

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032619\
 Data File : VX008468.D
 Acq On : 26 Mar 2019 20:41
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 10:42:04 AM

Quant Time: Mar 27 03:43:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	190800	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	329636	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	295528	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	143444	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	143546	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
35) Dibromofluoromethane	5.49	113	107185	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
50) Toluene-d8	8.71	98	428925	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
62) 4-Bromofluorobenzene	11.13	95	160959	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	99729	44.343	ug/l	100
3) Chloromethane	1.32	50	136581	48.098	ug/l	99
4) Vinyl Chloride	1.40	62	141779	45.150	ug/l	99
5) Bromomethane	1.64	94	67360	41.201	ug/l	97
6) Chloroethane	1.71	64	86487	46.492	ug/l	100
7) Trichlorofluoromethane	1.92	101	160899	45.241	ug/l	98
8) Diethyl Ether	2.18	74	77185	45.859	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	99868	46.464	ug/l	99
10) Methyl Iodide	2.51	142	103414	49.495	ug/l	99
11) Tert butyl alcohol	3.05	59	162972	254.297	ug/l	100
12) 1,1-Dichloroethene	2.37	96	103003	46.403	ug/l	98
13) Acrolein	2.29	56	135101	290.292	ug/l	100
14) Allyl chloride	2.73	41	229822	46.995	ug/l	99
15) Acrylonitrile	3.14	53	400316	238.215	ug/l	99
16) Acetone	2.44	43	340612	225.300	ug/l	100
17) Carbon Disulfide	2.56	76	300410	47.148	ug/l	99
18) Methyl Acetate	2.77	43	172891	47.616	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	390500	48.818	ug/l	98
20) Methylene Chloride	2.85	84	123738	50.151	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	109339	49.430	ug/l	96
22) Diisopropyl ether	3.85	45	463938	48.180	ug/l	97
23) Vinyl Acetate	3.81	43	2066381	245.969	ug/l	100
24) 1,1-Dichloroethane	3.70	63	230546	47.424	ug/l	99
25) 2-Butanone	4.67	43	577365	238.215	ug/l	100
26) 2,2-Dichloropropane	4.58	77	149354	46.191	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	127868	47.108	ug/l	100
28) Bromochloromethane	5.01	49	146027	60.800	ug/l	100
29) Tetrahydrofuran	5.13	42	378588	237.002	ug/l	100
30) Chloroform	5.21	83	209879	47.839	ug/l	99
31) Cyclohexane	5.58	56	216454	46.685	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	168920	48.169	ug/l	100
36) 1,1-Dichloropropene	5.80	75	160905	45.781	ug/l	99
37) Ethyl Acetate	4.83	43	219502	48.209	ug/l	100
38) Carbon Tetrachloride	5.78	117	139108	47.427	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	196402	46.759	ug/l	99
40) Benzene	6.14	78	496900	47.225	ug/l	100
41) Methacrylonitrile	5.04	41	126255	49.342	ug/l	99
42) 1,2-Dichloroethane	6.19	62	176904	45.920	ug/l	99
43) Isopropyl Acetate	6.44	43	354001	48.608	ug/l	100
44) Trichloroethene	7.21	130	113962	46.128	ug/l	98
45) 1,2-Dichloropropane	7.51	63	142748	47.730	ug/l	100
46) Dibromomethane	7.66	93	80885	46.314	ug/l	100
47) Bromodichloromethane	7.90	83	162638	48.653	ug/l	99
48) Methyl methacrylate	7.77	41	178971	49.113	ug/l	99
49) 1,4-Dioxane	7.74	88	71445	986.051	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	1169802	247.303	ug/l	100
52) Toluene	8.78	92	301567	47.933	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	180563	49.315	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	202878	48.728	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	122038	47.652	ug/l	99
56) Ethyl methacrylate	9.18	69	229457	49.635	ug/l	100
57) 1,3-Dichloropropane	9.37	76	217007	47.261	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	590817	247.241	ug/l	100
59) 2-Hexanone	9.49	43	915399	249.750	ug/l	100
60) Dibromochloromethane	9.58	129	119333	48.996	ug/l	99
61) 1,2-Dibromoethane	9.67	107	125754	48.116	ug/l	100
64) Tetrachloroethene	9.34	164	94051	47.009	ug/l	97
65) Chlorobenzene	10.13	112	303967	47.296	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	108942	49.132	ug/l	99
67) Ethyl Benzene	10.25	91	575658	47.460	ug/l	99
68) m/p-Xylenes	10.36	106	419103	94.979	ug/l	99
69) o-Xylene	10.69	106	204410	47.736	ug/l	100
70) Styrene	10.71	104	363325	49.120	ug/l	99
71) Bromoform	10.85	173	87335	49.875	ug/l	100
73) Isopropylbenzene	11.02	105	542013	46.445	ug/l	100
74) N-amyl acetate	10.90	43	339306	50.233	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	212914	47.023	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	176824m	41.464	ug/l	
77) Bromobenzene	11.26	156	128765	45.463	ug/l	99
78) n-propylbenzene	11.36	91	637675	46.646	ug/l	100
79) 2-Chlorotoluene	11.42	91	380623	45.776	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	462999	46.929	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	65873	49.474	ug/l	98
82) 4-Chlorotoluene	11.51	91	443796	46.271	ug/l	99
83) tert-Butylbenzene	11.77	119	455404	47.843	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	462867	46.384	ug/l	100
85) sec-Butylbenzene	11.94	105	531340	46.874	ug/l	100
86) p-Isopropyltoluene	12.06	119	473817	47.371	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	233398	46.122	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	233878	45.794	ug/l	99
89) n-Butylbenzene	12.38	91	448715	47.357	ug/l	100
90) Hexachloroethane	12.60	117	78844	47.316	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	238030	46.971	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	46572	47.172	ug/l	99

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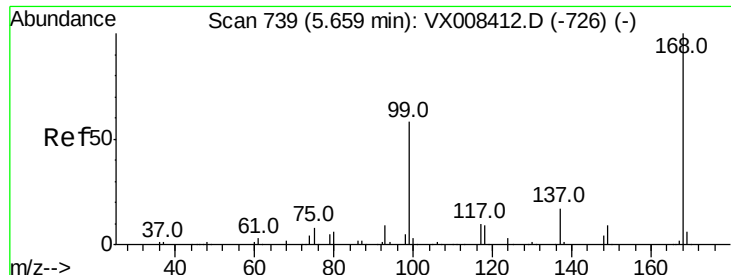
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	162832	47.726	ug/l	100
94) Hexachlorobutadiene	13.78	225	77368	47.757	ug/l	99
95) Naphthalene	13.83	128	563588	48.181	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	162280	47.334	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX008468.D

Acq: 26 Mar 2019 20:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 190800

Ion Ratio Lower Upper

168 100

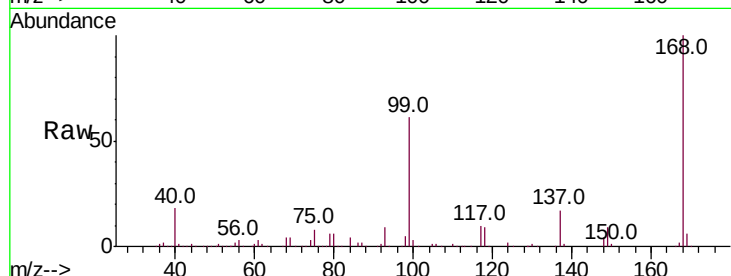
99 60.8 46.0 69.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

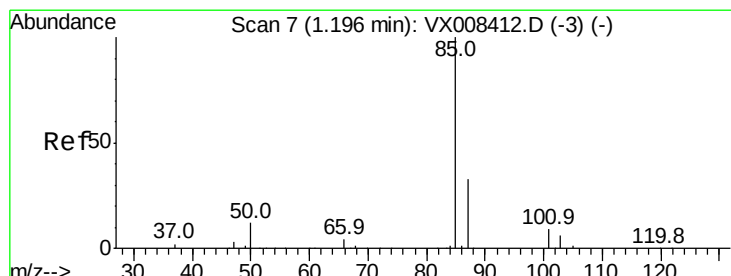
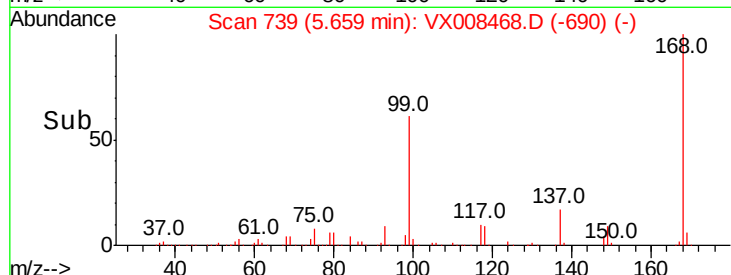
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 44.343 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008468.D

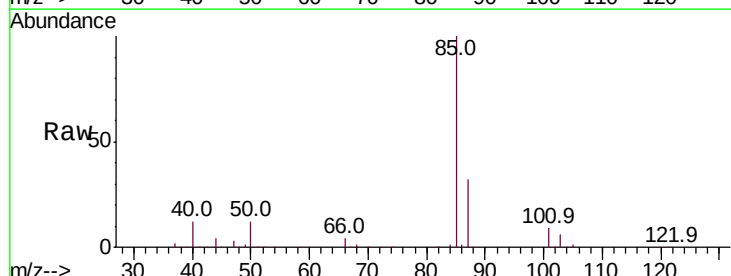
Acq: 26 Mar 2019 20:41

Tgt Ion: 85 Resp: 99729

Ion Ratio Lower Upper

85 100

87 32.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

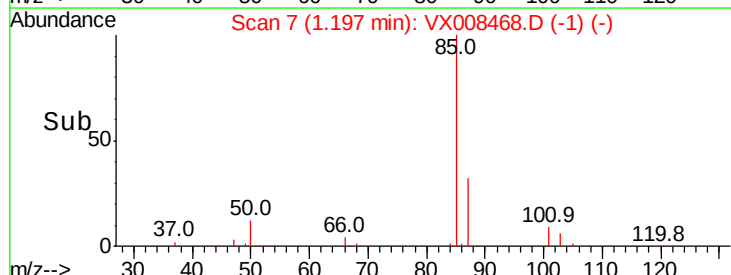
60000

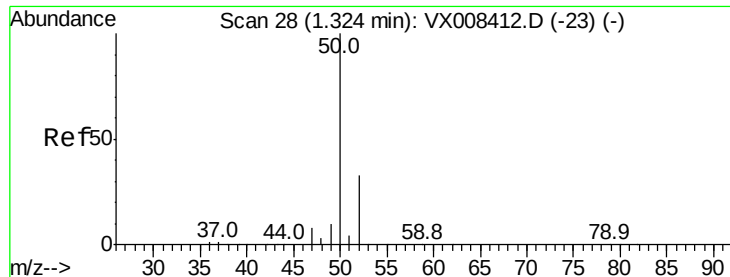
40000

20000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 48.098 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008468.D

Acq: 26 Mar 2019 20:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 136581

Ion Ratio Lower Upper

50 100

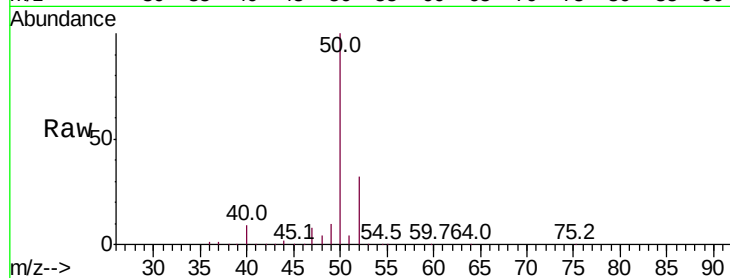
52 32.0 26.2 39.2

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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

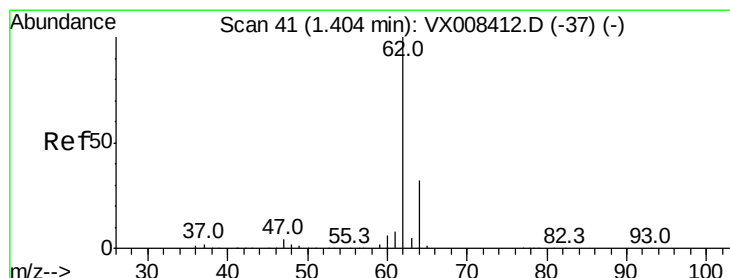
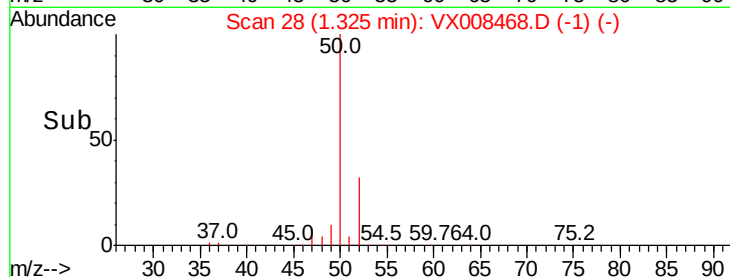
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 45.150 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX008468.D

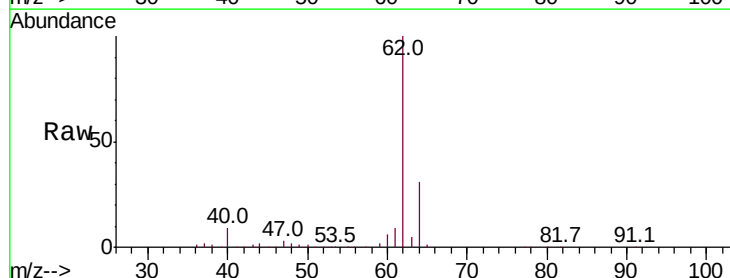
Acq: 26 Mar 2019 20:41

Tgt Ion: 62 Resp: 141779

Ion Ratio Lower Upper

62 100

64 31.3 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

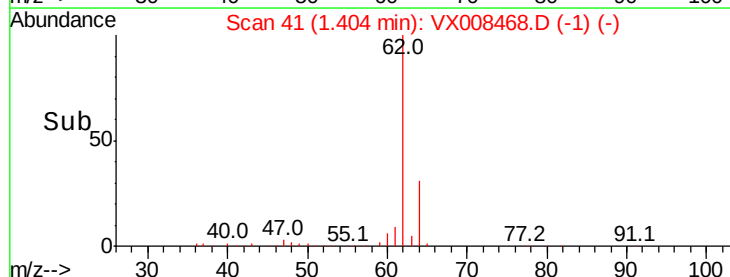
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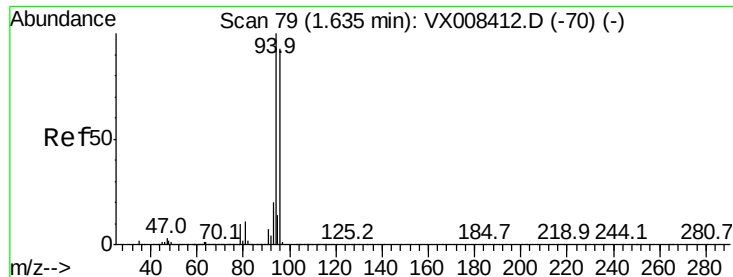
100000

50000

0

Time-->





#5

Bromomethane

Concen: 41.201 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008468.D

Acq: 26 Mar 2019 20:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 67360

Ion Ratio Lower Upper

94 100

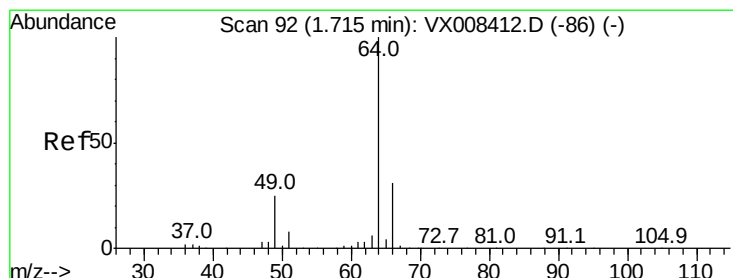
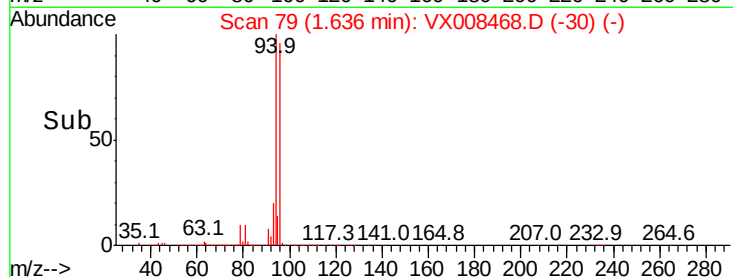
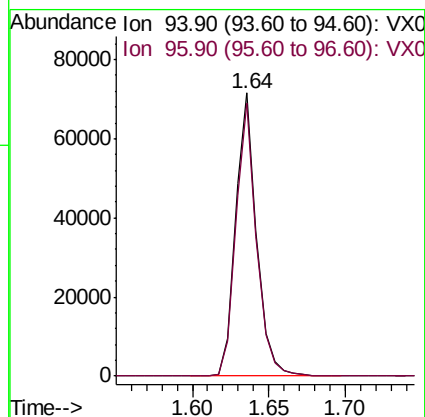
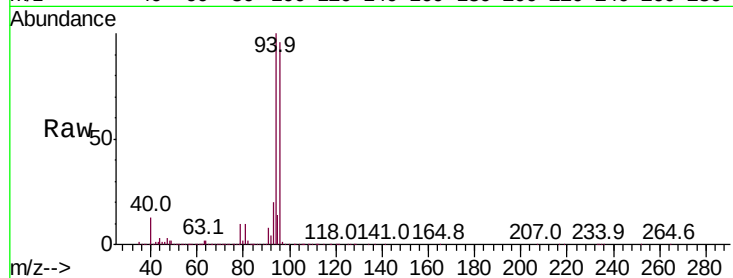
96 96.4 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 46.492 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX008468.D

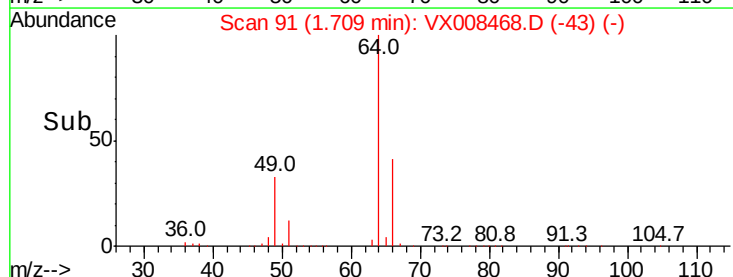
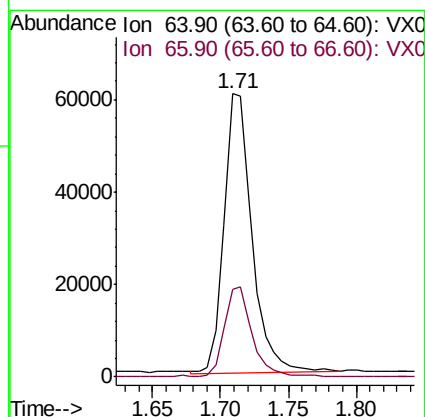
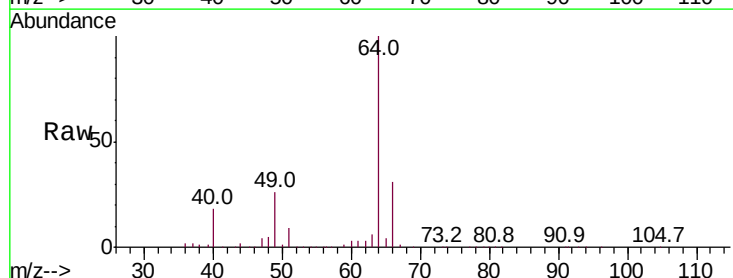
Acq: 26 Mar 2019 20:41

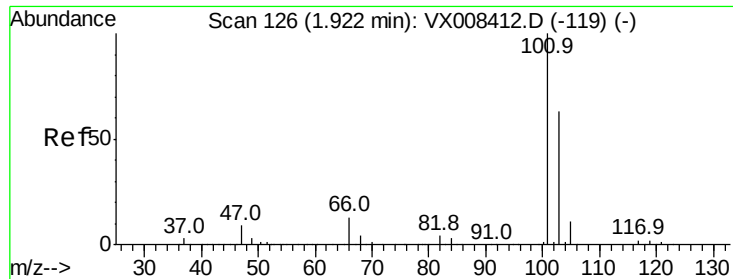
Tgt Ion: 64 Resp: 86487

Ion Ratio Lower Upper

64 100

66 31.3 25.1 37.7





#7

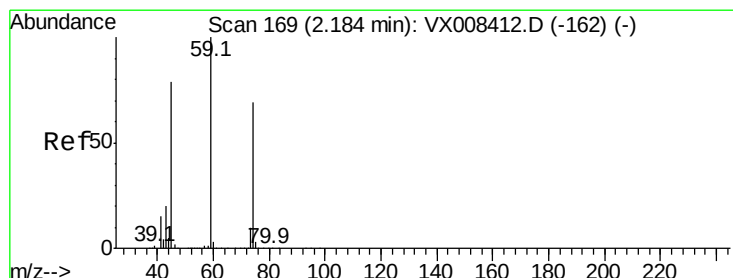
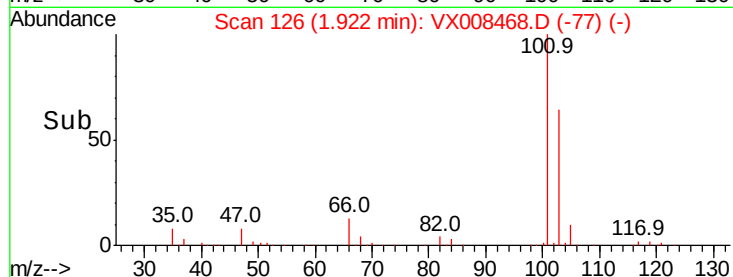
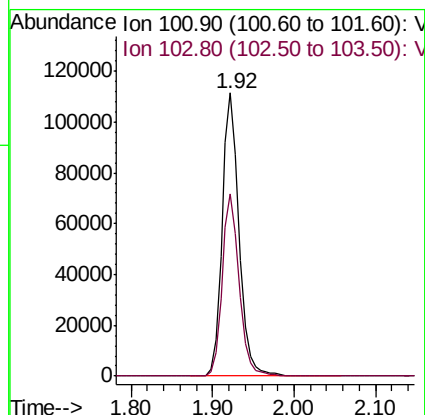
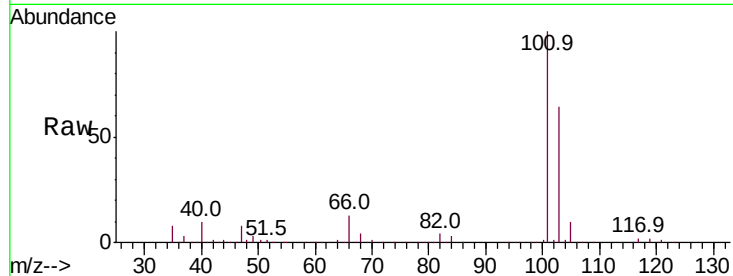
Trichlorofluoromethane
Concen: 45.241 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX008468.D
Acq: 26 Mar 2019 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 160899
Ion Ratio Lower Upper
101 100
103 64.3 50.2 75.4

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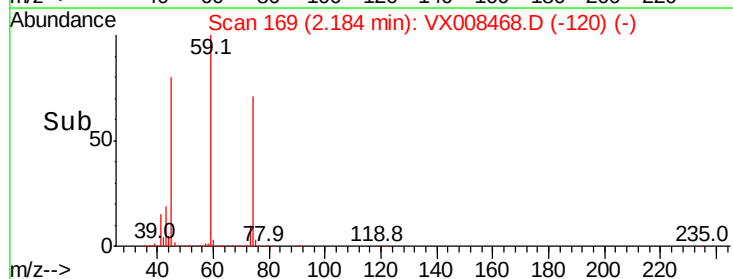
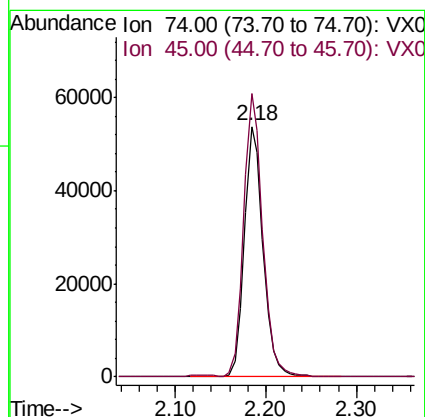
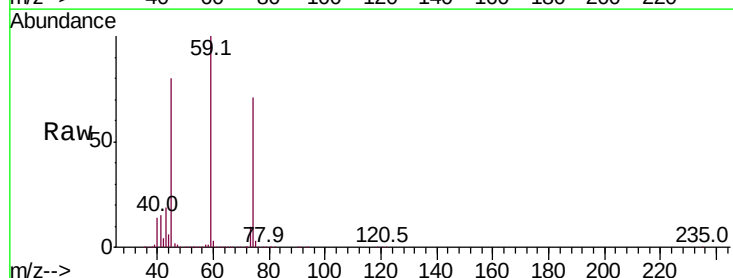
MMDadoda
3/27/2019 10:42:04 AM

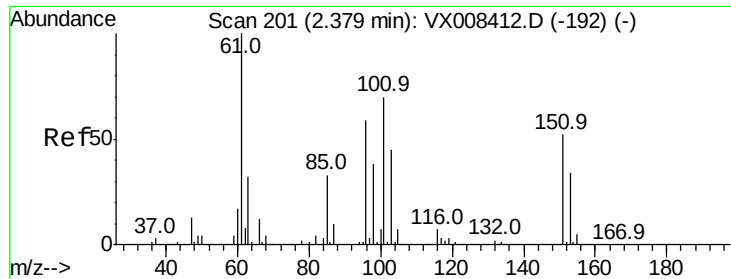


#8

Diethyl Ether
Concen: 45.859 ug/l
RT: 2.18 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX008468.D
Acq: 26 Mar 2019 20:41

Tgt Ion: 74 Resp: 77185
Ion Ratio Lower Upper
74 100
45 113.5 56.4 169.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.464 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX008468.D

Acq: 26 Mar 2019 20:41

Instrument :

MSVOA_X

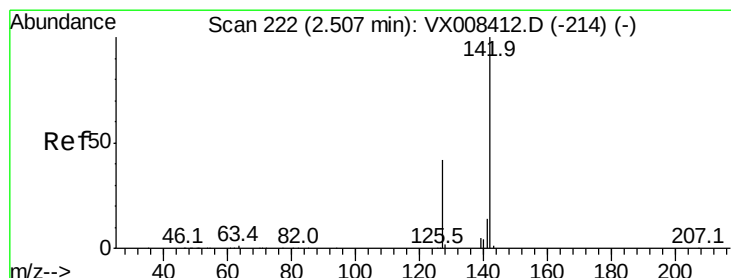
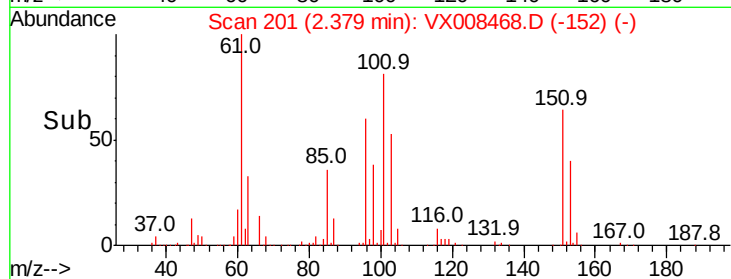
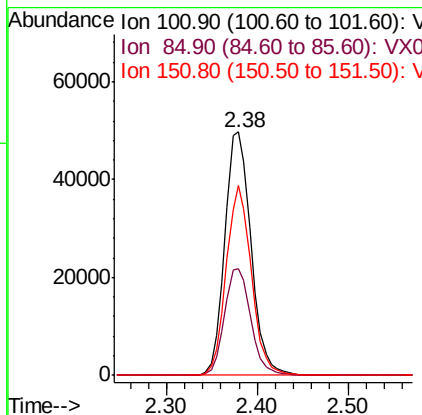
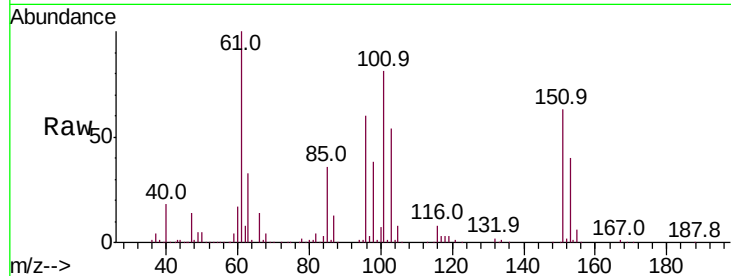
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	99868
Ion Ratio	Lower	Upper	
101	100		
85	44.0	36.0	54.0
151	75.0	59.2	88.8

Manual Integrations
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#10

Methyl Iodide

Concen: 49.495 ug/l

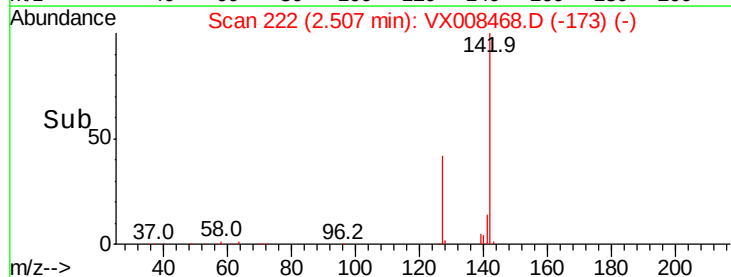
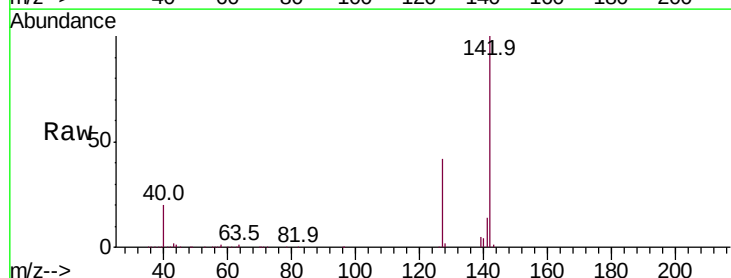
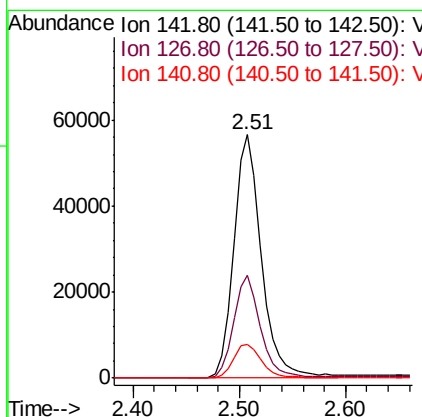
RT: 2.51 min Scan# 222

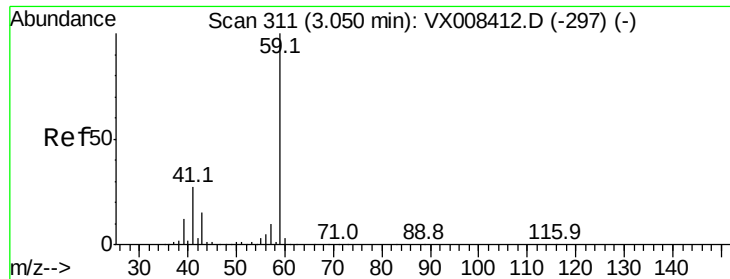
Delta R.T. 0.00 min

Lab File: VX008468.D

Acq: 26 Mar 2019 20:41

Tgt Ion:	142	Resp:	103414
Ion Ratio	Lower	Upper	
142	100		
127	41.1	33.6	50.4
141	14.3	11.3	16.9





