

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091718\
 Data File : VX004623.D
 Acq On : 17 Sep 2018 17:18
 Operator : JC/MD
 Sample : VX0917WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0917WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/18/2018 4:03:05 PM

Quant Time: Sep 18 01:16:37 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	5.66	168	271291	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	328239	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	312539	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	191470	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	159126	45.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.98%	
35) Dibromofluoromethane	5.49	113	136487	45.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.88%	
50) Toluene-d8	8.71	98	480500	47.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.40%	
62) 4-Bromofluorobenzene	11.14	95	173884	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	48464	19.06	ug/l	94
3) Chloromethane	1.32	50	60307	17.23	ug/l	96
4) Vinyl Chloride	1.40	62	61312	17.07	ug/l	100
5) Bromomethane	1.64	94	31581	20.30	ug/l	95
6) Chloroethane	1.72	64	37862	16.30	ug/l	94
7) Trichlorofluoromethane	1.93	101	83090	17.45	ug/l	98
8) Diethyl Ether	2.18	74	37447	17.54	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	55495	18.37	ug/l	99
10) Methyl Iodide	2.51	142	42228	14.96	ug/l	95
11) Tert butyl alcohol	3.06	59	72397	86.74	ug/l	100
12) 1,1-Dichloroethene	2.37	96	50802	17.92	ug/l	98
13) Acrolein	2.29	56	21601	65.56	ug/l	90
14) Allyl chloride	2.73	41	102745	17.63	ug/l	95
15) Acrylonitrile	3.15	53	175528	87.33	ug/l	98
16) Acetone	2.44	43	155063	90.82	ug/l	97
17) Carbon Disulfide	2.57	76	136529	16.66	ug/l	99
18) Methyl Acetate	2.78	43	83619	17.46	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	175471	17.64	ug/l	98
20) Methylene Chloride	2.85	84	61545	17.57	ug/l	94
21) trans-1,2-Dichloroethene	3.16	96	57909	18.49	ug/l	96
22) Diisopropyl ether	3.87	45	186133	17.73	ug/l	98
23) Vinyl Acetate	3.82	43	756947	89.12	ug/l	97
24) 1,1-Dichloroethane	3.70	63	104772	17.68	ug/l	99
25) 2-Butanone	4.70	43	226345	83.30	ug/l	97
26) 2,2-Dichloropropane	4.57	77	79778	19.60	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	64233	18.37	ug/l	99
28) Bromochloromethane	5.01	49	48184	17.78	ug/l	95
29) Tetrahydrofuran	5.15	42	139060	84.86	ug/l	98
30) Chloroform	5.21	83	106681	18.44	ug/l	85
31) Cyclohexane	5.57	56	95051	18.78	ug/l	89
32) 1,1,1-Trichloroethane	5.49	97	89696	19.25	ug/l	97
36) 1,1-Dichloropropene	5.79	75	79167	19.87	ug/l	100
37) Ethyl Acetate	4.85	43	82807	18.27	ug/l	100
38) Carbon Tetrachloride	5.78	117	76050	19.54	ug/l	95

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Manual Integrations
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 9/18/2018 4:03:05 PM

Quant Time: Sep 18 01:16:37 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)
39) Methylcyclohexane	7.46	83	84569	20.34	ug/l	91
40) Benzene	6.15	78	243547	20.60	ug/l	97
41) Methacrylonitrile	5.06	41	46406	18.58	ug/l	98
42) 1,2-Dichloroethane	6.20	62	78220	19.95	ug/l	100
43) Isopropyl Acetate	6.46	43	116913	19.42	ug/l	99
44) Trichloroethene	7.21	130	60789	19.79	ug/l	94
45) 1,2-Dichloropropane	7.52	63	56941	20.01	ug/l	98
46) Dibromomethane	7.66	93	36387	20.24	ug/l	98
47) Bromodichloromethane	7.90	83	67048	19.73	ug/l	97
48) Methyl methacrylate	7.77	41	56559	18.98	ug/l	96
49) 1,4-Dioxane	7.75	88	27580	391.14	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	370009	87.10	ug/l	99
52) Toluene	8.79	92	135091	19.39	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	74388	18.73	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	81993	20.26	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	54490	18.17	ug/l	98
56) Ethyl methacrylate	9.18	69	76406	18.01	ug/l	98
57) 1,3-Dichloropropane	9.37	76	90035	18.47	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	194754	94.73	ug/l	96
59) 2-Hexanone	9.49	43	284089	87.18	ug/l	98
60) Dibromochloromethane	9.59	129	54977	19.47	ug/l	99
61) 1,2-Dibromoethane	9.67	107	55703	19.44	ug/l	99
64) Tetrachloroethene	9.34	164	68512	17.56	ug/l	98
65) Chlorobenzene	10.14	112	153105	19.72	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	53106	19.84	ug/l	100
67) Ethyl Benzene	10.25	91	251687	19.94	ug/l	97
68) m/p-Xylenes	10.36	106	200206	41.17	ug/l	98
69) o-Xylene	10.70	106	95552	20.44	ug/l	99
70) Styrene	10.71	104	158940	20.52	ug/l	98
71) Bromoform	10.86	173	41776	19.01	ug/l #	99
73) Isopropylbenzene	11.02	105	260682	20.67	ug/l	100
74) N-amyl acetate	10.90	43	97725	18.41	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	77083	18.95	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	73711m	19.13	ug/l	
77) Bromobenzene	11.26	156	69433	19.92	ug/l	100
78) n-propylbenzene	11.36	91	300035	20.69	ug/l	100
79) 2-Chlorotoluene	11.42	91	177910	20.23	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	220420	20.79	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	23519	19.46	ug/l	97
82) 4-Chlorotoluene	11.51	91	206581	20.13	ug/l	98
83) tert-Butylbenzene	11.77	119	210067	20.81	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	226346	20.91	ug/l	99
85) sec-Butylbenzene	11.94	105	266673	20.74	ug/l	99
86) p-Isopropyltoluene	12.07	119	241305	21.25	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	131073	20.16	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	131044	19.50	ug/l	98
89) n-Butylbenzene	12.39	91	206204	19.92	ug/l	98
90) Hexachloroethane	12.60	117	35908	19.75	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	130495	19.83	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	16248	18.71	ug/l	95

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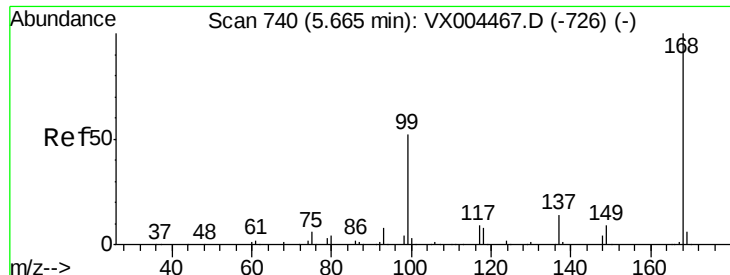
Manual Integrations
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Quant Time: Sep 18 01:16:37 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	96740	20.76	ug/l	98
94) Hexachlorobutadiene	13.79	225	50271	20.65	ug/l	98
95) Naphthalene	13.83	128	262097	20.05	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	96878	20.23	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX004623.D

Acq: 17 Sep 2018 17:18

Instrument :

MSVOA_X

ClientSampleId :

VX0917WBS01

Tot Ion:168 Resp: 271291

Ion Ratio Lower Upper

168 100

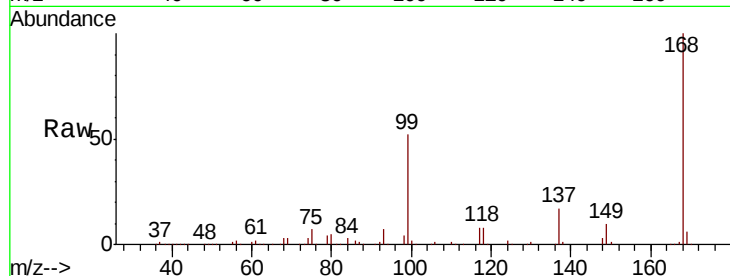
99 51.8 39.9 59.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

60000

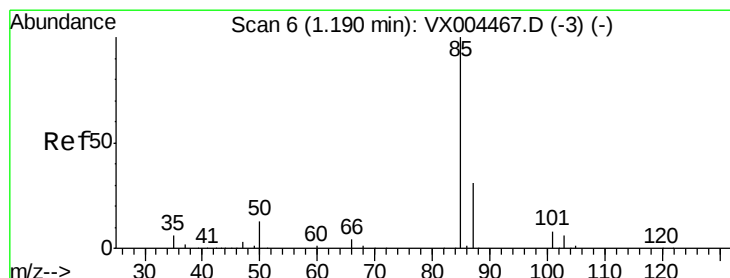
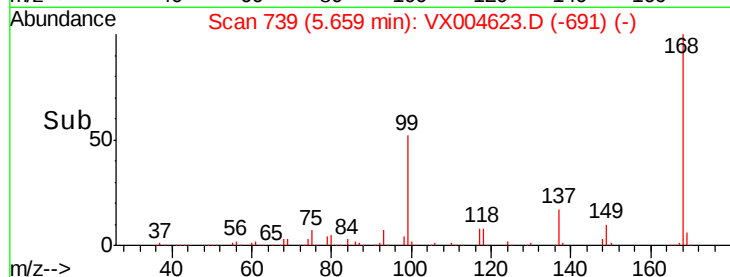
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.06 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX004623.D

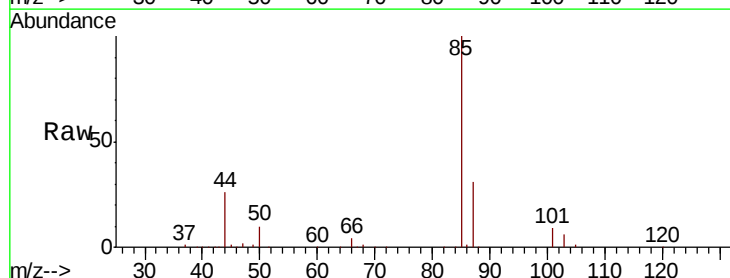
Acq: 17 Sep 2018 17:18

Tgt Ion: 85 Resp: 48464

Ion Ratio Lower Upper

85 100

87 30.6 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

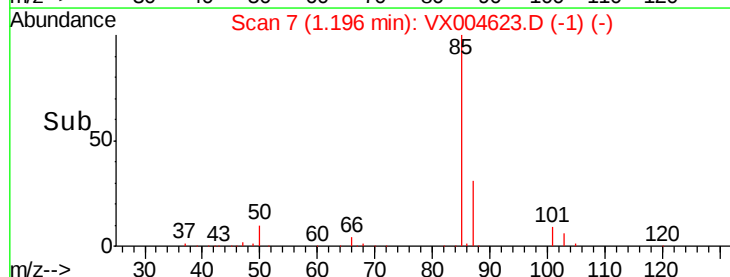
20000

10000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 17.23 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004623.D

Acq: 17 Sep 2018 17:18

Instrument :

MSVOA_X

ClientSampleId :

VX0917WBS01

Tot Ion: 50 Resp: 60307

Ion Ratio Lower Upper

50 100

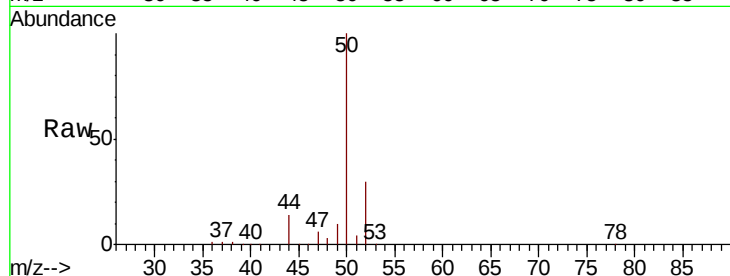
52 30.2 26.2 39.2

Manual Integrations

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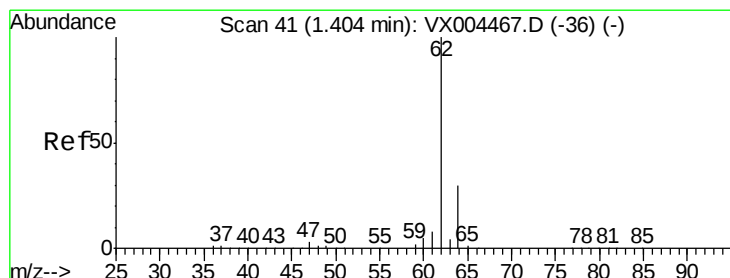
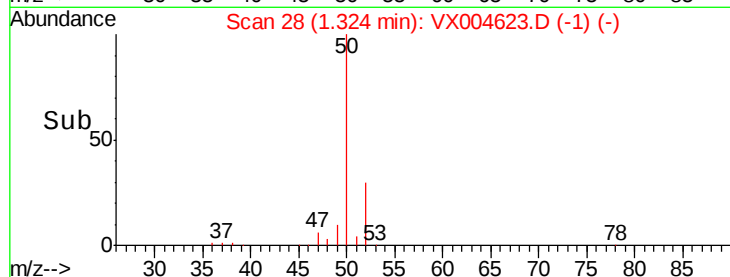
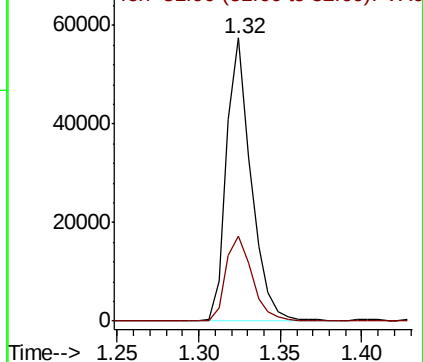
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 17.07 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004623.D

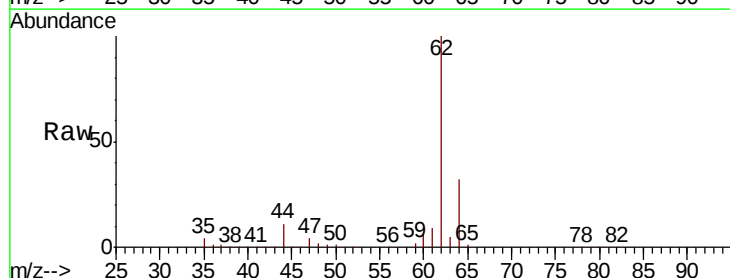
Acq: 17 Sep 2018 17:18

Tgt Ion: 62 Resp: 61312

Ion Ratio Lower Upper

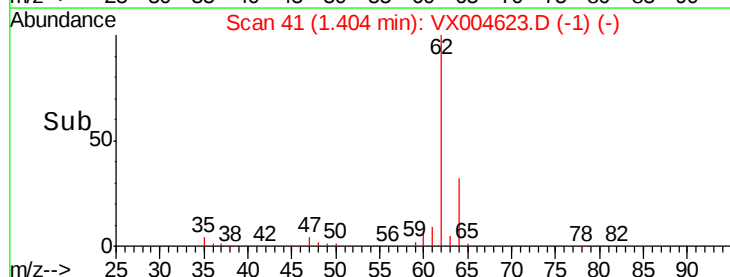
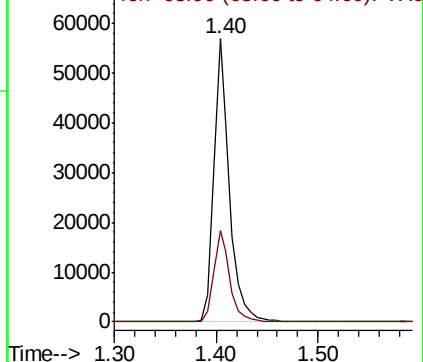
62 100

64 32.5 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: 20.30 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004623.D

Acq: 17 Sep 2018 17:18

Instrument :

MSVOA_X

ClientSampleId :

VX0917WBS01

Tot Ion: 94 Resp: 31581

Ion Ratio Lower Upper

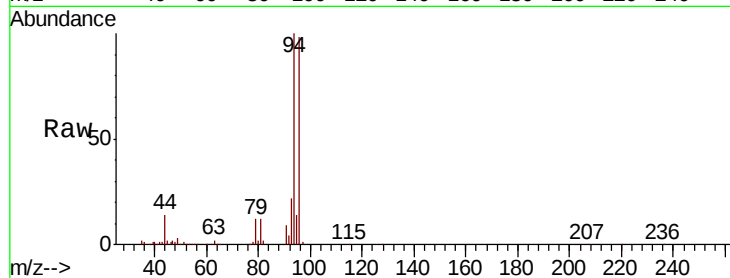
94 100

96 97.7 74.5 111.7

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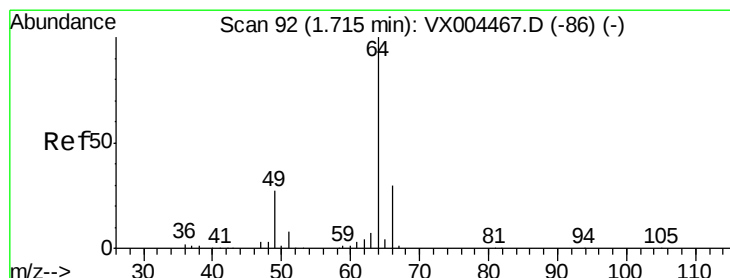
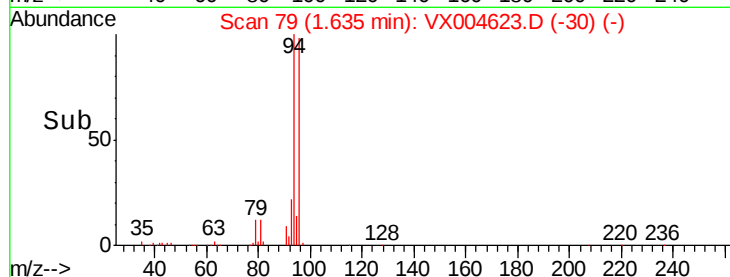
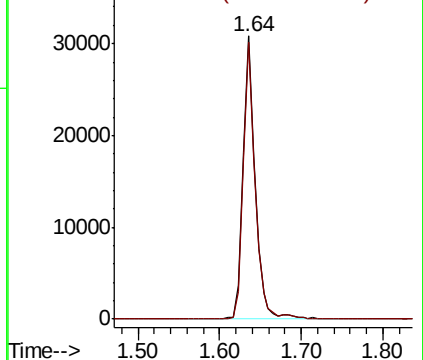
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 16.30 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004623.D

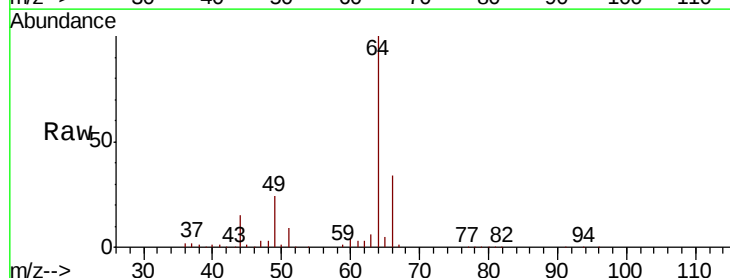
Acq: 17 Sep 2018 17:18

Tgt Ion: 64 Resp: 37862

Ion Ratio Lower Upper

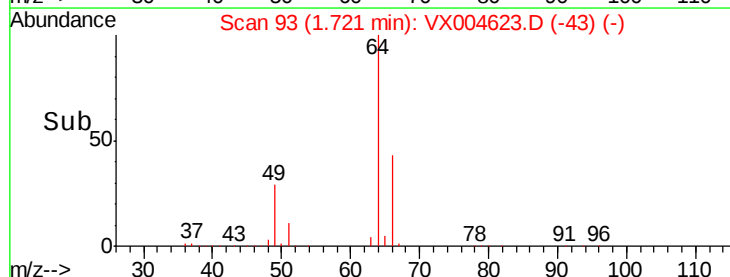
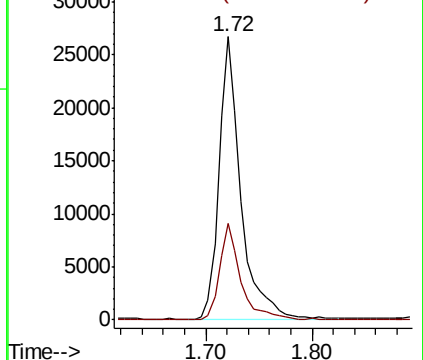
64 100

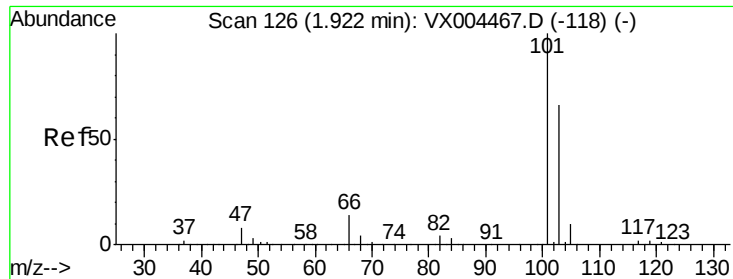
66 34.1 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

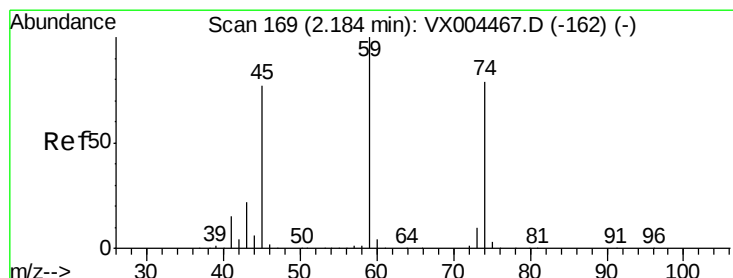
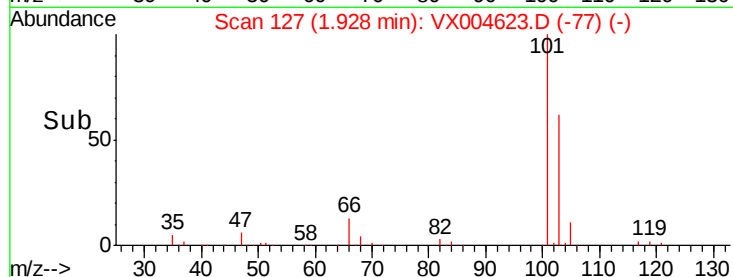
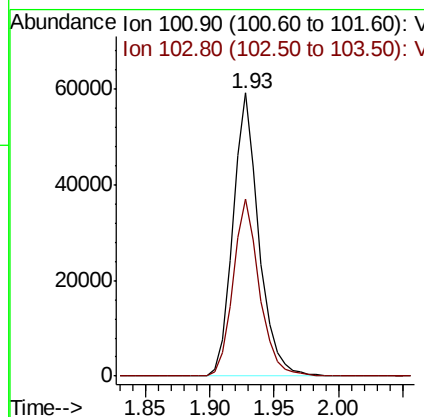
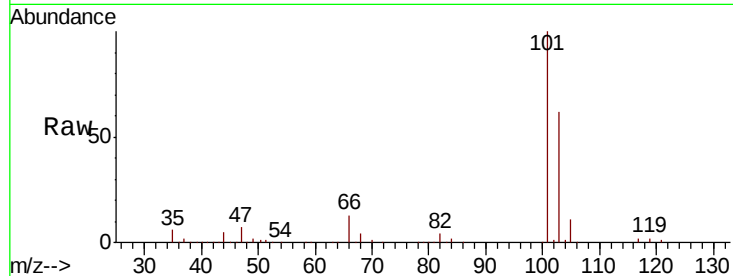
Trichlorofluoromethane
Concen: 17.45 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX004623.D
Acq: 17 Sep 2018 17:18

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tot Ion:101 Resp: 83090
Ion Ratio Lower Upper
101 100
103 62.4 48.9 73.3

Manual Integrations
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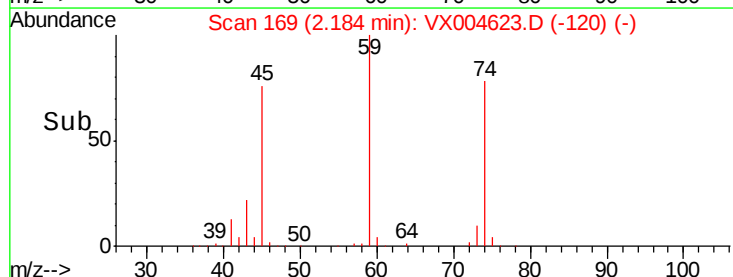
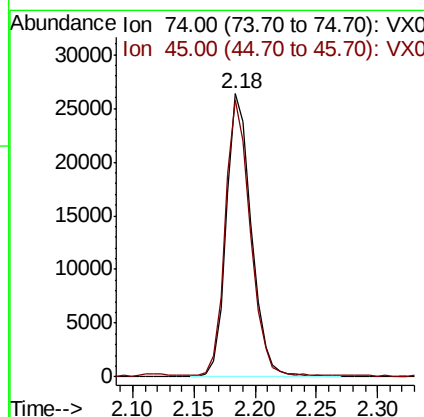
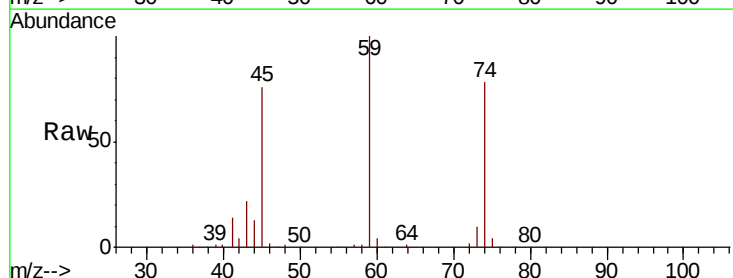
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#8

Diethyl Ether
Concen: 17.54 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX004623.D
Acq: 17 Sep 2018 17:18

Tgt Ion: 74 Resp: 37447
Ion Ratio Lower Upper
74 100
45 97.0 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.37 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX004623.D

Acq: 17 Sep 2018 17:18

Instrument :

MSVOA_X

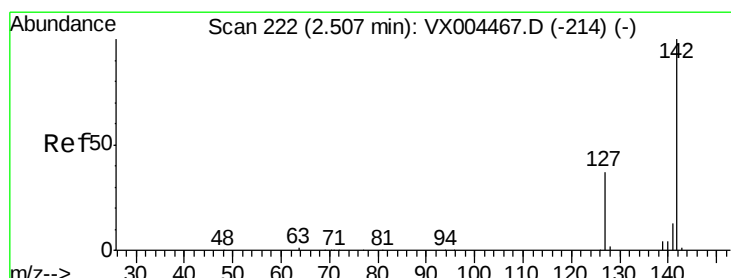
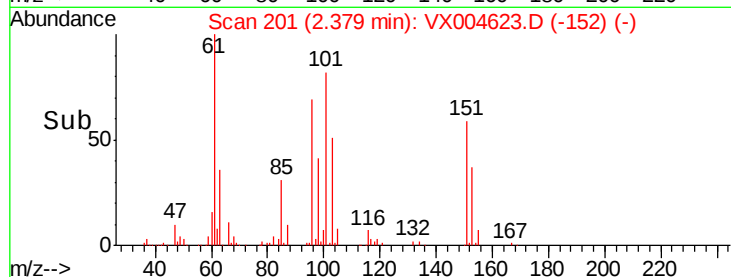
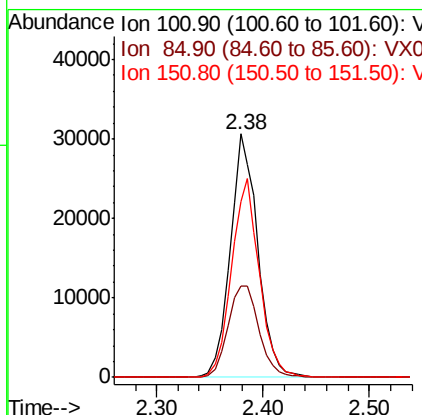
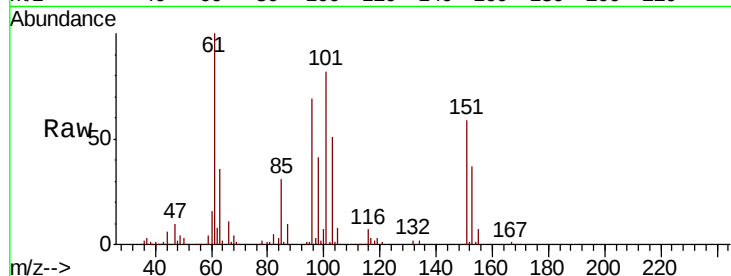
ClientSampleId :

VX0917WBS01

Tot Ion:	101	Resp:	55495
Ion Ratio	Lower	Upper	
101	100		
85	42.2	34.2	51.4
151	82.6	65.0	97.6

Manual Integrations
APPROVED

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#10

Methyl Iodide

Concen: 14.96 ug/l

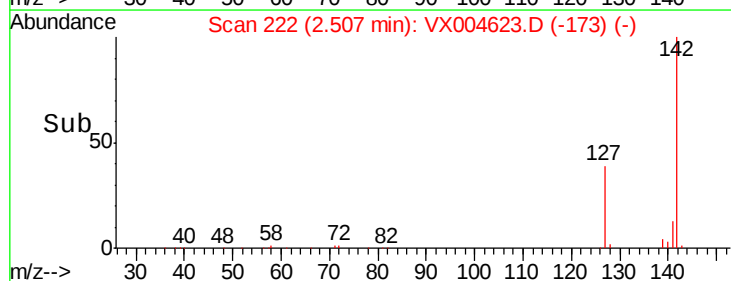
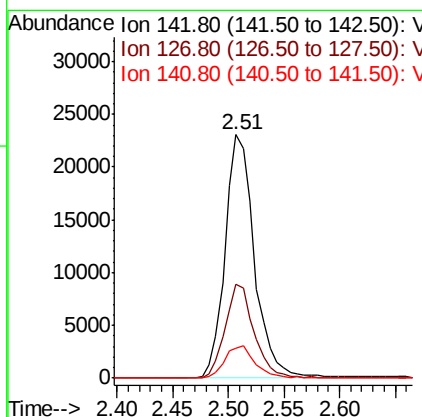
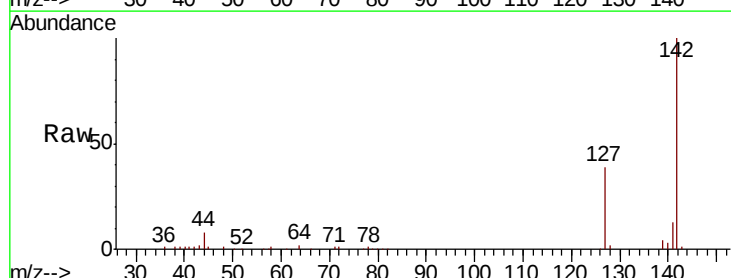
RT: 2.51 min Scan# 222

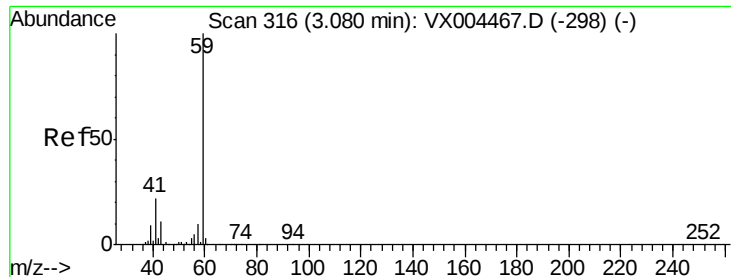
Delta R.T. 0.00 min

Lab File: VX004623.D

Acq: 17 Sep 2018 17:18

Tgt Ion:	142	Resp:	42228
Ion Ratio	Lower	Upper	
142	100		
127	38.1	33.8	50.6
141	13.7	11.4	17.0





