

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091518\
 Data File : VX004590.D
 Acq On : 15 Sep 2018 17:47
 Operator : JC/MD
 Sample : VX0915WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0915WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/17/2018 6:27:27 PM

Quant Time: Sep 17 08:43:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	240477	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	316208	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	300723	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	180455	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	145568	46.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.90%	
35) Dibromofluoromethane	5.51	113	140611	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
50) Toluene-d8	8.71	98	484767	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
62) 4-Bromofluorobenzene	11.14	95	173830	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.20	85	45755	20.30	ug/l	96
3) Chloromethane	1.32	50	60579	19.53	ug/l	98
4) Vinyl Chloride	1.40	62	62092	19.50	ug/l	100
5) Bromomethane	1.64	94	25575	18.44	ug/l	97
6) Chloroethane	1.72	64	42323	20.56	ug/l	93
7) Trichlorofluoromethane	1.93	101	83886	19.88	ug/l	99
8) Diethyl Ether	2.19	74	38087	20.13	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	52033	19.44	ug/l	96
10) Methyl Iodide	2.51	142	31047	13.13	ug/l	99
11) Tert butyl alcohol	3.07	59	73037	98.71	ug/l	99
12) 1,1-Dichloroethene	2.37	96	51613	20.54	ug/l	88
13) Acrolein	2.29	56	53939	184.68	ug/l	99
14) Allyl chloride	2.73	41	99916	19.34	ug/l	95
15) Acrylonitrile	3.15	53	178761	100.33	ug/l	100
16) Acetone	2.45	43	140370	92.75	ug/l	98
17) Carbon Disulfide	2.56	76	142342	19.60	ug/l	99
18) Methyl Acetate	2.78	43	84996	20.02	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	177825	20.17	ug/l	100
20) Methylene Chloride	2.86	84	61413	19.78	ug/l	86
21) trans-1,2-Dichloroethene	3.17	96	54947	19.79	ug/l	98
22) Diisopropyl ether	3.87	45	184182	19.80	ug/l	98
23) Vinyl Acetate	3.82	43	754906	100.26	ug/l	95
24) 1,1-Dichloroethane	3.70	63	101502	19.32	ug/l	99
25) 2-Butanone	4.70	43	220229	91.44	ug/l	91
26) 2,2-Dichloropropane	4.58	77	66012	18.30	ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	62911	20.30	ug/l	99
28) Bromochloromethane	5.02	49	52848	22.00	ug/l	97
29) Tetrahydrofuran	5.16	42	140010	96.39	ug/l	99
30) Chloroform	5.21	83	108370	21.13	ug/l	92
31) Cyclohexane	5.58	56	93494	20.84	ug/l	# 82
32) 1,1,1-Trichloroethane	5.49	97	84258	20.40	ug/l	99
36) 1,1-Dichloropropene	5.80	75	76480	19.92	ug/l	99
37) Ethyl Acetate	4.85	43	82551	18.91	ug/l	99
38) Carbon Tetrachloride	5.78	117	72012	19.21	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	79410	19.82	ug/l	96
40) Benzene	6.15	78	220257	19.34	ug/l	97
41) Methacrylonitrile	5.07	41	46429	19.30	ug/l	99
42) 1,2-Dichloroethane	6.20	62	72442	19.18	ug/l	97
43) Isopropyl Acetate	6.46	43	110855	19.12	ug/l	99
44) Trichloroethene	7.21	130	58061	19.62	ug/l	95
45) 1,2-Dichloropropane	7.52	63	56344	20.56	ug/l	99
46) Dibromomethane	7.66	93	34773	20.08	ug/l	98
47) Bromodichloromethane	7.90	83	65921	20.13	ug/l	99
48) Methyl methacrylate	7.78	41	57222	19.94	ug/l	97
49) 1,4-Dioxane	7.76	88	27238	400.99	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	379665	92.77	ug/l	98
52) Toluene	8.79	92	133496	19.89	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	69725	18.23	ug/l	97
54) cis-1,3-Dichloropropene	8.44	75	79294	20.34	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	54511	18.86	ug/l	97
56) Ethyl methacrylate	9.18	69	76231	18.65	ug/l	98
57) 1,3-Dichloropropane	9.37	76	89697	19.10	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	194547	97.97	ug/l	96
59) 2-Hexanone	9.50	43	286687	91.33	ug/l	98
60) Dibromochloromethane	9.59	129	52728	19.38	ug/l	100
61) 1,2-Dibromoethane	9.67	107	55728	20.19	ug/l	100
64) Tetrachloroethene	9.34	164	67189	17.90	ug/l	98
65) Chlorobenzene	10.14	112	148877	19.93	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.23	131	51705	20.07	ug/l	99
67) Ethyl Benzene	10.26	91	247502	20.38	ug/l	99
68) m/p-Xylenes	10.36	106	193059	41.26	ug/l	97
69) o-Xylene	10.70	106	93419	20.77	ug/l	100
70) Styrene	10.71	104	155426	20.86	ug/l	99
71) Bromoform	10.86	173	40774	19.28	ug/l #	100
73) Isopropylbenzene	11.02	105	251793	21.19	ug/l	100
74) N-amyl acetate	10.90	43	99024	19.80	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	78738	20.54	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	72338m	19.92	ug/l	
77) Bromobenzene	11.26	156	67803	20.64	ug/l	99
78) n-propylbenzene	11.36	91	285851	20.92	ug/l	100
79) 2-Chlorotoluene	11.42	91	170914	20.62	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	210694	21.09	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	19898	17.47	ug/l	97
82) 4-Chlorotoluene	11.51	91	199671	20.64	ug/l	100
83) tert-Butylbenzene	11.77	119	201251	21.16	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	217234	21.30	ug/l	100
85) sec-Butylbenzene	11.94	105	254173	20.97	ug/l	99
86) p-Isopropyltoluene	12.07	119	224643	20.99	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	123516	20.15	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	124437	19.65	ug/l	98
89) n-Butylbenzene	12.39	91	189521	19.43	ug/l	97
90) Hexachloroethane	12.60	117	32935	19.22	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	124348	20.05	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	16472	20.12	ug/l	98

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ALS Vial : 15 Sample Multiplier: 1

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ClientSampleId :
VX0915WBSD01

Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	88790	20.21	ug/l	98
94) Hexachlorobutadiene	13.79	225	46327	20.19	ug/l	98
95) Naphthalene	13.83	128	258746	21.00	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	91972	20.38	ug/l	99

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

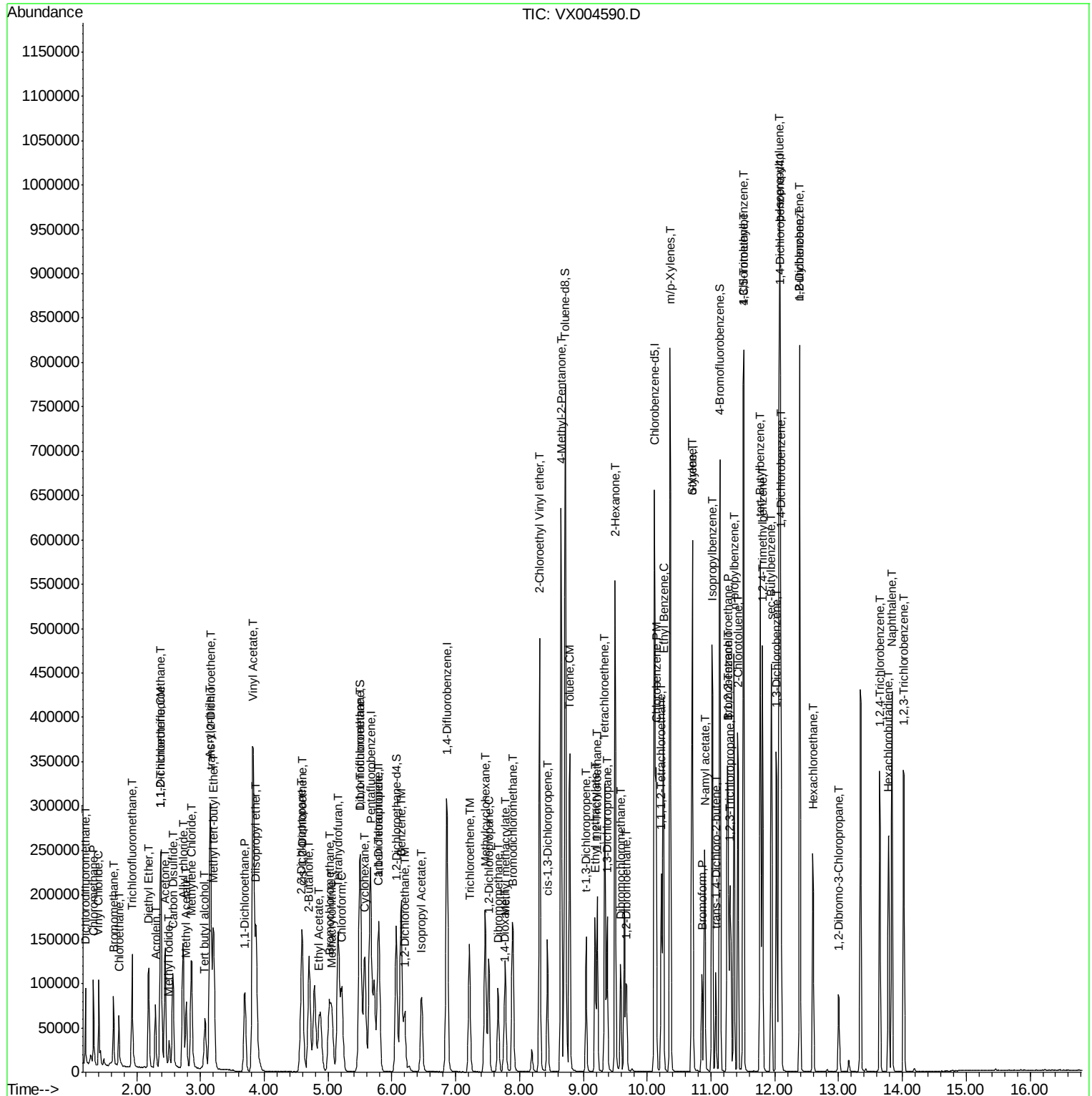
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Data File : VX004590.D
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Sample : VX0915WBSD01
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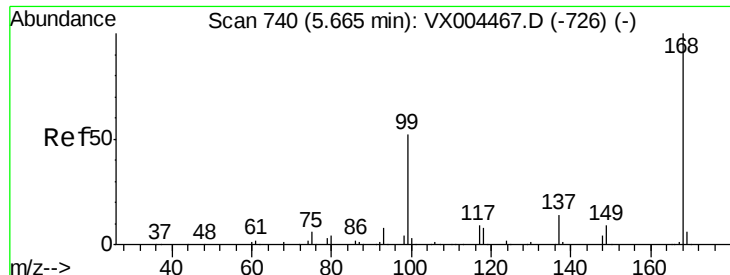
Instrument :
MSVOA_X
ClientSampleId :
VX0915WBSD01

Manual Integrations
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9/17/2018 6:27:27 PM

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX004590.D

Acq: 15 Sep 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

VX0915WBSD01

Tot Ion:168 Resp: 240477

Ion Ratio Lower Upper

168 100

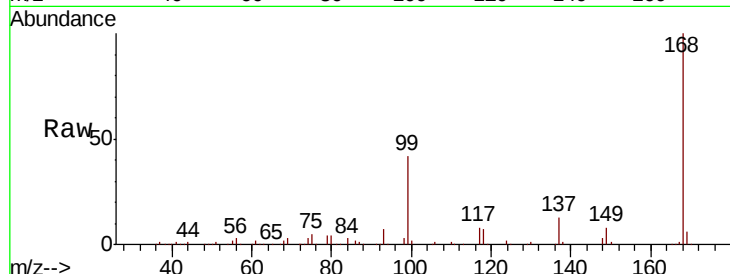
99 41.7 39.9 59.9

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

5.67

80000

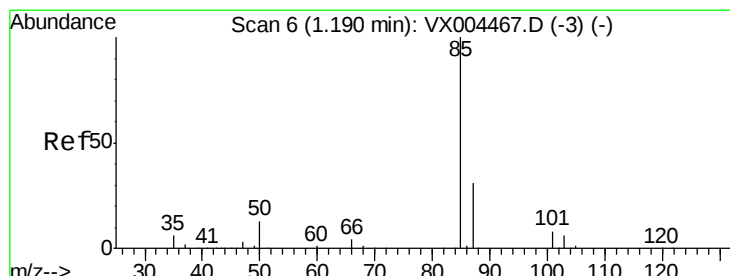
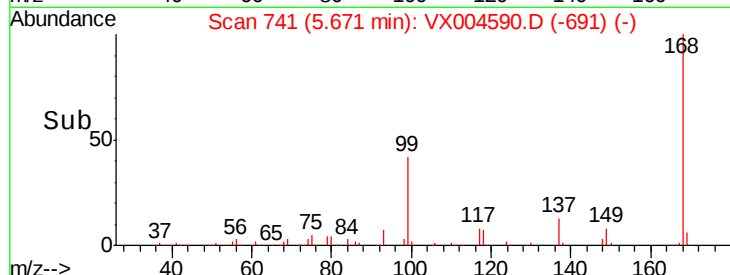
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 20.30 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX004590.D

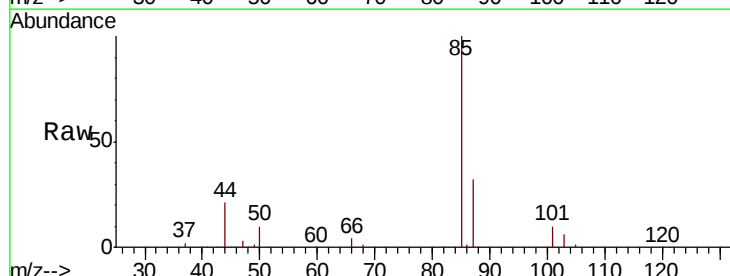
Acq: 15 Sep 2018 17:47

Tgt Ion: 85 Resp: 45755

Ion Ratio Lower Upper

85 100

87 31.6 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

50000

40000

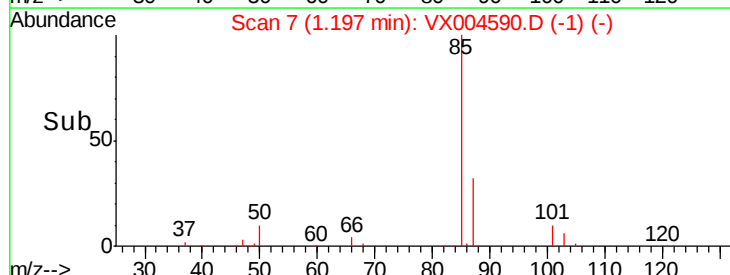
30000

20000

10000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 19.53 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004590.D

Acq: 15 Sep 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

VX0915WBSD01

Tot Ion: 50 Resp: 60579

Ion Ratio Lower Upper

50 100

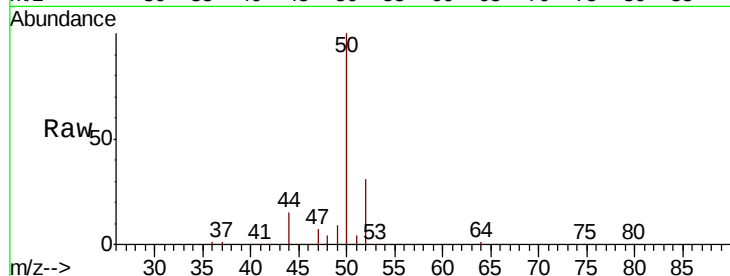
52 31.3 26.2 39.2

Manual Integrations

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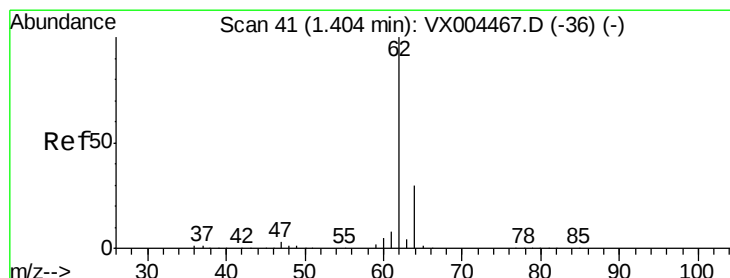
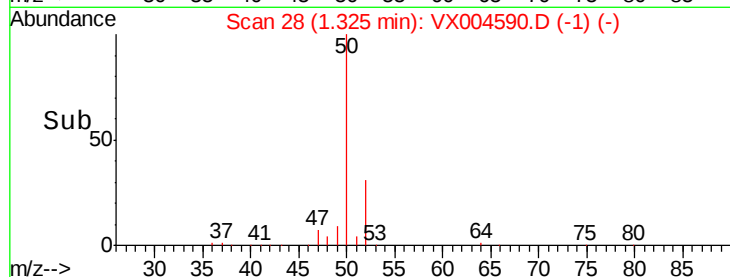
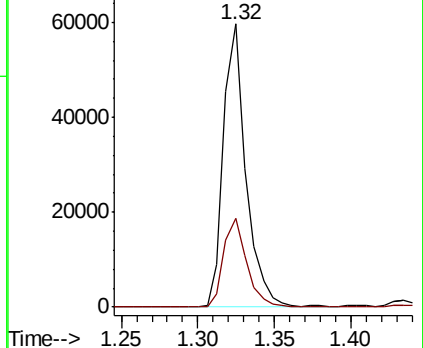
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.50 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004590.D

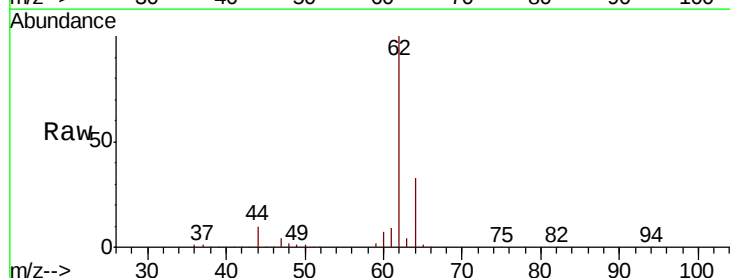
Acq: 15 Sep 2018 17:47

Tgt Ion: 62 Resp: 62092

Ion Ratio Lower Upper

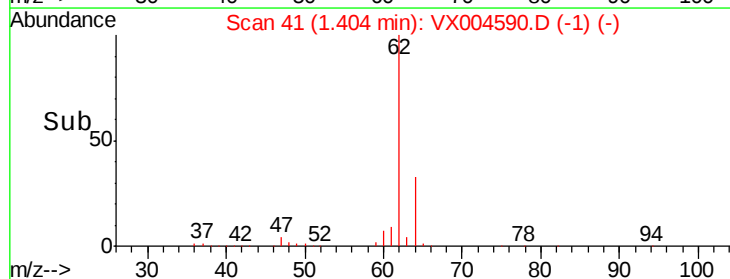
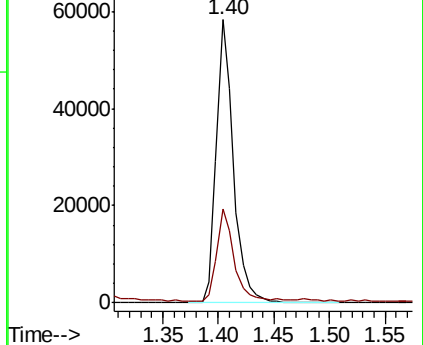
62 100

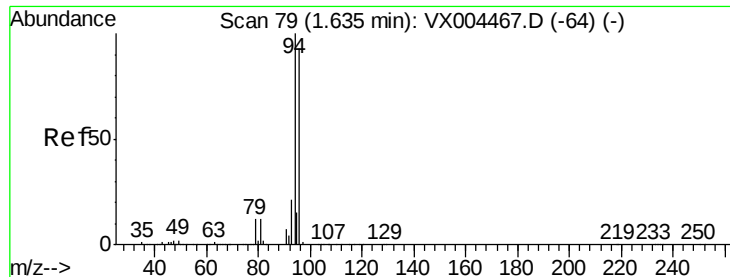
64 32.4 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 18.44 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004590.D

Acq: 15 Sep 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

VX0915WBSD01

Tot Ion: 94 Resp: 25575

Ion Ratio Lower Upper

94 100

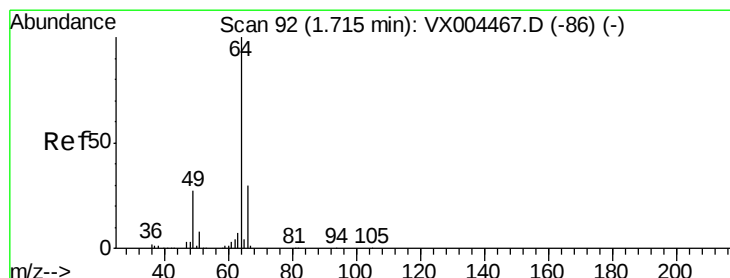
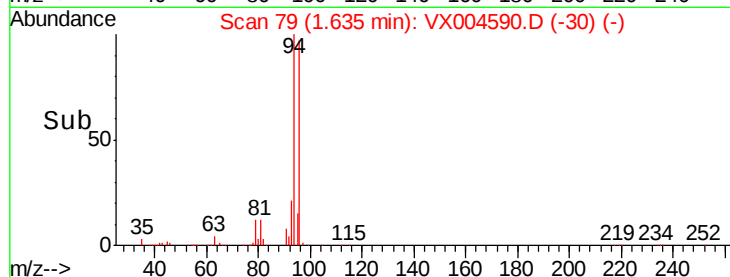
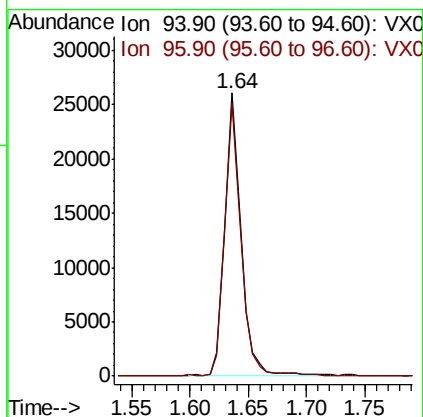
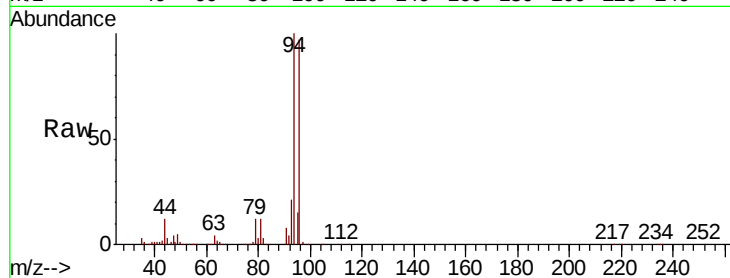
96 96.4 74.5 111.7

Manual Integrations

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#6

Chloroethane

Concen: 20.56 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004590.D

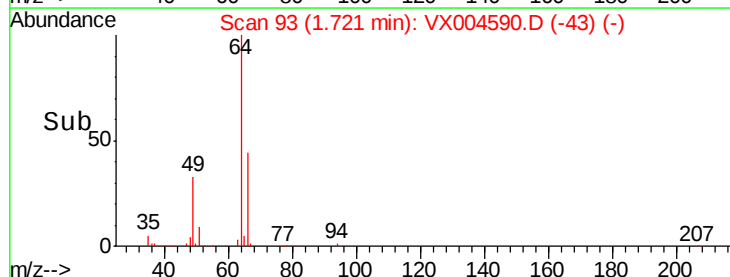
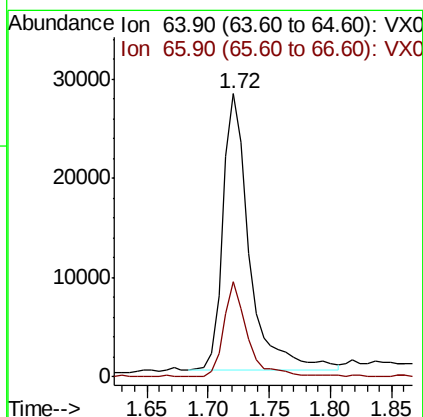
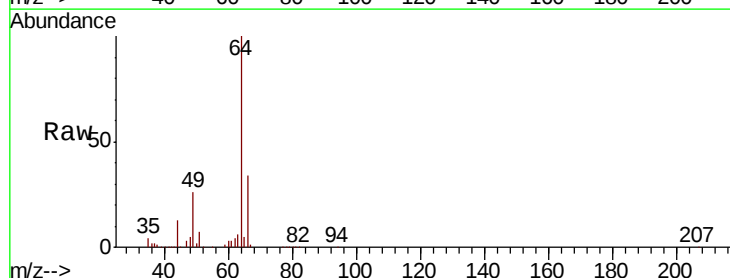
Acq: 15 Sep 2018 17:47

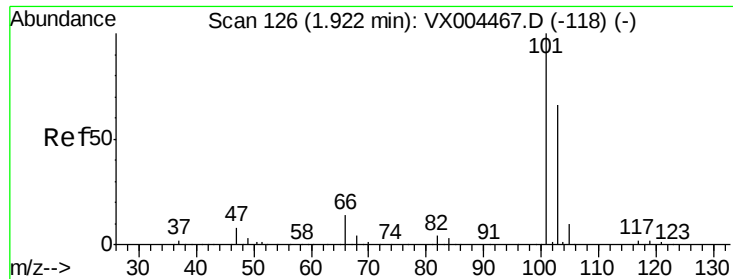
Tgt Ion: 64 Resp: 42323

Ion Ratio Lower Upper

64 100

66 34.3 24.6 36.8





#7

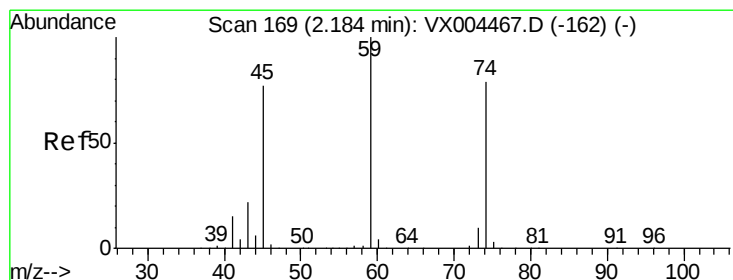
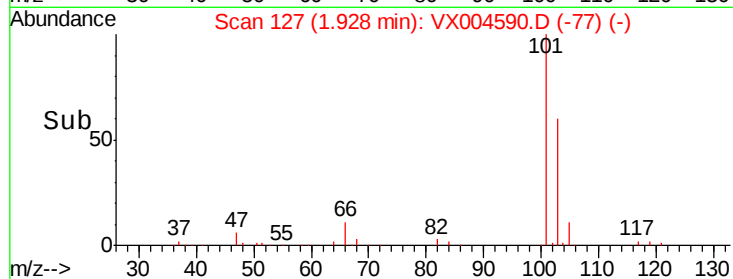
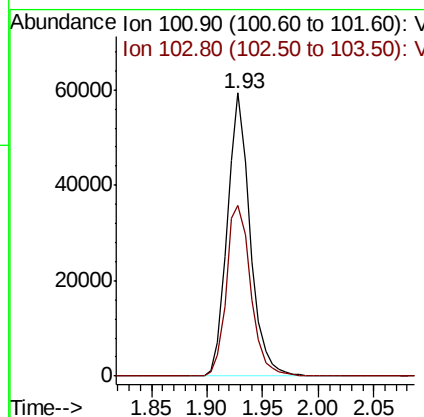
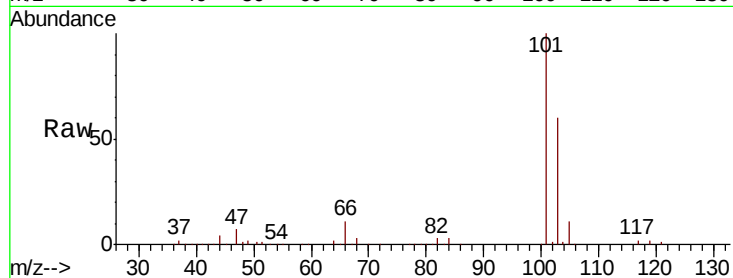
Trichlorofluoromethane
 Concen: 19.88 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX004590.D
 Acq: 15 Sep 2018 17:47

Instrument :
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 VX0915WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		83886		
103	60.4	48.9	73.3		

Manual Integrations
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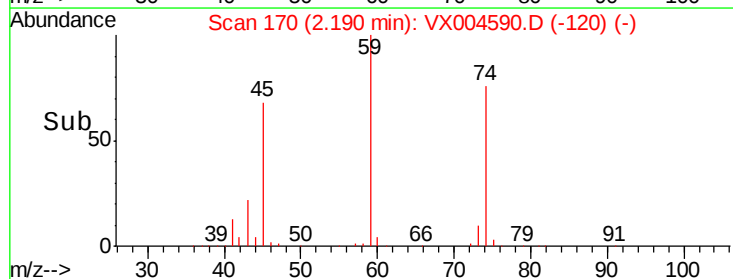
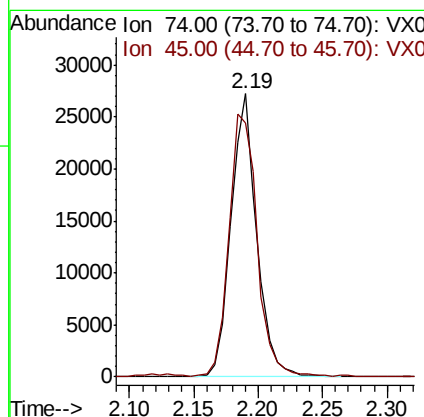
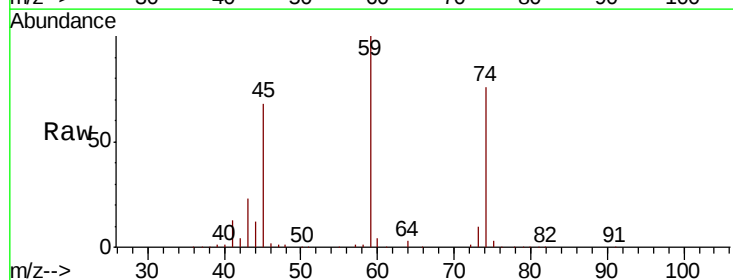
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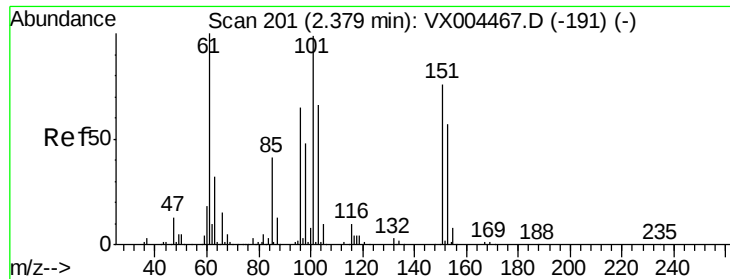


#8

Diethyl Ether
 Concen: 20.13 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX004590.D
 Acq: 15 Sep 2018 17:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		38087		
45	101.6	48.3	144.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.44 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX004590.D

Acq: 15 Sep 2018 17:47

Instrument :

MSVOA_X

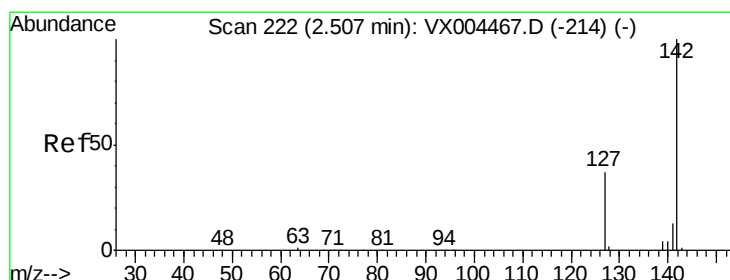
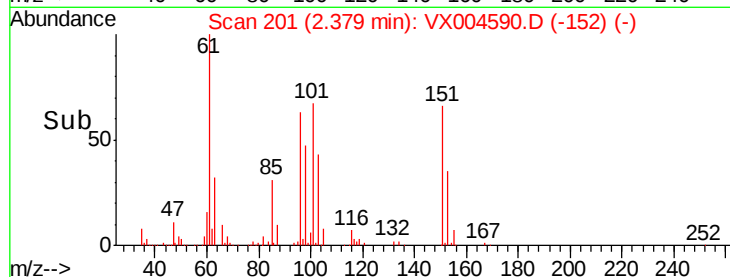
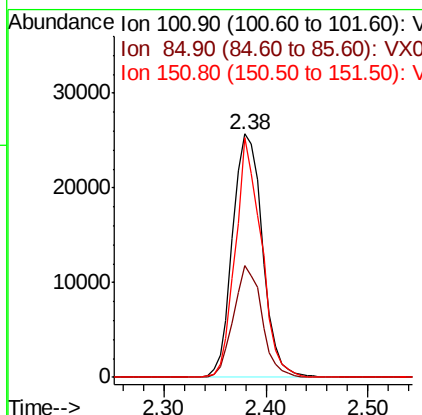
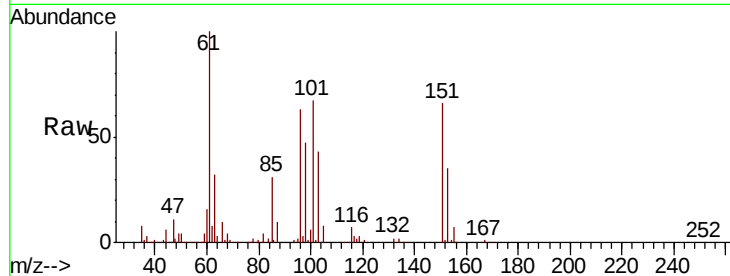
ClientSampleId :

VX0915WBSD01

Tot Ion:	101	Resp:	52033
Ion Ratio	Lower	Upper	
101	100		
85	43.4	34.2	51.4
151	85.7	65.0	97.6

