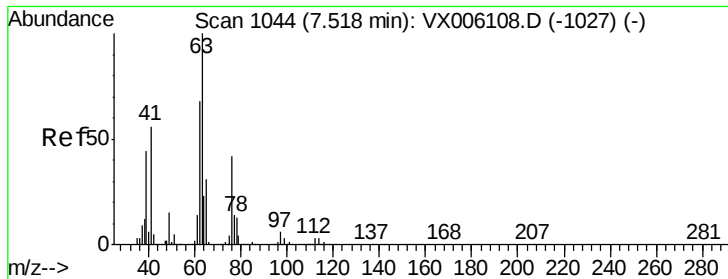


#44

Trichloroethene
 Concen: 147.85 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX006110.D
 Acq: 20 Nov 2018 19:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	188.8





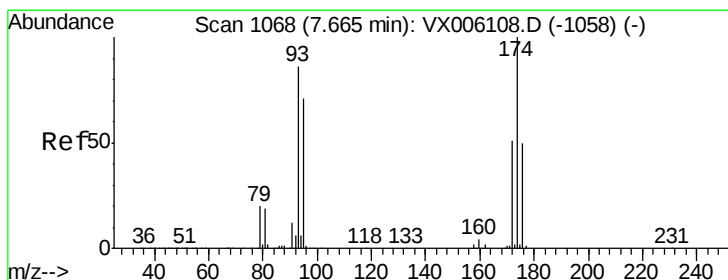
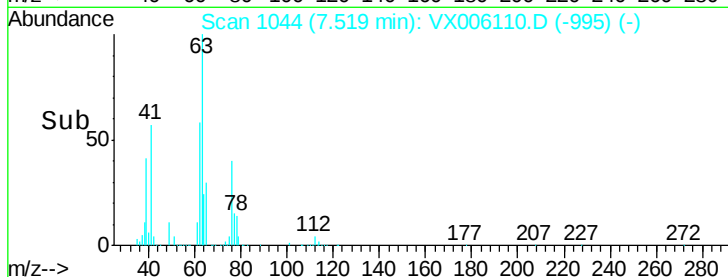
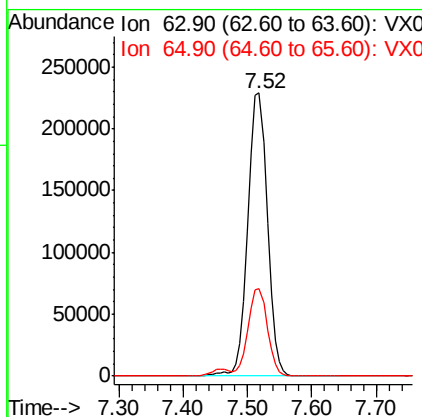
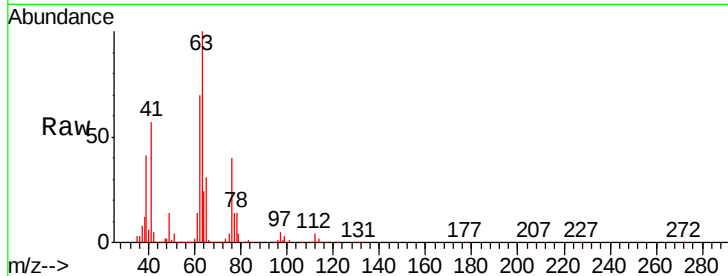
#45
1,2-Dichloropropane
Concen: 149.85 ug/l
RT: 7.52 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VX006110.D
Acq: 20 Nov 2018 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.8	37.2

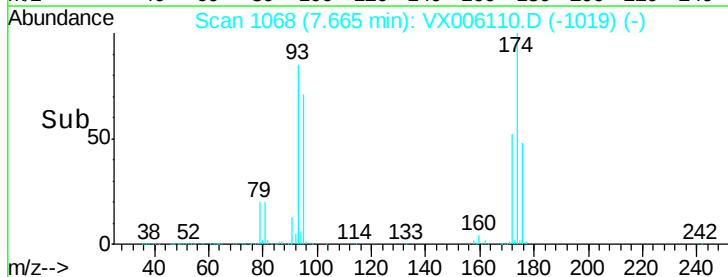
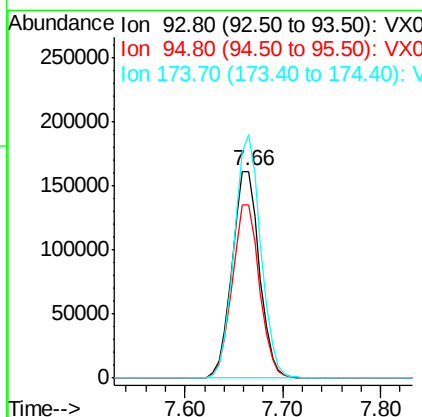
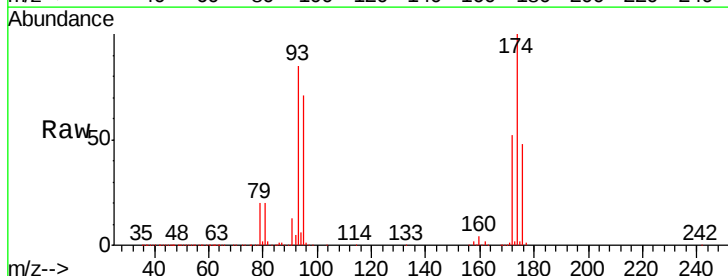
Manual Integrations
APPROVED

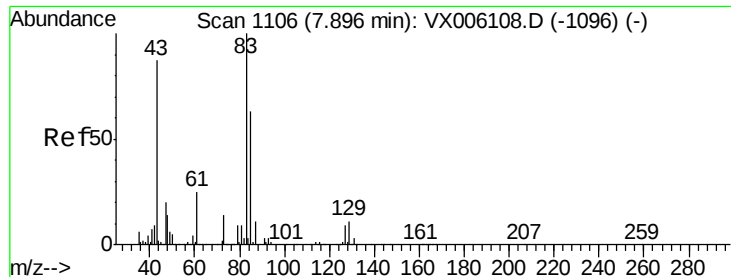
MMDadoda
11/21/2018 10:37:28 AM



#46
Dibromomethane
Concen: 144.08 ug/l
RT: 7.66 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VX006110.D
Acq: 20 Nov 2018 19:29

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.2	66.3	99.5
174	115.1	91.0	136.6





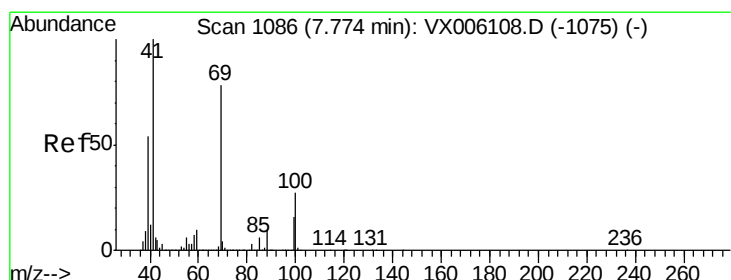
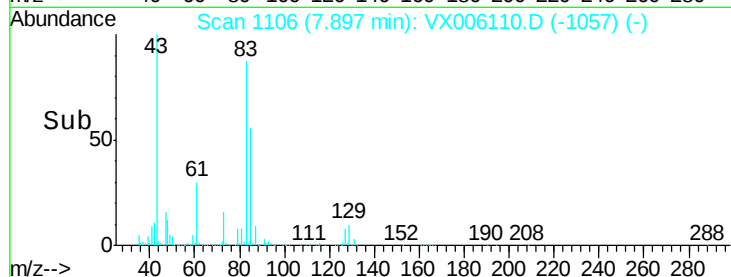
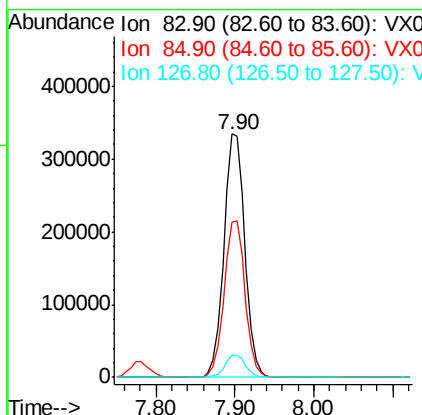
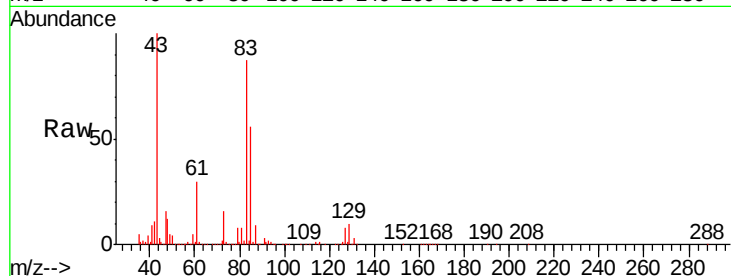
#47
Bromodichloromethane
Concen: 152.96 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX006110.D
Acq: 20 Nov 2018 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.4	75.6
127	8.9	7.0	10.4

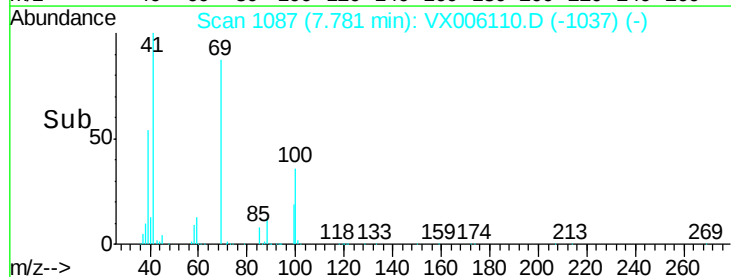
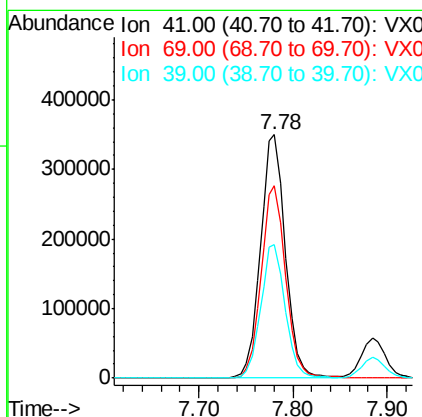
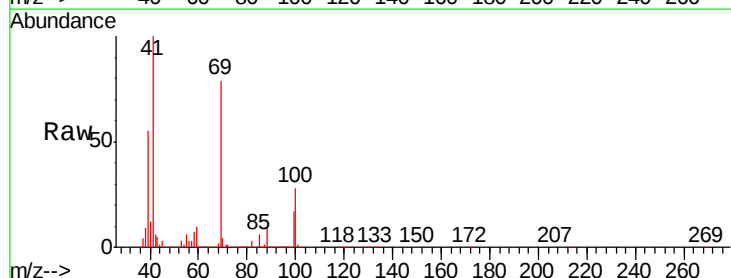
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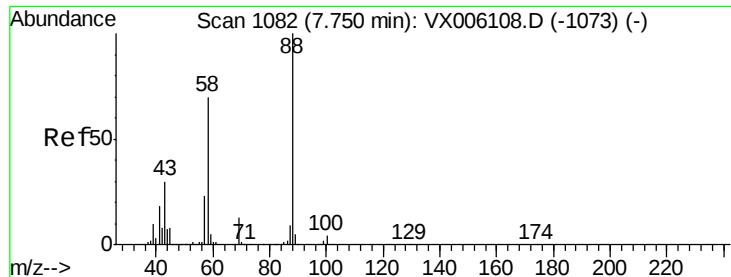
MMDadoda
11/21/2018 10:37:28 AM



#48
Methyl methacrylate
Concen: 169.58 ug/l
RT: 7.78 min Scan# 1087
Delta R.T. 0.01 min
Lab File: VX006110.D
Acq: 20 Nov 2018 19:29

Tgt Ion	Ratio	Lower	Upper
41	100		
69	78.4	62.8	94.2
39	54.0	43.8	65.6





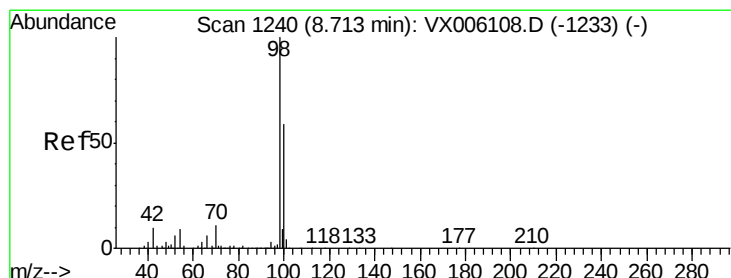
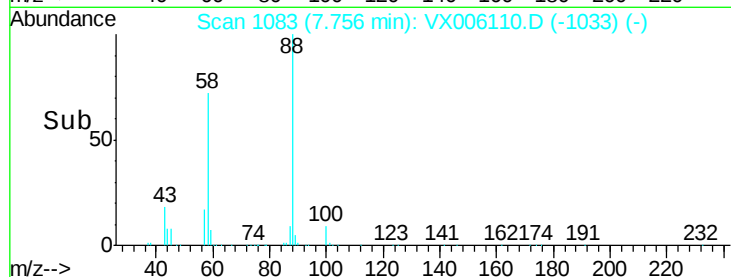
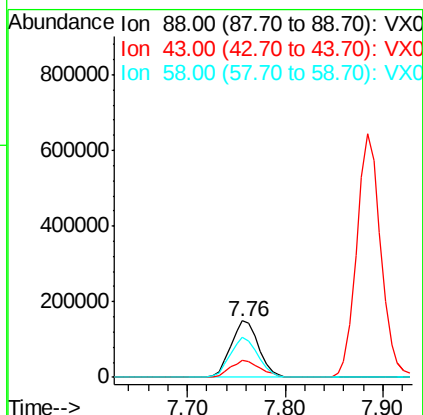
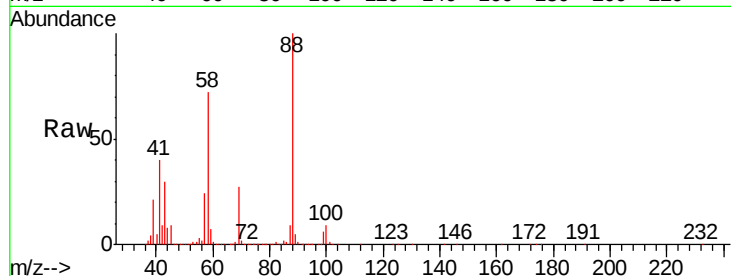
#49
1,4-Dioxane
Concen: 3232.54 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.01 min
Lab File: VX006110.D
Acq: 20 Nov 2018 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.7	26.7	40.1
58	71.2	58.5	87.7

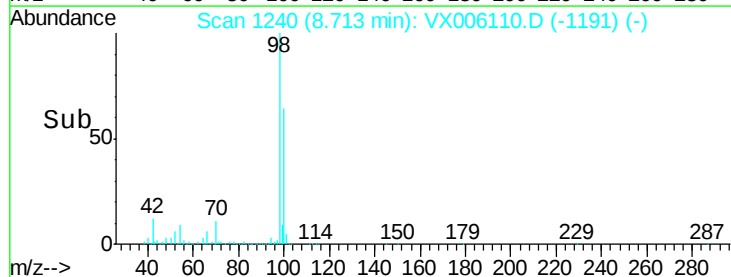
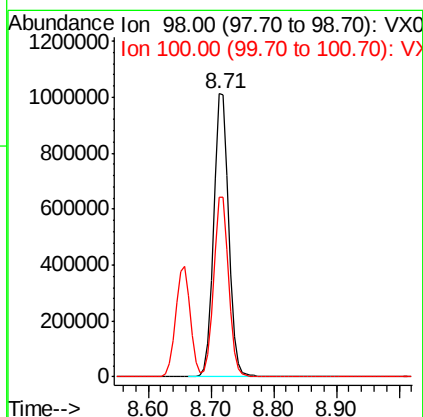
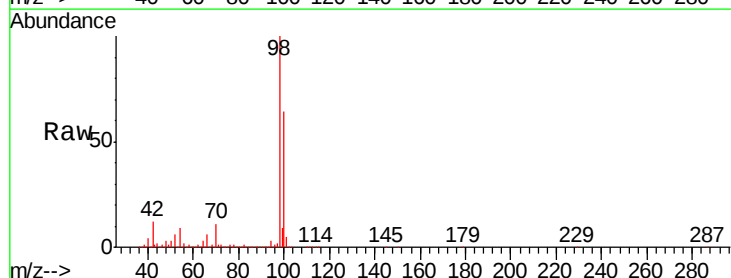
Manual Integrations
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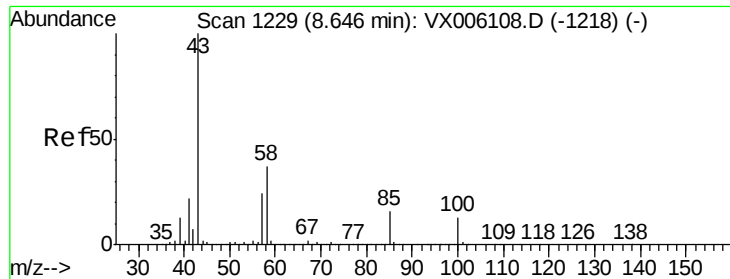
MMDadoda
11/21/2018 10:37:28 AM



#50
Toluene-d8
Concen: 152.52 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006110.D
Acq: 20 Nov 2018 19:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.0	76.4