#11

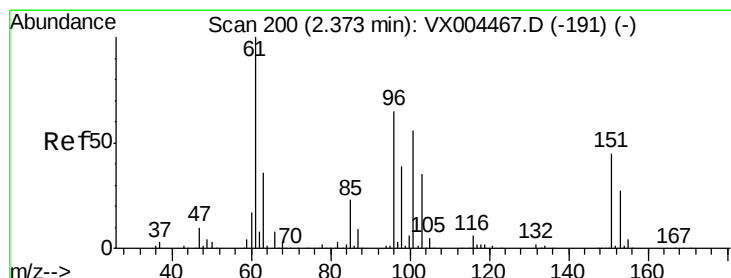
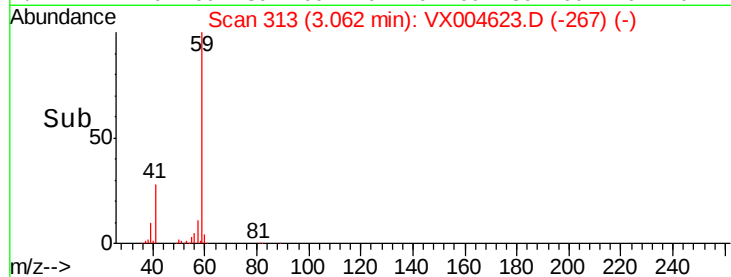
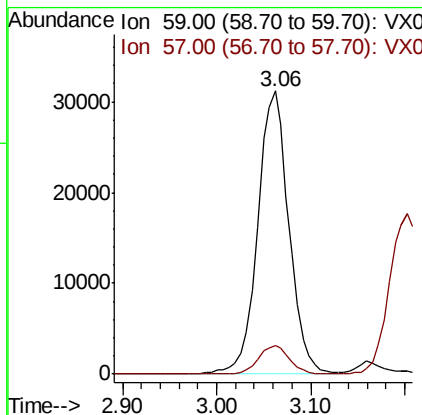
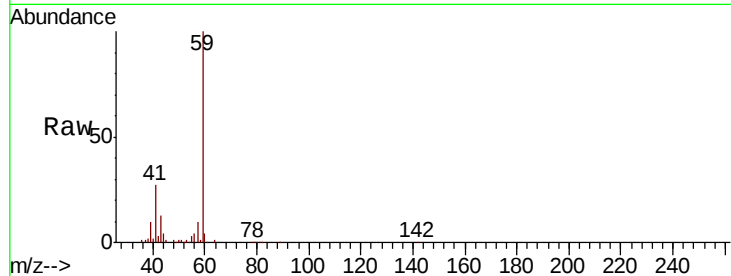
Tert butyl alcohol
Concen: 86.74 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX004623.D
Acq: 17 Sep 2018 17:18

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.4

Manual Integrations
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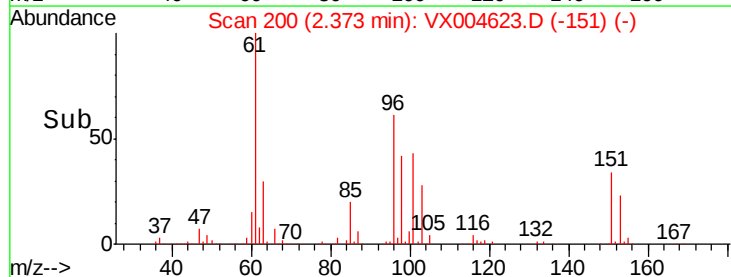
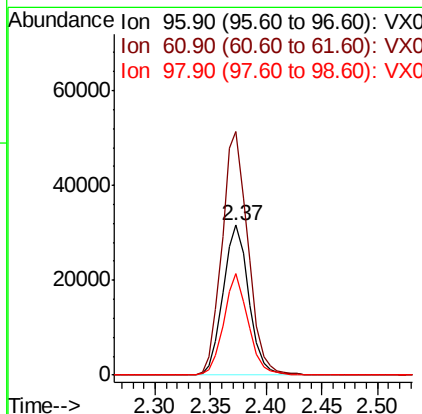
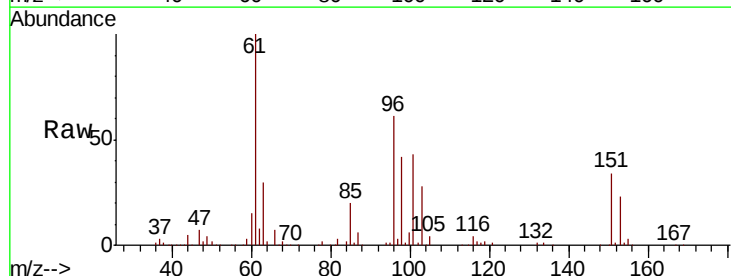
MMDadoda
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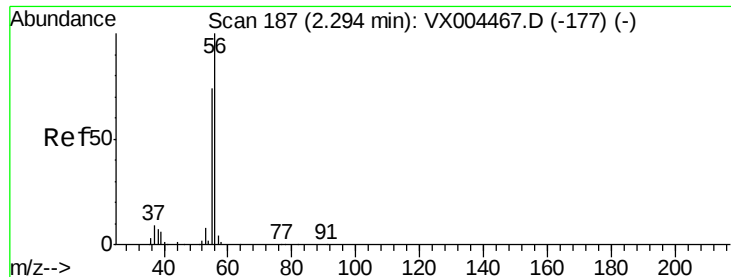


#12

1,1-Dichloroethene
Concen: 17.92 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX004623.D
Acq: 17 Sep 2018 17:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.7	128.8	193.2
98	68.0	52.2	78.2





#13

Acrolein

Concen: 65.56 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004623.D

Acq: 17 Sep 2018 17:18

Instrument :

MSVOA_X

ClientSampleId :

VX0917WBS01

Tot Ion: 56 Resp: 21601

Ion Ratio Lower Upper

56 100

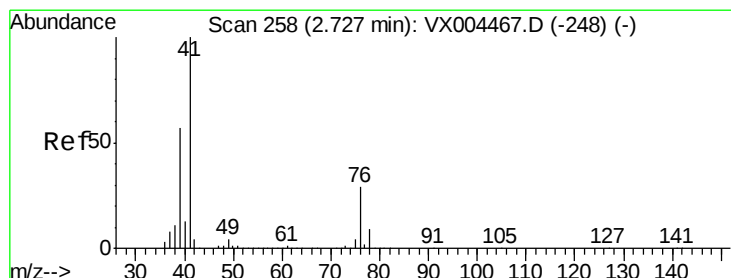
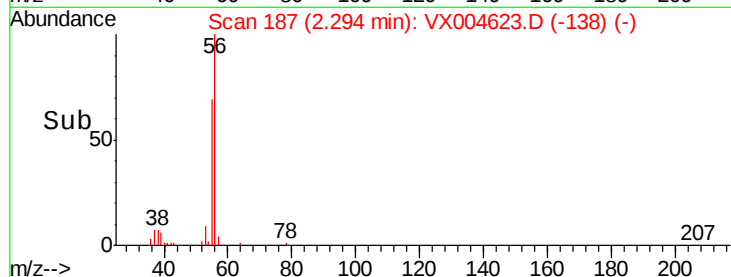
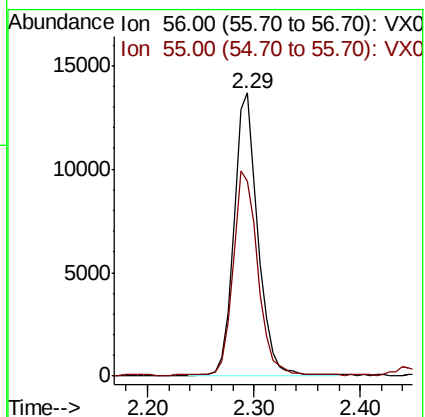
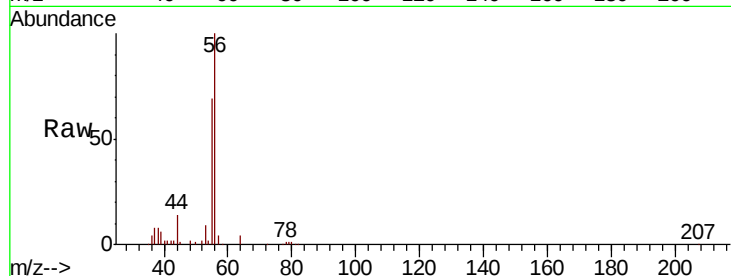
55 76.1 54.7 82.1

Manual Integrations

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#14

Allyl chloride

Concen: 17.63 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX004623.D

Acq: 17 Sep 2018 17:18

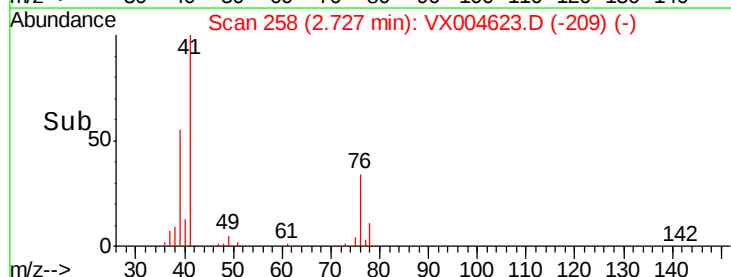
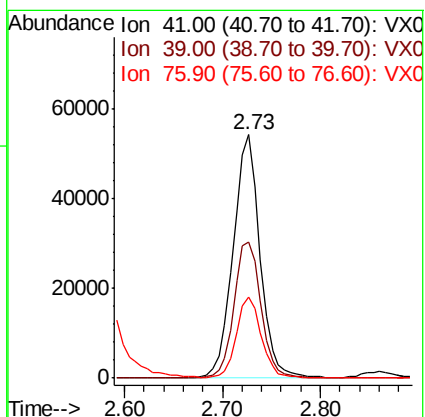
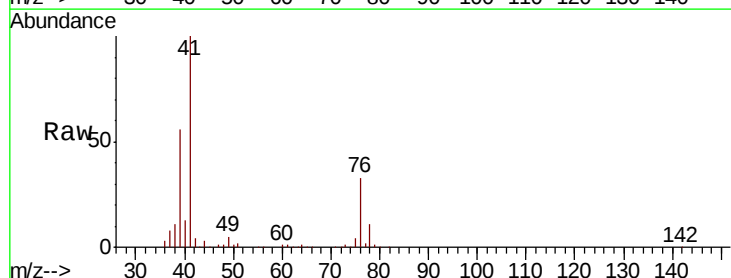
Tgt Ion: 41 Resp: 102745

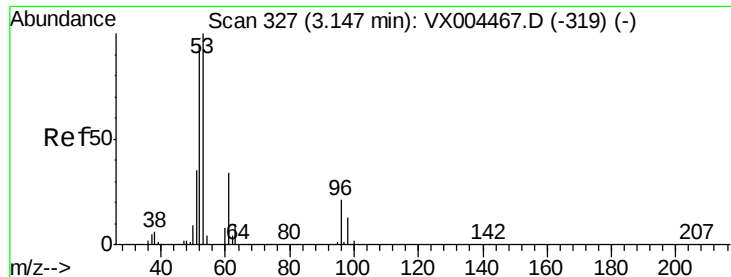
Ion Ratio Lower Upper

41 100

39 56.2 48.9 73.3

76 31.2 26.7 40.1





#15

Acrylonitrile

Concen: 87.33 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX004623.D

Acq: 17 Sep 2018 17:18

Instrument :

MSVOA_X

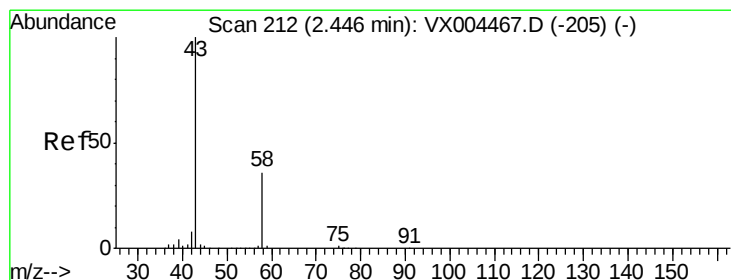
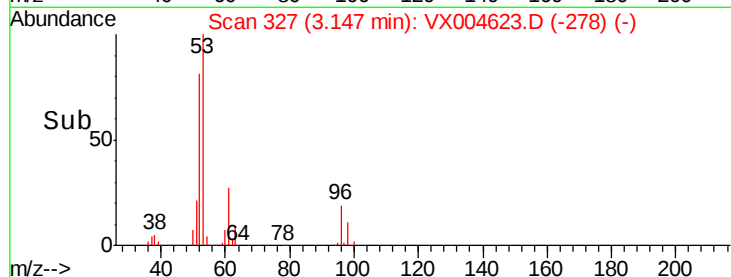
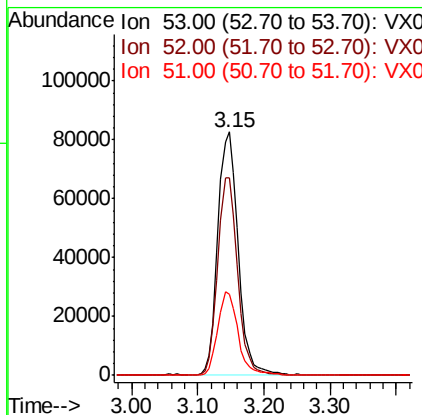
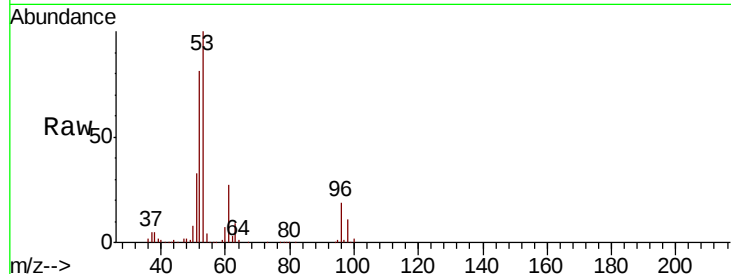
ClientSampleId :

VX0917WBS01

Tot Ion:	53	Resp:	175528
Ion Ratio		Lower	Upper
53	100		
52	79.9	65.2	97.8
51	34.4	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 90.82 ug/l

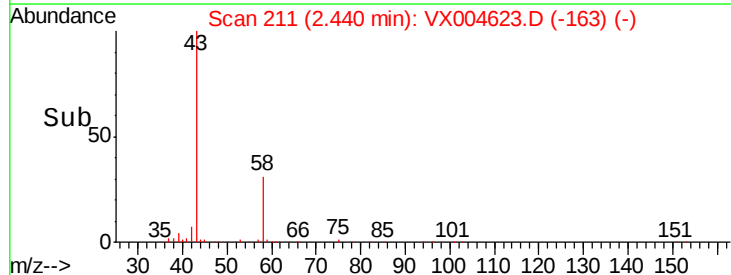
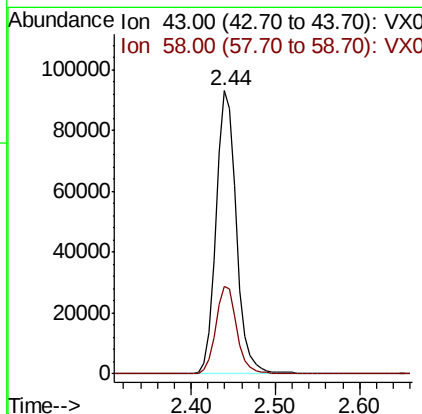
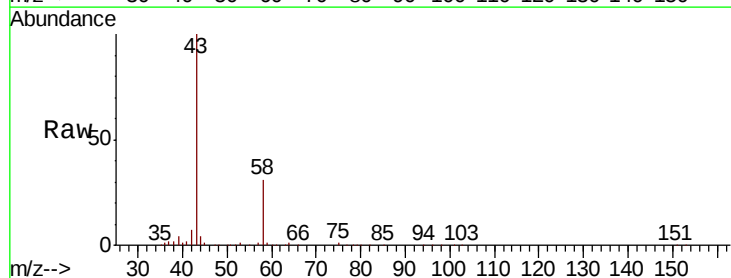
RT: 2.44 min Scan# 211

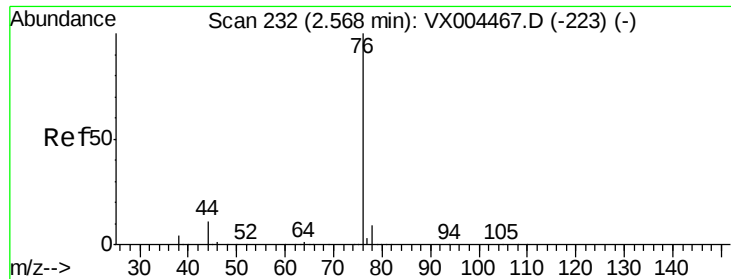
Delta R.T. -0.01 min

Lab File: VX004623.D

Acq: 17 Sep 2018 17:18

Tgt Ion:	43	Resp:	155063
Ion Ratio		Lower	Upper
43	100		
58	31.1	26.2	39.4





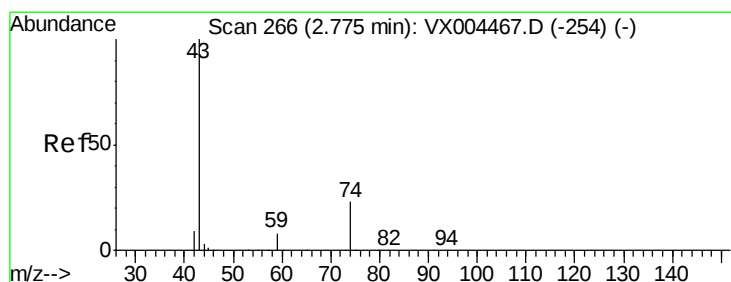
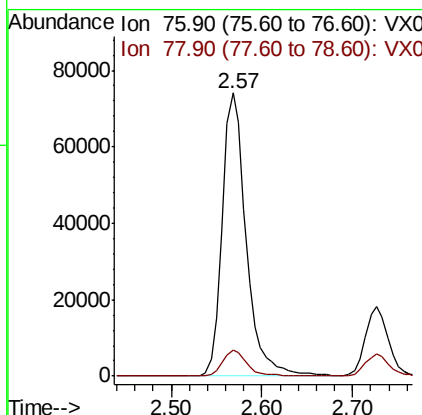
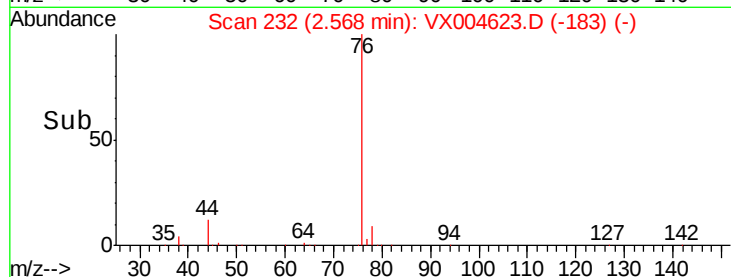
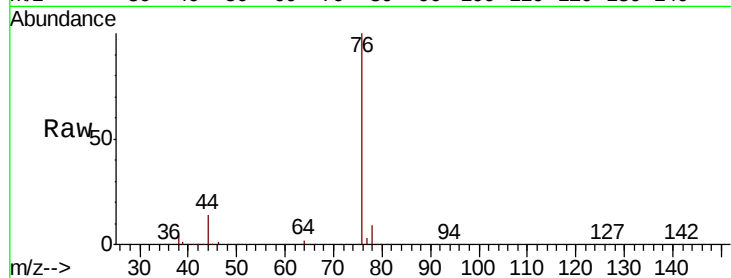
#17
Carbon Disulfide
Concen: 16.66 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX004623.D
Acq: 17 Sep 2018 17:18

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

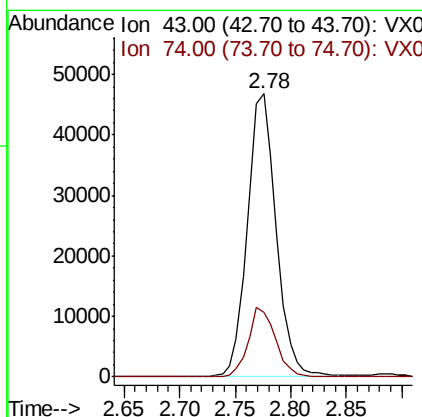
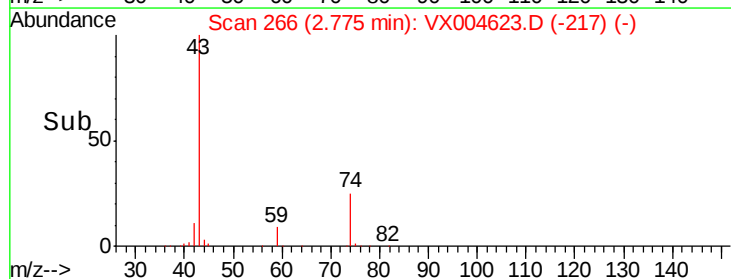
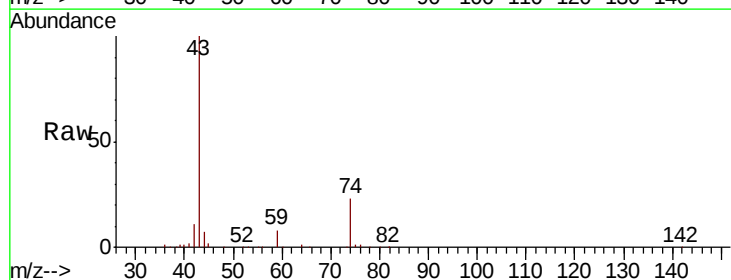
Manual Integrations
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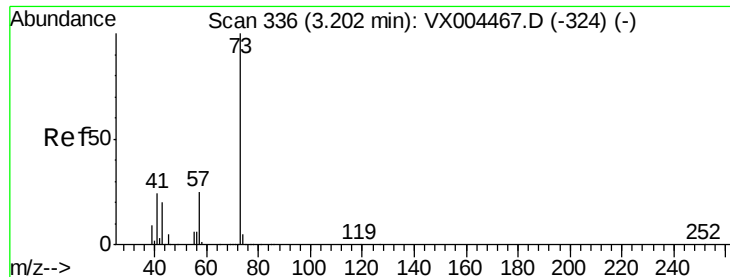
MMDadoda
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#18
Methyl Acetate
Concen: 17.46 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX004623.D
Acq: 17 Sep 2018 17:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.4	29.2





#19

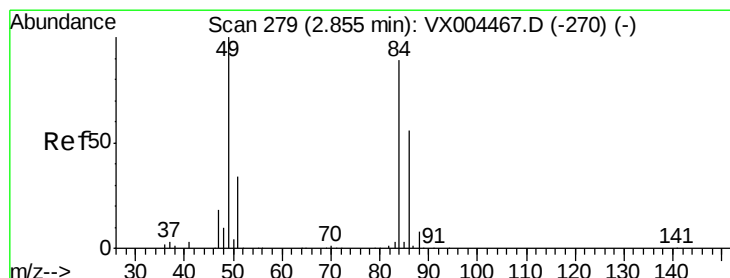
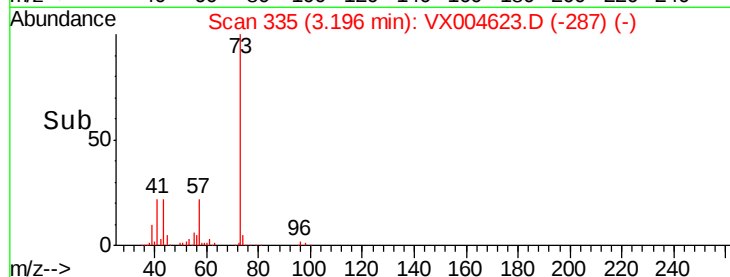
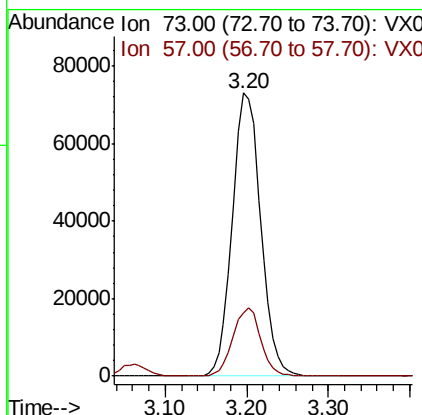
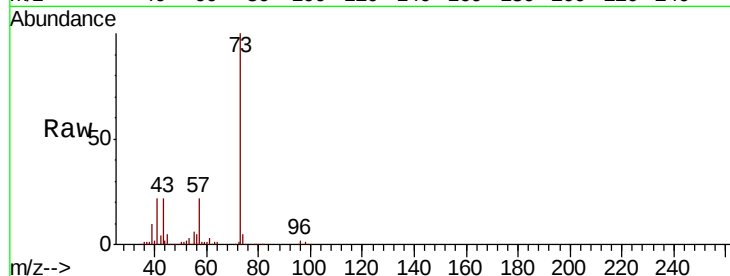
Methyl tert-butyl Ether
 Concen: 17.64 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.01 min
 Lab File: VX004623.D
 Acq: 17 Sep 2018 17:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0917WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.1	25.7

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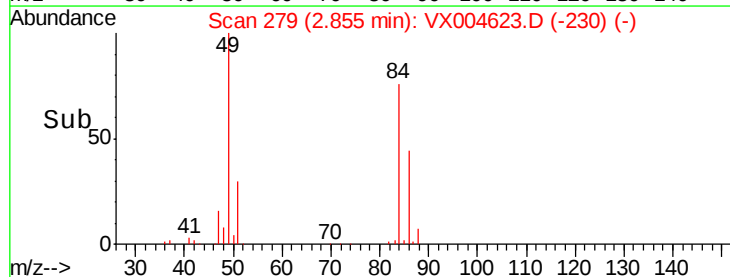
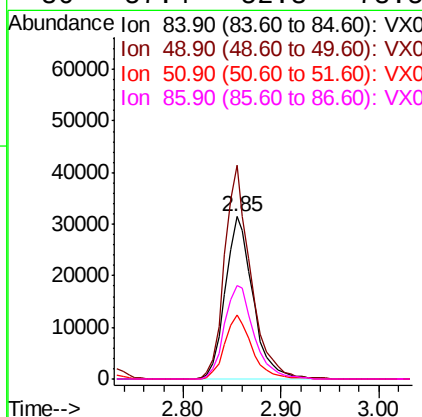
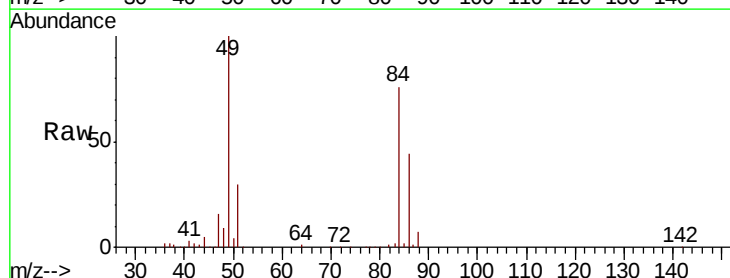
MMDadoda
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#20

Methylene Chloride
 Concen: 17.57 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX004623.D
 Acq: 17 Sep 2018 17:18

Tgt Ion	Ratio	Lower	Upper
84	100		
49	131.5	101.2	151.8
51	39.5	29.5	44.3
86	57.4	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 18.49 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX004623.D

Acq: 17 Sep 2018 17:18

Instrument :

MSVOA_X

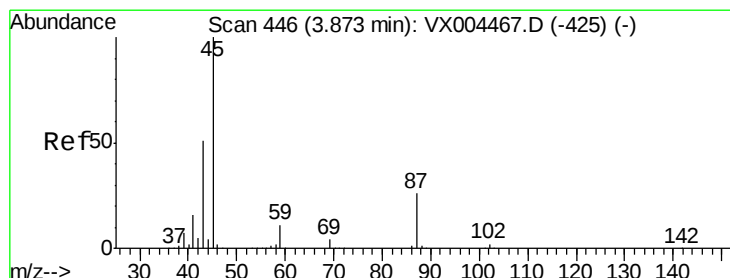
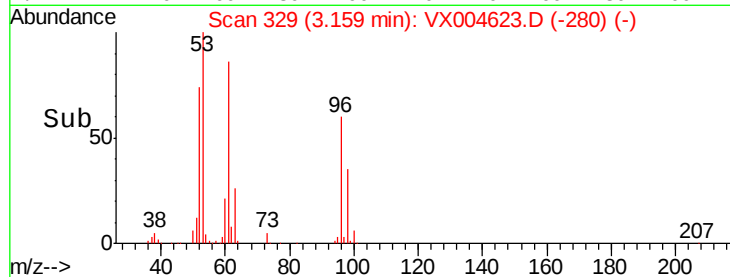
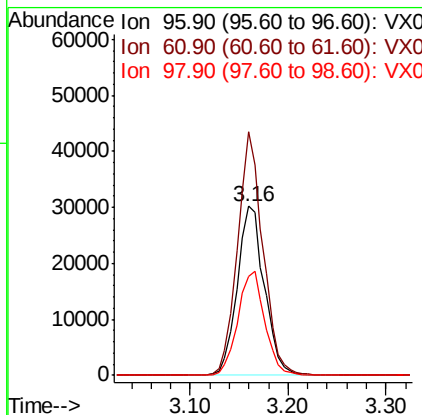
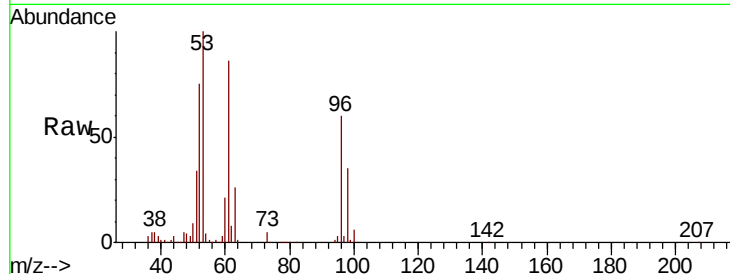
ClientSampleId :

VX0917WBS01

Tot Ion:	96	Resp:	57909
Ion	Ratio	Lower	Upper
96	100		
61	144.2	113.8	170.6
98	58.7	51.8	77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 17.73 ug/l

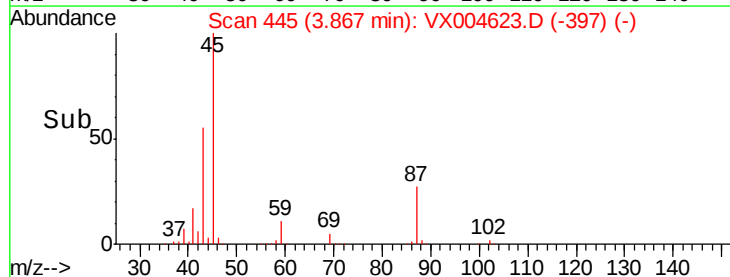
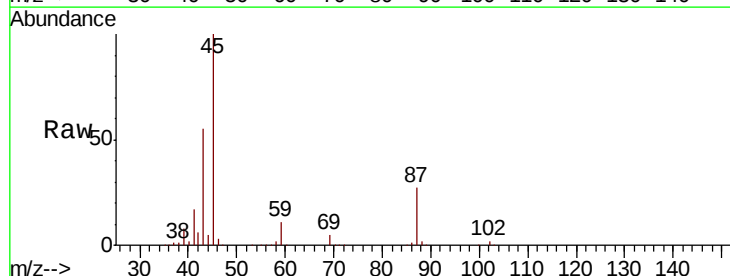
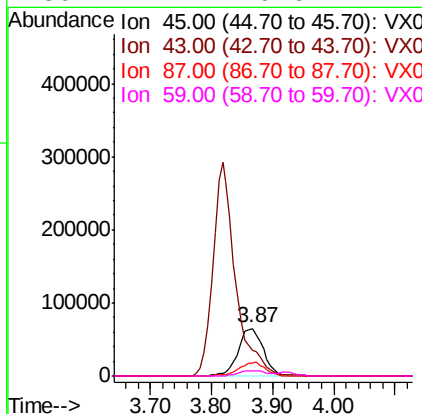
RT: 3.87 min Scan# 445

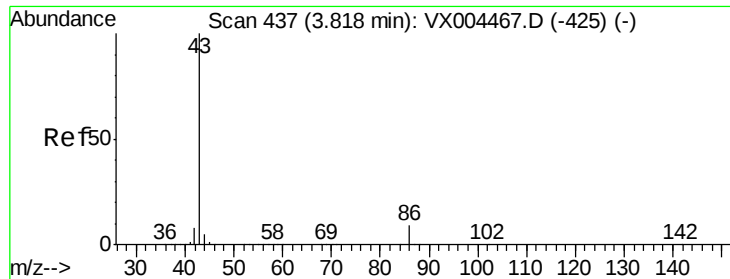
Delta R.T. -0.01 min

Lab File: VX004623.D

Acq: 17 Sep 2018 17:18

Tgt Ion:	45	Resp:	186133
Ion	Ratio	Lower	Upper
45	100		
43	54.3	42.8	64.2
87	26.8	22.6	34.0
59	11.2	9.6	14.4