Manual Integrations
APPROVED

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#10

Methyl Iodide

Concen: 13.13 ug/l

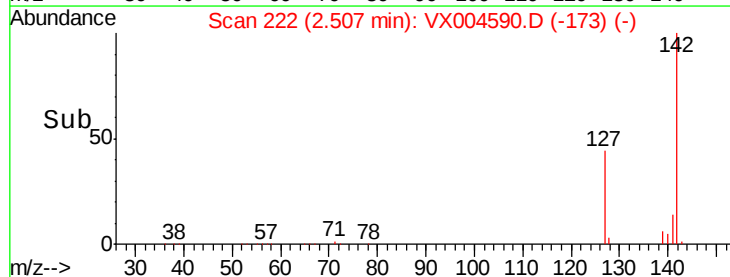
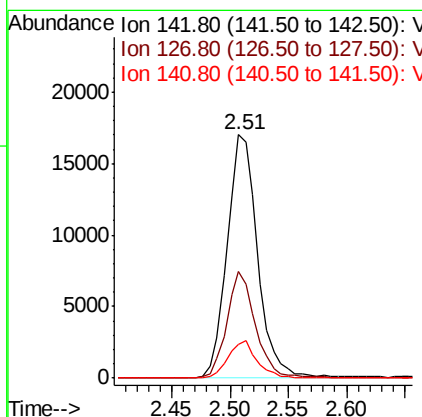
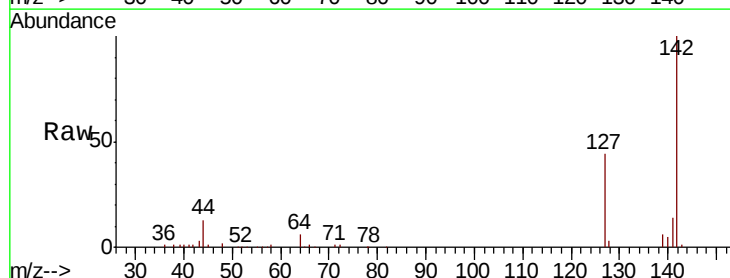
RT: 2.51 min Scan# 222

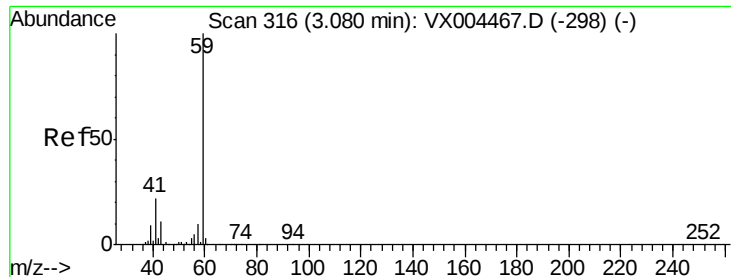
Delta R.T. 0.00 min

Lab File: VX004590.D

Acq: 15 Sep 2018 17:47

Tgt Ion:	142	Resp:	31047
Ion Ratio	Lower	Upper	
142	100		
127	41.1	33.8	50.6
141	14.5	11.4	17.0





#11

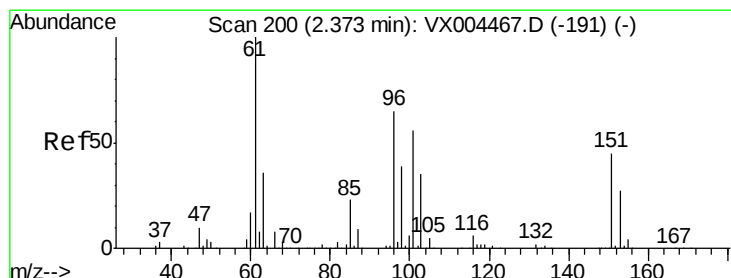
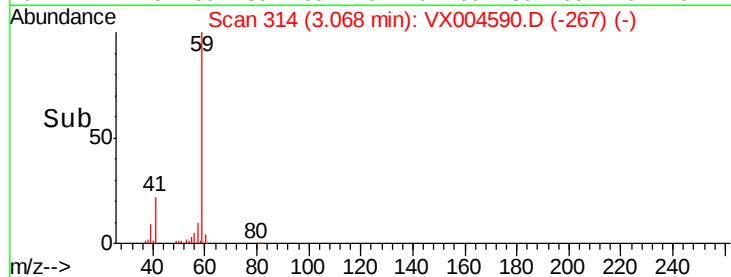
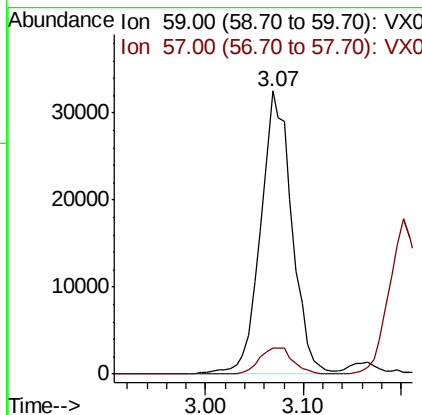
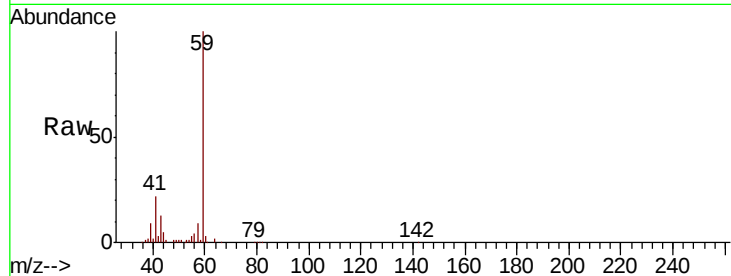
Tert butyl alcohol
Concen: 98.71 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX004590.D
Acq: 15 Sep 2018 17:47

Instrument :
MSVOA_X
ClientSampled :
VX0915WBSD01

Tot Ion	59	57	Ratio	100	10.1	Resp	73037	Lower	8.2	Upper	12.4
Manual Integrations											
APPROVED											
MMDadoda											
9/17/2018 6:27:27 PM											

Manual Integrations
APPROVED

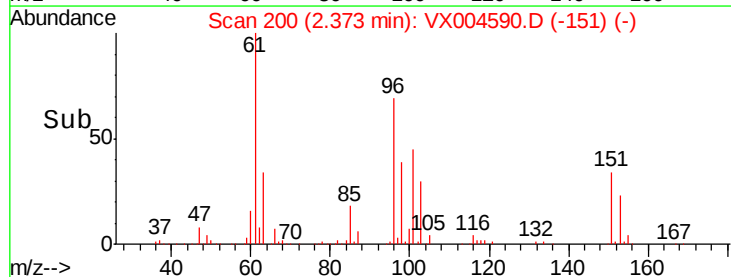
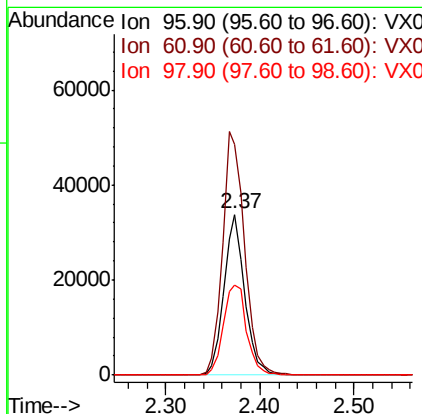
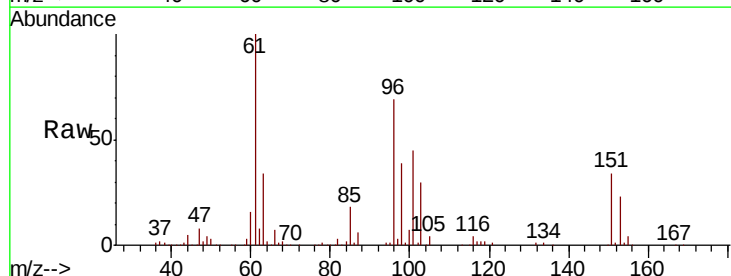
MMDadoda
9/17/2018 6:27:27 PM

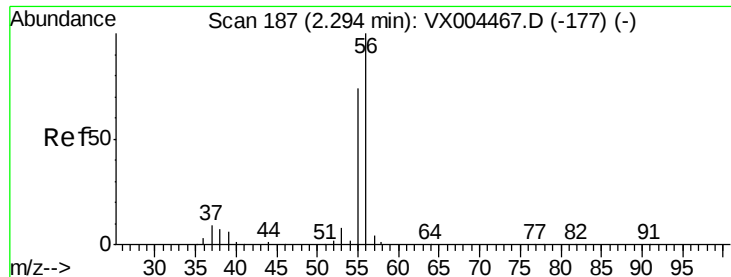


#12

1,1-Dichloroethene
Concen: 20.54 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX004590.D
Acq: 15 Sep 2018 17:47

Tgt Ion	96	61	98	Ratio	100	144.0	56.4	Resp	51613	Lower	128.8	52.2	Upper	193.2	78.2
Manual Integrations															
APPROVED															
MMDadoda															
9/17/2018 6:27:27 PM															





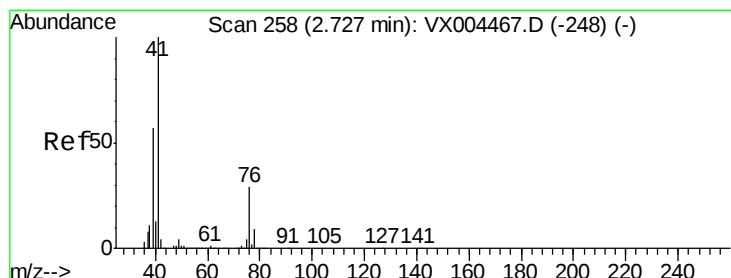
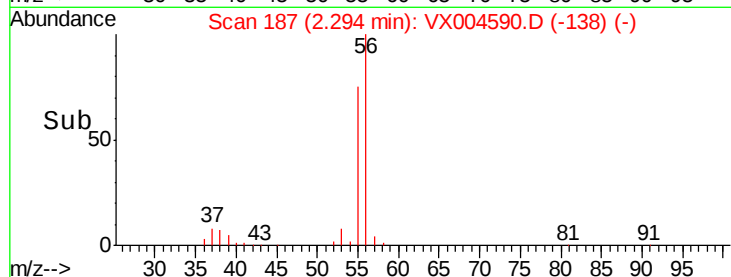
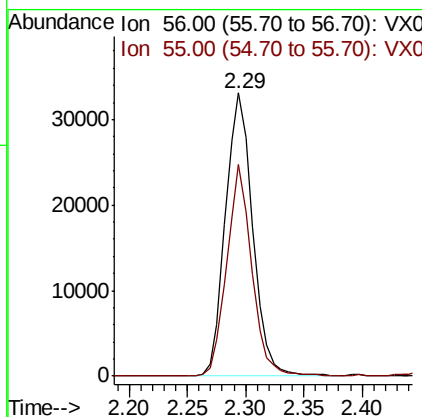
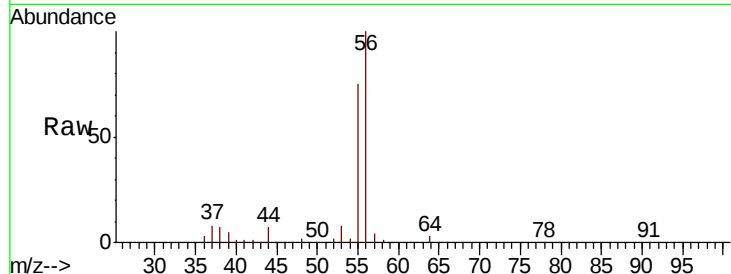
#13
Acrolein
Concen: 184.68 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX004590.D
Acq: 15 Sep 2018 17:47

Instrument :
MSVOA_X
ClientSampleId :
VX0915WBSD01

Tot Ion	56	55	Ratio	Lower	Upper
56	100				
55	69.0			54.7	82.1

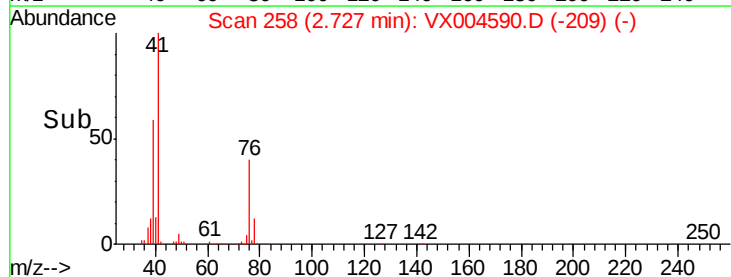
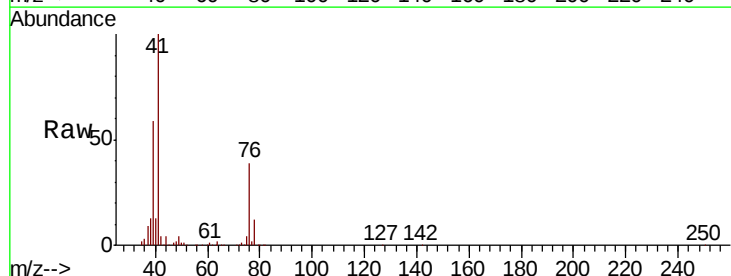
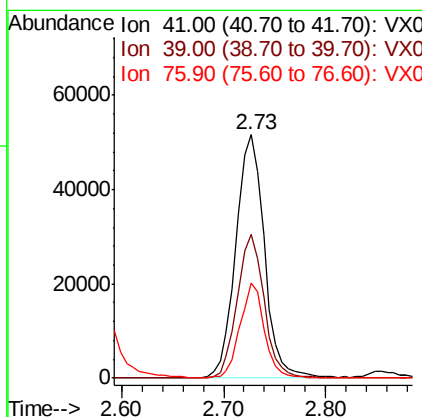
Manual Integrations
APPROVED

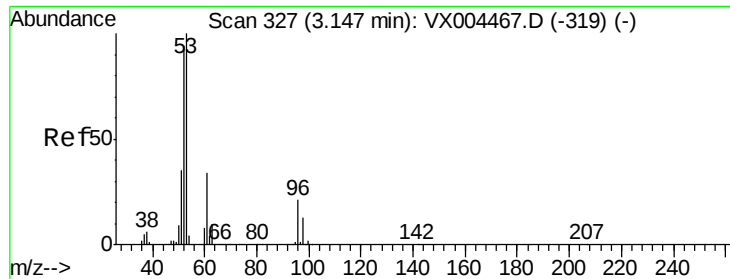
MMDadoda
9/17/2018 6:27:27 PM



#14
Allyl chloride
Concen: 19.34 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX004590.D
Acq: 15 Sep 2018 17:47

Tgt Ion	41	39	76	Ratio	Lower	Upper
41	100					
39	55.3				48.9	73.3
76	33.6				26.7	40.1





#15

Acrylonitrile

Concen: 100.33 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX004590.D

Acq: 15 Sep 2018 17:47

Instrument :

MSVOA_X

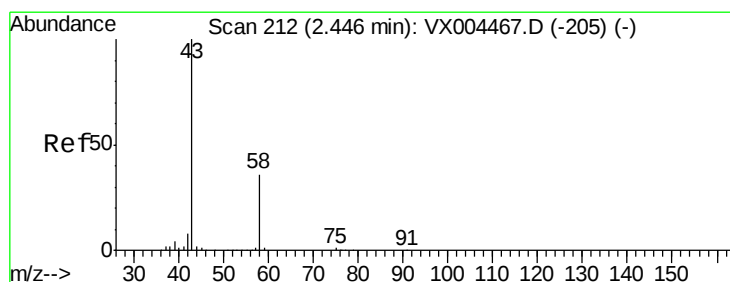
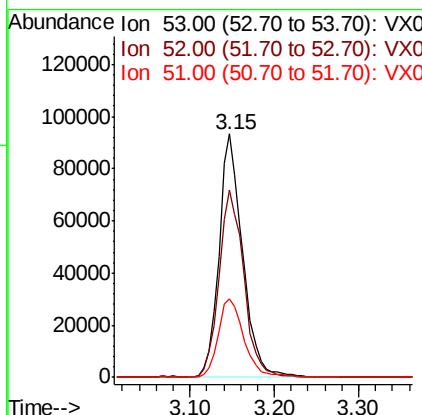
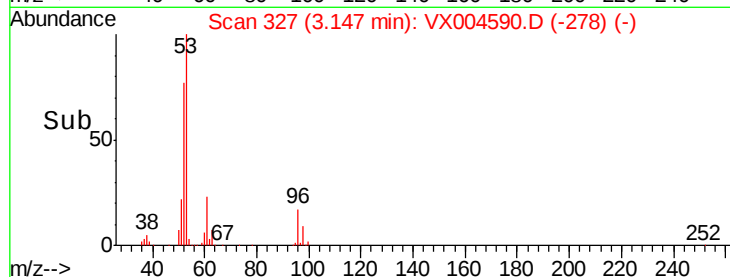
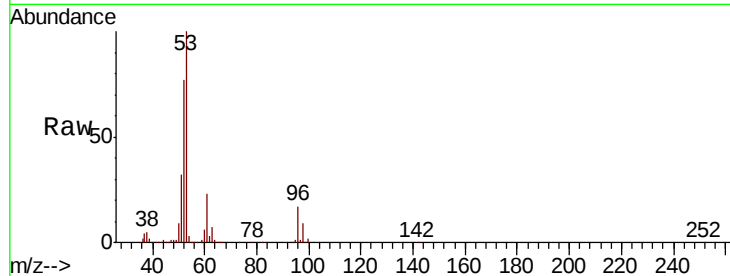
ClientSampleId :

VX0915WBSD01

Tot Ion:	53	Resp:	178761
Ion Ratio	Lower	Upper	
53	100		
52	81.5	65.2	97.8
51	35.3	28.2	42.2

Manual Integrations
APPROVED

MMDadoda
9/17/2018 6:27:27 PM



#16

Acetone

Concen: 92.75 ug/l

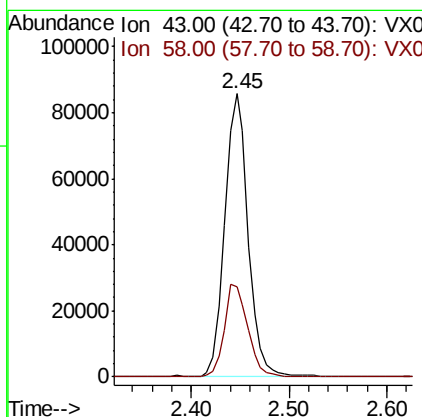
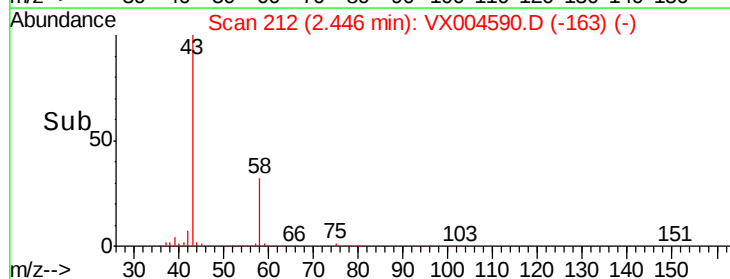
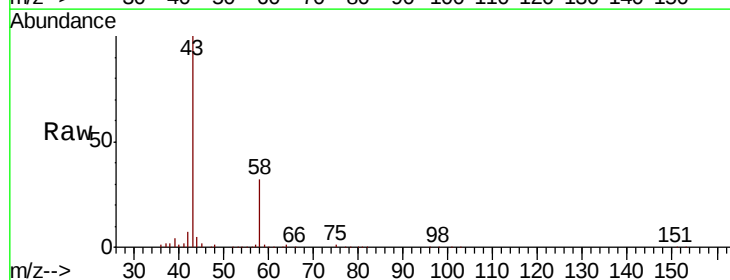
RT: 2.45 min Scan# 212

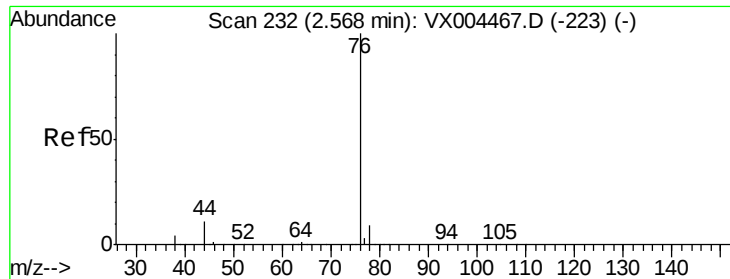
Delta R.T. 0.00 min

Lab File: VX004590.D

Acq: 15 Sep 2018 17:47

Tgt Ion:	43	Resp:	140370
Ion Ratio	Lower	Upper	
43	100		
58	31.8	26.2	39.4





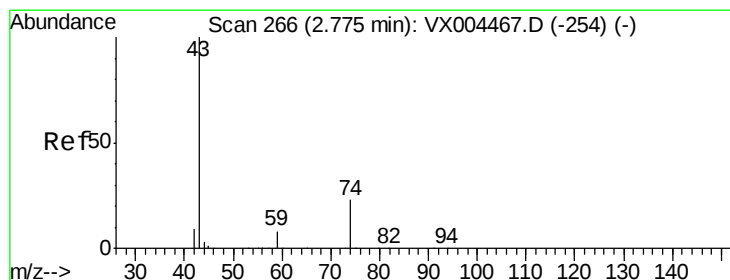
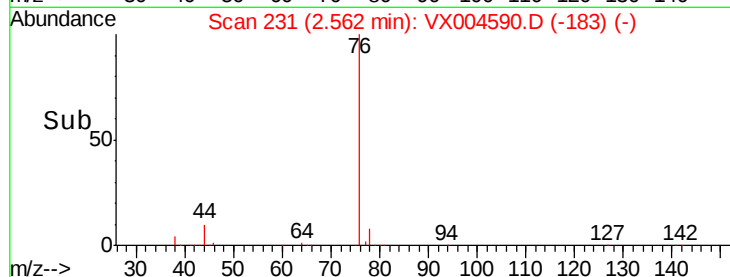
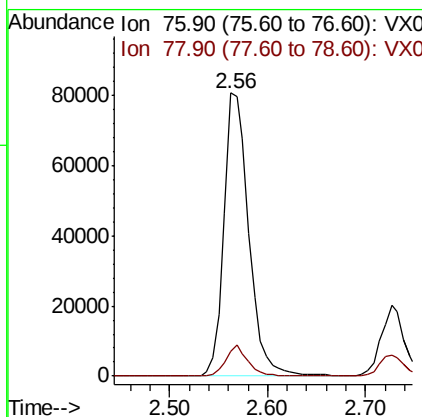
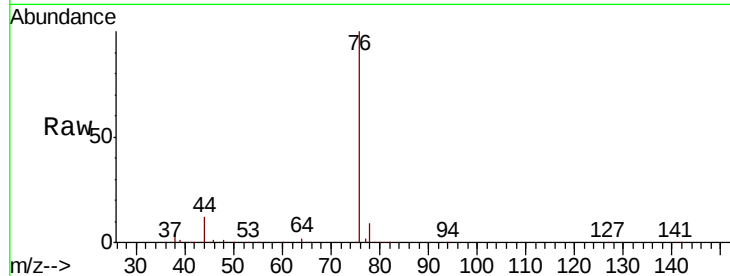
#17
Carbon Disulfide
Concen: 19.60 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX004590.D
Acq: 15 Sep 2018 17:47

Instrument :
MSVOA_X
ClientSampleId :
VX0915WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.0	10.6

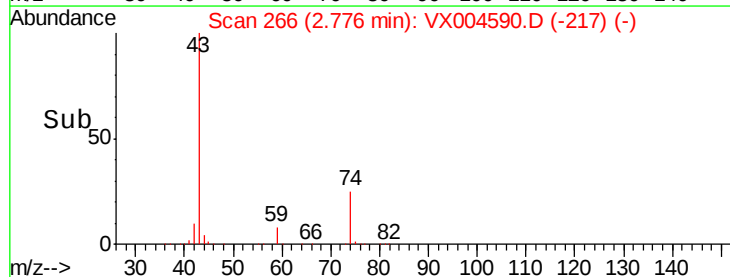
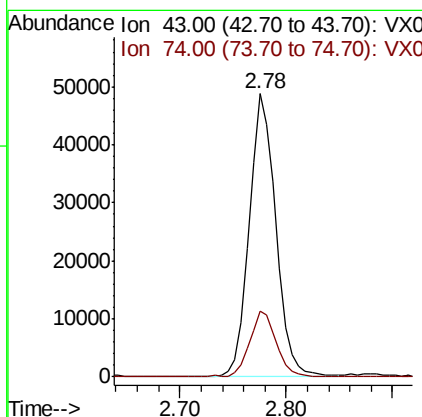
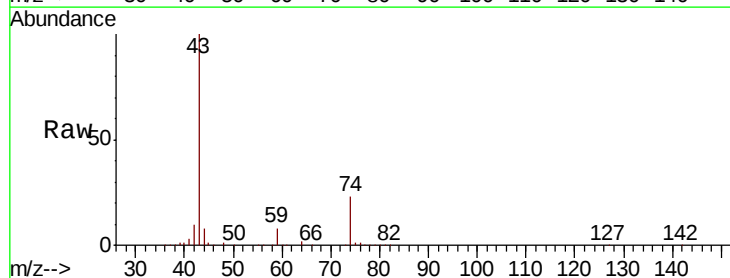
Manual Integrations
APPROVED

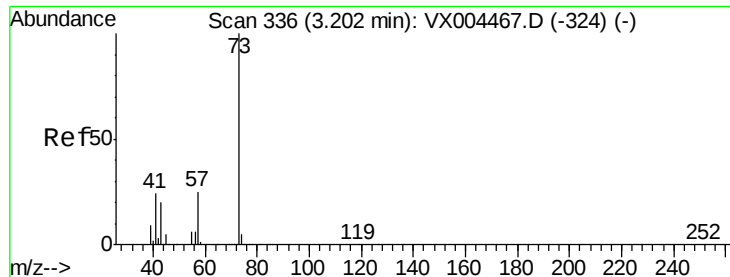
MMDadoda
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#18
Methyl Acetate
Concen: 20.02 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX004590.D
Acq: 15 Sep 2018 17:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	19.4	29.2





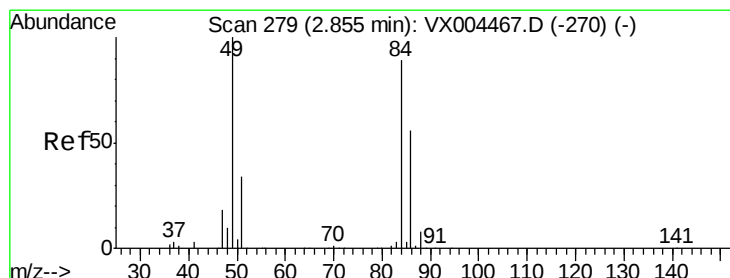
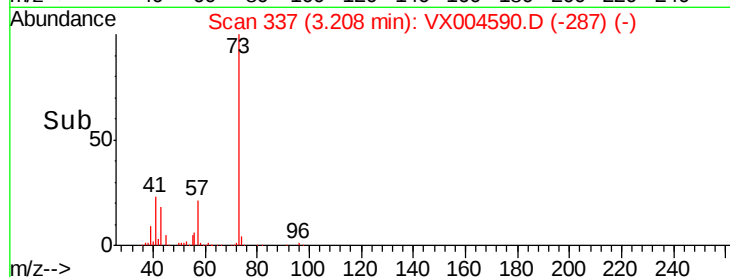
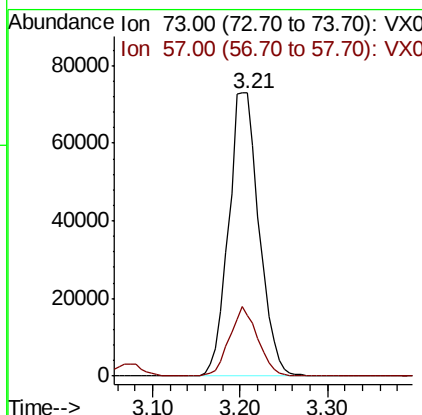
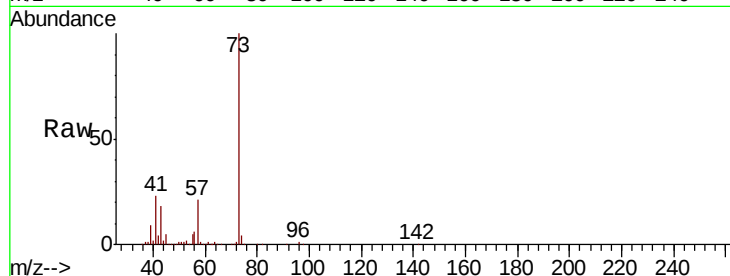
#19
Methvl tert-butvl Ether
Concen: 20.17 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX004590.D
Acq: 15 Sep 2018 17:47

Instrument :
MSVOA_X
ClientSampleId :
VX0915WBSD01

Tot Ion: 73 Resp: 177825
Ion Ratio Lower Upper
73 100
57 21.4 17.1 25.7

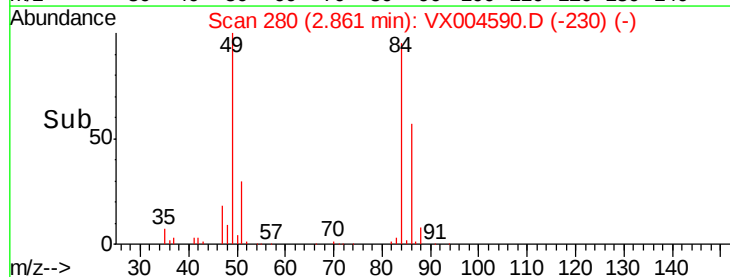
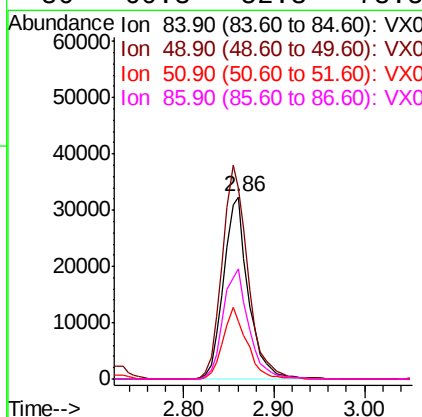
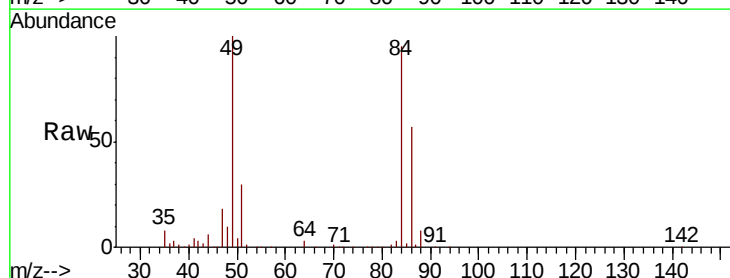
Manual Integrations
APPROVED

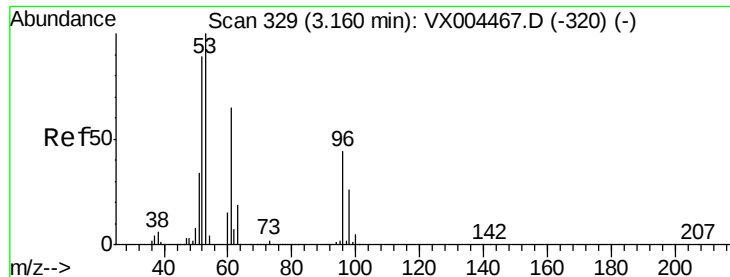
MMDadoda
9/17/2018 6:27:27 PM



#20
Methylene Chloride
Concen: 19.78 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX004590.D
Acq: 15 Sep 2018 17:47

Tgt Ion: 84 Resp: 61413
Ion Ratio Lower Upper
84 100
49 104.9 101.2 151.8
51 31.9 29.5 44.3
86 60.3 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 19.79 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX004590.D

Acq: 15 Sep 2018 17:47

Instrument :

MSVOA_X

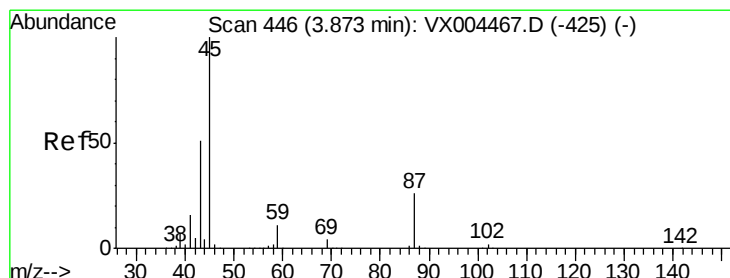
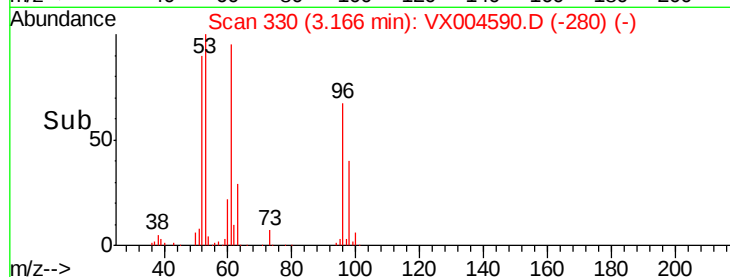
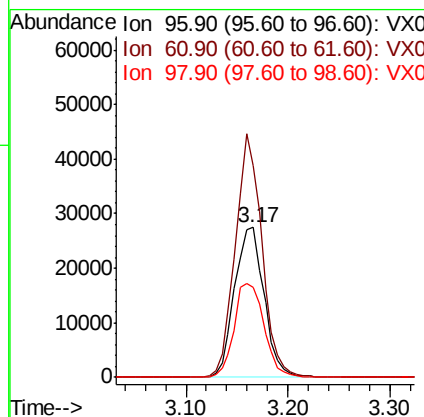
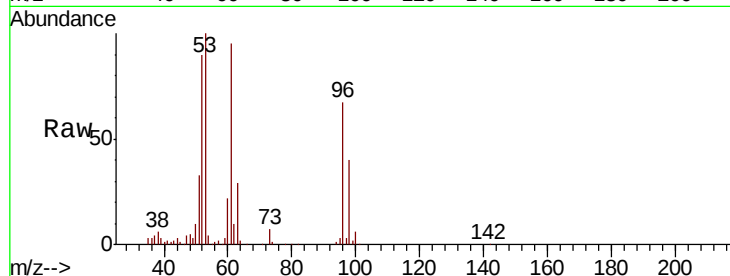
ClientSampleId :

