

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040319\
 Data File : VX008612.D
 Acq On : 03 Apr 2019 12:16
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 4/4/2019 3:38:41 PM

Quant Time: Apr 04 04:37:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:04:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	191732	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	321327	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	281591	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	122184	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	2459	1.114 ug/l	96
3) Chloromethane	1.32	50	3768	1.236 ug/l	96
4) Vinyl Chloride	1.41	62	3221	1.080 ug/l	90
5) Bromomethane	1.64	94	2357	1.481 ug/l	99
6) Chloroethane	1.72	64	3163m	1.509 ug/l	
7) Trichlorofluoromethane	1.93	101	3484	1.056 ug/l	99
8) Diethyl Ether	2.18	74	1701	1.088 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	2245	1.057 ug/l	92
12) 1,1-Dichloroethene	2.38	96	2545	1.148 ug/l #	75
14) Allyl chloride	2.73	41	5426	1.069 ug/l	94
15) Acrylonitrile	3.15	53	9548	5.505 ug/l	99
16) Acetone	2.44	43	8433	5.236 ug/l	94
17) Carbon Disulfide	2.57	76	10117	1.421 ug/l	97
18) Methyl Acetate	2.77	43	4561	1.168 ug/l	99
19) Methyl tert-butyl Ether	3.20	73	7503	0.948 ug/l	91
20) Methylene Chloride	2.85	84	3284	1.218 ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	2807	1.171 ug/l	96
22) Diisopropyl ether	3.85	45	10115	1.034 ug/l #	75
23) Vinyl Acetate	3.82	43	39727	4.669 ug/l	99
24) 1,1-Dichloroethane	3.70	63	4927	1.017 ug/l	95
25) 2-Butanone	4.68	43	12637	4.964 ug/l	98
26) 2,2-Dichloropropane	4.59	77	3298	0.967 ug/l	88
27) cis-1,2-Dichloroethene	4.60	96	3103	1.126 ug/l	97
28) Bromochloromethane	5.02	49	2898	1.261 ug/l	90
29) Tetrahydrofuran	5.14	42	9150	5.415 ug/l	99
30) Chloroform	5.21	83	4435	1.025 ug/l	90
31) Cyclohexane	5.58	56	5249	1.086 ug/l	89
32) 1,1,1-Trichloroethane	5.49	97	3406	0.975 ug/l #	51
36) 1,1-Dichloropropene	5.80	75	3992	1.137 ug/l	99
37) Ethyl Acetate	4.84	43	4533	0.967 ug/l #	86
38) Carbon Tetrachloride	5.79	117	2696	0.927 ug/l	97
39) Methylcyclohexane	7.46	83	4657	1.073 ug/l	96
40) Benzene	6.14	78	10688	1.021 ug/l	91
41) Methacrylonitrile	5.04	41	2897	1.075 ug/l #	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	6.19	62	3982	1.061	ug/l	98
43) Isopropyl Acetate	6.45	43	6885	0.937	ug/l	96
44) Trichloroethene	7.21	130	2538	1.041	ug/l	71
45) 1,2-Dichloropropane	7.52	63	3060	1.025	ug/l	89
46) Dibromomethane	7.66	93	1933	1.116	ug/l	96
47) Bromodichloromethane	7.90	83	3005	0.920	ug/l #	90
48) Methyl methacrylate	7.77	41	3706	0.998	ug/l	94
49) 1,4-Dioxane	7.75	88	1443	20.734	ug/l #	75
51) 4-Methyl-2-Pentanone	8.64	43	22051	4.664	ug/l	96
52) Toluene	8.78	92	6113	0.991	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	3168	0.866	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	3862	0.924	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	2498	1.009	ug/l	94
56) Ethyl methacrylate	9.18	69	4126	0.921	ug/l	97
57) 1,3-Dichloropropane	9.37	76	4528	1.018	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.31	63	10487	4.584	ug/l	99
59) 2-Hexanone	9.49	43	17366	4.726	ug/l	100
60) Dibromochloromethane	9.58	129	2056	0.881	ug/l	98
61) 1,2-Dibromoethane	9.67	107	2634	1.022	ug/l	97
64) Tetrachloroethene	9.34	164	2288	1.097	ug/l	92
65) Chlorobenzene	10.13	112	6532	1.046	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	2090	0.954	ug/l #	64
67) Ethyl Benzene	10.25	91	11389	0.978	ug/l	94
68) m/p-Xylenes	10.36	106	7986	1.908	ug/l	95
69) o-Xylene	10.69	106	3996	0.985	ug/l	99
70) Styrene	10.71	104	6519	0.932	ug/l	95
71) Bromoform	10.86	173	1357	0.811	ug/l #	90
73) Isopropylbenzene	11.02	105	10100	0.997	ug/l	98
74) N-amyl acetate	10.90	43	5828	0.978	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	4090	1.062	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	4027m	1.115	ug/l	
77) Bromobenzene	11.26	156	2539	1.043	ug/l	98
78) n-propylbenzene	11.36	91	11378	0.965	ug/l	99
79) 2-Chlorotoluene	11.42	91	7655	1.073	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	8117	0.955	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	1019	0.837	ug/l #	68
82) 4-Chlorotoluene	11.51	91	8812	1.067	ug/l	100
83) tert-Butylbenzene	11.77	119	7958	0.973	ug/l	96
84) 1,2,4-Trimethylbenzene	11.80	105	8306	0.965	ug/l	95
85) sec-Butylbenzene	11.94	105	9304	0.958	ug/l	97
86) p-Isopropyltoluene	12.06	119	8145	0.934	ug/l	91
87) 1,3-Dichlorobenzene	12.02	146	4818	1.106	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	5116m	1.159	ug/l	
89) n-Butylbenzene	12.38	91	7507	0.918	ug/l	99
90) Hexachloroethane	12.59	117	1308	0.905	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	4643	1.073	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	863	1.019	ug/l	92
93) 1,2,4-Trichlorobenzene	13.65	180	3316	1.102	ug/l	96
94) Hexachlorobutadiene	13.78	225	1401	0.971	ug/l	91
95) Naphthalene	13.83	128	10404	1.035	ug/l	97

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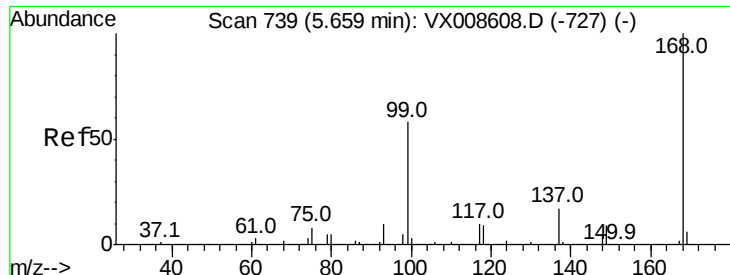
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	14.02	180	3277	1.090	ug/l	95

(#) = 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: VX008612.D

Acq: 03 Apr 2019 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 191732

Ion Ratio Lower Upper

168 100

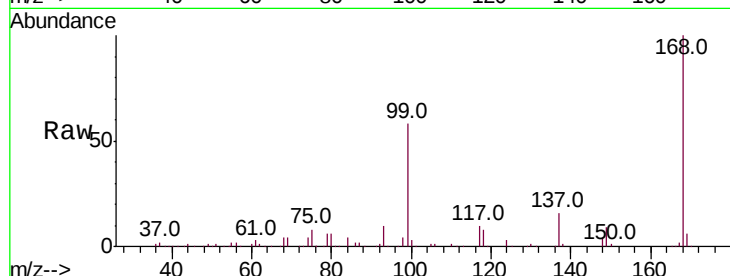
99 57.7 46.7 70.1

Manual Integrations

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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

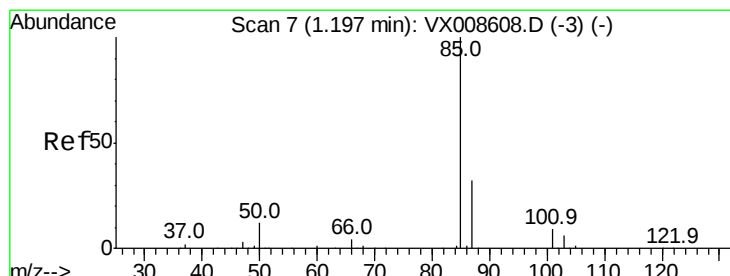
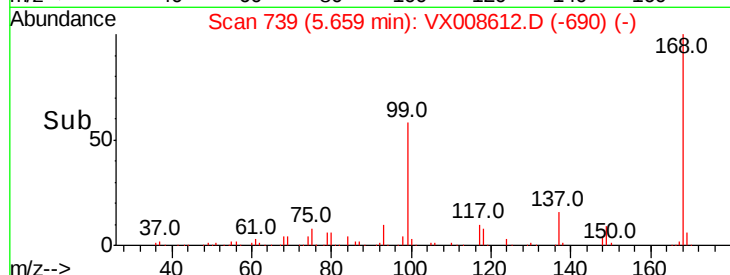
60000

40000

20000

0

5.50 5.60 5.70 5.80 5.90



#2

Dichlorodifluoromethane

Concen: 1.114 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008612.D

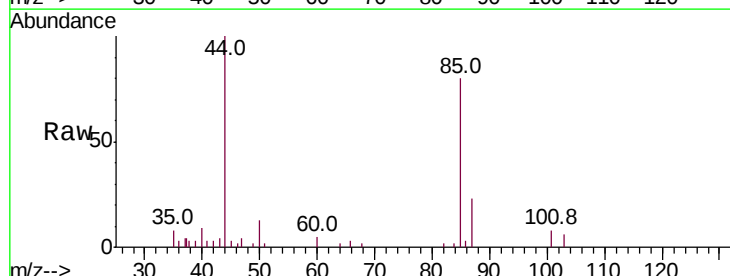
Acq: 03 Apr 2019 12:16

Tgt Ion: 85 Resp: 2459

Ion Ratio Lower Upper

85 100

87 29.5 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

2500

2000

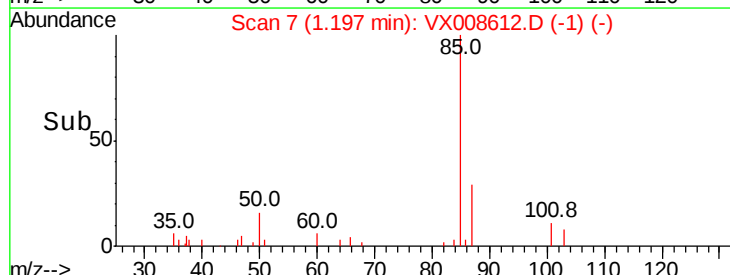
1500

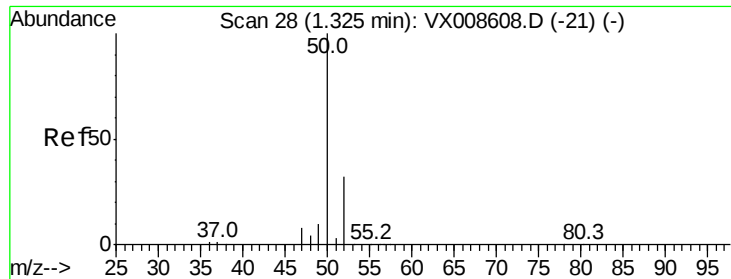
1000

500

0

1.15 1.20 1.25





#3

Chloromethane

Concen: 1.236 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008612.D

Acq: 03 Apr 2019 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 3768

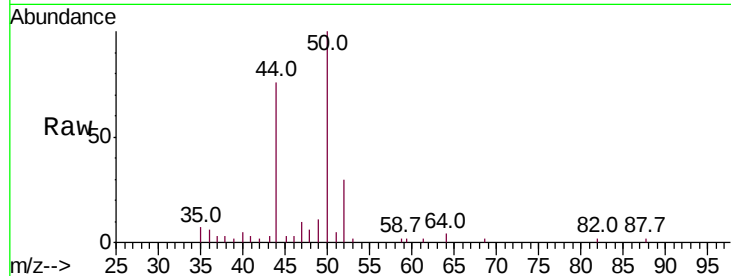
Ion Ratio Lower Upper

50 100

52 30.0 25.8 38.8

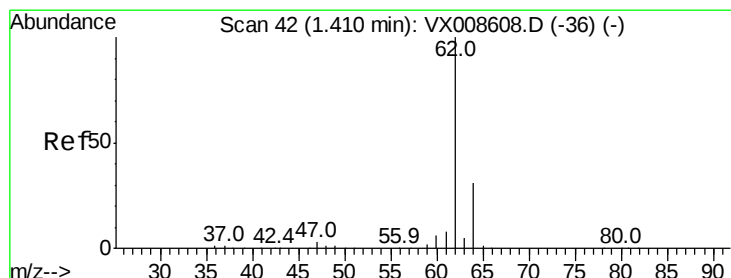
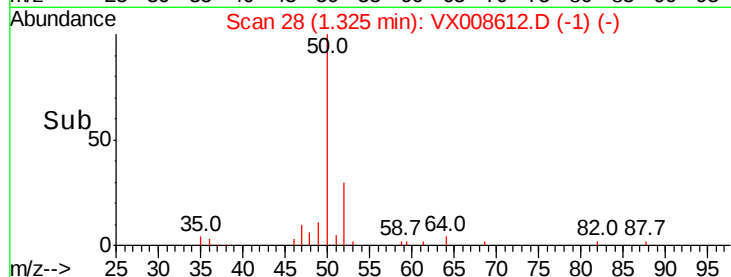
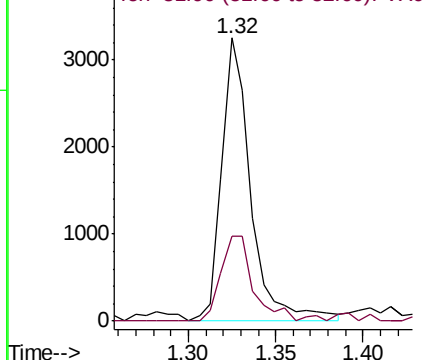
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 1.080 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX008612.D

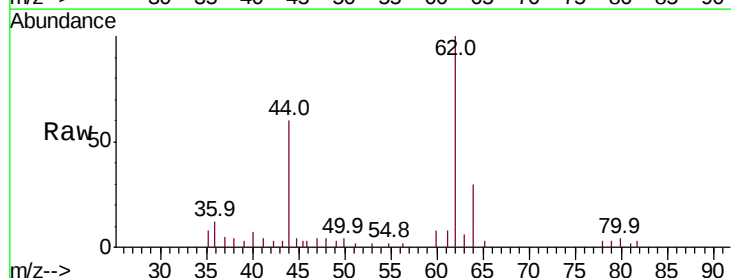
Acq: 03 Apr 2019 12:16

Tgt Ion: 62 Resp: 3221

Ion Ratio Lower Upper

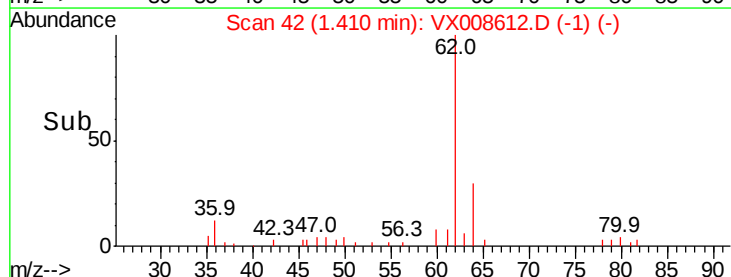
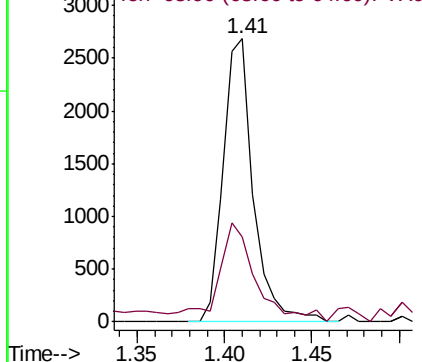
62 100

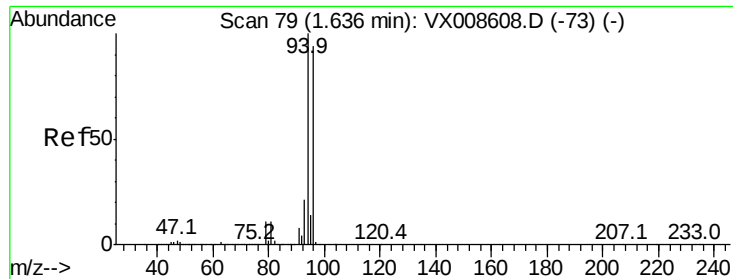
64 25.6 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 1.481 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008612.D

Acq: 03 Apr 2019 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 94 Resp: 2357

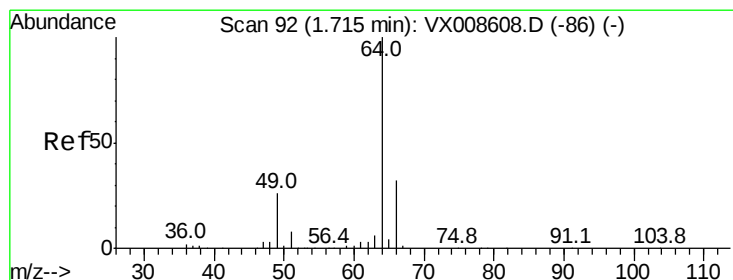
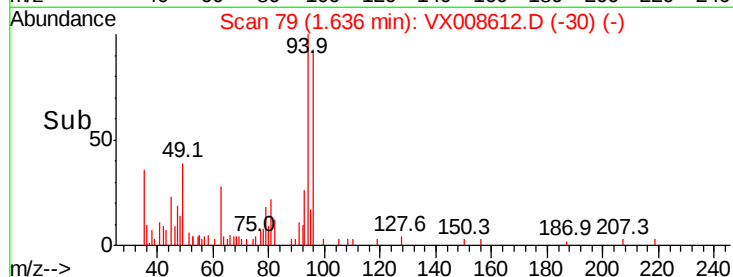
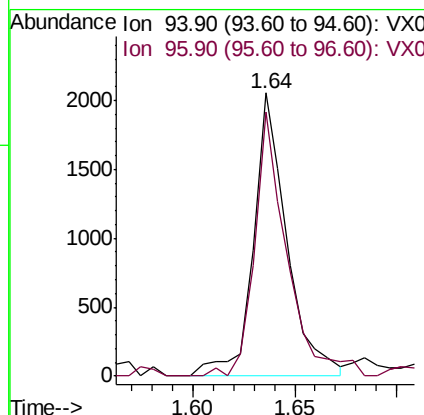
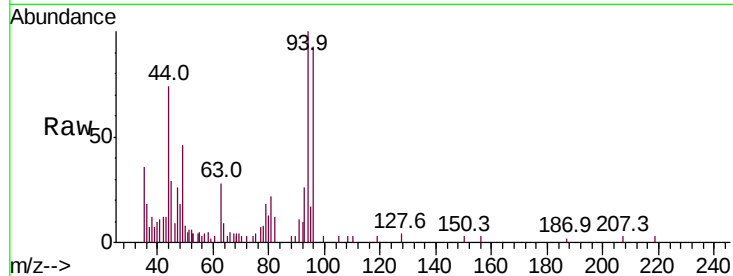
Ion Ratio Lower Upper

94 100

96 93.4 75.2 112.8

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#6

Chloroethane

Concen: 1.509 ug/l m

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX008612.D

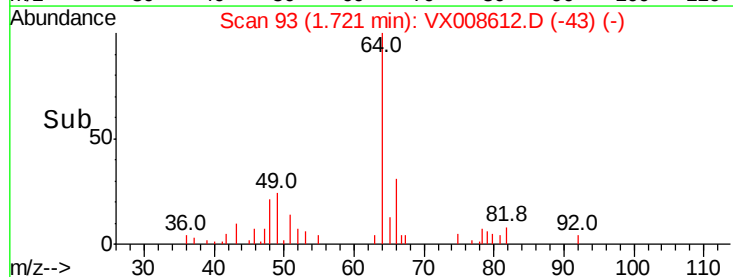
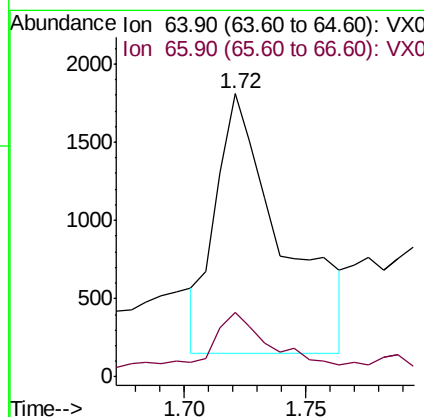
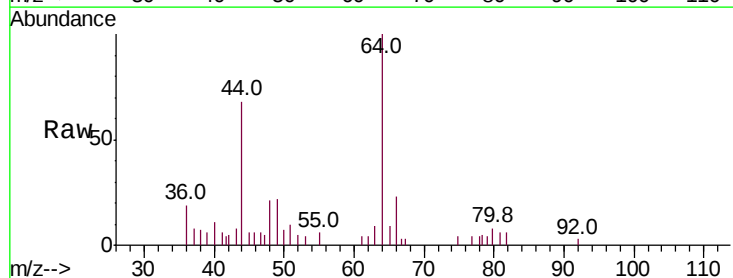
Acq: 03 Apr 2019 12:16

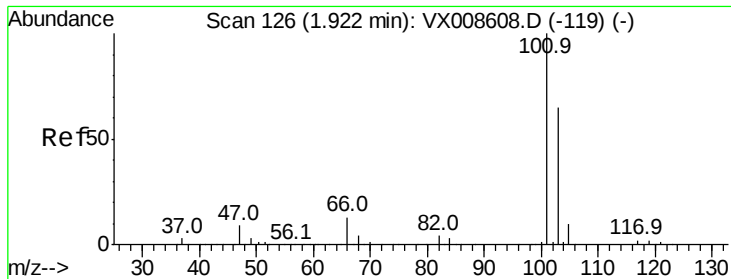
Tgt Ion: 64 Resp: 3163

Ion Ratio Lower Upper

64 100

66 23.0 25.4 38.0#





#7

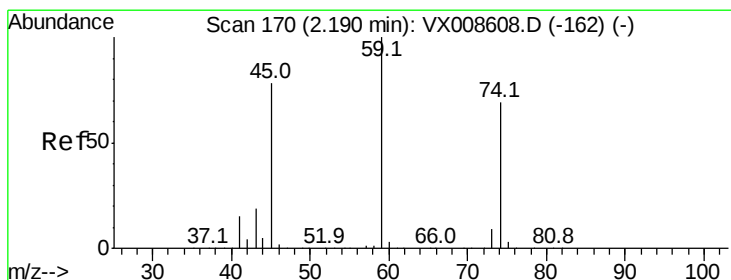
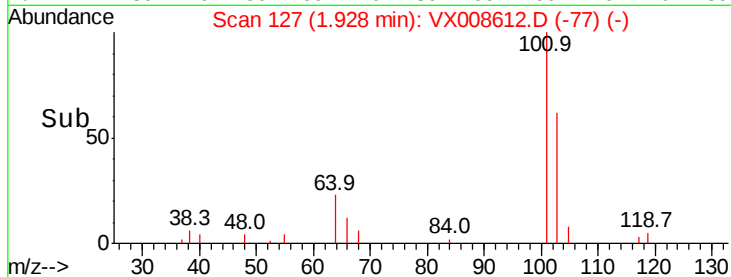
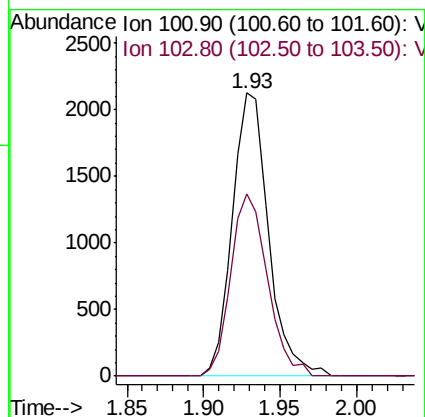
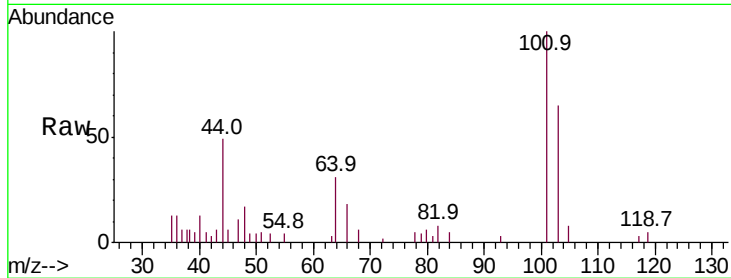
Trichlorofluoromethane
 Concen: 1.056 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX008612.D
 Acq: 03 Apr 2019 12:16

Instrument :
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 ClientSampleId :
 VSTDIC001

Tot Ion:101 Resp: 3484
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.3 78.5

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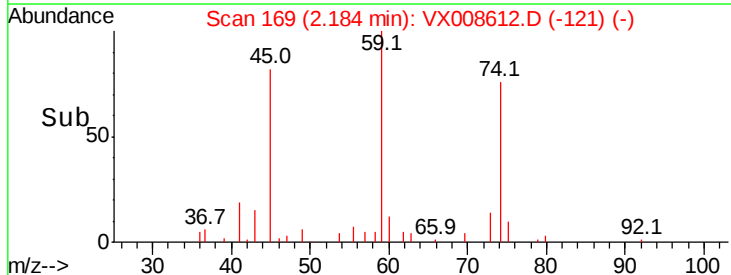
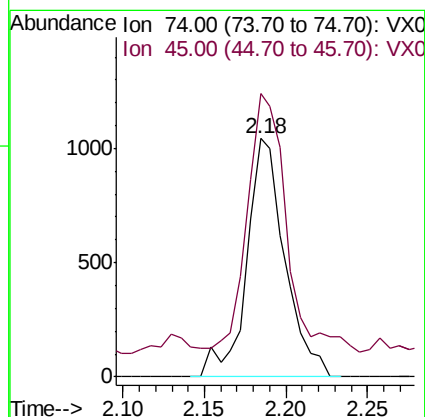
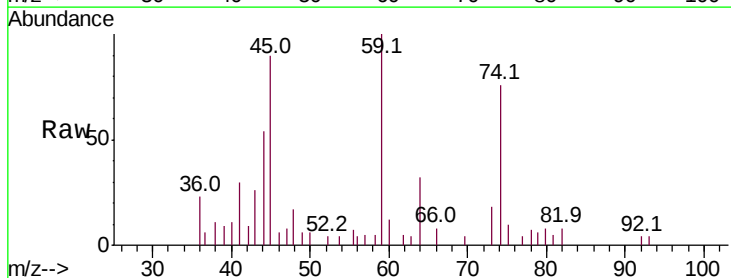
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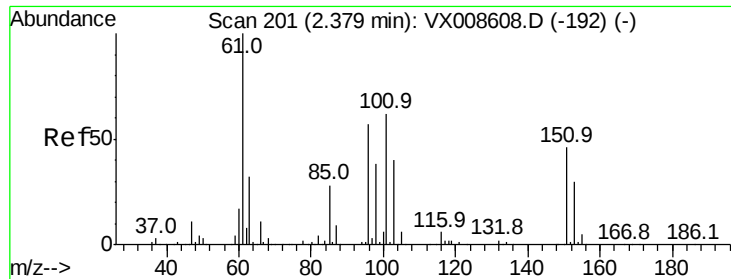


#8

Diethyl Ether
 Concen: 1.088 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.01 min
 Lab File: VX008612.D
 Acq: 03 Apr 2019 12:16

Tgt Ion: 74 Resp: 1701
 Ion Ratio Lower Upper
 74 100
 45 113.8 56.5 169.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.057 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX008612.D

Acq: 03 Apr 2019 12:16

Instrument :

MSVOA_X

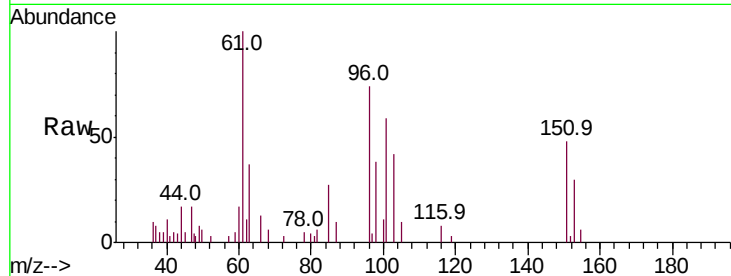
ClientSampleId :

VSTDIC001

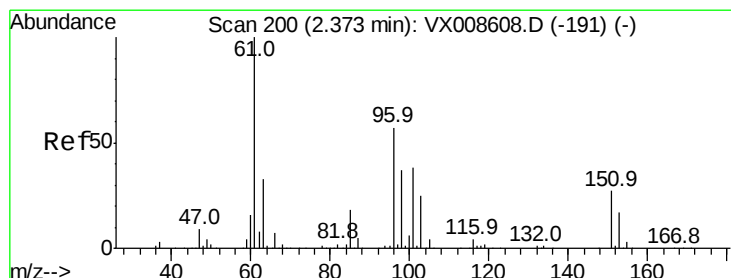
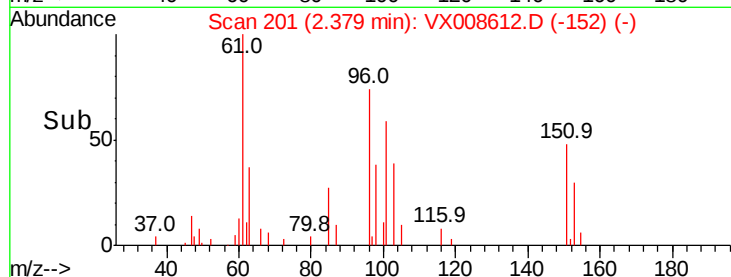
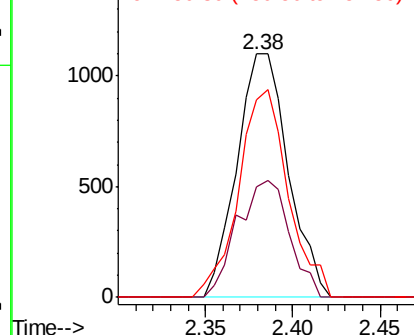
Tot Ion:	101	Resp:	2245
Ion Ratio	Lower	Upper	
101	100		
85	48.5	36.0	54.0
151	82.7	59.9	89.9

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#12

1,1-Dichloroethene

Concen: 1.148 ug/l

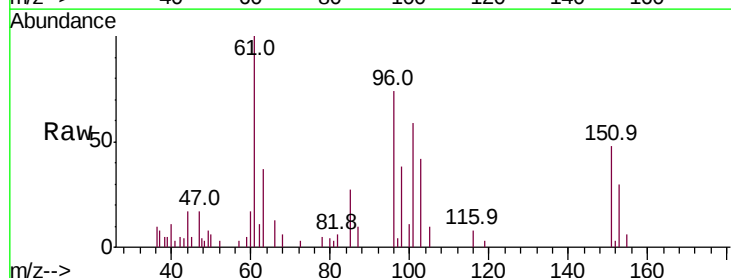
RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

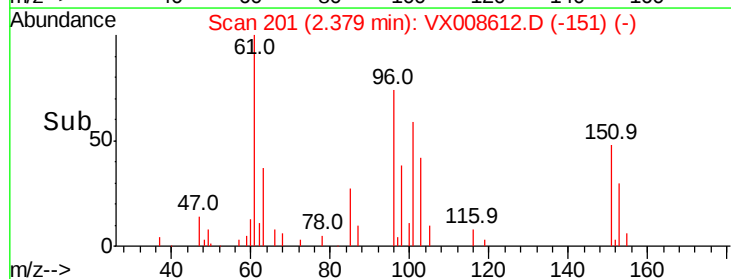
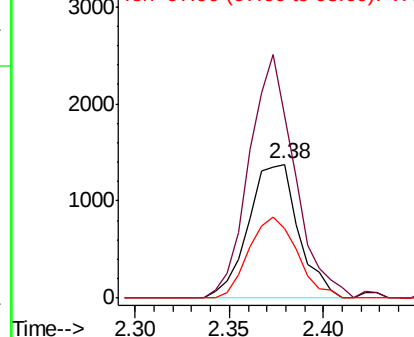
Lab File: VX008612.D