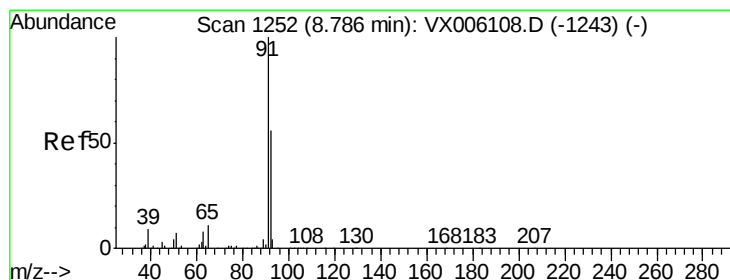
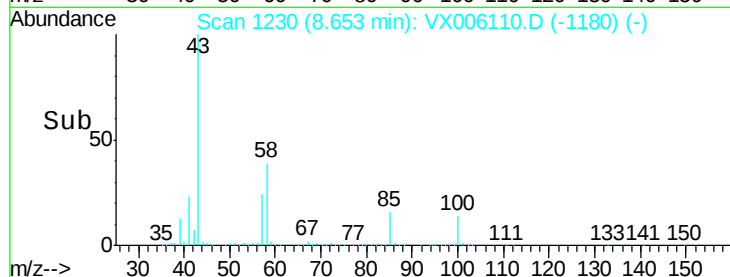
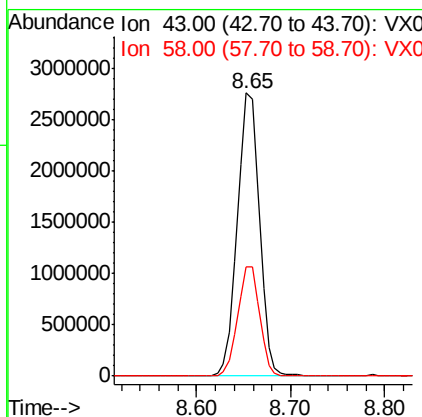
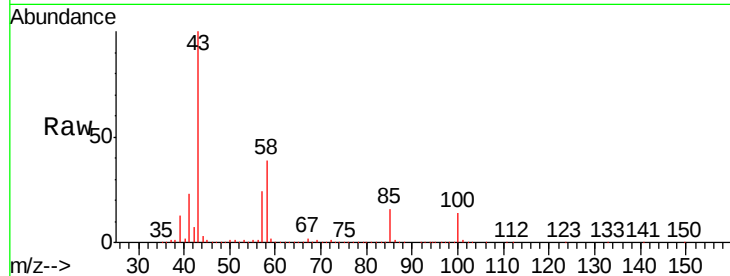
#51
4-Methyl-2-Pentanone
Concen: 838.23 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. 0.01 min
Lab File: VX006110.D
Acq: 20 Nov 2018 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion: 43 Resp: 4537656
Ion Ratio Lower Upper
43 100
58 38.2 29.9 44.9

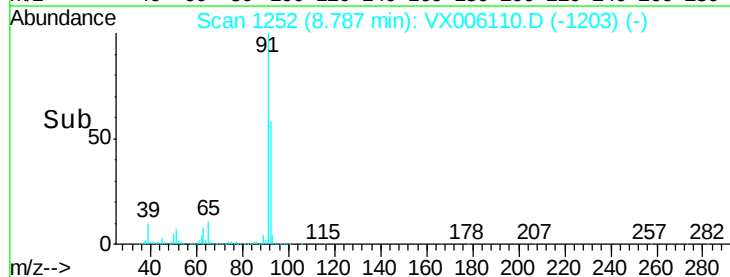
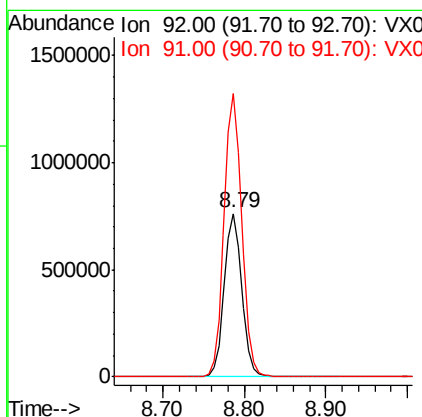
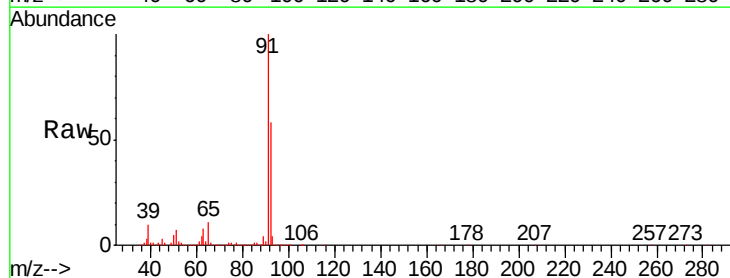
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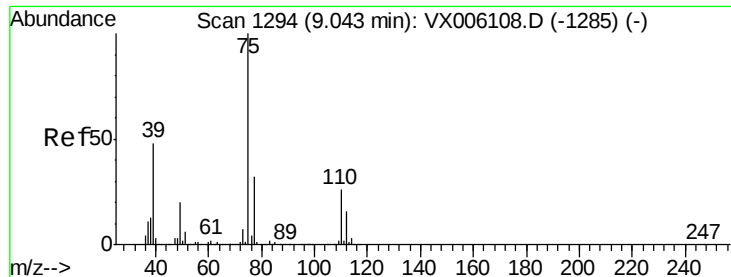
MMDadoda
11/21/2018 10:37:28 AM



#52
Toluene
Concen: 153.05 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX006110.D
Acq: 20 Nov 2018 19:29

Tgt Ion: 92 Resp: 1133503
Ion Ratio Lower Upper
92 100
91 175.4 142.5 213.7





#53

t-1,3-Dichloropropene

Concen: 169.26 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX006110.D

Acq: 20 Nov 2018 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 75 Resp: 708891

Ion Ratio Lower Upper

75 100

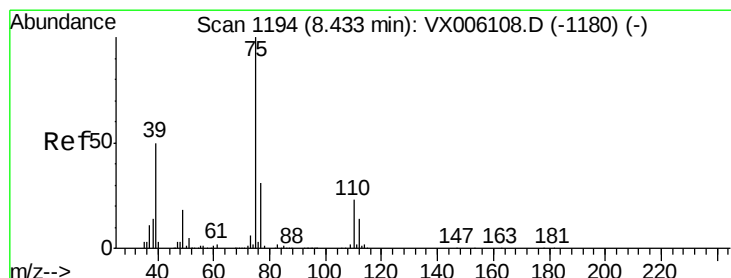
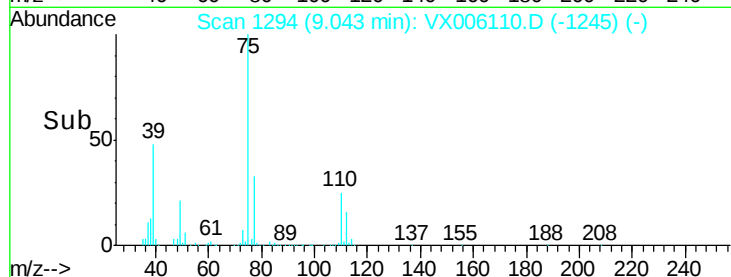
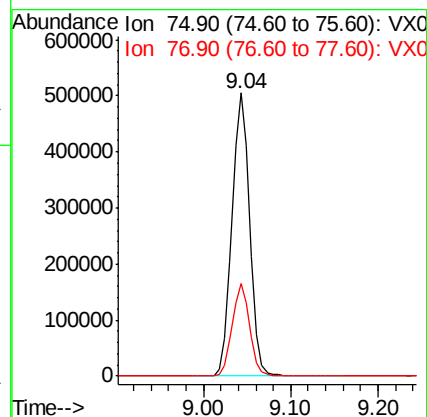
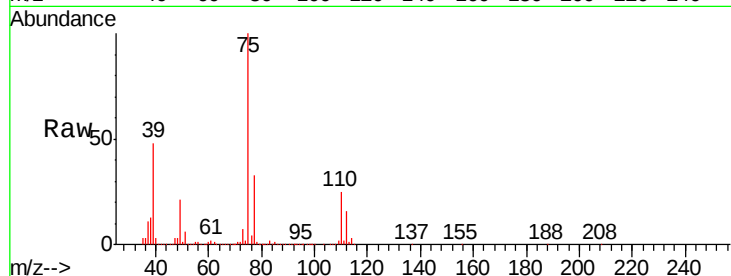
77 32.5 25.7 38.5

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 161.75 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.01 min

Lab File: VX006110.D

Acq: 20 Nov 2018 19:29

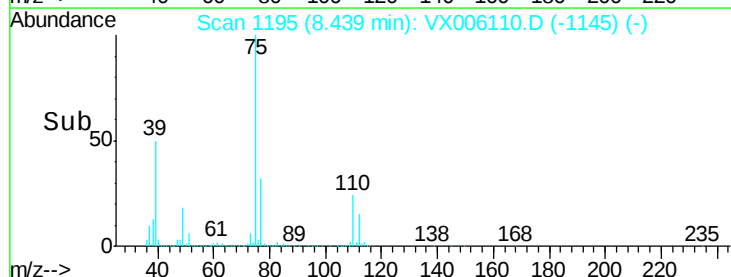
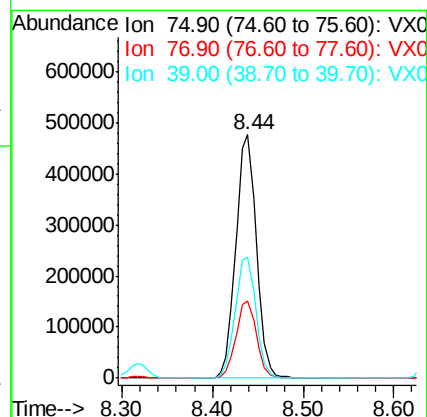
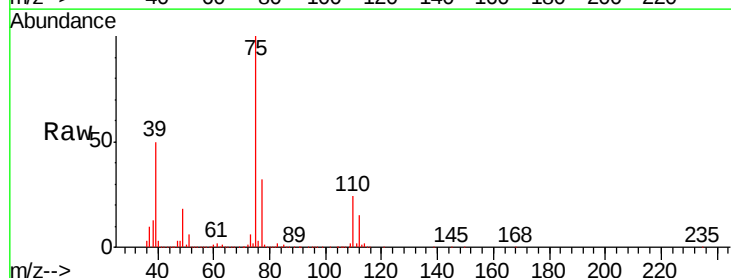
Tgt Ion: 75 Resp: 748934

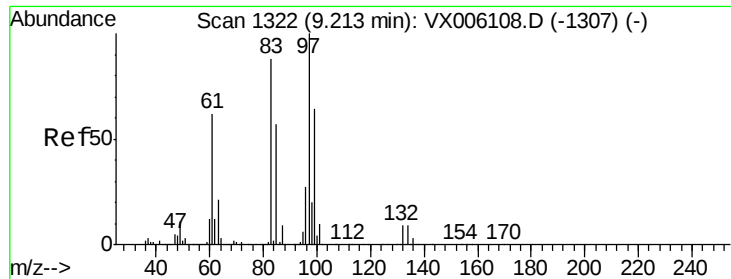
Ion Ratio Lower Upper

75 100

77 31.8 24.7 37.1

39 49.6 40.3 60.5





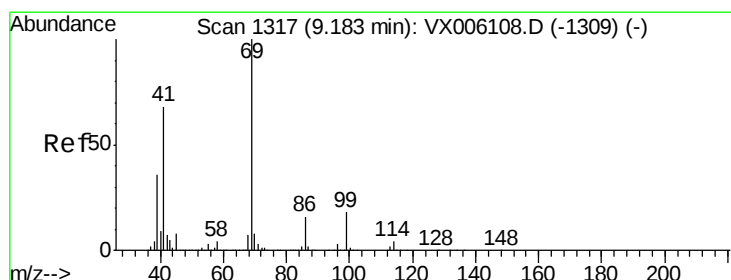
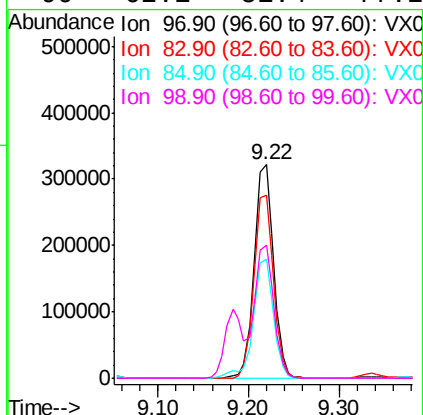
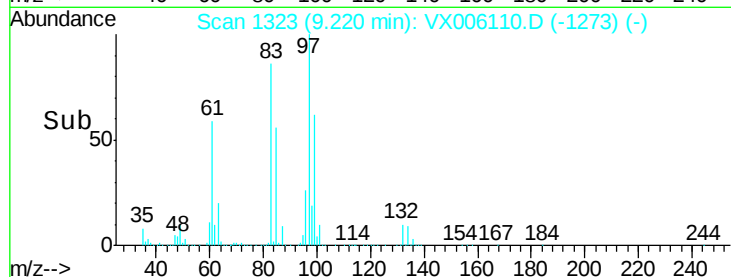
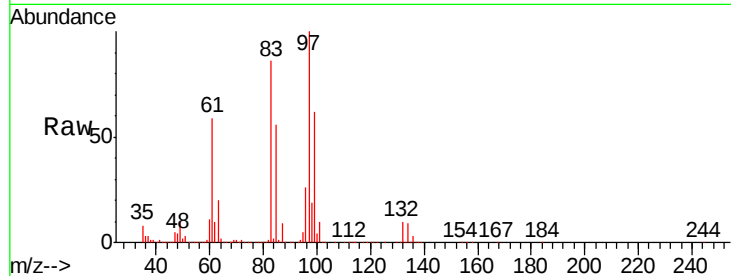
#55
 1,1,2-Trichloroethane
 Concen: 148.93 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VX006110.D
 Acq: 20 Nov 2018 19:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.9	70.7	106.1
85	55.7	45.7	68.5
99	62.1	51.4	77.2

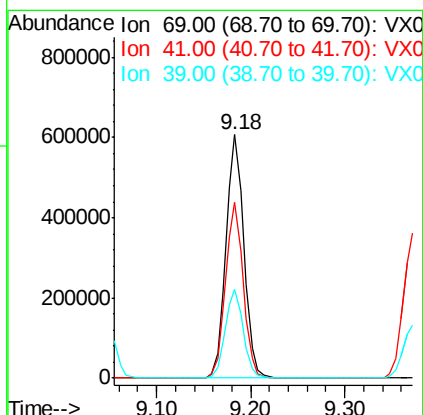
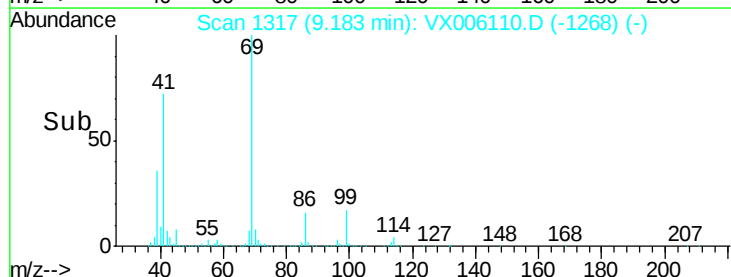
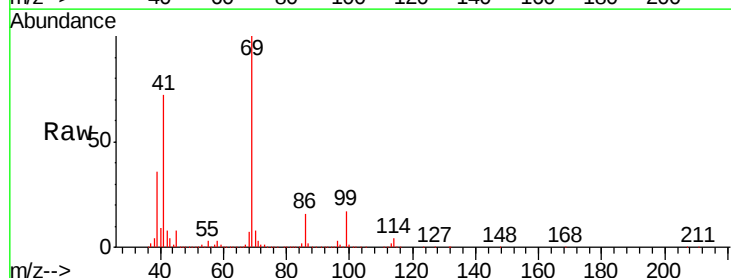
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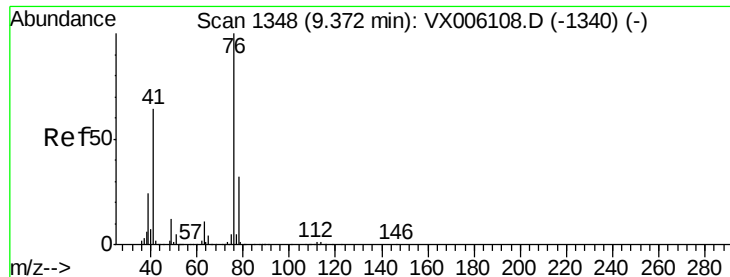
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#56
 Ethyl methacrylate
 Concen: 181.10 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX006110.D
 Acq: 20 Nov 2018 19:29

Tgt Ion	Ratio	Lower	Upper
69	100		
41	71.4	56.2	84.4
39	36.7	29.4	44.0





#57

1,3-Dichloropropane

Concen: 149.66 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX006110.D

Acq: 20 Nov 2018 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 76 Resp: 791226