#23

Vinyl Acetate

Concen: 89.12 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX004623.D

Acq: 17 Sep 2018 17:18

Instrument :

MSVOA_X

ClientSampleId :

VX0917WBS01

Tot Ion: 43 Resp: 756947

Ion Ratio Lower Upper

43 100

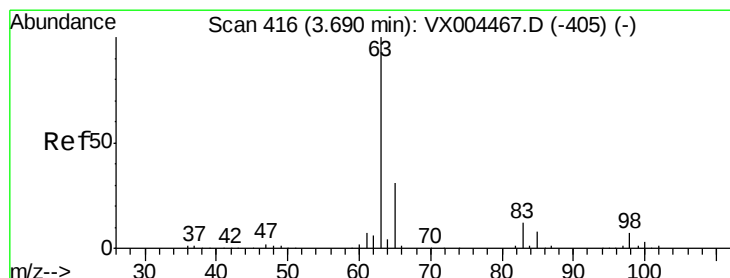
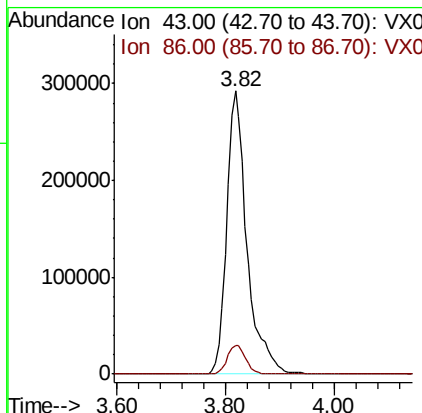
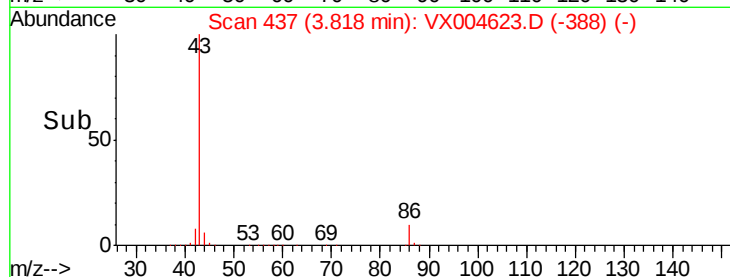
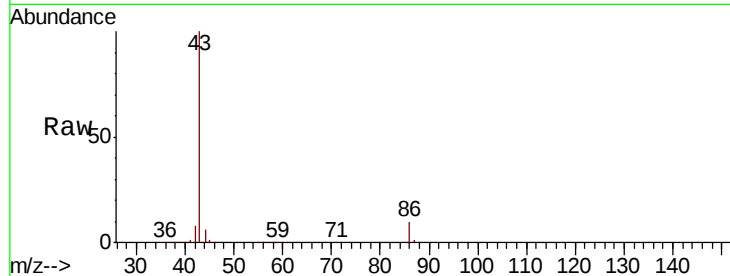
86 10.0 8.9 13.3

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#24

1,1-Dichloroethane

Concen: 17.68 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX004623.D

Acq: 17 Sep 2018 17:18

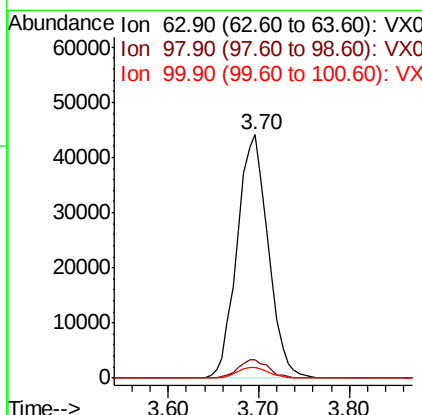
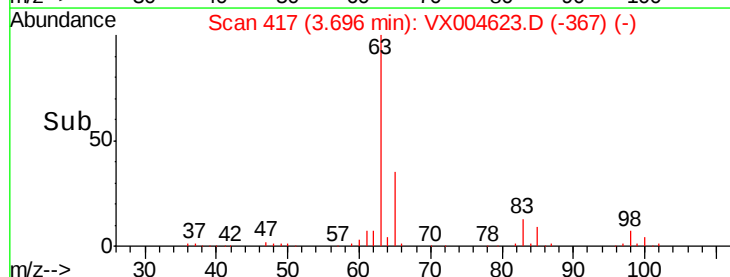
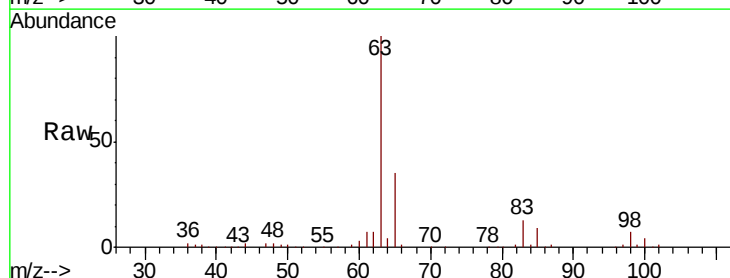
Tgt Ion: 63 Resp: 104772

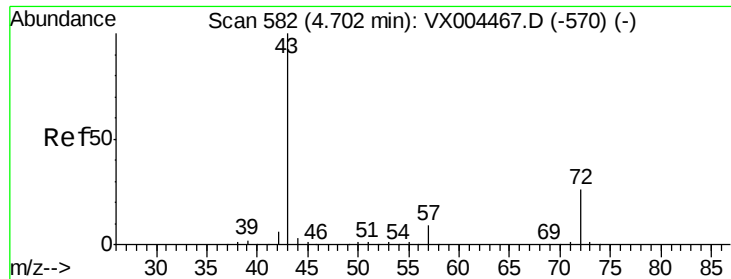
Ion Ratio Lower Upper

63 100

98 7.5 3.5 10.4

100 4.3 2.4 7.1





#25

2-Butanone

Concen: 83.30 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX004623.D

Acq: 17 Sep 2018 17:18

Instrument :

MSVOA_X

ClientSampleId :

VX0917WBS01

Tot Ion: 43 Resp: 226345

Ion Ratio Lower Upper

43 100

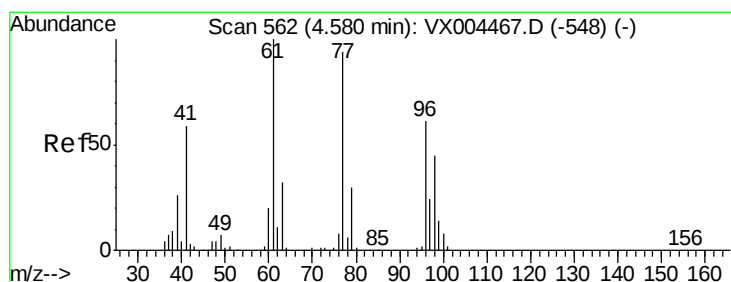
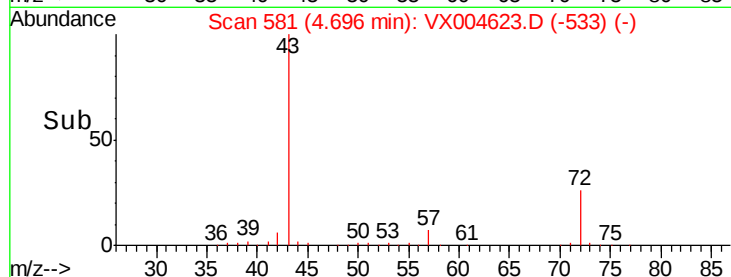
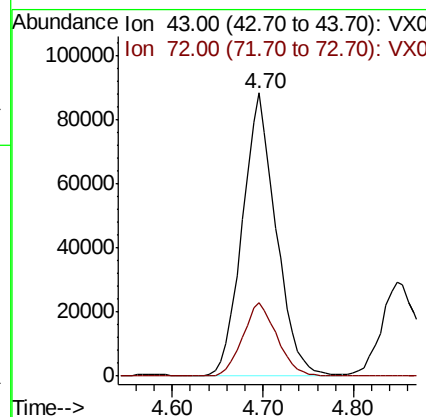
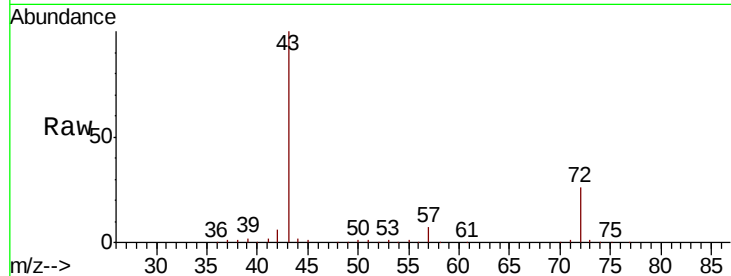
72 25.9 22.0 33.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.60 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX004623.D

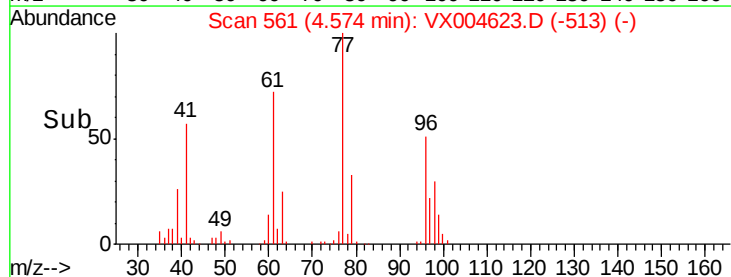
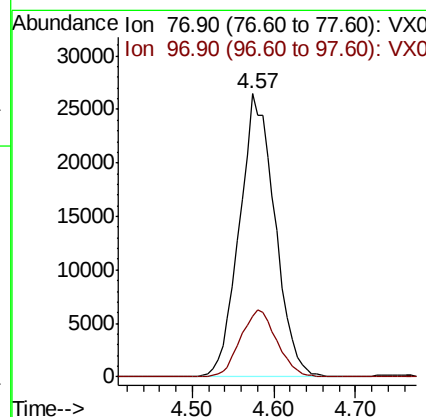
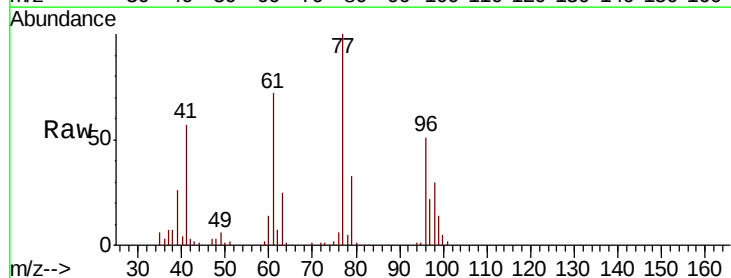
Acq: 17 Sep 2018 17:18

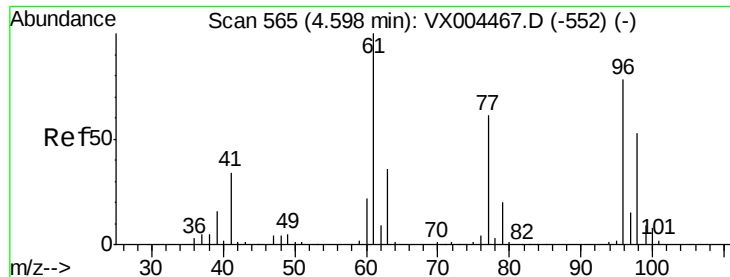
Tgt Ion: 77 Resp: 79778

Ion Ratio Lower Upper

77 100

97 24.4 11.7 35.0





#27

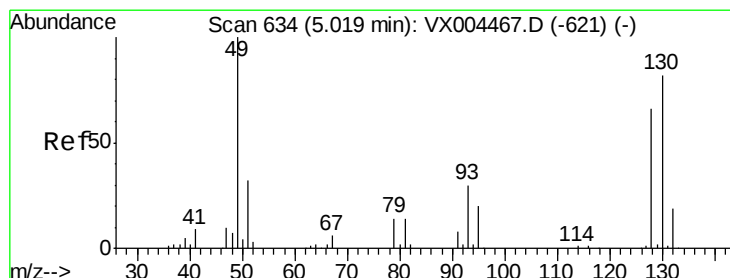
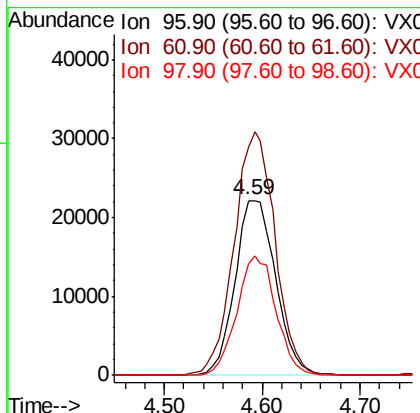
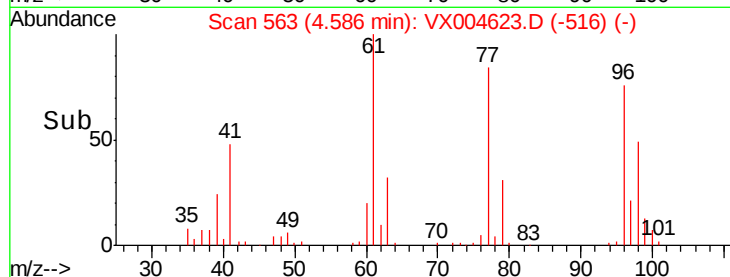
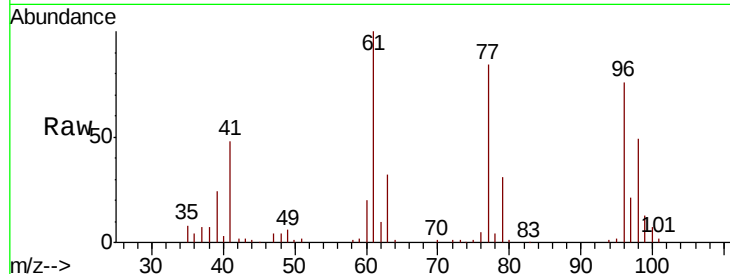
cis-1,2-Dichloroethene
Concen: 18.37 ug/l
RT: 4.59 min Scan# 563
Delta R.T. -0.01 min
Lab File: VX004623.D
Acq: 17 Sep 2018 17:18

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	64233		
61	140.2		0.0	282.6
98	65.7		0.0	130.2

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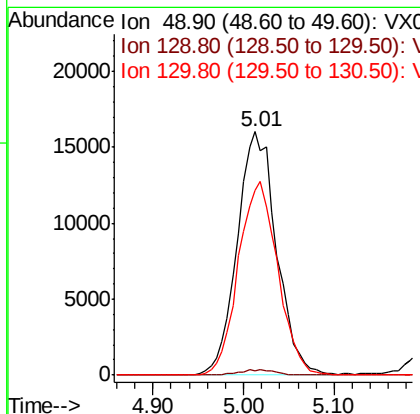
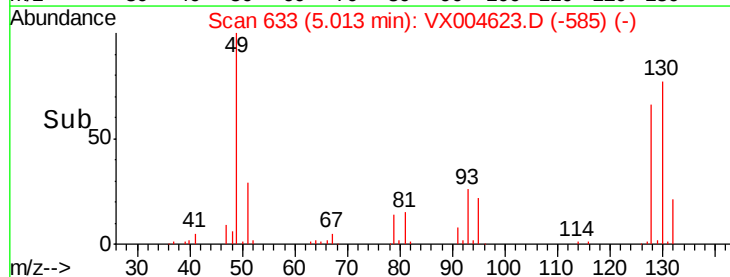
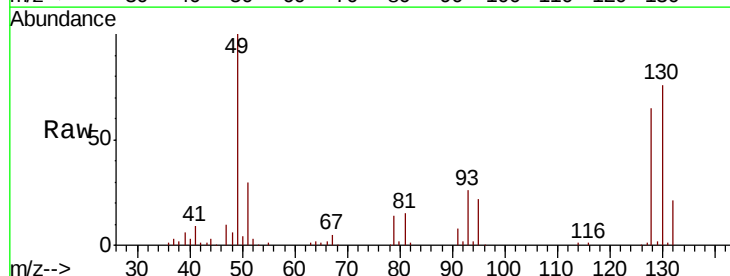
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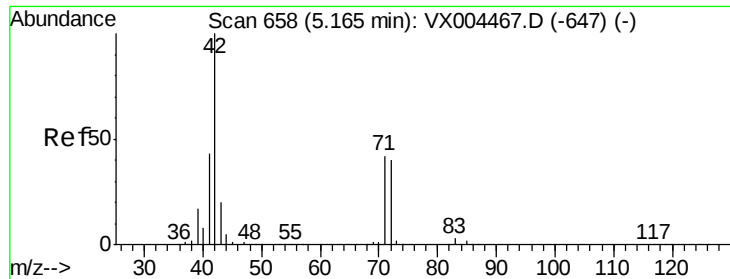


#28

Bromochloromethane
Concen: 17.78 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX004623.D
Acq: 17 Sep 2018 17:18

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	48184		
129	2.0		0.0	4.2
130	79.6		67.5	101.3





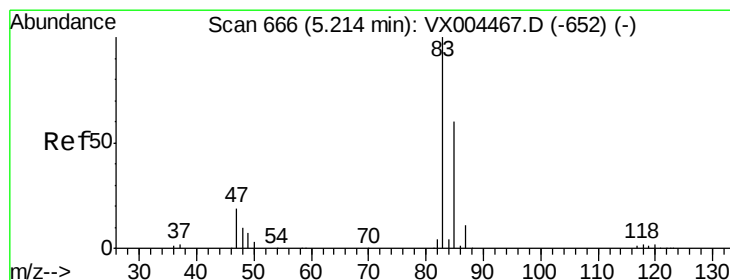
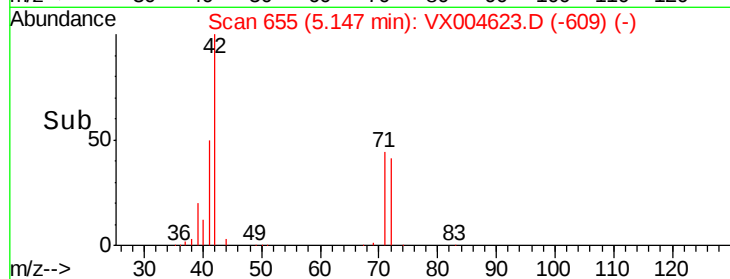
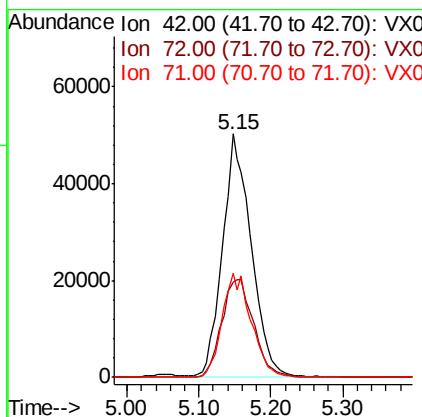
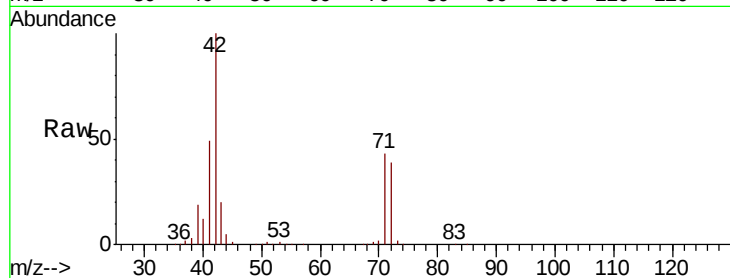
#29
Tetrahydrofuran
Concen: 84.86 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.02 min
Lab File: VX004623.D
Acq: 17 Sep 2018 17:18

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tot Ion:	42	Resp:	139060
Ion	Ratio	Lower	Upper
42	100		
72	45.0	37.4	56.0
71	43.5	34.5	51.7

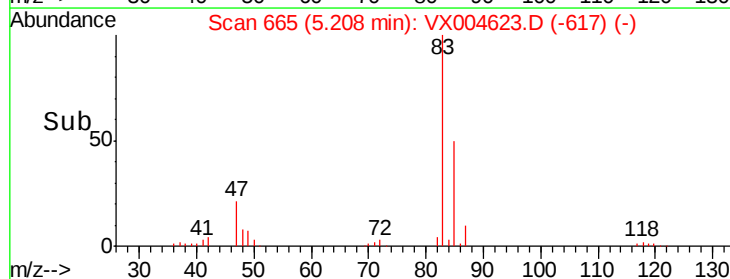
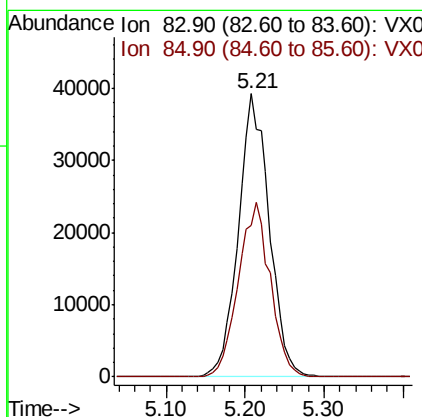
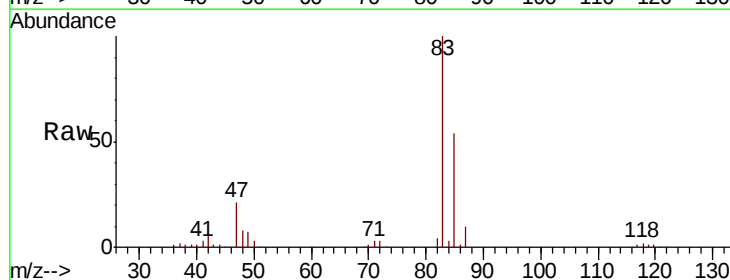
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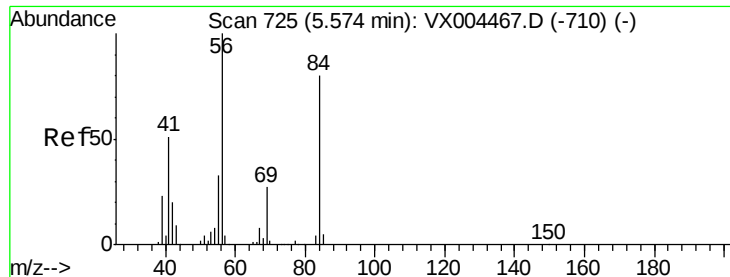
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#30
Chloroform
Concen: 18.44 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX004623.D
Acq: 17 Sep 2018 17:18

Tgt Ion:	83	Resp:	106681
Ion	Ratio	Lower	Upper
83	100		
85	53.7	52.6	79.0





#31

Cyclohexane

Concen: 18.78 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX004623.D

Acq: 17 Sep 2018 17:18

Instrument :

MSVOA_X

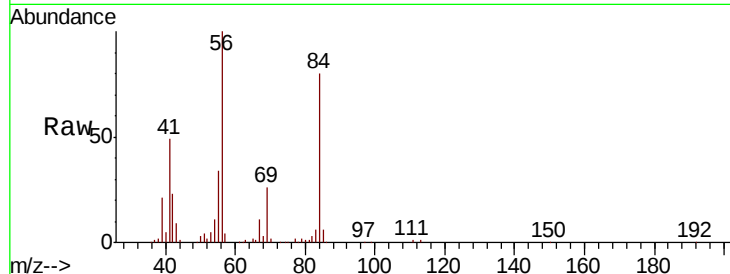
ClientSampleId :

VX0917WBS01

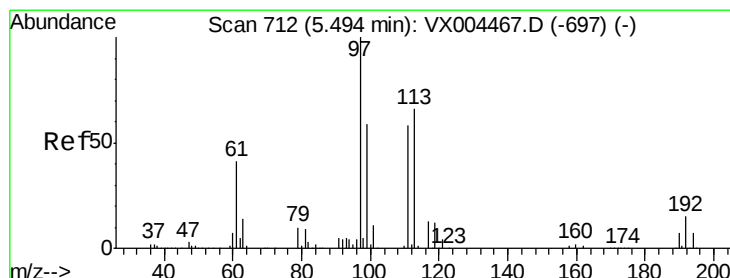
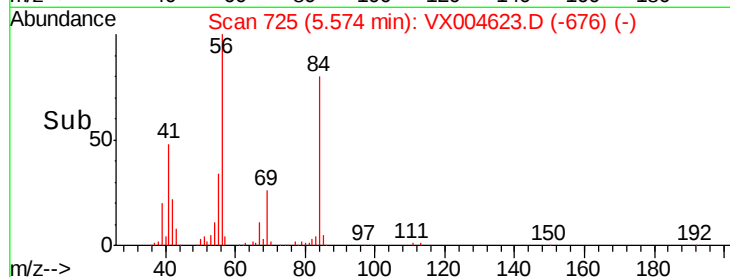
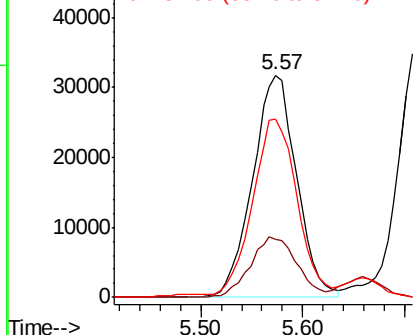
Tot Ion:	56	Resp:	95051
Ion	Ratio	Lower	Upper
56	100		
69	25.9	25.4	38.2
84	79.0	71.4	107.2

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Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 19.25 ug/l

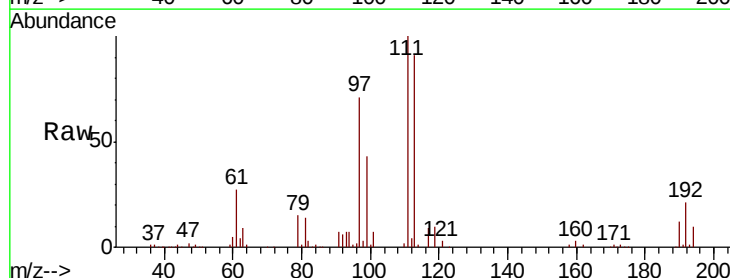
RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

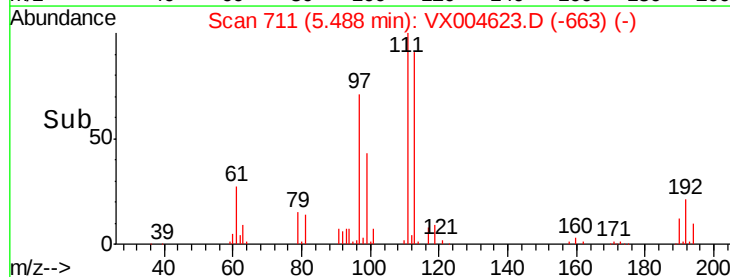
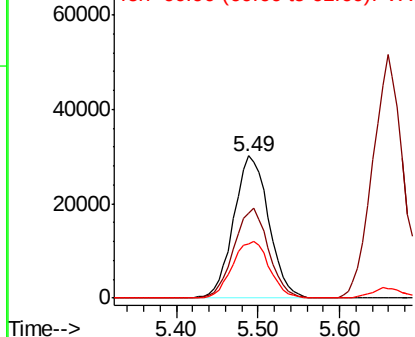
Lab File: VX004623.D

Acq: 17 Sep 2018 17:18

Tgt Ion:	97	Resp:	89696
Ion	Ratio	Lower	Upper
97	100		
99	62.5	52.0	78.0
61	42.6	34.9	52.3



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





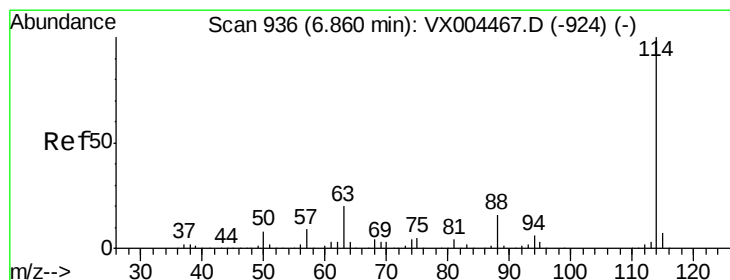
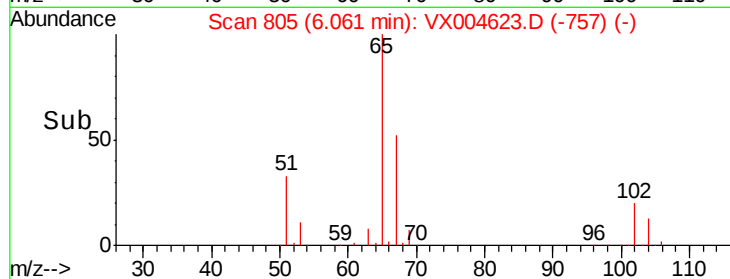
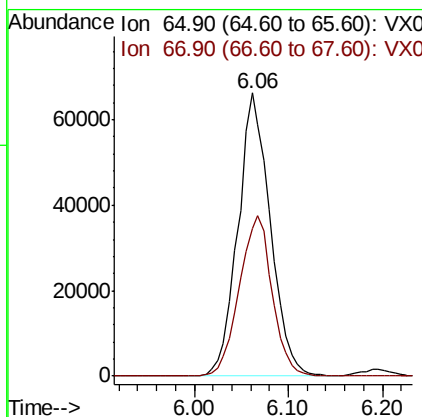
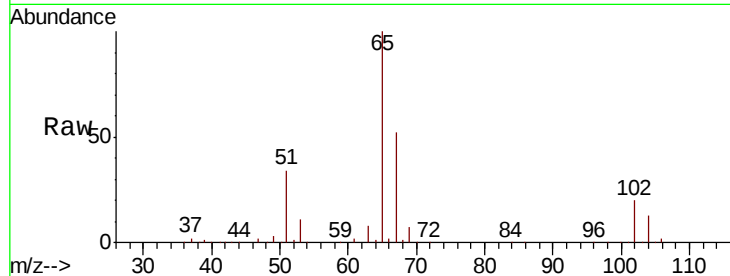
#33
 1,2-Dichloroethane-d4
 Concen: 45.49 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX004623.D
 Acq: 17 Sep 2018 17:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0917WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	159126		
67	57.5	0.0	106.8	

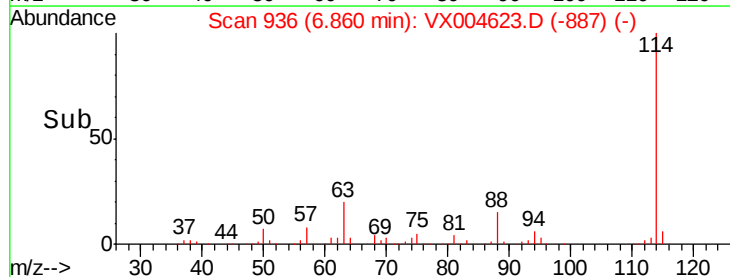
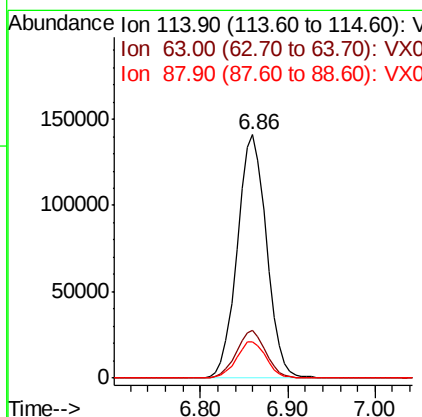
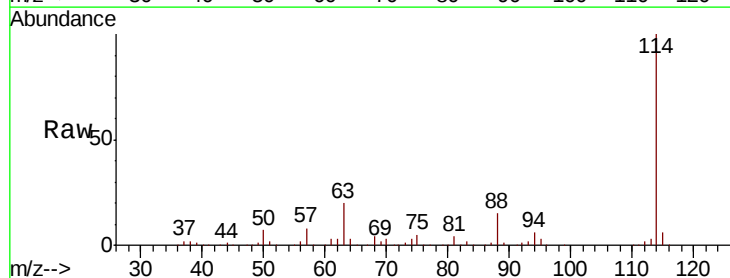
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004623.D
 Acq: 17 Sep 2018 17:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	328239		
63	19.7	0.0	39.0	
88	14.9	0.0	30.4	