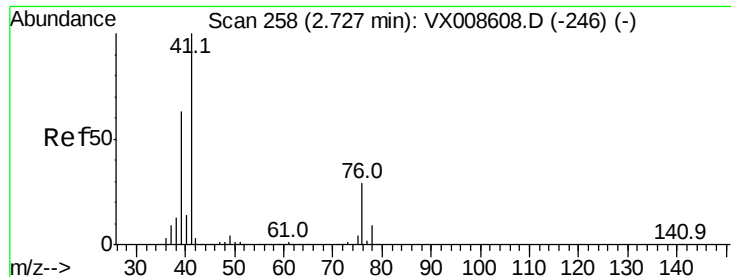
Acq: 03 Apr 2019 12:16

Tgt Ion:	96	Resp:	2545
Ion Ratio	Lower	Upper	
96	100		
61	135.9	140.9	211.3#
98	52.0	52.1	78.1#



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#14

Allvl chloride

Concen: 1.069 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX008612.D

Acq: 03 Apr 2019 12:16

Instrument :

MSVOA_X

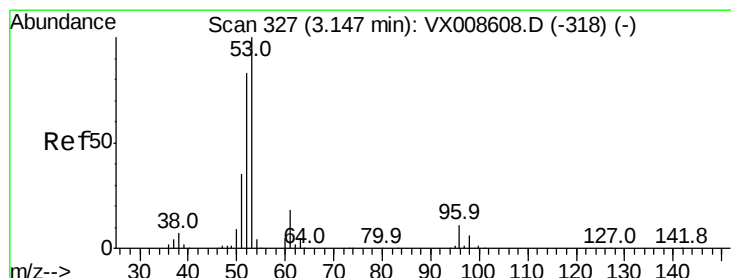
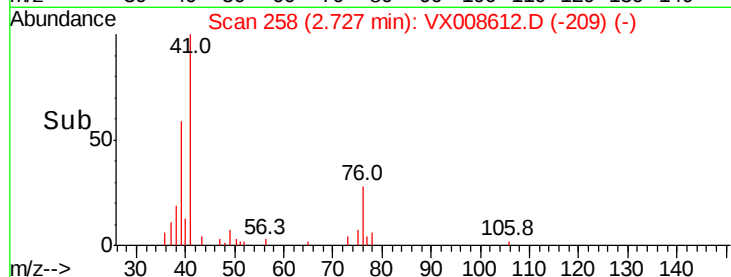
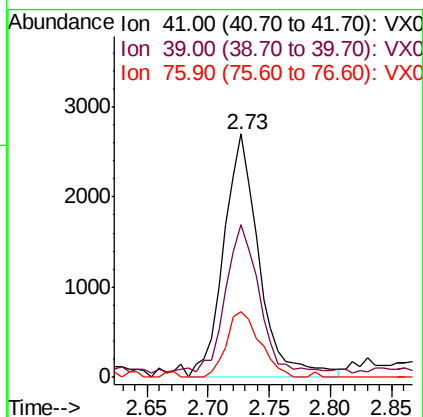
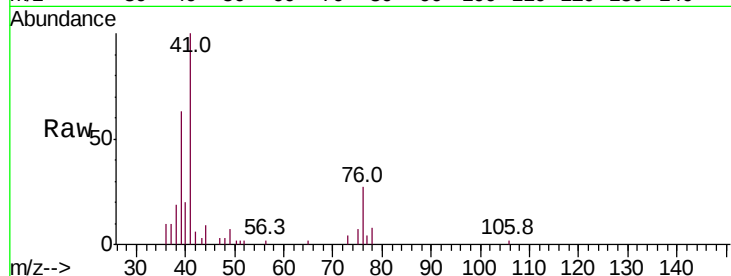
ClientSampleId :

VSTDIC001

Tot Ion:	41	Resp:	5426
Ion	Ratio	Lower	Upper
41	100		
39	55.0	48.0	72.0
76	25.5	22.0	33.0

Manual Integrations
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#15

Acrylonitrile

Concen: 5.505 ug/l

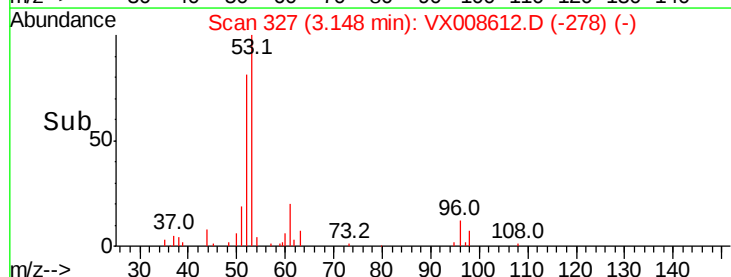
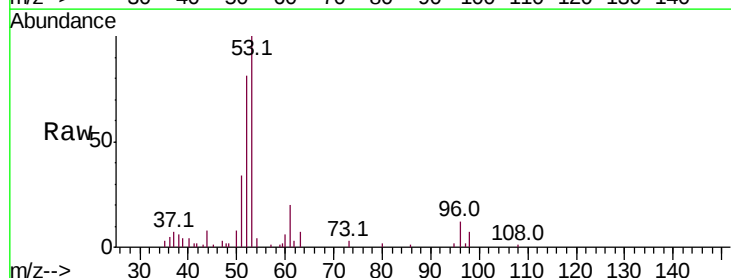
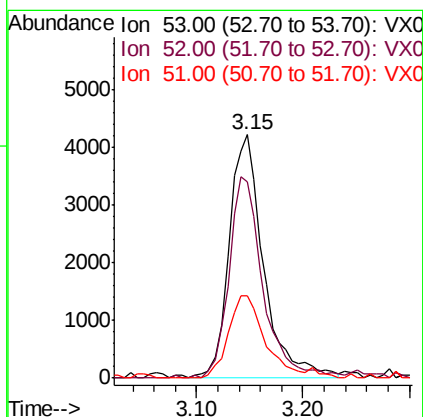
RT: 3.15 min Scan# 327

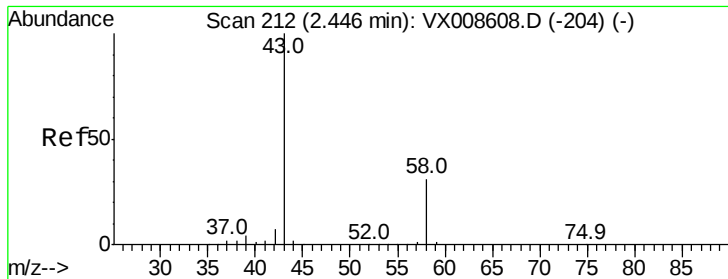
Delta R.T. 0.00 min

Lab File: VX008612.D

Acq: 03 Apr 2019 12:16

Tgt Ion:	53	Resp:	9548
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.5	99.7
51	35.9	28.6	42.8





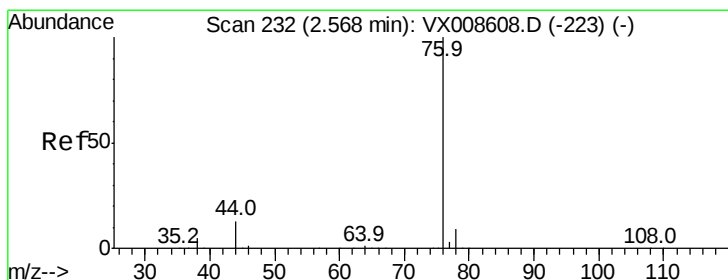
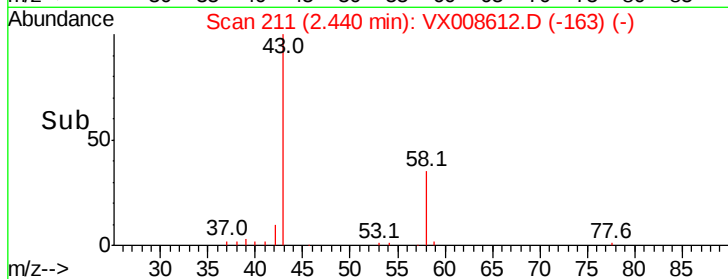
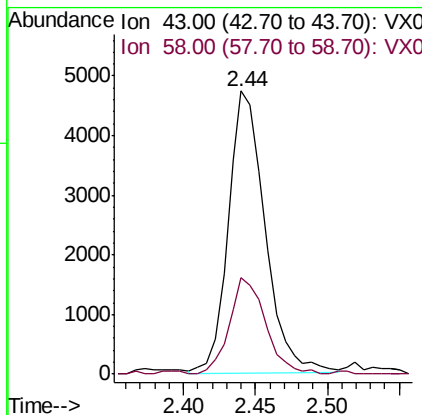
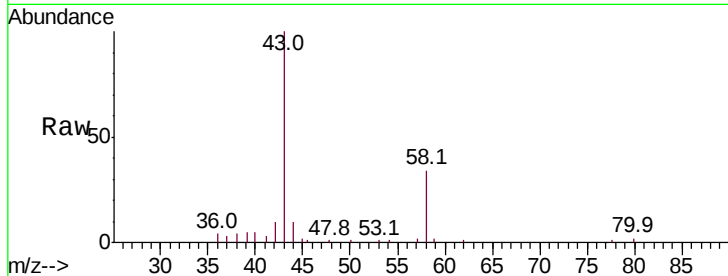
#16
Acetone
Concen: 5.236 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX008612.D
Acq: 03 Apr 2019 12:16

Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

Tot Ion: 43 Resp: 8433
Ion Ratio Lower Upper
43 100
58 34.3 24.8 37.2

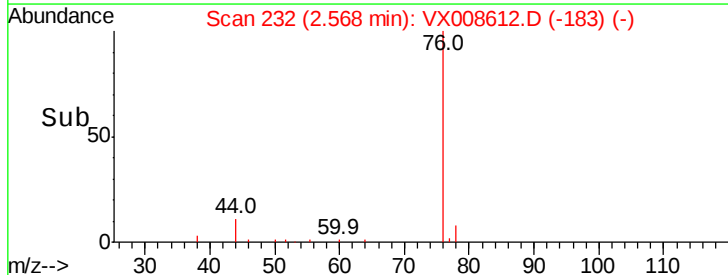
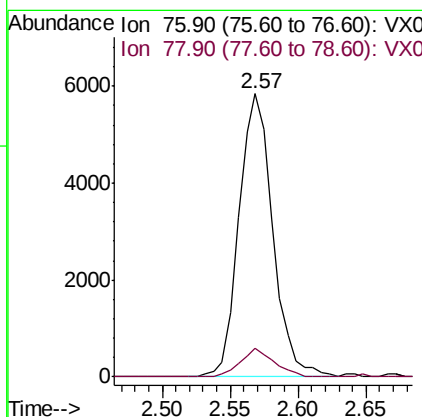
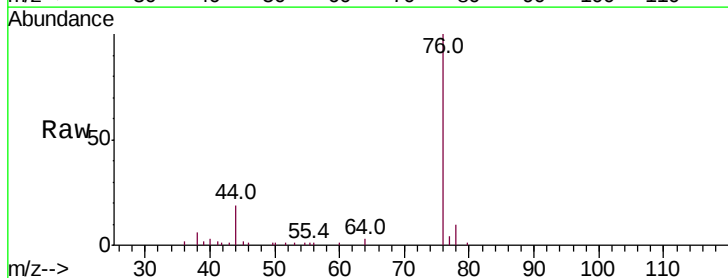
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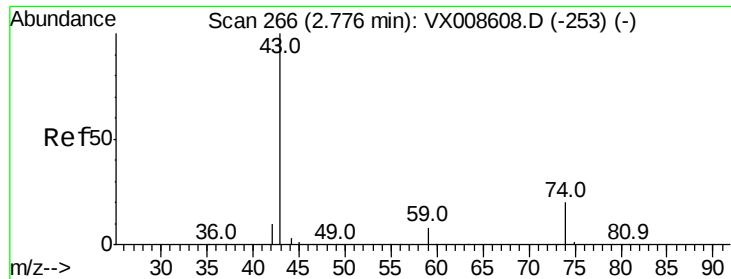
MMDadoda
4/4/2019 3:38:41 PM



#17
Carbon Disulfide
Concen: 1.421 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX008612.D
Acq: 03 Apr 2019 12:16

Tgt Ion: 76 Resp: 10117
Ion Ratio Lower Upper
76 100
78 10.0 7.1 10.7





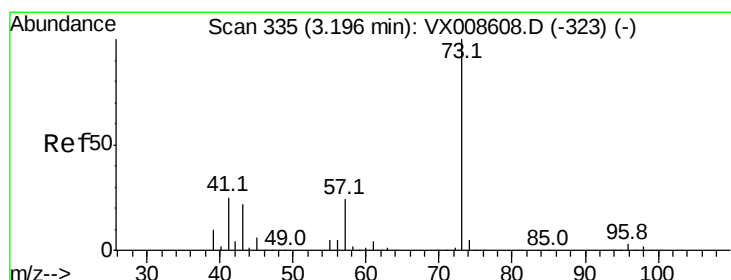
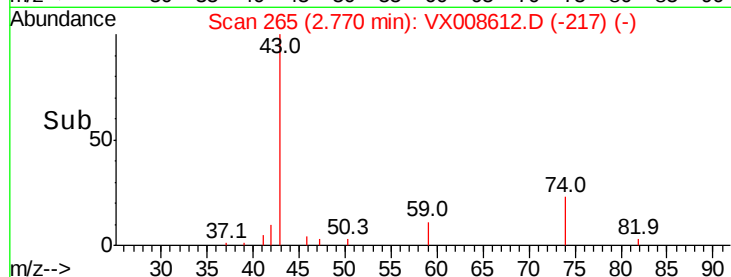
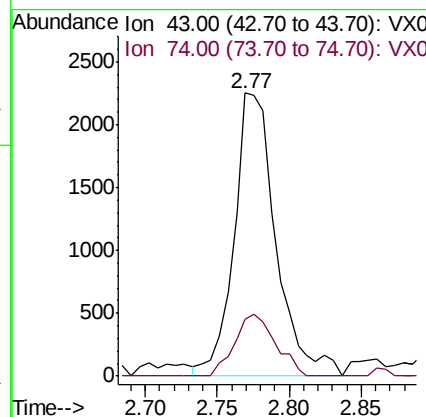
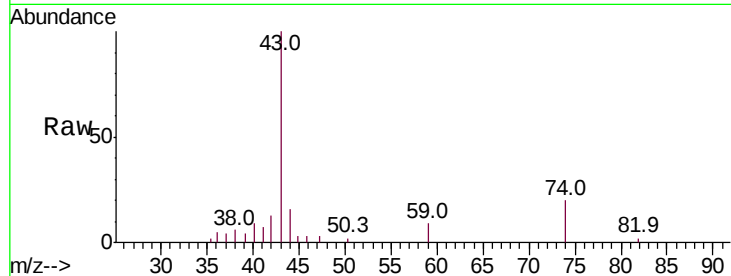
#18
Methyl Acetate
Concen: 1.168 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX008612.D
Acq: 03 Apr 2019 12:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 4561
Ion Ratio Lower Upper
43 100
74 21.3 16.5 24.7

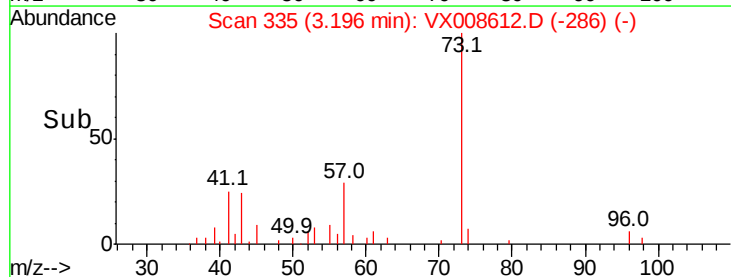
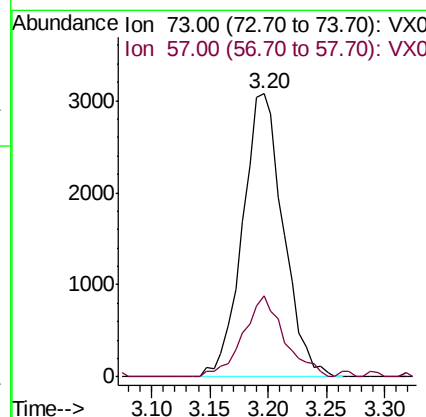
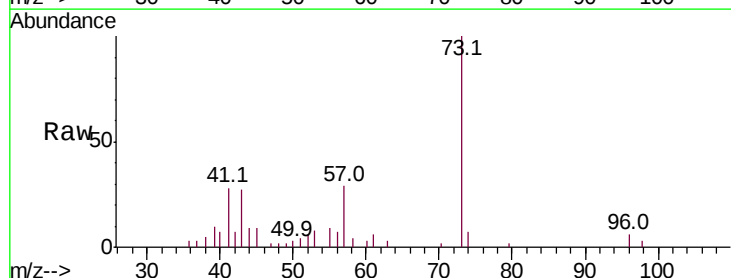
Manual Integrations
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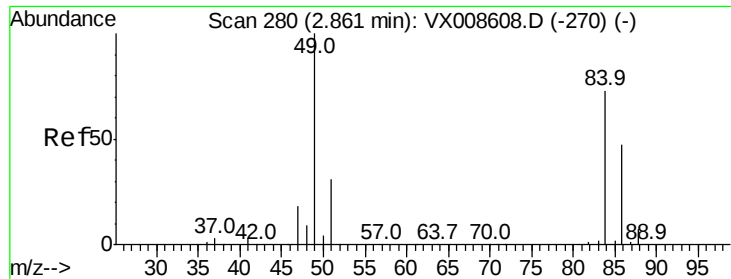
MMDadoda
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#19
Methyl tert-butyl Ether
Concen: 0.948 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX008612.D
Acq: 03 Apr 2019 12:16

Tgt Ion: 73 Resp: 7503
Ion Ratio Lower Upper
73 100
57 28.9 19.5 29.3





#20

Methylene Chloride

Concen: 1.218 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX008612.D

Acq: 03 Apr 2019 12:16

Instrument :

MSVOA_X

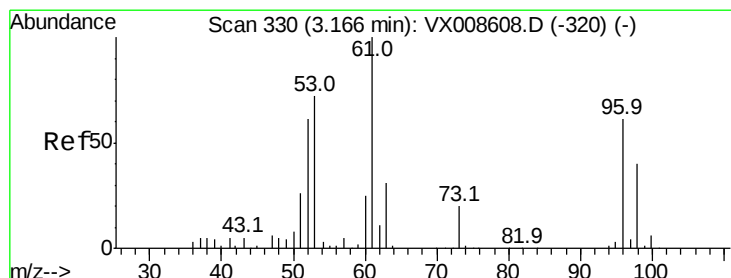
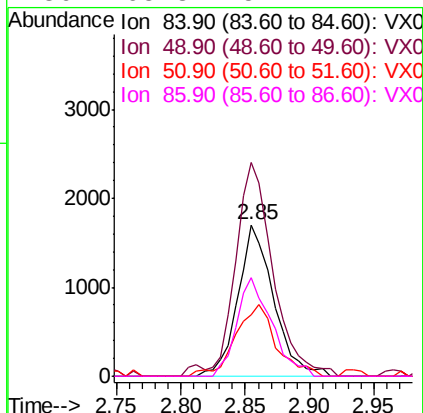
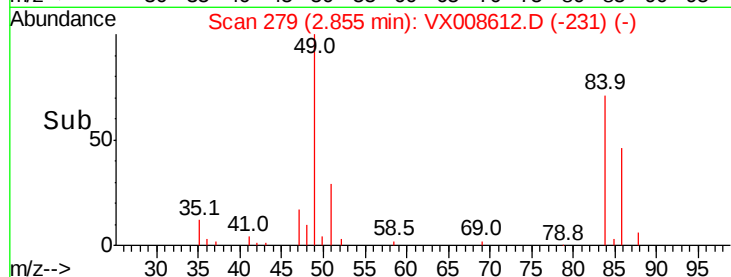
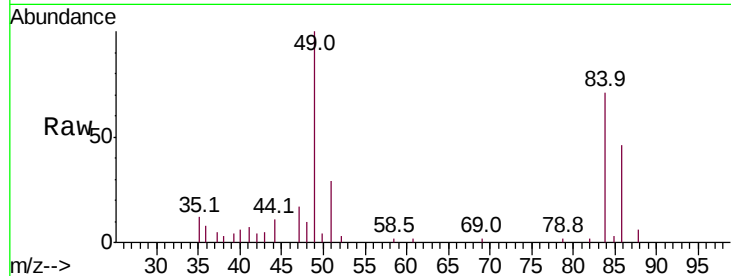
ClientSampleId :

VSTDIC001

Tot Ion:	84	Resp:	3284
Ion	Ratio	Lower	Upper
84	100		
49	141.1	109.7	164.5
51	41.0	33.6	50.4
86	65.3	51.4	77.2

Manual Integrations
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#21

trans-1,2-Dichloroethene

Concen: 1.171 ug/l

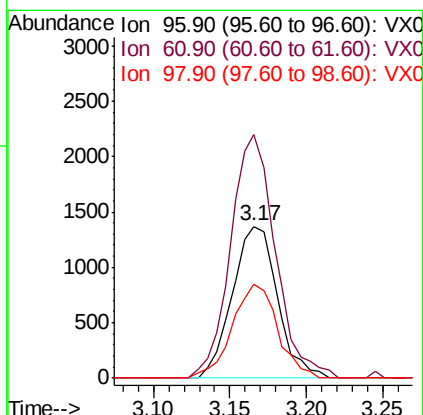
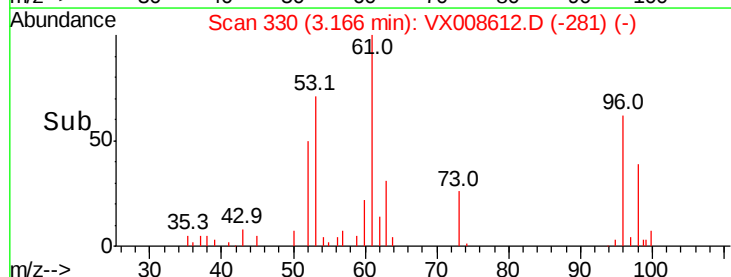
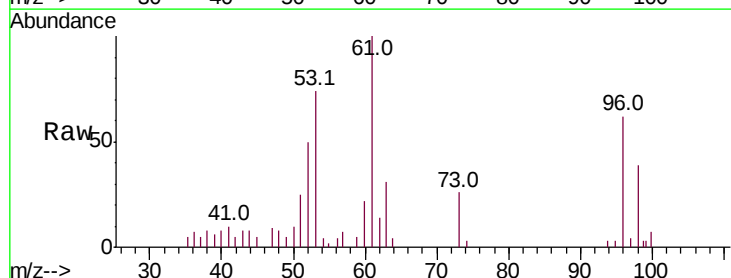
RT: 3.17 min Scan# 330

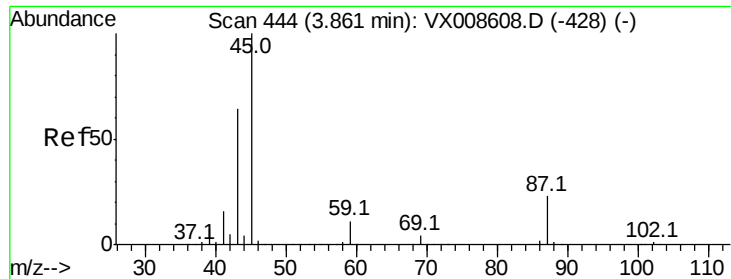
Delta R.T. 0.00 min

Lab File: VX008612.D

Acq: 03 Apr 2019 12:16

Tgt Ion:	96	Resp:	2807
Ion	Ratio	Lower	Upper
96	100		
61	160.2	132.1	198.1
98	61.8	52.2	78.2





#22

Diisopropyl ether

Concen: 1.034 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.01 min

Lab File: VX008612.D

Acq: 03 Apr 2019 12:16

Instrument :

MSVOA_X

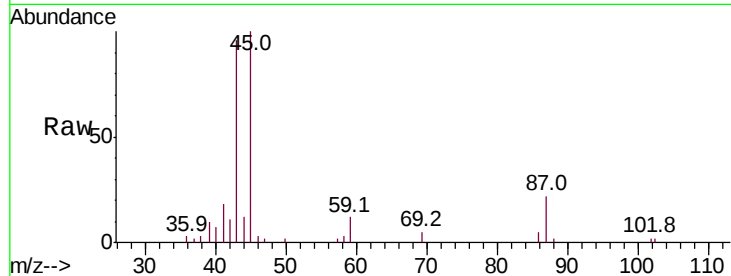
ClientSampleId :

VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
45	100			
43	93.2	51.3	76.9#	
87	22.3	18.1	27.1	
59	11.9	8.6	13.0	

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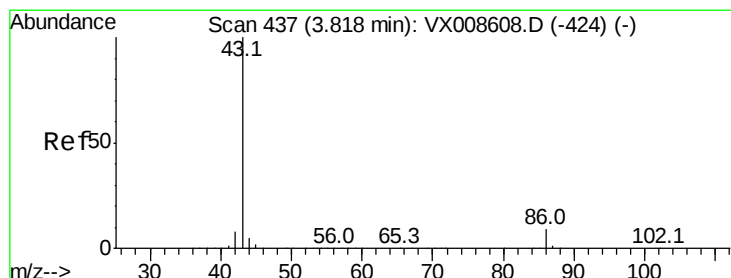
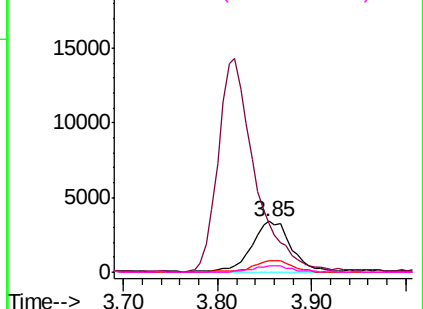
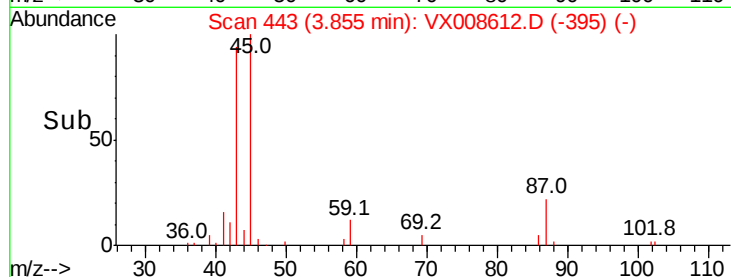


Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0



#23

Vinyl Acetate

Concen: 4.669 ug/l

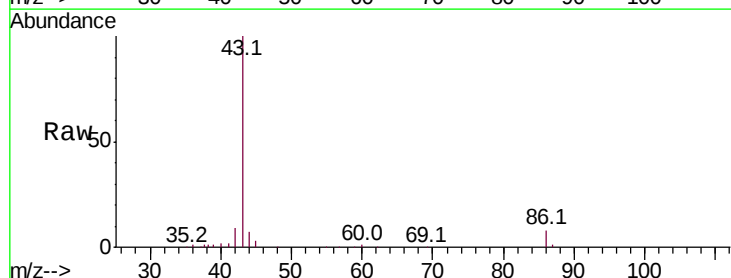
RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX008612.D

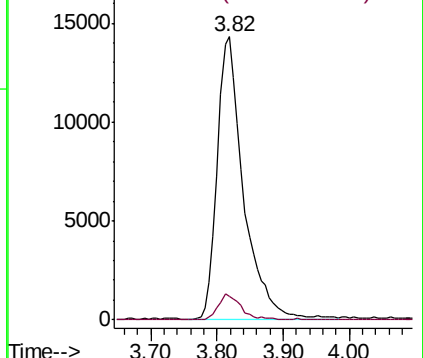
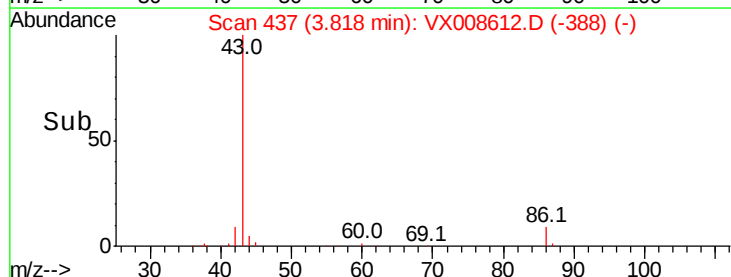
Acq: 03 Apr 2019 12:16

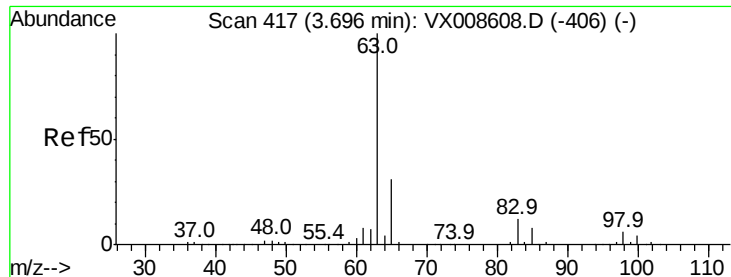
Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
86	8.5	7.0	10.6	



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#24

1,1-Dichloroethane

Concen: 1.017 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008612.D

Acq: 03 Apr 2019 12:16

Instrument :

MSVOA_X

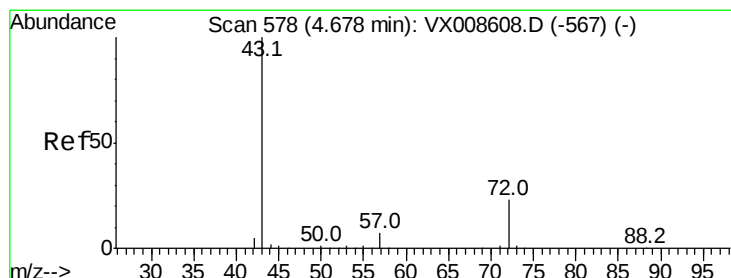
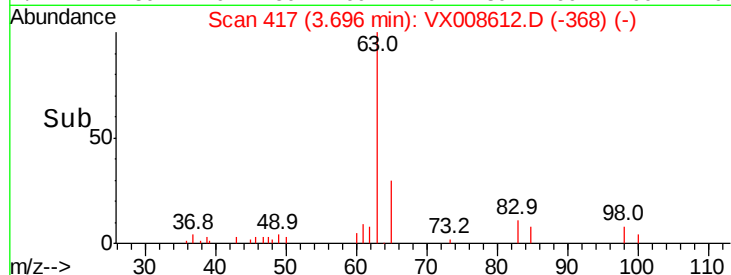
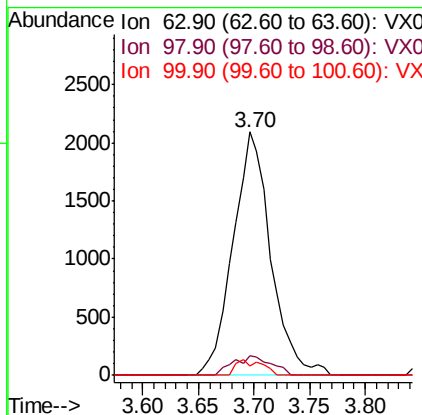
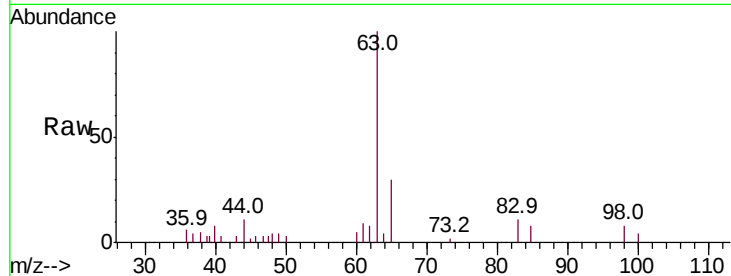
ClientSampleId :

VSTDIC001

Tot Ion:	63	Resp:	4927
Ion	Ratio	Lower	Upper
63	100		
98	8.1	2.8	8.4
100	3.9	1.8	5.5

Manual Integrations
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#25

2-Butanone

Concen: 4.964 ug/l

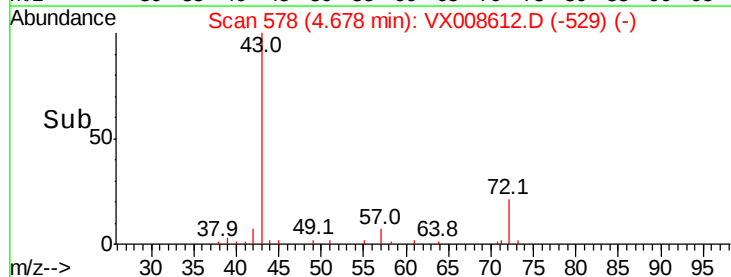
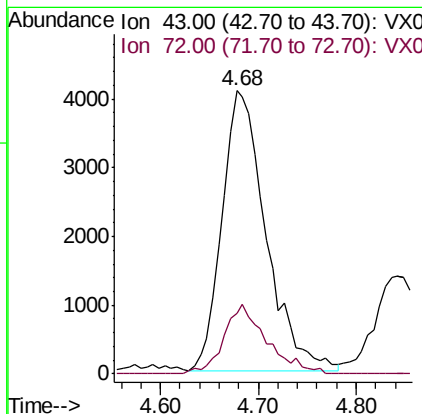
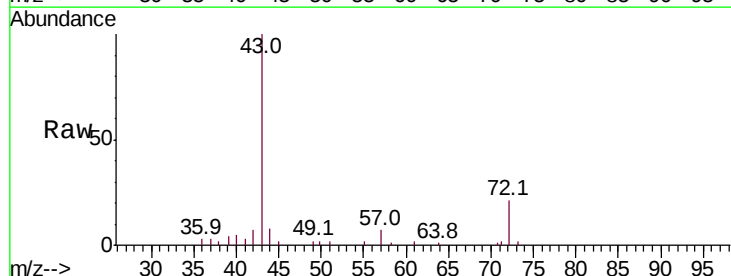
RT: 4.68 min Scan# 578