#11

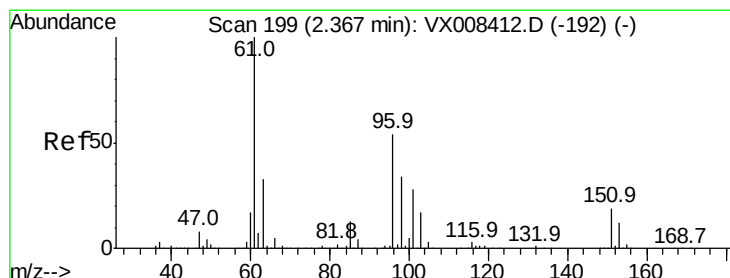
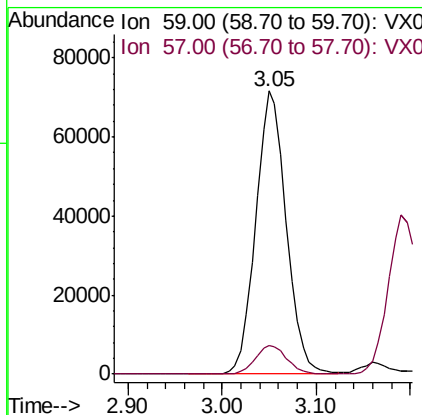
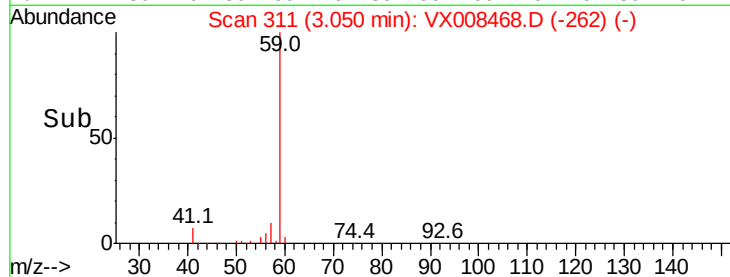
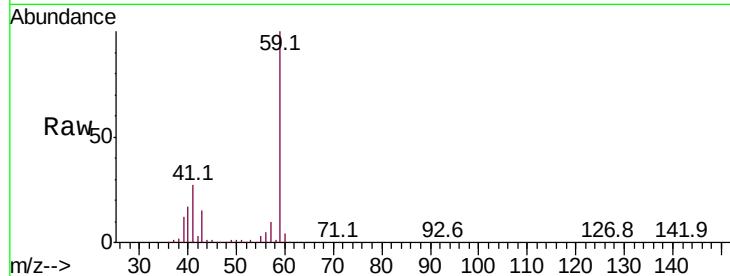
Tert butyl alcohol
Concen: 254.297 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX008468.D
Acq: 26 Mar 2019 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	162972
Ion Ratio	100	Lower	Upper
57	10.4	8.2	12.4

Manual Integrations
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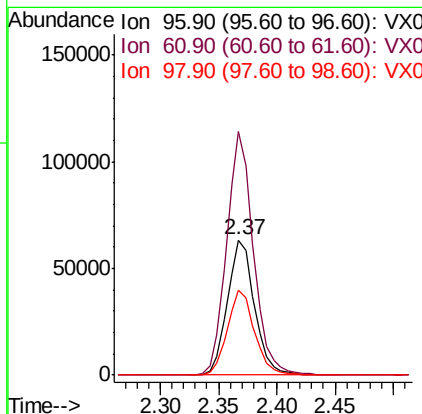
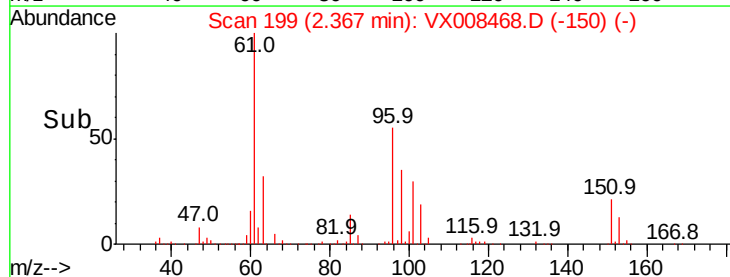
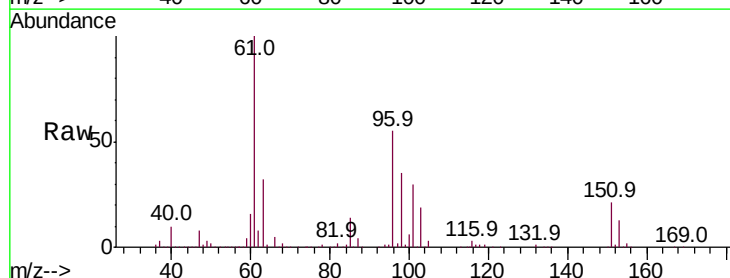
MMDadoda
3/27/2019 10:42:04 AM

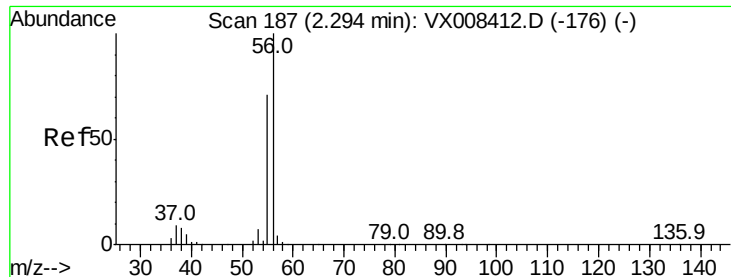


#12

1,1-Dichloroethene
Concen: 46.403 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX008468.D
Acq: 26 Mar 2019 20:41

Tgt Ion	96	Resp	103003
Ion Ratio	100	Lower	Upper
61	180.3	146.9	220.3
98	62.5	50.1	75.1





#13

Acrolein

Concen: 290.292 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008468.D

Acq: 26 Mar 2019 20:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 135101

Ion Ratio Lower Upper

56 100

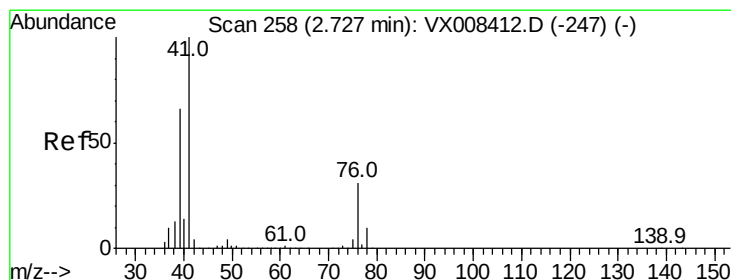
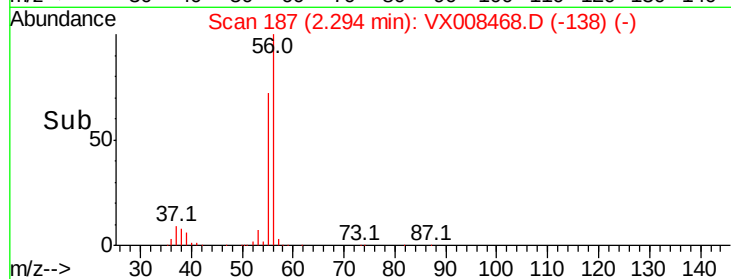
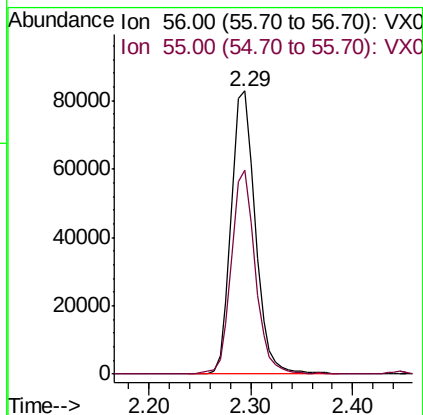
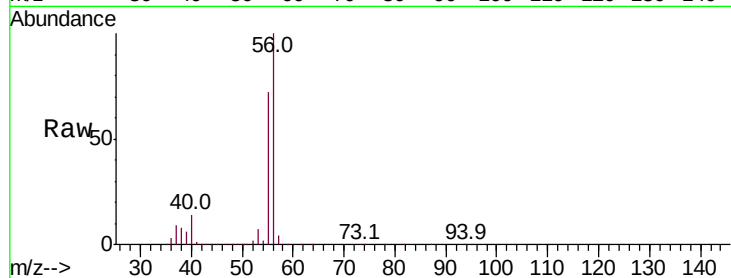
55 70.9 56.5 84.7

Manual Integrations

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#14

Allyl chloride

Concen: 46.995 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX008468.D

Acq: 26 Mar 2019 20:41

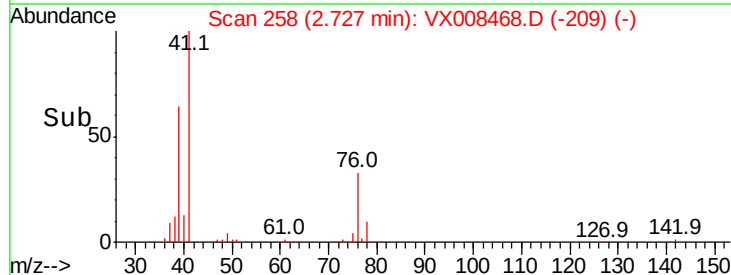
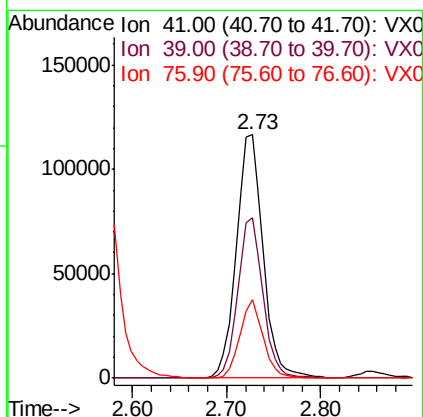
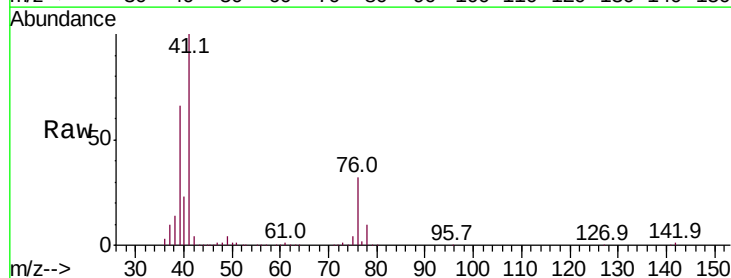
Tgt Ion: 41 Resp: 229822

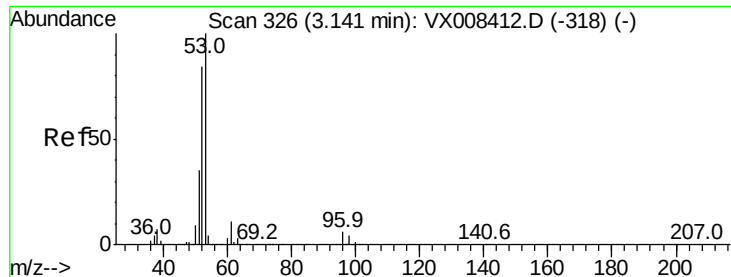
Ion Ratio Lower Upper

41 100

39 61.6 49.6 74.4

76 27.7 22.6 34.0





#15

Acrylonitrile

Concen: 238.215 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX008468.D

Acq: 26 Mar 2019 20:41

Instrument :

MSVOA_X

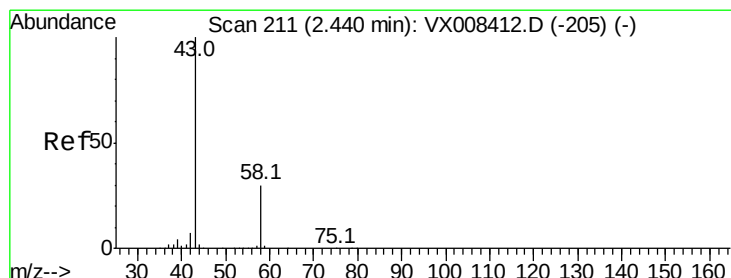
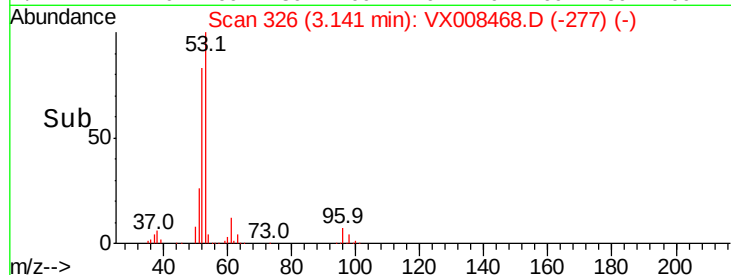
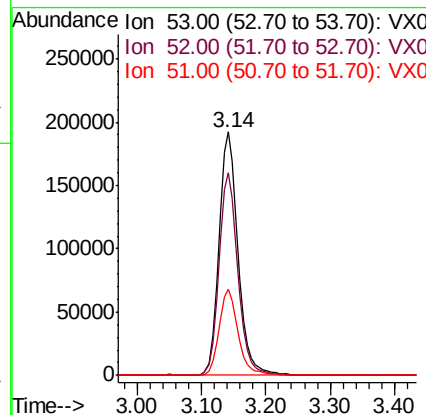
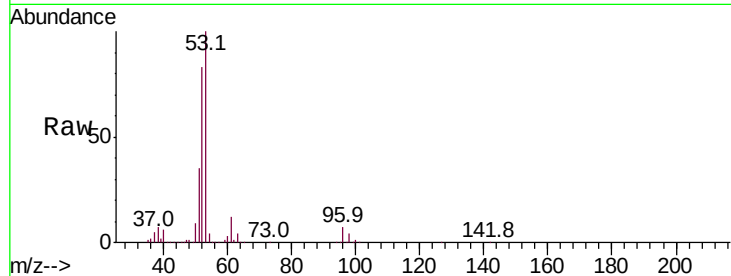
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	400316
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.5	99.7
51	35.3	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 225.300 ug/l

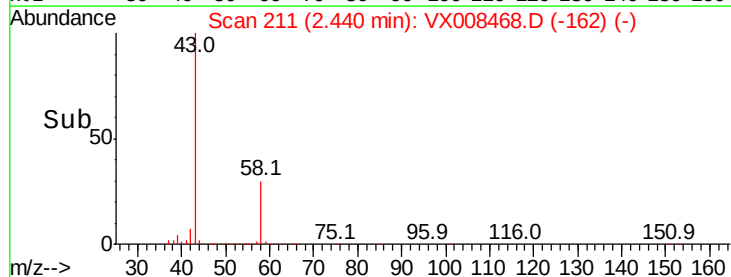
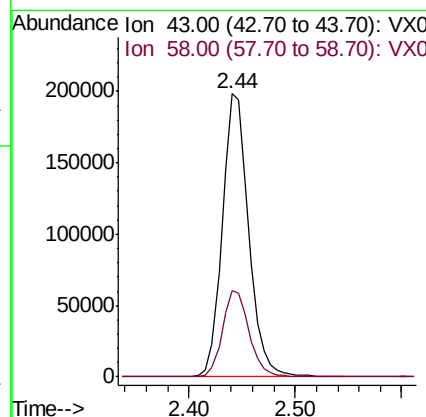
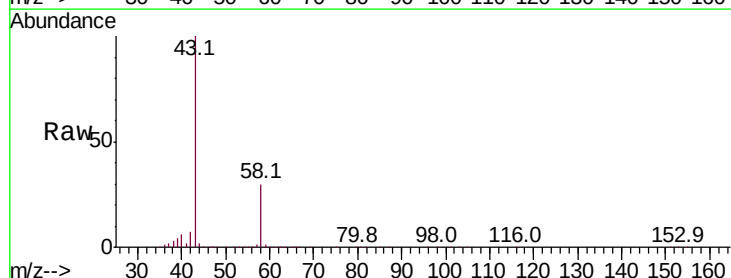
RT: 2.44 min Scan# 211

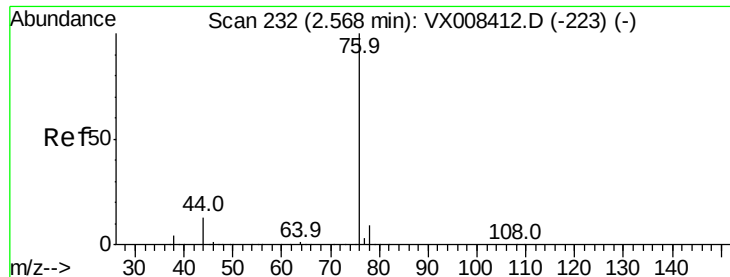
Delta R.T. 0.00 min

Lab File: VX008468.D

Acq: 26 Mar 2019 20:41

Tgt Ion:	43	Resp:	340612
Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.2	36.2





#17

Carbon Disulfide

Concen: 47.148 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX008468.D

Acq: 26 Mar 2019 20:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 300410

Ion Ratio Lower Upper

76 100

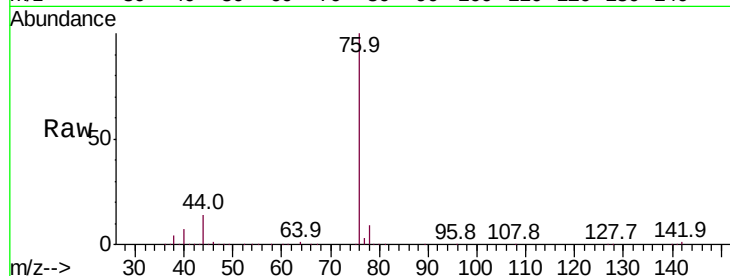
78 8.9 7.4 11.2

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

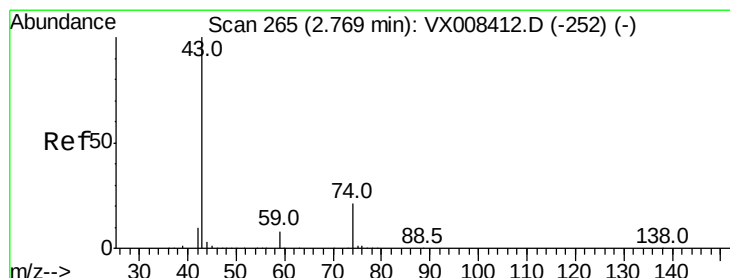
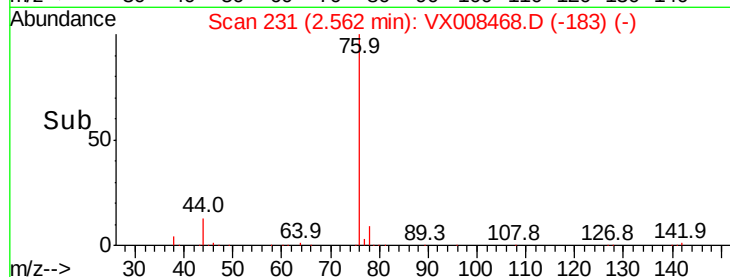
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 47.616 ug/l

RT: 2.77 min Scan# 265

Delta R.T. 0.00 min

Lab File: VX008468.D

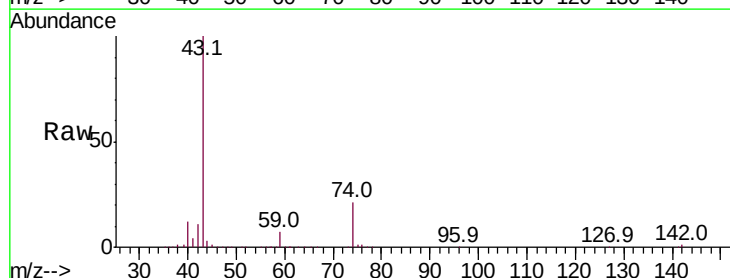
Acq: 26 Mar 2019 20:41

Tgt Ion: 43 Resp: 172891

Ion Ratio Lower Upper

43 100

74 21.3 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.77

100000

80000

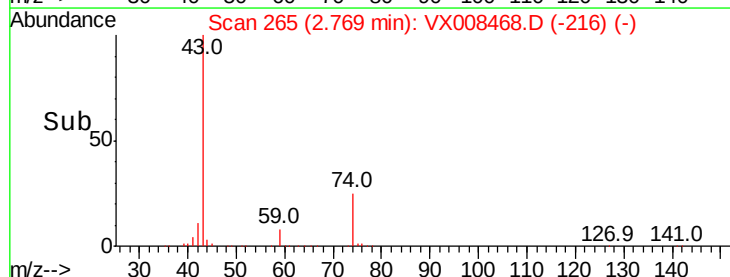
60000

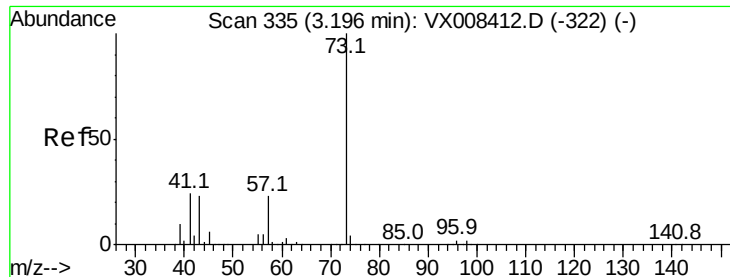
40000

20000

0

Time-->





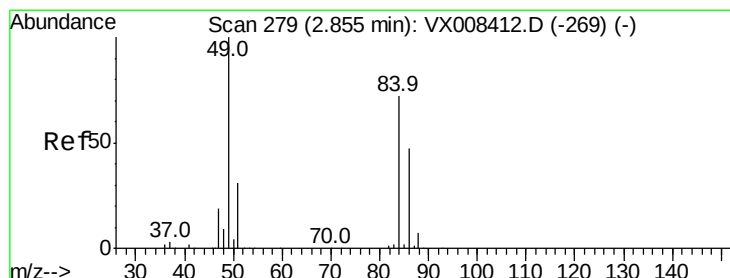
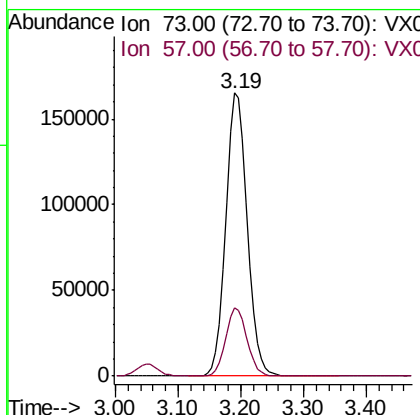
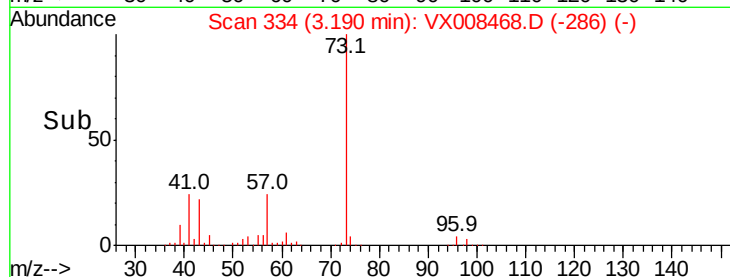
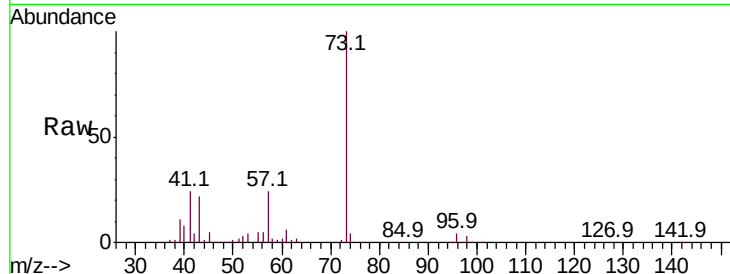
#19
Methyl tert-butyl Ether
Concen: 48.818 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX008468.D
Acq: 26 Mar 2019 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.4	18.6	28.0

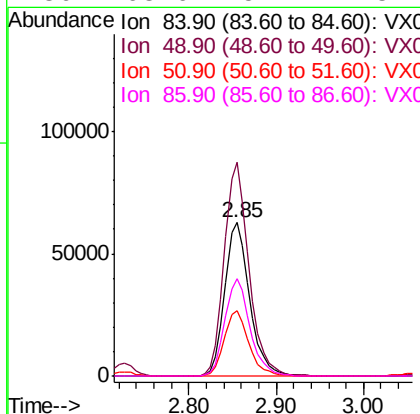
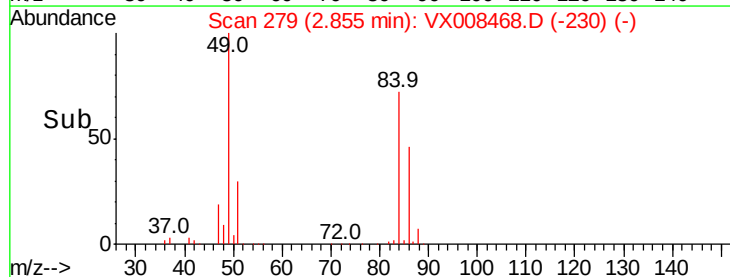
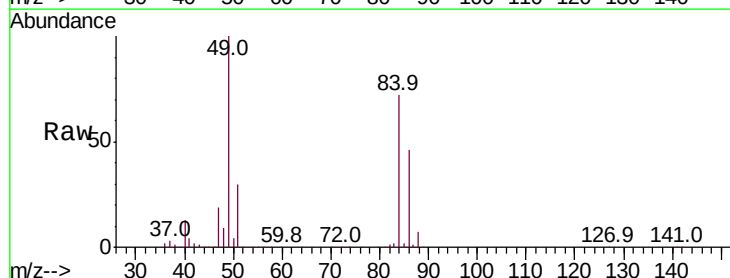
Manual Integrations
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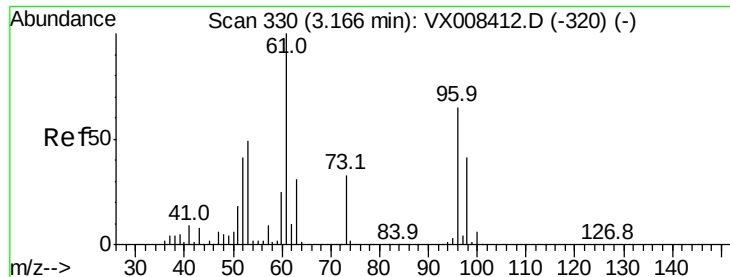
MMDadoda
3/27/2019 10:42:04 AM



#20
Methylene Chloride
Concen: 50.151 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX008468.D
Acq: 26 Mar 2019 20:41

Tgt Ion	Ratio	Lower	Upper
84	100		
49	139.1	110.6	165.8
51	42.3	33.9	50.9
86	63.6	52.2	78.2





#21

trans-1,2-Dichloroethene

Concen: 49.430 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX008468.D

Acq: 26 Mar 2019 20:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 109339

Ion Ratio Lower Upper

96 100

61 159.7 122.6 184.0

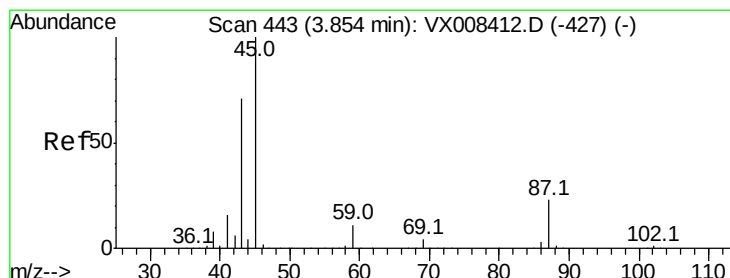
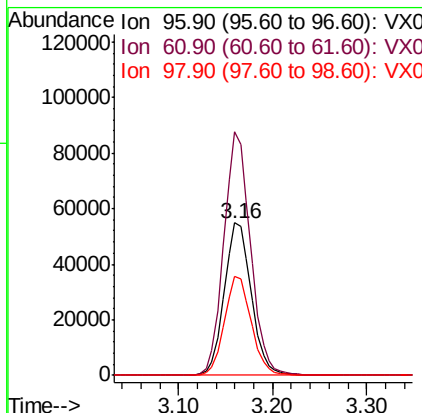
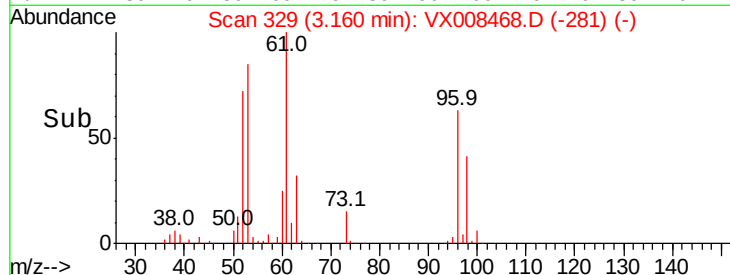
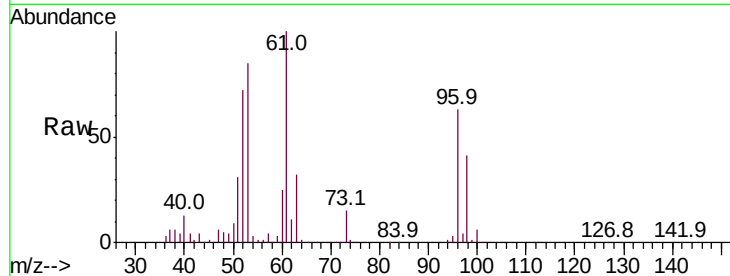
98 64.8 50.9 76.3

Manual Integrations

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#22

Diisopropyl ether

Concen: 48.180 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX008468.D

Acq: 26 Mar 2019 20:41

Tgt Ion: 45 Resp: 463938

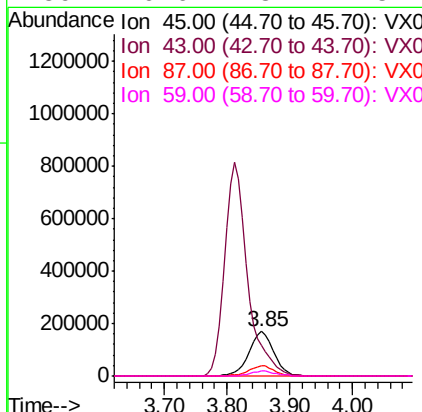
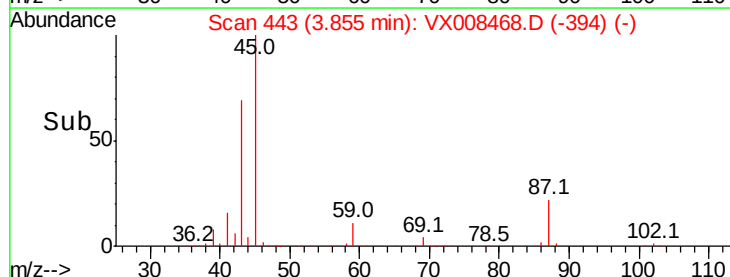
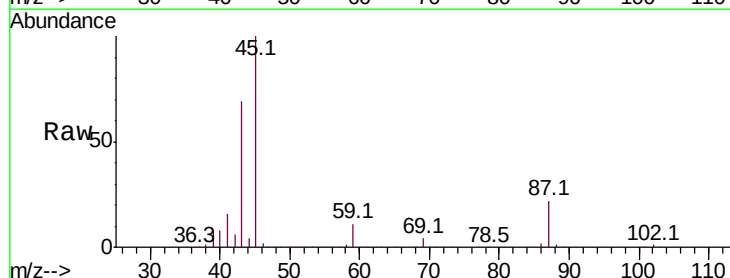
Ion Ratio Lower Upper

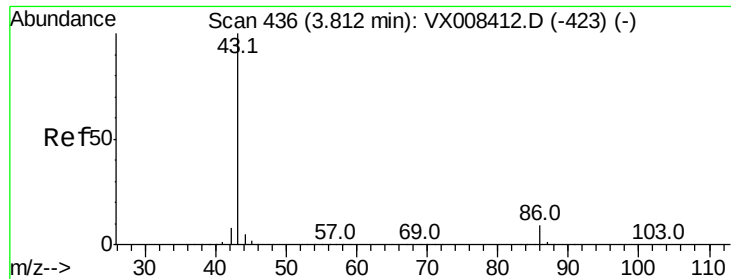
45 100

43 68.9 57.1 85.7

87 22.4 18.8 28.2

59 10.6 8.7 13.1





#23

Vinyl Acetate

Concen: 245.969 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX008468.D

Acq: 26 Mar 2019 20:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2066381

Ion Ratio Lower Upper

43 100

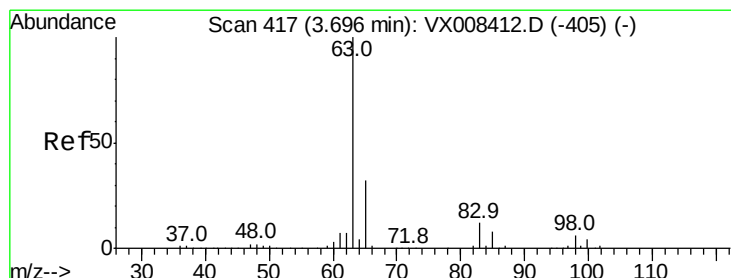
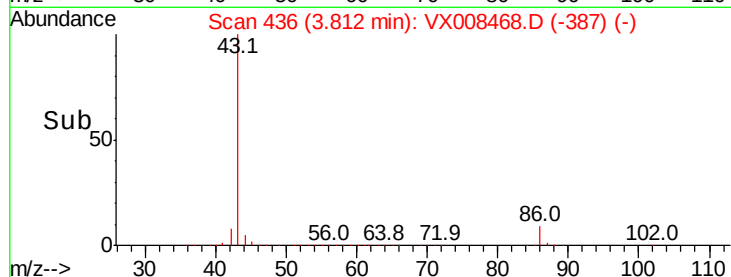
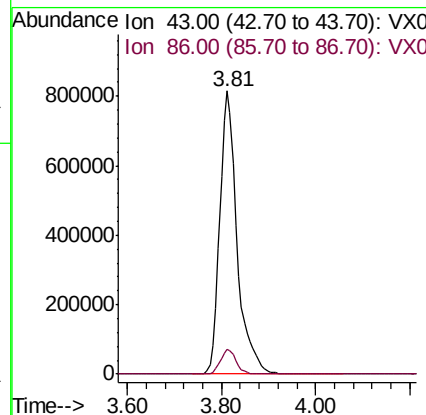
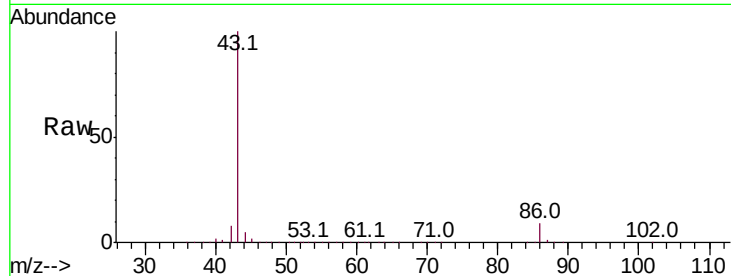
86 8.7 6.9 10.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 47.424 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008468.D