VX0915WBSD01

Tot Ion:	96	Resp:	54947
Ion	Ratio	Lower	Upper
96	100		
61	141.4	113.8	170.6
98	60.3	51.8	77.8

Manual Integrations
APPROVED

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#22

Diisopropyl ether

Concen: 19.80 ug/l

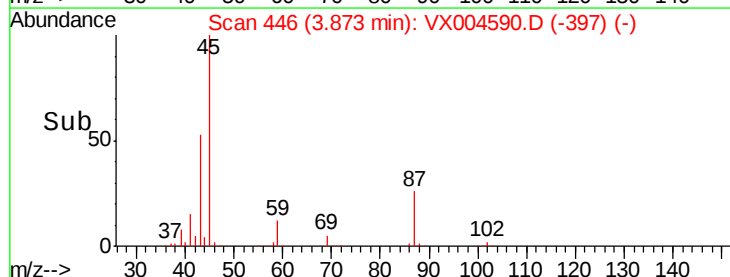
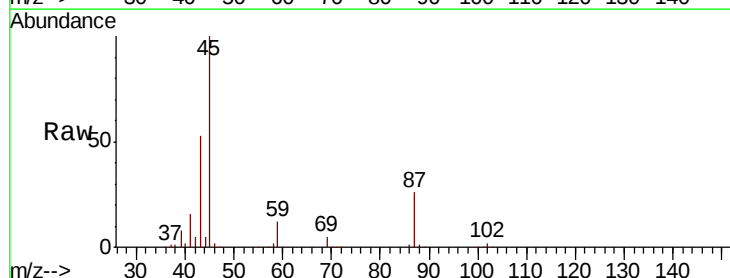
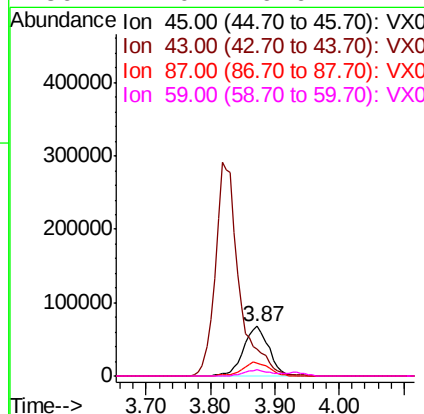
RT: 3.87 min Scan# 446

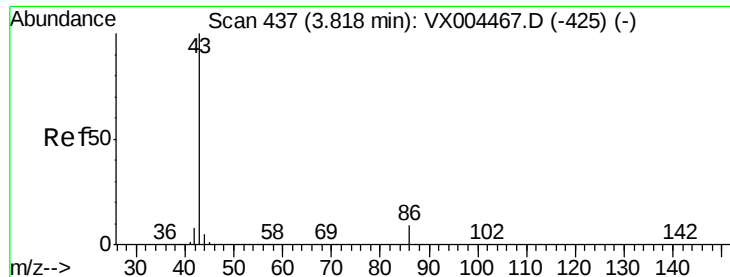
Delta R.T. 0.00 min

Lab File: VX004590.D

Acq: 15 Sep 2018 17:47

Tgt Ion:	45	Resp:	184182
Ion	Ratio	Lower	Upper
45	100		
43	52.9	42.8	64.2
87	25.9	22.6	34.0
59	12.0	9.6	14.4





#23

Vinyl Acetate

Concen: 100.26 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX004590.D

Acq: 15 Sep 2018 17:47

Tot Ion: 43 Resp: 754906

Ion Ratio Lower Upper

43 100

86 9.3 8.9 13.3

Instrument :

MSVOA_X

ClientSampleId :

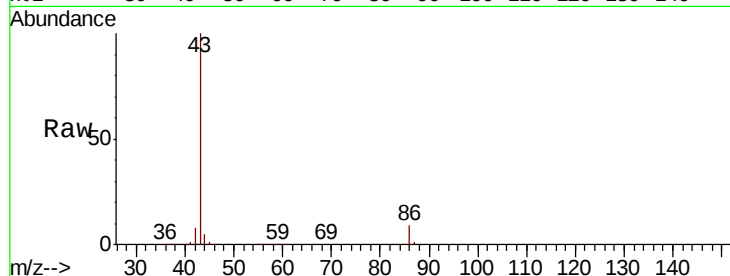
VX0915WBSD01

Manual Integrations

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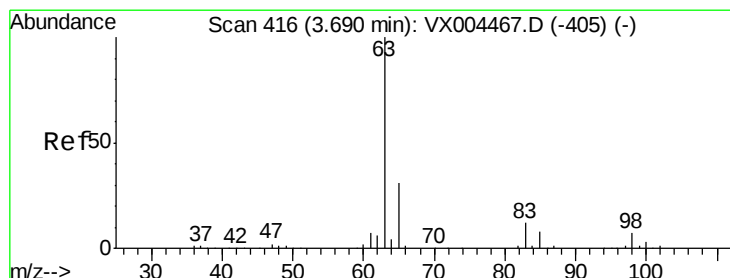
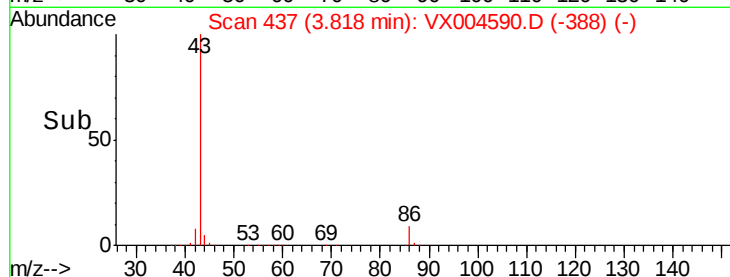
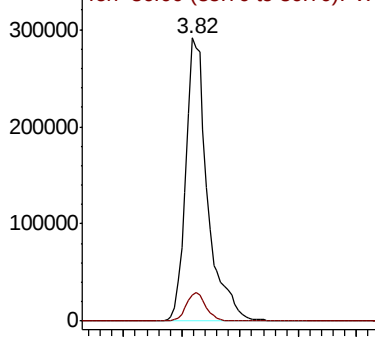
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 19.32 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX004590.D

Acq: 15 Sep 2018 17:47

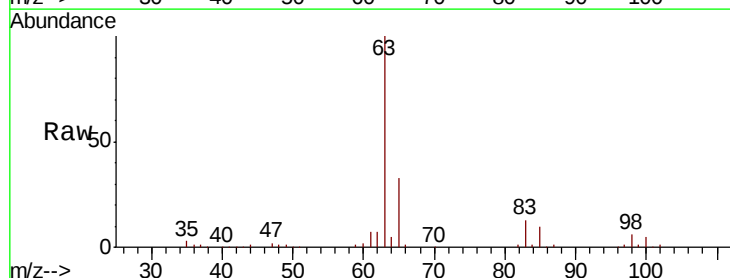
Tgt Ion: 63 Resp: 101502

Ion Ratio Lower Upper

63 100

98 6.4 3.5 10.4

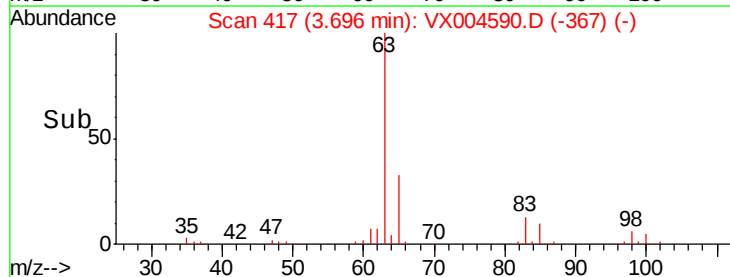
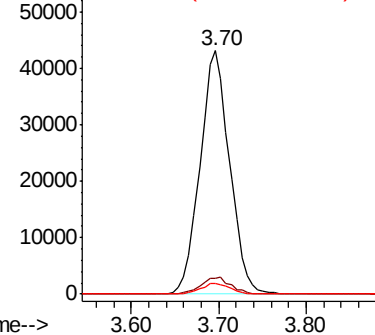
100 4.5 2.4 7.1

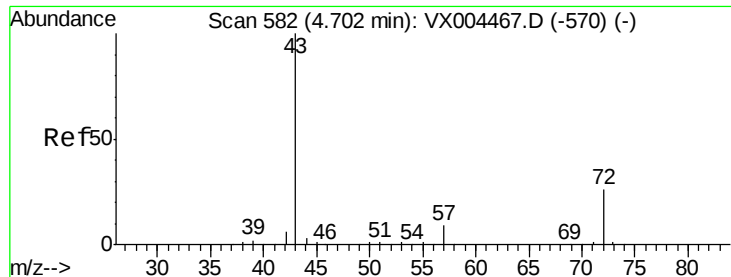


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 91.44 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX004590.D

Acq: 15 Sep 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

VX0915WBSD01

Tot Ion: 43 Resp: 220229

Ion Ratio Lower Upper

43 100

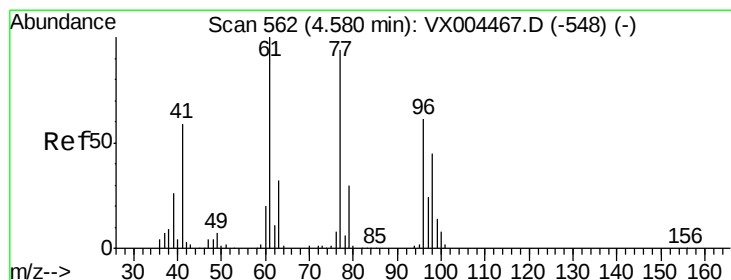
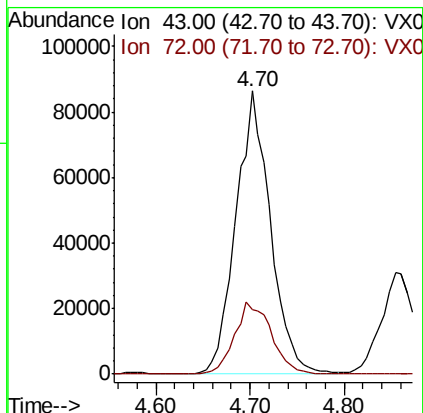
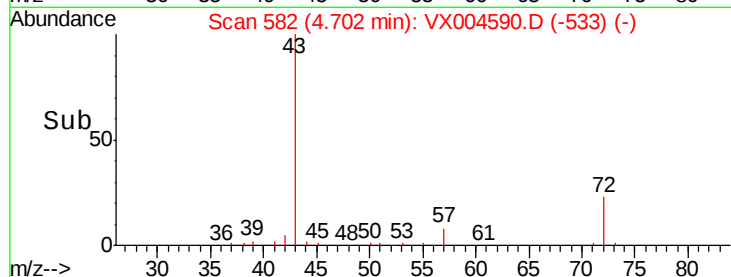
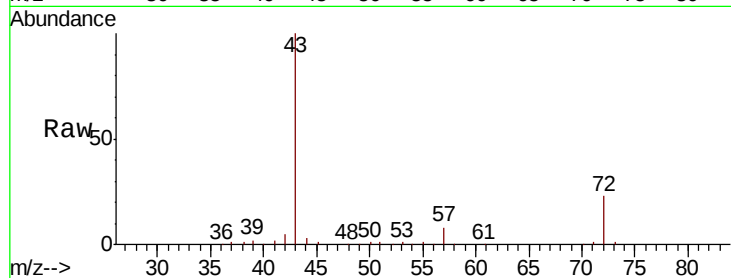
72 22.8 22.0 33.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.30 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX004590.D

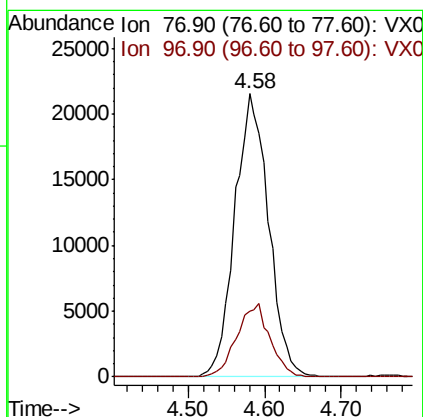
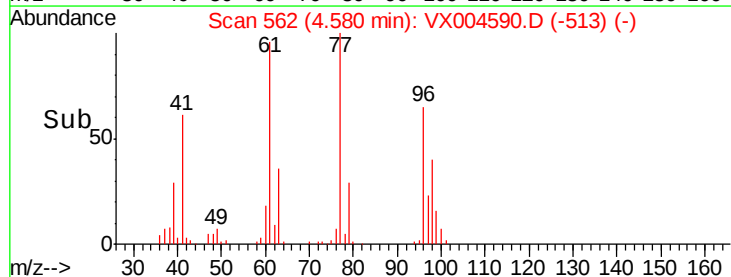
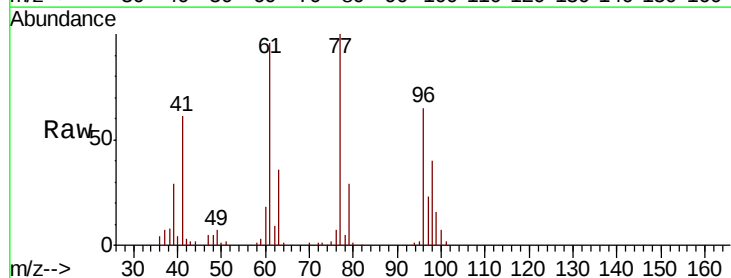
Acq: 15 Sep 2018 17:47

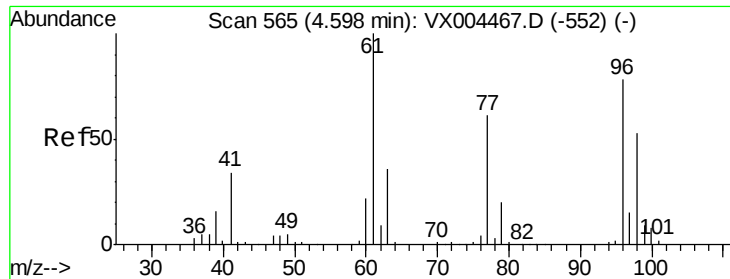
Tgt Ion: 77 Resp: 66012

Ion Ratio Lower Upper

77 100

97 25.3 11.7 35.0





#27

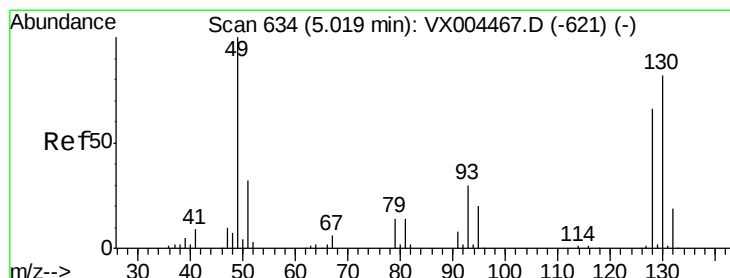
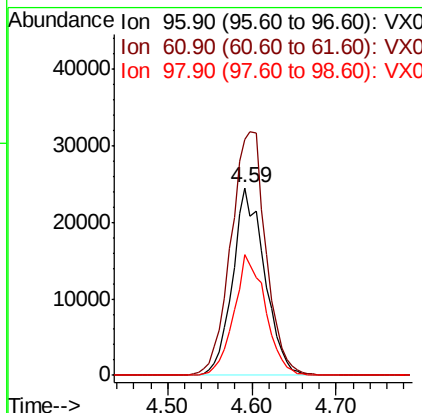
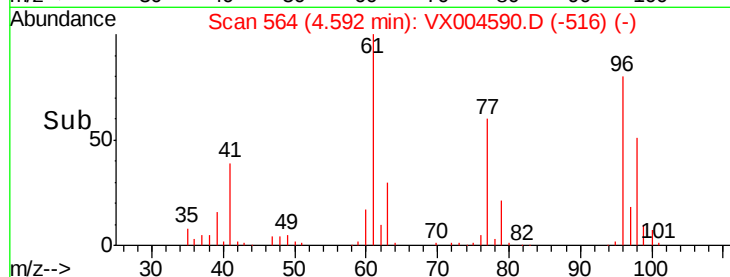
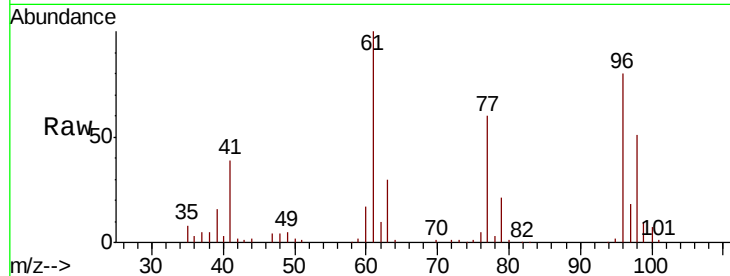
cis-1,2-Dichloroethene
Concen: 20.30 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX004590.D
Acq: 15 Sep 2018 17:47

Instrument :
MSVOA_X
ClientSampleId :
VX0915WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	62911		
61	142.3		0.0	282.6
98	63.5		0.0	130.2

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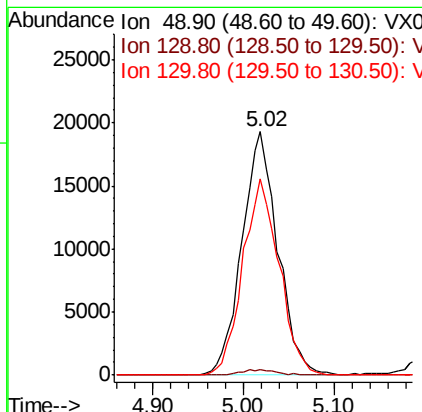
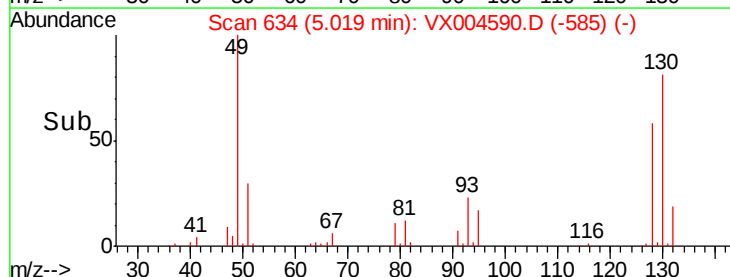
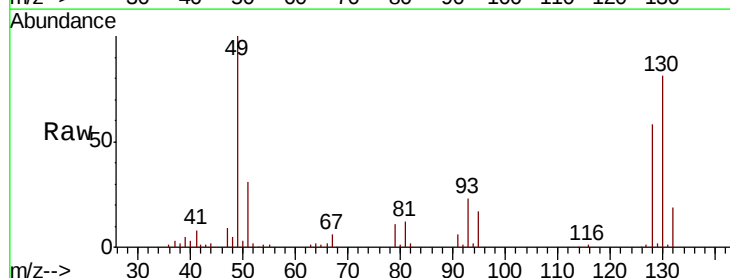
MMDadoda
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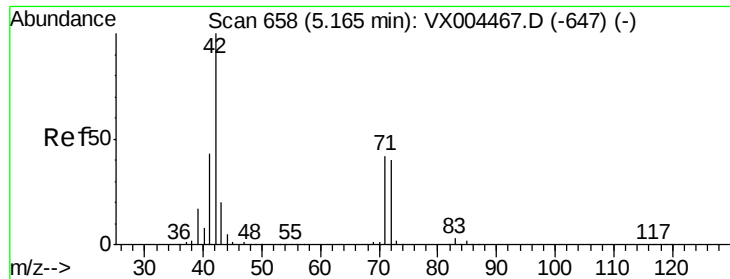


#28

Bromochloromethane
Concen: 22.00 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX004590.D
Acq: 15 Sep 2018 17:47

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	52848		
129	2.0		0.0	4.2
130	81.6		67.5	101.3





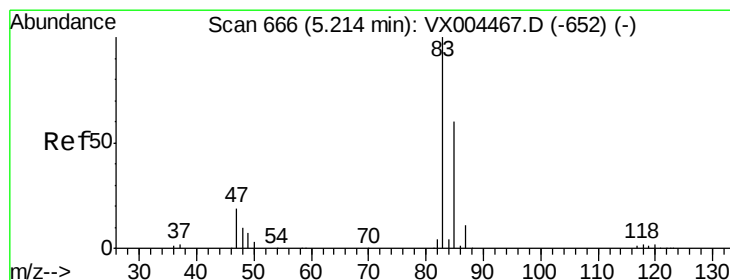
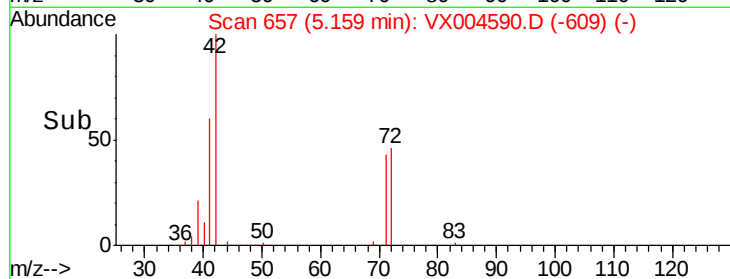
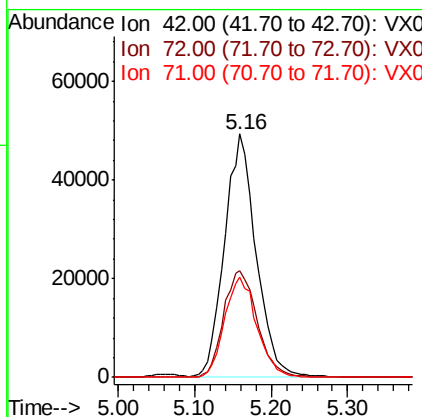
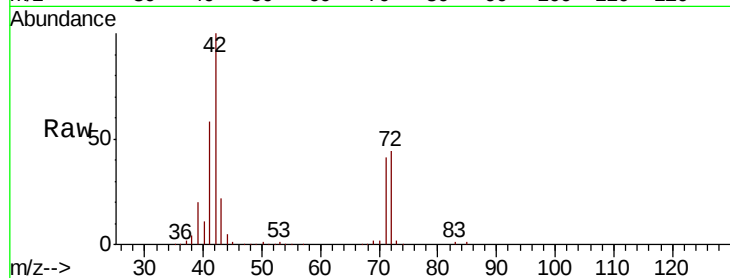
#29
Tetrahydrofuran
Concen: 96.39 ug/l
RT: 5.16 min Scan# 657
Delta R.T. -0.01 min
Lab File: VX004590.D
Acq: 15 Sep 2018 17:47

Instrument :
MSVOA_X
ClientSampleId :
VX0915WBSD01

Tot Ion:	42	Resp:	140010
Ion	Ratio	Lower	Upper
42	100		
72	47.0	37.4	56.0
71	42.3	34.5	51.7

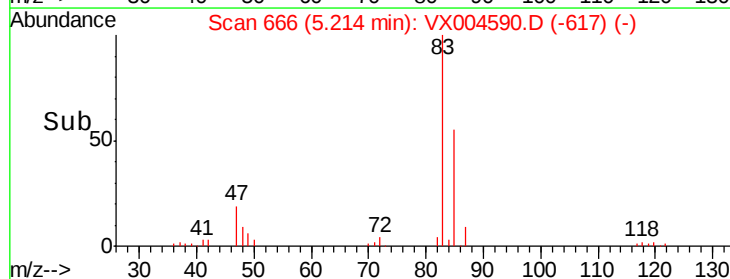
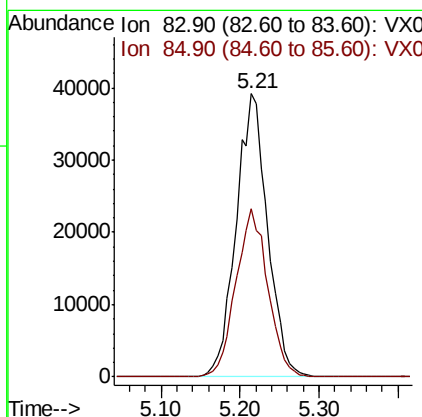
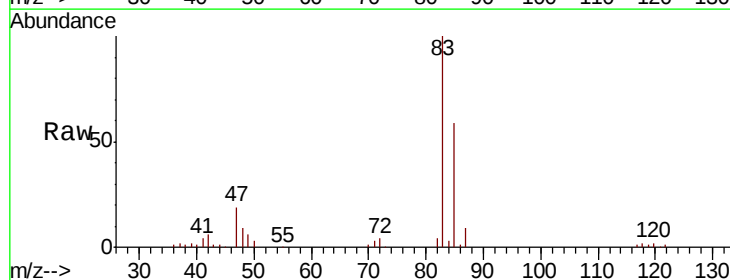
Manual Integrations
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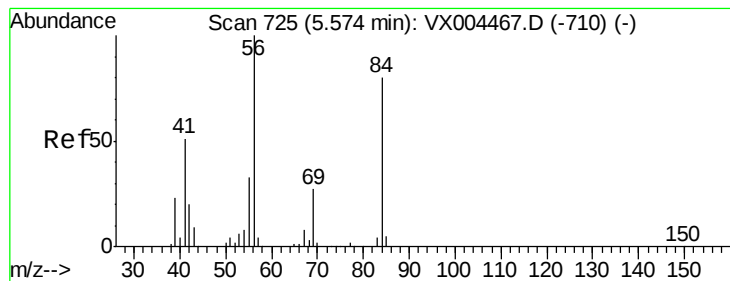
MMDadoda
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#30
Chloroform
Concen: 21.13 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX004590.D
Acq: 15 Sep 2018 17:47

Tgt Ion:	83	Resp:	108370
Ion	Ratio	Lower	Upper
83	100		
85	59.4	52.6	79.0





#31

Cyclohexane

Concen: 20.84 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX004590.D

Acq: 15 Sep 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

VX0915WBSD01

Tot Ion: 56 Resp: 93494

Ion Ratio Lower Upper

56 100

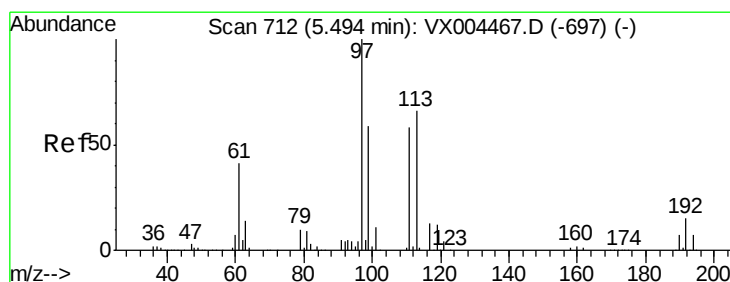
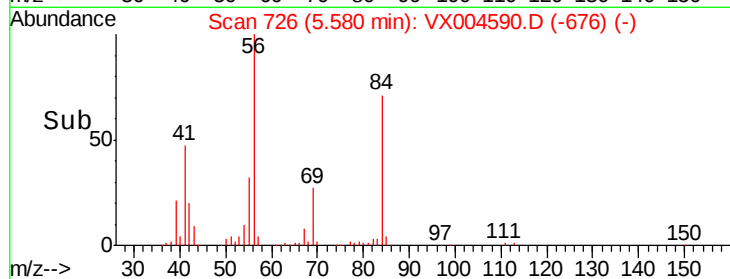
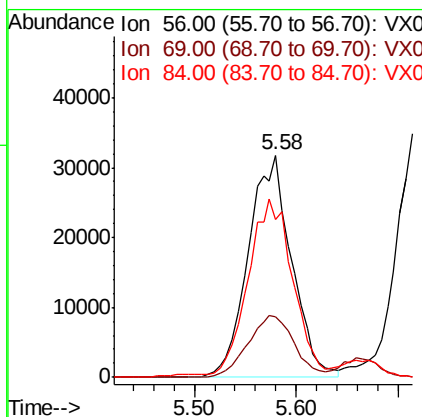
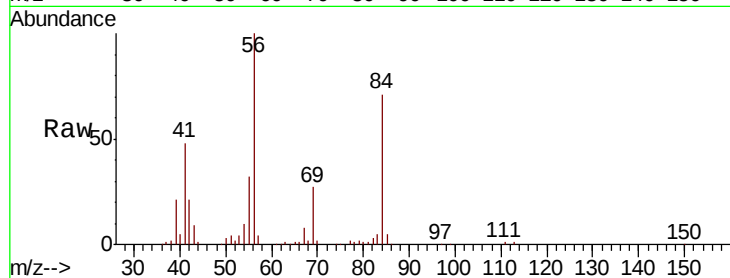
69 27.4 25.4 38.2

84 69.3 71.4 107.2#

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.40 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX004590.D

Acq: 15 Sep 2018 17:47

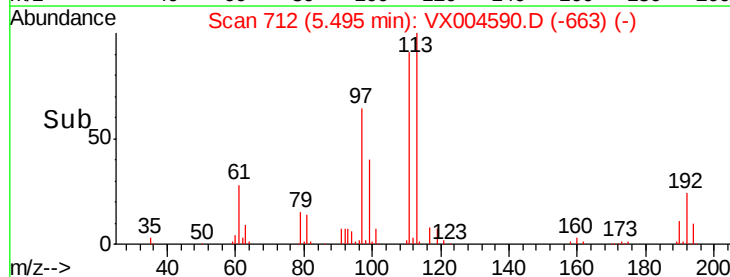
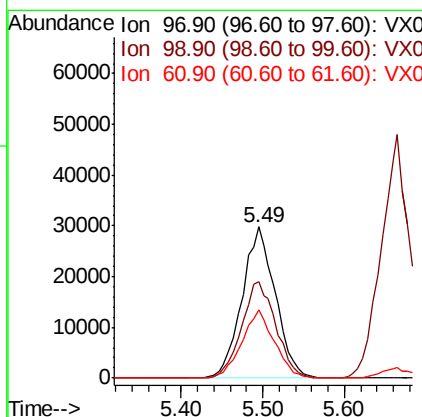
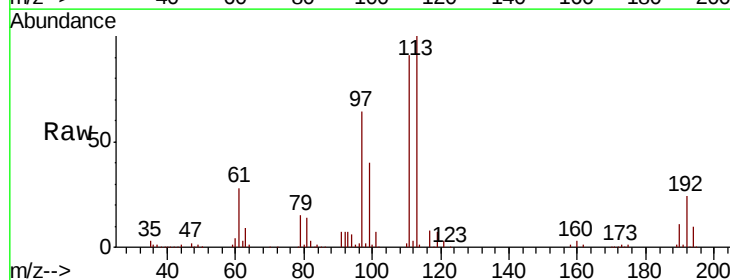
Tgt Ion: 97 Resp: 84258

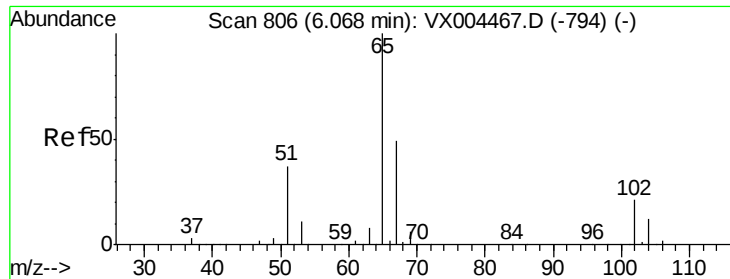
Ion Ratio Lower Upper

97 100

99 65.6 52.0 78.0

61 44.3 34.9 52.3





#33

1,2-Dichloroethane-d4

Concen: 46.95 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX004590.D

Acq: 15 Sep 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

VX0915WBSD01

Tot Ion: 65 Resp: 145568

Ion Ratio Lower Upper

65 100

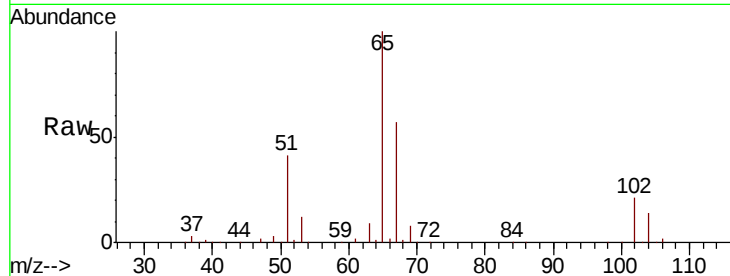
67 55.4 0.0 106.8

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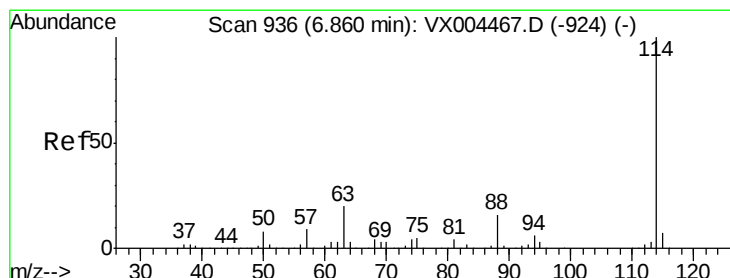
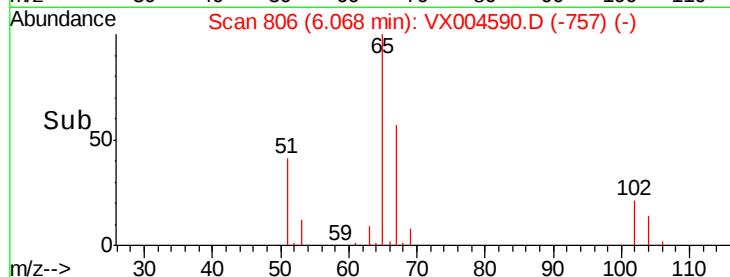
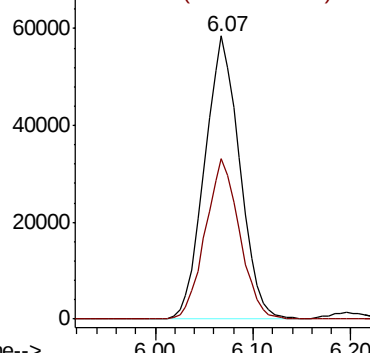
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX004590.D