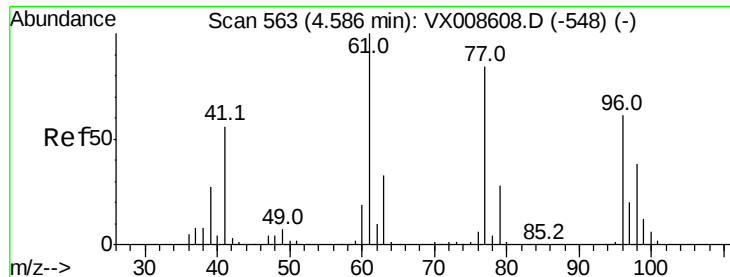
Delta R.T. 0.00 min

Lab File: VX008612.D

Acq: 03 Apr 2019 12:16

Tgt Ion:	43	Resp:	12637
Ion	Ratio	Lower	Upper
43	100		
72	21.6	18.2	27.4





#26

2,2-Dichloropropane

Concen: 0.967 ug/l

RT: 4.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VX008612.D

Acq: 03 Apr 2019 12:16

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

Tot Ion: 77 Resp: 3298

Ion Ratio Lower Upper

77 100

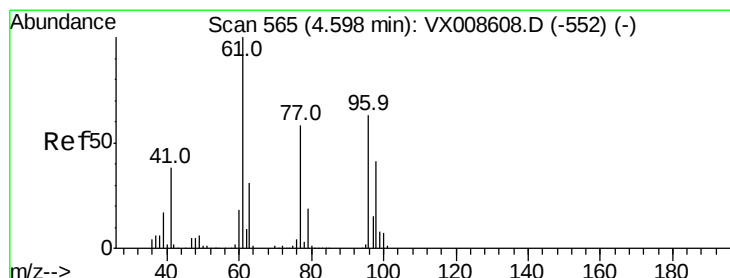
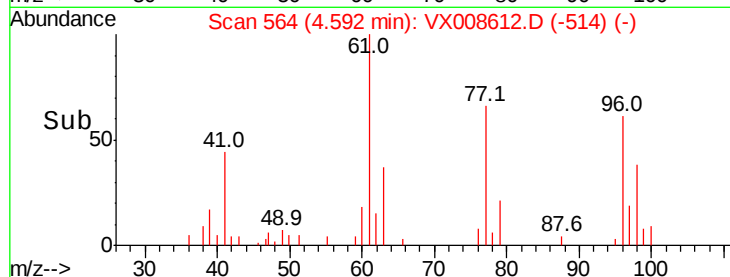
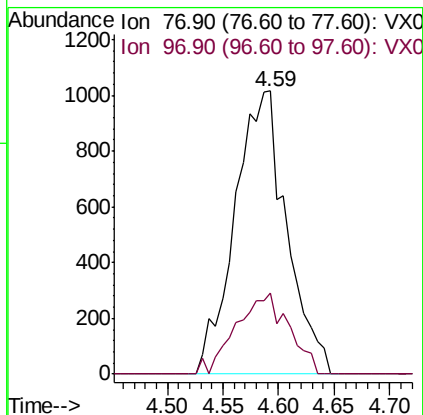
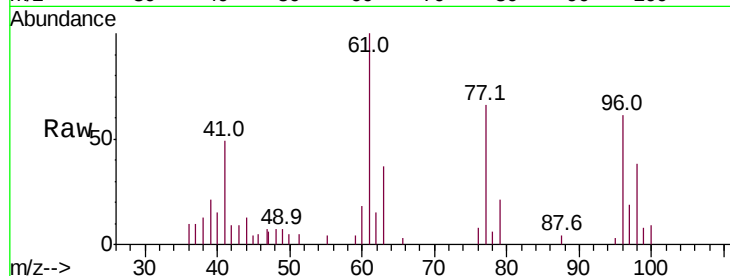
97 28.9 11.5 34.5

Manual Integrations

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#27

cis-1,2-Dichloroethene

Concen: 1.126 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.00 min

Lab File: VX008612.D

Acq: 03 Apr 2019 12:16

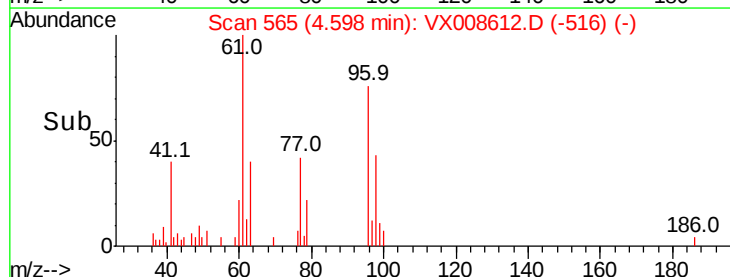
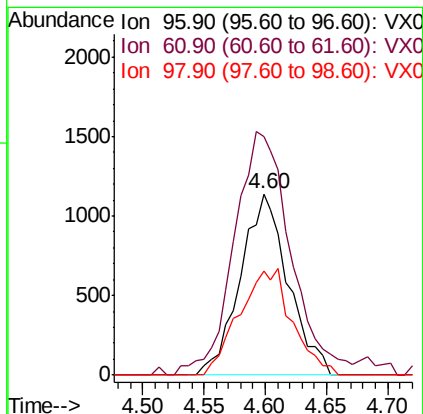
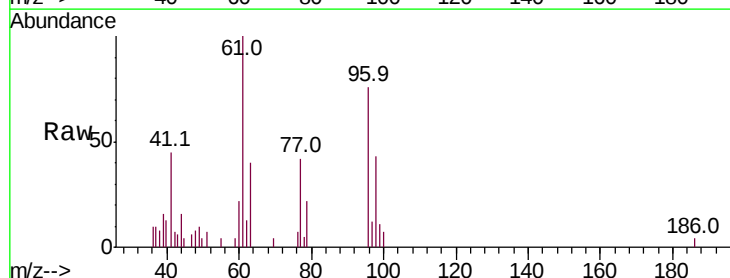
Tgt Ion: 96 Resp: 3103

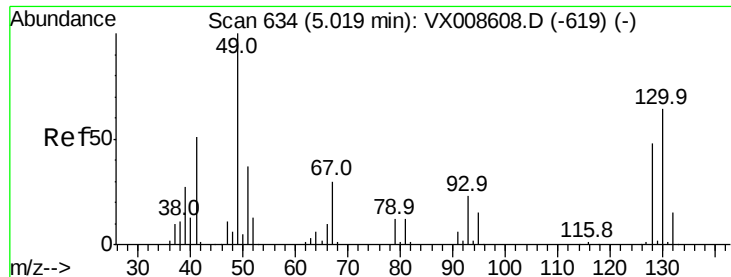
Ion Ratio Lower Upper

96 100

61 158.6 0.0 327.6

98 64.5 0.0 128.6





#28

Bromochloromethane

Concen: 1.261 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.00 min

Lab File: VX008612.D

Acq: 03 Apr 2019 12:16

Instrument :

MSVOA_X

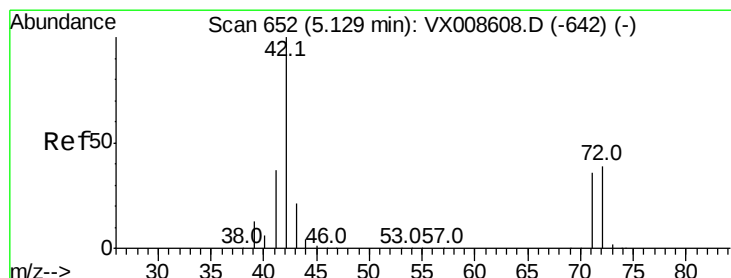
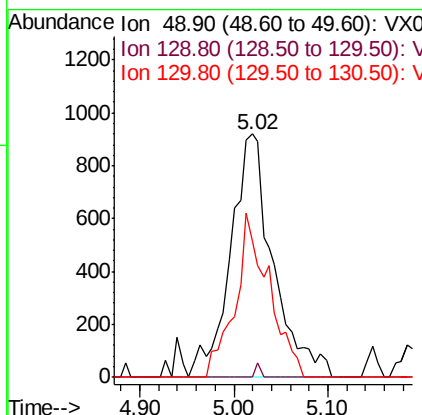
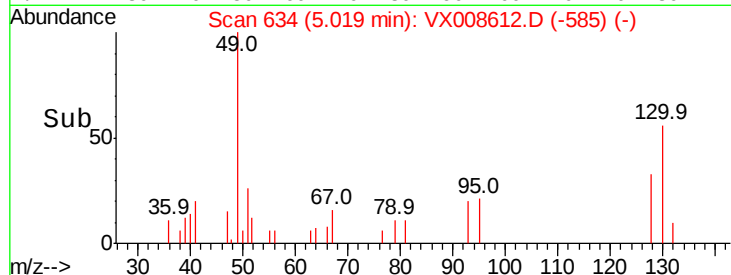
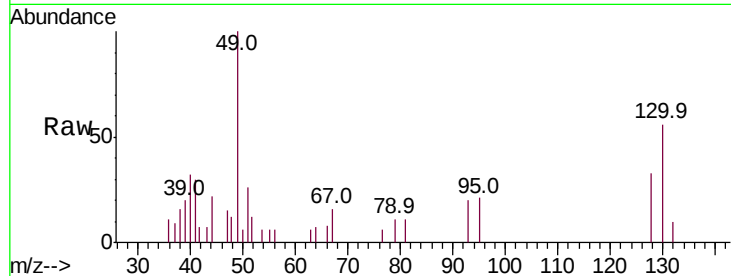
ClientSampled :

VSTDIC001

Tot Ion:	49	Resp:	2898
Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.6
130	53.9	49.3	73.9

Manual Integrations
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4/4/2019 3:38:41 PM



#29

Tetrahydrofuran

Concen: 5.415 ug/l

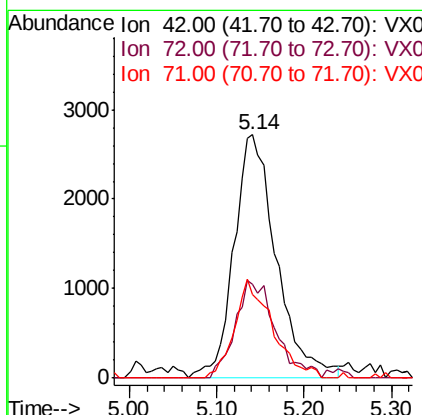
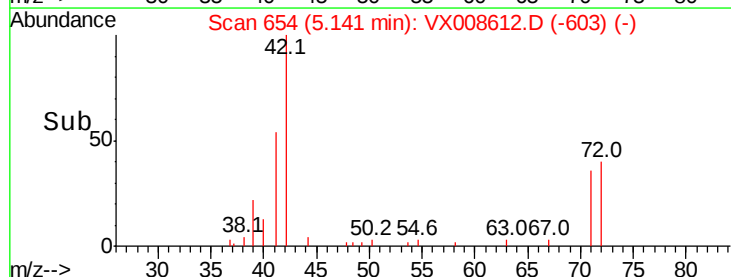
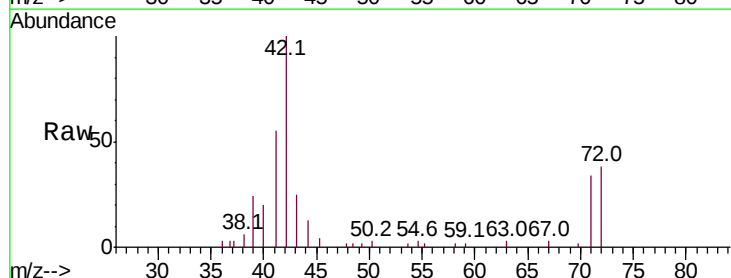
RT: 5.14 min Scan# 654

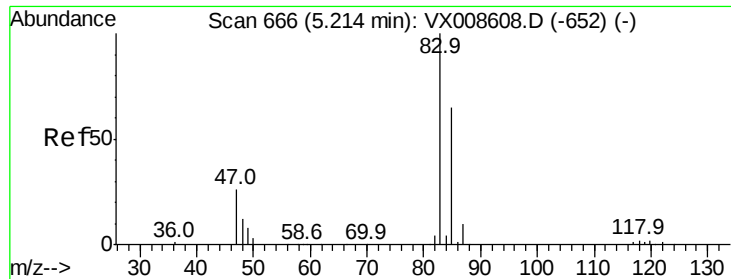
Delta R.T. 0.01 min

Lab File: VX008612.D

Acq: 03 Apr 2019 12:16

Tgt Ion:	42	Resp:	9150
Ion	Ratio	Lower	Upper
42	100		
72	38.0	30.5	45.7
71	36.5	28.6	43.0





#30

Chloroform

Concen: 1.025 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX008612.D

Acq: 03 Apr 2019 12:16

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

Tot Ion: 83 Resp: 4435

Ion Ratio Lower Upper

83 100

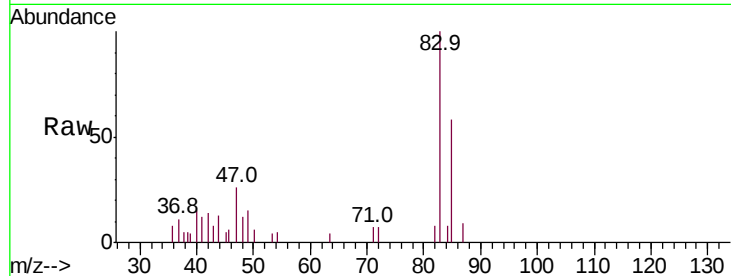
85 57.6 52.1 78.1

Manual Integrations

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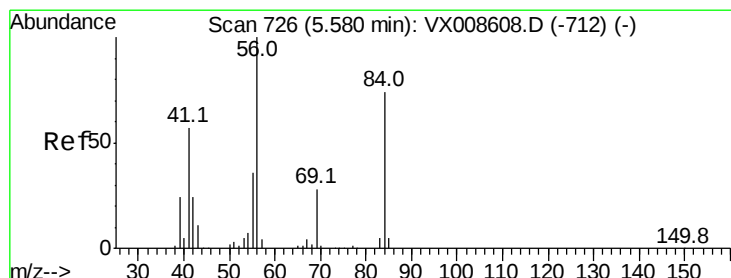
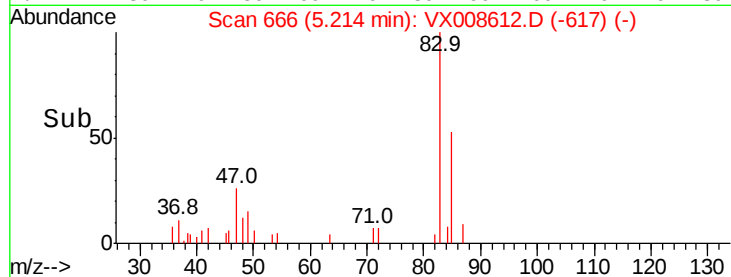
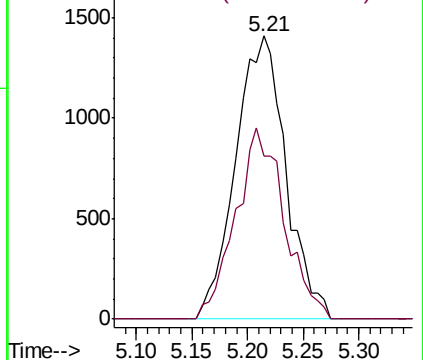
MMDadoda

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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0



#31

Cyclohexane

Concen: 1.086 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX008612.D

Acq: 03 Apr 2019 12:16

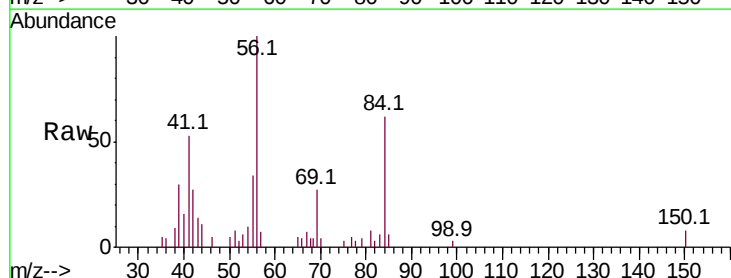
Tgt Ion: 56 Resp: 5249

Ion Ratio Lower Upper

56 100

69 27.2 22.6 33.8

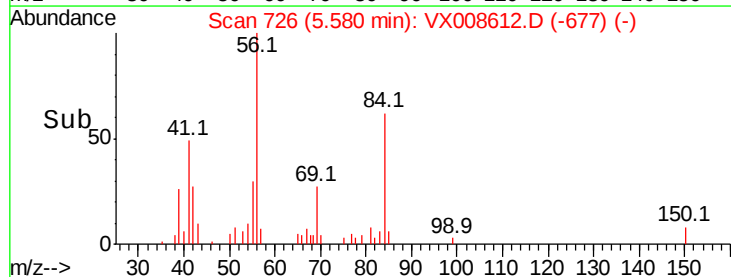
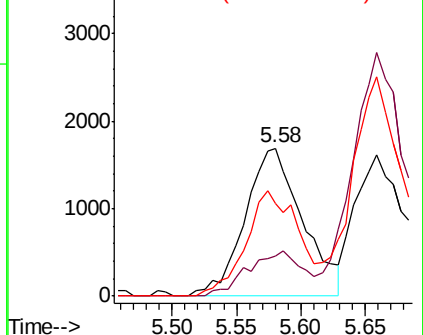
84 62.4 59.3 88.9

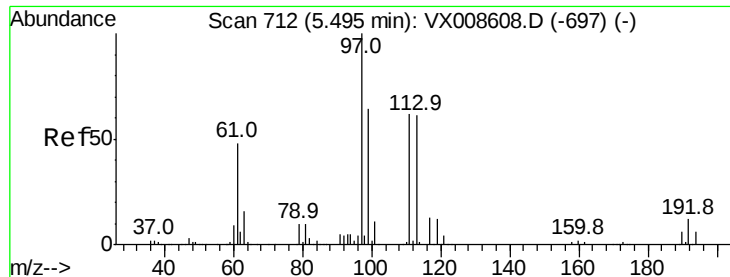


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#32

1,1,1-Trichloroethane

Concen: 0.975 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX008612.D

Acq: 03 Apr 2019 12:16

Instrument :

MSVOA_X

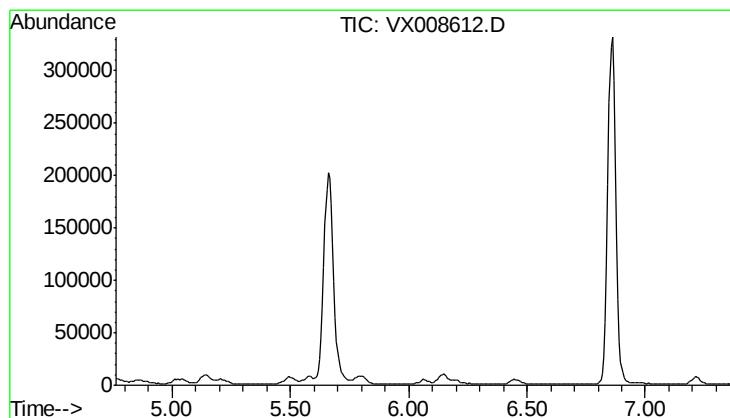
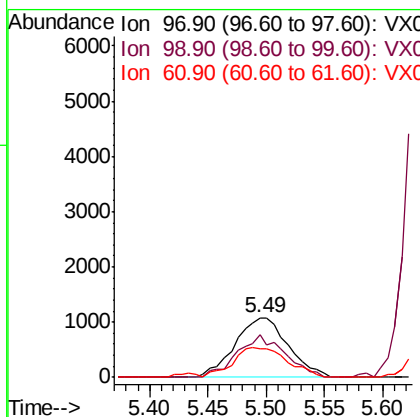
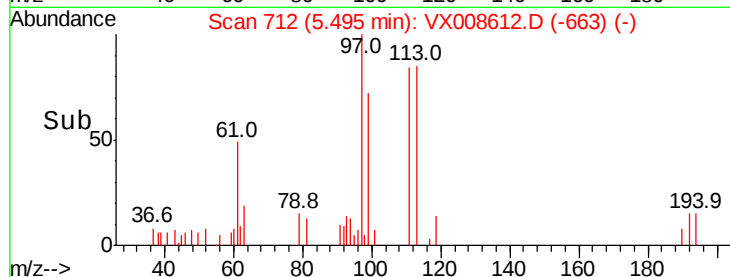
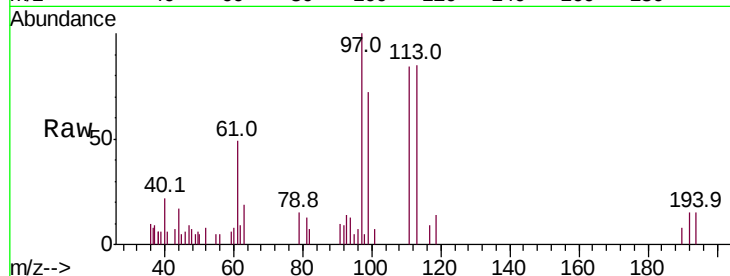
ClientSampleId :

VSTDIC001

Tot Ion:	97	Resp:	3406
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.3	76.9#
61	51.7	38.9	58.3

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#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 6.06 min

Lab File: VX008612.D

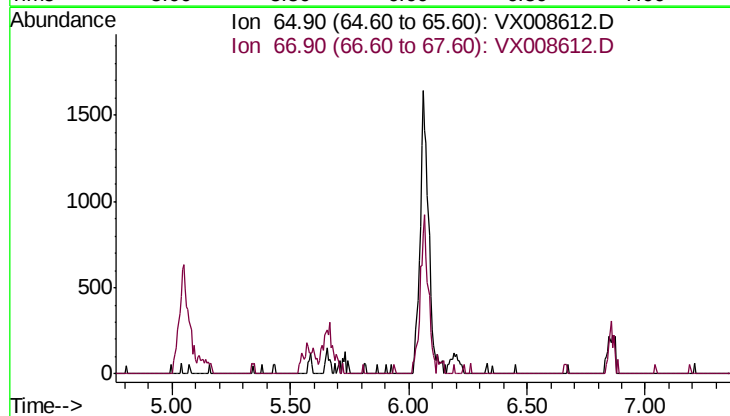
Acq: 03 Apr 2019 12:16

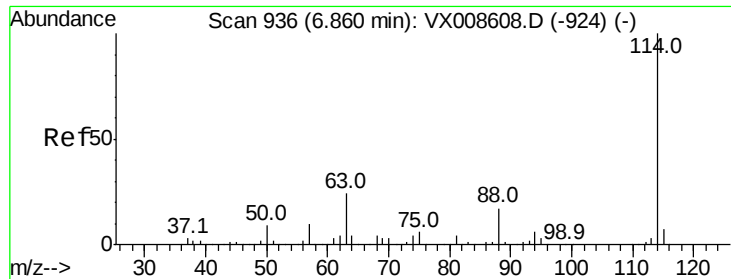
Tgt Ion: 65

Sig Exp Ratio

65 100

67 53.6





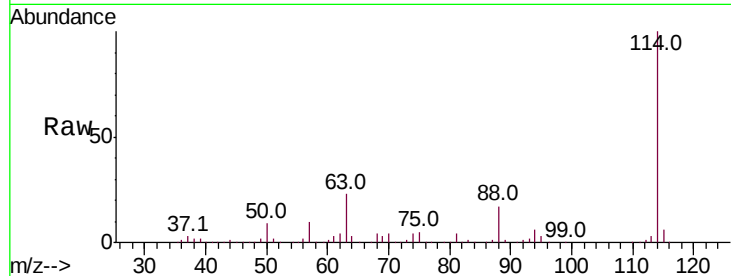
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008612.D
 Acq: 03 Apr 2019 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

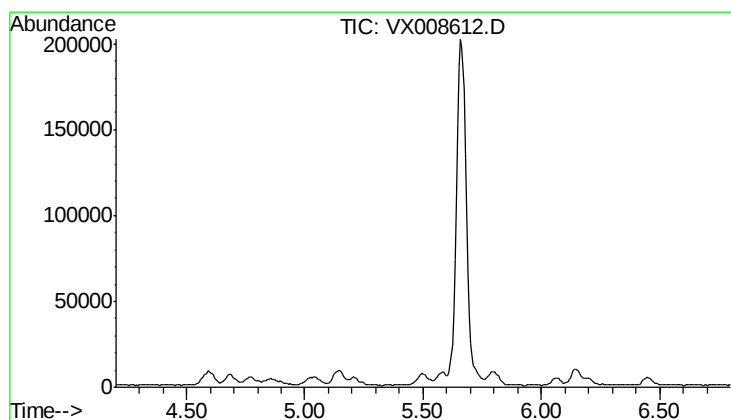
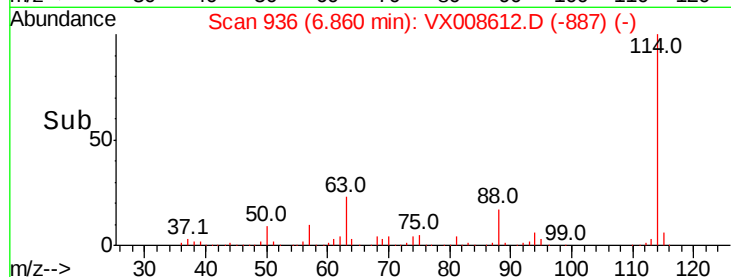
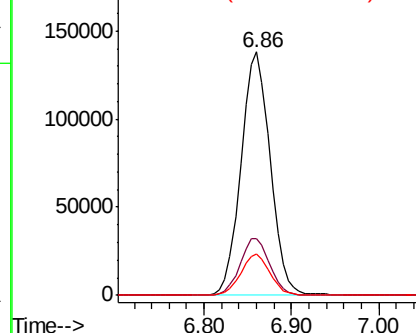
Tot Ion	Ratio	Resp Lower	Resp Upper
114	100		
63	23.1	0.0	47.2
88	16.9	0.0	34.0

Manual Integrations
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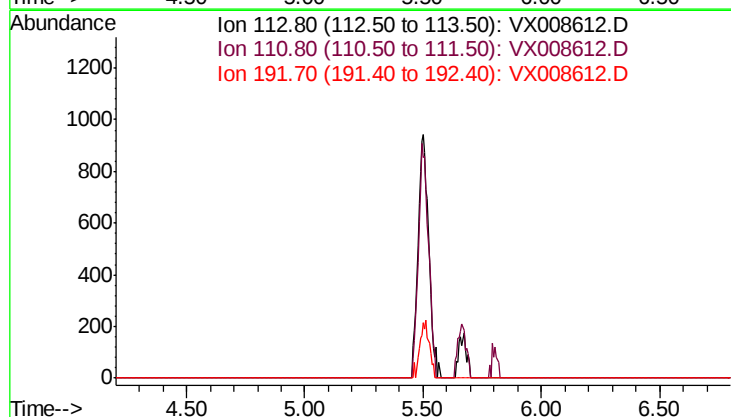


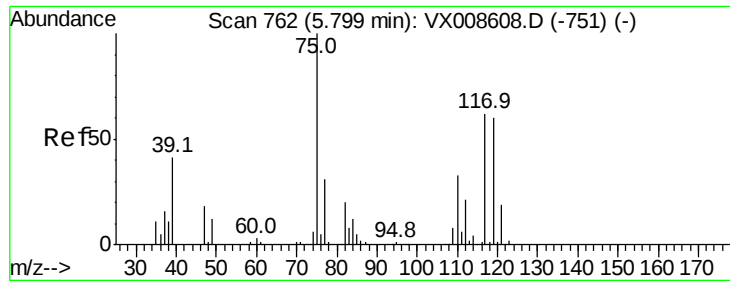
Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0



#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 5.50 min
 Lab File: VX008612.D
 Acq: 03 Apr 2019 12:16

Tgt Ion	Exp Ratio
113	100
111	104.3
192	20.1





#36

1,1-Dichloropropene

Concen: 1.137 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX008612.D

Acq: 03 Apr 2019 12:16

Instrument :

MSVOA_X

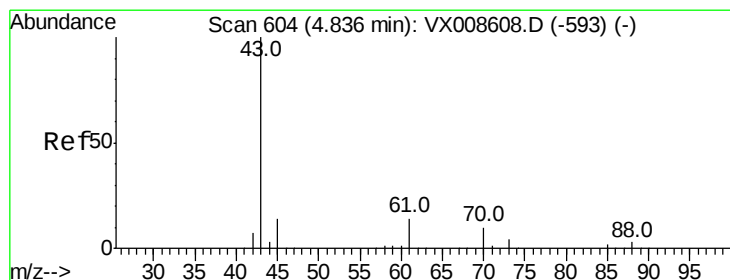
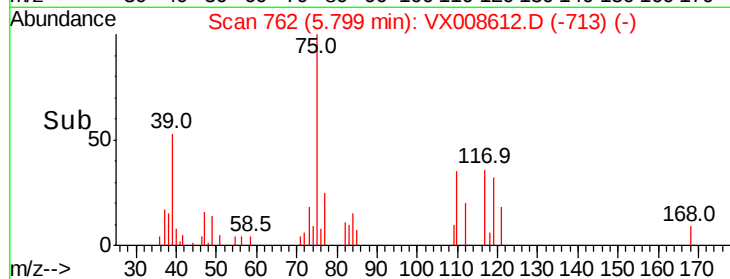
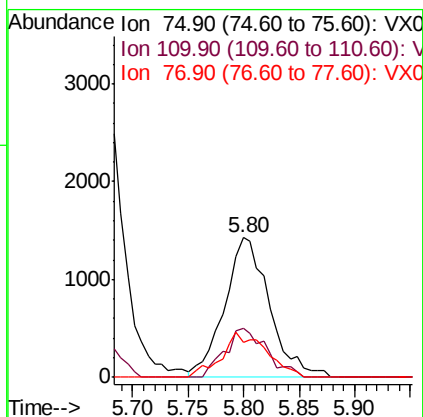
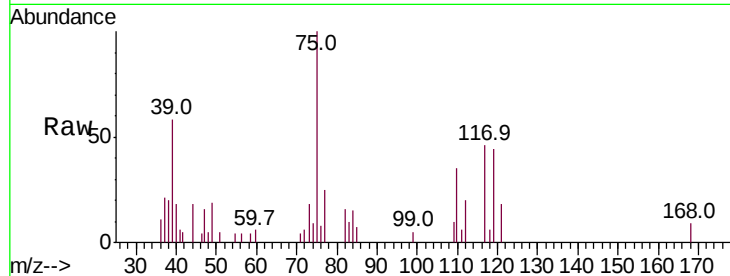
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	3992
Ion	Ratio	Lower	Upper
75	100		
110	32.8	16.4	49.2
77	31.8	24.7	37.1

Manual Integrations
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#37

Ethyl Acetate

Concen: 0.967 ug/l

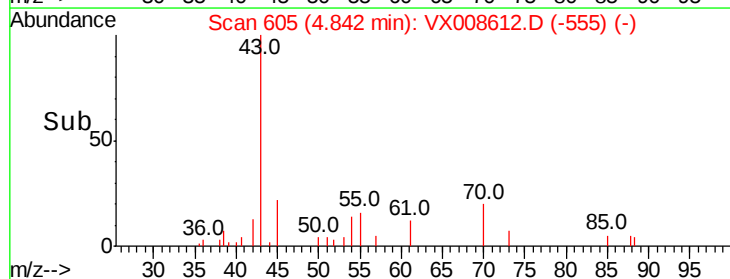
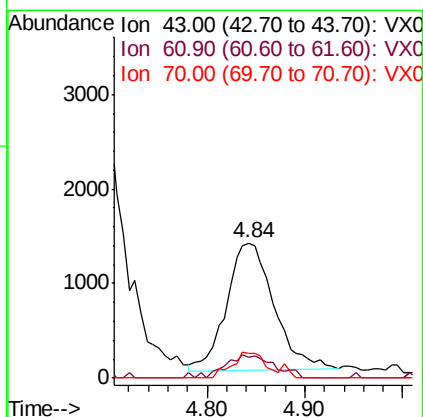
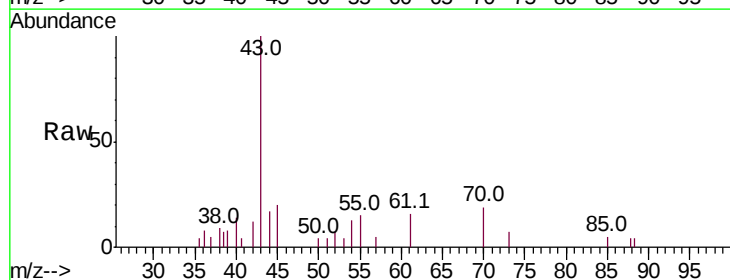
RT: 4.84 min Scan# 605