Ion Ratio Lower Upper

76 100

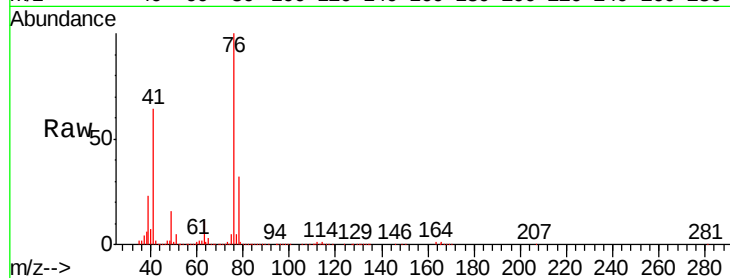
78 32.0 25.7 38.5

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

9.37

600000

500000

400000

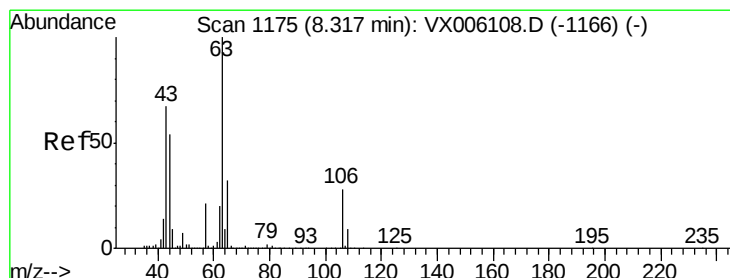
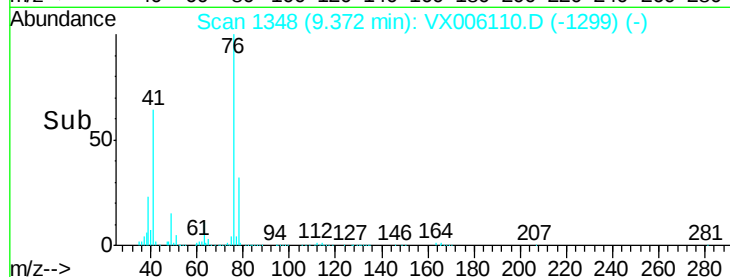
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 853.32 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VX006110.D

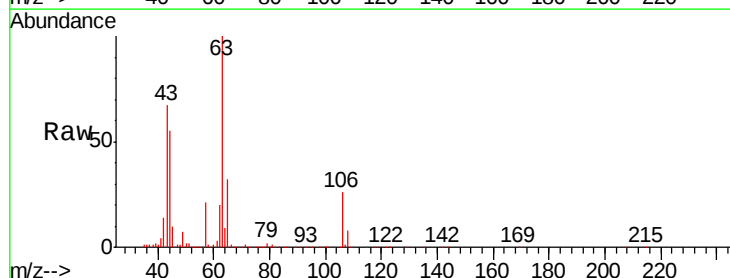
Acq: 20 Nov 2018 19:29

Tgt Ion: 63 Resp: 2159815

Ion Ratio Lower Upper

63 100

106 26.5 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

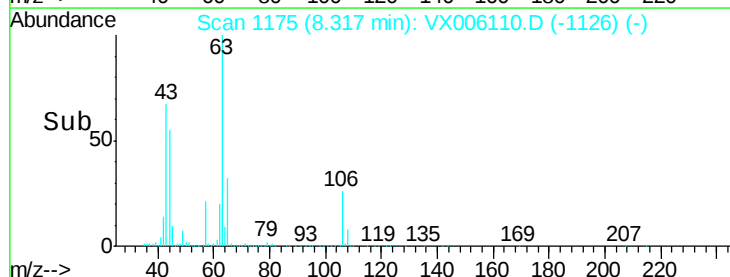
1500000

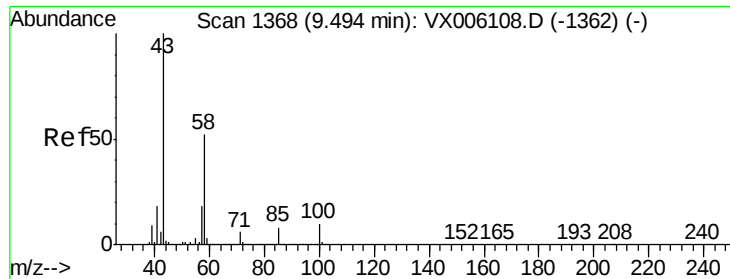
1000000

500000

0

Time-->





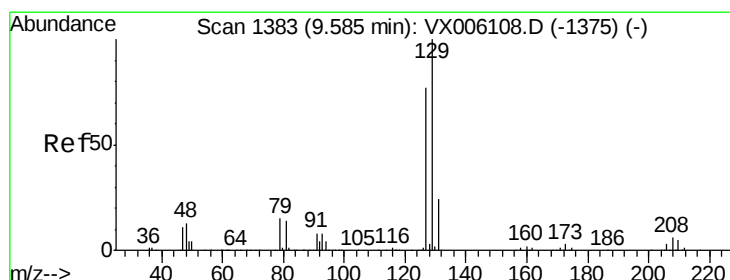
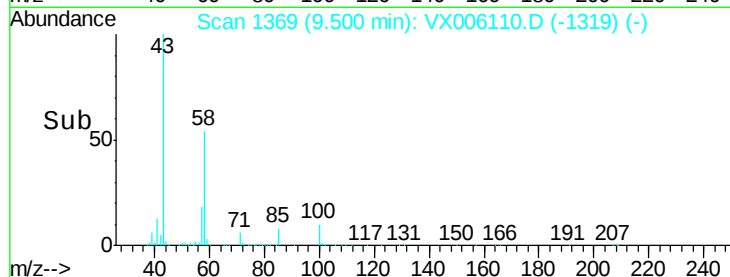
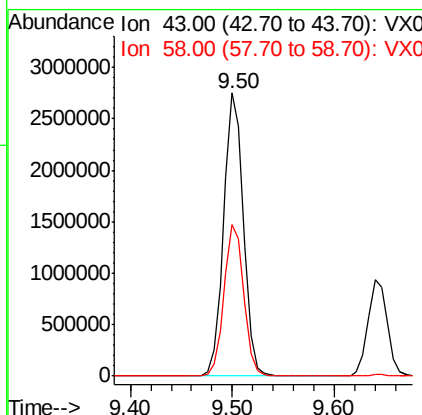
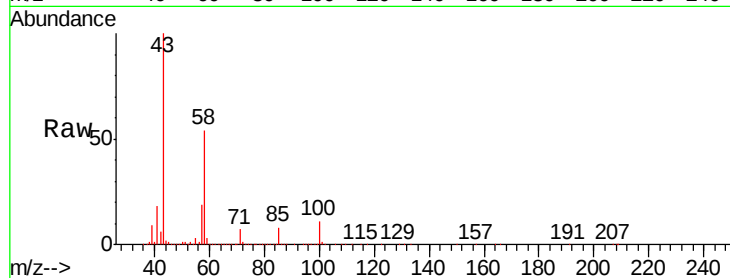
#59
2-Hexanone
Concen: 860.72 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.01 min
Lab File: VX006110.D
Acq: 20 Nov 2018 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion: 43 Resp: 3697746
Ion Ratio Lower Upper
43 100
58 53.4 26.3 78.9

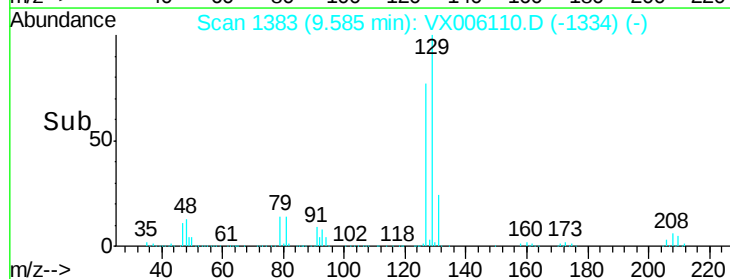
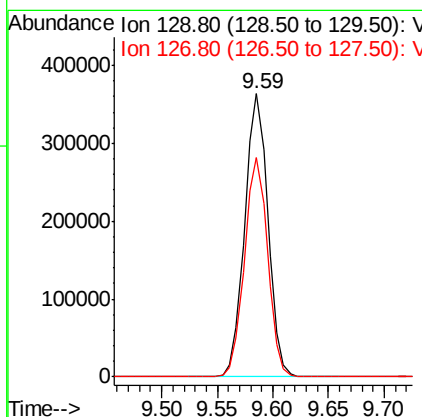
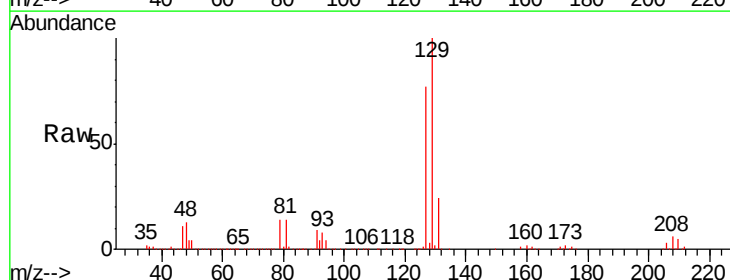
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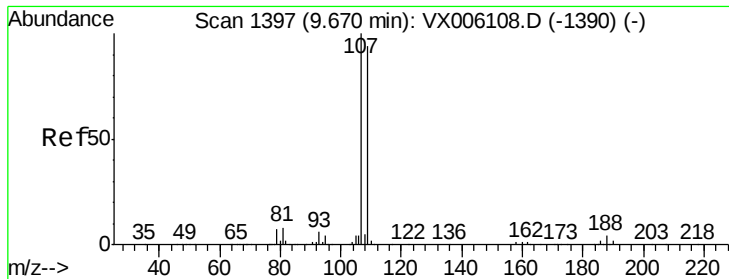
MMDadoda
11/21/2018 10:37:28 AM



#60
Dibromochloromethane
Concen: 167.55 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX006110.D
Acq: 20 Nov 2018 19:29

Tgt Ion: 129 Resp: 526867
Ion Ratio Lower Upper
129 100
127 77.5 39.1 117.5





#61

1,2-Dibromoethane

Concen: 154.00 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VX006110.D

Acq: 20 Nov 2018 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 107 Resp: 508867

Ion Ratio Lower Upper

107 100

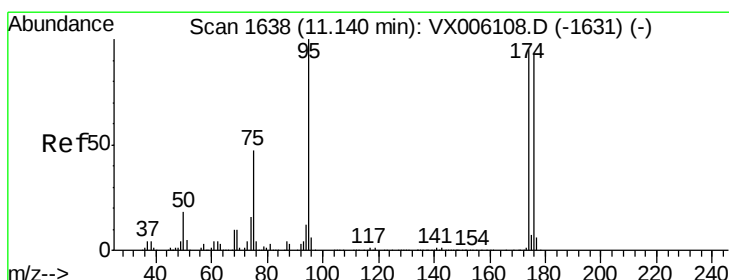
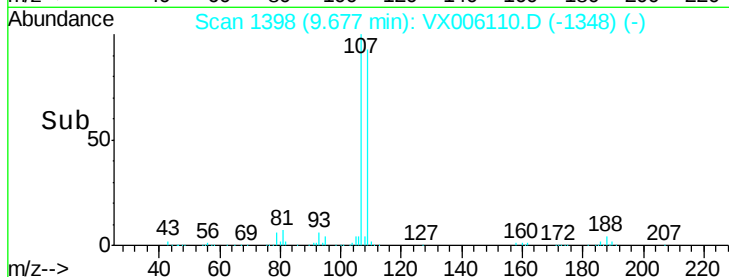
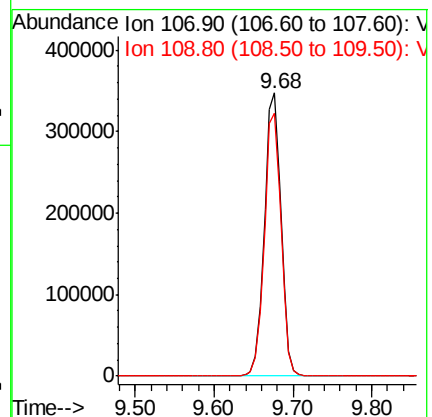
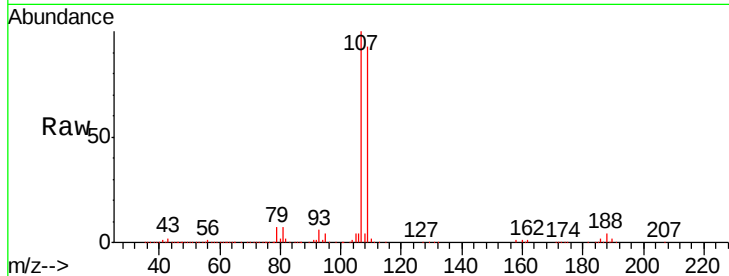
109 94.1 75.7 113.5

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 166.97 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX006110.D

Acq: 20 Nov 2018 19:29

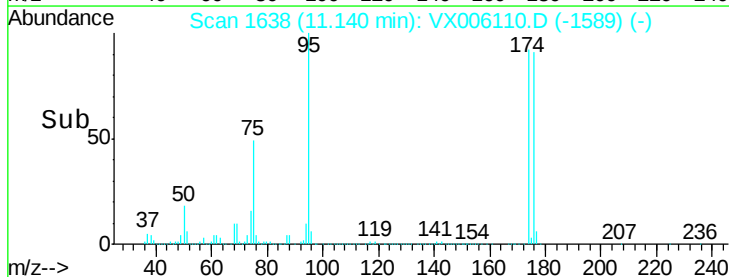
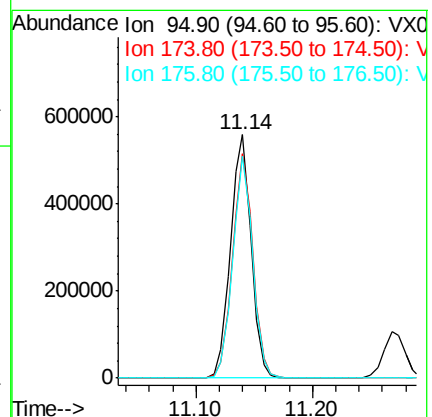
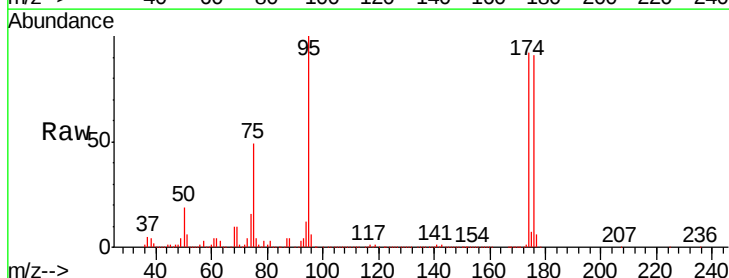
Tgt Ion: 95 Resp: 685195

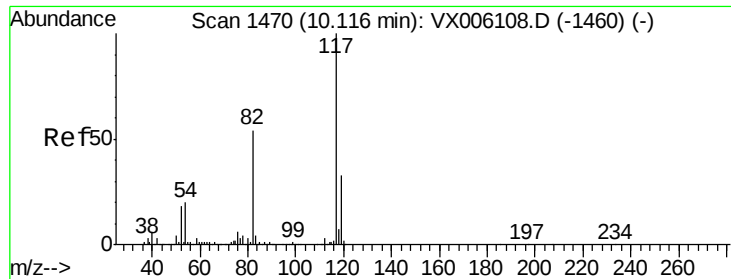
Ion Ratio Lower Upper

95 100

174 90.9 0.0 184.4

176 88.4 0.0 179.0





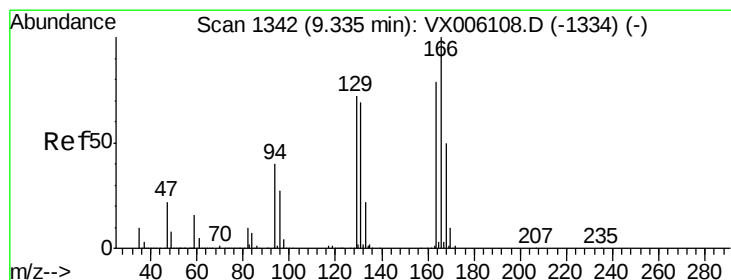
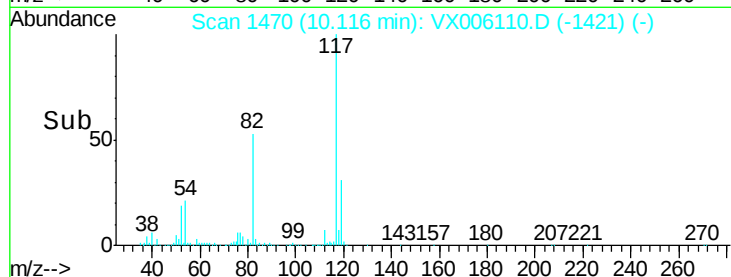
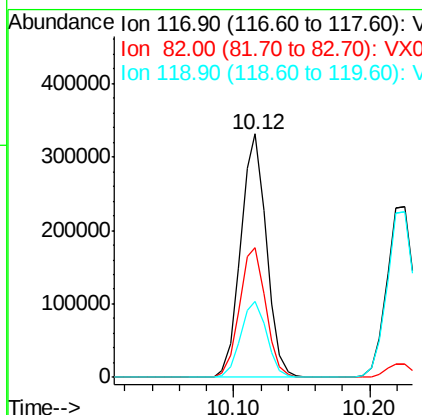
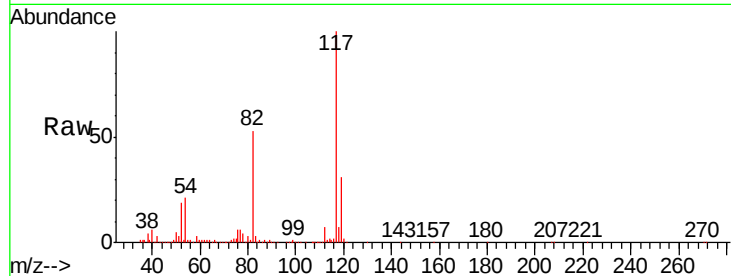
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006110.D
Acq: 20 Nov 2018 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	436161		
82	53.1	43.0	64.4	
119	31.0	26.1	39.1	