Acq: 15 Sep 2018 17:47

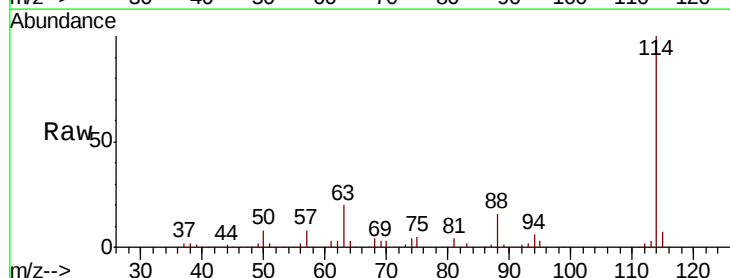
Tgt Ion: 114 Resp: 316208

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.0

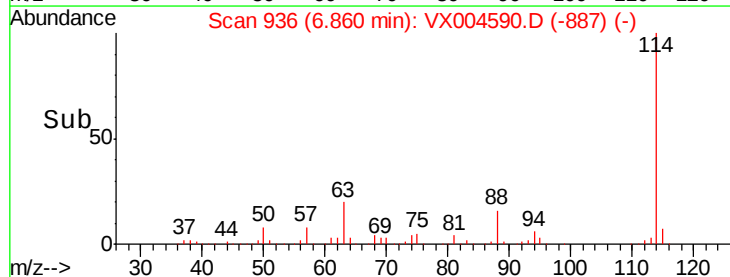
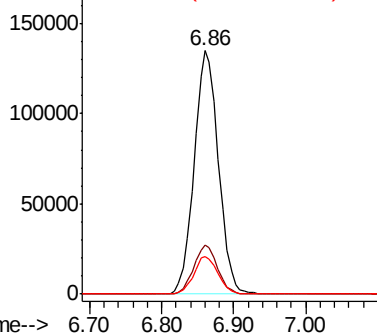
88 15.6 0.0 30.4



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: 48.59 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX004590.D

Acq: 15 Sep 2018 17:47

Instrument :

MSVOA_X

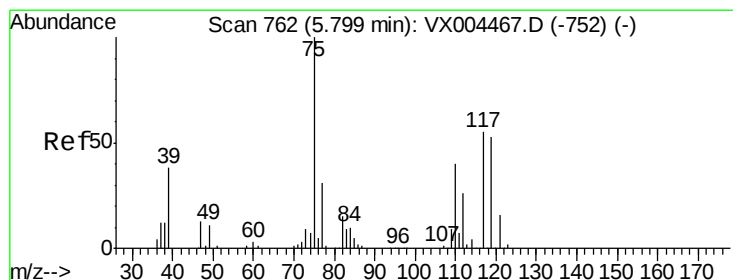
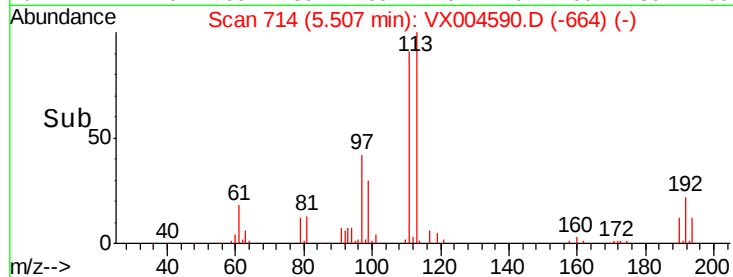
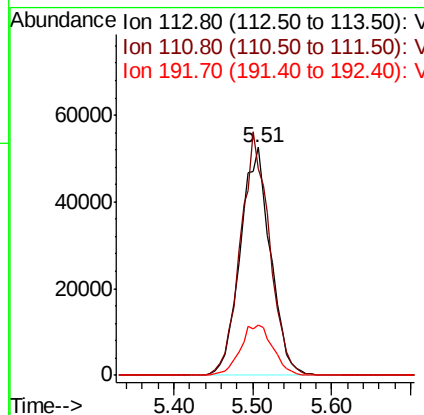
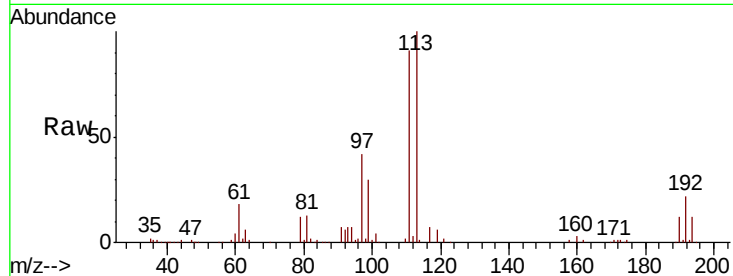
ClientSampleId :

VX0915WBSD01

Tot Ion:	113	Resp:	140611
Ion Ratio	Lower	Upper	
113	100		
111	102.2	82.4	123.6
192	23.7	19.4	29.2

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#36

1,1-Dichloropropene

Concen: 19.92 ug/l

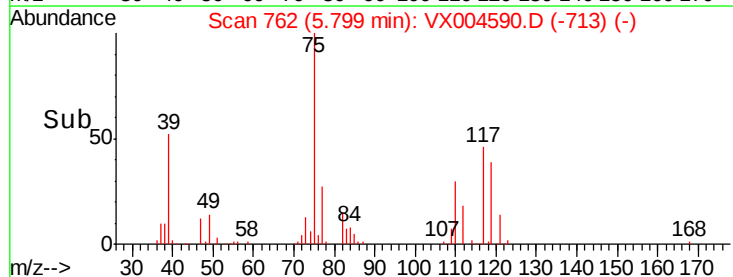
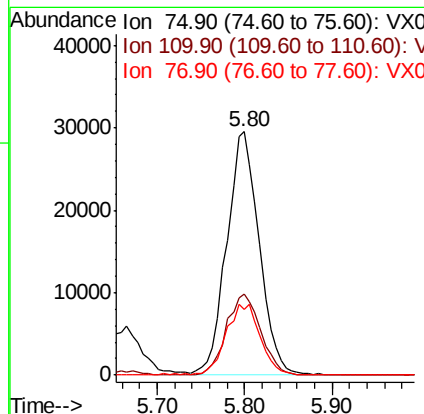
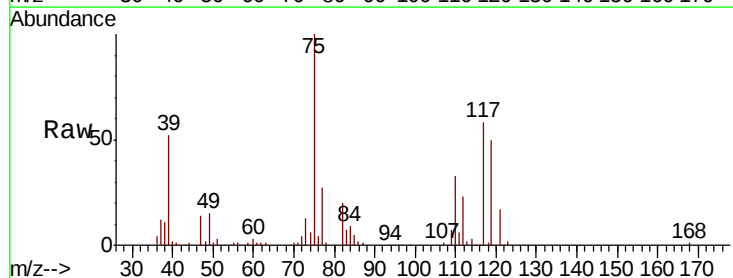
RT: 5.80 min Scan# 762

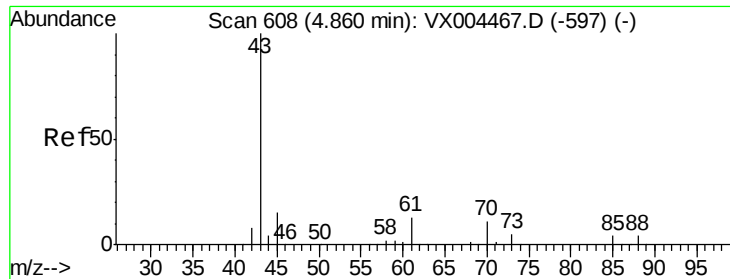
Delta R.T. 0.00 min

Lab File: VX004590.D

Acq: 15 Sep 2018 17:47

Tgt Ion:	75	Resp:	76480
Ion Ratio	Lower	Upper	
75	100		
110	34.8	18.0	54.0
77	30.4	24.6	36.8





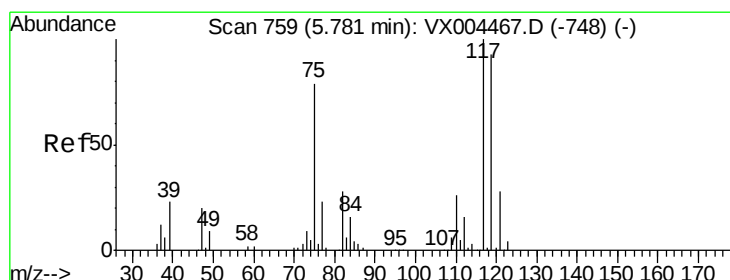
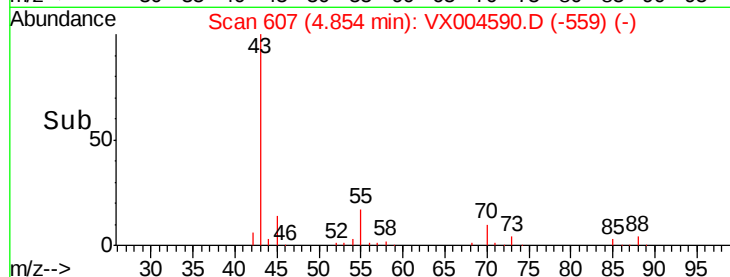
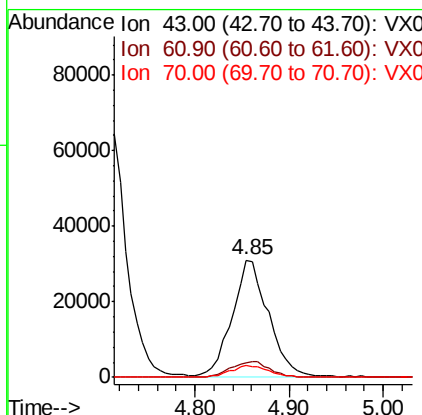
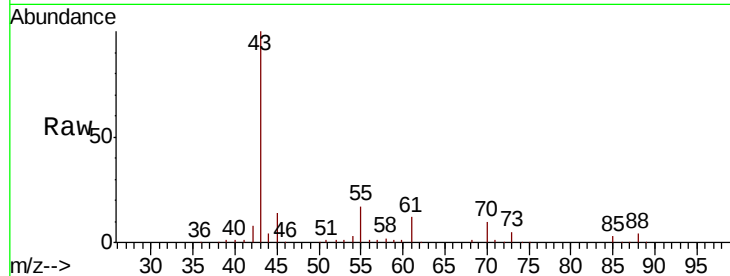
#37
Ethyl Acetate
Concen: 18.91 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX004590.D
Acq: 15 Sep 2018 17:47

Instrument :
MSVOA_X
ClientSampleId :
VX0915WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.5	17.3
70	10.8	9.0	13.6

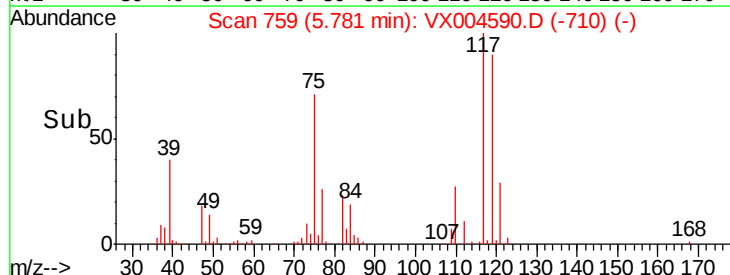
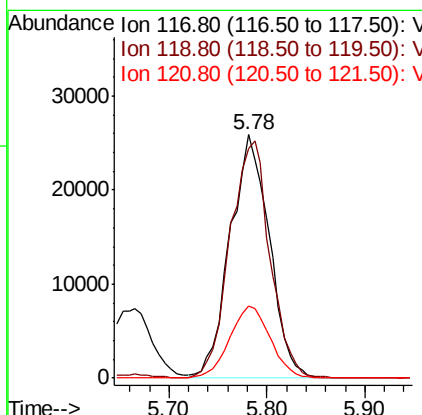
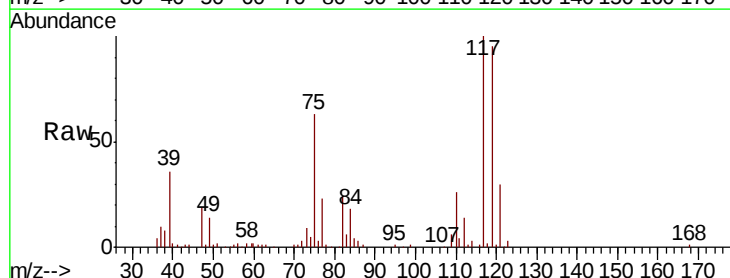
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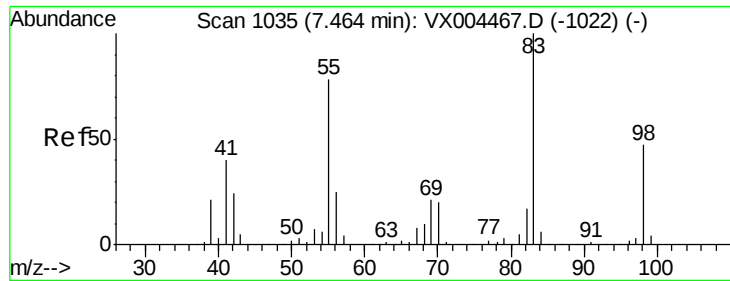
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#38
Carbon Tetrachloride
Concen: 19.21 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX004590.D
Acq: 15 Sep 2018 17:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	78.8	118.2
121	29.6	24.9	37.3





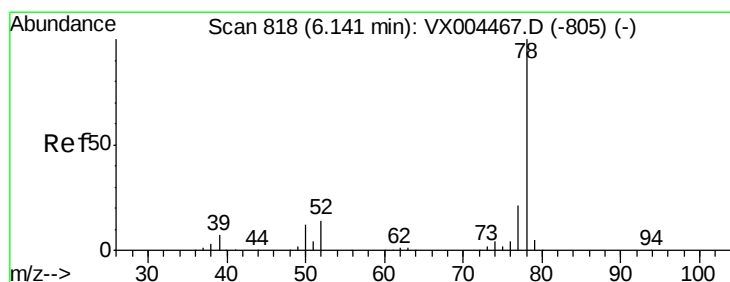
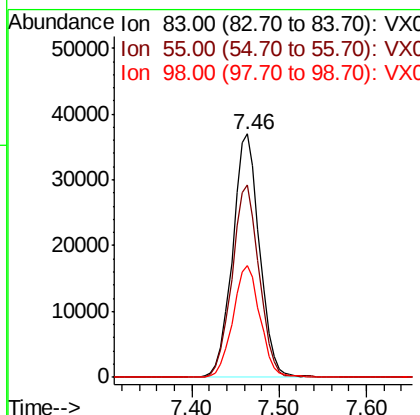
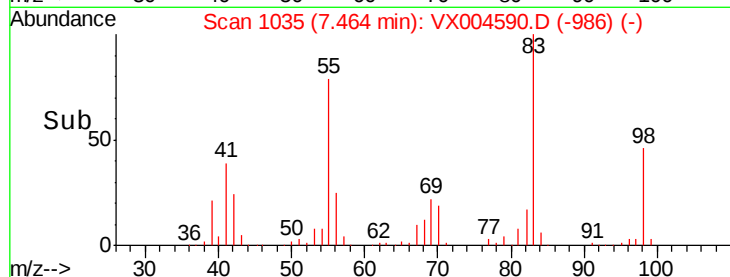
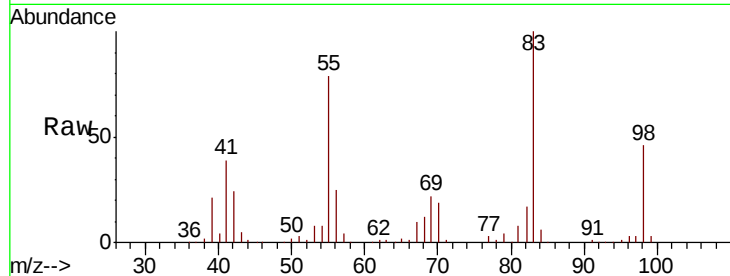
#39
Methvlcvclohexane
Concen: 19.82 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX004590.D
Acq: 15 Sep 2018 17:47

Instrument :
MSVOA_X
ClientSampleId :
VX0915WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.1	61.0	91.4
98	46.1	39.6	59.4

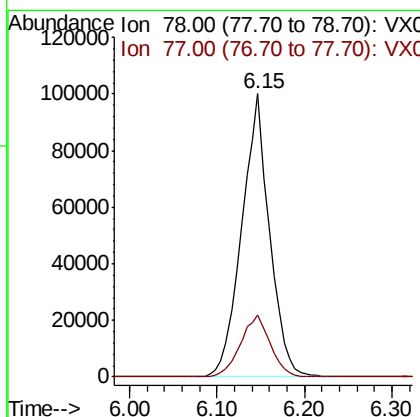
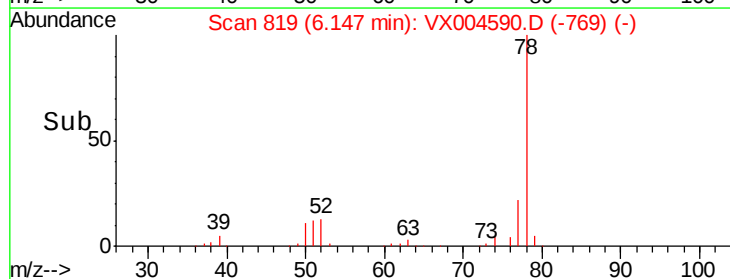
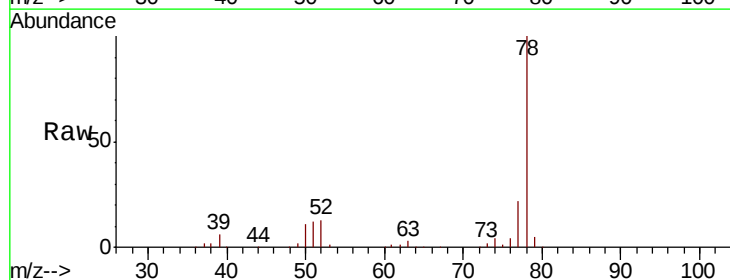
Manual Integrations
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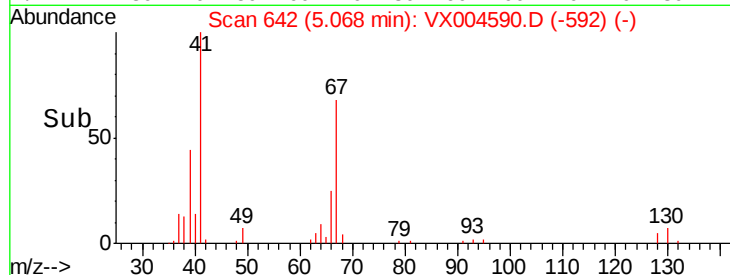
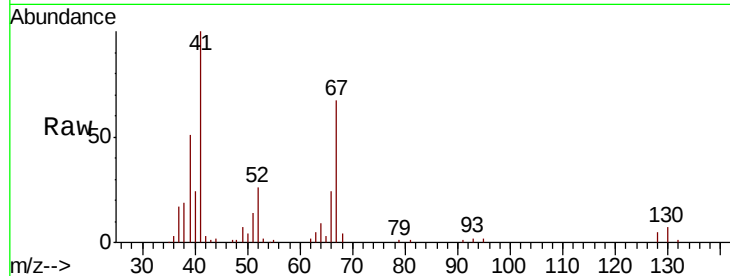
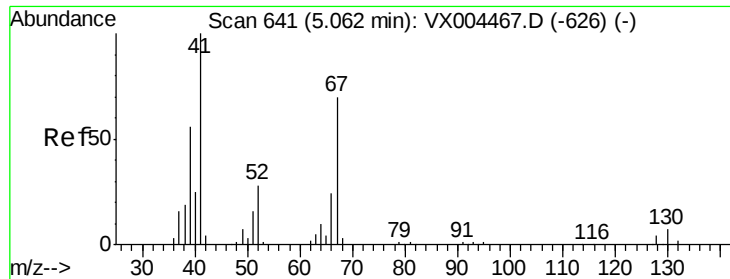
MMDadoda
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#40
Benzene
Concen: 19.34 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX004590.D
Acq: 15 Sep 2018 17:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.1	19.0	28.4





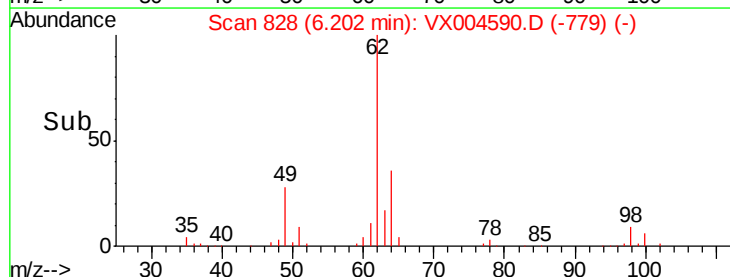
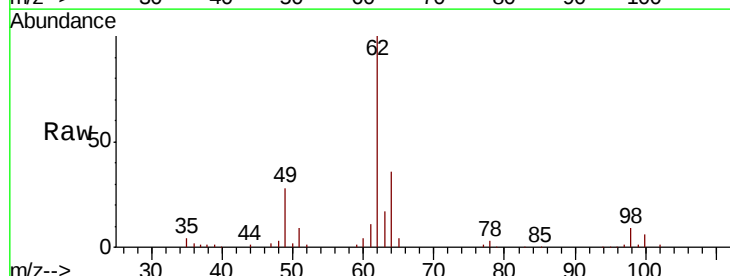
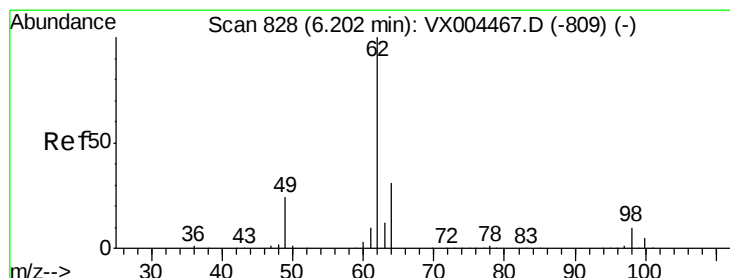
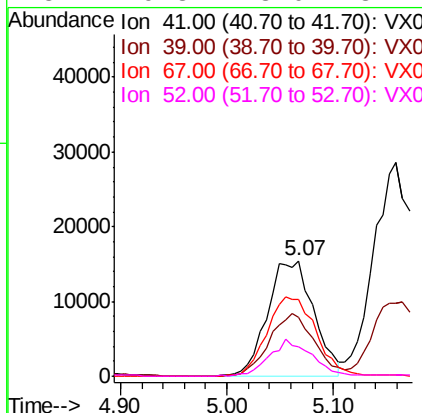
#41
Methacrylonitrile
Concen: 19.30 ug/l
RT: 5.07 min Scan# 642
Delta R.T. 0.01 min
Lab File: VX004590.D
Acq: 15 Sep 2018 17:47

Tot Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	53.1	42.4	63.6
67	67	73.0	59.2	88.8
52	52	29.3	23.0	34.4

Instrument :
MSVOA_X
ClientSampleId :
VX0915WBSD01

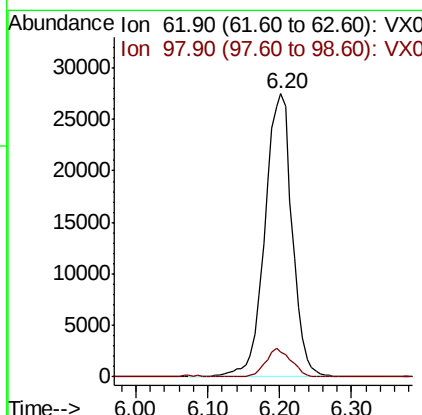
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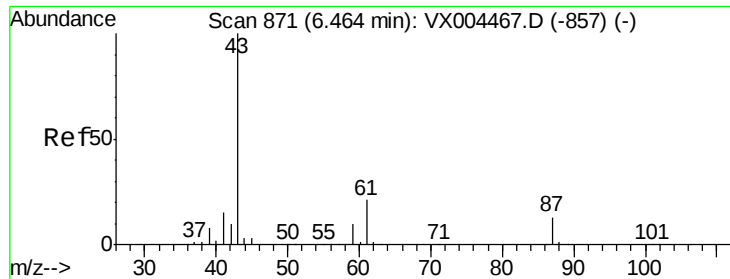
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#42
1,2-Dichloroethane
Concen: 19.18 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.00 min
Lab File: VX004590.D
Acq: 15 Sep 2018 17:47

Tgt Ion	Ion	Ratio	Lower	Upper
62	62	100		
98	98	9.3	0.0	20.6





#43

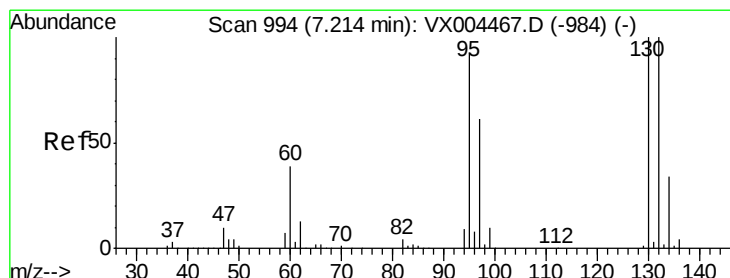
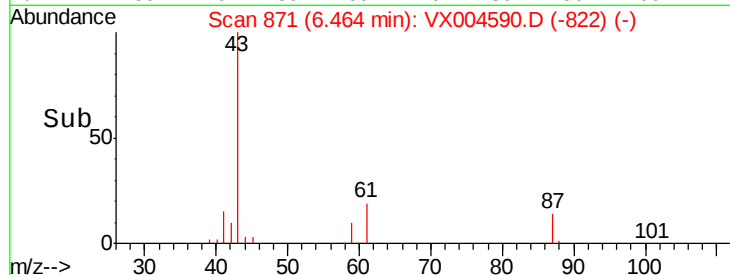
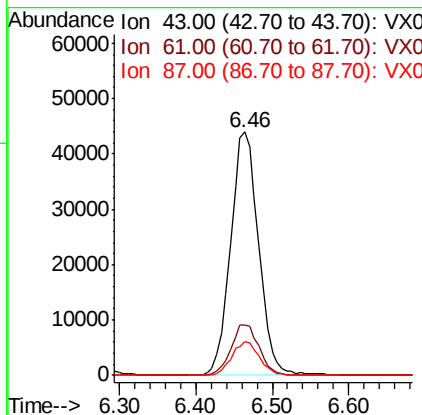
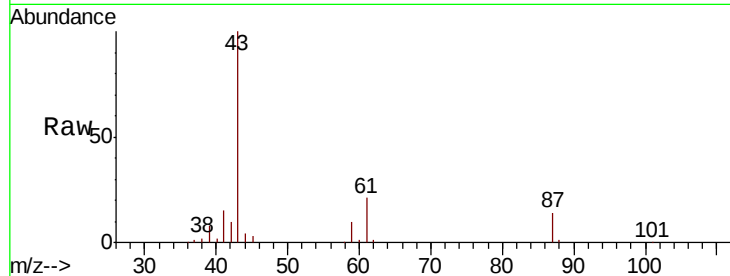
Isopropyl Acetate
 Concen: 19.12 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.00 min
 Lab File: VX004590.D
 Acq: 15 Sep 2018 17:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0915WBSD01

Tot Ion	43	61	87
Resp	110855		
Ratio	100	20.9	13.7
Lower		17.0	11.4
Upper		25.4	17.2

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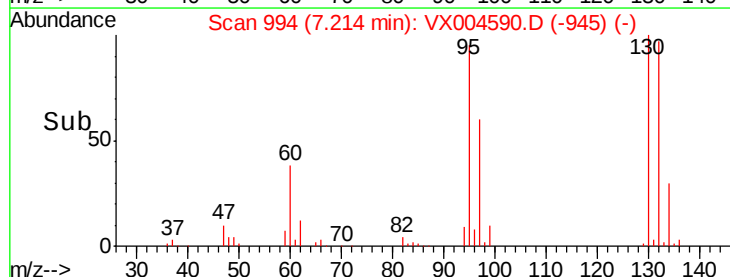
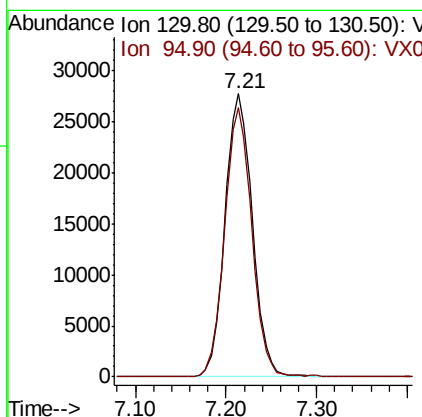
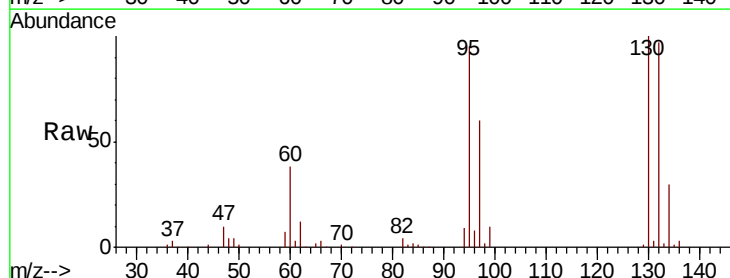
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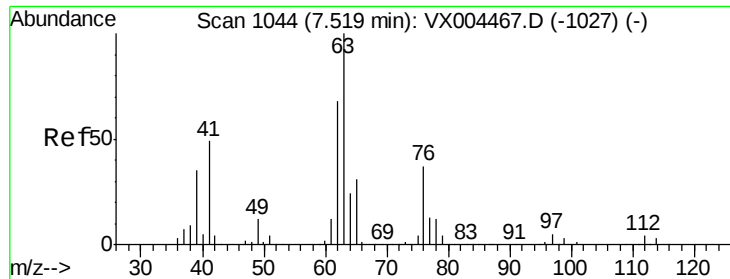


#44

Trichloroethene
 Concen: 19.62 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX004590.D
 Acq: 15 Sep 2018 17:47

Tgt Ion	130	95
Resp	58061	
Ratio	100	95.2
Lower		0.0
Upper		181.6





#45

1,2-Dichloropropane

Concen: 20.56 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX004590.D

Acq: 15 Sep 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

VX0915WBSD01

Tot Ion: 63 Resp: 56344

Ion Ratio Lower Upper

63 100

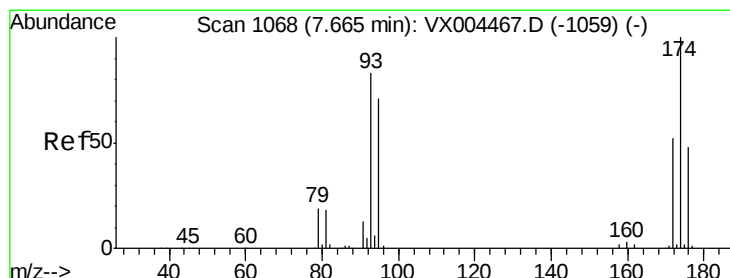
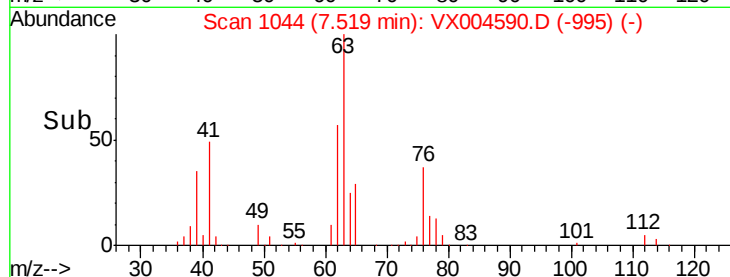
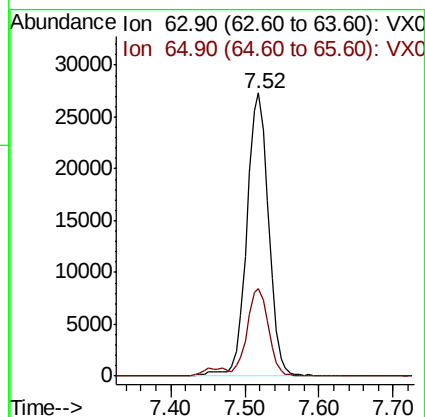
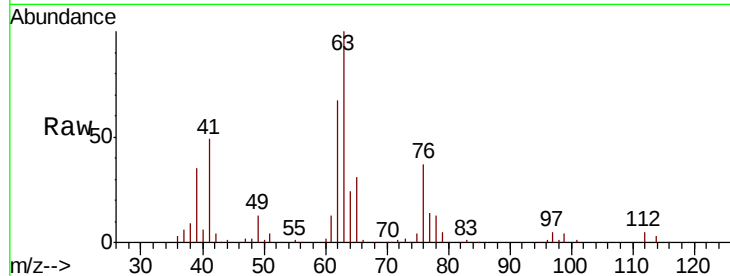
65 30.9 24.3 36.5