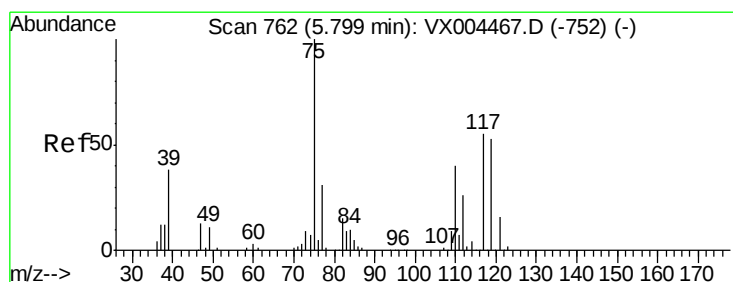
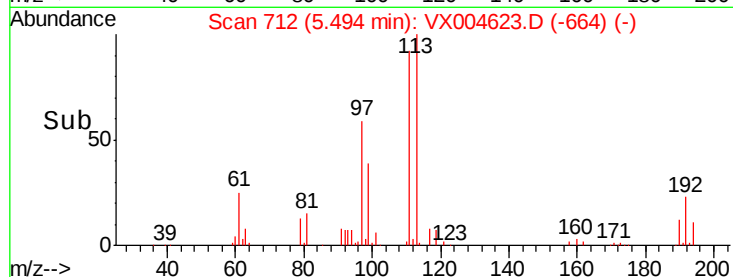
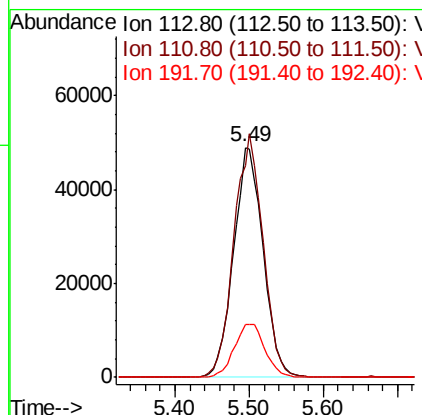
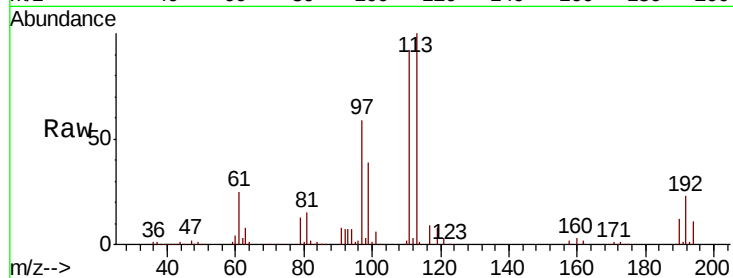
#35
 Dibromofluoromethane
 Concen: 45.44 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX004623.D
 Acq: 17 Sep 2018 17:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0917WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	136487		
111	104.0	82.4	123.6	
192	23.9	19.4	29.2	

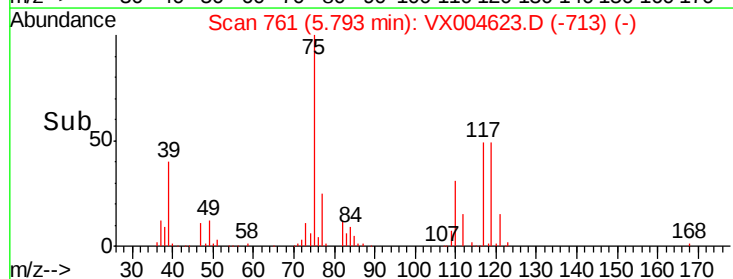
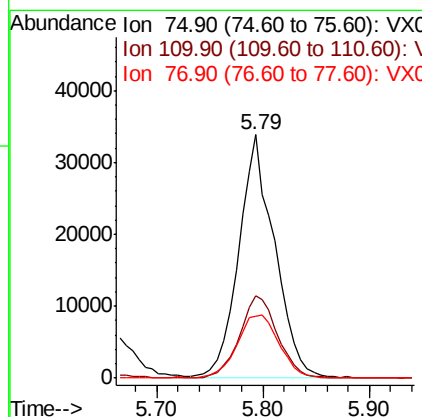
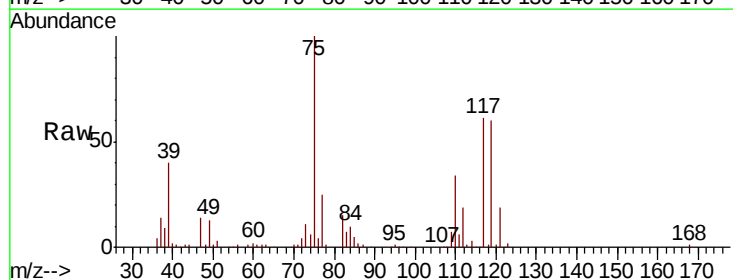
Manual Integrations
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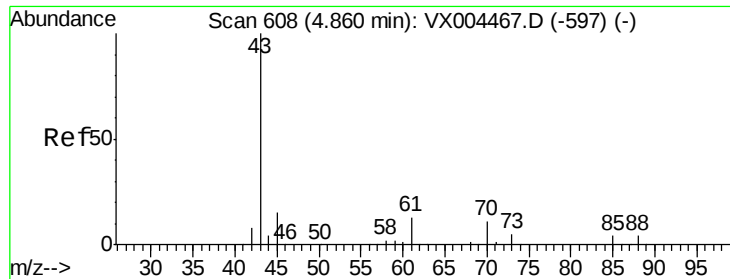
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#36
 1,1-Dichloropropene
 Concen: 19.87 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX004623.D
 Acq: 17 Sep 2018 17:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	79167		
110	36.1	18.0	54.0	
77	30.9	24.6	36.8	





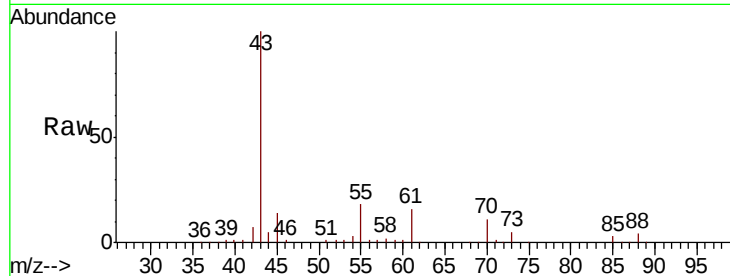
#37
Ethyl Acetate
Concen: 18.27 ug/l
RT: 4.85 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX004623.D
Acq: 17 Sep 2018 17:18

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.5	17.3
70	11.1	9.0	13.6

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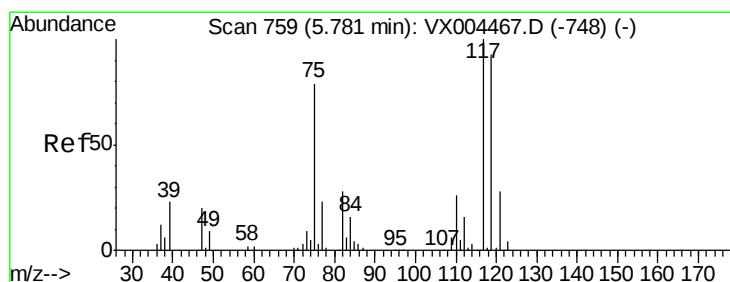
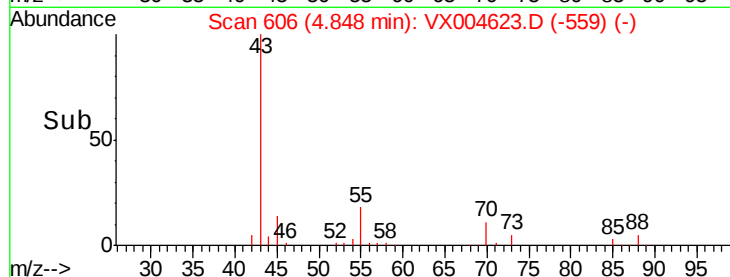
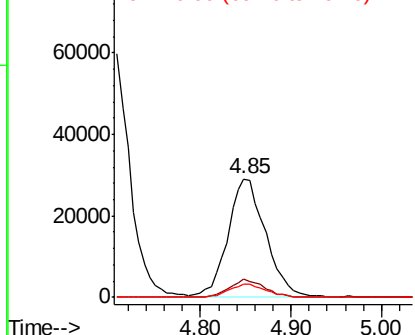


Abundance

Ion 43.00 (42.70 to 43.70): VX0

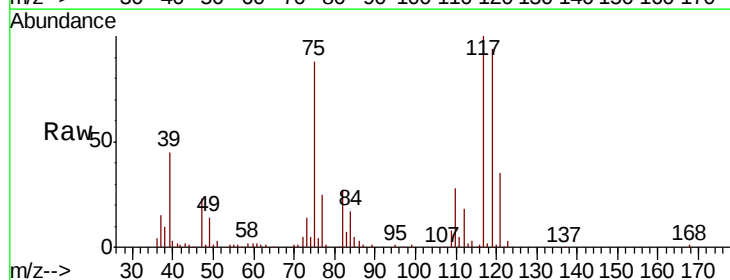
Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38
Carbon Tetrachloride
Concen: 19.54 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX004623.D
Acq: 17 Sep 2018 17:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.1	78.8	118.2
121	34.8	24.9	37.3

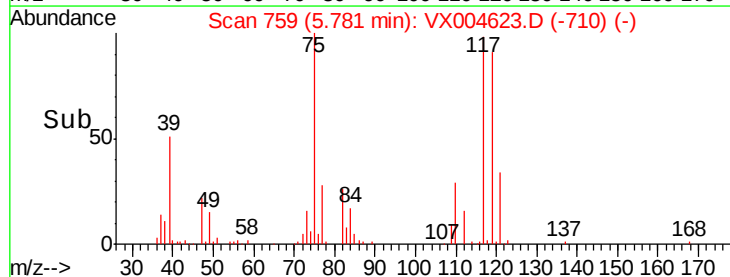
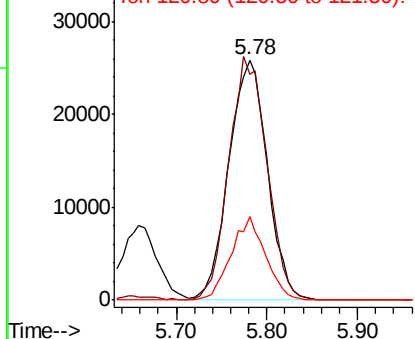


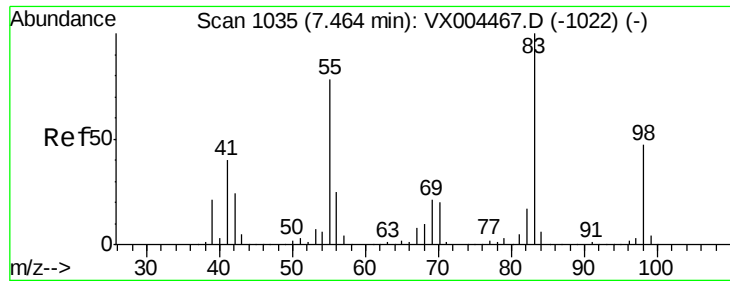
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





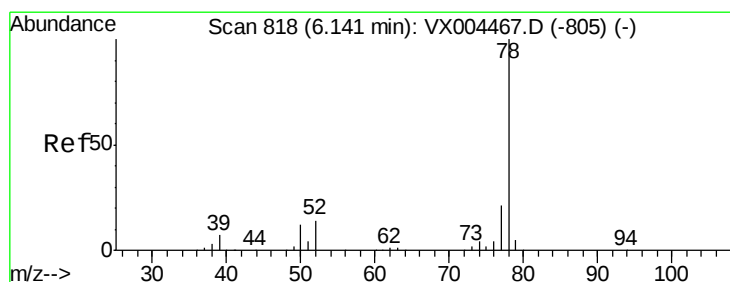
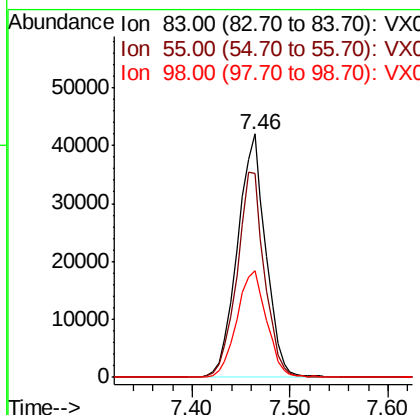
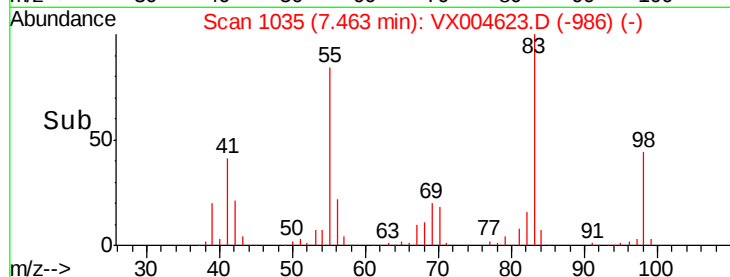
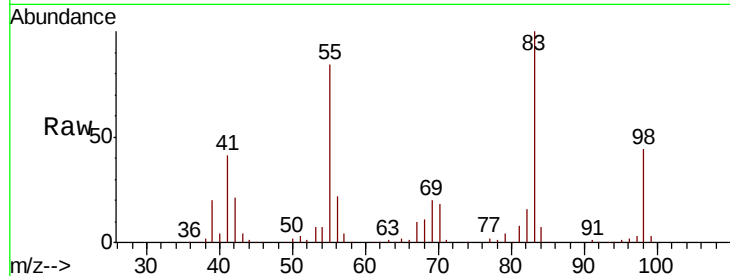
#39
Methvlcvclohexane
Concen: 20.34 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX004623.D
Acq: 17 Sep 2018 17:18

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.8	61.0	91.4
98	43.9	39.6	59.4

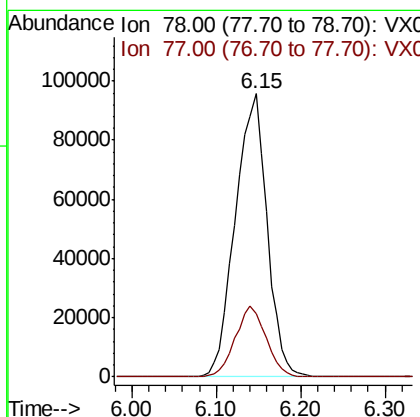
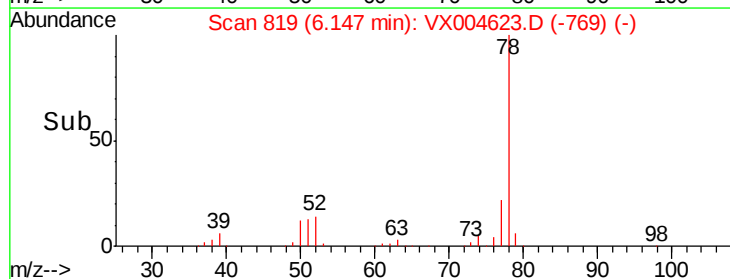
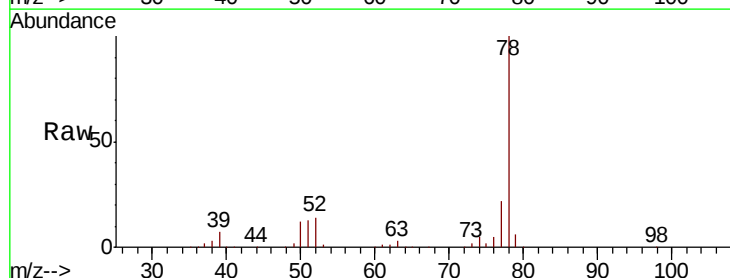
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#40
Benzene
Concen: 20.60 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX004623.D
Acq: 17 Sep 2018 17:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.1	19.0	28.4





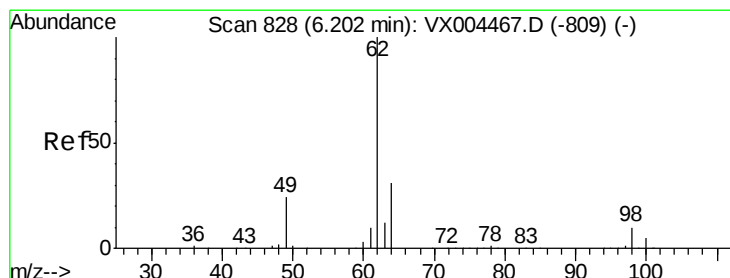
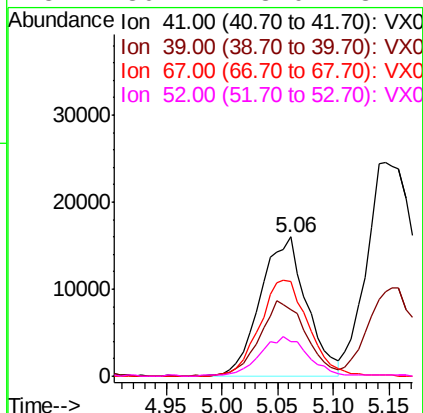
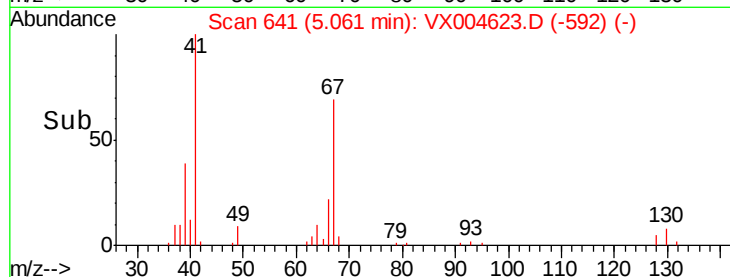
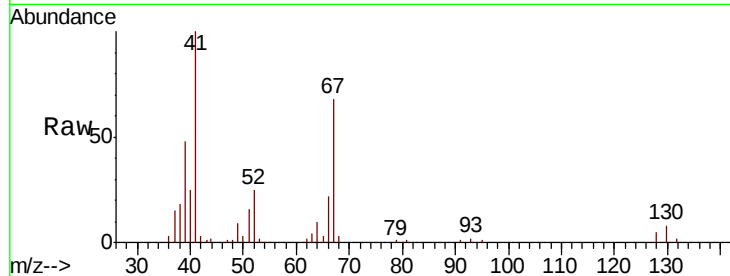
#41
Methacrylonitrile
Concen: 18.58 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX004623.D
Acq: 17 Sep 2018 17:18

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.4	42.4	63.6
67	72.2	59.2	88.8
52	30.2	23.0	34.4

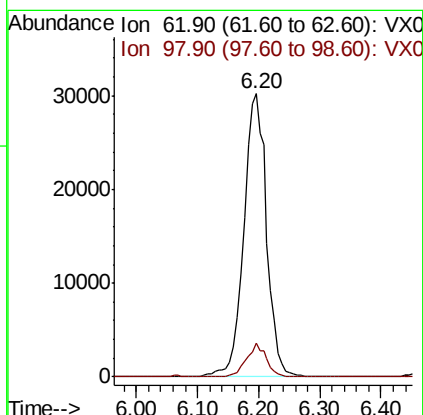
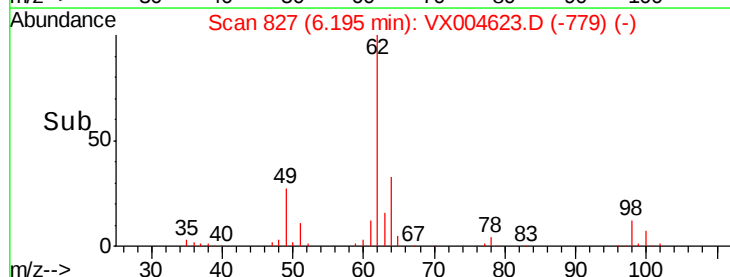
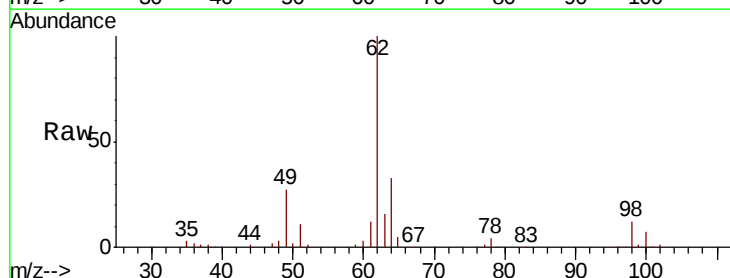
Manual Integrations
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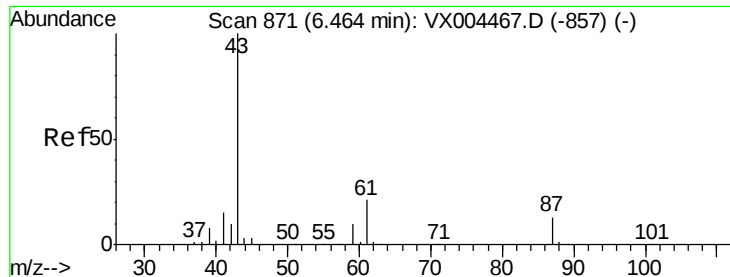
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.95 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.01 min
Lab File: VX004623.D
Acq: 17 Sep 2018 17:18

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.6





#43

Isopropyl Acetate

Concen: 19.42 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX004623.D

Acq: 17 Sep 2018 17:18

Instrument :

MSVOA_X

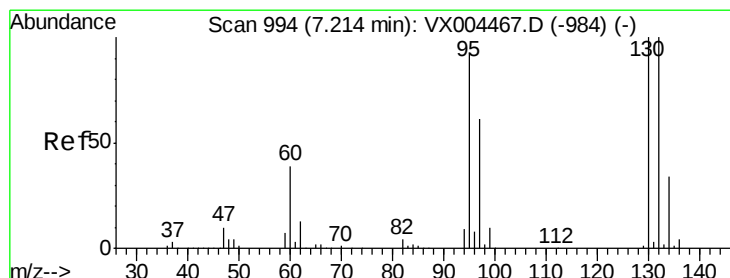
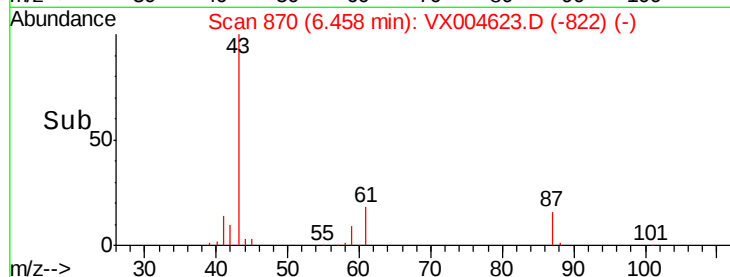
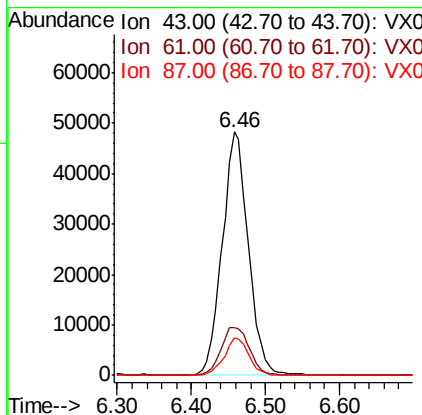
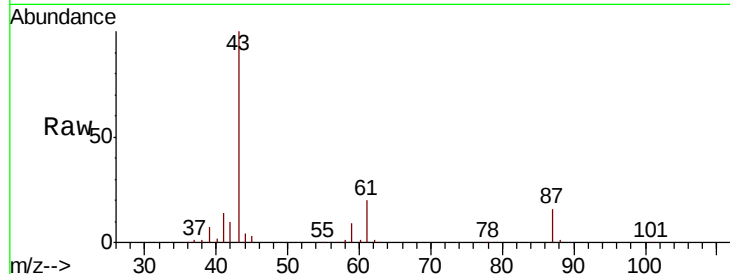
ClientSampleId :

VX0917WBS01

Tot Ion:	43	Resp:	116913
Ion	Ratio	Lower	Upper
43	100		
61	21.6	17.0	25.4
87	14.8	11.4	17.2

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#44

Trichloroethene

Concen: 19.79 ug/l

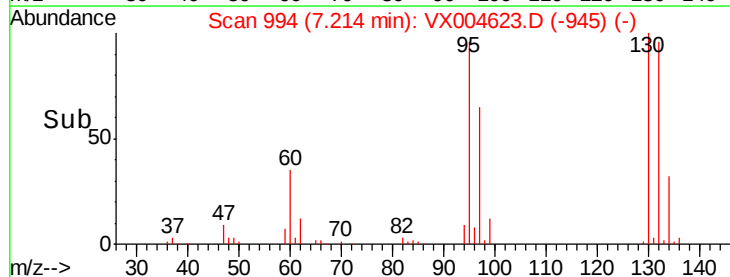
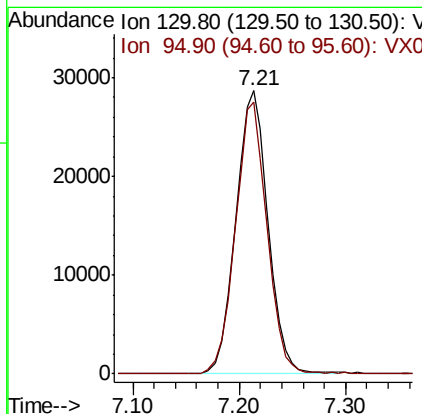
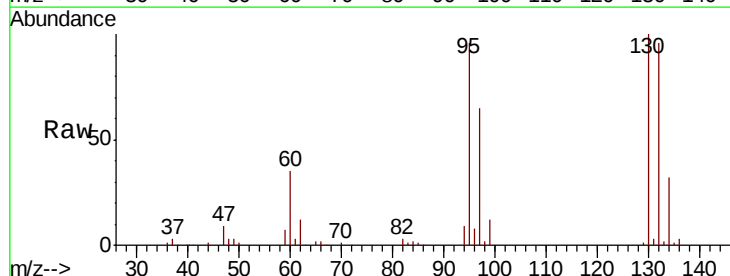
RT: 7.21 min Scan# 994

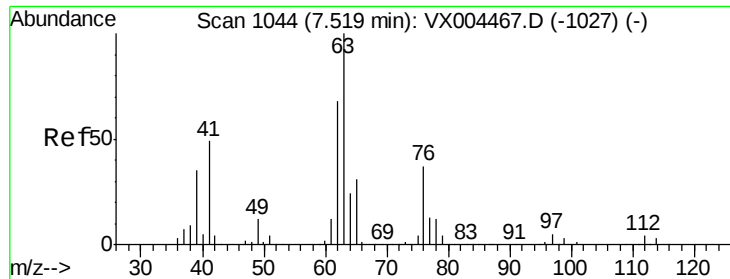
Delta R.T. -0.00 min

Lab File: VX004623.D

Acq: 17 Sep 2018 17:18

Tgt Ion:	130	Resp:	60789
Ion	Ratio	Lower	Upper
130	100		
95	96.1	0.0	181.6





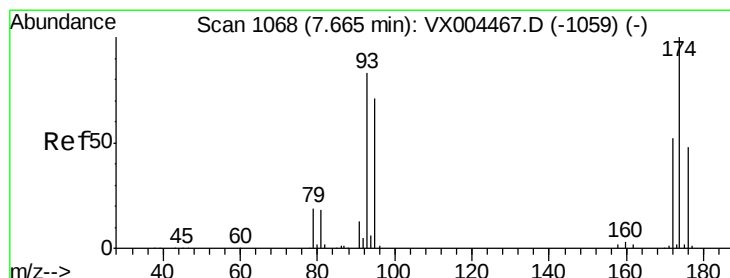
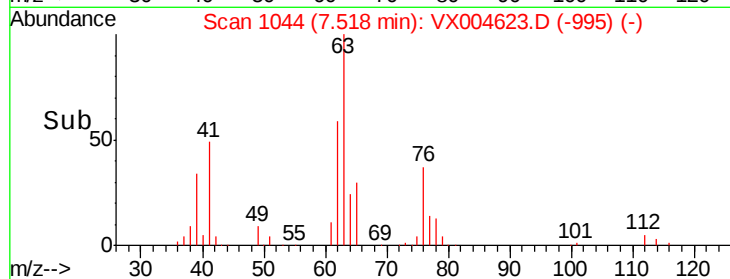
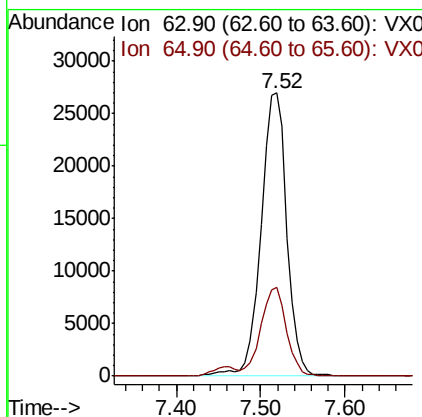
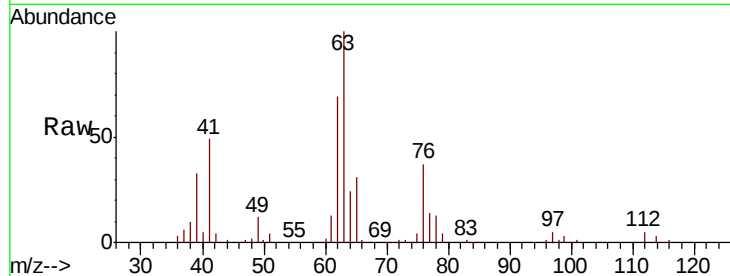
#45
1,2-Dichloropropane
Concen: 20.01 ug/l
RT: 7.52 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VX004623.D
Acq: 17 Sep 2018 17:18

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	24.3	36.5

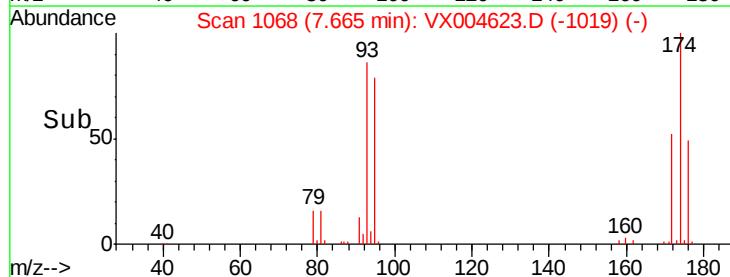
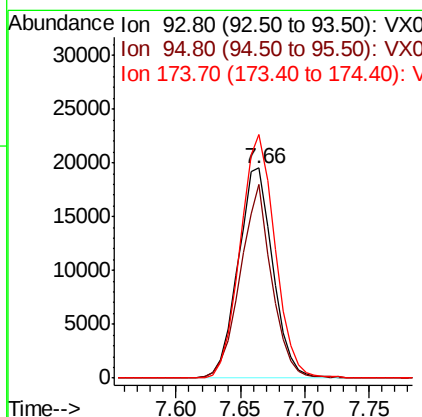
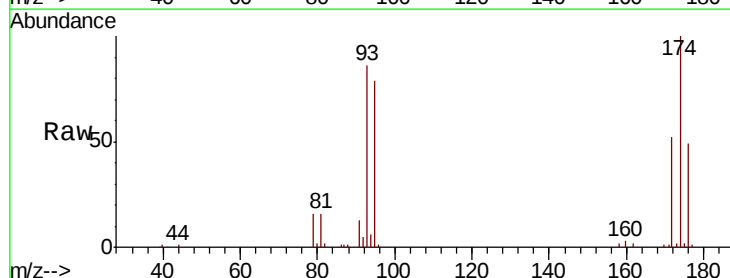
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#46
Dibromomethane
Concen: 20.24 ug/l
RT: 7.66 min Scan# 1068
Delta R.T. -0.00 min
Lab File: VX004623.D
Acq: 17 Sep 2018 17:18

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.5	65.5	98.3
174	116.1	94.2	141.4