Acq: 26 Mar 2019 20:41

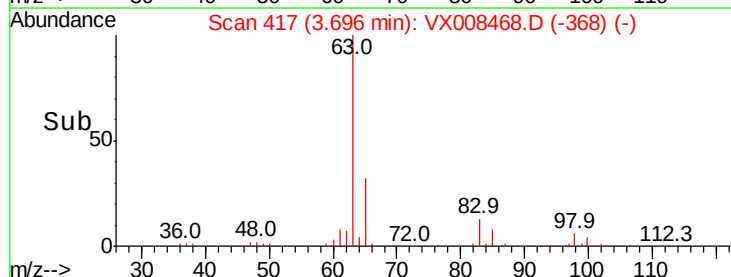
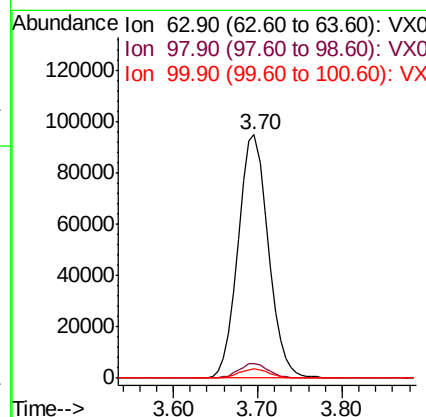
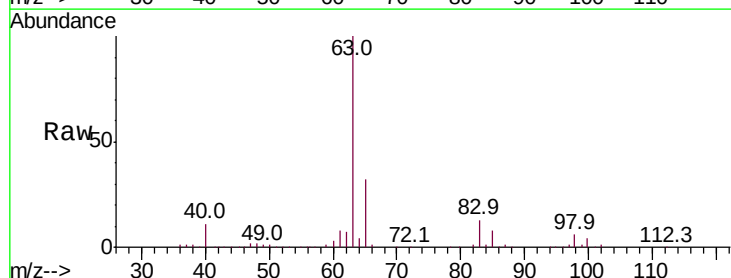
Tgt Ion: 63 Resp: 230546

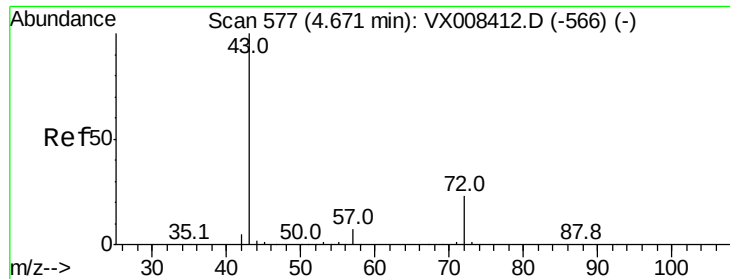
Ion Ratio Lower Upper

63 100

98 5.9 3.2 9.6

100 4.0 2.0 5.8





#25

2-Butanone

Concen: 238.215 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX008468.D

Acq: 26 Mar 2019 20:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 577365

Ion Ratio Lower Upper

43 100

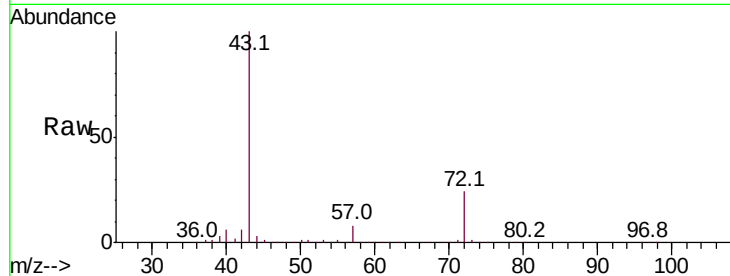
72 23.5 18.6 28.0

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

4.67

200000

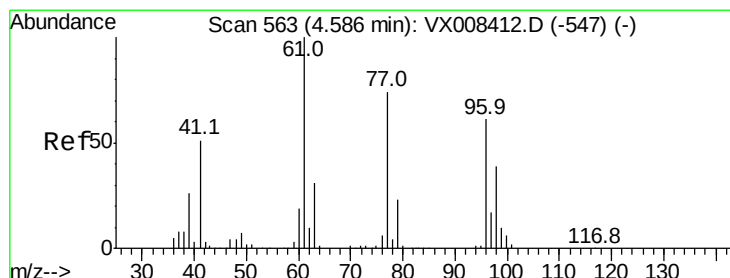
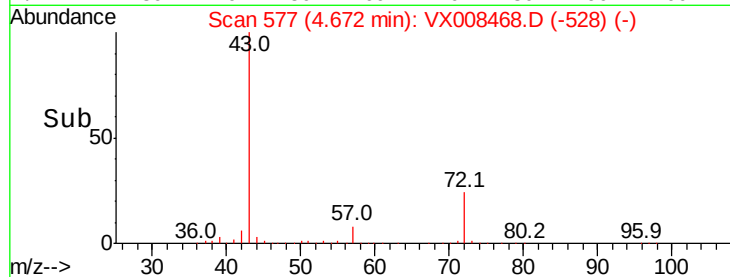
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 46.191 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008468.D

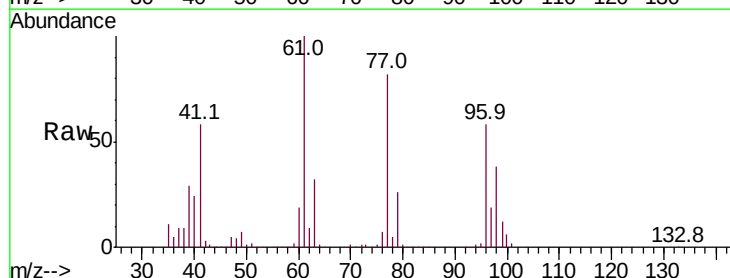
Acq: 26 Mar 2019 20:41

Tgt Ion: 77 Resp: 149354

Ion Ratio Lower Upper

77 100

97 23.1 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.58

50000

40000

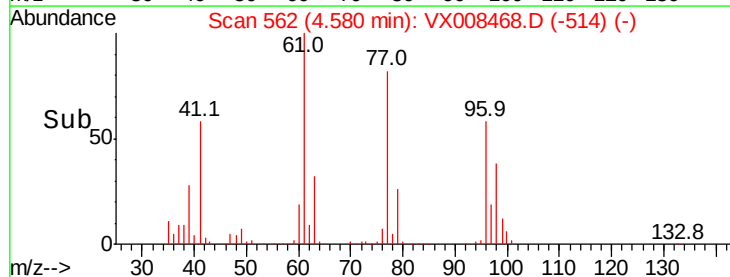
30000

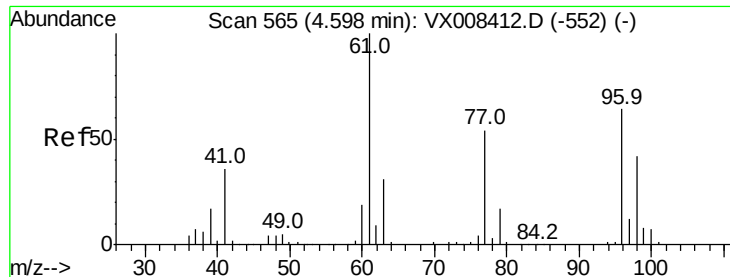
20000

10000

0

Time-->





#27

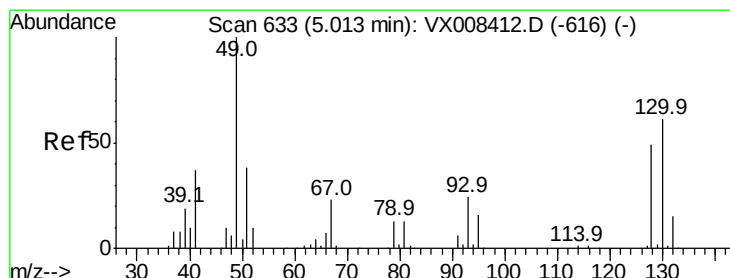
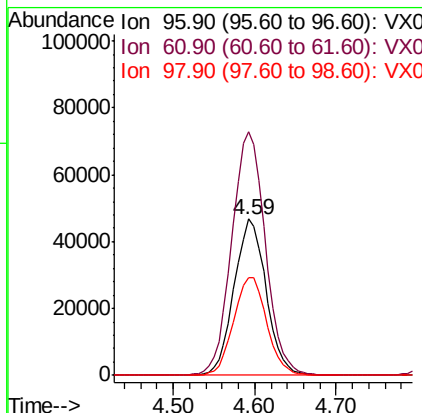
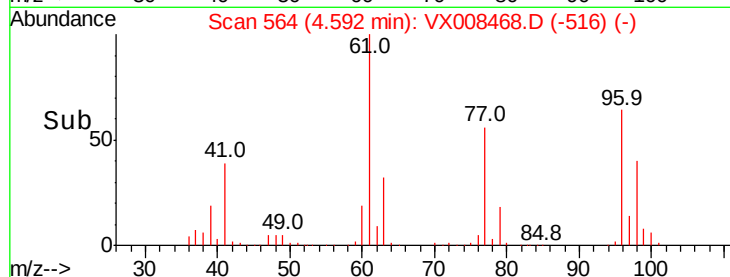
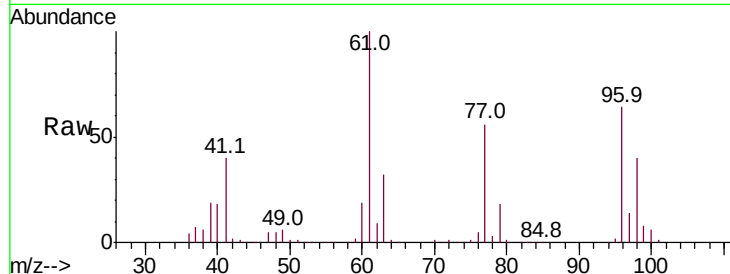
cis-1,2-Dichloroethene
 Concen: 47.108 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX008468.D
 Acq: 26 Mar 2019 20:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.7	0.0	325.6
98	64.6	0.0	130.0

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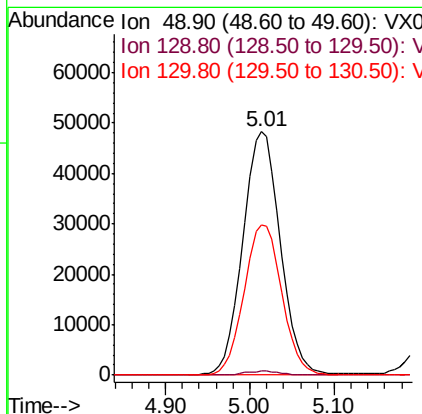
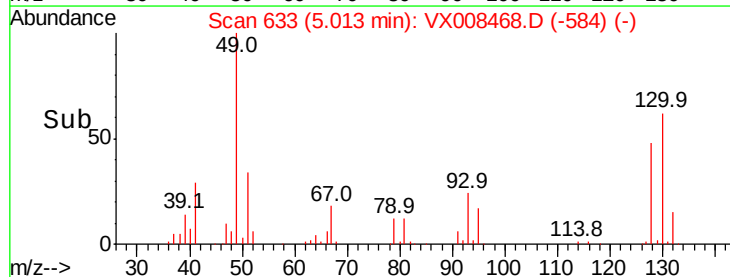
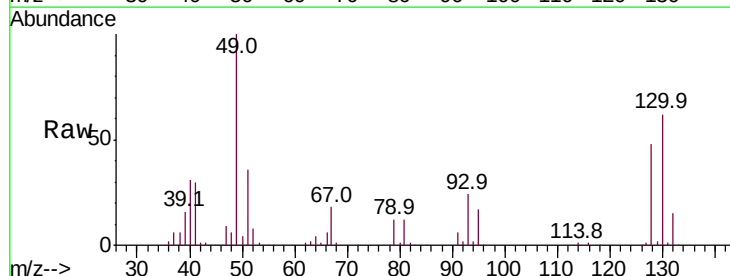
MMDadoda
 3/27/2019 10:42:04 AM

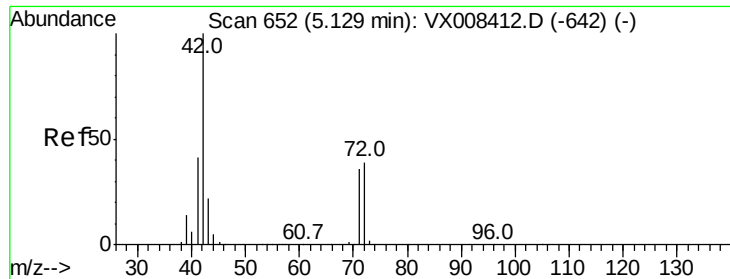


#28

Bromochloromethane
 Concen: 60.800 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: VX008468.D
 Acq: 26 Mar 2019 20:41

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	62.0	49.8	74.6





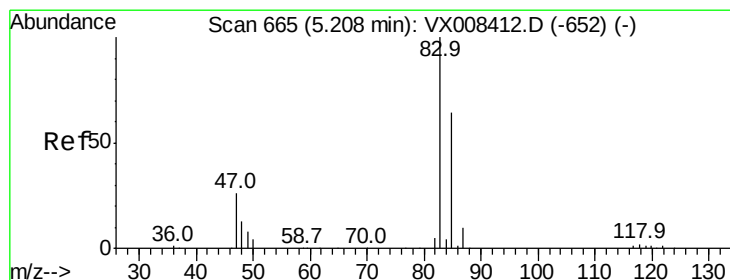
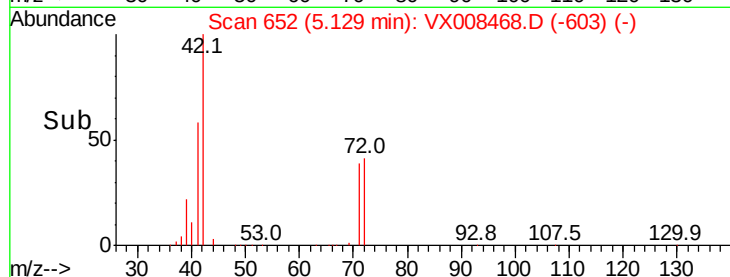
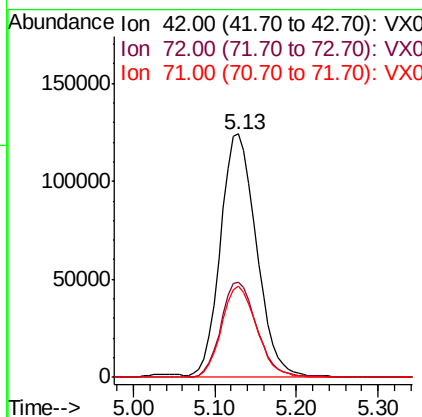
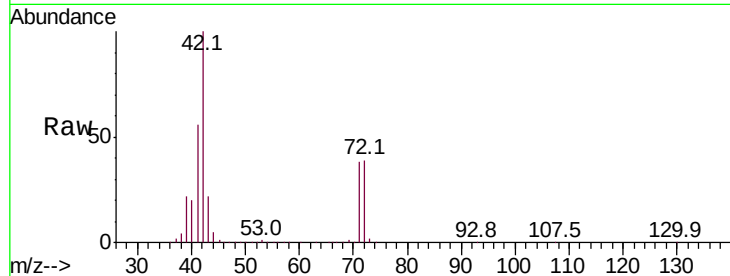
#29
Tetrahydrofuran
Concen: 237.002 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX008468.D
Acq: 26 Mar 2019 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.4	31.4	47.2
71	36.9	29.4	44.2

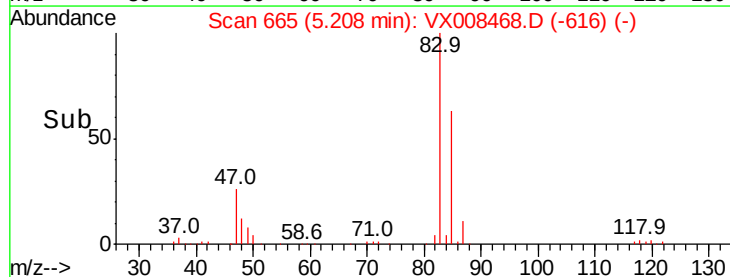
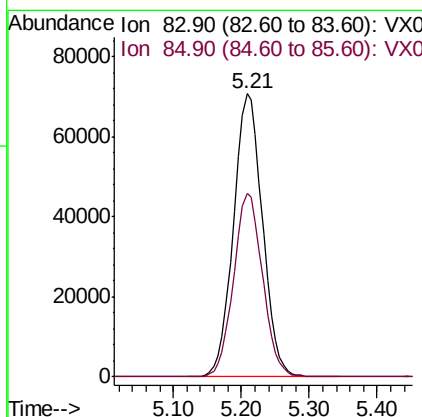
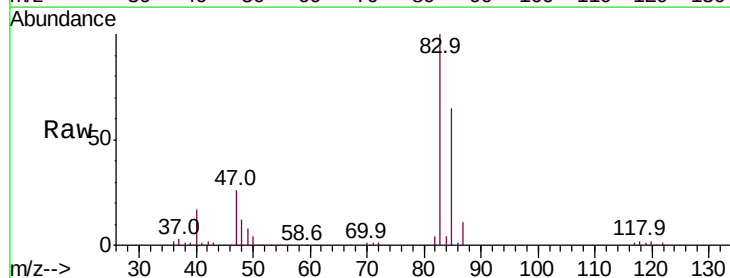
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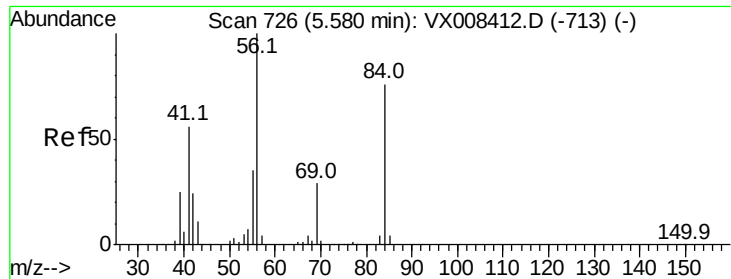
MMDadoda
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#30
Chloroform
Concen: 47.839 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX008468.D
Acq: 26 Mar 2019 20:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.4	77.2





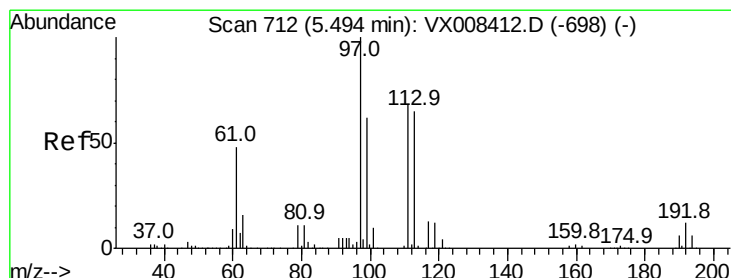
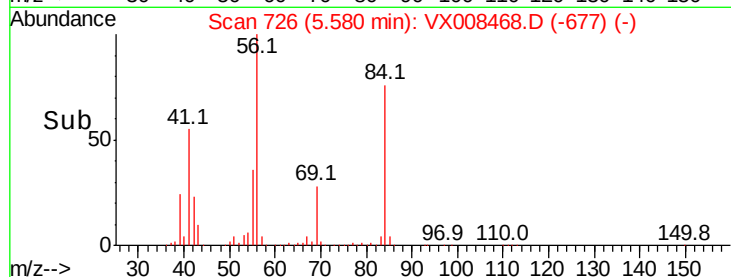
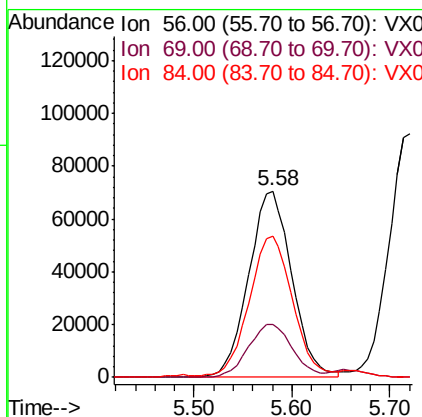
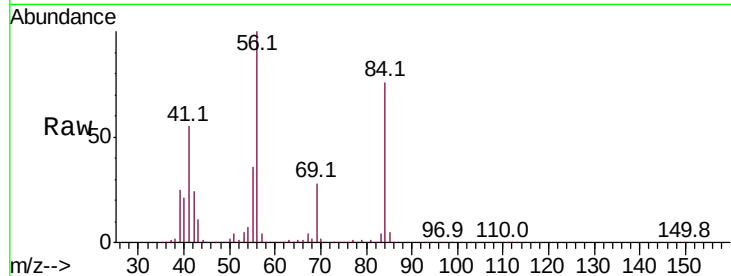
#31
Cyclohexane
Concen: 46.685 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX008468.D
Acq: 26 Mar 2019 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.1	23.2	34.8
84	74.9	60.7	91.1

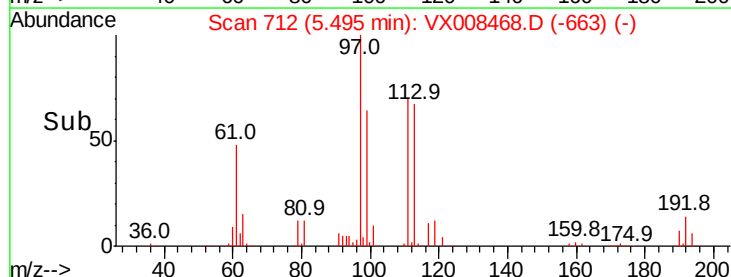
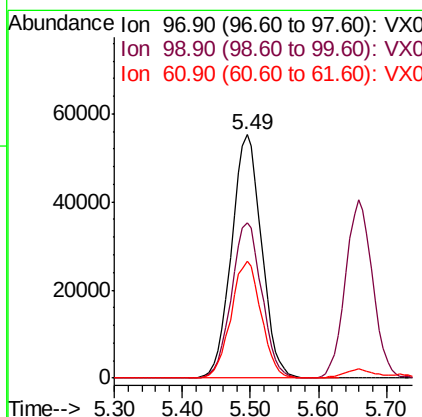
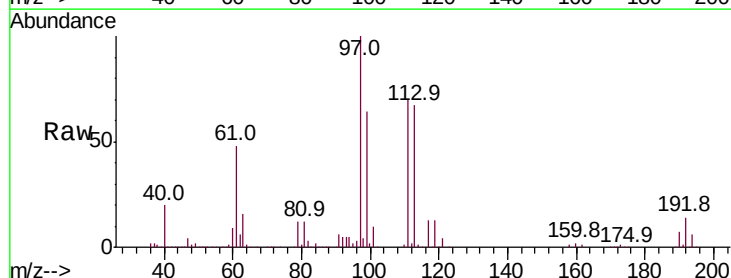
Manual Integrations
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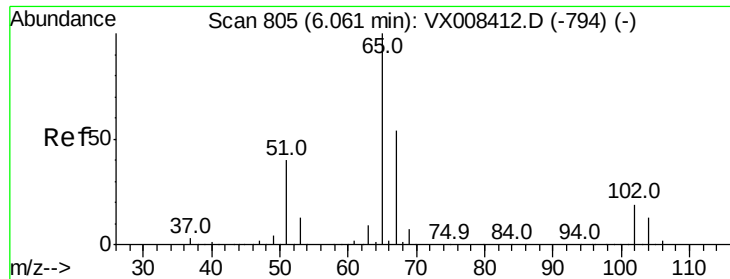
MMDadoda
3/27/2019 10:42:04 AM



#32
1,1,1-Trichloroethane
Concen: 48.169 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX008468.D
Acq: 26 Mar 2019 20:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.5	77.3
61	48.6	38.8	58.2





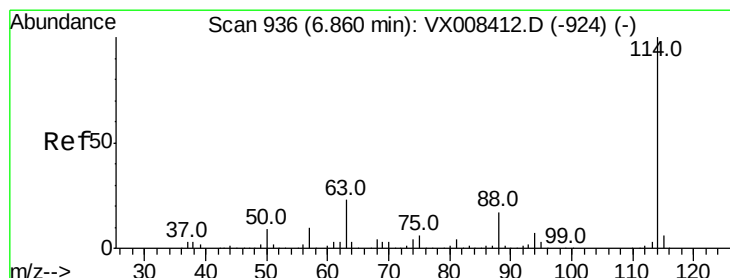
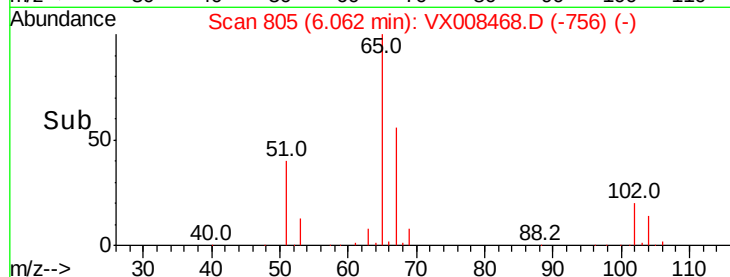
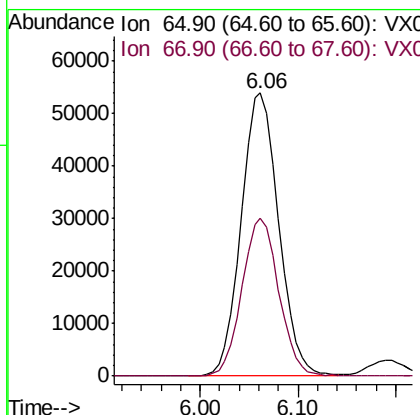
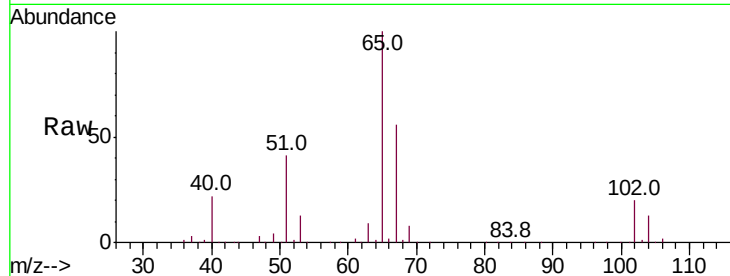
#33
 1,2-Dichloroethane-d4
 Concen: 49.626 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX008468.D
 Acq: 26 Mar 2019 20:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.1	0.0	109.4

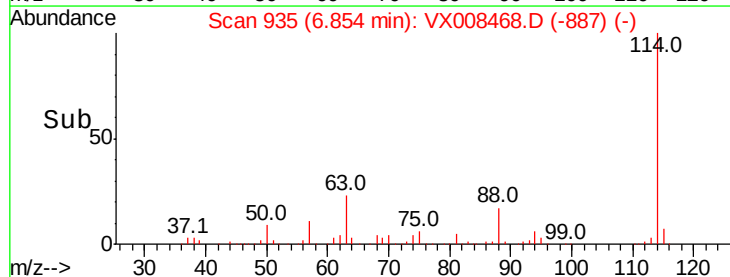
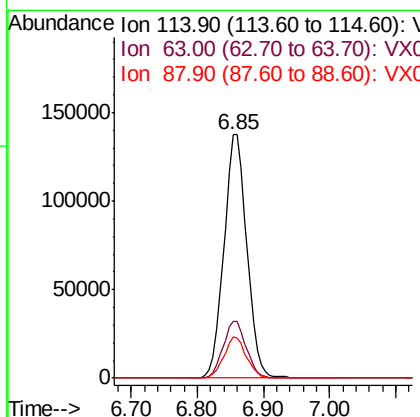
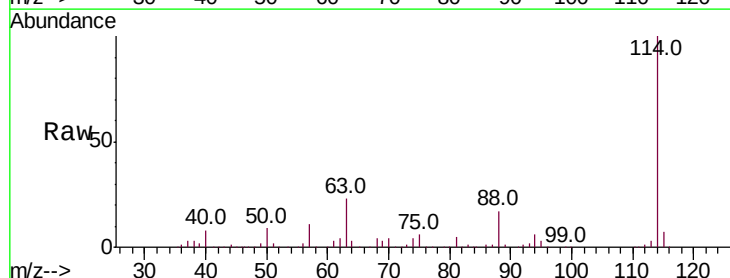
Manual Integrations
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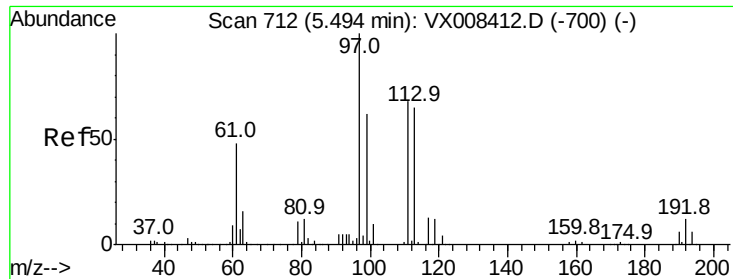
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX008468.D
 Acq: 26 Mar 2019 20:41

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.5	0.0	46.4
88	16.9	0.0	33.2





#35

Dibromofluoromethane

Concen: 49.868 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX008468.D

Acq: 26 Mar 2019 20:41

Instrument :

MSVOA_X

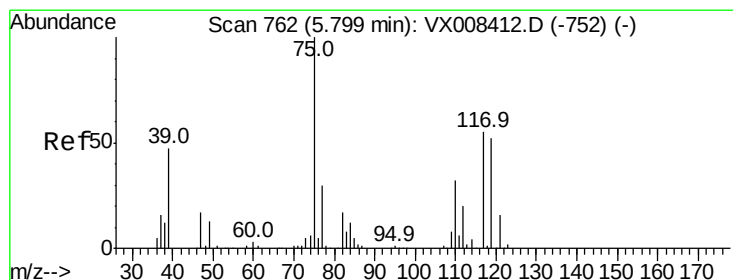
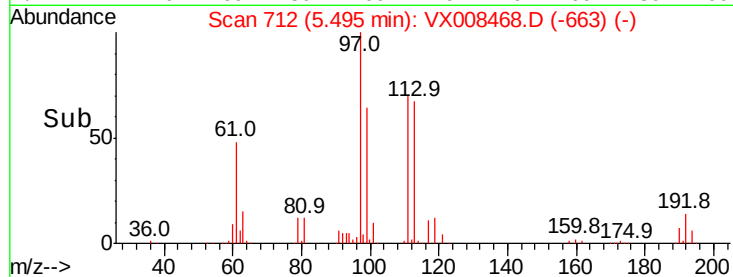
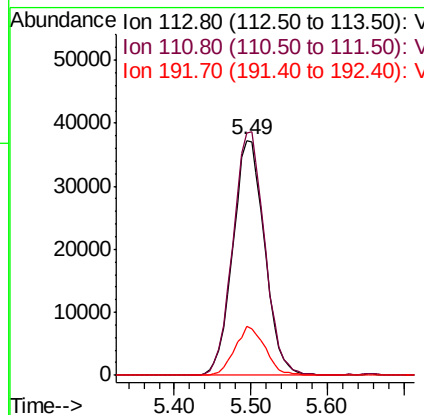
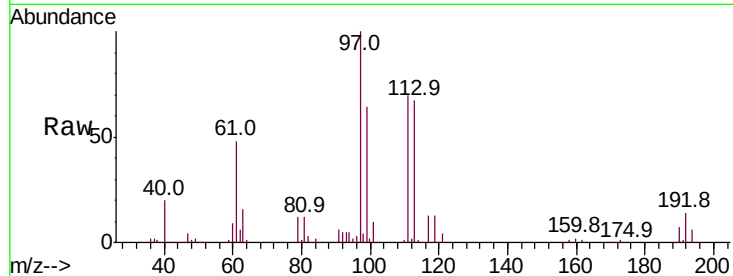
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	107185
Ion	Ratio	Lower	Upper
113	100		
111	104.0	83.0	124.4
192	19.9	15.6	23.4