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#46

Dibromomethane

Concen: 20.08 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX004590.D

Acq: 15 Sep 2018 17:47

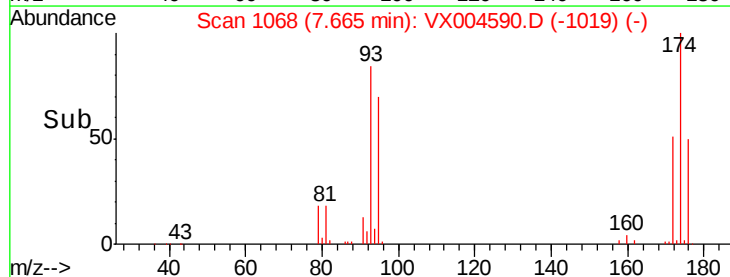
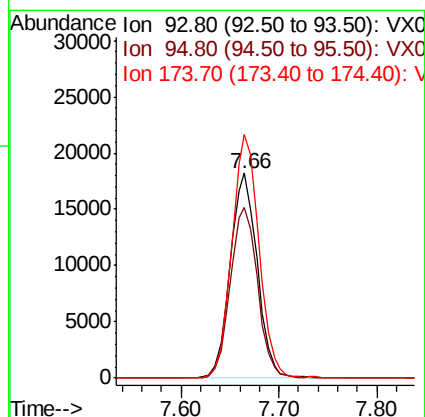
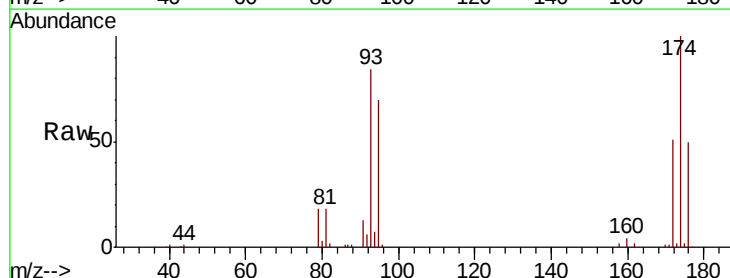
Tgt Ion: 93 Resp: 34773

Ion Ratio Lower Upper

93 100

95 84.6 65.5 98.3

174 119.6 94.2 141.4





#47

Bromodichloromethane

Concen: 20.13 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VX004590.D

Acq: 15 Sep 2018 17:47

Instrument :

MSVOA_X

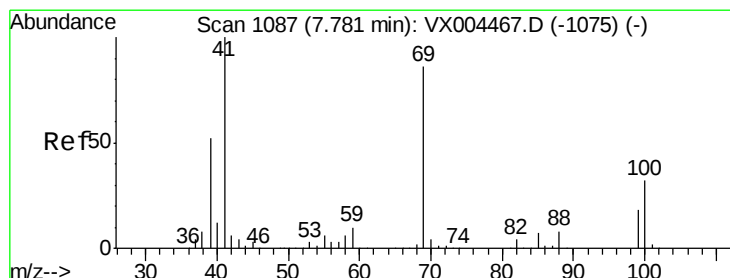
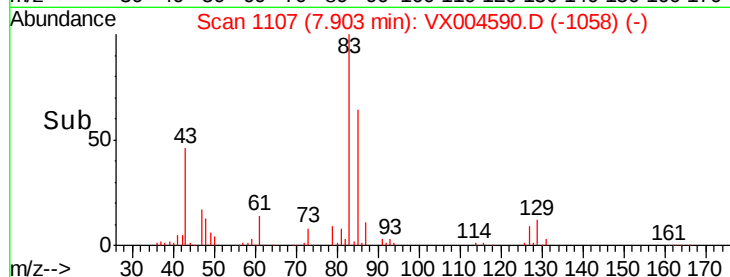
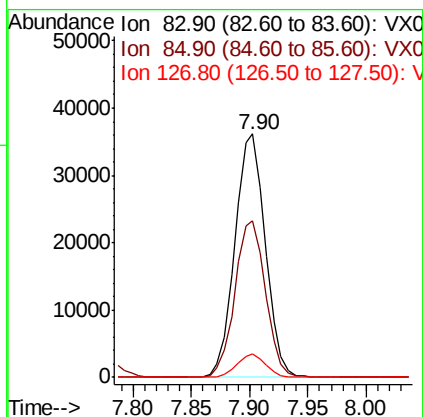
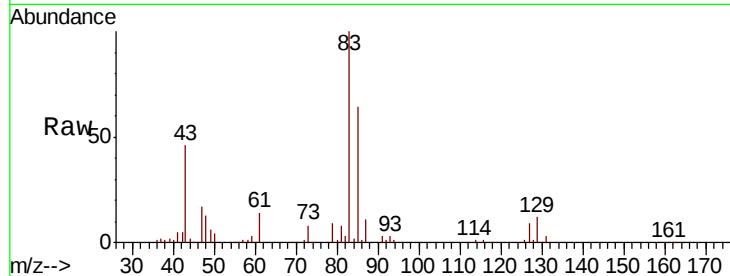
ClientSampleId :

VX0915WBSD01

Tot Ion:	83	Resp:	65921
Ion Ratio	Lower	Upper	
83	100		
85	64.2	50.9	76.3
127	9.5	7.3	10.9

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#48

Methyl methacrylate

Concen: 19.94 ug/l

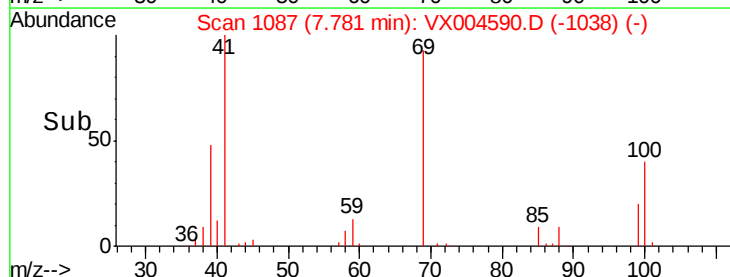
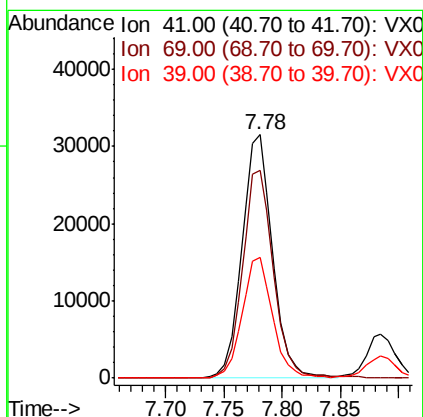
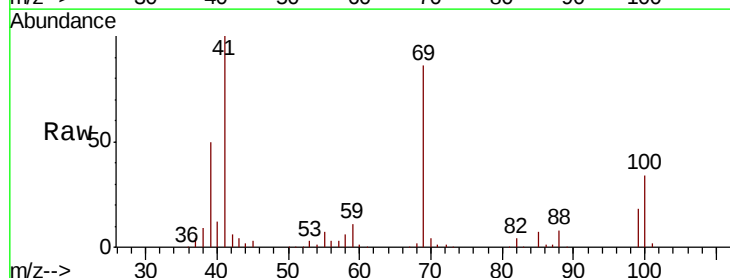
RT: 7.78 min Scan# 1087

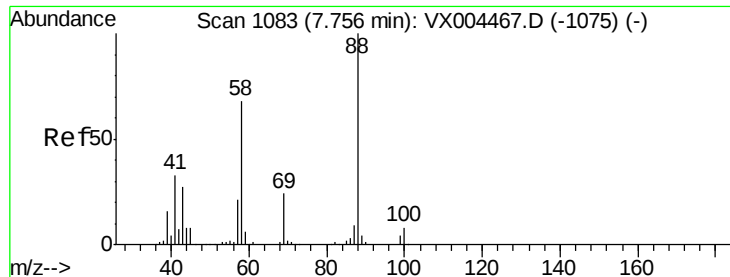
Delta R.T. 0.00 min

Lab File: VX004590.D

Acq: 15 Sep 2018 17:47

Tgt Ion:	41	Resp:	57222
Ion Ratio	Lower	Upper	
41	100		
69	86.8	70.2	105.4
39	49.9	42.7	64.1





#49

1,4-Dioxane

Concen: 400.99 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.00 min

Lab File: VX004590.D

Acq: 15 Sep 2018 17:47

Instrument :

MSVOA_X

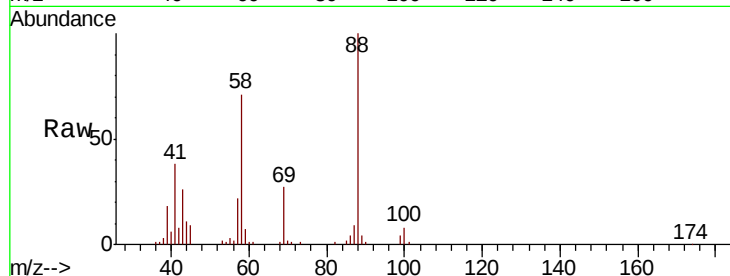
ClientSampled :

VX0915WBSD01

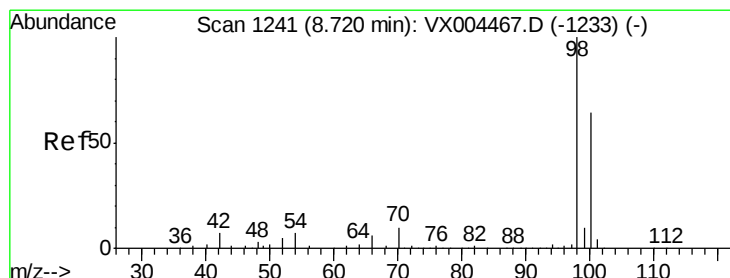
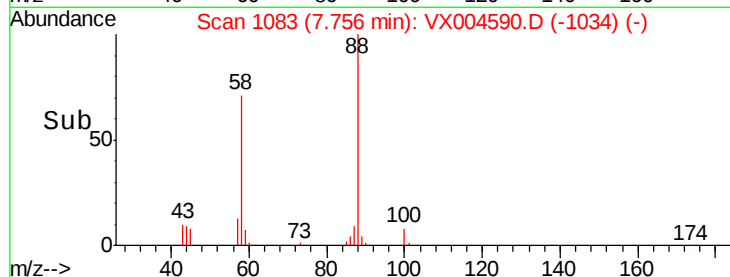
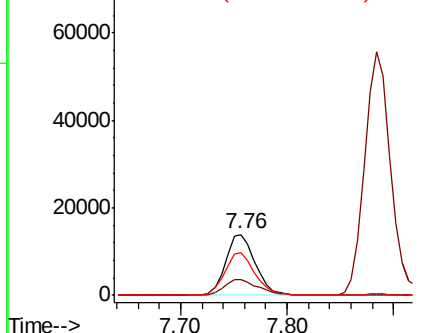
Tot Ion:	88	Resp:	27238
Ion	Ratio	Lower	Upper
88	100		
43	30.3	24.7	37.1
58	72.4	55.3	82.9

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



#50

Toluene-d8

Concen: 49.96 ug/l

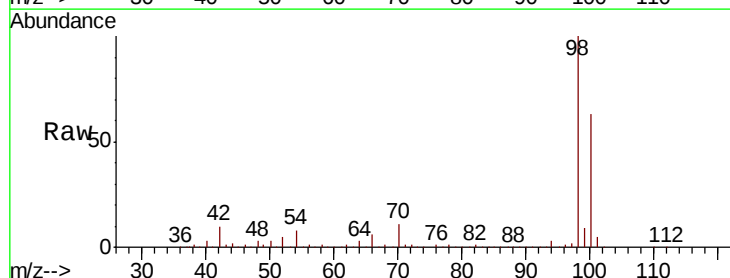
RT: 8.71 min Scan# 1240

Delta R.T. -0.01 min

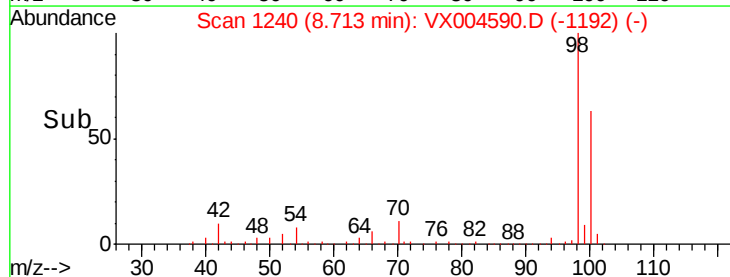
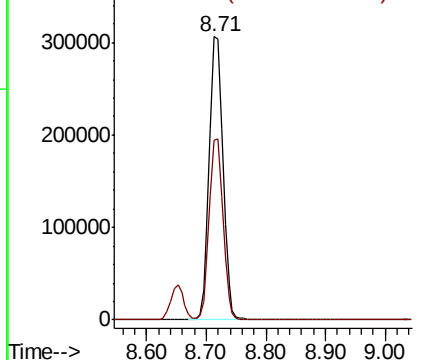
Lab File: VX004590.D

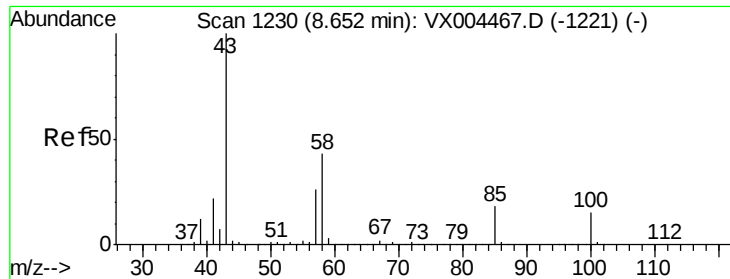
Acq: 15 Sep 2018 17:47

Tgt Ion:	98	Resp:	484767
Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.9	79.3



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





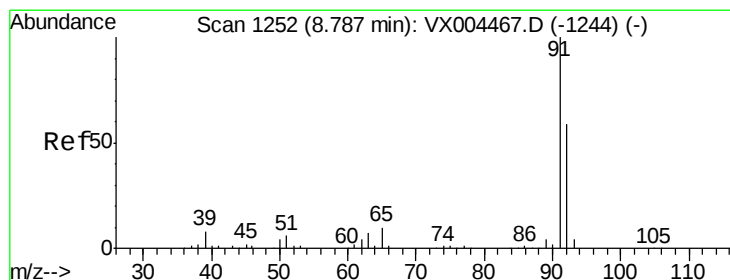
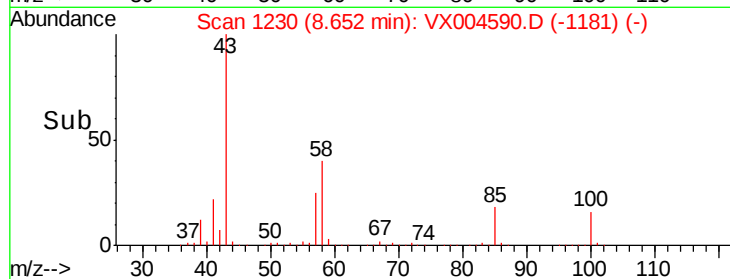
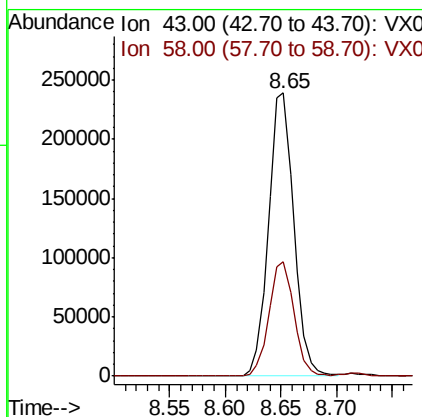
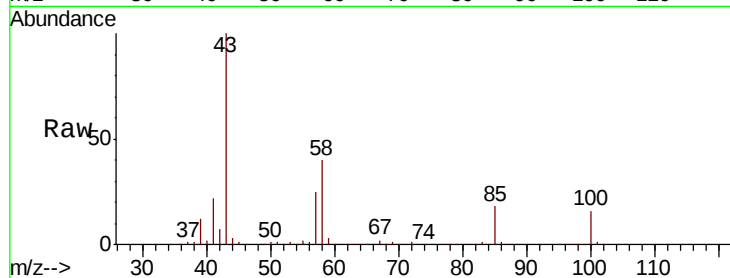
#51
 4-Methyl-2-Pentanone
 Concen: 92.77 ug/l
 RT: 8.65 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VX004590.D
 Acq: 15 Sep 2018 17:47

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0915WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.0	33.1	49.7

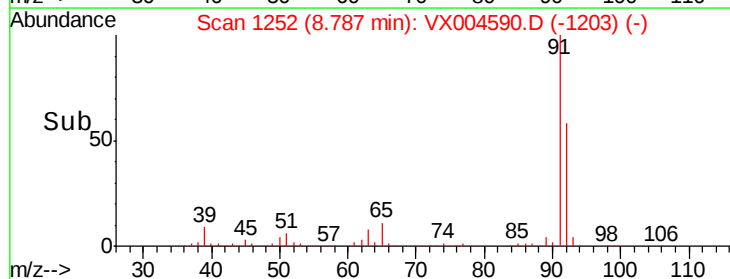
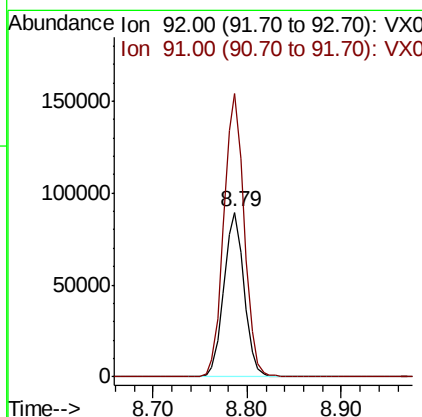
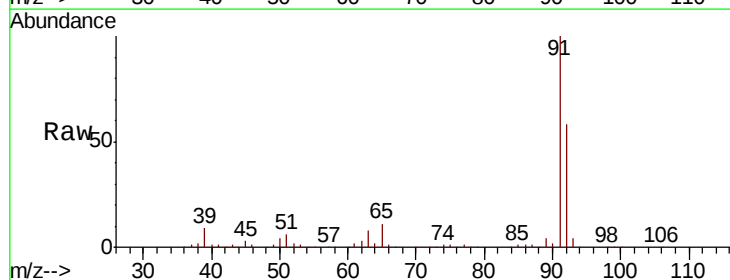
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#52
 Toluene
 Concen: 19.89 ug/l
 RT: 8.79 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VX004590.D
 Acq: 15 Sep 2018 17:47

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.6	136.4	204.6





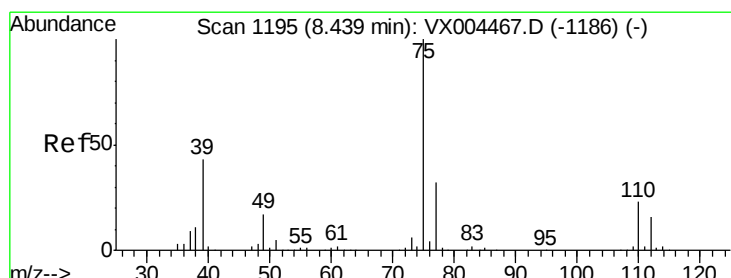
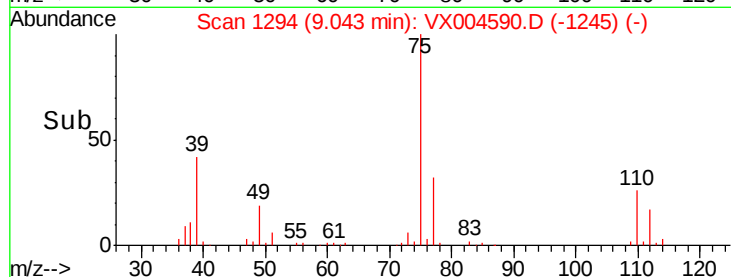
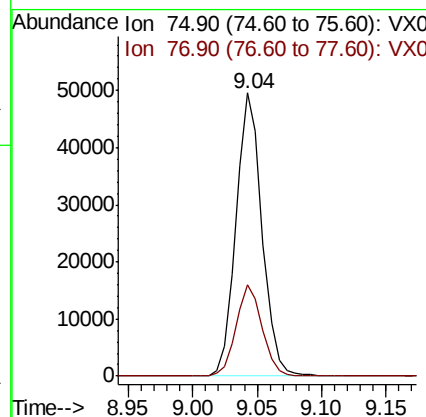
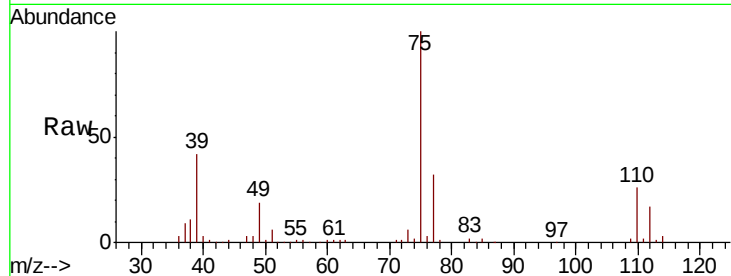
#53
t-1,3-Dichloropropene
Concen: 18.23 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX004590.D
Acq: 15 Sep 2018 17:47

Instrument :
MSVOA_X
ClientSampleId :
VX0915WBSD01

Tot Ion: 75 Resp: 69725
Ion Ratio Lower Upper
75 100
77 32.2 24.6 37.0

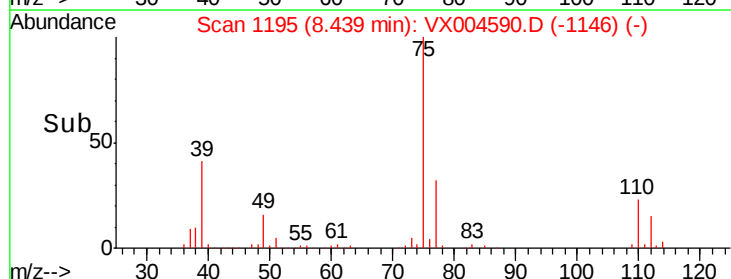
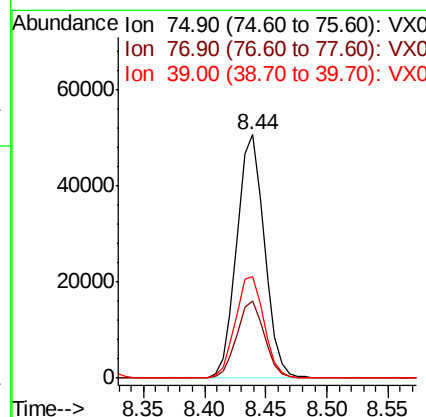
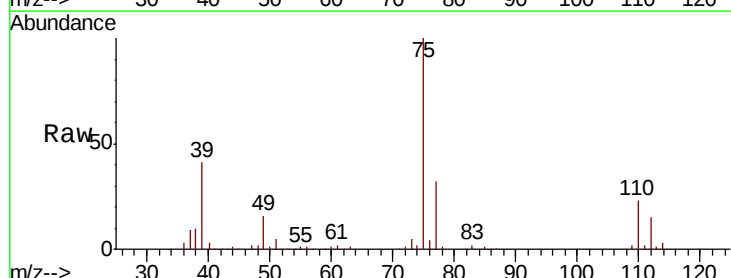
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#54
cis-1,3-Dichloropropene
Concen: 20.34 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.00 min
Lab File: VX004590.D
Acq: 15 Sep 2018 17:47

Tgt Ion: 75 Resp: 79294
Ion Ratio Lower Upper
75 100
77 31.6 26.2 39.2
39 41.5 36.4 54.6





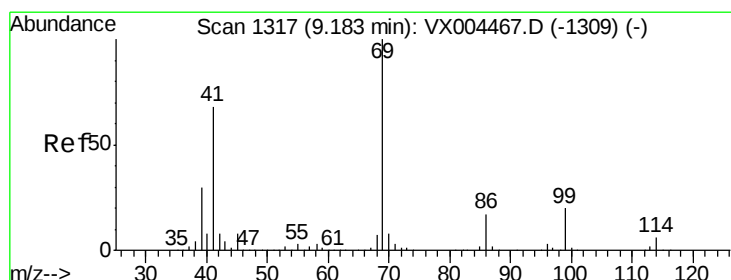
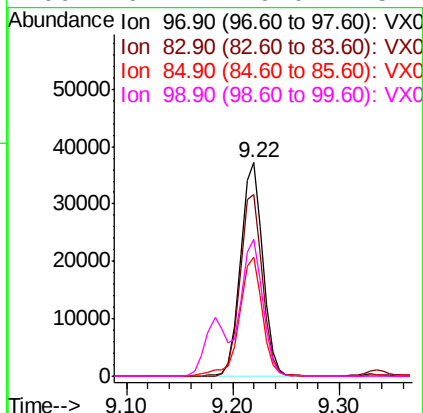
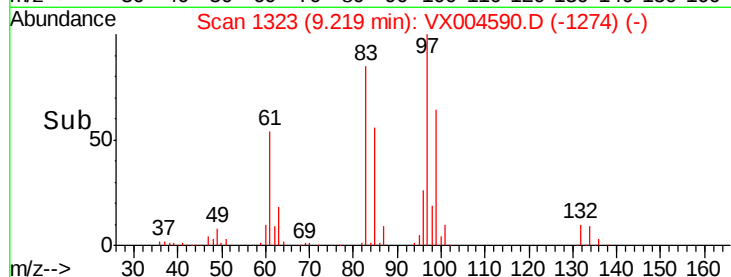
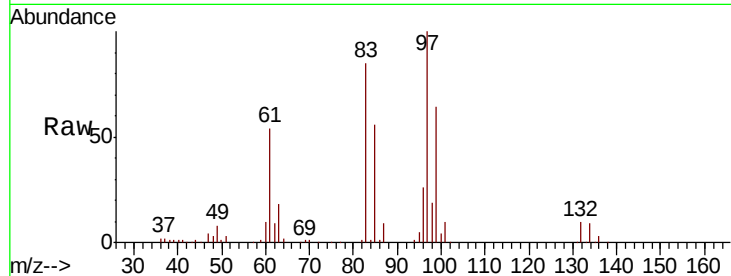
#55
 1,1,2-Trichloroethane
 Concen: 18.86 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX004590.D
 Acq: 15 Sep 2018 17:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0915WBSD01

Tot Ion:	97	Resp:	54511
Ion	Ratio	Lower	Upper
97	100		
83	85.0	66.4	99.6
85	55.9	43.3	64.9
99	64.2	49.0	73.4

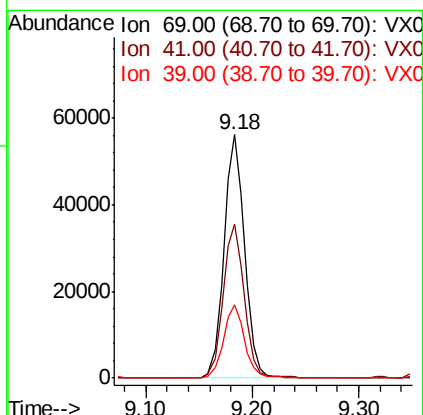
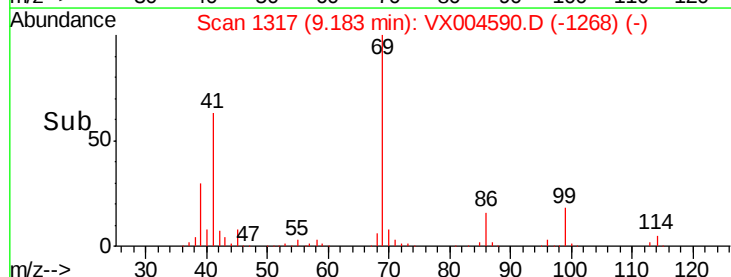
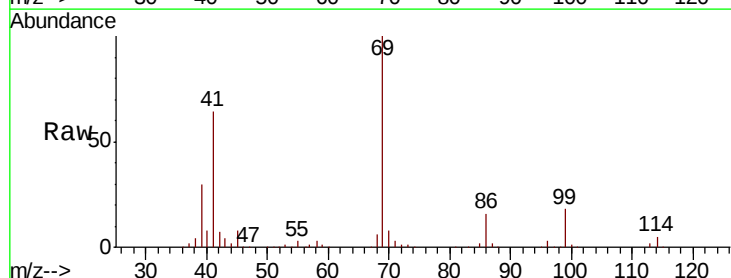
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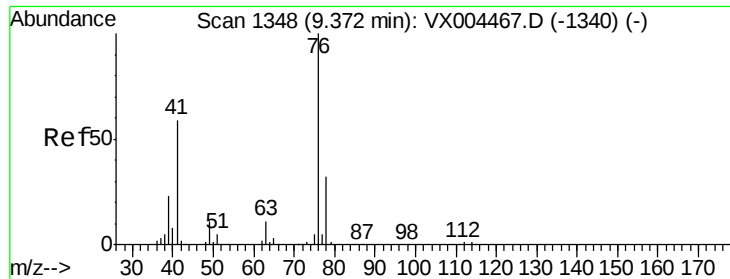
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#56
 Ethyl methacrylate
 Concen: 18.65 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX004590.D
 Acq: 15 Sep 2018 17:47

Tgt Ion:	69	Resp:	76231
Ion	Ratio	Lower	Upper
69	100		
41	65.3	51.0	76.4
39	30.8	26.1	39.1





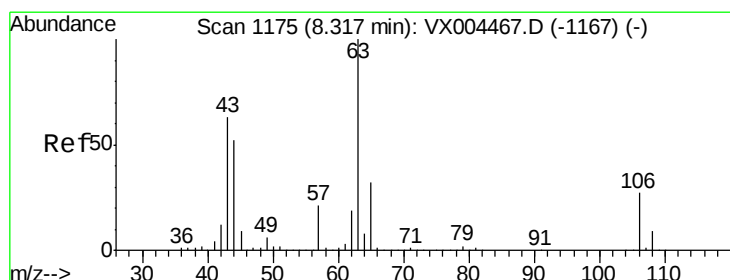
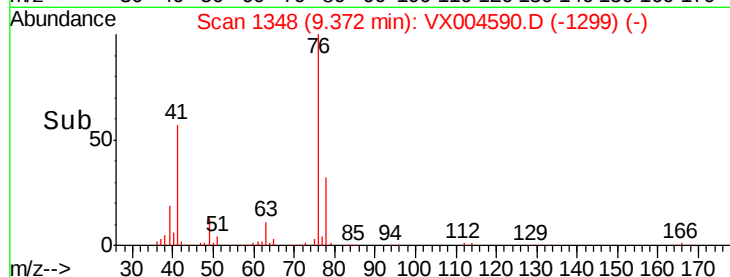
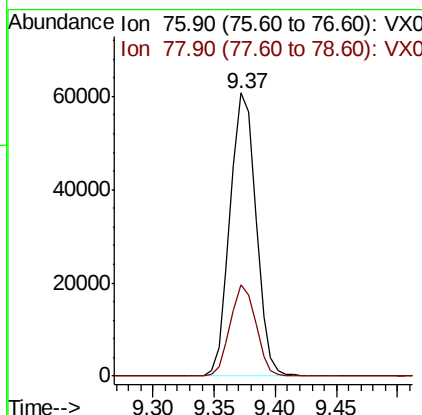
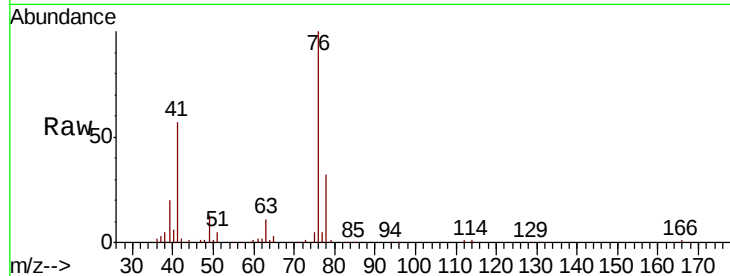
#57
 1,3-Dichloropropane
 Concen: 19.10 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX004590.D
 Acq: 15 Sep 2018 17:47

Instrument :
 MSVOA_X
 ClientSampled :
 VX0915WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3

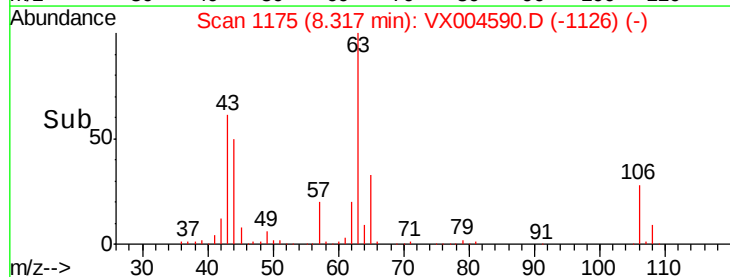
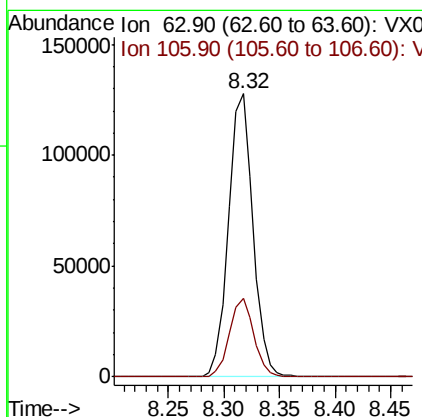
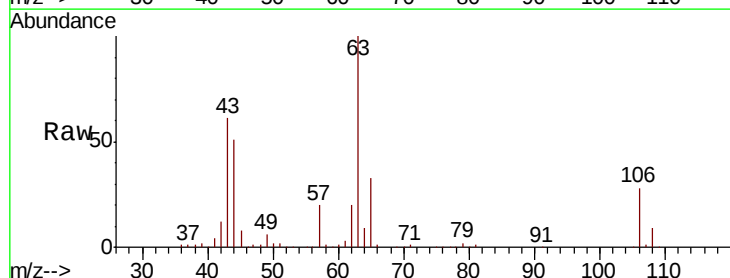
Manual Integrations
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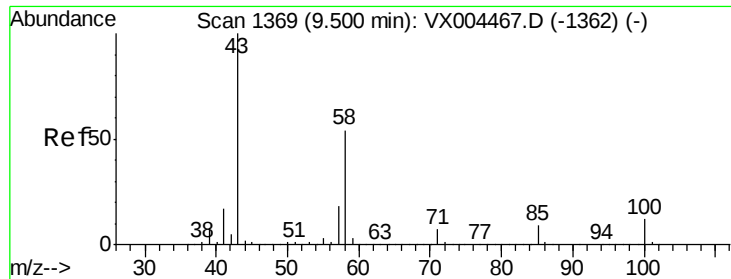
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#58
 2-Chloroethyl Vinyl ether
 Concen: 97.97 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VX004590.D
 Acq: 15 Sep 2018 17:47