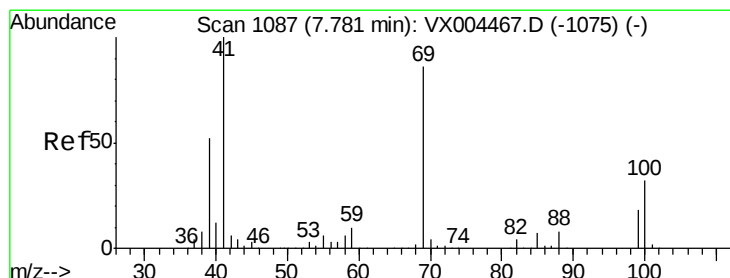
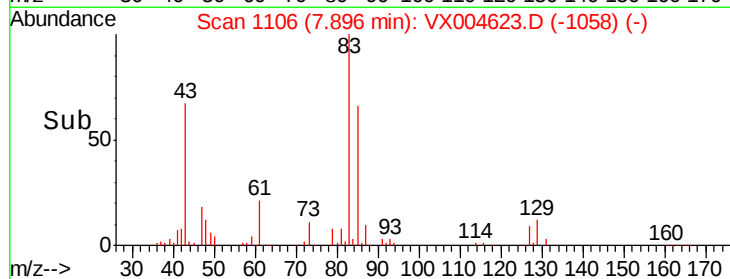
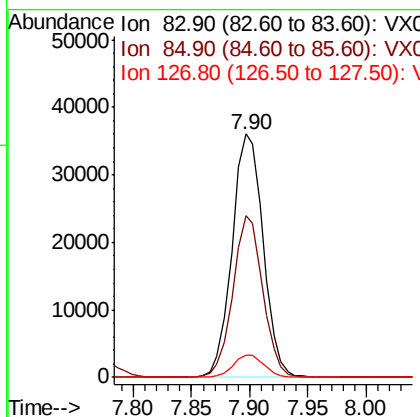
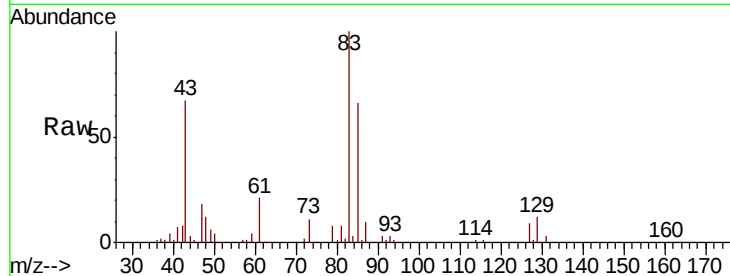
#47
 Bromodichloromethane
 Concen: 19.73 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. -0.01 min
 Lab File: VX004623.D
 Acq: 17 Sep 2018 17:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0917WBS01

Tot Ion	83	Resp	67048
Ion Ratio	Lower	Upper	
83	100		
85	66.3	50.9	76.3
127	9.2	7.3	10.9

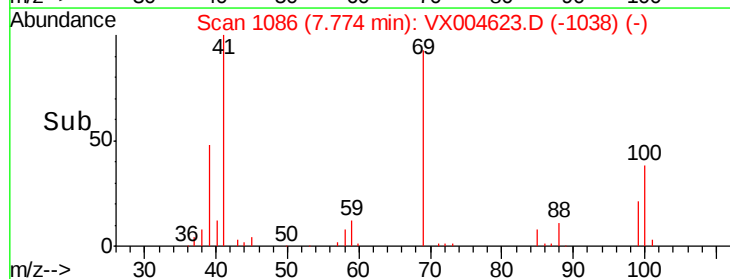
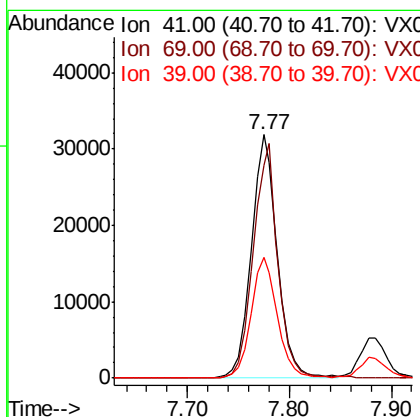
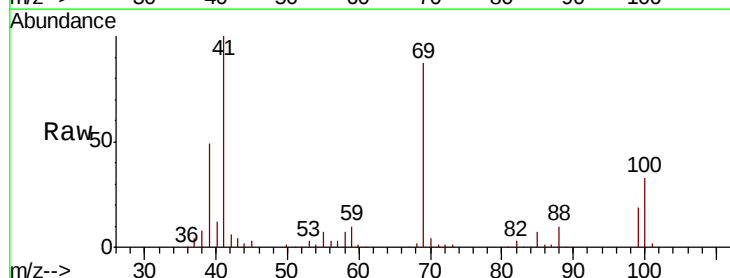
Manual Integrations
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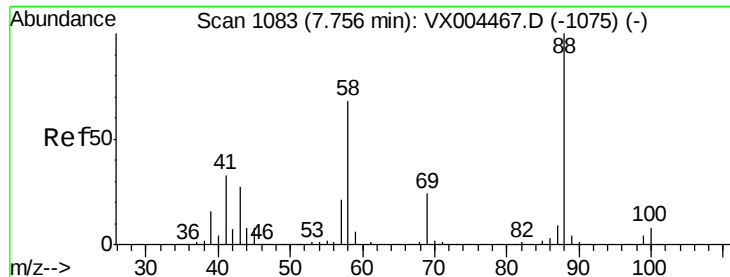
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#48
 Methyl methacrylate
 Concen: 18.98 ug/l
 RT: 7.77 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: VX004623.D
 Acq: 17 Sep 2018 17:18

Tgt Ion	41	Resp	56559
Ion Ratio	Lower	Upper	
41	100		
69	91.7	70.2	105.4
39	50.3	42.7	64.1





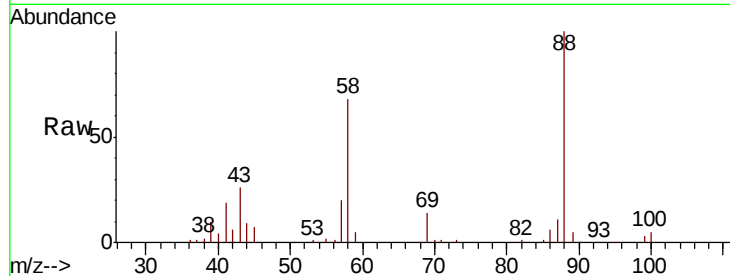
#49
1,4-Dioxane
Concen: 391.14 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX004623.D
Acq: 17 Sep 2018 17:18

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

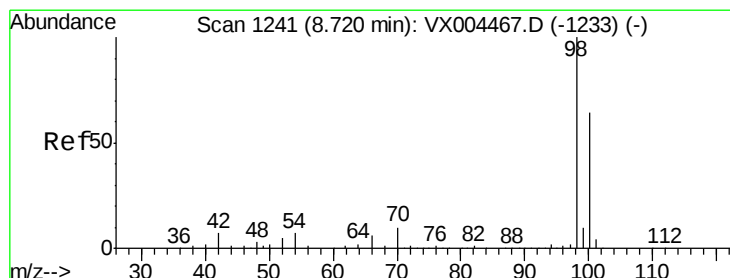
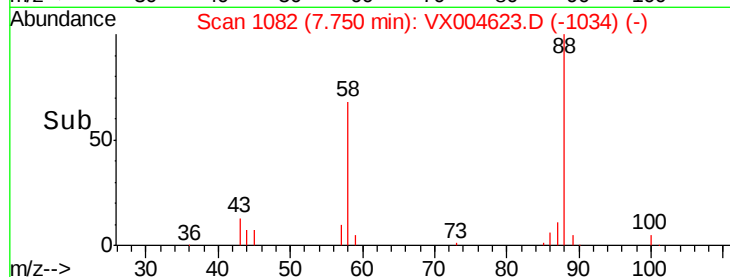
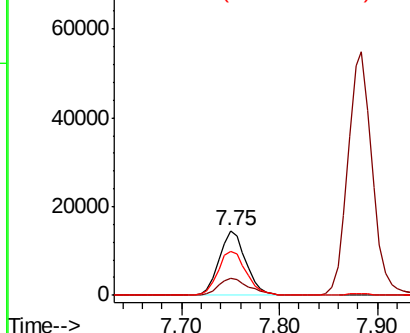
Tot Ion	Ratio	Lower	Upper
88	100		
43	31.0	24.7	37.1
58	72.6	55.3	82.9

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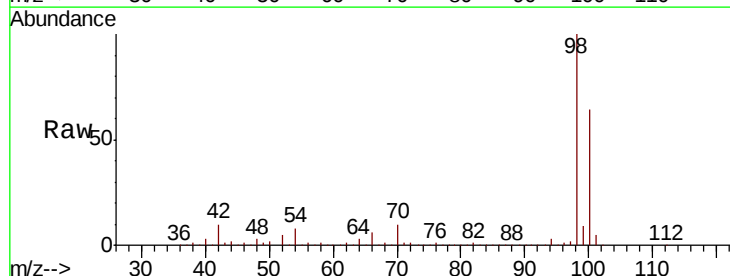


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

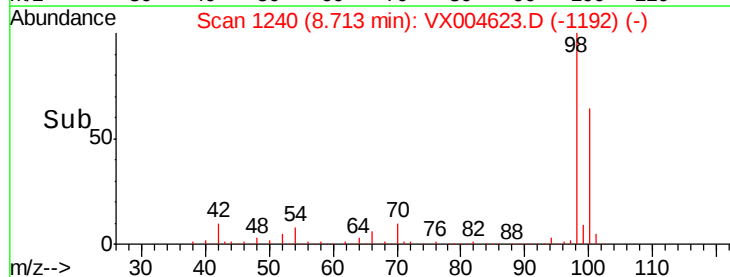
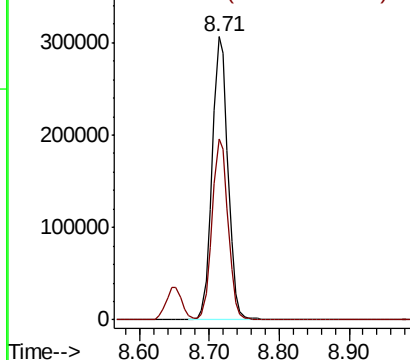


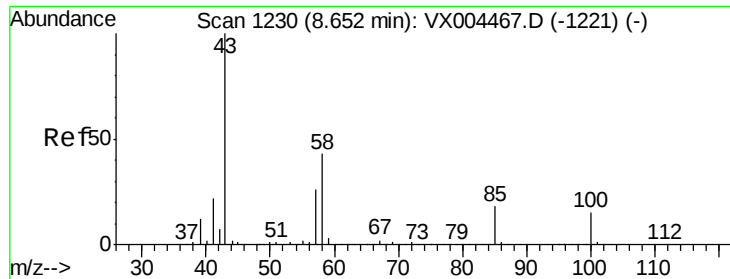
#50
Toluene-d8
Concen: 47.70 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX004623.D
Acq: 17 Sep 2018 17:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	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: 87.10 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX004623.D

Acq: 17 Sep 2018 17:18

Instrument :

MSVOA_X

ClientSampleId :

VX0917WBS01

Tot Ion: 43 Resp: 370009

Ion Ratio Lower Upper

43 100

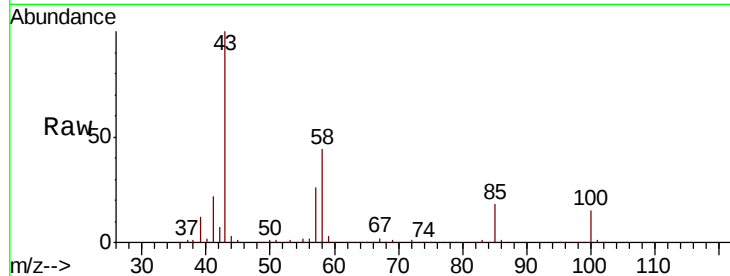
58 40.9 33.1 49.7

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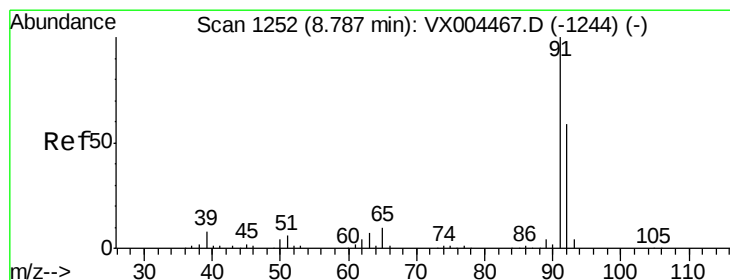
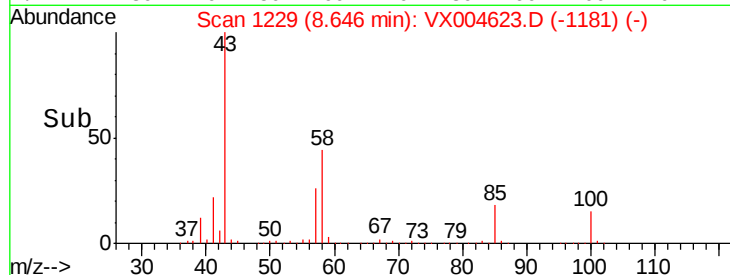
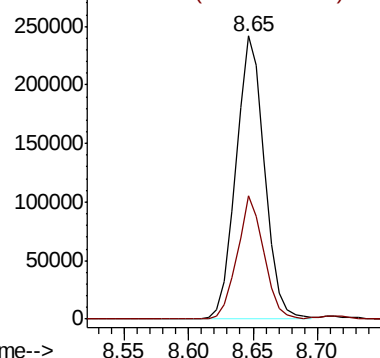
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.39 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX004623.D

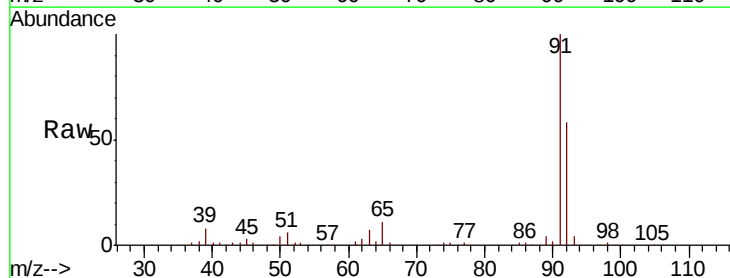
Acq: 17 Sep 2018 17:18

Tgt Ion: 92 Resp: 135091

Ion Ratio Lower Upper

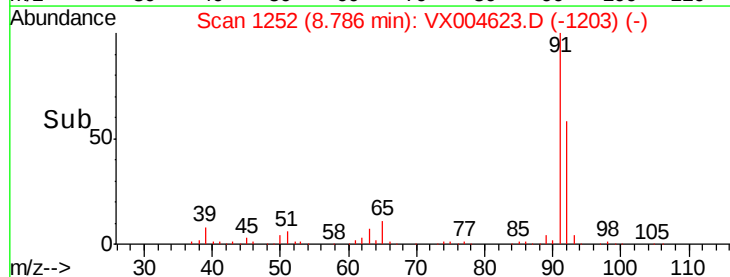
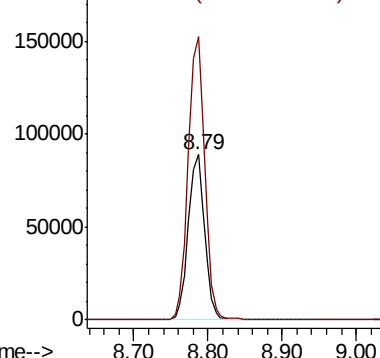
92 100

91 173.5 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





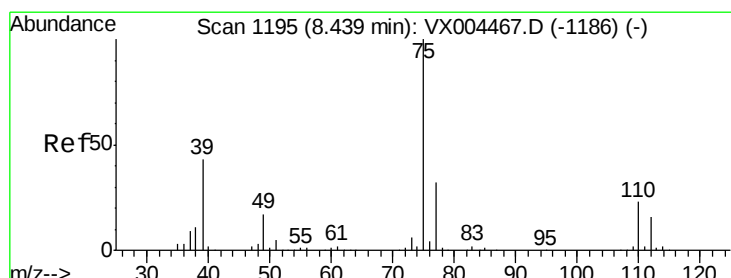
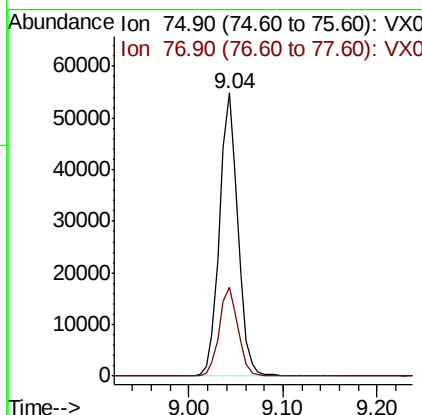
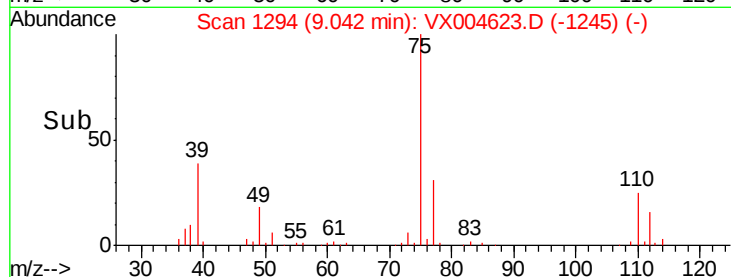
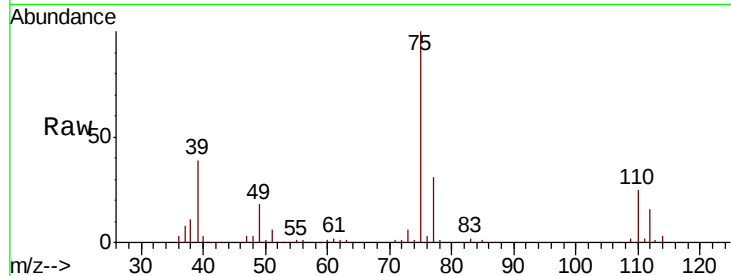
#53
t-1,3-Dichloropropene
Concen: 18.73 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX004623.D
Acq: 17 Sep 2018 17:18

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tot Ion: 75 Resp: 74388
Ion Ratio Lower Upper
75 100
77 31.2 24.6 37.0

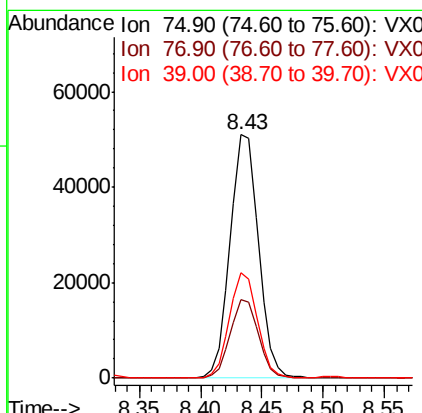
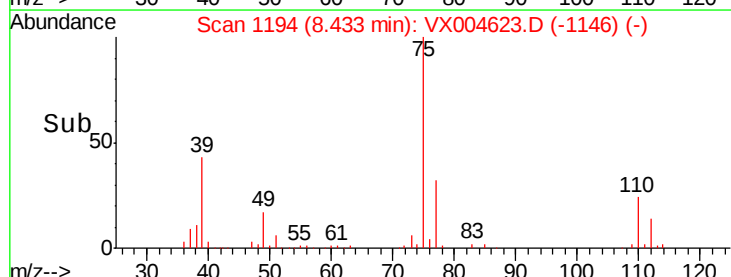
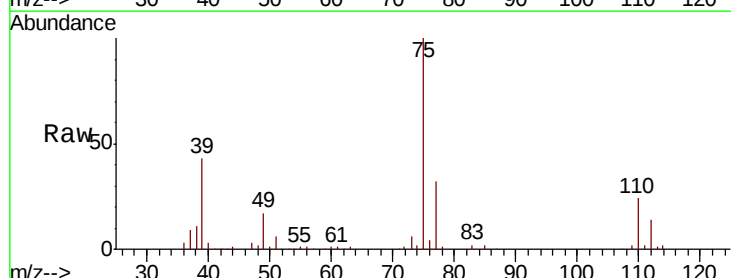
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#54
cis-1,3-Dichloropropene
Concen: 20.26 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.01 min
Lab File: VX004623.D
Acq: 17 Sep 2018 17:18

Tgt Ion: 75 Resp: 81993
Ion Ratio Lower Upper
75 100
77 32.5 26.2 39.2
39 43.2 36.4 54.6





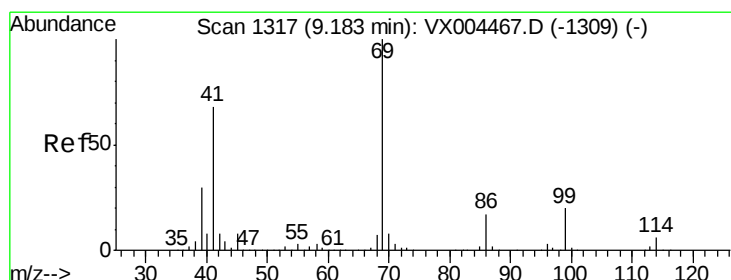
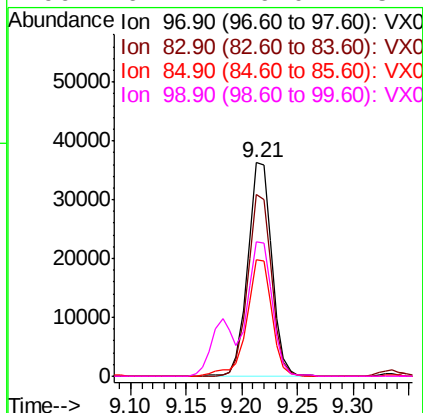
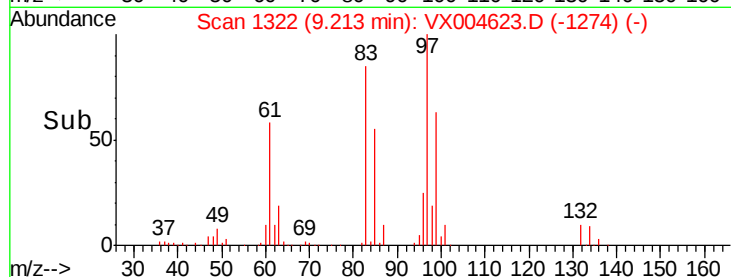
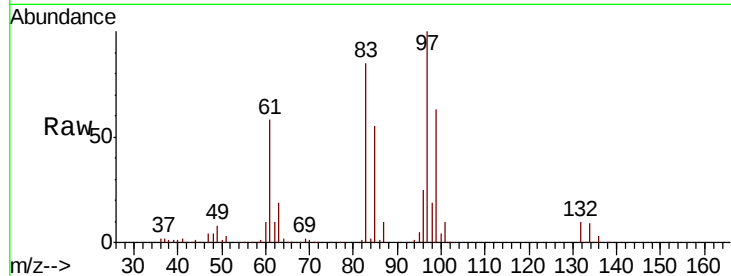
#55
 1,1,2-Trichloroethane
 Concen: 18.17 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX004623.D
 Acq: 17 Sep 2018 17:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0917WBS01

Tot Ion:	97	Resp:	54490
Ion	Ratio	Lower	Upper
97	100		
83	85.0	66.4	99.6
85	54.7	43.3	64.9
99	62.7	49.0	73.4

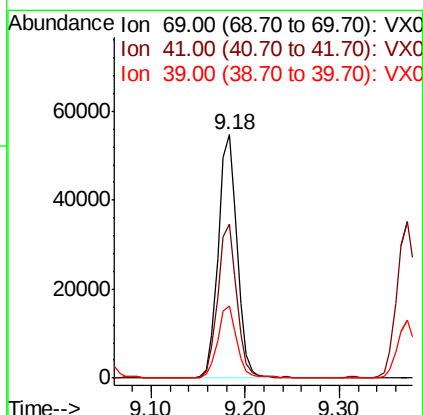
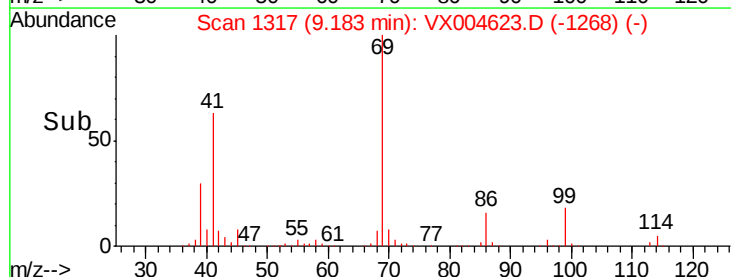
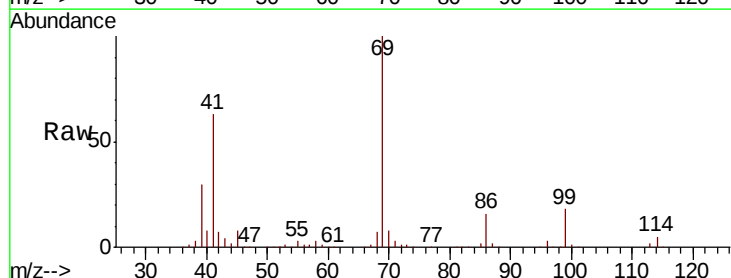
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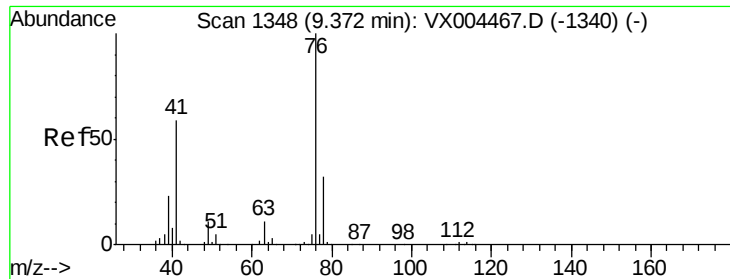
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#56
 Ethyl methacrylate
 Concen: 18.01 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX004623.D
 Acq: 17 Sep 2018 17:18

Tgt Ion:	69	Resp:	76406
Ion	Ratio	Lower	Upper
69	100		
41	62.9	51.0	76.4
39	29.9	26.1	39.1





#57

1,3-Dichloropropane

Concen: 18.47 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX004623.D

Acq: 17 Sep 2018 17:18

Instrument :

MSVOA_X

ClientSampleId :

VX0917WBS01

Tot Ion: 76 Resp: 90035

Ion Ratio Lower Upper

76 100

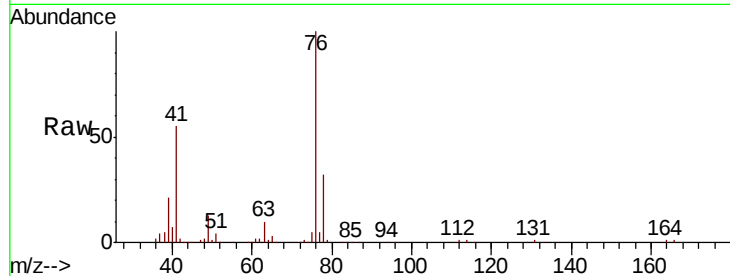
78 32.0 25.5 38.3

Manual Integrations

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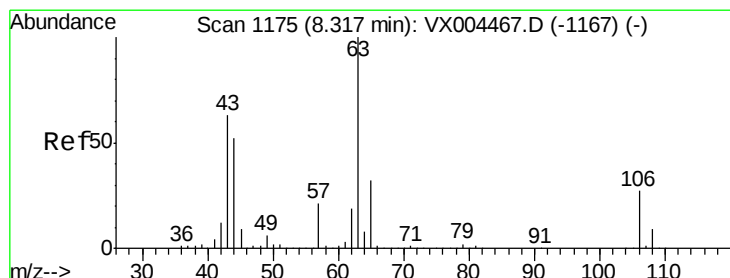
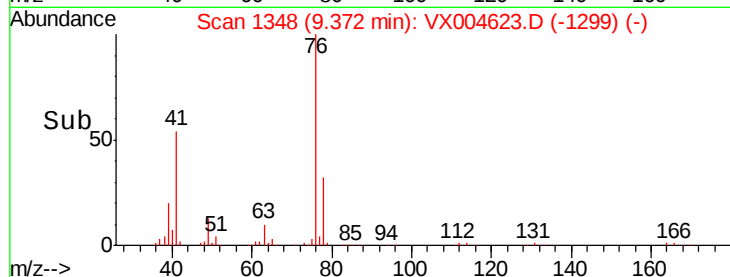
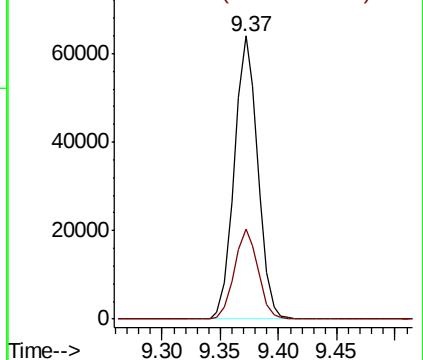
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 94.73 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VX004623.D

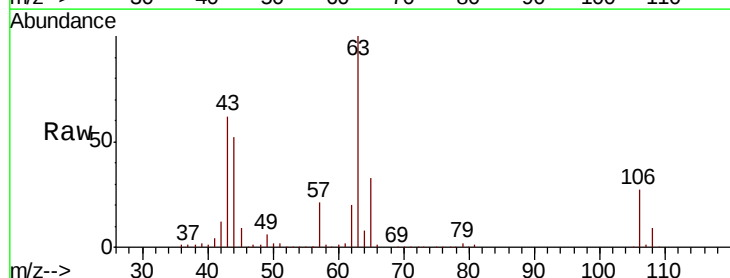
Acq: 17 Sep 2018 17:18

Tgt Ion: 63 Resp: 194754

Ion Ratio Lower Upper

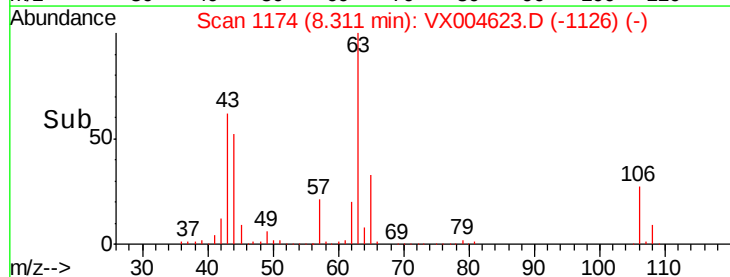
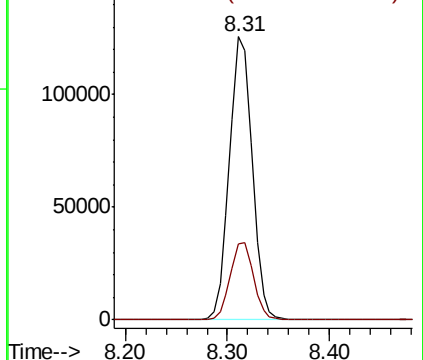
63 100

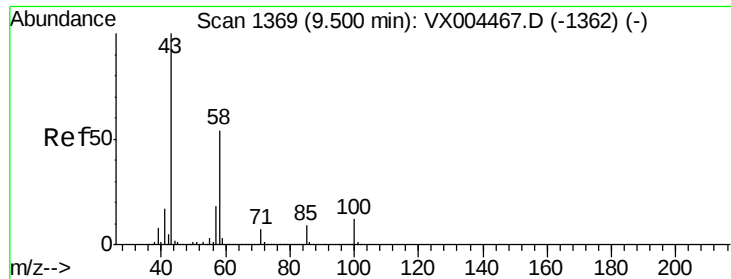
106 27.7 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