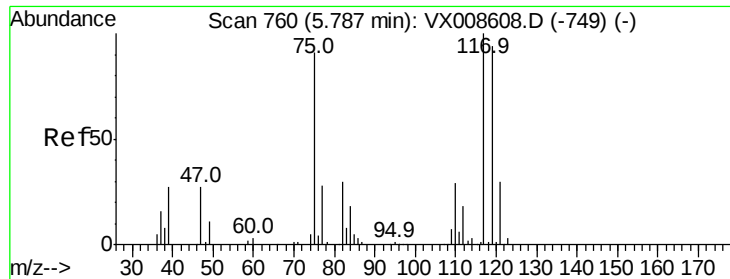
Delta R.T. 0.01 min

Lab File: VX008612.D

Acq: 03 Apr 2019 12:16

Tgt Ion:	43	Resp:	4533
Ion	Ratio	Lower	Upper
43	100		
61	18.6	10.3	15.5#
70	14.1	7.6	11.4#





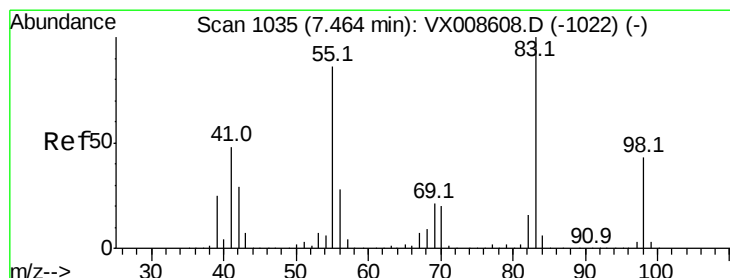
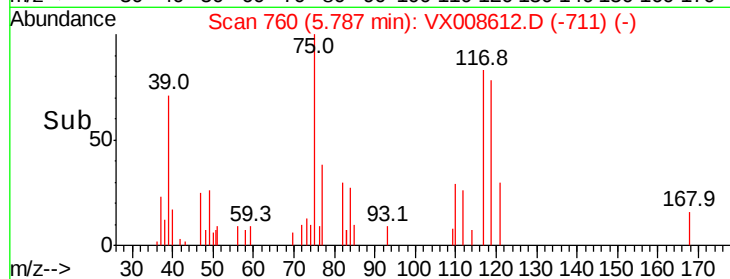
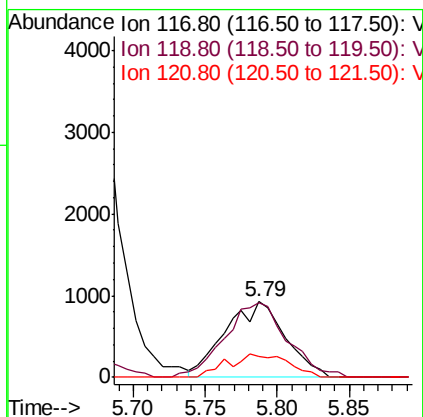
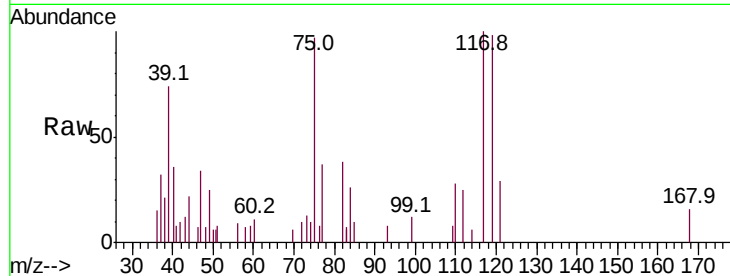
#38
Carbon Tetrachloride
Concen: 0.927 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX008612.D
Acq: 03 Apr 2019 12:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:117 Resp: 2696
Ion Ratio Lower Upper
117 100
119 91.1 75.0 112.6
121 28.6 24.3 36.5

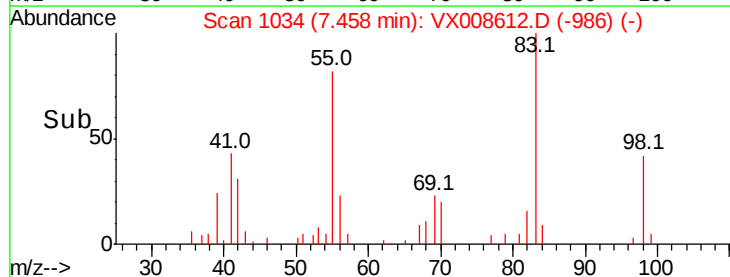
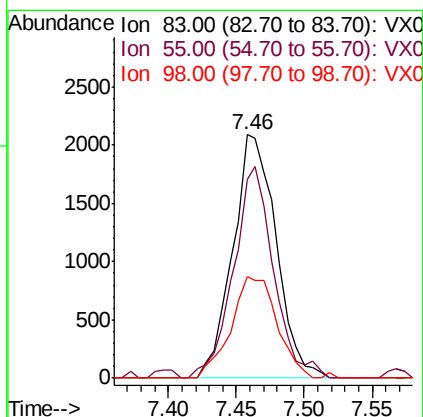
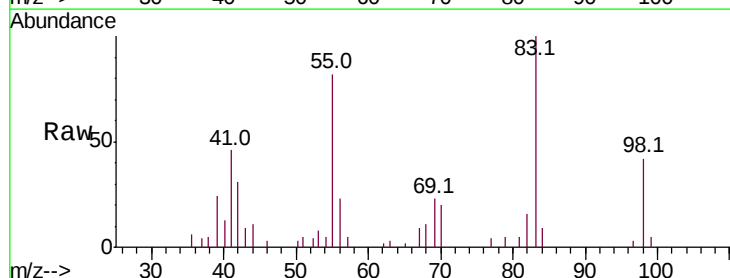
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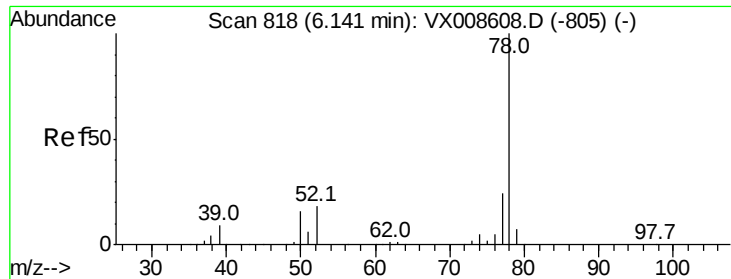
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#39
Methylcyclohexane
Concen: 1.073 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX008612.D
Acq: 03 Apr 2019 12:16

Tgt Ion: 83 Resp: 4657
Ion Ratio Lower Upper
83 100
55 81.9 69.0 103.6
98 41.8 34.4 51.6





#40

Benzene

Concen: 1.021 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX008612.D

Acq: 03 Apr 2019 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 10688

Ion Ratio Lower Upper

78 100

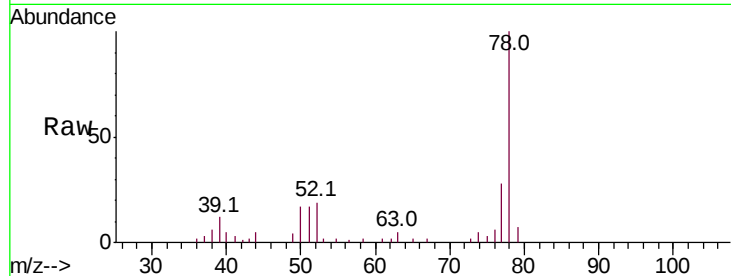
77 28.3 19.1 28.7

Manual Integrations

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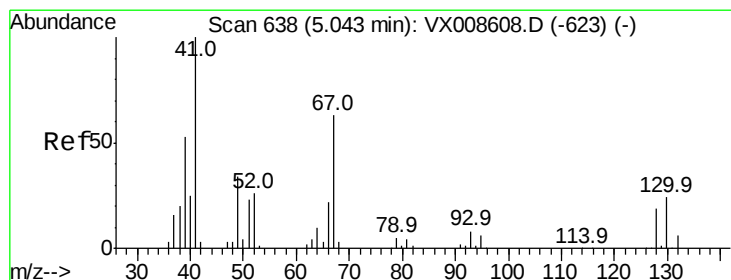
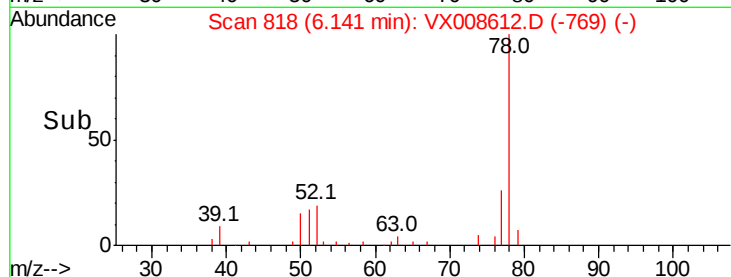
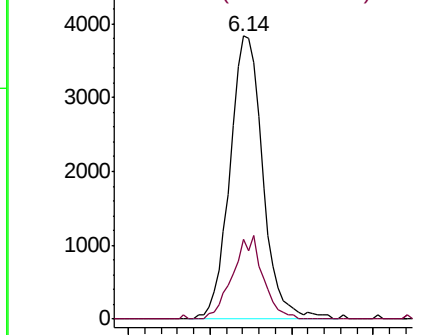
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Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#41

Methacrylonitrile

Concen: 1.075 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX008612.D

Acq: 03 Apr 2019 12:16

Tgt Ion: 41 Resp: 2897

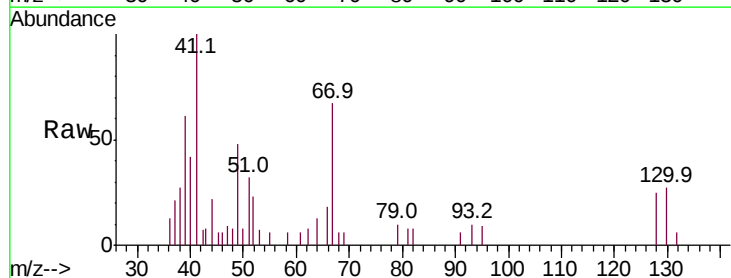
Ion Ratio Lower Upper

41 100

39 52.3 42.1 63.1

67 61.6 51.0 76.6

52 32.8 21.4 32.0#

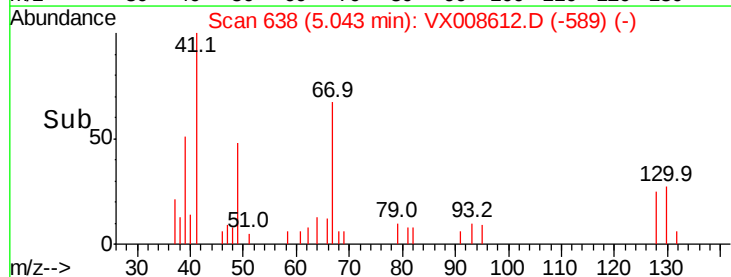
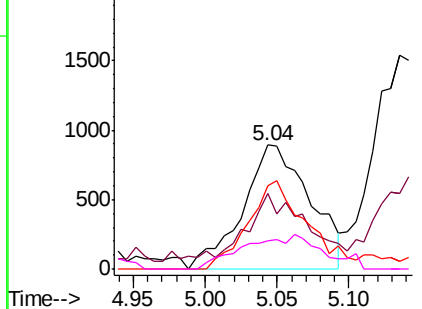


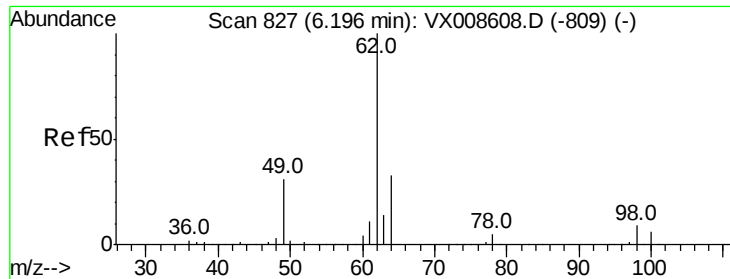
Abundance Ion 41.00 (40.70 to 41.70): VX0

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





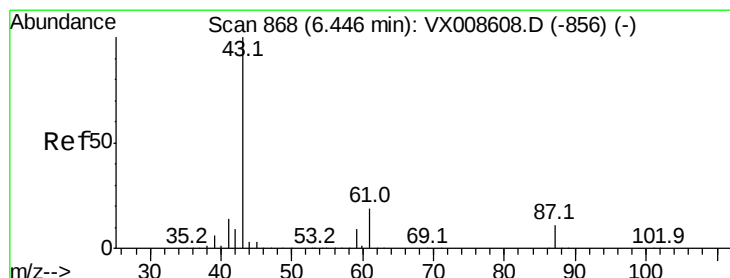
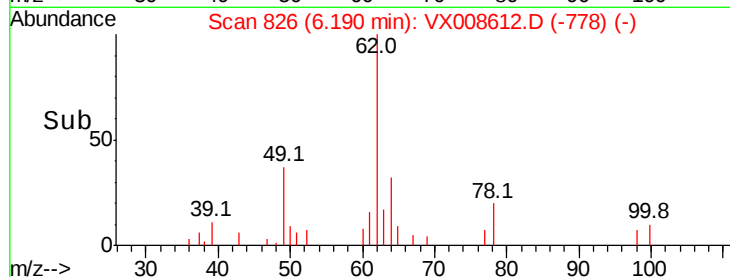
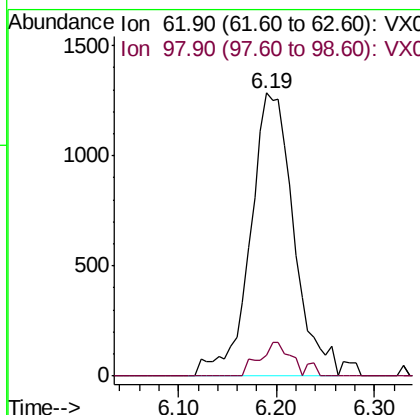
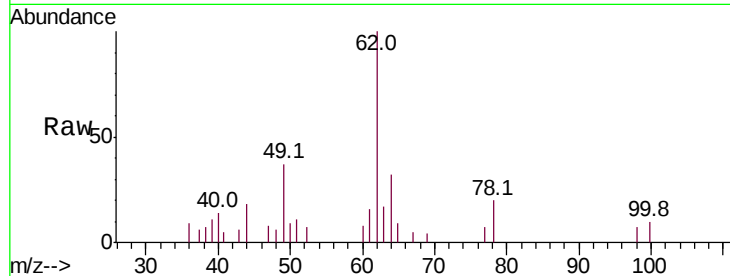
#42
 1,2-Dichloroethane
 Concen: 1.061 ug/l
 RT: 6.19 min Scan# 826
 Delta R.T. -0.01 min
 Lab File: VX008612.D
 Acq: 03 Apr 2019 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	18.0

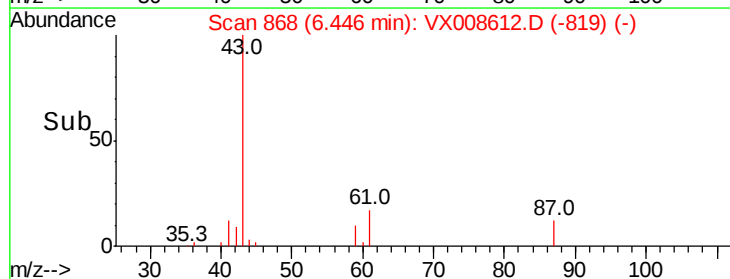
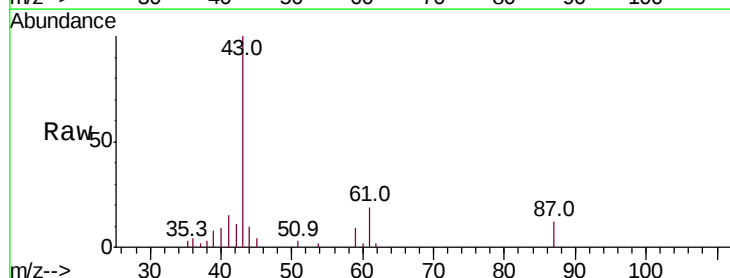
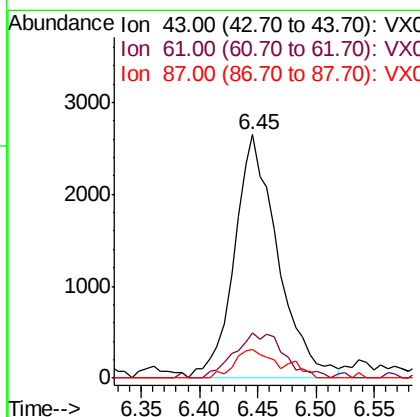
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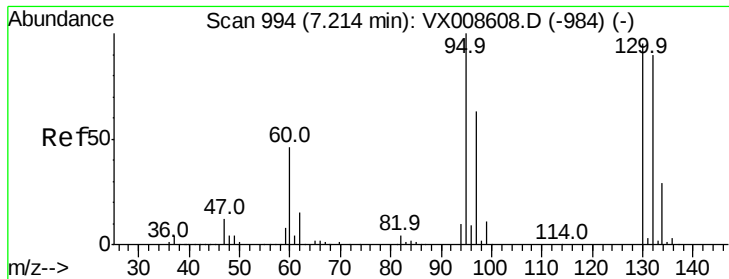
MMDadoda
 4/4/2019 3:38:41 PM



#43
 Isopropyl Acetate
 Concen: 0.937 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX008612.D
 Acq: 03 Apr 2019 12:16

Tgt Ion	Ratio	Lower	Upper
43	100		
61	21.2	15.3	22.9
87	10.0	9.0	13.6





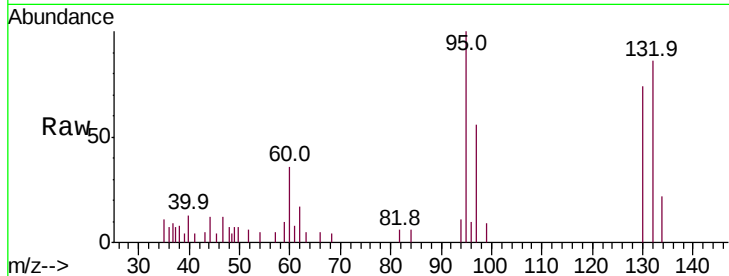
#44
 Trichloroethene
 Concen: 1.041 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX008612.D
 Acq: 03 Apr 2019 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

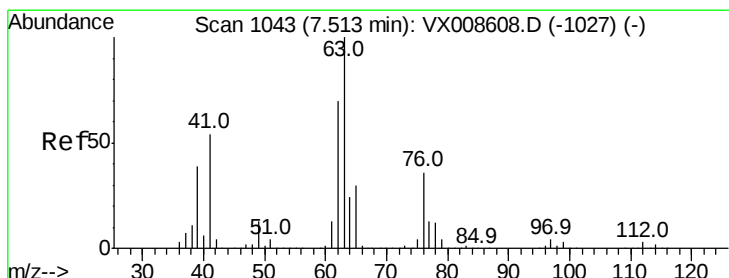
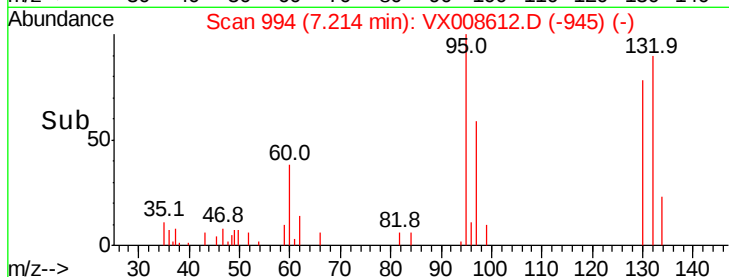
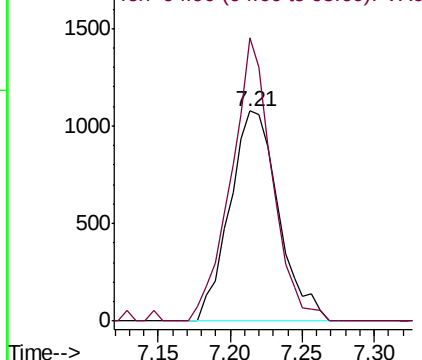
Tot Ion:130 Resp: 2538
 Ion Ratio Lower Upper
 130 100
 95 134.6 0.0 209.8

Manual Integrations
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 4/4/2019 3:38:41 PM

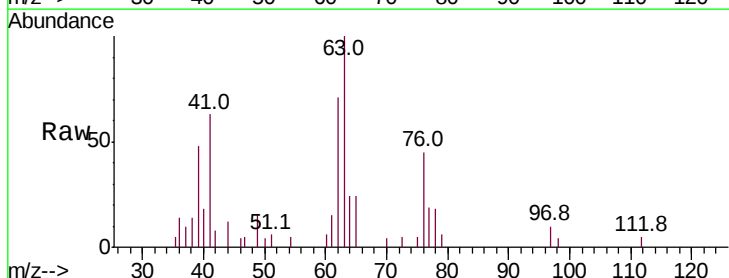


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

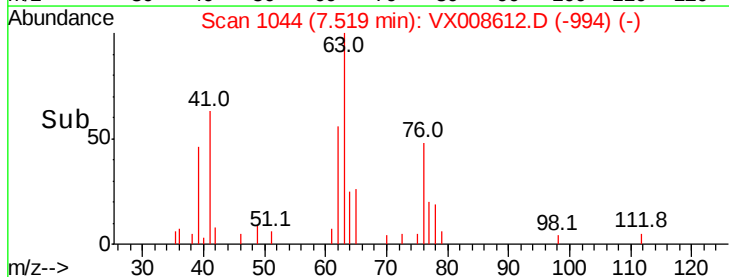
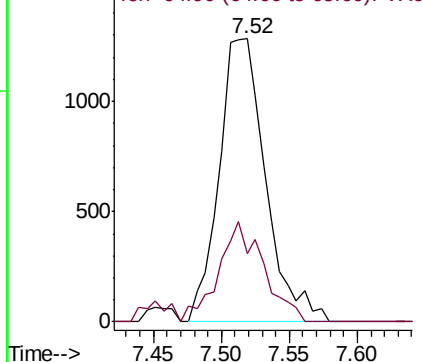


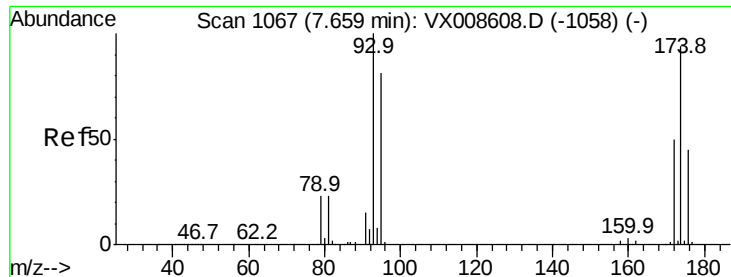
#45
 1,2-Dichloropropane
 Concen: 1.025 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.01 min
 Lab File: VX008612.D
 Acq: 03 Apr 2019 12:16

Tgt Ion: 63 Resp: 3060
 Ion Ratio Lower Upper
 63 100
 65 24.4 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VX0
 Ion 64.90 (64.60 to 65.60): VX0





#46

Dibromomethane

Concen: 1.116 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX008612.D

Acq: 03 Apr 2019 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 93 Resp: 1933

Ion Ratio Lower Upper

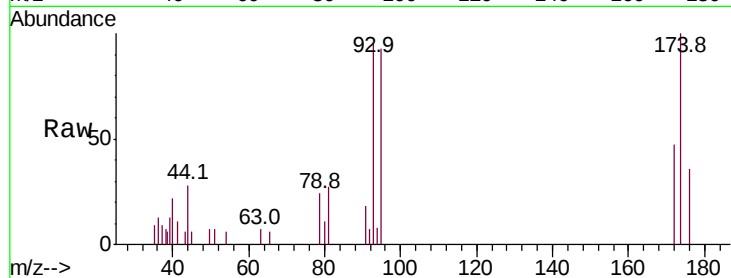
93 100

95 83.3 66.6 99.8

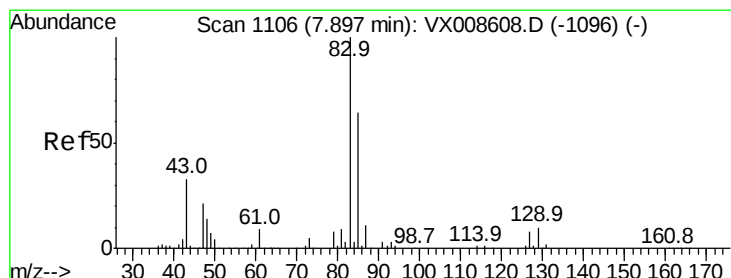
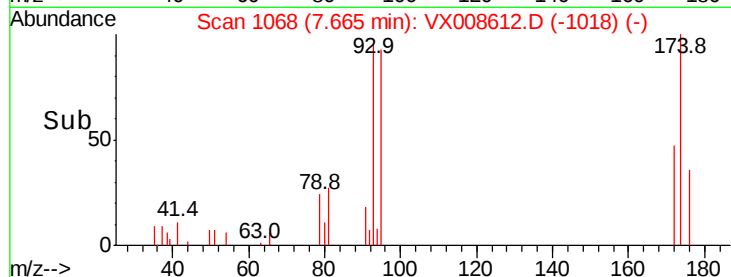
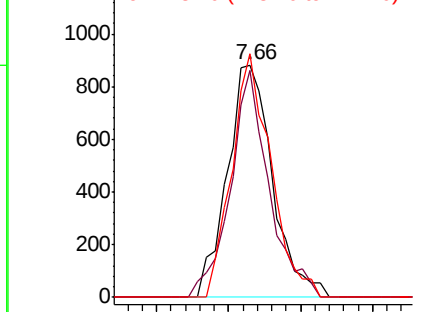
174 90.4 77.7 116.5

Manual Integrations
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Abundance Ion 92.80 (92.50 to 93.50): VX0
Ion 94.80 (94.50 to 95.50): VX0
Ion 173.70 (173.40 to 174.40): V



#47

Bromodichloromethane

Concen: 0.920 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008612.D

Acq: 03 Apr 2019 12:16

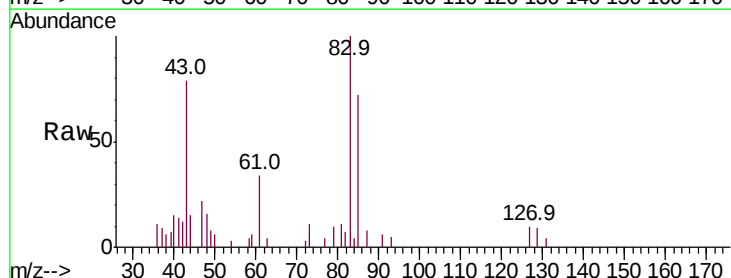
Tgt Ion: 83 Resp: 3005

Ion Ratio Lower Upper

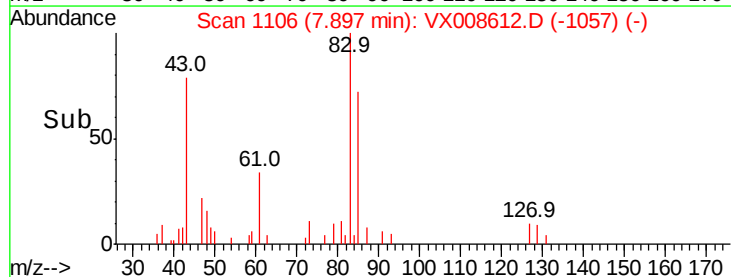
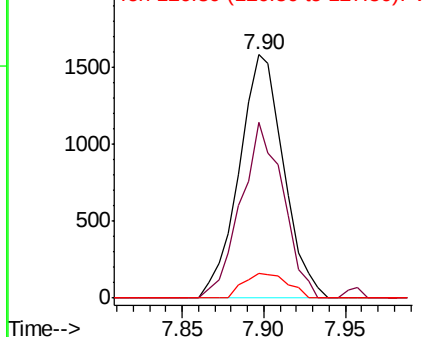
83 100

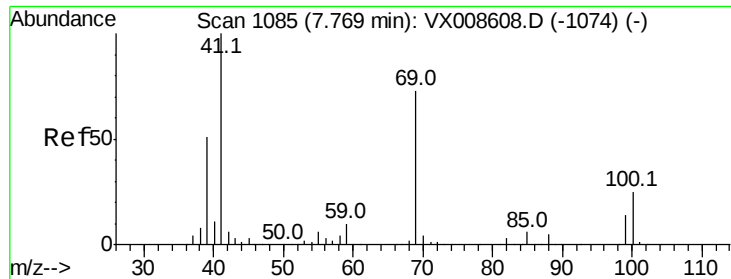
85 72.2 51.2 76.8

127 10.4 6.6 10.0#



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V





#48

Methvl methacrylate

Concen: 0.998 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX008612.D

Acq: 03 Apr 2019 12:16

Instrument :

MSVOA_X

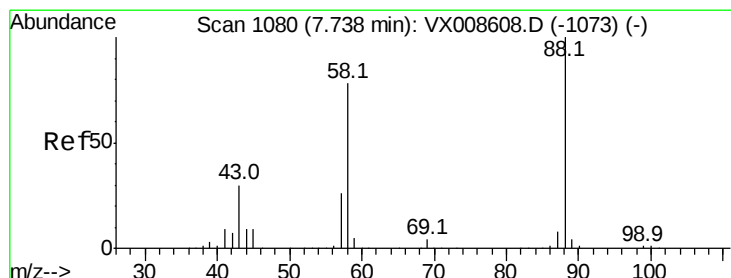
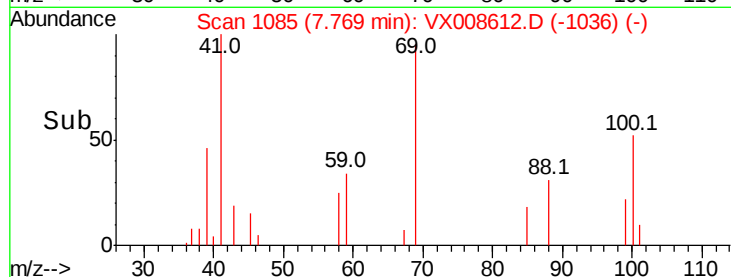
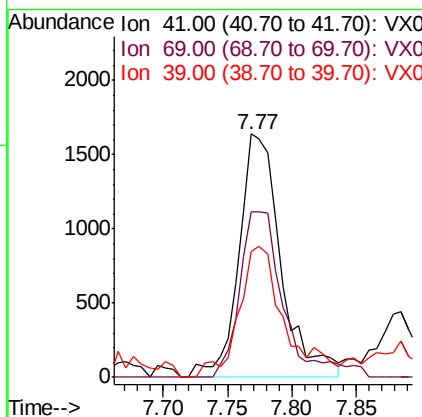
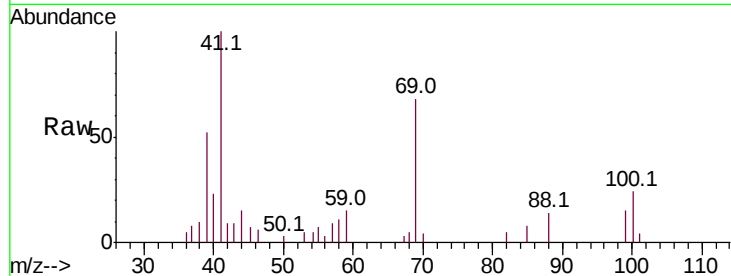
ClientSampleId :

VSTDIC001

Tot Ion:	41	Resp:	3706
Ion	Ratio	Lower	Upper
41	100		
69	71.4	59.0	88.4
39	58.0	41.0	61.4