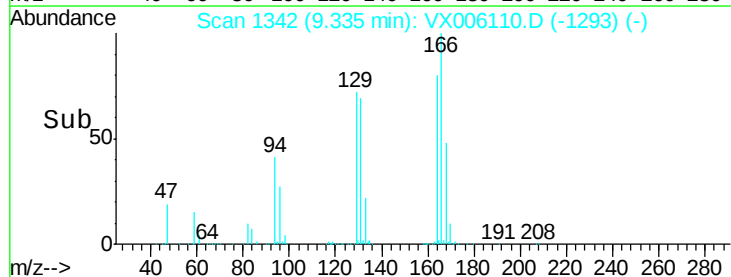
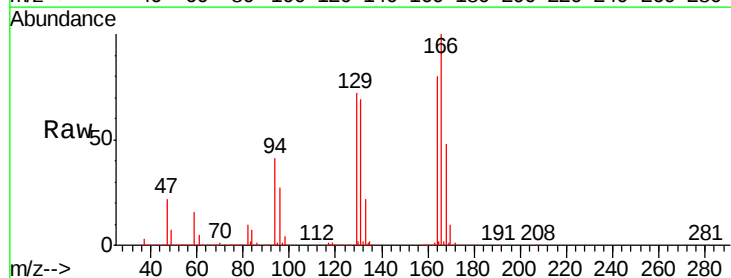
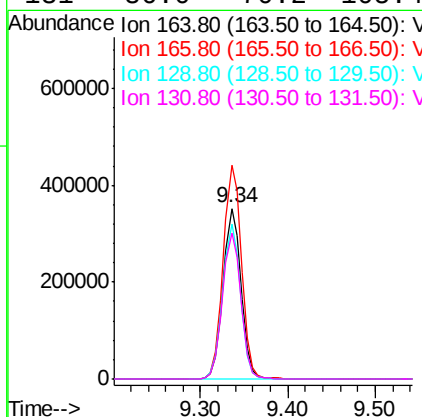
Manual Integrations
APPROVED

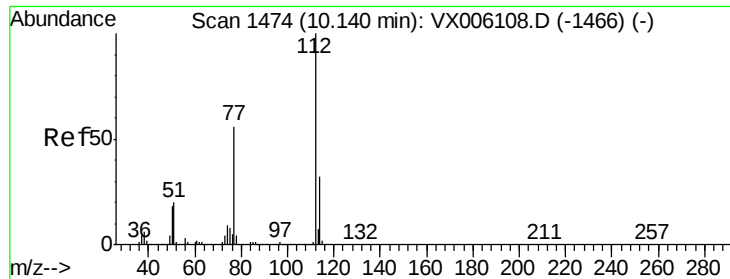
MMDadoda
11/21/2018 10:37:28 AM



#64
Tetrachloroethene
Concen: 139.20 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006110.D
Acq: 20 Nov 2018 19:29

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	499619		
166	125.4	101.5	152.3	
129	90.8	73.4	110.0	
131	86.0	70.2	105.4	





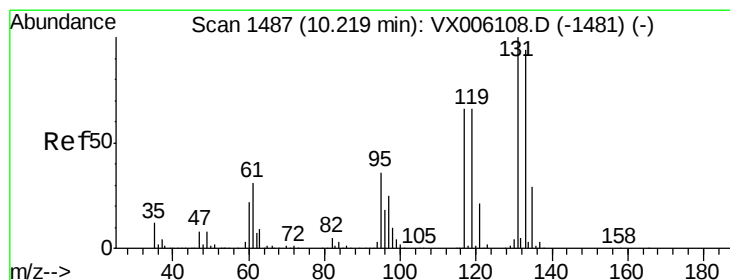
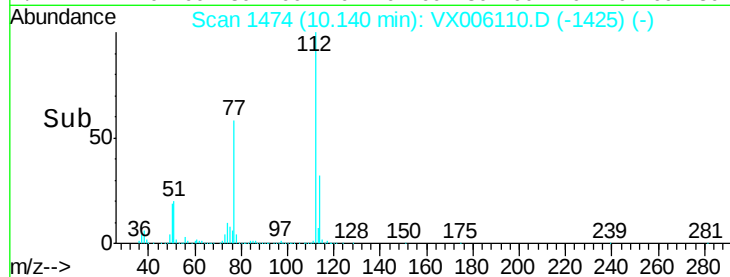
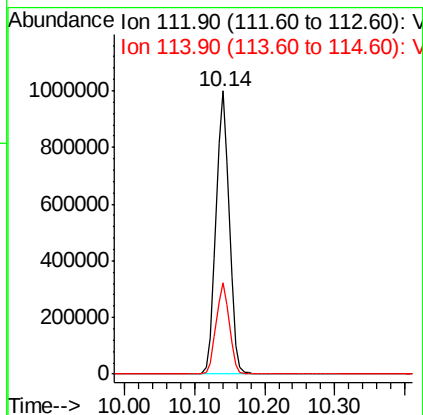
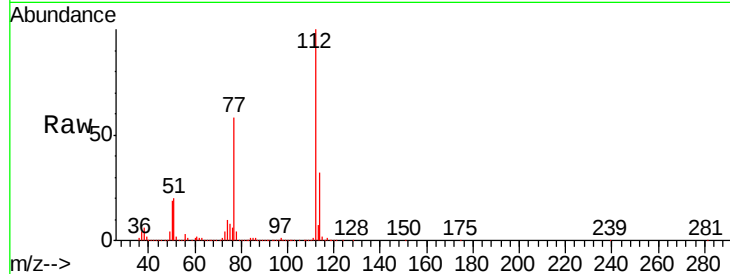
#65
Chlorobenzene
Concen: 148.14 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX006110.D
Acq: 20 Nov 2018 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion:112 Resp: 1325354
Ion Ratio Lower Upper
112 100
114 32.5 25.6 38.4

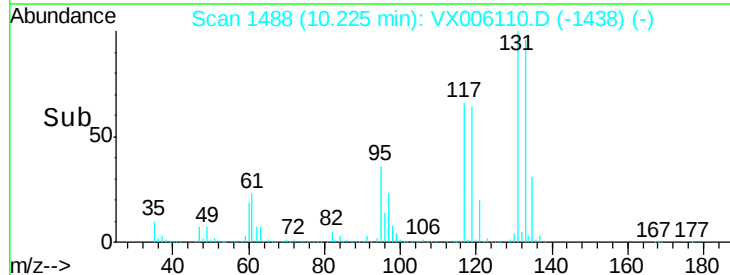
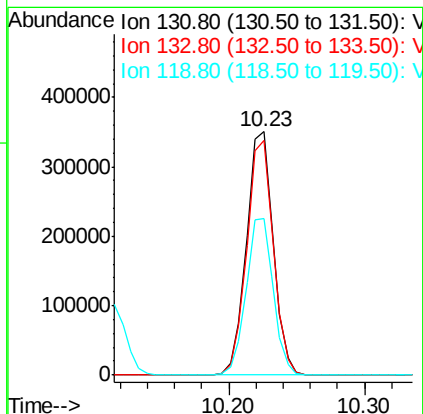
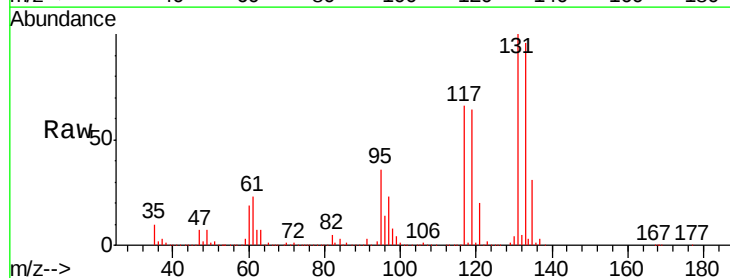
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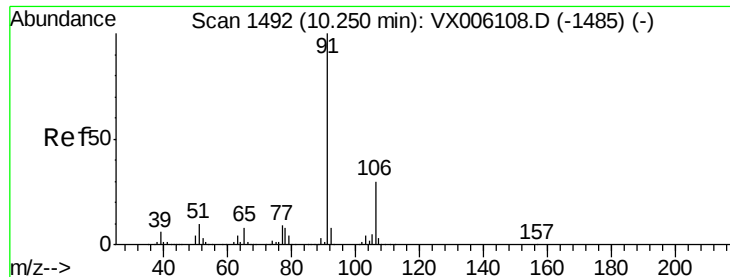
MMDadoda
11/21/2018 10:37:28 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 157.71 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VX006110.D
Acq: 20 Nov 2018 19:29

Tgt Ion:131 Resp: 484395
Ion Ratio Lower Upper
131 100
133 96.1 48.0 144.2
119 65.1 32.6 97.8





#67

Ethyl Benzene

Concen: 155.49 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX006110.D

Acq: 20 Nov 2018 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 2277726

Ion Ratio Lower Upper

91 100

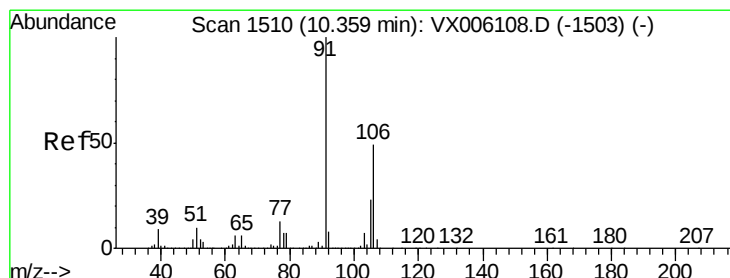
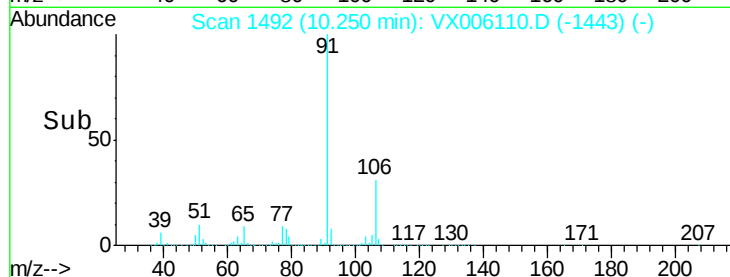
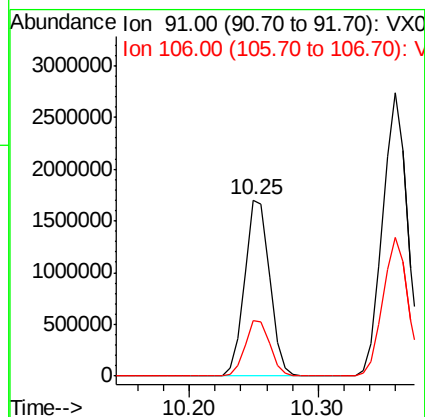
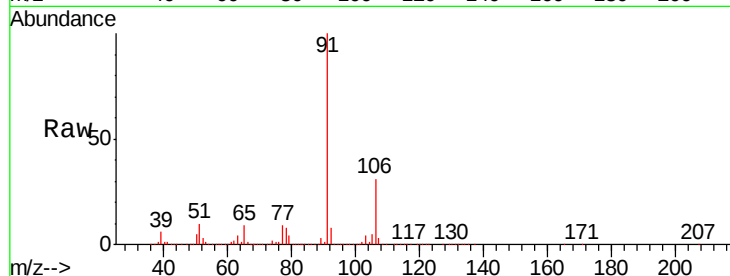
106 31.4 24.4 36.6

Manual Integrations

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#68

m/p-Xylenes

Concen: 313.52 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX006110.D

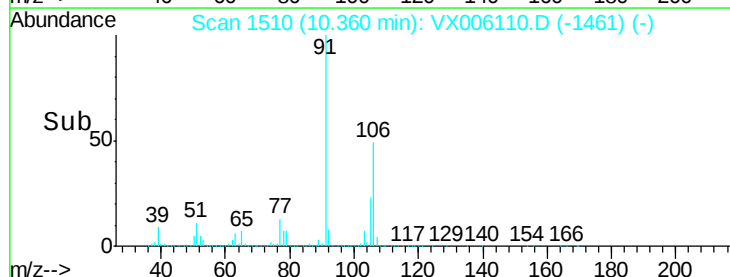
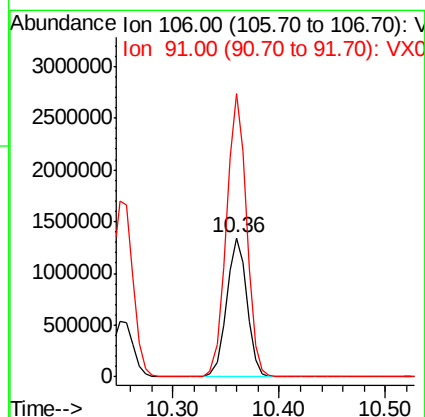
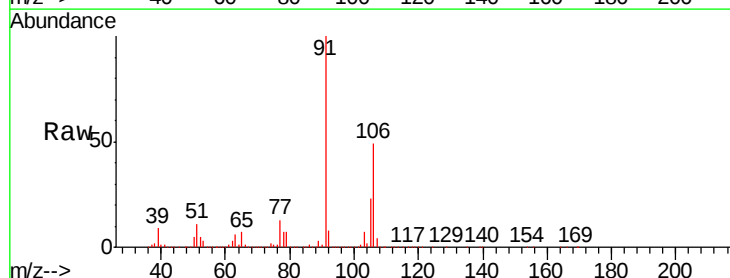
Acq: 20 Nov 2018 19:29

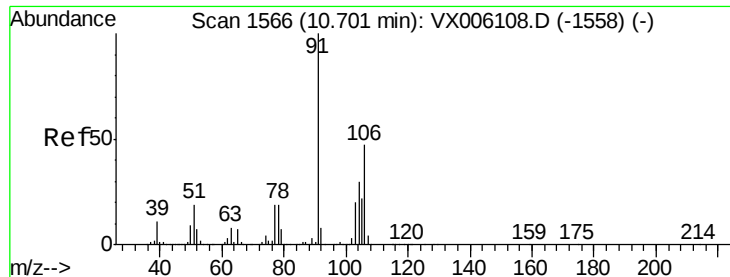
Tgt Ion: 106 Resp: 1788395

Ion Ratio Lower Upper

106 100

91 202.6 162.0 243.0





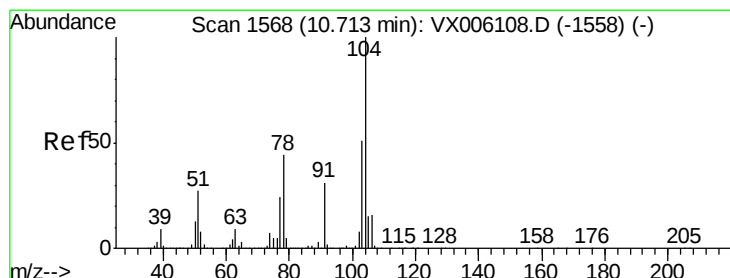
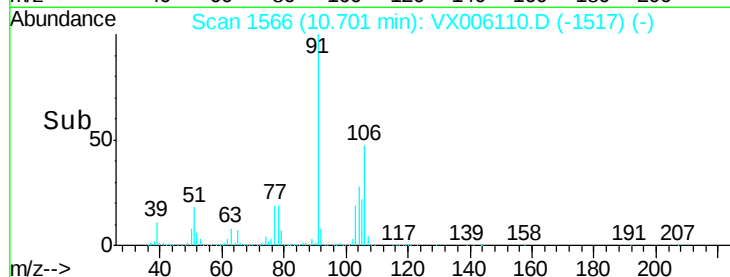
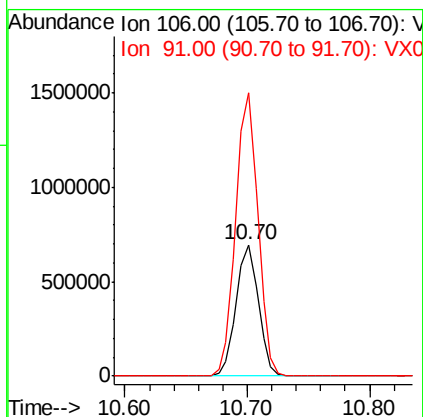
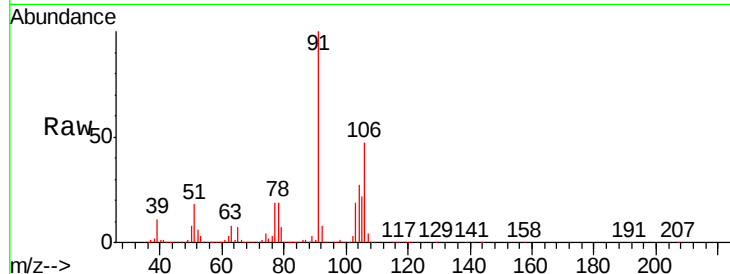
#69
o-Xylene
Concen: 160.11 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006110.D
Acq: 20 Nov 2018 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion:106 Resp: 872388
Ion Ratio Lower Upper
106 100
91 215.6 107.4 322.2