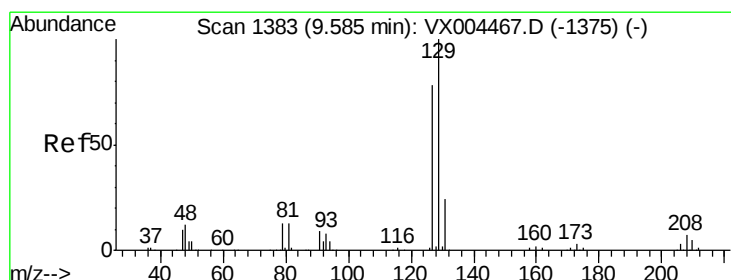
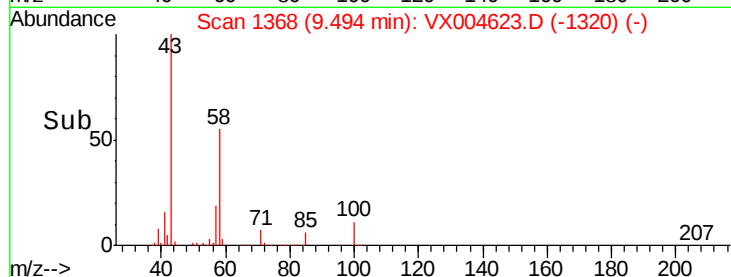
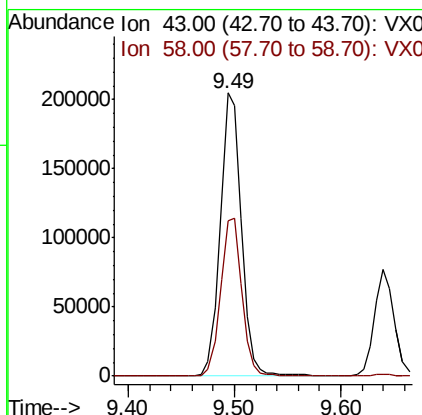
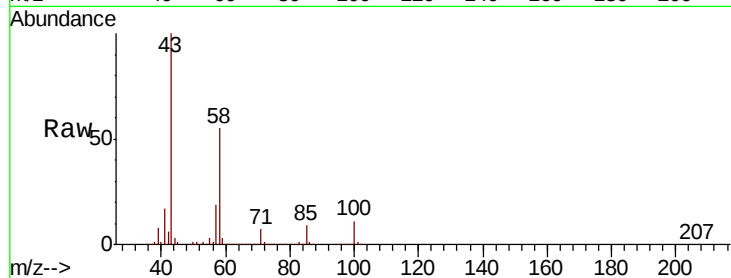
#59
2-Hexanone
Concen: 87.18 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX004623.D
Acq: 17 Sep 2018 17:18

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tot Ion: 43 Resp: 284089
Ion Ratio Lower Upper
43 100
58 56.3 29.0 87.0

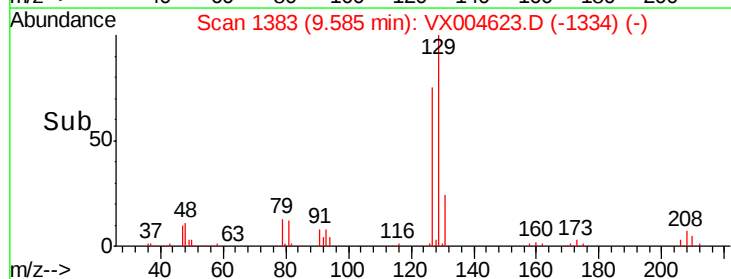
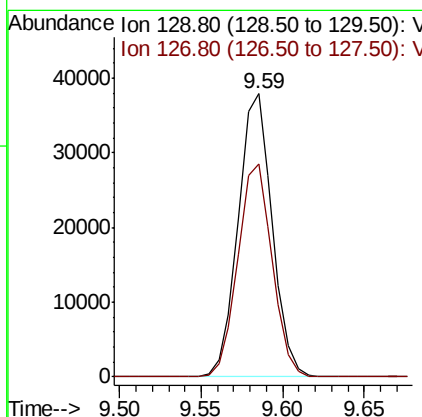
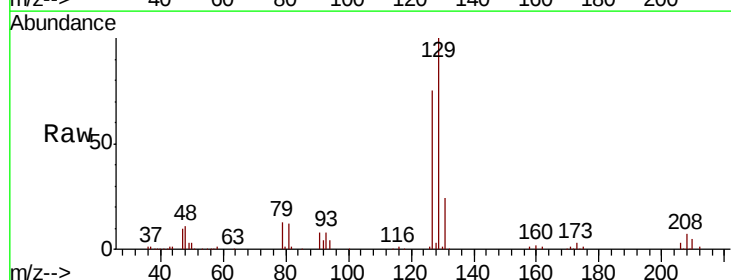
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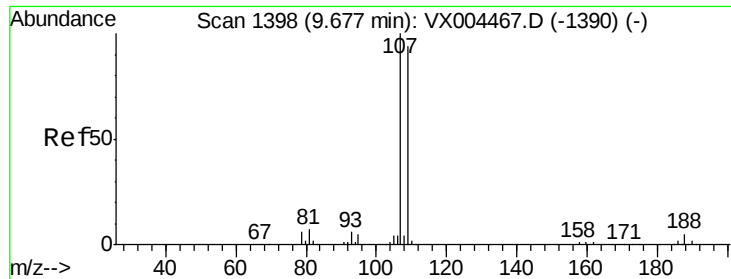
MMDadoda
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#60
Dibromochloromethane
Concen: 19.47 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004623.D
Acq: 17 Sep 2018 17:18

Tgt Ion: 129 Resp: 54977
Ion Ratio Lower Upper
129 100
127 75.9 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.44 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VX004623.D

Acq: 17 Sep 2018 17:18

Instrument :

MSVOA_X

ClientSampleId :

VX0917WBS01

Tot Ion:107 Resp: 55703

Ion Ratio Lower Upper

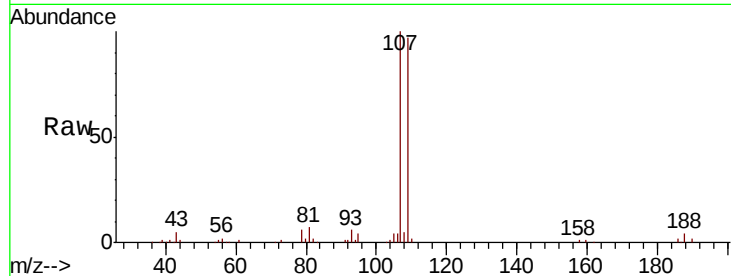
107 100

109 96.1 76.0 114.0

Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

40000

30000

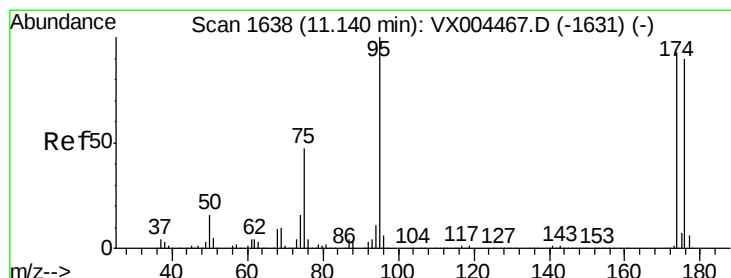
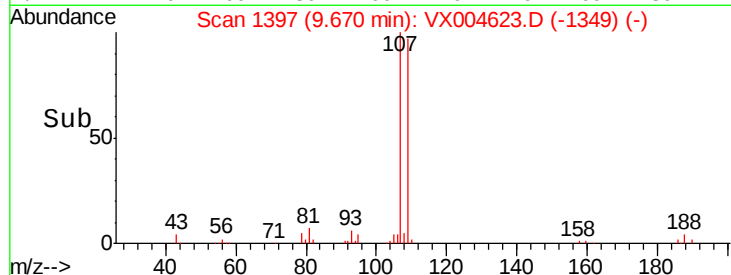
20000

10000

0

Time-->

9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 48.36 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004623.D

Acq: 17 Sep 2018 17:18

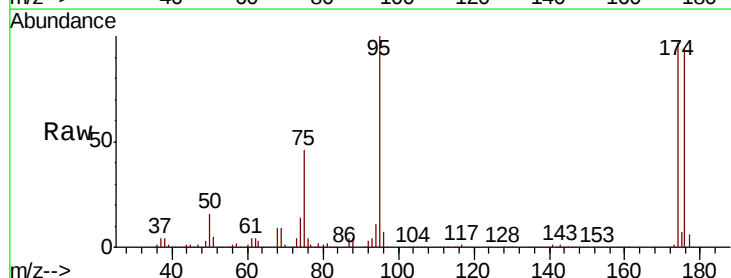
Tgt Ion: 95 Resp: 173884

Ion Ratio Lower Upper

95 100

174 94.0 0.0 185.2

176 91.6 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

150000

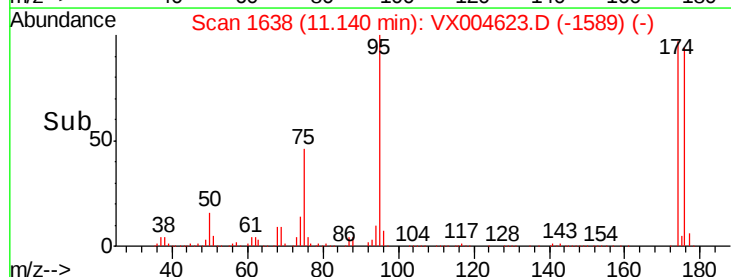
100000

50000

0

Time-->

11.10 11.20





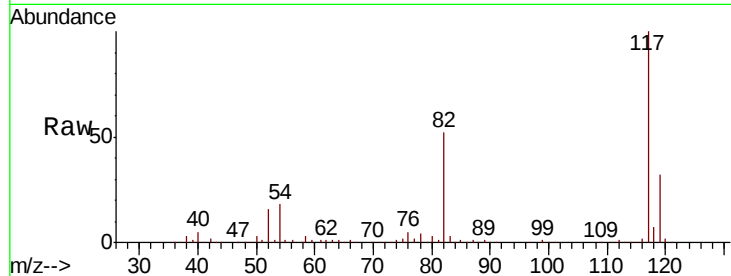
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004623.D
Acq: 17 Sep 2018 17:18

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	47.8	71.6
119	31.7	29.3	43.9

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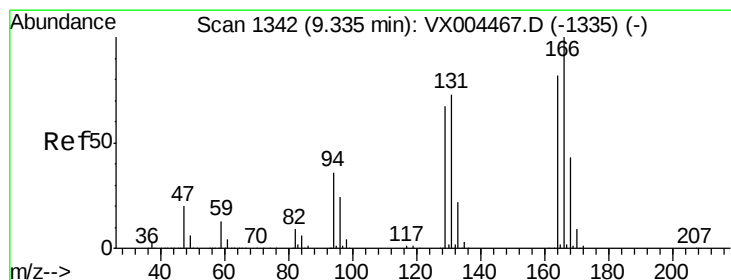
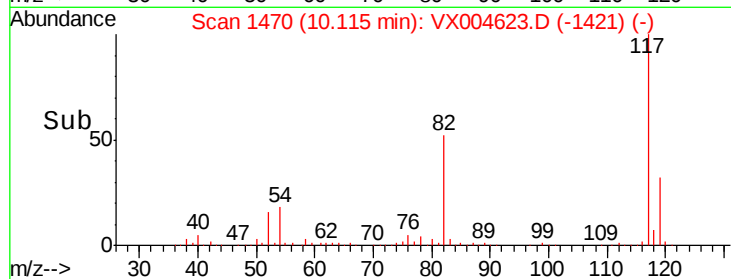
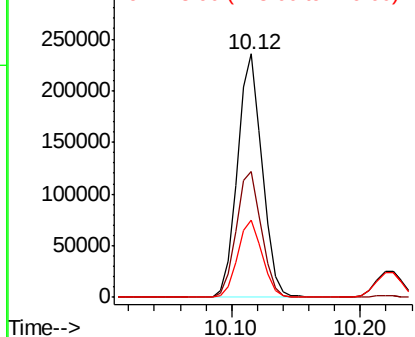


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 17.56 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004623.D
Acq: 17 Sep 2018 17:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.8	102.8	154.2
129	90.3	69.4	104.0
131	85.5	67.9	101.9

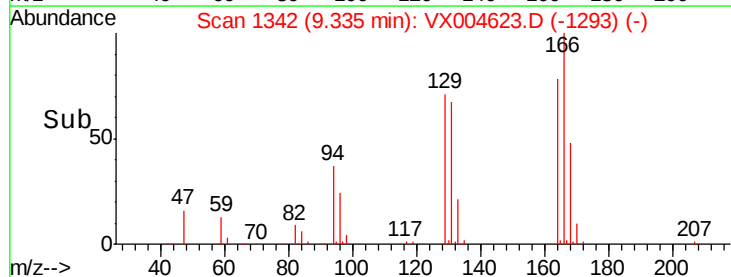
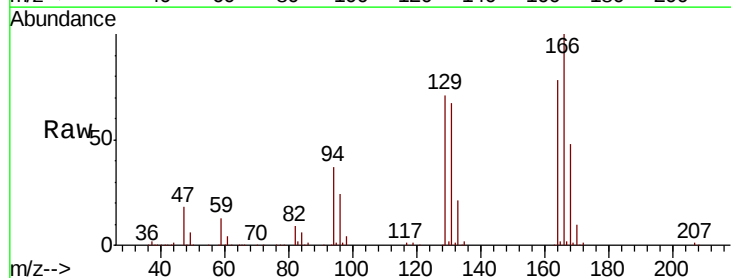
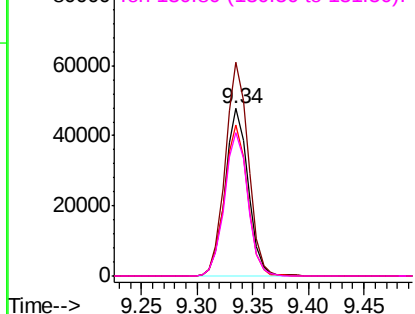
Abundance

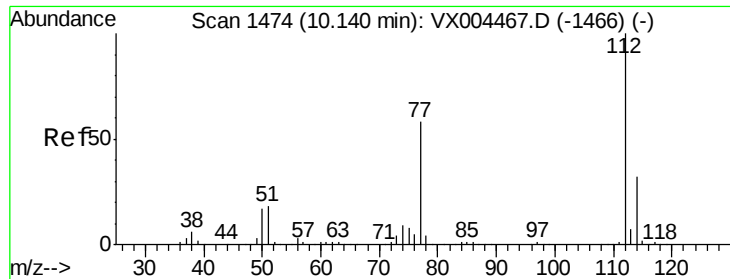
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.72 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX004623.D

Acq: 17 Sep 2018 17:18

Instrument :

MSVOA_X

ClientSampleId :

VX0917WBS01

Tot Ion:112 Resp: 153105

Ion Ratio Lower Upper

112 100

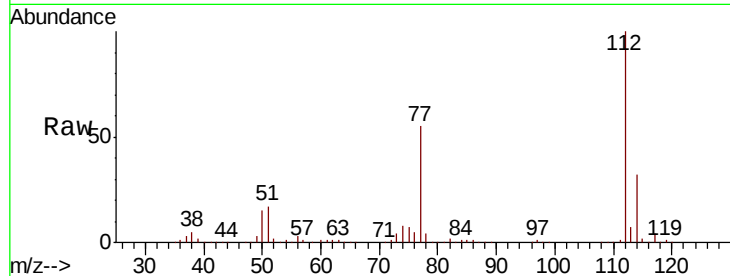
114 32.0 27.8 41.8

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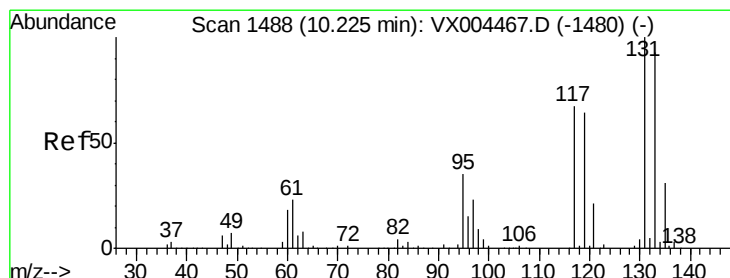
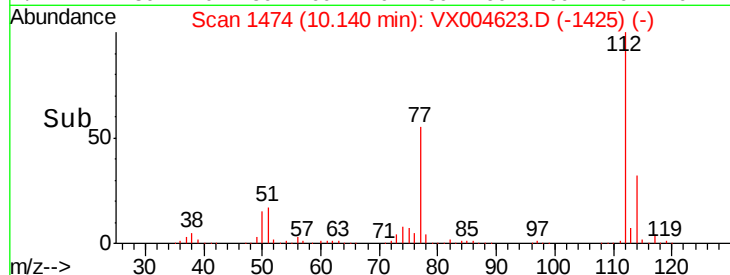
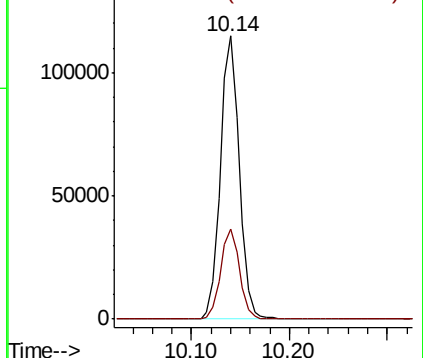
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.84 ug/l

RT: 10.23 min Scan# 1488

Delta R.T. -0.00 min

Lab File: VX004623.D

Acq: 17 Sep 2018 17:18

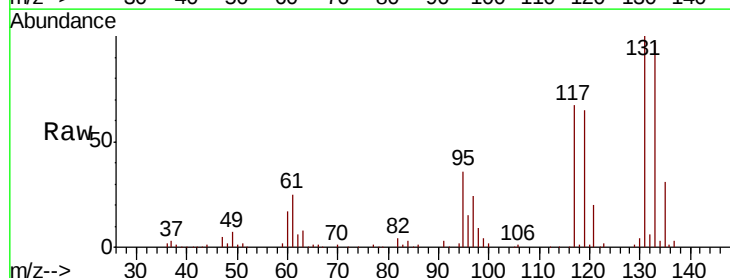
Tgt Ion:131 Resp: 53106

Ion Ratio Lower Upper

131 100

133 96.4 48.1 144.4

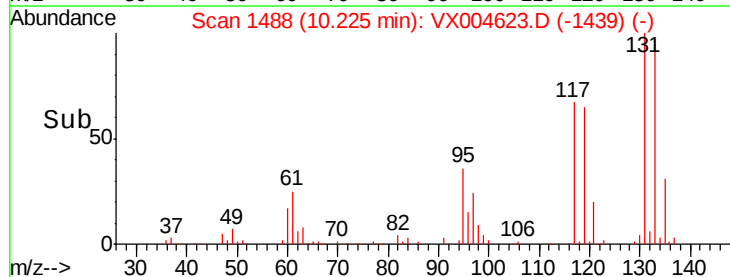
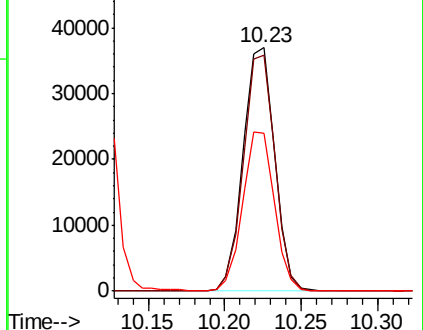
119 65.4 32.9 98.6

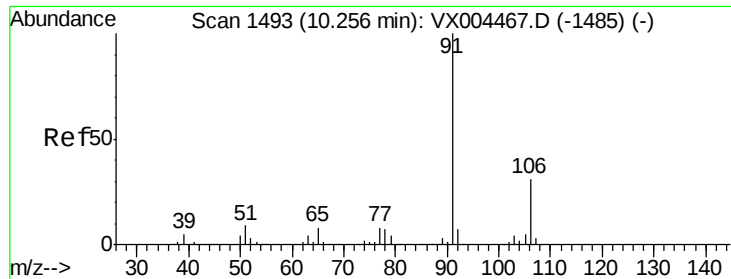


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.94 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VX004623.D

Acq: 17 Sep 2018 17:18

Instrument :

MSVOA_X

ClientSampleId :

VX0917WBS01

Tot Ion: 91 Resp: 251687

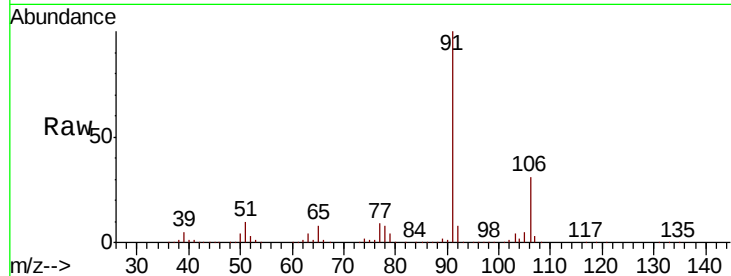
Ion Ratio Lower Upper

91 100

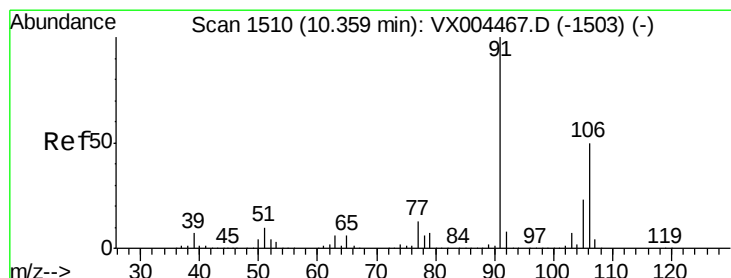
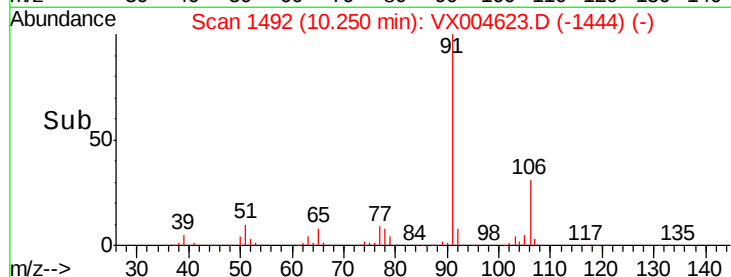
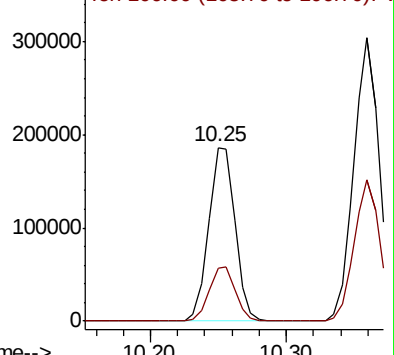
106 30.7 25.9 38.9

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Abundance Ion 91.00 (90.70 to 91.70): VX004467.D (-1485) (-)



#68

m/p-Xylenes

Concen: 41.17 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX004623.D

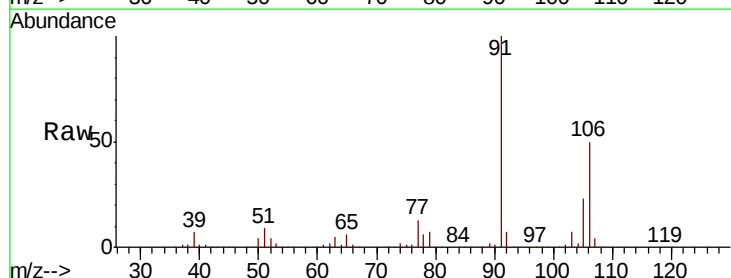
Acq: 17 Sep 2018 17:18

Tgt Ion: 106 Resp: 200206

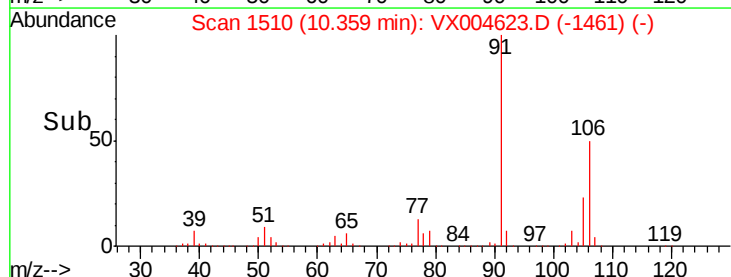
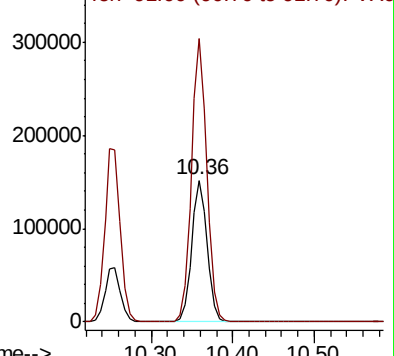
Ion Ratio Lower Upper

106 100

91 199.5 157.1 235.7



Abundance Ion 106.00 (105.70 to 106.70): VX004467.D (-1503) (-)





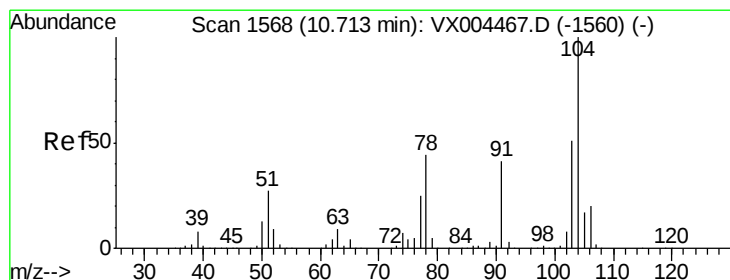
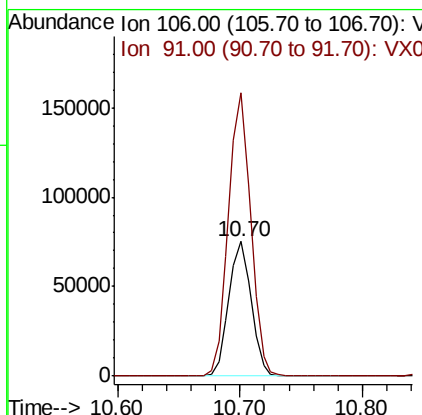
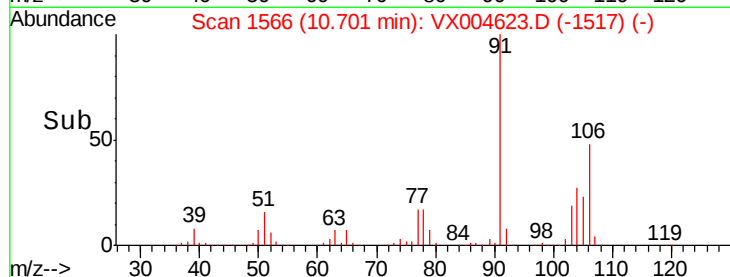
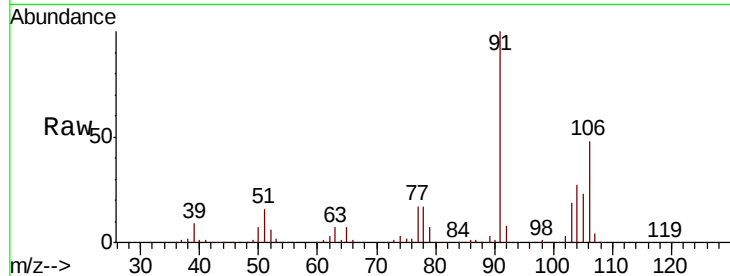
#69
o-Xylene
Concen: 20.44 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004623.D
Acq: 17 Sep 2018 17:18

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.3	105.1	315.1

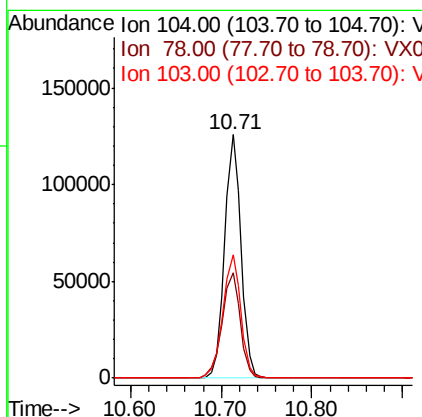
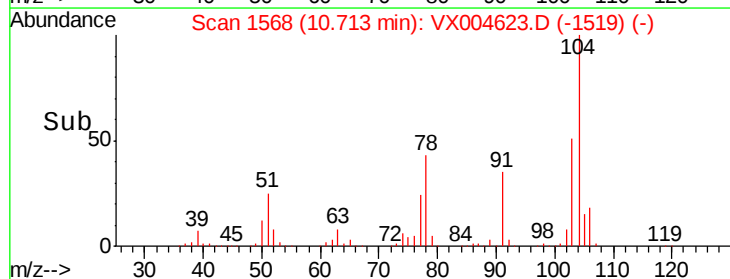
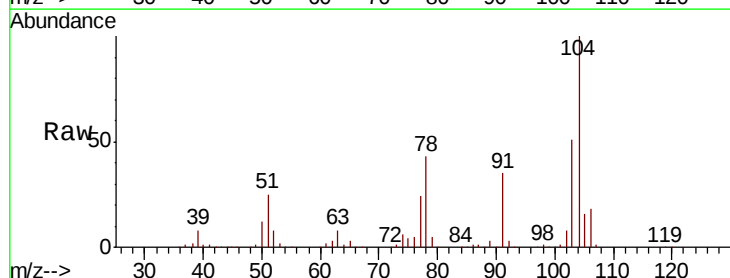
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#70
Styrene
Concen: 20.52 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004623.D
Acq: 17 Sep 2018 17:18

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.2	37.4	56.0
103	55.6	43.8	65.6





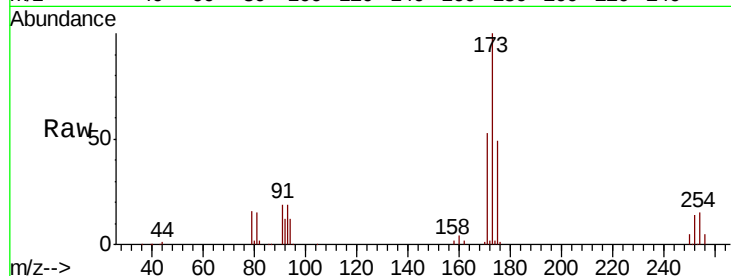
#71
Bromoform
Concen: 19.01 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX004623.D
Acq: 17 Sep 2018 17:18

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.1	72.3
254	0.0	0.2	0.2

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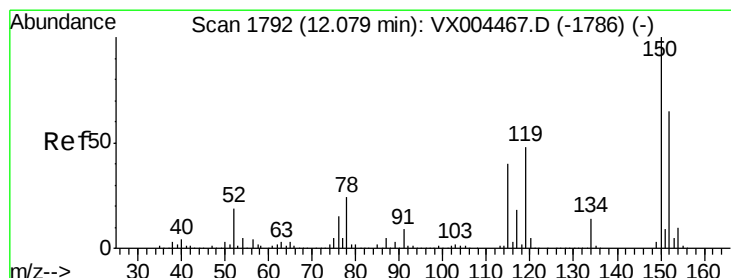
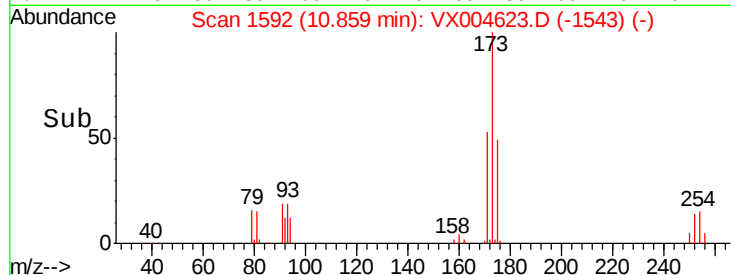
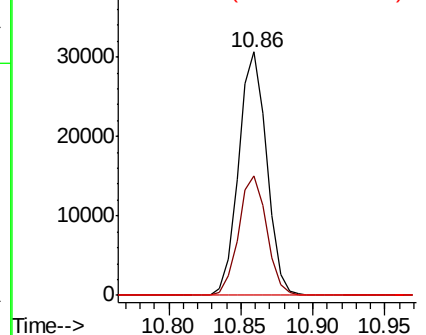


Abundance

Ion 172.70 (172.40 to 173.40): V

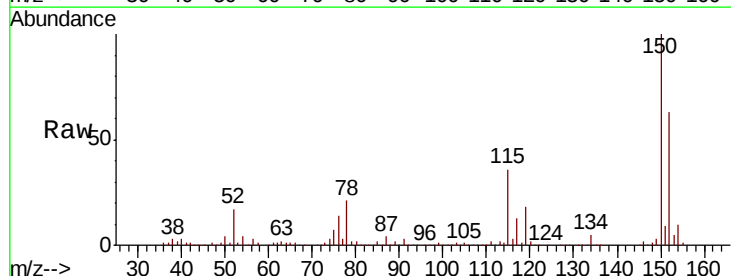
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004623.D
Acq: 17 Sep 2018 17:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.1	39.0	117.0
150	164.5	0.0	351.0