Manual Integrations
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#49

1,4-Dioxane

Concen: 20.734 ug/l

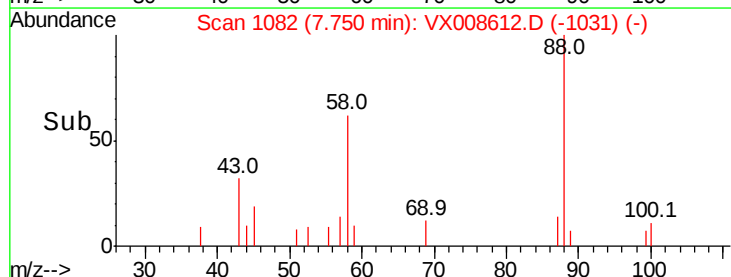
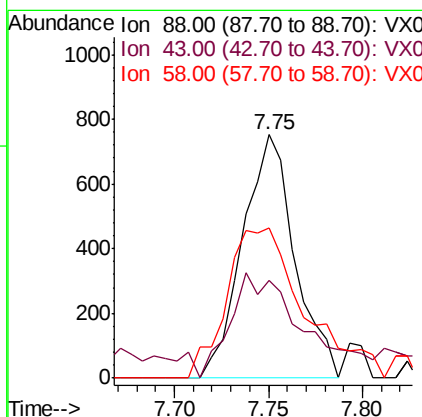
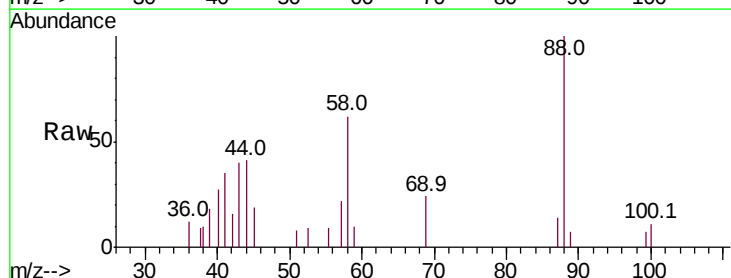
RT: 7.75 min Scan# 1082

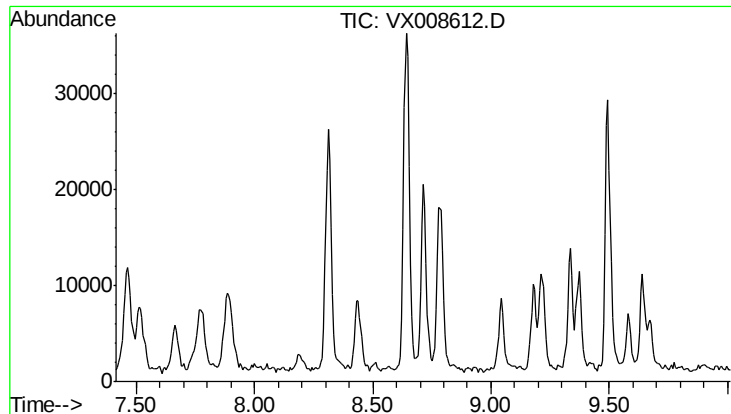
Delta R.T. 0.01 min

Lab File: VX008612.D

Acq: 03 Apr 2019 12:16

Tgt Ion:	88	Resp:	1443
Ion	Ratio	Lower	Upper
88	100		
43	60.8	28.6	43.0#
58	91.9	62.2	93.2





#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 8.71 min

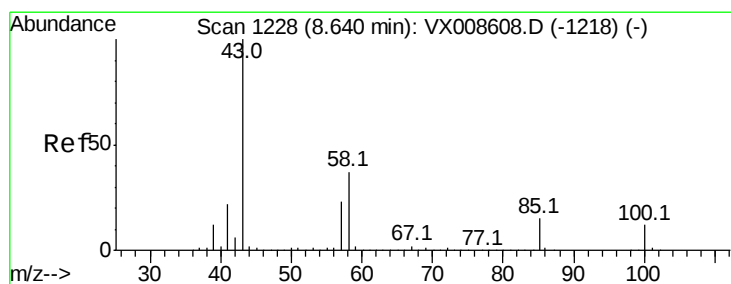
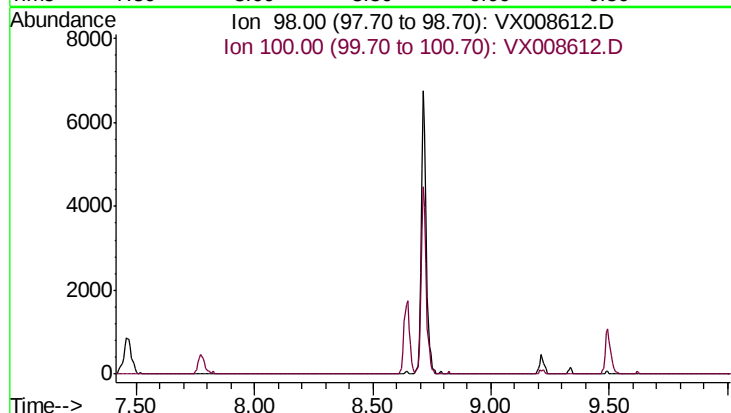
Lab File: VX008612.D
Acq: 03 Apr 2019 12:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 64.2

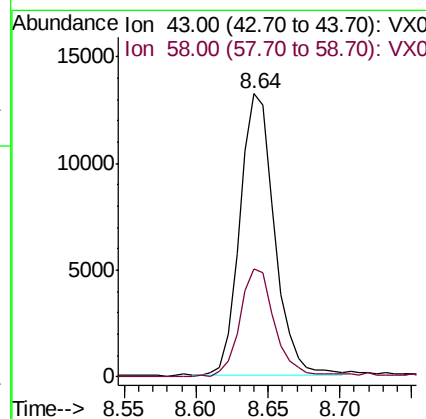
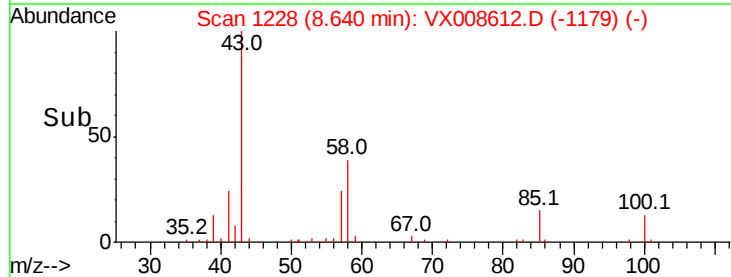
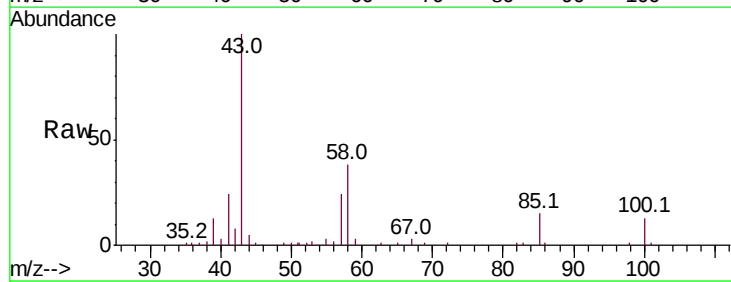
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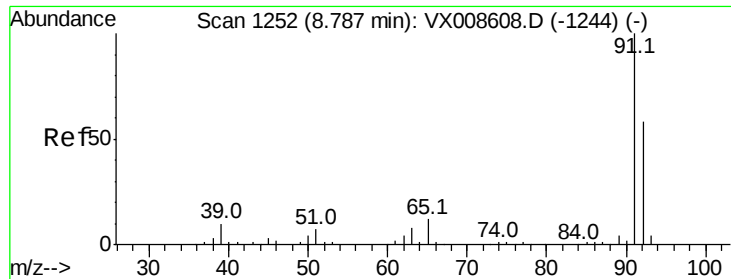
MMDadoda
4/4/2019 3:38:41 PM



#51
4-Methyl-2-Pentanone
Concen: 4.664 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX008612.D
Acq: 03 Apr 2019 12:16

Tgt Ion: 43 Resp: 22051
Ion Ratio Lower Upper
43 100
58 39.0 29.5 44.3





#52

Toluene

Concen: 0.991 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008612.D

Acq: 03 Apr 2019 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 6113

Ion Ratio Lower Upper

92 100

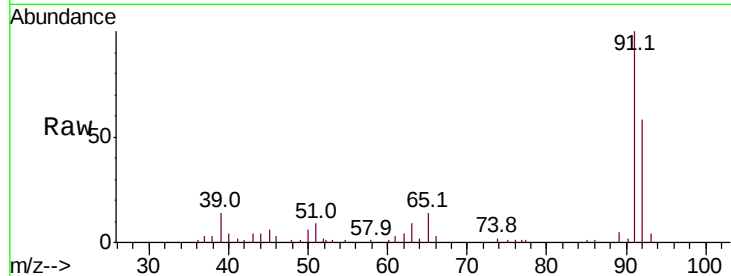
91 178.6 138.5 207.7

Manual Integrations

APPROVED

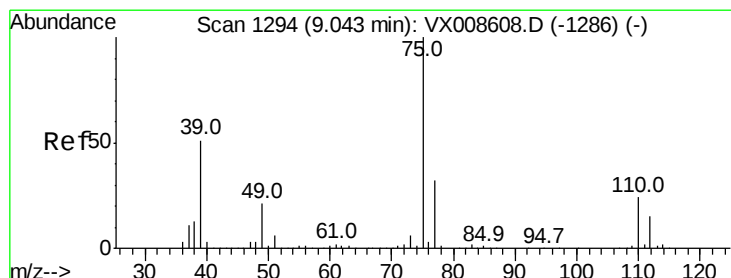
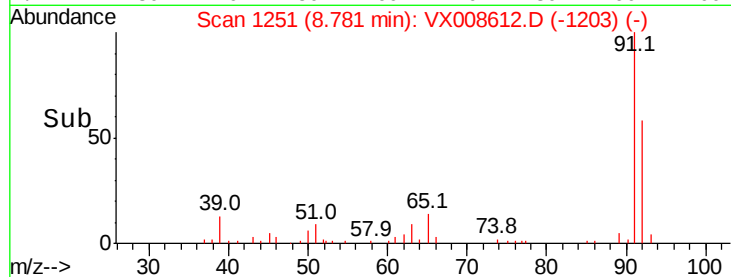
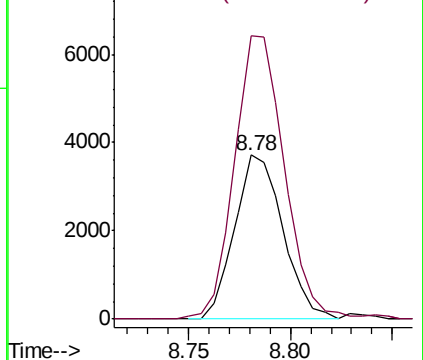
MMDadoda

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Abundance Ion 92.00 (91.70 to 92.70): VX008612.D (-1251) (-)

Ion 91.00 (90.70 to 91.70): VX008612.D (-1251) (-)



#53

t-1,3-Dichloropropene

Concen: 0.866 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX008612.D

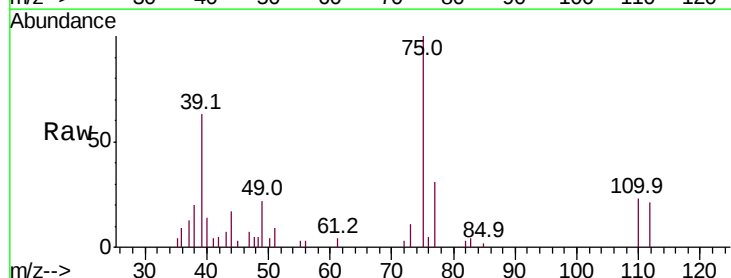
Acq: 03 Apr 2019 12:16

Tgt Ion: 75 Resp: 3168

Ion Ratio Lower Upper

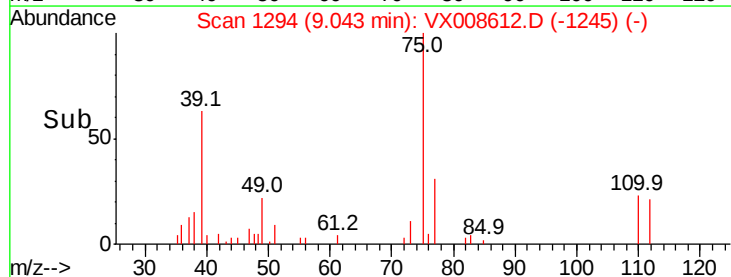
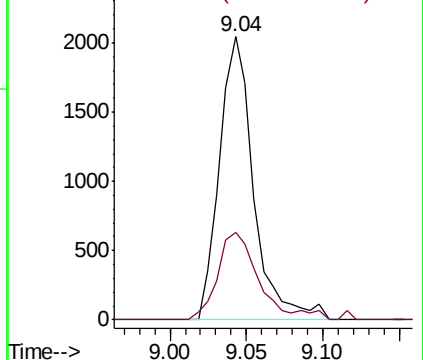
75 100

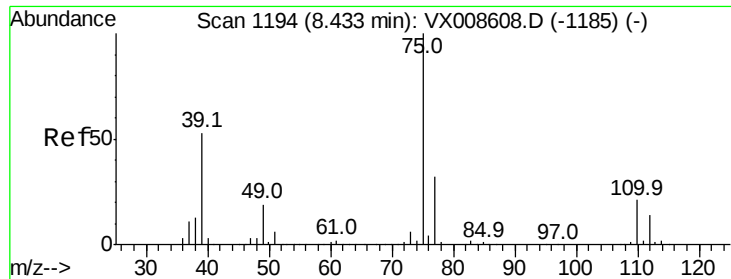
77 31.1 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VX008612.D (-1294) (-)

Ion 76.90 (76.60 to 77.60): VX008612.D (-1294) (-)





#54

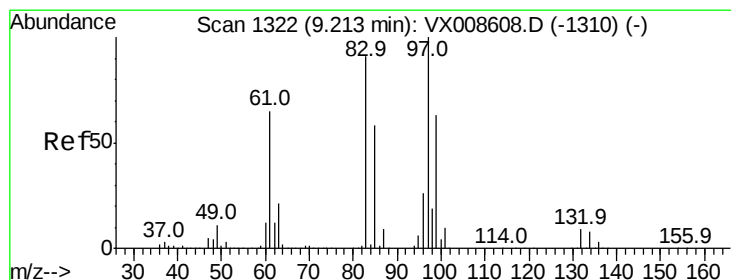
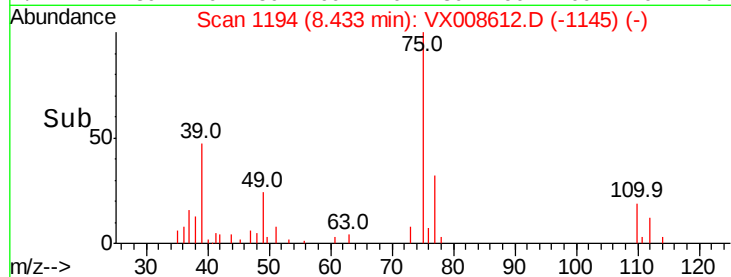
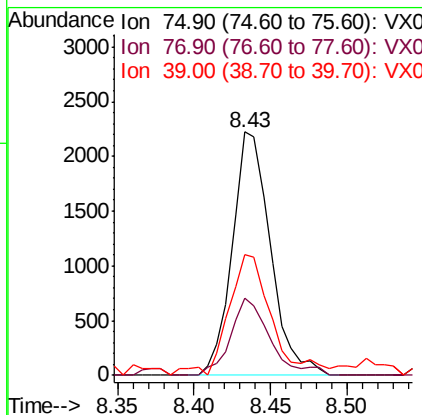
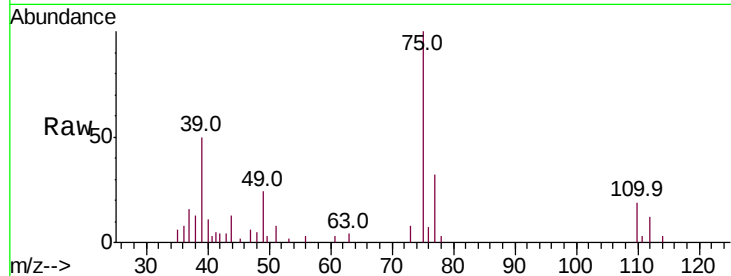
cis-1,3-Dichloropropene
 Concen: 0.924 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX008612.D
 Acq: 03 Apr 2019 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.3	37.9
39	46.9	42.6	63.8

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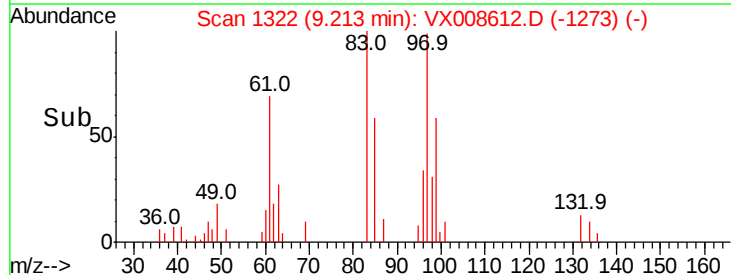
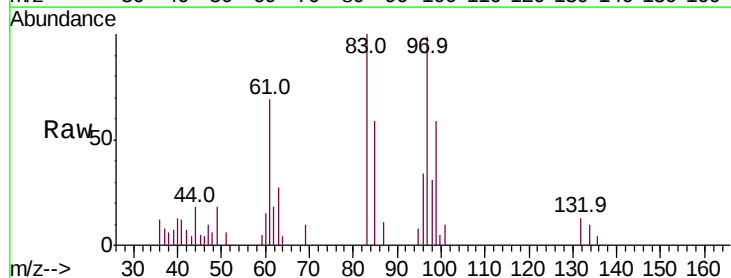
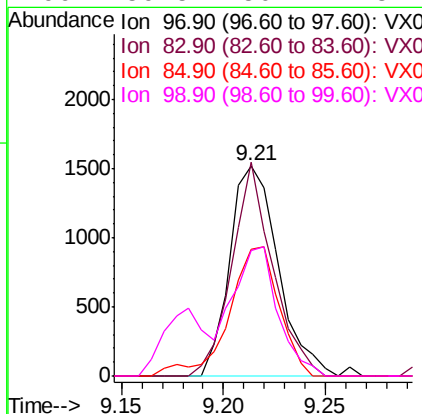
MMDadoda
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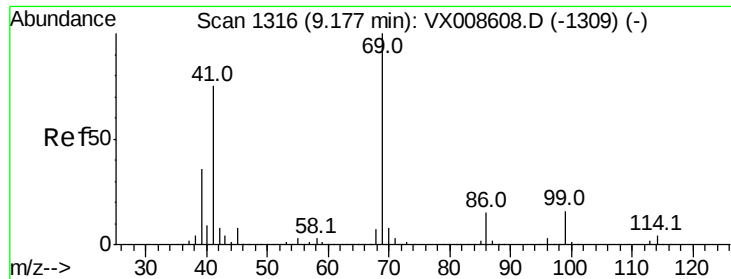


#55

1,1,2-Trichloroethane
 Concen: 1.009 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008612.D
 Acq: 03 Apr 2019 12:16

Tgt Ion	Ratio	Lower	Upper
97	100		
83	101.5	73.2	109.8
85	60.2	46.6	69.8
99	59.5	50.1	75.1





#56

Ethyl methacrylate

Concen: 0.921 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX008612.D

Acq: 03 Apr 2019 12:16

Instrument :

MSVOA_X

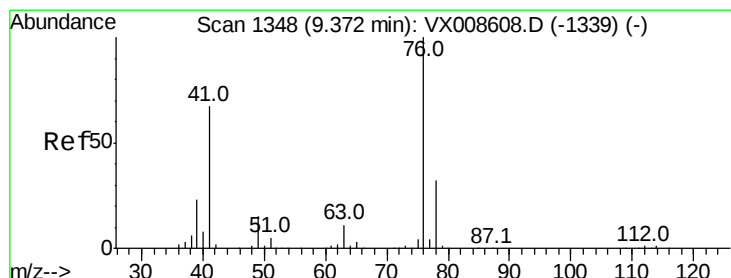
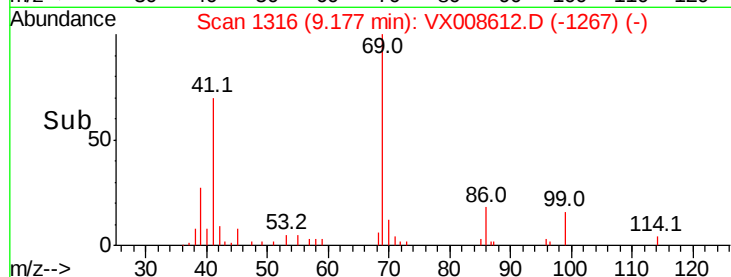
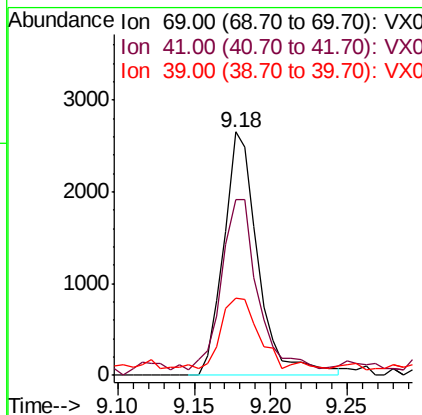
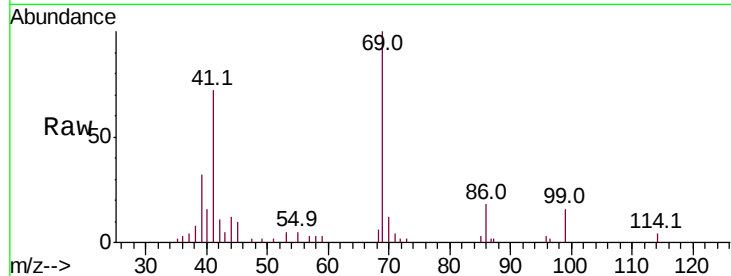
ClientSampleId :

VSTDIC001

Tot Ion:	69	Resp:	4126
Ion	Ratio	Lower	Upper
69	100		
41	77.2	60.1	90.1
39	34.3	28.9	43.3

Manual Integrations
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MMDadoda
4/4/2019 3:38:41 PM



#57

1,3-Dichloropropane

Concen: 1.018 ug/l

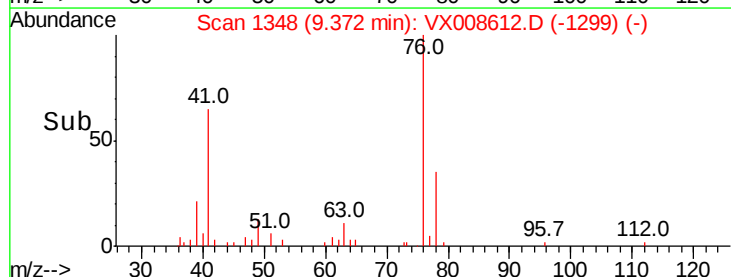
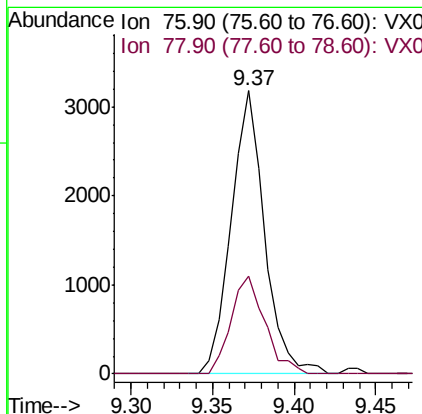
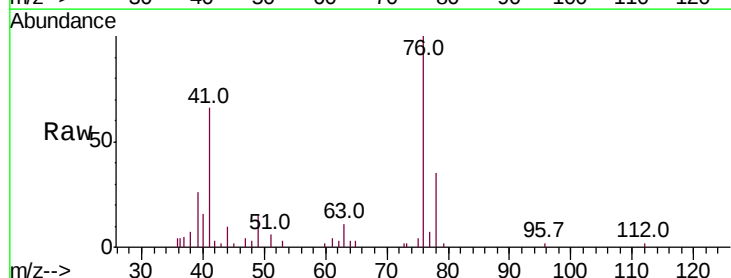
RT: 9.37 min Scan# 1348

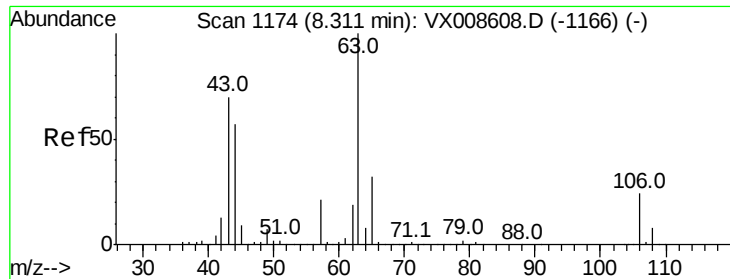
Delta R.T. 0.00 min

Lab File: VX008612.D

Acq: 03 Apr 2019 12:16

Tgt Ion:	76	Resp:	4528
Ion	Ratio	Lower	Upper
76	100		
78	35.1	25.6	38.4





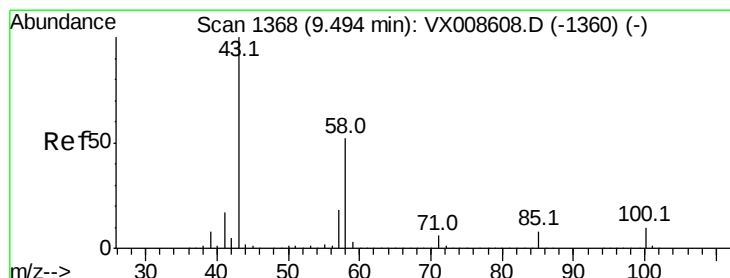
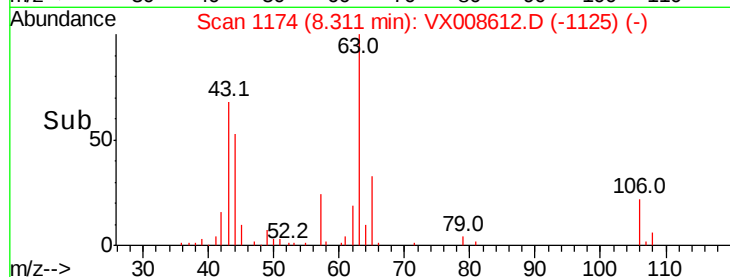
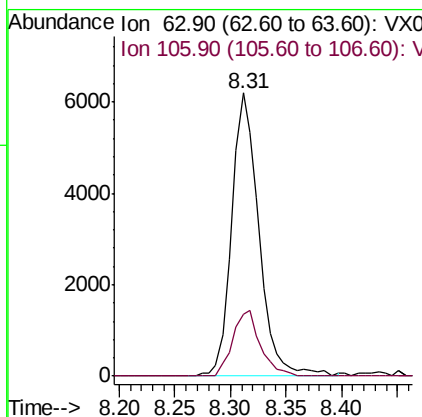
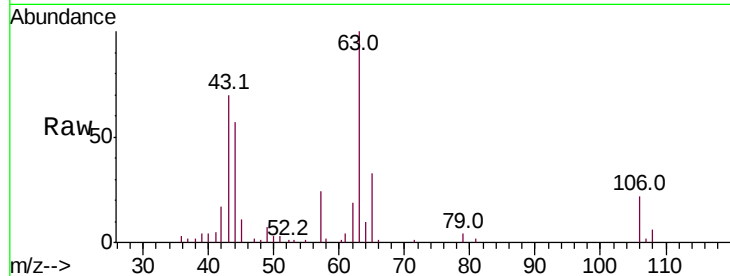
#58
2-Chloroethyl Vinyl ether
Concen: 4.584 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VX008612.D
Acq: 03 Apr 2019 12:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 63 Resp: 10487
Ion Ratio Lower Upper
63 100
106 23.4 19.0 28.6

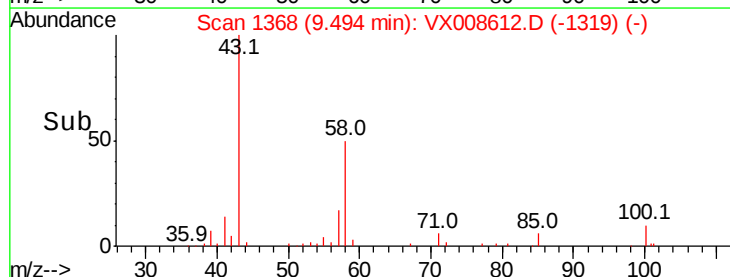
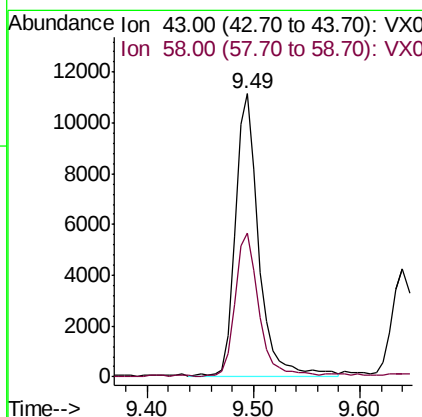
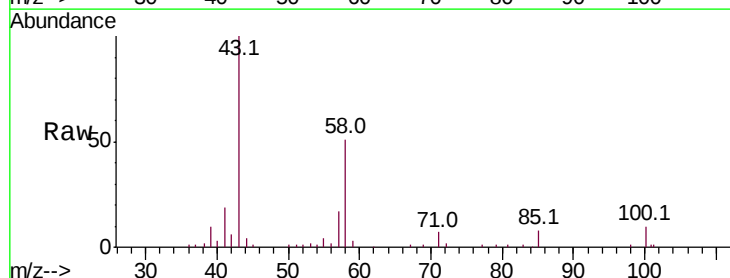
Manual Integrations
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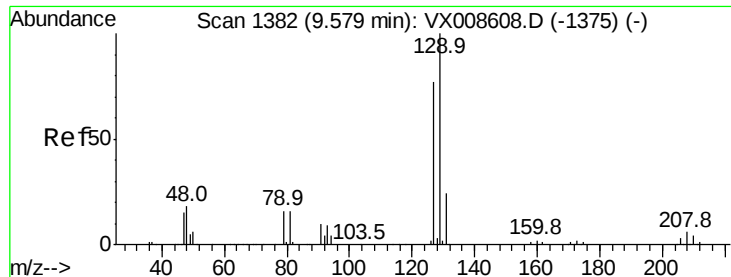
MMDadoda
4/4/2019 3:38:41 PM



#59
2-Hexanone
Concen: 4.726 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX008612.D
Acq: 03 Apr 2019 12:16

Tgt Ion: 43 Resp: 17366
Ion Ratio Lower Upper
43 100
58 51.5 25.9 77.7





#60

Dibromochloromethane

Concen: 0.881 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX008612.D

Acq: 03 Apr 2019 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 2056

Ion Ratio Lower Upper

129 100

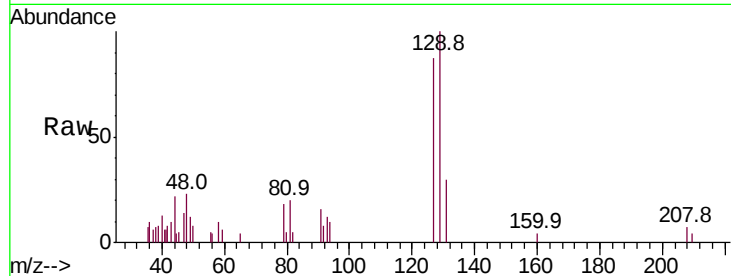
127 78.6 38.5 115.3

Manual Integrations

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MMDadoda

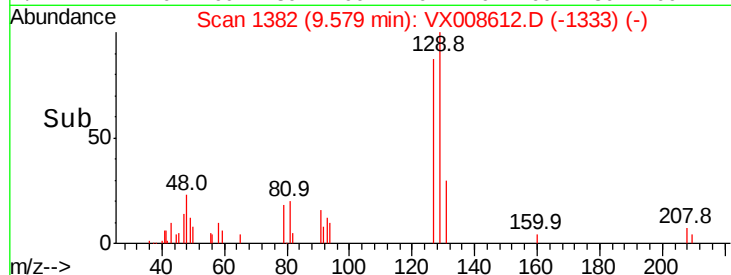
4/4/2019 3:38:41 PM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.58