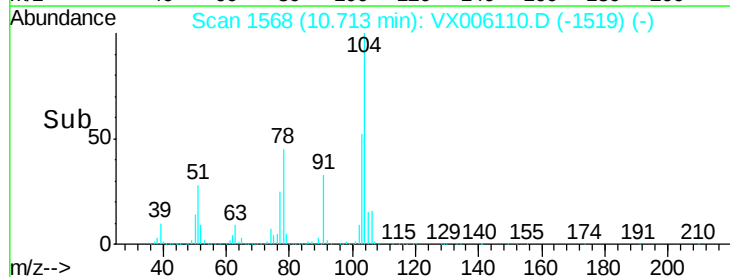
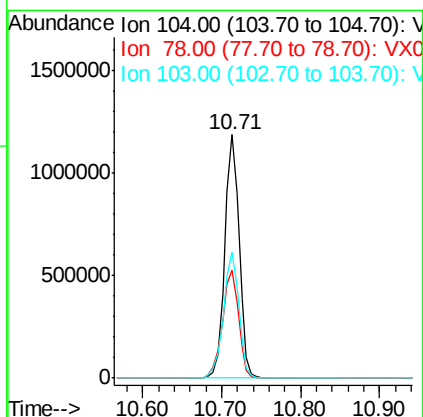
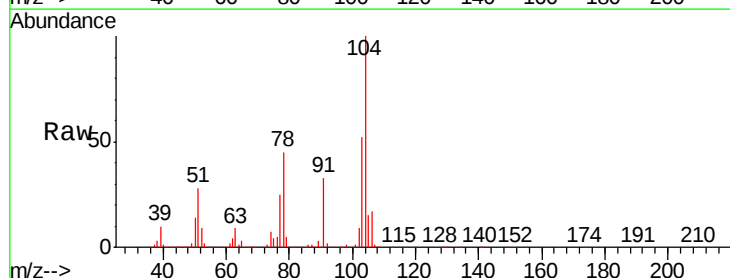
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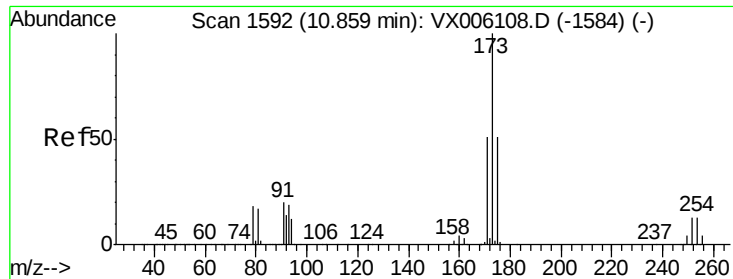
MMDadoda
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#70
Styrene
Concen: 168.98 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006110.D
Acq: 20 Nov 2018 19:29

Tgt Ion:104 Resp: 1501210
Ion Ratio Lower Upper
104 100
78 50.0 39.4 59.2
103 55.8 44.6 67.0





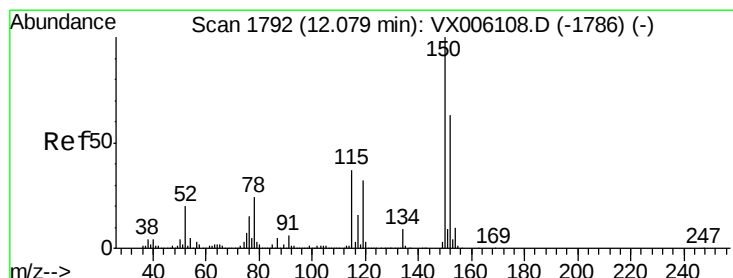
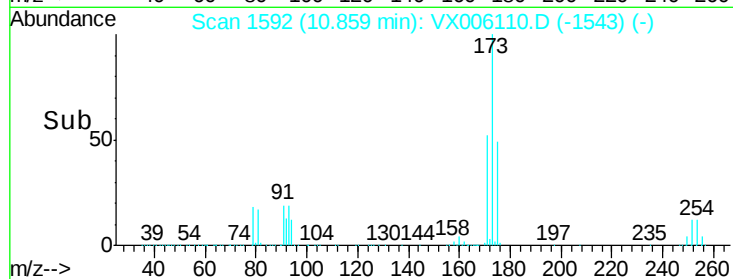
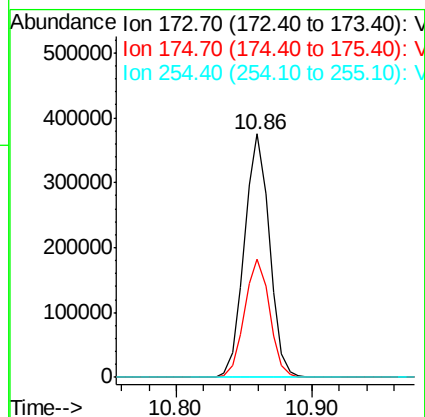
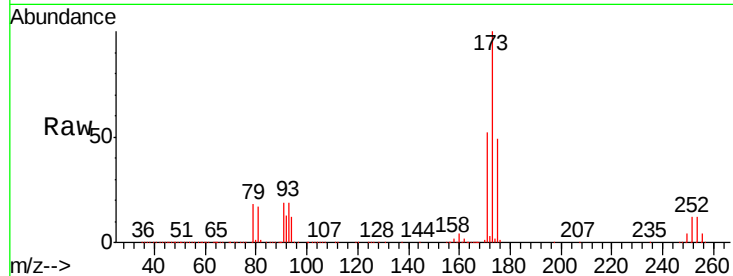
#71
Bromoform
Concen: 175.31 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX006110.D
Acq: 20 Nov 2018 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.9	74.6
254	0.2	0.2	0.2

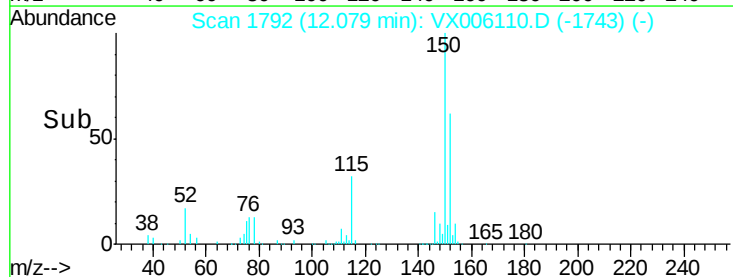
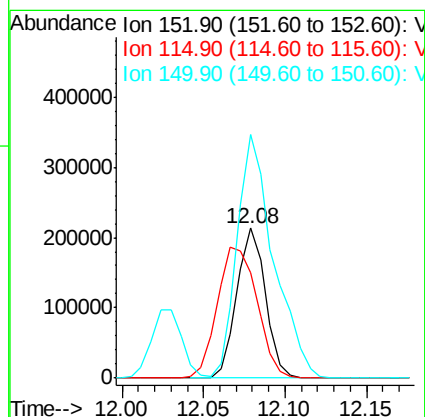
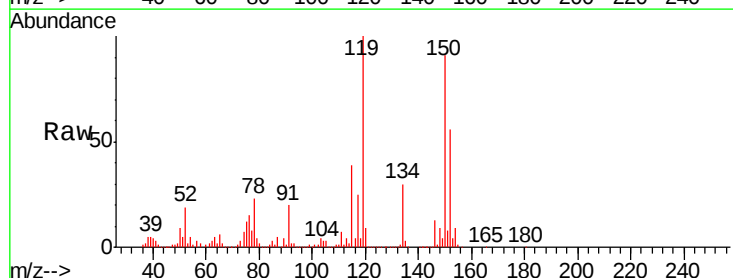
Manual Integrations
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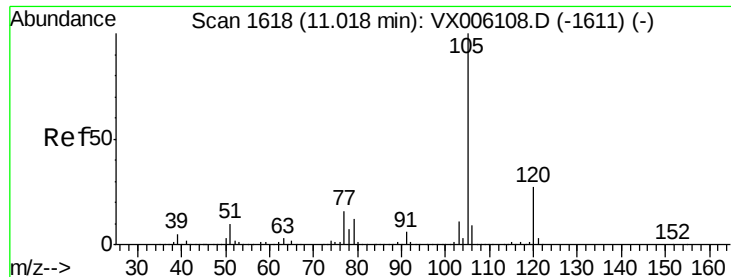
MMDadoda
11/21/2018 10:37:28 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006110.D
Acq: 20 Nov 2018 19:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	120.7	39.0	116.9#
150	206.0	0.0	346.6





#73

Isopropylbenzene

Concen: 149.41 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006110.D

Acq: 20 Nov 2018 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 105 Resp: 2365877

Ion Ratio Lower Upper

105 100

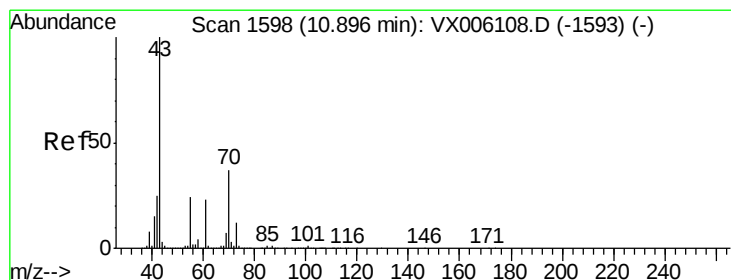
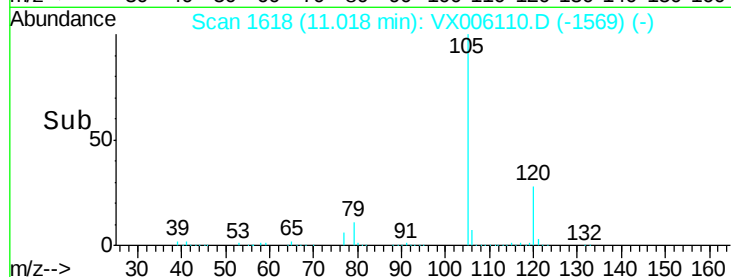
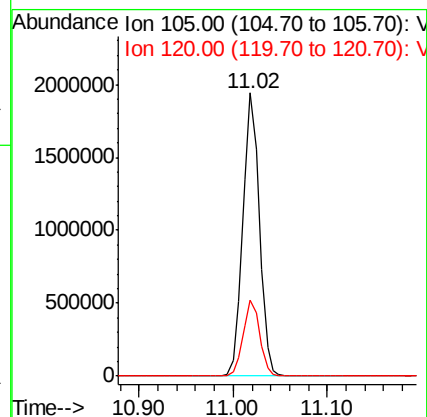
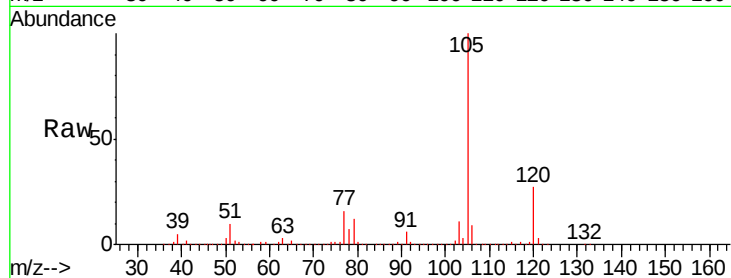
120 26.9 13.3 39.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 175.54 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.01 min

Lab File: VX006110.D

Acq: 20 Nov 2018 19:29

Tgt Ion: 43 Resp: 1261900

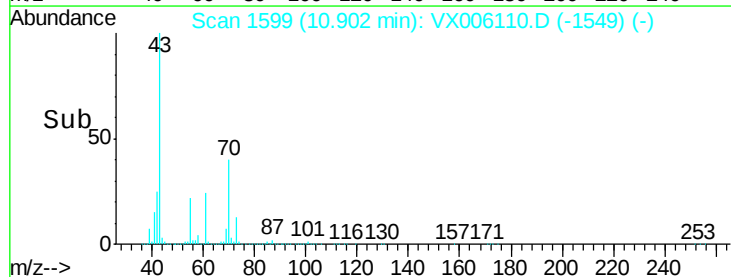
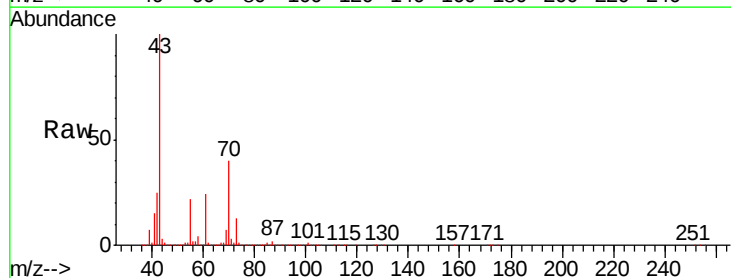
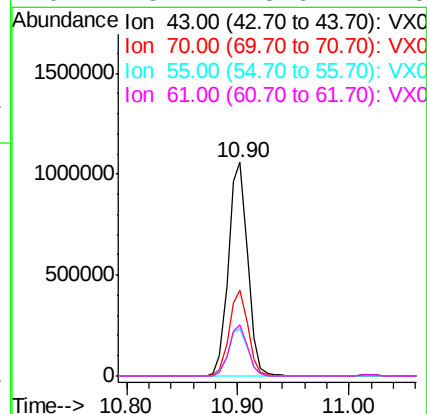
Ion Ratio Lower Upper

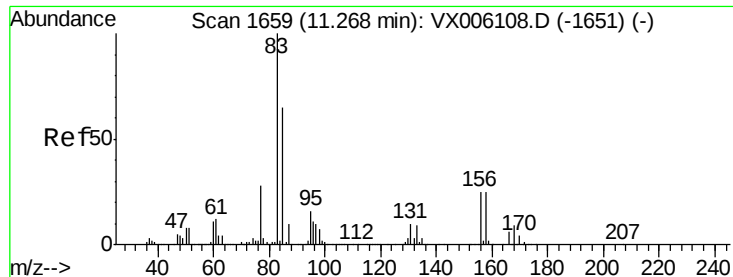
43 100

70 39.3 31.8 47.6

55 22.7 19.5 29.3

61 23.2 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 148.24 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX006110.D

Acq: 20 Nov 2018 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 884579

Ion Ratio Lower Upper

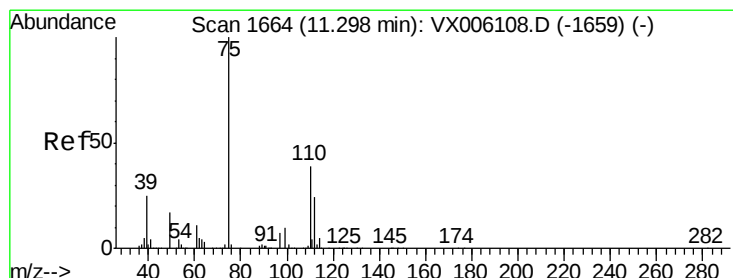
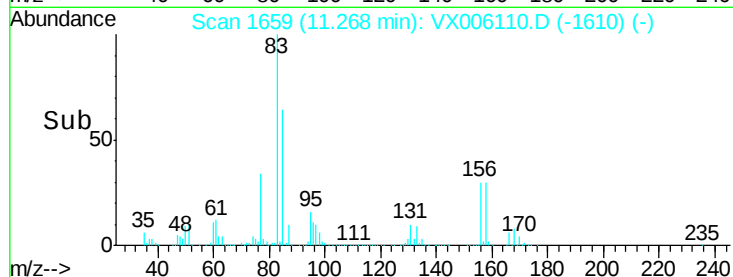
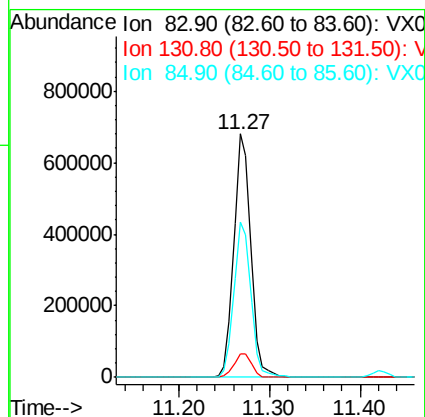
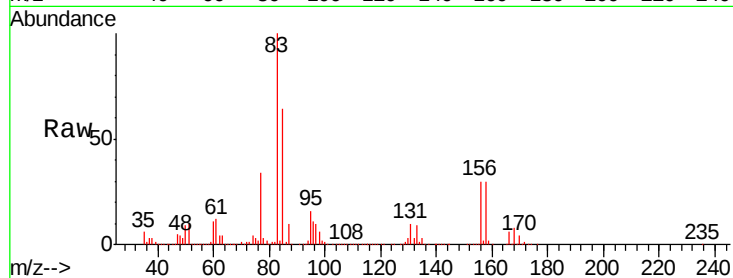
83 100

131 10.2 5.2 15.6

85 64.3 32.6 97.8

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#76

1,2,3-Trichloropropane

Concen: 148.30 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX006110.D

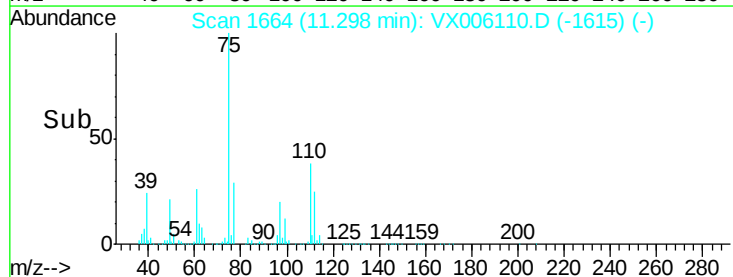
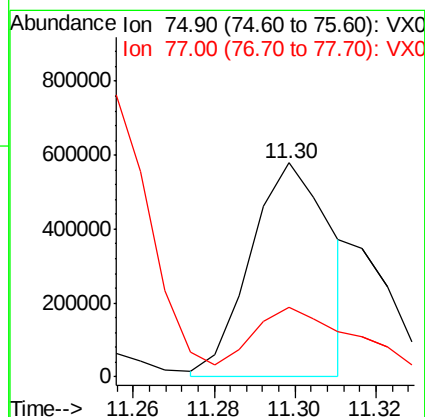
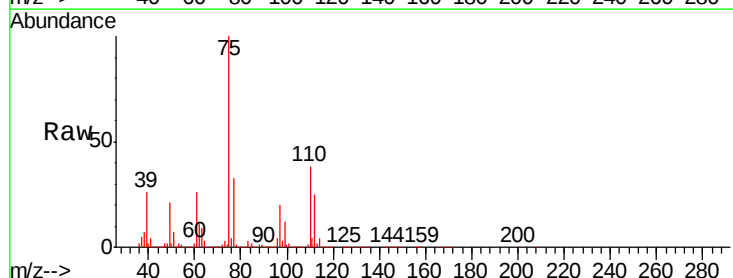
Acq: 20 Nov 2018 19:29