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.8	23.9	35.9





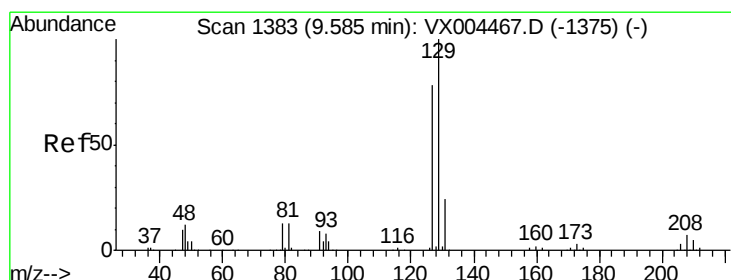
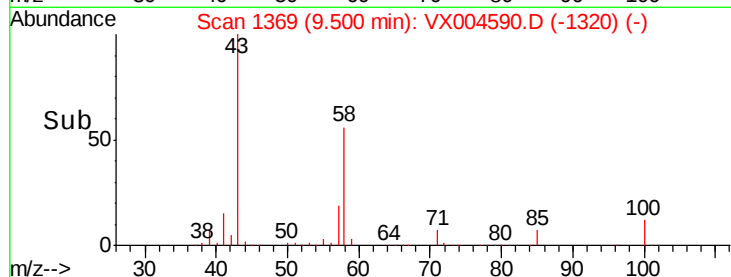
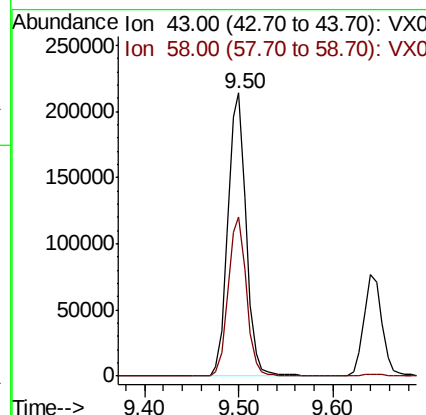
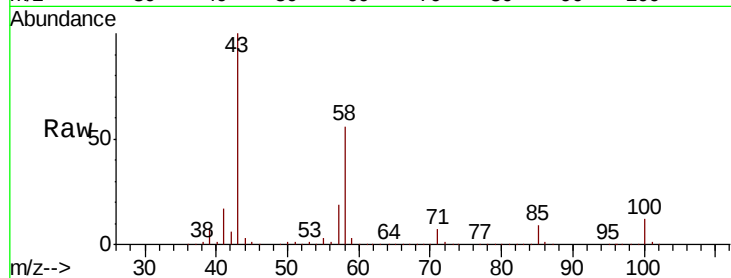
#59
2-Hexanone
Concen: 91.33 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX004590.D
Acq: 15 Sep 2018 17:47

Instrument :
MSVOA_X
ClientSampleId :
VX0915WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.3	29.0	87.0

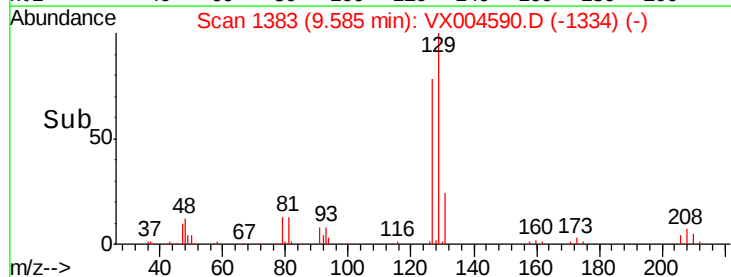
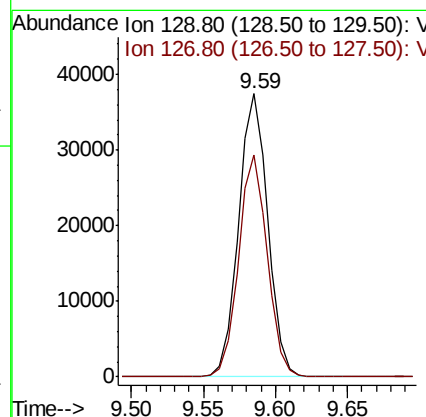
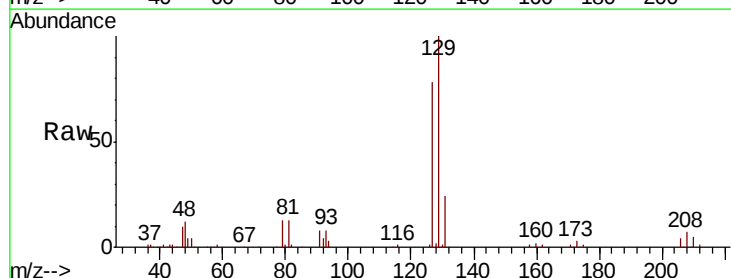
Manual Integrations
APPROVED

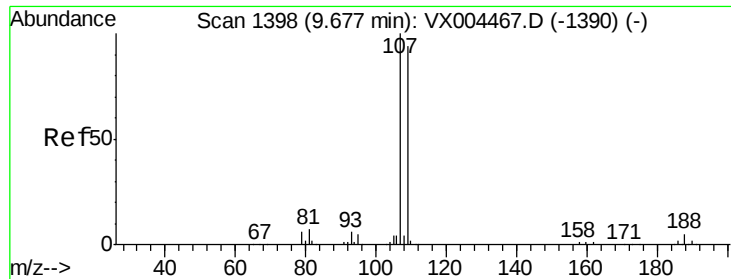
MMDadoda
9/17/2018 6:27:27 PM



#60
Dibromochloromethane
Concen: 19.38 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX004590.D
Acq: 15 Sep 2018 17:47

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.5	115.5





#61

1,2-Dibromoethane

Concen: 20.19 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VX004590.D

Acq: 15 Sep 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

VX0915WBSD01

Tot Ion:107 Resp: 55728

Ion Ratio Lower Upper

107 100

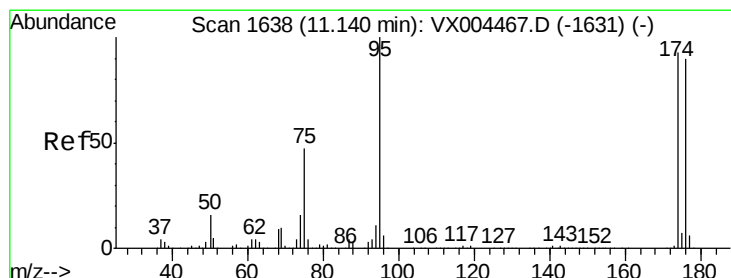
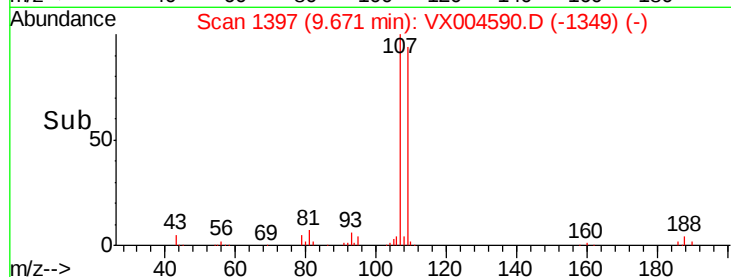
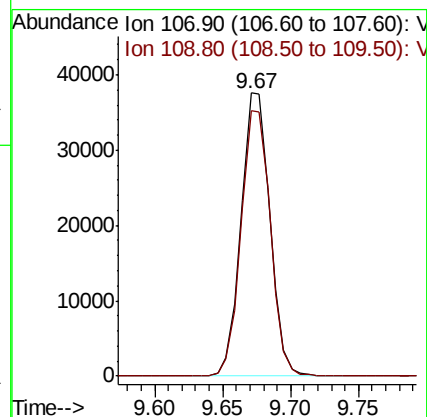
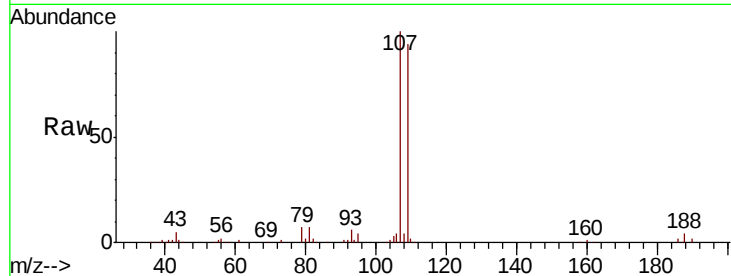
109 95.1 76.0 114.0

Manual Integrations

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MMDadoda

9/17/2018 6:27:27 PM



#62

4-Bromofluorobenzene

Concen: 50.18 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004590.D

Acq: 15 Sep 2018 17:47

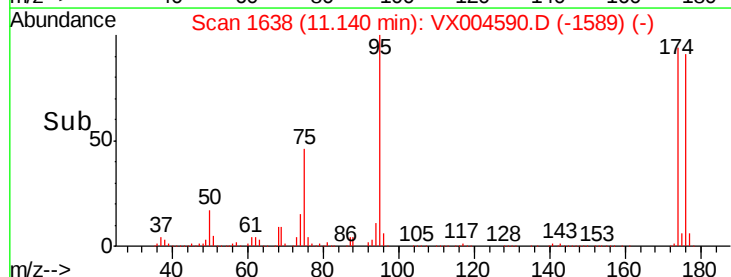
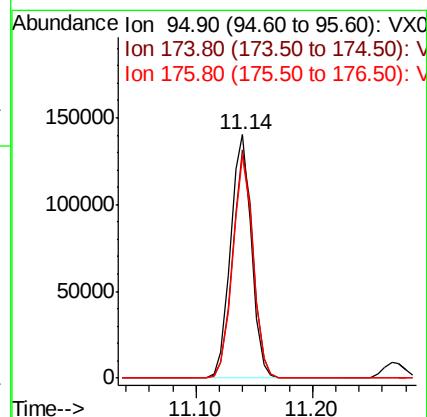
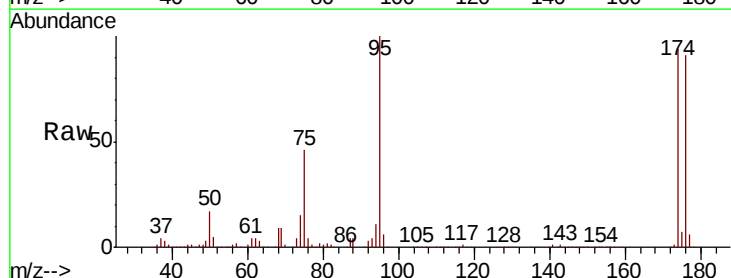
Tgt Ion: 95 Resp: 173830

Ion Ratio Lower Upper

95 100

174 92.3 0.0 185.2

176 89.3 0.0 178.6





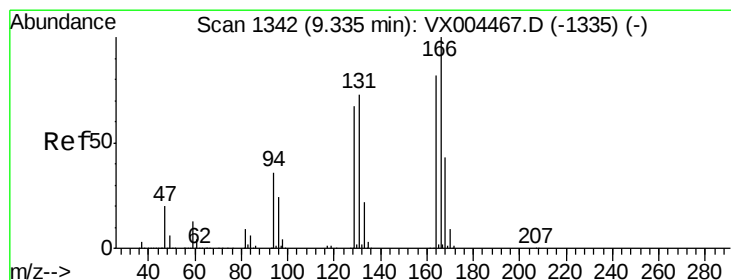
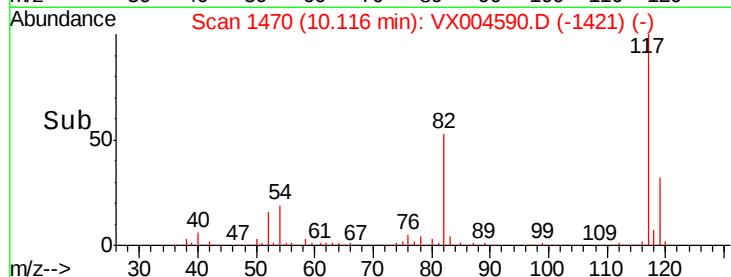
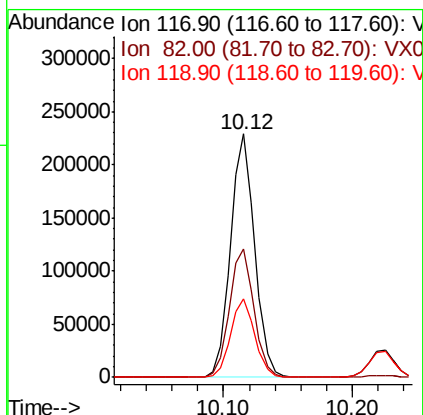
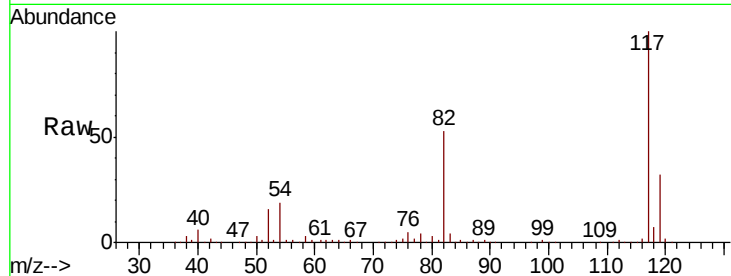
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004590.D
Acq: 15 Sep 2018 17:47

Instrument :
MSVOA_X
ClientSampleId :
VX0915WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	47.8	71.6
119	32.0	29.3	43.9

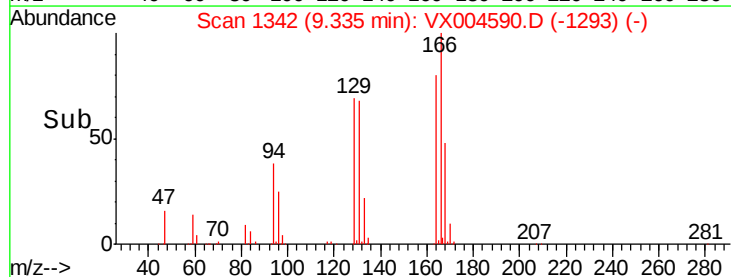
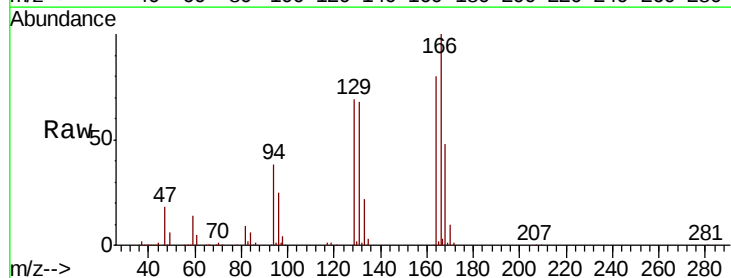
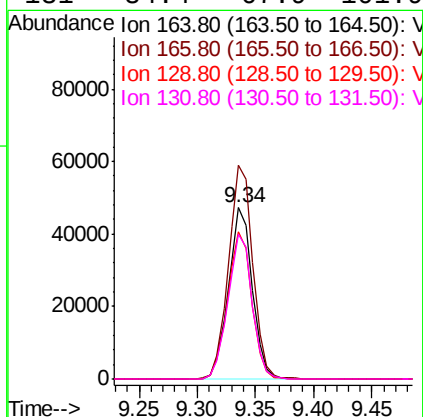
Manual Integrations
APPROVED

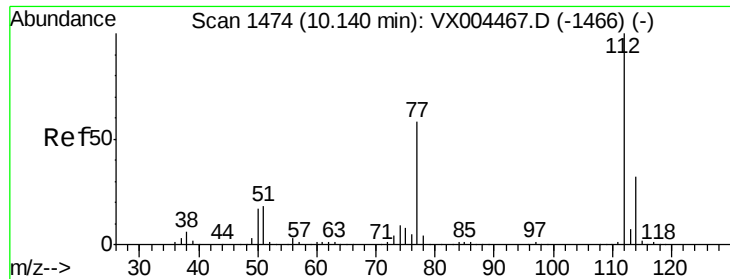
MMDadoda
9/17/2018 6:27:27 PM



#64
Tetrachloroethene
Concen: 17.90 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX004590.D
Acq: 15 Sep 2018 17:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.8	102.8	154.2
129	86.0	69.4	104.0
131	84.4	67.9	101.9





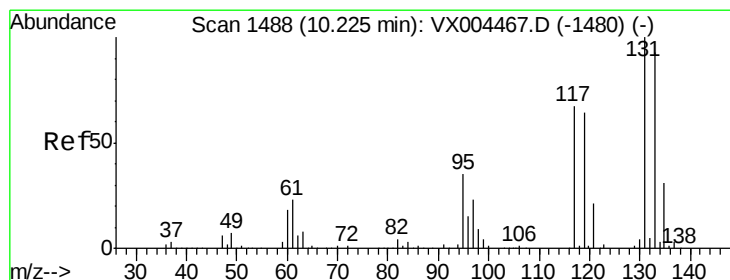
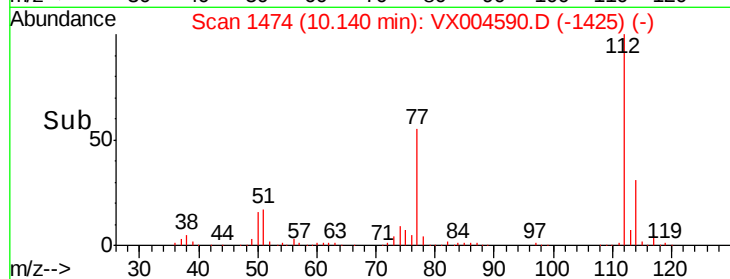
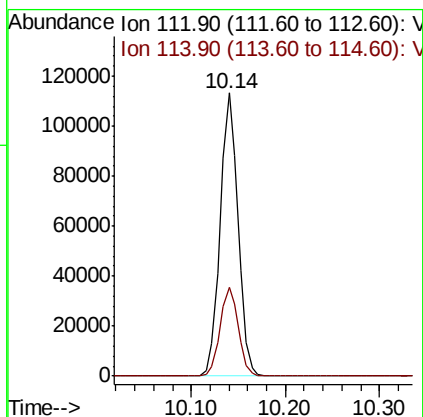
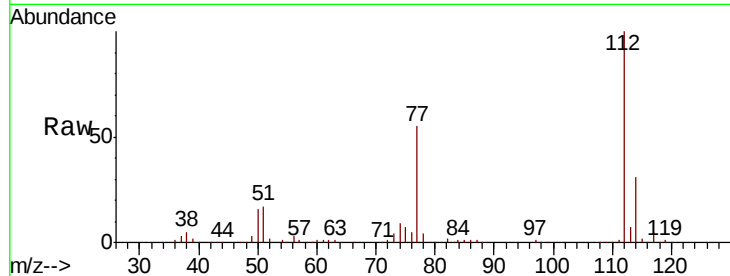
#65
Chlorobenzene
Concen: 19.93 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX004590.D
Acq: 15 Sep 2018 17:47

Instrument :
MSVOA_X
ClientSampleId :
VX0915WBSD01

Tot Ion:112 Resp: 148877
Ion Ratio Lower Upper
112 100
114 31.4 27.8 41.8

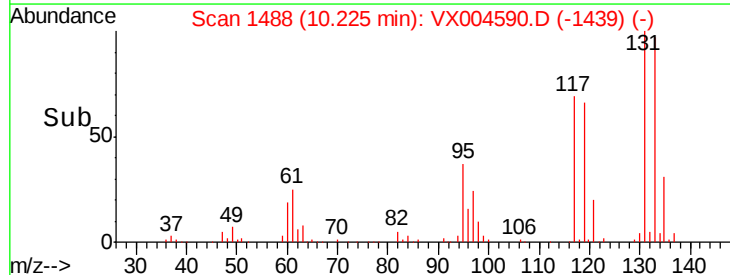
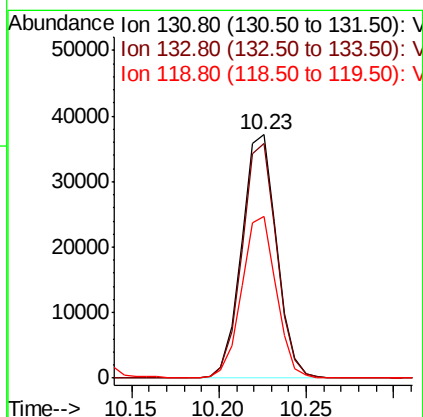
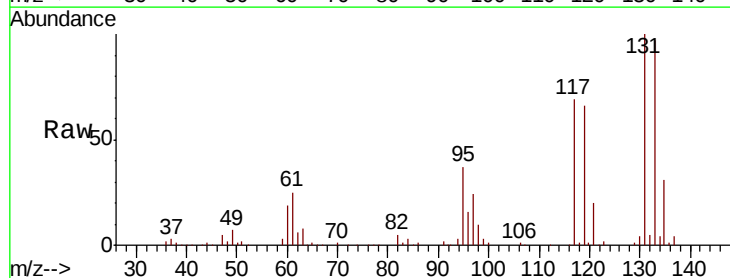
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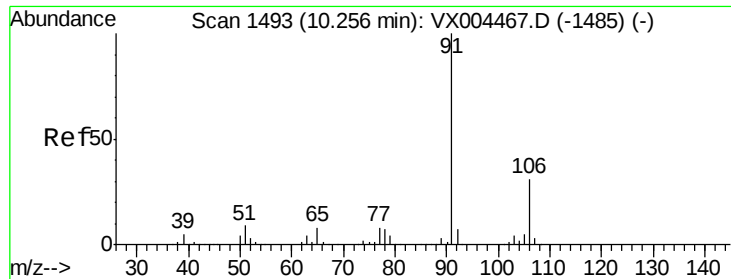
MMDadoda
9/17/2018 6:27:27 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.07 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VX004590.D
Acq: 15 Sep 2018 17:47

Tgt Ion:131 Resp: 51705
Ion Ratio Lower Upper
131 100
133 95.5 48.1 144.4
119 65.7 32.9 98.6





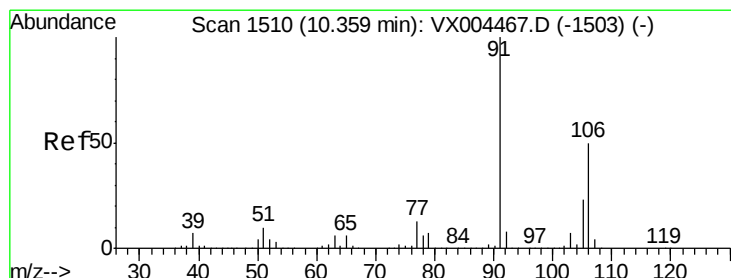
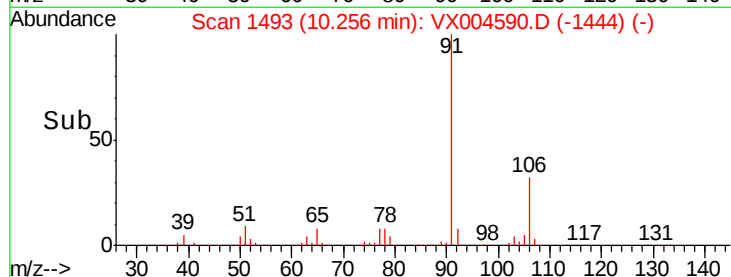
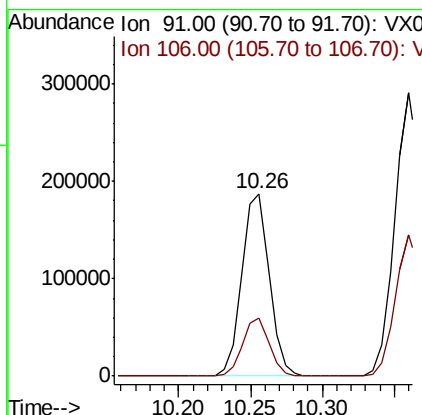
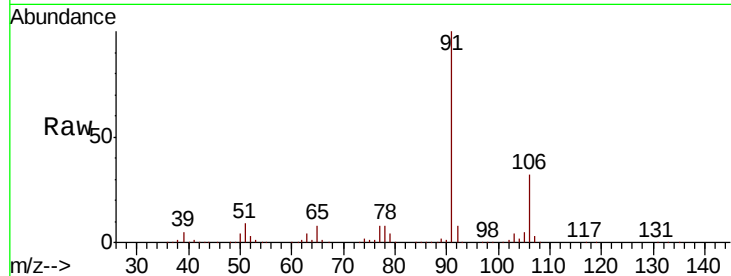
#67
Ethyl Benzene
Concen: 20.38 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VX004590.D
Acq: 15 Sep 2018 17:47

Instrument :
MSVOA_X
ClientSampleId :
VX0915WBSD01

Tot Ion: 91 Resp: 247502
Ion Ratio Lower Upper
91 100
106 31.9 25.9 38.9

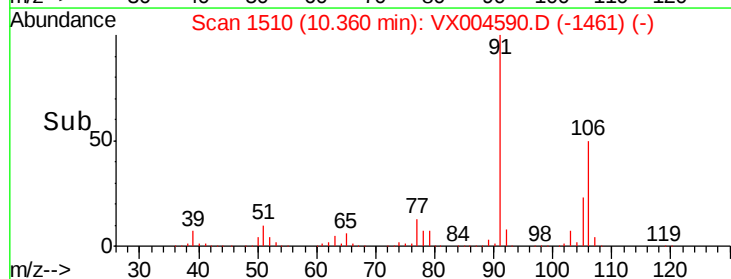
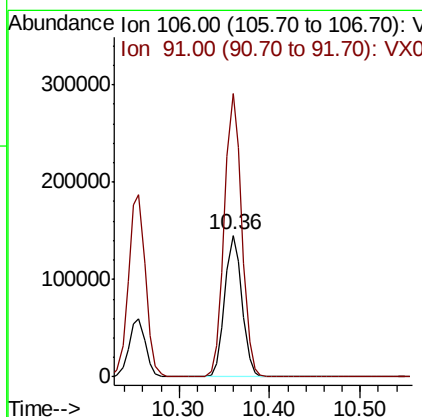
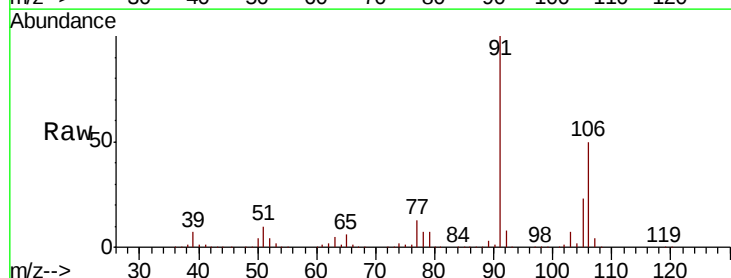
Manual Integrations
APPROVED

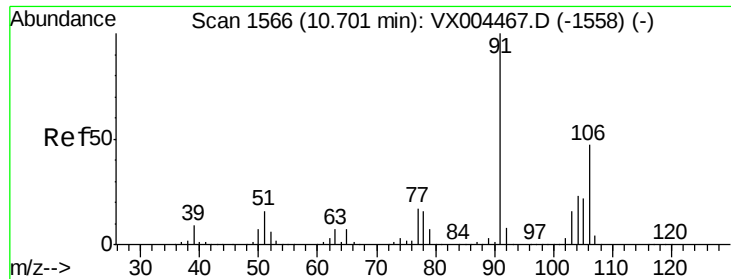
MMDadoda
9/17/2018 6:27:27 PM



#68
m/p-Xylenes
Concen: 41.26 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX004590.D
Acq: 15 Sep 2018 17:47

Tgt Ion: 106 Resp: 193059
Ion Ratio Lower Upper
106 100
91 201.1 157.1 235.7





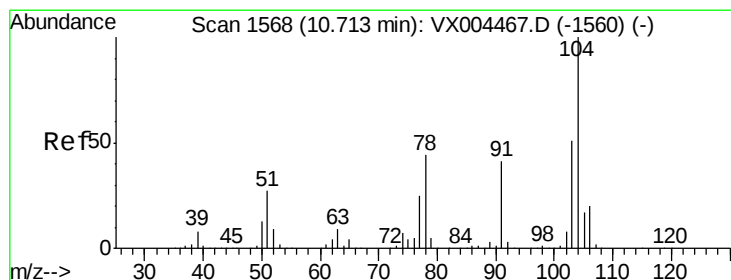
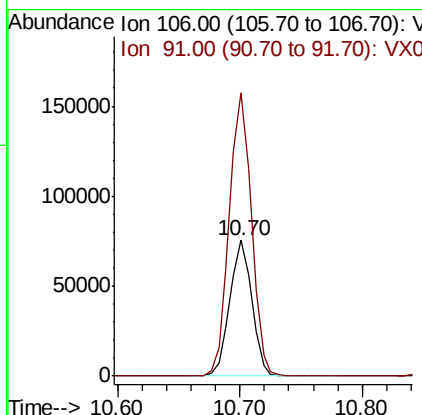
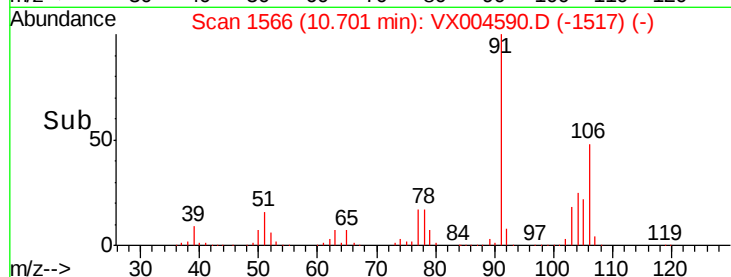
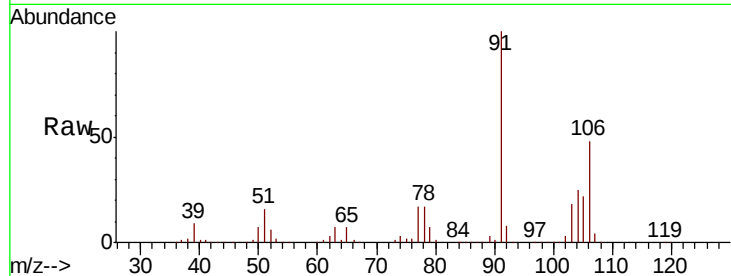
#69
o-Xylene
Concen: 20.77 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004590.D
Acq: 15 Sep 2018 17:47

Instrument :
MSVOA_X
ClientSampled :
VX0915WBSD01

Tot Ion:106 Resp: 93419
Ion Ratio Lower Upper
106 100
91 210.9 105.1 315.1

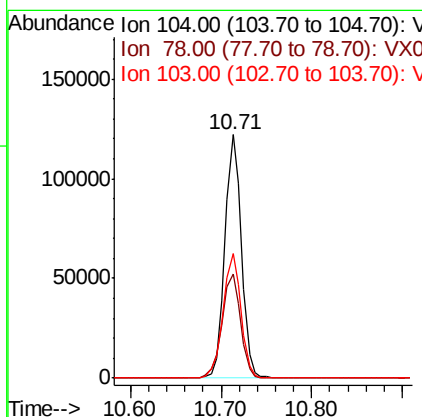
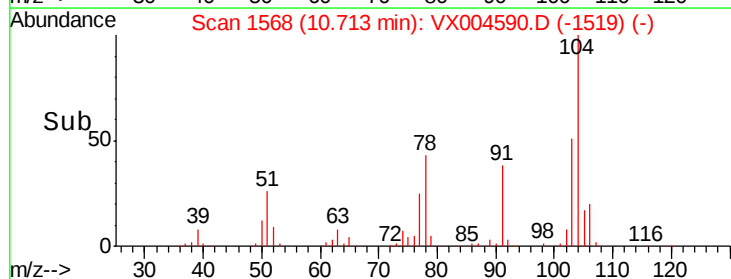
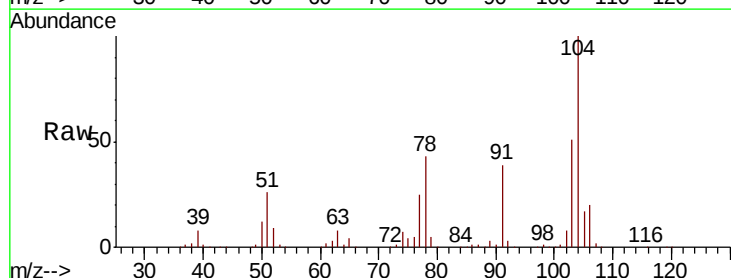
Manual Integrations
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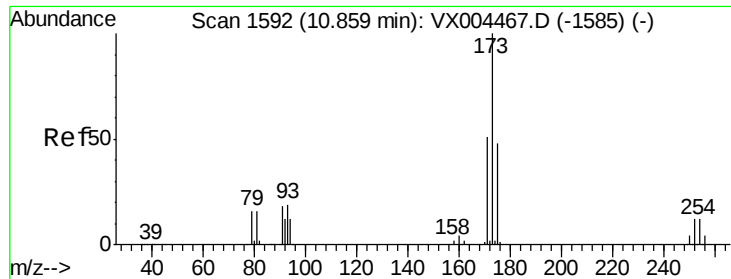
MMDadoda
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#70
Styrene
Concen: 20.86 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004590.D
Acq: 15 Sep 2018 17:47

Tgt Ion:104 Resp: 155426
Ion Ratio Lower Upper
104 100
78 47.8 37.4 56.0
103 55.4 43.8 65.6