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#36

1,1-Dichloropropene

Concen: 45.781 ug/l

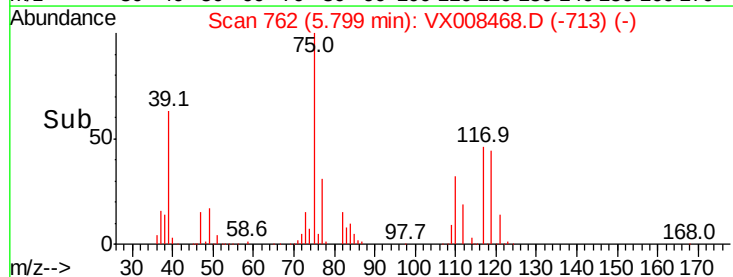
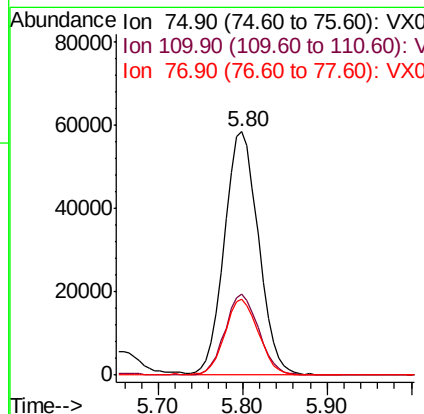
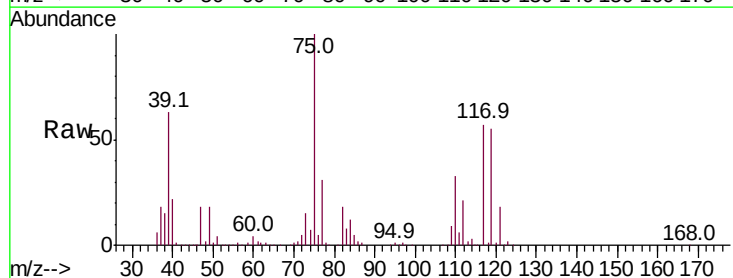
RT: 5.80 min Scan# 762

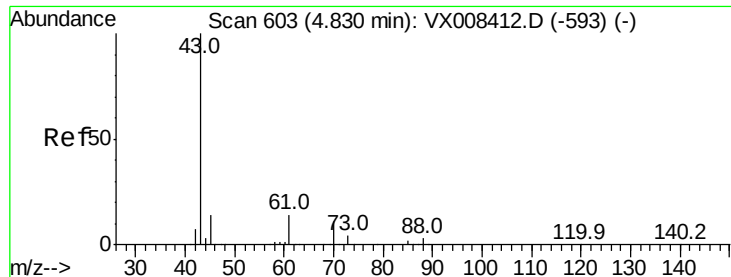
Delta R.T. 0.00 min

Lab File: VX008468.D

Acq: 26 Mar 2019 20:41

Tgt Ion:	75	Resp:	160905
Ion	Ratio	Lower	Upper
75	100		
110	33.1	16.6	49.7
77	31.2	24.2	36.2





#37

Ethyl Acetate

Concen: 48.209 ug/l

RT: 4.83 min Scan# 603

Delta R.T. 0.00 min

Lab File: VX008468.D

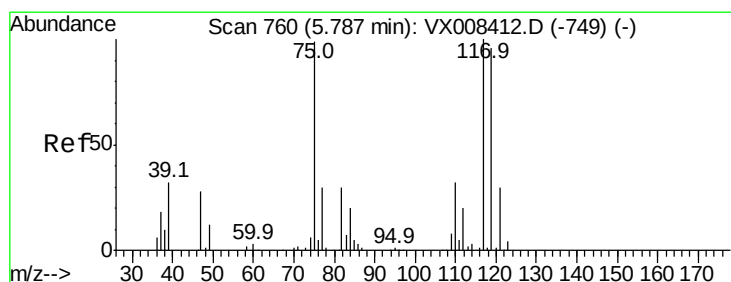
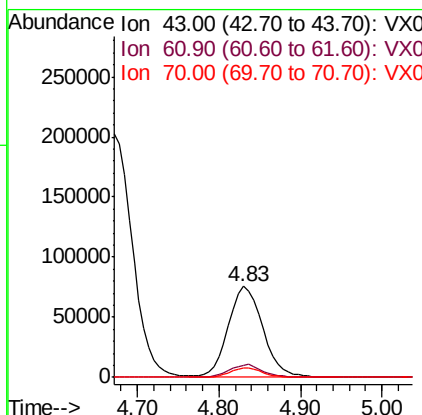
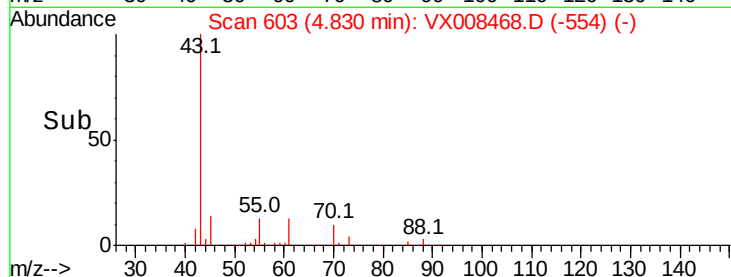
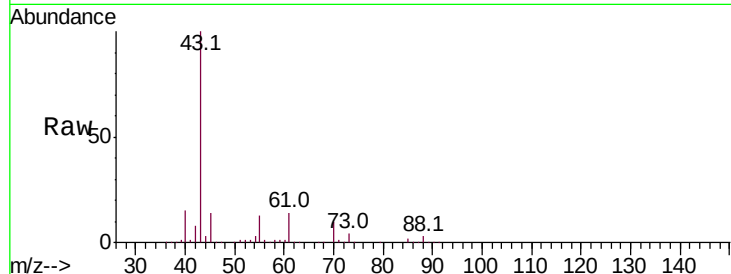
Acq: 26 Mar 2019 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.5	15.7
70	9.8	7.8	11.8

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#38

Carbon Tetrachloride

Concen: 47.427 ug/l

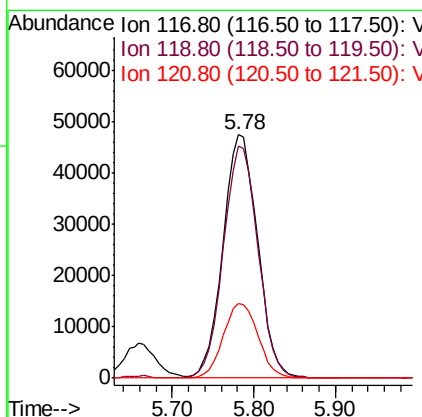
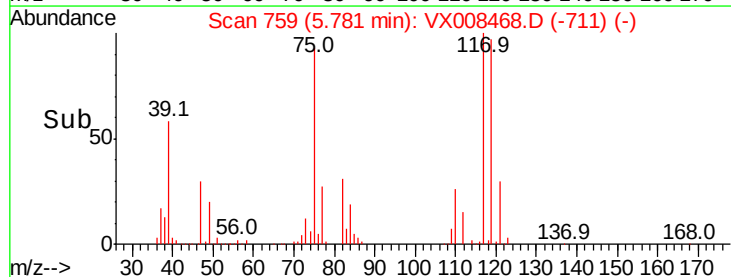
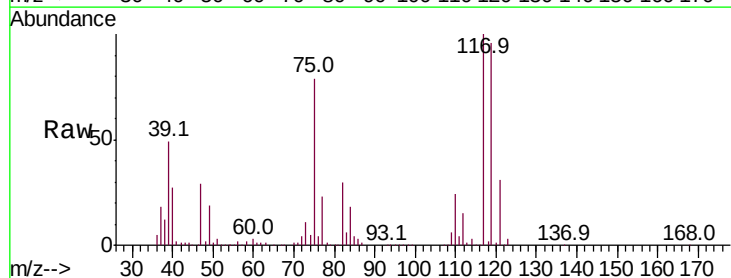
RT: 5.78 min Scan# 759

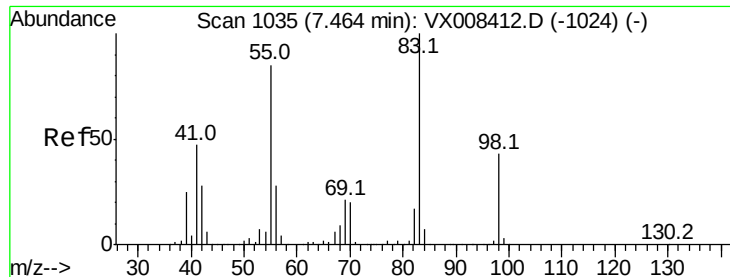
Delta R.T. -0.01 min

Lab File: VX008468.D

Acq: 26 Mar 2019 20:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.7	115.1
121	30.7	24.3	36.5





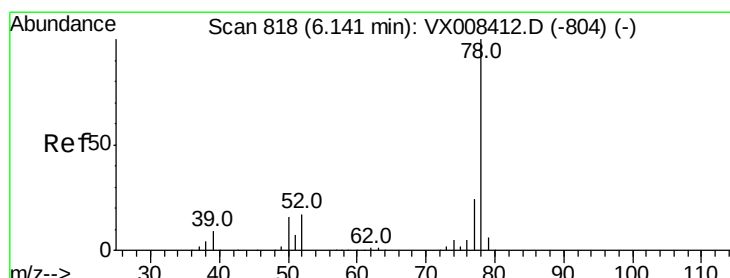
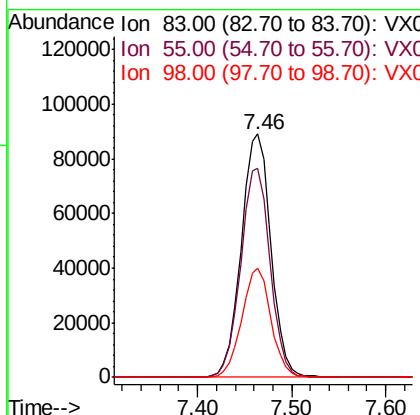
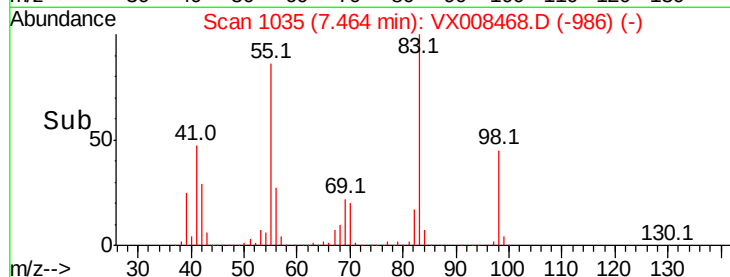
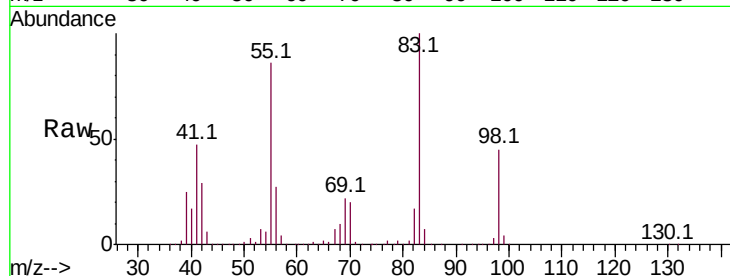
#39
Methylvlcyclohexane
Concen: 46.759 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008468.D
Acq: 26 Mar 2019 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.0	68.2	102.4
98	44.7	34.2	51.4

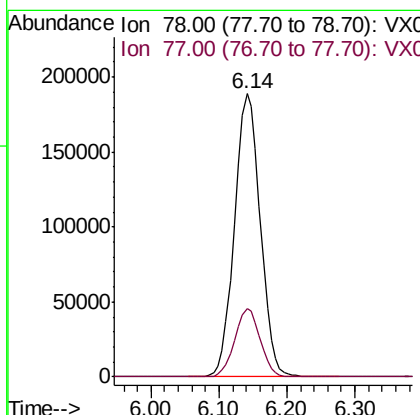
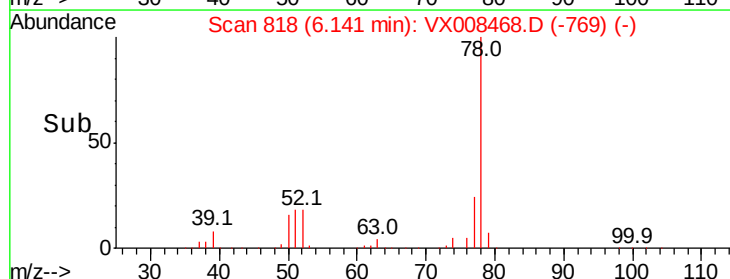
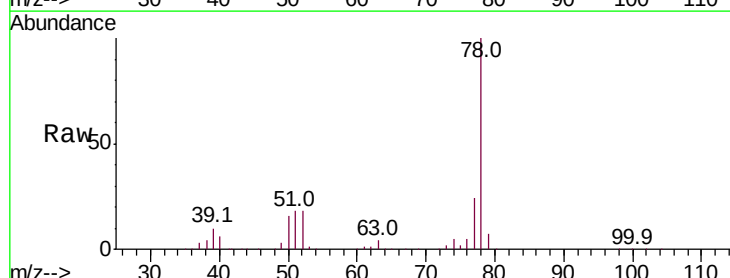
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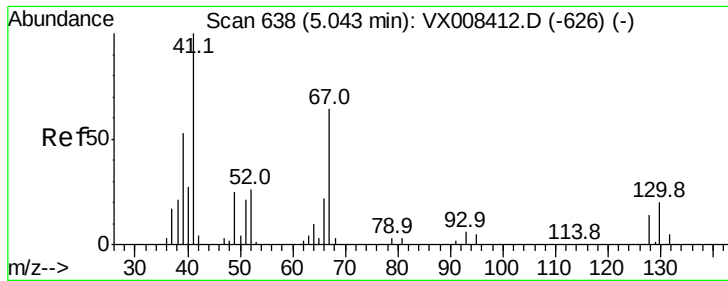
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#40
Benzene
Concen: 47.225 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX008468.D
Acq: 26 Mar 2019 20:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.3	28.9





#41

Methacrylonitrile

Concen: 49.342 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX008468.D

Acq: 26 Mar 2019 20:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 126255

Ion Ratio Lower Upper

41 100

39 53.2 42.6 64.0

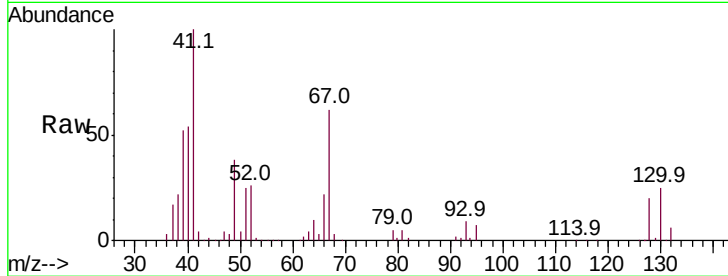
67 63.6 52.2 78.4

52 27.0 21.4 32.0

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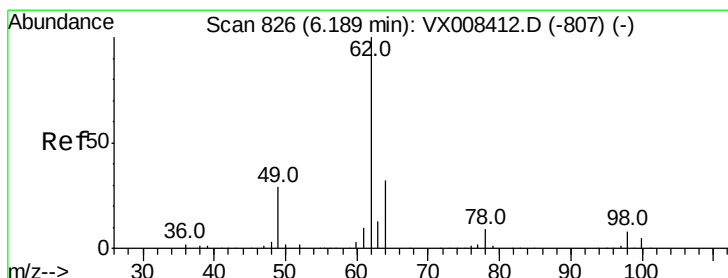
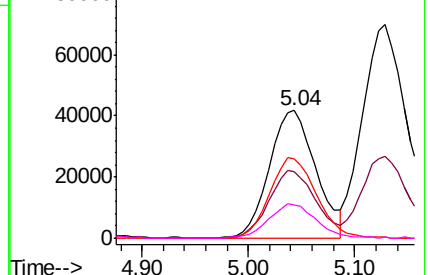
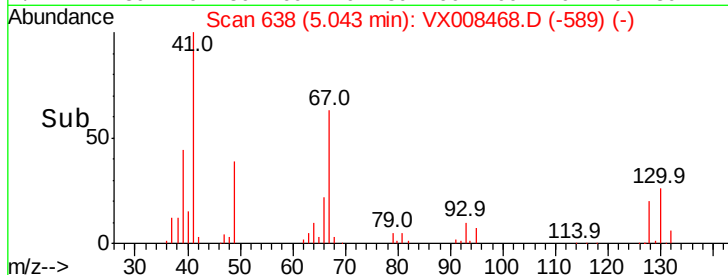


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 45.920 ug/l

RT: 6.19 min Scan# 826

Delta R.T. 0.00 min

Lab File: VX008468.D

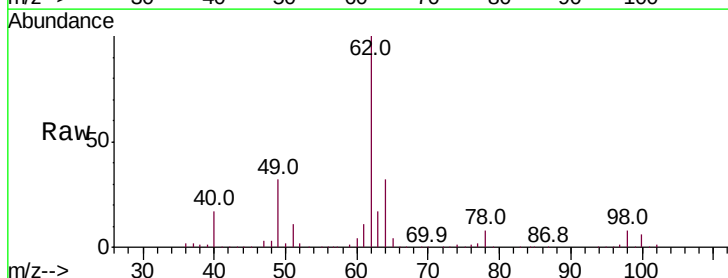
Acq: 26 Mar 2019 20:41

Tgt Ion: 62 Resp: 176904

Ion Ratio Lower Upper

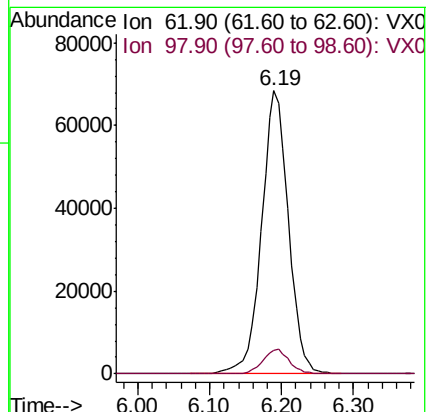
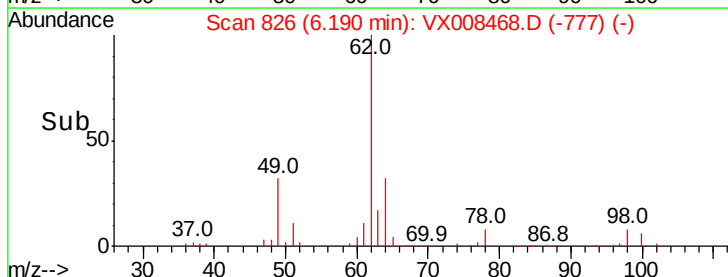
62 100

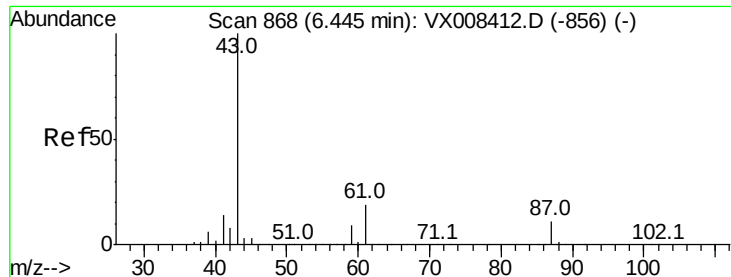
98 8.5 0.0 17.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

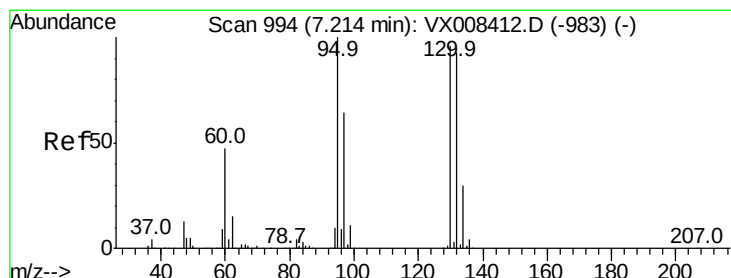
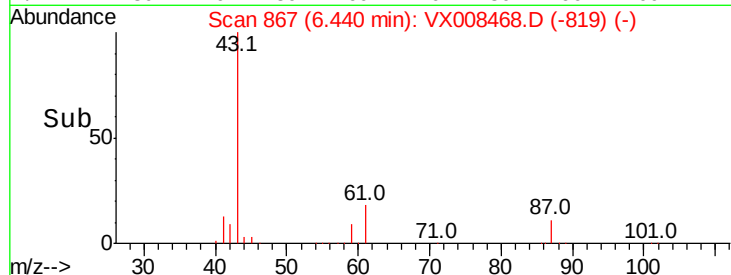
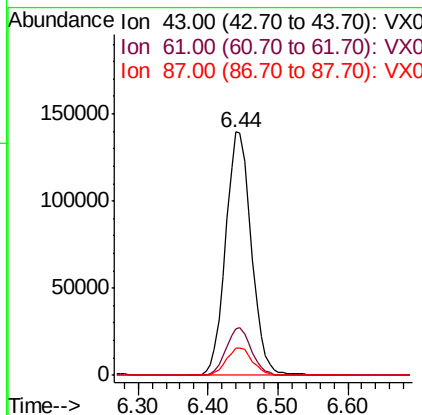
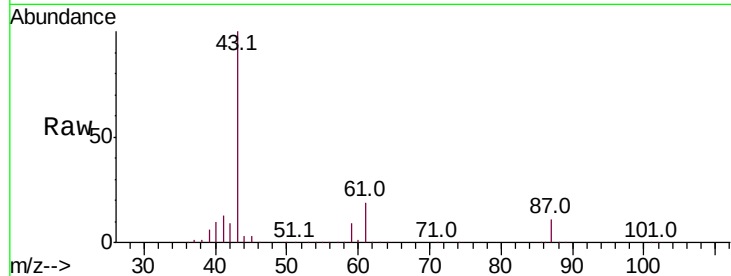
Isopropyl Acetate
 Concen: 48.608 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX008468.D
 Acq: 26 Mar 2019 20:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.4	23.2
87	11.5	9.1	13.7

Manual Integrations
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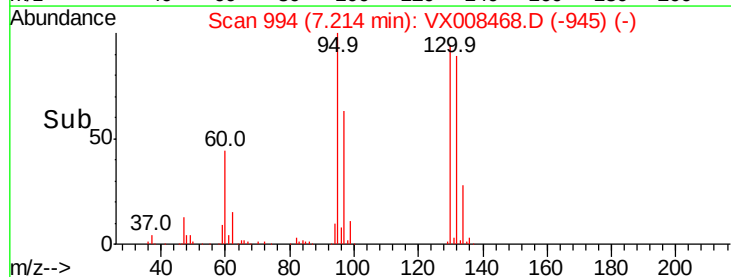
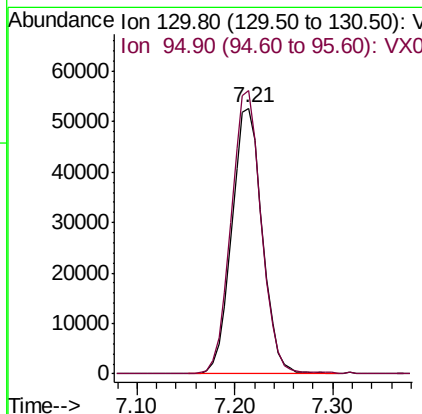
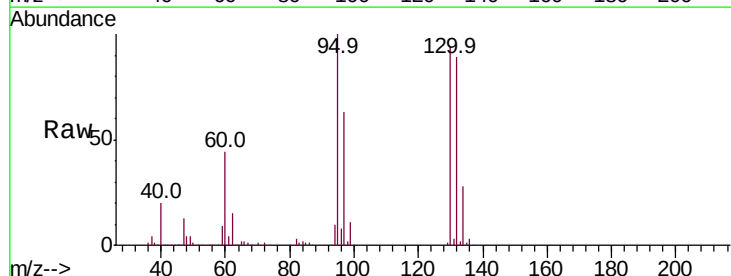
MMDadoda
 3/27/2019 10:42:04 AM

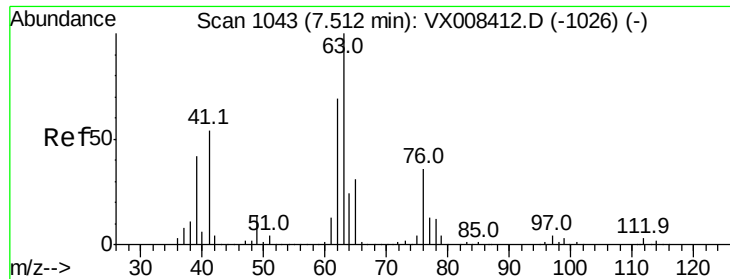


#44

Trichloroethene
 Concen: 46.128 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX008468.D
 Acq: 26 Mar 2019 20:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.4	0.0	208.8





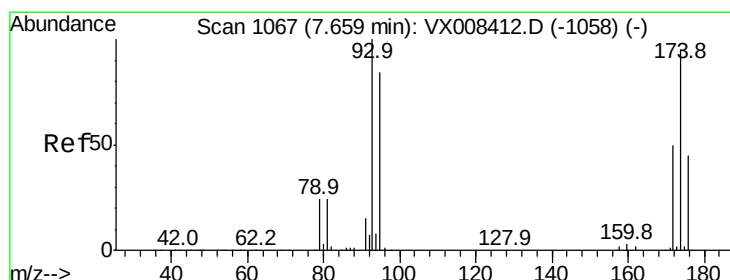
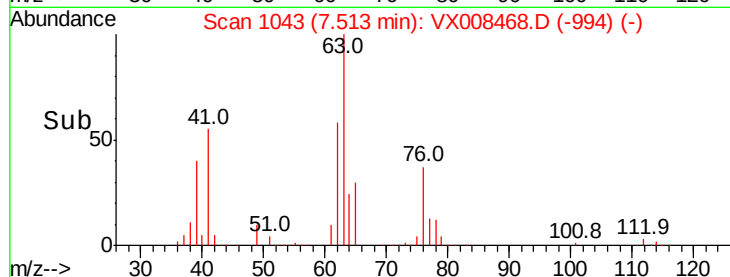
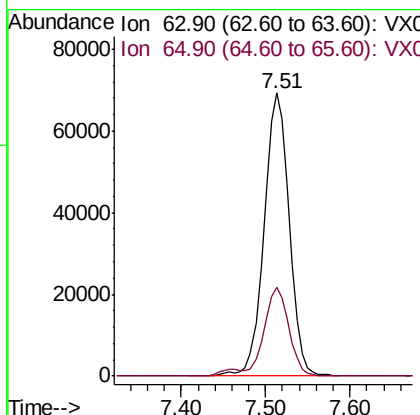
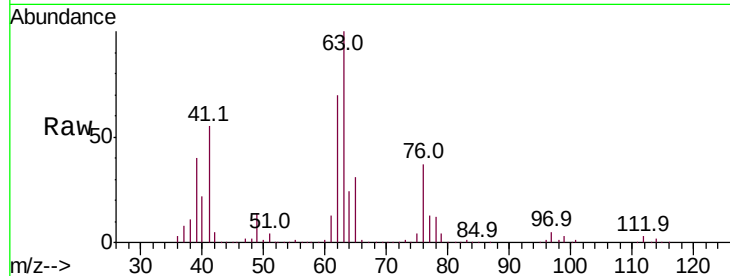
#45
 1,2-Dichloropropane
 Concen: 47.730 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX008468.D
 Acq: 26 Mar 2019 20:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 142748
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.1 37.7

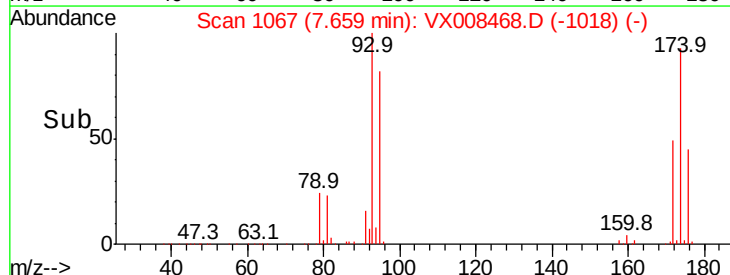
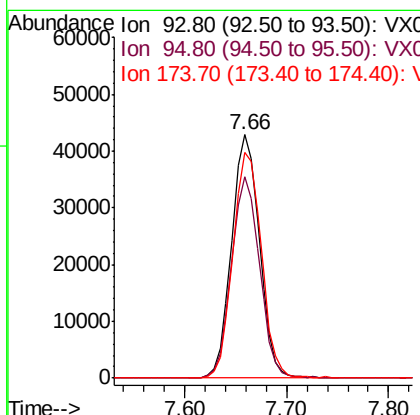
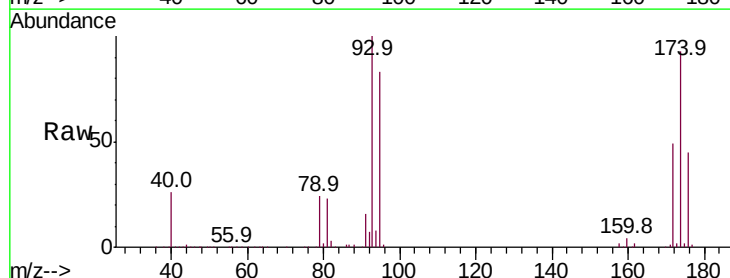
Manual Integrations
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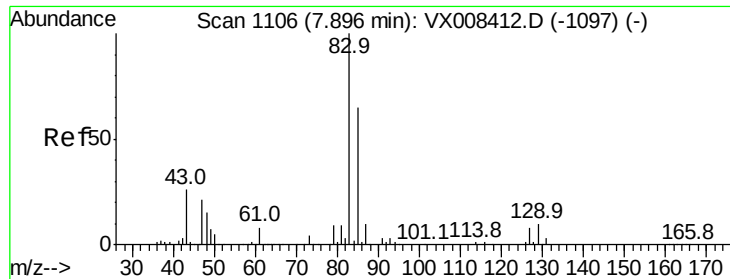
MMDadoda
 3/27/2019 10:42:04 AM



#46
 Dibromomethane
 Concen: 46.314 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX008468.D
 Acq: 26 Mar 2019 20:41

Tgt Ion: 93 Resp: 80885
 Ion Ratio Lower Upper
 93 100
 95 83.4 67.0 100.6
 174 95.1 76.0 114.0





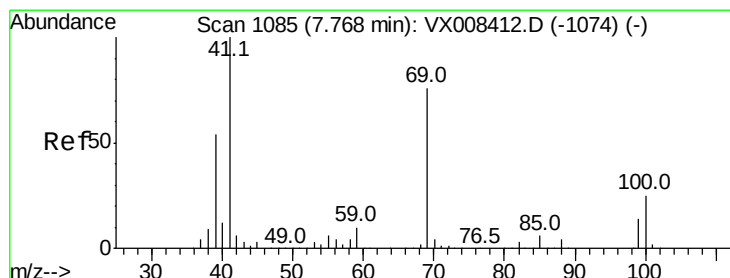
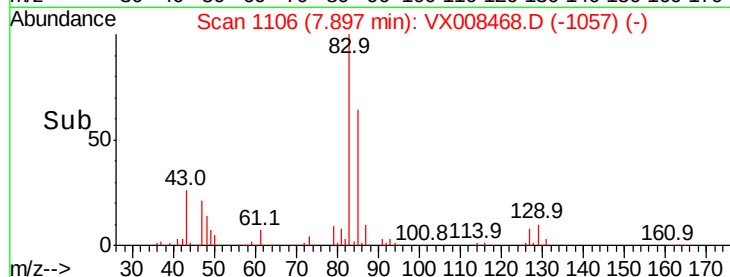
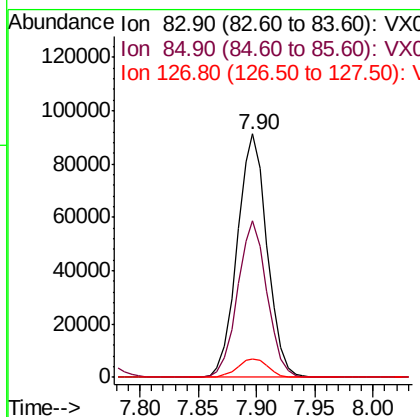
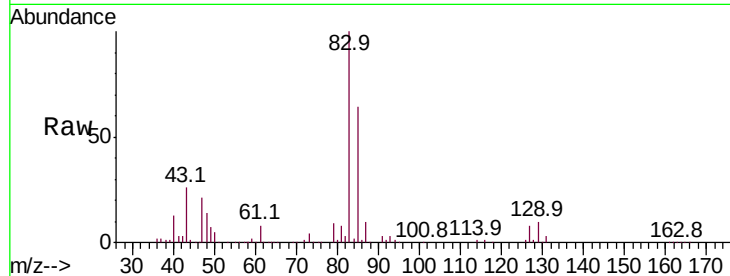
#47
Bromodichloromethane
Concen: 48.653 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX008468.D
Acq: 26 Mar 2019 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	162638
Ion Ratio	100	Lower	Upper
83	100		
85	64.1	52.0	78.0
127	7.6	6.4	9.6