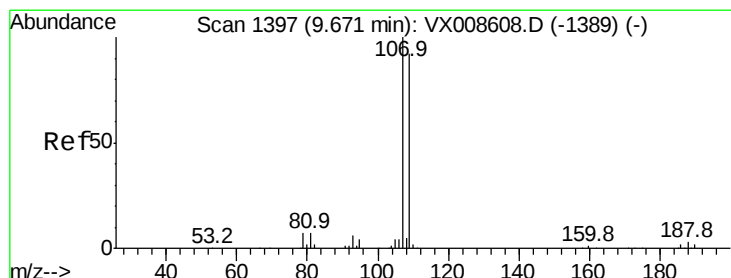


Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.58

Time-->



#61

1,2-Dibromoethane

Concen: 1.022 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008612.D

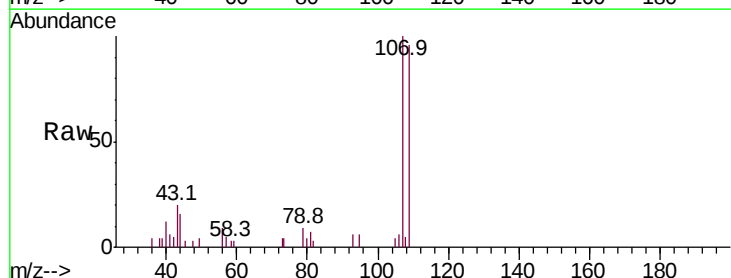
Acq: 03 Apr 2019 12:16

Tgt Ion:107 Resp: 2634

Ion Ratio Lower Upper

107 100

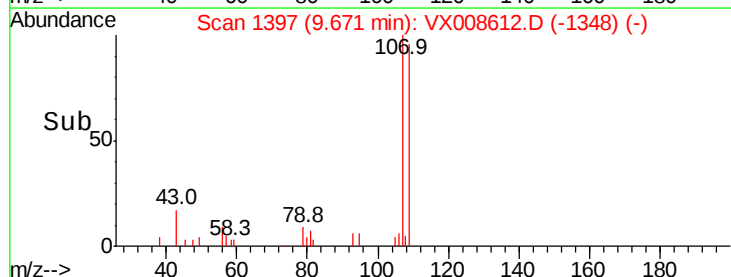
109 89.6 74.1 111.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

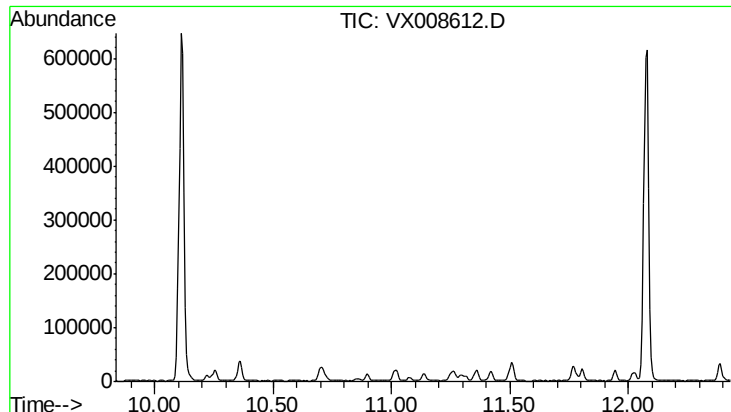


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

Time-->



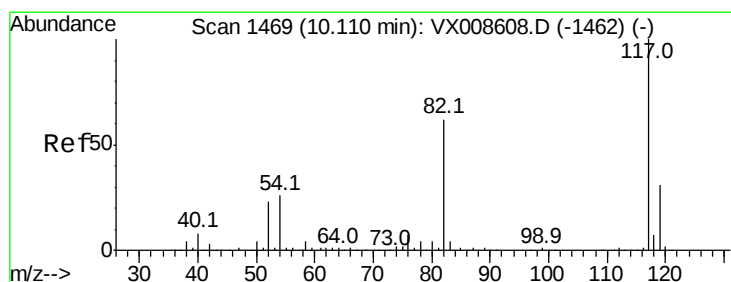
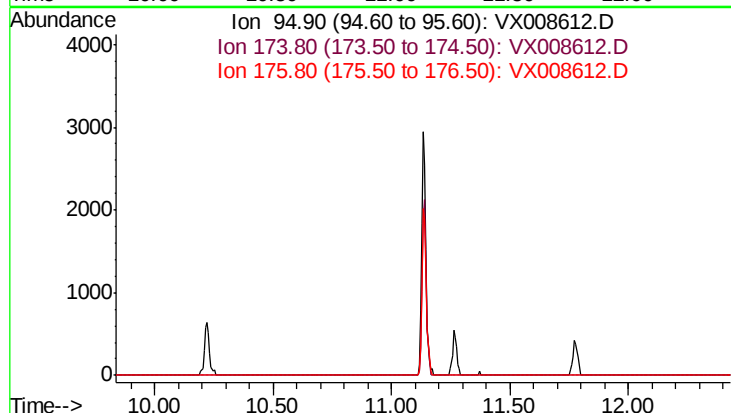
#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 11.13 min
Lab File: VX008612.D
Acq: 03 Apr 2019 12:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 95
Sig Exp Ratio
95 100
174 75.9
176 72.9

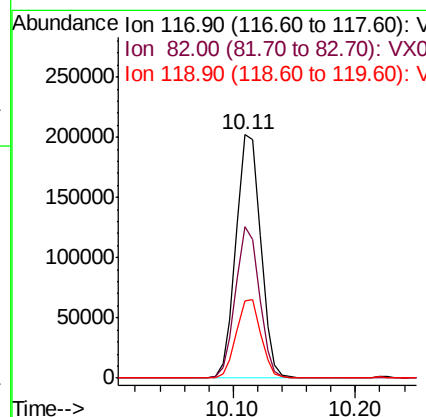
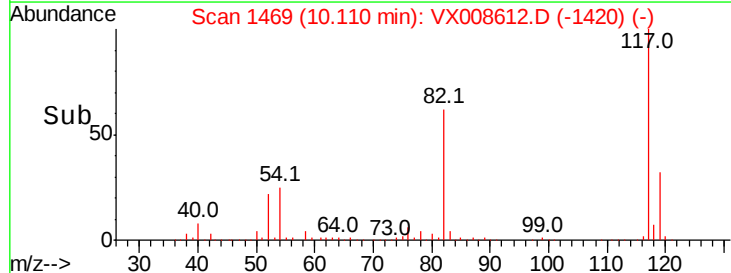
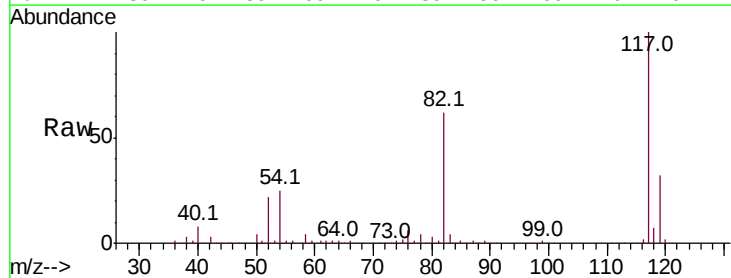
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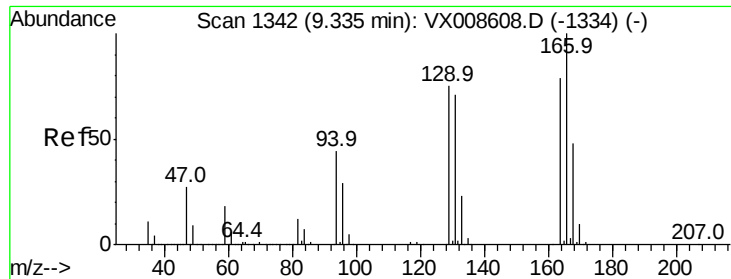
MMDadoda
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008612.D
Acq: 03 Apr 2019 12:16

Tgt Ion: 117 Resp: 281591
Ion Ratio Lower Upper
117 100
82 62.2 49.6 74.4
119 31.9 25.0 37.4





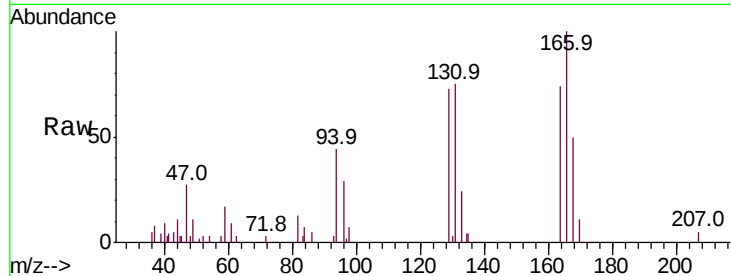
#64
 Tetrachloroethene
 Concen: 1.097 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. 0.00 min
 Lab File: VX008612.D
 Acq: 03 Apr 2019 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

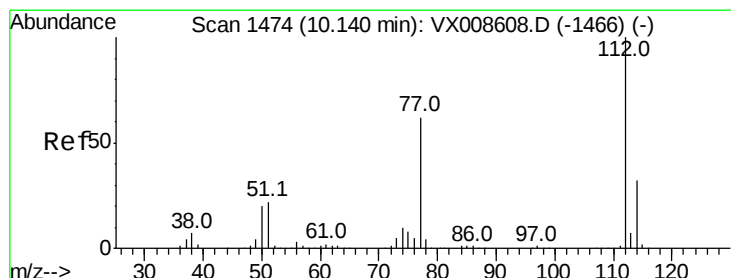
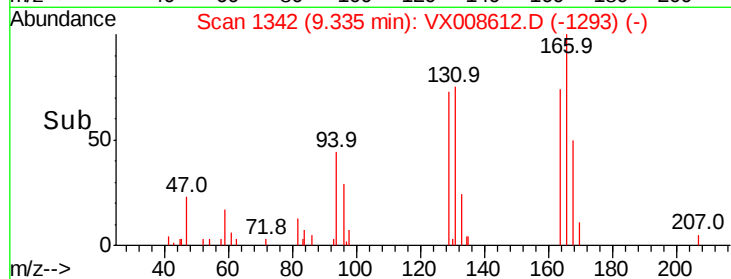
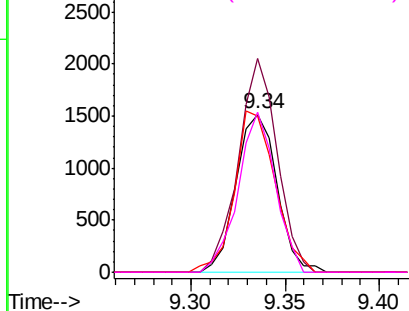
Tot Ion:	164	Resp:	2288
Ion	Ratio	Lower	Upper
164	100		
166	135.5	101.0	151.6
129	99.0	75.8	113.8
131	101.2	71.8	107.8

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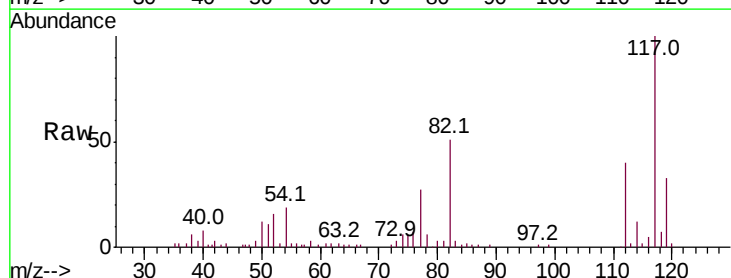


Abundance Ion 163.80 (163.50 to 164.50): V
 Ion 165.80 (165.50 to 166.50): V
 Ion 128.80 (128.50 to 129.50): V
 Ion 130.80 (130.50 to 131.50): V

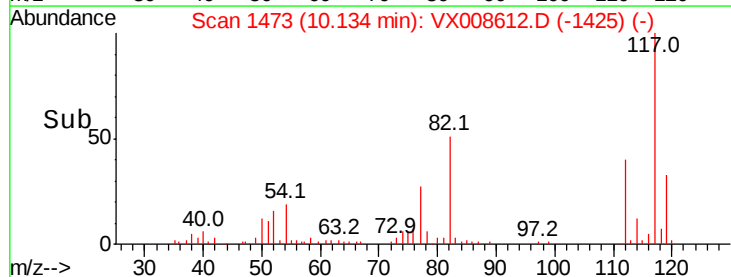
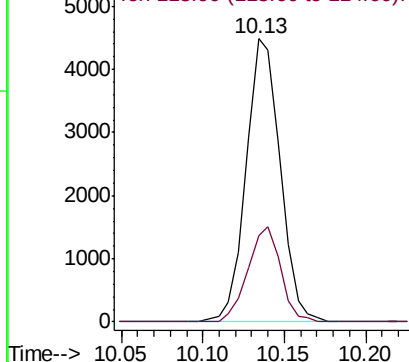


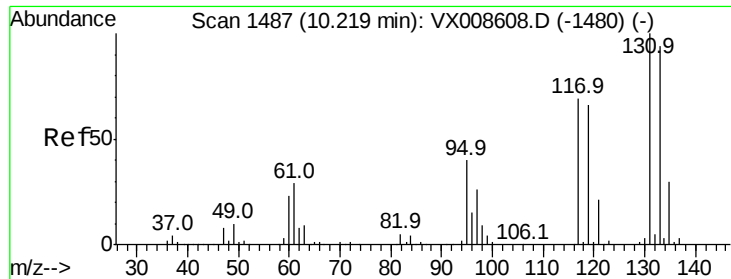
#65
 Chlorobenzene
 Concen: 1.046 ug/l
 RT: 10.13 min Scan# 1473
 Delta R.T. -0.01 min
 Lab File: VX008612.D
 Acq: 03 Apr 2019 12:16

Tgt Ion:	112	Resp:	6532
Ion	Ratio	Lower	Upper
112	100		
114	30.5	25.8	38.8



Abundance Ion 111.90 (111.60 to 112.60): V
 Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 0.954 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX008612.D

Acq: 03 Apr 2019 12:16

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

Tot Ion:131 Resp: 2090

Ion Ratio Lower Upper

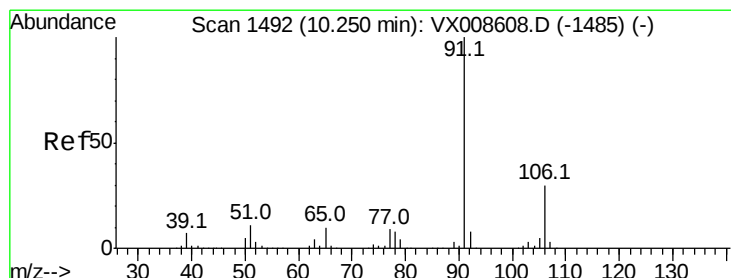
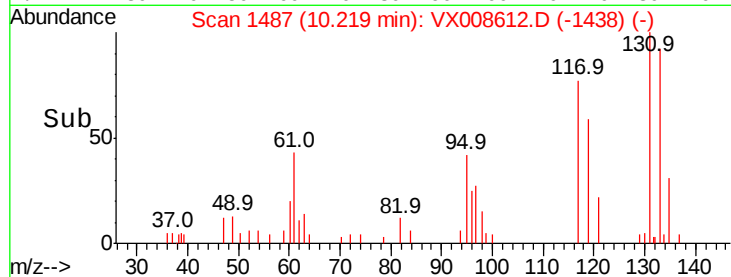
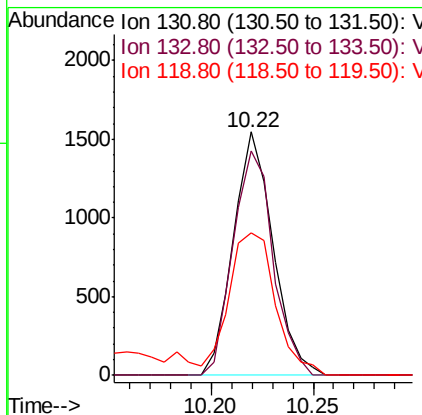
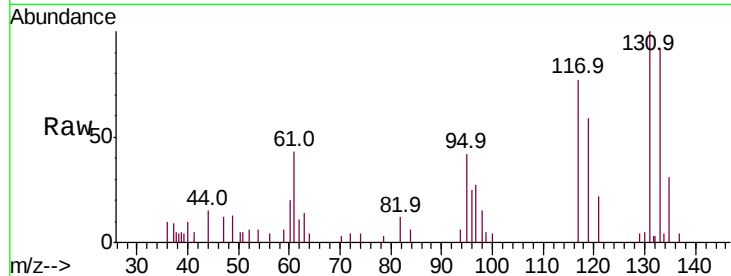
131 100

133 92.7 47.0 141.2

119 0.0 33.7 101.0#

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#67

Ethyl Benzene

Concen: 0.978 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008612.D

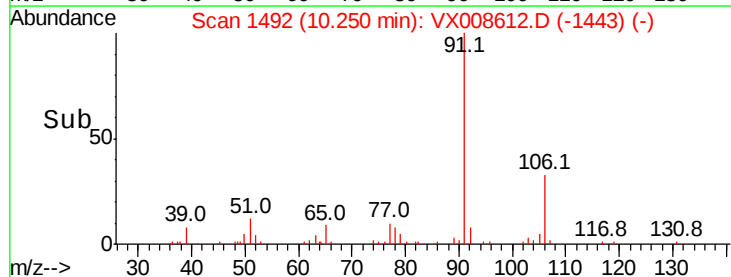
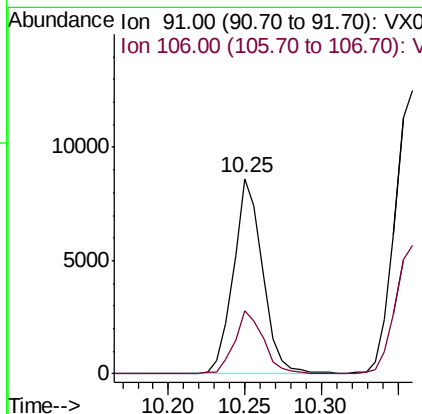
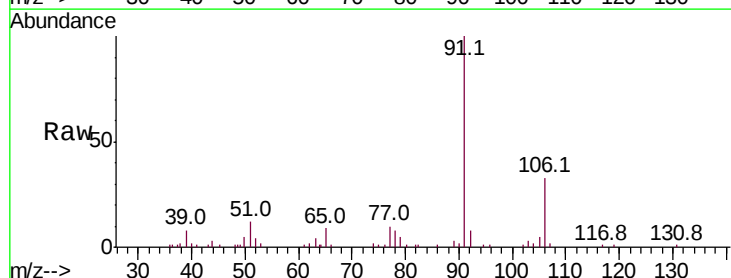
Acq: 03 Apr 2019 12:16

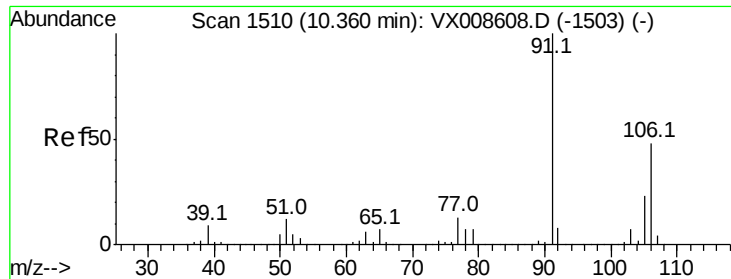
Tgt Ion: 91 Resp: 11389

Ion Ratio Lower Upper

91 100

106 32.6 23.7 35.5





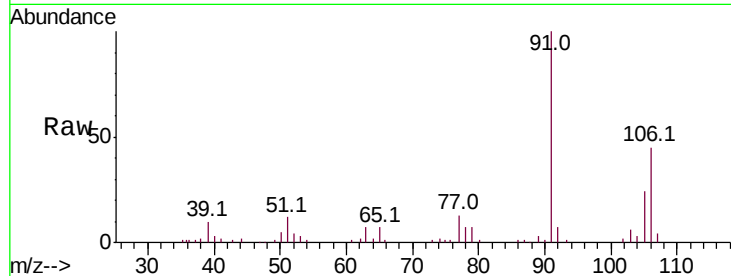
#68
m/p-Xylenes
Concen: 1.908 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX008612.D
Acq: 03 Apr 2019 12:16

Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

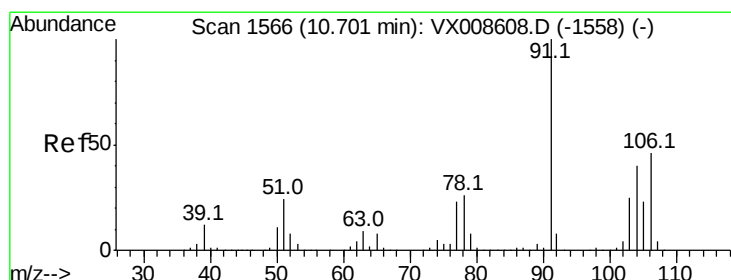
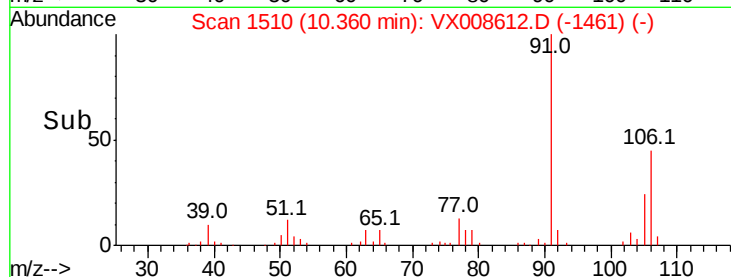
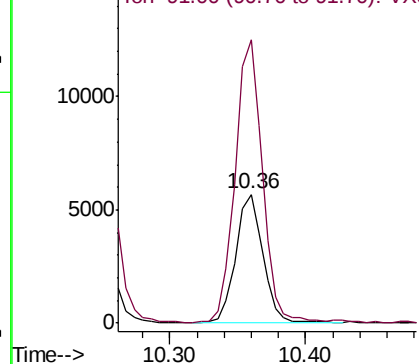
Tot Ion:106 Resp: 7986
Ion Ratio Lower Upper
106 100
91 219.1 168.5 252.7

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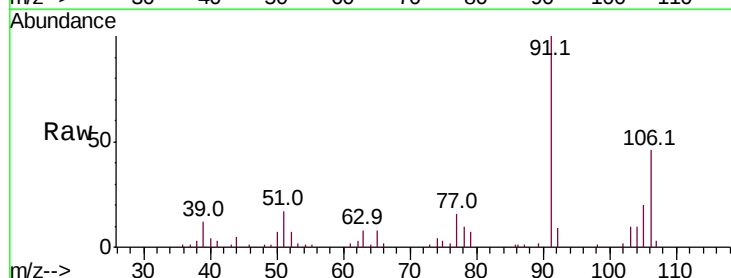


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

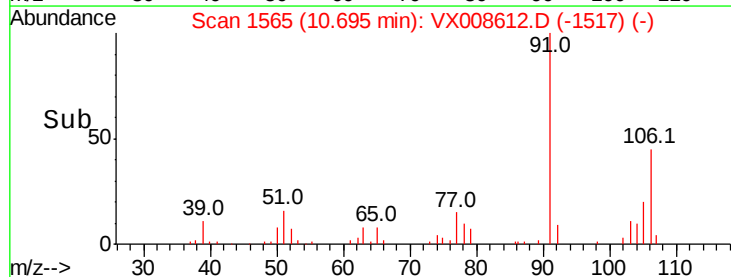
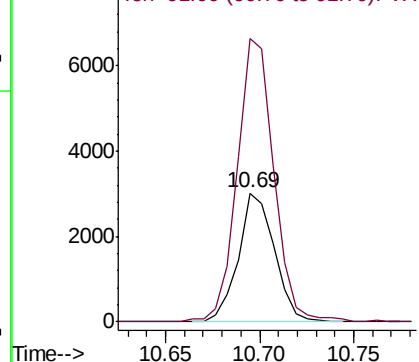


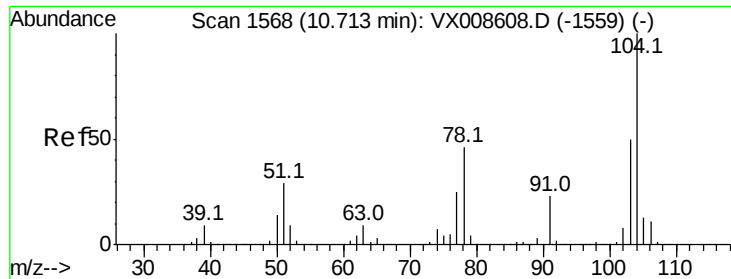
#69
o-Xylene
Concen: 0.985 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008612.D
Acq: 03 Apr 2019 12:16

Tgt Ion:106 Resp: 3996
Ion Ratio Lower Upper
106 100
91 224.3 111.5 334.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0





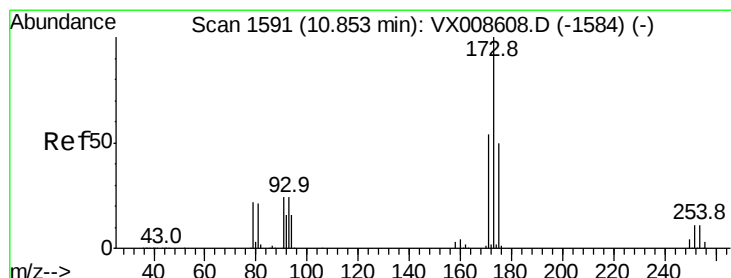
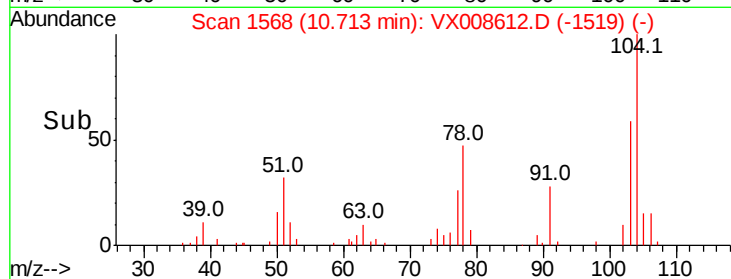
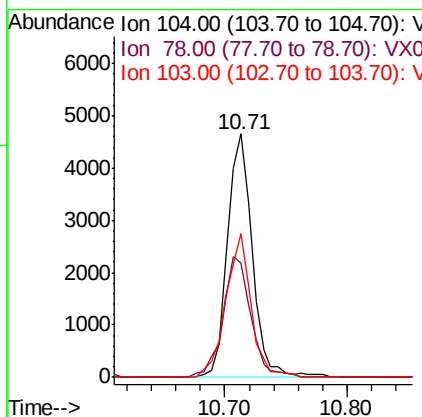
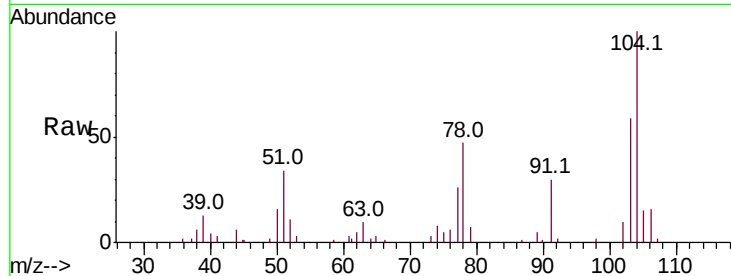
#70
Stvrene
Concen: 0.932 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008612.D
Acq: 03 Apr 2019 12:16

Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	55.8	42.3	63.5
103	60.1	44.4	66.6

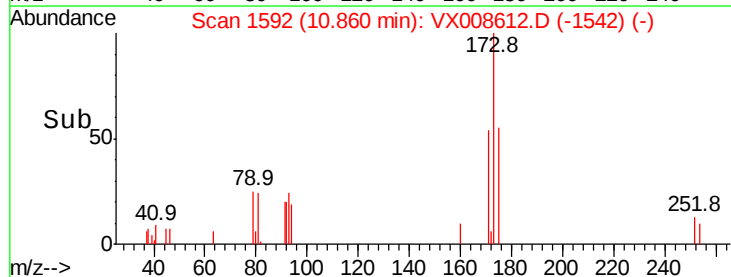
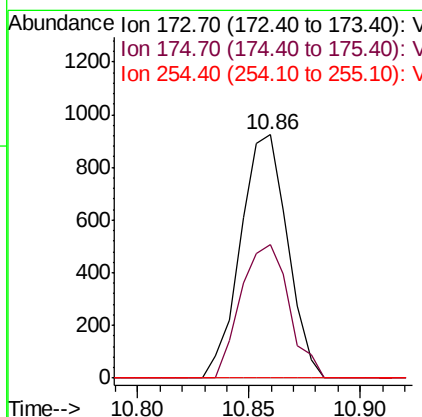
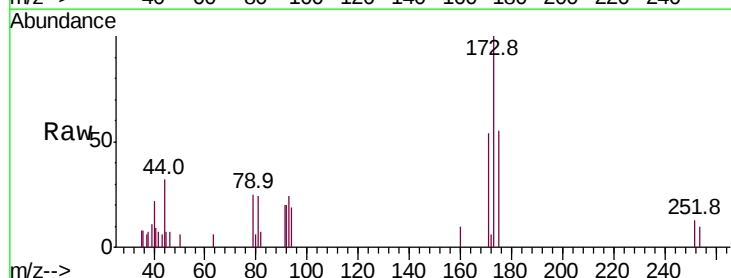
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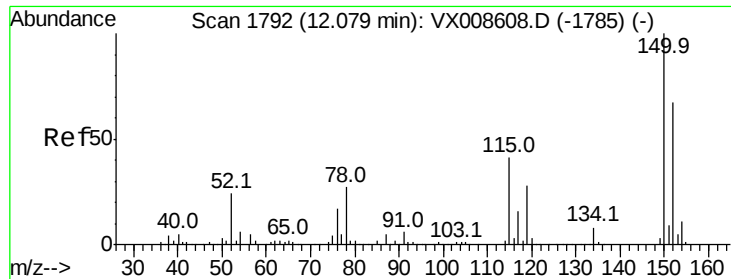
MMDadoda
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#71
Bromoform
Concen: 0.811 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.01 min
Lab File: VX008612.D
Acq: 03 Apr 2019 12:16

Tgt Ion	Ratio	Lower	Upper
173	100		
175	56.4	24.9	74.6
254	0.0	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008612.D

Acq: 03 Apr 2019 12:16

Instrument :

MSVOA_X

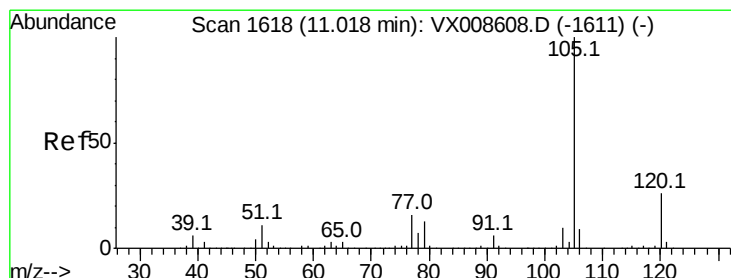
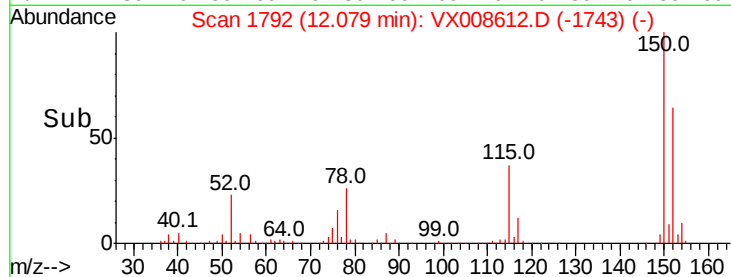
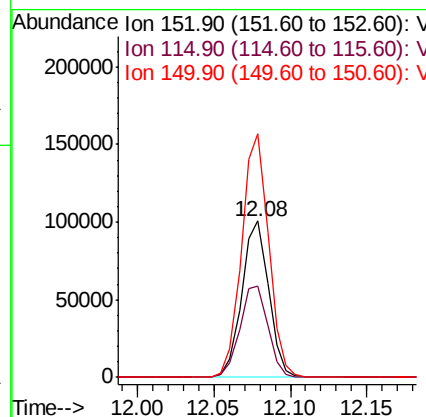
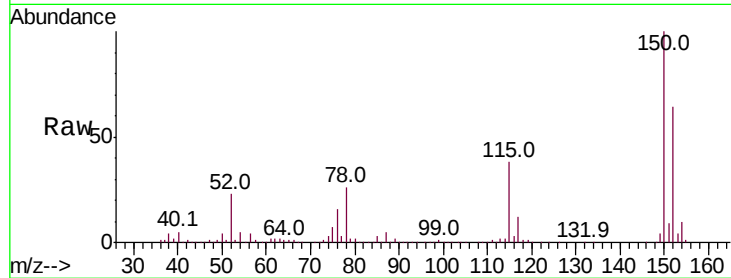
ClientSampleId :