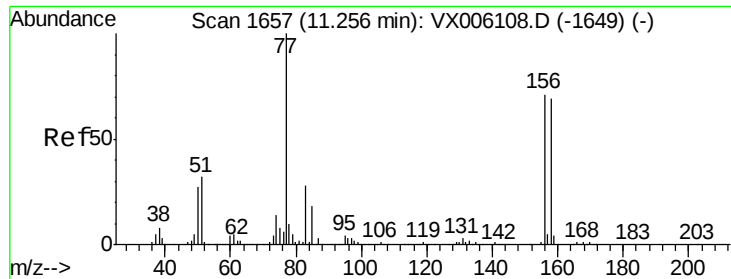
Tgt Ion: 75 Resp: 799018

Ion Ratio Lower Upper

75 100

77 42.3 19.6 58.7





#77

Bromobenzene

Concen: 146.65 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX006110.D

Acq: 20 Nov 2018 19:29

Instrument :

MSVOA_X

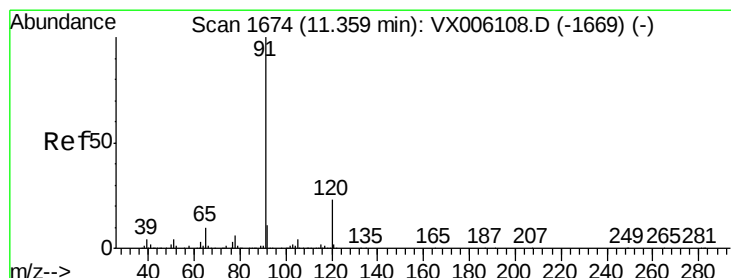
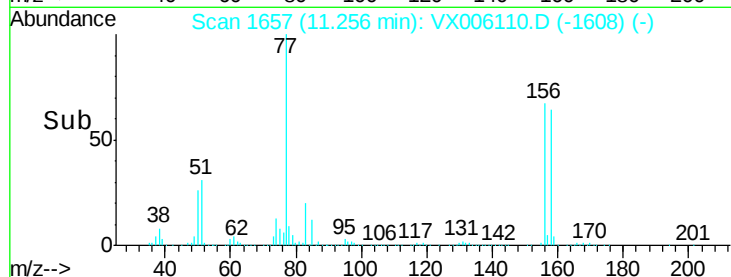
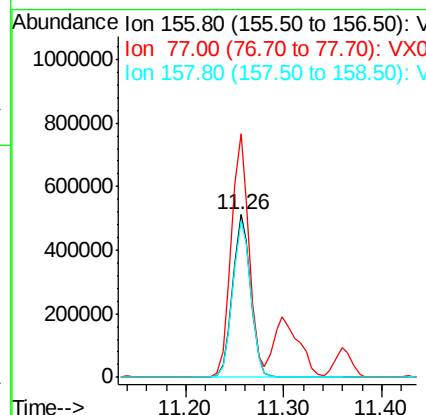
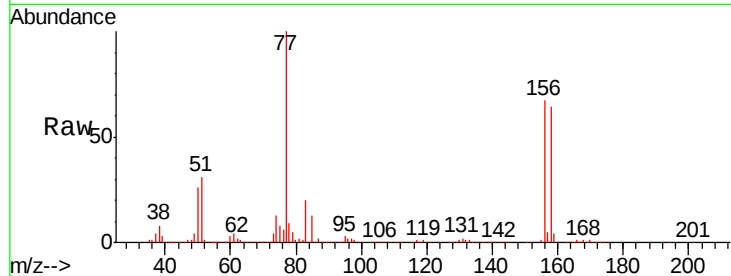
ClientSampleId :

VSTDIC150

Tgt Ion	Ratio	Lower	Upper
156	100		
77	149.0	74.3	222.8
158	97.0	49.0	147.0

Manual Integrations
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#78

n-propylbenzene

Concen: 152.80 ug/l

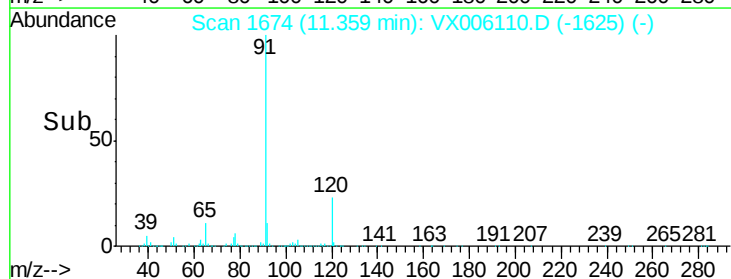
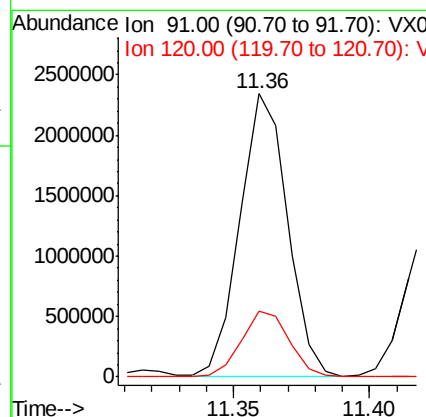
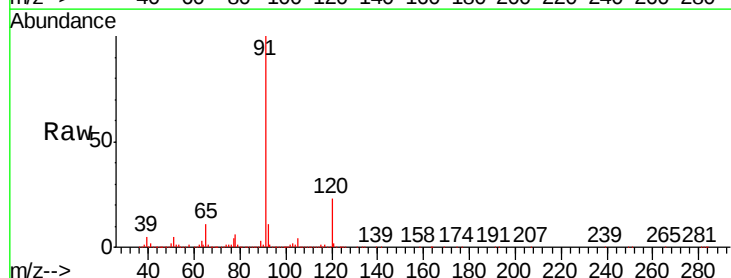
RT: 11.36 min Scan# 1674

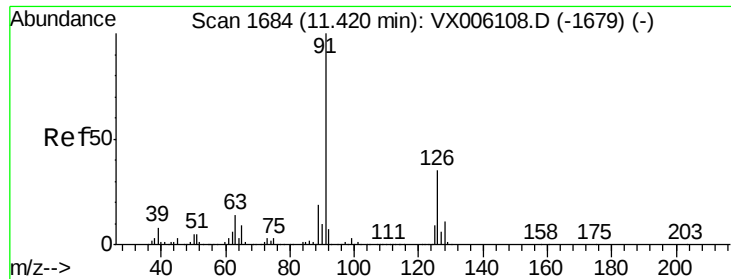
Delta R.T. 0.00 min

Lab File: VX006110.D

Acq: 20 Nov 2018 19:29

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.8	35.3





#79

2-Chlorotoluene

Concen: 147.36 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX006110.D

Acq: 20 Nov 2018 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 1643968

Ion Ratio Lower Upper

91 100

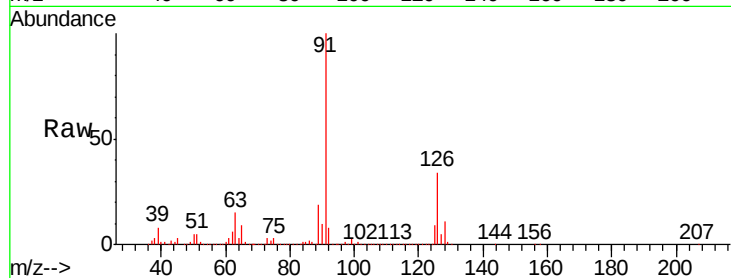
126 35.2 17.6 52.9

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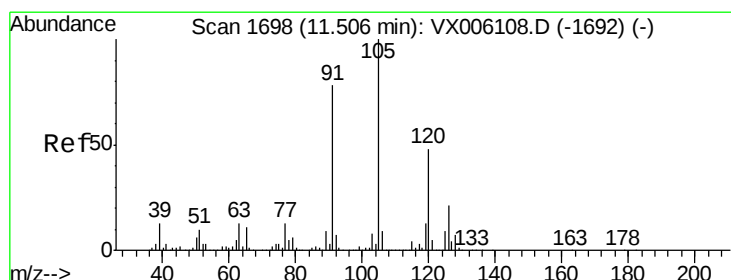
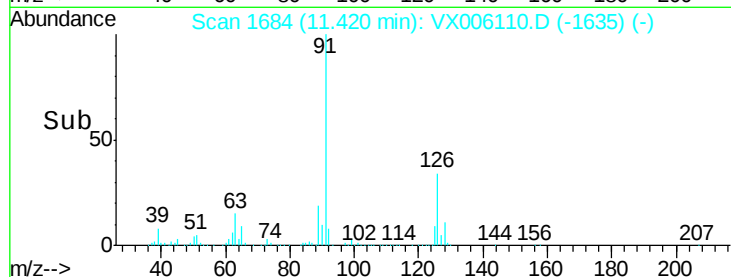
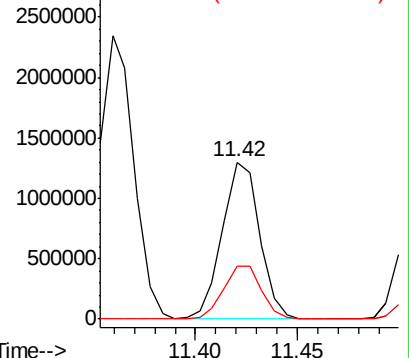
MMDadoda

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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: 155.63 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006110.D

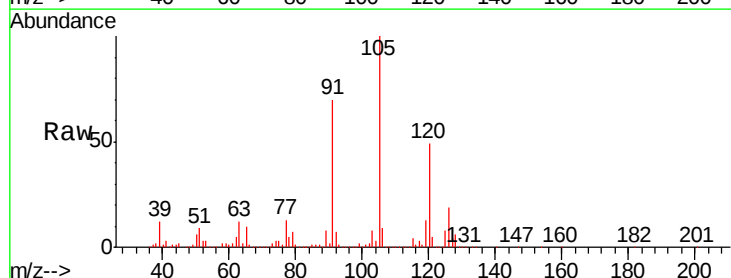
Acq: 20 Nov 2018 19:29

Tgt Ion: 105 Resp: 2077691

Ion Ratio Lower Upper

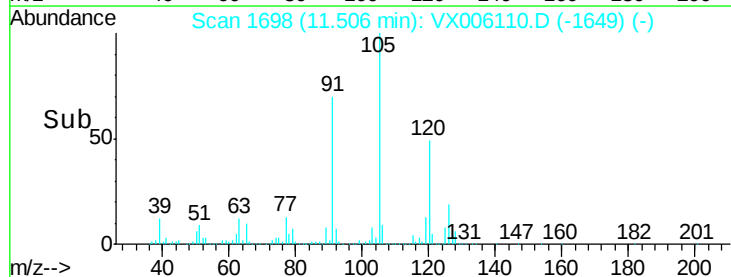
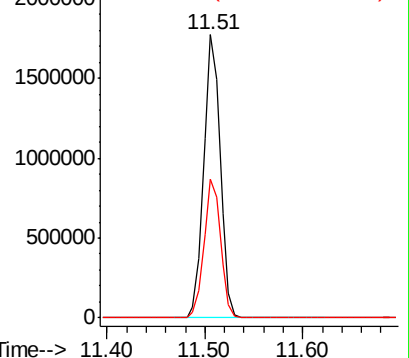
105 100

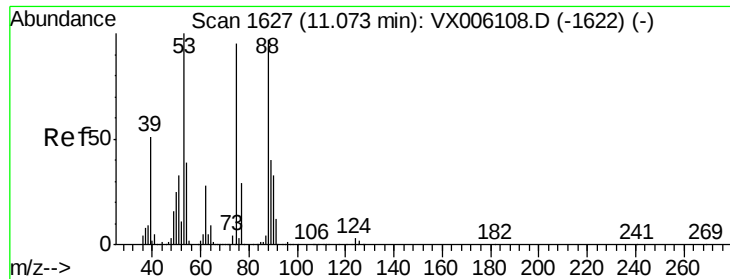
120 49.0 24.3 73.0



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: 173.43 ug/l

RT: 11.08 min Scan# 1628

Delta R.T. 0.01 min

Lab File: VX006110.D

Acq: 20 Nov 2018 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 75 Resp: 276278
Ion Ratio Lower Upper

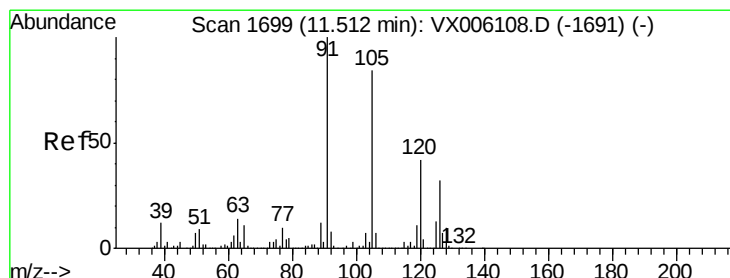
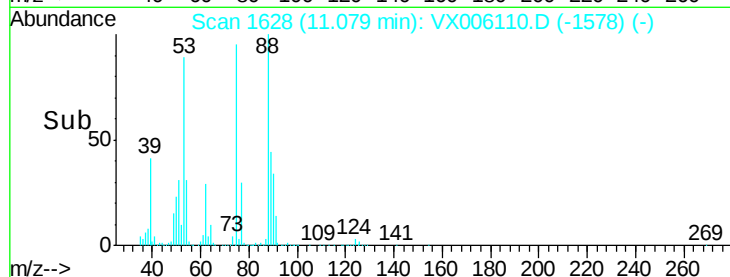
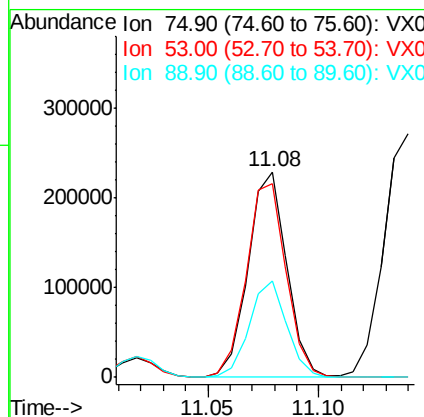
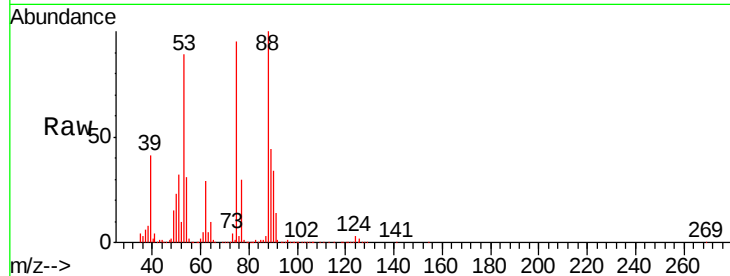
75 100

53 97.8 85.3 127.9

89 45.8 37.2 55.8

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#82

4-Chlorotoluene

Concen: 154.18 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

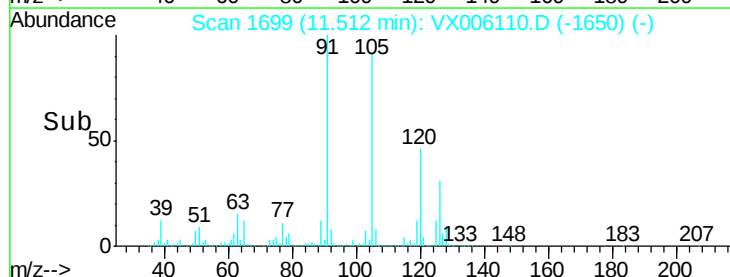
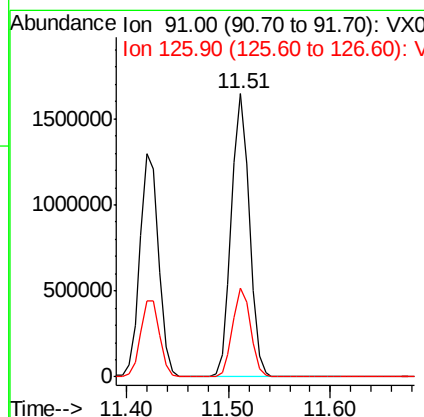
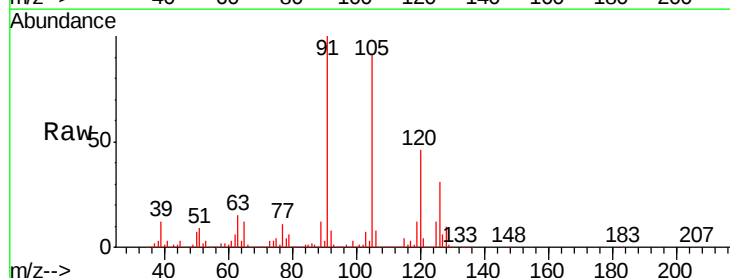
Lab File: VX006110.D