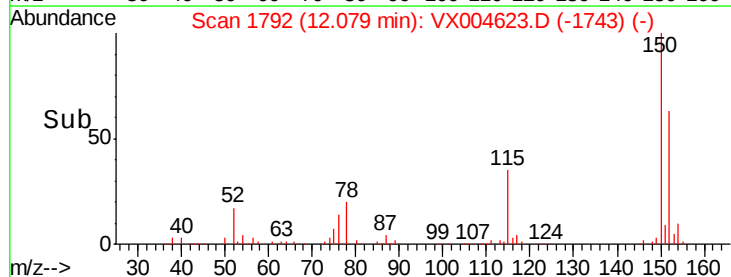
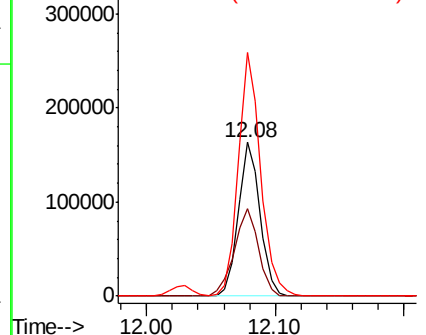


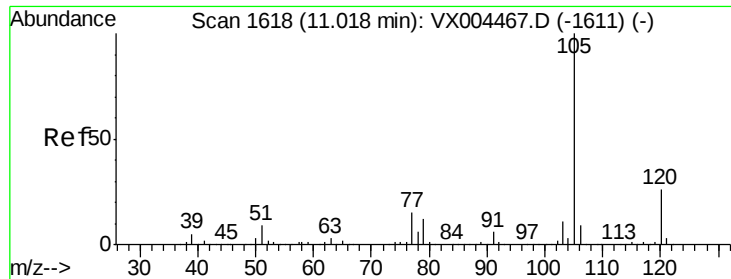
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.67 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004623.D

Acq: 17 Sep 2018 17:18

Instrument :

MSVOA_X

ClientSampleId :

VX0917WBS01

Tot Ion: 105 Resp: 260682

Ion Ratio Lower Upper

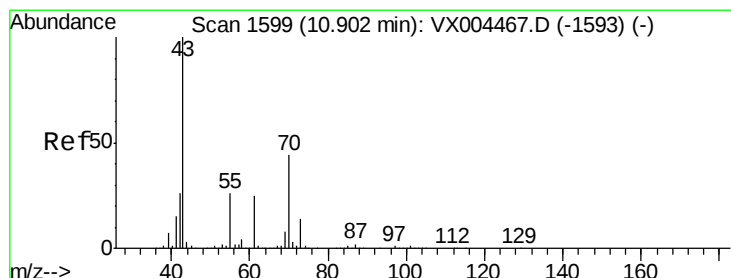
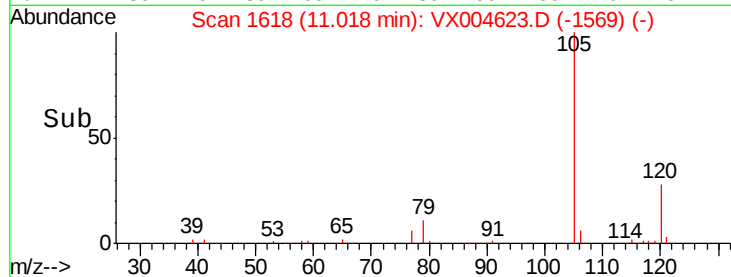
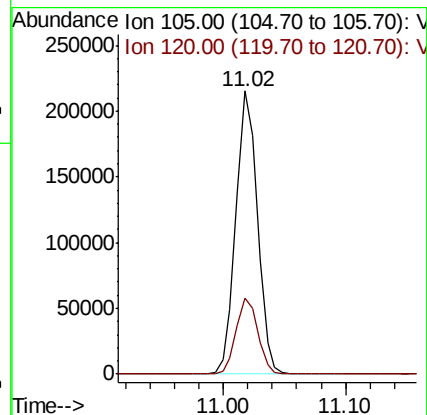
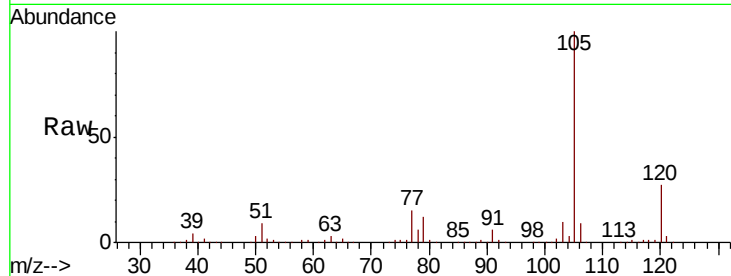
105 100

120 27.0 13.5 40.4

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#74

N-ethyl acetate

Concen: 18.41 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VX004623.D

Acq: 17 Sep 2018 17:18

Tgt Ion: 43 Resp: 97725

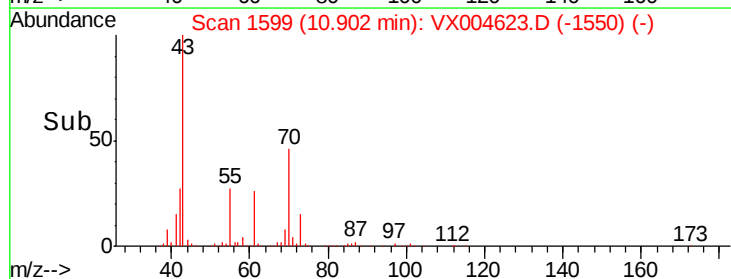
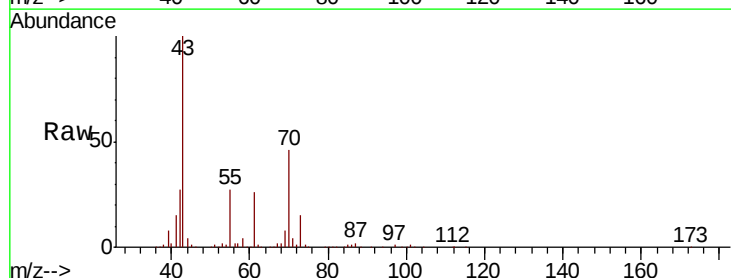
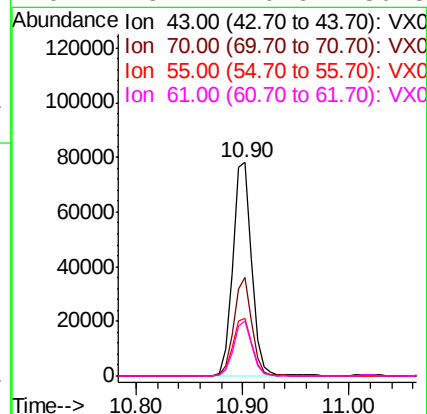
Ion Ratio Lower Upper

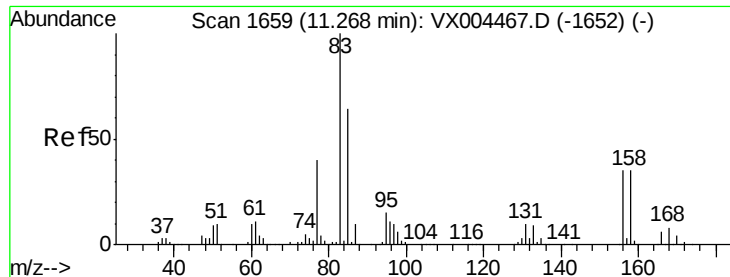
43 100

70 43.9 37.4 56.0

55 27.3 21.8 32.8

61 25.1 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 18.95 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004623.D

Acq: 17 Sep 2018 17:18

Instrument :

MSVOA_X

ClientSampleId :

VX0917WBS01

Tot Ion: 83 Resp: 77083

Ion Ratio Lower Upper

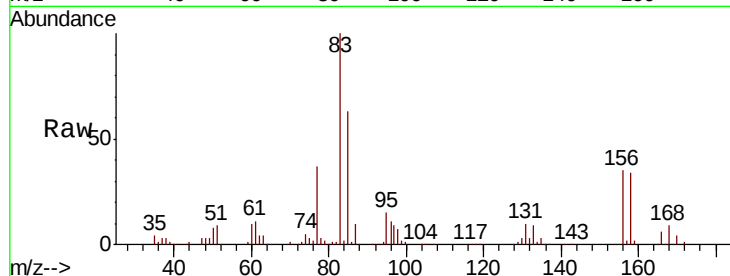
83 100

131 10.4 5.2 15.6

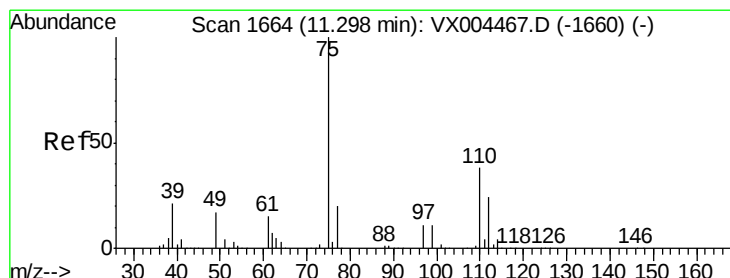
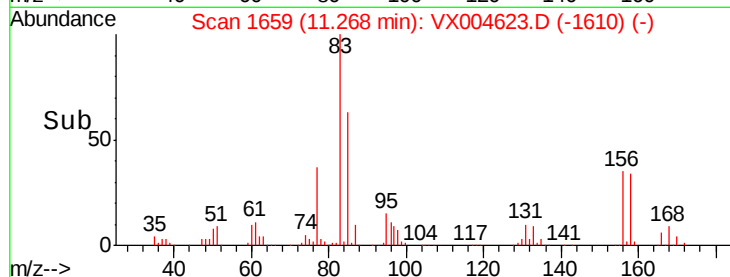
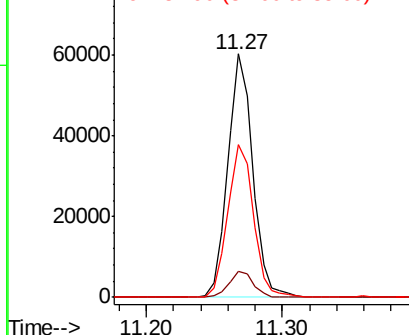
85 64.7 32.3 96.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 19.13 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX004623.D

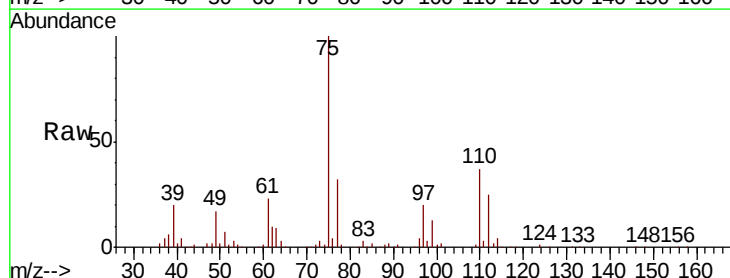
Acq: 17 Sep 2018 17:18

Tgt Ion: 75 Resp: 73711

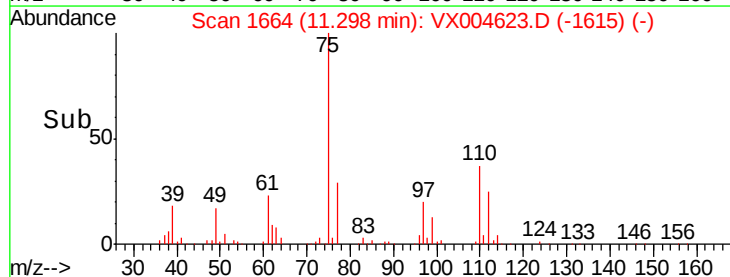
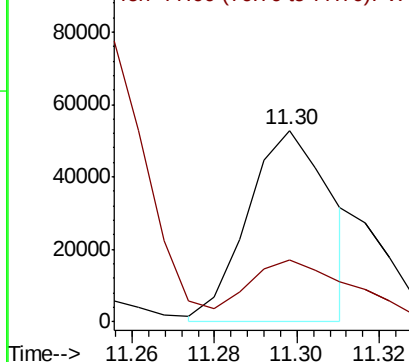
Ion Ratio Lower Upper

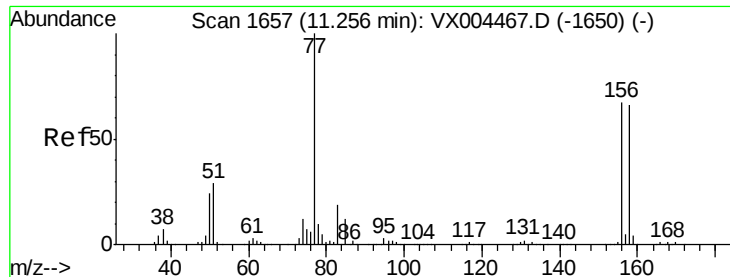
75 100

77 40.9 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.92 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004623.D

Acq: 17 Sep 2018 17:18

Instrument :

MSVOA_X

ClientSampleId :

VX0917WBS01

Tot Ion:156 Resp: 69433

Ion Ratio Lower Upper

156 100

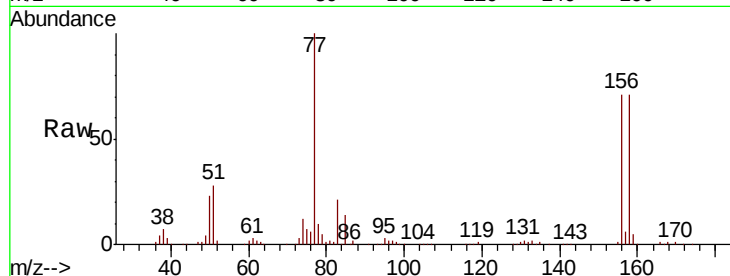
77 142.8 71.5 214.3

158 97.3 48.9 146.8

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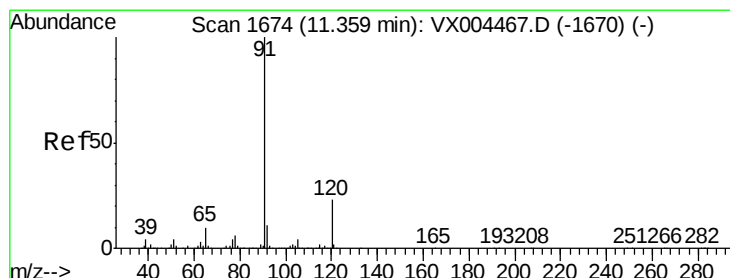
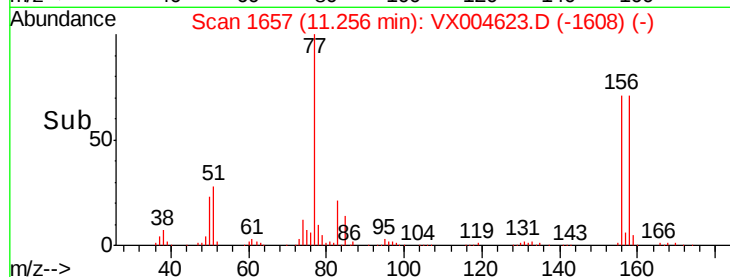
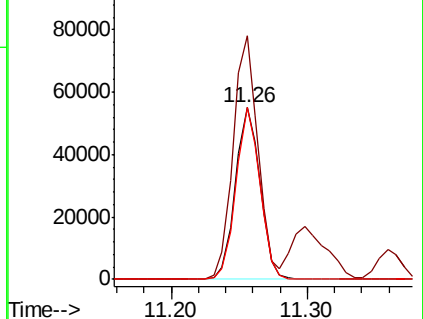
9/18/2018 4:03:05 PM



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: 20.69 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004623.D

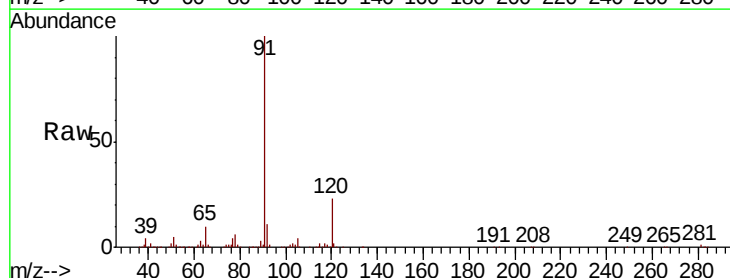
Acq: 17 Sep 2018 17:18

Tgt Ion: 91 Resp: 300035

Ion Ratio Lower Upper

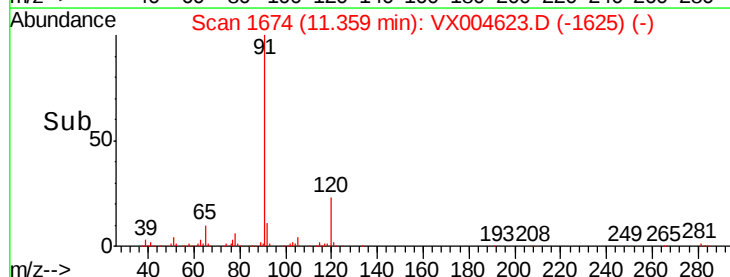
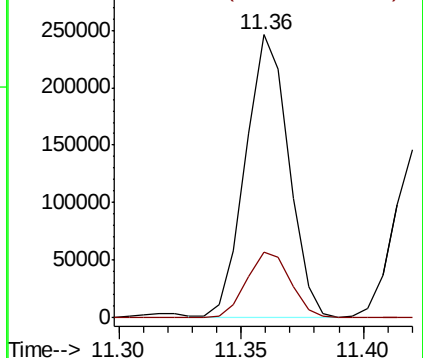
91 100

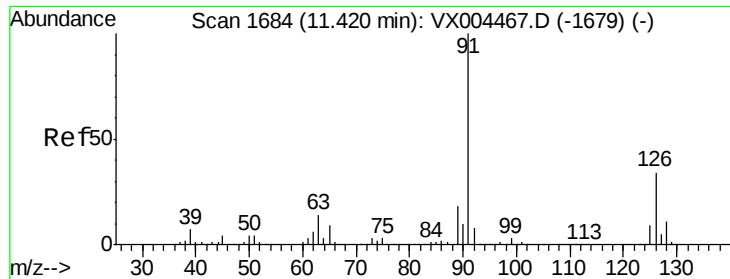
120 23.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.23 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004623.D

Acq: 17 Sep 2018 17:18

Instrument :

MSVOA_X

ClientSampleId :

VX0917WBS01

Tot Ion: 91 Resp: 177910

Ion Ratio Lower Upper

91 100

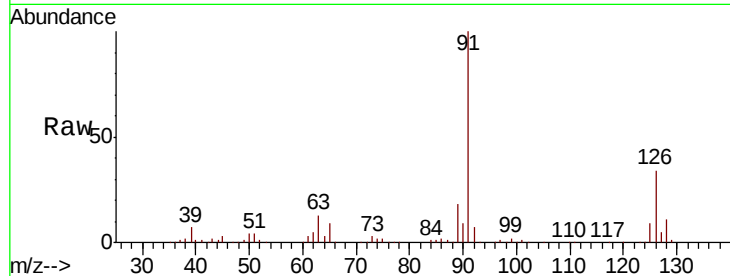
126 35.8 17.9 53.7

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Abundance Ion 91.00 (90.70 to 91.70): VX004467.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX004467.D (-1679) (-)

250000

200000

150000

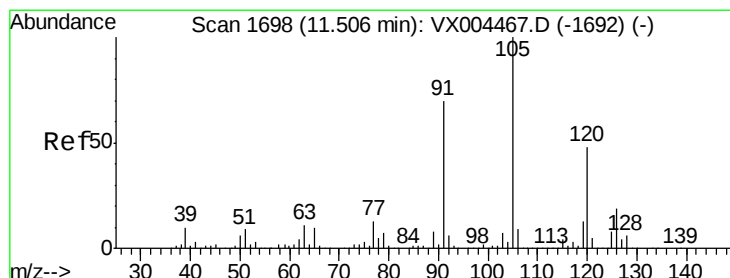
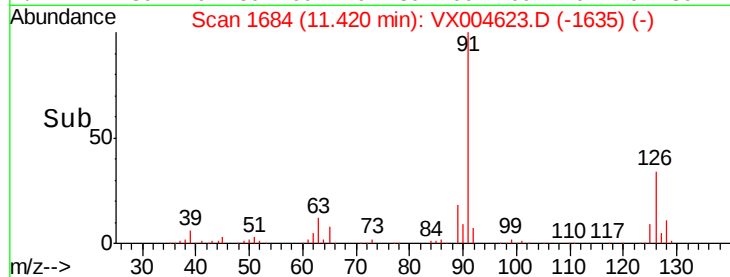
100000

50000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.79 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX004623.D

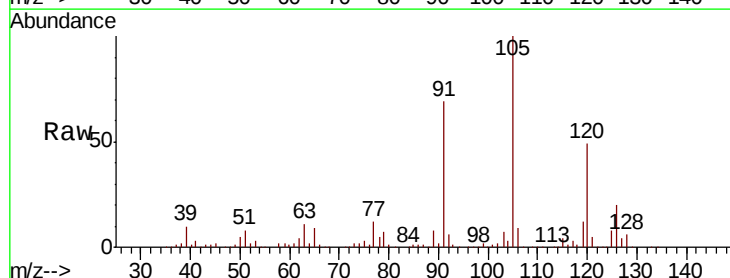
Acq: 17 Sep 2018 17:18

Tgt Ion:105 Resp: 220420

Ion Ratio Lower Upper

105 100

120 49.6 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX004467.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX004467.D (-1692) (-)

200000

150000

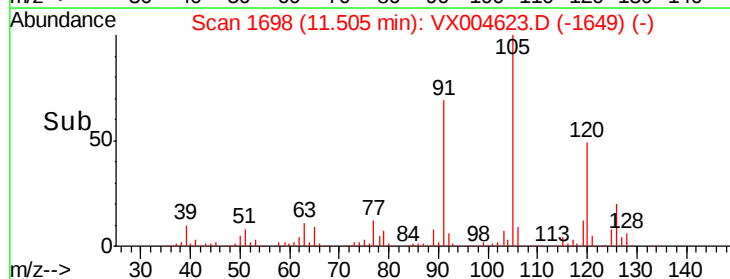
100000

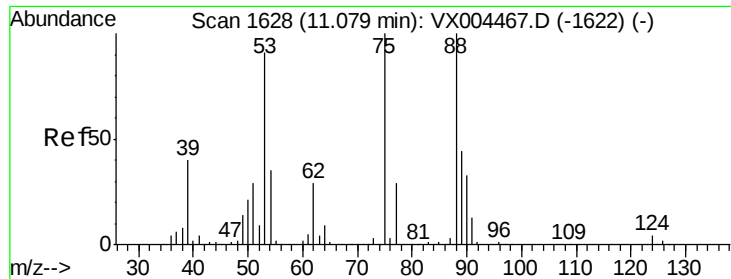
50000

0

11.40 11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.46 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX004623.D

Acq: 17 Sep 2018 17:18

Instrument :

MSVOA_X

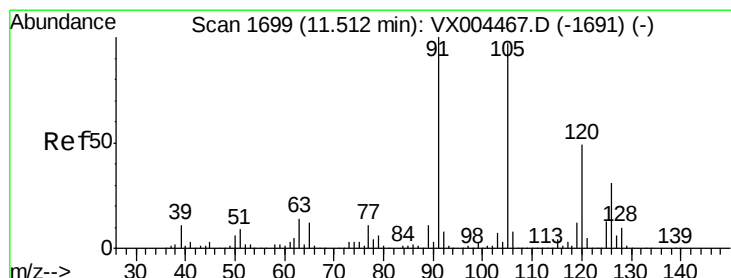
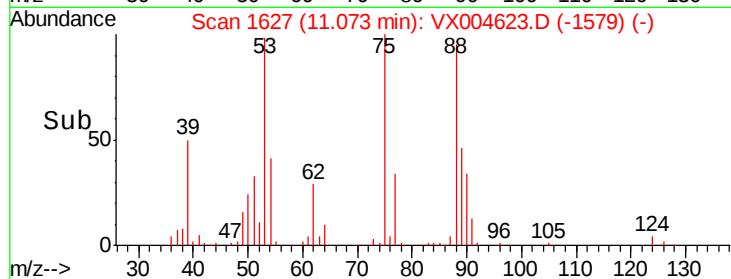
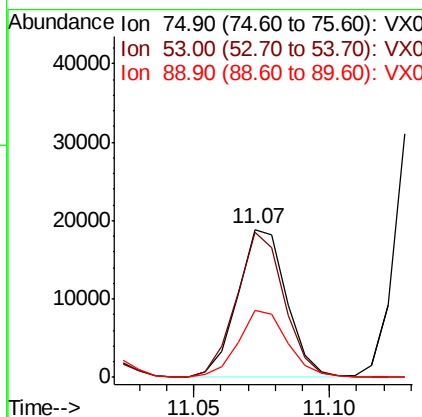
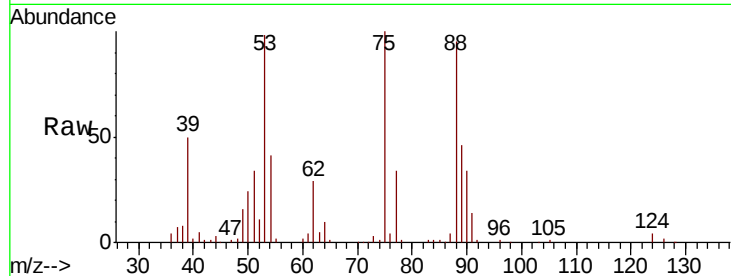
ClientSampleId :

VX0917WBS01

Tot Ion:	75	Resp:	23519
Ion Ratio	Lower	Upper	
75	100		
53	95.5	80.1	120.1
89	46.3	37.2	55.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.13 ug/l

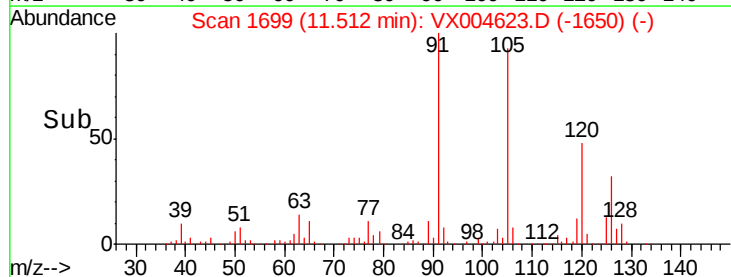
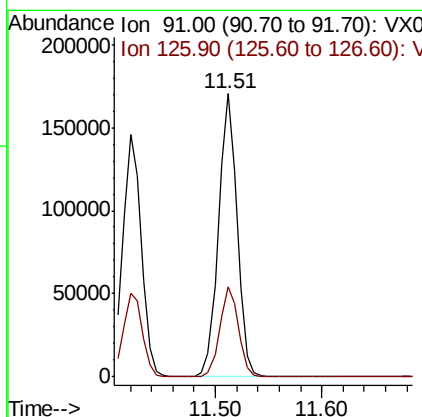
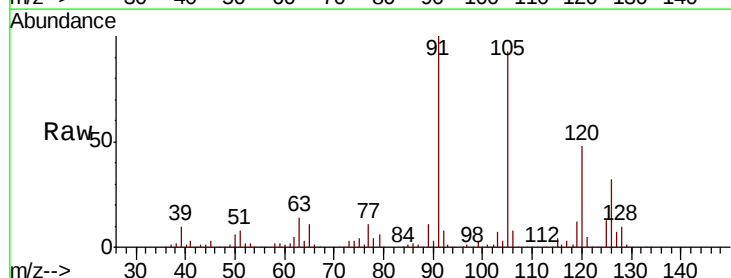
RT: 11.51 min Scan# 1699

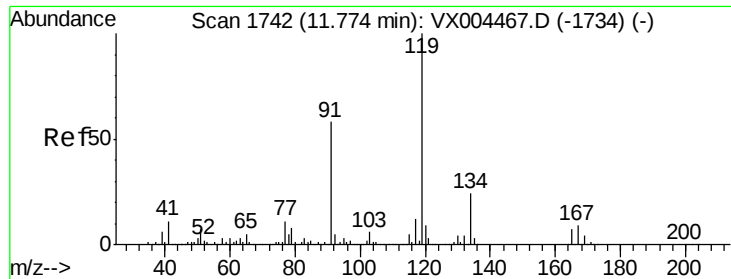
Delta R.T. -0.00 min

Lab File: VX004623.D

Acq: 17 Sep 2018 17:18

Tgt Ion:	91	Resp:	206581
Ion Ratio	Lower	Upper	
91	100		
126	32.1	15.5	46.5





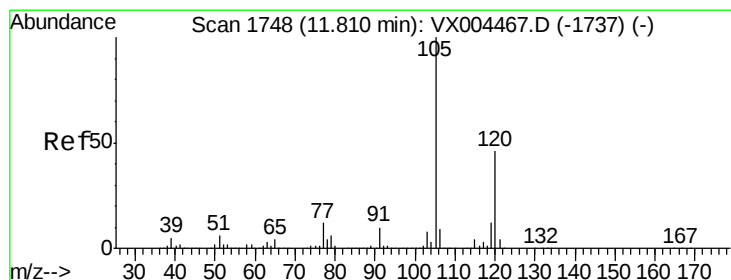
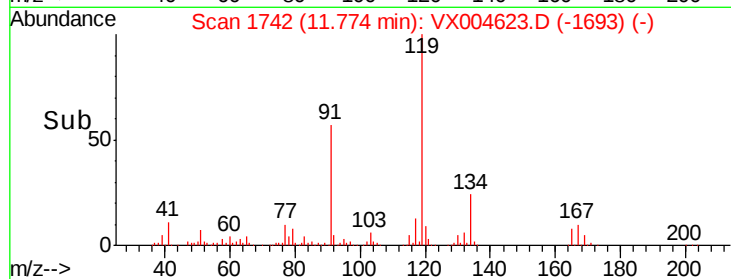
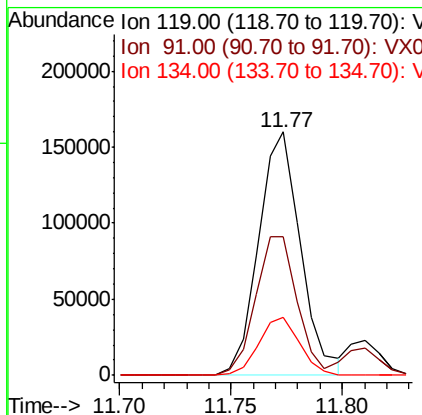
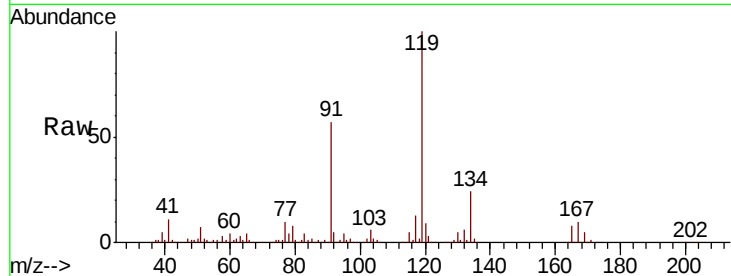
#83
 tert-Butylbenzene
 Concen: 20.81 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX004623.D
 Acq: 17 Sep 2018 17:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0917WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	210067		
91	56.6		27.0	81.0
134	23.4		11.7	35.1