VSTDIC001

Tot Ion:	152	Resp:	122184
Ion Ratio	Lower	Upper	
152	100		
115	61.3	43.5	130.5
150	156.6	0.0	348.8

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#73

Isopropylbenzene

Concen: 0.997 ug/l

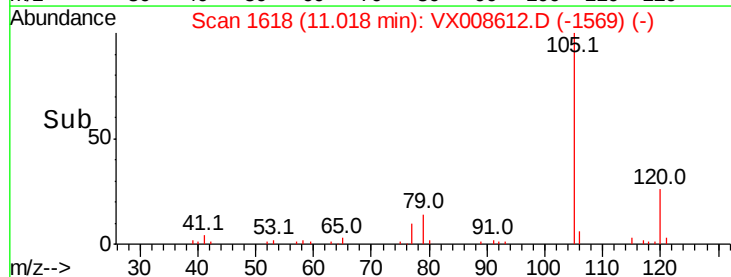
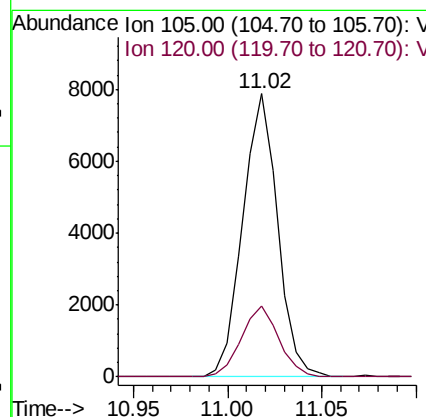
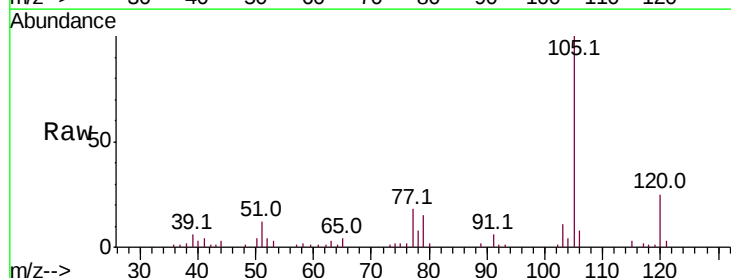
RT: 11.02 min Scan# 1618

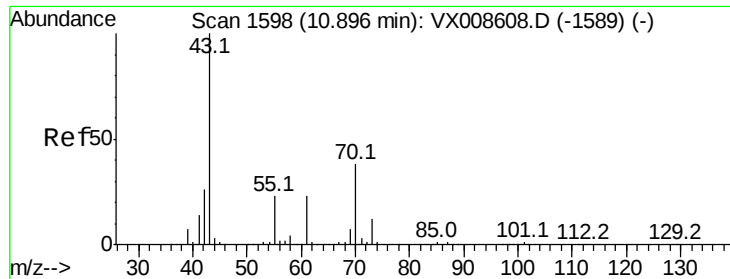
Delta R.T. 0.00 min

Lab File: VX008612.D

Acq: 03 Apr 2019 12:16

Tgt Ion:	105	Resp:	10100
Ion Ratio	Lower	Upper	
105	100		
120	26.9	12.9	38.6





#74

N-amvl acetate

Concen: 0.978 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008612.D

Acq: 03 Apr 2019 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 5828

Ion Ratio Lower Upper

43 100

70 36.9 30.2 45.4

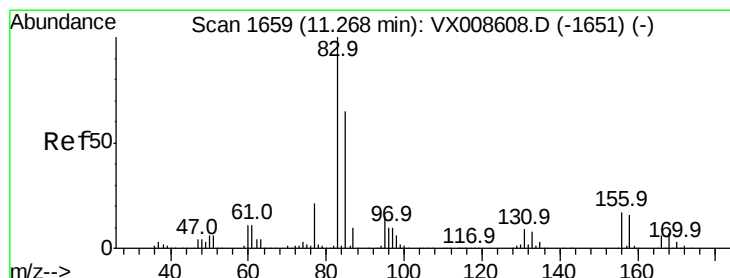
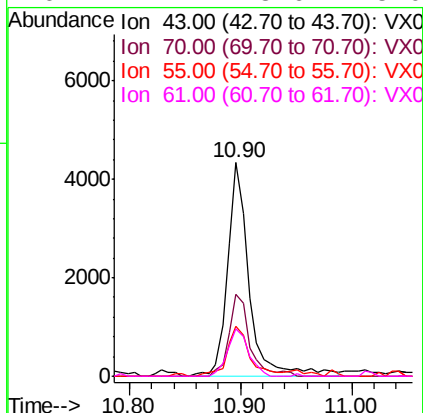
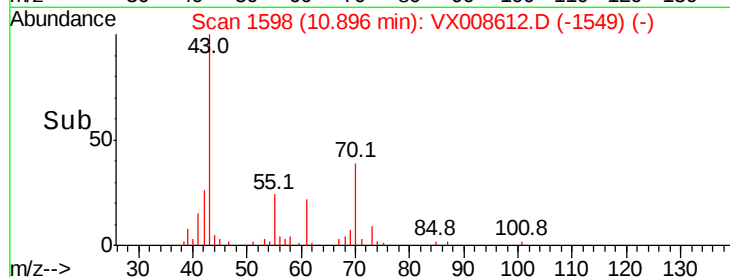
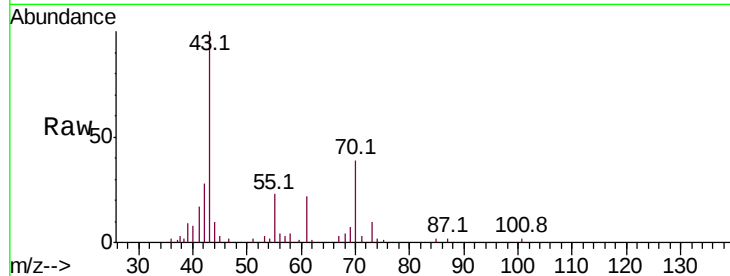
55 23.7 18.2 27.4

61 21.2 18.6 28.0

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#75

1,1,2,2-Tetrachloroethane

Concen: 1.062 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008612.D

Acq: 03 Apr 2019 12:16

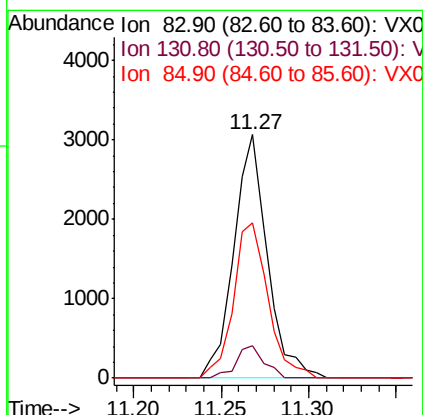
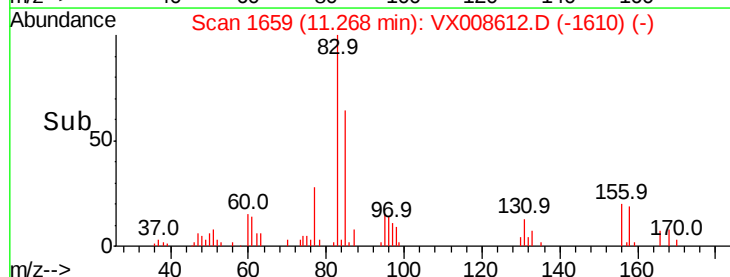
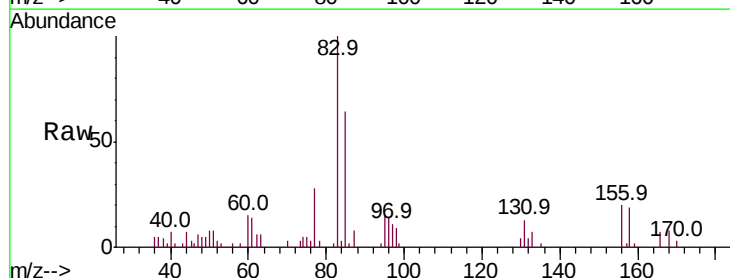
Tgt Ion: 83 Resp: 4090

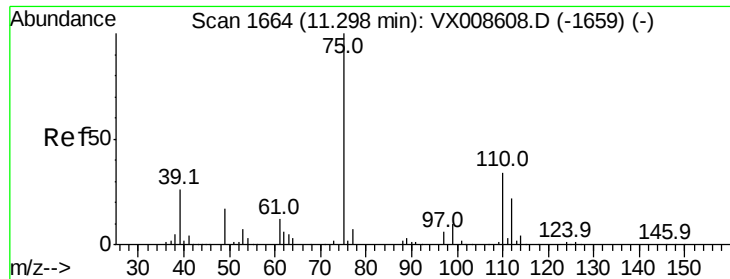
Ion Ratio Lower Upper

83 100

131 11.0 4.5 13.7

85 65.6 32.0 96.2





#76

1,2,3-Trichloropropane

Concen: 1.115 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX008612.D

Acq: 03 Apr 2019 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 4027

Ion Ratio Lower Upper

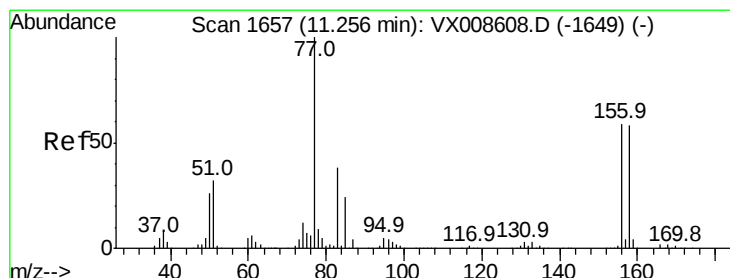
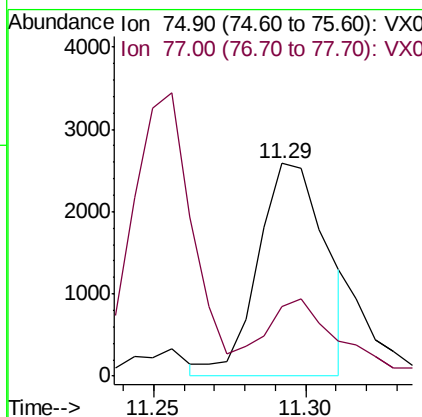
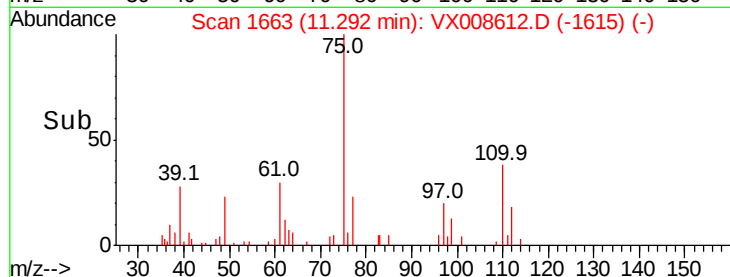
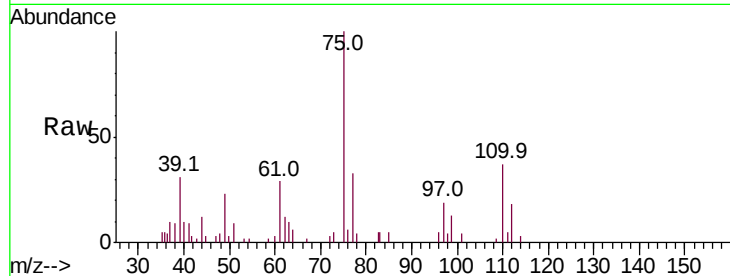
75 100

77 38.0 22.3 66.8

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#77

Bromobenzene

Concen: 1.043 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008612.D

Acq: 03 Apr 2019 12:16

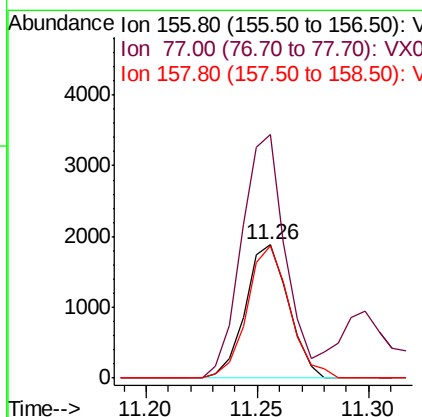
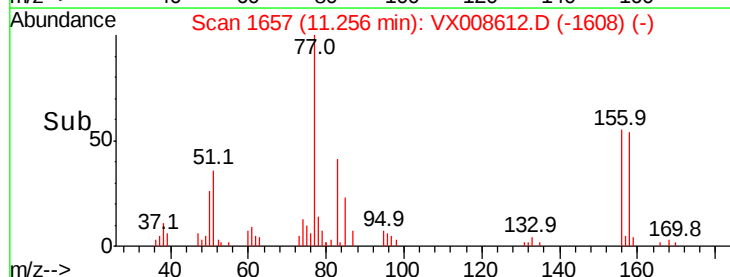
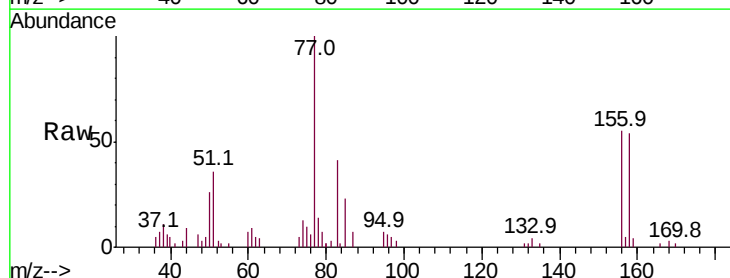
Tgt Ion: 156 Resp: 2539

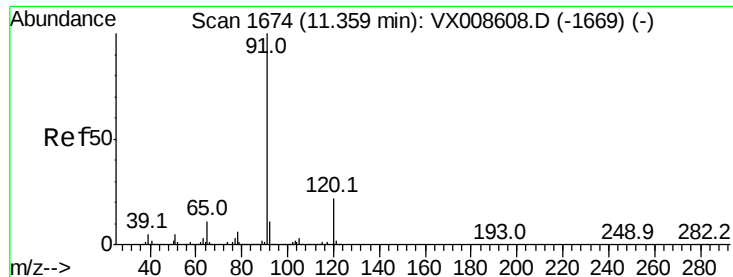
Ion Ratio Lower Upper

156 100

77 184.7 89.8 269.6

158 97.7 48.6 145.9





#78

n-propylbenzene

Concen: 0.965 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008612.D

Acq: 03 Apr 2019 12:16

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

Tot Ion: 91 Resp: 11378

Ion Ratio Lower Upper

91 100

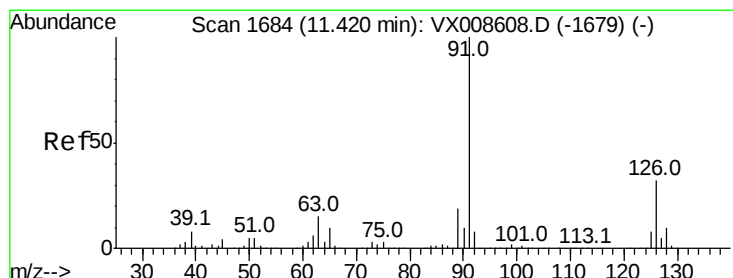
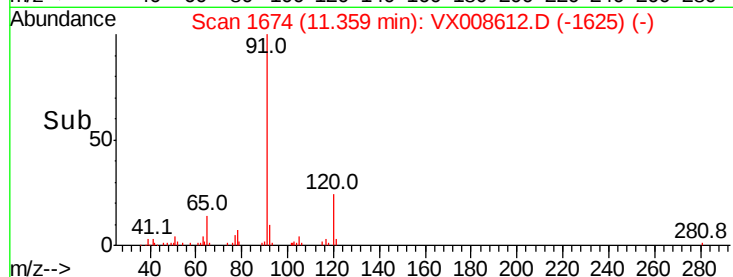
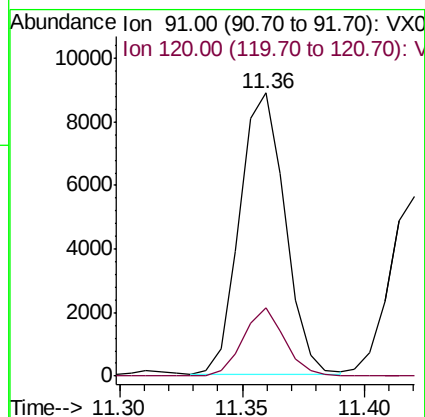
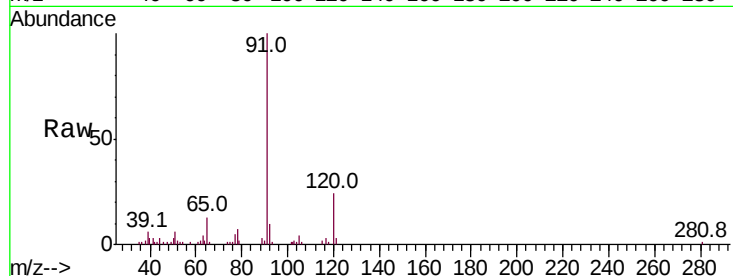
120 22.3 10.9 32.7

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#79

2-Chlorotoluene

Concen: 1.073 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008612.D

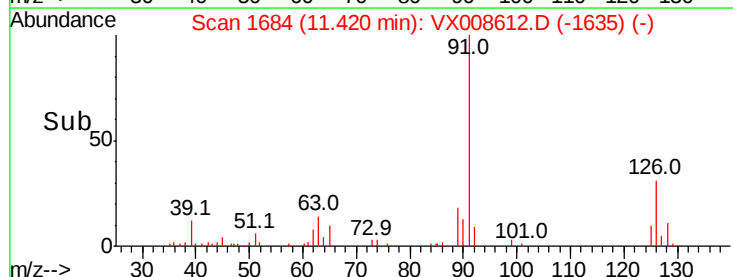
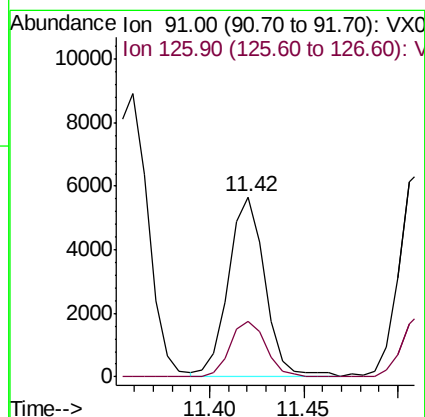
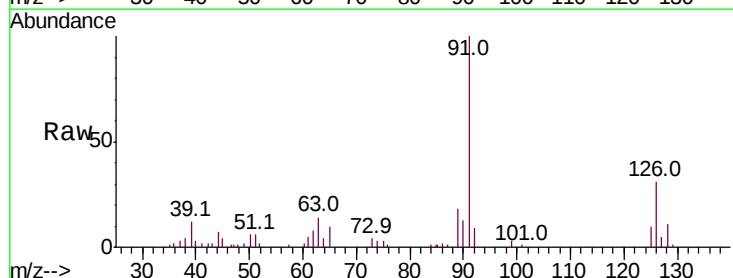
Acq: 03 Apr 2019 12:16

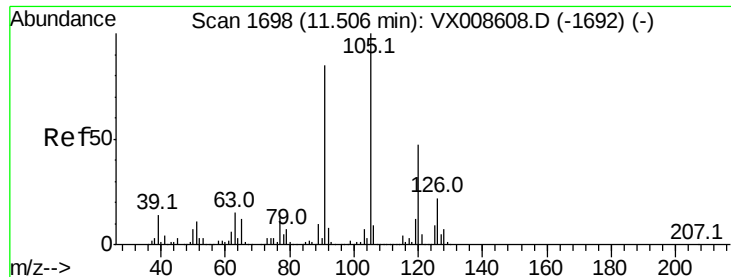
Tgt Ion: 91 Resp: 7655

Ion Ratio Lower Upper

91 100

126 30.0 16.1 48.3





#80

1,3,5-Trimethylbenzene

Concen: 0.955 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008612.D

Acq: 03 Apr 2019 12:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 8117

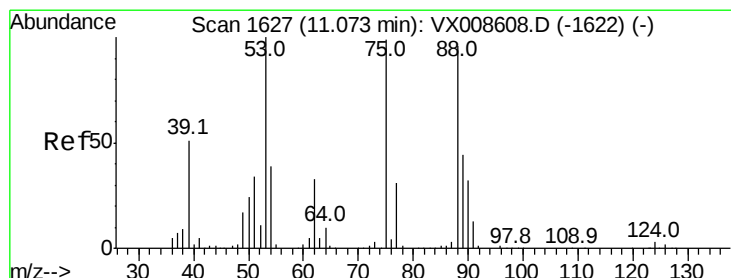
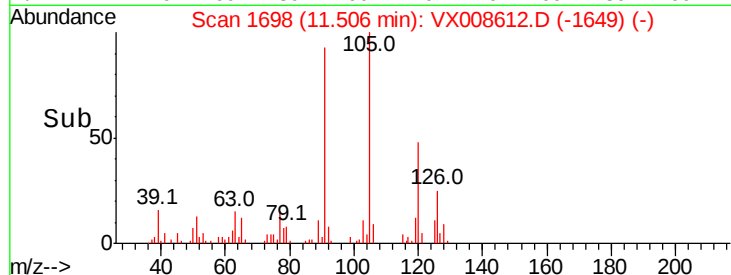
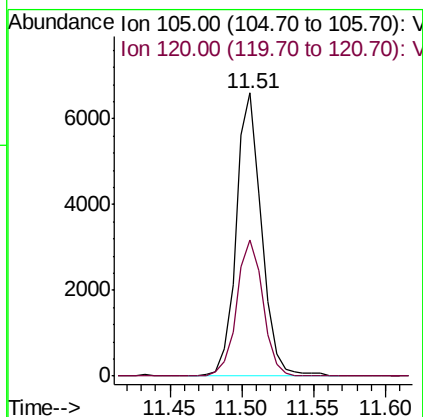
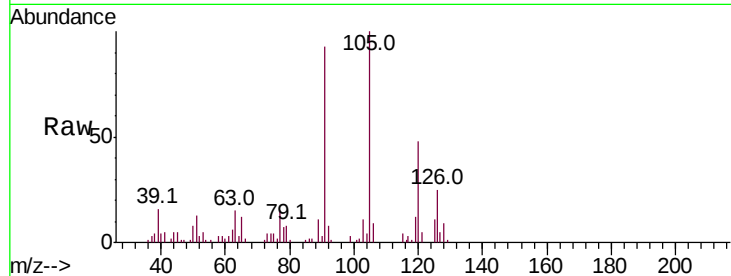
Ion Ratio Lower Upper

105 100

120 49.3 23.5 70.6

Manual Integrations
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#81

trans-1,4-Dichloro-2-butene

Concen: 0.837 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008612.D

Acq: 03 Apr 2019 12:16

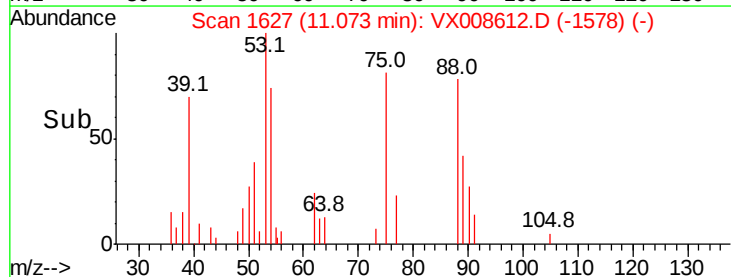
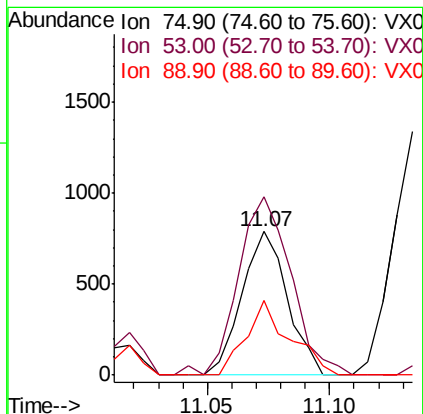
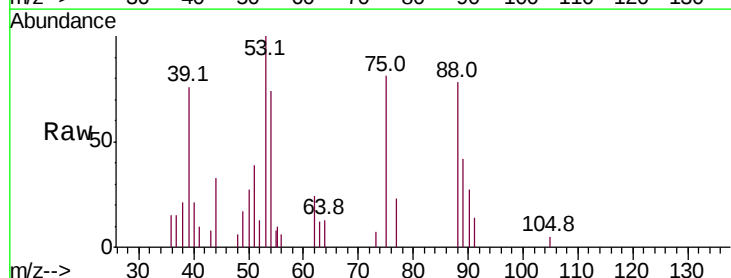
Tgt Ion: 75 Resp: 1019

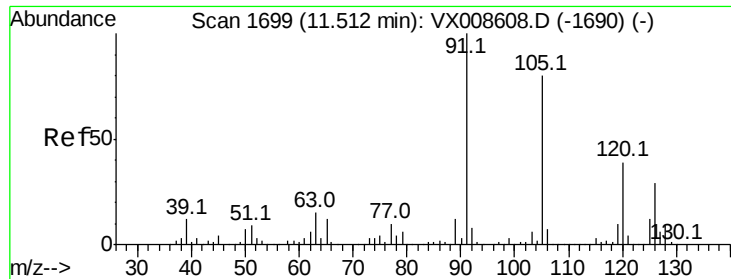
Ion Ratio Lower Upper

75 100

53 144.2 81.3 121.9#

89 50.0 35.6 53.4





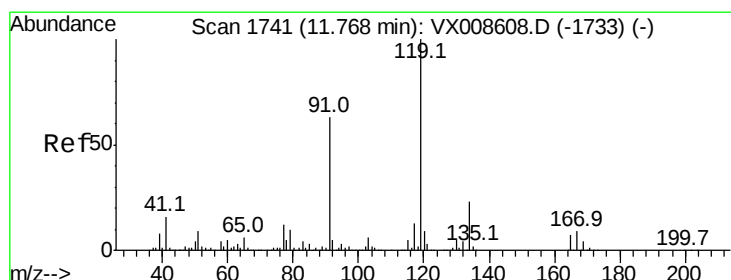
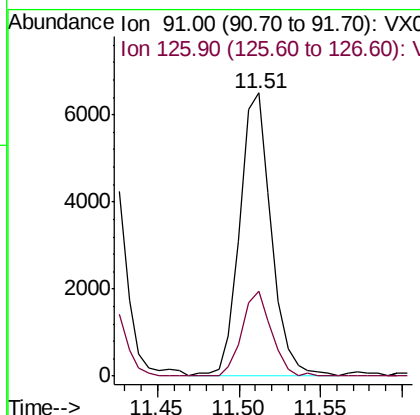
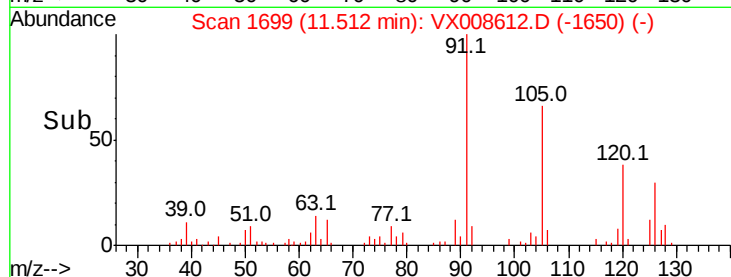
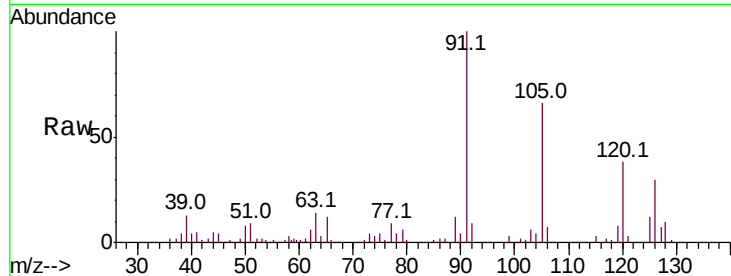
#82
4-Chlorotoluene
Concen: 1.067 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX008612.D
Acq: 03 Apr 2019 12:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
126	27.7	13.9	41.6

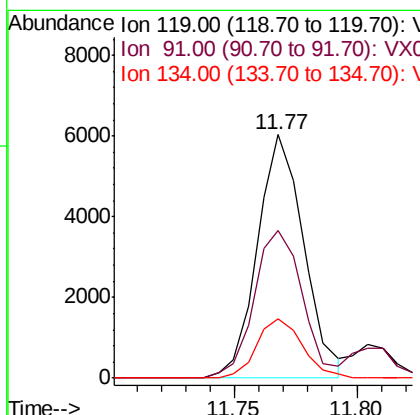
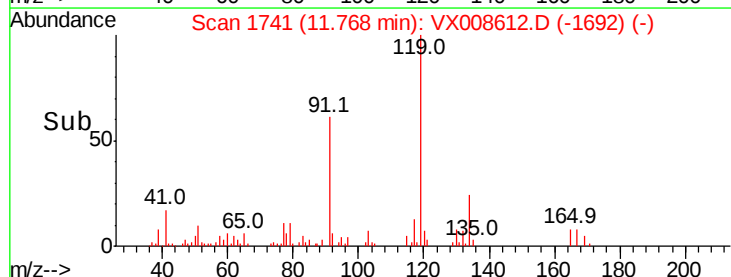
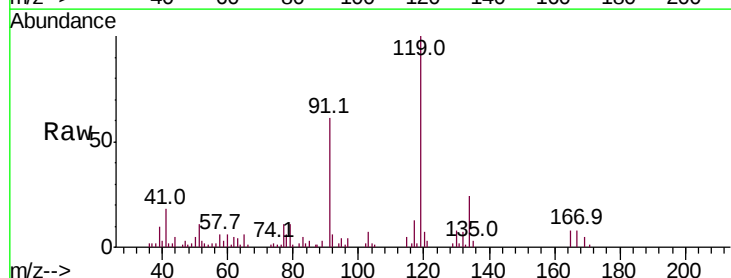
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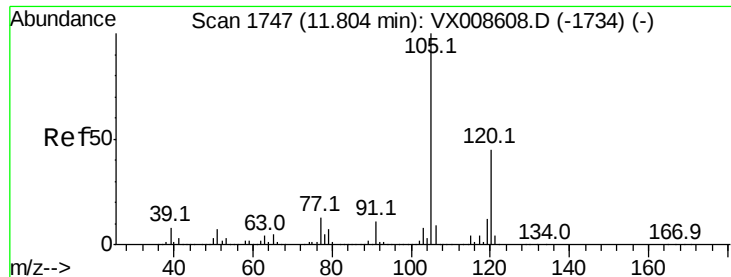
MMDadoda
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#83
tert-Butylbenzene
Concen: 0.973 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX008612.D
Acq: 03 Apr 2019 12:16

Tgt Ion	Ratio	Lower	Upper
119	100		
91	63.3	30.0	90.1
134	24.1	11.1	33.3





#84

1,2,4-Trimethylbenzene

Concen: 0.965 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX008612.D

Acq: 03 Apr 2019 12:16

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

Tot Ion:105 Resp: 8306

Ion Ratio Lower Upper

105 100

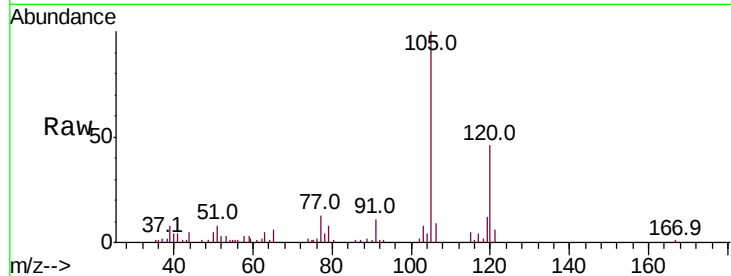
120 46.9 21.8 65.3

Manual Integrations

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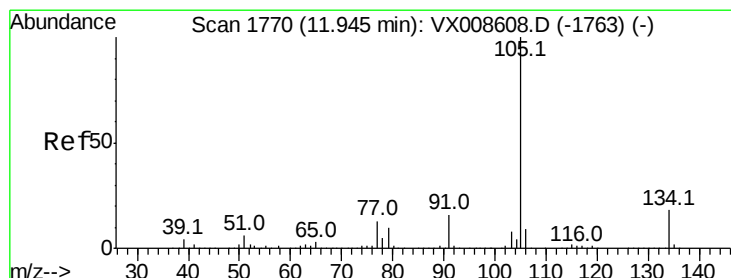
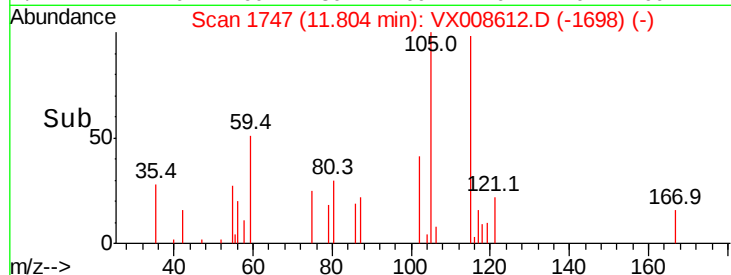
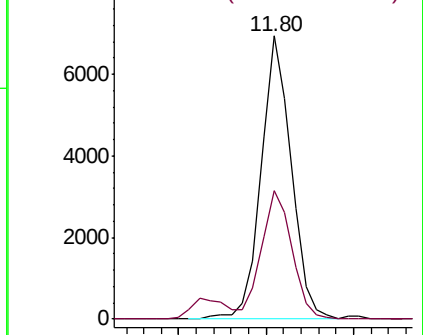
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 0.958 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008612.D