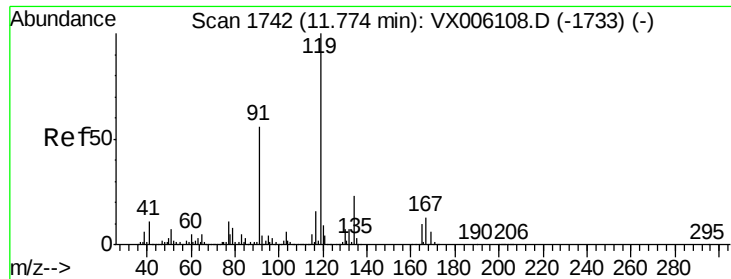
Acq: 20 Nov 2018 19:29

Tgt Ion: 91 Resp: 2007251
Ion Ratio Lower Upper

91 100

126 31.1 15.3 45.9





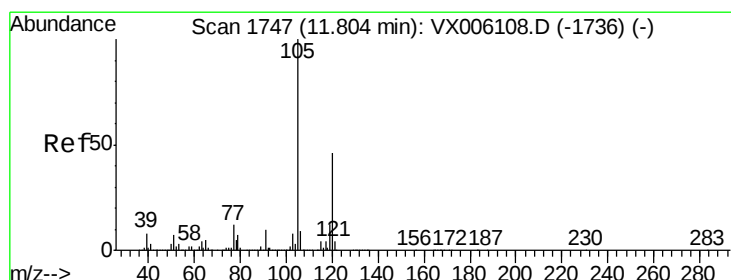
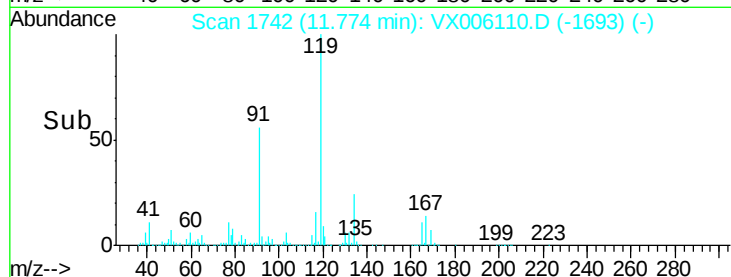
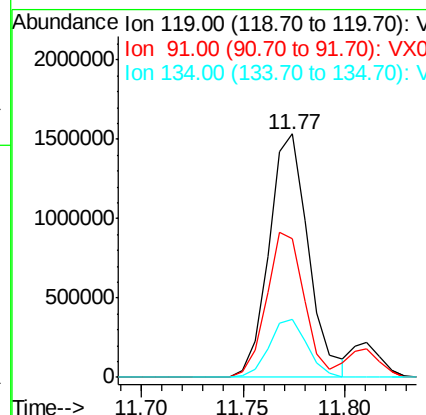
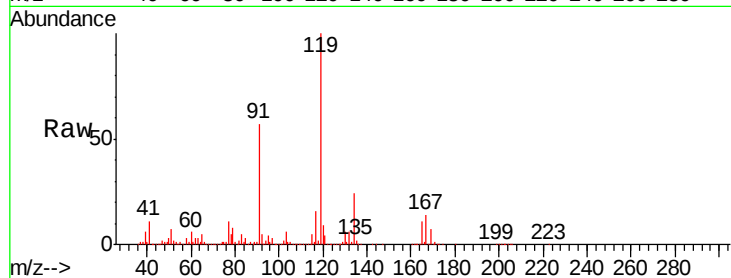
#83
 tert-Butylbenzene
 Concen: 158.31 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX006110.D
 Acq: 20 Nov 2018 19:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
119	100		
91	56.6	28.2	84.6
134	23.0	11.5	34.4

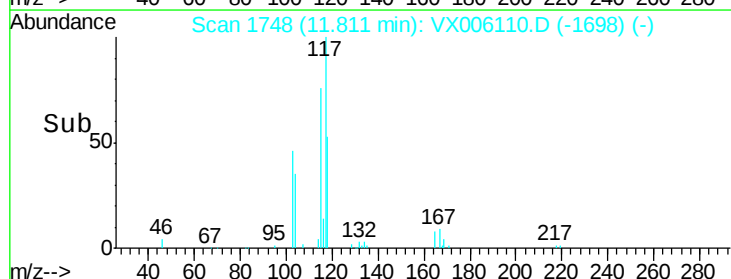
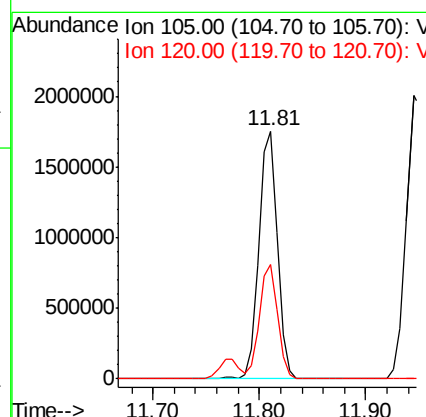
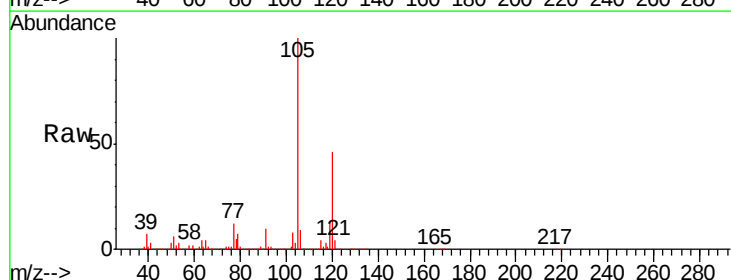
Manual Integrations
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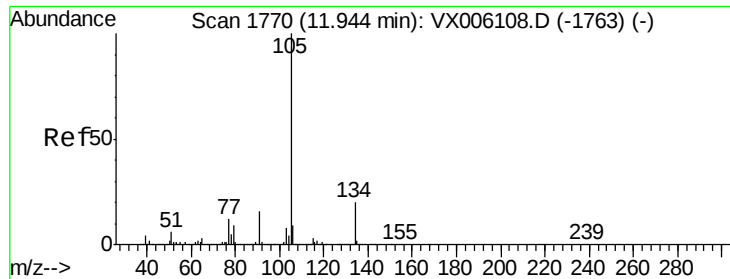
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 157.36 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.01 min
 Lab File: VX006110.D
 Acq: 20 Nov 2018 19:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.7	68.0





#85

sec-Butylbenzene

Concen: 157.24 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006110.D

Acq: 20 Nov 2018 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:105 Resp: 2506612

Ion Ratio Lower Upper

105 100

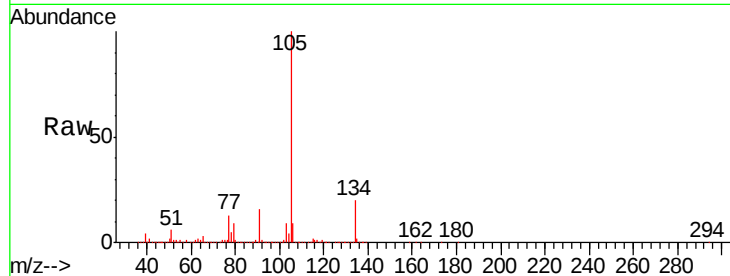
134 20.6 10.4 31.1

Manual Integrations

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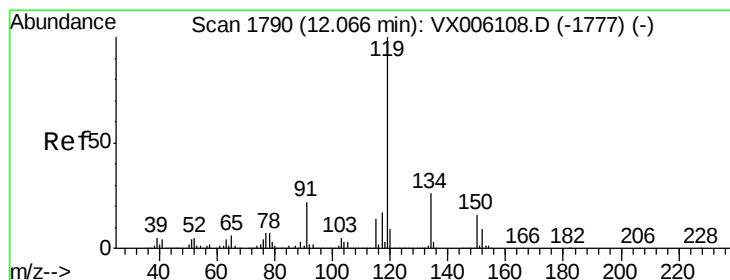
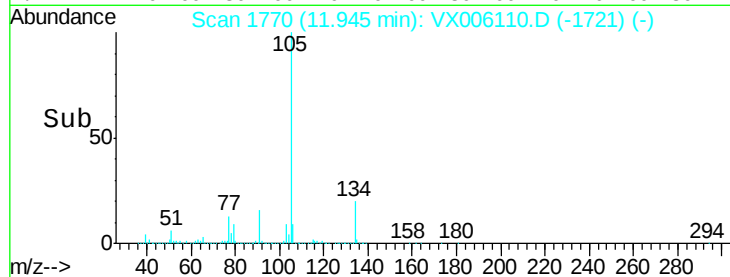
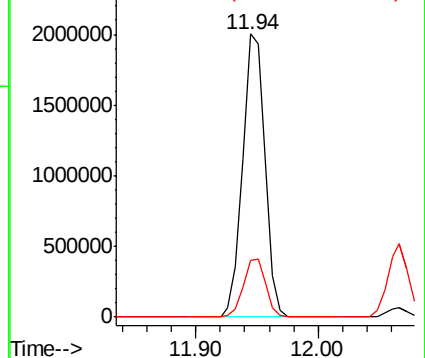
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 157.49 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX006110.D

Acq: 20 Nov 2018 19:29

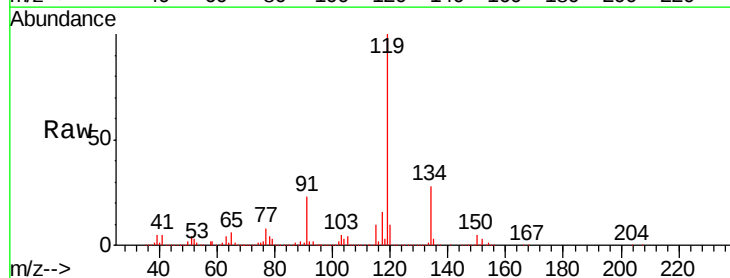
Tgt Ion:119 Resp: 2238433

Ion Ratio Lower Upper

119 100

134 27.3 13.1 39.3

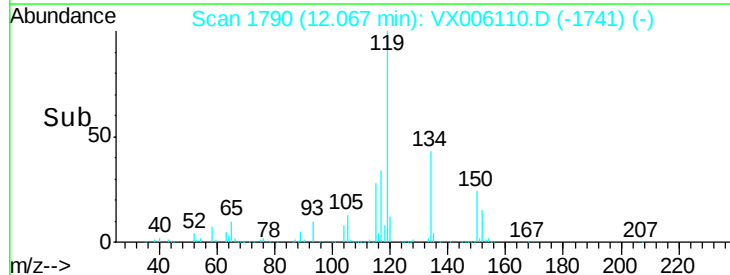
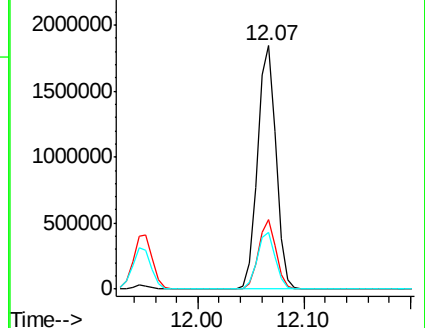
91 23.0 11.3 33.9

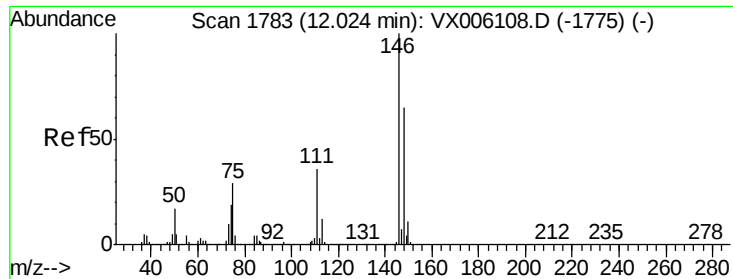


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





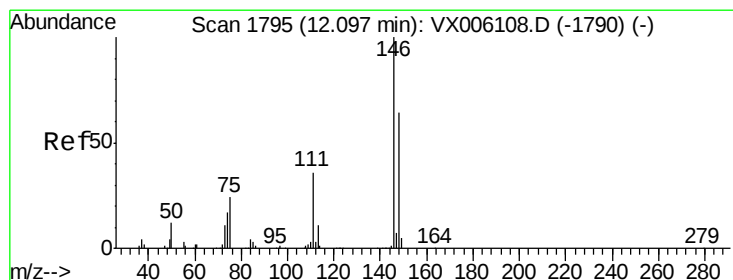
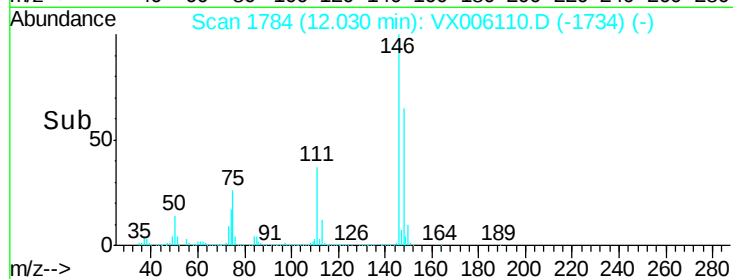
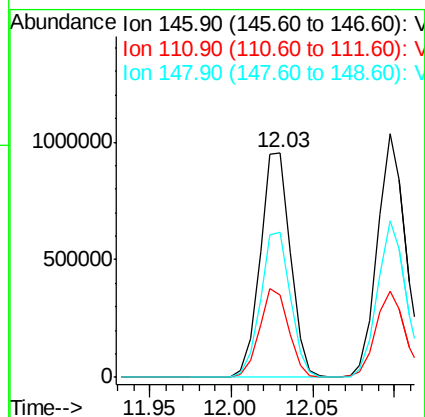
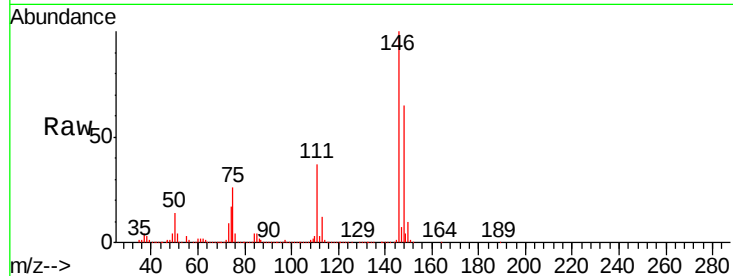
#87
 1,3-Dichlorobenzene
 Concen: 150.59 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. 0.01 min
 Lab File: VX006110.D
 Acq: 20 Nov 2018 19:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.8	56.3
148	64.3	32.2	96.6

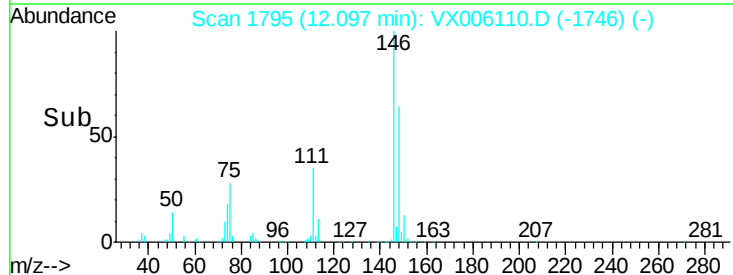
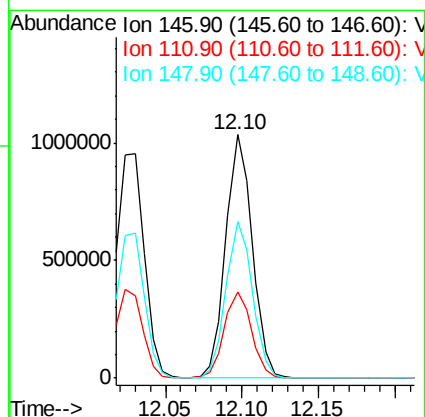
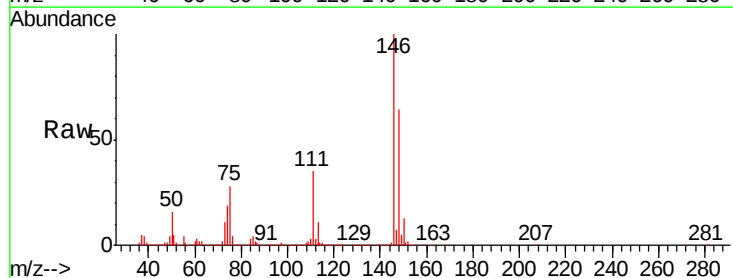
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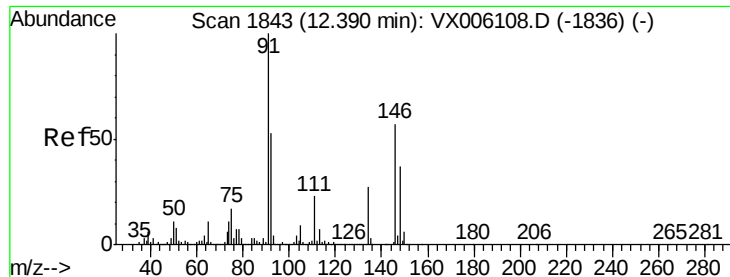
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#88
 1,4-Dichlorobenzene
 Concen: 146.82 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX006110.D
 Acq: 20 Nov 2018 19:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.3	54.9
148	64.5	32.2	96.6