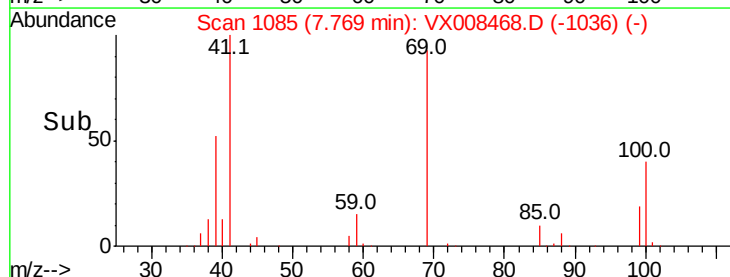
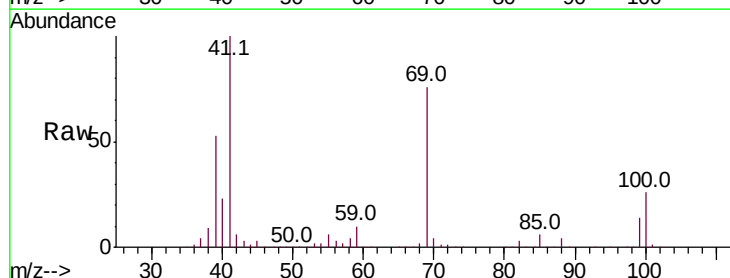
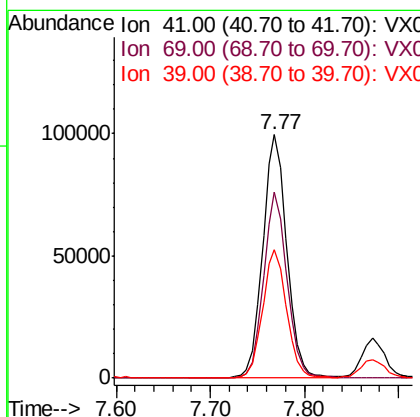
Manual Integrations
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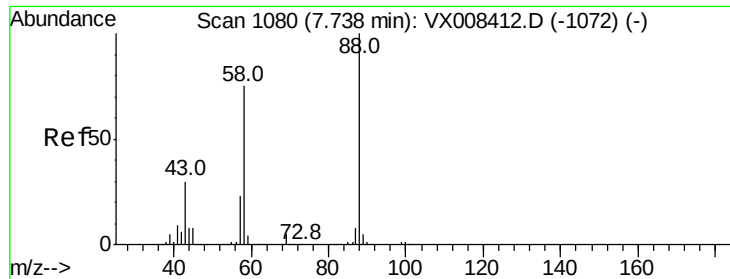
MMDadoda
3/27/2019 10:42:04 AM



#48
Methyl methacrylate
Concen: 49.113 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VX008468.D
Acq: 26 Mar 2019 20:41

Tgt Ion	41	Resp	178971
Ion Ratio	100	Lower	Upper
41	100		
69	75.0	60.8	91.2
39	52.4	42.3	63.5





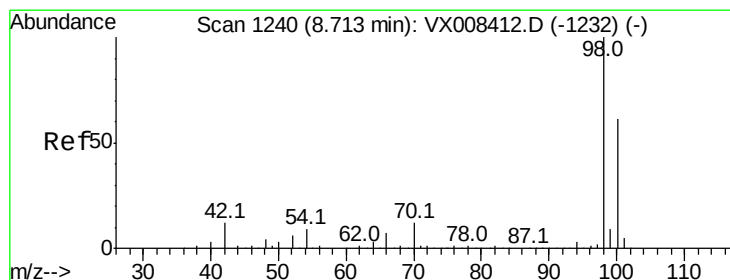
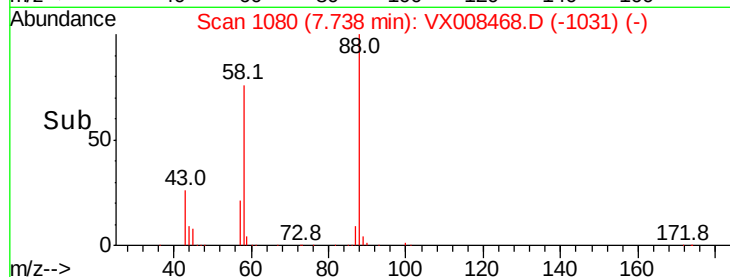
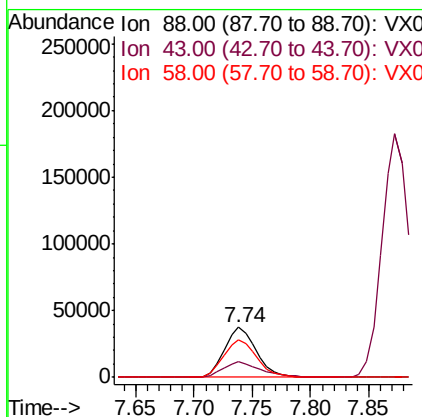
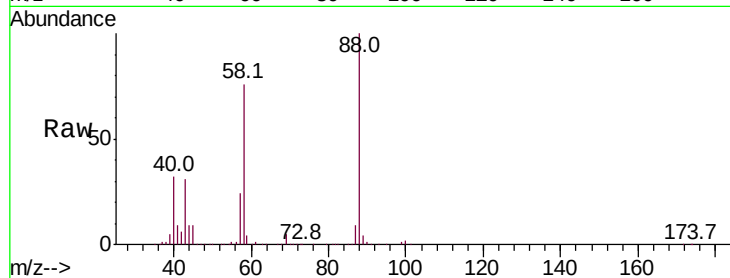
#49
1,4-Dioxane
Concen: 986.051 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX008468.D
Acq: 26 Mar 2019 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.7	28.6	43.0
58	78.9	63.0	94.4

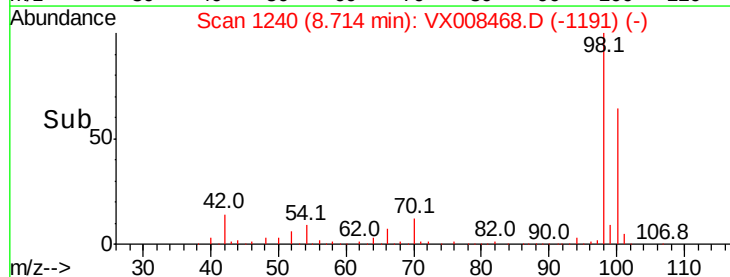
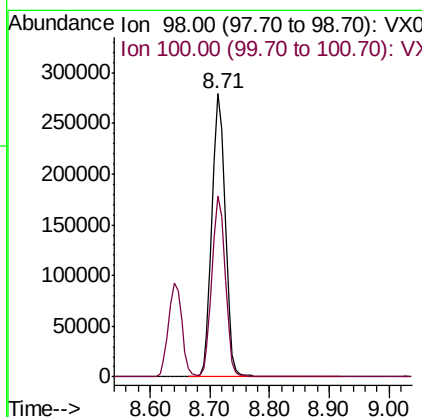
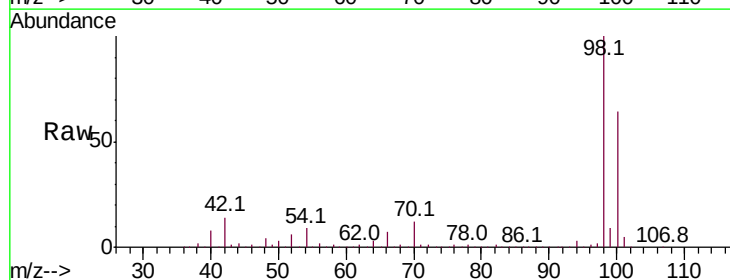
Manual Integrations
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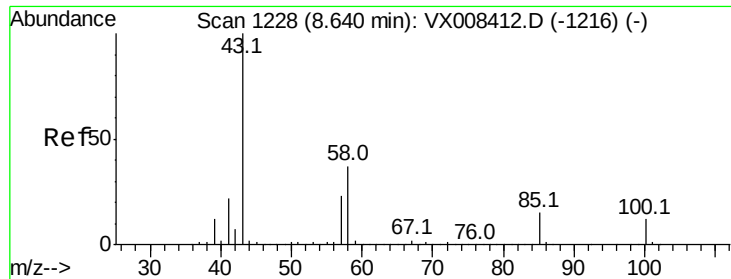
MMDadoda
3/27/2019 10:42:04 AM



#50
Toluene-d8
Concen: 49.907 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008468.D
Acq: 26 Mar 2019 20:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 247.303 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX008468.D

Acq: 26 Mar 2019 20:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1169802

Ion Ratio Lower Upper

43 100

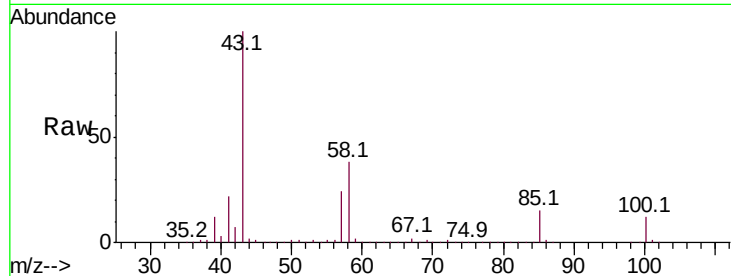
58 37.4 29.8 44.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

800000

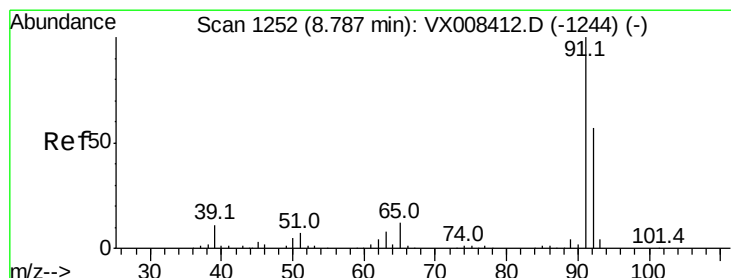
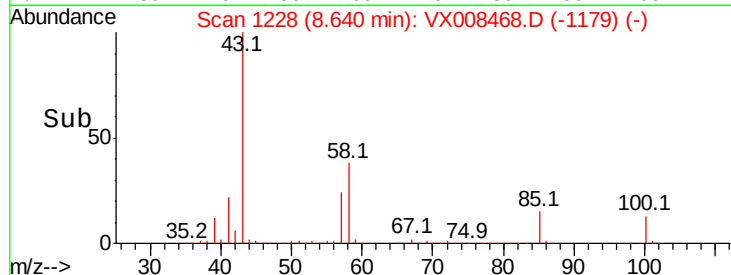
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 47.933 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008468.D

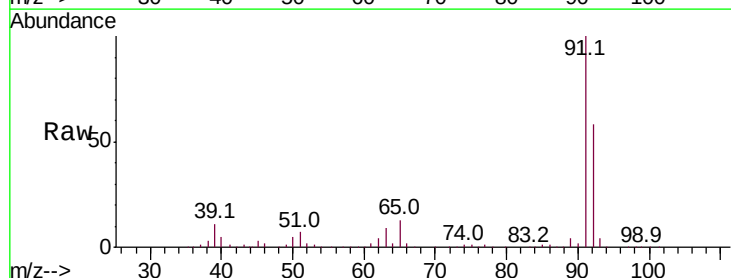
Acq: 26 Mar 2019 20:41

Tgt Ion: 92 Resp: 301567

Ion Ratio Lower Upper

92 100

91 173.8 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

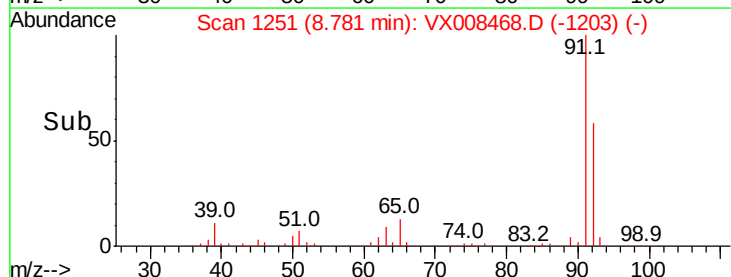
300000

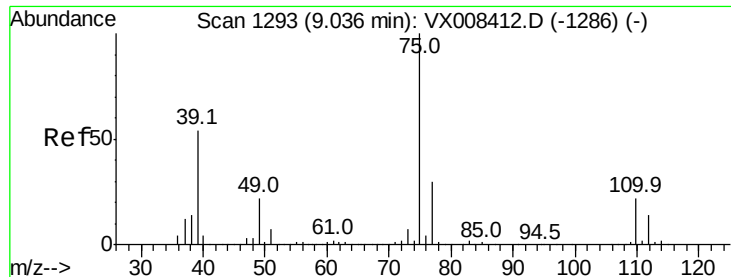
200000

100000

0

Time-->





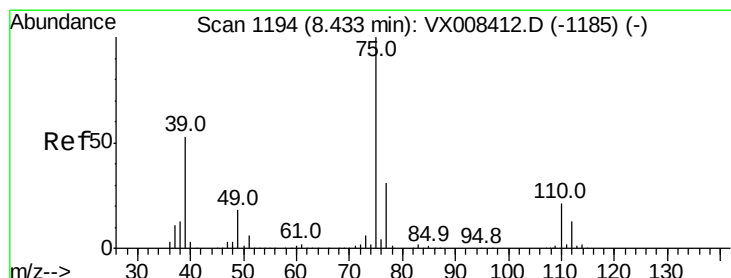
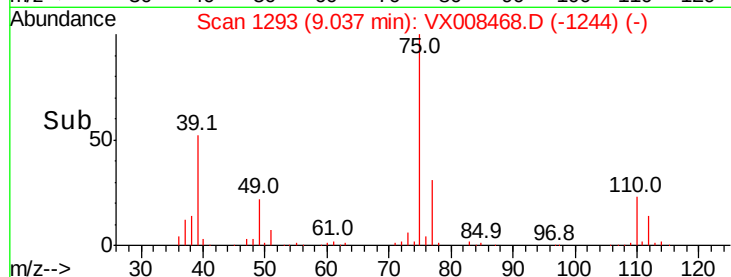
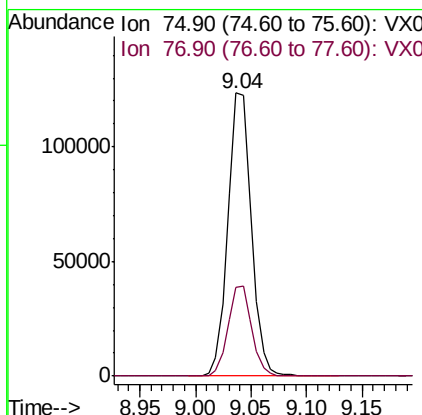
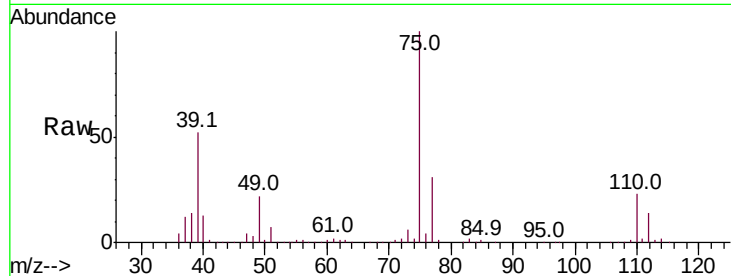
#53
t-1,3-Dichloropropene
Concen: 49.315 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX008468.D
Acq: 26 Mar 2019 20:41

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion: 75 Resp: 180563
Ion Ratio Lower Upper
75 100
77 31.2 24.3 36.5

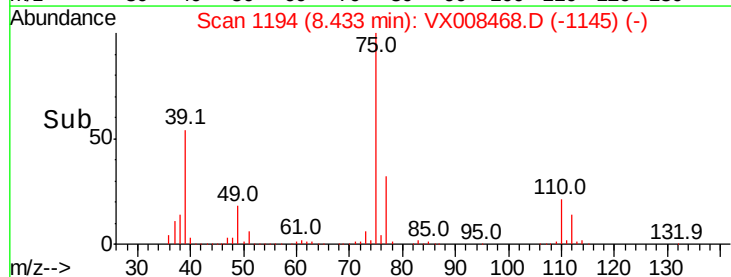
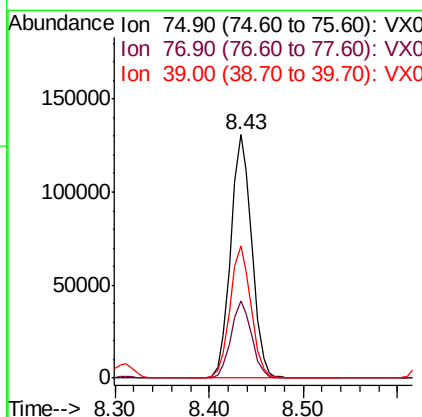
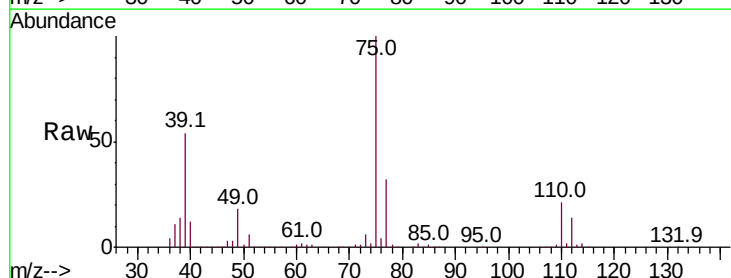
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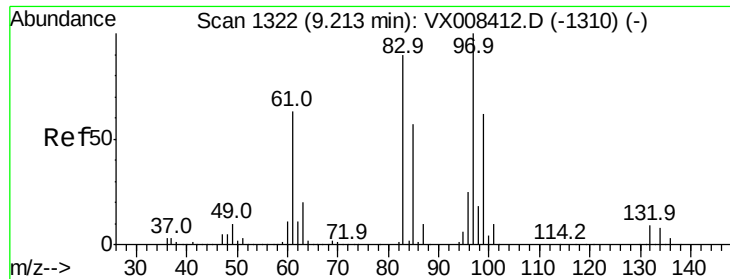
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 48.728 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX008468.D
Acq: 26 Mar 2019 20:41

Tgt Ion: 75 Resp: 202878
Ion Ratio Lower Upper
75 100
77 31.7 24.7 37.1
39 54.0 42.4 63.6





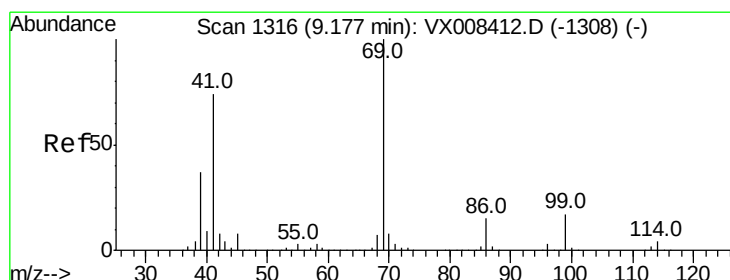
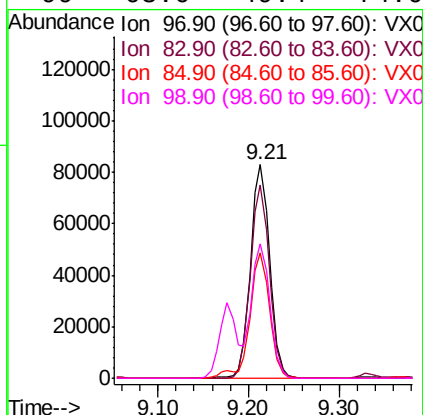
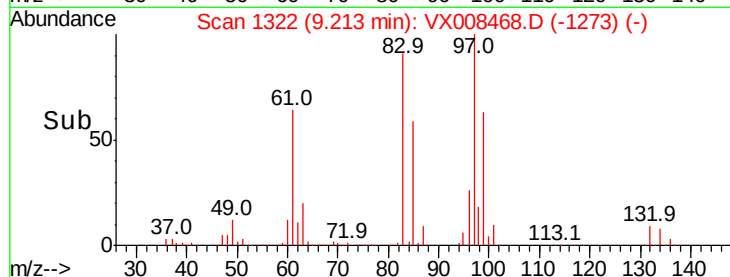
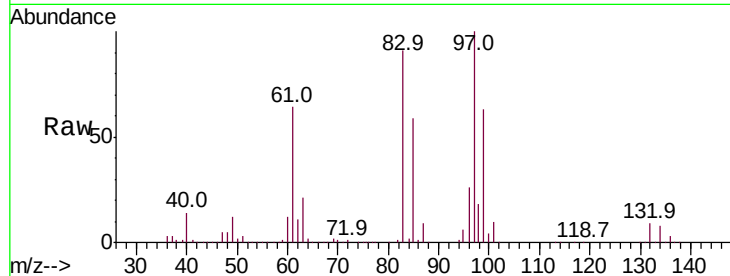
#55
 1,1,2-Trichloroethane
 Concen: 47.652 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008468.D
 Acq: 26 Mar 2019 20:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp	122038
Ion	Ratio	Lower	Upper
97	100		
83	90.7	71.8	107.6
85	58.6	45.9	68.9
99	63.0	49.4	74.0

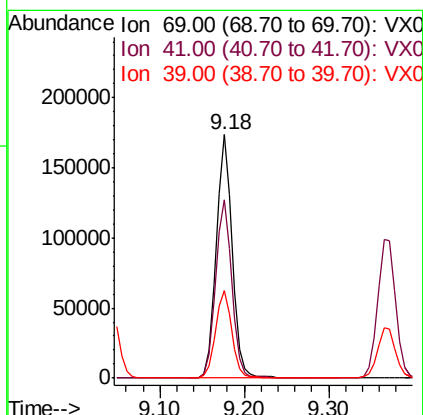
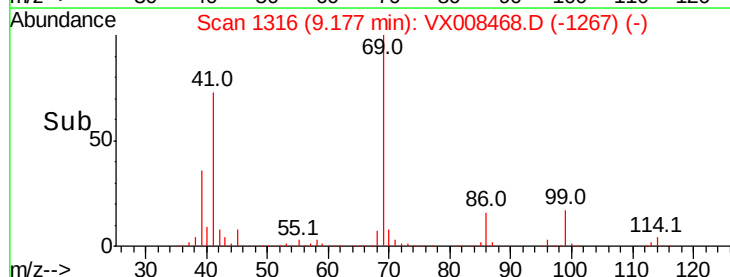
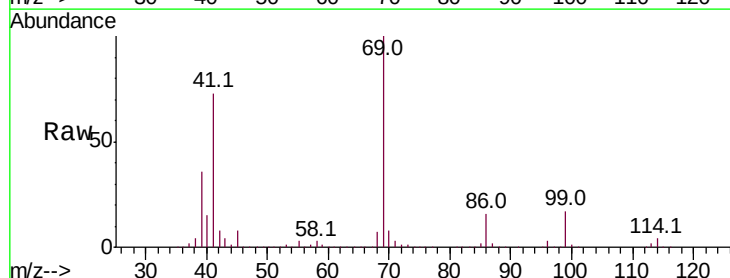
Manual Integrations
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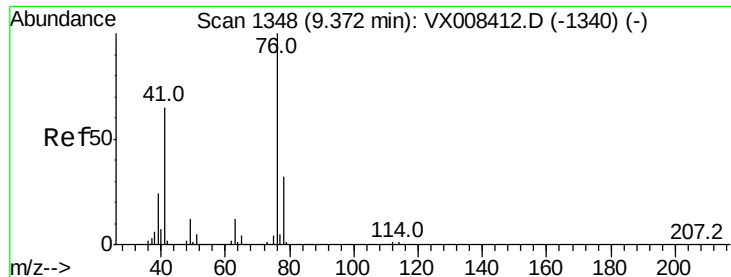
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#56
 Ethyl methacrylate
 Concen: 49.635 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX008468.D
 Acq: 26 Mar 2019 20:41

Tgt Ion	69	Resp	229457
Ion	Ratio	Lower	Upper
69	100		
41	74.5	59.5	89.3
39	36.3	29.3	43.9





#57

1,3-Dichloropropane

Concen: 47.261 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX008468.D

Acq: 26 Mar 2019 20:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 217007

Ion Ratio Lower Upper

76 100

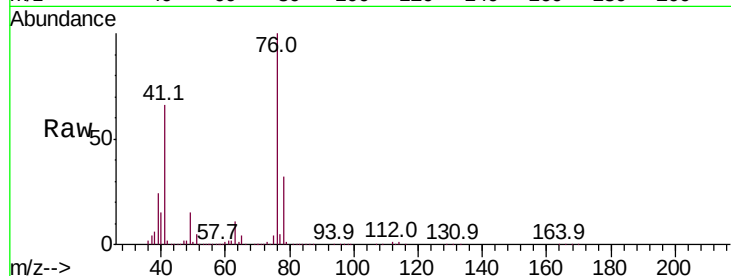
78 32.1 25.8 38.8

Manual Integrations

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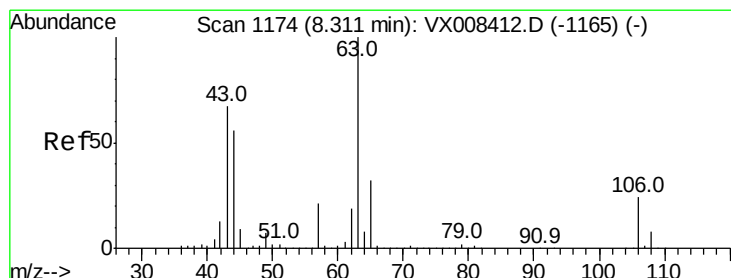
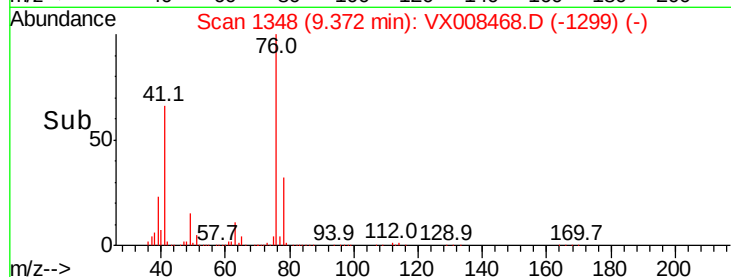
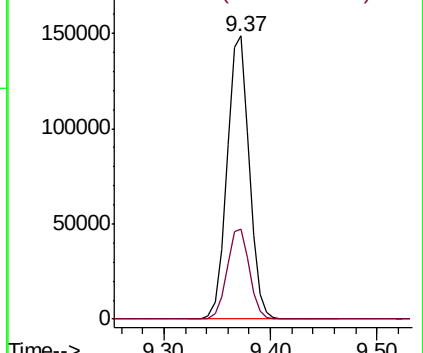
MMDadoda

3/27/2019 10:42:04 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 247.241 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX008468.D

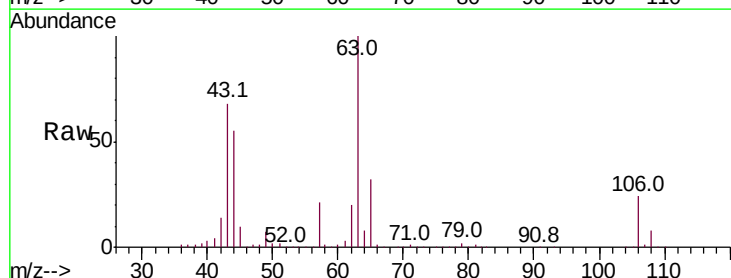
Acq: 26 Mar 2019 20:41

Tgt Ion: 63 Resp: 590817

Ion Ratio Lower Upper

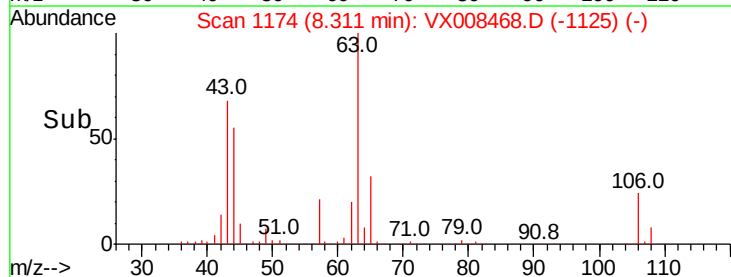
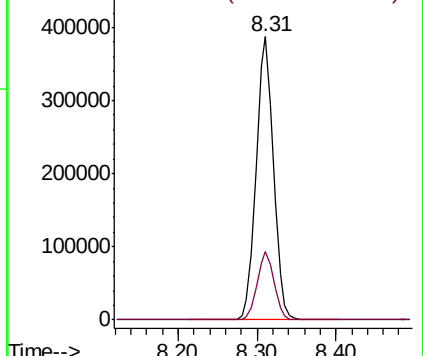
63 100

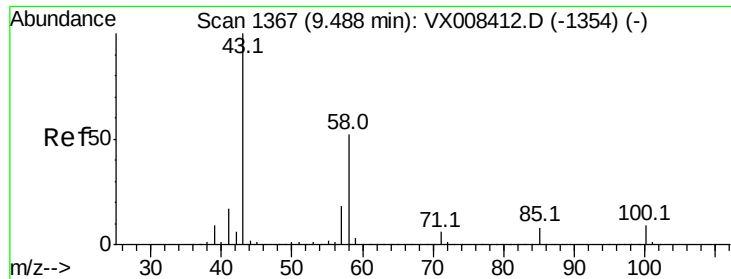
106 23.7 19.0 28.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





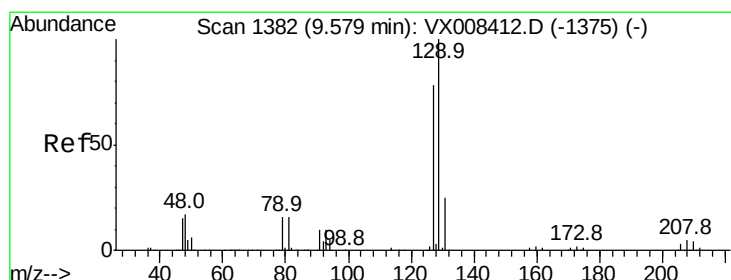
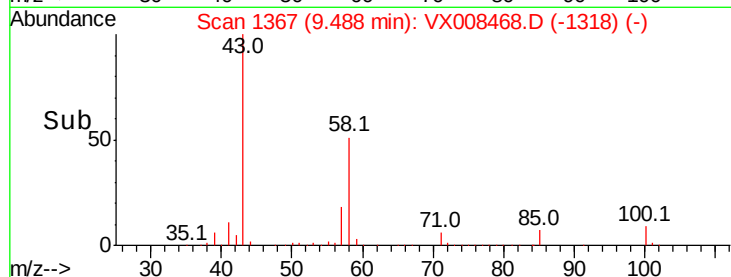
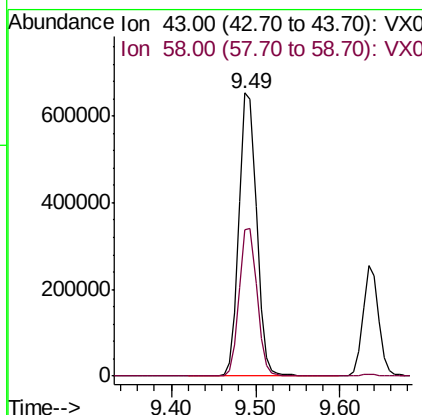
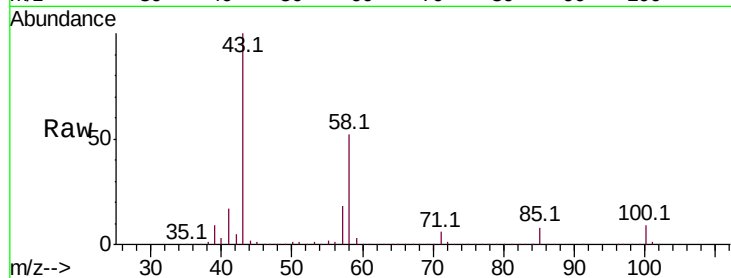
#59
2-Hexanone
Concen: 249.750 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX008468.D
Acq: 26 Mar 2019 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 915399
Ion Ratio Lower Upper
43 100
58 52.5 26.3 78.9