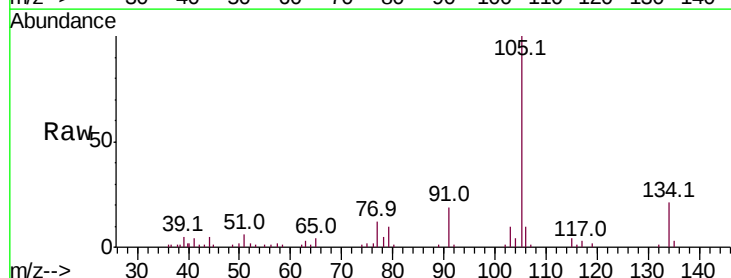
Acq: 03 Apr 2019 12:16

Tgt Ion:105 Resp: 9304

Ion Ratio Lower Upper

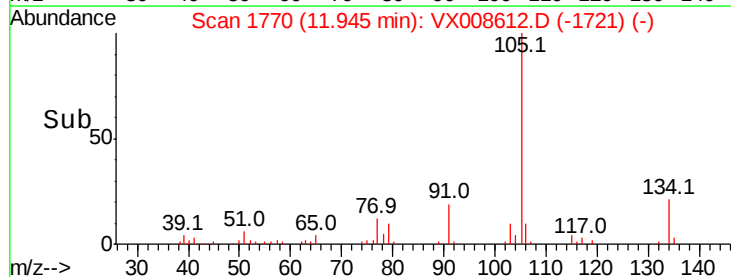
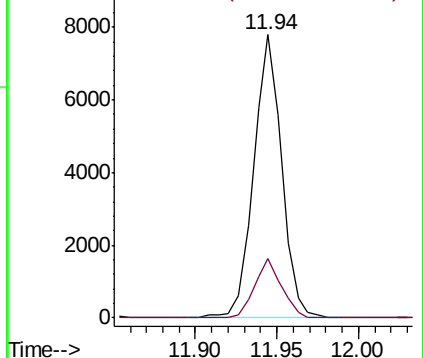
105 100

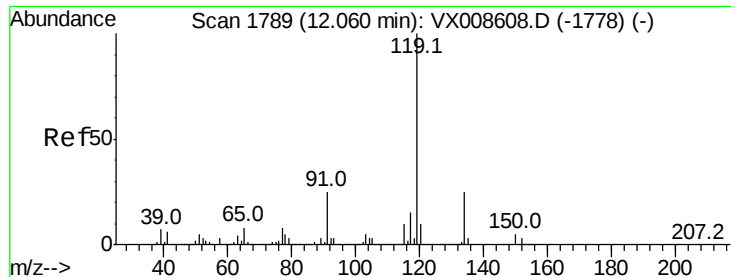
134 20.2 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





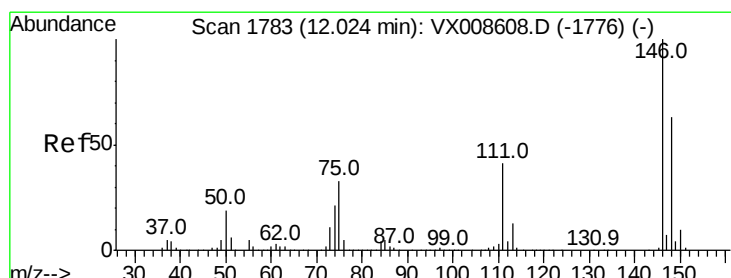
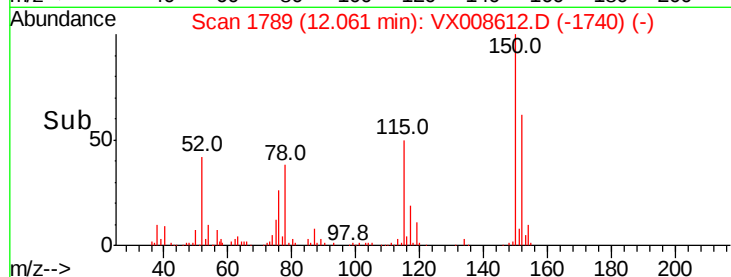
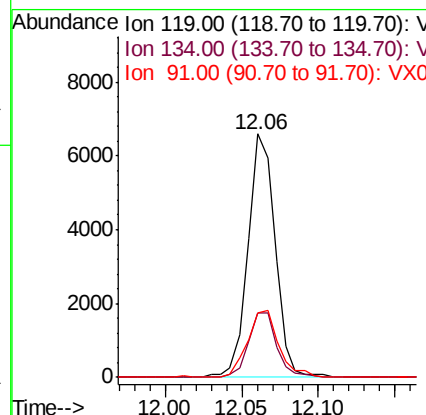
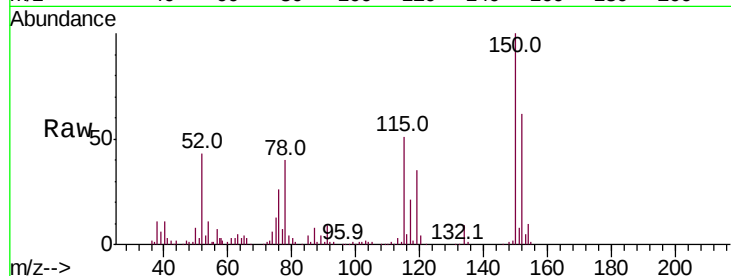
#86
p-Isopropyltoluene
Concen: 0.934 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX008612.D
Acq: 03 Apr 2019 12:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
119	100	8145		
134	27.6	12.8	38.4	
91	31.4	12.2	36.6	

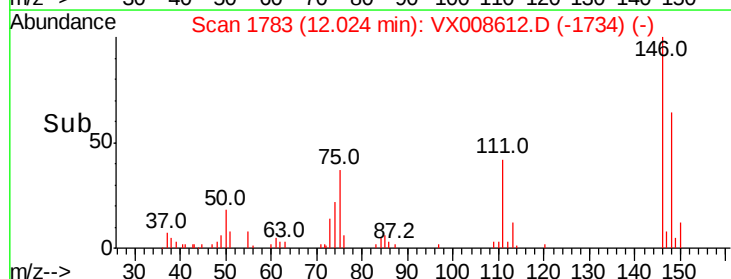
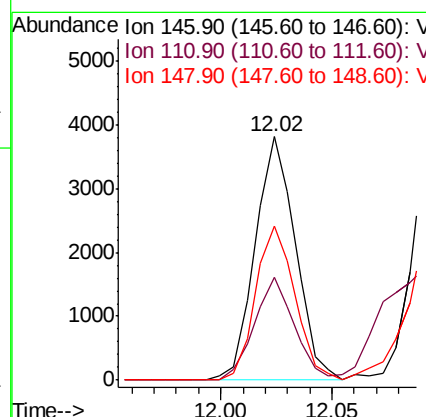
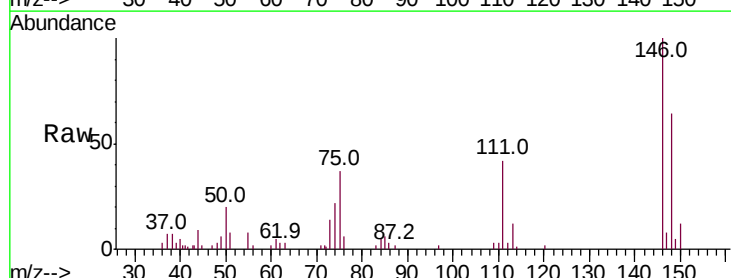
Manual Integrations
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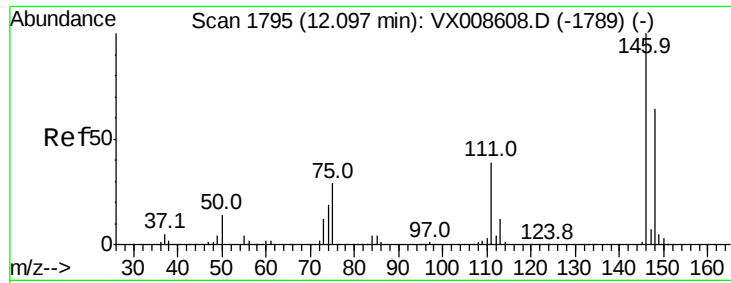
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#87
1,3-Dichlorobenzene
Concen: 1.106 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VX008612.D
Acq: 03 Apr 2019 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	4818		
111	41.7	20.5	61.5	
148	61.8	31.6	94.7	





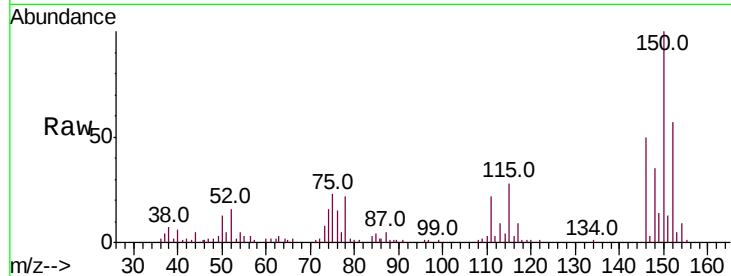
#88
 1,4-Dichlorobenzene
 Concen: 1.159 ug/l m
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008612.D
 Acq: 03 Apr 2019 12:16

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.2	60.6
148	58.2	32.0	96.0

Manual Integrations
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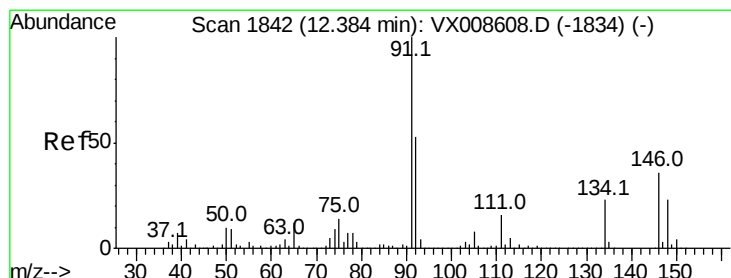
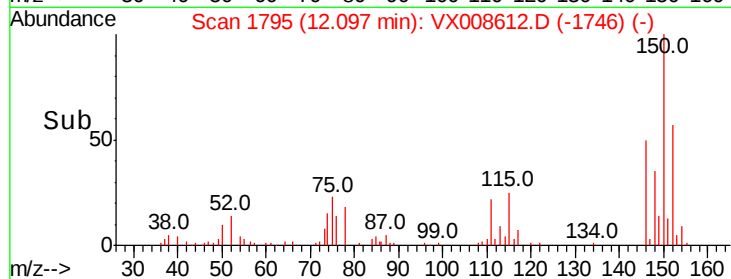
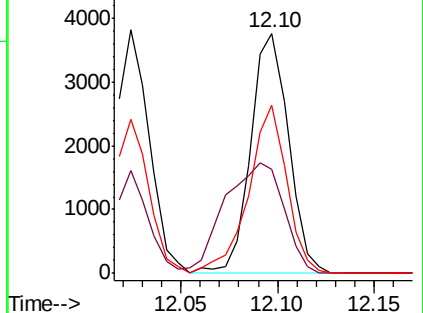


Abundance

Ion 145.90 (145.60 to 146.60): V

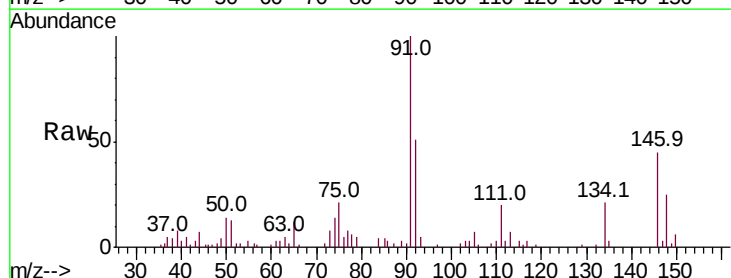
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89
 n-Butylbenzene
 Concen: 0.918 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: VX008612.D
 Acq: 03 Apr 2019 12:16

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.4	79.2
134	23.1	12.0	36.0

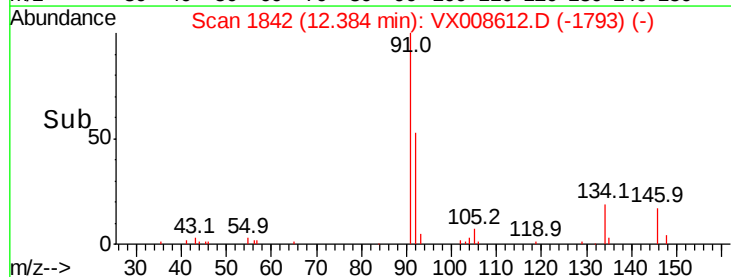
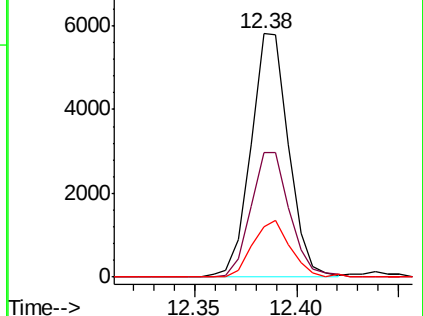


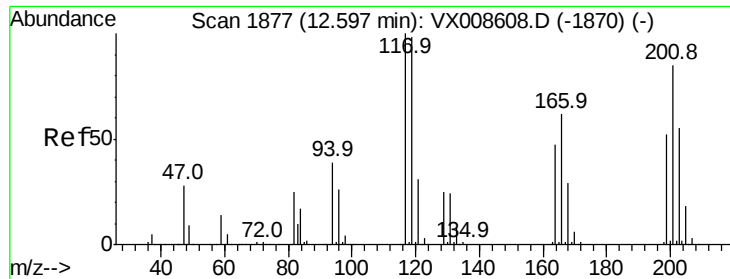
Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





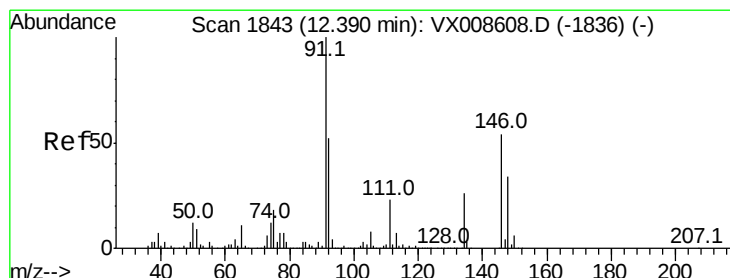
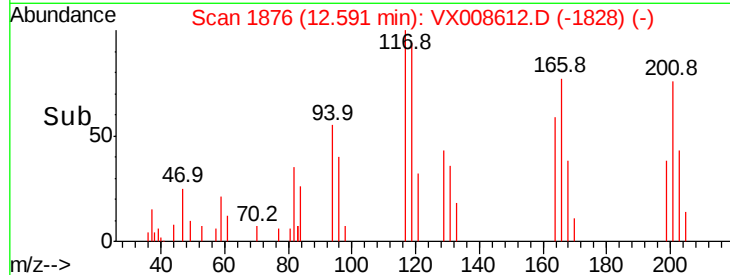
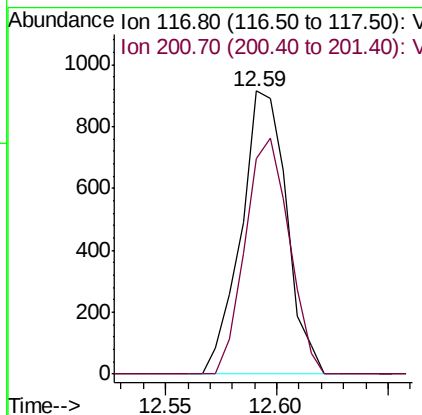
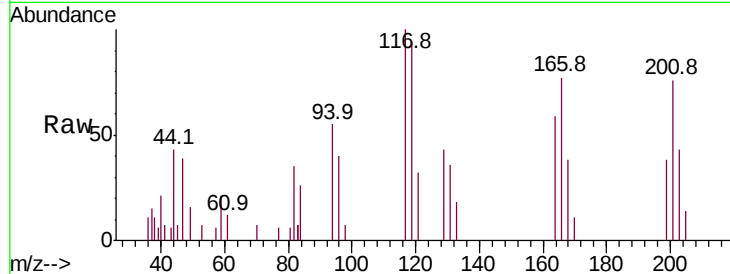
#90
Hexachloroethane
Concen: 0.905 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX008612.D
Acq: 03 Apr 2019 12:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:117 Resp: 1308
Ion Ratio Lower Upper
117 100
201 80.4 40.6 122.0

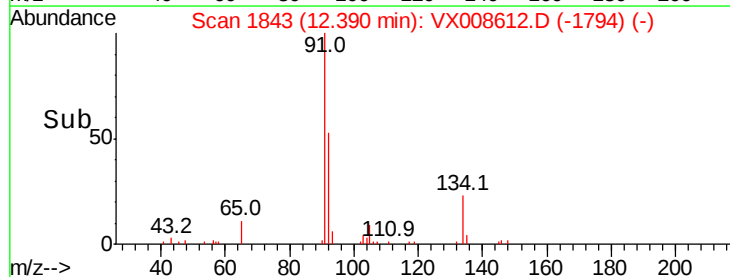
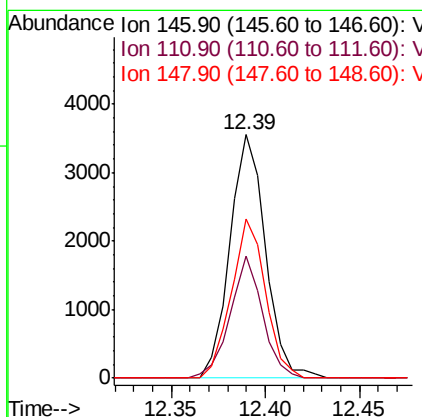
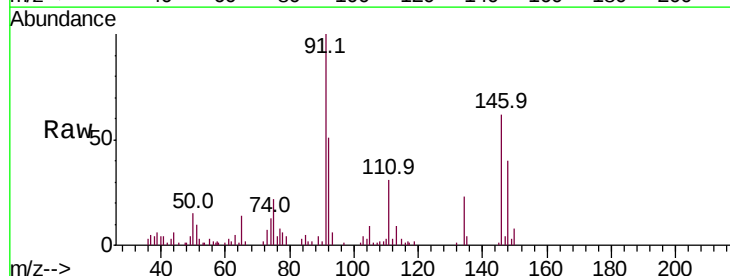
Manual Integrations
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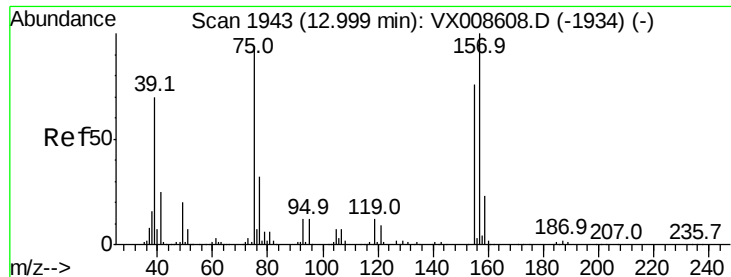
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#91
1,2-Dichlorobenzene
Concen: 1.073 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX008612.D
Acq: 03 Apr 2019 12:16

Tgt Ion:146 Resp: 4643
Ion Ratio Lower Upper
146 100
111 45.7 21.3 63.9
148 62.7 31.7 95.1





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.019 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX008612.D

Acq: 03 Apr 2019 12:16

Instrument :

MSVOA_X

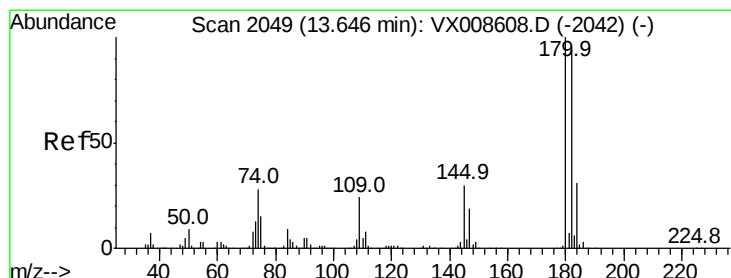
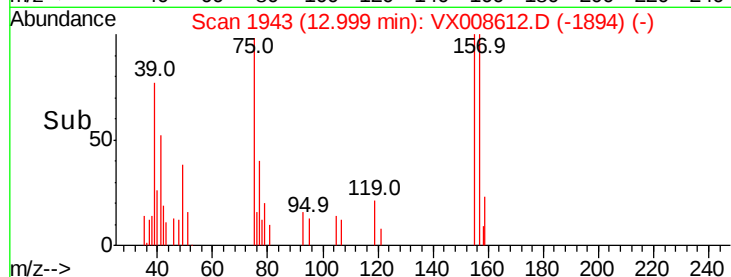
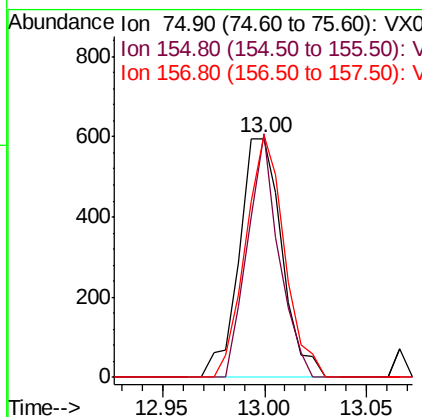
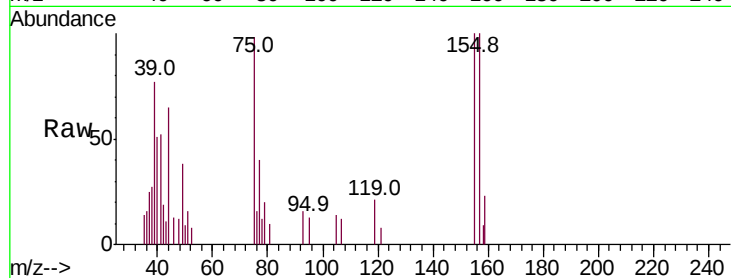
ClientSampled :

VSTDIC001

Tot Ion:	75	Resp:	863
Ion Ratio	Lower	Upper	
75	100		
155	74.9	39.9	119.6
157	92.6	51.5	154.7

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#93

1,2,4-Trichlorobenzene

Concen: 1.102 ug/l

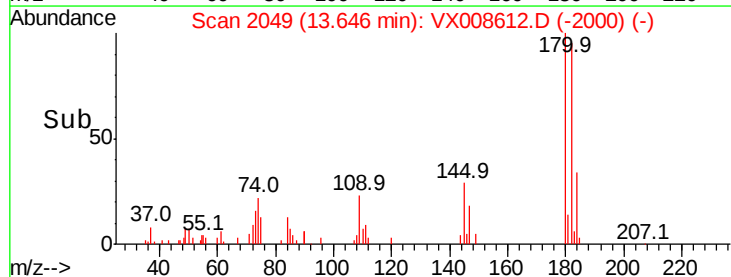
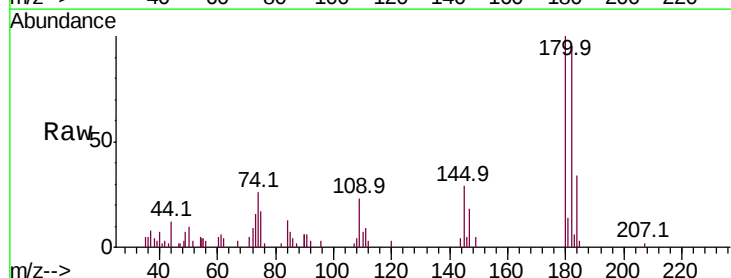
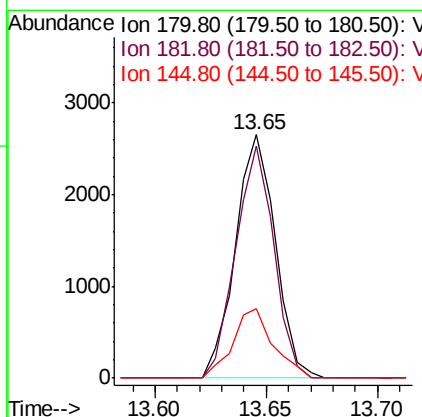
RT: 13.65 min Scan# 2049

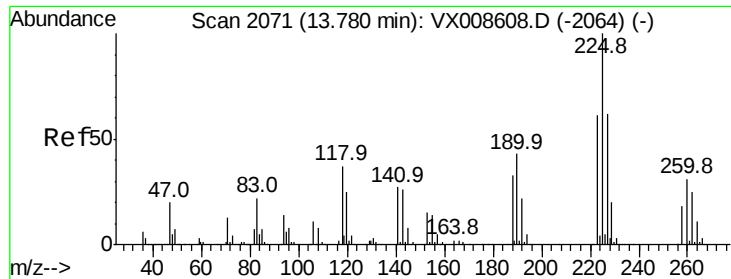
Delta R.T. 0.00 min

Lab File: VX008612.D

Acq: 03 Apr 2019 12:16

Tgt Ion:	180	Resp:	3316
Ion Ratio	Lower	Upper	
180	100		
182	90.7	47.2	141.6
145	28.7	15.3	45.9





#94

Hexachlorobutadiene

Concen: 0.971 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX008612.D

Acq: 03 Apr 2019 12:16

Instrument :

MSVOA_X

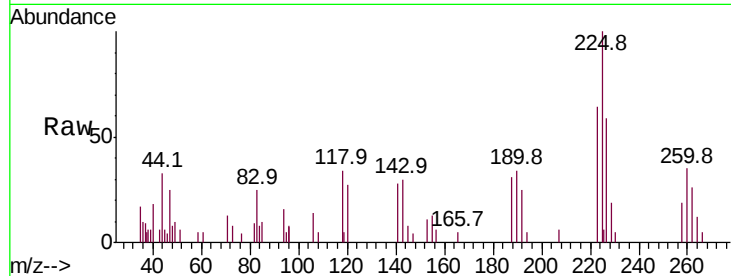
ClientSampleId :

VSTDIC001

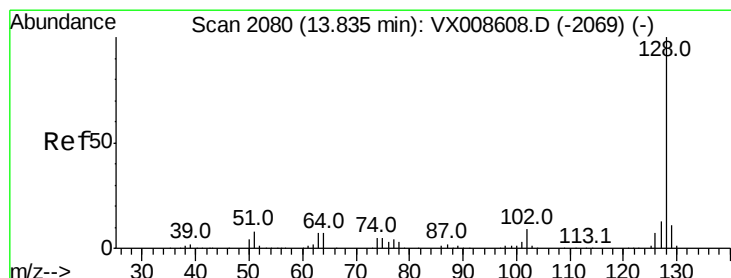
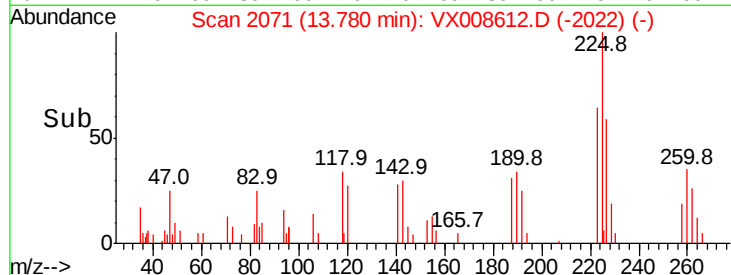
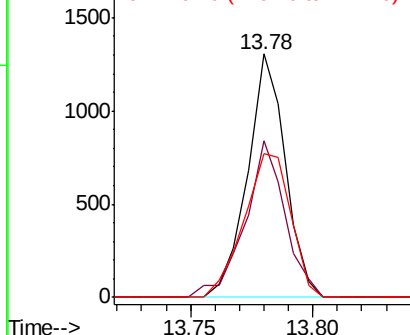
Tot Ion:	225	Resp:	1401
Ion Ratio	Lower	Upper	
225	100		
223	67.9	31.2	93.6
227	72.9	31.9	95.5

Manual Integrations
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Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 1.035 ug/l

RT: 13.83 min Scan# 2080

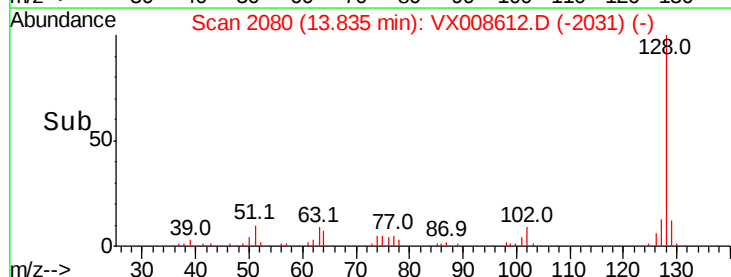
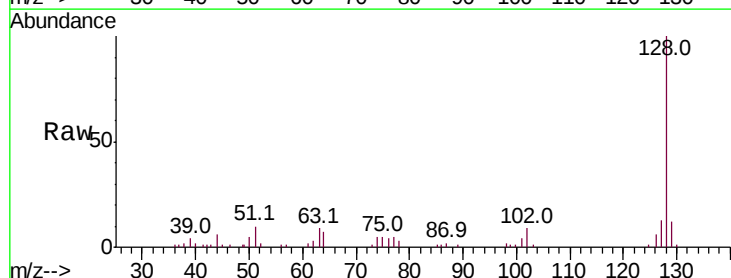
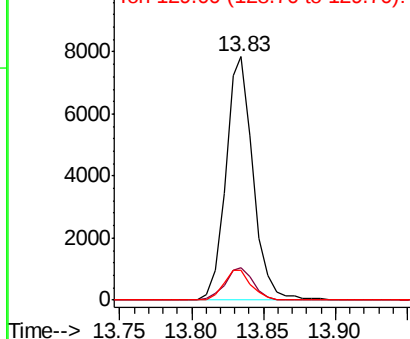
Delta R.T. 0.00 min

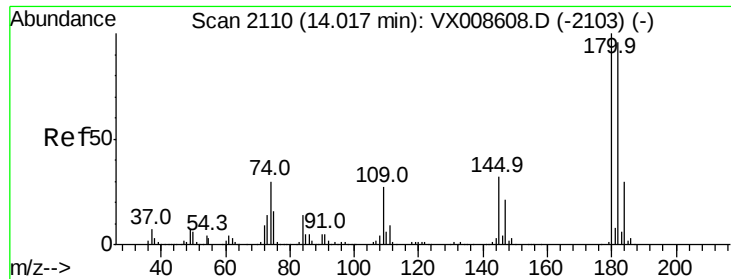
Lab File: VX008612.D

Acq: 03 Apr 2019 12:16

Tgt Ion:	128	Resp:	10404
Ion Ratio	Lower	Upper	
128	100		
127	13.9	10.4	15.6
129	12.4	8.6	13.0

Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





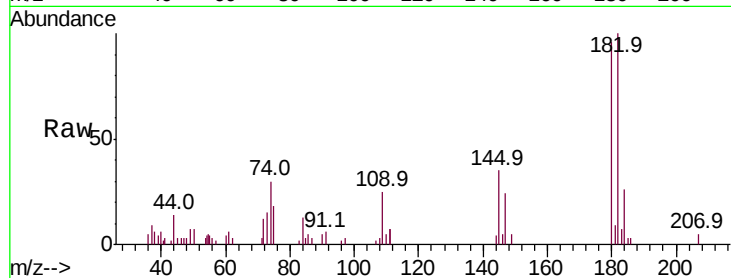
#96
 1,2,3-Trichlorobenzene
 Concen: 1.090 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX008612.D
 Acq: 03 Apr 2019 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.8	48.1	144.3
145	34.1	16.3	48.8

Manual Integrations
 APPROVED

MMDadoda
 4/4/2019 3:38:41 PM



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