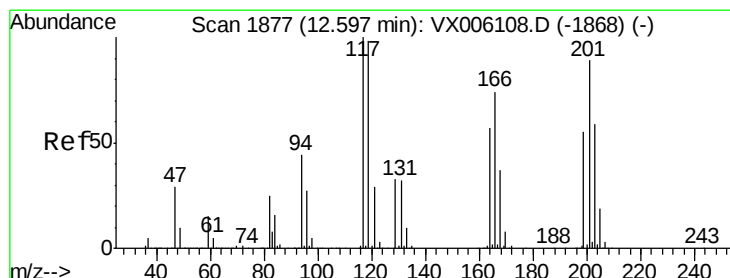
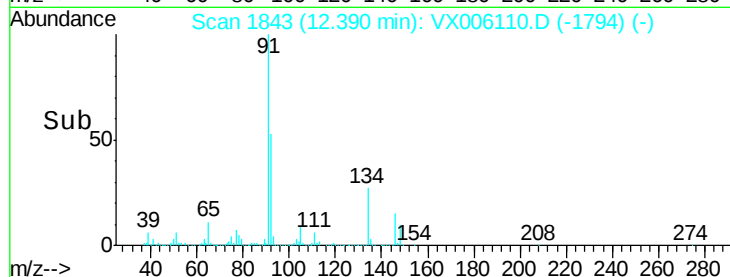
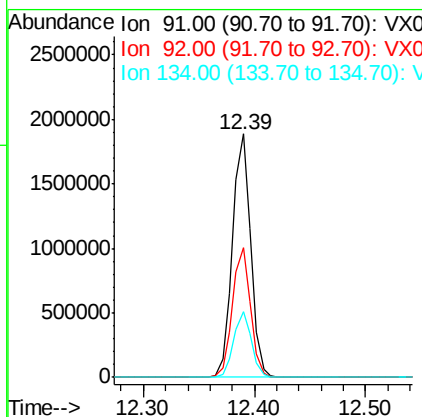
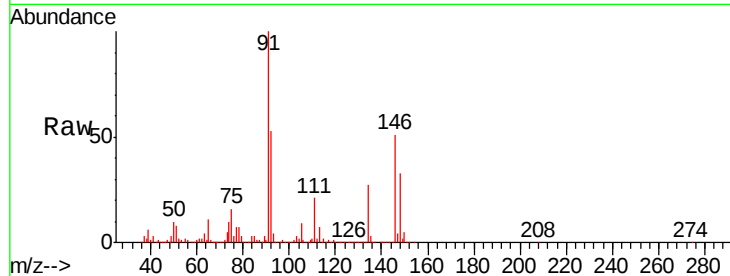
#89
n-Butylbenzene
Concen: 164.87 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX006110.D
Acq: 20 Nov 2018 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion: 91 Resp: 2121685
Ion Ratio Lower Upper
91 100
92 52.9 26.6 79.7
134 26.6 13.1 39.3

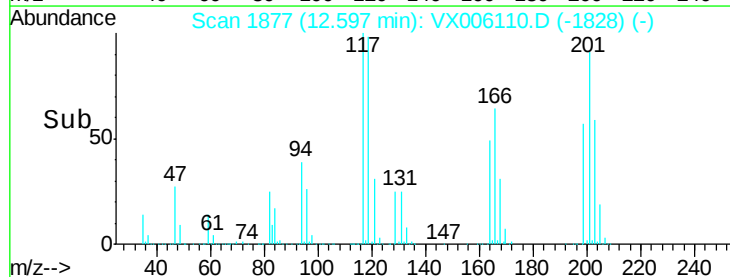
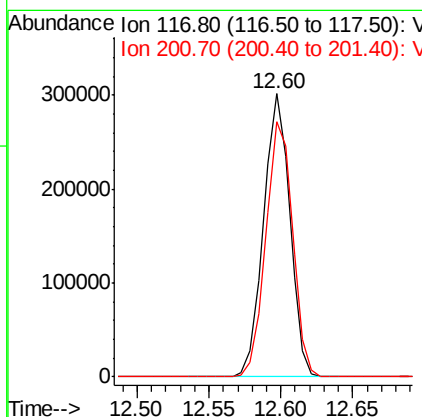
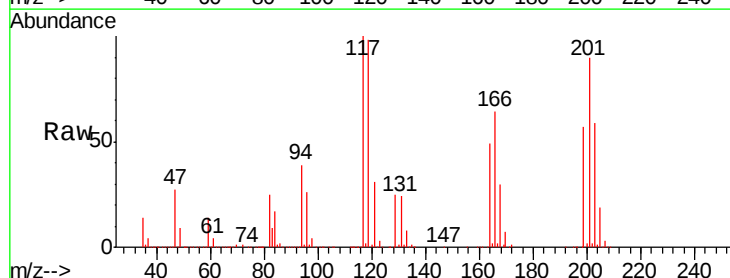
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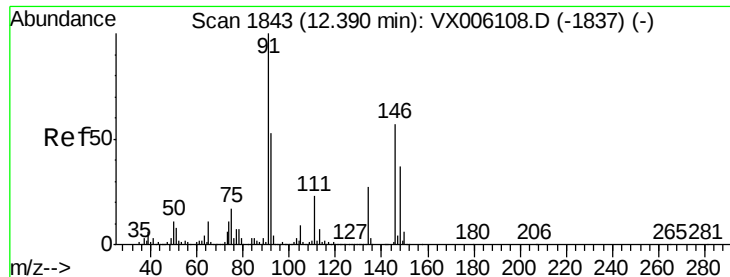
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#90
Hexachloroethane
Concen: 167.06 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006110.D
Acq: 20 Nov 2018 19:29

Tgt Ion: 117 Resp: 378923
Ion Ratio Lower Upper
117 100
201 92.6 46.1 138.2





#91

1,2-Dichlorobenzene

Concen: 150.22 ug/l

RT: 12.40 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VX006110.D

Acq: 20 Nov 2018 19:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 146 Resp: 1256110

Ion Ratio Lower Upper

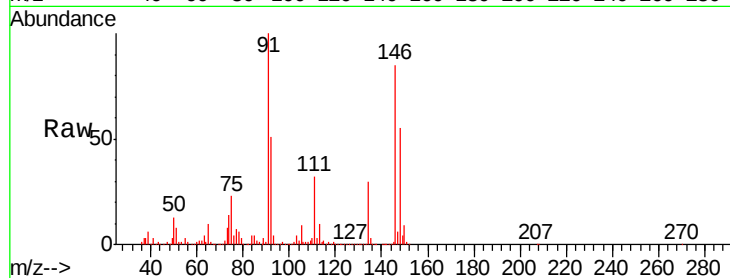
146 100

111 39.7 19.6 58.8

148 64.4 32.0 96.0

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Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

1200000

1000000

800000

600000

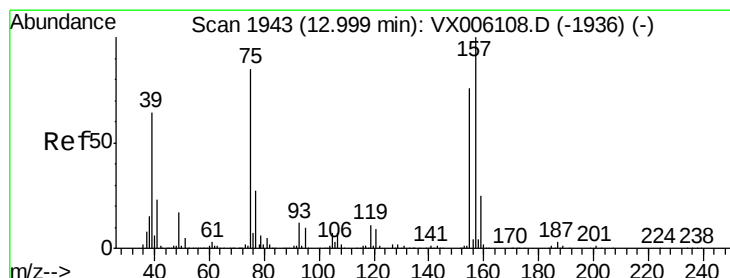
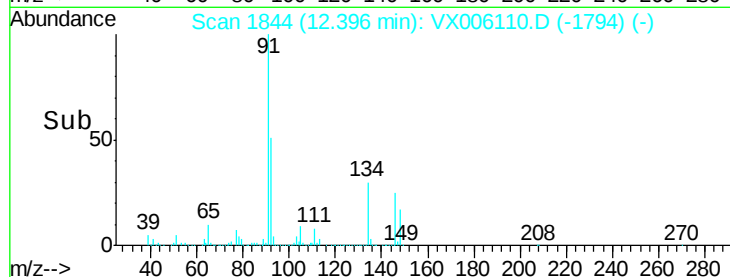
400000

200000

0

12.30 12.40 12.50

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 162.87 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX006110.D

Acq: 20 Nov 2018 19:29

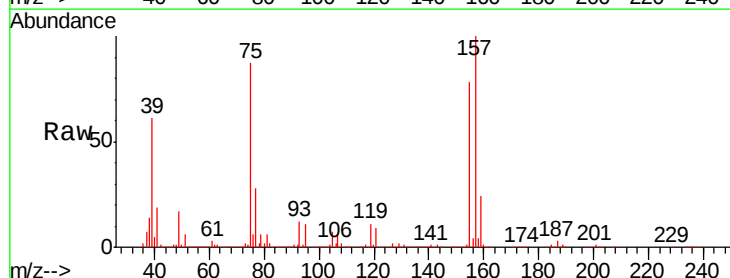
Tgt Ion: 75 Resp: 225525

Ion Ratio Lower Upper

75 100

155 92.3 46.1 138.3

157 119.9 59.8 179.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

250000

200000

150000

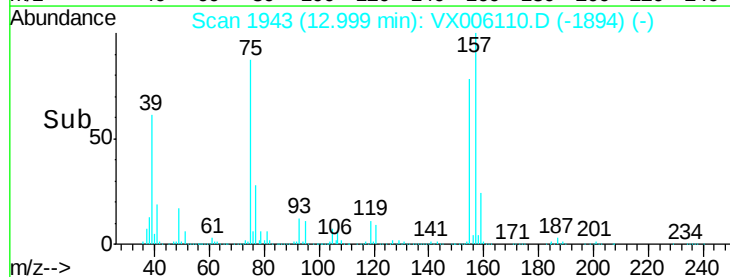
100000

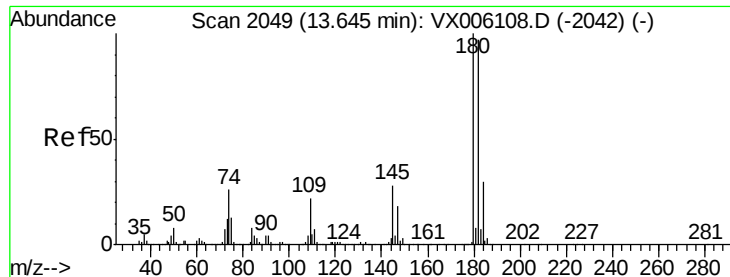
50000

0

12.95 13.00 13.05

Time-->





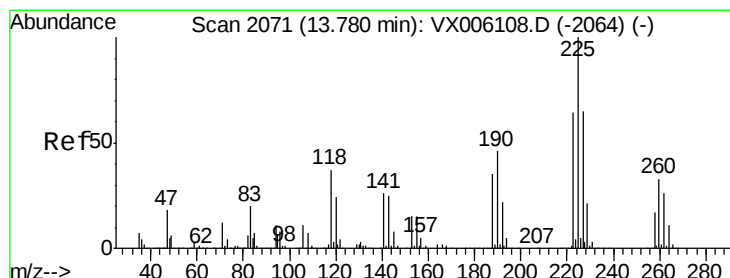
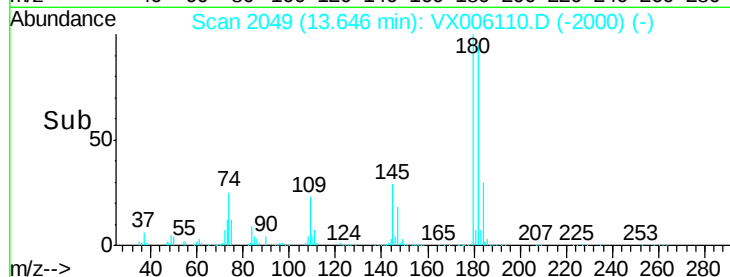
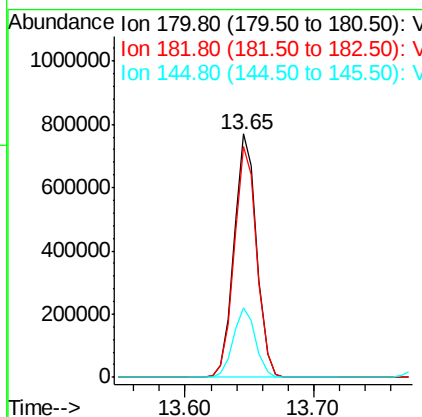
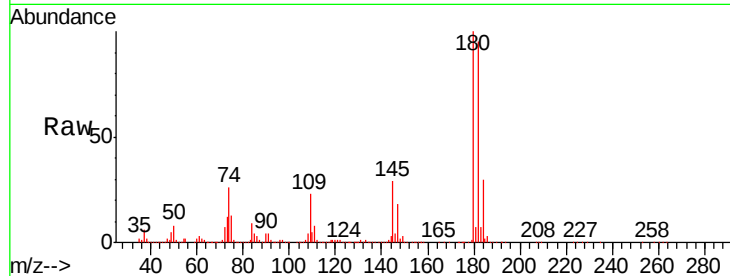
#93
 1,2,4-Trichlorobenzene
 Concen: 158.81 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX006110.D
 Acq: 20 Nov 2018 19:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	935451		
182	95.0	48.2	144.6	
145	28.4	14.1	42.2	

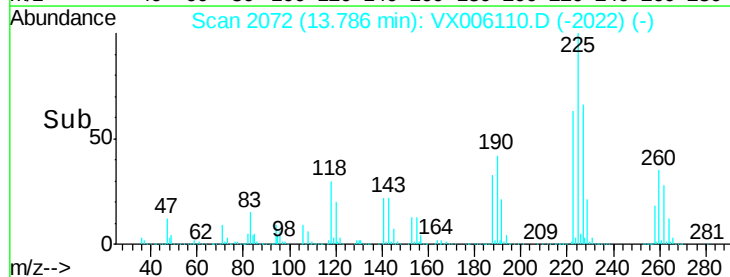
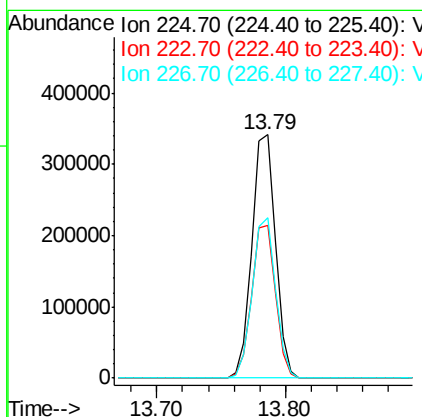
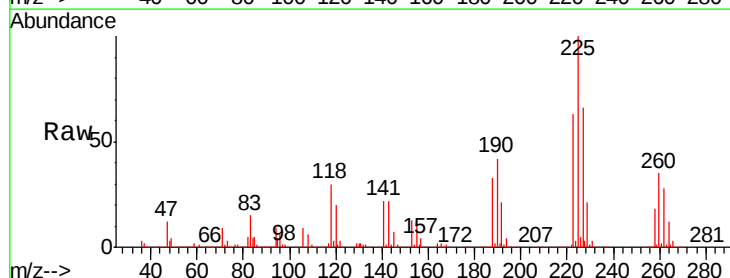
Manual Integrations
 APPROVED

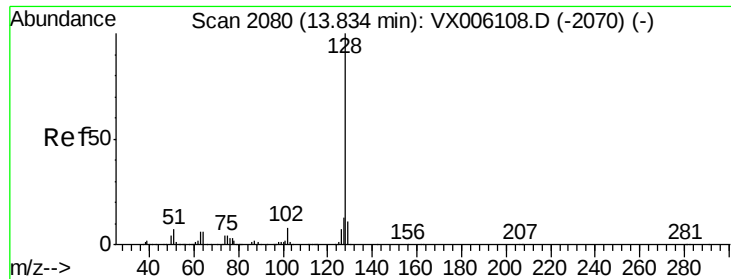
MMDadoda
 11/21/2018 10:37:28 AM



#94
 Hexachlorobutadiene
 Concen: 148.49 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VX006110.D
 Acq: 20 Nov 2018 19:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	426274		
223	62.9	31.2	93.6	
227	64.9	32.4	97.2	





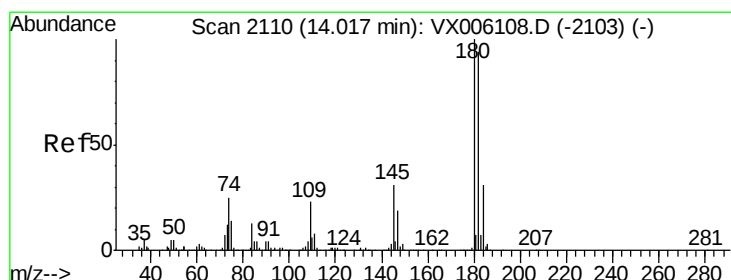
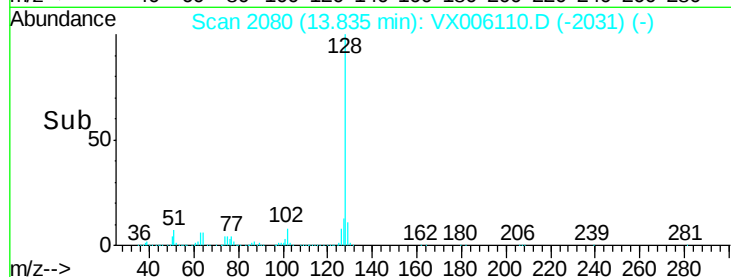
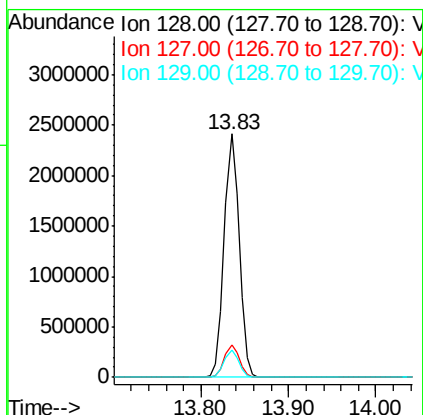
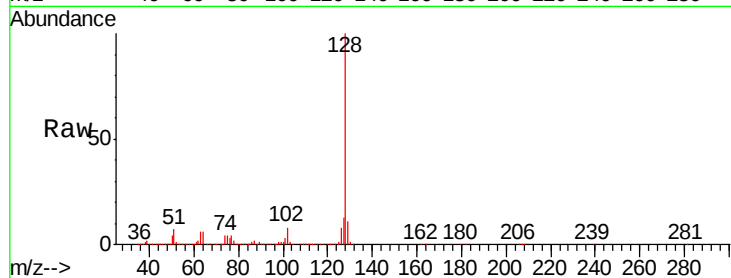
#95
Naphthalene
Concen: 164.62 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006110.D
Acq: 20 Nov 2018 19:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	11.0	8.8	13.2

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 153.83 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. 0.01 min
Lab File: VX006110.D
Acq: 20 Nov 2018 19:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.5	142.5
145	30.1	15.0	45.0