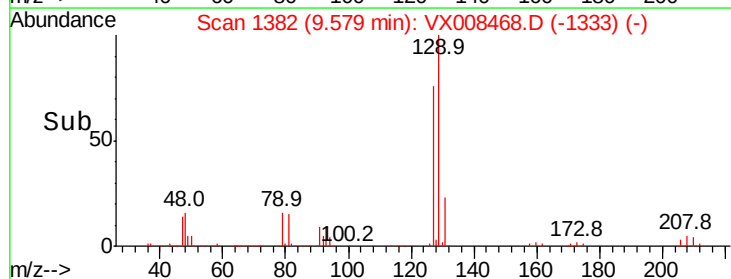
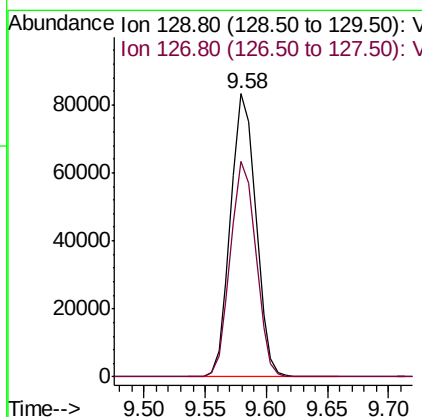
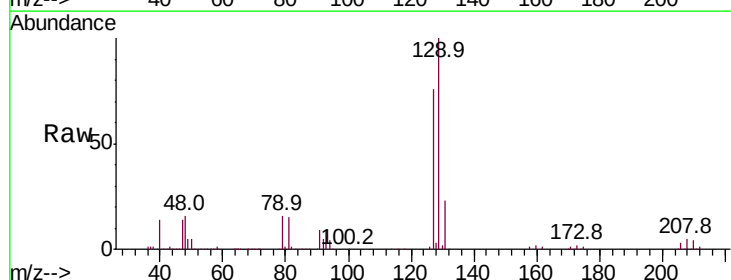
Manual Integrations
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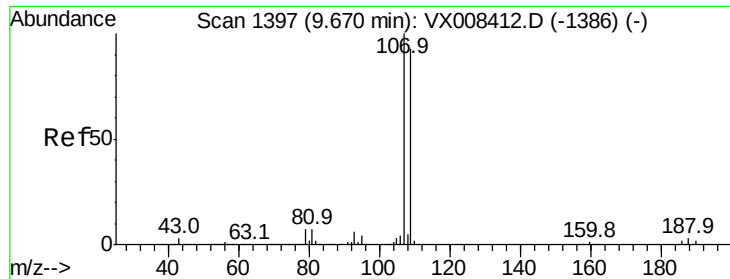
MMDadoda
3/27/2019 10:42:04 AM



#60
Dibromochloromethane
Concen: 48.996 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX008468.D
Acq: 26 Mar 2019 20:41

Tgt Ion: 129 Resp: 119333
Ion Ratio Lower Upper
129 100
127 76.9 38.1 114.3





#61

1,2-Dibromoethane

Concen: 48.116 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008468.D

Acq: 26 Mar 2019 20:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 125754

Ion Ratio Lower Upper

107 100

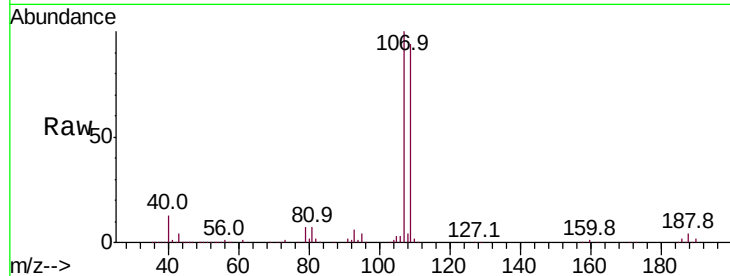
109 93.3 74.6 111.8

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

100000

80000

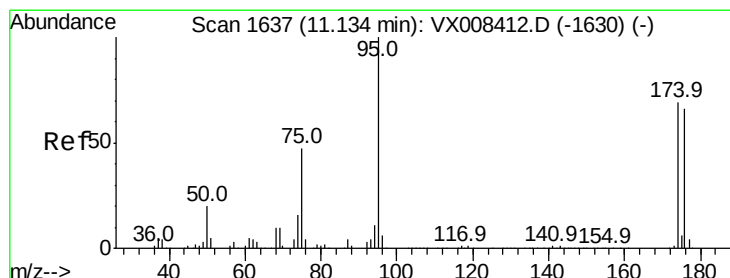
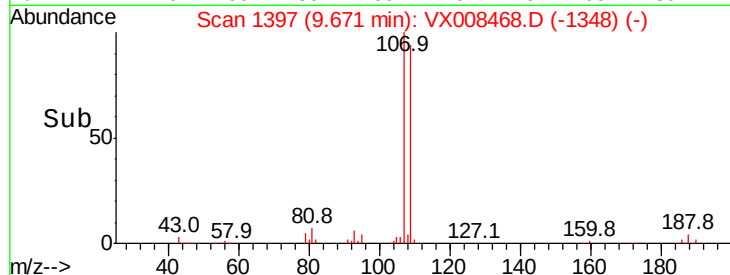
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.540 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008468.D

Acq: 26 Mar 2019 20:41

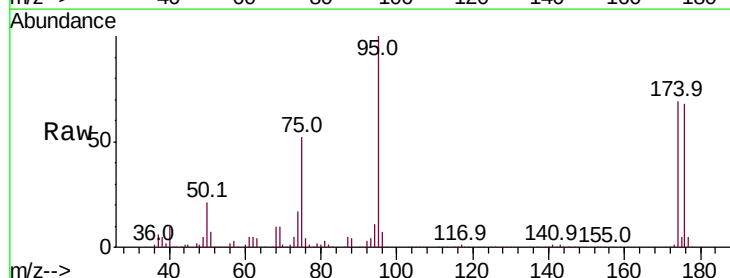
Tgt Ion: 95 Resp: 160959

Ion Ratio Lower Upper

95 100

174 74.4 0.0 147.2

176 72.4 0.0 142.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

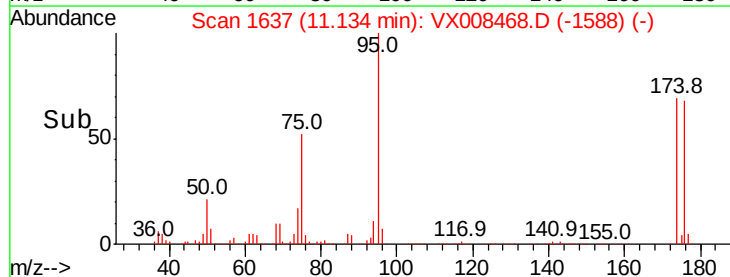
150000

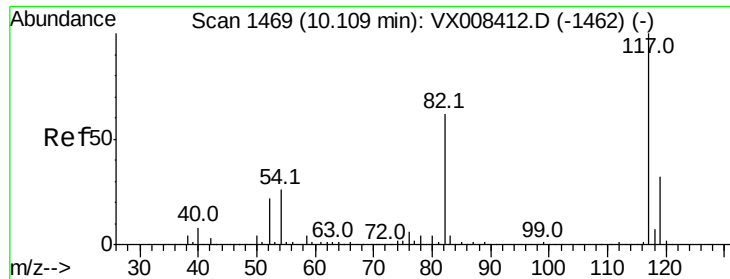
100000

50000

0

Time-->





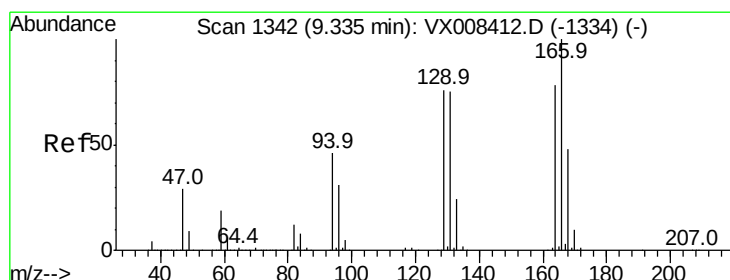
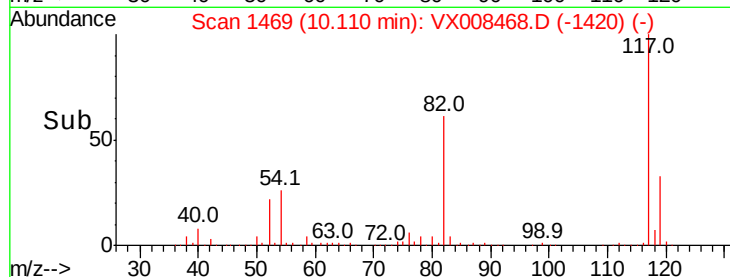
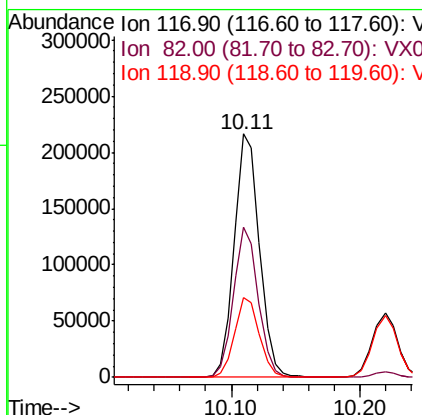
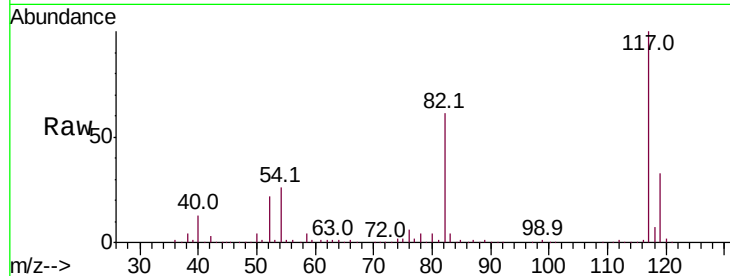
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008468.D
Acq: 26 Mar 2019 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	295528		
82	61.5	49.4	74.2	
119	32.6	25.4	38.0	

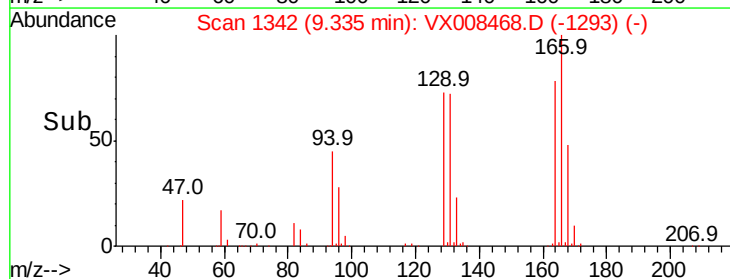
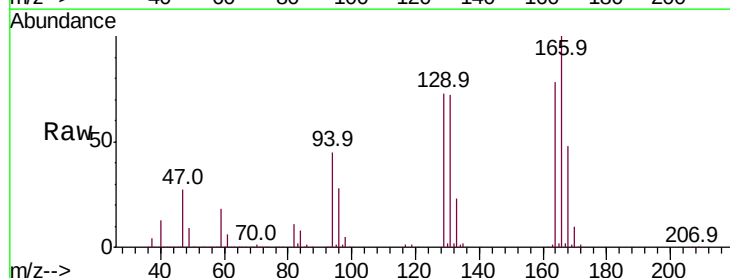
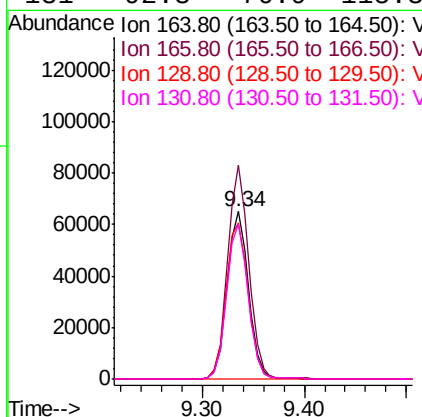
Manual Integrations
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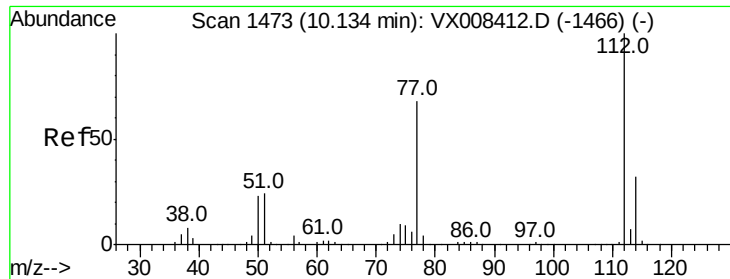
MMDadoda
3/27/2019 10:42:04 AM



#64
Tetrachloroethene
Concen: 47.009 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008468.D
Acq: 26 Mar 2019 20:41

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	94051		
166	127.7	102.5	153.7	
129	93.4	77.8	116.8	
131	92.3	76.9	115.3	





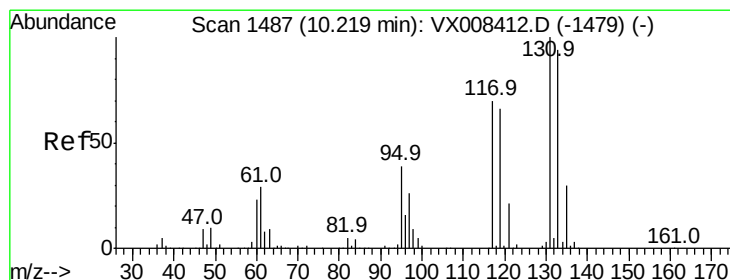
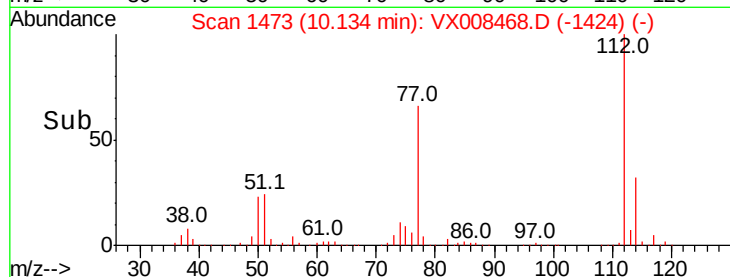
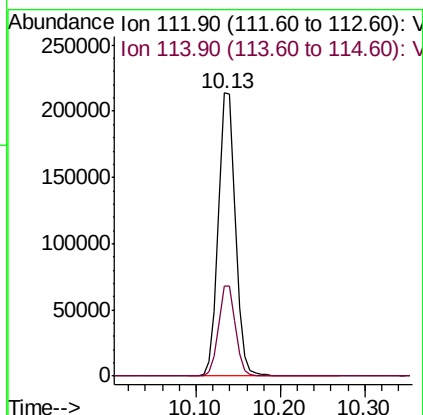
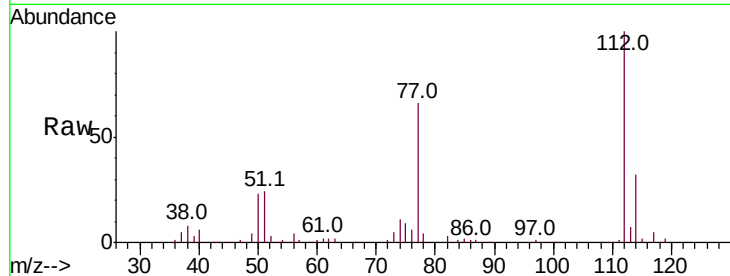
#65
Chlorobenzene
Concen: 47.296 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX008468.D
Acq: 26 Mar 2019 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 303967
Ion Ratio Lower Upper
112 100
114 32.0 25.4 38.2

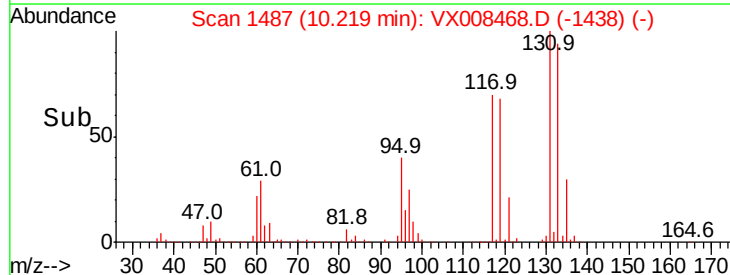
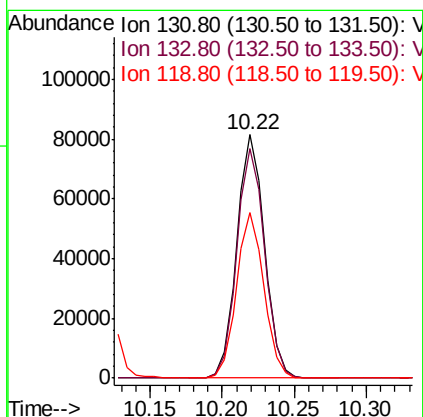
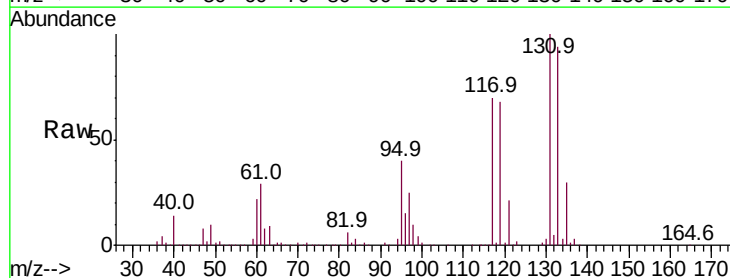
Manual Integrations
APPROVED

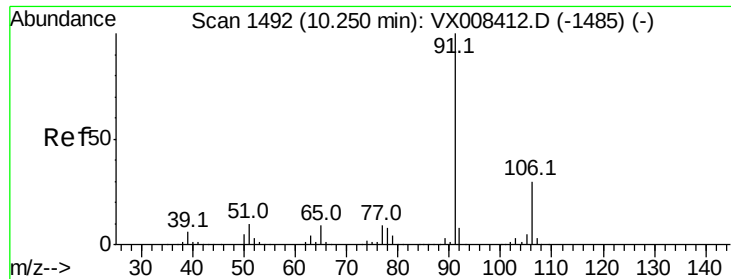
MMDadoda
3/27/2019 10:42:04 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.132 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX008468.D
Acq: 26 Mar 2019 20:41

Tgt Ion:131 Resp: 108942
Ion Ratio Lower Upper
131 100
133 94.9 47.3 141.8
119 67.6 33.6 100.6





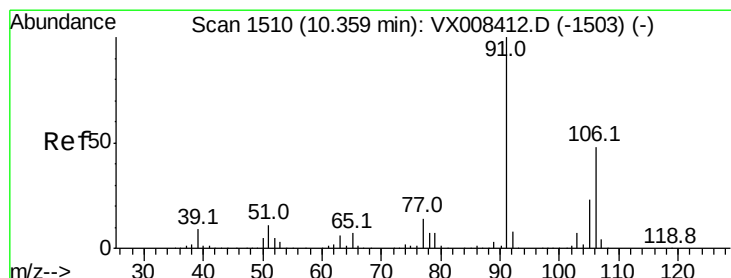
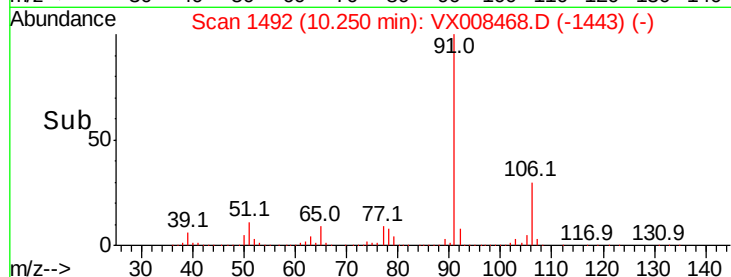
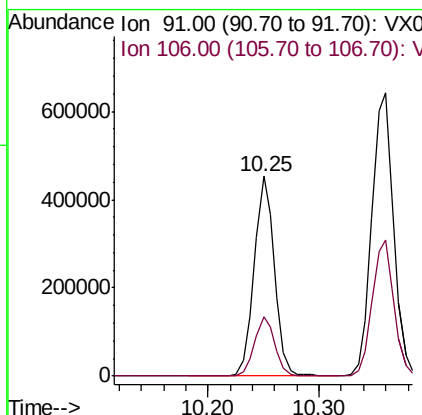
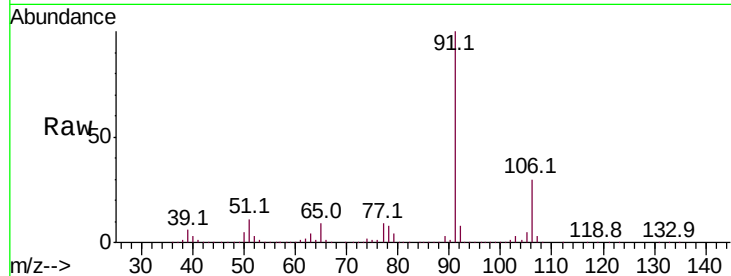
#67
Ethyl Benzene
Concen: 47.460 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX008468.D
Acq: 26 Mar 2019 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 575658
Ion Ratio Lower Upper
91 100
106 29.6 24.0 36.0

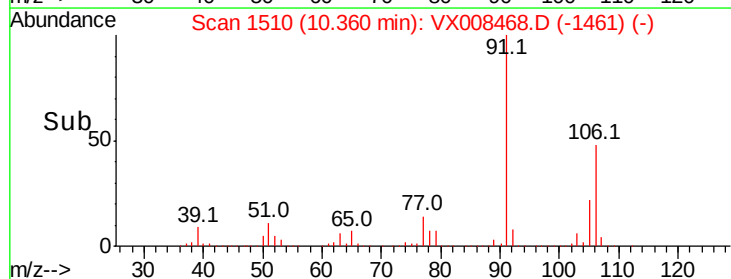
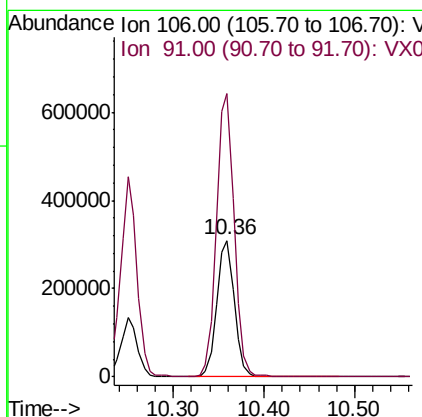
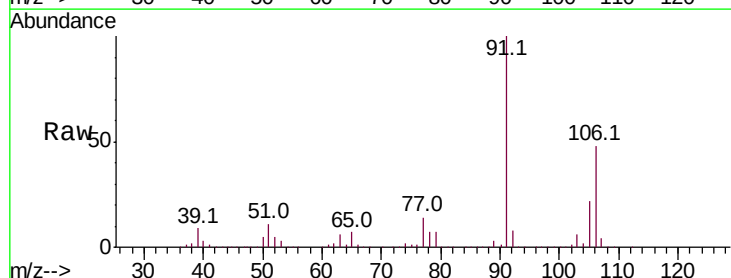
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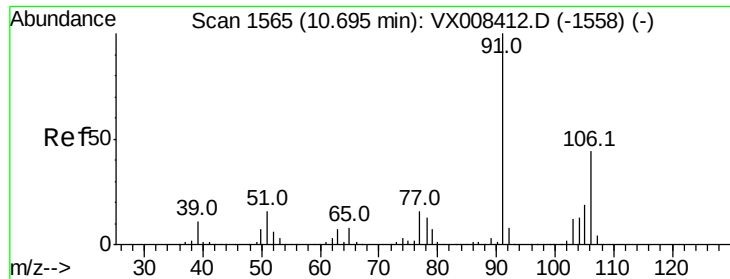
MMDadoda
3/27/2019 10:42:04 AM



#68
m/p-Xylenes
Concen: 94.979 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX008468.D
Acq: 26 Mar 2019 20:41

Tgt Ion: 106 Resp: 419103
Ion Ratio Lower Upper
106 100
91 209.9 168.6 253.0





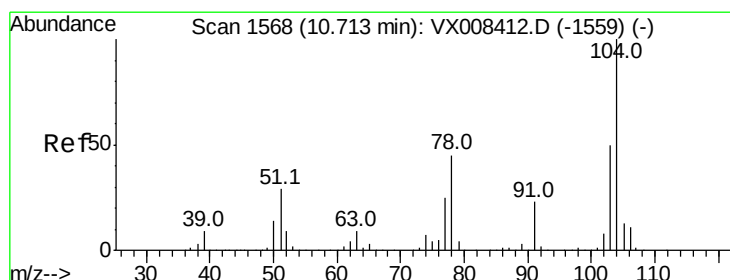
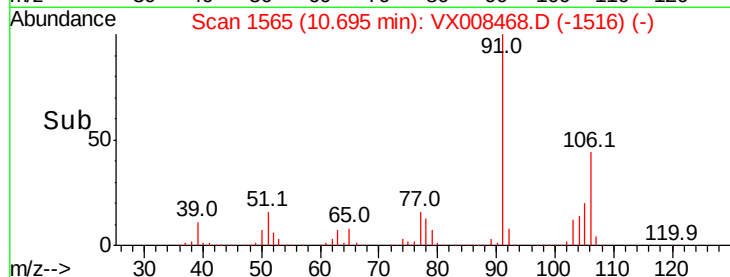
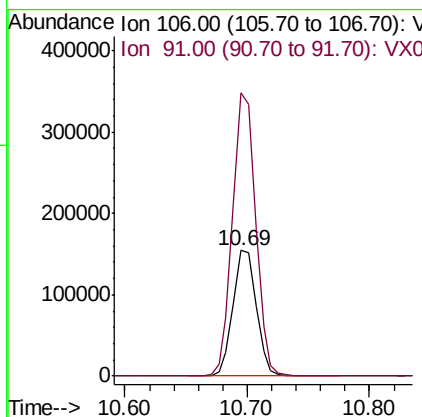
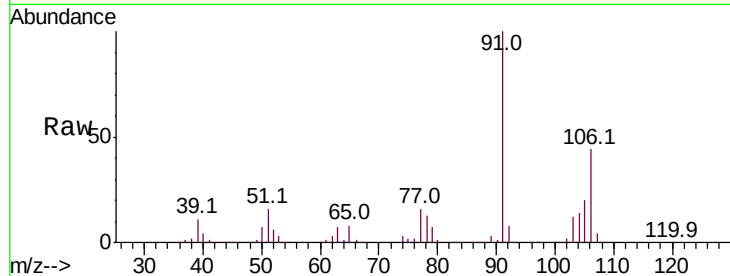
#69
o-Xylene
Concen: 47.736 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX008468.D
Acq: 26 Mar 2019 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 204410
Ion Ratio Lower Upper
106 100
91 222.8 111.4 334.2

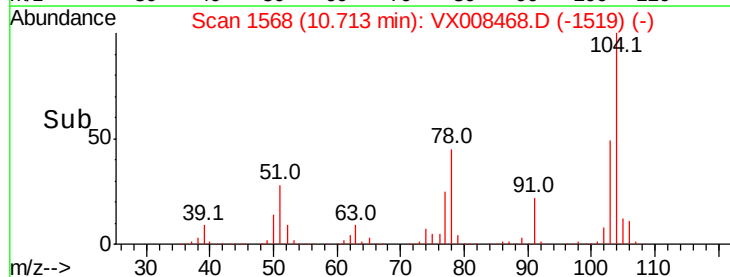
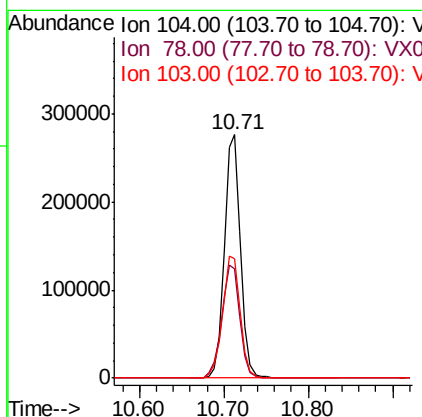
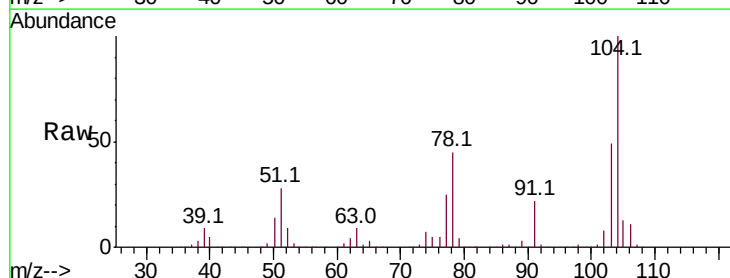
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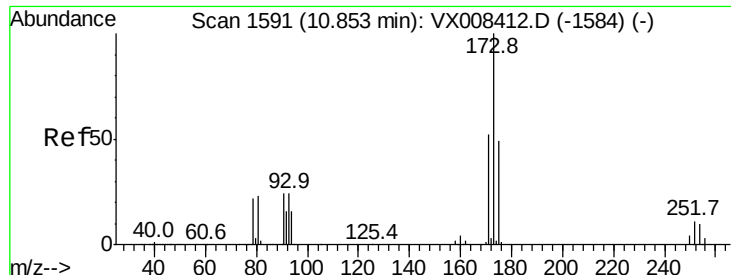
MMDadoda
3/27/2019 10:42:04 AM



#70
Styrene
Concen: 49.120 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008468.D
Acq: 26 Mar 2019 20:41

Tgt Ion:104 Resp: 363325
Ion Ratio Lower Upper
104 100
78 52.3 42.5 63.7
103 55.0 44.2 66.4





#71

Bromoform

Concen: 49.875 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX008468.D

Acq: 26 Mar 2019 20:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 87335

Ion Ratio Lower Upper

173 100

175 48.3 24.3 72.8

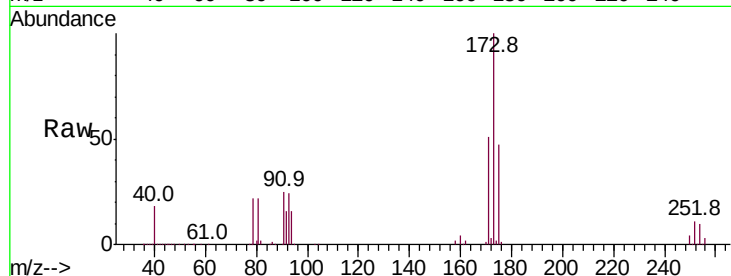
254 0.2 0.2 0.2

Manual Integrations

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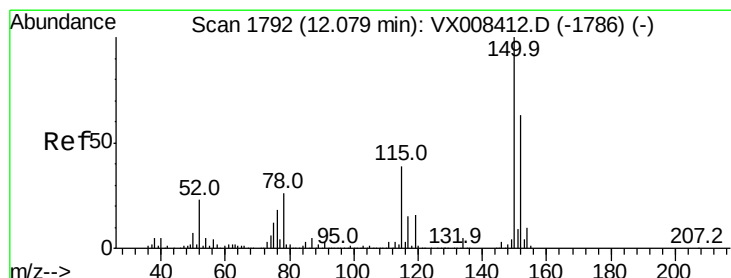
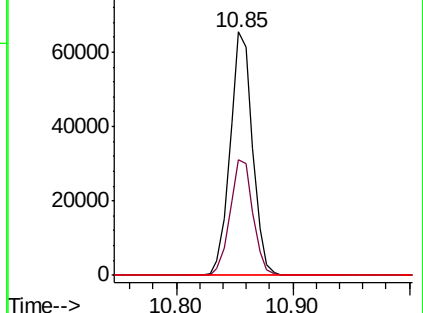
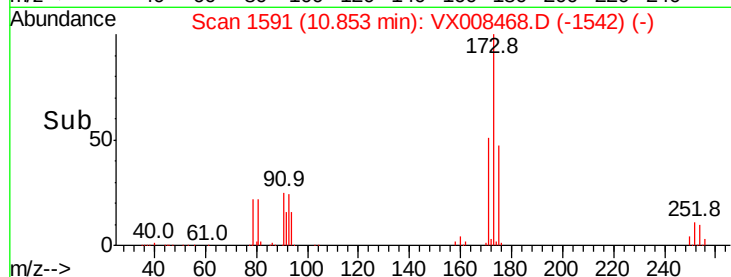
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008468.D