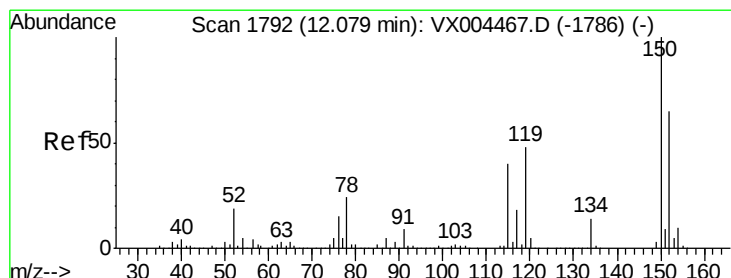
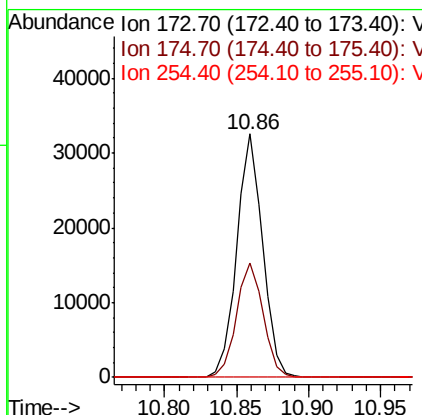
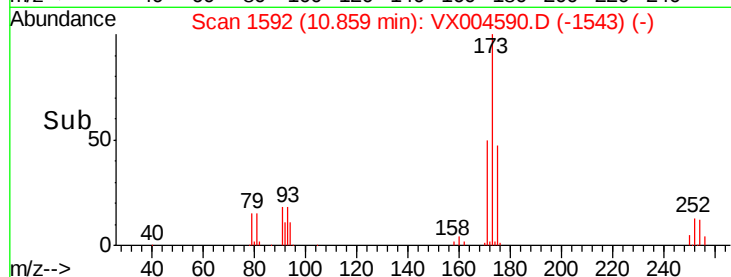
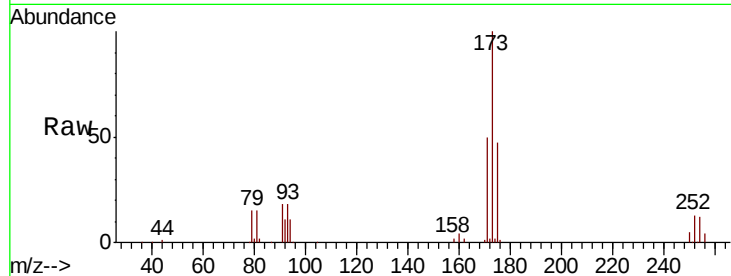
#71
Bromoform
Concen: 19.28 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX004590.D
Acq: 15 Sep 2018 17:47

Instrument :
MSVOA_X
ClientSampleId :
VX0915WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.1	72.3
254	0.0	0.2	0.2

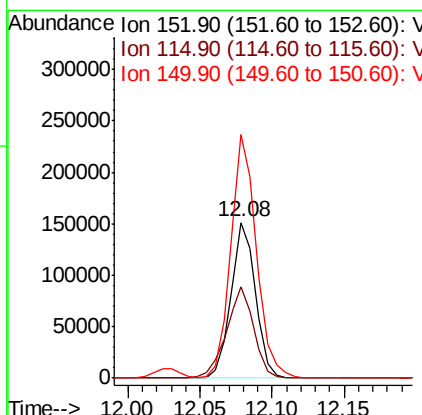
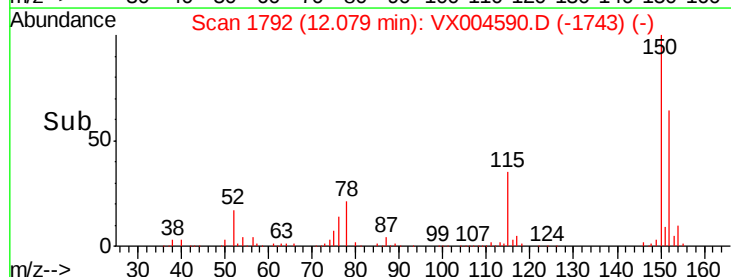
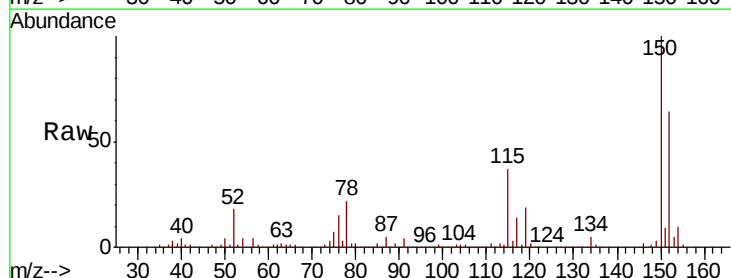
Manual Integrations
APPROVED

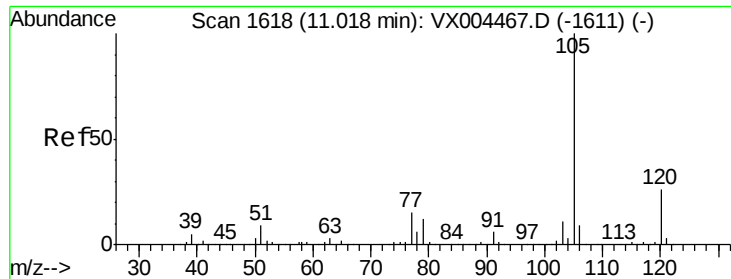
MMDadoda
9/17/2018 6:27:27 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004590.D
Acq: 15 Sep 2018 17:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.9	39.0	117.0
150	163.9	0.0	351.0





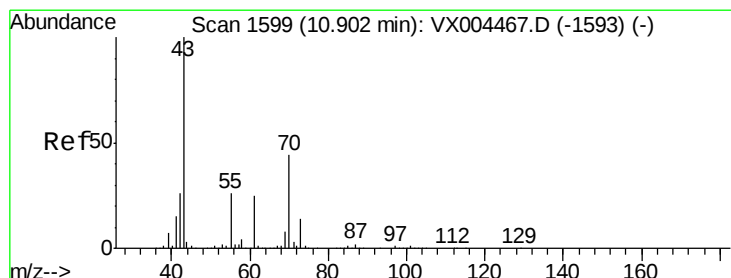
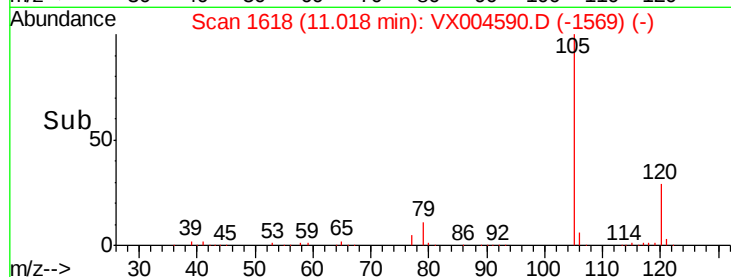
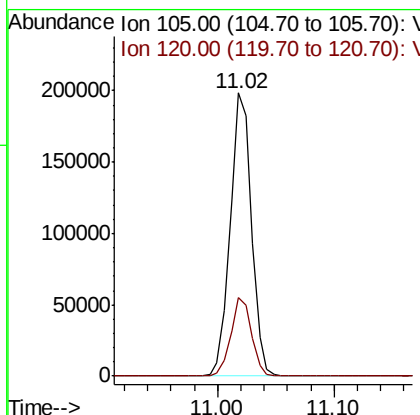
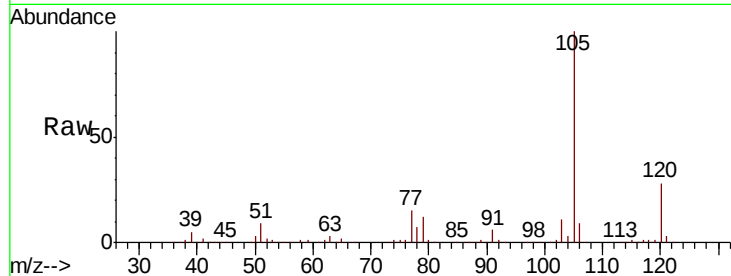
#73
Isopropylbenzene
Concen: 21.19 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX004590.D
Acq: 15 Sep 2018 17:47

Instrument :
MSVOA_X
ClientSampleId :
VX0915WBSD01

Tot Ion: 105 Resp: 251793
Ion Ratio Lower Upper
105 100
120 27.2 13.5 40.4

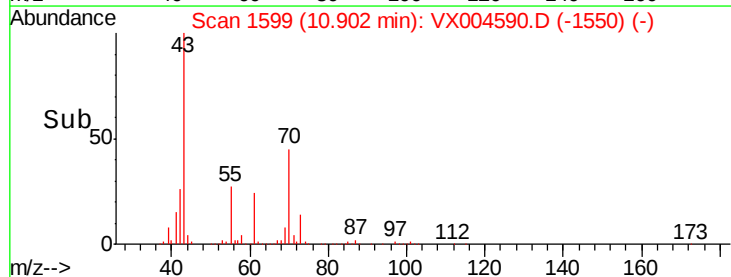
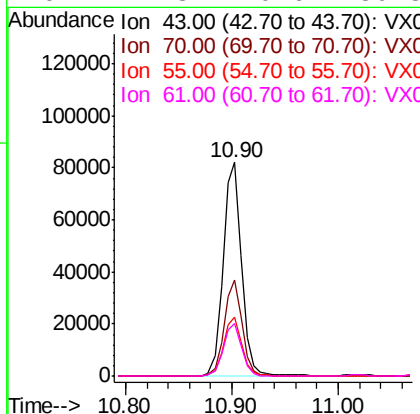
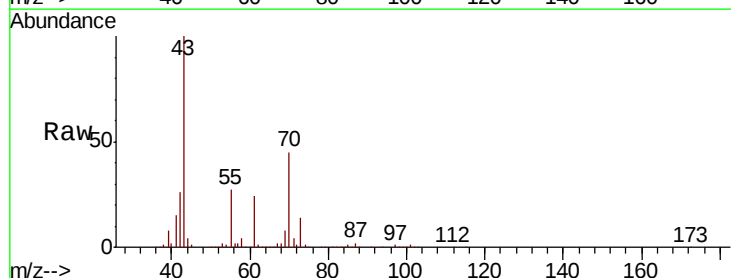
Manual Integrations
APPROVED

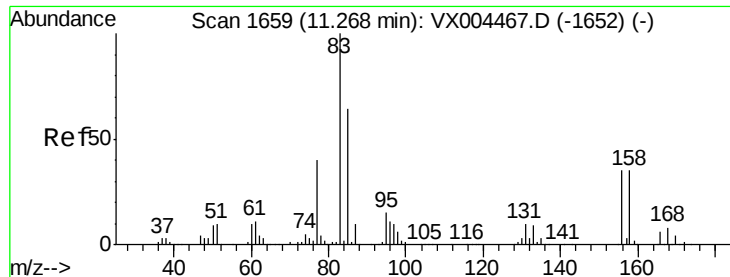
MMDadoda
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#74
N-ethyl acetate
Concen: 19.80 ug/l
RT: 10.90 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VX004590.D
Acq: 15 Sep 2018 17:47

Tgt Ion: 43 Resp: 99024
Ion Ratio Lower Upper
43 100
70 43.8 37.4 56.0
55 27.3 21.8 32.8
61 24.3 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.54 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX004590.D

Acq: 15 Sep 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

VX0915WBSD01

Tot Ion: 83 Resp: 78738

Ion Ratio Lower Upper

83 100

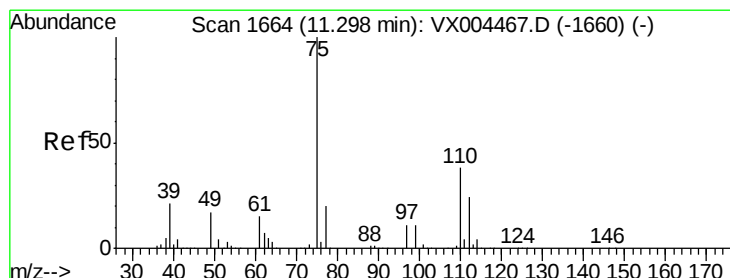
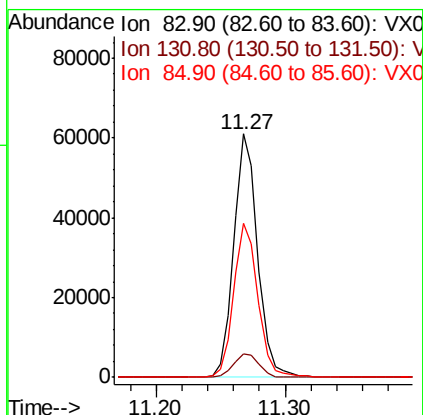
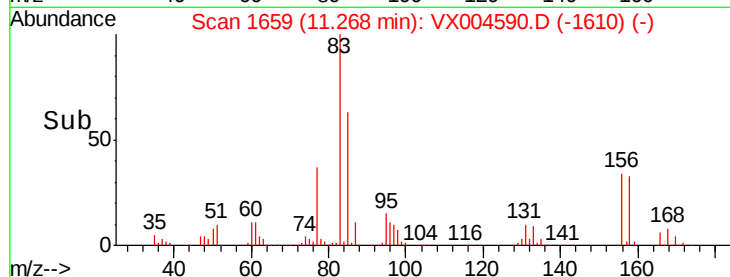
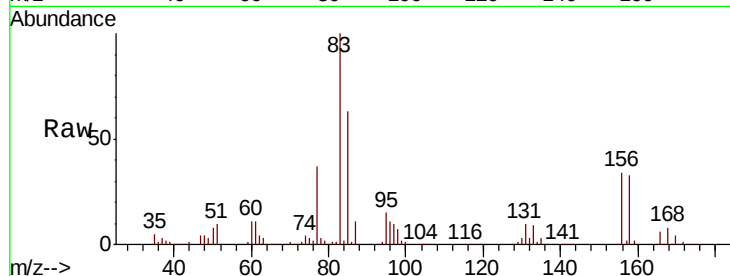
131 10.5 5.2 15.6

85 64.3 32.3 96.8

Manual Integrations
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MMDadoda

9/17/2018 6:27:27 PM



#76

1,2,3-Trichloropropane

Concen: 19.92 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX004590.D

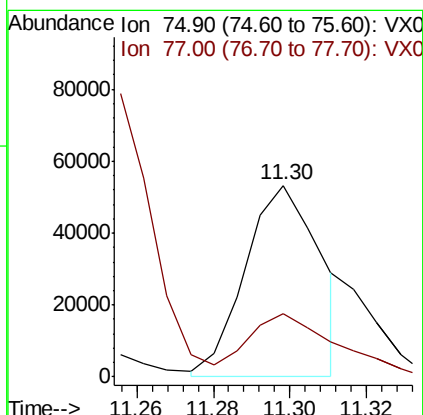
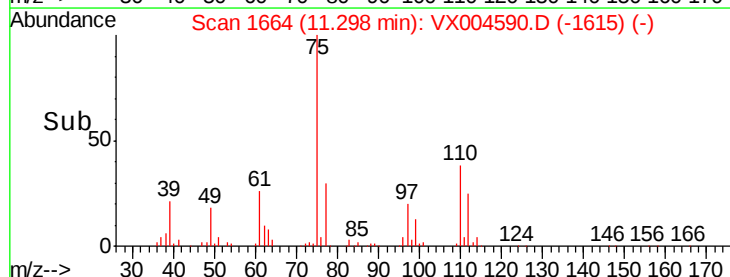
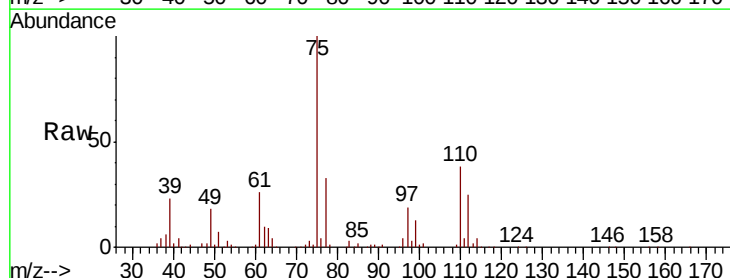
Acq: 15 Sep 2018 17:47

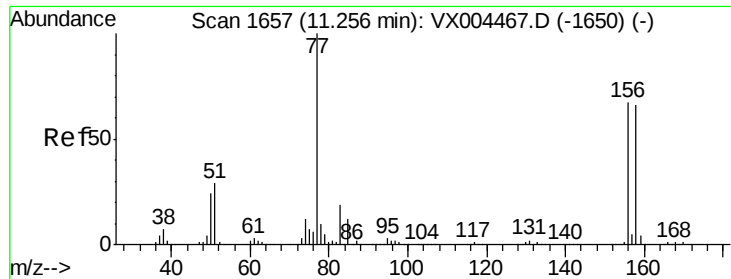
Tgt Ion: 75 Resp: 72338

Ion Ratio Lower Upper

75 100

77 39.3 20.2 60.6





#77

Bromobenzene

Concen: 20.64 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX004590.D

Acq: 15 Sep 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

VX0915WBSD01

Tot Ion:156 Resp: 67803

Ion Ratio Lower Upper

156 100

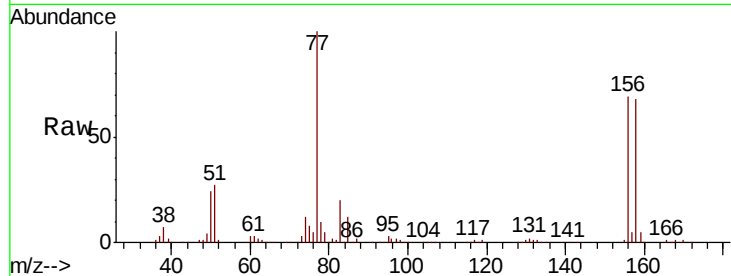
77 145.0 71.5 214.3

158 97.1 48.9 146.8

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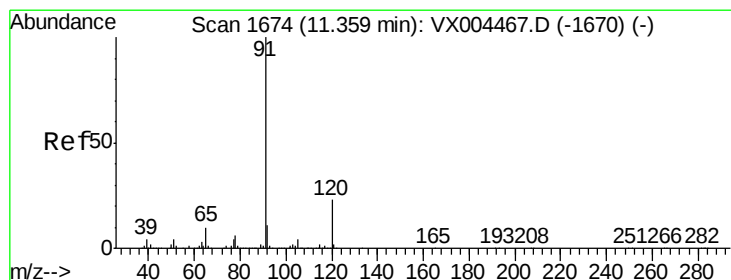
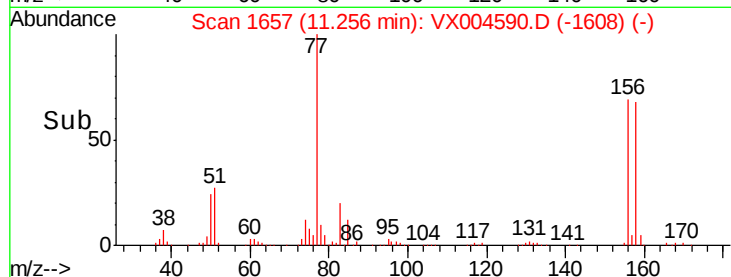
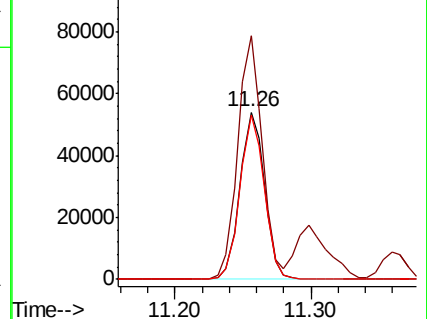
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.92 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004590.D

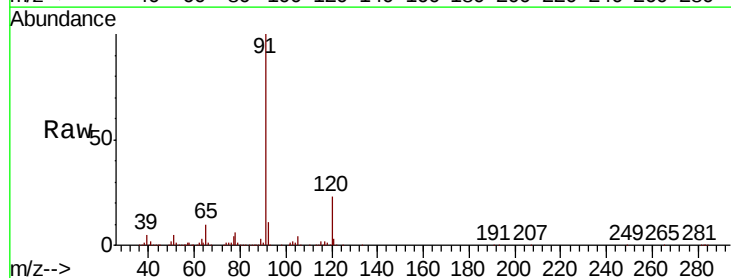
Acq: 15 Sep 2018 17:47

Tgt Ion: 91 Resp: 285851

Ion Ratio Lower Upper

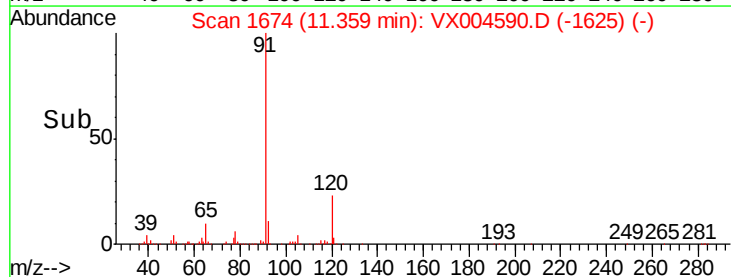
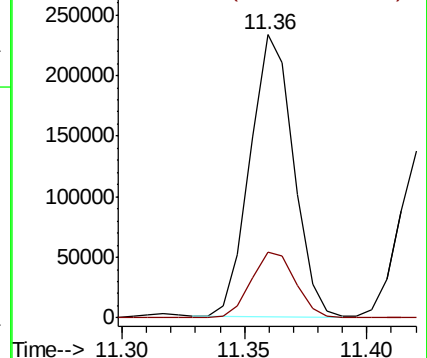
91 100

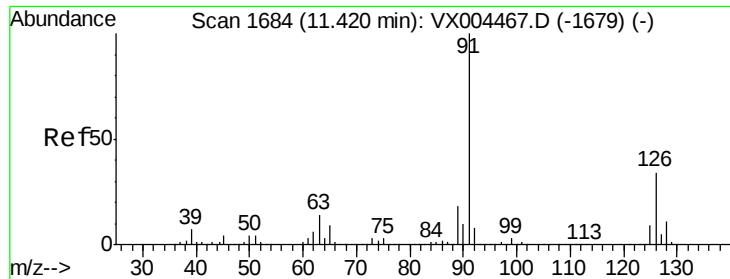
120 23.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.62 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX004590.D

Acq: 15 Sep 2018 17:47

Instrument :

MSVOA_X

ClientSampled :

VX0915WBSD01

Tot Ion: 91 Resp: 170914

Ion Ratio Lower Upper

91 100

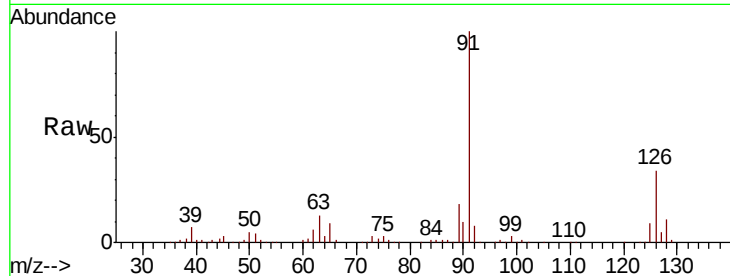
126 35.4 17.9 53.7

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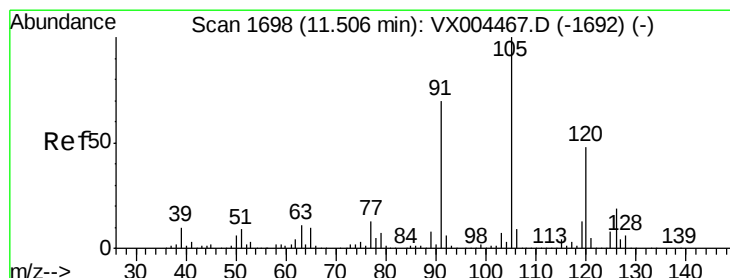
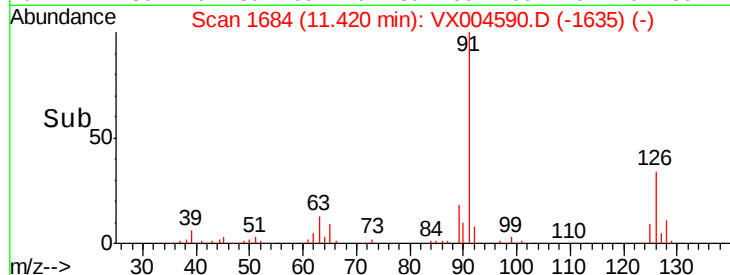
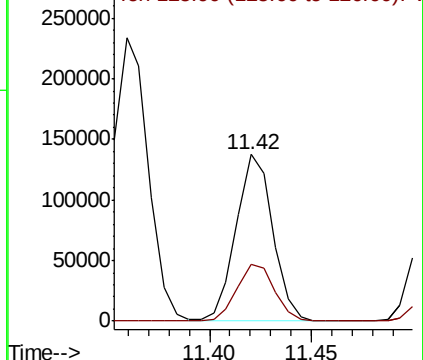
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.09 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004590.D

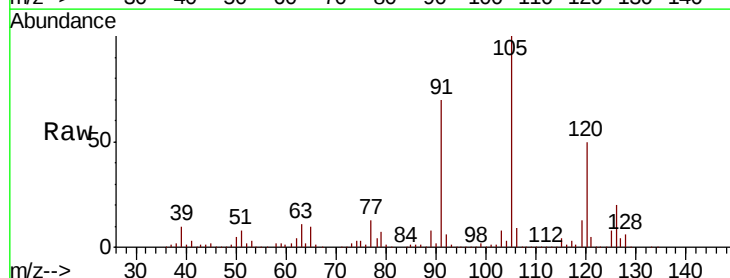
Acq: 15 Sep 2018 17:47

Tgt Ion:105 Resp: 210694

Ion Ratio Lower Upper

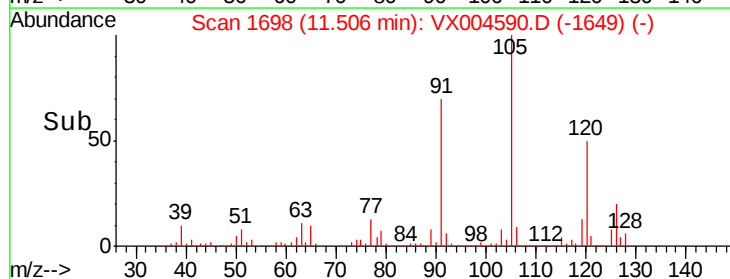
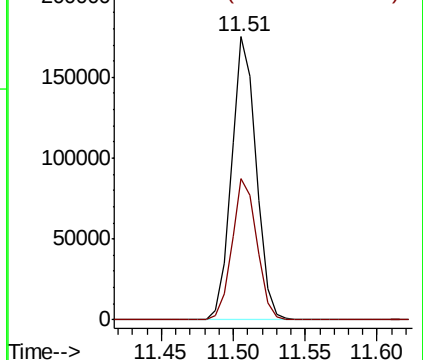
105 100

120 50.2 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.47 ug/l

RT: 11.08 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VX004590.D

Acq: 15 Sep 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

VX0915WBSD01

Tot Ion: 75 Resp: 19898

Ion Ratio Lower Upper

75 100

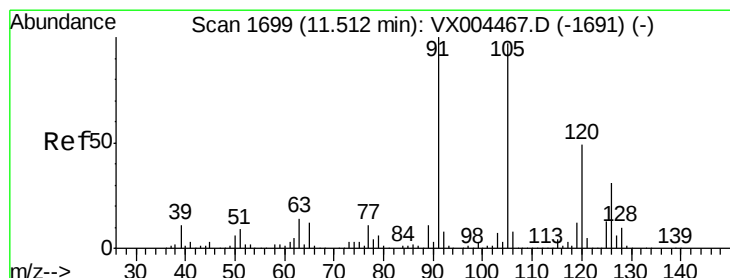
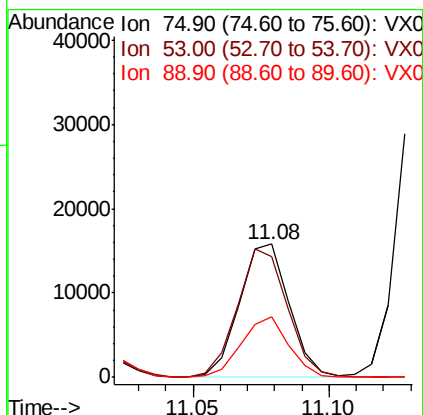
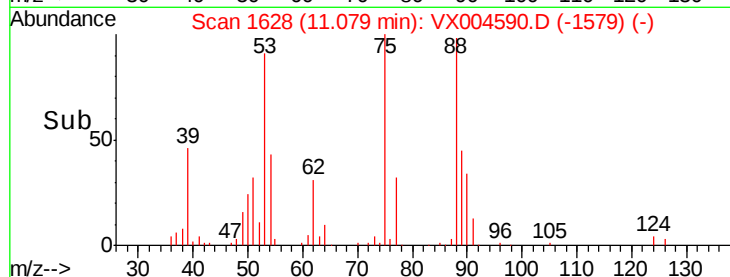
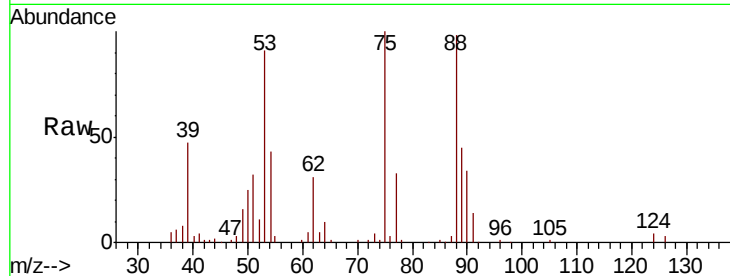
53 98.2 80.1 120.1

89 43.6 37.2 55.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.64 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX004590.D

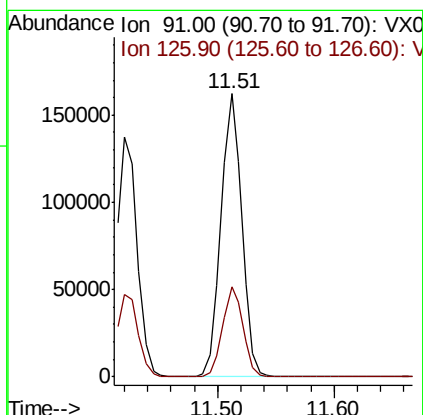
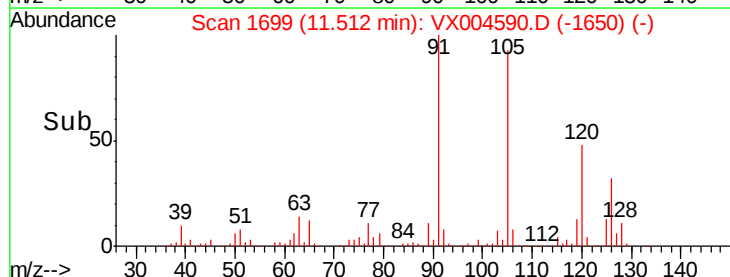
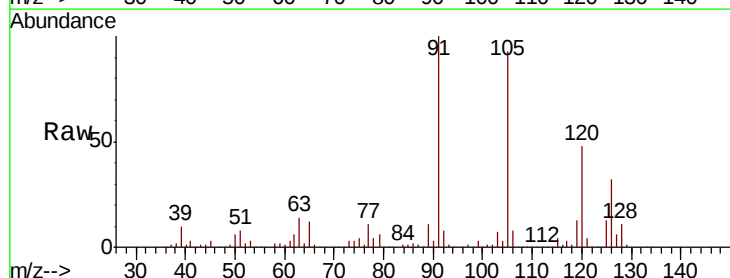
Acq: 15 Sep 2018 17:47

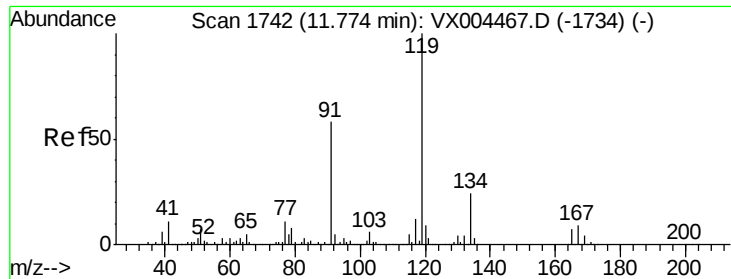
Tgt Ion: 91 Resp: 199671

Ion Ratio Lower Upper

91 100

126 31.3 15.5 46.5





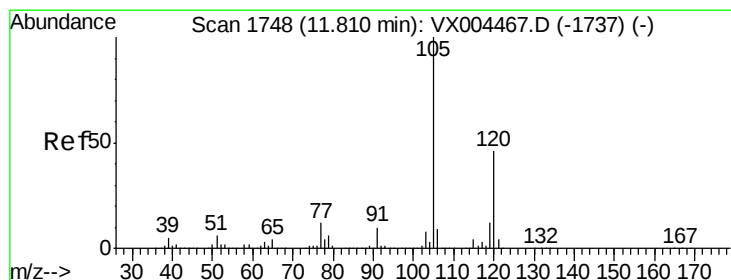
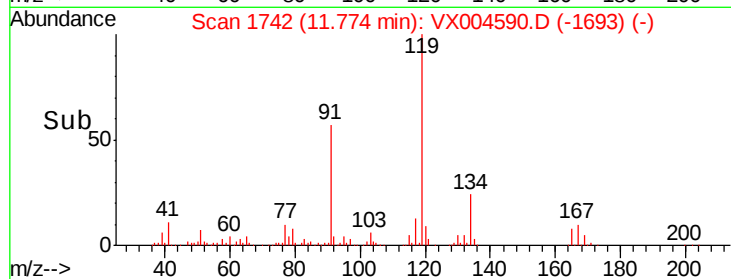
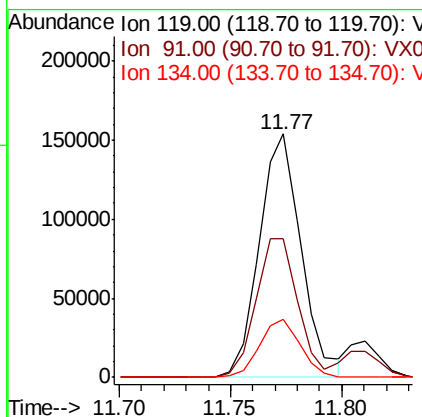
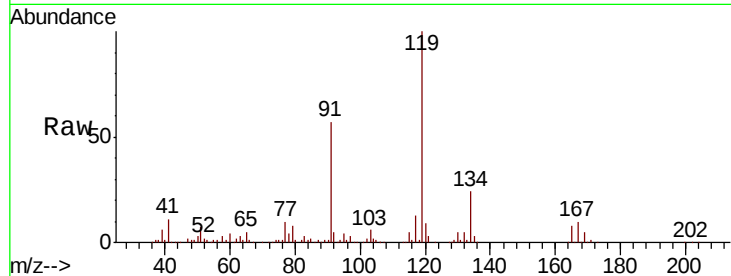
#83
 tert-Butylbenzene
 Concen: 21.16 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX004590.D
 Acq: 15 Sep 2018 17:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0915WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	201251		
91	57.1	27.0	81.0	
134	23.4	11.7	35.1	