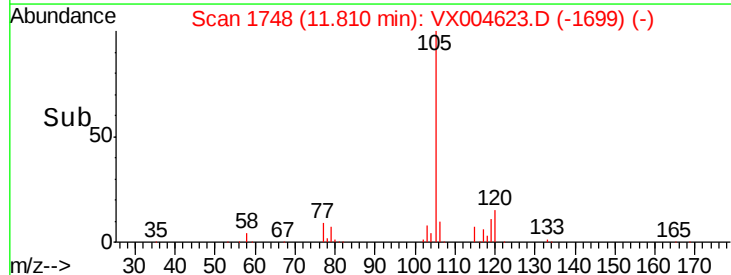
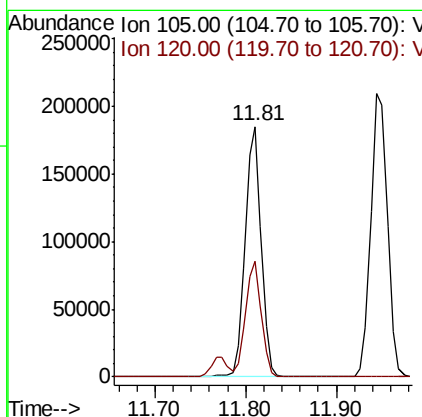
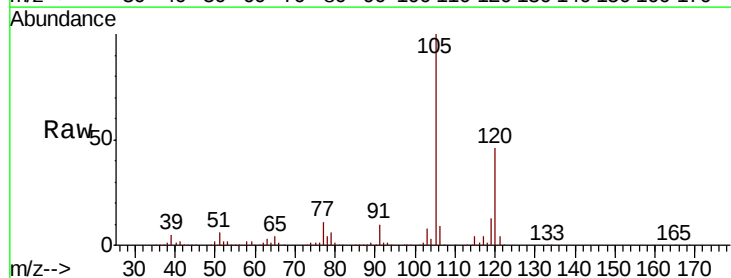
Manual Integrations
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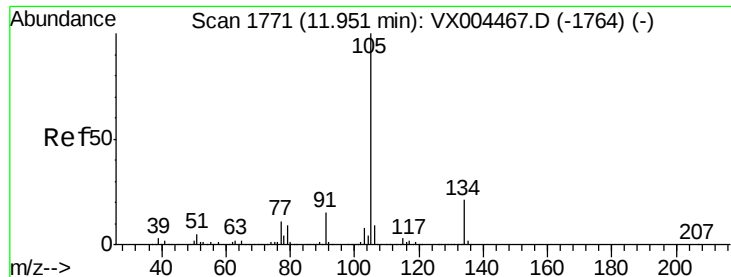
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.91 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX004623.D
 Acq: 17 Sep 2018 17:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	226346		
120	45.5		23.2	69.6





#85

sec-Butylbenzene

Concen: 20.74 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004623.D

Acq: 17 Sep 2018 17:18

Instrument :

MSVOA_X

ClientSampleId :

VX0917WBS01

Tot Ion:105 Resp: 266673

Ion Ratio Lower Upper

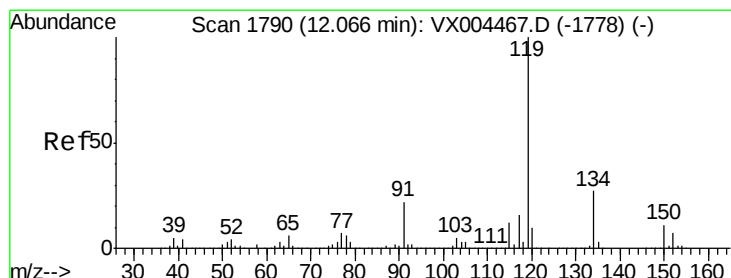
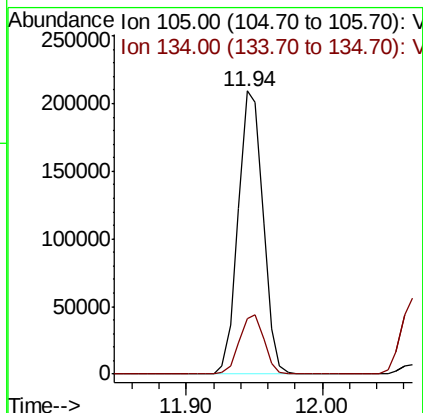
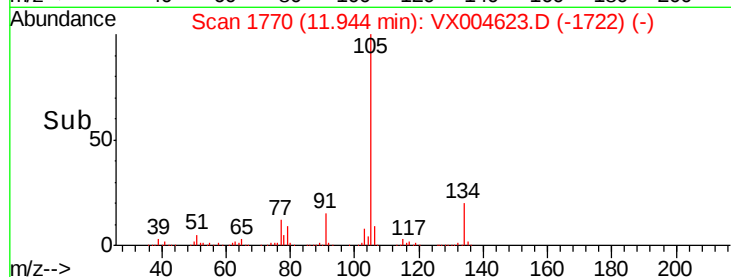
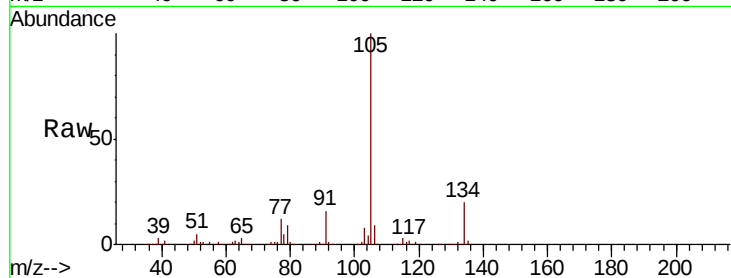
105 100

134 20.7 10.5 31.5

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 21.25 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004623.D

Acq: 17 Sep 2018 17:18

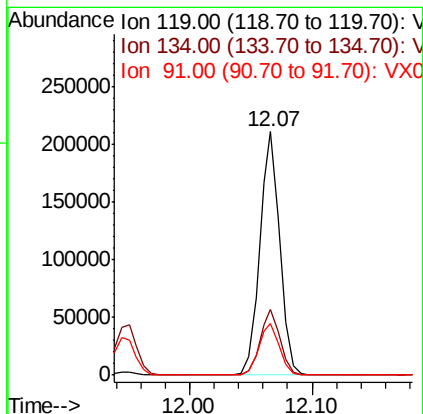
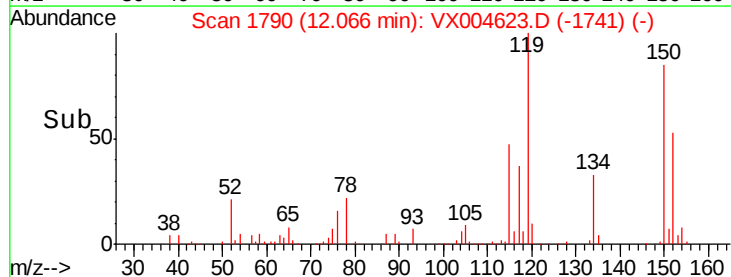
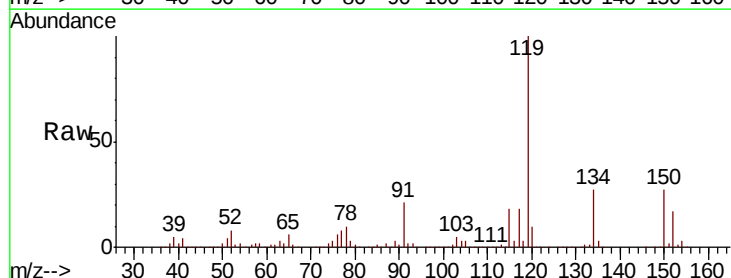
Tgt Ion:119 Resp: 241305

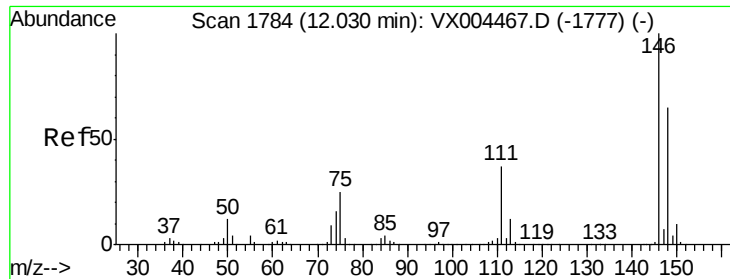
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

91 22.0 10.9 32.7





#87

1,3-Dichlorobenzene

Concen: 20.16 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VX004623.D

Acq: 17 Sep 2018 17:18

Instrument :

MSVOA_X

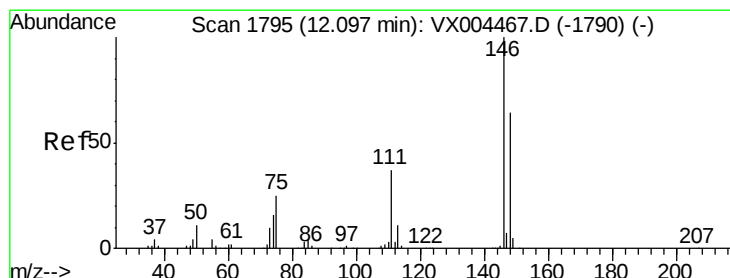
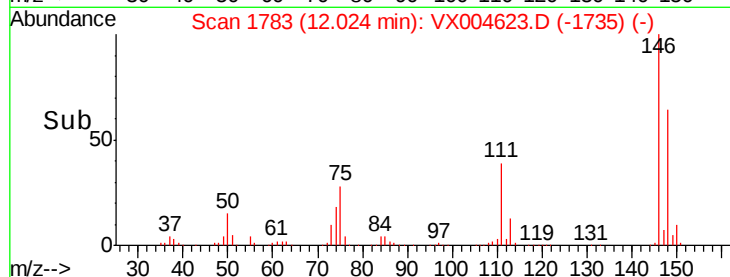
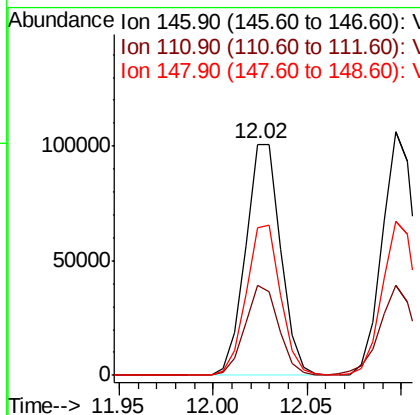
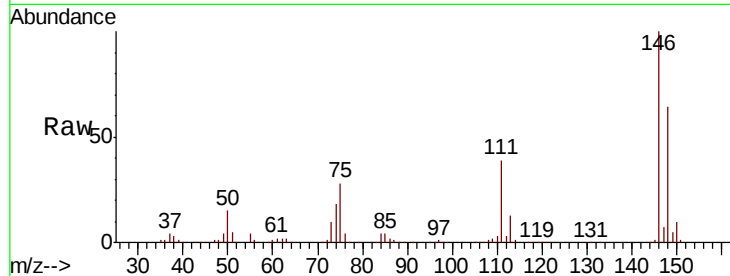
ClientSampled :

VX0917WBS01

Tot Ion:	146	Resp:	131073
Ion Ratio	Lower	Upper	
146	100		
111	37.3	18.7	56.1
148	63.4	32.1	96.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.50 ug/l

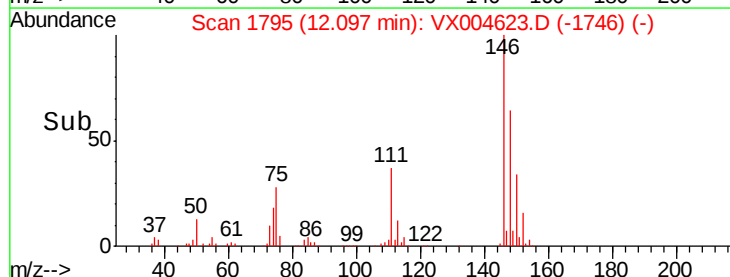
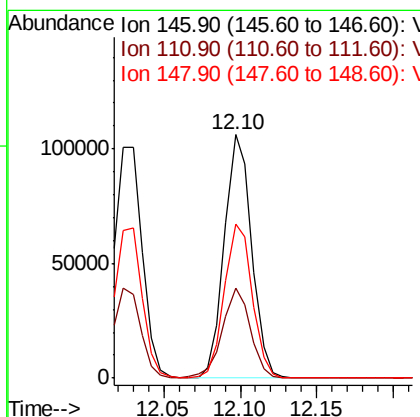
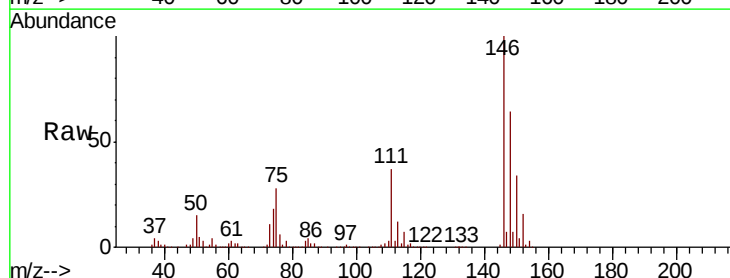
RT: 12.10 min Scan# 1795

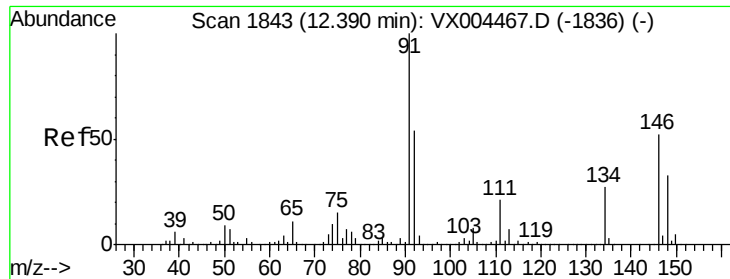
Delta R.T. -0.00 min

Lab File: VX004623.D

Acq: 17 Sep 2018 17:18

Tgt Ion:	146	Resp:	131044
Ion Ratio	Lower	Upper	
146	100		
111	38.2	18.1	54.1
148	65.1	32.0	96.0





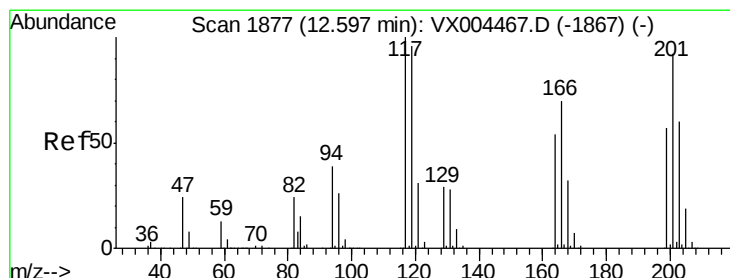
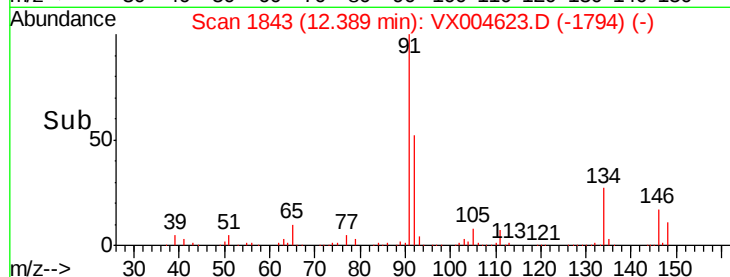
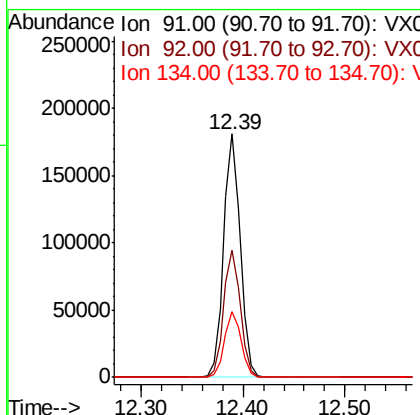
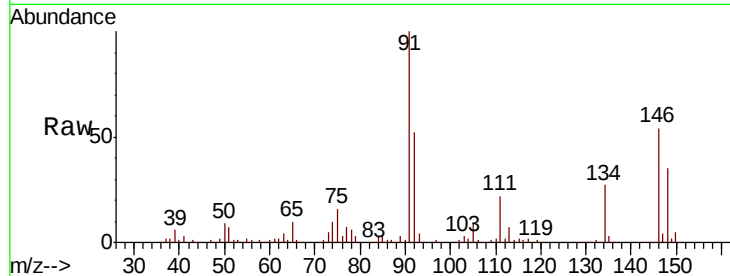
#89
n-Butylbenzene
Concen: 19.92 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004623.D
Acq: 17 Sep 2018 17:18

Instrument :
MSVOA_X
ClientSampleId :
VX0917WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	27.3	81.9
134	26.8	13.6	40.7

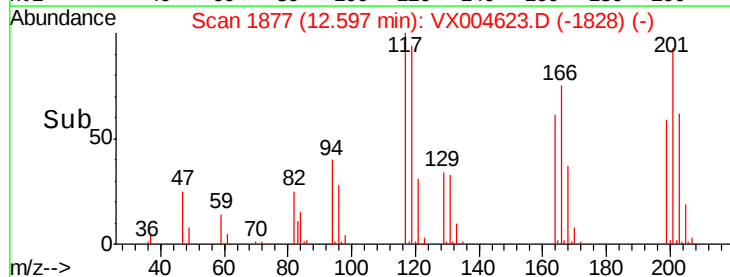
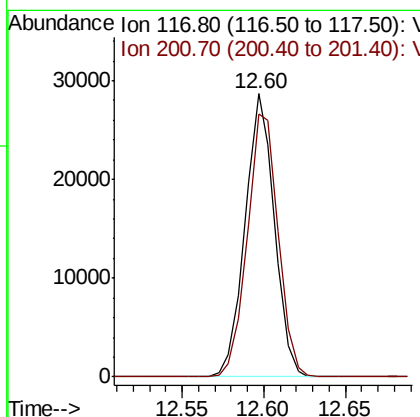
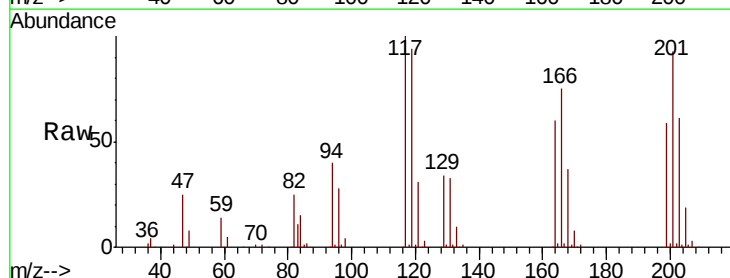
Manual Integrations
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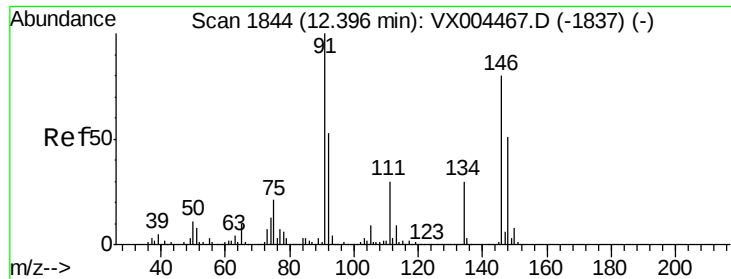
MMDadoda
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#90
Hexachloroethane
Concen: 19.75 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004623.D
Acq: 17 Sep 2018 17:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.9	46.9	140.6





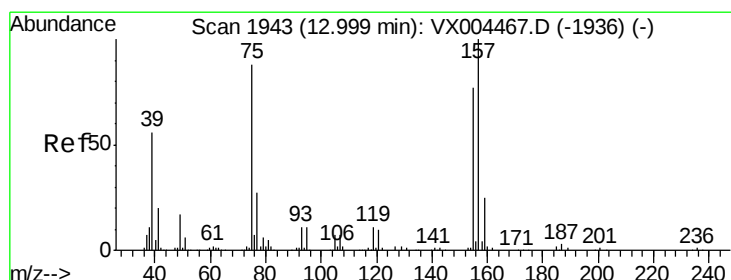
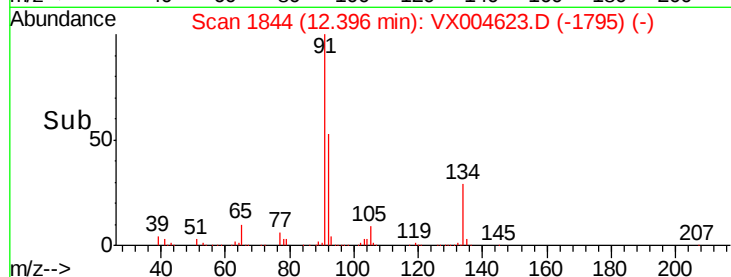
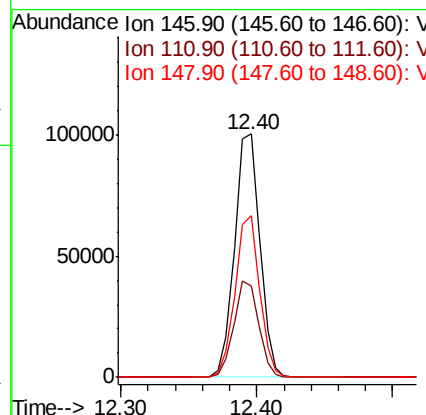
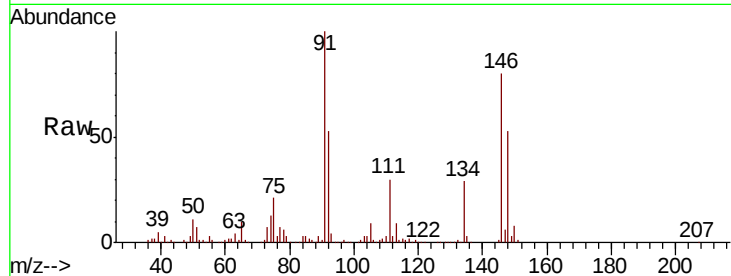
#91
 1,2-Dichlorobenzene
 Concen: 19.83 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. -0.00 min
 Lab File: VX004623.D
 Acq: 17 Sep 2018 17:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0917WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.4	58.1
148	64.4	32.8	98.3

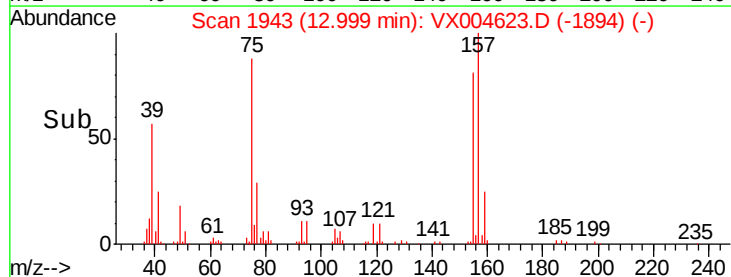
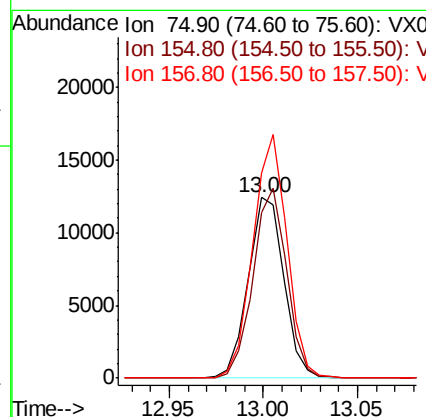
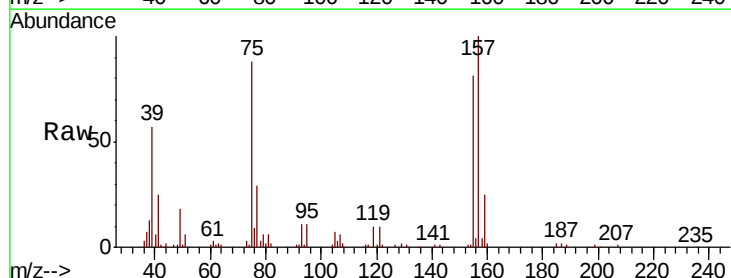
Manual Integrations
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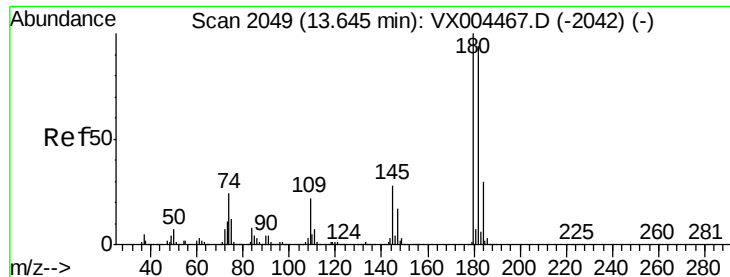
MMDadoda
 9/18/2018 4:03:05 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.71 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX004623.D
 Acq: 17 Sep 2018 17:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.8	48.0	144.2
157	128.8	61.4	184.1





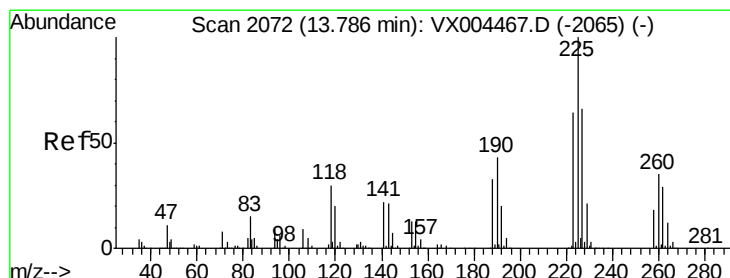
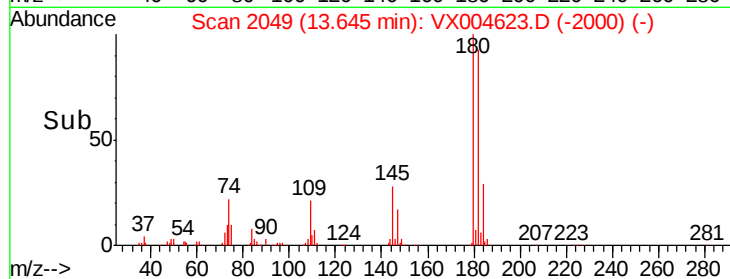
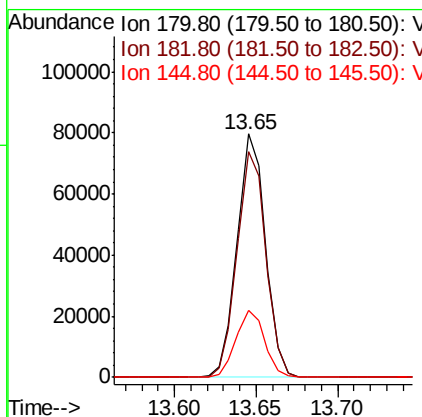
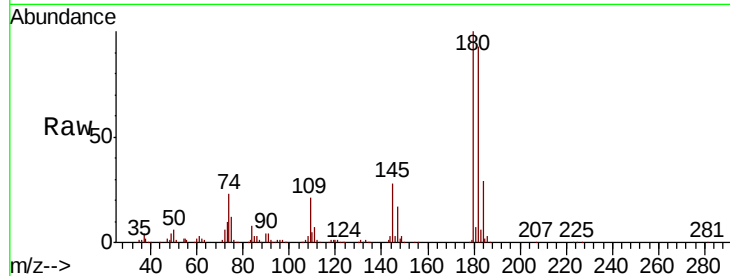
#93
 1,2,4-Trichlorobenzene
 Concen: 20.76 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX004623.D
 Acq: 17 Sep 2018 17:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0917WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	48.4	145.0
145	27.8	14.3	42.9

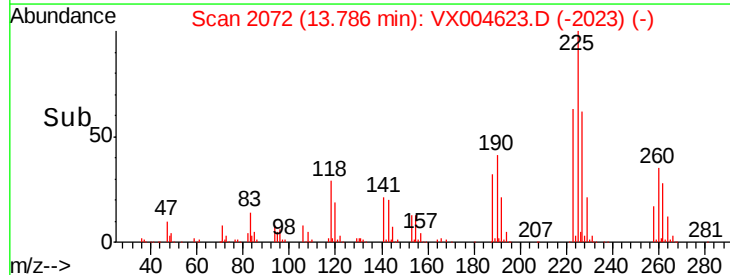
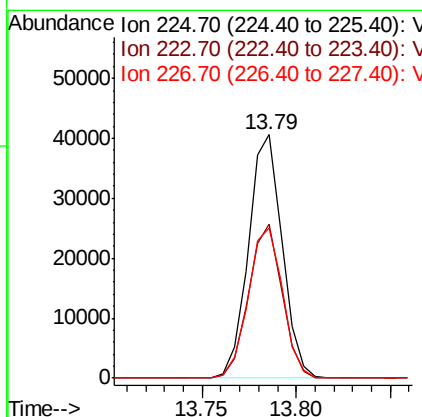
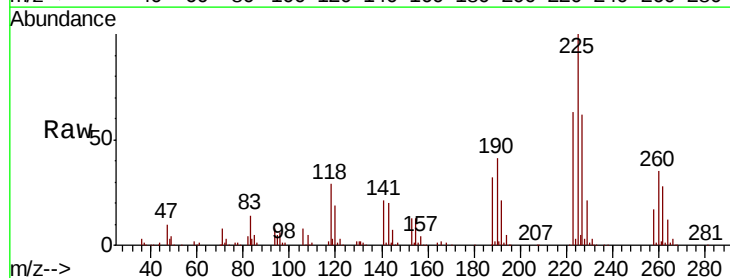
Manual Integrations
 APPROVED

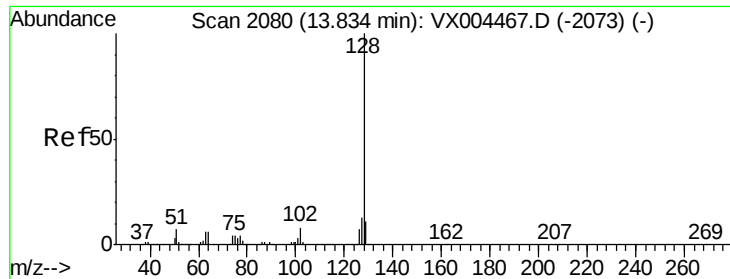
MMDadoda
 9/18/2018 4:03:05 PM



#94
 Hexachlorobutadiene
 Concen: 20.65 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX004623.D
 Acq: 17 Sep 2018 17:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	30.1	90.5
227	63.0	30.8	92.4





#95

Naphthalene

Concen: 20.05 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX004623.D

Acq: 17 Sep 2018 17:18

Instrument :

MSVOA_X

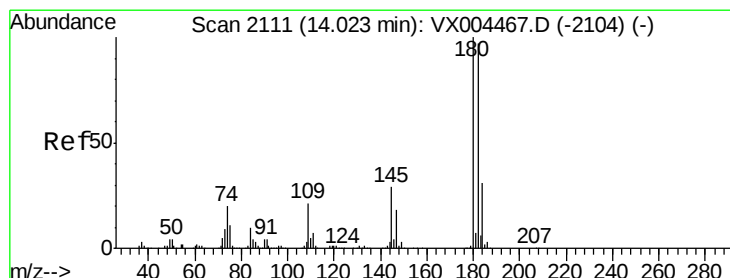
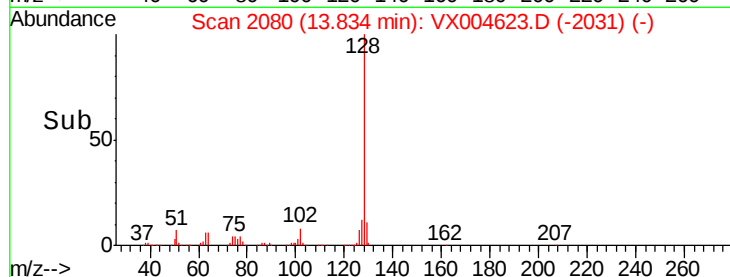
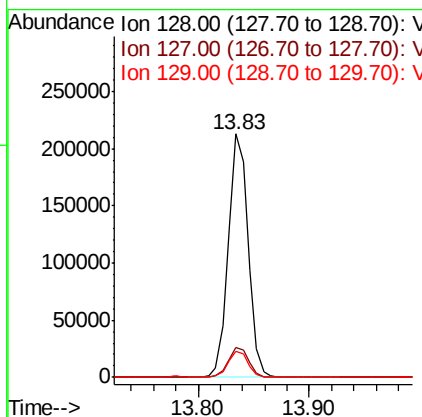
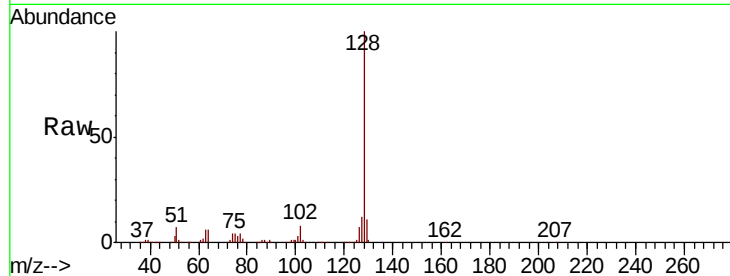
ClientSampleId :

VX0917WBS01

Tot Ion:	128	Resp:	262097
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/18/2018 4:03:05 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.23 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX004623.D

Acq: 17 Sep 2018 17:18

Tgt Ion:	180	Resp:	96878
Ion Ratio	Lower	Upper	
180	100		
182	97.3	48.5	145.6
145	29.9	14.9	44.9