Acq: 26 Mar 2019 20:41

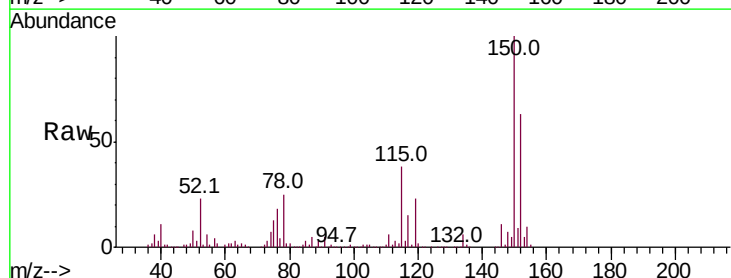
Tgt Ion:152 Resp: 143444

Ion Ratio Lower Upper

152 100

115 84.6 43.5 130.5

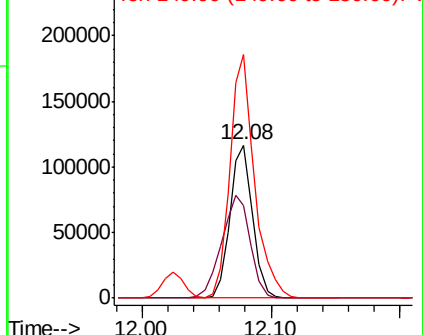
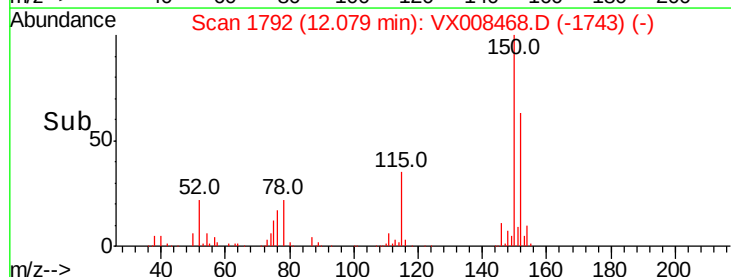
150 172.0 0.0 348.8

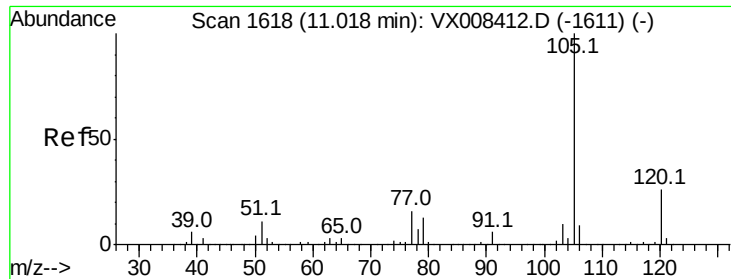


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





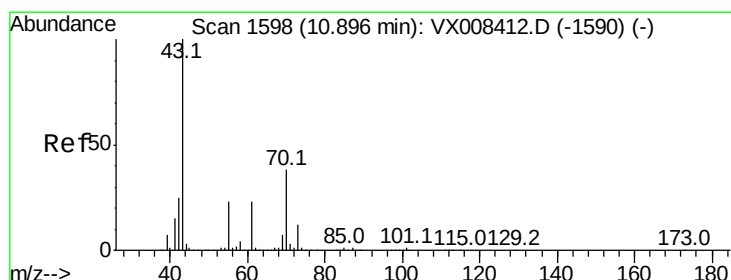
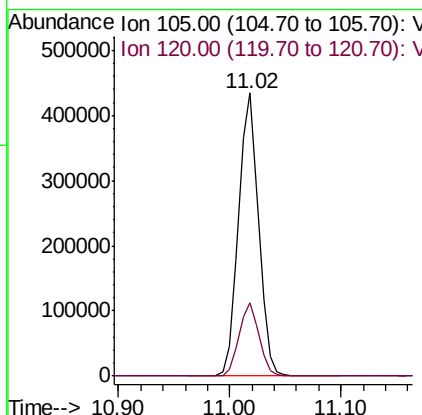
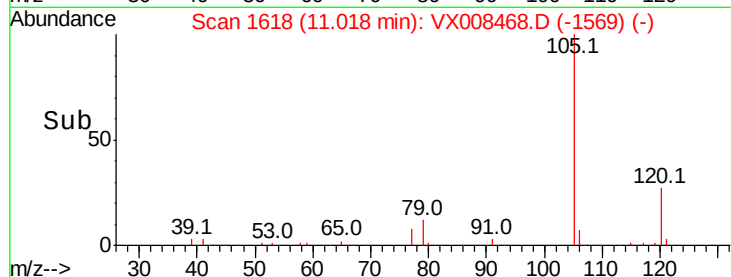
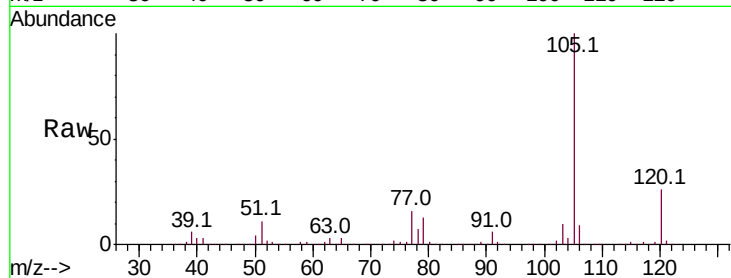
#73
Isopropylbenzene
Concen: 46.445 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX008468.D
Acq: 26 Mar 2019 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 105 Resp: 542013
Ion Ratio Lower Upper
105 100
120 25.6 12.9 38.7

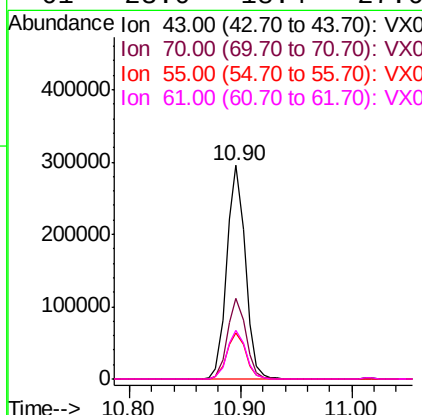
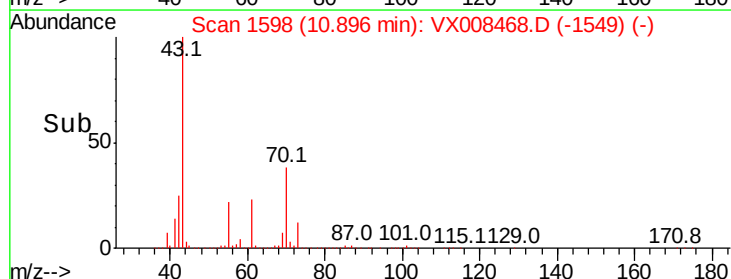
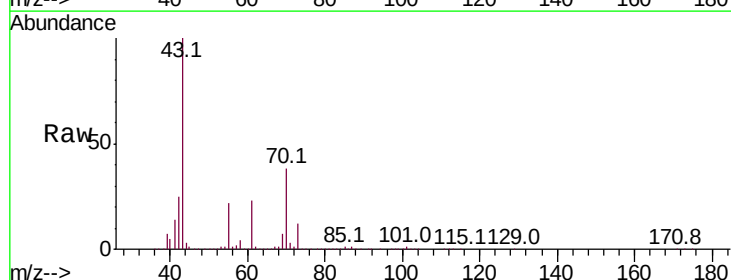
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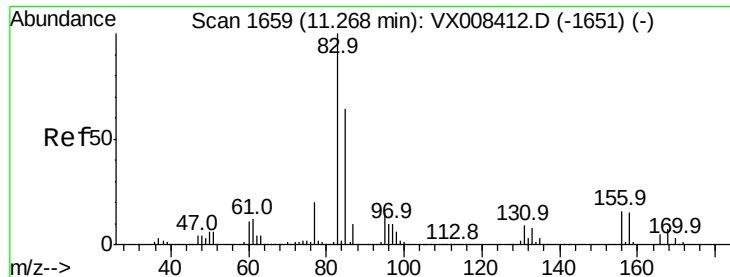
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#74
N-ethyl acetate
Concen: 50.233 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX008468.D
Acq: 26 Mar 2019 20:41

Tgt Ion: 43 Resp: 339306
Ion Ratio Lower Upper
43 100
70 37.9 30.5 45.7
55 22.3 18.2 27.2
61 23.0 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 47.023 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008468.D

Acq: 26 Mar 2019 20:41

Instrument :

MSVOA_X

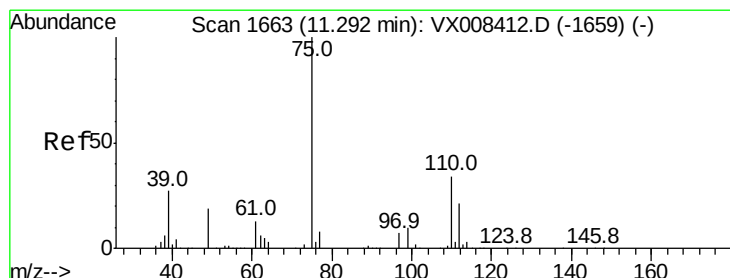
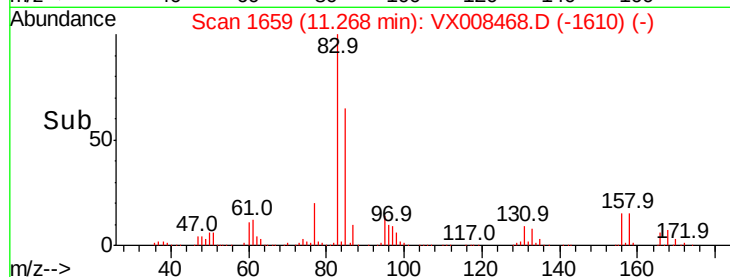
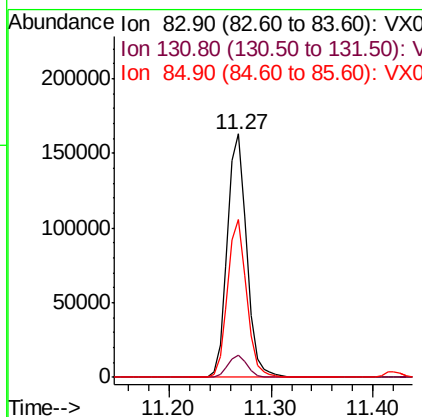
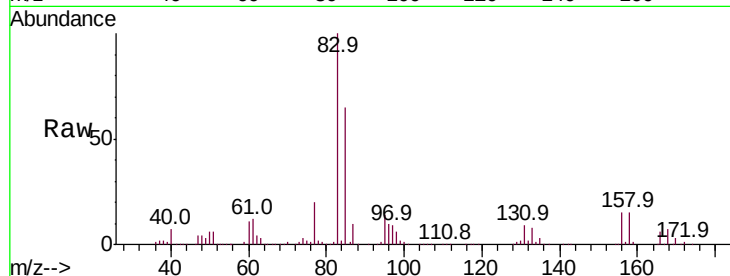
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	212914
Ion Ratio	Lower	Upper	
83	100		
131	8.9	4.5	13.4
85	63.9	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 41.464 ug/l m

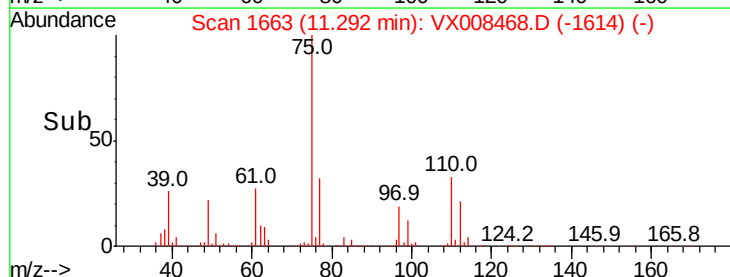
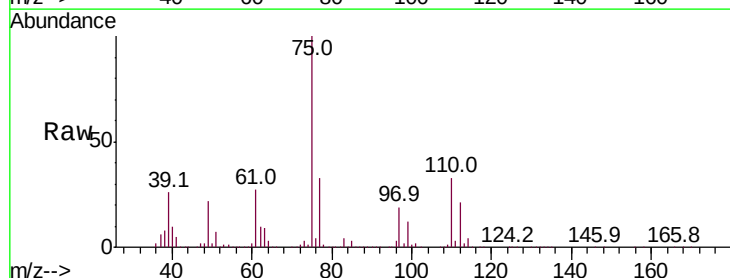
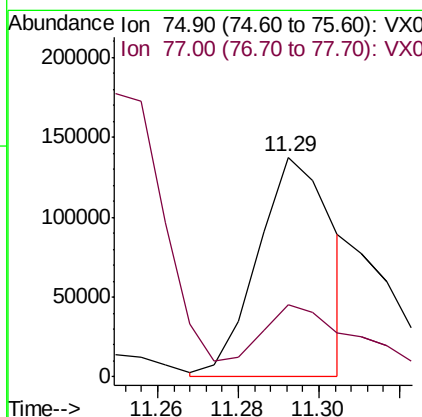
RT: 11.29 min Scan# 1663

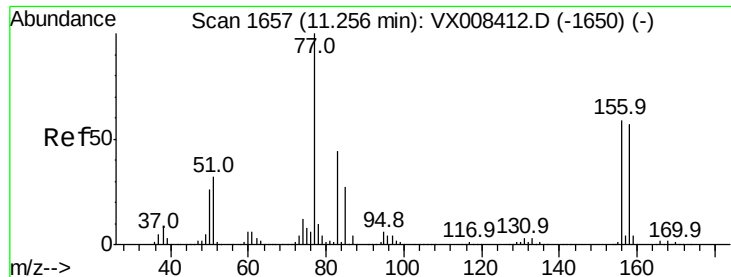
Delta R.T. 0.00 min

Lab File: VX008468.D

Acq: 26 Mar 2019 20:41

Tgt Ion:	75	Resp:	176824
Ion Ratio	Lower	Upper	
75	100		
77	44.0	21.9	65.7





#77

Bromobenzene

Concen: 45.463 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008468.D

Acq: 26 Mar 2019 20:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 128765

Ion Ratio Lower Upper

156 100

77 182.6 91.1 273.3

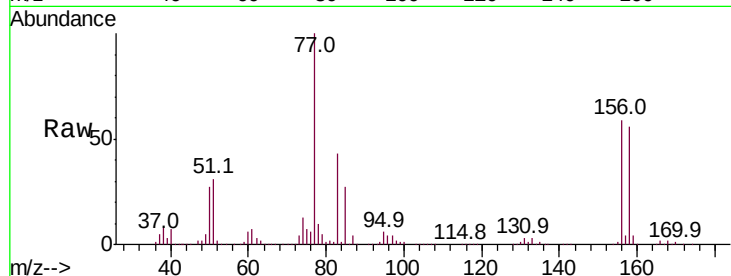
158 97.5 48.3 144.8

Manual Integrations

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MMDadoda

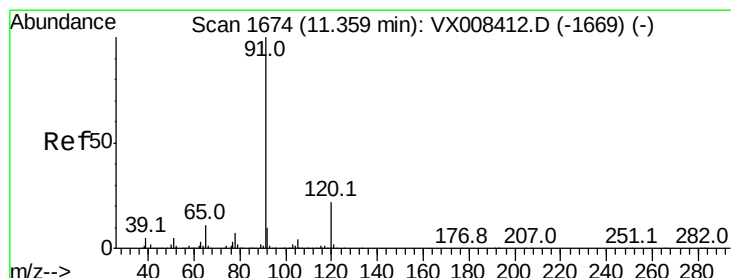
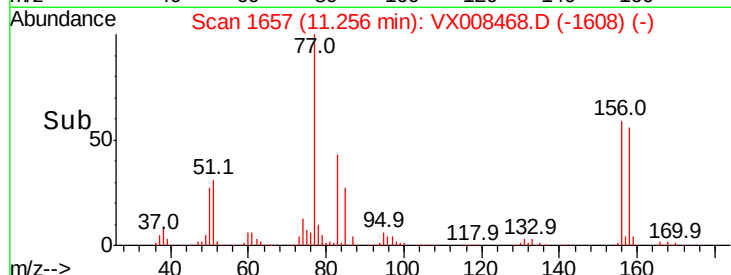
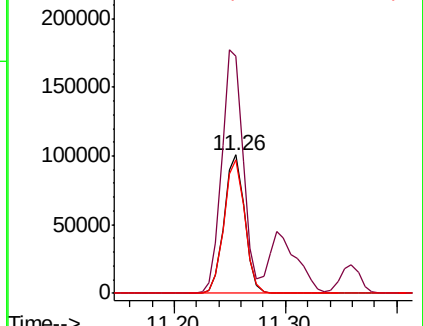
3/27/2019 10:42:04 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.646 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008468.D

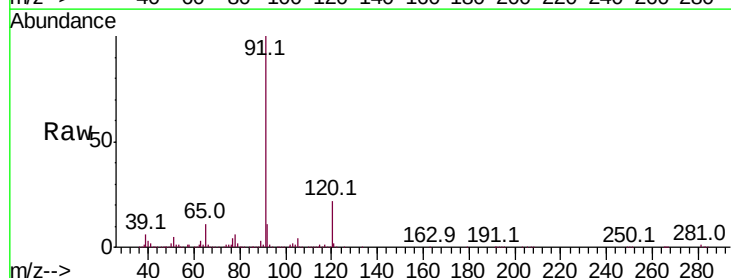
Acq: 26 Mar 2019 20:41

Tgt Ion: 91 Resp: 637675

Ion Ratio Lower Upper

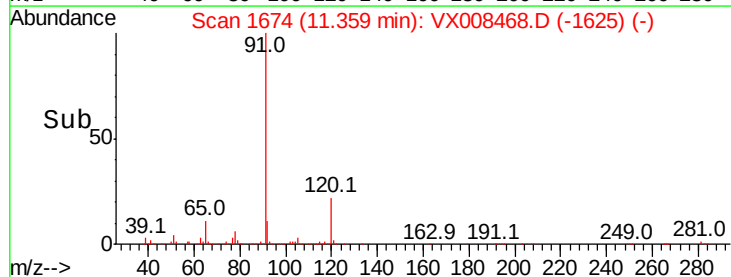
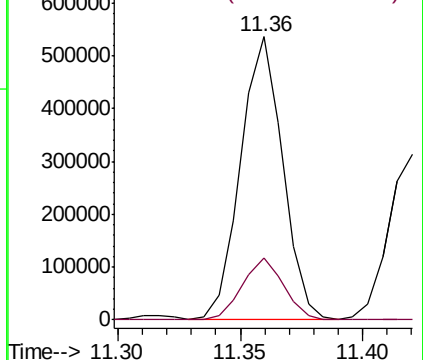
91 100

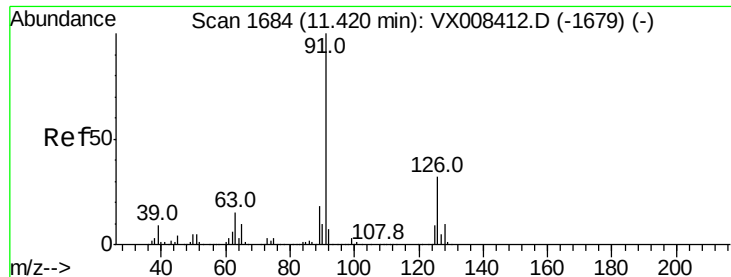
120 21.7 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 45.776 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008468.D

Acq: 26 Mar 2019 20:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 380623

Ion Ratio Lower Upper

91 100

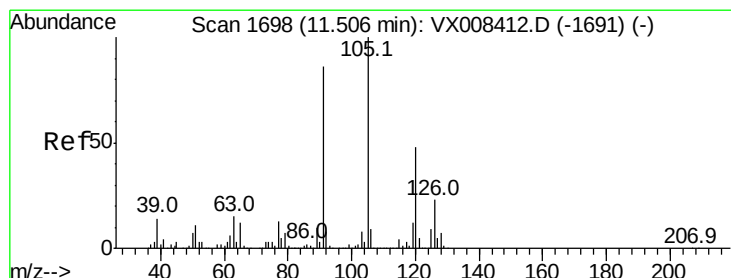
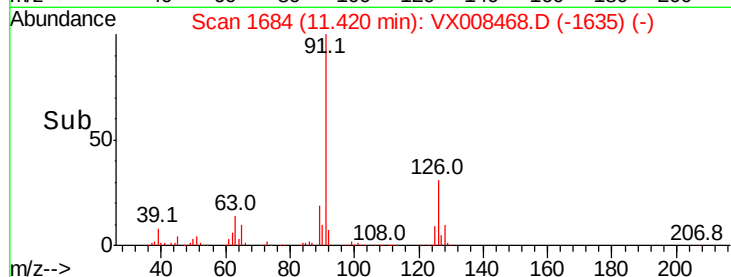
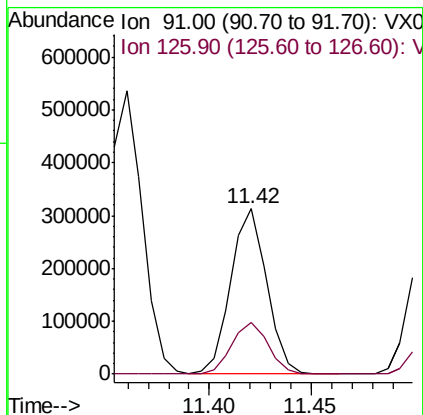
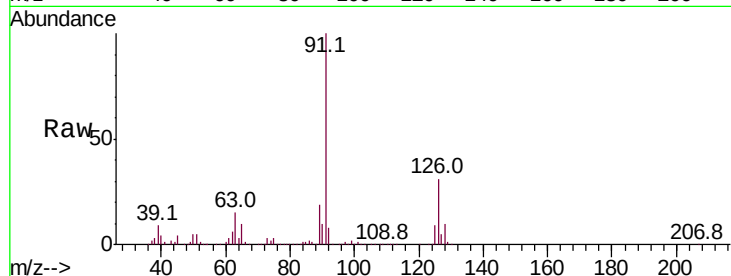
126 31.9 15.7 47.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 46.929 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008468.D

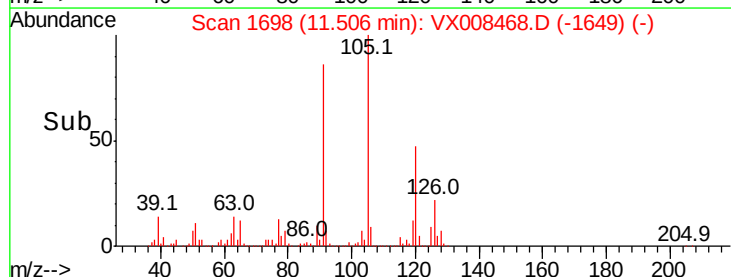
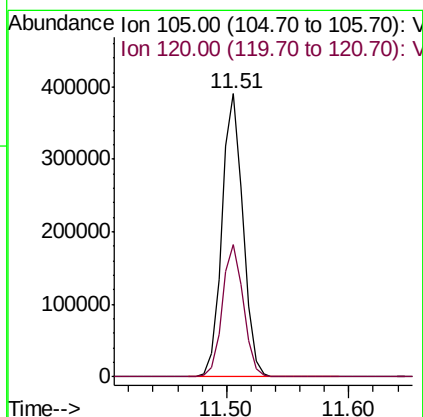
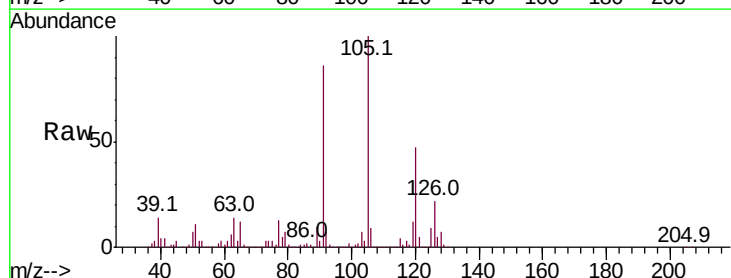
Acq: 26 Mar 2019 20:41

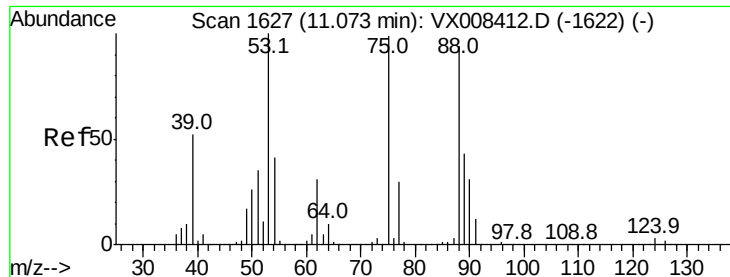
Tgt Ion: 105 Resp: 462999

Ion Ratio Lower Upper

105 100

120 47.1 23.4 70.3





#81

trans-1,4-Dichloro-2-butene

Concen: 49.474 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008468.D

Acq: 26 Mar 2019 20:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 65873

Ion Ratio Lower Upper

75 100

53 105.9 82.1 123.1

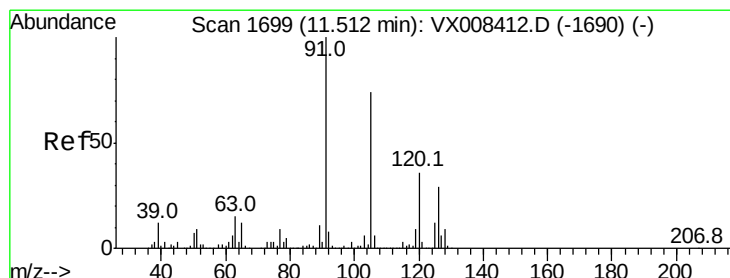
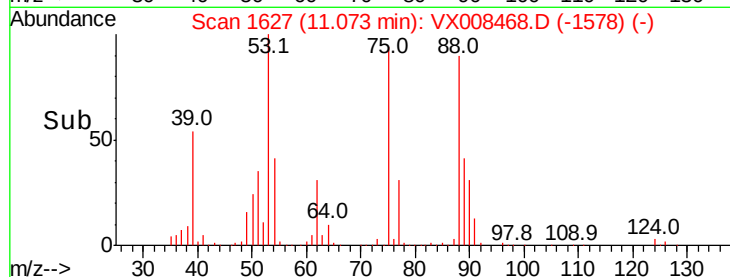
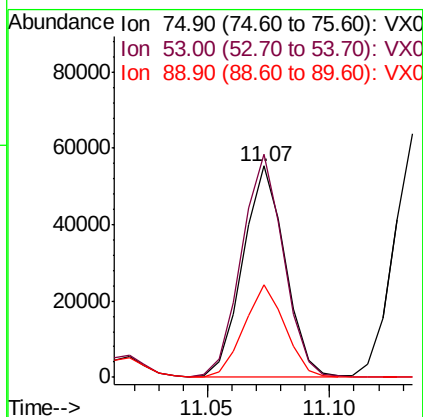
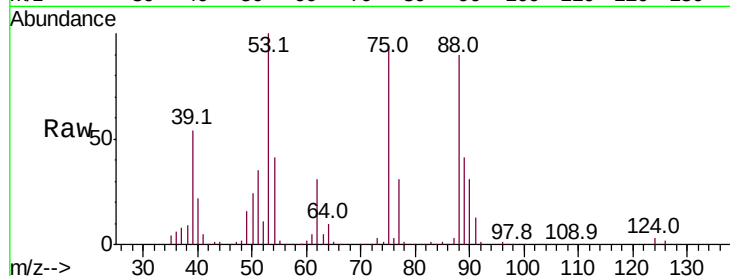
89 43.2 34.6 52.0

Manual Integrations

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#82

4-Chlorotoluene

Concen: 46.271 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX008468.D

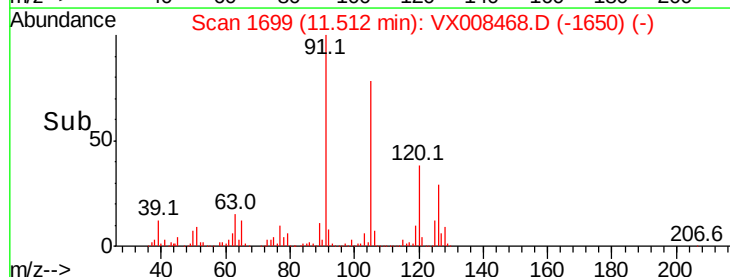
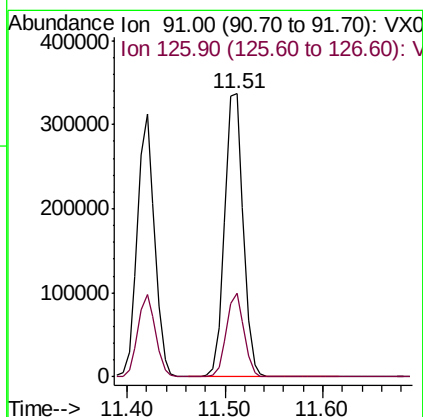
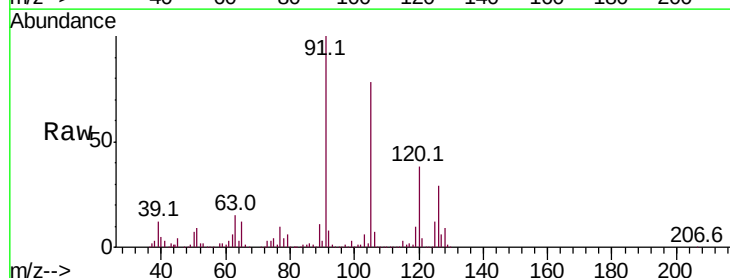
Acq: 26 Mar 2019 20:41

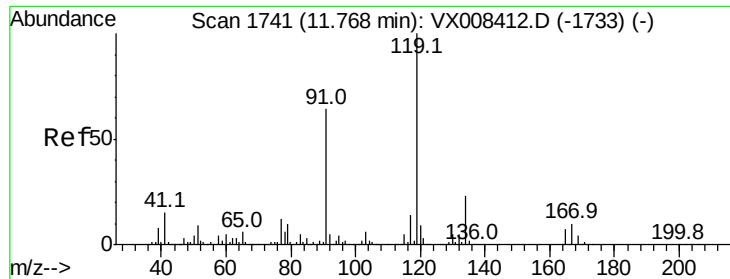
Tgt Ion: 91 Resp: 443796

Ion Ratio Lower Upper

91 100

126 28.1 13.9 41.7





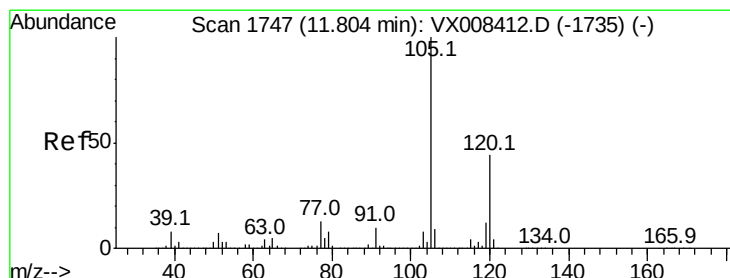
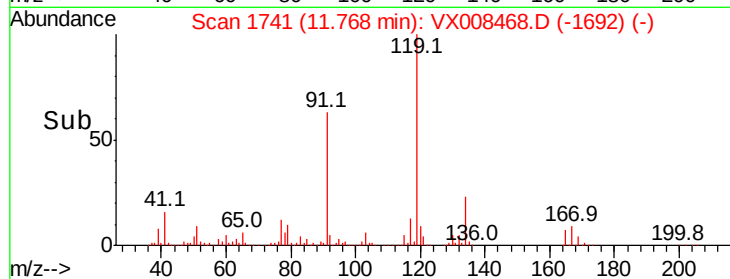
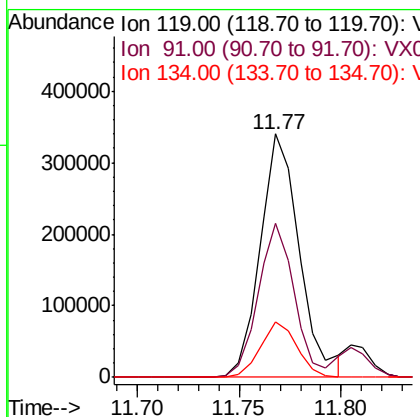
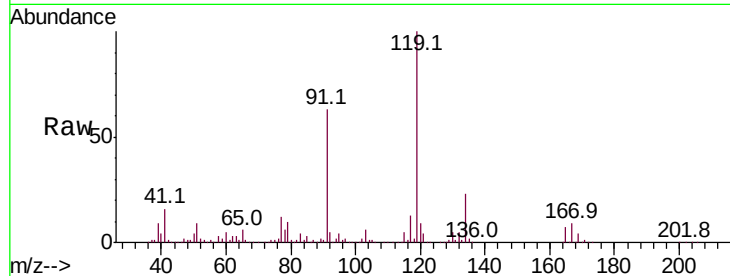
#83
 tert-Butylbenzene
 Concen: 47.843 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX008468.D
 Acq: 26 Mar 2019 20:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.3	30.1	90.3
134	21.4	10.9	32.9