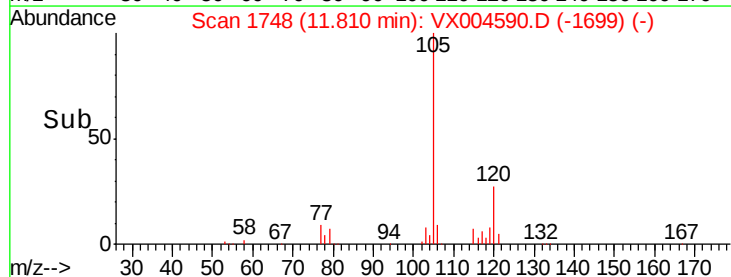
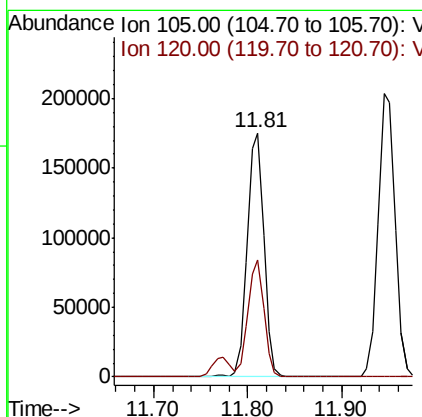
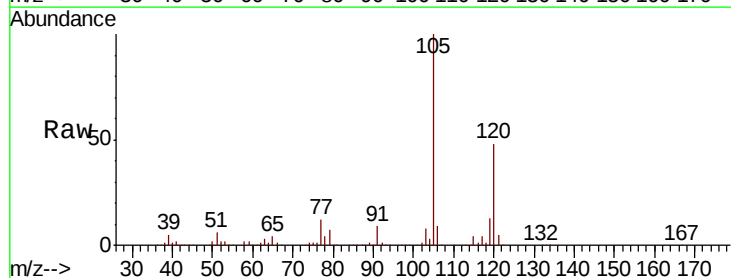
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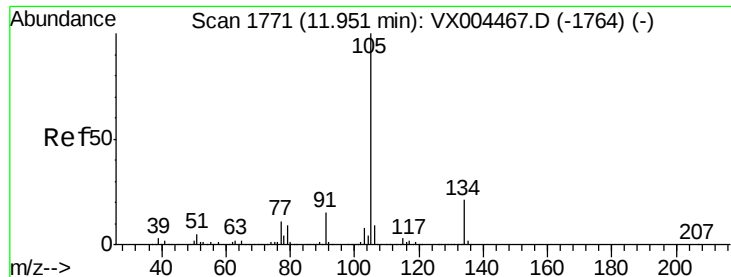
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.30 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004590.D
 Acq: 15 Sep 2018 17:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	217234		
120	46.3	23.2	69.6	





#85

sec-Butylbenzene

Concen: 20.97 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004590.D

Acq: 15 Sep 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

VX0915WBSD01

Tot Ion:105 Resp: 254173

Ion Ratio Lower Upper

105 100

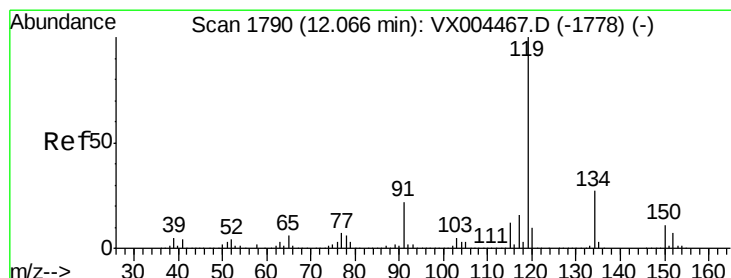
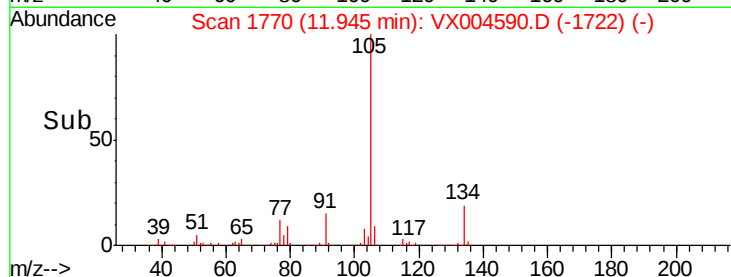
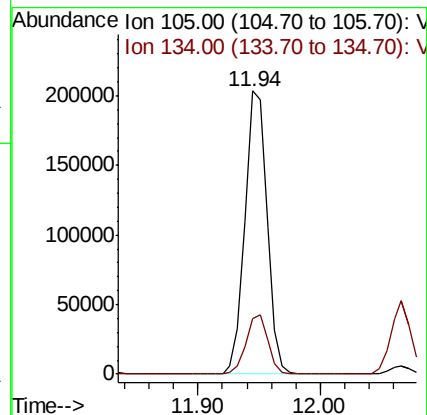
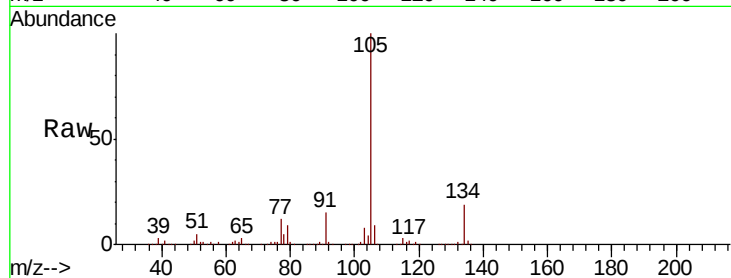
134 20.5 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 20.99 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX004590.D

Acq: 15 Sep 2018 17:47

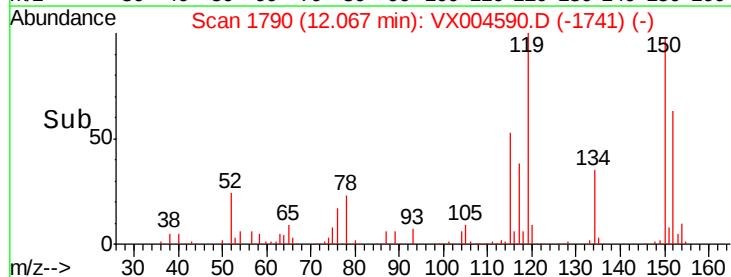
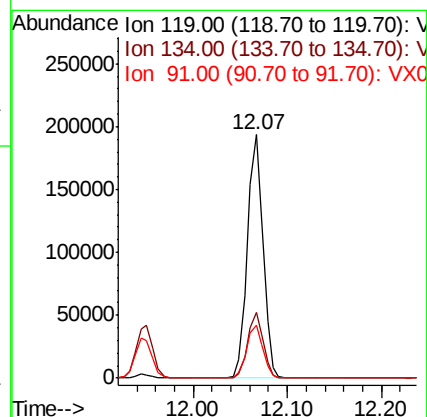
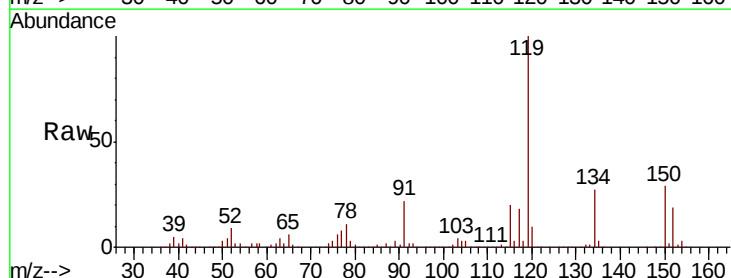
Tgt Ion:119 Resp: 224643

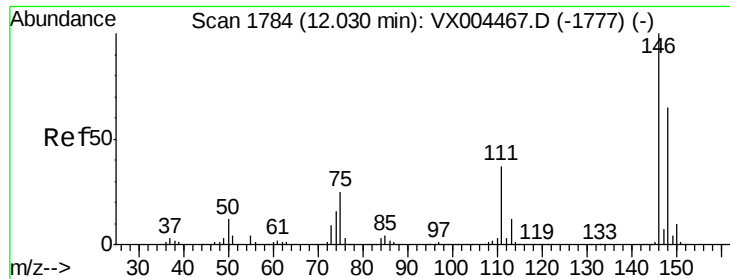
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

91 22.4 10.9 32.7





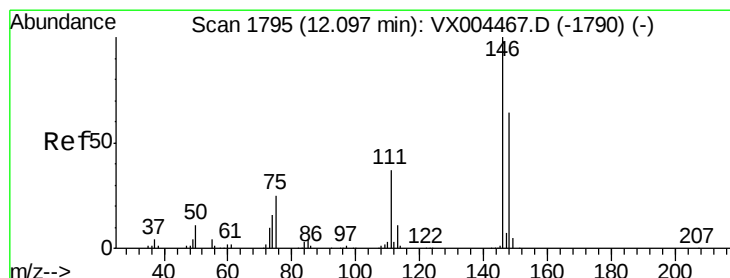
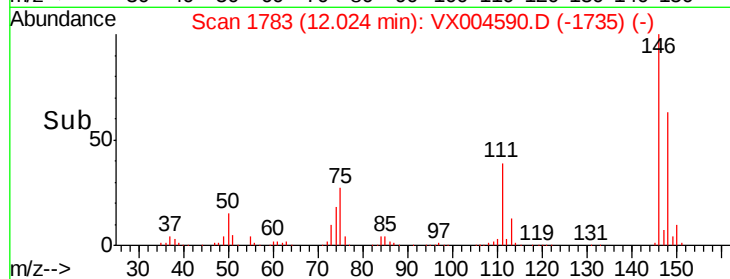
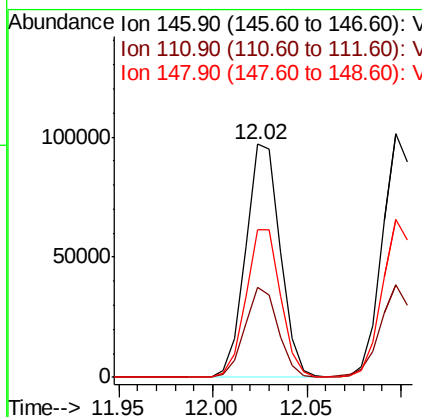
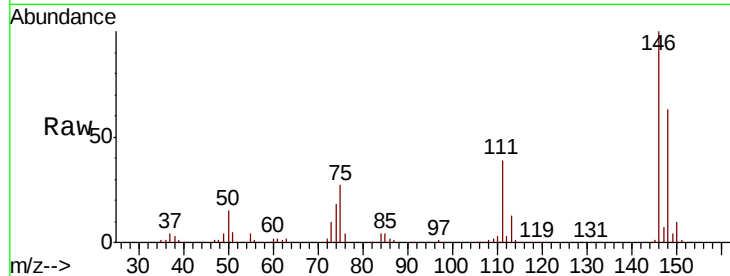
#87
 1,3-Dichlorobenzene
 Concen: 20.15 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX004590.D
 Acq: 15 Sep 2018 17:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0915WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	123516		
111	37.5	18.7	56.1	
148	63.8	32.1	96.5	

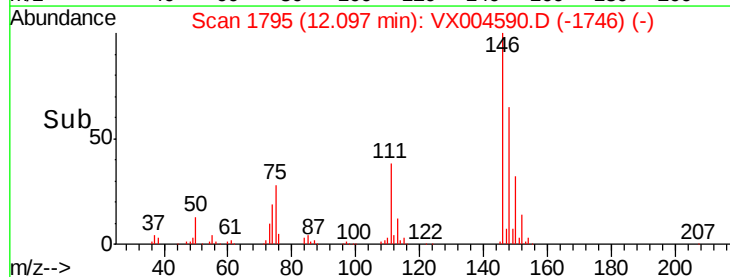
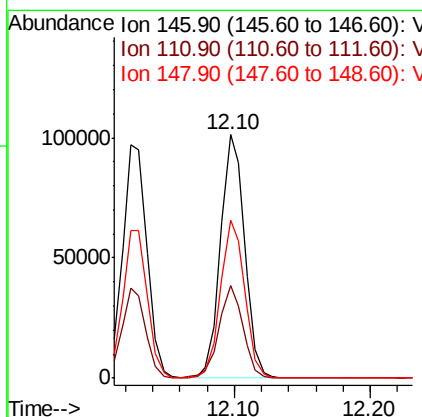
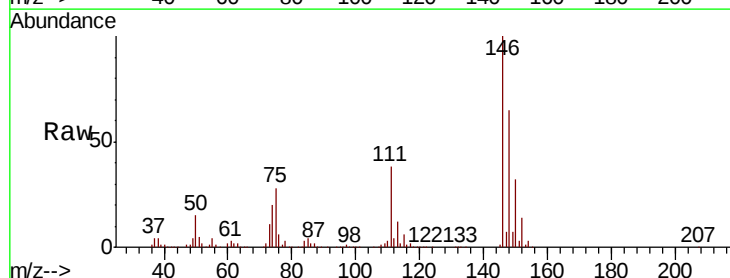
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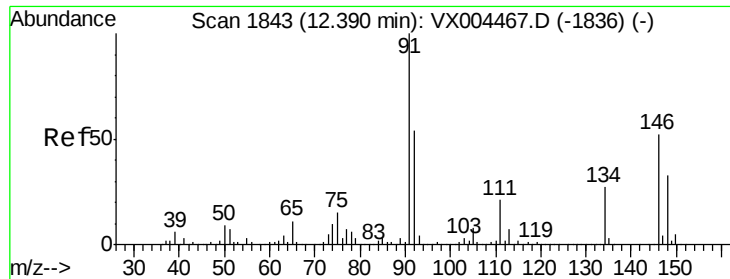
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#88
 1,4-Dichlorobenzene
 Concen: 19.65 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX004590.D
 Acq: 15 Sep 2018 17:47

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	124437		
111	37.7	18.1	54.1	
148	65.1	32.0	96.0	





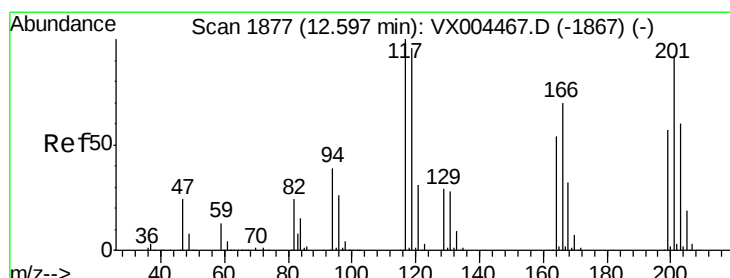
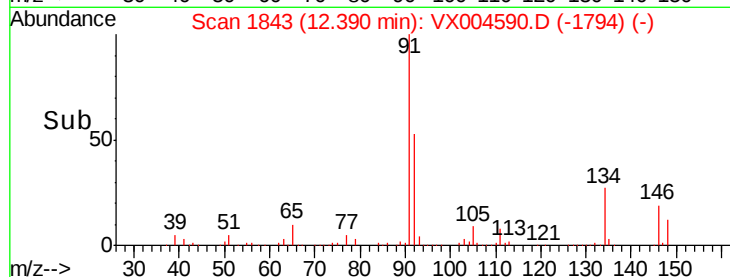
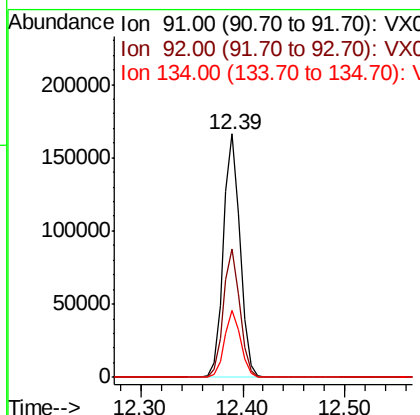
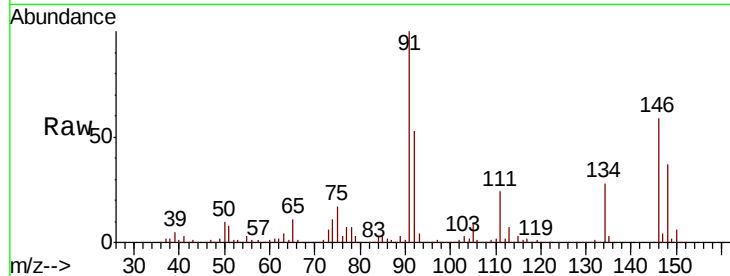
#89
n-Butylbenzene
Concen: 19.43 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX004590.D
Acq: 15 Sep 2018 17:47

Instrument :
MSVOA_X
ClientSampleId :
VX0915WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	189521		
92	52.2	27.3	81.9	
134	26.7	13.6	40.7	

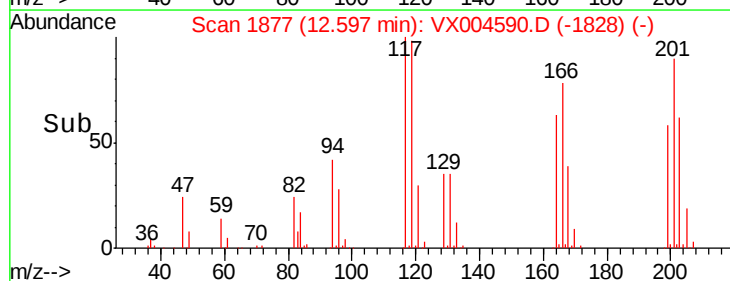
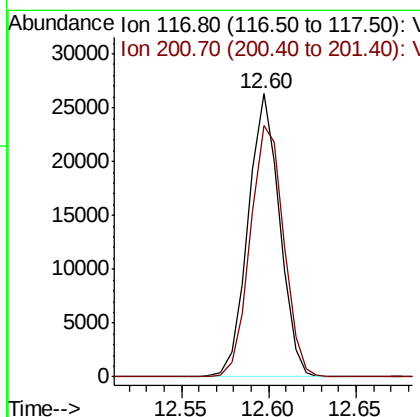
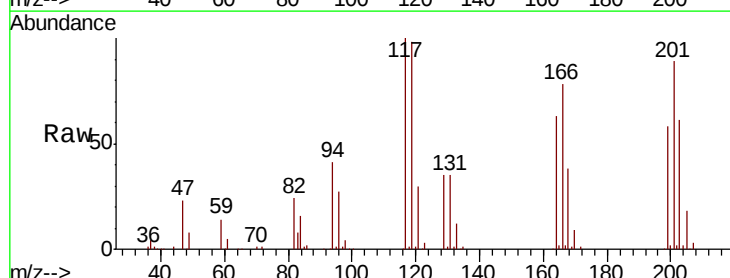
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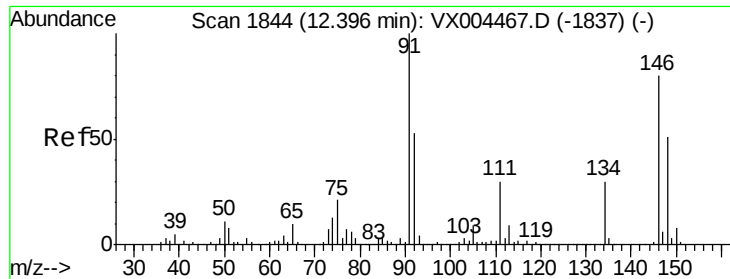
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#90
Hexachloroethane
Concen: 19.22 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX004590.D
Acq: 15 Sep 2018 17:47

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	32935		
201	94.1	46.9	140.6	





#91

1,2-Dichlorobenzene

Concen: 20.05 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VX004590.D

Acq: 15 Sep 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

VX0915WBSD01

Tot Ion: 146 Resp: 124348

Ion Ratio Lower Upper

146 100

111 39.2 19.4 58.1

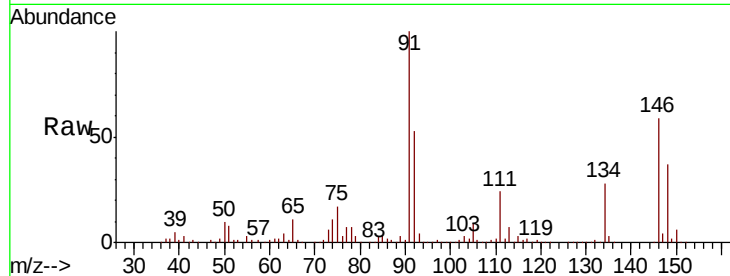
148 64.3 32.8 98.3

Manual Integrations

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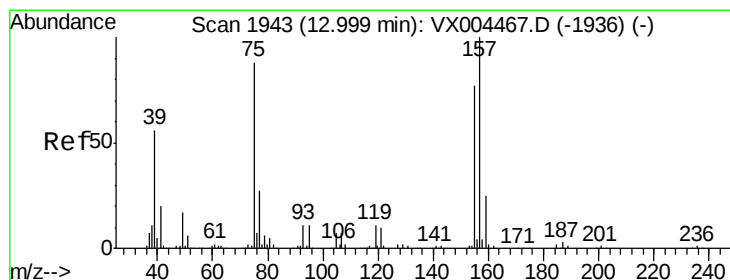
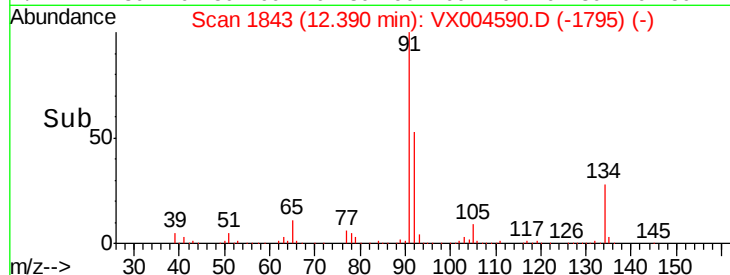
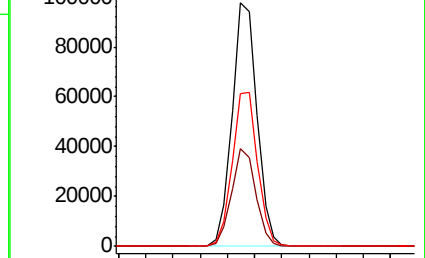
9/17/2018 6:27:27 PM



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.12 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX004590.D

Acq: 15 Sep 2018 17:47

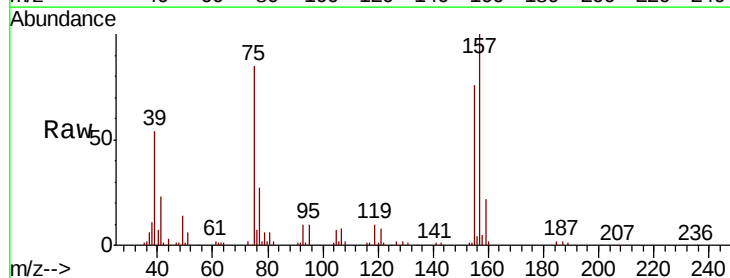
Tgt Ion: 75 Resp: 16472

Ion Ratio Lower Upper

75 100

155 96.2 48.0 144.2

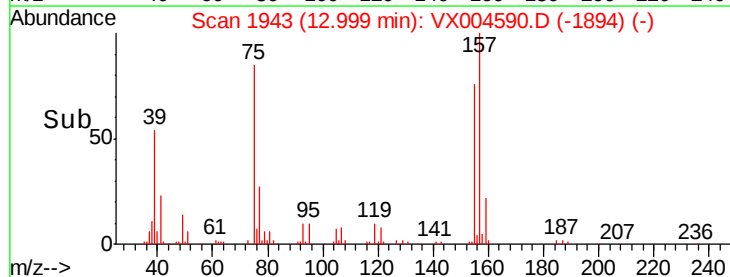
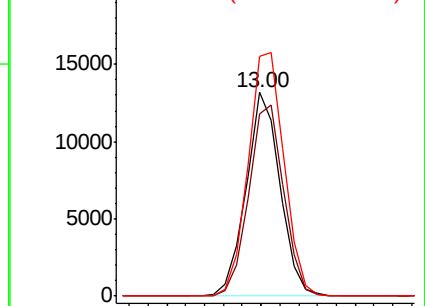
157 126.1 61.4 184.1

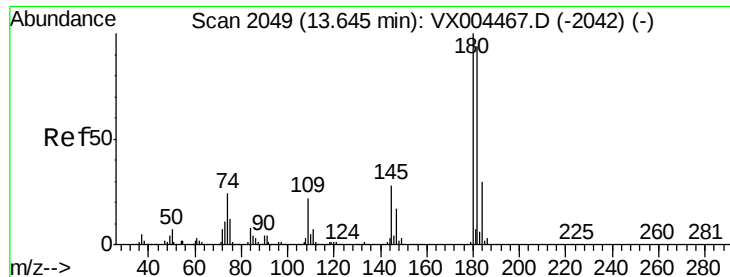


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





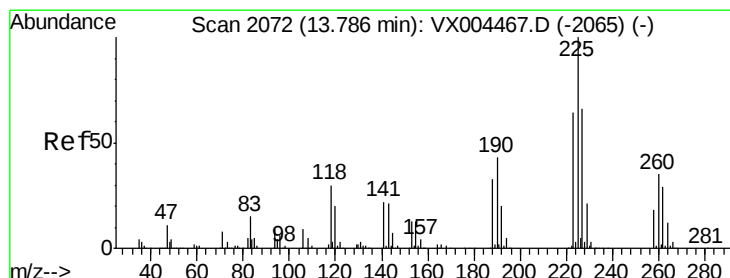
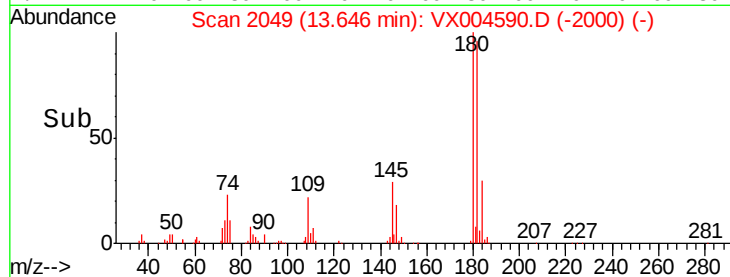
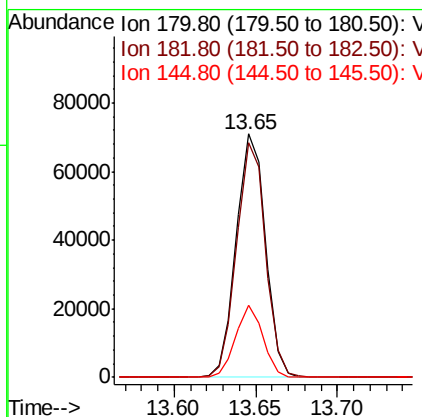
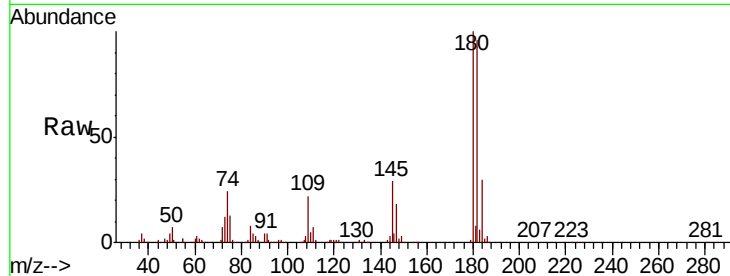
#93
 1,2,4-Trichlorobenzene
 Concen: 20.21 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004590.D
 Acq: 15 Sep 2018 17:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0915WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.2	48.4	145.0	
145	27.6	14.3	42.9	

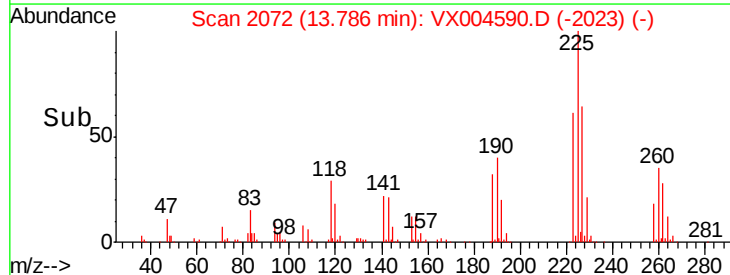
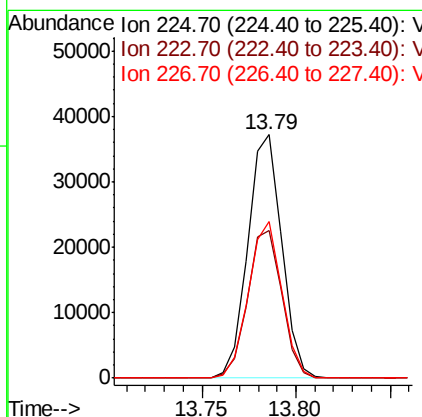
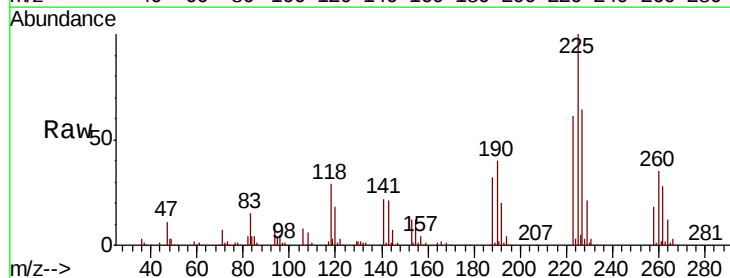
Manual Integrations
 APPROVED

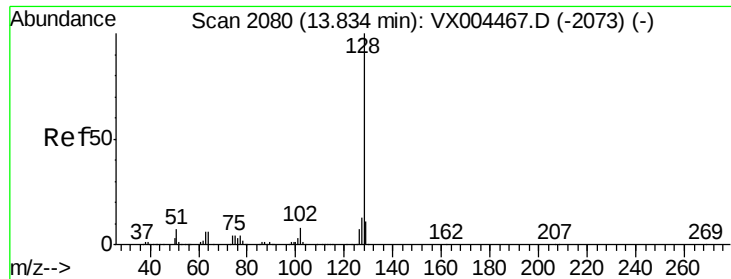
MMDadoda
 9/17/2018 6:27:27 PM



#94
 Hexachlorobutadiene
 Concen: 20.19 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX004590.D
 Acq: 15 Sep 2018 17:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.3	30.1	90.5	
227	63.3	30.8	92.4	





#95

Naphthalene

Concen: 21.00 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004590.D

Acq: 15 Sep 2018 17:47

Instrument :

MSVOA_X

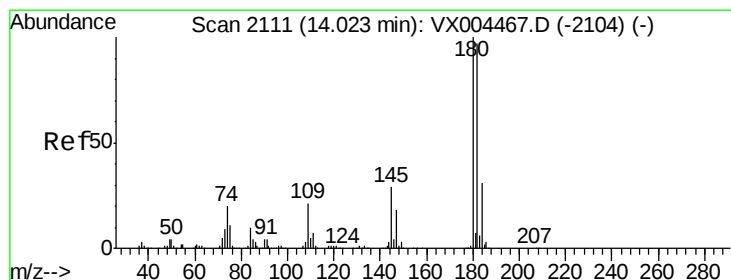
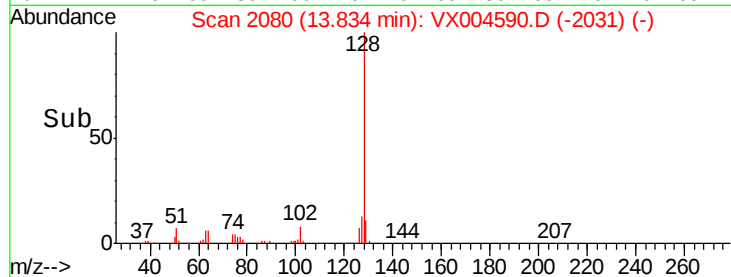
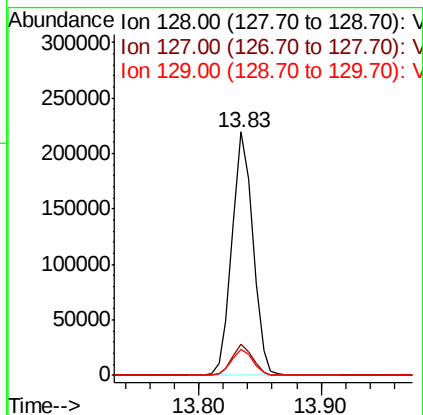
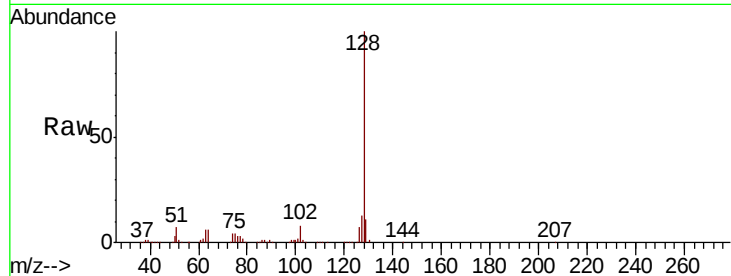
ClientSampleId :

VX0915WBSD01

Tot Ion:	128	Resp:	258746
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/17/2018 6:27:27 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.38 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VX004590.D

Acq: 15 Sep 2018 17:47

Tgt Ion:	180	Resp:	91972
Ion Ratio	Lower	Upper	
180	100		
182	96.3	48.5	145.6
145	29.8	14.9	44.9