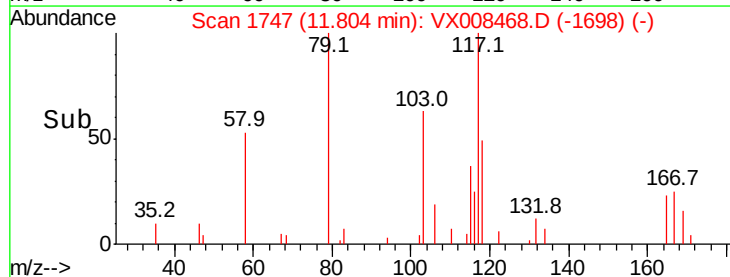
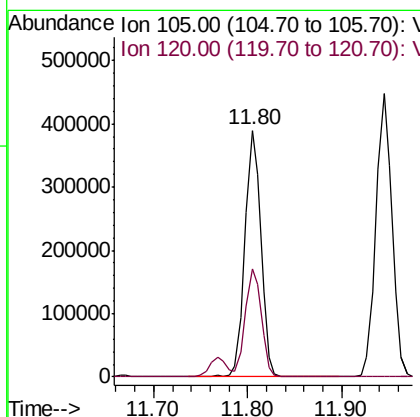
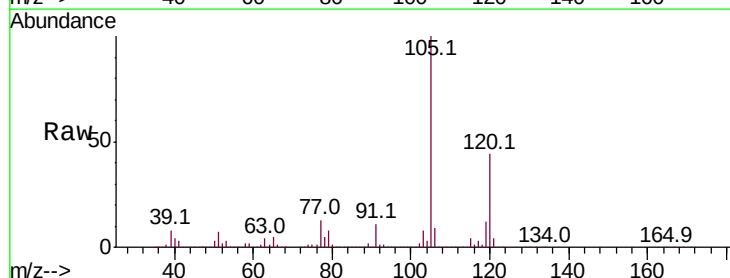
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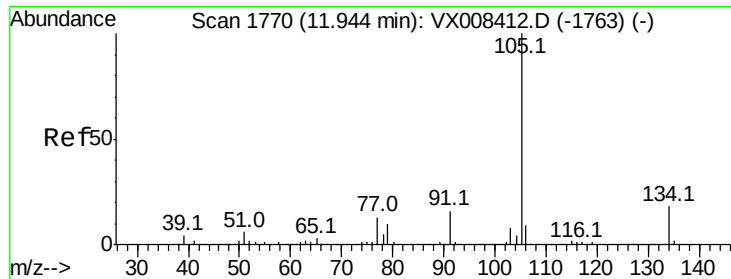
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 46.384 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX008468.D
 Acq: 26 Mar 2019 20:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.6	21.6	65.0





#85

sec-Butylbenzene

Concen: 46.874 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008468.D

Acq: 26 Mar 2019 20:41

Instrument :

MSVOA_X

ClientSampleID :

VSTDCCC050EC

Tot Ion:105 Resp: 531340

Ion Ratio Lower Upper

105 100

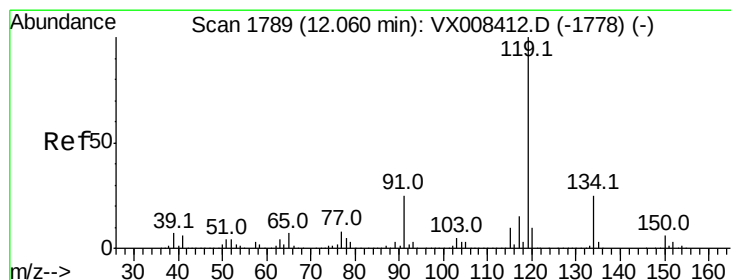
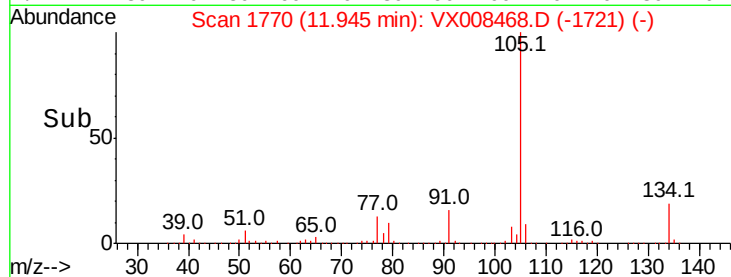
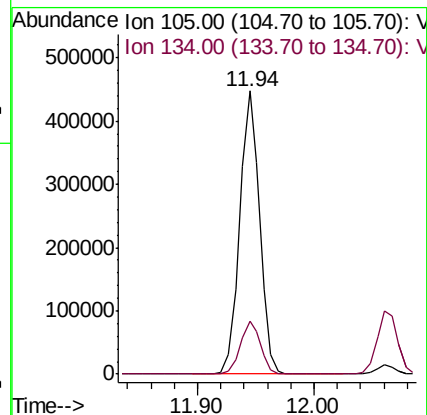
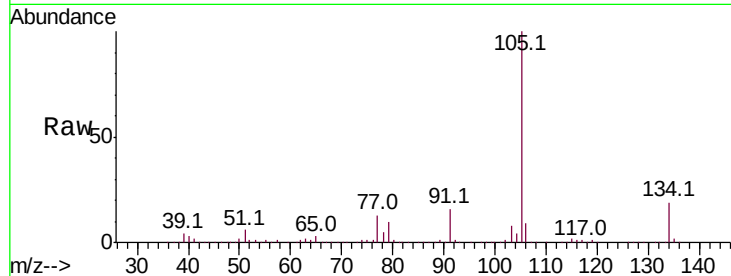
134 18.8 9.3 28.0

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#86

p-Isopropyltoluene

Concen: 47.371 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008468.D

Acq: 26 Mar 2019 20:41

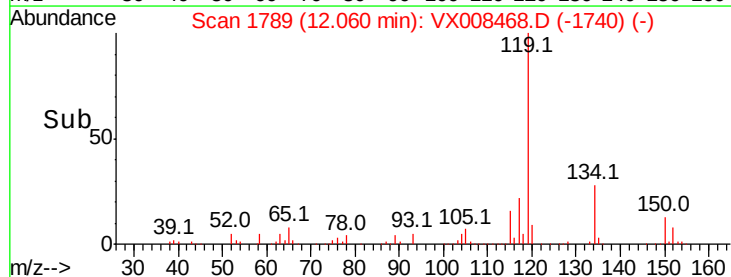
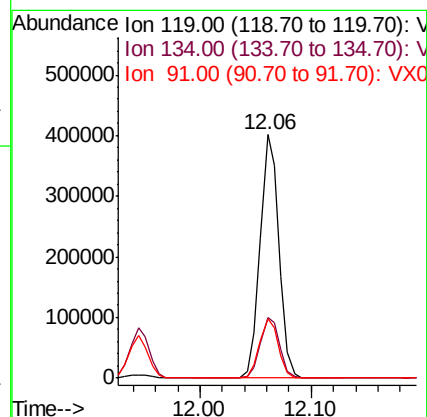
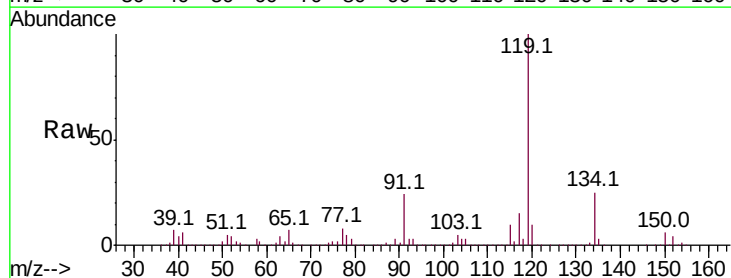
Tgt Ion:119 Resp: 473817

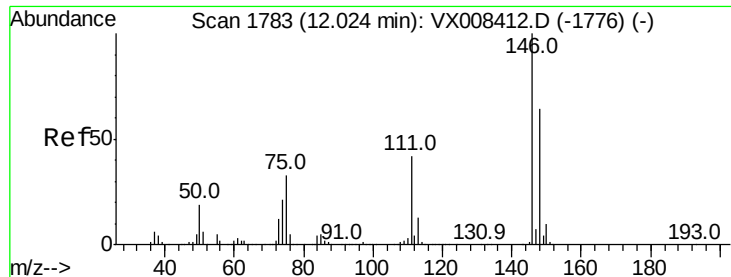
Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.4

91 24.4 12.4 37.0





#87

1,3-Dichlorobenzene

Concen: 46.122 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX008468.D

Acq: 26 Mar 2019 20:41

Instrument :

MSVOA_X

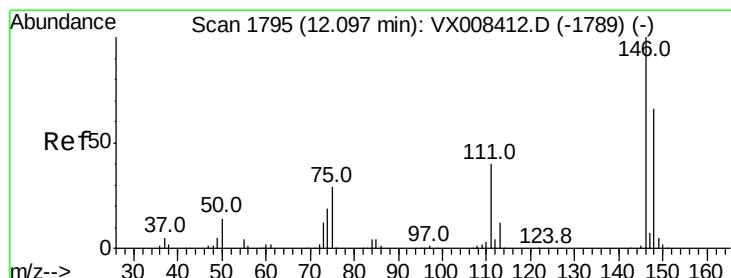
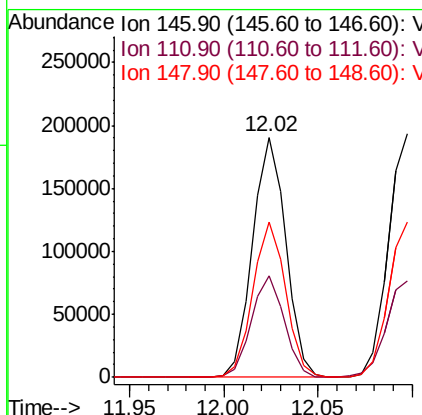
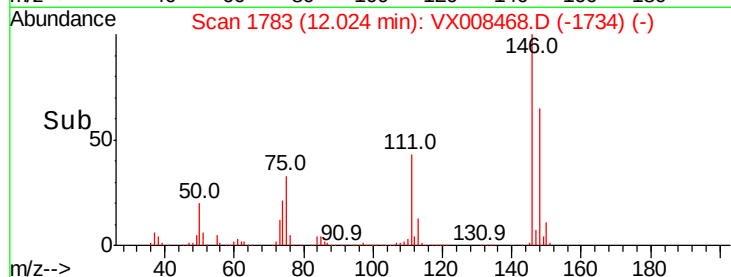
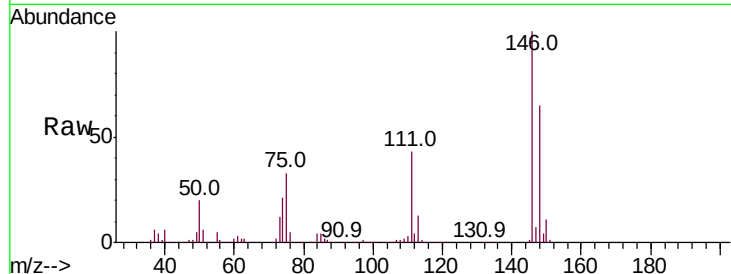
ClientSampleID :

VSTDCCC050EC

Tot Ion:	146	Resp:	233398
Ion Ratio	Lower	Upper	
146	100		
111	42.0	20.8	62.5
148	63.7	32.0	96.0

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#88

1,4-Dichlorobenzene

Concen: 45.794 ug/l

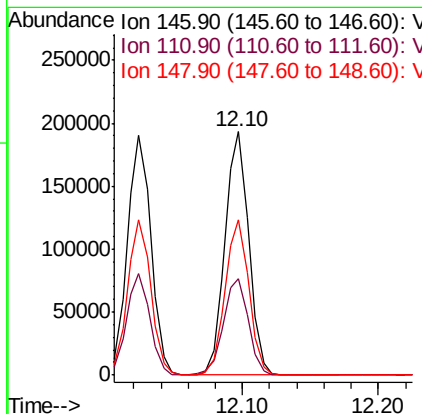
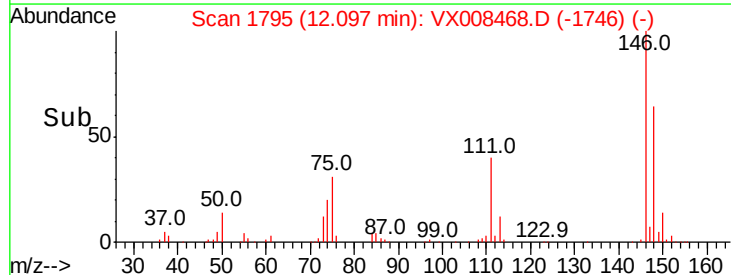
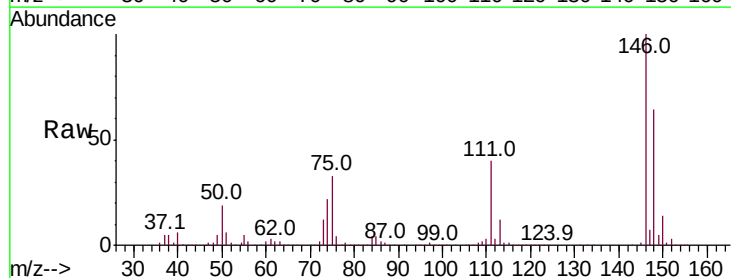
RT: 12.10 min Scan# 1795

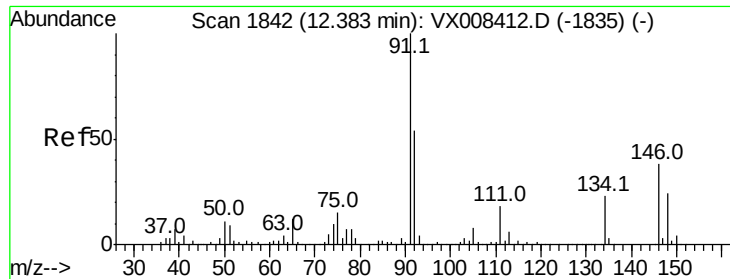
Delta R.T. 0.00 min

Lab File: VX008468.D

Acq: 26 Mar 2019 20:41

Tgt Ion:	146	Resp:	233878
Ion Ratio	Lower	Upper	
146	100		
111	41.2	20.3	61.0
148	63.9	32.1	96.5





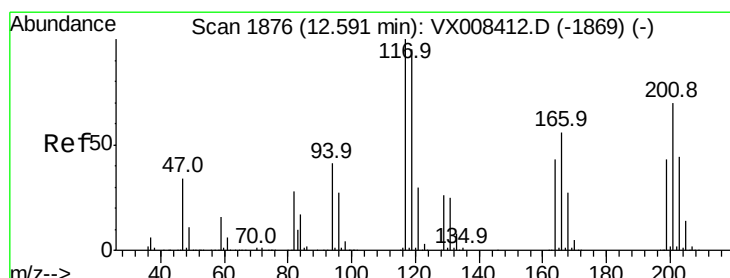
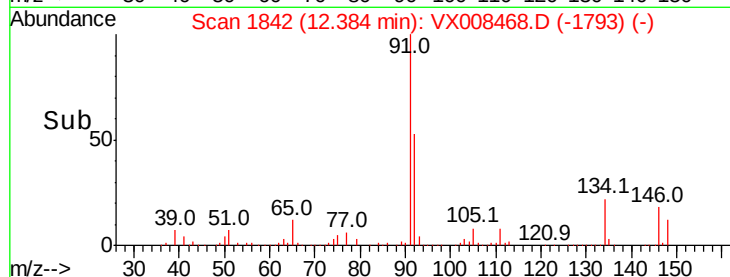
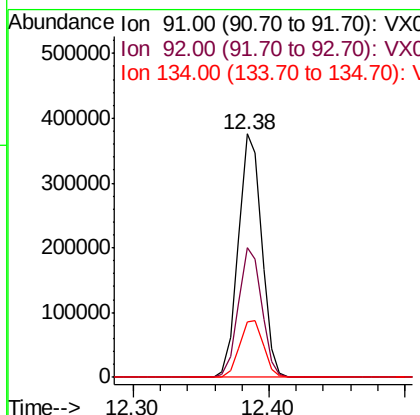
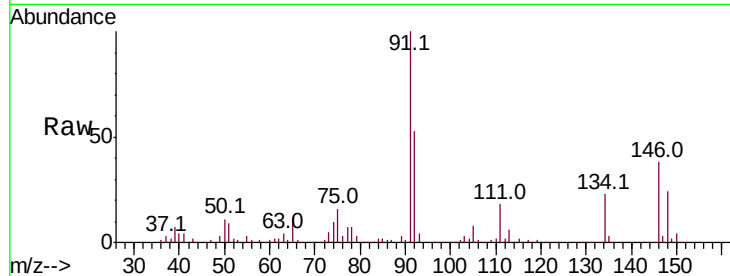
#89
n-Butylbenzene
Concen: 47.357 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX008468.D
Acq: 26 Mar 2019 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.5	79.5
134	23.9	11.8	35.4

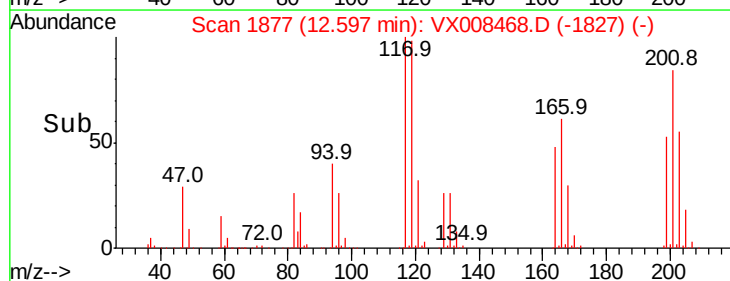
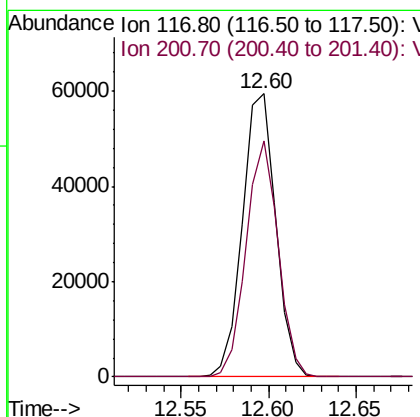
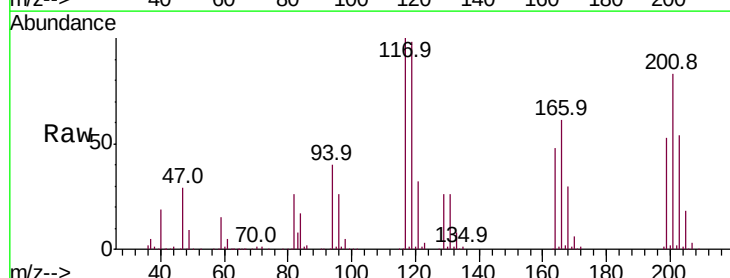
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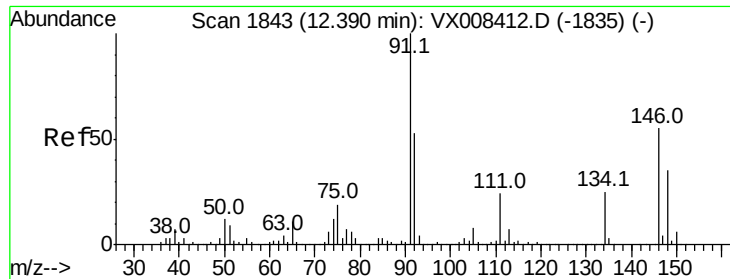
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#90
Hexachloroethane
Concen: 47.316 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VX008468.D
Acq: 26 Mar 2019 20:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.8	39.4	118.1





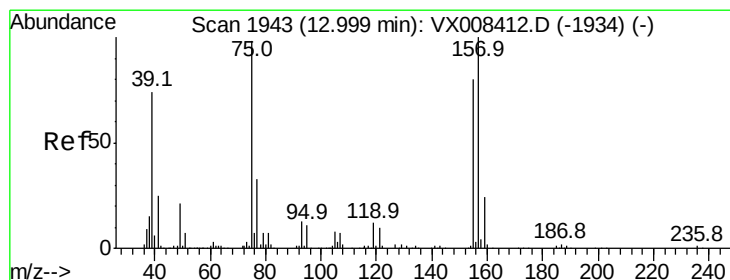
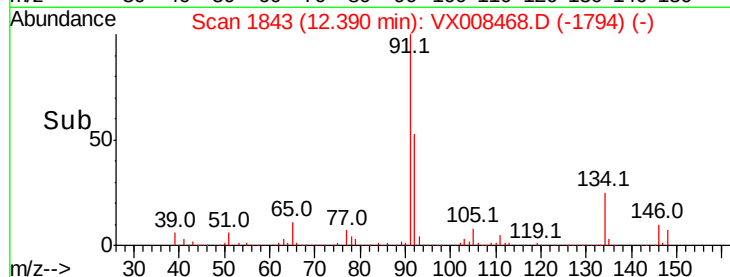
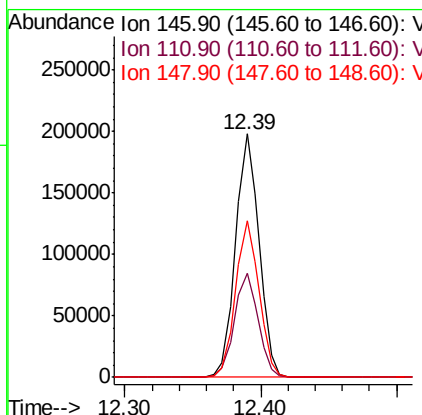
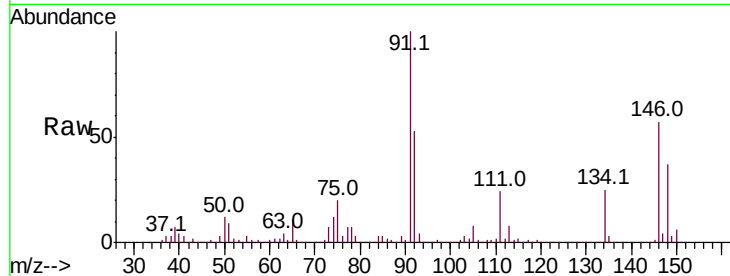
#91
 1,2-Dichlorobenzene
 Concen: 46.971 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008468.D
 Acq: 26 Mar 2019 20:41

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.6	64.6
148	63.9	31.9	95.7

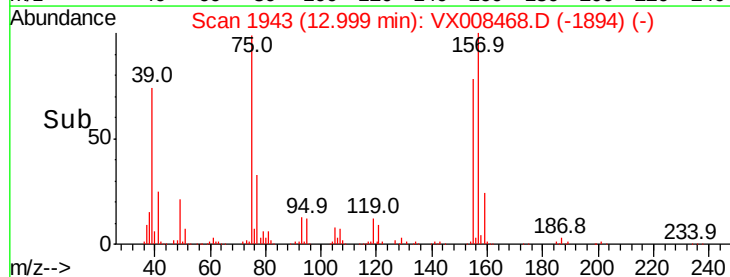
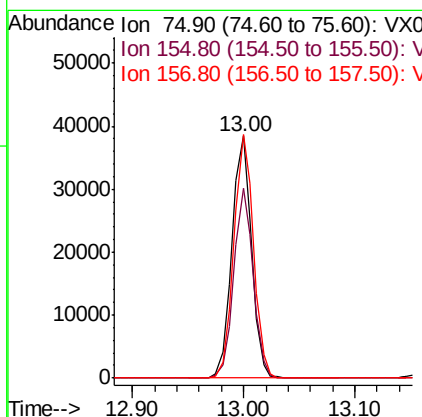
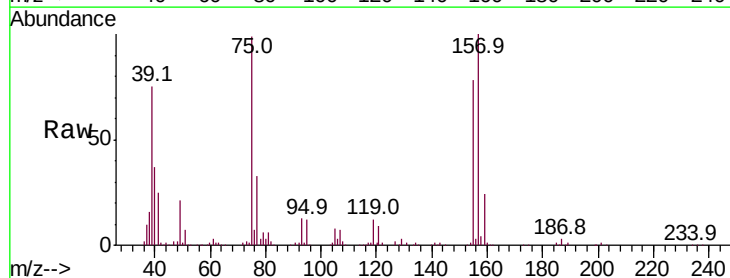
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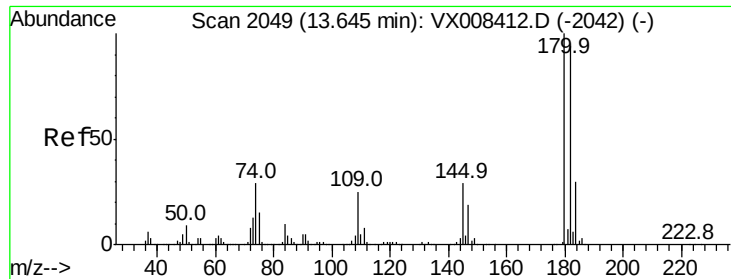
MMDadoda
 3/27/2019 10:42:04 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.172 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX008468.D
 Acq: 26 Mar 2019 20:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.5	39.5	118.5
157	100.7	49.9	149.7





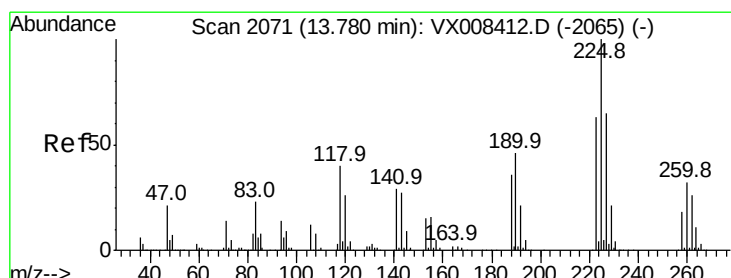
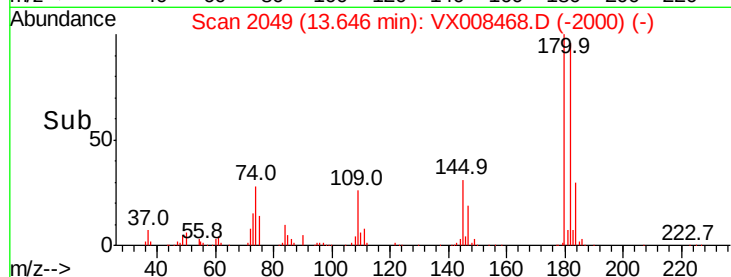
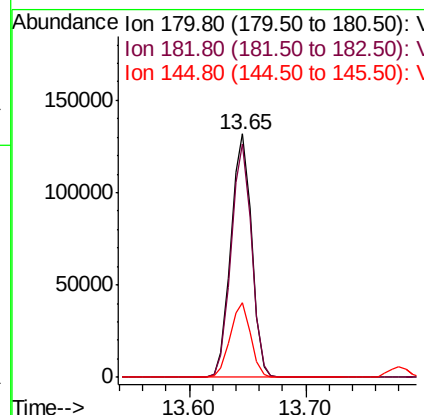
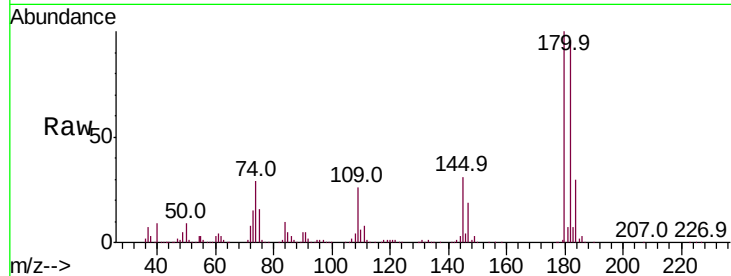
#93
 1,2,4-Trichlorobenzene
 Concen: 47.726 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008468.D
 Acq: 26 Mar 2019 20:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	162832		
182	95.0	47.3	142.0	
145	30.2	15.3	45.8	

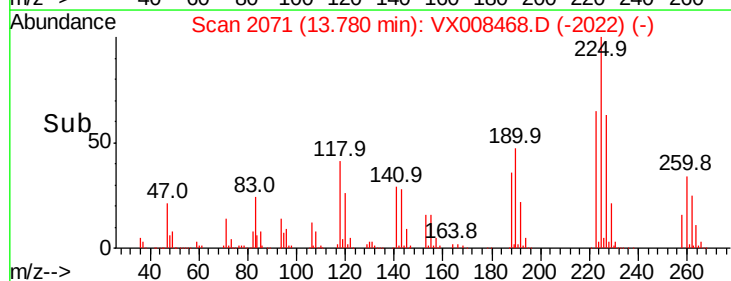
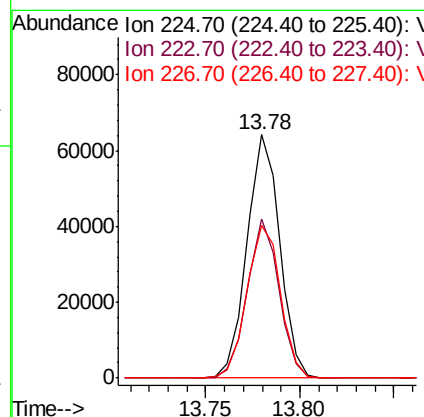
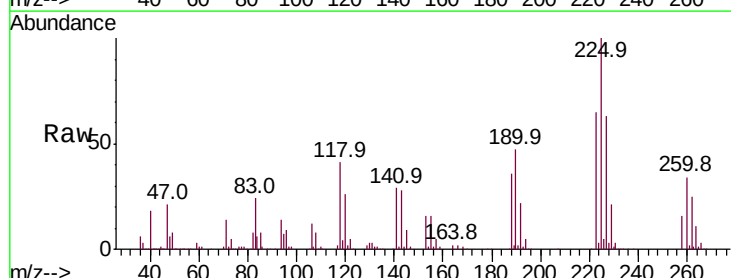
Manual Integrations
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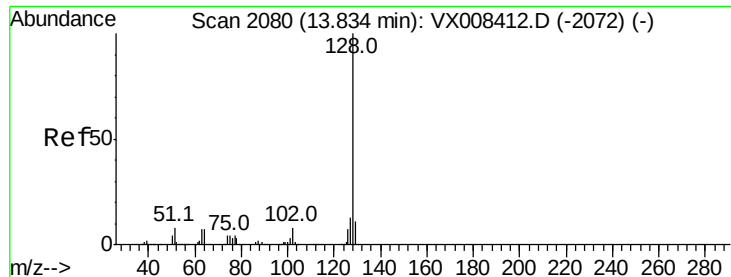
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 47.757 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008468.D
 Acq: 26 Mar 2019 20:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	77368		
223	63.5	31.4	94.0	
227	64.6	31.9	95.9	





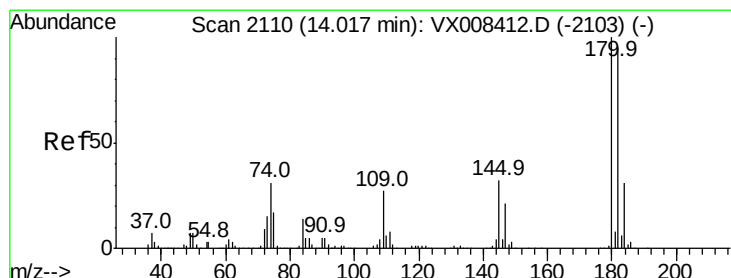
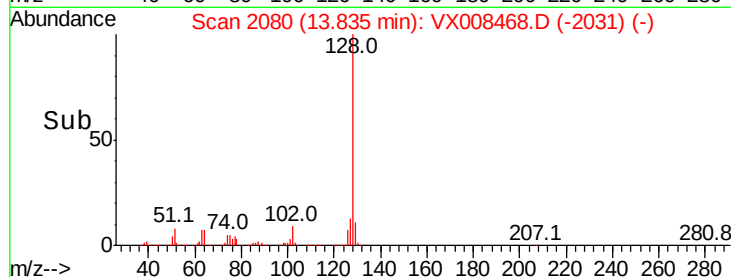
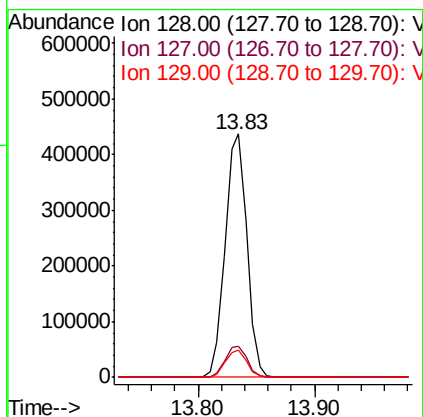
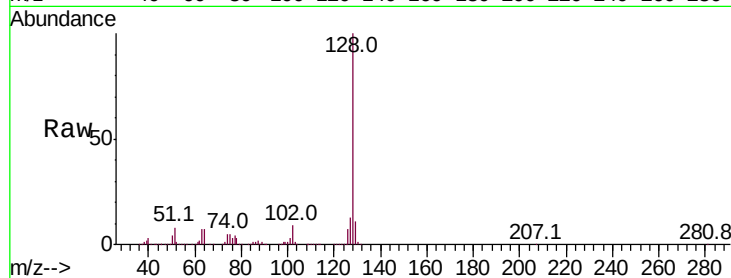
#95
Naphthalene
Concen: 48.181 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX008468.D
Acq: 26 Mar 2019 20:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/27/2019 10:42:04 AM



#96
1,2,3-Trichlorobenzene
Concen: 47.334 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX008468.D
Acq: 26 Mar 2019 20:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.3	142.0
145	32.4	16.2	48.5

